



CITY COUNCIL REGULAR MEETING AGENDA JUNE 4, 2019

CLOSED SESSION: 6:00P.M. – 7:00 P.M.
OPEN SESSION: 7:00 P.M.

Notice is hereby given that the City Council will hold a Regular Meeting on June 4, 2019, at the City Council Chambers, 1416 C Street, Livingston, California. Persons with disabilities who may need assistance should contact the Deputy City Clerk at least 24 hours prior to this meeting at (209) 394-8041, Ext. 121. Any writings or documents pertaining to an Open Session item provided to a majority of the members of the legislative body less than 72 hours prior to the meeting shall be made available for public inspection at Livingston City Hall, 1416 C Street. The Open Session will begin at 7:00 p.m. the Closed Session will be held in accordance with the state law prior to the Open Session beginning at 6:00 p.m. The Closed Session will be held at the City Council Chambers Located at 1416 C Street. The agenda shall be as follows:

CLOSED SESSION

1. Call to Order
2. Roll Call

CLOSED SESSION

A "Closed" or "Executive" Session of the City Council may be held in accordance with state law which may include, but is not limited to, the following types of items: personnel matters, labor negotiations, security matters, providing instructions to real property negotiators, conference with legal counsel regarding pending litigation. The Closed Session will be held in the City Council Chambers located at 1416 C Street, Livingston, California. Any public comment on Closed Session items will be taken before the Closed Session. Any required announcements or discussion of Closed Session items or actions following the Closed Session will be made in the City Council Chambers, 1416 C Street, Livingston, California.

3. Conference with Real Property Negotiator
(Government Code Section 54956.8)
Real Property:
APN: 024-191-034-000
Negotiating Parties for City: Jose Antonio Ramirez, City Manager
Under Negotiation: Potential Property Sale

4. Conference with Labor Negotiator
(Government Code Section 54957.6)
Labor Negotiator: Jose Antonio Ramirez, City Manager
Employee Organizations: OE3 - Police Supervisory Employees Association.
OE3 - Management/Confidential Bargaining Unit
OE3 - Livingston Police Officer Association
AFSCME – Public Works and Parks Unit
All Represented and Unrepresented City Employees

5. Conference with Legal Counsel – Potential Litigation
(Government Code Section 54956.9(d)(2))
Number of Cases: 2

6. Conference with Legal Counsel – Existing Litigation
(Government Code Section 54956.9(d)(1))
Number of Cases: Livingston 75, L.P. vs. City of Livingston
Merced County Superior Court – Case No. 19CV-00930

REGULAR MEETING

CALL TO ORDER

Next Resolution No.: 2019-28
Next Ordinance No.: 639

Pledge of Allegiance.

Roll Call.

Closed Session Announcements.

Changes to the Agenda.

AWARDS, PRESENTATIONS, PROCLAMATIONS

1. Ceremonial swearing-in of Second Alternate Planning Commissioner Wapinder Kang by City Clerk Antonio Silva.

2. Presentation by Matt Fell, Transportation Planning Manager, Merced County Association of Governments: Measure V Presentation.
(Measure V Open House from 6:30 p.m. to 7:00 p.m. at City Council Chambers)

3. Presentation by Happy Bains, Sr. Accountant, City of Livingston: Presentation of 2019/2020 Proposed Budget.

ANNOUNCEMENTS AND REPORTS

Supervisor Rodrigo Espinoza Announcements and Reports.

City Staff Announcements and Reports.

City Manager Announcements and Reports.

City Council Members' Announcements and Reports.

Mayor's Announcements and Reports.

PUBLIC HEARINGS

4. Public Hearing- First Reading and Introduction of Ordinance Approving the Fourth Amendment to the Development Agreement between the City of Livingston and JEG Livingston Ranches, LLC, Concerning 15.9 Acres Northeast of the Intersection of Robin Avenue and "B" Street, Livingston, CA.
5. Public Hearing – Resolution Approving Site Plan and Design Review 2019-01 for the Conversion of Existing Car Wash into a Restaurant at Brothers Food Mart site at the Southeast Corner of Walnut Avenue and Hammatt Avenue; APN#: 023-070-011.

CITIZEN COMMENTS

This section of the agenda allows members of the public to address the City Council on any item NOT otherwise on the agenda. Members of the public, when recognized by the Mayor, should come forward to the lectern, and identify themselves. Comments are normally limited to three (3) minutes. In accordance with State Open Meeting Laws, no action will be taken by the City Council this evening. For items which are on the agenda this evening members of the public will be provided an opportunity to address the City Council as each item is brought up for discussion.

CONSENT AGENDA

Items on the Consent Calendar are considered routine or non-controversial and will be enacted by one vote, unless separate action is requested by the City Manager or City Council Member. There will be no separate discussion of these items unless members of the City Council or City Manager request that specific items be removed.

6. Initiating Proceedings and Ordering the Preliminary Engineer's Report for the Annual Levy of Assessments for Fiscal Year 2019/2020 for the Citywide Consolidated Landscape Maintenance Assessment District No. 1, Approving the Engineer's Report, Declaring the City's Intention to Levy Annual Assessments for the District, and Appointing a Time and Place for a Public Hearing.
7. Initiating Proceedings and Ordering the Preliminary Engineer's Report for the Annual Levy of Assessment for Fiscal Year 2019/2020 for the Livingston Benefit Assessment District, Approving the Engineer's Report, Declaring the City's Intention to Levy Annual Assessments Within Such Districts and Appointing a Time and Place for a Public Hearing.
8. City Council to Support all Punjabi and other Indian Related Activities at Livingston High School.
9. Approval of Minutes of Meeting Held on April 2, 2019.
10. Approval of Minutes of Meeting Held on May 7, 2019.

11. Approval of Warrant Register Dated May 20, 2019.

12. Approval of Warrant Register Dated May 28, 2019.

DISCUSSION AND POTENTIAL ACTION ITEMS

13. Resolution Authorizing the City Manager to Sign and File an Application to the San Joaquin Valley Air Pollution Control District (SJVAPCD) for the Purchase of a New Alternative Fuel Vehicle.

14. Approve a contract with R.L. Friend Construction, Inc. for rehabilitation improvements for the Walnut Lift Station.

ADJOURNMENT

STAFF REPORT

AGENDA ITEM: **Public Hearing – First Reading and Introduction of Ordinance Approving the Fourth Amendment to the Development Agreement between the City of Livingston and JEG Livingston Ranches, LLC, Concerning 15.9 Acres Northeast of the Intersection of Robin Avenue and “B” Street, Livingston, CA**

MEETING DATE: **June 4, 2019**

PREPARED BY: **Randy Hatch, Contract City Planner**

REVIEWED BY: **Jose Antonio Ramirez, City Manager**

RECOMMENDATION:

Council Introduce the first reading of Ordinance ____, Approving the Fourth Amendment to the Development Agreement between the City of Livingston and JEG Livingston Ranches, LLC, concerning 15.9 acres northeast of the intersection of Robin Avenue and “B” Street, Livingston, CA.

BACKGROUND AND DISCUSSION:

The applicant, Joseph Gallo Farms, has received Planning Commission approval to divide the 15.9-acre property into 9 parcels varying from .96 to 2.0 acres in size and 1 remainder parcel currently and proposed to continue to be used as a drainage basin for the Project and the commercial area to the east. The existing Joseph Gallo Drive is to continue west providing access to the property linking it to Winton Parkway on the east and Robin Avenue on the west. Two new streets are to provide access to the proposed parcels with Del Rio Avenue to the north and Bella Vista Court to the south. Full improvements of streets, curbs and gutters, sidewalks, sewer lines, and drainage are provided to all parcels. The nine parcels vary in size from 2 lots at 0.96 acre in size with one at 2.0 acre being the largest. The balances of the 6 remaining parcels are roughly 1 acre in size. As noted, the remainder parcel is used as a drainage basin and is 2.01 acres in size. The varying sizes allow for varying users which could include a wide variety of commercial activities and uses appropriate to highway locations as envisioned by the zoning designation.

No specific uses are identified at this time. This subdivision creates an inventory of finished lots available for future development. It is desirable for the City to contain a variety of finished lots available for development to be able to take advantage of economic development opportunities. The City Municipal Code requires the future uses to obtain a Site Plan and Design Review approval first from the Planning Commission and then the City Council.

As part of the subdivision map approval Condition of Approval Number 16 stated, “Subdivider shall construct or shall cause the construction of a perimeter CMU-block wall on “B” Street and Robin Avenue along the subdivision street frontages. The proposed block wall shall match existing perimeter walls or meet City standards per the City Engineer and City Planner. The construction of the perimeter wall shall be required for Project or development of individual parcels.” The Third Amendment to the Development Agreement between the City of Livingston and JEG Livingston Ranches LLC was also approved at the time of Tentative Subdivision Map approval. The Third Amendment extended the term of the original

Development Agreement 10 years from the approval date of the Third Amendment. It established the list of development fees the Project is subject to and in what manner those fees may increase over time. It established the reimbursement credit amount due to the developer and clarified when the deed for well 15 would be executed. It established the standards and conditions applicable to the Project and further defined that the Project incorporated conditions of Project approval and environmental mitigations as part of the Project. This last feature incorporated Condition of Approval Number 16 into the Third Amendment to the Development Agreement.

Because of the Condition requiring CMU block wall, this wall (or a bond for the wall) must be constructed and in place before the Tentative Map can be finalized and the lots legally created and available for sale. Gallo requested a modification of this Condition so it would be required at the time the lot is developed. As noted above, the City Code requires the end user of the lot(s) to obtain a Site Plan Design Review approval prior to obtaining a building permit or any other authorization to use the lot in the course of business. Gallo is requesting that during the Site Plan/Design Review approval is the time to require the construction of the CMU block wall and that Condition of Approval Number 16 and the Development Agreement be modified to reflect this.

ENVIRONMENTAL REVIEW:

Modification of a Condition of Approval for an approved Tentative Map and approval of a Fourth Amendment to the Gallo Development Agreement is a "Project" subject to review under the California Environmental Quality Act (CEQA). The original Tentative Map application and the original Third Amendment to the Development Agreement was the subject of an Initial Study prepared by an environmental consultant hired by Gallo. Gallo representatives prepared an Initial Study which reviewed the "Project" per the standards and criteria of CEQA and determined whether the "Project" would result in any significant environmental effects. The applicant prepared these documents and they were reviewed in detail by City staff and, after City editing, they represented the independent analysis and judgment of the City. These documents were circulated to various City departments, other agencies and organizations, and the State Clearinghouse, and made available for public review and comment for 39 days (more than the 30 days listed in the State CEQA Guidelines) starting July 19, 2017, through August 25, 2017. All this was done in compliance with CEQA rules and procedures. A Mitigated Negative Declaration was adopted and approved by the City. The modification of the timing of the construction of the CMU block wall is minor in nature and has no effect on any impacts of the Project or mitigation measures adopted for the Project. All mitigation measures are still being implemented and will occur before any development on the lots takes place. Therefore, this proposed modification is within the scope of the approved Mitigated Negative Declaration. No further environmental review and analysis is needed.

ANALYSIS:

The property is vacant except for the 2-acre drainage basin on the remainder parcel which serves future commercial development in this Phase 2 project and also serves existing development in the adjacent Phase 1 commercial development. The property is properly General Planned and Zoned for continued commercial development. The proposal complies with both the Land Use Element Objective 3.1A providing for a well-balanced mix of commercial uses which create and maintain a high quality environment and a fiscally sound community, and with Commercial Land Use Objective 3.3A ensuring for the provision of adequate commercial shopping opportunities and office space locations to meet anticipated needs. The proposal is consistent with Commercial Land Use Policy 1d as it pertains to Highway Commercial uses which, due to space requirements, the proximity to the highway, or the distinctive nature of their operation, are not compatible with or are not usually located in other commercial designations. The anticipated uses that will locate in the Gallo Project area are expected to require larger lot sizes that are not readily available elsewhere in the commercial areas of the City and may need closer access to Highway

99. Further, the zoning of the area of C-3, Highway Service Commercial, requires new development to obtain a Site Plan/Design Review approval from both the Planning Commission and the City Council to implement Land Use Element 3.1 policies 6 and 12 which require detailed review of new uses to identify and ensure compliance with a variety of issues and standards. The environmental review of this proposal, as discussed above, documents that all potential impacts from this division of property and the eventual commercial development of the lots will have no significant impacts that have not been eliminated or mitigated. The development of these new commercial lots will provide benefits to the City and its residents in terms of additional commercial services available, increased employment opportunities available from the new businesses, and increased tax revenue to the City to maintain and enhance City services.

It should again be noted that the eventual development on these new lots will be subject to review and approval by the City via a Site Plan/Design Review Permit or, if needed, by a Use Permit. The tentative subdivision map provides for all required easements for utilities to serve development on the parcels. The changes to the Project and mitigations referenced above provides for needed right-of-way and turning restrictions to insure safe turning movements and as efficient traffic flow as possible.

FISCAL IMPACT:

A positive impact is expected from the new employment opportunities as a result of new businesses locating on these new lots. Additional taxable sales and property taxes would also occur from these new businesses and the Project would provide needed street improvements in this area, particularly the completion of Joseph Gallo Drive through to Robin Avenue.

PLANNING COMMISSION ACTIONS AND RECOMMENDATION:

The Planning Commission held a Public Hearing on this request to modify Condition of Approval Number 16 and to approve a Fourth Amendment to the Development Agreement on May 14, 2019. The Planning Commission is the approving body (unless appealed) for the modification of Conditions of Approval to the Tentative Subdivision Map and makes recommendation to the City Council on the Fourth Amendment to the Development Agreement. The Planning Commission considered the request including any effect on the environment per CEQA. The applicant representative appeared at the Public Hearing and presented their request and answered questions from the Commission. A few members of the public were present and asked questions about the request. The Commission felt the request was reasonable and minor in nature. The Commission felt that the proposed subdivision and resulting development would be an asset and beneficial to the community. The Commission determined that the modification of Condition of Approval Number 16 and associated Fourth Amendment to the Development Agreement would facilitate this development and insure it would be consistent with the area and provide needed services to the community. This project will construct needed roadway extensions and improvements. These lots will allow for additional commercial development opportunities in the City. The Planning Commission recommends the City Council introduce and finally approve the Ordinance approving the Fourth Amendment to the Development Agreement, based on the Findings contained within the Ordinance itself.

ATTACHMENTS:

1. Ordinance-____, Introducing the Fourth Amendment to the Development Agreement
Exhibit A – Fourth Amendment to Development Agreement
2. Project Location and Zoning Map

ORDINANCE NO. ____

**AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF LIVINGSTON
APPROVING THE FOURTH AMENDMENT TO THE DEVELOPMENT
AGREEMENT BY AND BETWEEN THE CITY OF LIVINGSTON AND
JEG LIVINGSTON RANCHES LLC**

The City Council of the City of Livingston does ordain as follows:

Section 1. Purpose and Declarations

A. In order to strengthen the public planning process, encourage private participation in comprehensive planning and reduce the economic risk of development, the Legislature of the State of California adopted Section 65864, et seq., of the Government Code (the “Development Agreement Statute”), authorizing the City, and any person having a legal or equitable interest in the real property, to enter into a development agreement and establish certain development rights in the property, which is the subject of the development project application. Pursuant to Government Code section 65868, Development Agreements may be amended by mutual assent of the parties.

B. On December 1, 1997, the City and Joseph Gallo (hereinafter “Gallo”), as the developer of real property located within the City of Livingston, entered into a Development Agreement regarding certain real property (the “1997 Development Agreement”). Gallo has developed the subject property (“1997 Property”), pursuant to the 1997 Development Agreement.

C. Developer assumed all rights and responsibilities under the 1997 Development Agreement from Gallo.

D. On April 19, 2005, the 1997 Development Agreement was amended (the “First Amendment”) to add an additional project and specific conditions relating to the fees applicable to the new project.

E. On June 6, 2006, the 1997 Development Agreement was amended a second time (“Second Amendment”) to revise the terms and conditions affecting only the project described in both the First and Second Amendment.

F. On June 5, 2018, the 1997 Development Agreement was amended a third time (“Third Amendment”) to remove property within the project that was no longer bound by or subject to the 1997 Development Agreement or its amendments and rescinding the First and Second Amendments to the 1997 Development Agreement. The Third Amendment also added new property within the project description of the 1997 Development Agreement and conditioned the new property to several other requirements.

G. After entering into the Third Amendment, the Developer and the City engaged in discussions regarding the new requirements. The Developer asked the City for some changes to the conditions, clarifying the requirement to construct a perimeter CMU-block wall on “B” Street and Robin Avenue along the subdivision street frontages. The Developer also requested flexibility in deadlines for certain conditions of approval. This Fourth Amendment clarifies the condition and adds additional flexibility.

H. On May 14, 2019, at a duly-noticed public hearing, the City’s Planning Commission considered the Fourth Amendment. Following due consideration, the Planning Commission recommended to the City Council approval of the Fourth Amendment to the Development Agreement.

I. On February 13, 2018, the City Council approved a Mitigated Negative Declaration for the Gallo Commercial Center, Phase 2, Tentative Subdivision Map and Third Amendment to the Development Agreement between the City of Livingston and JEG Livingston Ranches, LLC and determined the Project will not have a significant effect on the environment. The modification of the timing of construction of the CMU block wall is minor in nature and has no effect on any impacts of the Project or mitigation measures adopted for the Project. All mitigation measures are still being implemented and will occur before any development on the lots takes place. Therefore, this proposed modification is within the scope of the approved Mitigated Negative Declaration. No further environmental review and analysis is needed.

J. On _____, 2019, the City Council, as the legislative body for purposes of Development Agreement approval, held a properly noticed public hearing pursuant to Government Code section 65867 regarding the Fourth Amendment and considered all comments received in writing and all testimony received at the public hearing.

Section 2. Findings

The City Council hereby finds as follows based on the recitals above, staff reports and other information contained in the Planning Department files for the Fourth Amendment to the 1997 Development Agreement which are incorporated herein by reference and available for review during normal business hours at the Livingston City Hall, 1416 C Street, Livingston, CA.

1. All the recitals above are true and correct and incorporated herein by reference.
2. The City Council received and considered the Planning Commission recommendation to approve the Fourth Amendment to the Development Agreement, at a duly noticed public hearing.
3. The Fourth Amendment to the Development Agreement is consistent with the goals, objectives, and policies of the City's General Plan.
4. The Fourth Amendment to the Development Agreement is compatible with the uses authorized in, and the regulations prescribed for, the land use district in which the real property is located.
5. The Fourth Amendment to the Development Agreement will not be detrimental to the public health, safety, or welfare of the community.
6. The Fourth Amendment to the Development Agreement will promote the public convenience, general welfare, and good land use practices, and is in the best interest of the community.
7. The Fourth Amendment to the Development Agreement will not adversely affect the orderly development of property or the preservation of property values.
8. The Fourth Amendment to the Development Agreement will promote and encourage the development of the land by providing a greater degree of requisite certainty.
9. The environmental impacts of the Fourth Amendment to the 1997 Development Agreement and its enacting ordinance were fully evaluated by staff. On February 13, 2018, the City Council approved a Mitigated Negative Declaration for the Gallo Commercial Center, Phase 2, Tentative Subdivision Map and Third Amendment to the Development Agreement between the City of Livingston and JEG Livingston Ranches, LLC and determined the Project will not have a significant effect on the

environment. The modification of the timing of construction of the CMU block wall is minor in nature and has no effect on any impacts of the Project or mitigation measures adopted for the Project. All mitigation measures are still being implemented and will occur before any development on the lots takes place. Therefore, this proposed modification is within the scope of the approved Mitigated Negative Declaration. No further environmental review and analysis is needed.

Section 3. Approval

Based on the recitals and findings above and considering the entire record of proceedings, the City Council hereby approves the Fourth Amendment to the Development Agreement, attached to this Ordinance and incorporated herein by reference as Exhibit A, and authorizes the City Manager to sign the Development Agreement Amendment after the effective date of this Ordinance.

Section 4. Effective Date and Publication. This Ordinance shall be published once within fifteen (15) days after its adoption in a newspaper of general circulation in the City of Livingston. This ordinance shall take effect thirty (30) days after adoption and the title thereof shall be published once prior to adoption.

Section 5. Severability. If any section, subsection, subdivision, paragraph, sentence, clause or phrase of the Ordinance is for any reason held to be unconstitutional, invalid, or ineffective by any court of competent jurisdiction, such decision shall not affect the validity or effectiveness of the remaining portions of this Ordinance or any part hereof. The City Council hereby declares that it would have passed each section of the Ordinance irrespective of the fact that one or more of them would be declared unconstitutional or invalid. To this end, the provisions of the Ordinance are declared to be severable.

Introduced: June 4, 2019
Passed and Adopted: _____, 2019

GURPAL SAMRA, Mayor
of the City of Livingston

ATTEST:

State of California)
County of Merced)
City of Livingston)

I hereby certify that the foregoing Ordinance was duly introduced at a Regular Meeting of the City Council of the City of Livingston on the 4th day of June, 2019 and was passed and adopted at a Regular Meeting of the City Council of the City of Livingston this ____ day of _____, 2019, by the following vote:

AYES:
NOES:
ABSENT:

ANTONIO SILVA, City Clerk
of the City of Livingston

1396.2001 3214781.4

EXHIBIT “A”

OFFICIAL BUSINESS
Document entitled to free recording
Government Code Section 6103

RECORDING REQUESTED BY AND
WHEN RECORDED, MAIL TO:

City of Livingston
1416 C Street
Livingston, CA 95334
Attn: City Clerk

(SPACE ABOVE THIS LINE RESERVED FOR RECORDER'S USE)

**FOURTH AMENDMENT TO DEVELOPMENT AGREEMENT
BETWEEN THE CITY OF LIVINGSTON AND
JEG LIVINGSTON RANCHES, LLC**

This Fourth Amendment to the Development Agreement (this "**Fourth Amendment**"), is made and entered into on the ____ day of _____, 2019, by and between the City of Livingston, a California municipal corporation ("**City**"), and JEG Livingston Ranches, LLC, a California limited liability company ("**Developer**"). City and Developer are hereinafter collectively referred to as the "**Parties**," and singularly as a "**Party**."

RECITALS

A. In order to strengthen the public planning process, encourage private participation in comprehensive planning and reduce the economic risk of development, the Legislature of the State of California adopted Section 65864, et seq., of the Government Code (the "**Development Agreement Statute**"), authorizing a city, and any person having a legal or equitable interest in real property, to enter into a Development Agreement and establish certain development rights in the property, which is the subject of the development project application. Pursuant to Government Code section 65868, Development Agreements may be amended by mutual assent of the parties.

B. On December 1, 1997, the City and Joseph Gallo (hereinafter "**Gallo**"), as the developer of real property located within the City of Livingston, entered into a Development Agreement regarding certain real property (the "**1997 Development Agreement**"). Gallo has developed the subject property ("**1997 Property**"), pursuant to the 1997 Development Agreement.

C. Developer assumed all rights and responsibilities under the 1997 Development Agreement from Gallo.

D. On April 19, 2005, the 1997 Development Agreement was amended (the "**First Amendment**") to add an additional project and specific conditions relating to the fees applicable to the new project.

E. On June 6, 2006, the 1997 Development Agreement was amended a second time (“**Second Amendment**”) to revise the terms and conditions affecting only the project described in both the First and Second Amendment.

F. On June 5, 2018, the 1997 Development Agreement was amended a third time (“**Third Amendment**”) to remove property within the project that was no longer bound by or subject to the 1997 Development Agreement or its amendments and rescinding the First and Second Amendments to the 1997 Development Agreement. The Third Amendment also added new property within the project description of the 1997 Development Agreement and conditioned the new property to several other requirements.

G. After entering into the Third Amendment, the Developer and the City engaged in discussions regarding the new requirements. The Developer asked the City for some changes to the conditions, clarifying the requirement to construct a perimeter CMU-block wall on “B” Street and Robin Avenue along the subdivision street frontages. The Developer also requested flexibility in deadlines for certain conditions of approval. This Fourth Amendment clarifies the condition and adds additional flexibility.

H. On May 14, 2019, at a duly-noticed public hearing, the City’s Planning Commission considered the Fourth Amendment. Following due consideration, the Planning Commission recommended to the City Council approval of the Fourth Amendment to the Development Agreement.

I. On February 13, 2018, the City Council approved a Mitigated Negative Declaration for the Gallo Commercial Center, Phase2, Tentative Subdivision Map and Third Amendment to the Development Agreement between the City of Livingston and JEG Livingston Ranches, LLC and determined the Project will not have a significant effect on the environment. The modification of the timing of construction of the CMU block wall is minor in nature and has no effect on any impacts of the Project or mitigation measures adopted for the Project. All mitigation measures are still being implemented and will occur before any development on the lots takes place. Therefore, this proposed modification is within the scope of the approved Mitigated Negative Declaration. No further environmental review and analysis is needed

J. On _____, 2019, the City Council, as the legislative body for purposes of Development Agreement approval, held a properly noticed public hearing pursuant to Government Code section 65867 regarding the Fourth Amendment and its environmental document and considered all comments received in writing and all testimony received at the public hearing.

AGREEMENT

1. **Incorporation of Recitals.** Recitals A through J are hereby incorporated herein, including the documents referenced in the Recitals.

2. **Amendments to the Standards and Conditions Imposed by the Third Amendment.** Section VIII (E), titled “2017 STANDARDS AND CONDITIONS,” of the 1997 Development Agreement, which was added by the Third Amendment Section VIII (E) (16) is amended to clarify that the obligation to construct a perimeter CMU-block on “B” Street and Robin Avenue along the subdivision street frontages is the responsibility of the ultimate builder of the parcels located on “B” Street and Robin Avenue along the subdivision street frontages. Section VIII (E) (16) is amended to read as follows:

“(16) The ultimate builder(s) of the parcels located on “B” Street and Robin Avenue shall construct a perimeter CMU-block wall on “B” Street and Robin Avenue along the subdivision street frontages. The proposed block wall shall match existing perimeter walls or meet City standards per the City Engineer and City Planner. The construction of the perimeter wall shall be required for project or development of individual parcels and shall be imposed at the Site Plan/Design Review stage.”

3. **Flexibility Regarding Timing for Certain Improvements or Portions of Improvements.** The City Manager shall have the discretion to defer the required improvements, or portions thereof, under the following Sections of the 1997 Development Agreement: Sections VIII (E) (19), (20), (23), (24), and (32). The conditions covered under these Sections are attached hereto as **Exhibit A**. Timing for the improvements under these Sections will be at the discretion of the City Manager. All other standards and conditions under Section VIII (E) shall remain in full force and effect as required under the Third Amendment.

4. **All Other Terms in Force.** Except as amended by this Fourth Amendment, all terms and conditions of the 1997 Development Agreement and the Third Amendment remain in full force and effect.

5. **Recording.** Within ten (10) days after the Effective Date, City shall record this Fourth Amendment with the Merced County Recorder’s Office.

6. **Counterparts.** The Parties may execute this Fourth Amendment in counterparts, each of which will be considered an original, but all of which will constitute the same instrument.

7. **Entire Agreement.** The 1997 Development Agreement, the Third Amendment, and this Fourth Amendment set forth the Parties’ entire understanding regarding the matters set forth above. It supersedes all prior or contemporaneous agreements, representations, and negotiations regarding those matters (whether written, oral, express, or implied) and may be modified only by another written agreement signed by all Parties. This Fourth Amendment will control if any conflict arises between it, the 1997 Development Agreement, and the Third Amendment.

IN WITNESS WHEREOF, the City of Livingston, a municipal corporation, has authorized the execution of this Fourth Amendment in duplicate by its City Manager and attested to by its City Clerk under the authority of Ordinance No. _____, adopted by the Council of the City on the ____ day of _____, 2019, and Developer has caused this Fourth Amendment to be executed.

“CITY”

“DEVELOPER”

CITY OF LIVINGSTON,
a municipal corporation

JEG LIVINGSTON RANCHES, LLC,
a California limited liability company

By: _____

By: _____

Name: Jose A. Ramirez

Name: _____

Its: City Manager

Its: _____

ATTEST:

Antonio Silva, City Clerk

APPROVED AS TO FORM:

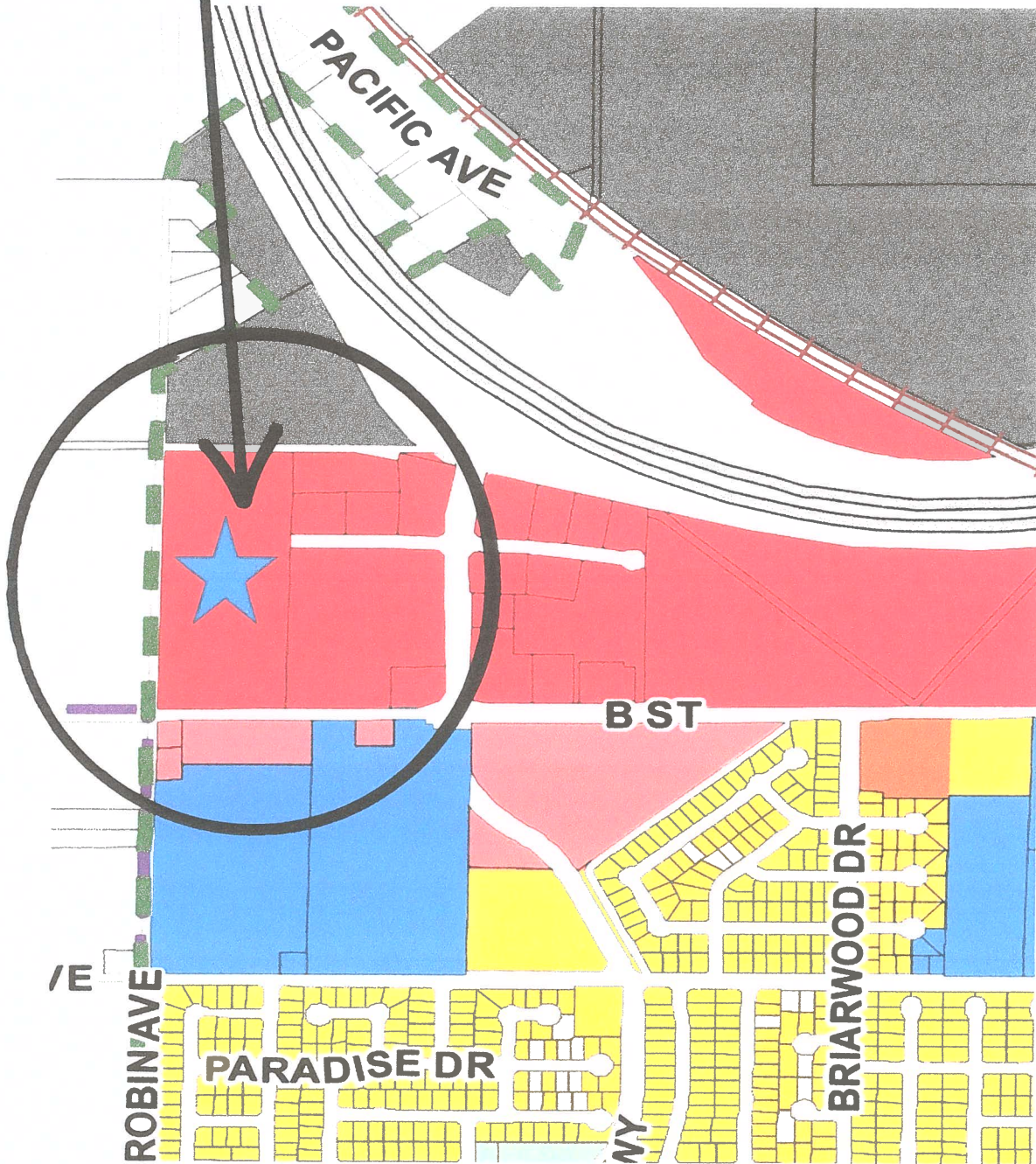
Jose M. Sanchez, City Attorney

Exhibit A: Standards and Conditions

3214616.6

**MODIFICATION OF CONDITION OF APPROVAL NUMBER 16 OF THE APPROVED
GALLO TENTATIVE SUBDIVISION MAP 2017-01**

Zoning: C-3, Highway Service Commercial



STAFF REPORT

AGENDA ITEM: Public Hearing – Resolution Approving Site Plan and Design Review 2019-01 for the Conversion of Existing Car Wash into a Restaurant at Brothers Food Mart site at the Southeast Corner of Walnut Avenue and Hammatt Avenue; APN#: 023-070-011

MEETING DATE: June 4, 2019

PREPARED BY: Randy Hatch, Contract City Planner

REVIEWED BY: Jose Antonio Ramirez, City Manager

RECOMMENDATION:

Council adopt a Resolution approving Site Plan and Design Review 2019-01 for conversion of the existing car wash into a restaurant at Brothers Food Mart site at the southeast corner of Walnut Avenue and Hammatt Avenue (APN #: 023-070-011).

BACKGROUND AND DISCUSSION:

Owner and applicant, Nukul K. Bassi, is proposing to convert an existing car wash into a restaurant and add new landscaping adjacent to the new restaurant. The proposed restaurant will be called Los Gordos Mexican Restaurant. The existing 1,250 sq. ft. car wash building will have the drive through car wash area converted into a kitchen and the dining area. The dining area is approximately 308 sq. ft. in size. The kitchen will be approximately 322 sq. ft. with an adjacent roughly 172 sq. ft. utility / prep area. Two existing restrooms will remain as well as an interior storage area. The entrance will be on the west side of the building via a glass storefront door with side windows. On the east side will be a utility door providing access to the utility / kitchen. Also on the east side is a walk-up window for pass thru service for takeout orders. The dumpster is located about 24 feet east of the takeout window. The building itself is a single store flat roof structure approximately 13 ft. high with a 2-foot wide parapet feature, all finished in stucco. The elevation submitted as part of the application shows space for signage on the east, north, and west elevations.

The existing site is developed with the gas station and food mart with paving and 16 parking spaces. The existing gas station and food mart requires 8 parking spaces. The proposed restaurant with a 308 square foot dining / customer area requires 6 parking spaces (1 per 50 sq. ft.). This calculates to a total of 14 parking spaces needed for all the uses on the property; 16 parking spaces are provided exceeding Code requirements.

Access to the new restaurant will be provided via the adjacent streets, Hammatt and Walnut Avenues through the existing curb cuts / driveways. The new restaurant will connect to existing water, wastewater, storm drain, electrical, gas and communication utilities that are located onsite.

A roughly 650 square foot landscape area will be provided on the east side of the restaurant. A preliminary landscape plan is provided and shows heavy planting of rockrose and abelia shrubs with a ground cover. These are drought tolerant landscape materials and are on the City's list of suggested shrubs.

The buildings proposed to be constructed are low slung composed of a stucco finish with parapet style trim band along the roof line. The proposed restaurant will match the existing gas station / food mart in terms of finish materials and colors; therefore, the stucco will be white with the parapet roof band green.

The Planning Commission is the recommending body for a Site Plan and Design Review with the City Council being the approving body. Therefore, this proposal must go before both bodies.

ENVIRONMENTAL REVIEW:

The conversion of the existing car wash building to a restaurant is a “Project” subject to review under the California Environmental Quality Act (CEQA). This Project qualifies for a Categorical Exemption under two provisions; Class 3 – conversion of a small structure with only minor modifications; and Class 32 infill development within the City Limits consistent with the General Plan and Zoning Ordinance, provided by all utilities and City services, no more than 5 acres in size on land with no value as habitat for endangered, rare, or threatened species. The site is within a developed urban location and complies with all of the above listed conditions to qualify for both of these categorical exemptions. Further, this development would be a minor additional use on the property with no significant effects relating to traffic, noise, air, or water quality.

ANALYSIS:

The property is properly General Planned and Zoned for such a use. The requested use, as proposed and conditioned, meets the development standards in the City’s Zoning and Development Codes. The use meets the height, setback, and lot coverage requirements. As noted in the Project description above, the development provides 16 parking spaces exceeding the City’s parking requirements for a gas station with food mart and restaurant.

The preliminary landscape plan submitted shows shrubs and ground cover to be used for this Project. Staff review of the plant materials verifies that the proposed plants are drought tolerant and consistent with the City list of recommended plant materials. Potential sign areas proposed comply with City standards and will be reviewed and approved administratively. Exterior lighting is not addressed leading staff to recommend a condition of approval to require lighting to be shielded and focused on the building and parking areas. The City has a Design Guide applicable to all new development. Staff has compared the proposed new building’s design and colors, as described above, with the Design Guide. The overall design of the new building appears to be consistent with the Design Guide in terms of being compatible in scale with the surrounding area and providing visual interest.

PLANNING COMMISSION ACTIONS AND RECOMMENDATION:

The Planning Commission held a Public Hearing on this request for a Site Plan and Design Review on May 14, 2019. The applicant’s representative appeared at the Hearing and presented their request and answered questions from the Commission. There were a few questions from the public asked and answered. The Commission asked questions and included three additional Conditions of Approval to address outdoor dining, parking signage and outdoor lighting. The Commission felt that the proposed restaurant would be an asset to the east side of the City and would help facilitate the development of the Hammatt interchange / State Route 99 area. The Planning Commission recommended approval to the City Council subject to the proposed attached Conditions of Approval.

FISCAL IMPACT:

The project would increase property and sales taxes to the City and would provide additional employment opportunities. Just as important, this project would help provide restaurant options to this side of the City and would help develop the City's commercial areas adjacent to this freeway interchange.

RECOMMENDATION:

Staff is of the opinion that the proposed new restaurant would be an asset to the area and beneficial to the City. A new restaurant provides for increased economic benefits providing employment and taxes to the City. Staff feels the site layout and building, as proposed and as conditioned, complies with all the requirements and standards applicable. Staff joins the Planning Commission in recommending adoption of the proposed Resolution 2019-__, approving Site Plan and Design Review 2019-01, based on the Findings and Conditions of Approval contained in the attached resolution.

ATTACHMENTS:

1. Resolution 2019-__
Exhibit "A", Conditions of Approval
2. Project Location and Zoning Map
3. Site Plan, Floor Plan, and Elevations

RESOLUTION 2019-

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LIVINGSTON
APPROVING SITE PLAN AND DESIGN REVIEW 2019-01
FOR THE CONVERSION OF A CAR WASH INTO A RESTAURANT AT BROTHERS FOOD
MART AT THE SOUTHEAST CORNER OF WALNUT AND HAMMATT AVENUES**

WHEREAS, pursuant to Livingston Municipal Code (“LMC”) section 5-6-7, Nukul K. Bassi, owner and applicant, has applied for a Site Plan and Design Review approval to convert a car wash into a restaurant at 690 Hammatt Avenue, (APN 023-070-011), in the City of Livingston; and

WHEREAS, the site is zoned C-3 (Highway Services Commercial), and has a General Plan designation of HC (Highway Commercial) according to the official zoning map of the City of Livingston and the 1999 Livingston General Plan; and

WHEREAS, LMC Section 5-6-7 requires the approval of a Site Plan and Design Review for new structures and expansion to existing facilities within the C-3 district to assure compatibility, harmony in appearance in neighborhoods, reduction of negative impacts of nonaesthetic development, and orderly development of the community; and

WHEREAS, a public hearing for the proposed project has been properly noticed by posting, a newspaper ad, and a mailing to adjacent properties within 300 feet of the site; and

WHEREAS, the City Council has considered the environmental effects of the project and has determined, based on the evidence contained within the associated staff report, that this project qualifies for the Conversion of a Small Structure with only minor modifications Categorical Exemption (CEQA Guidelines Section 15301) and the In-Fill Categorical Exemption, (CEQA Guidelines Section 15332); and

WHEREAS, the City Council has reviewed the project with reference to the 1999 General Plan, the Zoning Ordinance (specifically Sections 5-6-7 “C” thru “E”) and the adopted Livingston Design Guidelines; and finds that, based on the evidence documented within the associated staff report and proceedings of the public hearing, the proposed use, its site plan and design, is consistent with the General Plan, complies with the Zoning Ordinance in that the site plan and design meets the zoning standards and requirements (including those specifically referenced above), and meets the intent and guidance of the Livingston Design Guidelines; and

WHEREAS, the City Council has reviewed and considered any and all comments on the Site Plan and Design Review made at the public hearing.

NOW, THEREFORE, BE IT RESOLVED that the Livingston City Council hereby adopts Resolution 2019-___, approving the Site Plan and Design of the subject new development.

BE IT FURTHER RESOLVED, that the Conditions of Approval within City Council Resolution 2019-___, Exhibit A, (attached), are hereby approved.

Passed and adopted this 4th day of June, 2019, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Gurpal Samra, Mayor
of the City of Livingston

ATTEST:

I hereby certify that the foregoing resolution was regularly introduced, passed, and adopted at a regular meeting of the City Council of the City of Livingston this 4th day of June, 2019.

Antonio Silva, City Clerk
of the City of Livingston

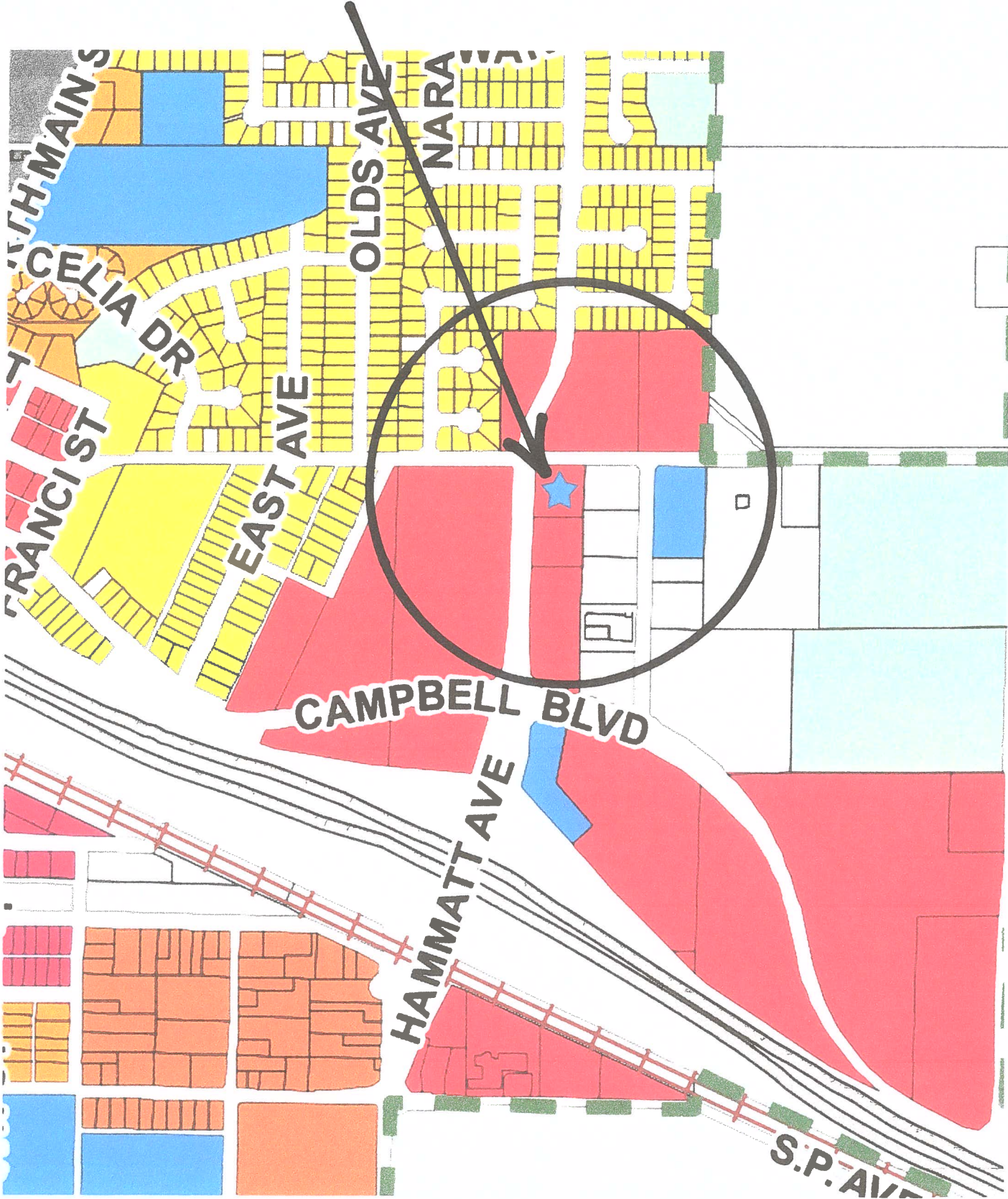
Exhibit A
Conditions of Approval

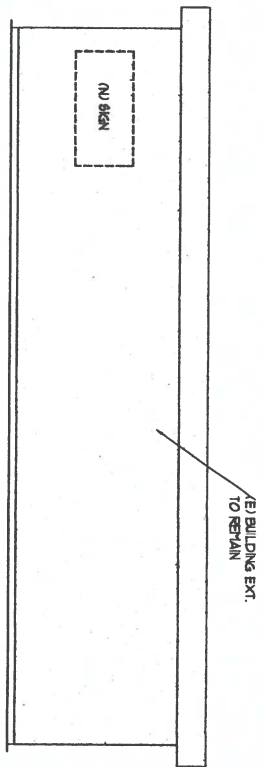
1. The Developer shall comply with all federal, state and local laws, policies, standards and requirements applicable to this use and obtain a building permit and all other permits applicable to this use and shall pay all fees and exactions applicable to such a use; and
2. The Developer shall submit improvement plans for site modifications including, but not limited to, ADA accessibility, utilities, hardscape, storm drainage, landscaping and irrigation, site lighting, and erosion control; and
3. The Developer shall comply with all requirements of the Merced County Fire Department; and
4. The Developer shall obtain any needed grading and encroachment permits for the project paying the permit fees, plan check and inspection fees, and furnish improvement securities pursuant to the City's improvement standards, municipal code, and ordinances; and
5. The Developer shall pay all applicable development impact fees for Municipal Facilities, Police, Fire Protection, Streets and Bridges, Water, Domestic Wastewater, Storm Drainage, and Parks; and
6. The Developer shall submit any improvement plans to conform to the latest edition of the City of Livingston Improvement Standards and all applicable state, federal, and local laws and regulations; and
7. Unless exempt, the Developer shall prepare a Storm Water Pollution Prevention Plan (SWPPP) pursuant to the California Water Control Board Order No. 2009-0009-DWQ, NPDES No. CA 000002 or Erosion and Sediment Control Plan (ESCP) pursuant to the City of Livingston's MS4 Phase II Permit for construction activities. Prepare an Erosion Control Plan for storm water and construction BMPs; and
8. Unless exempt, the developer shall prepare a Dust Control Plan (DCP) and file the Plan with the San Joaquin Valley Air Pollution Control District for construction activities pursuant to Regulation VIII (Rules 8011-8081); and
9. The Developer shall prepare and provide any needed public utility easements and provide all utility services as required by the City Engineer including meters, backflow preventers, post indicator valves, floor drains and provide grease interceptors for non-sanitary or floor drain discharges; and
10. Unless exempt, the Developer shall prepare and provide volumetric sizing calculations, low impact development (LID) measures operation and maintenance plan (O&M), and statement of responsibility agreement for storm water management in accordance with the City of Livingston's Post-Construction Standards Plan and pursuant to the City's Phase II MS4 Permit requirements; and
11. The Developer shall repair any damage to City facilities such as curb, gutter, sidewalk, streets and alleys caused by construction; and

12. The Developer shall provide ADA accessible path of travel to the building in conformance with the City of Livingston Improvement Standards, City Engineer requirements, and all other applicable regulations; and
13. The Developer shall indemnify, defend and hold harmless the City and its officials, officers, employees, agents, and consultants from any and all legal or administrative actions or other proceedings challenging this approval or any subsequent approval associated with this project; and
14. The development of the site shall be consistent with approved plans, elevations, and colors. Minor variations from approved plans, elevations, and colors may be allowed at the review and approval of City staff; and
15. The Developer and/or Operator shall submit all exterior signs and/or logos for City staff review and approval consistent with the City's signage regulations for both wall signs and pole signs; and
16. The Developer shall submit final landscape plans for City staff review and approval specifying plant selection, size and irrigation consistent with the preliminary landscape plan submitted as part of the application and described in the associated staff report and shall pay the landscape inspection fee to insure installation was done according to plan; and
17. Any exterior lighting shall be submitted for City staff review and approval. Such lighting shall be directed to areas on the subject property itself and shall avoid shining toward adjacent properties; and
18. The Developer shall comply with all requirements of PG&E as it relates to the conversion of the car wash to a restaurant; and
19. The Developer and/or Operator shall keep the site free from trash and debris and shall maintain the premises in a clean and orderly manner; and
20. The Developer and/or Operator may utilize an outdoor area of the lot for outdoor dining subject to staff review and administrative approval; and
21. Informational signage shall be installed to inform users of the business of parking available at the east side of the site; and
22. The Developer and/or Operator shall install additional outdoor lighting to illuminate the parking areas and access to the restaurant subject to staff review and administrative approval.

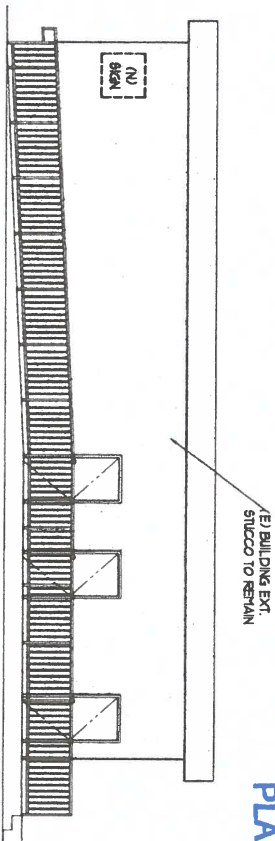
Bassi Site Plan and Design Review 2019-01

Zoning: C-3, Highway Service Commercial

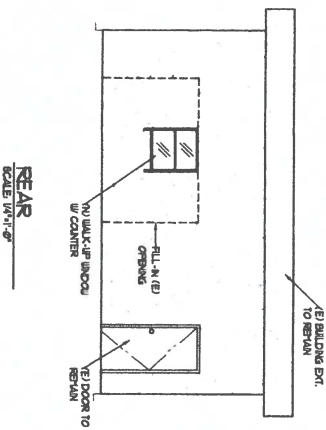




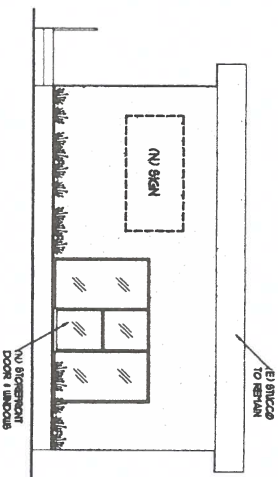
REAR
SCALE: 1/8"=1'-0"



RIGHT
SCALE: 1/8"=1'-0"



FRONT
SCALE: 1/8"=1'-0"



REAR
SCALE: 1/8"=1'-0"

RECEIVED

MAR 20 2019

PLANNING


 571 W. 204 STREET, MENLO PARK, CA
 TEL: (650) 321-2711
 E-MAIL: info@ddesign.com
 - Residential - Design - Remodeling -

Designer: *Ralph Renshaw*

REVISION	DATE

023-070-011

PROJECT FOR: BROTHER'S FOOD MART
 690 HAMMETT AVE
 LIVINGSTON, CA

JOB NO.	
DATE: MARCH 2019	
SCALE: NOTED	
DRAWN BY: RAR	
CHECKED BY: RAR	
SHEET	2

STAFF REPORT

AGENDA ITEM: **Initiating Proceedings and Ordering the Preliminary Engineer’s Report for the Annual Levy of Assessments for Fiscal Year 2019/2020 for the Citywide Consolidated Landscape Maintenance Assessment District No. 1, Approving the Engineer’s Report, Declaring the City’s Intention to Levy Annual Assessments for the District, and Appointing a Time and Place for a Public Hearing**

MEETING DATE: **June 4, 2019**

PREPARED BY: **Willdan Financial Services**

REVIEWED BY: **Jose Antonio Ramirez, City Manager**

RECOMMENDATION:

Approve Resolution No. 2019- _____, Initiating Proceedings and Ordering the Preliminary Engineer’s Report for the Annual Levy of Assessments for Fiscal Year 2019/2020 for the Citywide Consolidated Landscape Maintenance Assessment District No. 1, Approving the Engineer’s Report, Declaring the City’s Intention to Levy Annual Assessments for the District, and Appointing a Time and Place for a Public Hearing

BACKGROUND:

The City of Livingston annually levies and collects special assessments in the Citywide Consolidated Landscape Maintenance Assessment District No. 1 (the “District”) to offset the cost of providing the maintenance of landscape improvements within specific areas of the City. There are currently twenty-six Benefit Zones (the “Zones”) within the District as follows:

Almond Glen	Monte Cristo Estates
Country Glen	Vinewood Estates II (Briarwood)
Country Roads	Monte Cristo Estates II (Briarwood)
Harvest Manor	Kensington Park South (Vineyard Estates)
Vinewood Estates	Bridgeport Village
Vintage West	Davante Villas
North Residential	Country Lane I (Liberty Square)
South Residential	Country Lane II (Country Lane, Kishi)
Central Residential	Parkside-Forecast
North Commercial	Sundance IV (Country Villas IV)
Downtown Commercial	Strawberry Fields
South Commercial	La Tierra (Rancho Estrada)
	Somerset (Sun Valley Estates)
	Sundance (Country Villas 1, 2, and 3)

DISCUSSION:

This resolution initiates the annual proceedings for the levy of annual assessments, declares the City’s intention to levy annual assessments, and preliminarily approves the Engineer’s Report for the District and Zones.

Since no cost of living adjustments are allowed in the twelve (12) original Zones, the proposed FY 2019/2020 assessments in these Zones will remain the unchanged from the previous year’s assessment rates. The assessments within the Zones known as Bridgeport Village, Country Lane I (Liberty Square), Country Lane II (Country Lane, Kishi), Sundance (Country Villas 1, 2, and 3), Davante Villas, Kensington Park South (Vineyard Estates), La Tierra (Rancho Estrada), Parkside-Forecast, Monte Cristo, Monte Cristo II (Briarwood), Strawberry Fields, Somerset (Sun Valley Estates), Sundance IV (Country Villas IV), and Vinewood Estates II (Briarwood) were approved by the property owners pursuant to a mailed ballot election conducted in accordance with Article XIII D of the California Constitution.

In each fiscal year following these balloted elections, the City Council may impose the assessments in these Zones at a rate or amount that is less than or equal to the amount authorized for the previous fiscal year after being increased by the approved annual escalation factor, without conducting another mailed ballot election. The approved annual escalation factor for these Zones is based upon the Consumer Price Index, All Urban Consumers, for the San Francisco-Oakland-San Jose Area (“CPI”). The fiscal year 2019/2020 assessment rates within these Zones are proposed to be increased over last year’s rates by 3.865%, which is the percentage increase in the CPI, All Urban Consumers, for the San Francisco-Oakland-San Jose Area Annual 2018 calculated from Annual 2017.

Pursuant to Proposition 218, The Right to Vote on Taxes Act, new or increased assessments must be approved by a vote of the owners of the property to be assessed. Since the assessment rates are not to be increased by any amount other than the approved CPI, there will be no need for a property owner vote.

Following actions will include a public hearing to be set for June 18, 2019. At that time, the Council will be asked to adopt a resolution confirming assessments and authorizing staff to place the assessments on the annual tax rolls.

FISCAL IMPACT:

All funding of costs applicable to the benefiting District parcels are borne by the property owners within the referenced zones, except as noted below. The following zone shows a projected negative beginning fund balance and/or a projected deficit for fiscal year 2019/2020.

LMD District	Projected Beg Reserve Balance (7-1-19)	Projected General Fund (Contribution) / Repayment (FY 2019-20)	Total Projected Deficit (6-30-20)
Monte Cristo	(\$892)	(\$2,950)	(\$3,842)

ATTACHMENTS:

1. Resolution 2019- _____
2. Engineer’s Report and Budget

RESOLUTION NO. 2019-__

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LIVINGSTON
INITIATING PROCEEDINGS AND ORDERING THE PRELIMINARY ENGINEER'S REPORT FOR
THE ANNUAL LEVY OF ASSESSMENTS FOR FISCAL YEAR 2019/2020 FOR THE CITYWIDE
CONSOLIDATED LANDSCAPE MAINTENANCE ASSESSMENT DISTRICT NO. 1, APPROVING THE
ENGINEER'S REPORT, DECLARING THE CITY'S INTENTION TO LEVY ANNUAL ASSESSMENTS
FOR THE DISTRICT, AND APPOINTING A TIME AND PLACE FOR A PUBLIC HEARING**

WHEREAS, the City Council of the City of Livingston, pursuant to the provisions of the Landscaping and Lighting Act of 1972, being division 15 of the Streets and Highways Code of the State of California (the "Act"), desires to initiate proceedings for the City of Livingston's Citywide Consolidated Landscape Maintenance Assessment District No. 1 (the "District") and Benefit Zones (the "Zones") and for the levy and collection of assessments within the District and Zones for the fiscal year 2019/2020, for the purposes provided thereof in the Act; and

WHEREAS, the public interest and convenience require the City to initiate proceedings for the levy of annual assessments within the District and Zones for the fiscal year 2019/2020, for the purposes provided thereof in the Act; and

WHEREAS, Section 22622 of the Act requires the City to adopt a resolution generally describing any proposed new improvements or any substantial changes in the existing improvements and ordering the Engineer to prepare and file a report in accordance with Article 4 of the Act.

WHEREAS, as a condition of original approvals for development within the City of Livingston (hereinafter referred to as the "City"), the City has required that developers install landscape improvements adjacent to their Projects, and that the landscaping and related improvements be installed to a standard acceptable to the City, and that developers provide a means satisfactory to the City for assuring the continued maintenance, operation, and servicing of the Improvement Areas and improvements thereto; and

WHEREAS, the City has installed landscaping and improvements in the form of parks, located throughout the City in addition to developer installed landscaping; and

WHEREAS, the improvements to be installed, constructed or maintained within the District and Zones may include installation, construction or maintenance of any authorized improvements under the Act, including, but not limited to landscape and irrigation improvements and any facilities which are appurtenant to any of the aforementioned or which are necessary or convenient for the maintenance or servicing thereof; and

WHEREAS, the individual property owners of the developments are responsible for providing funding towards the costs of the continued maintenance, operation, and servicing of the Improvement Areas and improvements thereto; and

WHEREAS, the proposed assessment rates for each of the original 12 Zones, together with the 14 Zones which may be increased annually by the approved CPI rate increase, provide funding to maintain the current improvements; and

WHEREAS, in order to maintain the improvements at a standard acceptable to the City the assessments within the District and Zones will need to be levied for fiscal year 2019/2020; and

WHEREAS, Proposition 218, the Right to Vote On Taxes Act does hereby require that if the assessment rate is to be increased above an approved CPI rate, a notice of the proposed assessment along with a ballot shall be mailed to all owners of identified parcels within the District and Zones, and that the agency shall conduct a public hearing not less than 45 days after the mailing of said notice; and

WHEREAS, all assessments subject to annual rate increases, such annual rate increases were previously approved through a successful balloting of the property owners and these assessment increases require no further balloting; and

WHEREAS, notices and Assessment Ballots are not required if assessments are not considered increased; and

WHEREAS, Willdan Financial Services has prepared an Engineer's Report (the "Report") which references the location of each Zone's boundaries which are benefited by the improvements and the amounts to be assessed against each of the parcels within the District and Zones; and

WHEREAS, the Engineer's Report, referenced diagrams and assessments have been filed with the City Clerk and are open to public inspection, and may be referred to for all details regarding the improvements, the boundary of the District and Zones, the assessments, total costs, and description of the parcels to be assessed; and

WHEREAS, this City Council has examined and considered the Engineer's Report, references to the diagrams, the assessments, and the proceedings prior thereto.

NOW, THEREFORE, BE IT RESOLVED, determined, and ordered by the City Council for the City of Livingston Consolidated Landscape Maintenance Assessment District No. 1, as follows:

Section 1. That the above recitals are true and correct.

Section 2. That the City hereby proposes an annual levy of assessments for The Consolidated Landscape Maintenance Assessment District No. 1, including the following Zones:

Almond Glen	Monte Cristo Estates
Country Glen	Vinewood Estates II (Briarwood)
Country Roads	Monte Cristo Estates II (Briarwood)
Harvest Manor	Kensington Park South (Vineyard Estates)
Vinewood Estates	Bridgeport Village
Vintage West	Davante Villas
North Residential	Country Lane I (Liberty Square)
South Residential	Country Lane II (Country Lane, Kishi)
Central Residential	Parkside-Forecast
North Commercial	Sundance IV (Country Villas IV)
Downtown Commercial	Strawberry Fields
South Commercial	La Tierra (Rancho Estrada)
	Somerset (Sun Valley Estates)
	Sundance (Country Villas 1, 2, and 3)

Thereon to provide for the following work:

Installation, construction or maintenance of any authorized improvements under the Act, including, but not limited to landscape and irrigation improvements and any facilities which are appurtenant to any of the aforementioned or which are necessary or convenient for the maintenance or servicing thereof.

Section 3. The City Council hereby (1) finds that the public interests and convenience requires and (2) declares its intention to order the approval of the levy and collection of assessments against the assessable lots and parcels of land within such District and Zones for the fiscal year commencing July 1, 2019 and ending June 30, 2020 to pay the costs and expenses of the improvements described herein. For the Zones: Bridgeport Village, Country Lane I (Liberty Square), Country Lane II (Country Lane, Kishi), Somerset (Sun Valley Estates), Sundance (Country Villas 1, 2, and 3), Davante Villas, Kensington Park South (Vineyard Estates), La Tierra (Rancho Estrada), Parkside-Forecast, Monte Cristo, Monte Cristo II (Briarwood), Strawberry Fields, Sundance IV (Country Villas IV, Dunmore Homes), and Vinewood Estates II (Briarwood), the assessments proposed by this resolution were approved by the property owners pursuant to a mailed ballot election conducted in accordance with Article XIII D of the California Constitution. For these Zones, in fiscal years subsequent to these approved balloted elections, the City Council may thereafter impose the assessment at any rate or amount that is less than or equal to the amount authorized for previous fiscal year together with an annual increase equal to the percentage increase of the Consumer Price Index (CPI) of "All Urban Consumers" for the San Francisco-Oakland-San Jose Area ("CPI"), as determined by the United States Department of Labor without conducting another mailed ballot election. Each year, the Engineer shall compute the percentage of difference between the annual CPI for the most recent year and the CPI for the previous year and shall then adjust the existing assessment by an amount up to, but not to exceed such percentage increase for the following fiscal year. Should the Bureau

of Labor Statistics revise such index or discontinue the preparation of such index, the Engineer shall use the revised index, or a comparable system as approved by the City Council for determining fluctuations in the cost of living.

Section 4. The City Manager is directed to cause the preparation of a report in accordance with Article 4 of the Act for the District and Zones, and upon completion, to file said report with the City Clerk, who shall then submit the same to the City Council for its consideration.

Section 5. In accordance with the City Council's order, the City's Engineer has filed with the City Clerk the Engineer's Report required by Article 4 of the Act and entitled "Annual Engineer's Report, Consolidated Landscaping Maintenance Assessment District No. 1 (the Report)". All interested persons are referred to the Report for a full and detailed description of the improvements, the proposed annual assessments upon assessable lots and parcels of land within the District and Zones.

Section 6. The Report has been presented to the City Council and the City Council has duly considered each and every part of the Report.

Section 7. The location and boundaries of each Zone of the District are shown on maps on file in the office of the City Clerk (Section 22570 of the Streets and Highways Code) have been incorporated into the Report by reference and the assessment upon each assessable lot or parcel of land within the district showing the area to be benefited and assessed for the improvements (Section 22572 of the Streets and Highways Code) has been described in the Report. The diagrams, assessments, and improvement plans have been filed with the City Clerk.

Section 8. The diagrams referenced in the Engineer's Report, which indicate by a boundary line the extent of the District and Zones, is hereby declared to describe the boundaries of the District and Zones and shall govern for all details as to the extent and location of said District and Zones.

Section 9. This City Council is satisfied with the correctness of the diagrams and assessment including the proceedings and all matters relating thereto.

Section 10. The public interest and convenience require and it is the intention of the City Council of the City to levy and collect additional assessments within the District and Zones for the fiscal year 2019/2020.

Section 11. The City Council hereby finds that each and every part of the Report is sufficient and the City Council hereby preliminarily approves, passes on and adopts the Report as submitted to the City Council and filed with the City Clerk. The preliminary report shall stand as the Report for the purposes of all subsequent proceedings pursuant to this Resolution of Intention.

Section 12. The City Council does hereby reference the Report, which indicates the amount of the proposed increased assessments, the District and Zones boundary, detailed description of improvements, and the method of assessment. The Report is on file in the office of the City Clerk and reference to the Report is hereby made for all particulars.

Section 13. That notice is hereby given that on the 18th day of June 2019, at the hour of 7 p.m., or as soon thereafter as possible, in the City Council Chambers, 1416 "C" Street, in the City of Livingston, the City will hold a public hearing with reference to the District and Zones.

Section 14. The City Clerk shall certify to the adoption of this Resolution by the following vote:

AYES:

NOES:

ABSENT:

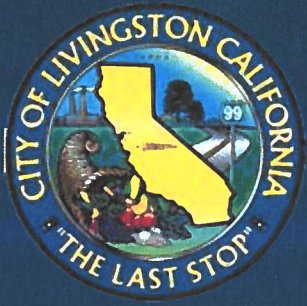
ABSTAIN:

Gurpal Samra, Mayor
of the City of Livingston

ATTEST:

I, hereby certify that the foregoing Resolution was regularly introduced, passed, and adopted at a regular meeting of the City Council of the City of Livingston, this 4th day of June 2019.

Antonio Silva, City Clerk
of the City of Livingston



CITY OF LIVINGSTON

ANNUAL ENGINEER'S REPORT

CITYWIDE CONSOLIDATED LANDSCAPE MAINTENANCE ASSESSMENT DISTRICT NO. 1

FISCAL YEAR 2019/2020

**INTENT MEETING: June 4, 2019
PUBLIC HEARING: June 18, 2019**

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F. 951.587.3510

www.willdan.com/financial



AFFIDAVIT FOR THE ENGINEER'S ANNUAL LEVY REPORT

Establishment of Annual Assessments for the:

**CITYWIDE CONSOLIDATED LANDSCAPE MAINTENANCE
ASSESSMENT DISTRICT NO. 1**

City of Livingston
Merced County, State of California

This revised report describes the CITYWIDE CONSOLIDATED LANDSCAPE MAINTENANCE ASSESSMENT DISTRICT NO. 1 and any relevant Zones therein, including the improvements, budgets, parcels and assessments to be levied for fiscal year 2019/2020, as they existed at the time of the passage of the Resolution of Intention. Reference is hereby made to the Merced County Assessor's maps for a detailed description of the lines and dimensions of parcels within the District.

The undersigned respectfully submits the enclosed Report as directed by the City Council.

Dated this 24th day of MAY, 2019

Willdan Financial Services
Assessment Engineer
On Behalf of the City of Livingston

By: 
Mickey Ashley
Senior Project Analyst
District Administration Services

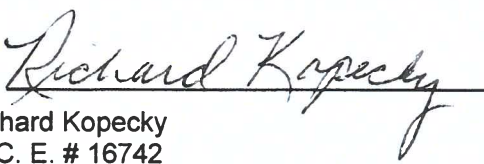
By: 
Richard Kopecky
R. C. E. # 16742



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I. OVERVIEW

A. Introduction

The City of Livingston (“City”) annually levies and collects special assessments in order to maintain the improvements within the Citywide Consolidated Landscape Maintenance Assessment District No. 1 (the “District”). The District is a consolidation of several original landscape districts or zones within the City. Each of the original zones was established as a separate benefit zone before being consolidated into the single District. Assessments are levied annually for the District pursuant to the 1972 Act, being Part 2 of Division 15 of the California Streets and Highways Code (the “Act”).

The District currently includes twenty-six (26) “benefit zones” (“Zones”). Each Zone includes specific improvements that provide a special benefit to the parcels within the Zone. The improvements that benefit properties within each Zone and the costs of those improvements and services are identified and budgeted separately for each Zone.

This Annual Engineer’s Report (“Report”) describes the District, any annexations, or changes to the District, and the proposed assessments for fiscal year 2019/2020. The proposed assessments are based on the historical and estimated cost to maintain the improvements that provide a direct and special benefit to properties within the District. The cost of improvements and the annual levy includes all expenditures, deficits, surpluses, revenues, and reserves. Each parcel is assessed proportionately for only those improvements provided and for which the parcel receives benefit.

The word “parcel,” for the purposes of this Report, refers to an individual property assigned its own assessment parcel number by the County of Merced Assessor’s Office. The County of Merced Auditor-Controller uses assessment parcel numbers and specific fund numbers to identify on the tax roll properties assessed for special district benefit assessments.

Following consideration of public comments and written protests at a noticed public hearing, and review of the Annual Engineer’s Report, the City Council may order amendments to the Report or confirm the Report as submitted. Following final approval of the Report, and confirmation of the assessments, the Council may order the levy and collection of assessments for fiscal year 2019/2020 pursuant to the Act. In such case, the assessment information will be submitted to the County Auditor-Controller and included on the property tax roll for each benefiting parcel for fiscal year 2019/2020.

B. Compliance with Current Legislation

On November 5, 1996, California voters approved Proposition 218. This Constitutional amendment was the latest in a series of initiatives altering the revenue-raising discretion of California local agencies. The provisions of the Proposition are set forth in California Constitutional Articles XIIC and XIID.

As relevant to the District, California Constitution Article XIII D, Sections 1 through 5, provide for additional substantive and procedural requirements, as outlined below.

In Proposition 218, “Assessments” are defined as:

“... any levy or charge upon real property by an agency for a special benefit conferred upon the real property. ‘Assessment’ includes, but is not limited to, ‘special assessment,’ ‘benefit assessment,’ ‘maintenance assessment’ and ‘special assessment tax.’” Article XIII D Section 2b.

Although District assessments are generally collected on the property tax rolls, District “assessments” are not “taxes.” Assessments are distinct from the regular one percent (1%) property tax and property tax debt overrides in that assessment rates are not levied on an ad valorem basis. The levies contained in this report are considered assessments under Proposition 218.

Proposition 218 requires that beginning July 1, 1997, all new and existing assessments (with some exceptions) conform to new substantive and procedural requirements. However, certain assessments are exempted from the conformity requirement until they are increased. Generally, these exemptions include:

- Assessments used exclusively to fund sidewalks, streets, sewers, water, flood control, drainage systems, or vector control.
- Assessments used exclusively for bond repayments, the cessation of which would violate the Contract Impairment Clause of the U.S. Constitution.
- Assessments previously approved by a majority of voters.
- Assessments approved by the persons owning all of the property at the time the assessment was initially imposed.

Zones designated as Almond Glen, Country Glen, Country Roads, Harvest Manor, Vinewood Estates, Vintage West, North Residential, South Residential, Central Residential, North Commercial, Downtown Commercial and South Commercial were all formed prior to the passage of Proposition 218 and are exempt from the procedural requirements. However, any new or increased assessments, if proposed, will be subject to the substantive and procedural requirements of Proposition 218.

The Zones Vinewood Estates II (Briarwood), Monte Cristo, Monte Cristo II (Briarwood), Sundance (Country Villas 1, 2, and 3), Kensington Park South (Vineyard Estates), Bridgeport Village, Davante Villas, Country Lane I (Liberty Square), Country Lane II (Country Lane, Kishi), Parkside-Forecast, Sundance IV (Country Villas IV), Strawberry Fields, La Tierra (Rancho Estrada), and Somerset (Sun Valley Estates) were formed after the passage of Proposition 218. As such, these Zones were formed in accordance with the substantive and procedural requirements and property owners were balloted for

the assessments. The assessments for these Zones included the annual Consumer Price Index inflator.

C. Zone Boundaries of District

Zone 1 — Almond Glen This Zone is generally located north of Walnut Avenue, south of Grapevine, east of Olds Avenue, and west of the City limits. All parcels within the Zones are located in the Almond Glen Subdivision.

Zone 2 — Country Glen This Zone is generally located south of “F” Street, and west of Sun Crest Avenue, in the southwest corner of the City. Parcels within the Zone are located in the Country Glen Subdivision.

Zone 3 — Country Roads This Zone is generally located at the northeast corner of Dwight Way and Walnut Avenue. All parcels within the Zone are located within the Country Roads Subdivision.

Zone 4 — Harvest Manor This Zone is located south of Olive Avenue, north of Grapevine, east of Livingston Cressey Road, and west of Olds Avenue. All parcels within this Zone are located in the Harvest Manor Subdivision.

Zone 5 — Vinewood Estates This Zone is generally located north of F Street, south of B Street, and west of Selma Herndon School. All parcels are within the Vinewood Estates Subdivision.

Zone 5B – Vinewood Estates II (Briarwood) This Zone is generally located south of “B” street and west of Selma Herndon School. All parcels are northwest of the Vinewood Estates Subdivision.

Zone 6 — Vintage West This Zone is located north of Peach Avenue, through and including Burgundy and Gamay Way, west of Hammatt Avenue, through and including Amaretto Way. All parcels are within the Vintage West Subdivision.

Zone 7 — North Residential This Zone consists of all residential parcels north of the 99 Freeway.

Zone 8 — South Residential This Zone consists of the residential parcels south of the downtown business area.

Zone 9 — Central Residential This Zone consists of the residential parcels south of the 99 Freeway and generally adjacent to the downtown business area.

Zone 10 — North Commercial This Zone consists of the commercial and industrial parcels north of the 99 Freeway.

Zone 11 — Downtown Commercial This Zone consists of the commercial and industrial parcels within the downtown business area south of the 99 Freeway.

Zone 12 — South Commercial This Zone consists of the commercial parcels in the southern part of the City.

Zone 13 — Monte Cristo This Zone is located on Peach Avenue west of Prusso Street.

Zone 13B – Monte Cristo II (Briarwood) This Zone is generally located on the northeast corner of Peach Avenue and Winton Parkway.

Zone 14 — Sundance (Country Villas 1, 2, and 3) This Zone is located southeast of Walnut Avenue and Dwight Way.

Zone 15 — Kensington Park South (Vineyard Estates) This Zone is generally located on Dwight Avenue north of Peach Avenue.

Zone 16 — Bridgeport Village This Zone is generally located south of F Street and east of Winton Parkway.

Zone 17 — Davante Villas This Zone is generally located south of F Street and east of Arena Canal.

Zone 18 — Country Lane I (Liberty Square) This Zone is generally located at the southeast of Hammatt Avenue and Aspenglen.

Zone 19 — Country Lane II (Kishi) This Zone is generally located on Olive Avenue at Hammatt Avenue.

Zone 20 — Parkside-Forecast This Zone is located between “F” Street and Peach Avenue, east of Robin Avenue.

Zone 21 — Sundance IV (Country Villas IV) This Zone is located east of Dwight Way and approximately 1,311 feet south of Walnut Avenue.

Zone 22 — Strawberry Fields This Zone is located on “I” Street and west of the Arena Canal.

Zone 23 — La Tierra (Rancho Estrada) This Zone is located on the southeast corner of “F” Street and Robin Avenue.

Zone 24 — Somerset (Sun Valley Estates) This Zone is located on the south side of Peach Avenue, west of the Arena Canal.

Public Properties These are properties that do not benefit specifically from the improvements maintained by the District. The approximate number of EDU's, however, provides an estimate of the general benefit associated with graffiti removal.

D. Improvements Authorized by the 1972 Act

As applicable or may be applicable to a proposed or existing district, the 1972 Act defines improvements to mean one or any combination of the following:

- The installation or planting of landscaping.
- The installation or construction of statuary, fountains, and other ornamental structures and facilities.
- The installation or construction of public lighting facilities.
- The installation or construction of any facilities which are appurtenant to any of the foregoing or which are necessary or convenient for the maintenance or servicing thereof, including, but not limited to, grading, clearing, removal of debris, the installation or construction of curbs, gutters, walls, sidewalks, or paving, or water, irrigation, drainage, or electrical facilities.
- The maintenance or servicing, or both, of any of the foregoing.
- The acquisition of any existing improvement otherwise authorized pursuant to this section.
- Incidental expenses associated with the improvements including, but not limited to:
 - The cost of preparation of the report, including plans, specifications, estimates, diagram, and assessment;
 - The costs of printing, advertising, and the publishing, posting and mailing of notices;
 - Compensation payable to the County for collection of assessments;
 - Compensation of any engineer or attorney employed to render services;
 - Any other expenses incidental to the construction, installation, or maintenance and servicing of the improvements;
 - Any expenses incidental to the issuance of bonds or notes pursuant to Section 22662.5.
- Costs associated with any elections held for the approval of a new or increased assessment.

The 1972 Act defines "Maintain" or "maintenance" to mean furnishing of services and materials for the ordinary and usual maintenance, operation, and servicing of any improvement, including:

- Repair, removal, or replacement of all or any part of any improvement.

- Providing for the life, growth, health, and beauty of landscaping, including cultivation, irrigation, trimming, spraying, fertilizing, or treating for disease or injury.
- The removal of trimmings, rubbish, debris, and other solid waste.
- The cleaning, sandblasting, and painting of walls and other improvements to remove or cover graffiti.

Furthermore, the 1972 Act specifies that where the cost of improvements (other than maintenance and operations) is greater than can be conveniently raised from a single annual assessment, an assessment to be levied and collected in annual installments. In that event, the governing body may choose to do any of the following:

- Provide for the accumulation of the moneys in an improvement fund until there are sufficient moneys to pay all or part of the cost of the improvements as provided in the Act.
- Provide for a temporary advance to the improvement fund from any available and unencumbered funds of the local agency to pay all or part of the cost of the improvements and collect those advanced moneys from the annual installments collected through the assessments.
- Borrow an amount necessary to finance the estimated cost of the proposed improvements. The amount borrowed, including amounts for bonds issued to finance the estimated cost of the proposed improvements.

II. PLANS AND SPECIFICATIONS

A. General Description of the District and Services

The District provides for maintenance, servicing and operation of landscaped improvements, park maintenance, graffiti removal, and associated appurtenances located within the public right-of-way and dedicated landscape easements in twenty-six (26) areas throughout the City: Nineteen (19) subdivision-specific areas, six (6) areas formerly comprising the Citywide Zone, and one (1) area for public properties benefiting from services provided by the District.

Each Zone has specific improvements that provide a special and direct benefit to the parcels within the Zones. All parcels that are identified as being within a Zone, share in both the cost and the benefits of the improvements. The costs associated with the improvements are equitably spread between all benefiting parcels within that Zone.

Improvements within the District are generally parks, ornamental structures, streetlights, landscaped medians and parkways and appurtenant facilities located within public places within the boundaries of the District and Zones. District improvements also include turf, ground cover, shrubs and trees, irrigation systems, walkways, other ornamental vegetation, irrigation systems and appurtenant facilities.

Services provided include all necessary service, operations, maintenance required to keep the improvements in a healthy, vigorous condition and in proper working order.

Maintenance includes the furnishing of services and materials for the ordinary and usual maintenance, operation and servicing of the ornamental structures, landscaping and appurtenant facilities, including repair, removal or replacement of all or part of any of the ornamental structures, landscaping, lighting improvements or appurtenant facilities; providing for the life, growth, health and beauty of the landscaping, including cultivation, irrigation, trimming, spraying, fertilizing and treating for disease or injury; the removal of trimmings, rubbish, debris and other solid waste; and the cleaning, sandblasting and painting of walls and other improvements to remove or cover graffiti. Servicing includes the furnishing of water and electricity for the irrigation and/or lighting as well as maintenance of any of the ornamental structures or appurtenant facilities. Operation includes the continual operation of the streetlight improvements.

Zones 5B Vinewood Estates II (Briarwood)), 13B Monte Cristo II (Briarwood), 14 Sundance (Country Villas 1, 2 and 3), 15 Kensington Park South (Vineyard Estates), 16 Bridgeport Village, 17 Davante Villas, 18 Country Lane I (Liberty Square), and 19 Country Lane II (Kishi), 20 Parkside-Forecast, 21 Sundance IV (Country Villas IV), 22 Strawberry Fields, 23 La Tierra (Rancho Estrada), and 24 Somerset (Sun Valley Estates) include streetlight maintenance as part of their assessments.

The following table lists the various Zones within the District along with the number of expected Equivalent Dwelling Units (EDU) to be assessed within each Zone:

BENEFIT ZONE EDUs

District Code	Zone	Description	EDUs
301	1	Almond Glen	84.00
302	2	Country Glen	44.00
303	3	Country Roads	200.00
304	4	Harvest Manor	215.00
305	6	Vintage West	310.00
306	13	Monte Cristo	64.00
307	13B	Monte Cristo II (Briarwood)	66.00
308	5	Vinewood Estates	123.00
309	5B	Vinewood Estates II (Briarwood)	15.00
310	15	Kensington Park South (Vineyard Estates)	30.00
311	16	Bridgeport Village	82.00
312	17	Davante Villas	153.00
313	22	Strawberry Fields	6.00
314	14	Sundance (Country Villas 1,2,3)	179.00
315	21	Sundance IV (Country Villas IV, Dunmore)	97.00
316	20	Parkside Forecast	185.00
317	18	Country Lane I (Liberty Square)	56.00
318	19	Country Lane II (Kishi)	157.00
319	23	La Tierra (Rancho Estrada)	77.00
320	7	North Residential	388.55
321	8	South Residential	707.86
322	9	Central Residential	523.66
323	10	North Commercial	1,649.25
324	11	Downtown Commercial	113.11
325	12	South Commercial	47.65
326	24	Somerset (Sun Valley)	133.00

III. METHOD OF APPORTIONMENT

A. Benefit Analysis

Pursuant to the 1972 Act, the legislative body establishes and determines the “estimated benefit received” by each parcel from the improvements. Additionally, Proposition 218 states:

“In any legal action contesting the validity of any assessment, the burden shall be on the agency to demonstrate that the property or properties in question receive a special benefit over and above the benefits conferred on the public at large and that the amount of any contested assessment is proportional to, and no greater than, the benefits conferred on the property or properties in question.” Article XIID Section 4f

Therefore, the agency also has a responsibility to identify the benefits conferred on each parcel, (i.e., “special benefit” versus “general benefit”). Proposition 218 defines special benefit as:

“... a particular and distinct benefit over and above general benefits conferred on real property located in the district or to the public at large. General enhancement of property value does not constitute ‘special benefit.’” Article XIID Section 2i

This does not necessarily mean “special benefit” cannot be “estimated benefit”.

Proposition 218 requires the City to identify all parcels which have a special benefit conferred upon them and upon which an assessment will be imposed. The proportionate special benefit to each parcel shall be determined in relationship to the entirety of the public improvements or the maintenance and operation expenses being provided, and

“Only special benefits are assessable, and an agency shall separate the general benefits from the special benefits conferred on a parcel. Parcels within a district that are owned or used by any agency, the State of California or the United States shall not be exempt from assessment unless the agency can demonstrate by clear and convincing evidence that those publicly owned parcels in fact receive no special benefit.” Article XIII D Section 4a (Emphasis added)

B. Assessment Methodology

The benefit formula used within each Zone of the District may vary. The formula used for each Zone reflects the composition of the parcels, and the improvements and services provided, to accurately proportion the costs based on estimated special benefit to each parcel.

Each parcel in the District is assigned a weighting factor known as an Equivalent Dwelling Unit (“EDU”). Each single-family residential property is assigned an EDU of 1.0 while the other assessable properties are assigned EDU factors based upon property type to arrive at the total EDU for each Zone. The total EDU in each Zone is divided into the total Balance to Levy for the Zone to establish the Levy per EDU (Rate) for each Zone. The Rate is then multiplied by each parcel’s individual EDU to establish the parcel’s levy amount. An explanation of how the weighting factors were determined can be found in the original District formation documents on file with the City.

The following shows the EDU factors for each property type in the District:

Property Type	EDU Factor	Basis
Developed Residential	1.00	Per Parcel
Developed Multi-Family	1.00	Per Unit
Undeveloped Residential	0.30	Per Acre
Developed Commercial/Industrial	6.00	Per Acre
Undeveloped Commercial/Industrial	0.30	Per Acre
Developed Public	6.00	Per Acre

A residential parcel shall be considered developed if a building permit can be issued on such parcel without further subdivision and the parcel is adjacent to curb and gutter improvements.

The following formulas are used to calculate each property’s assessment within each Zone.

$$\text{Total Balance to Levy/Total EDU} = \text{Levy per EDU (Rate)}$$

$$\text{Parcel EDU} \times \text{Levy per EDU (Rate)} = \text{Parcel Levy Amount}$$

The total levy per EDU will vary between benefit zones due to the different costs to maintain the improvements within each Zone. Table 1 below is a sample levy calculation for a parcel in the Almond Glen Zone.

**TABLE 1
SAMPLE LEVY CALCULATION**

ZONE	Property Type	TOTAL BALANCE TO LEVY	TOTAL EDU	=	LEVY per EDU	×	PARCEL EDU	=	PARCEL LEVY
Almond Glen	Single Family	\$6,815.76	84.00	=	\$81.14	×	1.00	=	\$6,815.76

All assessed lots or parcels of real property within each Zone are listed on the Assessment Roll (See Appendix B - 2019/2020 Assessment Roll). The Assessment Roll states the net amount to be assessed upon assessable lands within each Zone for fiscal year 2019/2020, shows the fiscal year 2019/2020 assessment upon each lot and parcel within each Zone and describes each assessable lot or parcel of land within each Zone. These lots and parcels are more particularly described on the County Assessment Roll, which is on file in the office of the Merced County Assessor and by reference is made a part of this report.

C. Assessment Rate per EDU

For Fiscal Year 2019/2020, the assessment rates for Vinewood Estates II (Briarwood), Monte Cristo, Monte Cristo II (Briarwood), Sundance (Country Villas 1, 2, and 3), Kensington Park South (Vineyard Estates), Bridgeport Village, Davante Villas, Country Lane I (Liberty Square), Country Lane II (Country Lane, Kishi), Parkside-Forecast, Sundance IV (Country Villas IV) , Strawberry Fields, La Tierra (Rancho Estrada), and Somerset (Sun Valley Estates) Zones have been increased by the annual percentage increase in the Consumer Price Index (CPI) of “All Urban Consumers” for the San Francisco-Oakland-San Jose Area (“CPI”) calculated from Annual 2017 to Annual 2018 of 3.865%. Should the Bureau of Labor Statistics revise such index or discontinue the preparation of such index, the Engineer shall use the revised index, or a comparable system as approved by the City Council for determining fluctuations in the cost of living. The maximum assessment rates per EDU of each Zone for FY 2019/2020 are shown in the budget section of this Report.

The following table shows the proposed assessment rate per EDU for each Zone for FY 2019/2020:

District Code	Zone	Description	Applied Rate per EDU*	Annual Inflator
301	1	Almond Glen	\$81.14	None
302	2	Country Glen	\$52.64	None
303	3	Country Roads	\$81.22	None
304	4	Harvest Manor	\$52.64	None
305	6	Vintage West	\$81.22	None
306	13	Monte Cristo	\$122.18	CPI
307	13B	Monte Cristo II (Briarwood)	\$241.90	CPI
308	5	Vinewood Estates	\$52.64	None
309	5B	Vinewood Estates II (Briarwood)	\$115.70	CPI
310	15	Kensington Park South (Vineyard Estates)	\$136.12	CPI
311	16	Bridgeport Village	\$421.36	CPI
312	17	Davante Villas	\$605.82	CPI
313	22	Strawberry Fields	\$421.36	CPI
314	14	Sundance (Country Villas 1,2,3)	\$122.16	CPI
315	21	Sundance IV (Country Villas IV, Dunmore)	\$276.04	CPI
316	20	Parkside Forecast	\$212.28	CPI
317	18	Country Lane I (Liberty Square)	\$447.28	CPI
318	19	Country Lane II (Kishi)	\$846.44	CPI
319	23	La Tierra (Rancho Estrada)	\$672.20	CPI
320	7	North Residential	\$52.64	None
321	8	South Residential	\$52.64	None
322	9	Central Residential	\$52.64	None
323	10	North Commercial	\$11.44	None
324	11	Downtown Commercial	\$11.44	None
325	12	South Commercial	\$11.44	None
326	24	Somerset (Sun Valley)	\$464.94	CPI

* The rates have been rounded down to nearest even penny per Merced County requirements

IV. DISTRICT BUDGET

A. Description of Budget Items

The following describes the services and costs that are to be funded for the District are shown in the following budgets of each Zone.

DIRECT COSTS:

Unless otherwise specified, the improvements and services funded by the District are provided at a consistent level throughout the District.

Landscape O&M — Landscape operations and maintenance costs, including all costs for materials and utilities required to properly maintain the landscaping, irrigation systems, certain drainage areas, and appurtenant facilities for the landscaped areas within each Zone. All improvements within the District are maintained and serviced on a regular basis. The frequency and specific maintenance operations required within the District are determined by City staff but are generally scheduled weekly. All parcels are assessed for this service.

Park O&M — Park operations and maintenance costs include materials and supplies required for proper maintenance and care for parks throughout the City. Park improvements include turf, landscaping, irrigation systems and all appurtenant facilities. All parcels are assessed for park operations and maintenance costs. These costs include the operation and maintenance costs associated with the soccer field. The isolated nature of Livingston makes the continued maintenance of this facility of special benefit to all residential, commercial, and industrial properties in the District. All parcels are assessed for these costs.

Personnel Services — Includes labor related costs required to properly maintain, service and/or operate the district improvements and appurtenant facilities.

Maintenance Support — Includes costs related to communications of support personnel and information technology services.

Graffiti Removal — Includes costs to all parcels in the District for the removal of graffiti, including the cost of labor and materials. Based on information provided by the Public Works Department, 60% of the total cost funded by the District is borne by the residential properties. The balance is borne by the commercial parcels within the District or is considered of general benefit to the community as a whole. Publicly-owned properties do not specifically benefit from graffiti removal. The proportion of publicly-owned properties to other properties in the District is used as a calculation tool to identify a general benefit component.

Equipment O&M — Includes costs to operate and maintain equipment used to maintain and /or service the district improvements.

Equipment Purchases — Purchase of equipment to be used to maintain, service and/or operate the district improvements.

Incidental and Other Costs — Includes the cost of publishing the notice of the public hearing related to the approval of the assessments and the cost of liability insurance.

Streetlight Maintenance — Includes costs necessary to maintain the streetlight improvements.

ADMINISTRATION COSTS:

County Administration Fee — The costs to the District for the County to collect assessments on the property tax bills.

District Engineering/Administration — The cost to all particular departments and staff of the City, for providing the coordination of District services, operations and maintenance, response to public concerns and education, and procedures associated with the levy and collection of assessments. Also includes the costs of contracting with professionals to provide any additional administrative, legal or engineering services specific to the District.

LEVY BREAKDOWN:

Replenishment/(Use) of Reserve — Funding transferred from or to the Zone's Reserve to either offset a portion of the budgeted costs or to replenish the Reserve. The Reserve provides for the collection of funds to operate a Zone from the time period of July 1 (beginning of the Fiscal Year) through January to compensate for the approximate six-month delay between the start of the District's fiscal year and the receipt of the collections from the County. If sufficiently funded, the Reserve can eliminate the need for the City to transfer funds from non-district accounts to pay for district costs during this period.

General Fund (Contribution)/Repayment — The projected General Fund contribution to a Zone when projected Zone expenditures cannot be met by the Zone's annual assessments or available reserves. A negative amount indicates a projected General Fund contribution while a positive amount represents potential funds available for repayment to the General Fund of a previous contribution.

Rounding Adjustment — The necessary rounding adjustment due to limitations of the County property tax system that requires even penny levy amounts to be placed on the secured tax roll.

Balance to Levy — This is the total amount to be levied and collected through assessments for the current fiscal year for each Zone. The balance to levy represents

the sum of total direct and administration costs, together with any applicable adjustments to the budget as described above.

DISTRICT STATISTICS

Charge Per EDU – The proposed assessment rate per EDU.

Net EDUs - The total EDUs of each Zone expected to be subject to the assessment. Excludes Exempt EDUs.

Exempt EDUs – Total EDUs of properties used primarily as places of worship which are to be exempted from this year's assessment.

Maximum Rate per EDU – For each Zone, the maximum rate per EDU is the prior year maximum assessment rate of any Zone not subject to annual rate increases; the maximum rate per EDU in all other Zones is the prior year maximum assessment rate inflated by the annual percentage CPI increase.

Projected Maximum Assessment – Represents each Zone's Net EDUs times the respective maximum assessment rate per EDU. Since this amount is not affected by rounding or other County requirements, this amount may vary slightly from the Balance to Levy.

OPERATING RESERVE

Projected Beginning Reserve Balance - The projected fund balance as of July 1, 2019.

Replenish /(Use) Operating Reserve — A positive amount increases the levy in order to replenish the reserve (or fund anticipated costs) where a negative amount reduces the levy by using the reserves to offset costs.

Transfer from/(to) the Special Projects Reserve — The amount of Operating Reserve monies expected to be transferred to or from the Special Projects Reserve in order to arrive at an operating reserve balance generally sufficient to fund Zone expenses for six months, to the extent that funds are available.

Ending Reserve Balance (est.) - This amount represents the estimated Operating Reserve balance/(deficit) for each Zone as of June 30, 2020. The size of each Zone's Operating Reserve is limited by Streets and Highways Code 22569 which states that an Operating Reserve shall not exceed the estimated costs of maintenance and services from the first day of the fiscal year (July 1) to the date that the Agency expects to receive the first apportionment of collections from the County, which is considered to be December 31, for the purpose of calculating the allowable size of the Operating Reserve.

SPECIAL PROJECTS RESERVE

Beginning Reserve Balance — The Special Projects Beginning Reserve Balance is shown as zero. This Report shows each Zone’s entire beginning reserve as being held in the Operating Reserve.

Replenish /(Use) Special Projects Reserve — This amount is added to the levy to replenish the reserve and / or to fund anticipated needs of a Zone.

Transfer from/(to) the Operating Reserve — The amount of Operating Reserve monies expected to be transferred to or from the Special Projects Reserve.

Ending Reserve Balance (est.) - The projected balance of funds in the Special Projects Reserve as of June 30, 2020. These funds are budgeted for future rehabilitation projects, replacements, restorations, upgrades of District improvements or other improvements described in subdivisions (a) to (d) of Section 22525 of the Act; each Zone’s Special Project Capital Improvement Plan is provided within the Budget Section of this Report. Periodically, funds held in a Special Projects Reserve for these purposes may be needed to respond to the Zone’s changing maintenance needs or other factors. Accordingly, any or all funds held in a Special Projects Reserve are subject to transfer into the same Zone’s Operating Reserve, at the discretion of the Public Works Department, in order to provide for the maintenance and operation of the improvements.

B. Description of Special Benefit

The maintenance of the improvements provides the following special benefits to properties within the District:

- Enhanced desirability of properties within the District.
- Improved aesthetic appeal to properties within the District providing a positive representation of the area.
- Enhanced adaptation of the urban environment within the natural environment from adequate green space and landscaping.
- Environmental enhancement through improved erosion resistance, dust and debris control, and reduced noise and air pollution.
- Reduced personal property loss and reduced vandalism resulting from enhanced surroundings.
- Increased promotion of business and business opportunities resulting from a positive representation of the area.

C. District Budget

Description	Almond Glen	Country Glen	Country Roads	Harvest Manor	Vintage West	Monte Cristo	Monte Cristo II (Briarwood)	Vinewood Estates	Vinewood Estates II (Briarwood)	Kensington Park South (Vineyard Estates)	Bridgeport Village	Davante Villas	Strawberry Fields
Direct Costs													
Landscape O&M	\$1,500	\$500	\$5,000	\$5,000	\$15,000	\$2,000	\$5,000	\$3,000	\$260	\$750	\$10,000	\$10,736	\$350
Park O&M	2,186	1,170	4,376	5,720	8,097	2,617	3,401	3,305	468	0	1,899	0	0
Personnel Services	2,704	916	6,470	4,568	8,756	2,610	6,778	3,401	3,108	3,214	12,242	29,489	824
Maintenance Support	53	18	126	88	196	59	120	50	13	31	259	695	19
Graffiti Removal	35	12	83	58	129	39	79	33	9	20	170	457	12
Equipment O&M	760	258	1,811	1,262	2,807	839	1,713	722	186	438	3,708	9,948	271
Equipment Purchases	1,565	333	4,335	2,627	3,620	1,082	2,210	1,931	240	560	8,782	18,829	350
Incidental & Other Costs	34	12	81	57	125	37	75	32	8	20	161	433	12
Street Light Maintenance	0	0	0	0	0	0	2,354	0	18	800	2,500	4,000	30
Direct Costs (subtotal)	\$8,837	\$3,218	\$22,283	\$19,379	\$38,730	\$9,283	\$21,729	\$12,475	\$4,311	\$5,833	\$39,722	\$74,588	\$1,869
Administration Costs													
County Administration Fee	\$79	\$65	\$120	\$90	\$159	\$72	\$73	\$93	\$55	\$61	\$79	\$104	\$52
District Engineering/Administration	457	155	1,089	758	1,687	524	1,070	434	116	274	2,315	6,211	169
Administration (subtotal)	\$536	\$220	\$1,209	\$848	\$1,846	\$596	\$1,143	\$527	\$171	\$335	\$2,394	\$6,315	\$221
Levy Breakdown													
Total Direct and Admin Costs	\$9,373	\$3,439	\$23,491	\$20,227	\$40,576	\$9,879	\$22,872	\$13,002	\$4,482	\$6,168	\$42,116	\$80,903	\$2,090
Replenishment / (Use) of Reserve	(2,557)	(1,122)	(7,247)	(8,910)	(15,398)	892	(6,907)	(6,527)	(2,746)	(2,084)	(7,564)	11,790	438
General Fund (Contribution)/Repayment						(2,950)							
Rounding Adjustment						(1.18)			(0.19)	(0.49)	(0.90)	(2.77)	(0.07)
Balance to Levy	\$6,815.76	\$2,316.16	\$16,244.00	\$11,317.60	\$25,178.20	\$7,819.52	\$15,965.40	\$6,474.72	\$1,735.50	\$4,083.60	\$34,551.52	\$92,690.46	\$2,528.16
District Statistics													
Charge Per EDU*	\$81.14	\$52.64	\$81.22	\$52.64	\$81.22	\$122.18	\$241.90	\$52.64	\$115.70	\$136.12	\$421.36	\$605.82	\$421.36
Net EDUs	84.00	44.00	200.00	215.00	310.00	64.00	66.00	123.00	15.00	30.00	82.00	153.00	6.00
Exempt EDUs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Levied Parcels	84	44	200	113	310	64	66	123	15	30	82	153	6
Maximum Rate Per EDU	\$81.1400	\$52.6400	\$81.2200	\$52.6400	\$81.2200	\$122.1985	\$241.9000	\$52.6400	\$115.7127	\$136.1364	\$421.3710	\$605.8381	\$421.3710
Projected Maximum Assessment	\$6,816	\$2,316	\$16,244	\$11,318	\$25,178	\$7,821	\$15,965	\$6,475	\$1,736	\$4,084	\$34,552	\$92,693	\$2,528
Operating Reserve													
Projected Beginning Reserve Balance	\$19,054	\$5,312	\$49,538	\$32,912	\$84,682	(\$892)	\$26,472	\$18,894	\$9,456	\$10,870	\$58,601	\$144,420	\$3,661
Replenish / (Use) Operating Reserve	(2,557)	(1,122)	(7,247)	(8,910)	(15,398)	892	(6,907)	(6,527)	(2,746)	(2,084)	(7,564)	11,790	438
Transfer from / (to) Spec Projects Reserve	(12,079)	(2,580)	(31,149)	(14,313)	(49,920)	0	(8,700)	(6,130)	(4,555)	(5,870)	(31,176)	(118,916)	(3,164)
Ending Reserve Balance (est.)	\$4,418	\$1,609	\$11,141	\$9,689	\$19,365	\$0	\$10,865	\$6,237	\$2,155	\$2,917	\$19,861	\$37,294	\$934
Special Projects Reserve													
Beginning Reserve Balance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Replenish / (Use) Spec Projects Reserve													
Transfer from / (to) Operating Reserve	12,079	2,580	31,149	14,313	49,920	0	8,700	6,130	4,555	5,870	31,176	118,916	3,164
Ending Reserve Balance (est.)	\$12,079	\$2,580	\$31,149	\$14,313	\$49,920	\$0	\$8,700	\$6,130	\$4,555	\$5,870	\$31,176	\$118,916	\$3,164

* Rates have been rounded to nearest even penny per Merced County Requirements.

District Budget (Continued)

Description	Sundance (Country Villas 1,2,3)	Sundance IV (Country Villas IV)	Parkside Forecast	Country Lane I (Liberty Square)	Country Lane II (Kishi)	La Tierra (Rancho Estrada)	North Residential	South Residential	Central Residential	North Commercial	Downtown Commercial	South Commercial	Somerset (Sun Valley Estates)
Direct Costs													
Landscape O&M	\$4,000	\$3,000	\$10,000	\$1,500	\$10,000	\$7,000	\$3,000	\$10,000	\$10,000	\$3,500	\$600	\$200	\$12,000
Park O&M	5,882	1,133	0	2,508	13,305	548	8,059	17,736	12,990	1,716	310	127	3,077
Personnel Services	7,480	9,477	13,851	8,231	44,359	22,381	8,333	20,813	11,427	7,945	609	3,541	23,803
Maintenance Support	164	201	294	188	996	388	219	290	196	147	10	4	464
Graffiti Removal	108	132	194	123	655	255	105	191	141	97	7	3	305
Equipment O&M	2,347	2,874	3,217	2,688	14,263	5,555	2,280	4,155	3,073	2,103	144	61	6,637
Equipment Purchases	7,027	5,706	7,436	5,467	28,394	10,164	7,940	7,358	8,963	2,712	186	78	13,559
Incidental & Other Costs	103	125	184	119	622	242	96	184	133	93	7	3	289
Street Light Maintenance	5	1,000	5,000	2,000	13,000	600	0	0	0	0	0	0	1,832
Direct Costs (subtotal)	\$27,115	\$23,648	\$40,176	\$22,825	\$125,594	\$47,133	\$30,032	\$60,728	\$46,924	\$18,314	\$1,873	\$4,017	\$61,965
Administration Costs													
County Administration Fee	\$113	\$84	\$115	\$70	\$105	\$77	\$145	\$265	\$145	\$69	\$66	\$53	\$97
District Engineering/Administration	1,466	1,794	2,632	1,678	8,905	3,468	1,371	2,497	1,847	1,264	87	37	4,144
Administration (subtotal)	\$1,579	\$1,878	\$2,747	\$1,748	\$9,010	\$3,545	\$1,516	\$2,762	\$1,992	\$1,333	\$153	\$90	\$4,241
Levy Breakdown													
Total Direct and Admin Costs	\$28,694	\$25,526	\$42,923	\$24,573	\$134,604	\$50,678	\$31,548	\$63,490	\$48,916	\$19,647	\$2,025	\$4,106	\$66,206
Replenishment / (Use) of Reserve	(6,824)	1,250	(3,648)	475	(1,711)	1,082	(11,095)	(26,228)	(21,350)	(779)	(731)	(3,561)	(4,367)
General Fund (Contribution)/Repayment													
Rounding Adjustment	(3.14)	(0.64)	(3.52)	(0.82)	(1.81)	(0.95)	(0.09)	(0.17)	(0.31)	(0.45)	(0.30)	(0.05)	(1.63)
Balance to Levy	\$21,866.64	\$26,775.88	\$39,271.80	\$25,047.68	\$132,891.08	\$51,759.40	\$20,453.18	\$37,261.32	\$27,565.26	\$18,867.00	\$1,293.62	\$545.02	\$61,837.02
District Statistics													
Charge Per EDU*	\$122.16	\$276.04	\$212.28	\$447.28	\$846.44	\$672.20	\$52.64	\$52.64	\$52.64	\$11.44	\$11.44	\$11.44	\$464.94
Net EDUs	179.00	97.00	185.00	56.00	157.00	77.00	388.55	707.86	523.66	1,649.25	113.11	47.65	133.00
Exempt EDUs	0.00	0.00	0.00	0.00	0.00	0.00	9.60	6.00	66.36	0.00	1.62	2.94	0.00
Total Levied Parcels	179	97	185	56	157	77	272	614	271	55	46	10	133
Maximum Rate Per EDU	\$122.1775	\$276.0466	\$212.2990	\$447.2946	\$846.4516	\$672.2124	\$52.6400	\$52.6400	\$52.6400	\$11.4400	\$11.4400	\$11.4400	\$464.9523
Projected Maximum Assessment	\$21,870	\$26,777	\$39,275	\$25,048	\$132,893	\$51,760	\$20,453	\$37,261	\$27,566	\$18,867	\$1,294	\$545	\$61,839
Operating Reserve													
Projected Beginning Reserve Balance	\$53,979	\$29,519	\$49,223	\$25,076	\$167,020	\$40,412	\$44,264	\$110,742	\$98,048	\$19,599	\$1,742	\$11,962	\$79,010
Replenish / (Use) Operating Reserve	(6,824)	1,250	(3,648)	475	(1,711)	1,082	(11,095)	(26,228)	(21,350)	(779)	(731)	(3,561)	(4,367)
Transfer fm/(to) Spec Projects Reserve	(33,597)	(18,945)	(25,487)	(14,139)	(102,512)	(17,928)	(18,153)	(54,150)	(53,236)	(9,663)	(74)	(6,393)	(43,661)
Ending Reserve Balance (est.)	\$13,558	\$11,824	\$20,088	\$11,412	\$62,797	\$23,566	\$15,016	\$30,364	\$23,462	\$9,157	\$936	\$2,008	\$30,982
Special Projects Reserve													
Beginning Reserve Balance	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Replenish / (Use) Spec Projects Reserve													
Transfer from / (to) Operating Reserve	33,597	18,945	25,487	14,139	102,512	17,928	18,153	54,150	53,236	9,663	74	6,393	43,661
Ending Reserve Balance (est.)	\$33,597	\$18,945	\$25,487	\$14,139	\$102,512	\$17,928	\$18,153	\$54,150	\$53,236	\$9,663	\$74	\$6,393	\$43,661

* Rates have been rounded to nearest even penny per Merced County Requirements.

D. Special Projects Reserve – Capital Improvement Plan

A Capital Improvement Plan for the four fiscal years following the District budget is shown below for each applicable Zone.

Description	Almond Glen	Country Glen	Country Roads	Harvest Manor	Vintage West	Monte Cristo	Monte Cristo II (Briarwood)	Vinewood Estates	Vinewood Estates II (Briarwood)	Kensington Park South (Vineyard Estates)	Bridgeport Village	Davante Villas	Strawberry Fields
FY 2020/21													
Repair, replace, renovate plants, landscaping, irrigation materials	\$4,000		\$6,000	\$3,000	\$8,000			\$1,500	\$2,000	\$1,000	\$5,000	\$14,000	
Water saving landscaping improvements	1,500		2,000	1,000	5,000						2,000	8,000	
Maintenance Equipment	2,000		3,170	2,000	5,000		1,000		1,000	1,000	3,000	8,000	
FY 2021/22													
Repair, replace, renovate plants, landscaping, irrigation materials		1,042	4,900	3,000	6,000		2,000	3,000		1,000	2,000	12,000	1,000
Water saving landscaping improvements			1,000	396	2,000		2,000				3,000	8,000	
Maintenance Equipment	778		1,000	2,000	2,000			1,000			5,000	8,916	953
FY 2022/23													
Repair, replace, renovate plants, landscaping, irrigation materials	1,000		5,000		5,000		1,000		1,000	1,000	1,000	10,000	1,000
Water saving landscaping improvements			1,000	1,917	2,000				555	947	1,000	10,000	211
Maintenance Equipment	1,000	1,538	1,079		2,920		1,000	530			1,000	10,000	
FY 2023/24													
Repair, replace, renovate plants, landscaping, irrigation materials			3,000		5,000		1,000			923	2,000	10,000	
Water saving landscaping improvements			1,000	1,000	2,000		700				3,000	10,000	
Maintenance Equipment	1,801		2,000		5,000			100			3,176	10,000	
Total	\$12,079	\$2,580	\$31,149	\$14,313	\$49,920	\$0	\$8,700	\$6,130	\$4,555	\$5,870	\$31,176	\$118,916	\$3,164

Special Projects Reserve – Capital Improvement Plan (Continued)

Description	Sundance (Country Villas 1,2,3)	Sundance IV (Country Villas IV, Dunmore)	Parkside Forecast	Country Lane I (Liberty Square)	Country Lane II (Kishi)	La Tierra (Rancho Estrada)	North Residential	South Residential	Central Residential	North Commercial	Downtown Commercial	South Commercial	Somerset (Sun Valley)
FY 2020/21													
Repair, replace, renovate plants, landscaping, irrigation materials	\$6,000	\$3,000	\$4,606	\$1,000	\$10,000	\$2,000	\$5,000	\$10,000	\$10,000	\$1,000	\$74	\$1,500	\$8,000
Water saving landscaping improvements	3,000	1,500	2,000	1,000	10,000	2,000		4,000	4,500				12,000
Maintenance Equipment	3,000	1,500	3,000	1,000	10,000	2,000	2,000	6,150	6,000			1,000	7,000
FY 2021/22													
Repair, replace, renovate plants, landscaping, irrigation materials	1,000	1,000	3,000	3,794	10,000		2,000	5,000	5,000	1,000		2,000	2,000
Water saving landscaping improvements	1,000	1,000	1,500	1,000	5,000			2,000	2,000	2,000			2,000
Maintenance Equipment	1,000	1,000	5,000	1,000	15,000		4,145	1,000	1,000				2,000
FY 2022/23													
Repair, replace, renovate plants, landscaping, irrigation materials	2,000	1,988	1,500	1,000	10,000	2,000	2,008	4,000	5,000	1,000		1,000	1,000
Water saving landscaping improvements	2,000	1,000	1,000	1,000	6,000	2,000		2,000	2,000	1,000			2,000
Maintenance Equipment	4,597	957	1,000	1,000	6,000	2,000	1,000	6,000	6,000	1,000		893	2,000
FY 2023/24													
Repair, replace, renovate plants, landscaping, irrigation materials	5,000	2,000	1,500	1,000	8,000	2,000	1,000	7,000	6,000	1,200			2,661
Water saving landscaping improvements	2,000	2,000	500	1,000	5,000	2,000		2,000	2,500	1,000			1,000
Maintenance Equipment	3,000	2,000	881	345	7,512	1,928	1,000	5,000	3,236	463			2,000
Total	\$33,597	\$18,945	\$25,487	\$14,139	\$102,512	\$17,928	\$18,153	\$54,150	\$53,236	\$9,663	\$74	\$6,393	\$43,661

Periodically, funds held in a Special Projects Reserve may be needed to respond to the Zone’s changing maintenance needs or other factors. Accordingly, any or all funds held within a Special Projects Reserve are subject to transfer into the same Zone’s Operating Reserve, at the discretion of the Public Works Department, in order to provide for the maintenance and operation of the improvements.

V. APPENDIX A — DISTRICT BOUNDARY DIAGRAM

The Boundary Diagrams for the District and Zones have been previously submitted to the City in the format required under the Act. They are, by reference, made part of this Report. The boundary diagrams are available for inspection at the office of the City Clerk, during normal business hours.

The identification, lines and dimensions of each parcel within the District are those lines and dimensions shown on the Assessor's Maps of Merced County for the year in which this Report was prepared and are incorporated by reference and made part of this Report.

VI. APPENDIX B — 2019/2020 ASSESSMENT ROLL

Parcel identification, for each lot or parcel within each Zone, shall be the parcel as shown on the County Assessor's map for the year in which this Report is prepared.

The land use classification for each parcel is based on the Merced County Assessor's Roll. A listing of parcels assessed within each Zone, along with the corresponding assessment amount of each, is provided in the following pages.

Non-assessable lots or parcels may include areas of public streets and other roadways (typically not assigned an APN by the County); dedicated public easements, open space areas and rights-of-way including public greenbelts and parkways; utility rights-of-way; common areas; landlocked parcels, small parcels vacated by the County, bifurcated lots, and any other property that cannot be developed. These types of parcels are considered to receive little or no benefit from the improvements and are therefore exempted from assessment. Properties outside the District boundary receive no direct or special benefits from the improvements provided by the District and are not assessed.

Approval of this Report (as submitted or as modified) confirms the method of apportionment and the assessment rate to be levied against each eligible parcel and thereby constitutes the approved levy and collection of assessments for the fiscal year. The parcels and the amount of assessment to be levied shall be submitted to the County Auditor/Controller and included on the property tax roll for the fiscal year.

If any parcel submitted for collection is identified by the County Auditor/Controller to be an invalid parcel number for the current fiscal year, a corrected parcel number and/or new parcel numbers will be identified and resubmitted to the County Auditor/Controller. The assessment amount to be levied and collected for the resubmitted parcel or parcels shall be based on the method of apportionment and assessment rate approved in this Report. Therefore, if a single parcel has changed to multiple parcels, the assessment amount applied to each of the new parcels shall be recalculated and applied according to the approved method of apportionment and assessment rate rather than a proportionate share of the original assessment.

City of Livingston
LMD Zone 1 - Almond Glen
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
023-031-001-000	2035	ASPENGLLEN WAY	1.0	81.14
023-031-002-000	2047	ASPENGLLEN WAY	1.0	81.14
023-031-003-000	2055	ASPENGLLEN WAY	1.0	81.14
023-031-004-000	2065	ASPENGLLEN WAY	1.0	81.14
023-031-005-000	2087	ASPENGLLEN WAY	1.0	81.14
023-031-006-000	2099	ASPENGLLEN WAY	1.0	81.14
023-031-007-000	2111	ASPENGLLEN WAY	1.0	81.14
023-031-008-000	2123	ASPENGLLEN WAY	1.0	81.14
023-032-001-000	925	NARADA WAY	1.0	81.14
023-032-002-000	913	NARADA WAY	1.0	81.14
023-032-003-000	905	NARADA WAY	1.0	81.14
023-032-004-000	2014	ASPENGLLEN WAY	1.0	81.14
023-032-005-000	2024	ASPENGLLEN WAY	1.0	81.14
023-032-006-000	2034	ASPENGLLEN WAY	1.0	81.14
023-032-007-000	2046	ASPENGLLEN WAY	1.0	81.14
023-032-008-000	2054	ASPENGLLEN WAY	1.0	81.14
023-032-009-000	2064	ASPENGLLEN WAY	1.0	81.14
023-032-010-000			1.0	81.14
023-032-011-000	889	WYCLIFFE DR	1.0	81.14
023-032-012-000	879	WYCLIFFE DR	1.0	81.14
023-032-013-000	2065	GLENMOOR PL	1.0	81.14
023-032-014-000	2055	GLENMOOR PL	1.0	81.14
023-032-015-000	2047	GLENMORE PL	1.0	81.14
023-032-016-000	2035	GLENMOOR PL	1.0	81.14
023-032-017-000	2025	GLENMOOR PL	1.0	81.14
023-032-018-000	2015	GLENMOOR PL	1.0	81.14
023-032-019-000	2000	GLENMOOR PL	1.0	81.14
023-032-020-000	2014	GLENMOOR PL	1.0	81.14
023-032-021-000	2024	GLENMOOR PL	1.0	81.14
023-032-022-000	2034	GLENMOOR PL	1.0	81.14
023-032-023-000	2046	GLENMOOR PL	1.0	81.14
023-032-024-000	2054	GLENMOOR PL	1.0	81.14
023-032-025-000	2064	GLENMOOR PL	1.0	81.14
023-032-026-000	865	WYCLIFFE DR	1.0	81.14
023-033-001-000	898	WYCLIFFE DR	1.0	81.14
023-033-002-000	892	WYCLIFFE DR	1.0	81.14
023-033-003-000	880	WYCLIFFE DR	1.0	81.14
023-033-004-000	872	WYCLIFFE DR	1.0	81.14
023-033-005-000	858	WYCLIFFE DR	1.0	81.14
023-041-001-000	853	WYCLIFFE DR	1.0	81.14
023-041-002-000	835	WYCLIFFE DR	1.0	81.14
023-041-003-000	2049	VALLEY OAK WAY	1.0	81.14
023-041-004-000	2039	VALLEY OAK WAY	1.0	81.14
023-041-005-000	2027	VALLEY OAK WAY	1.0	81.14
023-041-006-000	2013	VALLEY OAK WAY	1.0	81.14
023-041-007-000	2005	VALLEY OAK WAY	1.0	81.14
023-041-008-000	837	ALMOND GLEN AVE	1.0	81.14
023-041-009-000	827	ALMOND GLEN AVE	1.0	81.14
023-041-010-000	815	ALMOND GLEN AVE	1.0	81.14
023-041-011-000	801	ALMOND GLEN AVE	1.0	81.14
023-041-012-000	789	ALMOND GLEN AVE	1.0	81.14
023-041-013-000	779	ALMOND GLEN AVE	1.0	81.14
023-041-014-000	767	ALMOND GLEN AVE	1.0	81.14
023-041-015-000	755	ALMOND GLEN AVE	1.0	81.14
023-041-016-000	741	ALMOND GLEN AVE	1.0	81.14
023-041-017-000	731	ALMOND GLEN AVE	1.0	81.14
023-041-018-000	719	ALMOND GLEN AVE	1.0	81.14
023-041-019-000	705	ALMOND GLEN AVE	1.0	81.14
023-042-001-000	846	WYCLIFFE DR	1.0	81.14
023-042-002-000	828	WYCLIFFE DR	1.0	81.14
023-042-003-000	2094	VALLEY OAK WAY	1.0	81.14
023-042-004-000	2086	VALLEY OAK WAY	1.0	81.14

**City of Livingston
LMD Zone 1 - Almond Glen
Fiscal Year 2019/20 Preliminary Assessment Roll**

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
023-042-005-000	2074	VALLEY OAK WAY	1.0	81.14
023-042-006-000	2060	VALLEY OAK WAY	1.0	81.14
023-042-007-000	2050	VALLEY OAK WAY	1.0	81.14
023-042-008-000	2040	VALLEY OAK WAY	1.0	81.14
023-042-009-000	2030	VALLEY OAK WAY	1.0	81.14
023-042-010-000	2016	VALLEY OAK WAY	1.0	81.14
023-042-011-000	2015	PAJARO CT	1.0	81.14
023-042-012-000	2029	PAJARO CT	1.0	81.14
023-042-013-000	2045	PAJARO CT	1.0	81.14
023-042-014-000	2049	PAJARO CT	1.0	81.14
023-042-015-000	2050	PAJARO CT	1.0	81.14
023-042-016-000	2046	PAJARO CT	1.0	81.14
023-042-017-000	2030	PAJARO CT	1.0	81.14
023-042-018-000	2016	PAJARO CT	1.0	81.14
023-042-019-000	2015	LOMA VISTA CT	1.0	81.14
023-042-020-000	2029	LOMA VISTA CT	1.0	81.14
023-042-021-000	2045	LOMA VISTA CT	1.0	81.14
023-042-022-000	2049	LOMA VISTA CT	1.0	81.14
023-042-023-000	2050	LOMA VISTA CT	1.0	81.14
023-042-024-000	2046	LOMA VISTA CT	1.0	81.14
023-042-025-000	2030	LOMA VISTA CT	1.0	81.14
023-042-026-000	2016	LOMA VISTA CT	1.0	81.14

Summary Fields	Value
Number of Parcels to be Levied	84
Total EDUs	84.00
Total Charges	\$6,815.76

City of Livingston
LMD Zone 2 - Country Glen
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
022-062-001-000	337	PARADISE DR	1.0	52.64
022-062-002-000	349	PARADISE DR	1.0	52.64
022-062-003-000	361	PARADISE DR	1.0	52.64
022-062-004-000	373	PARADISE DR	1.0	52.64
022-063-001-000	915	HILLTOP AVE	1.0	52.64
022-063-002-000	931	HILLTOP AVE	1.0	52.64
022-063-003-000	947	HILLTOP AVE	1.0	52.64
022-063-004-000	963	HILLTOP AVE	1.0	52.64
022-063-005-000	979	HILLTOP AVE	1.0	52.64
022-063-006-000	995	HILLTOP AVE	1.0	52.64
022-067-026-000	996	HILLTOP AVE	1.0	52.64
022-067-027-000	980	HILLTOP AVE	1.0	52.64
022-067-028-000	964	HILLTOP AVE	1.0	52.64
022-067-029-000	948	HILLTOP AVE	1.0	52.64
022-067-030-000	932	HILLTOP AVE	1.0	52.64
022-067-031-000	916	HILLTOP DR	1.0	52.64
022-071-001-000	988	AUBURN CT	1.0	52.64
022-071-002-000	976	AUBURN CT	1.0	52.64
022-071-003-000	968	AUBURN CT	1.0	52.64
022-071-004-000	960	AUBURN CT	1.0	52.64
022-071-005-000	948	AUBURN CT	1.0	52.64
022-071-006-000	936	AUBURN CT	1.0	52.64
022-071-007-000	928	AUBURN CT	1.0	52.64
022-071-008-000	920	AUBURN CT	1.0	52.64
022-071-009-000	912	AUBURN CT	1.0	52.64
022-071-011-000	915	AUBURN CT	1.0	52.64
022-071-012-000	925	AUBURN CT	1.0	52.64
022-071-013-000	933	AUBURN CT	1.0	52.64
022-071-014-000	414	PARADISE CT	1.0	52.64
022-071-015-000	426	PARADISE CT	1.0	52.64
022-071-016-000	440	PARADISE CT	1.0	52.64
022-071-017-000	452	PARADISE CT	1.0	52.64
022-071-018-000	466	PARADISE CT	1.0	52.64
022-071-019-000	482	PARADISE CT	1.0	52.64
022-071-020-000	498	PARADISE CT	1.0	52.64
022-071-021-000	499	PARADISE CT	1.0	52.64
022-071-022-000	483	PARADISE CT	1.0	52.64
022-071-023-000	467	PARADISE CT	1.0	52.64
022-071-024-000	453	PARADISE CT	1.0	52.64
022-071-025-000	441	PARADISE CT	1.0	52.64
022-071-026-000	427	PARADISE CT	1.0	52.64
022-071-027-000	415	PARADISE CT	1.0	52.64
022-072-001-000	385	PARADISE DR	1.0	52.64
022-072-002-000	399	PARADISE DR	1.0	52.64

Summary Fields	Value
Number of Parcels to be Levied	44
Total EDUs	44.00
Total Charges	\$2,316.16

City of Livingston
LMD Zone 3 - Country Roads
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
143-271-001-000	828	DWIGHT WAY	1.0	81.22
143-271-002-000	824	MAPLE AVE	1.0	81.22
143-271-003-000	812	MAPLE AVE	1.0	81.22
143-271-004-000	800	MAPLE AVE	1.0	81.22
143-271-005-000	788	MAPLE AVE	1.0	81.22
143-271-006-000	776	MAPLE AVE	1.0	81.22
143-271-007-000	780	DWIGHT WAY	1.0	81.22
143-271-008-000	792	DWIGHT WAY	1.0	81.22
143-271-009-000	804	DWIGHT WAY	1.0	81.22
143-271-010-000	816	DWIGHT WAY	1.0	81.22
143-272-001-000	708	DWIGHT WAY	1.0	81.22
143-272-002-000	720	DWIGHT WAY	1.0	81.22
143-272-003-000	732	DWIGHT WAY	1.0	81.22
143-272-004-000	744	DWIGHT WAY	1.0	81.22
143-272-005-000	756	DWIGHT WAY	1.0	81.22
143-272-006-000	768	DWIGHT WAY	1.0	81.22
143-272-007-000	764	MAPLE AVE	1.0	81.22
143-272-008-000	752	MAPLE AVE	1.0	81.22
143-272-009-000	740	MAPLE AVE	1.0	81.22
143-272-010-000	726	MAPLE AVE	1.0	81.22
143-272-011-000	712	MAPLE AVE	1.0	81.22
143-272-012-000	2832	ELM ST	1.0	81.22
143-272-013-000	2836	ELM ST	1.0	81.22
143-272-014-000	2842	ELM ST	1.0	81.22
143-272-015-000	2850	ELM ST	1.0	81.22
143-272-016-000	2858	ELM ST	1.0	81.22
143-272-017-000	2866	ELM ST	1.0	81.22
143-272-018-000	2872	ELM ST	1.0	81.22
143-272-019-000	2880	ELM ST	1.0	81.22
143-272-020-000	2886	ELM ST	1.0	81.22
143-272-021-000	2890	ELM ST	1.0	81.22
143-272-022-000	2896	ELM ST	1.0	81.22
143-273-001-000	817	MAPLE AVE	1.0	81.22
143-273-002-000	805	MAPLE AVE	1.0	81.22
143-273-003-000	793	MAPLE AVE	1.0	81.22
143-273-004-000	781	MAPLE AVE	1.0	81.22
143-273-005-000	769	MAPLE AVE	1.0	81.22
143-273-006-000	757	MAPLE AVE	1.0	81.22
143-273-007-000	2837	ELM ST	1.0	81.22
143-273-008-000	2843	ELM ST	1.0	81.22
143-273-009-000	2851	ELM ST	1.0	81.22
143-273-010-000	2859	ELM ST	1.0	81.22
143-273-011-000	2865	ELM ST	1.0	81.22
143-273-012-000	2871	ELM ST	1.0	81.22
143-273-013-000	2879	ELM ST	1.0	81.22
143-273-014-000	2885	ELM ST	1.0	81.22
143-273-015-000	2889	ELM ST	1.0	81.22
143-273-016-000	2897	ELM ST	1.0	81.22
143-273-017-000	2894	BIRCH ST	1.0	81.22
143-273-018-000	2892	BIRCH ST	1.0	81.22
143-273-019-000	2888	BIRCH ST	1.0	81.22
143-273-020-000	2882	BIRCH ST	1.0	81.22
143-273-021-000	2874	BIRCH ST	1.0	81.22
143-273-022-000	2868	BIRCH ST	1.0	81.22
143-273-023-000	2860	BIRCH ST	1.0	81.22
143-273-024-000	763	ALDER ST	1.0	81.22
143-273-025-000	775	ALDER ST	1.0	81.22
143-273-026-000	787	ALDER ST	1.0	81.22
143-273-027-000	799	ALDER WAY	1.0	81.22
143-273-028-000	2850	BLACK PINE WAY	1.0	81.22
143-274-001-000	2867	BIRCH ST	1.0	81.22
143-274-002-000	2873	BIRCH ST	1.0	81.22

City of Livingston
LMD Zone 3 - Country Roads
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
143-274-003-000	2881	BIRCH ST	1.0	81.22
143-274-004-000	2887	BIRCH ST	1.0	81.22
143-274-005-000	2891	BIRCH ST	1.0	81.22
143-274-006-000	2895	BIRCH ST	1.0	81.22
143-274-007-000	2899	BIRCH ST	1.0	81.22
143-274-008-000	2901	BIRCH ST	1.0	81.22
143-274-009-000	2915	BIRCH ST	1.0	81.22
143-274-010-000	785	CEDAR LN	1.0	81.22
143-274-011-000	795	CEDAR LN	1.0	81.22
143-274-012-000	801	CEDAR LN	1.0	81.22
143-274-013-000	2914	BLACK PINE WAY	1.0	81.22
143-274-014-000	2900	BLACK PINE WAY	1.0	81.22
143-274-015-000	2898	BLACK PINE WAY	1.0	81.22
143-274-016-000	2894	BLACK PINE WAY	1.0	81.22
143-274-017-000	2892	BLACK PINE WAY	1.0	81.22
143-274-018-000	2888	BLACK PINE WAY	1.0	81.22
143-274-019-000	2882	BLACK PINE WAY	1.0	81.22
143-274-020-000	2874	BLACK PINE WAY	1.0	81.22
143-274-021-000	800	ALDER WAY	1.0	81.22
143-275-001-000	700	SYCAMORE ST	1.0	81.22
143-275-002-000	710	SYCAMORE ST	1.0	81.22
143-275-003-000	724	SYCAMORE ST	1.0	81.22
143-275-004-000	746	SYCAMORE ST	1.0	81.22
143-275-005-000	760	SYCAMORE ST	1.0	81.22
143-275-006-000	768	SYCAMORE ST	1.0	81.22
143-275-007-000	771	CEDAR CT	1.0	81.22
143-275-008-000	761	CEDAR CT	1.0	81.22
143-275-009-000	747	CEDAR CT	1.0	81.22
143-275-010-000	729	CEDAR CT	1.0	81.22
143-275-011-000	709	CEDAR CT	1.0	81.22
143-275-012-000	702	CEDAR CT	1.0	81.22
143-275-013-000	712	CEDAR CT	1.0	81.22
143-275-014-000	722	CEDAR CT	1.0	81.22
143-275-015-000	734	CEDAR CT	1.0	81.22
143-275-016-000	742	CEDAR CT	1.0	81.22
143-275-017-000	758	CEDAR CT	1.0	81.22
143-275-018-000	770	CEDAR CT	1.0	81.22
143-275-019-000	776	CEDAR ST	1.0	81.22
143-275-020-000	788	CEDAR ST	1.0	81.22
143-275-021-000	794	CEDAR LN	1.0	81.22
143-275-022-000	800	CEDAR LN	1.0	81.22
143-275-023-000	806	CEDAR LN	1.0	81.22
143-281-002-000	924	DWIGHT WAY	1.0	81.22
143-281-003-000	912	DWIGHT WAY	1.0	81.22
143-281-005-000	888	DWIGHT WAY	1.0	81.22
143-281-006-000	876	DWIGHT WAY	1.0	81.22
143-281-007-000	864	DWIGHT WAY	1.0	81.22
143-281-008-000	852	DWIGHT WAY	1.0	81.22
143-281-009-000	840	DWIGHT WAY	1.0	81.22
143-281-010-000	836	MAPLE CT	1.0	81.22
143-281-011-000	848	MAPLE CT	1.0	81.22
143-281-012-000	860	MAPLE CT	1.0	81.22
143-281-013-000	872	MAPLE CT	1.0	81.22
143-281-014-000	884	MAPLE CT	1.0	81.22
143-281-015-000	896	MAPLE CT	1.0	81.22
143-281-016-000	908	MAPLE CT	1.0	81.22
143-281-017-000	920	MAPLE CT	1.0	81.22
143-281-018-000	913	MAPLE CT	1.0	81.22
143-281-019-000	901	MAPLE CT	1.0	81.22
143-281-020-000	889	MAPLE CT	1.0	81.22
143-281-021-000	877	MAPLE CT	1.0	81.22
143-281-022-000	865	MAPLE CT	1.0	81.22

City of Livingston
LMD Zone 3 - Country Roads
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
143-281-023-000	853	MAPLE CT	1.0	81.22
143-281-024-000	841	MAPLE CT	1.0	81.22
143-281-025-000	2843	BLACK PINE WAY	1.0	81.22
143-281-026-000	2851	BLACK PINE WAY	1.0	81.22
143-281-027-000	2859	BLACK PINE WAY	1.0	81.22
143-281-028-000	2865	BLACK PINE WAY	1.0	81.22
143-281-029-000	2871	BLACK PINE WAY	1.0	81.22
143-281-030-000	2885	BLACK PINE WAY	1.0	81.22
143-281-031-000	2895	BLACK PINE WAY	1.0	81.22
143-281-032-000	2899	BLACK PINE WAY	1.0	81.22
143-281-033-000	801	ZELKOVA WAY	1.0	81.22
143-281-034-000	817	ZELKOVA WAY	1.0	81.22
143-281-035-000	2892	AMBER CT	1.0	81.22
143-281-036-000	2888	AMBER CT	1.0	81.22
143-281-037-000	2882	AMBER CT	1.0	81.22
143-281-038-000	2874	AMBER CT	1.0	81.22
143-281-039-000	2868	AMBER CT	1.0	81.22
143-281-040-000	2864	AMBER CT	1.0	81.22
143-281-041-000	2858	AMBER CT	1.0	81.22
143-281-042-000	2859	AMBER CT	1.0	81.22
143-281-043-000	2869	AMBER CT	1.0	81.22
143-281-044-000	2865	AMBER CT	1.0	81.22
143-281-045-000	2867	AMBER CT	1.0	81.22
143-281-046-000	2873	AMBER CT	1.0	81.22
143-281-047-000	2881	AMBER CT	1.0	81.22
143-281-048-000	2887	AMBER CT	1.0	81.22
143-281-049-000	2891	AMBER CT	1.0	81.22
143-281-050-000	827	ZELKOVA WAY	1.0	81.22
143-281-051-000	2906	EVERGREEN CT	1.0	81.22
143-281-052-000	2900	EVERGREEN CT	1.0	81.22
143-281-053-000	2894	EVERGREEN CT	1.0	81.22
143-281-054-000	2882	EVERGREEN CT	1.0	81.22
143-281-055-000	2876	EVERGREEN CT	1.0	81.22
143-281-056-000	2870	EVERGREEN CT	1.0	81.22
143-281-057-000	2864	EVERGREEN CT	1.0	81.22
143-281-058-000	2858	EVERGREEN CT	1.0	81.22
143-281-059-000	2859	EVERGREEN CT	1.0	81.22
143-281-060-000	2865	EVERGREEN CT	1.0	81.22
143-281-061-000			1.0	81.22
143-281-062-000	2877	EVERGREEN CT	1.0	81.22
143-281-063-000	2881	EVERGREEN CT	1.0	81.22
143-281-064-000	2887	EVERGREEN CT	1.0	81.22
143-281-065-000	2895	EVERGREEN CT	1.0	81.22
143-281-066-000	2901	EVERGREEN CT	1.0	81.22
143-281-067-000			1.0	81.22
143-281-068-000	2913	EVERGREEN WAY	1.0	81.22
143-281-069-000	2919	EVERGREEN WAY	1.0	81.22
143-281-070-000	2925	EVERGREEN CT	1.0	81.22
143-281-071-000	2931	EVERGREEN WAY	1.0	81.22
143-281-072-000	2937	EVERGREEN WAY	1.0	81.22
143-281-073-000	2943	EVERGREEN CT	1.0	81.22
143-281-074-000	866	CEDAR LN	1.0	81.22
143-281-075-000	860	CEDAR LN	1.0	81.22
143-281-076-000	854	CEDAR LN	1.0	81.22
143-281-077-000	848	CEDAR LN	1.0	81.22
143-281-078-000	842	CEDAR LN	1.0	81.22
143-281-079-000	836	CEDAR LN	1.0	81.22
143-281-080-000	830	CEDAR LN	1.0	81.22
143-281-081-000	824	CEDAR LN	1.0	81.22
143-281-082-000	818	CEDAR LN	1.0	81.22
143-281-083-000	812	CEDAR LN	1.0	81.22
143-282-001-000	828	ZELKOVA WAY	1.0	81.22

City of Livingston
LMD Zone 3 - Country Roads
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
143-282-002-000	824	ZELKOVA WAY	1.0	81.22
143-282-003-000	816	ZELKOVA WAY	1.0	81.22
143-282-004-000	812	ZELKOVA WAY	1.0	81.22
143-282-005-000	800	ZELKOVA WAY	1.0	81.22
143-282-006-000	2901	BLACK PINE WAY	1.0	81.22
143-282-007-000	817	CEDAR LN	1.0	81.22
143-282-008-000	827	CEDAR LN	1.0	81.22
143-282-009-000	833	CEDAR LN	1.0	81.22
143-282-010-000	839	CEDAR LN	1.0	81.22
143-282-011-000	845	CEDAR LN	1.0	81.22
143-282-012-000	851	CEDAR LN	1.0	81.22
143-282-013-000	857	CEDAR LN	1.0	81.22
143-282-014-000	840	ZELKOVA WAY	1.0	81.22
143-282-015-000	834	ZELKOVA WAY	1.0	81.22

Summary Fields	Value
Number of Parcels to be Levied	200
Total EDUs	200.00
Total Charges	\$16,244.00

City of Livingston
LMD Zone 4 - Harvest Manor
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
024-370-001-000	1410	HARVEST AVE	35.0	1,842.40
024-370-002-000	1069	ORCHARD WAY	1.0	52.64
024-370-003-000	1053	ORCHARD WAY	1.0	52.64
024-370-004-000	1037	ORCHARD WAY	1.0	52.64
024-370-005-000	1021	ORCHARD WAY	1.0	52.64
024-370-006-000	1007	ORCHARD WAY	1.0	52.64
024-370-007-000	1485	NUT TREE RD	1.0	52.64
024-370-008-000	1467	NUT TREE RD	1.0	52.64
024-370-009-000	1068	ORCHARD WAY	1.0	52.64
024-370-010-000	1058	ORCHARD WAY	1.0	52.64
024-370-011-000	1044	ORCHARD WAY	1.0	52.64
024-370-012-000	1030	ORCHARD WAY	1.0	52.64
024-370-013-000	1016	ORCHARD WAY	1.0	52.64
024-370-014-000	1000	ORCHARD WAY	1.0	52.64
024-370-015-000	986	ORCHARD WAY	1.0	52.64
024-370-016-000	972	ORCHARD WAY	1.0	52.64
024-370-017-000	1518	NUT TREE RD	1.0	52.64
024-370-018-000	1504	NUT TREE RD	1.0	52.64
024-370-019-000	1488	NUT TREE RD	1.0	52.64
024-370-020-000	1472	NUT TREE RD	1.0	52.64
024-370-021-000	1458	NUT TREE RD	1.0	52.64
024-370-022-000	1446	NUT TREE RD	1.0	52.64
024-370-023-000	1430	NUT TREE RD	1.0	52.64
024-370-024-000	1418	NUT TREE RD	1.0	52.64
024-370-025-000	1408	NUT TREE RD	1.0	52.64
024-370-031-000	957	ORCHARD WAY	1.0	52.64
024-370-032-000	943	ORCHARD WAY	1.0	52.64
024-370-033-000	929	ORCHARD WAY	1.0	52.64
024-370-034-000	1512	GRAPEVINE DR	1.0	52.64
024-370-035-000	1524	GRAPEVINE DR	1.0	52.64
024-370-036-000	1538	GRAPEVINE DR	1.0	52.64
024-370-037-000	1552	GRAPEVINE DR	1.0	52.64
024-370-038-000	1566	GRAPEVINE DR	1.0	52.64
024-370-040-000	1594	GRAPEVINE DR	1.0	52.64
024-370-041-000	1610	GRAPEVINE DR	1.0	52.64
024-370-042-000	1624	GRAPEVINE DR	1.0	52.64
024-370-043-000	1638	GRAPEVINE DR	1.0	52.64
024-370-044-000	1652	GRAPEVINE DR	1.0	52.64
024-370-045-000	944	OLDS AVE	1.0	52.64
024-370-046-000	950	OLDS AVE	1.0	52.64
024-370-047-000	1625	GRAPEVINE DR	1.0	52.64
024-370-048-000	1611	GRAPEVINE DR	1.0	52.64
024-370-049-000	1597	GRAPEVINE DR	1.0	52.64
024-370-051-000	1569	GRAPEVINE DR	1.0	52.64
024-370-052-000	1555	GRAPEVINE DR	1.0	52.64
024-370-053-000	1541	GRAPEVINE DR	1.0	52.64
024-370-054-000	958	ORCHARD WAY	1.0	52.64
024-370-057-000	1071	FRUITBASKET LN	1.0	52.64
024-370-058-000	1057	FRUITBASKET LN	1.0	52.64
024-370-059-000	1043	FRUITBASKET LN	1.0	52.64
024-370-060-000	1029	FRUITBASKET LN	1.0	52.64
024-370-061-000	1015	FRUITBASKET LN	1.0	52.64
024-370-062-000	1001	FRUITBASKET LN	1.0	52.64
024-370-063-000	987	FRUITBASKET LN	1.0	52.64
024-370-064-000	971	FRUITBASKET LN	1.0	52.64
024-370-066-000	970	FRUITBASKET LN	1.0	52.64
024-370-067-000	988	FRUITBASKET LN	1.0	52.64
024-370-068-000	1002	FRUITBASKET LN	1.0	52.64
024-370-069-000	1016	FRUITBASKET LN	1.0	52.64
024-370-070-000	1030	FRUITBASKET LN	1.0	52.64
024-370-071-000	1044	FRUITBASKET LN	1.0	52.64
024-370-072-000	1058	FRUITBASKET LN	1.0	52.64

City of Livingston
LMD Zone 4 - Harvest Manor
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ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
024-370-073-000	1070	FRUITBASKET LN	1.0	52.64
024-370-074-000	1069	OLDS AVE	1.0	52.64
024-370-075-000	1055	OLDS AVE	1.0	52.64
024-370-076-000	1041	OLDS AVE	1.0	52.64
024-370-077-000	1027	OLDS AVE	1.0	52.64
024-370-078-000	1013	OLDS AVE	1.0	52.64
024-370-079-000	997	OLDS AVE	1.0	52.64
024-370-080-000	985	OLDS AVE	1.0	52.64
024-370-081-000	973	OLDS AVE	1.0	52.64
024-370-082-000	961	OLDS AVE	1.0	52.64
024-370-083-000	1072	OLDS AVE	1.0	52.64
024-370-084-000	1060	OLDS AVE	1.0	52.64
024-370-085-000	1046	OLDS AVE	1.0	52.64
024-370-086-000	1032	OLDS AVE	1.0	52.64
024-370-087-000	1018	OLDS AVE	1.0	52.64
024-370-088-000	1004	OLDS AVE	1.0	52.64
024-370-089-000	990	OLDS AVE	1.0	52.64
024-370-090-000	976	OLDS AVE	1.0	52.64
024-370-091-000	964	OLDS AVE	1.0	52.64
024-370-093-000	966	FRUITBASKET LN	1.0	52.64
024-370-094-000	1583	GRAPEVINE DR	1.0	52.64
024-370-095-000	1580	GRAPEVINE DR	1.0	52.64
024-380-001-000	1633	CITRUS CT	1.0	52.64
024-380-002-000	1619	CITRUS CT	1.0	52.64
024-380-003-000	1603	CITRUS CT	1.0	52.64
024-380-004-000	1588	CITRUS CT	1.0	52.64
024-380-005-000	1602	CITRUS CT	1.0	52.64
024-380-006-000	1618	CITRUS CT	1.0	52.64
024-380-007-000	1630	CITRUS CT	1.0	52.64
024-380-008-000	1631	HARVEST AVE	1.0	52.64
024-380-009-000	1617	HARVEST AVE	1.0	52.64
024-380-010-000	1601	HARVEST AVE	1.0	52.64
024-380-011-000	1587	HARVEST AVE	1.0	52.64
024-380-013-000	1172	OLDS AVE	1.0	52.64
024-380-014-000	1158	OLDS AVE	1.0	52.64
024-380-015-000	1144	OLDS AVE	1.0	52.64
024-380-016-000	1130	OLDS AVE	1.0	52.64
024-380-017-000	1114	OLDS AVE	1.0	52.64
024-380-018-000	1100	OLDS AVE	1.0	52.64
024-380-019-000	1086	OLDS AVE	1.0	52.64
024-380-020-000	1164	OLIVE AVE	69.0	3,632.16
024-380-021-000	1573	HARVEST AVE	1.0	52.64
024-380-022-000	1559	HARVEST AVE	1.0	52.64
024-380-023-000	1547	HARVEST AVE	1.0	52.64
024-380-024-000	1535	HARVEST AVE	1.0	52.64
024-380-025-000	1523	HARVEST AVE	1.0	52.64
024-380-026-000	1511	HARVEST AVE	1.0	52.64
024-380-027-000	1499	HARVEST AVE	1.0	52.64
024-380-028-000	1487	HARVEST AVE	1.0	52.64
024-380-029-000	1473	HARVEST AVE	1.0	52.64
024-380-030-000	1461	HARVEST AVE	1.0	52.64

Summary Fields	Value
Number of Parcels to be Levied	113
Total EDUs	215.00
Total Charges	\$11,317.60

City of Livingston
LMD Zone 5 - Vinewood Estates
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
022-030-002-000	611	RAVENSWOOD DR	1.0	52.64
022-030-003-000	629	RAVENSWOOD DR	1.0	52.64
022-030-004-000	647	RAVENSWOOD DR	1.0	52.64
022-030-005-000	665	RAVENSWOOD DR	1.0	52.64
022-030-006-000	683	RAVENSWOOD DR	1.0	52.64
022-030-007-000	707	RAVENSWOOD DR	1.0	52.64
022-030-008-000	713	RAVENSWOOD DR	1.0	52.64
022-030-009-000	719	RAVENSWOOD DR	1.0	52.64
022-030-010-000	725	RAVENSWOOD DR	1.0	52.64
022-030-011-000	731	RAVENSWOOD DR	1.0	52.64
022-030-012-000	712	RAVENSWOOD DR	1.0	52.64
022-030-013-000	664	RAVENSWOOD DR	1.0	52.64
022-030-014-000	646	RAVENSWOOD DR	1.0	52.64
022-030-015-000	628	RAVENSWOOD DR	1.0	52.64
022-030-016-000	610	RAVENSWOOD DR	1.0	52.64
022-030-017-000	611	ALMONDWOOD DR	1.0	52.64
022-030-018-000	629	ALMONDWOOD DR	1.0	52.64
022-030-019-000	647	ALMONDWOOD DR	1.0	52.64
022-030-020-000	665	ALMONDWOOD DR	1.0	52.64
022-030-021-000	680	CHERRYWOOD WAY	1.0	52.64
022-030-022-000	625	BRIARWOOD DR	1.0	52.64
022-030-023-000	624	BRIARWOOD DR	1.0	52.64
022-030-024-000	720	CHERRYWOOD CT	1.0	52.64
022-030-025-000	732	CHERRYWOOD CT	1.0	52.64
022-030-026-000	744	CHERRYWOOD CT	1.0	52.64
022-030-027-000	756	CHERRYWOOD CT	1.0	52.64
022-030-028-000	757	CHERRYWOOD CT	1.0	52.64
022-030-029-000	745	CHERRYWOOD CT	1.0	52.64
022-030-030-000	733	CHERRYWOOD CT	1.0	52.64
022-030-031-000	721	CHERRYWOOD CT	1.0	52.64
022-030-032-000	576	BRIARWOOD DR	1.0	52.64
022-030-033-000	550	BRIARWOOD DR	1.0	52.64
022-041-001-000	737	RAVENSWOOD DR	1.0	52.64
022-041-002-000	743	RAVENSWOOD DR	1.0	52.64
022-041-003-000	749	RAVENSWOOD DR	1.0	52.64
022-041-004-000	755	RAVENSWOOD DR	1.0	52.64
022-041-005-000	761	RAVENSWOOD DR	1.0	52.64
022-041-006-000	767	RAVENSWOOD DR	1.0	52.64
022-041-007-000	773	RAVENSWOOD DR	1.0	52.64
022-041-008-000	779	RAVENSWOOD DR	1.0	52.64
022-041-009-000	556	ELMWOOD WAY	1.0	52.64
022-041-010-000	568	ELMWOOD WAY	1.0	52.64
022-041-011-000	580	ELMWOOD WAY	1.0	52.64
022-041-012-000	592	ELMWOOD WAY	1.0	52.64
022-041-013-000	593	F ST	1.0	52.64
022-041-014-000	581	F ST	1.0	52.64
022-041-015-000	569	F ST	1.0	52.64
022-041-016-000	557	F ST	1.0	52.64
022-042-001-000	718	RAVENSWOOD DR	1.0	52.64
022-042-002-000	724	RAVENSWOOD DR	1.0	52.64
022-042-003-000	730	RAVENSWOOD DR	1.0	52.64
022-042-004-000	736	RAVENSWOOD DR	1.0	52.64
022-042-005-000	742	RAVENSWOOD DR	1.0	52.64
022-042-006-000	748	RAVENSWOOD DR	1.0	52.64
022-042-007-000	754	RAVENSWOOD DR	1.0	52.64
022-042-008-000	581	ELMWOOD WAY	1.0	52.64
022-042-009-000	593	ELMWOOD WAY	1.0	52.64
022-042-010-000	731	ALMONDWOOD DR	1.0	52.64
022-042-011-000	725	ALMONDWOOD DR	1.0	52.64
022-042-012-000	719	ALMONDWOOD DR	1.0	52.64
022-042-013-000	713	ALMONDWOOD DR	1.0	52.64
022-042-014-000	707	ALMONDWOOD DR	1.0	52.64

City of Livingston
LMD Zone 5 - Vinewood Estates
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
022-043-001-000	657	OAKWOOD WAY	1.0	52.64
022-043-002-000	669	OAKWOOD WAY	1.0	52.64
022-043-003-000	681	OAKWOOD WAY	1.0	52.64
022-043-004-000	675	BRIARWOOD DR	1.0	52.64
022-043-005-000	651	BRIARWOOD DR	1.0	52.64
022-044-001-000	724	ALMONDWOOD DR	1.0	52.64
022-044-002-000	750	ALMONDWOOD DR	1.0	52.64
022-044-003-000	632	OAKWOOD WAY	1.0	52.64
022-044-004-000	644	OAKWOOD WAY	1.0	52.64
022-044-005-000	656	OAKWOOD WAY	1.0	52.64
022-044-006-000	668	OAKWOOD WAY	1.0	52.64
022-044-007-000	680	OAKWOOD WAY	1.0	52.64
022-044-008-000	692	OAKWOOD WAY	1.0	52.64
022-044-009-000	693	ELMWOOD WAY	1.0	52.64
022-044-010-000	681	ELMWOOD WAY	1.0	52.64
022-044-011-000	669	ELMWOOD WAY	1.0	52.64
022-044-012-000	657	ELMWOOD WAY	1.0	52.64
022-044-013-000	645	ELMWOOD WAY	1.0	52.64
022-044-014-000	633	ELMWOOD WAY	1.0	52.64
022-044-015-000	621	ELMWOOD WAY	1.0	52.64
022-044-016-000	609	ELMWOOD WAY	1.0	52.64
022-045-001-000	608	ELMWOOD WAY	1.0	52.64
022-045-002-000	620	ELMWOOD WAY	1.0	52.64
022-045-003-000	632	ELMWOOD WAY	1.0	52.64
022-045-004-000	644	ELMWOOD WAY	1.0	52.64
022-045-005-000	656	ELMWOOD WAY	1.0	52.64
022-045-006-000	668	ELMWOOD WAY	1.0	52.64
022-045-007-000	680	ELMWOOD WAY	1.0	52.64
022-045-008-000	692	ELMWOOD WAY	1.0	52.64
022-045-009-000	693	F ST	1.0	52.64
022-045-010-000	681	F ST	1.0	52.64
022-045-011-000	669	F ST	1.0	52.64
022-045-012-000	657	F ST	1.0	52.64
022-045-013-000	645	F ST	1.0	52.64
022-045-014-000	633	F ST	1.0	52.64
022-045-015-000	621	F ST	1.0	52.64
022-045-016-000	609	F ST	1.0	52.64
022-046-001-000	650	BRIARWOOD DR	1.0	52.64
022-046-002-000	676	BRIARWOOD DR	1.0	52.64
022-046-003-000	721	OAKWOOD CT	1.0	52.64
022-046-004-000	733	OAKWOOD CT	1.0	52.64
022-046-005-000	745	OAKWOOD CT	1.0	52.64
022-046-006-000	757	OAKWOOD CT	1.0	52.64
022-046-007-000	756	OAKWOOD CT	1.0	52.64
022-046-008-000	744	OAKWOOD CT	1.0	52.64
022-046-009-000	732	OAKWOOD CT	1.0	52.64
022-046-010-000	720	OAKWOOD CT	1.0	52.64
022-046-011-000	724	BRIARWOOD DR	1.0	52.64
022-046-012-000	750	BRIARWOOD DR	1.0	52.64
022-046-013-000	776	BRIARWOOD DR	1.0	52.64
022-046-014-000	721	ELMWOOD CT	1.0	52.64
022-046-015-000	733	ELMWOOD CT	1.0	52.64
022-046-016-000	745	ELMWOOD CT	1.0	52.64
022-046-017-000	757	ELMWOOD CT	1.0	52.64
022-046-020-000	732	ELMWOOD CT	1.0	52.64
022-046-021-000	720	ELMWOOD CT	1.0	52.64
022-046-022-000	824	BRIARWOOD DR	1.0	52.64
022-046-023-000	850	BRIARWOOD DR	1.0	52.64
022-046-024-000	876	BRIARWOOD DR	1.0	52.64
022-046-025-000	721	F ST	1.0	52.64
022-046-026-000	733	F ST	1.0	52.64

City of Livingston
LMD Zone 5 - Vinewood Estates
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
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Summary Fields	Value
Number of Parcels to be Levied	123
Total EDUs	123.00
Total Charges	\$6,474.72

City of Livingston
LMD Zone 5B - Vinewood Estates II
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
022-030-036-000	505	BRIARWOOD DR	1.0	115.70
022-030-037-000	513	BRIARWOOD DR	1.0	115.70
022-030-038-000	521	BRIARWOOD DR	1.0	115.70
022-030-039-000	529	BRIARWOOD DR	1.0	115.70
022-030-040-000	537	BRIARWOOD DR	1.0	115.70
022-030-041-000	545	BRIARWOOD DR	1.0	115.70
022-030-042-000			1.0	115.70
022-030-043-000	639	CHERRYWOOD WAY	1.0	115.70
022-030-044-000	629	CHERRYWOOD WAY	1.0	115.70
022-030-045-000	621	CHERRYWOOD WAY	1.0	115.70
022-030-046-000	308	W RAVENSWOOD CT	1.0	115.70
022-030-047-000	602	W RAVENSWOOD CT	1.0	115.70
022-030-048-000	601	E RAVENSWOOD CT	1.0	115.70
022-030-049-000	607	E RAVENSWOOD CT	1.0	115.70
022-030-050-000	609	E RAVENSWOOD CT	1.0	115.70

Summary Fields	Value
Number of Parcels to be Levied	15
Total EDUs	15.00
Total Charges	\$1,735.50

City of Livingston
LMD Zone 6 - Vintage West
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
023-091-001-000	1283	HAMMATT AVE	1.0	81.22
023-091-002-000	1315	HAMMATT AVE	1.0	81.22
023-091-003-000	2223	BURGUNDY DR	1.0	81.22
023-091-004-000	2237	BURGUNDY DR	1.0	81.22
023-091-005-000	2251	BURGUNDY DR	1.0	81.22
023-091-006-000	2265	BURGUNDY DR	1.0	81.22
023-091-007-000	2279	BURGUNDY DR	1.0	81.22
023-091-008-000	2293	BURGUNDY DR	1.0	81.22
023-091-009-000	2307	BURGUNDY DR	1.0	81.22
023-091-010-000	2321	BURGUNDY DR	1.0	81.22
023-091-011-000	2335	BURGUNDY DR	1.0	81.22
023-091-012-000	2349	BURGUNDY DR	1.0	81.22
023-091-013-000	2363	BURGUNDY DR	1.0	81.22
023-091-014-000	2377	BURGUNDY DR	1.0	81.22
023-091-015-000	2391	BURGUNDY DR	1.0	81.22
023-091-016-000	2403	BURGUNDY DR	1.0	81.22
023-091-017-000	2417	BURGUNDY DR	1.0	81.22
023-091-018-000	2431	BURGUNDY DR	1.0	81.22
023-091-019-000	2449	BURGUNDY DR	1.0	81.22
023-091-020-000	2463	BURGUNDY DR	1.0	81.22
023-091-021-000	2477	BURGUNDY DR	1.0	81.22
023-092-001-000	1463	HAMMATT AVE	1.0	81.22
023-092-002-000	1449	HAMMETT AVE	1.0	81.22
023-092-003-000	1435	HAMMATT AVE	1.0	81.22
023-092-004-000	1421	HAMMATT AVE	1.0	81.22
023-092-005-000	1407	HAMMATT AVE	1.0	81.22
023-092-006-000	1347	HAMMATT AVE	1.0	81.22
023-092-007-000	2208	BURGUNDY DR	1.0	81.22
023-092-008-000	2222	BURGUNDY DR	1.0	81.22
023-092-009-000	2236	BURGUNDY DR	1.0	81.22
023-092-010-000	1350	CABERNET CT	1.0	81.22
023-092-011-000	1406	CABERNET CT	1.0	81.22
023-092-012-000	1420	CABERNET CT	1.0	81.22
023-092-013-000	1430	CABERNET CT	1.0	81.22
023-092-014-000	1440	CABERNET CT	1.0	81.22
023-092-015-000	1452	CABERNET CT	1.0	81.22
023-092-016-000	1449	CABERNET CT	1.0	81.22
023-092-017-000	1437	CABERNET CT	1.0	81.22
023-092-018-000	1423	CABERNET CT	1.0	81.22
023-092-019-000	1409	CABERNET CT	1.0	81.22
023-092-020-000	1345	CABERNET CT	1.0	81.22
023-092-021-000	1331	CABERNET CT	1.0	81.22
023-092-022-000	1321	CABERNET CT	1.0	81.22
023-092-023-000	1322	COLOMBARD WAY	1.0	81.22
023-092-024-000	1336	COLOMBARD WAY	1.0	81.22
023-092-025-000	1350	COLOMBARD WAY	1.0	81.22
023-092-026-000	1408	COLOMBARD WAY	1.0	81.22
023-092-027-000	1422	COLOMBARD WAY	1.0	81.22
023-092-028-000	1432	COLOMBARD WAY	1.0	81.22
023-092-029-000	1446	COLOMBARD WAY	1.0	81.22
023-092-030-000	1458	COLOMBARD WAY	1.0	81.22
023-093-001-000	1323	COLOMBARD WAY	1.0	81.22
023-093-002-000	1333	COLOMBARD WAY	1.0	81.22
023-093-003-000	1347	COLOMBARD WAY	1.0	81.22
023-093-004-000	1407	COLOMBARD WAY	1.0	81.22
023-093-005-000	1421	COLOMBARD WAY	1.0	81.22
023-093-006-000	1435	COLOMBARD WAY	1.0	81.22
023-093-007-000	1447	COLOMBARD WAY	1.0	81.22
023-093-008-000	1459	COLOMBARD WAY	1.0	81.22
023-093-009-000	1322	CHABLIS CT	1.0	81.22
023-093-010-000	1336	CHABLIS CT	1.0	81.22
023-093-011-000	1350	CHABLIS CT	1.0	81.22

City of Livingston
LMD Zone 6 - Vintage West
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
023-093-012-000	1408	CHABLIS CT	1.0	81.22
023-093-013-000	1422	CHABLIS CT	1.0	81.22
023-093-014-000	1432	CHABLIS CT	1.0	81.22
023-093-015-000	1446	CHABLIS CT	1.0	81.22
023-093-016-000	1459	CHABLIS CT	1.0	81.22
023-093-017-000	1447	CHABLIS CT	1.0	81.22
023-093-018-000	1435	CHABLIS CT	1.0	81.22
023-093-019-000	1421	CHABLIS CT	1.0	81.22
023-093-020-000	1407	CHABLIS CT	1.0	81.22
023-093-021-000	1347	CHABLIS CT	1.0	81.22
023-093-022-000	1333	CHABLIS CT	1.0	81.22
023-093-023-000	1323	CHABLIS CT	1.0	81.22
023-093-024-000	1322	CHARDONNAY WAY	1.0	81.22
023-093-025-000	1336	CHARDONNAY WAY	1.0	81.22
023-093-026-000	1350	CHARDONNAY WAY	1.0	81.22
023-093-027-000	1408	CHARDONNAY WAY	1.0	81.22
023-093-028-000	1422	CHARDONNAY WAY	1.0	81.22
023-093-029-000	1432	CHARDONNAY WAY	1.0	81.22
023-093-030-000	1446	CHARDONNAY WAY	1.0	81.22
023-093-031-000	1458	CHARDONNAY WAY	1.0	81.22
023-094-001-000	1323	CHARDONNAY WAY	1.0	81.22
023-094-002-000	1333	CHARDONNAY WAY	1.0	81.22
023-094-003-000	1347	CHARDONNAY WAY	1.0	81.22
023-094-004-000	1407	CHARDONNAY WAY	1.0	81.22
023-094-005-000	1421	CHARDONNAY WAY	1.0	81.22
023-094-006-000	1435	CHARDONNAY WAY	1.0	81.22
023-094-007-000	1447	CHARDONNAY WAY	1.0	81.22
023-094-008-000	1459	CHARDONNAY WAY	1.0	81.22
023-094-009-000	1470	CHIANTI DR	1.0	81.22
023-094-010-000	1458	CHIANTI DR	1.0	81.22
023-094-011-000	1446	CHIANTI DR	1.0	81.22
023-094-012-000	1434	CHIANTI DR	1.0	81.22
023-094-013-000	1422	CHIANTI DR	1.0	81.22
023-094-014-000	1408	CHIANTI DR	1.0	81.22
023-094-015-000	1346	CHIANTI DR	1.0	81.22
023-094-016-000	1334	CHIANTI DR	1.0	81.22
023-094-017-000	1322	CHIANTI DR	1.0	81.22
023-100-001-000	2491	BURGUNDY DR	1.0	81.22
023-100-002-000	2507	BURGUNDY DR	1.0	81.22
023-100-003-000	2521	BURGUNDY DR	1.0	81.22
023-100-004-000	2535	BURGUNDY DR	1.0	81.22
023-100-005-000	2551	BURGUNDY DR	1.0	81.22
023-100-006-000	2565	BURGUNDY DR	1.0	81.22
023-100-007-000	2579	BURGUNDY DR	1.0	81.22
023-100-008-000	2593	BURGUNDY DR	1.0	81.22
023-100-009-000	2607	BURGUNDY DR	1.0	81.22
023-100-010-000	2621	BURGUNDY DR	1.0	81.22
023-100-011-000	2635	BURGUNDY DR	1.0	81.22
023-100-012-000	2634	BURGUNDY DR	1.0	81.22
023-100-013-000	2620	BURGUNDY DR	1.0	81.22
023-100-014-000	2606	BURGUNDY DR	1.0	81.22
023-100-015-000	2607	CLARET CIR	1.0	81.22
023-100-016-000	2621	CLARET CIR	1.0	81.22
023-100-017-000	2635	CLARET CIR	1.0	81.22
023-100-018-000	2634	CLARET CIR	1.0	81.22
023-100-019-000	2620	CLARET CIR	1.0	81.22
023-100-020-000	2606	CLARET CIR	1.0	81.22
023-100-021-000	1458	PINOT DR	1.0	81.22
023-100-022-000	1446	PINOT DR	1.0	81.22
023-100-023-000	1434	PINOT DR	1.0	81.22
023-100-024-000	1422	PINOT DR	1.0	81.22
023-100-025-000	1346	PINOT DR	1.0	81.22

City of Livingston
LMD Zone 6 - Vintage West
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ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
023-100-026-000	1334	PINOT DR	1.0	81.22
023-100-027-000	1322	PINOT DR	1.0	81.22
023-100-028-000	2570	BURGUNDY DR	1.0	81.22
023-100-029-000	2552	BURGUNDY DR	1.0	81.22
023-100-030-000	2534	BURGUNDY DR	1.0	81.22
023-100-031-000	2508	BURGUNDY DR	1.0	81.22
023-100-032-000	1323	CHIANTI DR	1.0	81.22
023-100-033-000	1333	CHIANTI DR	1.0	81.22
023-100-034-000	1347	CHIANTI DR	1.0	81.22
023-100-035-000	1407	CHIANTI DR	1.0	81.22
023-100-036-000	1421	CHIANTI DR	1.0	81.22
023-100-037-000	1435	CHIANTI DR	1.0	81.22
023-100-038-000	1449	CHIANTI DR	1.0	81.22
023-100-039-000	1458	BRANDY CT	1.0	81.22
023-100-040-000	1446	BRANDY CT	1.0	81.22
023-100-041-000	1434	BRANDY CT	1.0	81.22
023-100-042-000	1422	BRANDY CT	1.0	81.22
023-100-043-000	1408	BRANDY CT	1.0	81.22
023-100-044-000	1401	BRANDY CT	1.0	81.22
023-100-045-000	1407	BRANDY CT	1.0	81.22
023-100-046-000	1421	BRANDY CT	1.0	81.22
023-100-047-000	1435	BRANDY CT	1.0	81.22
023-100-048-000	1449	BRANDY CT	1.0	81.22
023-110-001-000	1507	HAMMATT AVE	1.0	81.22
023-110-002-000	1521	HAMMATT AVE	1.0	81.22
023-110-003-000	1535	HAMMATT AVE	1.0	81.22
023-110-004-000	1549	HAMMATT AVE	1.0	81.22
023-110-009-000	2209	JOHANNISBURG DR	1.0	81.22
023-110-010-000	2307	PEACH AVE	1.0	81.22
023-110-011-000	2293	PEACH AVE	1.0	81.22
023-110-012-000	2279	PEACH AVE	1.0	81.22
023-110-013-000	2265	PEACH AVE	1.0	81.22
023-110-014-000	2251	PEACH AVE	1.0	81.22
023-110-015-000	2237	PEACH AVE	1.0	81.22
023-110-016-000	2223	PEACH AVE	1.0	81.22
023-110-017-000	2209	PEACH AVE	1.0	81.22
023-110-018-000	2349	ZINFANDEL DR	1.0	81.22
023-110-019-000	2363	ZINFANDEL DR	1.0	81.22
023-110-020-000	2377	ZINFANDEL DR	1.0	81.22
023-110-021-000	2391	ZINFANDEL DR	1.0	81.22
023-110-022-000	2403	ZINFANDEL DR	1.0	81.22
023-110-023-000	2402	ZINFANDEL DR	1.0	81.22
023-110-024-000	2390	ZINFANDEL DR	1.0	81.22
023-110-025-000	2376	ZINFANDEL DR	1.0	81.22
023-110-026-000	2362	ZINFANDEL DR	1.0	81.22
023-110-027-000	2348	ZINFANDEL DR	1.0	81.22
023-110-028-000	2349	JOHANNISBURG DR	1.0	81.22
023-110-029-000	2363	JOHANNISBURG DR	1.0	81.22
023-110-030-000	2377	JOHANNISBURG DR	1.0	81.22
023-110-031-000	2391	JOHANNISBURG DR	1.0	81.22
023-110-032-000	2403	JOHANNISBURG DR	1.0	81.22
023-110-033-000	1602	CHARDONNAY WAY	1.0	81.22
023-110-034-000	2390	JOHANNISBURG DR	1.0	81.22
023-110-035-000	2376	JOHANNISBURG DR	1.0	81.22
023-110-036-000	2362	JOHANNISBURG DR	1.0	81.22
023-110-037-000	2348	JOHANNISBURG DR	1.0	81.22
023-110-038-000	2349	PEACH AVE	1.0	81.22
023-110-039-000	2363	PEACH AVE	1.0	81.22
023-110-040-000	2377	PEACH AVE	1.0	81.22
023-110-041-000	2391	PEACH AVE	1.0	81.22
023-110-042-000	1618	CHARDONNAY WAY	1.0	81.22
023-110-043-000	1634	CHARDONNAY WAY	1.0	81.22

City of Livingston
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ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
023-110-044-000	1633	CHARDONNAY WAY	1.0	81.22
023-110-045-000	1617	CHARDONNAY WAY	1.0	81.22
023-110-046-000	1601	CHARDONNAY WAY	1.0	81.22
023-110-047-000	1547	CHARDONNAY WAY	1.0	81.22
023-110-048-000	1535	CHARDONNAY WAY	1.0	81.22
023-110-049-000	1521	CHARDONNAY WAY	1.0	81.22
023-110-050-000	1507	CHARDONNAY WAY	1.0	81.22
023-110-051-000	1495	CHARDONNAY WAY	1.0	81.22
023-110-052-000	1483	CHARDONNAY WAY	1.0	81.22
023-110-053-000	1471	CHARDONNAY WAY	1.0	81.22
023-110-054-000	2223	JOHANNISBURG DR	1.0	81.22
023-110-055-000	2237	JOHANNISBURG DR	1.0	81.22
023-110-056-000	2100	ZINFANDEL DR	1.0	81.22
023-110-057-000	2265	ZINFANDEL DR	1.0	81.22
023-110-058-000	2279	ZINFANDEL DR	1.0	81.22
023-110-059-000	2293	ZINFANDEL DR	1.0	81.22
023-110-060-000	2321	ZINFANDEL DR	1.0	81.22
023-110-061-000	2335	ZINFANDEL DR	1.0	81.22
023-110-062-000	2264	ZINFANDEL DR	1.0	81.22
023-110-063-000	2278	ZINFANDEL DR	1.0	81.22
023-110-064-000	2292	ZINFANDEL DR	1.0	81.22
023-110-065-000	2306	ZINFANDEL DR	1.0	81.22
023-110-066-000	2320	ZINFANDEL DR	1.0	81.22
023-110-067-000	2334	ZINFANDEL DR	1.0	81.22
023-110-068-000	2335	JOHANNISBURG DR	1.0	81.22
023-110-069-000	2321	JOHANNISBURG DR	1.0	81.22
023-110-070-000	2307	JOHANNISBURG DR	1.0	81.22
023-110-071-000	2293	JOHANNISBURG DR	1.0	81.22
023-110-072-000	2279	JOHANNISBURG DR	1.0	81.22
023-110-073-000	2265	JOHANNISBURG DR	1.0	81.22
023-110-074-000	2208	JOHANNISBURG DR	1.0	81.22
023-110-075-000	2222	JOHANNISBURG DR	1.0	81.22
023-110-076-000	2236	JOHANNISBURG DR	1.0	81.22
023-110-077-000	2250	JOHANNISBURG DR	1.0	81.22
023-110-078-000	2264	JOHANNISBURG DR	1.0	81.22
023-110-079-000	2278	JOHANNISBURG DR	1.0	81.22
023-110-080-000	2292	JOHANNISBURG DR	1.0	81.22
023-110-081-000	2306	JOHANNISBURG DR	1.0	81.22
023-110-082-000	2320	JOHANNISBURG DR	1.0	81.22
023-110-083-000	2334	JOHANNISBURG DR	1.0	81.22
023-110-084-000	2335	PEACH AVE	1.0	81.22
023-110-085-000	2321	PEACH AVE	1.0	81.22
023-120-001-000	1463	CHIANTI DR	1.0	81.22
023-120-002-000	1470	BRANDY CT	1.0	81.22
023-120-003-000	1463	BRANDY WAY	1.0	81.22
023-120-004-000	1470	PINOT DR	1.0	81.22
023-120-005-000	2621	BRANDY WAY	1.0	81.22
023-120-006-000	2631	BRANDY WAY	1.0	81.22
023-120-007-000	2641	BRANDY WAY	1.0	81.22
023-120-008-000	2651	BRANDY WAY	1.0	81.22
023-120-009-000	2661	BRANDY WAY	1.0	81.22
023-120-010-000	2671	BRANDY WAY	1.0	81.22
023-120-011-000	2681	BRANDY WAY	1.0	81.22
023-120-012-000	1463	AMARETTO WAY	1.0	81.22
023-120-013-000	1477	AMARETTO WAY	1.0	81.22
023-120-014-000	1495	AMARETTO WAY	1.0	81.22
023-120-015-000	1521	AMARETTO WAY	1.0	81.22
023-120-016-000	1537	AMARETTO WAY	1.0	81.22
023-120-017-000	1553	AMARETTO WAY	1.0	81.22
023-120-018-000	1569	AMARETTO WAY	1.0	81.22
023-120-019-000	1585	AMARETTO WAY	1.0	81.22
023-120-020-000	1601	AMARETTO WAY	1.0	81.22

City of Livingston
LMD Zone 6 - Vintage West
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ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
023-120-021-000	1617	AMARETTO WAY	1.0	81.22
023-120-022-000	1633	AMARETTO WAY	1.0	81.22
023-120-023-000	2600	BRANDY WAY	1.0	81.22
023-120-024-000	2610	BRANDY WAY	1.0	81.22
023-120-025-000	2622	BRANDY WAY	1.0	81.22
023-120-026-000	2632	BRANDY WAY	1.0	81.22
023-120-027-000	2642	BRANDY WAY	1.0	81.22
023-120-028-000	2652	BRANDY WAY	1.0	81.22
023-120-029-000	2662	BRANDY WAY	1.0	81.22
023-120-030-000	2672	BRANDY WAY	1.0	81.22
023-120-031-000	2681	BARDOLINO DR	1.0	81.22
023-120-032-000	2671	BARDOLINO DR	1.0	81.22
023-120-033-000	2661	BARDOLINO DR	1.0	81.22
023-120-034-000	2651	BARDOLINO DR	1.0	81.22
023-120-035-000	2641	BARDOLINO DR	1.0	81.22
023-120-036-000	2631	BARDOLINO DR	1.0	81.22
023-120-037-000	2621	BARDOLINO DR	1.0	81.22
023-120-038-000	1601	ROSE CT	1.0	81.22
023-120-040-000	1649	ROSE CT	1.0	81.22
023-120-041-000	1633	ROSE CT	1.0	81.22
023-120-042-000	1617	ROSE CT	1.0	81.22
023-120-043-000	2548	BARDOLINO DR	1.0	81.22
023-120-044-000	2570	BARDOLINO DR	1.0	81.22
023-120-045-000	2584	BARDOLINO DR	1.0	81.22
023-120-046-000	1618	ROSE CT	1.0	81.22
023-120-047-000	1632	ROSE CT	1.0	81.22
023-120-048-000	1633	LAMBRUSCO LN	1.0	81.22
023-120-049-000	1617	LAMBRUSCO LN	1.0	81.22
023-120-050-000	1601	LAMBRUSCO LN	1.0	81.22
023-120-051-000	2508	BRANDY WAY	1.0	81.22
023-120-052-000	2520	BRANDY WAY	1.0	81.22
023-120-053-000	2534	BRANDY WAY	1.0	81.22
023-120-054-000	2550	BRANDY WAY	1.0	81.22
023-120-055-000	2568	BRANDY WAY	1.0	81.22
023-120-056-000	2578	BRANDY WAY	1.0	81.22
023-120-057-000	2592	BRANDY WAY	1.0	81.22
023-120-058-000	2611	BARDOLINO DR	1.0	81.22
023-120-059-000	2593	BARDOLINO DR	1.0	81.22
023-120-060-000	2579	BARDOLINO DR	1.0	81.22
023-120-061-000	2569	BARDOLINO DR	1.0	81.22
023-120-062-000	2551	BARDOLINO DR	1.0	81.22
023-120-063-000	2535	BARDOLINO DR	1.0	81.22
023-120-064-000	2521	BARDOLINO DR	1.0	81.22
023-120-065-000	2507	BARDOLINO DR	1.0	81.22
023-120-066-000	1482	CHIANTI DR	1.0	81.22
023-120-067-000	1494	CHIANTI DR	1.0	81.22
023-120-068-000	1522	CHIANTI DR	1.0	81.22
023-120-069-000	1534	CHIANTI DR	1.0	81.22
023-120-070-000	1552	CHIANTI DR	1.0	81.22
023-120-071-000	1568	CHIANTI CT	1.0	81.22
023-120-072-000	1584	CHIANTI CT	1.0	81.22
023-120-073-000	1602	CHIANTI CT	1.0	81.22
023-120-074-000	1618	CHIANTI CT	1.0	81.22
023-120-075-000	1632	CHIANTI CT	1.0	81.22
023-120-076-000	1617	CHIANTI CT	1.0	81.22
023-120-077-000	1601	CHIANTI CT	1.0	81.22
023-120-078-000	2508	BARDOLINO DR	1.0	81.22
023-120-079-000	2520	BARDOLINO DR	1.0	81.22
023-120-080-000	2534	BARDOLINO DR	1.0	81.22
023-120-081-000	1602	LAMBRUSCO LN	1.0	81.22
023-120-082-000	1618	LAMBRUSCO LN	1.0	81.22
023-120-083-000	1634	LAMBRUSCO LN	1.0	81.22

City of Livingston
LMD Zone 6 - Vintage West
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ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
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Summary Fields	Value
Number of Parcels to be Levied	310
Total EDUs	310.00
Total Charges	\$25,178.20

**LMD Zones 7 through 12
Commercial & Residential
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ASSESSOR'S PARCEL NUMBER	ZONE	EDU	LEGAL DESCRIPTION	CHARGE (\$)
022-010-001-000	SouthRes	3.72	POR SW1/4 SEC 23/6/11	195.82
022-010-003-000	SouthRes	10.50	POR N1/2 SEC 26/6/11	552.72
022-010-008-000	SouthRes	1.00	LIV LD COL SUB #2 POR LOT 16	52.64
022-010-011-000	SouthRes	0.77	LIV LD COL SUB #2 POR LOT 15	40.26
022-010-012-000	SouthRes	1.00	LIV LD COL SUB #2 POR LOT 15	52.64
022-010-013-000	SouthRes	1.00	LIV LD COL SUB #2 POR LOT 15	52.64
022-010-015-000	SouthRes	4.76	LIV LD COL SUB #3 POR LOT 4 SEC 26/6/11 (ADJ PAR 2	250.60
022-010-016-000	SouthRes	0.73	LIV LD COL SUB #3 POR LOTS 3&4 S 26/6/11(ADJ PAR 1	38.20
022-010-018-000	SouthRes	1.69	PARCEL B PM 109-23 SEC 26/6/11	88.74
022-010-019-000	SouthRes	0.36	PARCEL C PM 109-23 SEC 26/6/11	18.78
022-010-021-000	SouthRes	0.59		31.26
022-010-022-000	SouthRes	2.29		120.48
022-010-023-000	SouthRes	0.59		31.10
022-020-001-000	NorthCom	0.32	PARCEL 4 PM 85-11 SEC 26-6-11	3.60
022-020-002-000	NorthCom	6.30	PARCEL 5 PM 85-11 SEC 26-6-11	72.06
022-020-003-000	NorthCom	11.04	PARCEL 6 PM 85-11 SEC 26-6-11	126.28
022-020-005-000	NorthCom	62.70	PARCEL 1 PM 88-38 SEC 26-6-11	717.28
022-020-006-000	NorthCom	6.12	POR. PARCEL 2 PM 88-38 SEC 26-6-11	70.00
022-020-007-000	NorthCom	9.12	PARCEL 7 PM 85-11 SEC 26-6-11	104.32
022-020-008-000	NorthCom	6.00	PARCEL 8 PM 85-11 ETC SEC 26/6/11	68.64
022-020-009-000	NorthCom	1.50	PARCEL 9 PM 85-11 ETC SEC 26/6/11	17.16
022-020-010-000	NorthCom	0.08	PARCEL 10 PM 85-11 ETC SEC 26/6/11	0.84
022-020-011-000	NorthCom	0.30	PARCEL 1 PM 92-14 SEC 26-6-11	3.42
022-020-014-000	NorthCom	6.60	PARCEL 11 PM 85-11 SEC 26-6-11	75.50
022-020-016-000	NorthCom	4.03	PARCEL 4 PM 112-22 SEC 26/6/11	46.14
022-020-017-000	NorthCom	30.90	PARCEL 1 PM 112-22 SEC 26/6/11	353.48
022-020-018-000	NorthCom	6.24	PARCEL 2 PM 112-22 SEC 26/6/11	71.38
022-020-020-000	NorthCom	0.29		3.28
022-020-021-000	NorthCom	11.40		130.40
022-050-004-000	SouthRes	4.63		243.50
022-050-009-000	SouthRes	4.98	LIV LD COL SUB #2 POR LOT 58	262.14
022-050-010-000	SouthRes	1.00	LIV LD COL SUB #2 POR LOT 58	52.64
022-050-011-000	SouthRes	1.00	LIV LD COL SUB #2 POR LOT 58	52.64
022-071-010-000	SouthRes	0.36	LIV LD COL SUB #2 N 252' OF E 200' OF LOT 38	18.94
023-042-028-000	NorthRes	0.54		28.58
023-050-008-000	NorthRes	1.22	PARCEL 2 PM 92-17 (LESS ST) ETC SEC 24/6/11	64.26
023-050-009-000	NorthRes	20.94	PORT PARCEL 3 PM 92-17 SEC 24/6/11	1,102.28
023-060-002-000	NorthRes	3.13	YAM COL #2 POR LOT 7 25/6/11	164.70
023-060-004-000	NorthRes	39.60		2,084.54
023-060-005-000	NorthRes	2.00	YAM COL #2 POR LOT 9 SEC 25/6/11	105.28
023-060-007-000	NorthCom	45.72	LIV INDUST PK LOT 6 POR 10 ETC 25/6/11	523.02
023-070-003-000	NorthCom	6.00	LIV INDUST PK LOT 7	68.64
023-070-004-000	NorthCom	6.00	LIV INDUST PK LOT 2	68.64
023-070-005-000	NorthCom	0.33	LIV INDUST PK LOT 3	3.76
023-070-006-000	NorthCom	6.60	LIV INDUST PK LOT 4	75.50
023-070-008-000	NorthCom	0.34	PARCEL C PM 93-49 SEC 25/6/11	3.90
023-070-009-000	NorthCom	0.74	PARCEL B PM 93-49 SEC 25/6/11	8.46
023-070-010-000	NorthCom	0.30	PARCEL A PM 93-49 SEC 25/6/11	3.42
023-070-011-000	NorthCom	6.00	LIV INDUST PK LOT 1 POR 10	68.64
023-070-013-000	NorthCom	51.36	LIV INDUST PK POR LOT 10	587.54
023-080-001-000	DowntownCom	6.00	PARCEL 1 PM 102-21 SEC. 25/6/11	68.64
023-080-002-000	DowntownCom	3.00	PARCEL 3 PM 102-21 SEC. 25/6/11	34.32
023-080-003-000	DowntownCom	3.00	PARCEL 2 PM 102-21 SEC. 25/6/11	34.32
023-080-004-000	DowntownCom	6.00	LIV RLTY CO SUB POR LOTS 16-17 25/6/11	68.64
023-080-005-000	DowntownCom	11.04	PARCEL 1 PM94-05 (LESS LEASE) 25/6/11	126.28
023-080-006-000	DowntownCom	1.56	PARCEL 2 PM94-05 (LESS LEASE) 25/6/11	17.84
023-080-007-000	DowntownCom	6.00	LIV RLTY CO SUB POR LOT 16 25/6/11	68.64
023-080-008-000	NorthRes	1.00	LIV RLTY CO SUB POR LOT 15 ETC	52.64
023-080-009-000	NorthRes	1.00	LIV RLTY CO SUB POR LOT 15 ETC	52.64
023-130-001-000	NorthCom	1.61	LOT A PM 110-40 SEC 25/6/11	18.38
023-130-002-000	NorthCom	4.84	LOT B PM 110-40 SEC 25/6/11	55.32
024-011-001-000	NorthRes	1.00	OLSON ADD POR LOT 8	52.64
024-011-003-000	NorthRes	1.00	OLSON ADD LOTS 3&4	52.64
024-011-004-000	NorthRes	1.00	OLSON ADD LOTS 5&6	52.64
024-011-005-000	NorthRes	1.00	OLSON ADD LOT 7	52.64
024-011-011-000	NorthRes	1.14	OLSON ADD LOTS 10 11 20&21	60.00
024-011-012-000	NorthRes	1.00	OLSON ADD LOT 1	52.64
024-011-013-000	NorthRes	1.00	OLSON ADD LOT 2	52.64
024-011-014-000	NorthRes	3.09	LIV COL #1 POR LOT 25 24/6/11	162.64
024-011-015-000	NorthRes	1.00	PARCEL 1 PM 1-30 SEC 24/6/11	52.64
024-011-017-000	NorthRes	1.00	OLSON ADD ADJ LOT 8 PER RS 31-21	52.64
024-020-004-000	NorthCom	6.00	LIV COL #1 POR LOT 27 23&26/6/11	68.64

**LMD Zones 7 through 12
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ASSESSOR'S PARCEL NUMBER	ZONE	EDU	LEGAL DESCRIPTION	CHARGE (\$)
024-020-013-000	NorthCom	0.03	LIV COL #1 POR LOT 26 24/6/11	0.34
024-020-021-000	NorthCom	198.00	LIV COL #1 POR LOTS 26 & 27	2,265.12
024-020-022-000	NorthCom	42.00	LIV COL #1 POR LOT 27 23/6/11 ETC	480.48
024-020-023-000	NorthCom	0.16	LIV COL #1 POR LOT 26 SEC 24/6/11	1.78
024-020-029-000	NorthCom	51.00	LIV COL #1 POR LOT 26 SEC 24/6/11	583.44
024-031-001-000	NorthRes	1.00	YAM COL #2-LOT 4 POR LOT 5 & 6	52.64
024-031-002-000	NorthRes	1.00	YAM COL #2-LOT 4 POR LOT 6	52.64
024-031-003-000	NorthRes	1.00	YAM COL #2-LOT 4 POR LOT 6	52.64
024-031-004-000	NorthRes	1.00	YAM COL #2-LOT 4 POR LOT 6	52.64
024-031-005-000	NorthRes	1.00	YAM COL #2-LOT 4 POR LOT 6	52.64
024-031-006-000	NorthRes	24.00	YAM COL #2 POR LOT 6	1,263.36
024-031-007-000	NorthRes	1.00	WOODLAND HTS LOT 1	52.64
024-031-008-000	NorthRes	1.00	WOODLAND HTS LOT 2	52.64
024-031-009-000	NorthRes	1.00	WOODLAND HTS LOT 3	52.64
024-031-010-000	NorthRes	1.00	WOODLAND HTS LOT 4	52.64
024-031-011-000	NorthRes	1.00	WOODLAND HTS LOT 5	52.64
024-031-012-000	NorthRes	1.00	WOODLAND HTS LOT 6	52.64
024-031-013-000	NorthRes	1.00	WOODLAND HTS LOT 7	52.64
024-031-014-000	NorthRes	1.00	WOODLAND HTS LOT 8	52.64
024-032-001-000	NorthRes	1.00	WOODLAND HTS LOT 47	52.64
024-032-002-000	NorthRes	1.00	WOODLAND HTS LOT 46	52.64
024-032-003-000	NorthRes	1.00	WOODLAND HTS LOT 45	52.64
024-032-004-000	NorthRes	1.00	WOODLAND HTS LOT 44	52.64
024-032-005-000	NorthRes	1.00	WOODLAND HTS LOT 43	52.64
024-032-006-000	NorthRes	1.00	WOODLAND HTS LOT 42	52.64
024-032-007-000	NorthRes	1.00	WOODLAND HTS LOT 41	52.64
024-032-008-000	NorthRes	1.00	WOODLAND HTS LOT 40	52.64
024-032-009-000	NorthRes	1.00	WOODLAND HTS LOT 39	52.64
024-032-010-000	NorthRes	1.00	WOODLAND HTS LOT 38	52.64
024-032-011-000	NorthRes	1.00	WOODLAND HTS LOT 37	52.64
024-032-012-000	NorthRes	1.00	WOODLAND HTS LOT 36	52.64
024-032-013-000	NorthRes	1.00	WOODLAND HTS LOT 75	52.64
024-032-014-000	NorthRes	1.00	WOODLAND HTS LOT 74	52.64
024-032-015-000	NorthRes	1.00	WOODLAND HTS LOT 73	52.64
024-032-016-000	NorthRes	1.00	WOODLAND HTS LOT 72	52.64
024-032-017-000	NorthRes	1.00	WOODLAND HTS LOT 71	52.64
024-032-018-000	NorthRes	1.00	WOODLAND HTS LOT 70	52.64
024-032-019-000	NorthRes	1.00	WOODLAND HTS LOT 69	52.64
024-032-020-000	NorthRes	1.00	WOODLAND HTS LOT 68	52.64
024-032-021-000	NorthRes	1.00	WOODLAND HTS LOT 67	52.64
024-032-022-000	NorthRes	1.00	WOODLAND HTS LOT 66	52.64
024-032-023-000	NorthRes	1.00	WOODLAND HTS LOT 65	52.64
024-032-024-000	NorthRes	1.00	WOODLAND HTS LOT 64	52.64
024-032-025-000	NorthRes	1.00	WOODLAND HTS LOT 63	52.64
024-032-026-000	NorthRes	1.00	WOODLAND HTS LOT 62	52.64
024-032-027-000	NorthRes	1.00	WOODLAND HTS LOT 61	52.64
024-032-028-000	NorthRes	1.00	WOODLAND HTS LOT 60	52.64
024-032-029-000	NorthRes	1.00	WOODLAND HTS LOT 59	52.64
024-032-030-000	NorthRes	1.00	WOODLAND HTS LOT 58	52.64
024-032-031-000	NorthRes	1.00	WOODLAND HTS LOT 57	52.64
024-032-032-000	NorthRes	1.00	WOODLAND HTS LOT 56	52.64
024-032-033-000	NorthRes	1.00	WOODLAND HTS LOT 55	52.64
024-032-034-000	NorthRes	1.00	WOODLAND HTS LOT 54	52.64
024-032-037-000	NorthRes	1.00	WOODLAND HTS LOT 51	52.64
024-032-038-000	NorthRes	1.00	WOODLAND HTS LOT 50	52.64
024-032-039-000	NorthRes	1.00	WOODLAND HTS LOT 49	52.64
024-032-040-000	NorthRes	1.00	WOODLAND HTS LOT 48	52.64
024-032-041-000	NorthRes	1.00	PARCEL A PM 39-16 SEC 24/6/11	52.64
024-032-042-000	NorthRes	1.00	PARCEL B PM 39-16 SEC 24/6/11	52.64
024-033-001-000	NorthRes	1.00	WOODLAND HTS LOT 23	52.64
024-033-002-000	NorthRes	1.00	WOODLAND HTS LOT 24	52.64
024-033-003-000	NorthRes	1.00	WOODLAND HTS LOT 25	52.64
024-033-004-000	NorthRes	1.00	WOODLAND HTS LOT 26	52.64
024-033-005-000	NorthRes	1.00	WOODLAND HTS LOT 27	52.64
024-033-006-000	NorthRes	1.00	WOODLAND HTS LOT 28	52.64
024-033-007-000	NorthRes	1.00	WOODLAND HTS LOT 29	52.64
024-033-008-000	NorthRes	1.00	WOODLAND HTS LOT 30	52.64
024-033-009-000	NorthRes	1.00	WOODLAND HTS LOT 31	52.64
024-033-010-000	NorthRes	1.00	WOODLAND HTS LOT 32	52.64
024-033-011-000	NorthRes	1.00	WOODLAND HTS LOT 33	52.64
024-033-012-000	NorthRes	1.00	WOODLAND HTS LOT 34	52.64
024-033-013-000	NorthRes	1.00	WOODLAND HTS LOT 35	52.64

**LMD Zones 7 through 12
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ASSESSOR'S PARCEL NUMBER	ZONE	EDU	LEGAL DESCRIPTION	CHARGE (\$)
024-041-001-000	NorthRes	0.08	LIVINGSTON LOTS 1-4 BLK 1	4.10
024-041-002-000	NorthRes	1.00	LIVINGSTON LOTS 5-7 BLK 1	52.64
024-041-003-000	NorthRes	1.00	LIVINGSTON LOTS 8-10 BLK 1	52.64
024-041-004-000	NorthRes	1.00	LIVINGSTON LOTS 11-14 BLK 1	52.64
024-041-005-000	NorthRes	1.00	LIVINGSTON LOTS 15&16 BLK 1	52.64
024-041-006-000	NorthRes	0.08	LIVINGSTON LOTS 17-20 BLK 1	4.10
024-042-001-000	NorthRes	1.00	LIVINGSTON LOTS 1-3 BLK 20	52.64
024-042-003-000	NorthRes	1.00	LIVINGSTON LOTS 8-10 BLK 20	52.64
024-042-004-000	NorthRes	1.00	LIVINGSTON LOTS 11-14 BLK 20	52.64
024-042-005-000	NorthRes	1.00	LIVINGSTON LOTS 15-17 BLK 20	52.64
024-042-006-000	NorthRes	1.00	LIVINGSTON LOTS 18-20 BLK 20	52.64
024-042-007-000	NorthRes	1.00	LIVINGSTON LOTS 4&5 BLK 20	52.64
024-042-008-000	NorthRes	1.00	LIVINGSTON LOTS 6&7 BLK 20	52.64
024-043-003-000	NorthRes	1.20	LIVINGSTON LOTS 8-10 BLK 21	63.16
024-043-004-000	NorthCom	2.82	LIVINGSTON LOTS 1-7 BLK 21	32.26
024-044-001-000	NorthRes	1.00	LIVINGSTON LOTS 1-4 BLK 2	52.64
024-044-002-000	NorthRes	1.00	LIVINGSTON LOTS 5&6 BLK 2	52.64
024-044-003-000	NorthRes	0.09	LIVINGSTON LOTS 7-10 BLK 2	4.72
024-044-005-000	NorthRes	0.78	LIVINGSTON LOTS 13&14 BLK 2	41.04
024-044-006-000	NorthCom	0.78	LIVINGSTON LOTS 15&16 BLK 2	8.92
024-044-007-000	NorthCom	1.62	LIVINGSTON LOTS 17-20 BLK 2	18.52
024-045-002-000	NorthCom	9.96	LIVINGSTON LOTS 1-20 BLK 19 ETC	113.94
024-046-001-000	NorthRes	1.00	LIVINGSTON POR LOTS 1-5 BLK 3	52.64
024-046-002-000	NorthRes	1.00	LIVINGSTON POR LOTS 1-5 BLK 3	52.64
024-046-003-000	NorthRes	1.00	LIVINGSTON LOTS 6-8 BLK 3	52.64
024-046-004-000	NorthRes	1.00	LIVINGSTON LOTS 9&10 BLK 3	52.64
024-046-005-000	NorthRes	0.04	LIVINGSTON LOTS 11&12 BLK 3	2.04
024-046-006-000	NorthRes	1.00	LIVINGSTON LOTS 13&14 BLK 3	52.64
024-046-007-000	NorthRes	1.00	LIVINGSTON LOTS 15&16 BLK 3	52.64
024-046-008-000	NorthCom	1.62	LIVINGSTON LOTS 17-20 BLK 3	18.52
024-051-003-000	NorthCom	0.08	LIVINGSTON LOTS 1-6 BLK 22 ETC	0.84
024-051-004-000	NorthCom	1.50	LIVINGSTON LOTS 7-10 BLK 22 ETC	17.16
024-052-001-000	NorthRes	1.00	LIVINGSTON LOTS 1&2 BLK 18	52.64
024-052-002-000	NorthRes	1.00	LIVINGSTON LOTS 3&4 BLK 18	52.64
024-052-003-000	NorthRes	0.04	LIVINGSTON LOTS 5&6 BLK 18	2.04
024-052-004-000	NorthRes	1.00	LIVINGSTON LOTS 7&8 BLK 18	52.64
024-052-005-000	NorthRes	1.00	LIVINGSTON LOTS 9&10 BLK 18	52.64
024-052-012-000	NorthCom	1.50	LIVINGSTON LOTS 11-20 BLK 18	17.16
024-053-001-000	NorthCom	4.02	LIVINGSTON LOTS 1-10 BLK 23	45.98
024-054-002-000	NorthRes	1.00	LIVINGSTON LOT 3 BLK 4	52.64
024-054-005-000	NorthRes	1.00	LIVINGSTON LOT 8 BLK 4	52.64
024-054-006-000	NorthRes	1.00	LIVINGSTON LOTS 9&10 BLK 4	52.64
024-054-007-000	NorthRes	2.00	LIVINGSTON LOTS 11-14 BLK 4	105.28
024-054-008-000	NorthRes	2.00	LIVINGSTON LOTS 15-17 BLK 4	105.28
024-054-009-000	NorthRes	1.00	LIVINGSTON LOTS 18-20 BLK 4	52.64
024-054-010-000	NorthRes	1.00	LIVINGSTON POR LOTS 1 & 2 BLK 4	52.64
024-054-011-000	NorthRes	1.00	LIVINGSTON POR LOTS 1 & 2 BLK 4	52.64
024-054-013-000	NorthRes	1.00	LIVINGSTON LOTS 6-7 BLK 4	52.64
024-054-014-000	NorthRes	1.00	LIVINGSTON LOTS 4 & 5 BLK 4	52.64
024-055-001-000	NorthRes	1.00	LIVINGSTON LOTS 1&2 BLK 17	52.64
024-055-002-000	NorthRes	1.00	LIVINGSTON LOTS 3-6 BLK 17	52.64
024-055-004-000	NorthRes	1.00	LIVINGSTON LOTS 11&12 BLK 17	52.64
024-055-005-000	NorthRes	1.00	LIVINGSTON LOTS 13-15 BLK 17	52.64
024-055-009-000	NorthRes	1.00	LIVINGSTON LOT 16-20 BLK 17	52.64
024-055-010-000	NorthRes	2.00	LOT 1 PM 91-33 IN BKL 17 OF LIVINGSTON	105.28
024-055-011-000	NorthRes	1.00	LOT 2 PM 91-33 IN BKL 17 OF LIVINGSTON	52.64
024-056-001-000	NorthRes	2.00	LIVINGSTON LOTS 1-5 BLK 24	105.28
024-056-002-000	NorthRes	1.00	LIVINGSTON LOTS 6&7 BLK 24	52.64
024-056-003-000	NorthRes	1.00	LIVINGSTON LOTS 8-10 BLK 24	52.64
024-056-004-000	NorthCom	1.72	LIVINGSTON POR LOTS 11-15 BLK 24	19.68
024-060-007-000	NorthRes	1.00	CROWELL ADD LOT 1 BLK 1	52.64
024-060-008-000	NorthRes	1.00	CROWELL ADD LOT 2 BLK 1	52.64
024-060-009-000	NorthRes	1.00	CROWELL ADD LOT 3 BLK 1	52.64
024-060-010-000	NorthRes	1.00	CROWELL ADD LOT 4 BLK 1	52.64
024-060-011-000	NorthRes	1.00	CROWELL ADD LOT 5 BLK 1	52.64
024-060-012-000	NorthRes	1.00	CROWELL ADD LOT 6 BLK 1	52.64
024-060-013-000	NorthRes	1.00	CROWELL ADD LOT 7 BLK 1	52.64
024-060-014-000	NorthRes	1.00	CROWELL ADD LOT 8 BLK 1	52.64
024-060-015-000	NorthRes	1.00	CROWELL ADD LOT 9 BLK 1	52.64
024-060-016-000	NorthRes	1.00	CROWELL ADD LOT 10 BLK 1	52.64
024-060-017-000	NorthRes	1.00	CROWELL ADD LOT 11 BLK 1	52.64
024-060-018-000	NorthRes	1.00	CROWELL ADD LOT 12 BLK 1	52.64

LMD Zones 7 through 12
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ASSESSOR'S PARCEL NUMBER	ZONE	EDU	LEGAL DESCRIPTION	CHARGE (\$)
024-060-019-000	NorthRes	1.00	CROWELL ADD LOT 13 BLK 1	52.64
024-060-020-000	NorthRes	1.00	CROWELL ADD LOT 14 BLK 1	52.64
024-060-021-000	NorthRes	1.00	CROWELL ADD LOT 15 BLK 1	52.64
024-060-022-000	NorthRes	1.00	CROWELL ADD LOT 16 BLK 1	52.64
024-060-024-000	NorthRes	1.00	PARCEL A PM 27-2 SEC 25/6/11	52.64
024-060-025-000	NorthRes	1.00	CROWELL ADD POR LOT 17 BLK 1	52.64
024-060-027-000	NorthRes	33.60	PARCEL 1 PM 41-7 SEC 25/6/11	1,768.70
024-060-028-000	NorthRes	1.00	PARCEL 6 PM 41-46 SEC 25/6/11	52.64
024-060-029-000	NorthRes	1.00	PARCEL 5 PM 41-46 SEC 25/6/11	52.64
024-060-030-000	NorthRes	1.00	PARCEL 4 PM 41-46 SEC 25/6/11	52.64
024-060-031-000	NorthRes	1.00	PARCEL 3 PM 41-46 SEC 25/6/11	52.64
024-060-032-000	NorthRes	1.00	PARCEL 2 PM 41-46 SEC 25/6/11	52.64
024-060-033-000	NorthRes	1.00	PARCEL 1 PM 41-46 SEC 25/6/11	52.64
024-072-005-000	DowntownCom	1.14	PAR 1 PM 24-16 SECS. 25 & 26 6/11	13.04
024-072-006-000	DowntownCom	4.44	PARCEL 2 PM 24-16 SEC 26/6/11	50.78
024-092-014-000	NorthRes	1.00	CROWELL ADD LOT 54 BLK 3	52.64
024-092-015-000	NorthRes	1.00	CROWELL ADD LOT 53 BLK 3	52.64
024-092-016-000	NorthRes	1.00	CROWELL ADD LOT 52 BLK 3	52.64
024-092-017-000	NorthRes	1.00	CROWELL ADD LOT 51 BLK 3	52.64
024-092-020-000	NorthRes	1.00	PARCEL F PM 27-2 SEC 25/6/11	52.64
024-092-021-000	NorthRes	1.00	PARCEL E PM 27-2 SEC 25/6/11	52.64
024-092-022-000	NorthRes	1.00	CROWELL ADD POR LOT 67 BLK 4 ETC	52.64
024-092-024-000	NorthRes	1.00	PARCEL A PM 40-22 SEC 25/6/11	52.64
024-092-025-000	NorthRes	1.00	PARCEL B PM 40-22 SEC 25/6/11	52.64
024-100-005-000	NorthRes	0.78	LIV COL #1 POR LOT 32	41.04
024-100-016-000	NorthRes	1.00	CARDELLA TR LOT 5	52.64
024-100-017-000	NorthRes	1.00	CARDELLA TR LOT 6	52.64
024-100-018-000	NorthRes	1.00	CARDELLA TR LOT 7	52.64
024-100-023-000	NorthRes	1.00	CARDELLA TR LOT 1	52.64
024-100-024-000	NorthRes	1.00	CARDELLA TR LOT 2	52.64
024-100-032-000	NorthRes	1.00	LIV COL #1 POR LOT 32	52.64
024-100-033-000	NorthRes	1.00	LIV COL #1 POR LOT 32	52.64
024-100-036-000	NorthRes	0.09	MENDOZA TR LOT 7	4.72
024-100-042-000	NorthRes	1.00	CARDELLA TR LOTS 3 & 4	52.64
024-100-043-000	NorthRes	1.00	PARCEL 1 PM 50-36 SEC 25/6/11	52.64
024-100-044-000	NorthRes	1.00	PARCEL 2 PM 50-36 SEC 25/6/11	52.64
024-100-045-000	NorthRes	1.00	BROWN EST LOT 1	52.64
024-100-046-000	NorthRes	1.00	BROWN EST LOT 2	52.64
024-100-047-000	NorthRes	1.00	BROWN EST LOT 3	52.64
024-100-048-000	NorthRes	1.00	BROWN EST LOT 4	52.64
024-100-049-000	NorthRes	1.00	BROWN EST LOT 5	52.64
024-100-050-000	NorthRes	1.00	BROWN EST LOT 6	52.64
024-100-051-000	NorthRes	1.00	BROWN EST LOT 7	52.64
024-100-052-000	NorthRes	1.00	BROWN EST LOT 8	52.64
024-100-053-000	NorthRes	1.00	BROWN EST LOT 10	52.64
024-100-054-000	NorthRes	1.00	BROWN EST LOT 9	52.64
024-100-055-000	NorthRes	1.00	PARCEL 1 PM 59-15 SEC 25/6/11	52.64
024-100-056-000	NorthRes	1.00	PARCEL 2 PM 59-15 SEC 25/6/11	52.64
024-100-057-000	NorthRes	1.00	PARCEL 3 PM 59-15 SEC 25/6/11	52.64
024-100-058-000	NorthRes	0.70	YAM COL #2 POR LOT 7	36.62
024-100-059-000	NorthRes	1.64	YAM COL #2 POR LOT 7	86.54
024-111-001-000	CentralRes	1.00	LIV LD COL ADD #1 POR BLK 3	52.64
024-111-002-000	CentralRes	1.00	LIV LD COL ADD #1 POR BLK 3	52.64
024-111-003-000	CentralRes	1.00	LIV LD COL ADD #1 POR BLK 3	52.64
024-111-004-000	CentralRes	1.00	LIV LD COL ADD #1 POR BLK 3	52.64
024-111-005-000	CentralRes	1.00	LIV LD COL ADD #1 POR BLK 3	52.64
024-111-007-000	CentralRes	1.00	LIV LD COL ADD #1 N 50 FT OF S 177 FT BLK 4	52.64
024-111-008-000	CentralRes	1.00	LIV LD COL ADD #1 POR BLK 4	52.64
024-111-010-000	CentralRes	1.00	LIV LD COL ADD #1 POR BLK 4	52.64
024-111-011-000	CentralRes	1.00	LIV LD COL ADD #1 POR BLK 4	52.64
024-111-012-000	CentralRes	1.00	LIV LD COL ADD #1 POR BLK 4	52.64
024-111-013-000	CentralRes	107.00	PARCEL 2 PM 69-45 SEC 26/6/11	5,632.48
024-111-014-000	CentralRes	36.00	PARCEL 1 PM 69-45 SEC 26/6/11	1,895.04
024-112-002-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 10 BLK 2	52.64
024-112-003-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 9 BLK 2	52.64
024-112-004-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 8 BLK 2	52.64
024-112-005-000	CentralRes	0.09	LIV LD COL ADD #1 LOTS 6&7 BLK 2	4.72
024-112-006-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 3 BLK 2	52.64
024-112-007-000	CentralRes	2.00	LIV LD COL ADD #1 LOT 4 & 5 BLK 2	105.28
024-113-001-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 5 BLK 5	52.64
024-113-002-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 4 BLK 5	52.64
024-113-003-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 3 BLK 5	52.64

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ASSESSOR'S PARCEL NUMBER	ZONE	EDU	LEGAL DESCRIPTION	CHARGE (\$)
024-113-004-000	CentralRes	1.00	LIV LD COL ADD#1 LOT 2 BLK 5	52.64
024-113-005-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 1 BLK 5	52.64
024-113-006-000	CentralRes	1.80	LIV LD COL ADD #1 LOT 9&10 BLK 5	94.74
024-113-007-000	CentralRes	0.09	LIV LD COL ADD #1 LOT 8 BLK 5	4.72
024-113-008-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 7 BLK 5	52.64
024-113-009-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 6 BLK 5	52.64
024-114-003-000	DowntownCom	1.26	LIV LD COL ADD #1 LOT 4 ETC BLK 1	14.40
024-114-004-000	DowntownCom	0.36	LIV LD COL ADD #1 POR LOT 5 BLK 1	4.10
024-114-005-000	DowntownCom	0.48	LIV LD COL ADD #1 POR LOT 5 BLK 1	5.48
024-114-008-000	DowntownCom	0.96	LIV LD COL ADD #1 LOT 7 BLK 1	10.98
024-114-011-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 10 BLK 1	52.64
024-114-012-000	CentralRes	0.08	LIV LD COL ADD #1 LOT 11&12 BLK 1	4.10
024-114-013-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 13 BLK 1	52.64
024-114-015-000	DowntownCom	1.26	LIV LD COL ADD #1 LOT 2 ETC BLK 1	14.40
024-114-018-000	DowntownCom	1.74	LIV LD COL ADD #1 LOT 14&15 ETC BLK 1	19.90
024-114-019-000	DowntownCom	6.00	LIV LD COL ADD #1 LOT 6 BLK 1	68.64
024-122-001-000	CentralRes	1.00	WATSON ADD LOT 2	52.64
024-122-002-000	CentralRes	2.00	WATSON ADD LOT 1	105.28
024-122-003-000	CentralRes	1.00	WATSON ADD LOT 3	52.64
024-122-004-000	CentralRes	1.00	WATSON ADD LOT 4	52.64
024-122-005-000	CentralRes	1.00	WATSON ADD LOT 5	52.64
024-122-006-000	CentralRes	1.00	WATSON ADD LOT 6	52.64
024-122-007-000	CentralRes	1.00	WATSON ADD LOTS 7&8	52.64
024-122-008-000	CentralRes	1.00	WATSON ADD LOT 9	52.64
024-122-009-000	CentralRes	1.00	WATSON ADD LOT 10	52.64
024-122-010-000	CentralRes	1.00	WATSON ADD LOT 11	52.64
024-122-012-000	CentralRes	1.00	WATSON ADD LOT 16	52.64
024-122-013-000	CentralRes	1.00	WATSON ADD LOT 17	52.64
024-122-014-000	CentralRes	1.00	WATSON ADD LOT 18	52.64
024-122-016-000	CentralRes	1.00	WATSON ADD LOT 21	52.64
024-122-019-000	CentralRes	1.00	WATSON ADD LOT 23	52.64
024-122-022-000	CentralRes	1.00	WATSON ADD LOT 19	52.64
024-122-023-000	CentralRes	1.00	WATSON ADD LOT 20	52.64
024-122-024-000	CentralRes	1.00	PARCEL 1 PM 46-14 SEC 26/6/11	52.64
024-122-025-000	CentralRes	1.00	PARCEL 2 PM 46-14 SEC 26/6/11	52.64
024-122-026-000	CentralRes	2.00	WATSON ADD LOT 22 & POR 24	105.28
024-123-001-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 5 BLK 7	52.64
024-123-002-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 4 BLK 7	52.64
024-123-003-000	CentralRes	0.05	LIV LD COL ADD#1 LOT 3 ETC BLK 7	2.84
024-123-004-000	CentralRes	2.00	LIV LD COL ADD #1 LOT 1 ETC BLK 7	105.28
024-123-007-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 6 BLK 7	52.64
024-123-008-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 9 BLK 7	52.64
024-123-009-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 10 BLK 7	52.64
024-123-010-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 7 BLK 7	52.64
024-123-011-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 8 BLK 7	52.64
024-124-001-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 5 BLK 8	52.64
024-124-002-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 4 BLK 8	52.64
024-124-003-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 3 BLK 8	52.64
024-124-004-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 2 BLK 8	52.64
024-124-005-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 1 BLK 8	52.64
024-124-006-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 10 BLK 8	52.64
024-124-010-000	CentralRes	1.00	LIV LD COL ADD #1 POR LOT 6 BLK 8	52.64
024-124-011-000	CentralRes	1.00	LIV LD COL ADD #1 POR BLK 8	52.64
024-124-012-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 8 BLK 8	52.64
024-124-013-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 9 BLK 8	52.64
024-131-009-000	DowntownCom	8.40	LIV LD COL ADD #1 LOTS 1-10 BLK 6	96.08
024-132-011-000	DowntownCom	1.50	PARCEL 2 PM 79-28 255/56/11	17.16
024-132-012-000	DowntownCom	9.00	PARCEL 1 PM 79-28	102.96
024-132-014-000	DowntownCom	1.50	PARCEL 3 PM 79-28 SEC 25/6/11	17.16
024-134-003-000	DowntownCom	2.00	LIV RLTY CO ADD LOT 19 BLK 2 ETC	22.88
024-134-004-000	DowntownCom	0.96	LIV RLTY CO ADD LOT 16 BLK 2 ETC	10.98
024-134-005-000	DowntownCom	0.78	LIV RLTY CO ADD LOT 13-15 BLK 2	8.92
024-134-006-000	DowntownCom	0.42	LIV RLTY CO ADD LOT 12 BLK 2	4.80
024-134-007-000	DowntownCom	0.42	LIV RLTY CO ADD LOT 11 BLK 2	4.80
024-134-010-000	DowntownCom	0.42	LIV RLTY CO ADD LOT 7 BLK 2	4.80
024-134-011-000	DowntownCom	0.42	LIV RLTY CO ADD LOT 6 BLK 2	4.80
024-134-012-000	DowntownCom	2.04	LIV RLTY CO ADD LOT 1-5 BLK 2	23.32
024-134-013-000	DowntownCom	0.08	LIV RLTY CO ADD LOT 8 BLK 2	0.84
024-134-015-000	DowntownCom	6.00	LIV RLTY CO ADD LOTS 9 & 10 BLK 2	68.64
024-135-006-000	CentralRes	1.00	LIV RLTY CO ADD LOT 15 BLK 9	52.64
024-135-007-000	CentralRes	1.00	LIV RLTY CO ADD LOT 14 BLK 9	52.64
024-135-008-000	CentralRes	1.00	LIV RLTY CO ADD LOT 13 BLK 9	52.64

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ASSESSOR'S PARCEL NUMBER	ZONE	EDU	LEGAL DESCRIPTION	CHARGE (\$)
024-135-009-000	CentralRes	1.00	LIV RLTY CO ADD LOT 12 BLK 9	52.64
024-135-010-000	CentralRes	1.00	LIV RLTY CO ADD LOT 11 BLK 9	52.64
024-136-001-000	DowntownCom	0.36	LIV RLTY CO ADD LOT 5 BLK 11	4.10
024-136-002-000	CentralRes	1.00	LIV RLTY CO ADD POR LOT 4 BLK 11	52.64
024-136-005-000	CentralRes	1.00	LIV RLTY CO ADD LOT 9 BLK 11	52.64
024-136-006-000	CentralRes	1.00	LIV RLTY CO ADD LOT 8 BLK 11	52.64
024-136-007-000	CentralRes	1.00	LIV RLTY CO ADD LOT 7 BLK 11	52.64
024-136-008-000	CentralRes	1.00	LIV RLTY CO ADD LOT 6 BLK 11	52.64
024-141-003-000	DowntownCom	1.56	LIV LD COL ADD #1 LOT 4&5 BLK 9	17.84
024-141-005-000	CentralRes	0.08	LIV LD COL ADD #1 LOT 8&9 BLK 9	4.10
024-141-006-000	CentralRes	1.00	LIV LD COL ADD#1 LOT 10 BLK 9	52.64
024-142-001-000	DowntownCom	0.78	LIV LD COL ADD #1 LOT 1 BLK 10	8.92
024-142-002-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 2 BLK 10	52.64
024-142-003-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 3 BLK 10	52.64
024-142-004-000	CentralRes	0.79	LIV LD COL ADD #1 LOT 4 BLK 10	41.68
024-142-005-000	DowntownCom	0.79	LIV LD COL ADD #1 LOT 5 BLK 10	9.06
024-142-006-000	CentralRes	2.00	LIV LD COL ADD #1 LOT 6 BLK 10	105.28
024-142-007-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 7 BLK 10	52.64
024-142-008-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 8 BLK 10	52.64
024-142-009-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 9 BLK 10	52.64
024-142-010-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 10 BLK 10	52.64
024-144-001-000	DowntownCom	1.20	LIV RLTY CO ADD LOT 3-5 BLK 4	13.72
024-144-002-000	DowntownCom	0.78	LIV RLTY CO ADD LOT 1&2 BLK 4	8.92
024-144-003-000	CentralRes	1.00	LIV RLTY CO ADD LOT 19&20 BLK 4	52.64
024-144-004-000	CentralRes	1.00	LIV RLTY CO ADD LOT 17&18 BLK 4	52.64
024-144-005-000	CentralRes	1.00	LIV RLTY CO ADD LOT 16 BLK 4	52.64
024-144-008-000	DowntownCom	1.32	LIV RLTY CO ADD LOT 13-15 BLK 4	15.10
024-144-009-000	DowntownCom	1.32	LIV RLTY CO ADD LOT 6-8 BLK 4	15.10
024-144-010-000	DowntownCom	1.32	LIV RLTY CO ADD LOT 9-12 BLK 4	15.10
024-145-002-000	CentralRes	1.00	LIV RLTY CO ADD LOT 3 BLK 8	52.64
024-145-003-000	CentralRes	1.00	LIV RLTY CO ADD LOT 1&2 BLK 8	52.64
024-145-004-000	CentralRes	1.00	LIV RLTY CO ADD LOT 10 BLK 8	52.64
024-145-005-000	CentralRes	1.00	LIV RLTY CO ADD LOT 9 BLK 8	52.64
024-145-006-000	CentralRes	1.00	LIV RLTY CO ADD LOT 8 BLK 8	52.64
024-145-007-000	CentralRes	1.00	LIV RLTY CO ADD LOT 7 POR 6 BLK 8	52.64
024-145-008-000	CentralRes	1.00	LIV RLTY CO ADD W 45'OF LOT 6 BLK 8	52.64
024-146-002-000	CentralRes	1.00	LIV RLTY CO ADD POR LOT 2&3 BLK 7	52.64
024-146-003-000	CentralRes	2.00	LIV RLTY CO ADD LOT 1 POR 2 BLK 7	105.28
024-146-006-000	CentralRes	1.00	LIV RLTY CO ADD POR LOT 8&9 BLK 7	52.64
024-146-007-000	CentralRes	1.00	LIV RLTY CO ADD LOT 7 POR 8 BLK 7	52.64
024-146-009-000	CentralRes	2.00	LIV RLTY CO ADD LOT 10 & E 15'OF 9 BLK 7	105.28
024-147-001-000	CentralRes	3.00	LIV RLTY CO ADD LOT 5 BLK 12	157.92
024-147-002-000	CentralRes	1.00	LIV RLTY CO ADD LOT 4 BLK 12	52.64
024-147-003-000	CentralRes	1.00	LIV RLTY CO ADD POR LOT 3 BLK 12	52.64
024-147-004-000	CentralRes	1.00	LIV RLTY CO ADD POR BLK 12	52.64
024-147-006-000	DowntownCom	1.44	LIV RLTY CO ADD POR BLK 12	16.46
024-148-001-000	CentralRes	1.00	LIV RLTY CO ADD LOT 5 BLK 13	52.64
024-148-002-000	CentralRes	1.00	LIV RLTY CO ADD LOT 4 BLK 13	52.64
024-148-003-000	CentralRes	1.00	LIV RLTY CO ADD LOT 3 BLK 13	52.64
024-148-004-000	CentralRes	1.00	LIV RLTY CO ADD LOT 2 BLK 13	52.64
024-148-005-000	CentralRes	1.00	LIV RLTY CO ADD LOT 1 BLK 13	52.64
024-148-006-000	CentralRes	1.00	LIV RLTY CO ADD LOT 10 BLK 13	52.64
024-148-007-000	CentralRes	1.00	LIV RLTY CO ADD LOT 9 BLK 13	52.64
024-148-008-000	CentralRes	1.00	LIV RLTY CO ADD LOT 8 BLK 13	52.64
024-148-009-000	CentralRes	1.00	LIV RLTY CO ADD LOT 7 BLK 13	52.64
024-148-010-000	CentralRes	1.00	LIV RLTY CO ADD LOT 6 BLK 13	52.64
024-151-005-000	DowntownCom	3.90	PARCEL 2 PM 54-26 SEC 25/6/11	44.60
024-151-006-000	DowntownCom	1.86	PARCEL 3 PM 54-26 SEC 25/6/11	21.26
024-151-007-000	DowntownCom	0.66	PARCEL 4 PM 54-26 SEC 25/6/11	7.54
024-153-002-000	CentralRes	0.30	LIV RLTY CO ADD LOT 5 BLK 17 LESS S 4 FT	15.78
024-153-003-000	DowntownCom	0.08	LIV RLTY CO ADD POR BLK 17	0.88
024-153-004-000	CentralRes	1.00	LIV RLTY CO ADD POR BLK 17	52.64
024-153-009-000	CentralRes	1.00	LIV RLTY CO ADD POR BLK 17 ETC	52.64
024-153-011-000	DowntownCom	1.56	LIV RLTY CO ADD POR BLK 17	17.84
024-154-005-000	DowntownCom	6.00	LIV RLTY CO SUB POR LOT 1&2	68.64
024-162-003-000	CentralRes	1.00	WILCOCK ADD LOT 2	52.64
024-162-004-000	CentralRes	1.00	WILCOCK ADD LOT 3	52.64
024-162-005-000	CentralRes	1.00	WILCOCK ADD LOT 4	52.64
024-162-006-000	CentralRes	3.00	WILCOCK ADD LOTS 5&6	157.92
024-162-007-000	CentralRes	1.00	WILCOCK ADD LOT 7	52.64
024-162-008-000	CentralRes	3.00	WILCOCK ADD LOT 8&9	157.92
024-162-009-000	CentralRes	1.00	WILCOCK ADD LOT 10&11	52.64

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ASSESSOR'S PARCEL NUMBER	ZONE	EDU	LEGAL DESCRIPTION	CHARGE (\$)
024-162-010-000	CentralRes	1.00	LIV LD COL SUB #2 POR LOT 24	52.64
024-162-011-000	CentralRes	0.09	LIV LD COL SUB #2 POR LOT 24	4.72
024-162-012-000	CentralRes	1.00	WILCOCK ADD LOT 14-16	52.64
024-162-015-000	CentralRes	2.00	LIV LD COL SUB #2 POR LOT 24	105.28
024-162-016-000	CentralRes	2.00	WATSON ADD LOT 13	105.28
024-162-017-000	CentralRes	3.00	WATSON ADD LOT 12 ETC	157.92
024-162-018-000	CentralRes	1.00	WILCOCK ADD LOT 22	52.64
024-162-019-000	CentralRes	1.00	WILCOCK ADD LOT 21	52.64
024-162-020-000	CentralRes	2.00	WILCOCK ADD LOT 20	105.28
024-162-021-000	CentralRes	1.00	WILCOCK ADD LOT 19	52.64
024-162-022-000	CentralRes	2.00	WILCOCK ADD LOT 18	105.28
024-162-023-000	CentralRes	1.00	WILCOCK ADD LOT 17	52.64
024-163-001-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 5 BLK 11	52.64
024-163-002-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 4 BLK 11	52.64
024-163-003-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 3 BLK 11	52.64
024-163-004-000	CentralRes	1.00	LIV LD COL ADD #1 POR BLK 11	52.64
024-163-005-000	CentralRes	1.00	LIV LD COL ADD #1 POR BLK 11	52.64
024-163-006-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 10 BLK 11	52.64
024-163-007-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 9 BLK 11	52.64
024-163-008-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 8 BLK 11	52.64
024-163-009-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 7 BLK 11	52.64
024-163-010-000	CentralRes	1.00	LIV LD COL ADD #1 LOT 6 BLK 11	52.64
024-171-001-000	CentralRes	1.00	LIV LD COL ADD #1 POR BLK 12	52.64
024-171-002-000	CentralRes	1.00	LIV LD COL ADD #1 E1/2 LOT 5 BLK 12	52.64
024-171-003-000	CentralRes	1.00	LIV LD COL ADD #1 POR BLK 12	52.64
024-171-006-000	CentralRes	1.00	LIV LD COL ADD #1 POR BLK 12	52.64
024-171-007-000	CentralRes	1.00	LIV LD COL ADD #1 POR BLK 12	52.64
024-171-008-000	CentralRes	1.00	LIV LD COL ADD #1 POR BLK 12	52.64
024-171-009-000	CentralRes	1.00	LIV LD COL ADD #1 POR BLK 12	52.64
024-171-010-000	CentralRes	1.00	LIV LD COL ADD #1 POR BLK 12	52.64
024-171-011-000	CentralRes	0.05	LIV LD COL ADD #1 POR BLK 12	2.84
024-171-012-000	CentralRes	1.00	LIV LD COL ADD #1 POR BLK 12	52.64
024-171-015-000	CentralRes	1.00	LIV LD COL ADD #2 POR BLK 12	52.64
024-171-016-000	CentralRes	0.09	LIV LD COL ADD #1 POR BLK 12	4.56
024-171-017-000	CentralRes	1.00	LIV LD COL ADD #1 E 1/2 LOT 8 BLK 12	52.64
024-171-018-000	CentralRes	1.00	LIV LD COL ADD #1 POR BLK 12	52.64
024-171-019-000	CentralRes	1.00	LIV LD COL ADD #1 POR BLK 12	52.64
024-171-020-000	CentralRes	2.00	LIV LD COL ADD#1 POR BLK 12	105.28
024-171-021-000	CentralRes	1.00	LIV LD COL ADD #1 S1/2 LOT 6 BLK 12	52.64
024-171-022-000	CentralRes	1.00	LIV LD COL ADD #1 N1/2 LOT 6 BLK 12	52.64
024-171-023-000	CentralRes	2.00	LIV LD COL ADD #1 POR BLK 12	105.28
024-171-024-000	CentralRes	2.00	LIV LD COL ADD #1 POR BLK 12	105.28
024-172-001-000	CentralRes	1.00	LIV RLTY CO ADD LOTS 19&20 BLK 5	52.64
024-172-002-000	CentralRes	1.00	LIV RLTY CO ADD LOT 18 BLK 5	52.64
024-172-003-000	CentralRes	1.00	LIV RLTY CO ADD LOT 17 BLK 5	52.64
024-172-004-000	CentralRes	1.00	LIV RLTY CO ADD LOT 16 BLK 5	52.64
024-172-005-000	CentralRes	1.00	LIV RLTY CO ADD LOT 15 BLK 5	52.64
024-172-006-000	CentralRes	1.00	LIV RLTY CO ADD LOT 14 BLK 5	52.64
024-172-007-000	CentralRes	1.00	LIV RLTY CO ADD LOTS 11-13 BLK 5	52.64
024-172-008-000	CentralRes	1.00	LIV RLTY CO ADD LOTS 9&10 BLK 5	52.64
024-172-009-000	CentralRes	1.00	LIV RLTY CO ADD LOTS 6-8 BLK 5	52.64
024-172-012-000	CentralRes	1.00	LIV RLTY CO ADD LOTS 1&2 BLK 5	52.64
024-172-013-000	CentralRes	1.00	LIV RLTY CO ADD LOT 3-5 BLK 5	52.64
024-173-002-000	CentralRes	1.00	LIV RLTY COL ADD LOT 12 BLK 6	52.64
024-173-003-000	CentralRes	1.00	LIV RLTY CO ADD LOT 11 BLK 6	52.64
024-173-004-000	CentralRes	1.00	LIV RLTY CO ADD LOT 10 BLK 6	52.64
024-173-008-000	CentralRes	1.00	LIV RLTY CO ADD LOT 4 BLK 6	52.64
024-173-009-000	CentralRes	1.00	LIV RLTY CO ADD LOT 3 BLK 6	52.64
024-173-010-000	CentralRes	1.00	LIV RLTY CO ADD LOTS 1&2 BLK 6	52.64
024-173-011-000	CentralRes	1.00	PARCEL 2 PM 9-46 SEC 25/6/11	52.64
024-173-012-000	CentralRes	1.00	PARCEL 1 PM 9-46 SEC 25/6/11	52.64
024-173-013-000	CentralRes	1.00	LIV RLTY CO ADD W 52' LOTS 8&9 BLK 6	52.64
024-173-014-000	CentralRes	1.00	LIV RLTY CO ADD E 65' LOTS 8&9 BLK 6	52.64
024-173-015-000	CentralRes	1.00	LIV RLTY CO ADD LOT14 BLK 6	52.64
024-173-016-000	CentralRes	2.00	LIV RLTY CO ADD LOT13 BLK 6	105.28
024-181-001-000	CentralRes	1.00	LIV RLTY CO ADD LOT 14 BLK 14	52.64
024-181-002-000	CentralRes	1.00	LIV RLTY CO ADD LOT 13 BLK 14	52.64
024-181-003-000	CentralRes	1.00	LIV RLTY CO ADD LOT 12 BLK 14	52.64
024-181-005-000	CentralRes	1.00	LIV RLTY CO ADD LOTS 8&9 BLK 14	52.64
024-181-006-000	CentralRes	1.00	LIV RLTY CO ADD LOT 7 ETC BLK 14	52.64
024-181-007-000	CentralRes	1.00	LIV RLTY CO ADD N 42FT LOT 6 BLK 14	52.64
024-181-008-000	CentralRes	1.00	LIV RLTY CO ADD LOT 5 BLK 14	52.64

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ASSESSOR'S PARCEL NUMBER	ZONE	EDU	LEGAL DESCRIPTION	CHARGE (\$)
024-181-009-000	CentralRes	1.00	LIV RLTY CO ADD LOT 4 BLK 14	52.64
024-181-010-000	CentralRes	1.00	LIV RLTY CO ADD LOT 3 BLK 14	52.64
024-181-011-000	CentralRes	1.00	LIV RLTY CO ADD LOT 2 BLK 14	52.64
024-181-012-000	CentralRes	1.00	LIV RLTY CO ADD LOT 1 BLK 14	52.64
024-181-013-000	CentralRes	2.00	LIV RLTY CO ADD LOT 11 BLK 14	105.28
024-181-014-000	CentralRes	1.00	LIV RLTY CO ADD LOT 10 BLK 14	52.64
024-182-001-000	CentralRes	1.00	LIV RLTY CO ADD LOT 6 BLK 16	52.64
024-182-004-000	CentralRes	1.00	LIV RLTY CO ADD LOT 12 BLK 16	52.64
024-182-005-000	CentralRes	1.00	LIV RLTY CO ADD LOT 11 BLK 16	52.64
024-182-008-000	CentralRes	1.00	LIV RLTY CO ADD LOT 9 BLK 16	52.64
024-182-009-000	CentralRes	1.00	LIV RLTY CO ADD LOT 8 BLK 16	52.64
024-182-010-000	CentralRes	1.00	LIV RLTY CO ADD LOT 7 BLK 16	52.64
024-182-012-000	CentralRes	1.00	LIV RLTY CO ADD LOT 1 BLK 16	52.64
024-182-013-000	CentralRes	1.00	LIV RLTY CO ADD LOT 10 BLK 16	52.64
024-182-014-000	CentralRes	1.00	LIV RLTY CO ADD LOT 3 BLK 16	52.64
024-182-015-000	CentralRes	1.00	LIV RLTY CO ADD LOT 2 BLK 16	52.64
024-182-016-000	CentralRes	0.04	LIV RLTY CO ADD LOT 5 BLK 16	2.04
024-182-017-000	CentralRes	1.00	LIV RLTY CO ADD LOT 4 BLK 16	52.64
024-183-004-000	CentralRes	1.00	LIV RLTY CO ADD LOT 11 BLK 15	52.64
024-183-005-000	CentralRes	1.00	LIV RLTY CO ADD LOT 10 BLK 15	52.64
024-183-006-000	CentralRes	1.00	LIV RLTY CO ADD LOTS 8&9 BLK 15	52.64
024-183-007-000	CentralRes	1.00	LIV RLTY CO ADD LOTS 6&7 BLK 15	52.64
024-183-008-000	CentralRes	1.00	LIV RLTY CO ADD LOT 5 BLK 15	52.64
024-183-009-000	CentralRes	1.00	LIV RLTY CO ADD LOT 4 BLK 15	52.64
024-183-010-000	CentralRes	1.00	LIV RLTY CO ADD LOT 3 BLK 15	52.64
024-183-011-000	CentralRes	1.00	LIV RLTY CO ADD LOT 2 BLK 15	52.64
024-183-012-000	CentralRes	1.00	LIV RLTY CO ADD LOT 1 BLK 15	52.64
024-183-013-000	CentralRes	2.00	LIV RLTY CO ADD LOT 12 ETC BLK 15	105.28
024-183-014-000	CentralRes	1.00	LIV RLTY CO ADD LOT 14 ETC BLK 15	52.64
024-184-001-000	CentralRes	0.09	LIV RLTY CO SUB POR LOT 3	4.72
024-184-002-000	CentralRes	1.00	LIV RLTY CO SUB POR LOT 3	52.64
024-184-007-000	CentralRes	1.00	LIV RLTY CO SUB POR LOT 4	52.64
024-184-008-000	CentralRes	1.00	LIV RLTY CO SUB POR LOT 4	52.64
024-184-009-000	CentralRes	1.00	LIV RLTY CO SUB POR LOT 4	52.64
024-184-014-000	CentralRes	1.00	LIV RLTY CO SUB POR LOT 21	52.64
024-184-016-000	CentralRes	4.00	LIV RLTY CO SUB POR LOT 21	210.56
024-184-017-000	CentralRes	1.00	LIV RLTY CO SUB POR LOT 11	52.64
024-184-018-000	CentralRes	12.00	LIV RLTY CO SUB N 85' LOT 11	631.68
024-184-020-000	CentralRes	23.00	LIV RLTY CO SUB POR LOT 10	1,210.72
024-184-021-000	CentralRes	4.00	LIV RLTY CO SUB POR LOT 3	210.56
024-184-024-000	SouthCom	2.94	LIV RLTY CO SUB POR LOT 20	33.62
024-184-025-000	CentralRes	11.00	PARCEL 2 PM 21-28 SEC 25/6/11	579.04
024-184-026-000	CentralRes	0.09	PARCEL B PM 38-38 SEC 25/6/11	4.72
024-184-027-000	CentralRes	1.00	PARCEL A PM 38-38 SEC 25/6/11	52.64
024-184-028-000	CentralRes	1.00	PARCEL B PM 39-42 SEC 25/6/11	52.64
024-184-029-000	CentralRes	1.00	PARCEL A PM 39-42 SEC 25/6/11	52.64
024-184-030-000	CentralRes	7.00	PARCEL 1 PM 46-30 SEC 25/6/11	368.48
024-184-031-000	CentralRes	0.09	PARCEL 2 PM 46-30 SEC 25/6/11	4.72
024-184-032-000	CentralRes	23.00	PARCEL 1 PM 53-21 SEC 25/6/11	1,210.72
024-184-034-000	CentralRes	1.00	LIV RLTY CO SUB N 120' OF W 50.01' LOT 4	52.64
024-184-035-000	CentralRes	0.09	LIV RLTY CO SUB POR LOT 4	4.72
024-184-036-000	CentralRes	1.00	LIV RLTY CO SUB POR LOT 10	52.64
024-184-037-000	CentralRes	6.00	LIV RLTY CO SUB LOT 9 & N 25' LOT 12	315.84
024-191-001-000	CentralRes	1.00	LIV RLTY CO SUB POR LOT 5	52.64
024-191-005-000	CentralRes	0.09	LIV RLTY CO SUB POR LOT 6	4.72
024-191-006-000	CentralRes	0.09	LIV RLTY CO SUB POR LOT 6	4.72
024-191-010-000	CentralRes	0.09	LIV RLTY CO SUB N50' S100' E180' LOT 14	4.72
024-191-011-000	CentralRes	0.09	LIV RLTY CO SUB POR LOT 14	4.72
024-191-015-000	CentralRes	1.00	LIV RLTY CO SUB POR LOT 19	52.64
024-191-017-000	CentralRes	1.00	LIV RLTY CO SUB POR LOT 19	52.64
024-191-021-000	CentralRes	1.00	LIV RLTY CO SUB POR LOT 8	52.64
024-191-026-000	CentralRes	1.00	PARCEL 1 PM 8-42 SEC 25/6/11	52.64
024-191-028-000	CentralRes	1.00	PARCEL 1 PM 21-7 SEC 25/6/11	52.64
024-191-029-000	CentralRes	1.00	LIV RLTY CO SUB POR LOT 19	52.64
024-191-030-000	CentralRes	7.00	LIV RLTY CO SUB POR LOT 19	368.48
024-191-032-000	CentralRes	1.00	PARCEL 1 PM 40-21 SEC 25/6/11	52.64
024-191-035-000	CentralRes	1.00	LIV RLTY CO SUB POR LOT 18	52.64
024-191-036-000	CentralRes	0.30	PARCEL 1 PM 43-14 SEC 25/6/11	15.78
024-191-037-000	CentralRes	1.00	PARCEL 2 PM 43-14 SEC 25/6/11	52.64
024-191-038-000	CentralRes	17.00	PARCELS 2&3 PM 40-21 SEC 25/6/11	894.88
024-191-039-000	CentralRes	0.09	LIV RLTY CO SUB POR LOTS 5 & 6	4.72
024-191-040-000	CentralRes	1.00	LIV RLTY CO SUB POR LOT 6	52.64

LMD Zones 7 through 12
Commercial & Residential
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	ZONE	EDU	LEGAL DESCRIPTION	CHARGE (\$)
024-241-002-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 92	52.64
024-241-003-000	SouthRes	1.00	JOSEPH TR LOT 29	52.64
024-241-004-000	SouthRes	1.00	JOSEPH TR LOT 30	52.64
024-241-008-000	SouthRes	1.00	JOSEPH TR LOT 31	52.64
024-241-009-000	SouthRes	1.00	JOSEPH TR LOT 32	52.64
024-241-010-000	SouthRes	1.00	JOSEPH TR LOT 33	52.64
024-241-011-000	SouthRes	1.00	JOSEPH TR LOT 42	52.64
024-241-012-000	SouthRes	1.00	JOSEPH TR LOT 43	52.64
024-241-013-000	SouthRes	1.00	JOSEPH TR LOT 44	52.64
024-241-014-000	SouthRes	1.00	JOSEPH TR LOT 45	52.64
024-241-015-000	SouthRes	1.00	JOSEPH TR LOT 46	52.64
024-241-019-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 92	52.64
024-241-020-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 92	52.64
024-241-021-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 92	52.64
024-241-022-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 92	52.64
024-241-023-000	SouthRes	1.00	PARCEL 2 PM 4-3 SEC 25/6/11	52.64
024-241-024-000	SouthRes	1.00	PARCEL 3 PM 4-3 SEC 25/6/11	52.64
024-241-025-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 92	52.64
024-242-003-000	SouthRes	1.00	JOSEPH TR LOT 23	52.64
024-242-004-000	SouthRes	1.00	JOSEPH TR LOT 24	52.64
024-242-010-000	SouthRes	1.00	JOSEPH TR LOT 6	52.64
024-242-011-000	SouthRes	1.00	JOSEPH TR LOT 7	52.64
024-242-012-000	SouthRes	1.00	JOSEPH TR LOT 8	52.64
024-242-013-000	SouthRes	1.00	JOSEPH TR LOT 9	52.64
024-242-014-000	SouthRes	1.00	JOSEPH TR LOT 10	52.64
024-242-015-000	SouthRes	1.00	JOSEPH TR LOT 19	52.64
024-242-016-000	SouthRes	1.00	JOSEPH TR LOT 20	52.64
024-242-017-000	SouthRes	1.00	JOSEPH TR LOT 21	52.64
024-242-018-000	SouthRes	1.00	JOSEPH TR LOT 22	52.64
024-242-019-000	SouthRes	1.00	JOSEPH TR LOT 25	52.64
024-242-020-000	SouthRes	1.00	JOSEPH TR LOT 26	52.64
024-242-021-000	SouthRes	1.00	JOSEPH TR LOT 27	52.64
024-242-022-000	SouthRes	1.00	JOSEPH TR LOT 28	52.64
024-242-023-000	SouthRes	1.00	JOSEPH TR LOT 5 POR 4	52.64
024-242-025-000	SouthRes	1.00	JOSEPH TR LOT 3 & POR LOT 4	52.64
024-242-026-000	SouthRes	1.00	JOSEPH TR W 52' LOTS 1 & 2	52.64
024-242-027-000	SouthRes	1.00	JOSEPH TR POR LOT 1 & 2	52.64
024-243-001-000	SouthRes	1.00	TAMIMI TR #1 LOT 1	52.64
024-243-002-000	SouthRes	1.00	TAMIMI TR #1 LOT 2	52.64
024-243-003-000	SouthRes	1.00	TAMIMI TR #1 LOT 3	52.64
024-243-004-000	SouthRes	1.00	TAMIMI TR #1 LOT 4	52.64
024-243-005-000	SouthRes	1.00	TAMIMI TR #1 LOT 5	52.64
024-243-006-000	SouthRes	1.00	TAMIMI TR #1 LOT 6	52.64
024-243-007-000	SouthRes	1.00	TAMIMI TR #1 LOT 7	52.64
024-243-008-000	SouthRes	1.00	TAMIMI TR #1 LOT 8	52.64
024-243-009-000	SouthRes	1.00	TAMIMI TR #1 LOT 9	52.64
024-243-010-000	SouthRes	1.00	TAMIMI TR #1 LOT 10	52.64
024-243-012-000	SouthRes	1.00	VILLAGE EAST LOT 9	52.64
024-243-013-000	SouthRes	1.00	VILLAGE EAST LOT 8	52.64
024-243-014-000	SouthRes	1.00	VILLAGE EAST LOT 7	52.64
024-243-015-000	SouthRes	1.00	VILLAGE EAST LOT 6	52.64
024-243-016-000	SouthRes	1.00	VILLAGE EAST LOT 5	52.64
024-243-017-000	SouthRes	1.00	VILLAGE EAST LOT 4	52.64
024-243-018-000	SouthRes	1.00	VILLAGE EAST LOT 3	52.64
024-243-019-000	SouthRes	1.00	VILLAGE EAST LOT 2	52.64
024-243-020-000	SouthRes	1.00	VILLAGE EAST LOT 1	52.64
024-244-003-000	SouthRes	1.00	VILLAGE EAST LOT 39	52.64
024-244-004-000	SouthRes	1.00	VILLAGE EAST LOT 40	52.64
024-244-005-000	SouthRes	1.00	VILLAGE EAST LOT 41	52.64
024-244-006-000	SouthRes	1.00	VILLAGE EAST LOT 42	52.64
024-244-007-000	SouthRes	1.00	VILLAGE EAST LOT 43	52.64
024-244-012-000	SouthRes	1.00	VILLAGE EAST LOT 30	52.64
024-244-013-000	SouthRes	1.00	VILLAGE EAST LOT 31	52.64
024-244-014-000	SouthRes	1.00	VILLAGE EAST LOT 32	52.64
024-244-015-000	SouthRes	1.00	VILLAGE EAST LOT 33	52.64
024-244-016-000	SouthRes	1.00	VILLAGE EAST LOT 34	52.64
024-244-019-000	SouthRes	1.00	PARCEL F PM 33-6 SEC 25/6/11	52.64
024-244-020-000	SouthRes	1.00	PARCEL G PM 33-6 SEC 25/6/11	52.64
024-244-021-000	SouthRes	1.00	PARCEL H PM 33-6 SEC 25/6/11	52.64
024-244-022-000	SouthRes	1.00	PARCEL I PM 33-6 SEC 25/6/11	52.64
024-244-023-000	SouthRes	1.00	PARCEL J PM 33-6 SEC 25/6/11	52.64
024-244-024-000	SouthRes	1.00	PARCEL K PM 33-6 SEC 25/6/11	52.64

**LMD Zones 7 through 12
Commercial & Residential
Fiscal Year 2019/20 Preliminary Assessment Roll**

ASSESSOR'S PARCEL NUMBER	ZONE	EDU	LEGAL DESCRIPTION	CHARGE (\$)
024-244-025-000	SouthRes	1.00	PARCEL L PM 33-6 SEC 25/6/11	52.64
024-244-026-000	SouthRes	1.00	PARCEL M PM 33-6 SEC 25/6/11	52.64
024-244-027-000	SouthRes	1.00	PARCEL N PM 33-6 SEC 25/6/11	52.64
024-244-028-000	SouthRes	1.00	PARCEL O PM 33-6 SEC 25/6/11	52.64
024-251-003-000	SouthCom	6.00	MASONIC TR LOTS 16&17 POR 18	68.64
024-251-006-000	SouthRes	1.00	JOSEPH TR LOT 34	52.64
024-251-007-000	SouthRes	1.00	JOSEPH TR LOT 35	52.64
024-251-008-000	SouthRes	1.00	JOSEPH TR LOT 36	52.64
024-251-009-000	SouthRes	1.00	JOSEPH TR LOT 37	52.64
024-251-010-000	SouthRes	1.00	JOSEPH TR LOT 38	52.64
024-251-011-000	SouthRes	1.00	JOSEPH TR LOT 39	52.64
024-251-012-000	SouthRes	1.00	JOSEPH TR LOT 40	52.64
024-251-013-000	SouthRes	1.00	JOSEPH TR LOT 41	52.64
024-251-014-000	SouthCom	6.00	MASONIC TR LOT 15 POR 14	68.64
024-251-016-000	SouthRes	0.09	JOSEPH TR ABD ALLEY	4.72
024-251-018-000	SouthRes	1.00	MASONIC TR POR LOT 11 ETC	52.64
024-251-019-000	SouthRes	1.00	MASONIC TR LOT 12 POR 11&13	52.64
024-251-020-000	SouthRes	1.00	MASONIC TR POR LOTS 13&14	52.64
024-252-005-000	SouthRes	1.00	JOSEPH TR LOT 11	52.64
024-252-006-000	SouthRes	1.00	JOSEPH TR LOT 12	52.64
024-252-007-000	SouthRes	1.00	JOSEPH TR LOT 13	52.64
024-252-008-000	SouthRes	1.00	JOSEPH TR LOT 14	52.64
024-252-009-000	SouthRes	1.00	JOSEPH TR LOT 15	52.64
024-252-010-000	SouthRes	1.00	JOSEPH TR LOT 16	52.64
024-252-011-000	SouthRes	1.00	JOSEPH TR LOT 17	52.64
024-252-012-000	SouthRes	1.00	JOSEPH TR LOT 18	52.64
024-252-013-000	SouthRes	1.00	MASONIC TR LOT 6 & S 1/2 OF LOT 7	52.64
024-252-015-000	SouthRes	1.00	MASONIC TR LOT 8 & N 1/2 LOT 7	52.64
024-252-017-000	SouthRes	1.00	MASONIC TR LOT 9	52.64
024-252-018-000	SouthRes	1.00	MASONIC TR LOT 10	52.64
024-252-019-000	SouthRes	1.00	MASONIC TR LOT 1	52.64
024-252-020-000	SouthRes	1.00	MASONIC TR LOT 3	52.64
024-252-021-000	SouthRes	1.00	MASONIC TR LOT 2	52.64
024-252-022-000	SouthRes	1.00	MASONIC TR LOT 4	52.64
024-252-023-000	SouthRes	1.00	MASONIC TR LOT 5	52.64
024-253-001-000	SouthRes	1.00	TAMIMI TR #1 LOT 11	52.64
024-253-002-000	SouthRes	1.00	TAMIMI TR #1 LOT 12	52.64
024-253-003-000	SouthRes	1.00	TAMIMI TR #1 LOT 13	52.64
024-253-004-000	SouthRes	1.00	TAMIMI TR #1 LOT 14	52.64
024-253-005-000	SouthRes	1.00	TAMIMI TR #1 LOT 15	52.64
024-253-006-000	SouthRes	1.00	TAMIMI TR #1 LOT 16	52.64
024-253-007-000	SouthRes	1.00	TAMIMI TR #1 LOT 17	52.64
024-253-008-000	SouthRes	1.00	TAMIMI TR #1 LOT 18	52.64
024-253-009-000	SouthRes	1.00	TAMIMI TR #1 LOT 19	52.64
024-253-011-000	SouthRes	1.00	VILLAGE EAST LOT 18	52.64
024-253-012-000	SouthRes	1.00	VILLAGE EAST LOT 17	52.64
024-253-013-000	SouthRes	1.00	VILLAGE EAST LOT 16	52.64
024-253-014-000	SouthRes	1.00	VILLAGE EAST LOT 15	52.64
024-253-015-000	SouthRes	1.00	VILLAGE EAST LOT 14	52.64
024-253-016-000	SouthRes	1.00	VILLAGE EAST LOT 13	52.64
024-253-017-000	SouthRes	1.00	VILLAGE EAST LOT 12	52.64
024-253-018-000	SouthRes	1.00	VILLAGE EAST LOT 11	52.64
024-253-019-000	SouthRes	1.00	VILLAGE EAST LOT 10	52.64
024-254-003-000	SouthRes	1.00	VILLAGE EAST LOT 48	52.64
024-254-004-000	SouthRes	1.00	VILLAGE EAST LOT 49	52.64
024-254-005-000	SouthRes	1.00	VILLAGE EAST LOT 50	52.64
024-254-006-000	SouthRes	1.00	VILLAGE EAST LOT 51	52.64
024-254-007-000	SouthRes	1.00	VILLAGE EAST LOT 52	52.64
024-254-008-000	SouthRes	1.00	VILLAGE EAST LOT 53	52.64
024-254-009-000	SouthRes	1.00	VILLAGE EAST LOT 54	52.64
024-254-010-000	SouthRes	1.00	VILLAGE EAST LOT 19	52.64
024-254-011-000	SouthRes	1.00	VILLAGE EAST LOT 20	52.64
024-254-012-000	SouthRes	1.00	VILLAGE EAST LOT 21	52.64
024-254-013-000	SouthRes	1.00	VILLAGE EAST LOT 22	52.64
024-254-014-000	SouthRes	1.00	VILLAGE EAST LOT 23	52.64
024-254-015-000	SouthRes	1.00	VILLAGE EAST LOT 24	52.64
024-254-016-000	SouthRes	1.00	VILLAGE EAST LOT 25	52.64
024-254-019-000	SouthRes	1.00	PARCEL B PM 33-6 SEC 25/6/11	52.64
024-254-020-000	SouthRes	1.00	PARCEL C PM 33-6 SEC 25/6/11	52.64
024-254-021-000	SouthRes	1.00	PARCEL E PM 33-6 SEC 25/6/11	52.64
024-254-022-000	SouthRes	1.00	PARCEL D PM 33-6 SEC 25/6/11	52.64
024-254-023-000	SouthRes	1.00	PARCEL A PM 33-6 SEC 25/6/11	52.64

LMD Zones 7 through 12
Commercial & Residential
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ASSESSOR'S PARCEL NUMBER	ZONE	EDU	LEGAL DESCRIPTION	CHARGE (\$)
024-262-001-000	SouthRes	1.00	TEMPO EST #5 LOT 61	52.64
024-262-002-000	SouthRes	1.00	TEMPO EST #5 LOT 60	52.64
024-262-003-000	SouthRes	1.00	TEMPO EST #5 LOT 59	52.64
024-262-004-000	SouthRes	1.00	TEMPO EST #5 LOT 58	52.64
024-262-005-000	SouthRes	1.00	TEMPO EST #5 LOT 57	52.64
024-262-006-000	SouthRes	1.00	TEMPO EST #5 LOT 56	52.64
024-262-007-000	SouthRes	1.00	TEMPO EST #5 LOT 55	52.64
024-262-008-000	SouthRes	1.00	TEMPO EST #5 LOT 54	52.64
024-262-009-000	SouthRes	1.00	TEMPO EST #5 LOT 53	52.64
024-262-010-000	SouthRes	1.00	TEMPO EST #5 LOT 52	52.64
024-262-011-000	SouthRes	1.00	TEMPO EST #5 LOT 51	52.64
024-262-012-000	SouthRes	1.00	TEMPO EST #5 LOT 50	52.64
024-262-013-000	SouthRes	1.00	TEMPO EST #5 LOT 49	52.64
024-262-014-000	SouthRes	1.00	TEMPO EST #5 LOT 48	52.64
024-263-001-000	SouthRes	1.00	WINTON SUB #2 LOT 52	52.64
024-263-002-000	SouthRes	1.00	WINTON SUB #2 LOT 53	52.64
024-263-003-000	SouthRes	1.00	WINTON SUB #2 LOT 54	52.64
024-263-007-000	SouthRes	1.00	TEMPO EST #3 LOT 3	52.64
024-263-008-000	SouthRes	1.00	TEMPO EST #3 LOT 2	52.64
024-263-009-000	SouthRes	1.00	TEMPO EST #3 LOT 1	52.64
024-264-001-000	SouthRes	1.00	LEW MITCHELL SUB POR LOT 38	52.64
024-264-002-000	SouthRes	1.00	LEW MITCHELL SUB POR LOT 38 ETC	52.64
024-264-003-000	SouthRes	1.00	PARCEL 3 PM 15-2 SEC 26/6/11	52.64
024-264-004-000	SouthRes	1.00	LIV LD COL SUB#2 POR LOT 62	52.64
024-264-005-000	SouthRes	1.00	PAR 5 PM 15-2 SEC 26/6/11	52.64
024-264-006-000	SouthRes	1.00	LIV LD COL SUB#2 POR LOT 62	52.64
024-264-007-000	SouthRes	1.00	LIV LD CO SUB#2 POR LOT 62	52.64
024-264-008-000	SouthRes	1.00	LIV LD CO SUB #2 POR LOT 62	52.64
024-264-009-000	SouthRes	1.00	TEMPO EST #5 LOT 66	52.64
024-264-010-000	SouthRes	1.00	TEMPO EST #5 LOT 65	52.64
024-264-011-000	SouthRes	1.00	TEMPO EST #5 LOT 64	52.64
024-264-012-000	SouthRes	1.00	TEMPO EST #5 LOT 63	52.64
024-264-013-000	SouthRes	1.00	TEMPO EST #5 LOT 62	52.64
024-265-001-000	SouthRes	1.00	WINTON SUB #2 LOT 31	52.64
024-265-002-000	SouthRes	1.00	WINTON SUB #2 LOT 32 POR 33	52.64
024-265-003-000	SouthRes	1.00	WINTON SUB #2 LOT 49	52.64
024-265-004-000	SouthRes	1.00	WINTON SUB #2 LOT 50	52.64
024-265-005-000	SouthRes	1.00	WINTON SUB #2 LOT 51	52.64
024-266-001-000	SouthRes	1.00	LEW MITCHELL POR LOT 38	52.64
024-266-003-000	SouthRes	1.00	LIV LD CO SUB #2 POR LOT 62	52.64
024-266-004-000	SouthRes	1.00	LIV LD CO SUB #2 POR LOT 62	52.64
024-266-005-000	SouthRes	1.00	LIV LD CO SUB #2 POR LOT 62	52.64
024-266-006-000	SouthRes	1.00	LIV LD CO SUB #2 POR LOT 62	52.64
024-266-007-000	SouthRes	1.00	LIV LD CO SUB #2 POR LOT 62	52.64
024-266-008-000	SouthRes	1.00	LIV LD COL SUB #2 POR LOTS 34&62	52.64
024-266-009-000	SouthRes	1.00	LIV LD COL SUB #2 POR LOT 34 ETC	52.64
024-266-010-000	SouthRes	1.00	LEW MITCHELL SUB POR LOT 38	52.64
024-267-001-000	SouthRes	1.00	WINTON SUB LOT 1	52.64
024-267-002-000	SouthRes	1.00	WINTON SUB LOT 2 POR 3	52.64
024-267-003-000	SouthRes	1.00	WINTON SUB LOT 4 POR 3	52.64
024-267-004-000	SouthRes	1.00	WINTON SUB LOT 27 POR LOT 26	52.64
024-267-005-000	SouthRes	1.00	WINTON SUB LOT 28 & S35 LOT 29	52.64
024-267-006-000	SouthRes	1.00	WINTON SUB LOT 30 N 25 FT LOT 29	52.64
024-271-008-000	SouthRes	1.00	LEW MITCHELL SUB POR LOT 27	52.64
024-271-009-000	SouthRes	1.00	PARKSIDE MANOR LOT 4	52.64
024-271-010-000	SouthRes	1.00	PARKSIDE MANOR LOT 3	52.64
024-271-011-000	SouthRes	1.00	PARKSIDE MANOR LOT 2	52.64
024-271-012-000	SouthRes	1.00	PARKSIDE MANOR LOT 1	52.64
024-271-013-000	SouthRes	1.00	PARCEL A PM 11-13 SEC 26/6/11	52.64
024-271-014-000	SouthRes	1.00	PARCEL B PM 11-13 SEC 26/6/11	52.64
024-271-015-000	SouthRes	1.00	PARCEL C PM 11-13 SEC 26/6/11	52.64
024-272-001-000	SouthRes	1.00	PARKSIDE MANOR LOT 50	52.64
024-272-002-000	SouthRes	1.00	PARKSIDE MANOR LOT 49	52.64
024-272-003-000	SouthRes	1.00	PARKSIDE MANOR LOT 48	52.64
024-272-004-000	SouthRes	1.00	PARKSIDE MANOR LOT 47	52.64
024-272-005-000	SouthRes	1.00	PARKSIDE MANOR LOT 54	52.64
024-272-006-000	SouthRes	1.00	PARKSIDE MANOR LOT 53	52.64
024-272-007-000	SouthRes	1.00	PARKSIDE MANOR LOT 52	52.64
024-272-008-000	SouthRes	1.00	PARKSIDE MANOR LOT 51	52.64
024-273-001-000	SouthRes	1.00	LEW MITCHELL SUB POR LOT 26	52.64
024-273-002-000	SouthRes	1.00	LEW MITCHELL SUB POR LOT 25	52.64
024-273-003-000	SouthRes	1.00	LEW MITCHELL SUB POR LOT 24	52.64

**LMD Zones 7 through 12
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ASSESSOR'S PARCEL NUMBER	ZONE	EDU	LEGAL DESCRIPTION	CHARGE (\$)
024-273-004-000	SouthRes	1.00	LEW MITCHELL SUB POR LOT 23	52.64
024-273-005-000	SouthRes	1.00	LEW MITCHELL SUB POR LOT 22	52.64
024-273-006-000	SouthRes	1.00	LEW MITCHELL SUB POR LOT 21	52.64
024-273-007-000	SouthRes	1.00	LEW MITCHELL SUB POR LOT 1	52.64
024-273-008-000	SouthRes	1.00	LEW MITCHELL SUB POR LOT 2	52.64
024-273-009-000	SouthRes	1.00	LEW MITCHELL SUB POR LOT 3	52.64
024-273-010-000	SouthRes	1.00	LEW MITCHELL SUB POR LOT 4	52.64
024-273-011-000	SouthRes	1.00	LEW MITCHELL SUB POR LOTS 5&6	52.64
024-273-012-000	SouthRes	1.00	LEW MITCHELL SUB POR LOT 7	52.64
024-273-013-000	SouthRes	1.00	LEW MITCHELL SUB POR LOT 8	52.64
024-273-014-000	SouthRes	1.00	PARKSIDE MANOR LOT 14	52.64
024-273-015-000	SouthRes	1.00	PARKSIDE MANOR LOT 13	52.64
024-273-016-000	SouthRes	1.00	PARKSIDE MANOR LOT 12	52.64
024-273-017-000	SouthRes	1.00	PARKSIDE MANOR LOT 11	52.64
024-273-018-000	SouthRes	1.00	PARKSIDE MANOR LOT 10	52.64
024-273-019-000	SouthRes	1.00	PARKSIDE MANOR LOT 9	52.64
024-273-020-000	SouthRes	1.00	PARKSIDE MANOR LOT 8	52.64
024-273-021-000	SouthRes	1.00	PARKSIDE MANOR LOT 7	52.64
024-273-022-000	SouthRes	1.00	PARKSIDE MANOR LOT 6	52.64
024-273-023-000	SouthRes	1.00	PARKSIDE MANOR LOT 5	52.64
024-274-001-000	SouthRes	1.00	PARKSIDE MANOR LOT 30	52.64
024-274-002-000	SouthRes	1.00	PARKSIDE MANOR LOT 29	52.64
024-274-003-000	SouthRes	1.00	PARKSIDE MANOR LOT 28	52.64
024-274-004-000	SouthRes	1.00	PARKSIDE MANOR LOT 27	52.64
024-274-005-000	SouthRes	1.00	PARKSIDE MANOR LOT 34	52.64
024-274-006-000	SouthRes	1.00	PARKSIDE MANOR LOT 33	52.64
024-274-007-000	SouthRes	1.00	PARKSIDE MANOR LOT 32	52.64
024-274-008-000	SouthRes	1.00	PARKSIDE MANOR LOT 31	52.64
024-275-001-000	SouthRes	1.00	LIV LD CO SUB #2 POR LOT 33	52.64
024-275-002-000	SouthRes	1.00	PATZER ADD LOT 3	52.64
024-275-003-000	SouthRes	1.00	PATZER ADD LOT 2	52.64
024-275-004-000	SouthRes	2.00	PATZER ADD LOT 1	105.28
024-275-005-000	SouthRes	1.00	PATZER ADD LOT 9	52.64
024-275-006-000	SouthRes	1.00	PATZER ADD LOT 8	52.64
024-275-007-000	SouthRes	1.00	PATZER ADD LOT 7	52.64
024-275-010-000	SouthRes	1.00	PATZER ADD LOT 6	52.64
024-275-011-000	SouthRes	1.00	PATZER ADD LOT 5	52.64
024-275-012-000	SouthRes	1.00	PATZER ADD LOT 4	52.64
024-275-013-000	SouthRes	1.00	PAR 3 PM 17-42 SEC 26/6/11	52.64
024-275-014-000	SouthRes	1.00	PAR 4 PM 17-42 SEC 26/6/11	52.64
024-275-015-000	SouthRes	1.00	PARCEL 2 PM 17-42 SEC 26/6/11	52.64
024-275-016-000	SouthRes	1.00	PARCEL 1 PM 17-42 SEC 26/6/11	52.64
024-281-009-000	SouthRes	1.00	SUNSET VILLA LOT 1	52.64
024-281-010-000	SouthRes	1.00	SUNSET VILLA LOT 2	52.64
024-281-011-000	SouthRes	1.00	SUNSET VILLA LOT 3	52.64
024-281-012-000	SouthRes	1.00	SUNSET VILLA LOT 4	52.64
024-281-013-000	SouthRes	1.00	SUNSET VILLA LOT 5	52.64
024-281-014-000	SouthRes	1.00	SUNSET VILLA LOT 6	52.64
024-281-015-000	SouthRes	1.00	SUNSET VILLA LOT 7	52.64
024-281-016-000	SouthRes	1.00	SUNSET VILLA LOT 8	52.64
024-281-017-000	SouthRes	1.00	SUNSET VILLA LOT 9	52.64
024-281-018-000	SouthRes	1.00	SUNSET VILLA LOT 10	52.64
024-281-019-000	SouthRes	1.00	SUNSET VILLA LOT 11	52.64
024-281-020-000	SouthRes	1.00	SUNSET VILLA LOT 12	52.64
024-281-021-000	SouthRes	1.00	SUNSET VILLA LOT 13	52.64
024-281-022-000	SouthRes	1.00	SUNSET VILLA LOT 14	52.64
024-281-023-000	SouthRes	1.00	SUNSET VILLA LOT 15	52.64
024-281-024-000	SouthRes	1.00	SUNSET VILLA LOT 16	52.64
024-281-025-000	SouthRes	1.00	SUNSET VILLA LOT 17	52.64
024-281-026-000	SouthRes	1.00	SUNSET VILLA LOT 18	52.64
024-281-027-000	SouthRes	1.00	SUNSET VILLA LOT 19	52.64
024-281-028-000	SouthRes	1.00	SUNSET VILLA LOT 20	52.64
024-281-029-000	SouthRes	1.00	SUNSET VILLA LOT 21	52.64
024-281-030-000	SouthRes	1.00	SUNSET VILLA LOT 22	52.64
024-282-001-000	SouthRes	1.00	PARKSIDE MANOR LOT 46	52.64
024-282-002-000	SouthRes	1.00	PARKSIDE MANOR LOT 45	52.64
024-282-003-000	SouthRes	1.00	PARKSIDE MANOR LOT 44	52.64
024-282-004-000	SouthRes	1.00	PARKSIDE MANOR LOT 43	52.64
024-282-005-000	SouthRes	1.00	PARKSIDE MANOR LOT 42	52.64
024-282-006-000	SouthRes	1.00	PARKSIDE MANOR LOT 41	52.64
024-282-008-000	SouthRes	1.00	PARKSIDE MANOR LOT 59	52.64
024-282-009-000	SouthRes	1.00	PARKSIDE MANOR LOT 58	52.64

LMD Zones 7 through 12
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ASSESSOR'S PARCEL NUMBER	ZONE	EDU	LEGAL DESCRIPTION	CHARGE (\$)
024-282-010-000	SouthRes	1.00	PARKSIDE MANOR LOT 57	52.64
024-282-011-000	SouthRes	1.00	PARKSIDE MANOR LOT 56	52.64
024-282-012-000	SouthRes	1.00	PARKSIDE MANOR LOT 55	52.64
024-282-013-000	SouthRes	1.00	PARKSIDE MANOR POR LOT 60	52.64
024-283-001-000	SouthRes	1.00	PARKSIDE MANOR LOT 26	52.64
024-283-004-000	SouthRes	1.00	PARKSIDE MANOR LOT 23	52.64
024-283-005-000	SouthRes	1.00	PARKSIDE MANOR LOT 22	52.64
024-283-006-000	SouthRes	1.00	PARKSIDE MANOR LOT 21	52.64
024-283-007-000	SouthRes	1.00	PARKSIDE MANOR LOT 40	52.64
024-283-008-000	SouthRes	1.00	PARKSIDE MANOR LOT 39	52.64
024-283-009-000	SouthRes	1.00	PARKSIDE MANOR LOT 38	52.64
024-283-010-000	SouthRes	1.00	PARKSIDE MANOR LOT 37	52.64
024-283-011-000	SouthRes	1.00	PARKSIDE MANOR LOT 36	52.64
024-283-012-000	SouthRes	1.00	PARKSIDE MANOR LOT 35	52.64
024-283-013-000	SouthRes	1.00	PARKSIDE MANOR LOTS 24 & 25	52.64
024-284-001-000	SouthCom	6.00	LEW MITCHELL SUB POR LOT 9	68.64
024-284-003-000	SouthRes	1.00	PARKSIDE MANOR LOT 20	52.64
024-284-004-000	SouthRes	1.00	PARKSIDE MANOR LOT 19	52.64
024-284-005-000	SouthRes	1.00	PARKSIDE MANOR LOT 18	52.64
024-284-006-000	SouthRes	1.00	PARKSIDE MANOR LOT 17	52.64
024-284-007-000	SouthRes	1.00	PARKSIDE MANOR LOT 16	52.64
024-284-008-000	SouthRes	1.00	PARKSIDE MANOR LOT 15	52.64
024-284-010-000	SouthCom	4.20	LEW MITCHELL SUB LOT 10&11 POR 12	48.04
024-285-008-000	SouthRes	1.00	SUNSET VILLA LOT 23	52.64
024-285-009-000	SouthRes	1.00	SUNSET VILLA LOT 24	52.64
024-285-010-000	SouthRes	1.00	SUNSET VILLA LOT 25	52.64
024-285-011-000	SouthRes	1.00	SUNSET VILLA LOT 26	52.64
024-291-002-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 22	52.64
024-291-003-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 22	52.64
024-291-005-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 24	52.64
024-291-006-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 24	52.64
024-291-007-000	SouthRes	2.00	LIV RLTY CO SUB POR LOT 24	105.28
024-291-008-000	SouthRes	1.00	LIV RLTY CO SUB S 77' LOT 24 LESS E 184.5'	52.64
024-291-009-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 25	52.64
024-291-010-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 25	52.64
024-291-011-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 25	52.64
024-291-013-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 25	52.64
024-291-015-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 26	52.64
024-291-019-000	SouthRes	1.00	LIV RLTY CO SUB S 1/2 LOT 28	52.64
024-291-021-000	SouthCom	9.00	LIV RLTY CO SUB LOTS 30&31	102.96
024-291-023-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 26	52.64
024-291-024-000	SouthRes	1.00	PARCEL 1 PM 11-14 SEC 25/6/11	52.64
024-291-025-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 23	52.64
024-291-027-000	SouthRes	1.00	PARCEL 2 PM 20-10 SEC 25/6/11	52.64
024-291-028-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 27	52.64
024-291-030-000	SouthRes	1.00	PARCEL 1 PM 23-1 SEC 25/6/11	52.64
024-291-031-000	SouthRes	1.00	PARCEL 2 PM 23-1 SEC 25/6/11	52.64
024-291-032-000	SouthRes	1.00	PARCEL 1 PM 32-12 SEC 25/6/11	52.64
024-291-033-000	SouthRes	1.00	PARCEL 2 PM 32-12 SEC 25/6/11	52.64
024-291-034-000	SouthRes	1.00	PARCEL 2 PM 42-34 SEC 25/6/11	52.64
024-291-035-000	SouthRes	1.00	PARCEL 1 PM 42-34 SEC 25/6/11	52.64
024-291-036-000	SouthRes	1.00	PARCEL 1 PM 55-46 SEC 25/6/11	52.64
024-291-037-000	SouthRes	1.00	PARCEL 2 PM 55-46 SEC 25/6/11	52.64
024-291-038-000	SouthRes	1.00	PARCEL 3 PM 55-46 SEC 25/6/11	52.64
024-291-039-000	SouthRes	1.00	PARCEL 4 PM 55-46 SEC 25/6/11	52.64
024-291-040-000	SouthRes	1.00	PARCEL B PM 71-10 SEC 25/6/11	52.64
024-291-041-000	SouthRes	1.00	PARCEL A PM 71-10 SEC 25/6/11	52.64
024-291-042-000	SouthRes	1.00	PARCEL 2 PM 72-29 SEC 25/6/11	52.64
024-291-043-000	SouthRes	1.00	PARCEL 1 PM 72-29 SEC 25/6/11	52.64
024-292-001-000	SouthRes	1.00	RODS ADD LOT 1	52.64
024-292-002-000	SouthRes	1.00	RODS ADD LOT 2	52.64
024-292-003-000	SouthRes	1.00	RODS ADD LOT 3	52.64
024-292-004-000	SouthRes	1.00	RODS ADD LOT 4	52.64
024-292-005-000	SouthRes	1.00	RODS ADD LOT 5	52.64
024-292-006-000	SouthRes	1.00	RODS ADD LOT 6	52.64
024-292-007-000	SouthRes	1.00	RODS ADD LOT 7	52.64
024-292-008-000	SouthRes	1.00	RODS ADD LOT 8	52.64
024-292-009-000	SouthRes	1.00	RODS ADD LOT 9	52.64
024-292-010-000	SouthRes	1.00	RODS ADD LOT 10	52.64
024-292-013-000	SouthRes	1.00	RODS ADD POR LOTS 12&13	52.64
024-292-014-000	SouthRes	1.00	RODS ADD POR LOT 13	52.64
024-292-015-000	SouthRes	1.00	RODS ADD LOT 14	52.64

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ASSESSOR'S PARCEL NUMBER	ZONE	EDU	LEGAL DESCRIPTION	CHARGE (\$)
024-292-016-000	SouthRes	1.00	RODS ADD LOT 15	52.64
024-292-017-000	SouthRes	1.00	RODS ADD LOT 16	52.64
024-292-018-000	SouthRes	1.00	RODS ADD LOT 17	52.64
024-292-019-000	SouthRes	1.00	RODS ADD LOT 18	52.64
024-292-020-000	SouthRes	1.00	RODS ADD LOT 19	52.64
024-292-021-000	SouthRes	1.00	RODS ADD LOT 20	52.64
024-292-022-000	SouthRes	1.00	RODS ADD LOT 11 POR 12	52.64
024-292-025-000	SouthCom	6.00	LIV RLTY CO SUB POR LOT 52	68.64
024-292-026-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 52	52.64
024-292-027-000	SouthRes	1.00	INITIAL DEV #1 LOT 7	52.64
024-292-028-000	SouthRes	1.00	INITIAL DEV #1 LOT 8	52.64
024-292-029-000	SouthRes	1.00	INITIAL DEV #1 LOT 9	52.64
024-292-030-000	SouthRes	1.00	INITIAL DEV #1 LOT 10	52.64
024-292-031-000	SouthRes	1.00	INITIAL DEV #1 LOT 11	52.64
024-292-032-000	SouthRes	1.00	INITIAL DEV #1 LOT 12	52.64
024-292-033-000	SouthRes	1.00	INITIAL DEV #1 LOT 13	52.64
024-292-034-000	SouthRes	1.00	INITIAL DEV #1 LOT 14	52.64
024-292-035-000	SouthRes	4.00	INITIAL DEV #1 LOT 15	210.56
024-292-036-000	SouthRes	4.00	INITIAL DEV #1 LOT 1	210.56
024-292-038-000	SouthRes	1.00	INITIAL DEV #1 LOT 3	52.64
024-292-039-000	SouthRes	1.00	INITIAL DEV #1 LOT 4	52.64
024-292-040-000	SouthRes	1.00	INITIAL DEV #1 LOT 5	52.64
024-292-041-000	SouthRes	1.00	INITIAL DEV #1 LOT 6	52.64
024-292-042-000	SouthRes	3.00	INITIAL DEV #1 S 54' LOT 2	157.92
024-292-043-000	SouthRes	3.00	INITIAL DEV #1 N 54' LOT 2	157.92
024-292-044-000	SouthRes	8.00	INITIAL DEV #1 S 132' OF N 186' LOT 2	421.12
024-301-001-000	SouthRes	1.00	CAMPUS PK LOT 1	52.64
024-301-002-000	SouthRes	1.00	CAMPUS PK LOT 2	52.64
024-301-003-000	SouthRes	1.00	CAMPUS PK LOT 3	52.64
024-301-004-000	SouthRes	1.00	CAMPUS PK LOT 4	52.64
024-301-005-000	SouthRes	1.00	CAMPUS PK LOT 5	52.64
024-301-006-000	SouthRes	1.00	CAMPUS PK LOT 6	52.64
024-301-007-000	SouthRes	1.00	CAMPUS PK LOT 7	52.64
024-301-008-000	SouthRes	1.00	CAMPUS PK LOT 8	52.64
024-301-009-000	SouthRes	1.00	CAMPUS PK LOT 9	52.64
024-301-010-000	SouthRes	1.00	CAMPUS PK LOT 10	52.64
024-302-001-000	SouthRes	1.00	CAMPUS PK LOT 21	52.64
024-302-002-000	SouthRes	1.00	CAMPUS PK LOT 22	52.64
024-302-003-000	SouthRes	1.00	CAMPUS PK LOT 23	52.64
024-302-004-000	SouthRes	1.00	CAMPUS PK LOT 24	52.64
024-302-005-000	SouthRes	1.00	CAMPUS PK LOT 25	52.64
024-302-007-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 87	52.64
024-302-008-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 87	52.64
024-302-009-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 87	52.64
024-303-001-000	SouthRes	1.00	CAMPUS PK LOT 11	52.64
024-303-002-000	SouthRes	1.00	CAMPUS PK LOT 12	52.64
024-303-003-000	SouthRes	1.00	CAMPUS PK LOT 13	52.64
024-303-004-000	SouthRes	1.00	CAMPUS PK LOT 14	52.64
024-303-005-000	SouthRes	1.00	CAMPUS PK LOT 15	52.64
024-303-006-000	SouthRes	1.00	CAMPUS PK LOT 16	52.64
024-303-007-000	SouthRes	1.00	CAMPUS PK LOT 17	52.64
024-303-008-000	SouthRes	1.00	CAMPUS PK LOT 18	52.64
024-303-009-000	SouthRes	1.00	CAMPUS PK LOT 19	52.64
024-303-010-000	SouthRes	1.00	CAMPUS PK LOT 20	52.64
024-310-003-000	NorthRes	1.00	VALLEY PARK #1 LOT 16	52.64
024-310-004-000	NorthRes	1.00	VALLEY PARK #1 LOT 17	52.64
024-310-005-000	NorthRes	1.00	VALLEY PARK #1 LOT 18	52.64
024-310-006-000	NorthRes	0.09	VALLEY PARK #1 LOT B	4.88
024-310-007-000	NorthRes	1.00	VALLEY PARK #1 LOT 7	52.64
024-310-008-000	NorthRes	1.00	VALLEY PARK #1 LOT 6	52.64
024-310-009-000	NorthRes	1.00	VALLEY PARK #1 LOT 5	52.64
024-310-010-000	NorthRes	1.00	VALLEY PARK #1 LOT 4	52.64
024-310-011-000	NorthRes	1.00	VALLEY PARK #1 LOT 3	52.64
024-310-012-000	NorthRes	1.00	VALLEY PARK #1 LOT 2	52.64
024-310-013-000	NorthRes	1.00	VALLEY PARK #1 LOT 1	52.64
024-310-015-000	NorthRes	0.09	VALLEY PARK #1 LOT C	4.88
024-310-016-000	NorthRes	1.00	VALLEY PARK #1 LOT 14	52.64
024-310-017-000	NorthRes	1.00	VALLEY PARK #1 LOT 13	52.64
024-310-018-000	NorthRes	1.00	VALLEY PARK #1 LOT 12	52.64
024-310-019-000	NorthRes	1.00	VALLEY PARK #1 LOT 11	52.64
024-310-020-000	NorthRes	1.00	VALLEY PARK #1 LOT 10	52.64
024-310-021-000	NorthRes	1.00	VALLEY PARK #1 LOT 9	52.64

LMD Zones 7 through 12
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ASSESSOR'S PARCEL NUMBER	ZONE	EDU	LEGAL DESCRIPTION	CHARGE (\$)
024-310-022-000	NorthRes	1.00	VALLEY PARK #1 LOT 8	52.64
024-310-024-000	NorthRes	1.00	WOODLAND HTS LOT 21	52.64
024-310-025-000	NorthRes	1.00	WOODLAND HTS LOT 22	52.64
024-310-026-000	NorthRes	1.00	WOODLAND HTS LOT 20	52.64
024-310-027-000	NorthRes	1.00	WOODLAND HTS LOT 19	52.64
024-310-028-000	NorthRes	1.00	WOODLAND HTS LOT 18	52.64
024-310-029-000	NorthRes	1.00	WOODLAND HTS LOT 17	52.64
024-310-030-000	NorthRes	1.00	WOODLAND HTS LOT 16	52.64
024-310-031-000	NorthRes	1.00	WOODLAND HTS LOT 15	52.64
024-310-032-000	NorthRes	1.00	WOODLAND HTS LOT 14	52.64
024-310-033-000	NorthRes	1.00	WOODLAND HTS LOT 13	52.64
024-310-034-000	NorthRes	1.00	WOODLAND HTS LOT 12	52.64
024-310-035-000	NorthRes	1.00	WOODLAND HTS LOT 11	52.64
024-310-036-000	NorthRes	1.00	WOODLAND HTS LOT 10	52.64
024-310-037-000	NorthRes	1.00	PARCEL 1 PM 53-4 SEC 24/6/11	52.64
024-321-003-000	SouthRes	1.00	TEMPO EST #4 LOT 14	52.64
024-321-004-000	SouthRes	1.00	TEMPO EST #4 LOT 15	52.64
024-321-005-000	SouthRes	1.00	TEMPO EST #4 LOT 16	52.64
024-321-006-000	SouthRes	1.00	TEMPO EST #4 LOT 17	52.64
024-321-007-000	SouthRes	1.00	TEMPO EST #4 LOT 18	52.64
024-321-008-000	SouthRes	1.00	TEMPO EST #4 LOT 19	52.64
024-321-009-000	SouthRes	1.00	TEMPO EST #4 LOT 20	52.64
024-321-010-000	SouthRes	1.00	TEMPO EST #4 LOT 21	52.64
024-321-011-000	SouthRes	1.00	TEMPO EST #4 LOT 22	52.64
024-321-012-000	SouthRes	1.00	TEMPO EST #4 LOT 23	52.64
024-321-013-000	SouthRes	1.00	TEMPO EST #4 LOT 24	52.64
024-321-014-000	SouthRes	1.00	TEMPO EST #4 LOT 25	52.64
024-321-015-000	SouthRes	1.00	TEMPO EST #4 LOT 26	52.64
024-321-016-000	SouthRes	1.00	TEMPO EST #4 LOT 27	52.64
024-321-017-000	SouthRes	1.00	TEMPO EST #4 LOT 28	52.64
024-321-018-000	SouthRes	1.00	TEMPO EST #4 LOT 29	52.64
024-322-001-000	SouthRes	1.00	WINTON SUB #2 LOT 55 & POR 56	52.64
024-322-002-000	SouthRes	1.00	WINTON SUB #2 POR LOT 56	52.64
024-322-003-000	SouthRes	1.00	WINTON SUB #2 LOT 57	52.64
024-322-004-000	SouthRes	1.00	WINTON SUB #2 LOT 58&POR 59	52.64
024-322-005-000	SouthRes	1.00	PARCEL 1 PM 1-19 SEC 26/6/11	52.64
024-322-006-000	SouthRes	1.00	WINTON SUB #2 POR LOT 60	52.64
024-322-007-000	SouthRes	1.00	WINTON SUB #2 LOT 61 & S 11.74 FT LOT 60	52.64
024-322-008-000	SouthRes	1.00	WINTON SUB #2 LOT 62	52.64
024-322-017-000	SouthRes	1.00	TEMPO EST #3 LOT 13	52.64
024-322-018-000	SouthRes	1.00	TEMPO EST #3 LOT 12	52.64
024-322-019-000	SouthRes	1.00	TEMPO EST #3 LOT 11	52.64
024-322-020-000	SouthRes	1.00	TEMPO EST #3 LOT 10	52.64
024-322-021-000	SouthRes	1.00	TEMPO EST #3 LOT 9	52.64
024-322-022-000	SouthRes	1.00	TEMPO EST #3 LOT 8	52.64
024-322-023-000	SouthRes	1.00	TEMPO EST #3 LOT 7	52.64
024-322-024-000	SouthRes	1.00	TEMPO EST #3 LOT 6	52.64
024-322-025-000	SouthRes	1.00	TEMPO EST #3 LOT 5	52.64
024-322-026-000	SouthRes	1.00	TEMPO EST #3 LOT 4	52.64
024-323-001-000	SouthRes	1.00	WINTON SUB #2 POR LOTS 33&34	52.64
024-323-002-000	SouthRes	1.00	WINTON SUB #2 POR LOT 34	52.64
024-323-003-000	SouthRes	1.00	WINTON SUB #2 LOT 35	52.64
024-323-004-000	SouthRes	1.00	WINTON SUB #2 LOT 36	52.64
024-323-005-000	SouthRes	1.00	WINTON SUB #2 LOT 37	52.64
024-323-006-000	SouthRes	1.00	WINTON SUB #2 LOT 38	52.64
024-323-007-000	SouthRes	1.00	WINTON SUB #2 LOT 39	52.64
024-323-008-000	SouthRes	1.00	WINTON SUB #2 LOT 40	52.64
024-323-009-000	SouthRes	1.00	WINTON SUB #2 LOT 41	52.64
024-323-010-000	SouthRes	1.00	WINTON SUB #2 LOT 42	52.64
024-323-011-000	SouthRes	1.00	WINTON SUB #2 S 70' LOT 43	52.64
024-323-012-000	SouthRes	1.00	WINTON SUB #2 POR LOT 43&44	52.64
024-323-013-000	SouthRes	1.00	WINTON SUB #2 N 40' LOT 44 & S 30' OF 45	52.64
024-323-014-000	SouthRes	1.00	WINTON SUB #2 N 60' LOT 45 & S 10' LOT 46	52.64
024-323-015-000	SouthRes	1.00	WINTON SUB #2 POR LOT 46	52.64
024-323-016-000	SouthRes	1.00	WINTON SUB #2 LOT 47	52.64
024-323-017-000	SouthRes	1.00	WINTON SUB #2 LOT 48	52.64
024-324-001-000	SouthRes	1.00	WINTON SUB LOT 5 POR 6	52.64
024-324-002-000	SouthRes	1.00	WINTON SUB POR LOT 6&7	52.64
024-324-003-000	SouthRes	1.00	WINTON SUB POR LOT 7&8	52.64
024-324-004-000	SouthRes	1.00	WINTON SUB POR LOTS 8&9	52.64
024-324-005-000	SouthRes	1.00	WINTON SUB POR LOTS 9&10	52.64
024-324-006-000	SouthRes	1.00	WINTON SUB POR LOTS 10&11	52.64

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ASSESSOR'S PARCEL NUMBER	ZONE	EDU	LEGAL DESCRIPTION	CHARGE (\$)
024-324-007-000	SouthRes	1.00	WINTON SUB S 60' LOT 11	52.64
024-324-008-000	SouthRes	1.00	WINTON SUB LOT 12	52.64
024-324-009-000	SouthRes	1.00	WINTON SUB LOT 13	52.64
024-324-010-000	SouthRes	1.00	WINTON SUB LOT 14	52.64
024-324-011-000	SouthRes	1.00	WINTON SUB LOT 15	52.64
024-324-012-000	SouthRes	1.00	WINTON SUB LOT 16	52.64
024-324-014-000	SouthRes	1.00	WINTON SUB POR LOT 17	52.64
024-324-015-000	SouthRes	1.00	WINTON SUB LOT 18	52.64
024-324-016-000	SouthRes	1.00	WINTON SUB LOT 19	52.64
024-324-017-000	SouthRes	1.00	WINTON SUB LOT 20	52.64
024-324-018-000	SouthRes	1.00	WINTON SUB LOT 21	52.64
024-324-019-000	SouthRes	1.00	WINTON SUB LOT 22	52.64
024-324-020-000	SouthRes	1.00	WINTON SUB LOT 23 POR 24	52.64
024-324-021-000	SouthRes	1.00	WINTON SUB POR LOTS 24&25	52.64
024-324-022-000	SouthRes	1.00	WINTON SUB POR LOTS 25&26	52.64
024-334-001-000	NorthRes	1.00	PACIFIC AC LOT 20	52.64
024-334-002-000	NorthRes	1.00	PACIFIC AC LOT 21	52.64
024-334-003-000	NorthRes	1.00	PACIFIC AC LOT 22	52.64
024-334-004-000	NorthRes	1.00	PACIFIC AC LOT 23	52.64
024-334-005-000	NorthRes	1.00	PACIFIC AC LOT 24	52.64
024-334-006-000	NorthRes	1.00	PACIFIC AC LOT 25	52.64
024-334-007-000	NorthRes	1.00	PACIFIC AC LOT 26	52.64
024-334-008-000	NorthRes	1.00	PACIFIC AC LOT 27	52.64
024-334-009-000	NorthRes	1.00	PACIFIC AC LOT 28	52.64
024-334-010-000	NorthRes	1.00	PACIFIC AC LOT 29	52.64
024-334-011-000	NorthRes	1.00	PACIFIC AC LOT 30	52.64
024-334-012-000	NorthRes	1.00	PACIFIC AC LOT 31	52.64
024-334-013-000	NorthRes	1.00	PACIFIC AC LOT 32	52.64
024-334-014-000	NorthRes	1.00	PACIFIC AC LOT 33	52.64
024-334-015-000	NorthRes	1.00	PACIFIC AC LOT 34	52.64
024-334-016-000	NorthRes	1.00	PACIFIC AC LOT 35	52.64
024-334-017-000	NorthRes	1.00	PACIFIC AC LOT 36	52.64
024-334-018-000	NorthRes	1.00	PACIFIC AC LOT 37	52.64
024-334-019-000	NorthRes	1.00	PACIFIC AC LOT 38	52.64
024-334-020-000	NorthRes	1.00	PACIFIC AC LOT 39	52.64
024-334-021-000	NorthRes	1.00	PACIFIC AC LOT 40	52.64
024-335-001-000	NorthRes	1.00	PACIFIC AC LOT 19	52.64
024-335-002-000	NorthRes	1.00	PACIFIC AC LOT 18	52.64
024-335-003-000	NorthRes	1.00	PACIFIC AC LOT 17	52.64
024-335-005-000	NorthRes	1.00	PACIFIC AC LOT 16	52.64
024-335-006-000	NorthRes	1.00	PACIFIC AC LOT 15	52.64
024-335-007-000	NorthRes	1.00	PACIFIC AC LOT 14	52.64
024-336-001-000	NorthRes	1.00	PACIFIC AC LOT 13	52.64
024-336-002-000	NorthRes	1.00	PACIFIC AC LOT 12	52.64
024-336-003-000	NorthRes	1.00	PACIFIC AC LOT 11	52.64
024-336-004-000	NorthRes	1.00	PACIFIC AC LOT 10	52.64
024-336-005-000	NorthRes	1.00	PACIFIC AC LOT 9	52.64
024-336-006-000	NorthRes	1.00	PACIFIC AC LOT 8	52.64
024-336-007-000	NorthRes	1.00	PACIFIC AC LOT 7	52.64
024-336-008-000	NorthRes	1.00	PACIFIC AC LOT 6	52.64
024-336-009-000	NorthRes	1.00	PACIFIC AC LOT 5	52.64
024-336-010-000	NorthRes	1.00	PACIFIC AC LOT 4	52.64
024-336-011-000	NorthRes	1.00	PACIFIC AC LOT 3	52.64
024-336-012-000	NorthRes	1.00	PACIFIC AC LOT 2	52.64
024-336-013-000	NorthRes	1.00	PACIFIC AC LOT 1	52.64
024-340-001-000	SouthRes	1.00	TEMPO EST #5 LOT 47	52.64
024-340-002-000	SouthRes	1.00	TEMPO EST #5 LOT 46	52.64
024-340-003-000	SouthRes	1.00	TEMPO EST #5 LOT 45	52.64
024-340-004-000	SouthRes	1.00	TEMPO EST #5 LOT 44	52.64
024-340-005-000	SouthRes	1.00	TEMPO EST #5 LOT 43	52.64
024-340-007-000	SouthRes	1.00	TEMPO EST #4 LOT 42	52.64
024-340-008-000	SouthRes	1.00	TEMPO EST #4 LOT 41	52.64
024-340-009-000	SouthRes	1.00	TEMPO EST #4 LOT 40	52.64
024-340-010-000	SouthRes	1.00	TEMPO EST #4 LOT 39	52.64
024-340-011-000	SouthRes	1.00	TEMPO EST #4 LOT 38	52.64
024-340-012-000	SouthRes	1.00	TEMPO EST #4 LOT 37	52.64
024-340-013-000	SouthRes	1.00	TEMPO EST #4 LOT 36	52.64
024-340-014-000	SouthRes	1.00	TEMPO EST #4 LOT 35	52.64
024-340-015-000	SouthRes	1.00	TEMPO EST #4 LOT 34	52.64
024-340-016-000	SouthRes	1.00	TEMPO EST #4 LOT 33	52.64
024-340-017-000	SouthRes	1.00	TEMPO EST #4 LOT 32	52.64
024-340-018-000	SouthRes	1.00	TEMPO EST #4 LOT 31	52.64

LMD Zones 7 through 12
Commercial & Residential
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	ZONE	EDU	LEGAL DESCRIPTION	CHARGE (\$)
024-340-019-000	SouthRes	1.00	TEMPO EST #4 LOT 30	52.64
024-350-001-000	SouthRes	1.00	VILLAS EAST LOT 1	52.64
024-350-002-000	SouthRes	1.00	VILLAS EAST LOT 2	52.64
024-350-003-000	SouthRes	1.00	VILLAS EAST LOT 3	52.64
024-350-004-000	SouthRes	1.00	VILLAS EAST LOT 4	52.64
024-350-005-000	SouthRes	1.00	VILLAS EAST LOT 5	52.64
024-350-006-000	SouthRes	1.00	VILLAS EAST LOT 6	52.64
024-350-007-000	SouthRes	1.00	VILLAS EAST LOT 7	52.64
024-350-012-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 85	52.64
024-350-013-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 85	52.64
024-350-017-000	SouthRes	1.00	VILLAS EAST LOT 8	52.64
024-350-018-000	SouthRes	1.00	VILLAS EAST LOT 9	52.64
024-350-019-000	SouthRes	1.00	VILLAS EAST LOT 10	52.64
024-350-020-000	SouthRes	1.00	VILLAS EAST LOT 11	52.64
024-350-021-000	SouthRes	1.00	VILLAS EAST LOT 12	52.64
024-350-022-000	SouthRes	1.00	VILLAS EAST LOT 13	52.64
024-350-023-000	SouthRes	1.00	VILLAS EAST LOT 14	52.64
024-350-024-000	SouthRes	1.00	VILLAS EAST LOT 15	52.64
024-350-025-000	SouthRes	1.00	VILLAS EAST LOT 16	52.64
024-350-026-000	SouthRes	1.00	VILLAS EAST LOT 17	52.64
024-350-027-000	SouthRes	1.00	VILLAS EAST LOT 18	52.64
024-350-028-000	SouthRes	1.00	VILLAS EAST LOT 19	52.64
024-350-029-000	SouthRes	1.00	VILLAS EAST LOT 20	52.64
024-350-030-000	SouthRes	1.00	VILLAS EAST LOT 21	52.64
024-350-031-000	SouthRes	1.00	VILLAS EAST LOT 22	52.64
024-350-032-000	SouthRes	1.00	VILLAS EAST LOT 23	52.64
024-350-033-000	SouthRes	1.00	VILLAS EAST LOT 24	52.64
024-350-034-000	SouthRes	1.00	VILLAS EAST LOT 25	52.64
024-350-035-000	SouthRes	1.00	VILLAS EAST LOT 26	52.64
024-350-036-000	SouthRes	1.00	VILLAS EAST LOT 27	52.64
024-350-037-000	SouthRes	1.00	VILLAS EAST LOT 28	52.64
024-350-038-000	SouthRes	1.00	VILLAS EAST LOT 29	52.64
024-350-039-000	SouthRes	1.00	VILLAS EAST LOT 30	52.64
024-350-040-000	SouthRes	1.00	VILLAS EAST LOT 31	52.64
024-350-041-000	SouthRes	1.00	VILLAS EAST LOT 32	52.64
024-350-042-000	SouthRes	1.00	VILLAS EAST LOT 33	52.64
024-350-043-000	SouthRes	1.00	VILLAS EAST LOT 34	52.64
024-350-044-000	SouthRes	1.00	VILLAS EAST LOT 35	52.64
024-350-045-000	SouthRes	1.00	VILLAS EAST LOT 36	52.64
024-350-046-000	SouthRes	1.00	VILLAS EAST LOT 37	52.64
024-350-047-000	SouthRes	1.00	VILLAS EAST LOT 38	52.64
024-350-048-000	SouthRes	1.00	VILLAS EAST LOT 39	52.64
024-350-050-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 85	52.64
024-350-052-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 85	52.64
024-350-053-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 85	52.64
024-350-054-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 85 ETC	52.64
024-361-002-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 88	52.64
024-361-003-000	SouthRes	1.00	LIV RLTY CO SUB POR LOT 88	52.64
024-362-001-000	SouthRes	1.00	RODS ADD #2 LOT 40 LESS N 5' TO RD	52.64
024-362-002-000	SouthRes	1.00	RODS ADD #2 LOT 39	52.64
024-362-003-000	SouthRes	1.00	RODS ADD #2 LOT 38	52.64
024-362-004-000	SouthRes	1.00	RODS ADD #2 LOT 37	52.64
024-362-005-000	SouthRes	1.00	RODS ADD #2 LOT 36	52.64
024-362-006-000	SouthRes	1.00	RODS ADD #2 LOT 35	52.64
024-362-007-000	SouthRes	1.00	RODS ADD #2 LOT 34	52.64
024-362-008-000	SouthRes	1.00	RODS ADD #2 LOT 33	52.64
024-362-009-000	SouthRes	1.00	RODS ADD #2 LOT 32	52.64
024-362-010-000	SouthRes	1.00	RODS ADD #2 LOT 31	52.64
024-362-011-000	SouthRes	1.00	PARK VIEW LOT 20	52.64
024-362-012-000	SouthRes	1.00	PARK VIEW LOT 19	52.64
024-362-013-000	SouthRes	1.00	PARK VIEW LOT 18	52.64
024-362-014-000	SouthRes	1.00	PARK VIEW LOT 17	52.64
024-362-015-000	SouthRes	1.00	PARK VIEW LOT 16	52.64
024-362-016-000	SouthRes	1.00	PARK VIEW LOT 15	52.64
024-362-017-000	SouthRes	1.00	PARK VIEW LOT 14	52.64
024-362-018-000	SouthRes	1.00	PARK VIEW LOT 13	52.64
024-362-019-000	SouthRes	1.00	PARK VIEW LOT 12	52.64
024-362-020-000	SouthRes	1.00	PARK VIEW LOT 11	52.64
024-363-001-000	SouthRes	1.00	RODS ADD #2 LOT 21	52.64
024-363-002-000	SouthRes	1.00	RODS ADD #2 LOT 22	52.64
024-363-003-000	SouthRes	1.00	RODS ADD #2 LOT 23	52.64
024-363-004-000	SouthRes	1.00	RODS ADD #2 LOT 24	52.64

**LMD Zones 7 through 12
Commercial & Residential
Fiscal Year 2019/20 Preliminary Assessment Roll**

ASSESSOR'S PARCEL NUMBER	ZONE	EDU	LEGAL DESCRIPTION	CHARGE (\$)
024-363-005-000	SouthRes	1.00	RODS ADD #2 LOT 25	52.64
024-363-006-000	SouthRes	1.00	RODS ADD #2 LOT 26	52.64
024-363-007-000	SouthRes	1.00	RODS ADD #2 LOT 27	52.64
024-363-008-000	SouthRes	1.00	RODS ADD #2 LOT 28	52.64
024-363-009-000	SouthRes	1.00	RODS ADD #2 LOT 29	52.64
024-363-010-000	SouthRes	1.00	RODS ADD #2 LOT 30	52.64
024-363-011-000	SouthRes	1.00	PARK VIEW LOT 1	52.64
024-363-012-000	SouthRes	1.00	PARK VIEW LOT 2	52.64
024-363-013-000	SouthRes	1.00	PARK VIEW LOT 3	52.64
024-363-014-000	SouthRes	1.00	PARK VIEW LOT 4	52.64
024-363-015-000	SouthRes	1.00	PARK VIEW LOT 5	52.64
024-363-016-000	SouthRes	1.00	PARK VIEW LOT 6	52.64
024-363-017-000	SouthRes	1.00	PARK VIEW LOT 7	52.64
024-363-018-000	SouthRes	1.00	PARK VIEW LOT 8	52.64
024-363-019-000	SouthRes	1.00	PARK VIEW LOT 9	52.64
024-363-020-000	SouthRes	1.00	PARK VIEW LOT 10	52.64
024-370-026-000	NorthRes	1.00	PARCEL A PM 53-6 SEC 24/6/11	52.64
024-370-029-000	NorthRes	1.00	YAM COL #2 LOT 1 POR LOT 6	52.64
047-090-003-000	NorthCom	5.52	LIV COL #1 W1/2 LOT 17&18	63.14
047-090-004-000	NorthCom	5.64	LIV COL #1 E1/2 LOT 17&18	64.52
047-090-007-000	NorthCom	8.73	LIV COL #2 POR LOT 35-37	99.86
047-090-020-000	NorthCom	3.90	POR W 1/2 SEC 23/6/11	44.60
047-090-025-000	NorthCom	7.17	POR PAR 1 PM 1-11 ETC 14&23/6/11	82.02
047-090-033-000	NorthCom	10.59	LIV COL #1 LOT 20 POR 19 SEC 23/6/11	121.14
047-100-025-000	NorthCom	438.60	NEW NCDC FOR FOSTER FARMS	5,017.58
047-100-033-000	NorthCom	417.60	LIV COL #2 LOT 38 ETC	4,777.34
047-100-046-000	NorthRes	1.59	POR W1/2 OF SW1/4 SEC 23/6/11	83.68
047-280-020-000	SouthRes	1.00	POR PARCEL 1 PM 48-47 SEC 36/6/11	52.64
047-280-021-000	SouthRes	1.00	POR PARCEL 1 PM 48-47 SEC 36/6/11	52.64
047-280-029-000	SouthRes	4.86	LIV LD COL SUB #1 POR LOT 89	255.82
047-310-019-000	SouthRes	1.00	LIV LD COL SUB #2 POR LOT 90	52.64
047-310-020-000	SouthRes	1.00	PARCEL 1 PM 8-21 SEC 35/6/11	52.64
047-310-021-000	SouthRes	1.95	PARCEL 2 PM 8-21 SEC 35/6/11	102.64
047-310-022-000	SouthCom	0.19	LIV LD COL SUB #2 POR LOT 90	2.12
047-310-023-000	SouthCom	7.20	LIV LD COL SUB #2 POR LOT 90	82.36
047-310-024-000	SouthCom	0.12	LIV LD COL SUB #2 POR LOT 90	1.36
047-310-025-000	SouthRes	1.00	LIV LD COL SUB #2 POR LOT 91	52.64
047-310-026-000	SouthRes	1.00	LIV LD COL SUB #2 POR LOT 91	52.64
047-310-027-000	SouthRes	1.00	LIV LD COL SUB #2 POR LOT 91	52.64
047-310-038-000	SouthRes	1.00	POR PARCEL A PM 25-6 SEC 35/6/11	52.64
047-460-001-000	NorthCom	14.67	POR W 1/2 SEC 23/6/11	167.82
047-460-003-000	NorthCom	6.06	LIV COL #1 POR LOTS 23 & 24	69.32
047-460-004-000	NorthCom	115.2	LIV COL #1 POR LOTS 23 & 24	1,317.88
047-595-001-000	SouthRes	49.00	LIV LD COL SUB #2 POR LOT 91	2,579.36

Zone	Total EDUs	Total Charge
Central Residential	523.66	27,565.26
Downtown Commercial	113.11	1,293.62
North Commercial	1,649.25	18,867.00
North Residential	388.55	20,453.18
South Commercial	47.65	545.02
South Residential	707.86	37,261.32
Total	3,430.07	105,985.40

City of Livingston
LMD Zone 13 - Monte Cristo
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
022-140-001-000	1325	EMERALD DR	1.0	122.18
022-140-002-000	927	RUBY WAY	1.0	122.18
022-140-003-000	919	RUBY WAY	1.0	122.18
022-140-004-000	1511	SAPPHIRE DR	1.0	122.18
022-140-005-000	1515	SAPPHIRE DR	1.0	122.18
022-140-006-000	1331	EMERALD DR	1.0	122.18
022-140-007-000	1337	EMERALD DR	1.0	122.18
022-140-008-000	907	TURQUOISE CT	1.0	122.18
022-140-009-000	901	TURQUOISE CT	1.0	122.18
022-140-010-000	904	TURQUOISE CT	1.0	122.18
022-140-011-000	910	TURQUOISE CT	1.0	122.18
022-140-012-000	1405	EMERALD DR	1.0	122.18
022-140-013-000	1411	EMERALD DR	1.0	122.18
022-140-014-000	1417	EMERALD DR	1.0	122.18
022-140-015-000	1423	EMERALD DR	1.0	122.18
022-140-016-000	1429	EMERALD DR	1.0	122.18
022-151-001-000	1521	SAPPHIRE DR	1.0	122.18
022-151-002-000	1527	SAPPHIRE DR	1.0	122.18
022-151-003-000	1533	SAPPHIRE DR	1.0	122.18
022-151-004-000	1605	SAPPHIRE DR	1.0	122.18
022-151-005-000	1611	SAPPHIRE DR	1.0	122.18
022-151-006-000	1617	SAPPHIRE DR	1.0	122.18
022-151-007-000	1623	SAPPHIRE DR	1.0	122.18
022-151-008-000	1629	SAPPHIRE DR	1.0	122.18
022-151-009-000	906	TOPAZ WAY	1.0	122.18
022-151-010-000	912	TOPAZ WAY	1.0	122.18
022-151-011-000	924	TOPAZ WAY	1.0	122.18
022-151-012-000	930	TOPAZ WAY	1.0	122.18
022-151-013-000	936	TOPAZ WAY	1.0	122.18
022-151-014-000	942	TOPAZ WAY	1.0	122.18
022-151-015-000	948	TOPAZ WAY	1.0	122.18
022-151-016-000	954	TOPAZ WAY	1.0	122.18
022-151-017-000	960	TOPAZ WAY	1.0	122.18
022-151-018-000	933	TOPAZ WAY	1.0	122.18
022-151-019-000	972	TOPAZ WAY	1.0	122.18
022-152-001-000	926	RUBY WAY	1.0	122.18
022-152-002-000	1615	EMERALD DR	1.0	122.18
022-152-003-000	1621	EMERALD DR	1.0	122.18
022-152-004-000	957	TOPAZ WAY	1.0	122.18
022-152-005-000	951	TOPAZ WAY	1.0	122.18
022-152-006-000	945	TOPAZ WAY	1.0	122.18
022-152-007-000	939	TOPAZ WAY	1.0	122.18
022-152-008-000	933	TOPAZ WAY	1.0	122.18
022-152-009-000	1622	SAPPHIRE DR	1.0	122.18
022-152-010-000	1616	SAPPHIRE DR	1.0	122.18
022-152-011-000	1610	SAPPHIRE DR	1.0	122.18
022-152-012-000	934	OPAL CT	1.0	122.18
022-152-013-000	940	OPAL CT	1.0	122.18
022-152-014-000	944	OPAL CT	1.0	122.18
022-152-015-000	946	OPAL CT	1.0	122.18
022-152-016-000	941	OPAL CT	1.0	122.18
022-152-017-000	935	OPAL CT	1.0	122.18
022-152-018-000	929	OPAL CT	1.0	122.18
022-152-019-000	921	OPAL CT	1.0	122.18
022-152-020-000	932	RUBY WAY	1.0	122.18
022-152-021-000	938	RUBY WAY	1.0	122.18
022-152-022-000	1507	EMERALD DR	1.0	122.18
022-152-023-000	1513	EMERALD DR	1.0	122.18
022-152-024-000	1519	EMERALD DR	1.0	122.18
022-152-025-000	1525	EMERALD DR	1.0	122.18
022-152-026-000	1529	EMERALD DR	1.0	122.18
022-152-027-000	1535	EMERALD DR	1.0	122.18

City of Livingston
LMD Zone 13 - Monte Cristo
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
022-152-028-000	1603	EMERALD DR	1.0	122.18
022-152-029-000	1609	EMERALD DR	1.0	122.18

Summary Fields	Value
Number of Parcels to be Levied	64
Total EDUs	64.00
Total Charges	\$7,819.52

City of Livingston
LMD Zone 13B - Monte Cristo II
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
022-131-001-000	1581	BAY MEADOW LN	1.0	241.90
022-131-002-000			1.0	241.90
022-131-003-000	1569	BAY MEADOW LN	1.0	241.90
022-131-004-000	1563	BAY MEADOW LN	1.0	241.90
022-131-005-000	1557	BAY MEADOW LN	1.0	241.90
022-131-006-000	1551	BAY MEADOW LN	1.0	241.90
022-131-007-000	725	FAIRLANE DR	1.0	241.90
022-131-008-000	731	FAIRLANE DR	1.0	241.90
022-131-009-000	737	FAIRLANE DR	1.0	241.90
022-131-010-000	745	DR	1.0	241.90
022-131-011-000	751	FAIRLANE DR	1.0	241.90
022-131-012-000	1552	MONTECITO DR	1.0	241.90
022-131-013-000	1558	MONTECITO DR	1.0	241.90
022-131-014-000	1564	MONTECITO DR	1.0	241.90
022-131-015-000	1570	MONTECITO DR	1.0	241.90
022-131-016-000	1576	MONTECITO DR	1.0	241.90
022-131-017-000	1582	MONTECITO DR	1.0	241.90
022-131-018-000	1588	MONTECITO DR	1.0	241.90
022-131-019-000	750	KENSINGTON DR	1.0	241.90
022-131-020-000	744	KENSINGTON DR	1.0	241.90
022-131-021-000	738	KENSINGTON	1.0	241.90
022-131-022-000	1588	BAY MEADOW LN	1.0	241.90
022-131-023-000	1594	BAY MEADOW LN	1.0	241.90
022-132-001-000	1587	BAY MEADOW LN	1.0	241.90
022-132-002-000	1593	BAY MEADOW LN	1.0	241.90
022-133-001-000	726	FAIRLANE DR	1.0	241.90
022-133-002-000	732	FAIRLANE DR	1.0	241.90
022-133-003-000	738	FAIRLANE DR	1.0	241.90
022-133-004-000	1571	MONTECITO DR	1.0	241.90
022-133-005-000	739	KENSINGTON DR	1.0	241.90
022-133-006-000	733	KENSINGTON DR	1.0	241.90
022-133-007-000	727	KENSINGTON DR	1.0	241.90
022-133-008-000	1572	BAY MEADOW LN	1.0	241.90
022-161-001-000	1599	BAY MEADOW LN	1.0	241.90
022-161-002-000	1605	BAY MEADOW LN	1.0	241.90
022-161-003-000	1611	BAY MEADOW LN	1.0	241.90
022-161-004-000	1617	BAY MEADOW LN	1.0	241.90
022-161-005-000	1623	BAY MEADOW LN	1.0	241.90
022-161-006-000	1629	BAY MEADOW LN	1.0	241.90
022-161-007-000	1635	BAY MEADOW LN	1.0	241.90
022-161-008-000	1641	BAY MEADOW LN	1.0	241.90
022-161-009-000	720	CAMBRIA PL	1.0	241.90
022-161-010-000	726	CAMBRIA PL	1.0	241.90
022-161-011-000	732	CAMBRIA PL	1.0	241.90
022-161-012-000	738	CAMBRIA PL	1.0	241.90
022-161-013-000	744	CAMBRIA PL	1.0	241.90
022-162-001-000	728	OAKHURST PL	1.0	241.90
022-162-002-000	734	OAKHURST PL	1.0	241.90
022-162-003-000	740	OAKHURST PL	1.0	241.90
022-162-004-000	1623	JANTZ DR	1.0	241.90
022-162-005-000	741	CAMBRIA PL	1.0	241.90
022-162-006-000	735	CAMBRIA PL	1.0	241.90
022-162-007-000	729	CAMBRIA PL	1.0	241.90
022-162-008-000	1628	BAY MEADOW LN	1.0	241.90
022-163-001-000	1600	BAY MEADOW LN	1.0	241.90
022-163-002-000	733	OAKHURST PL	1.0	241.90
022-163-003-000	739	OAKHURST PL	1.0	241.90
022-163-004-000	745	OAKHURST PL	1.0	241.90
022-163-005-000	1608	JANTZ DR	1.0	241.90
022-163-006-000	1614	JANTZ DR	1.0	241.90
022-163-007-000	1620	JANTZ DR	1.0	241.90
022-163-008-000	1626	JANTZ DR	1.0	241.90

City of Livingston
LMD Zone 13B - Monte Cristo II
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
022-163-009-000	1632	JANTZ DR	1.0	241.90
022-163-010-000	1638	JANTZ DR	1.0	241.90
022-163-011-000	1644	JANTZ DR	1.0	241.90
022-163-012-000	1650	JANTZ DR	1.0	241.90

Summary Fields	Value
Number of Parcels to be Levied	66
Total EDUs	66.00
Total Charges	\$15,965.40

City of Livingston
LMD Zone 14 - Sundance (Country Villas)
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
143-291-001-000	2881	TULARE CT	1.0	122.16
143-291-002-000	2873	TULARE CT	1.0	122.16
143-291-003-000	2865	TULARE CT	1.0	122.16
143-291-004-000	2859	TULARE ST	1.0	122.16
143-291-005-000	2849	TULARE ST	1.0	122.16
143-291-006-000	2841	TULARE CT	1.0	122.16
143-291-007-000	2835	TULARE CT	1.0	122.16
143-291-008-000	2827	TULARE CT	1.0	122.16
143-291-009-000	2825	TULARE CT	1.0	122.16
143-291-010-000	2828	TULARE CT	1.0	122.16
143-291-011-000	2836	TULARE CT	1.0	122.16
143-291-012-000	2842	TULARE CT	1.0	122.16
143-291-013-000	2850	TULARE CT	1.0	122.16
143-291-014-000	2860	TULARE CT	1.0	122.16
143-291-015-000	2866	TULARE CT	1.0	122.16
143-291-016-000	2874	TULARE CT	1.0	122.16
143-291-017-000	2882	TULARE ST	1.0	122.16
143-291-018-000	2883	FRANQUETTE CT	1.0	122.16
143-291-019-000	2875	FRANQUETTE CT	1.0	122.16
143-291-020-000	2867	FRANQUETTE CT	1.0	122.16
143-291-021-000	2861	FRANQUETTE CT	1.0	122.16
143-291-022-000	2851	FRANQUETTE CT	1.0	122.16
143-291-023-000	2843	FRANQUETTE CT	1.0	122.16
143-291-024-000	2837	FRANQUETTE CT	1.0	122.16
143-291-025-000	2829	FRANQUETTE CT	1.0	122.16
143-291-026-000	2827	FRANQUETTE CT	1.0	122.16
143-291-027-000	2830	FRANQUETTE CT	1.0	122.16
143-291-028-000	2838	FRANQUETTE CT	1.0	122.16
143-291-029-000	2844	FRANQUETTE CT	1.0	122.16
143-291-030-000	2852	FRANQUETTE CT	1.0	122.16
143-291-031-000	2862	FRANQUETTE CT	1.0	122.16
143-291-032-000	2868	FRANQUETTE CT	1.0	122.16
143-291-033-000	2876	FRANQUETTE CT	1.0	122.16
143-291-034-000	2884	FRANQUETTE CT	1.0	122.16
143-291-035-000	2885	TEHAMA DR	1.0	122.16
143-291-036-000	2871	TEHAMA DR	1.0	122.16
143-291-037-000	2861	TEHAMA DR	1.0	122.16
143-291-038-000	2853	TEHAMA DR	1.0	122.16
143-291-039-000	2845	TEHAMA DR	1.0	122.16
143-291-040-000	2839	TEHAMA DR	1.0	122.16
143-291-041-000	2831	TEHAMA DR	1.0	122.16
143-291-042-000	2823	TEHAMA DR	1.0	122.16
143-291-043-000	2817	TEHAMA DR	1.0	122.16
143-292-001-000	549	VINA CT	1.0	122.16
143-293-001-000	548	VINA CT	1.0	122.16
143-293-002-000	551	CHANDLER CT	1.0	122.16
143-294-001-000	550	CHANDLER CT	1.0	122.16
143-294-002-000	549	ALDRICH AVE	1.0	122.16
143-295-001-000	2909	TULARE ST	1.0	122.16
143-295-002-000	2917	TULARE ST	1.0	122.16
143-295-003-000	2923	TULARE ST	1.0	122.16
143-295-004-000	2931	TULARE ST	1.0	122.16
143-295-005-000	2937	TULARE ST	1.0	122.16
143-295-006-000	2945	TULARE ST	1.0	122.16
143-295-007-000	2953	TULARE ST	1.0	122.16
143-295-008-000	2959	TULARE ST	1.0	122.16
143-295-009-000	2965	TULARE ST	1.0	122.16
143-295-010-000	650	SERR AVE	1.0	122.16
143-295-011-000	644	SERR AVE	1.0	122.16
143-295-012-000	636	SERR AVE	1.0	122.16
143-295-013-000	630	SERR AVE	1.0	122.16
143-295-014-000	622	SERR AVE	1.0	122.16
143-295-015-000	616	SERR AVE	1.0	122.16

City of Livingston
LMD Zone 14 - Sundance (Country Villas)
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
143-295-016-000	608	SERR AVE	1.0	122.16
143-295-017-000	602	SERR AVE	1.0	122.16
143-296-001-000	2910	TULARE ST	1.0	122.16
143-296-002-000	2911	FRANQUETTE ST	1.0	122.16
143-296-003-000	2919	FRANQUETTE ST	1.0	122.16
143-296-004-000	2925	FRANQUETTE ST	1.0	122.16
143-296-005-000	2933	FRANQUETTE ST	1.0	122.16
143-296-006-000	2941	FRANQUETTE ST	1.0	122.16
143-296-007-000	2949	FRANQUETTE ST	1.0	122.16
143-296-008-000	2955	FRANQUETTE ST	1.0	122.16
143-296-009-000	2954	TULARE ST	1.0	122.16
143-296-010-000	2946	TULARE ST	1.0	122.16
143-296-011-000	2938	TULARE ST	1.0	122.16
143-296-012-000	2932	TULARE ST	1.0	122.16
143-296-013-000	2924	TULARE ST	1.0	122.16
143-296-014-000	2918	TULARE ST	1.0	122.16
143-297-001-000	2912	FRANQUETTE ST	1.0	122.16
143-297-002-000	2913	TEHAMA DR	1.0	122.16
143-297-003-000	2921	TEHAMA DR	1.0	122.16
143-297-004-000	2927	TEHAMA DR	1.0	122.16
143-297-005-000	2935	TEHAMA DR	1.0	122.16
143-297-006-000	2943	TEHAMA DR	1.0	122.16
143-297-008-000	2957	TEHAMA DR	1.0	122.16
143-297-009-000	2956	FRANQUETTE ST	1.0	122.16
143-297-010-000	2948	FRANQUETTE ST	1.0	122.16
143-297-011-000	2940	FRANQUETTE ST	1.0	122.16
143-297-012-000	2932	FRANQUETTE ST	1.0	122.16
143-297-013-000	2922	FRANQUETTE ST	1.0	122.16
143-297-014-000	2918	FRANQUETTE ST	1.0	122.16
143-298-001-000	548	ALDRICH AVE	1.0	122.16
143-298-002-000	551	SAUBER CT	1.0	122.16
143-299-001-000	550	SAUBER CT	1.0	122.16
143-301-001-000	548	SERR CT	1.0	122.16
143-301-002-000	542	SERR CT	1.0	122.16
143-301-003-000	536	SERR CT	1.0	122.16
143-301-004-000			1.0	122.16
143-301-005-000	524	SERR CT	1.0	122.16
143-301-006-000			1.0	122.16
143-301-007-000	512	SERR CT	1.0	122.16
143-301-008-000	506	SERR CT	1.0	122.16
143-301-009-000	500	SERR CT	1.0	122.16
143-301-010-000	501	SERR CT	1.0	122.16
143-301-011-000	507	SERR CT	1.0	122.16
143-301-012-000	513	SERR CT	1.0	122.16
143-301-013-000	519	SERR CT	1.0	122.16
143-301-014-000	525	SERR CT	1.0	122.16
143-301-015-000			1.0	122.16
143-301-016-000	537	SERR CT	1.0	122.16
143-301-017-000	543	SERR CT	1.0	122.16
143-301-018-000	549	SERR CT	1.0	122.16
143-301-019-000	542	SAUBER CT	1.0	122.16
143-301-020-000	536	SAUBER CT	1.0	122.16
143-301-021-000	530	SAUBER CT	1.0	122.16
143-301-022-000	524	SAUBER CT	1.0	122.16
143-301-023-000	518	SAUBER CT	1.0	122.16
143-301-024-000	512	SAUBER CT	1.0	122.16
143-301-025-000	506	SAUBER CT	1.0	122.16
143-301-026-000	500	SAUBER CT	1.0	122.16
143-301-027-000	501	SAUBER CT	1.0	122.16
143-301-028-000	507	SAUBER CT	1.0	122.16
143-301-029-000	513	SAUBER CT	1.0	122.16
143-301-030-000	519	SAUBER CT	1.0	122.16
143-301-031-000	525	SAUBER CT	1.0	122.16

City of Livingston
LMD Zone 14 - Sundance (Country Villas)
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
143-301-032-000	531	SAUBER CT	1.0	122.16
143-301-033-000	537	SAUBER CT	1.0	122.16
143-301-034-000	543	SAUBER CT	1.0	122.16
143-301-035-000	542	ALDRICH AVE	1.0	122.16
143-301-036-000	536	ALDRICH AVE	1.0	122.16
143-301-037-000	530	ALDRICH AVE	1.0	122.16
143-301-038-000	524	ALDRICH AVE	1.0	122.16
143-301-039-000	518	ALDRICH AVE	1.0	122.16
143-301-040-000	512	ALDRICH AVE	1.0	122.16
143-301-041-000	506	ALDRICH AVE	1.0	122.16
143-301-042-000	502	ALDRICH AVE	1.0	122.16
143-301-043-000	500	ALDRICH AVE	1.0	122.16
143-302-044-000	501	ALDRICH AVE	1.0	122.16
143-302-045-000	503	ALDRICH AVE	1.0	122.16
143-302-046-000	507	ALDRICH AVE	1.0	122.16
143-302-047-000	513	ALDRICH AVE	1.0	122.16
143-302-048-000	519	ALDRICH AVE	1.0	122.16
143-302-049-000	525	ALDRICH AVE	1.0	122.16
143-302-050-000	531	ALDRICH AVE	1.0	122.16
143-302-051-000	537	ALDRICH AVE	1.0	122.16
143-302-052-000	543	ALDRICH AVE	1.0	122.16
143-302-053-000	542	CHANDLER CT	1.0	122.16
143-302-054-000	536	CHANDLER CT	1.0	122.16
143-302-055-000	530	CHANDLER CT	1.0	122.16
143-302-056-000	524	CHANDLER CT	1.0	122.16
143-302-057-000	518	CHANDLER CT	1.0	122.16
143-302-058-000			1.0	122.16
143-302-059-000			1.0	122.16
143-302-060-000	500	CHANDLER CT	1.0	122.16
143-302-061-000			1.0	122.16
143-302-062-000			1.0	122.16
143-302-063-000	513	CHANDLER CT	1.0	122.16
143-302-064-000			1.0	122.16
143-302-065-000			1.0	122.16
143-302-066-000	531	CHANDLER CT	1.0	122.16
143-302-067-000	537	CHANDLER CT	1.0	122.16
143-302-068-000	548	CHANDLER CT	1.0	122.16
143-302-069-000			1.0	122.16
143-302-070-000	536	VINA CT	1.0	122.16
143-302-071-000			1.0	122.16
143-302-072-000	524	VINA CT	1.0	122.16
143-302-073-000	518	VINA CT	1.0	122.16
143-302-074-000	512	VINA CT	1.0	122.16
143-302-075-000	506	VINA CT	1.0	122.16
143-302-076-000	500	VINA CT	1.0	122.16
143-302-077-000	501	VINA CT	1.0	122.16
143-302-078-000	507	VINA CT	1.0	122.16
143-302-079-000	513	VINA CT	1.0	122.16
143-302-080-000	519	VINA CT	1.0	122.16
143-302-081-000	525	VINA CT	1.0	122.16
143-302-082-000			1.0	122.16
143-302-083-000	537	VINA CT	1.0	122.16
143-302-084-000	543	VINA CT	1.0	122.16

Summary Fields	Value
Number of Parcels to be Levied	179
Total EDUs	179.00
Total Charges	\$21,866.64

City of Livingston
LMD Zone 15 - Kensington Park South
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
023-100-050-000	2797	COLLEEN CT	1.0	136.12
023-100-051-000	2783	COLLEEN CT	1.0	136.12
023-100-052-000	2769	COLLEEN CT	1.0	136.12
023-100-053-000	2755	COLLEEN CT	1.0	136.12
023-100-054-000	2741	COLLEEN CT	1.0	136.12
023-100-055-000	2740	COLLEEN CT	1.0	136.12
023-100-056-000	2754	COLLEEN CT	1.0	136.12
023-100-057-000	2768	COLLEEN CT	1.0	136.12
023-100-058-000	2782	COLLEEN CT	1.0	136.12
023-100-059-000	2796	COLLEEN CT	1.0	136.12
023-100-060-000	2775	CLARET CIR	1.0	136.12
023-100-061-000	2761	CLARET CIR	1.0	136.12
023-100-062-000	2747	CLARET CIR	1.0	136.12
023-100-063-000	2733	CLARET CIR	1.0	136.12
023-100-064-000	2719	CLARET CIR	1.0	136.12
023-100-065-000	2705	CLARET CIR	1.0	136.12
023-100-066-000	2691	CLARET CIR	1.0	136.12
023-100-067-000	2677	CLARET CIR	1.0	136.12
023-100-068-000	2663	CLARET CIR	1.0	136.12
023-100-069-000	2649	CLARET CIR	1.0	136.12
023-100-070-000	2648	CLARET CIR	1.0	136.12
023-100-071-000	2662	CLARET CIR	1.0	136.12
023-100-072-000	2676	CLARET CIR	1.0	136.12
023-100-073-000	2690	CLARET CIR	1.0	136.12
023-100-074-000	2704	CLARET CIR	1.0	136.12
023-100-075-000	2718	CLARET CIR	1.0	136.12
023-100-076-000	2732	CLARET CIR	1.0	136.12
023-100-077-000	2746	CLARET CIR	1.0	136.12
023-100-078-000	2760	CLARET CIR	1.0	136.12
023-100-079-000	2774	CLARET CIR	1.0	136.12

Summary Fields	Value
Number of Parcels to be Levied	30
Total EDUs	30.00
Total Charges	\$4,083.60

City of Livingston
LMD Zone 16 - Bridgeport
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
022-073-001-000	901	MISTY HARBOUR DR	1.0	421.36
022-073-002-000	913	MISTY HARBOUR DR	1.0	421.36
022-073-003-000	923	MISTY HARBOUR DR	1.0	421.36
022-073-004-000	933	MISTY HARBOUR DR	1.0	421.36
022-073-005-000	943	MISTY HARBOUR DR	1.0	421.36
022-073-006-000	953	MISTY HARBOUR DR	1.0	421.36
022-073-007-000	963	MISTY HARBOUR DR	1.0	421.36
022-073-008-000	973	MISTY HARBOUR DR	1.0	421.36
022-073-009-000	983	MISTY HARBOUR DR	1.0	421.36
022-074-001-000	900	MISTY HARBOUR DR	1.0	421.36
022-074-002-000	903	BRIDGEPORT AVE	1.0	421.36
022-074-003-000	915	BRIDGEPORT AVE	1.0	421.36
022-074-004-000	925	BRIDGEPORT AVE	1.0	421.36
022-074-005-000	935	BRIDGEPORT AVE	1.0	421.36
022-074-006-000	945	BRIDGEPORT AVE	1.0	421.36
022-074-007-000	955	BRIDGEPORT AVE	1.0	421.36
022-074-008-000	965	BRIDGEPORT AVE	1.0	421.36
022-074-009-000	975	BRIDGEPORT AVE	1.0	421.36
022-074-010-000	985	BRIDGEPORT AVE	1.0	421.36
022-074-011-000	980	MISTY HARBOUR DR	1.0	421.36
022-074-012-000	970	MISTY HARBOUR DR	1.0	421.36
022-074-013-000	960	MISTY HARBOUR DR	1.0	421.36
022-074-014-000	950	MISTY HARBOUR DR	1.0	421.36
022-074-015-000	940	MISTY HARBOUR DR	1.0	421.36
022-074-016-000	930	MISTY HARBOUR DR	1.0	421.36
022-074-017-000	920	MISTY HARBOUR DR	1.0	421.36
022-074-018-000	910	MISTY HARBOUR DR	1.0	421.36
022-075-001-000	902	BRIDGEPORT AVE	1.0	421.36
022-075-002-000	912	BRIDGEPORT AVE	1.0	421.36
022-075-003-000	922	BRIDGEPORT AVE	1.0	421.36
022-075-004-000	932	BRIDGEPORT AVE	1.0	421.36
022-075-005-000	942	BRIDGEPORT AVE	1.0	421.36
022-075-006-000	952	BRIDGEPORT AVE	1.0	421.36
022-075-007-000	962	BRIDGEPORT AVE	1.0	421.36
022-075-008-000	972	BRIDGEPORT AVE	1.0	421.36
022-075-009-000	982	BRIDGEPORT AVE	1.0	421.36
022-101-001-000	1033	MISTY HARBOUR DR	1.0	421.36
022-101-002-000	1043	MISTY HARBOUR DR	1.0	421.36
022-101-003-000	1053	MISTY HARBOUR DR	1.0	421.36
022-101-004-000	1063	MISTY HARBOUR DR	1.0	421.36
022-101-005-000	1073	MISTY HARBOUR DR	1.0	421.36
022-101-006-000	1023	MISTY HARBOUR DR	1.0	421.36
022-101-007-000	1013	MISTY HARBOUR DR	1.0	421.36
022-101-008-000	1003	MISTY HARBOUR DR	1.0	421.36
022-101-009-000	993	MISTY HARBOUR DR	1.0	421.36
022-102-001-000	521	SEAPORT VILLAGE DR	1.0	421.36
022-102-002-000	541	SEAPORT VILLAGE DR	1.0	421.36
022-102-003-000	551	SEAPORT VILLAGE DR	1.0	421.36
022-102-004-000	1015	BRIDGEPORT AVE	1.0	421.36
022-102-005-000	1005	BRIDGEPORT AVE	1.0	421.36
022-102-006-000	995	BRIDGEPORT AVE	1.0	421.36
022-102-007-000	990	MISTY HARBOUR DR	1.0	421.36
022-102-008-000	1000	MISTY HARBOUR DR	1.0	421.36
022-102-009-000	1010	MISTY HARBOUR DR	1.0	421.36
022-103-001-000	520	SEAPORT VILLAGE DR	1.0	421.36
022-103-002-000	530	SEAPORT VILLAGE DR	1.0	421.36
022-103-003-000	540	SEAPORT VILLAGE DR	1.0	421.36
022-103-004-000	550	SEAPORT VILLAGE DR	1.0	421.36
022-103-005-000	560	SEAPORT VILLAGE DR	1.0	421.36
022-103-006-000	570	SEAPORT VILLAGE DR	1.0	421.36
022-103-007-000	577	MONT CLIFF WAY	1.0	421.36
022-103-008-000	567	MONT CLIFF WAY	1.0	421.36

City of Livingston
LMD Zone 16 - Bridgeport
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
022-103-009-000	557	MONT CLIFF WAY	1.0	421.36
022-103-010-000	547	MONT CLIFF WAY	1.0	421.36
022-103-011-000	537	MONT CLIFF WAY	1.0	421.36
022-103-012-000	527	MONT CLIFF WAY	1.0	421.36
022-103-013-000	580	SEAPORT VILLAGE DR	1.0	421.36
022-103-014-000	587	MONT CLIFF WAY	1.0	421.36
022-104-001-000	502	MONT CLIFF WAY	1.0	421.36
022-104-002-000	512	MONT CLIFF WAY	1.0	421.36
022-104-003-000	522	MONT CLIFF WAY	1.0	421.36
022-104-004-000	532	MONT CLIFF WAY	1.0	421.36
022-104-005-000	542	MONT CLIFF WAY	1.0	421.36
022-104-006-000	552	MONT CLIFF WAY	1.0	421.36
022-104-007-000	562	MONT CLIFF WAY	1.0	421.36
022-104-008-000	572	MONT CLIFF WAY	1.0	421.36
022-104-009-000	582	MONT CLIFF WAY	1.0	421.36
022-107-001-000			1.0	421.36
022-107-002-000	1002	BRIDGEPORT AVE	1.0	421.36
022-107-003-000	1012	BRIDGEPORT AVE	1.0	421.36
022-107-004-000	1022	BRIDGEPORT AVE	1.0	421.36
022-107-005-000	1032	BRIDGEPORT AVE	1.0	421.36

Summary Fields	Value
Number of Parcels to be Levied	82
Total EDUs	82.00
Total Charges	\$34,551.52

City of Livingston
LMD Zone 17 - Davante Villas
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
022-081-001-000			1.0	605.82
022-081-002-000	912	BRIARWOOD DR	1.0	605.82
022-081-003-000	922	BRIARWOOD DR	1.0	605.82
022-081-004-000	938	BRIARWOOD DR	1.0	605.82
022-081-005-000	952	BRIARWOOD DR	1.0	605.82
022-081-006-000	951	DALLAS CT	1.0	605.82
022-081-007-000	935	DALLAS CT	1.0	605.82
022-081-008-000	925	DALLAS CT	1.0	605.82
022-081-009-000	915	DALLAS CT	1.0	605.82
022-081-010-000	903	DALLAS CT	1.0	605.82
022-081-011-000	902	DALLAS CT	1.0	605.82
022-081-012-000	912	DALLAS CT	1.0	605.82
022-081-013-000	922	DALLAS CT	1.0	605.82
022-081-014-000	938	DALLAS CT	1.0	605.82
022-081-015-000			1.0	605.82
022-081-016-000	951	MONTELENA CT	1.0	605.82
022-081-017-000	935	MONTELENA CT	1.0	605.82
022-081-018-000	925	MONTELENA CT	1.0	605.82
022-081-019-000	915	MONTELENA CT	1.0	605.82
022-081-020-000	903	MONTELENA CT	1.0	605.82
022-081-021-000	902	MONTELENA CT	1.0	605.82
022-081-022-000	912	MONTELENA CT	1.0	605.82
022-081-023-000	922	MONTELENA CT	1.0	605.82
022-081-024-000	938	MONTELENA CT	1.0	605.82
022-081-025-000	952	MONTELENA CT	1.0	605.82
022-081-026-000	951	CHASTANET CT	1.0	605.82
022-081-027-000	935	CHASTANET CT	1.0	605.82
022-081-028-000	925	CHASTANET CT	1.0	605.82
022-081-029-000	915	CHASTANET CT	1.0	605.82
022-081-030-000	901	CHASTANET CT	1.0	605.82
022-081-031-000	902	CHASTANET CT	1.0	605.82
022-081-032-000			1.0	605.82
022-081-033-000			1.0	605.82
022-081-034-000	912	CHASTANET CT	1.0	605.82
022-081-035-000	922	CHASTANET CT	1.0	605.82
022-081-036-000			1.0	605.82
022-081-037-000			1.0	605.82
022-081-038-000	938	CHASTANET CT	1.0	605.82
022-081-039-000			1.0	605.82
022-081-040-000	952	CHASTANET CT	1.0	605.82
022-081-041-000			1.0	605.82
022-081-042-000	962	CHASTANET CT	1.0	605.82
022-081-043-000			1.0	605.82
022-081-044-000			1.0	605.82
022-081-045-000	888	VINE CLIFF WAY	1.0	605.82
022-081-046-000	876	VINE CLIFF WAY	1.0	605.82
022-081-047-000	864	VINE CLIFF WAY	1.0	605.82
022-081-048-000	852	VINE CLIFF WAY	1.0	605.82
022-081-049-000	840	VINE CLIFF WAY	1.0	605.82
022-081-050-000	839	CHANDON CT	1.0	605.82
022-081-051-000	851	CHANDON CT	1.0	605.82
022-081-052-000	863	CHANDON CT	1.0	605.82
022-081-053-000	875	CHANDON CT	1.0	605.82
022-081-054-000	887	CHANDON CT	1.0	605.82
022-081-055-000	893	CHANDON CT	1.0	605.82
022-081-056-000	897	CHANDON CT	1.0	605.82
022-081-057-000	898	CHANDON CT	1.0	605.82
022-081-058-000	894	CHANDON CT	1.0	605.82
022-081-059-000	888	CHANDON CT	1.0	605.82
022-081-060-000	876	CHANDON CT	1.0	605.82
022-081-061-000	864	CHANDON CT	1.0	605.82
022-081-062-000	852	CHANDON CT	1.0	605.82

City of Livingston
LMD Zone 17 - Davante Villas
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
022-081-063-000			1.0	605.82
022-082-001-000	975	MONTELENA AVE	1.0	605.82
022-082-002-000			1.0	605.82
022-082-003-000	995	MONTELENA AVE	1.0	605.82
022-082-004-000	1005	MONTELENA AVE	1.0	605.82
022-082-005-000	1015	MONTELENA AVE	1.0	605.82
022-082-006-000	1025	MONTELENA AVE	1.0	605.82
022-082-007-000	992	DALLAS DR	1.0	605.82
022-082-008-000	982	DALLAS DR	1.0	605.82
022-082-009-000	972	DALLAS DR	1.0	605.82
022-083-001-000	975	DALLAS DR	1.0	605.82
022-083-002-000	985	DALLAS DR	1.0	605.82
022-083-003-000	995	DALLAS DR	1.0	605.82
022-083-004-000	992	BRIARWOOD DR	1.0	605.82
022-083-005-000	982	BRIARWOOD DR	1.0	605.82
022-083-006-000	972	BRIARWOOD DR	1.0	605.82
022-084-001-000	656	F ST	1.0	605.82
022-084-002-000	668	F ST	1.0	605.82
022-084-003-000	903	BRIARWOOD DR	1.0	605.82
022-084-004-000	915	BRIARWOOD DR	1.0	605.82
022-084-005-000	925	BRIARWOOD DR	1.0	605.82
022-084-006-000	669	MIADORA CT	1.0	605.82
022-084-007-000	657	MIADORA CT	1.0	605.82
022-084-008-000	656	MIADORA CT	1.0	605.82
022-084-009-000	668	MIADORA CT	1.0	605.82
022-084-010-000	680	MIADORA CT	1.0	605.82
022-084-011-000	965	BRIARWOOD DR	1.0	605.82
022-084-012-000	975	BRIARWOOD DR	1.0	605.82
022-084-013-000	687	CALERO CT	1.0	605.82
022-084-014-000	669	CALERO CT	1.0	605.82
022-084-015-000	657	CALERO CT	1.0	605.82
022-091-001-000	1035	MONTELENA AVE	1.0	605.82
022-091-002-000	1045	MONTELENA AVE	1.0	605.82
022-091-003-000	1055	MONTELENA AVE	1.0	605.82
022-091-004-000	1065	MONTELENA AVE	1.0	605.82
022-091-005-000	1075	MONTELENA AVE	1.0	605.82
022-091-006-000	1072	DALLAS DR	1.0	605.82
022-091-007-000	1062	DALLAS DR	1.0	605.82
022-091-008-000	1052	DALLAS DR	1.0	605.82
022-091-009-000	1042	DALLAS DR	1.0	605.82
022-091-010-000	1032	DALLAS DR	1.0	605.82
022-091-011-000	1022	DALLAS DR	1.0	605.82
022-091-012-000	1012	DALLAS DR	1.0	605.82
022-091-013-000	1002	DALLAS DR	1.0	605.82
022-092-001-000			1.0	605.82
022-092-002-000			1.0	605.82
022-092-003-000			1.0	605.82
022-092-004-000			1.0	605.82
022-092-005-000			1.0	605.82
022-092-006-000			1.0	605.82
022-092-007-000			1.0	605.82
022-092-008-000			1.0	605.82
022-092-009-000			1.0	605.82
022-092-010-000	1072	AMARONE WAY	1.0	605.82
022-093-002-000			1.0	605.82
022-093-003-000			1.0	605.82
022-093-004-000	772	MONT CLIFF WAY	1.0	605.82
022-093-005-000	762	MONT CLIFF WAY	1.0	605.82
022-093-006-000	752	MONT CLIFF WAY	1.0	605.82
022-093-007-000	742	MONT CLIFF WAY	1.0	605.82
022-093-008-000	732	MONT CLIFF WAY	1.0	605.82
022-093-009-000	722	MONT CLIFF WAY	1.0	605.82

City of Livingston
LMD Zone 17 - Davante Villas
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
022-093-010-000	712	MONT CLIFF WAY	1.0	605.82
022-094-001-000	656	CALERO CT	1.0	605.82
022-094-002-000	668	CALERO CT	1.0	605.82
022-094-003-000	1003	BRIARWOOD DR	1.0	605.82
022-094-004-000	1013	BRIARWOOD DR	1.0	605.82
022-094-005-000	1023	BRIARWOOD DR	1.0	605.82
022-094-006-000	669	SEAPORT VILLAGE DR	1.0	605.82
022-094-007-000	657	SEAPORT VILLAGE DR	1.0	605.82
022-095-001-000	1005	DALLAS DR	1.0	605.82
022-095-002-000	1015	DALLAS DR	1.0	605.82
022-095-003-000	1025	DALLAS DR	1.0	605.82
022-095-004-000	1035	DALLAS DR	1.0	605.82
022-095-005-000	1045	DALLAS DR	1.0	605.82
022-095-006-000	1055	DALLAS DR	1.0	605.82
022-095-007-000	1065	DALLAS DR	1.0	605.82
022-095-008-000	1075	DALLAS DR	1.0	605.82
022-095-009-000	1072	BRIARWOOD DR	1.0	605.82
022-095-010-000	1062	BRIARWOOD DR	1.0	605.82
022-095-011-000	1052	BRIARWOOD DR	1.0	605.82
022-095-012-000	1042	BRIARWOOD DR	1.0	605.82
022-095-013-000	1032	BRIARWOOD DR	1.0	605.82
022-095-014-000	1022	BRIARWOOD DR	1.0	605.82
022-095-015-000	1012	BRIARWOOD DR	1.0	605.82
022-095-016-000	1002	BRIARWOOD DR	1.0	605.82
022-096-001-000	656	SEAPORT VILLAGE DR	1.0	605.82
022-096-002-000	668	SEAPORT VILLAGE DR	1.0	605.82
022-096-003-000	1053	BRIARWOOD DR	1.0	605.82
022-096-004-000	1063	BRIARWOOD DR	1.0	605.82
022-096-005-000	1073	BRIARWOOD DR	1.0	605.82

Summary Fields	Value
Number of Parcels to be Levied	153
Total EDUs	153.00
Total Charges	\$92,690.46

City of Livingston
LMD Zone 18 - Country Lane I
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
023-034-001-000	2133	ASPENGLLEN WAY	1.0	447.28
023-034-002-000	2143	ASPENGLLEN WAY	1.0	447.28
023-034-003-000	2153	ASPENGLLEN WAY	1.0	447.28
023-034-004-000	2163	ASPENGLLEN WAY	1.0	447.28
023-034-005-000	2173	ASPENGLLEN WAY	1.0	447.28
023-034-006-000	2183	ASPENGLLEN WAY	1.0	447.28
023-034-007-000	2193	ASPENGLLEN WAY	1.0	447.28
023-034-008-000	2203	ASPENGLLEN WAY	1.0	447.28
023-034-009-000	2213	ASPENGLLEN WAY	1.0	447.28
023-034-010-000	2223	ASPENGLLEN WAY	1.0	447.28
023-035-001-000	2130	ASPENGLLEN WAY	1.0	447.28
023-035-002-000	2140	ASPENGLLEN WAY	1.0	447.28
023-035-003-000	2150	ASPENGLLEN WAY	1.0	447.28
023-035-004-000	2160	ASPENGLLEN WAY	1.0	447.28
023-035-005-000	2170	ASPENGLLEN WAY	1.0	447.28
023-035-006-000	899	JORDONOLLA WAY	1.0	447.28
023-035-007-000	889	JORDONOLLA WAY	1.0	447.28
023-035-008-000	877	JORDONOLLA WAY	1.0	447.28
023-035-009-000	867	JORDONOLLA WAY	1.0	447.28
023-035-010-000	855	JORDONOLLA WAY	1.0	447.28
023-035-011-000	845	JORDONOLLA WAY	1.0	447.28
023-035-012-000	2193	KAPREIL WAY	1.0	447.28
023-035-013-000	2183	KAPREIL WAY	1.0	447.28
023-035-014-000	2173	KAPREIL WAY	1.0	447.28
023-035-015-000	2163	KAPREIL WAY	1.0	447.28
023-035-016-000	2153	KAPREIL WAY	1.0	447.28
023-035-017-000	2143	KAPREIL WAY	1.0	447.28
023-035-018-000	2133	KAPREIL WAY	1.0	447.28
023-035-019-000	2130	KARINA LAU CT	1.0	447.28
023-035-020-000	2140	KARINA LAU CT	1.0	447.28
023-035-021-000	2150	KARINA LAU CT	1.0	447.28
023-035-022-000	2160	KARINA LAU CT	1.0	447.28
023-035-023-000	2170	KARINA LAU CT	1.0	447.28
023-035-024-000	2173	KARINA LAU CT	1.0	447.28
023-035-025-000	2163	KARINA LAU CT	1.0	447.28
023-035-026-000	2153	KARINA LAU CT	1.0	447.28
023-035-027-000	2143	KARINA LAU CT	1.0	447.28
023-035-028-000	2133	KARINA LAU CT	1.0	447.28
023-036-001-000	898	JORDONOLLA WAY	1.0	447.28
023-036-002-000	888	JORDONOLLA WAY	1.0	447.28
023-036-003-000	878	JORDONOLLA WAY	1.0	447.28
023-036-004-000	868	JORDONOLLA WAY	1.0	447.28
023-036-005-000	856	JORDONOLLA WAY	1.0	447.28
023-036-006-000	846	JORDONOLLA WAY	1.0	447.28
023-036-007-000	834	JORDONOLLA WAY	1.0	447.28
023-036-008-000	824	JORDONOLLA WAY	1.0	447.28
023-043-001-000	2130	KAPREIL WAY	1.0	447.28
023-043-002-000	2140	KAPREIL WAY	1.0	447.28
023-043-003-000	2150	KAPREIL WAY	1.0	447.28
023-043-004-000	2160	KAPREIL WAY	1.0	447.28
023-043-005-000	2170	KAPREIL WAY	1.0	447.28
023-043-006-000	2180	KAPREIL WAY	1.0	447.28
023-043-007-000	2190	KAPREIL WAY	1.0	447.28
023-043-008-000	2200	KAPREIL WAY	1.0	447.28
023-043-009-000	2210	KAPREIL WAY	1.0	447.28
023-043-010-000	814	JORDONOLLA WAY	1.0	447.28

Summary Fields	Value
Number of Parcels to be Levied	56
Total EDUs	56.00
Total Charges	\$25,047.68

City of Livingston
LMD Zone 19 - Country Lane II
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
023-011-001-000	2085	KISHI DR	1.0	846.44
023-011-002-000	2075	KISHI DR	1.0	846.44
023-011-003-000	2065	KISHI DR	1.0	846.44
023-011-004-000	2055	KISHI DR	1.0	846.44
023-011-005-000	2047	KISHI DR	1.0	846.44
023-011-006-000	2035	KISHI DR	1.0	846.44
023-011-007-000	2025	KISHI DR	1.0	846.44
023-011-008-000	1157	NARADA WAY	1.0	846.44
023-011-009-000	1141	NARADA WAY	1.0	846.44
023-011-010-000	1127	NARADA WAY	1.0	846.44
023-011-011-000	1113	NARADA WAY	1.0	846.44
023-011-012-000	1101	NARADA WAY	1.0	846.44
023-011-013-000	1085	NARADA WAY	1.0	846.44
023-011-014-000	1071	NARADA WAY	1.0	846.44
023-011-015-000	1059	NARADA WAY	1.0	846.44
023-011-016-000	1045	NARADA WAY	1.0	846.44
023-012-001-000	1138	NARADA WAY	1.0	846.44
023-012-002-000	1137	SHOJI CT	1.0	846.44
023-012-003-000	1125	SHOJI CT	1.0	846.44
023-012-004-000	1113	SHOJI CT	1.0	846.44
023-012-005-000	1097	SHOJI CT	1.0	846.44
023-012-006-000	1079	SHOJI CT	1.0	846.44
023-012-007-000	1065	SHOJI CT	1.0	846.44
023-012-008-000	1047	SHOJI CT	1.0	846.44
023-012-009-000	1064	NARADA WAY	1.0	846.44
023-012-010-000	1064	NARADA WAY	1.0	846.44
023-012-011-000	1078	NARADA WAY	1.0	846.44
023-012-012-000	1098	NARADA WAY	1.0	846.44
023-012-013-000	1112	NARADA WAY	1.0	846.44
023-012-014-000	1126	NARADA WAY	1.0	846.44
023-013-001-000	1138	SHOJI CT	1.0	846.44
023-013-002-000	1126	SHOJI CT	1.0	846.44
023-013-003-000	1112	SHOJI CT	1.0	846.44
023-013-004-000	1098	SHOJI CT	1.0	846.44
023-013-005-000	1078	SHOJI CT	1.0	846.44
023-013-006-000	1064	SHOJI CT	1.0	846.44
023-013-007-000	1048	SHOJI CT	1.0	846.44
023-014-001-000	2123	KISHI DR	1.0	846.44
023-014-002-000	2133	KISHI DR	1.0	846.44
023-014-003-000	2143	KISHI DR	1.0	846.44
023-014-004-000	2153	KISHI DR	1.0	846.44
023-014-005-000	2163	KISHI DR	1.0	846.44
023-014-006-000	2173	KISHI DR	1.0	846.44
023-014-007-000	2183	KISHI DR	1.0	846.44
023-014-008-000	2193	KISHI DR	1.0	846.44
023-014-009-000	2201	KISHI DR	1.0	846.44
023-015-001-000	2124	KISHI DR	1.0	846.44
023-015-002-000	2134	KISHI DR	1.0	846.44
023-015-003-000	2144	KISHI DR	1.0	846.44
023-015-004-000	2154	KISHI DR	1.0	846.44
023-015-005-000	2164	KISHI DR	1.0	846.44
023-015-006-000	2174	KISHI DR	1.0	846.44
023-015-007-000	2184	KISHI DR	1.0	846.44
023-015-008-000	1137	OHKI ST	1.0	846.44
023-015-009-000	1127	OHKI ST	1.0	846.44
023-015-010-000	1115	OHKI ST	1.0	846.44
023-015-011-000	2183	KINOSHITA CT	1.0	846.44
023-015-012-000	2173	KINOSHITA CT	1.0	846.44
023-015-013-000	2163	KINOSHITA CT	1.0	846.44
023-015-014-000	2153	KINOSHITA CT	1.0	846.44
023-015-015-000	2143	KINOSHITA CT	1.0	846.44
023-015-016-000	2133	KINOSHITA CT	1.0	846.44
023-015-017-000	2123	KINOSHITA CT	1.0	846.44

City of Livingston
LMD Zone 19 - Country Lane II
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
023-015-019-000	2126	KINOSHITA CT	1.0	846.44
023-015-020-000	2142	KINOSHITA CT	1.0	846.44
023-015-021-000	2154	KINOSHITA CT	1.0	846.44
023-015-022-000	2164	KINOSHITA CT	1.0	846.44
023-015-023-000	2174	KINOSHITA CT	1.0	846.44
023-015-024-000	2184	KINOSHITA CT	1.0	846.44
023-015-025-000	1079	OHKI ST	1.0	846.44
023-015-026-000	1065	OHKI ST	1.0	846.44
023-015-027-000	1047	OHKI ST	1.0	846.44
023-015-028-000	2183	WAKAMI DR	1.0	846.44
023-015-029-000	2173	WAKAMI DR	1.0	846.44
023-015-030-000	2163	WAKAMI DR	1.0	846.44
023-015-031-000	2153	WAKAMI DR	1.0	846.44
023-015-032-000	2143	WAKAMI DR	1.0	846.44
023-015-033-000	2133	WAKAMI DR	1.0	846.44
023-016-002-000	1148	OHKI ST	1.0	846.44
023-016-003-000	1136	OHKI ST	1.0	846.44
023-016-004-000	1124	OHKI ST	1.0	846.44
023-016-005-000	1112	OHKI ST	1.0	846.44
023-016-006-000	1098	OHKI ST	1.0	846.44
023-016-007-000	1078	OHKI ST	1.0	846.44
023-016-008-000	1064	OHKI ST	1.0	846.44
023-016-009-000	1048	OHKI ST	1.0	846.44
023-021-001-000	1033	NARADA WAY	1.0	846.44
023-021-002-000	1019	NARADA WAY	1.0	846.44
023-021-003-000	1007	NARADA WAY	1.0	846.44
023-021-004-000	999	NARADA WAY	1.0	846.44
023-021-005-000	977	NARADA WAY	1.0	846.44
023-021-006-000	965	NARADA WAY	1.0	846.44
023-021-007-000	955	NARADA WAY	1.0	846.44
023-021-008-000	945	NARADA WAY	1.0	846.44
023-022-001-000	935	NARADA WAY	1.0	846.44
023-023-001-000	1048	NARADA WAY	1.0	846.44
023-023-002-000	1020	NARADA WAY	1.0	846.44
023-023-003-000	2035	WAKAMI DR	1.0	846.44
023-023-004-000	2047	WAKAMI DR	1.0	846.44
023-023-005-000	2055	WAKAMI DR	1.0	846.44
023-023-006-000	2065	WAKAMI DR	1.0	846.44
023-023-007-000	2089	WAKAMI DR	1.0	846.44
023-023-008-000	2109	WAKAMI DR	1.0	846.44
023-023-009-000	2123	WAKAMI DR	1.0	846.44
023-023-010-000	1028	WILLOW BROOK CT	1.0	846.44
023-023-011-000	1019	WILLOW BROOK CT	1.0	846.44
023-023-012-000	1035	WILLOW BROOK CT	1.0	846.44
023-024-001-000	2034	WAKAMI DR	1.0	846.44
023-024-002-000	1030	NARADA WAY	1.0	846.44
023-024-003-000	2054	WAKAMI DR	1.0	846.44
023-024-004-000	2064	WAKAMI DR	1.0	846.44
023-024-005-000	2086	WAKAMI DR	1.0	846.44
023-024-006-000	2100	WAKAMI DR	1.0	846.44
023-024-007-000	2114	WAKAMI DR	1.0	846.44
023-024-008-000	2126	WAKAMI DR	1.0	846.44
023-024-009-000	2123	GRAPEVINE DR	1.0	846.44
023-024-010-000	2111	GRAPEVINE DR	1.0	846.44
023-024-011-000	2099	GRAPEVINE DR	1.0	846.44
023-024-012-000	2085	GRAPEVINE DR	1.0	846.44
023-024-013-000	2065	GRAPEVINE DR	1.0	846.44
023-024-014-000	2055	GRAPEVINE DR	1.0	846.44
023-024-015-000	2047	GRAPEVINE DR	1.0	846.44
023-024-016-000	2035	GRAPEVINE DR	1.0	846.44
023-025-001-000	2034	GRAPEVINE DR	1.0	846.44
023-025-002-000	2046	GRAPEVINE DR	1.0	846.44
023-025-003-000	2054	GRAPEVINE DR	1.0	846.44

City of Livingston
LMD Zone 19 - Country Lane II
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
023-025-004-000	2064	GRAPEVINE DR	1.0	846.44
023-025-005-000	2086	GRAPEVINE DR	1.0	846.44
023-025-006-000	2100	GRAPEVINE DR	1.0	846.44
023-025-007-000	2114	GRAPEVINE DR	1.0	846.44
023-025-008-000	2126	GRAPEVINE DR	1.0	846.44
023-026-001-000	1009	MORI CT	1.0	846.44
023-026-002-000	2184	WAKAMI DR	1.0	846.44
023-026-003-000	2194	WAKAMI DR	1.0	846.44
023-026-004-000	2204	WAKAMI DR	1.0	846.44
023-026-005-000	2214	WAKAMI DR	1.0	846.44
023-026-006-000	2224	WAKAMI DR	1.0	846.44
023-026-007-000	2223	NATSU RD	1.0	846.44
023-026-008-000	2213	NATSU RD	1.0	846.44
023-026-009-000	2203	NATSU RD	1.0	846.44
023-026-010-000	2193	NATSU RD	1.0	846.44
023-026-011-000	2183	NATSU RD	1.0	846.44
023-026-012-000	986	MORI CT	1.0	846.44
023-026-013-000	994	MORI CT	1.0	846.44
023-027-001-000	999	MORI CT	1.0	846.44
023-027-002-000	989	MORI CT	1.0	846.44
023-027-003-000	983	MORI CT	1.0	846.44
023-027-004-000	975	MORI CT	1.0	846.44
023-027-005-000	965	MORI CT	1.0	846.44
023-027-006-000	955	MORI CT	1.0	846.44
023-027-007-000	941	MORI CT	1.0	846.44
023-027-008-000	931	MORI CT	1.0	846.44
023-027-009-000	932	MORI CT	1.0	846.44
023-027-010-000	942	MORI CT	1.0	846.44
023-027-011-000	954	MORI CT	1.0	846.44
023-027-012-000	964	MORI CT	1.0	846.44
023-027-013-000	974	MORI CT	1.0	846.44

Summary Fields	Value
Number of Parcels to be Levied	157
Total EDUs	157.00
Total Charges	\$132,891.08

City of Livingston
LMD Zone 20 - Parkside Forecast
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
022-062-005-000	377	TASHIMA DR	1.0	212.28
022-062-006-000	371	TASHIMA DR	1.0	212.28
022-062-007-000	363	TASHIMA DR	1.0	212.28
022-062-008-000	355	TASHIMA DR	1.0	212.28
022-062-009-000	343	TASHIMA CT	1.0	212.28
022-062-010-000	335	TASHIMA CT	1.0	212.28
022-062-011-000			1.0	212.28
022-062-012-000	321	TASHIMA DR	1.0	212.28
022-062-013-000	1012	PARADISE DR	1.0	212.28
022-062-014-000	322	PARADISE DR	1.0	212.28
022-062-015-000	328	PARADISE DR	1.0	212.28
022-062-016-000	334	PARADISE DR	1.0	212.28
022-067-007-000	301	PARADISE DR	1.0	212.28
022-067-008-000	307	PARADISE DR	1.0	212.28
022-067-009-000	315	PARADISE DR	1.0	212.28
022-067-010-000	951	DOSANGH CT	1.0	212.28
022-067-011-000	939	DOSANGH CT	1.0	212.28
022-067-012-000	923	DOSANGH CT	1.0	212.28
022-067-013-000	310	DOSANGH CT	1.0	212.28
022-067-014-000	308	DOSANGH CT	1.0	212.28
022-067-015-000	300	DOSANGH CT	1.0	212.28
022-067-016-000	301	DOSANGH CT	1.0	212.28
022-067-017-000	307	DOSANGH CT	1.0	212.28
022-067-018-000	315	DOSANGH CT	1.0	212.28
022-067-019-000	323	DOSANGH CT	1.0	212.28
022-067-020-000	329	DOSANGH CT	1.0	212.28
022-067-021-000	335	DOSANGH CT	1.0	212.28
022-067-022-000	912	DOSANGH CT	1.0	212.28
022-067-023-000	924	DOSANGH CT	1.0	212.28
022-067-024-000	938	DOSANGH CT	1.0	212.28
022-067-025-000	950	DOSANGH CT	1.0	212.28
022-068-004-000	1085	FERNWOOD WAY	1.0	212.28
022-068-005-000	1067	FERNWOOD WAY	1.0	212.28
022-068-006-000	1049	FERNWOOD WAY	1.0	212.28
022-068-007-000	1031	FERNWOOD WAY	1.0	212.28
022-068-008-000	1013	FERNWOOD WAY	1.0	212.28
022-069-001-000	320	TASHIMA DR	1.0	212.28
022-069-002-000	328	TASHIMA DR	1.0	212.28
022-069-003-000	336	TASHIMA DR	1.0	212.28
022-069-004-000	344	TASHIMA DR	1.0	212.28
022-069-005-000	354	TASHIMA DR	1.0	212.28
022-069-006-000	362	TASHIMA DR	1.0	212.28
022-069-007-000	368	TASHIMA DR	1.0	212.28
022-069-008-000	376	TASHIMA DR	1.0	212.28
022-105-002-000	407	TASHIMA CT	1.0	212.28
022-105-003-000	419	TASHIMA CT	1.0	212.28
022-105-004-000	429	TASHIMA CT	1.0	212.28
022-105-005-000	437	TASHIMA CT	1.0	212.28
022-105-006-000	447	TASHIMA CT	1.0	212.28
022-105-007-000	457	TASHIMA CT	1.0	212.28
022-105-008-000	469	TASHIMA CT	1.0	212.28
022-105-009-000	454	TASHIMA CT	1.0	212.28
022-105-010-000	444	TASHIMA CT	1.0	212.28
022-105-011-000	436	TASHIMA CT	1.0	212.28
022-105-012-000	428	TASHIMA CT	1.0	212.28
022-105-013-000	418	TASHIMA CT	1.0	212.28
022-105-014-000	406	TASHIMA CT	1.0	212.28
022-105-015-000	398	TASHIMA CT	1.0	212.28
022-105-016-000	390	TASHIMA CT	1.0	212.28
022-108-001-000	385	TASHIMA DR	1.0	212.28
022-108-002-000	393	TASHIMA DR	1.0	212.28
022-111-001-000	1103	FERNWOOD WAY	1.0	212.28

City of Livingston
LMD Zone 20 - Parkside Forecast
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
022-111-002-000	1125	FERNWOOD WAY	1.0	212.28
022-111-003-000	1147	FERNWOOD WAY	1.0	212.28
022-111-004-000	1169	FERNWOOD WAY	1.0	212.28
022-111-005-000	1191	FERNWOOD WAY	1.0	212.28
022-111-006-000	1213	FERNWOOD WAY	1.0	212.28
022-112-001-000	321	JASMINE LN	1.0	212.28
022-112-002-000	327	JASMINE LN	1.0	212.28
022-112-003-000	335	JASMINE LN	1.0	212.28
022-112-004-000	343	JASMINE LN	1.0	212.28
022-112-005-000	353	JASMINE LN	1.0	212.28
022-112-006-000	359	JASMINE LN	1.0	212.28
022-112-007-000	369	JASMINE LN	1.0	212.28
022-112-008-000	375	JASMINE LN	1.0	212.28
022-113-001-000	1169	VINEMAPLE WAY	1.0	212.28
022-113-002-000	1191	VINEMAPLE WAY	1.0	212.28
022-113-003-000	1213	VINEMAPLE WAY	1.0	212.28
022-113-004-000	1210	FERNWOOD WAY	1.0	212.28
022-113-005-000	1190	FERNWOOD WAY	1.0	212.28
022-113-006-000	1168	FERNWOOD WAY	1.0	212.28
022-114-001-000	350	JASMINE LN	1.0	212.28
022-114-002-000	358	JASMINE LN	1.0	212.28
022-114-003-000	360	JASMINE LN	1.0	212.28
022-114-004-000	376	JASMINE LN	1.0	212.28
022-114-005-000	1201	PARKSIDE WAY	1.0	212.28
022-114-006-000	1200	VINEMAPLE WAY	1.0	212.28
022-121-001-000	1235	FERNWOOD WAY	1.0	212.28
022-121-002-000	1257	FERNWOOD WAY	1.0	212.28
022-122-002-000	1301	FERNWOOD WAY	1.0	212.28
022-122-003-000	1323	FERNWOOD WAY	1.0	212.28
022-122-004-000	1345	FERNWOOD WAY	1.0	212.28
022-122-005-000	1367	FERNWOOD WAY	1.0	212.28
022-122-006-000	1389	FERNWOOD WAY	1.0	212.28
022-122-007-000	1401	FERNWOOD WAY	1.0	212.28
022-122-008-000	1423	FERNWOOD WAY	1.0	212.28
022-122-009-000	308	KENSINGTON DR	1.0	212.28
022-122-010-000	316	KENSINGTON DR	1.0	212.28
022-122-011-000	324	KENSINGTON DR	1.0	212.28
022-122-012-000	334	KENSINGTON DR	1.0	212.28
022-122-013-000	340	KENSINGTON DR	1.0	212.28
022-122-014-000	346	KENSINGTON DR	1.0	212.28
022-122-015-000	354	KENSINGTON DR	1.0	212.28
022-123-001-000	1235	VINEMAPLE WAY	1.0	212.28
022-123-002-000	1257	VINEMAPLE WAY	1.0	212.28
022-123-003-000	1256	FERNWOOD WAY	1.0	212.28
022-123-004-000	1234	FERNWOOD WAY	1.0	212.28
022-124-001-000	353	LILAC LN	1.0	212.28
022-124-002-000	359	LILAC LN	1.0	212.28
022-124-003-000	369	LILAC LN	1.0	212.28
022-124-004-000	375	LILAC LN	1.0	212.28
022-125-001-000	321	MANDARIN CT	1.0	212.28
022-125-002-000	343	KENSINGTON DR	1.0	212.28
022-125-003-000	351	KENSINGTON DR	1.0	212.28
022-125-004-000	355	KENSINGTON DR	1.0	212.28
022-125-005-000	367	KENSINGTON DR	1.0	212.28
022-125-006-000	373	KENSINGTON DR	1.0	212.28
022-125-007-000	327	MANDARIN CT	1.0	212.28
022-125-008-000	335	MANDARIN CT	1.0	212.28
022-125-009-000	343	MANDARIN CT	1.0	212.28
022-125-010-000	351	MANDARIN CT	1.0	212.28
022-125-011-000	355	MANDARIN CT	1.0	212.28
022-125-012-000	367	MANDARIN CT	1.0	212.28
022-125-013-000	373	MANDARIN CT	1.0	212.28

City of Livingston
LMD Zone 20 - Parkside Forecast
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
022-125-014-000	374	MANDARIN CT	1.0	212.28
022-125-015-000	368	MANDARIN CT	1.0	212.28
022-125-016-000	356	MANDARIN CT	1.0	212.28
022-125-017-000	352	MANDARIN CT	1.0	212.28
022-125-018-000	344	MANDARIN CT	1.0	212.28
022-125-019-000	336	MANDARIN CT	1.0	212.28
022-125-020-000	328	MANDARIN CT	1.0	212.28
022-125-021-000	320	MANDARIN CT	1.0	212.28
022-125-022-000	321	KENSINGTON DR	1.0	212.28
022-125-023-000	327	KENSINGTON DR	1.0	212.28
022-125-024-000	335	KENSINGTON DR	1.0	212.28
022-126-001-000	1444	PINECREST DR	1.0	212.28
022-171-001-000	1697	VIEIRA ST	1.0	212.28
022-171-002-000	1675	VIEIRA ST	1.0	212.28
022-171-003-000	1653	VIEIRA ST	1.0	212.28
022-171-004-000	1629	VIEIRA ST	1.0	212.28
022-171-005-000	1607	VIEIRA ST	1.0	212.28
022-171-006-000	1597	VIEIRA ST	1.0	212.28
022-171-007-000	1587	VIEIRA ST	1.0	212.28
022-171-008-000	1575	VIEIRA ST	1.0	212.28
022-171-009-000	1543	VIEIRA ST	1.0	212.28
022-171-010-000	1515	VIEIRA ST	1.0	212.28
022-171-011-000	307	LIVE OAK WAY	1.0	212.28
022-171-012-000	315	LIVE OAK WAY	1.0	212.28
022-171-013-000	323	LIVE OAK WAY	1.0	212.28
022-171-014-000	333	LIVE OAK WAY	1.0	212.28
022-171-015-000	339	LIVE OAK WAY	1.0	212.28
022-171-016-000	345	LIVE OAK WAY	1.0	212.28
022-171-017-000	353	LIVE OAK WAY	1.0	212.28
022-172-001-000	320	LIVE OAK WAY	1.0	212.28
022-172-002-000	328	LIVE OAK WAY	1.0	212.28
022-172-003-000	336	LIVE OAK WAY	1.0	212.28
022-172-004-000	344	LIVE OAK WAY	1.0	212.28
022-172-005-000	354	LIVE OAK WAY	1.0	212.28
022-172-006-000	353	REDWOOD WAY	1.0	212.28
022-172-007-000	343	REDWOOD WAY	1.0	212.28
022-172-008-000	335	REDWOOD WAY	1.0	212.28
022-172-009-000	327	REDWOOD WAY	1.0	212.28
022-172-010-000	321	REDWOOD WAY	1.0	212.28
022-173-001-000	1466	PINECREST DR	1.0	212.28
022-173-002-000	1488	PINECREST DR	1.0	212.28
022-173-003-000	1516	PINECREST DR	1.0	212.28
022-173-004-000	1544	PINECREST DR	1.0	212.28
022-173-005-000	1576	PINECREST DR	1.0	212.28
022-173-006-000	1588	PINECREST DR	1.0	212.28
022-173-007-000	1598	PINECREST DR	1.0	212.28
022-173-008-000	368	REDWOOD WAY	1.0	212.28
022-173-009-000	360	REDWOOD WAY	1.0	212.28
022-173-010-000	352	REDWOOD WAY	1.0	212.28
022-173-011-000			1.0	212.28
022-173-012-000	1656	SPRUCE CT	1.0	212.28
022-173-013-000	1697	SPRUCE CT	1.0	212.28
022-173-014-000	1675	SPRUCE CT	1.0	212.28
022-173-015-000	1653	SPRUCE CT	1.0	212.28
022-173-016-000	1629	SPRUCE CT	1.0	212.28
022-173-017-000	1607	SPRUCE CT	1.0	212.28
022-173-018-000	1608	VIEIRA ST	1.0	212.28
022-173-019-000	1632	VIEIRA ST	1.0	212.28
022-173-020-000	1656	VIEIRA ST	1.0	212.28
022-173-021-000	1676	VIEIRA ST	1.0	212.28
022-173-022-000	1698	VIEIRA ST	1.0	212.28

**City of Livingston
LMD Zone 20 - Parkside Forecast
Fiscal Year 2019/20 Preliminary Assessment Roll**

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
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Summary Fields	Value
Number of Parcels to be Levied	185
Total EDUs	185.00
Total Charges	\$39,271.80

City of Livingston
LMD Zone 21 - Sundance IV
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
143-311-001-000	2817	TRIGGER LN	1.0	276.04
143-311-002-000	2823	TRIGGER LN	1.0	276.04
143-311-003-000	2831	TRIGGER LN	1.0	276.04
143-311-004-000	2839	TRIGGER LN	1.0	276.04
143-311-005-000	2845	TRIGGER LN	1.0	276.04
143-311-006-000	2853	TRIGGER LN	1.0	276.04
143-311-007-000	2861	TRIGGER LN	1.0	276.04
143-311-008-000	2871	TRIGGER LN	1.0	276.04
143-311-009-000	2885	TRIGGER LN	1.0	276.04
143-311-010-000	2895	TRIGGER LN	1.0	276.04
143-312-001-000	425	EVANS LN	1.0	276.04
143-312-002-000	437	EVANS LN	1.0	276.04
143-312-003-000	449	EVANS LN	1.0	276.04
143-312-004-000	461	EVANS LN	1.0	276.04
143-312-005-000	473	EVANS LN	1.0	276.04
143-313-001-000	425	SUNDANCE ST	1.0	276.04
143-313-002-000	437	SUNDANCE ST	1.0	276.04
143-313-003-000	449	SUNDANCE ST	1.0	276.04
143-313-004-000	461	SUNDANCE ST	1.0	276.04
143-313-005-000	473	SUNDANCE ST	1.0	276.04
143-313-006-000	472	EVANS LN	1.0	276.04
143-313-007-000	460	EVANS LN	1.0	276.04
143-313-008-000	448	EVANS LN	1.0	276.04
143-313-009-000	436	EVANS LN	1.0	276.04
143-313-010-000	424	EVANS LN	1.0	276.04
143-314-001-000	425	ALDRICH AVE	1.0	276.04
143-314-002-000	437	ALDRICH AVE	1.0	276.04
143-314-003-000	449	ALDRICH AVE	1.0	276.04
143-314-004-000	461	ALDRICH AVE	1.0	276.04
143-314-005-000	473	ALDRICH AVE	1.0	276.04
143-314-006-000	472	SUNDANCE ST	1.0	276.04
143-314-007-000	460	SUNDANCE ST	1.0	276.04
143-314-008-000	448	SUNDANCE ST	1.0	276.04
143-314-009-000	436	SUNDANCE ST	1.0	276.04
143-314-010-000	424	SUNDANCE ST	1.0	276.04
143-315-001-000	2816	AUTRY LN	1.0	276.04
143-315-002-000	2822	AUTRY LN	1.0	276.04
143-315-003-000	2830	AUTRY LN	1.0	276.04
143-315-004-000	2838	AUTRY LN	1.0	276.04
143-315-005-000	2844	AUTRY LN	1.0	276.04
143-315-006-000	2852	AUTRY LN	1.0	276.04
143-315-007-000	2860	AUTRY LN	1.0	276.04
143-315-008-000	2870	AUTRY LN	1.0	276.04
143-315-009-000	2884	AUTRY LN	1.0	276.04
143-315-010-000	2894	AUTRY LN	1.0	276.04
143-316-001-000	2913	TRIGGER LN	1.0	276.04
143-316-002-000	2921	TRIGGER LN	1.0	276.04
143-316-003-000	2927	TRIGGER LN	1.0	276.04
143-316-004-000	2935	TRIGGER LN	1.0	276.04
143-316-005-000	2943	TRIGGER LN	1.0	276.04
143-316-006-000	2949	TRIGGER LN	1.0	276.04
143-316-007-000	2957	TRIGGER LN	1.0	276.04
143-316-008-000	2965	TRIGGER LN	1.0	276.04
143-316-009-000	2973	TRIGGER LN	1.0	276.04
143-316-010-000	2981	TRIGGER LN	1.0	276.04
143-316-011-000	2989	TRIGGER LN	1.0	276.04
143-316-012-000	2997	TRIGGER LN	1.0	276.04
143-316-013-000	412	ROGERS AVE	1.0	276.04
143-316-014-000	424	ROGERS AVE	1.0	276.04
143-316-015-000	436	ROGERS AVE	1.0	276.04
143-316-016-000	448	ROGERS AVE	1.0	276.04
143-316-017-000	460	ROGERS AVE	1.0	276.04

City of Livingston
LMD Zone 21 - Sundance IV
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
143-316-018-000	472	ROGERS AVE	1.0	276.04
143-316-019-000	480	ROGERS AVE	1.0	276.04
143-316-020-000	488	ROGERS AVE	1.0	276.04
143-316-021-000	496	ROGERS AVE	1.0	276.04
143-317-001-000	424	ALDRICH AVE	1.0	276.04
143-317-002-000	2924	TRIGGER LN	1.0	276.04
143-317-003-000	2930	TRIGGER LN	1.0	276.04
143-317-004-000	2938	TRIGGER LN	1.0	276.04
143-317-005-000	2946	TRIGGER LN	1.0	276.04
143-317-006-000	2952	TRIGGER LN	1.0	276.04
143-317-007-000	2960	TRIGGER LN	1.0	276.04
143-317-008-000	2968	TRIGGER LN	1.0	276.04
143-317-009-000	2978	TRIGGER LN	1.0	276.04
143-317-010-000	2979	SILVER LN	1.0	276.04
143-317-011-000	2969	SILVER LN	1.0	276.04
143-317-012-000	2961	SILVER LN	1.0	276.04
143-317-013-000	2953	SILVER LN	1.0	276.04
143-317-014-000	2947	SILVER LN	1.0	276.04
143-317-015-000	2939	SILVER LN	1.0	276.04
143-317-016-000	2931	SILVER LN	1.0	276.04
143-317-017-000	2925	SILVER LN	1.0	276.04
143-317-018-000	448	ALDRICH AVE	1.0	276.04
143-317-019-000	436	ALDRICH AVE	1.0	276.04
143-318-001-000	473	WYATT EARP CT	1.0	276.04
143-318-002-000	485	WYATT EARP CT	1.0	276.04
143-318-003-000	497	WYATT EARP CT	1.0	276.04
143-318-004-000	496	WYATT EARP CT	1.0	276.04
143-318-005-000	484	WYATT EARP CT	1.0	276.04
143-318-006-000	472	WYATT EARP CT	1.0	276.04
143-318-007-000	473	CISCO CT	1.0	276.04
143-318-008-000	485	CISCO CT	1.0	276.04
143-318-009-000	497	CISCO CT	1.0	276.04
143-318-010-000	496	CISCO CT	1.0	276.04
143-318-011-000	484	CISCO CT	1.0	276.04
143-318-012-000	472	CISCO CT	1.0	276.04

Summary Fields	Value
Number of Parcels to be Levied	97
Total EDUs	97.00
Total Charges	\$26,775.88

City of Livingston
LMD Zone 22 - Strawberry Fields
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
022-096-006-000	669	MONT CLIFF WAY	1.0	421.36
022-096-007-000	657	MONT CLIFF WAY	1.0	421.36
022-097-001-000	650	MONT CLIFF WAY	1.0	421.36
022-097-002-000	660	MONT CLIFF WAY	1.0	421.36
022-097-003-000	670	MONT CLIFF WAY	1.0	421.36
022-097-004-000	684	MONT CLIFF WAY	1.0	421.36

Summary Fields	Value
Number of Parcels to be Levied	6
Total EDUs	6.00
Total Charges	\$2,528.16

City of Livingston
LMD Zone 23 - La Tierra
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
022-064-001-000	253	MADRID WAY	1.0	672.20
022-064-002-000	247	MADRID WAY	1.0	672.20
022-064-003-000	241	MADRID WAY	1.0	672.20
022-064-004-000	235	MADRID WAY	1.0	672.20
022-064-005-000	229	MADRID WAY	1.0	672.20
022-064-006-000	915	TALARA DR	1.0	672.20
022-064-007-000	931	TALARA DR	1.0	672.20
022-064-008-000	947	TALARA DR	1.0	672.20
022-064-009-000	963	TALARA DR	1.0	672.20
022-064-010-000	979	TALARA DR	1.0	672.20
022-064-011-000	995	TALARA DR	1.0	672.20
022-064-012-000	1013	TALARA DR	1.0	672.20
022-064-013-000	1031	TALARA DR	1.0	672.20
022-064-014-000	1049	TALARA DR	1.0	672.20
022-064-015-000	1067	TALARA DR	1.0	672.20
022-065-001-000	232	MADRID WAY	1.0	672.20
022-065-002-000	240	MADRID WAY	1.0	672.20
022-065-003-000	246	MADRID WAY	1.0	672.20
022-065-004-000	252	MADRID WAY	1.0	672.20
022-065-005-000	253	PARADISE DR	1.0	672.20
022-065-006-000	247	PARADISE DR	1.0	672.20
022-065-007-000	241	PARADISE DR	1.0	672.20
022-065-008-000	235	PARADISE DR	1.0	672.20
022-066-001-000	232	PARADISE DR	1.0	672.20
022-066-002-000	240	PARADISE DR	1.0	672.20
022-066-003-000	246	PARADISE DR	1.0	672.20
022-066-004-000	252	PARADISE DR	1.0	672.20
022-066-005-000	253	MERIDA WAY	1.0	672.20
022-066-006-000	247	MERIDA WAY	1.0	672.20
022-066-007-000	241	MERIDA WAY	1.0	672.20
022-066-008-000	235	MERIDA WAY	1.0	672.20
022-067-001-000	916	BARCELONA DR	1.0	672.20
022-067-002-000	932	BARCELONA DR	1.0	672.20
022-067-003-000	948	BARCELONA DR	1.0	672.20
022-067-004-000	964	BARCELONA DR	1.0	672.20
022-067-005-000	980	BARCELONA DR	1.0	672.20
022-067-006-000	994	BARCELONA DR	1.0	672.20
022-068-001-000	1020	BARCELONA DR	1.0	672.20
022-068-002-000	1040	BARCELONA DR	1.0	672.20
022-068-003-000	1060	BARCELONA DR	1.0	672.20
022-111-007-000	1256	BARCELONA DR	1.0	672.20
022-111-008-000	1234	BARCELONA DR	1.0	672.20
022-111-009-000	1208	BARCELONA DR	1.0	672.20
022-111-010-000	1184	BARCELONA DR	1.0	672.20
022-111-011-000	1164	BARCELONA DR	1.0	672.20
022-111-012-000	1144	BARCELONA DR	1.0	672.20
022-111-013-000	1124	BARCELONA DR	1.0	672.20
022-111-014-000	1104	BARCELONA DR	1.0	672.20
022-111-015-000	1080	BARCELONA DR	1.0	672.20
022-115-001-000	1085	TALARA DR	1.0	672.20
022-115-002-000	1103	TALARA DR	1.0	672.20
022-115-003-000	1125	TALARA DR	1.0	672.20
022-115-004-000	1133	TALARA DR	1.0	672.20
022-115-005-000	1147	TALARA DR	1.0	672.20
022-115-006-000	1169	TALARA DR	1.0	672.20
022-115-007-000	1181	TALARA DR	1.0	672.20
022-115-008-000	1191	TALARA DR	1.0	672.20
022-115-009-000	1192	TALARA DR	1.0	672.20
022-115-010-000	1180	TALARA DR	1.0	672.20
022-115-011-000	1168	TALARA DR	1.0	672.20
022-115-012-000	1144	TALARA DR	1.0	672.20
022-115-013-000	1130	TALARA DR	1.0	672.20

City of Livingston
LMD Zone 23 - La Tierra
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
022-115-014-000	232	MERIDA WAY	1.0	672.20
022-115-015-000	240	MERIDA WAY	1.0	672.20
022-115-016-000	246	MERIDA WAY	1.0	672.20
022-115-017-000	252	MERIDA WAY	1.0	672.20
022-115-018-000	1139	BARCELONA DR	1.0	672.20
022-115-019-000	1159	BARCELONA DR	1.0	672.20
022-115-020-000	1179	BARCELONA DR	1.0	672.20
022-115-021-000	1199	BARCELONA DR	1.0	672.20
022-115-022-000	1215	BARCELONA DR	1.0	672.20
022-115-023-000	253	LILAC LN	1.0	672.20
022-115-024-000	247	LILAC LN	1.0	672.20
022-115-025-000	241	LILAC LN	1.0	672.20
022-115-026-000	235	LILAC LN	1.0	672.20
022-115-027-000	225	LILAC LN	1.0	672.20
022-115-028-000	215	LILAC LN	1.0	672.20

Summary Fields	Value
Number of Parcels to be Levied	77
Total EDUs	77.00
Total Charges	\$51,759.40

City of Livingston
LMD Zone 24 - Somerset
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
047-581-001-000	1702	SUN VALLEY AVE	1.0	464.94
047-581-002-000	1714	SUN VALLEY AVE	1.0	464.94
047-581-003-000	1728	SUN VALLEY AVE	1.0	464.94
047-581-004-000	1742	SUN VALLEY AVE	1.0	464.94
047-581-005-000	1756	SUN VALLEY AVE	1.0	464.94
047-582-001-000	1701	SUN VALLEY AVE	1.0	464.94
047-582-002-000	1711	SUN VALLEY AVE	1.0	464.94
047-582-003-000	1723	SUN VALLEY AVE	1.0	464.94
047-582-004-000	1735	SUN VALLEY AVE	1.0	464.94
047-582-005-000	1745	SUN VALLEY AVE	1.0	464.94
047-582-006-000	1755	SUN VALLEY AVE	1.0	464.94
047-582-007-000	1767	SUN VALLEY AVE	1.0	464.94
047-582-008-000	1777	SUN VALLEY AVE	1.0	464.94
047-582-009-000	961	SPRING BROOK DR	1.0	464.94
047-582-010-000	951	SPRING BROOK DR	1.0	464.94
047-582-011-000	941	SPRING BROOK DR	1.0	464.94
047-582-012-000	931	SPRINGBROOK DR	1.0	464.94
047-582-013-000	921	SPRING BROOK DR	1.0	464.94
047-582-014-000	909	SPRING BROOK DR	1.0	464.94
047-582-015-000	1789	WELLS AVE	1.0	464.94
047-582-016-000	1801	WELLS AVE	1.0	464.94
047-582-017-000	1811	WELLS AVE	1.0	464.94
047-582-018-000	1821	WELLS AVE	1.0	464.94
047-582-019-000	1831	WELLS AVE	1.0	464.94
047-582-020-000	1841	WELLS AVE	1.0	464.94
047-582-021-000	1851	WELLS AVE	1.0	464.94
047-582-022-000	1861	WELLS AVE	1.0	464.94
047-582-023-000	1871	WELLS AVE	1.0	464.94
047-582-024-000	1883	WELLS AVE	1.0	464.94
047-582-026-000	1905	SUN VALLEY AVE	1.0	464.94
047-582-027-000	1915	SUN VALLEY AVE	1.0	464.94
047-582-028-000	1929	SUN VALLEY AVE	1.0	464.94
047-582-029-000	978	NEWCASTLE DR	1.0	464.94
047-582-030-000	988	NEWCASTLE DR	1.0	464.94
047-582-031-000	998	NEWCASTLE DR	1.0	464.94
047-583-001-000	1804	SUN VALLEY AVE	1.0	464.94
047-583-002-000	1820	SUN VALLEY AVE	1.0	464.94
047-583-003-000	1836	SUN VALLEY AVE	1.0	464.94
047-584-001-000	978	SPRINGBROOK DR	1.0	464.94
047-584-002-000	977	GOLDEN LEAF DR	1.0	464.94
047-584-003-000	967	GOLDEN LEAF DR	1.0	464.94
047-584-004-000	957	GOLDEN LEAF DR	1.0	464.94
047-584-005-000	945	GOLDEN LEAF DR	1.0	464.94
047-584-006-000	935	GOLDEN LEAF DR	1.0	464.94
047-584-007-000	923	GOLDEN LEAF DR	1.0	464.94
047-584-008-000	924	SPRING BROOK DR	1.0	464.94
047-584-009-000	936	SPRING BROOK DR	1.0	464.94
047-584-010-000	946	SPRINGBROOK DR	1.0	464.94
047-584-011-000	958	SPRING BROOK DR	1.0	464.94
047-584-012-000	968	SPRINGBROOK DR	1.0	464.94
047-585-001-000	1848	SUN VALLEY AVE	1.0	464.94
047-585-002-000	1860	SUN VALLEY AVE	1.0	464.94
047-585-003-000	1870	SUN VALLEY AVE	1.0	464.94
047-585-004-000	1884	SUN VALLEY AVE	1.0	464.94
047-585-005-000	1896	SUN VALLEY AVE	1.0	464.94
047-585-006-000	1910	SUN VALLEY AVE	1.0	464.94
047-586-001-000	978	GOLDEN LEAF DR	1.0	464.94
047-586-002-000	977	PARK VIEW DR	1.0	464.94
047-586-003-000	967	PARK VIEW DR	1.0	464.94
047-586-004-000	957	PARK VIEW DR	1.0	464.94
047-586-005-000	945	PARK VIEW DR	1.0	464.94
047-586-006-000	935	PARK VIEW DR	1.0	464.94

City of Livingston
LMD Zone 24 - Somerset
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
047-586-007-000	923	PARK VIEW DR	1.0	464.94
047-586-008-000	924	GOLDEN LEAF DR	1.0	464.94
047-586-009-000	936	GOLDEN LEAF DR	1.0	464.94
047-586-010-000	946	GOLDEN LEAF DR	1.0	464.94
047-586-011-000	958	GOLDEN LEAF DR	1.0	464.94
047-586-012-000	968	GOLDEN LEAF DR	1.0	464.94
047-591-001-000	1001	GOLDEN LEAF DR	1.0	464.94
047-591-002-000	1013	GOLDEN LEAF DR	1.0	464.94
047-591-003-000	1025	GOLDEN LEAF DR	1.0	464.94
047-591-004-000	1035	GOLDEN LEAF DR	1.0	464.94
047-591-005-000	1047	GOLDEN LEAF DR	1.0	464.94
047-591-006-000	1057	GOLDEN LEAF DR	1.0	464.94
047-591-007-000	1069	GOLDEN LEAF DR	1.0	464.94
047-591-008-000	1079	GOLDEN LEAF DR	1.0	464.94
047-591-009-000	1098	GOLDEN LEAF DR	1.0	464.94
047-591-010-000	1099	GOLDEN LEAF DR	1.0	464.94
047-591-011-000	1111	GOLDEN LEAF DR	1.0	464.94
047-591-012-000	1123	GOLDEN LEAF DR	1.0	464.94
047-591-013-000	1135	GOLDEN LEAF DR	1.0	464.94
047-591-014-000	1838	ST IVES AVE	1.0	464.94
047-591-015-000	1848	ST IVES AVE	1.0	464.94
047-591-016-000	1860	ST IVES AVE	1.0	464.94
047-591-017-000	1872	ST IVES AVE	1.0	464.94
047-591-018-000	1884	ST IVES AVE	1.0	464.94
047-591-019-000	1896	ST IVES AVE	1.0	464.94
047-591-020-000	1910	ST IVES AVE	1.0	464.94
047-592-001-000	1847	SOUTHPORT AVE	1.0	464.94
047-592-002-000	1859	SOUTHPORT AVE	1.0	464.94
047-592-003-000	1871	SOUTHPORT AVE	1.0	464.94
047-592-004-000	1883	SOUTHPORT AVE	1.0	464.94
047-592-005-000	1895	SOUTHPORT AVE	1.0	464.94
047-592-006-000	1909	SOUTHPORT AVE	1.0	464.94
047-593-001-000	1848	SOUTHPORT AVE	1.0	464.94
047-593-002-000	1847	YORK AVE	1.0	464.94
047-593-003-000	1859	YORK AVE	1.0	464.94
047-593-004-000	1871	YORK AVE	1.0	464.94
047-593-005-000	1883	YORK AVE	1.0	464.94
047-593-006-000	1895	YORK AVE	1.0	464.94
047-593-007-000	1909	YORK AVE	1.0	464.94
047-593-008-000	1910	SOUTHPORT AVE	1.0	464.94
047-593-009-000	1896	SOUTHPORT AVE	1.0	464.94
047-593-010-000	1884	SOUTHPORT AVE	1.0	464.94
047-593-011-000	1870	SOUTHPORT AVE	1.0	464.94
047-593-012-000	1860	SOUTHPORT AVE	1.0	464.94
047-594-001-000	1848	YORK AVE	1.0	464.94
047-594-002-000	1847	ST IVES AVE	1.0	464.94
047-594-003-000	1859	ST IVES AVE	1.0	464.94
047-594-004-000	1871	ST IVES AVE	1.0	464.94
047-594-005-000	1883	ST IVES AVE	1.0	464.94
047-594-006-000	1895	ST IVES AVE	1.0	464.94
047-594-007-000	1909	ST IVES AVE	1.0	464.94
047-594-008-000	1910	YORK AVE	1.0	464.94
047-594-009-000	1896	YORK AVE	1.0	464.94
047-594-010-000	1884	YORK AVE	1.0	464.94
047-594-011-000	1870	YORK AVE	1.0	464.94
047-594-012-000	1860	YORK AVE	1.0	464.94
047-596-001-000	1008	NEWCASTLE DR	1.0	464.94
047-596-002-000	1014	NEWCASTLE DR	1.0	464.94
047-596-003-000	1024	NEWCASTLE DR	1.0	464.94
047-596-004-000	1034	NEWCASTLE DR	1.0	464.94
047-596-005-000	1042	NEWCASTLE DR	1.0	464.94
047-596-006-000	1055	NEWCASTLE DR	1.0	464.94

City of Livingston
LMD Zone 24 - Somerset
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE (\$)
047-596-007-000	1065	NEWCASTLE DR	1.0	464.94
047-596-008-000	1074	NEWCASTLE DR	1.0	464.94
047-596-009-000	1082	NEWCASTLE DR	1.0	464.94
047-596-010-000	1092	NEWCASTLE DR	1.0	464.94
047-596-011-000	1104	NEWCASTLE DR	1.0	464.94
047-596-012-000	1116	NEWCASTLE DR	1.0	464.94
047-596-013-000	1122	NEWCASTLE DR	1.0	464.94
047-596-014-000	1134	NEWCASTLE DR	1.0	464.94
047-596-015-000	1146	NEWCASTLE DR	1.0	464.94

Summary Fields	Value
Number of Parcels to be Levied	133
Total EDUs	133.00
Total Charges	\$61,837.02

STAFF REPORT

AGENDA ITEM: **Initiating Proceedings and Ordering the Preliminary Engineer’s Report for the Annual Levy of Assessments for Fiscal Year 2019/2020 for the Livingston Benefit Assessment Districts, Approving the Engineer’s Report, Declaring the City’s Intention to Levy Annual Assessments Within Such Districts and Appointing a Time and Place for a Public Hearing**

MEETING DATE: **June 4, 2019**

PREPARED BY: **Willdan Financial Services**

REVIEWED BY: **Jose Antonio Ramirez, City Manager**

RECOMMENDATION:

Approve Resolution No. 2019- _____, Initiating Proceedings and Ordering the Preliminary Engineer’s Report for the Annual Levy of Assessments for Fiscal Year 2019/2020 for the Livingston Benefit Assessment Districts, Approving the Engineer’s Report, Declaring the City’s Intention to Levy Annual Assessments Within Such Districts and Appointing a Time and Place for a Public Hearing.

BACKGROUND:

The City of Livingston annually levies and collects special assessments in the City’s Benefit Assessment Districts to offset the cost of providing the annual maintenance of drainage improvement within specific areas of the City. There are currently eighteen (18) individual districts within the City as follows:

Country Glen	Sundance (Country Villas 1, 2, and 3)
Country Roads	Kensington Park South (Vineyard Estates)
Vinewood Estates	Monte Cristo Estates
Vintage West (Area A & B)	Monte Cristo Estates II (Briarwood)
	Vinewood Estates II (Briarwood)
	Bridgeport Village
	Davante Villas
	Country Lane I (Liberty Square)
	Country Lane II (Country Lane, Kishi)
	Sundance IV (Country Villas IV)
	Strawberry Fields (Mcroy Wilbur)
	Parkside-Forecast
	La Tierra (Rancho Estrada)
	Somerset (Sun Valley Estates)

DISCUSSION:

This resolution initiates proceedings for the annual levy of annual assessments, declares the City’s intention to levy annual assessments, and preliminarily approves the Engineer’s Report for the Districts.

Since no cost of living adjustments are allowed in four Districts, the proposed FY 2019/2020 assessments will remain the unchanged from the previous year's assessment rates for Country Glen, Country Roads, Vintage West (Area A & B) and Vinewood Estates as the assessment rates in these Districts may not be increased over last year's rates until approved through a ballot of the property owners.

The assessments for the Districts known as Bridgeport, Country Lane I (Liberty Square), Country Lane II (Country Lane, Kishi), Davante Villas, Sundance (Country Villas 1, 2, and 3), Kensington Park South (Vineyard Estates), La Tierra (Rancho Estrada), Parkside-Forecast, Monte Cristo, Monte Cristo II (Briarwood), Somerset (Sun Valley Estates), Strawberry Fields, Sundance IV (Country Villas IV), and Vinewood Estates II (Briarwood) were approved by the property owners pursuant to a mailed ballot election conducted in accordance with Article XIII D of the California Constitution.

In each fiscal year following these balloted elections, the City Council may impose the assessments in these Districts at a rate or amount that is less than or equal to the amount authorized for the previous fiscal year after being increased by the approved annual escalation factor, without conducting another mailed ballot election. The approved annual escalation factor for these Districts is based upon the Consumer Price Index, All Urban Consumers, for the San Francisco-Oakland-San Jose Area ("CPI"). The fiscal year 2019/2020 assessment rates within these Districts are proposed to be increased over last year's rates by 3.865%, which is the percentage increase in the CPI, All Urban Consumers, for the San Francisco-Oakland-San Jose Area Annual 2018 calculated from Annual 2017.

Pursuant to Proposition 218, The Right to Vote on Taxes Act, new or increased assessments must be approved by a vote of the owners of the property to be assessed. Since the assessment rates are not to be increased by any amount other than the approved CPI, there will be no need for a property owner vote.

Following actions will include a public hearing to be set for June 18, 2019. At that time, the Council will be asked to adopt a resolution confirming assessments and authorizing staff to place the assessments on the annual tax rolls.

FISCAL IMPACT:

All funding of costs applicable to the benefiting District parcels are borne by the property owners within the above referenced Districts, except as noted below. The following zone shows a projected negative beginning fund balance and/or a projected deficit for fiscal year 2019/2020.

BAD District	Projected Beg Reserve Balance (7-1-19)	Projected General Fund (Contribution) / Repayment (FY 2019-20)	Total Projected Deficit (6-30-20)
Kensington Park South (Vineyard Estates)	(\$2,132)	(\$489)	(\$2,621)
Davante Villas	(\$22,737)	(\$7,511)	(\$30,248)
Strawberry Fields	\$75	(\$571)	(\$496)
Sundance IV (Country Villas IV)	(\$23,247)	(\$1,395)	(\$24,642)
Parkside Forecast	(\$21,050)	(\$4,075)	(\$25,125)
Country Lane I (Liberty Square)	(\$2,667)	(\$758)	(\$3,425)
Country Lane II (Country Lane, Kishi)	(\$7,888)	(\$2,633)	(\$10,521)
La Tierra (Rancho Estrada)	(\$24,323)	(\$1,477)	(\$25,800)
Somerset (Sun Valley Estates)	(\$44,283)	(\$2,998)	(\$47,281)
Total	(\$148,252)	(\$21,906)	(\$170,158)

ATTACHMENTS:

1. Resolution 2019-_____
2. Engineer's Report and Budget

RESOLUTION NO. 2019-_____

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LIVINGSTON
INITIATING PROCEEDINGS AND ORDERING THE PRELIMINARY ENGINEER'S
REPORT FOR THE ANNUAL LEVY OF ASSESSMENTS FOR FISCAL YEAR
2019/2020 FOR THE LIVINGSTON BENEFIT ASSESSMENT DISTRICTS,
APPROVING THE ENGINEER'S REPORT, DECLARING THE CITY'S INTENTION
TO LEVY ANNUAL ASSESSMENTS WITHIN SUCH DISTRICTS AND APPOINTING
A TIME AND PLACE FOR A PUBLIC HEARING**

WHEREAS, the City Council of the City of Livingston, pursuant to the provisions of the Benefit Assessment Act of 1982, Chapter 6.4, Article 4, Section 54703 et seq of the Government Code of the State of California (hereinafter referred to as the "Act") to pay for the costs and expenses of operating, maintaining, monitoring and servicing public drainage improvements and appurtenant facilities located within public places within the boundaries of the Livingston Benefit Assessment Districts (the "Districts") for fiscal year 2019/2020, for the purposes provided thereof in the Act; and

WHEREAS, the public interest and convenience require the City to initiate annual proceedings for the levy of assessments within the Districts for fiscal year 2019/2020, for the purposes provided thereof in the Act; and

WHEREAS, as a condition of its original approval for development within the City of Livingston (hereinafter referred to as the "City"), the City has required that the developers install drainage improvements adjacent to their Projects, and that the drainage and related improvements be installed to a standard acceptable to the City, and that developers provide a means satisfactory to the City for assuring the continued maintenance, operation, monitoring and servicing of the Improvement Areas and improvements thereto; and

WHEREAS, the improvements to be installed, constructed or maintained within the Districts may include installation, construction, monitoring or maintenance of any authorized improvements under the Act, including, but not limited to any drainage facilities or improvements which are necessary or convenient for the maintenance or servicing thereof; and

WHEREAS, the individual property owners of the developments are responsible for providing funding towards the costs of the continued maintenance, operation, and servicing of the Improvement Areas and improvements thereto; and

WHEREAS, the proposed assessment rates for parcels within the original 4 Districts, together with the 14 other Districts which may be increased annually by the approved CPI rate increase, provide funding for maintenance and operation of the current facilities; and

WHEREAS, in order to maintain the facilities at a standard acceptable to the City the assessments within the Districts will need to be levied for fiscal year 2019/2020; and

WHEREAS, Proposition 218, the Right to Vote On Taxes Act does hereby require that if the assessment rate is to be increased, a notice of the proposed assessment along with a ballot shall be mailed to all owners of identified parcels within the District, and that the agency shall conduct a public hearing not less than 45 days after the mailing of said notice; and

WHEREAS, all assessments subject to annual rate increases, such annual rate increases were previously approved through a successful balloting of the property owners and these assessment increases require no further balloting; and

WHEREAS, notices and Assessment Ballots are not required if assessments are not considered increased; and

WHEREAS, Willdan Financial Services has prepared an Engineer’s Report (the “Report”) which references the location of each Districts’ boundaries which are benefited by the improvements and the amounts to be assessed against each of the parcels within each; and

WHEREAS, the Engineer’s Report, diagrams and assessments have been filed with the City Clerk and are open to public inspection, and may be referred to for all details regarding the improvements, the boundary of the Districts, the assessments, total costs, and description of the parcels to be assessed; and

WHEREAS, this City Council has examined and considered the Engineer’s Report, references to the diagrams, the assessments, and the proceedings prior thereto.

NOW, THEREFORE, BE IT RESOLVED, that the Livingston City Council hereby adopts Resolution 2019-___, takes the following actions with respect to the Livingston Benefit Assessment Districts:

Section 1. That the above recitals are true and correct.

Section 2. That the City hereby proposes an annual levy of assessments for the Benefit Assessment Districts, including the following individual Districts:

- | | |
|--------------------------|--|
| Country Glen | Sundance (Country Villas 1, 2, and 3) |
| Country Roads | Kensington Park South (Vineyard Estates) |
| Vinewood Estates | Monte Cristo Estates |
| Vintage West Areas A & B | Monte Cristo Estates II (Briarwood) |
| | Vinewood Estates II (Briarwood) |
| | Bridgeport Village |
| | Davante Villas |
| | Country Lane I (Liberty Square) |

- Country Lane II (Country Lane, Kishi)
- Sundance IV (Country Villas IV, Dunmore)
- Strawberry Fields (Mcroy Wilbur)
- Parkside-Forecast
- La Tierra (Rancho Estrada)
- Somerset (Sun Valley Estates)

Thereon to provide for the following work:

Installation, construction, servicing, operation, monitoring and/or maintenance of any authorized improvements under the Act, including, but not limited to drainage improvements and any facilities which are appurtenant to any of the aforementioned or which are necessary or convenient for the maintenance or servicing thereof including streets.

Section 3. The City Council hereby (1) finds that the public interests and convenience requires and (2) declares its intention to order the approval of the levy and collection of assessments against the assessable lots and parcels of land within such Districts for the fiscal year commencing July 1, 2019 and ending June 30, 2020 to pay the costs and expenses of the improvements described herein. For the Bridgeport Village, Country Lane I (Liberty Square), Country Lane II (Country lane, Kishi), Somerset (Sun Valley Estates), Sundance (Country Villas 1, 2 and 3), Davante Villas, Kensington Park South (Vineyard Estates), La Tierra (Rancho Estrada), Parkside - Forecast, Monte Cristo Estates, Monte Cristo Estates II (Briarwood), Strawberry Fields (Mcroy Wilbur), Sundance IV (Country Villas IV, Dunmore Homes), and Vinewood Estates II (Briarwood) Districts, the assessments proposed by this resolution were approved by the property owners pursuant to a mailed ballot election conducted in accordance with Article XIII D of the California Constitution. For these Zones, in fiscal years subsequent to these approved balloted elections, the City Council may thereafter impose the assessment at any rate or amount that is less than or equal to the amount authorized for the previous fiscal year together with an annual increase equal to the percentage increase of the Consumer Price Index (CPI) of "All Urban Consumers" for the San Francisco-Oakland-San Jose Area (CPI), as determined by the United States Department of Labor without conducting another mailed ballot election. Each year, the Engineer shall compute the percentage of difference between the Annual CPI for the current year and the Annual CPI for the previous year, and shall then adjust the existing assessment by an amount up to, but not to exceed such percentage increase for the following fiscal year. Should the Bureau of Labor Statistics revise such index or discontinue the preparation of such index, the Engineer shall use the revised index or a comparable system as approved by the City Council for determining fluctuations in the cost of living.

Section 4. The City Manager is directed to cause the preparation of a Written Report in accordance with Article 4 of the Act for the District, and upon completion, to file said report with the City Clerk, who shall then submit the same to the City Council for its consideration.

Section 5. In accordance with the City Council's order, the City's Engineer has filed with the City Clerk the Engineer's Report required by Article 4 of the Act and entitled "Annual

Engineer’s Report, Benefit Assessment Districts” (the “Report”). All interested persons are referred to the Report for a full and detailed description of the improvements, the proposed annual assessments upon assessable lots and parcels of land within the Districts.

Section 6. The Report has been presented to the City Council and the City Council has duly considered each and every part of the Report.

Section 7. Diagrams for the Districts referencing the areas to be benefited and the amount of the proposed assessment for each parcel assessment (Section 54716 of the Act) assessed for the improvements have been provided within in Appendix “A” and Appendix “B” of the Report. The diagrams, assessments, and improvement plans have been filed with the City Clerk.

Section 8. The diagrams referenced in the Engineer’s Report, which indicate by a boundary line the extent of the Districts, is hereby declared to describe the boundaries of the Districts and shall govern for all details as to the extent and location of said Districts.

Section 9. This City Council is satisfied with the correctness of the diagrams and assessments, including the proceedings and all matters relating thereto.

Section 10. The public interest and convenience require and it is the intention of the City Council of the City to levy and collect additional assessments within the Districts for the fiscal year 2019/2020.

Section 11. The City Council hereby finds that each and every part of the Report is sufficient and the City Council hereby preliminarily approves, passes on and adopts the Report as submitted to the City Council and filed with the City Clerk. The preliminary report shall stand as the Report for the purposes of all subsequent proceedings pursuant to this Resolution of Intention.

Section 12. The City Council does hereby reference the Report, which indicates the amount of the proposed assessments, the Districts’ boundaries, detailed description of improvements, and the method of assessment. The Report is on file in the office of the City Clerk and reference to the Report is hereby made for all particulars.

Section 13. That notice is hereby given that on the 18th day of June 2019, at the hour 7 p.m. or as soon thereafter as possible, in the City Council Chambers at 1416 “C” Street, in the City of Livingston, the City will hold a public hearing as to the proposed assessments of each District.

Section 14. The City Clerk shall certify to the adoption of this Resolution by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Gurpal Samra, Mayor
of the City of Livingston

ATTEST:

I, hereby certify that the foregoing Resolution was regularly introduced, passed, and adopted at a regular meeting of the City Council of the City of Livingston, this 4th day of June 2019.

Antonio Silva, City Clerk
of the City of Livingston



CITY OF LIVINGSTON
ANNUAL ENGINEER'S REPORT
BENEFIT ASSESSMENT DISTRICTS

FISCAL YEAR 2019/2020

INTENT MEETING: June 4, 2019
PUBLIC HEARING: June 18, 2019

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AFFIDAVIT FOR THE ENGINEER'S ANNUAL LEVY REPORT

Establishment of Annual Assessments for the:

BENEFIT ASSESSMENT DISTRICTS

City of Livingston

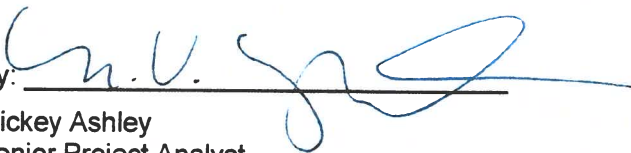
Merced County, State of California

This Report describes each BENEFIT ASSESSMENT DISTRICT including the improvements, budgets, parcels and assessments to be levied for fiscal year 2019/2020, as they existed at the time of the passage of the Resolution of Intention. Reference is hereby made to the Merced County Assessor's maps for a detailed description of the lines and dimensions of parcels within each district.

The undersigned respectfully submits the enclosed Report as directed by the City Council.

Dated this 24th day of MAY, 2019

Willdan Financial Services
Assessment Engineer
On Behalf of the City of Livingston

By: 

Mickey Ashley
Senior Project Analyst
District Administration Services

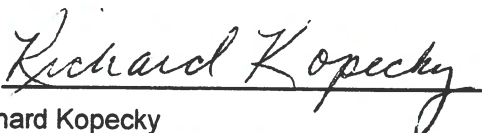
By: 
Richard Kopecky
R. C. E. # 16742



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I. OVERVIEW

A. Introduction

The City of Livingston (“City”) annually levies and collects special assessments in order to maintain the improvements within eighteen (18) existing Benefit Assessment Districts (“Districts”) within the City.

This Annual Engineer’s Report (“Report”) describes the assessments per parcel for the Districts for fiscal year 2019/2020. The assessments are based on the historical and estimated costs to maintain the improvements that provide a direct and special benefit to properties within each District. These Districts, by the use of special benefit assessments, will provide funding for the maintenance of public drainage improvements. These improvements are made in accordance with the *Benefit Assessment Act of 1982, Chapter 6.4, Division 2, Title 5 of the Government Code of the State of California commencing with Section 54703* (hereafter referred to as the “Code”).

The word “parcel,” for the purposes of this Report, refers to an individual property assigned its own assessment parcel number by the Merced County Assessor’s Office. The Merced County Auditor/Controller uses assessment parcel numbers and specific fund numbers, to identify on the tax roll, properties assessed for special district benefit assessments.

Following consideration of public comments and written protests at a noticed public hearing, and review of the Report, the City Council may order amendments to the Report or confirm the Report as submitted. Following final approval of the Report, and confirmation of the assessments, the Council may order the levy and collection of assessments for fiscal year 2019/2020 pursuant to the Code. In such case, the assessment information will be submitted to the County Auditor/Controller, and included on the property tax roll for each benefiting parcel for fiscal year 2019/2020.

B. Compliance With Current Legislation

On November 5, 1996, California voters approved Proposition 218. This Constitutional amendment was the latest in a series of initiatives altering the revenue-raising discretion of California local agencies. The provisions of the Proposition are set forth in California Constitutional Articles XIIC and XIID.

As relevant to the District, California Constitution Article XIII D, Sections 1 through 5, provide for additional substantive and procedural requirements, as outlined below.

In Proposition 218, “Assessments” are defined as:

“... any levy or charge upon real property by an agency for a special benefit conferred upon the real property. ‘Assessment’ includes, but is not limited to, ‘special assessment,’ ‘benefit assessment,’ ‘maintenance assessment’ and ‘special assessment tax.’” Article XIII D Section 2b

Although District assessments are generally collected on the property tax rolls, District “assessments” are not “taxes.” Assessments are distinct from the regular one percent (1%) property tax and property tax debt overrides in that assessment rates are not levied on an ad valorem basis. The levies contained in this report are considered assessments under Proposition 218.

Proposition 218 requires that beginning July 1, 1997, all new and existing assessments (with some exceptions) conform to new substantive and procedural requirements. However, certain assessments are exempted from the conformity requirement until they are increased. Generally, these exemptions include:

- Assessments used exclusively to fund sidewalks, streets, sewers, water, flood control, drainage systems, or vector control.
- Assessments used exclusively for bond repayments, the cessation of which would violate the Contract Impairment Clause of the U.S. Constitution.
- Assessments previously approved by a majority of voters.
- Assessments approved by the persons owning all of the property at the time the assessment was initially imposed.

The Districts formed prior to the passage of Proposition 218, designated as Country Glen, Country Roads, Vinewood Estates, and Vintage West A & B maintain improvements that are exempt from the requirements. However, any new or increased assessments, if proposed, will be subject to the substantive and procedural requirements of Proposition 218.

The Districts Sundance (Country Villas 1,2 and 3), Kensington Park South (Vineyard Estates), Monte Cristo, Monte Cristo II (Briarwood), Vinewood Estates II (Briarwood), Bridgeport Village and Davante Villas, Country Lane I (Liberty Square), Country Lane II (Country Lane, Kishi), Parkside-Forecast, Sundance IV (Country Villas IV), Strawberry Fields, La Tierra (Rancho Estrada) and Somerset (Sun Valley Estates) were formed after the passage of Proposition 218. As such, these Districts were formed in accordance with the substantive and procedural requirements and property owners were balloted for the assessments. The assessments for these Districts included an annual Consumer Price Index inflator.

C. District Boundaries

Country Glen This District is generally located south of “F” Street, and west of Sun Crest Avenue, in the southwest corner of the City. Parcels within the District are located in the Country Glen Subdivision.

Country Roads This District is generally located at the northeast corner of Dwight Way and Walnut Avenue. All parcels within the District are located within the Country Roads Subdivision.

Vintage West (Area A & B) This District is located north of Peach Avenue, through and including Burgundy and Gamay Way, west of Hammatt Avenue, through and including Amaretto Way. All parcels are within the Vintage West Subdivision. Area A parcels are generally west of Chianti Way while Area B parcels are generally east of Chardonnay Way.

Monte Cristo This District is located on Peach Avenue west of Prusso Street.

Monte Cristo II (Briarwood) This District is located on the northeast corner of Peach Avenue and Winton Parkway.

Vinewood Estates This District is generally located north of “F” Street, south of “B” Street, and west of Selma Herndon School. All parcels are within the Vinewood Estates Subdivision.

Vinewood Estates II (Briarwood) This District is generally located south of “B” street and west of Selma Herndon School. All parcels are northwest of the Vinewood Estates Subdivision.

Kensington Park South (Vineyard Estates) This District is located on Dwight Avenue north of Peach Avenue.

Bridgeport Village This District is located south of F Street and east of Winton Parkway.

Davante Villas This District is located south of F Street and east of Arena Canal.

Strawberry Fields This District is located on “I” Street and west of the Arena Canal.

Sundance (Country Villas 1, 2, and 3) This District is located southeast of Walnut Avenue and Dwight Way.

Sundance IV (Country Villas IV) This District is located east of Dwight Way and approximately 1,311 feet south of Walnut Avenue.

Parkside-Forecast This District is located between “F” Street and Peach Avenue, east of Robin.

Country Lane I (Liberty Square) This District is located on the southeast corner of Hammatt Avenue and Aspenglen Way.

Country Lane II (Kishi) This District is located south of Olive Avenue at Hammatt Avenue.

La Tierra (Rancho Estrada) This District is located on the southeast corner of “F” Street and Robin Avenue.

Somerset (Sun Valley Estates) This District is located on the south side of Peach Avenue, west of the Arena Canal.

II. PLANS AND SPECIFICATIONS

A. Description of Each District's Services

The improvements to be serviced and maintained in each District, are public drainage improvements and City streets, including, but not limited to: personnel, electrical energy costs, a lift station, detention basin, storm drain pipeline, and all appurtenant facilities required for operation and maintenance of the above-mentioned improvements. Maintenance, servicing and operation shall include, but are not limited to repairing outlets if damaged, cleaning retention basins and repairing damage related to flooding together with implementation of and compliance to applicable municipal storm water quality objectives and State and Regional water quality regulations. Such maintenance, servicing and operation shall be authorized by the City Engineer or the City Manager. The specific Districts are known and designated as:

- Country Glen
- Country Roads
- Vintage West
 - Area A
 - Area B
- Monte Cristo Estates
- Monte Cristo Estates II (Briarwood)
- Vinewood Estates
- Vinewood Estates II (Briarwood)
- Kensington Park South (Vineyard Estates)
- Bridgeport Village
- Davante Villas
- Strawberry Fields
- Sundance (Country Villas 1, 2, and 3)
- Sundance IV (Country Villas IV)
- Parkside - Forecast
- Country Lane I (Liberty Square)
- Country Lane II (Kishi)
- La Tierra (Rancho Estrada)
- Somerset (Sun Valley Estates)

Improvement plans for the above-mentioned areas are more particularly identified and located in plans filed in the office of the City Engineer

III. METHOD OF APPORTIONMENT

A. Benefit Analysis

BACKGROUND

The Benefit Assessment Act of 1982 provides that assessments may be apportioned upon all assessable lots or parcels of land within a district in proportion to the estimated benefits to be received by each lot or parcel from the improvements in that district. Additionally, Proposition 218 states:

“In any legal action contesting the validity of any assessment, the burden shall be on the agency to demonstrate that the property or properties in question receive a special benefit over and above the benefits conferred on the public at large and that the amount of any contested assessment is proportional to, and no greater than, the benefits conferred on the property or properties in question.” Article XIID Section 4f

Therefore, the agency also has a responsibility to identify the benefits conferred on each parcel, (i.e., “special benefit” versus “general benefit”). Proposition 218 defines special benefit as:

“... a particular and distinct benefit over and above general benefits conferred on real property located in the district or to the public at large. General enhancement of property value does not constitute ‘special benefit.’” Article XIID Section 2i

This does not necessarily mean “special benefit” cannot be “estimated benefit”.

Proposition 218 requires the City to identify all parcels which have a special benefit conferred upon them and upon which an assessment will be imposed. The proportionate special benefit to each parcel shall be determined in relationship to the entirety of the public improvements or the maintenance and operation expenses being provided, and

“Only special benefits are assessable, and an agency shall separate the general benefits from the special benefits conferred on a parcel. Parcels within a district that are owned or used by any agency, the State of California or the United States shall not be exempt from assessment unless the agency can demonstrate by clear and convincing evidence that those publicly owned parcels in fact receive no special benefit.” Article XIII D Section 4a (Emphasis added)

SPECIAL BENEFIT

Each and every parcel within each District receives a particular and distinct benefit from the improvements in that District over and above general benefits conferred by the improvements.

First, all of the improvements were conditions of approval for the creation or development of the parcels. In order to create or develop the parcels, the City required the original developer to install and guarantee the maintenance of storm water control structures, and appurtenant facilities to serve the parcels. Therefore, each and every parcel within each District could not have been developed in the absence of the installation and promised maintenance of these facilities.

In addition, the improvements continue to confer a particular and distinct special benefit upon parcels within each District because of the nature of the improvements. The proper maintenance of storm water control and appurtenant facilities specially benefit parcels within each District by alleviating excess water during periods of rain. This allows individual parcels to be used to their fullest extent. All of the above-mentioned contributes to a specific enhancement of each of the parcels within each District.

GENERAL BENEFIT

In addition to the special benefits received by the parcels within each District, there are incidental general benefits conferred by the proposed improvements.

The total benefits are thus a combination of the special benefits to the parcels within each District and the general benefits to the public at large and to adjacent property owners. The portion of the total drainage maintenance costs, which are associated with general benefits, will not be assessed to the parcels in each District, but will be paid from other City Funds.

Because the drainage facilities are located immediately adjacent to properties within each District, and are maintained solely for the benefit of the properties within each District, any benefit received by properties outside of each District is merely incidental. It is estimated that the general benefit portion of the benefit received from the improvements for each District is less than one (1%) percent of the total benefit. Nonetheless, the City has agreed to ensure that no property is assessed in excess of the reasonable cost of the proportional special benefit conferred on that property.

B. Assessment Methodology

The net amount to be assessed upon parcels within each District are apportioned by any method, which fairly distributes the net amount among all parcels that receive benefit from improvements within each District.

The benefit formula used within each District may vary. The formula used for each District reflects the composition of the parcels, and the improvements and services provided, to accurately proportion the costs based on the estimated special benefit to each parcel.

Each parcel in a District is assigned a weighting factor known as an Equivalent Dwelling Unit (“EDU”). All single-family residential properties are assigned an EDU of 1.0. The total EDUs in each District is divided into the total Balance to Levy for the District to establish the Levy per EDU (“Rate”). The Rate is then multiplied by the

parcel's individual EDU to establish the parcel's levy amount. An explanation of how the weighting factors were determined can be found in the original District formation documents on file with the City.

The following shows the EDU factors for each property type in a District:

Property Type	EDU Factor	Basis
Developed Residential	1.00	Per Parcel
Developed Multi-Family	1.00	Per Unit
Undeveloped Residential	0.30	Per Acre
Developed Commercial/Industrial	6.00	Per Acre
Undeveloped Commercial/Industrial	0.30	Per Acre
Developed Public	6.00	Per Acre

The total number of EDUs within each District is provided in the District Budget under Section IV. B of this Report.

A residential parcel shall be considered developed if a building permit can be issued on such parcel without further subdivision and the parcel is adjacent to curb and gutter improvements.

The following formulas are used to calculate each property's assessment.

$$\text{Total Balance to Levy} / \text{Total EDU} = \text{Levy per EDU (Rate)}$$

$$\text{Parcel EDU} \times \text{Levy per EDU (Rate)} = \text{Parcel Levy Amount}$$

The table below is a sample levy calculation for a typical residential parcel from each Area of the Vintage West District.

SAMPLE LEVY CALCULATION

DISTRICT	PROPERTY TYPE	TOTAL BALANCE TO LEVY	TOTAL EDU	=	LEVY PER EDU	×	PARCEL EDU	=	PARCEL LEVY
Vintage West Area A	Single Family	\$1,839.00	75.00	=	\$24.52	×	1.00	=	\$24.52
Vintage West Area B	Single Family	\$11,014.92	141.00	=	\$78.12	×	1.00	=	\$78.12

All assessed lots or parcels of real property within each District are listed on the Assessment Roll (See Appendix B - 2019/2020 Assessment Roll). The Assessment Roll states the net amount to be assessed upon assessable lands within each District for fiscal year 2019/2020, shows the fiscal year 2019/2020 assessment upon each lot and parcel within each District and describes each assessable lot or parcel of land within each District. These lots and parcels are more particularly described on the County Assessment Roll, which is on file in the office of the Merced County Assessor and by reference is made a part of this report.

C. Assessment Rate Per EDU

For fiscal year 2019/2020, the assessment rate per EDU for the Sundance (Country Villas 1, 2, and 3), Kensington Park South (Vineyard Estates), Monte Cristo, Monte Cristo II (Briarwood), Vinewood Estates II (Briarwood), Bridgeport Village, Davante Villas, Country Lane I (Liberty Square), Country Lane II (Kishi), Sundance IV (Country Villas IV), Strawberry Fields, Parkside-Forecast, La Tierra (Rancho Estrada), and Somerset (Sun Valley Estates) Districts have been increased by the annual percentage increase in the Consumer Price Index (CPI) of “All Urban Consumers” for the San Francisco-Oakland-San Jose Area (“CPI”) calculated from Annual 2017 to Annual 2018 of 3.865%. Should the Bureau of Labor Statistics revise such index or discontinue the preparation of such index, the Engineer shall use the revised index or a comparable system as approved by the City Council for determining fluctuations in the cost of living. The FY 2019/2020 maximum rates per EDU for each District are shown in the budget section of this Report.

The following table provides the proposed Assessment Rates per EDU of each District to be levied in fiscal year 2019/2020:

District Code	District	Proposed Assessment Rate Per EDU*	Annual Inflator
401	Country Glen	\$43.02	Flat Rate
402	Country Roads	\$17.20	Flat Rate
403	Vintage West Area A	\$24.52	Flat Rate
404	Monte Cristo	\$119.24	CPI
405	Monte Cristo II (Briarwood)	\$119.24	CPI
406	Vinewood Estates	\$44.58	Flat Rate
407	Vinewood Estates II (Briarwood)	\$66.40	CPI
408	Kensington Park South (Vineyard Estates)	\$31.82	CPI
409	Bridgeport Village	\$120.72	CPI
410	Davante Villas	\$122.40	CPI
411	Strawberry Fields	\$120.72	CPI
412	Sundance (Country Villas 1, 2 & 3)	\$119.20	CPI
413	Sundance IV (Country Villas IV)	\$120.72	CPI
414	Parkside Forcast	\$120.72	CPI
415	Country Lane I (Liberty Square)	\$122.40	CPI
416	Country Lane II (Country Lane, Kishi)	\$122.40	CPI
417	La Tierra (Rancho Estrada)	\$120.72	CPI
418	Vintage West Area B	\$78.12	Flat Rate
420	Somerset (Sun Valley Estates)	\$118.96	CPI

* Rates have been rounded down to the nearest even penny per Merced County requirements.

IV. DISTRICT BUDGET

A. Description of Budget Items

The following describes the services and costs that are funded through each District, shown in the following Budgets.

DIRECT COSTS:

Personnel Services - Includes labor related costs required to properly maintain, service and/or operate the District improvements and appurtenant facilities including, the drainage system, pipelines and streets.

Contract Services - Includes cost of contract labor required to properly maintain, service and/or operate the District improvements and appurtenant facilities.

Maintenance Support - Includes costs related to communications of support personnel and information technology services.

Detention Basin/Equip O&M - Includes non-labor costs of maintaining, servicing and/or operating the Detention Basin improvements and related equipment.

Storm Water Management - Includes non-labor costs related to implementation and/or compliance to applicable municipal storm water quality objectives and State and Regional water quality regulations.

Storm Drain O&M - Includes non-labor costs of maintaining and/or serving storm drain improvements.

Electrical Energy - Includes costs for electrical energy provided by Pacific Gas and Electric to operate the District improvements.

Incidental & Other Costs - Includes the cost of publishing the notice of the public hearing related to the approval of the assessments and the cost of liability insurance.

Street Equip O&M - Includes the costs of maintaining the equipment needed to properly maintain the applicable portions of the streets.

Equipment Purchases - Purchases of equipment to be used to maintain, service and/or operate the District improvements. This and any other budget line item that is zero for the current fiscal year may not be listed shown in the Report's budget.

ADMINISTRATION COSTS:

County Administration Fee — The costs to the District for the County to collect assessments on the property tax bills.

District Engineering/Administration — The cost to all particular departments and staff of the City, for providing the coordination of District services, operations and maintenance, response to public concerns and education, and procedures associated with the levy and collection of assessments. Also includes the costs of contracting with professionals to provide any additional administrative, legal or engineering services specific to the District.

LEVY BREAKDOWN:

Replenishment/(Use) of Reserve — Funding transferred from or to the District's Reserve to either offset a portion of the budgeted costs or to replenish the Reserve. The Reserve provides for the collection of funds to operate a District from the time period of July 1 (beginning of the Fiscal Year) through January to compensate for the approximate six-month delay between the start of the District's fiscal year and the receipt of the collections from the County. If sufficiently funded, the Reserve can eliminate the need for the City to transfer funds from non-district accounts to pay for District costs during this period.

General Fund (Contribution)/Repayment — The projected General Fund contribution to the District when projected District expenditures cannot be met by the District's annual assessments or available reserves. A negative amount indicates a projected General Fund contribution while a positive amount represents potential funds available for repayment to the General Fund of a previous contribution.

Rounding Adjustment – A necessary rounding adjustment due to limitations of the County property tax system that requires even penny levy amounts to be placed on the secured tax roll.

Balance to Levy — This is the total amount to be levied and collected through assessments for the current fiscal year. The balance to levy represents the sum of total direct and administration costs, together with any applicable adjustments to the budget as described above.

DISTRICT STATISTICS

Charge Per EDU – The proposed assessment rate per EDU.

Maximum Rate per EDU – For each District, the maximum rate per EDU is the prior year maximum assessment rate of any District not subject to annual rate increases; the maximum rate per EDU in all other Districts is the prior year maximum assessment rate inflated by the annual percentage CPI increase.

Projected Maximum Assessment – Represents each District's total EDUs times the respective maximum assessment rate per EDU. Since this amount is not affected by rounding or other County requirements, this amount may vary slightly from the Balance to Levy.

OPERATING RESERVE

Projected Beginning Reserve Balance - The projected fund balance as of July 1, 2019.

Replenish /(Use) Operating Reserve — A positive amount increases the levy in order to replenish the reserve (or fund anticipated costs) where a negative amount reduces the levy by using the reserves to offset costs.

Transfer from/(to) the Special Projects Reserve — The amount of Operating Reserve monies expected to be transferred to or from the Special Projects Reserve in order to arrive at an operating reserve balance generally sufficient to fund District expenses for six months, to the extent that funds are available.

Ending Reserve Balance (est.) — This amount represents the projected Operating Reserve balance/(deficit) for each District as of June 30, 2020. The optimum ending balance of the Operating Reserve is considered to be an amount sufficient to fund the estimated costs of the District from July 1, 2020 to December 31, 2020.

SPECIAL PROJECTS RESERVE

Beginning Reserve Balance — The Special Projects Beginning Reserve Balance is shown as zero as each District's entire beginning reserve balance is shown in the Operating Reserve.

Replenish /(Use) Special Projects Reserve — This amount is added to the levy to replenish the reserves and / or to fund anticipated needs of the District.

Transfer from/(to) the Operating Reserve — The amount of Operating Reserve monies expected to be transferred to or from the Special Projects Reserve in order to arrive at an operating reserve balance generally sufficient to fund District expenses for six months.

Ending Reserve Balance (est.) — The projected balance of funds in the Special Projects Reserve as of June 30, 2020. These funds are held for future rehabilitation projects, replacements, restorations, upgrades of District improvements or other improvements allowed by the Act. Periodically, funds held in a Special Projects Reserve may be needed to respond to changing maintenance needs of the improvements or other factors. Accordingly, any or all funds held in a Special Projects Reserve are subject to transfer into the same District's Operating Reserve, at the discretion of the Public Works Director, in order to provide for the replacement, maintenance, servicing and operation of the improvements.

B. District Budget



Description	Country Glen	Country Roads	Vintage West Area A	Monte Cristo	Monte Cristo II (Briarwood)	Vinewood Estates	Vinewood Estates II (Briarwood)	Kensington Park South (Vineyard Estates)	Bridgeport Village	Davante Villas
Direct Costs										
Personnel Services	\$1,153	\$1,912	\$1,213	\$4,373	\$4,499	\$3,282	\$594	\$519	\$5,658	\$10,034
Contract Services	5	7	5	14	14	5	3	2	8	0
Maintenance Support	15	17	13	52	51	38	9	7	63	115
Detention Basin/Equip O&M	75	400	590	115	111	83	15	0	140	250
Storm Water Management	90	50	83	340	157	120	10	19	0	0
Storm Drain O&M	100	135	80	150	135	104	18	0	170	0
Electrical Energy	500	2,000	1,480	3,670	3,580	1,575	264	670	3,700	12,500
Incidental & Other Costs	20	37	21	75	75	55	10	10	89	174
Street Equip O&M	40	0	0	0	0	0	0	0	0	0
Direct Costs (subtotal)	\$1,998	\$4,558	\$3,485	\$8,789	\$8,622	\$5,262	\$923	\$1,227	\$9,828	\$23,073
Administration Costs										
County Administration Fee	\$66	\$120	\$20	\$73	\$74	\$94	\$56	\$61	\$79	\$104
District Engineering/Admin	310	563	301	1,249	1,288	932	163	156	1,619	3,064
Administration (subtotal)	\$376	\$683	\$321	\$1,322	\$1,362	\$1,026	\$219	\$217	\$1,698	\$3,168
Levy Breakdown										
Total Direct and Admin Costs	\$2,374	\$5,241	\$3,806	\$10,111	\$9,984	\$6,288	\$1,142	\$1,444	\$11,526	\$26,241
Replenishment /(Use) of Reserve	(481)	(1,801)	(1,967)	(2,479)	(2,114)	(805)	(146)	0	(1,627)	0
General Fund (Contribution)/Repayment								(489)		(7,511)
Rounding Adjustment				(0.49)	(0.51)		(0.23)	(0.53)	(0.43)	(2.63)
Balance to Levy	\$1,892.88	\$3,440.00	\$1,839.00	\$7,631.36	\$7,869.84	\$5,483.34	\$996.00	\$954.60	\$9,899.04	\$18,727.20
District Statistics										
Charge Per EDU*	\$43.02	\$17.20	\$24.52	\$119.24	\$119.24	\$44.58	\$66.40	\$31.82	\$120.72	\$122.40
Total EDUs	44.00	200.00	75.00	64.000	66.00	123.00	15.00	30.00	82.00	153.00
Total Levied Parcels	44	200	75	64	66	123	15	30	82	153
Maximum Rate Per EDU	\$43.0200	\$17.2000	\$24.5200	\$119.2477	\$119.2477	\$44.5800	\$66.4155	\$31.8375	\$120.7252	\$122.4172
Projected Maximum Assessment	\$1,893	\$3,440	\$1,839	\$7,632	\$7,870	\$5,483	\$996	\$955	\$9,899	\$18,730
Operating Reserve										
Projected Beginning Reserve Balance	\$3,901	\$2,523	\$12,902	\$3,758	\$2,761	\$16,448	\$7,949	(\$2,132)	\$6,639	(\$22,737)
Replenish /(Use) Operating Reserve	(481)	(1,801)	(1,967)	(2,479)	(2,114)	(805)	(146)		(1,627)	
Transfer fm/(to) Spec Projects Reserve	(2,233)		(9,032)			(12,499)	(7,232)			
Ending Reserve Balance (est.)	\$1,187	\$722	\$1,903	\$1,279	\$647	\$3,144	\$571	(\$2,132)	\$5,012	(\$22,737)
Special Projects Reserve										
Beginning Reserve Balance (7-1-19)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Replenish /(Use) Spec Projects Reserve										
Transfer from / (to) Operating Reserve	2,233	0	9,032	0	0	12,499	7,232	0	0	0
Ending Reserve Balance (est.)	\$2,233	\$0	\$9,032	\$0	\$0	\$12,499	\$7,232	\$0	\$0	\$0

* Rates have been rounded to nearest even penny per Merced County Requirements.

District Budget (Continued)

Description	Strawberry Fields	Sundance (Country Villas 1, 2 & 3)	Sundance IV (Country Villas IV)	Parkside Forecast	Country Lane I (Liberty Square)	Country Lane II (Country Lane, Kishi)	La Tierra (Rancho Estrada)	Vintage West Area B	Somerset (Sun Valley Estates)
Direct Costs									
Personnel Services	\$837	\$12,202	\$6,293	\$11,997	\$3,673	\$10,986	\$4,984	\$6,216	\$8,491
Contract Services	0	0	0	0	11	32	0	0	0
Maintenance Support	7	131	70	140	48	110	56	76	100
Detention Basin/Equip O&M	50	450	278	282	100	275	135	542	1,693
Storm Water Management	0	0	0	15	5	10	5	0	0
Storm Drain O&M	0	0	0	0	100	0	0	80	0
Electrical Energy	296	8,670	4,356	10,000	2,420	7,000	3,903	2,940	5,705
Incidental & Other Costs	9	205	108	206	65	190	92	110	145
Street Equip O&M	0	0	0	0	0	0	0	0	0
Direct Costs (subtotal)	\$1,199	\$21,658	\$11,105	\$22,640	\$6,422	\$18,603	\$9,175	\$9,964	\$16,134
Administration Costs									
County Administration Fee	\$53	\$113	\$84	\$115	\$70	\$105	\$77	\$99	\$97
District Engineering/Admin	118	3,491	1,916	3,654	1,121	3,144	1,521	1,802	2,589
Administration (subtotal)	\$171	\$3,604	\$2,000	\$3,769	\$1,191	\$3,249	\$1,598	\$1,901	\$2,686
Levy Breakdown									
Total Direct and Admin Costs	\$1,370	\$25,262	\$13,105	\$26,409	\$7,613	\$21,852	\$10,773	\$11,865	\$18,820
Replenishment /(Use) of Reserve	(75)	(3,925)	0	0	0	0	0	(850)	0
General Fund (Contribution)/Repayment	(571)		(1,395)	(4,075)	(758)	(2,633)	(1,477)		(2,998)
Rounding Adjustment	(0.03)	(0.01)	(0.50)	(0.96)	(0.96)	(2.70)	(0.40)	0.00	(0.23)
Balance to Levy	\$724.32	\$21,336.80	\$11,709.84	\$22,333.20	\$6,854.40	\$19,216.80	\$9,295.44	\$11,014.92	\$15,821.68
District Statistics									
Charge Per EDU*	\$120.72	\$119.20	\$120.72	\$120.72	\$122.40	\$122.40	\$120.72	\$78.12	\$118.96
Total EDUs	6.00	179.00	97.000	185.00	56.00	157.00	77.000	141.00	133.00
Total Levied Parcels	6	179	97	185	56	157	77	141	133
Maximum Rate Per EDU	\$120.7252	\$119.2001	\$120.7252	\$120.7252	\$122.4172	\$122.4172	\$120.7252	\$78.1200	\$118.9617
Projected Maximum Assessment	\$724	\$21,337	\$11,710	\$22,334	\$6,855	\$19,219	\$9,296	\$11,015	\$15,822
Operating Reserve									
Projected Beginning Reserve Balance	\$75	\$12,538	(\$23,247)	(\$21,050)	(\$2,667)	(\$7,888)	(\$24,323)	\$26,182	(\$44,283)
Replenish /(Use) Operating Reserve	(75)	(3,925)						(850)	
Transfer fm/(to) Spec Projects Reserve								(19,399)	
Ending Reserve Balance (est.)	\$0	\$8,613	(\$23,247)	(\$21,050)	(\$2,667)	(\$7,888)	(\$24,323)	\$5,933	(\$44,283)
Special Projects Reserve									
Beginning Reserve Balance (7-1-19)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Replenish /(Use) Spec Projects Reserve									
Transfer from / (to) Operating Reserve	0	0	0	0	0	0	0	19,399	0
Ending Reserve Balance (est.)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,399	\$0

* Rates have been rounded to nearest even penny per Merced County Requirements.

V. APPENDIX A — DISTRICT BOUNDARY DIAGRAMS

The Boundary Diagram for each District have been previously submitted to the City Clerk in the format required under the Act and are, by reference, hereby made part of this Report. The Boundary Diagrams are available for inspection at the office of the City Clerk during normal business hours.

The lines and dimensions of each lot or parcel within the Districts are those lines and dimensions shown on the maps of the Assessor of the County of Merced, for the year when this Report was prepared, and are also incorporated by reference herein and made part of this Report.

VI. APPENDIX B — 2019/2020 ASSESSMENT ROLL

Parcel identification, for each lot or parcel within the District, shall be the parcel as shown on the Merced County Assessor's map for the year in which this Report is prepared. The land use classification for each parcel is based on the Merced County Assessor's Roll. A listing of parcels assessed within each District, along with the corresponding assessment amount of each, is provided in the following pages.

Non-assessable lots or parcels may include areas of public streets and other roadways (typically not assigned an APN by the County); dedicated public easements, open space areas and rights-of-ways including public greenbelts and parkways; utility rights-of-ways; common areas; landlocked parcels, small parcels vacated by the County, bifurcated lots, and any other property that cannot be developed. These types of parcels are considered to receive little or no benefit from the improvements and are therefore exempted from assessment. Properties outside the District boundary receive no direct or special benefits from the improvements provided by the District and are not assessed.

Approval of this Report (as submitted or as modified) confirms the method of apportionment and the maximum assessment rate to be levied against each eligible parcel and thereby constitutes the approved levy and collection of assessments for the fiscal year. The parcels and the amount of assessment to be levied shall be submitted to the County Auditor/Controller and included on the property tax roll for the fiscal year.

If any parcel submitted for collection is identified by the County Auditor/Controller to be an invalid parcel number for the current fiscal year, a corrected parcel number and/or new parcel numbers will be identified and resubmitted to the County Auditor/Controller. The assessment amount to be levied and collected for the resubmitted parcel or parcels shall be based on the method of apportionment and assessment rate approved in this Report. Therefore, if a single parcel has changed to multiple parcels, the assessment amount applied to each of the new parcels shall be recalculated and applied according to the approved method of apportionment and assessment rate rather than a proportionate share of the original assessment.

**City of Livingston
BAD - Country Glen
Fiscal Year 2019/20 Preliminary Assessment Roll**

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
022-062-001-000	337	PARADISE DR	1.0	43.02
022-062-002-000	349	PARADISE DR	1.0	43.02
022-062-003-000	361	PARADISE DR	1.0	43.02
022-062-004-000	373	PARADISE DR	1.0	43.02
022-063-001-000	915	HILLTOP AVE	1.0	43.02
022-063-002-000	931	HILLTOP AVE	1.0	43.02
022-063-003-000	947	HILLTOP AVE	1.0	43.02
022-063-004-000	963	HILLTOP AVE	1.0	43.02
022-063-005-000	979	HILLTOP AVE	1.0	43.02
022-063-006-000	995	HILLTOP AVE	1.0	43.02
022-067-026-000	996	HILLTOP AVE	1.0	43.02
022-067-027-000	980	HILLTOP AVE	1.0	43.02
022-067-028-000	964	HILLTOP AVE	1.0	43.02
022-067-029-000	948	HILLTOP AVE	1.0	43.02
022-067-030-000	932	HILLTOP AVE	1.0	43.02
022-067-031-000	916	HILLTOP DR	1.0	43.02
022-071-001-000	988	AUBURN CT	1.0	43.02
022-071-002-000	976	AUBURN CT	1.0	43.02
022-071-003-000	968	AUBURN CT	1.0	43.02
022-071-004-000	960	AUBURN CT	1.0	43.02
022-071-005-000	948	AUBURN CT	1.0	43.02
022-071-006-000	936	AUBURN CT	1.0	43.02
022-071-007-000	928	AUBURN CT	1.0	43.02
022-071-008-000	920	AUBURN CT	1.0	43.02
022-071-009-000	912	AUBURN CT	1.0	43.02
022-071-011-000	915	AUBURN CT	1.0	43.02
022-071-012-000	925	AUBURN CT	1.0	43.02
022-071-013-000	933	AUBURN CT	1.0	43.02
022-071-014-000	414	PARADISE CT	1.0	43.02
022-071-015-000	426	PARADISE CT	1.0	43.02
022-071-016-000	440	PARADISE CT	1.0	43.02
022-071-017-000	452	PARADISE CT	1.0	43.02
022-071-018-000	466	PARADISE CT	1.0	43.02
022-071-019-000	482	PARADISE CT	1.0	43.02
022-071-020-000	498	PARADISE CT	1.0	43.02
022-071-021-000	499	PARADISE CT	1.0	43.02
022-071-022-000	483	PARADISE CT	1.0	43.02
022-071-023-000	467	PARADISE CT	1.0	43.02
022-071-024-000	453	PARADISE CT	1.0	43.02
022-071-025-000	441	PARADISE CT	1.0	43.02
022-071-026-000	427	PARADISE CT	1.0	43.02
022-071-027-000	415	PARADISE CT	1.0	43.02
022-072-001-000	385	PARADISE DR	1.0	43.02
022-072-002-000	399	PARADISE DR	1.0	43.02

Summary Fields	Value
Number of Parcels to be Levied	44
Total EDUs	44.00
Total Charges	\$1,892.88

City of Livingston
BAD - Country Roads
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
143-271-001-000	828	DWIGHT WAY	1.0	17.20
143-271-002-000	824	MAPLE AVE	1.0	17.20
143-271-003-000	812	MAPLE AVE	1.0	17.20
143-271-004-000	800	MAPLE AVE	1.0	17.20
143-271-005-000	788	MAPLE AVE	1.0	17.20
143-271-006-000	776	MAPLE AVE	1.0	17.20
143-271-007-000	780	DWIGHT WAY	1.0	17.20
143-271-008-000	792	DWIGHT WAY	1.0	17.20
143-271-009-000	804	DWIGHT WAY	1.0	17.20
143-271-010-000	816	DWIGHT WAY	1.0	17.20
143-272-001-000	708	DWIGHT WAY	1.0	17.20
143-272-002-000	720	DWIGHT WAY	1.0	17.20
143-272-003-000	732	DWIGHT WAY	1.0	17.20
143-272-004-000	744	DWIGHT WAY	1.0	17.20
143-272-005-000	756	DWIGHT WAY	1.0	17.20
143-272-006-000	768	DWIGHT WAY	1.0	17.20
143-272-007-000	764	MAPLE AVE	1.0	17.20
143-272-008-000	752	MAPLE AVE	1.0	17.20
143-272-009-000	740	MAPLE AVE	1.0	17.20
143-272-010-000	726	MAPLE AVE	1.0	17.20
143-272-011-000	712	MAPLE AVE	1.0	17.20
143-272-012-000	2832	ELM ST	1.0	17.20
143-272-013-000	2836	ELM ST	1.0	17.20
143-272-014-000	2842	ELM ST	1.0	17.20
143-272-015-000	2850	ELM ST	1.0	17.20
143-272-016-000	2858	ELM ST	1.0	17.20
143-272-017-000	2866	ELM ST	1.0	17.20
143-272-018-000	2872	ELM ST	1.0	17.20
143-272-019-000	2880	ELM ST	1.0	17.20
143-272-020-000	2886	ELM ST	1.0	17.20
143-272-021-000	2890	ELM ST	1.0	17.20
143-272-022-000	2896	ELM ST	1.0	17.20
143-273-001-000	817	MAPLE AVE	1.0	17.20
143-273-002-000	805	MAPLE AVE	1.0	17.20
143-273-003-000	793	MAPLE AVE	1.0	17.20
143-273-004-000	781	MAPLE AVE	1.0	17.20
143-273-005-000	769	MAPLE AVE	1.0	17.20
143-273-006-000	757	MAPLE AVE	1.0	17.20
143-273-007-000	2837	ELM ST	1.0	17.20
143-273-008-000	2843	ELM ST	1.0	17.20
143-273-009-000	2851	ELM ST	1.0	17.20
143-273-010-000	2859	ELM ST	1.0	17.20
143-273-011-000	2865	ELM ST	1.0	17.20
143-273-012-000	2871	ELM ST	1.0	17.20
143-273-013-000	2879	ELM ST	1.0	17.20
143-273-014-000	2885	ELM ST	1.0	17.20
143-273-015-000	2889	ELM ST	1.0	17.20
143-273-016-000	2897	ELM ST	1.0	17.20
143-273-017-000	2894	BIRCH ST	1.0	17.20
143-273-018-000	2892	BIRCH ST	1.0	17.20
143-273-019-000	2888	BIRCH ST	1.0	17.20
143-273-020-000	2882	BIRCH ST	1.0	17.20
143-273-021-000	2874	BIRCH ST	1.0	17.20

City of Livingston
BAD - Country Roads
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
143-273-022-000	2868	BIRCH ST	1.0	17.20
143-273-023-000	2860	BIRCH ST	1.0	17.20
143-273-024-000	763	ALDER ST	1.0	17.20
143-273-025-000	775	ALDER ST	1.0	17.20
143-273-026-000	787	ALDER ST	1.0	17.20
143-273-027-000	799	ALDER WAY	1.0	17.20
143-273-028-000	2850	BLACK PINE WAY	1.0	17.20
143-274-001-000	2867	BIRCH ST	1.0	17.20
143-274-002-000	2873	BIRCH ST	1.0	17.20
143-274-003-000	2881	BIRCH ST	1.0	17.20
143-274-004-000	2887	BIRCH ST	1.0	17.20
143-274-005-000	2891	BIRCH ST	1.0	17.20
143-274-006-000	2895	BIRCH ST	1.0	17.20
143-274-007-000	2899	BIRCH ST	1.0	17.20
143-274-008-000	2901	BIRCH ST	1.0	17.20
143-274-009-000	2915	BIRCH ST	1.0	17.20
143-274-010-000	785	CEDAR LN	1.0	17.20
143-274-011-000	795	CEDAR LN	1.0	17.20
143-274-012-000	801	CEDAR LN	1.0	17.20
143-274-013-000	2914	BLACK PINE WAY	1.0	17.20
143-274-014-000	2900	BLACK PINE WAY	1.0	17.20
143-274-015-000	2898	BLACK PINE WAY	1.0	17.20
143-274-016-000	2894	BLACK PINE WAY	1.0	17.20
143-274-017-000	2892	BLACK PINE WAY	1.0	17.20
143-274-018-000	2888	BLACK PINE WAY	1.0	17.20
143-274-019-000	2882	BLACK PINE WAY	1.0	17.20
143-274-020-000	2874	BLACK PINE WAY	1.0	17.20
143-274-021-000	800	ALDER WAY	1.0	17.20
143-275-001-000	700	SYCAMORE ST	1.0	17.20
143-275-002-000	710	SYCAMORE ST	1.0	17.20
143-275-003-000	724	SYCAMORE ST	1.0	17.20
143-275-004-000	746	SYCAMORE ST	1.0	17.20
143-275-005-000	760	SYCAMORE ST	1.0	17.20
143-275-006-000	768	SYCAMORE ST	1.0	17.20
143-275-007-000	771	CEDAR CT	1.0	17.20
143-275-008-000	761	CEDAR CT	1.0	17.20
143-275-009-000	747	CEDAR CT	1.0	17.20
143-275-010-000	729	CEDAR CT	1.0	17.20
143-275-011-000	709	CEDAR CT	1.0	17.20
143-275-012-000	702	CEDAR CT	1.0	17.20
143-275-013-000	712	CEDAR CT	1.0	17.20
143-275-014-000	722	CEDAR CT	1.0	17.20
143-275-015-000	734	CEDAR CT	1.0	17.20
143-275-016-000	742	CEDAR CT	1.0	17.20
143-275-017-000	758	CEDAR CT	1.0	17.20
143-275-018-000	770	CEDAR CT	1.0	17.20
143-275-019-000	776	CEDAR ST	1.0	17.20
143-275-020-000	788	CEDAR ST	1.0	17.20
143-275-021-000	794	CEDAR LN	1.0	17.20
143-275-022-000	800	CEDAR LN	1.0	17.20
143-275-023-000	806	CEDAR LN	1.0	17.20
143-281-002-000	924	DWIGHT WAY	1.0	17.20
143-281-003-000	912	DWIGHT WAY	1.0	17.20

City of Livingston
BAD - Country Roads
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ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
143-281-005-000	888	DWIGHT WAY	1.0	17.20
143-281-006-000	876	DWIGHT WAY	1.0	17.20
143-281-007-000	864	DWIGHT WAY	1.0	17.20
143-281-008-000	852	DWIGHT WAY	1.0	17.20
143-281-009-000	840	DWIGHT WAY	1.0	17.20
143-281-010-000	836	MAPLE CT	1.0	17.20
143-281-011-000	848	MAPLE CT	1.0	17.20
143-281-012-000	860	MAPLE CT	1.0	17.20
143-281-013-000	872	MAPLE CT	1.0	17.20
143-281-014-000	884	MAPLE CT	1.0	17.20
143-281-015-000	896	MAPLE CT	1.0	17.20
143-281-016-000	908	MAPLE CT	1.0	17.20
143-281-017-000	920	MAPLE CT	1.0	17.20
143-281-018-000	913	MAPLE CT	1.0	17.20
143-281-019-000	901	MAPLE CT	1.0	17.20
143-281-020-000	889	MAPLE CT	1.0	17.20
143-281-021-000	877	MAPLE CT	1.0	17.20
143-281-022-000	865	MAPLE CT	1.0	17.20
143-281-023-000	853	MAPLE CT	1.0	17.20
143-281-024-000	841	MAPLE CT	1.0	17.20
143-281-025-000	2843	BLACK PINE WAY	1.0	17.20
143-281-026-000	2851	BLACK PINE WAY	1.0	17.20
143-281-027-000	2859	BLACK PINE WAY	1.0	17.20
143-281-028-000	2865	BLACK PINE WAY	1.0	17.20
143-281-029-000	2871	BLACK PINE WAY	1.0	17.20
143-281-030-000	2885	BLACK PINE WAY	1.0	17.20
143-281-031-000	2895	BLACK PINE WAY	1.0	17.20
143-281-032-000	2899	BLACK PINE WAY	1.0	17.20
143-281-033-000	801	ZELKOVA WAY	1.0	17.20
143-281-034-000	817	ZELKOVA WAY	1.0	17.20
143-281-035-000	2892	AMBER CT	1.0	17.20
143-281-036-000	2888	AMBER CT	1.0	17.20
143-281-037-000	2882	AMBER CT	1.0	17.20
143-281-038-000	2874	AMBER CT	1.0	17.20
143-281-039-000	2868	AMBER CT	1.0	17.20
143-281-040-000	2864	AMBER CT	1.0	17.20
143-281-041-000	2858	AMBER CT	1.0	17.20
143-281-042-000	2859	AMBER CT	1.0	17.20
143-281-043-000	2869	AMBER CT	1.0	17.20
143-281-044-000	2865	AMBER CT	1.0	17.20
143-281-045-000	2867	AMBER CT	1.0	17.20
143-281-046-000	2873	AMBER CT	1.0	17.20
143-281-047-000	2881	AMBER CT	1.0	17.20
143-281-048-000	2887	AMBER CT	1.0	17.20
143-281-049-000	2891	AMBER CT	1.0	17.20
143-281-050-000	827	ZELKOVA WAY	1.0	17.20
143-281-051-000	2906	EVERGREEN CT	1.0	17.20
143-281-052-000	2900	EVERGREEN CT	1.0	17.20
143-281-053-000	2894	EVERGREEN CT	1.0	17.20
143-281-054-000	2882	EVERGREEN CT	1.0	17.20
143-281-055-000	2876	EVERGREEN CT	1.0	17.20
143-281-056-000	2870	EVERGREEN CT	1.0	17.20
143-281-057-000	2864	EVERGREEN CT	1.0	17.20

City of Livingston
BAD - Country Roads
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ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
143-281-058-000	2858	EVERGREEN CT	1.0	17.20
143-281-059-000	2859	EVERGREEN CT	1.0	17.20
143-281-060-000	2865	EVERGREEN CT	1.0	17.20
143-281-061-000			1.0	17.20
143-281-062-000	2877	EVERGREEN CT	1.0	17.20
143-281-063-000	2881	EVERGREEN CT	1.0	17.20
143-281-064-000	2887	EVERGREEN CT	1.0	17.20
143-281-065-000	2895	EVERGREEN CT	1.0	17.20
143-281-066-000	2901	EVERGREEN CT	1.0	17.20
143-281-067-000			1.0	17.20
143-281-068-000	2913	EVERGREEN WAY	1.0	17.20
143-281-069-000	2919	EVERGREEN WAY	1.0	17.20
143-281-070-000	2925	EVERGREEN CT	1.0	17.20
143-281-071-000	2931	EVERGREEN WAY	1.0	17.20
143-281-072-000	2937	EVERGREEN WAY	1.0	17.20
143-281-073-000	2943	EVERGREEN CT	1.0	17.20
143-281-074-000	866	CEDAR LN	1.0	17.20
143-281-075-000	860	CEDAR LN	1.0	17.20
143-281-076-000	854	CEDAR LN	1.0	17.20
143-281-077-000	848	CEDAR LN	1.0	17.20
143-281-078-000	842	CEDAR LN	1.0	17.20
143-281-079-000	836	CEDAR LN	1.0	17.20
143-281-080-000	830	CEDAR LN	1.0	17.20
143-281-081-000	824	CEDAR LN	1.0	17.20
143-281-082-000	818	CEDAR LN	1.0	17.20
143-281-083-000	812	CEDAR LN	1.0	17.20
143-282-001-000	828	ZELKOVA WAY	1.0	17.20
143-282-002-000	824	ZELKOVA WAY	1.0	17.20
143-282-003-000	816	ZELKOVA WAY	1.0	17.20
143-282-004-000	812	ZELKOVA WAY	1.0	17.20
143-282-005-000	800	ZELKOVA WAY	1.0	17.20
143-282-006-000	2901	BLACK PINE WAY	1.0	17.20
143-282-007-000	817	CEDAR LN	1.0	17.20
143-282-008-000	827	CEDAR LN	1.0	17.20
143-282-009-000	833	CEDAR LN	1.0	17.20
143-282-010-000	839	CEDAR LN	1.0	17.20
143-282-011-000	845	CEDAR LN	1.0	17.20
143-282-012-000	851	CEDAR LN	1.0	17.20
143-282-013-000	857	CEDAR LN	1.0	17.20
143-282-014-000	840	ZELKOVA WAY	1.0	17.20
143-282-015-000	834	ZELKOVA WAY	1.0	17.20

Summary Fields	Value
Number of Parcels to be Levied	200
Total EDUs	200.00
Total Charges	\$3,440.00

City of Livingston
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ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	AREA	CHARGE (\$)
023-091-012-000	2349	BURGUNDY DR	1.0	A	24.52
023-091-013-000	2363	BURGUNDY DR	1.0	A	24.52
023-091-014-000	2377	BURGUNDY DR	1.0	A	24.52
023-091-015-000	2391	BURGUNDY DR	1.0	A	24.52
023-091-016-000	2403	BURGUNDY DR	1.0	A	24.52
023-091-017-000	2417	BURGUNDY DR	1.0	A	24.52
023-091-018-000	2431	BURGUNDY DR	1.0	A	24.52
023-091-019-000	2449	BURGUNDY DR	1.0	A	24.52
023-091-020-000	2463	BURGUNDY DR	1.0	B	78.12
023-091-021-000	2477	BURGUNDY DR	1.0	B	78.12
023-093-009-000	1322	CHABLIS CT	1.0	A	24.52
023-093-010-000	1336	CHABLIS CT	1.0	A	24.52
023-093-011-000	1350	CHABLIS CT	1.0	A	24.52
023-093-012-000	1408	CHABLIS CT	1.0	A	24.52
023-093-013-000	1422	CHABLIS CT	1.0	A	24.52
023-093-014-000	1432	CHABLIS CT	1.0	A	24.52
023-093-015-000	1446	CHABLIS CT	1.0	A	24.52
023-093-016-000	1459	CHABLIS CT	1.0	A	24.52
023-093-017-000	1447	CHABLIS CT	1.0	A	24.52
023-093-018-000	1435	CHABLIS CT	1.0	A	24.52
023-093-019-000	1421	CHABLIS CT	1.0	A	24.52
023-093-020-000	1407	CHABLIS CT	1.0	A	24.52
023-093-021-000	1347	CHABLIS CT	1.0	A	24.52
023-093-022-000	1333	CHABLIS CT	1.0	A	24.52
023-093-023-000	1323	CHABLIS CT	1.0	A	24.52
023-093-024-000	1322	CHARDONNAY WAY	1.0	A	24.52
023-093-025-000	1336	CHARDONNAY WAY	1.0	A	24.52
023-093-026-000	1350	CHARDONNAY WAY	1.0	A	24.52
023-093-027-000	1408	CHARDONNAY WAY	1.0	A	24.52
023-093-028-000	1422	CHARDONNAY WAY	1.0	A	24.52
023-093-029-000	1432	CHARDONNAY WAY	1.0	A	24.52
023-093-030-000	1446	CHARDONNAY WAY	1.0	A	24.52
023-093-031-000	1458	CHARDONNAY WAY	1.0	A	24.52
023-094-001-000	1323	CHARDONNAY WAY	1.0	A	24.52
023-094-002-000	1333	CHARDONNAY WAY	1.0	A	24.52
023-094-003-000	1347	CHARDONNAY WAY	1.0	A	24.52
023-094-004-000	1407	CHARDONNAY WAY	1.0	A	24.52
023-094-005-000	1421	CHARDONNAY WAY	1.0	A	24.52
023-094-006-000	1435	CHARDONNAY WAY	1.0	A	24.52
023-094-007-000	1447	CHARDONNAY WAY	1.0	A	24.52
023-094-008-000	1459	CHARDONNAY WAY	1.0	A	24.52
023-094-009-000	1470	CHIANTI DR	1.0	B	78.12
023-094-010-000	1458	CHIANTI DR	1.0	B	78.12
023-094-011-000	1446	CHIANTI DR	1.0	B	78.12
023-094-012-000	1434	CHIANTI DR	1.0	B	78.12
023-094-013-000	1422	CHIANTI DR	1.0	B	78.12
023-094-014-000	1408	CHIANTI DR	1.0	B	78.12
023-094-015-000	1346	CHIANTI DR	1.0	B	78.12
023-094-016-000	1334	CHIANTI DR	1.0	B	78.12
023-094-017-000	1322	CHIANTI DR	1.0	B	78.12
023-100-001-000	2491	BURGUNDY DR	1.0	B	78.12
023-100-002-000	2507	BURGUNDY DR	1.0	B	78.12
023-100-003-000	2521	BURGUNDY DR	1.0	B	78.12

**City of Livingston
BAD - Vintage West
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ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	AREA	CHARGE (\$)
023-100-004-000	2535	BURGUNDY DR	1.0	B	78.12
023-100-005-000	2551	BURGUNDY DR	1.0	B	78.12
023-100-006-000	2565	BURGUNDY DR	1.0	B	78.12
023-100-007-000	2579	BURGUNDY DR	1.0	B	78.12
023-100-008-000	2593	BURGUNDY DR	1.0	B	78.12
023-100-009-000	2607	BURGUNDY DR	1.0	B	78.12
023-100-010-000	2621	BURGUNDY DR	1.0	B	78.12
023-100-011-000	2635	BURGUNDY DR	1.0	B	78.12
023-100-012-000	2634	BURGUNDY DR	1.0	B	78.12
023-100-013-000	2620	BURGUNDY DR	1.0	B	78.12
023-100-014-000	2606	BURGUNDY DR	1.0	B	78.12
023-100-015-000	2607	CLARET CIR	1.0	B	78.12
023-100-016-000	2621	CLARET CIR	1.0	B	78.12
023-100-017-000	2635	CLARET CIR	1.0	B	78.12
023-100-018-000	2634	CLARET CIR	1.0	B	78.12
023-100-019-000	2620	CLARET CIR	1.0	B	78.12
023-100-020-000	2606	CLARET CIR	1.0	B	78.12
023-100-021-000	1458	PINOT DR	1.0	B	78.12
023-100-022-000	1446	PINOT DR	1.0	B	78.12
023-100-023-000	1434	PINOT DR	1.0	B	78.12
023-100-024-000	1422	PINOT DR	1.0	B	78.12
023-100-025-000	1346	PINOT DR	1.0	B	78.12
023-100-026-000	1334	PINOT DR	1.0	B	78.12
023-100-027-000	1322	PINOT DR	1.0	B	78.12
023-100-028-000	2570	BURGUNDY DR	1.0	B	78.12
023-100-029-000	2552	BURGUNDY DR	1.0	B	78.12
023-100-030-000	2534	BURGUNDY DR	1.0	B	78.12
023-100-031-000	2508	BURGUNDY DR	1.0	B	78.12
023-100-032-000	1323	CHIANTI DR	1.0	B	78.12
023-100-033-000	1333	CHIANTI DR	1.0	B	78.12
023-100-034-000	1347	CHIANTI DR	1.0	B	78.12
023-100-035-000	1407	CHIANTI DR	1.0	B	78.12
023-100-036-000	1421	CHIANTI DR	1.0	B	78.12
023-100-037-000	1435	CHIANTI DR	1.0	B	78.12
023-100-038-000	1449	CHIANTI DR	1.0	B	78.12
023-100-039-000	1458	BRANDY CT	1.0	B	78.12
023-100-040-000	1446	BRANDY CT	1.0	B	78.12
023-100-041-000	1434	BRANDY CT	1.0	B	78.12
023-100-042-000	1422	BRANDY CT	1.0	B	78.12
023-100-043-000	1408	BRANDY CT	1.0	B	78.12
023-100-044-000	1401	BRANDY CT	1.0	B	78.12
023-100-045-000	1407	BRANDY CT	1.0	B	78.12
023-100-046-000	1421	BRANDY CT	1.0	B	78.12
023-100-047-000	1435	BRANDY CT	1.0	B	78.12
023-100-048-000	1449	BRANDY CT	1.0	B	78.12
023-110-018-000	2349	ZINFANDEL DR	1.0	A	24.52
023-110-019-000	2363	ZINFANDEL DR	1.0	A	24.52
023-110-020-000	2377	ZINFANDEL DR	1.0	A	24.52
023-110-021-000	2391	ZINFANDEL DR	1.0	A	24.52
023-110-022-000	2403	ZINFANDEL DR	1.0	A	24.52
023-110-023-000	2402	ZINFANDEL DR	1.0	A	24.52
023-110-024-000	2390	ZINFANDEL DR	1.0	A	24.52
023-110-025-000	2376	ZINFANDEL DR	1.0	A	24.52

**City of Livingston
BAD - Vintage West
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ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	AREA	CHARGE (\$)
023-110-026-000	2362	ZINFANDEL DR	1.0	A	24.52
023-110-027-000	2348	ZINFANDEL DR	1.0	A	24.52
023-110-028-000	2349	JOHANNISBURG DR	1.0	A	24.52
023-110-029-000	2363	JOHANNISBURG DR	1.0	A	24.52
023-110-030-000	2377	JOHANNISBURG DR	1.0	A	24.52
023-110-031-000	2391	JOHANNISBURG DR	1.0	A	24.52
023-110-032-000	2403	JOHANNISBURG DR	1.0	A	24.52
023-110-033-000	1602	CHARDONNAY WAY	1.0	A	24.52
023-110-034-000	2390	JOHANNISBURG DR	1.0	A	24.52
023-110-035-000	2376	JOHANNISBURG DR	1.0	A	24.52
023-110-036-000	2362	JOHANNISBURG DR	1.0	A	24.52
023-110-037-000	2348	JOHANNISBURG DR	1.0	A	24.52
023-110-038-000	2349	PEACH AVE	1.0	A	24.52
023-110-039-000	2363	PEACH AVE	1.0	A	24.52
023-110-040-000	2377	PEACH AVE	1.0	A	24.52
023-110-041-000	2391	PEACH AVE	1.0	A	24.52
023-110-042-000	1618	CHARDONNAY WAY	1.0	A	24.52
023-110-043-000	1634	CHARDONNAY WAY	1.0	A	24.52
023-110-044-000	1633	CHARDONNAY WAY	1.0	A	24.52
023-110-045-000	1617	CHARDONNAY WAY	1.0	A	24.52
023-110-046-000	1601	CHARDONNAY WAY	1.0	A	24.52
023-110-047-000	1547	CHARDONNAY WAY	1.0	A	24.52
023-110-048-000	1535	CHARDONNAY WAY	1.0	A	24.52
023-110-049-000	1521	CHARDONNAY WAY	1.0	A	24.52
023-110-050-000	1507	CHARDONNAY WAY	1.0	A	24.52
023-110-051-000	1495	CHARDONNAY WAY	1.0	A	24.52
023-110-052-000	1483	CHARDONNAY WAY	1.0	A	24.52
023-110-053-000	1471	CHARDONNAY WAY	1.0	A	24.52
023-120-001-000	1463	CHIANTI DR	1.0	B	78.12
023-120-002-000	1470	BRANDY CT	1.0	B	78.12
023-120-003-000	1463	BRANDY WAY	1.0	B	78.12
023-120-004-000	1470	PINOT DR	1.0	B	78.12
023-120-005-000	2621	BRANDY WAY	1.0	B	78.12
023-120-006-000	2631	BRANDY WAY	1.0	B	78.12
023-120-007-000	2641	BRANDY WAY	1.0	B	78.12
023-120-008-000	2651	BRANDY WAY	1.0	B	78.12
023-120-009-000	2661	BRANDY WAY	1.0	B	78.12
023-120-010-000	2671	BRANDY WAY	1.0	B	78.12
023-120-011-000	2681	BRANDY WAY	1.0	B	78.12
023-120-012-000	1463	AMARETTO WAY	1.0	B	78.12
023-120-013-000	1477	AMARETTO WAY	1.0	B	78.12
023-120-014-000	1495	AMARETTO WAY	1.0	B	78.12
023-120-015-000	1521	AMARETTO WAY	1.0	B	78.12
023-120-016-000	1537	AMARETTO WAY	1.0	B	78.12
023-120-017-000	1553	AMARETTO WAY	1.0	B	78.12
023-120-018-000	1569	AMARETTO WAY	1.0	B	78.12
023-120-019-000	1585	AMARETTO WAY	1.0	B	78.12
023-120-020-000	1601	AMARETTO WAY	1.0	B	78.12
023-120-021-000	1617	AMARETTO WAY	1.0	B	78.12
023-120-022-000	1633	AMARETTO WAY	1.0	B	78.12
023-120-023-000	2600	BRANDY WAY	1.0	B	78.12
023-120-024-000	2610	BRANDY WAY	1.0	B	78.12
023-120-025-000	2622	BRANDY WAY	1.0	B	78.12

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ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	AREA	CHARGE (\$)
023-120-026-000	2632	BRANDY WAY	1.0	B	78.12
023-120-027-000	2642	BRANDY WAY	1.0	B	78.12
023-120-028-000	2652	BRANDY WAY	1.0	B	78.12
023-120-029-000	2662	BRANDY WAY	1.0	B	78.12
023-120-030-000	2672	BRANDY WAY	1.0	B	78.12
023-120-031-000	2681	BARDOLINO DR	1.0	B	78.12
023-120-032-000	2671	BARDOLINO DR	1.0	B	78.12
023-120-033-000	2661	BARDOLINO DR	1.0	B	78.12
023-120-034-000	2651	BARDOLINO DR	1.0	B	78.12
023-120-035-000	2641	BARDOLINO DR	1.0	B	78.12
023-120-036-000	2631	BARDOLINO DR	1.0	B	78.12
023-120-037-000	2621	BARDOLINO DR	1.0	B	78.12
023-120-038-000	1601	ROSE CT	1.0	B	78.12
023-120-040-000	1649	ROSE CT	1.0	B	78.12
023-120-041-000	1633	ROSE CT	1.0	B	78.12
023-120-042-000	1617	ROSE CT	1.0	B	78.12
023-120-043-000	2548	BARDOLINO DR	1.0	B	78.12
023-120-044-000	2570	BARDOLINO DR	1.0	B	78.12
023-120-045-000	2584	BARDOLINO DR	1.0	B	78.12
023-120-046-000	1618	ROSE CT	1.0	B	78.12
023-120-047-000	1632	ROSE CT	1.0	B	78.12
023-120-048-000	1633	LAMBRUSCO LN	1.0	B	78.12
023-120-049-000	1617	LAMBRUSCO LN	1.0	B	78.12
023-120-050-000	1601	LAMBRUSCO LN	1.0	B	78.12
023-120-051-000	2508	BRANDY WAY	1.0	B	78.12
023-120-052-000	2520	BRANDY WAY	1.0	B	78.12
023-120-053-000	2534	BRANDY WAY	1.0	B	78.12
023-120-054-000	2550	BRANDY WAY	1.0	B	78.12
023-120-055-000	2568	BRANDY WAY	1.0	B	78.12
023-120-056-000	2578	BRANDY WAY	1.0	B	78.12
023-120-057-000	2592	BRANDY WAY	1.0	B	78.12
023-120-058-000	2611	BARDOLINO DR	1.0	B	78.12
023-120-059-000	2593	BARDOLINO DR	1.0	B	78.12
023-120-060-000	2579	BARDOLINO DR	1.0	B	78.12
023-120-061-000	2569	BARDOLINO DR	1.0	B	78.12
023-120-062-000	2551	BARDOLINO DR	1.0	B	78.12
023-120-063-000	2535	BARDOLINO DR	1.0	B	78.12
023-120-064-000	2521	BARDOLINO DR	1.0	B	78.12
023-120-065-000	2507	BARDOLINO DR	1.0	B	78.12
023-120-066-000	1482	CHIANTI DR	1.0	B	78.12
023-120-067-000	1494	CHIANTI DR	1.0	B	78.12
023-120-068-000	1522	CHIANTI DR	1.0	B	78.12
023-120-069-000	1534	CHIANTI DR	1.0	B	78.12
023-120-070-000	1552	CHIANTI DR	1.0	B	78.12
023-120-071-000	1568	CHIANTI CT	1.0	B	78.12
023-120-072-000	1584	CHIANTI CT	1.0	B	78.12
023-120-073-000	1602	CHIANTI CT	1.0	B	78.12
023-120-074-000	1618	CHIANTI CT	1.0	B	78.12
023-120-075-000	1632	CHIANTI CT	1.0	B	78.12
023-120-076-000	1617	CHIANTI CT	1.0	B	78.12
023-120-077-000	1601	CHIANTI CT	1.0	B	78.12
023-120-078-000	2508	BARDOLINO DR	1.0	B	78.12
023-120-079-000	2520	BARDOLINO DR	1.0	B	78.12

**City of Livingston
BAD - Vintage West
Fiscal Year 2019/20 Preliminary Assessment Roll**

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	AREA	CHARGE (\$)
023-120-080-000	2534	BARDOLINO DR	1.0	B	78.12
023-120-081-000	1602	LAMBRUSCO LN	1.0	B	78.12
023-120-082-000	1618	LAMBRUSCO LN	1.0	B	78.12
023-120-083-000	1634	LAMBRUSCO LN	1.0	B	78.12

Summary Fields	Value
Number of Parcels to be Levied	216
Total EDUs - Area A	75.00
Total EDUs - Area B	141.00
Total Charges - Area A	\$1,839.00
Total Charges - Area B	\$11,014.92

City of Livingston
BAD - Monte Cristo
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
022-140-001-000	1325	EMERALD DR	1.0	119.24
022-140-002-000	927	RUBY WAY	1.0	119.24
022-140-003-000	919	RUBY WAY	1.0	119.24
022-140-004-000	1511	SAPPHIRE DR	1.0	119.24
022-140-005-000	1515	SAPPHIRE DR	1.0	119.24
022-140-006-000	1331	EMERALD DR	1.0	119.24
022-140-007-000	1337	EMERALD DR	1.0	119.24
022-140-008-000	907	TURQUOISE CT	1.0	119.24
022-140-009-000	901	TURQUOISE CT	1.0	119.24
022-140-010-000	904	TURQUOISE CT	1.0	119.24
022-140-011-000	910	TURQUOISE CT	1.0	119.24
022-140-012-000	1405	EMERALD DR	1.0	119.24
022-140-013-000	1411	EMERALD DR	1.0	119.24
022-140-014-000	1417	EMERALD DR	1.0	119.24
022-140-015-000	1423	EMERALD DR	1.0	119.24
022-140-016-000	1429	EMERALD DR	1.0	119.24
022-151-001-000	1521	SAPPHIRE DR	1.0	119.24
022-151-002-000	1527	SAPPHIRE DR	1.0	119.24
022-151-003-000	1533	SAPPHIRE DR	1.0	119.24
022-151-004-000	1605	SAPPHIRE DR	1.0	119.24
022-151-005-000	1611	SAPPHIRE DR	1.0	119.24
022-151-006-000	1617	SAPPHIRE DR	1.0	119.24
022-151-007-000	1623	SAPPHIRE DR	1.0	119.24
022-151-008-000	1629	SAPPHIRE DR	1.0	119.24
022-151-009-000	906	TOPAZ WAY	1.0	119.24
022-151-010-000	912	TOPAZ WAY	1.0	119.24
022-151-011-000	924	TOPAZ WAY	1.0	119.24
022-151-012-000	930	TOPAZ WAY	1.0	119.24
022-151-013-000	936	TOPAZ WAY	1.0	119.24
022-151-014-000	942	TOPAZ WAY	1.0	119.24
022-151-015-000	948	TOPAZ WAY	1.0	119.24
022-151-016-000	954	TOPAZ WAY	1.0	119.24
022-151-017-000	960	TOPAZ WAY	1.0	119.24
022-151-018-000	933	TOPAZ WAY	1.0	119.24
022-151-019-000	972	TOPAZ WAY	1.0	119.24
022-152-001-000	926	RUBY WAY	1.0	119.24
022-152-002-000	1615	EMERALD DR	1.0	119.24
022-152-003-000	1621	EMERALD DR	1.0	119.24
022-152-004-000	957	TOPAZ WAY	1.0	119.24
022-152-005-000	951	TOPAZ WAY	1.0	119.24
022-152-006-000	945	TOPAZ WAY	1.0	119.24
022-152-007-000	939	TOPAZ WAY	1.0	119.24
022-152-008-000	933	TOPAZ WAY	1.0	119.24
022-152-009-000	1622	SAPPHIRE DR	1.0	119.24
022-152-010-000	1616	SAPPHIRE DR	1.0	119.24
022-152-011-000	1610	SAPPHIRE DR	1.0	119.24
022-152-012-000	934	OPAL CT	1.0	119.24
022-152-013-000	940	OPAL CT	1.0	119.24
022-152-014-000	944	OPAL CT	1.0	119.24
022-152-015-000	946	OPAL CT	1.0	119.24
022-152-016-000	941	OPAL CT	1.0	119.24
022-152-017-000	935	OPAL CT	1.0	119.24
022-152-018-000	929	OPAL CT	1.0	119.24

**City of Livingston
BAD - Monte Cristo
Fiscal Year 2019/20 Preliminary Assessment Roll**

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
022-152-019-000	921	OPAL CT	1.0	119.24
022-152-020-000	932	RUBY WAY	1.0	119.24
022-152-021-000	938	RUBY WAY	1.0	119.24
022-152-022-000	1507	EMERALD DR	1.0	119.24
022-152-023-000	1513	EMERALD DR	1.0	119.24
022-152-024-000	1519	EMERALD DR	1.0	119.24
022-152-025-000	1525	EMERALD DR	1.0	119.24
022-152-026-000	1529	EMERALD DR	1.0	119.24
022-152-027-000	1535	EMERALD DR	1.0	119.24
022-152-028-000	1603	EMERALD DR	1.0	119.24
022-152-029-000	1609	EMERALD DR	1.0	119.24

Summary Fields	Value
Number of Parcels to be Levied	64
Total EDUs	64.00
Total Charges	\$7,631.36

City of Livingston
BAD - Monte Cristo II
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
022-131-001-000	1581	BAY MEADOW LN	1.0	119.24
022-131-002-000			1.0	119.24
022-131-003-000	1569	BAY MEADOW LN	1.0	119.24
022-131-004-000	1563	BAY MEADOW LN	1.0	119.24
022-131-005-000	1557	BAY MEADOW LN	1.0	119.24
022-131-006-000	1551	BAY MEADOW LN	1.0	119.24
022-131-007-000	725	FAIRLANE DR	1.0	119.24
022-131-008-000	731	FAIRLANE DR	1.0	119.24
022-131-009-000	737	FAIRLANE DR	1.0	119.24
022-131-010-000	745	FAIRLANE DR	1.0	119.24
022-131-011-000	751	FAIRLANE DR	1.0	119.24
022-131-012-000	1552	MONTECITO DR	1.0	119.24
022-131-013-000	1558	MONTECITO DR	1.0	119.24
022-131-014-000	1564	MONTECITO DR	1.0	119.24
022-131-015-000	1570	MONTECITO DR	1.0	119.24
022-131-016-000	1576	MONTECITO DR	1.0	119.24
022-131-017-000	1582	MONTECITO DR	1.0	119.24
022-131-018-000	1588	MONTECITO DR	1.0	119.24
022-131-019-000	750	KENSINGTON DR	1.0	119.24
022-131-020-000	744	KENSINGTON DR	1.0	119.24
022-131-021-000	738	KENSINGTON	1.0	119.24
022-131-022-000	1588	BAY MEADOW LN	1.0	119.24
022-131-023-000	1594	BAY MEADOW LN	1.0	119.24
022-132-001-000	1587	BAY MEADOW LN	1.0	119.24
022-132-002-000	1593	BAY MEADOW LN	1.0	119.24
022-133-001-000	726	FAIRLANE DR	1.0	119.24
022-133-002-000	732	FAIRLANE DR	1.0	119.24
022-133-003-000	738	FAIRLANE DR	1.0	119.24
022-133-004-000	1571	MONTECITO DR	1.0	119.24
022-133-005-000	739	KENSINGTON DR	1.0	119.24
022-133-006-000	733	KENSINGTON DR	1.0	119.24
022-133-007-000	727	KENSINGTON DR	1.0	119.24
022-133-008-000	1572	BAY MEADOW LN	1.0	119.24
022-161-001-000	1599	BAY MEADOW LN	1.0	119.24
022-161-002-000	1605	BAY MEADOW LN	1.0	119.24
022-161-003-000	1611	BAY MEADOW LN	1.0	119.24
022-161-004-000	1617	BAY MEADOW LN	1.0	119.24
022-161-005-000	1623	BAY MEADOW LN	1.0	119.24
022-161-006-000	1629	BAY MEADOW LN	1.0	119.24
022-161-007-000	1635	BAY MEADOW LN	1.0	119.24
022-161-008-000	1641	BAY MEADOW LN	1.0	119.24
022-161-009-000	720	CAMBRIA PL	1.0	119.24
022-161-010-000	726	CAMBRIA PL	1.0	119.24
022-161-011-000	732	CAMBRIA PL	1.0	119.24
022-161-012-000	738	CAMBRIA PL	1.0	119.24
022-161-013-000	744	CAMBRIA PL	1.0	119.24
022-162-001-000	728	OAKHURST PL	1.0	119.24
022-162-002-000	734	OAKHURST PL	1.0	119.24
022-162-003-000	740	OAKHURST PL	1.0	119.24
022-162-004-000	1623	JANTZ DR	1.0	119.24
022-162-005-000	741	CAMBRIA PL	1.0	119.24
022-162-006-000	735	CAMBRIA PL	1.0	119.24
022-162-007-000	729	CAMBRIA PL	1.0	119.24

**City of Livingston
BAD - Monte Cristo II
Fiscal Year 2019/20 Preliminary Assessment Roll**

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
022-162-008-000	1628	BAY MEADOW LN	1.0	119.24
022-163-001-000	1600	BAY MEADOW LN	1.0	119.24
022-163-002-000	733	OAKHURST PL	1.0	119.24
022-163-003-000	739	OAKHURST PL	1.0	119.24
022-163-004-000	745	OAKHURST PL	1.0	119.24
022-163-005-000	1608	JANTZ DR	1.0	119.24
022-163-006-000	1614	JANTZ DR	1.0	119.24
022-163-007-000	1620	JANTZ DR	1.0	119.24
022-163-008-000	1626	JANTZ DR	1.0	119.24
022-163-009-000	1632	JANTZ DR	1.0	119.24
022-163-010-000	1638	JANTZ DR	1.0	119.24
022-163-011-000	1644	JANTZ DR	1.0	119.24
022-163-012-000	1650	JANTZ DR	1.0	119.24

Summary Fields	Value
Number of Parcels to be Levied	66
Total EDUs	66.00
Total Charges	\$7,869.84

City of Livingston
BAD - Vinewood Estates
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
022-030-002-000	611	RAVENSWOOD DR	1.0	44.58
022-030-003-000	629	RAVENSWOOD DR	1.0	44.58
022-030-004-000	647	RAVENSWOOD DR	1.0	44.58
022-030-005-000	665	RAVENSWOOD DR	1.0	44.58
022-030-006-000	683	RAVENSWOOD DR	1.0	44.58
022-030-007-000	707	RAVENSWOOD DR	1.0	44.58
022-030-008-000	713	RAVENSWOOD DR	1.0	44.58
022-030-009-000	719	RAVENSWOOD DR	1.0	44.58
022-030-010-000	725	RAVENSWOOD DR	1.0	44.58
022-030-011-000	731	RAVENSWOOD DR	1.0	44.58
022-030-012-000	712	RAVENSWOOD DR	1.0	44.58
022-030-013-000	664	RAVENSWOOD DR	1.0	44.58
022-030-014-000	646	RAVENSWOOD DR	1.0	44.58
022-030-015-000	628	RAVENSWOOD DR	1.0	44.58
022-030-016-000	610	RAVENSWOOD DR	1.0	44.58
022-030-017-000	611	ALMONDWOOD DR	1.0	44.58
022-030-018-000	629	ALMONDWOOD DR	1.0	44.58
022-030-019-000	647	ALMONDWOOD DR	1.0	44.58
022-030-020-000	665	ALMONDWOOD DR	1.0	44.58
022-030-021-000	680	CHERRYWOOD WA\	1.0	44.58
022-030-022-000	625	BRIARWOOD DR	1.0	44.58
022-030-023-000	624	BRIARWOOD DR	1.0	44.58
022-030-024-000	720	CHERRYWOOD CT	1.0	44.58
022-030-025-000	732	CHERRYWOOD CT	1.0	44.58
022-030-026-000	744	CHERRYWOOD CT	1.0	44.58
022-030-027-000	756	CHERRYWOOD CT	1.0	44.58
022-030-028-000	757	CHERRYWOOD CT	1.0	44.58
022-030-029-000	745	CHERRYWOOD CT	1.0	44.58
022-030-030-000	733	CHERRYWOOD CT	1.0	44.58
022-030-031-000	721	CHERRYWOOD CT	1.0	44.58
022-030-032-000	576	BRIARWOOD DR	1.0	44.58
022-030-033-000	550	BRIARWOOD DR	1.0	44.58
022-041-001-000	737	RAVENSWOOD DR	1.0	44.58
022-041-002-000	743	RAVENSWOOD DR	1.0	44.58
022-041-003-000	749	RAVENSWOOD DR	1.0	44.58
022-041-004-000	755	RAVENSWOOD DR	1.0	44.58
022-041-005-000	761	RAVENSWOOD DR	1.0	44.58
022-041-006-000	767	RAVENSWOOD DR	1.0	44.58
022-041-007-000	773	RAVENSWOOD DR	1.0	44.58
022-041-008-000	779	RAVENSWOOD DR	1.0	44.58
022-041-009-000	556	ELMWOOD WAY	1.0	44.58
022-041-010-000	568	ELMWOOD WAY	1.0	44.58
022-041-011-000	580	ELMWOOD WAY	1.0	44.58
022-041-012-000	592	ELMWOOD WAY	1.0	44.58
022-041-013-000	593	F ST	1.0	44.58
022-041-014-000	581	F ST	1.0	44.58
022-041-015-000	569	F ST	1.0	44.58
022-041-016-000	557	F ST	1.0	44.58
022-042-001-000	718	RAVENSWOOD DR	1.0	44.58
022-042-002-000	724	RAVENSWOOD DR	1.0	44.58
022-042-003-000	730	RAVENSWOOD DR	1.0	44.58
022-042-004-000	736	RAVENSWOOD DR	1.0	44.58
022-042-005-000	742	RAVENSWOOD DR	1.0	44.58

City of Livingston
BAD - Vinewood Estates
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
022-042-006-000	748	RAVENSWOOD DR	1.0	44.58
022-042-007-000	754	RAVENSWOOD DR	1.0	44.58
022-042-008-000	581	ELMWOOD WAY	1.0	44.58
022-042-009-000	593	ELMWOOD WAY	1.0	44.58
022-042-010-000	731	ALMONDWOOD DR	1.0	44.58
022-042-011-000	725	ALMONDWOOD DR	1.0	44.58
022-042-012-000	719	ALMONDWOOD DR	1.0	44.58
022-042-013-000	713	ALMONDWOOD DR	1.0	44.58
022-042-014-000	707	ALMONDWOOD DR	1.0	44.58
022-043-001-000	657	OAKWOOD WAY	1.0	44.58
022-043-002-000	669	OAKWOOD WAY	1.0	44.58
022-043-003-000	681	OAKWOOD WAY	1.0	44.58
022-043-004-000	675	BRIARWOOD DR	1.0	44.58
022-043-005-000	651	BRIARWOOD DR	1.0	44.58
022-044-001-000	724	ALMONDWOOD DR	1.0	44.58
022-044-002-000	750	ALMONDWOOD DR	1.0	44.58
022-044-003-000	632	OAKWOOD WAY	1.0	44.58
022-044-004-000	644	OAKWOOD WAY	1.0	44.58
022-044-005-000	656	OAKWOOD WAY	1.0	44.58
022-044-006-000	668	OAKWOOD WAY	1.0	44.58
022-044-007-000	680	OAKWOOD WAY	1.0	44.58
022-044-008-000	692	OAKWOOD WAY	1.0	44.58
022-044-009-000	693	ELMWOOD WAY	1.0	44.58
022-044-010-000	681	ELMWOOD WAY	1.0	44.58
022-044-011-000	669	ELMWOOD WAY	1.0	44.58
022-044-012-000	657	ELMWOOD WAY	1.0	44.58
022-044-013-000	645	ELMWOOD WAY	1.0	44.58
022-044-014-000	633	ELMWOOD WAY	1.0	44.58
022-044-015-000	621	ELMWOOD WAY	1.0	44.58
022-044-016-000	609	ELMWOOD WAY	1.0	44.58
022-045-001-000	608	ELMWOOD WAY	1.0	44.58
022-045-002-000	620	ELMWOOD WAY	1.0	44.58
022-045-003-000	632	ELMWOOD WAY	1.0	44.58
022-045-004-000	644	ELMWOOD WAY	1.0	44.58
022-045-005-000	656	ELMWOOD WAY	1.0	44.58
022-045-006-000	668	ELMWOOD WAY	1.0	44.58
022-045-007-000	680	ELMWOOD WAY	1.0	44.58
022-045-008-000	692	ELMWOOD WAY	1.0	44.58
022-045-009-000	693	F ST	1.0	44.58
022-045-010-000	681	F ST	1.0	44.58
022-045-011-000	669	F ST	1.0	44.58
022-045-012-000	657	F ST	1.0	44.58
022-045-013-000	645	F ST	1.0	44.58
022-045-014-000	633	F ST	1.0	44.58
022-045-015-000	621	F ST	1.0	44.58
022-045-016-000	609	F ST	1.0	44.58
022-046-001-000	650	BRIARWOOD DR	1.0	44.58
022-046-002-000	676	BRIARWOOD DR	1.0	44.58
022-046-003-000	721	OAKWOOD CT	1.0	44.58
022-046-004-000	733	OAKWOOD CT	1.0	44.58
022-046-005-000	745	OAKWOOD CT	1.0	44.58
022-046-006-000	757	OAKWOOD CT	1.0	44.58
022-046-007-000	756	OAKWOOD CT	1.0	44.58

**City of Livingston
BAD - Vinewood Estates
Fiscal Year 2019/20 Preliminary Assessment Roll**

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
022-046-008-000	744	OAKWOOD CT	1.0	44.58
022-046-009-000	732	OAKWOOD CT	1.0	44.58
022-046-010-000	720	OAKWOOD CT	1.0	44.58
022-046-011-000	724	BRIARWOOD DR	1.0	44.58
022-046-012-000	750	BRIARWOOD DR	1.0	44.58
022-046-013-000	776	BRIARWOOD DR	1.0	44.58
022-046-014-000	721	ELMWOOD CT	1.0	44.58
022-046-015-000	733	ELMWOOD CT	1.0	44.58
022-046-016-000	745	ELMWOOD CT	1.0	44.58
022-046-017-000	757	ELMWOOD CT	1.0	44.58
022-046-020-000	732	ELMWOOD CT	1.0	44.58
022-046-021-000	720	ELMWOOD CT	1.0	44.58
022-046-022-000	824	BRIARWOOD DR	1.0	44.58
022-046-023-000	850	BRIARWOOD DR	1.0	44.58
022-046-024-000	876	BRIARWOOD DR	1.0	44.58
022-046-025-000	721	F ST	1.0	44.58
022-046-026-000	733	F ST	1.0	44.58

Summary Fields	Value
Number of Parcels to be Levied	123
Total EDUs	123.00
Total Charges	\$5,483.34

City of Livingston
BAD - Vinewood Estates II
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
022-030-036-000	505	BRIARWOOD DR	1.0	66.40
022-030-037-000	513	BRIARWOOD DR	1.0	66.40
022-030-038-000	521	BRIARWOOD DR	1.0	66.40
022-030-039-000	529	BRIARWOOD DR	1.0	66.40
022-030-040-000	537	BRIARWOOD DR	1.0	66.40
022-030-041-000	545	BRIARWOOD DR	1.0	66.40
022-030-042-000			1.0	66.40
022-030-043-000	639	CHERRYWOOD WAY	1.0	66.40
022-030-044-000	629	CHERRYWOOD WAY	1.0	66.40
022-030-045-000	621	CHERRYWOOD WAY	1.0	66.40
022-030-046-000	308	W RAVENSWOOD CT	1.0	66.40
022-030-047-000	602	W RAVENSWOOD CT	1.0	66.40
022-030-048-000	601	E RAVENSWOOD CT	1.0	66.40
022-030-049-000	607	E RAVENSWOOD CT	1.0	66.40
022-030-050-000	609	E RAVENSWOOD CT	1.0	66.40

Summary Fields	Value
Number of Parcels to be Levied	15
Total EDUs	15.00
Total Charges	\$996.00

City of Livingston
BAD - Kensington Park South
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
023-100-050-000	2797	COLLEEN CT	1.0	31.82
023-100-051-000	2783	COLLEEN CT	1.0	31.82
023-100-052-000	2769	COLLEEN CT	1.0	31.82
023-100-053-000	2755	COLLEEN CT	1.0	31.82
023-100-054-000	2741	COLLEEN CT	1.0	31.82
023-100-055-000	2740	COLLEEN CT	1.0	31.82
023-100-056-000	2754	COLLEEN CT	1.0	31.82
023-100-057-000	2768	COLLEEN CT	1.0	31.82
023-100-058-000	2782	COLLEEN CT	1.0	31.82
023-100-059-000	2796	COLLEEN CT	1.0	31.82
023-100-060-000	2775	CLARET CIR	1.0	31.82
023-100-061-000	2761	CLARET CIR	1.0	31.82
023-100-062-000	2747	CLARET CIR	1.0	31.82
023-100-063-000	2733	CLARET CIR	1.0	31.82
023-100-064-000	2719	CLARET CIR	1.0	31.82
023-100-065-000	2705	CLARET CIR	1.0	31.82
023-100-066-000	2691	CLARET CIR	1.0	31.82
023-100-067-000	2677	CLARET CIR	1.0	31.82
023-100-068-000	2663	CLARET CIR	1.0	31.82
023-100-069-000	2649	CLARET CIR	1.0	31.82
023-100-070-000	2648	CLARET CIR	1.0	31.82
023-100-071-000	2662	CLARET CIR	1.0	31.82
023-100-072-000	2676	CLARET CIR	1.0	31.82
023-100-073-000	2690	CLARET CIR	1.0	31.82
023-100-074-000	2704	CLARET CIR	1.0	31.82
023-100-075-000	2718	CLARET CIR	1.0	31.82
023-100-076-000	2732	CLARET CIR	1.0	31.82
023-100-077-000	2746	CLARET CIR	1.0	31.82
023-100-078-000	2760	CLARET CIR	1.0	31.82
023-100-079-000	2774	CLARET CIR	1.0	31.82

Summary Fields	Value
Number of Parcels to be Levied	30
Total EDUs	30.00
Total Charges	\$954.60

City of Livingston
BAD - Bridgeport
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
022-073-001-000	901	MISTY HARBOUR DR	1.0	120.72
022-073-002-000	913	MISTY HARBOUR DR	1.0	120.72
022-073-003-000	923	MISTY HARBOUR DR	1.0	120.72
022-073-004-000	933	MISTY HARBOUR DR	1.0	120.72
022-073-005-000	943	MISTY HARBOUR DR	1.0	120.72
022-073-006-000	953	MISTY HARBOUR DR	1.0	120.72
022-073-007-000	963	MISTY HARBOUR DR	1.0	120.72
022-073-008-000	973	MISTY HARBOUR DR	1.0	120.72
022-073-009-000	983	MISTY HARBOUR DR	1.0	120.72
022-074-001-000	900	MISTY HARBOUR DR	1.0	120.72
022-074-002-000	903	BRIDGEPORT AVE	1.0	120.72
022-074-003-000	915	BRIDGEPORT AVE	1.0	120.72
022-074-004-000	925	BRIDGEPORT AVE	1.0	120.72
022-074-005-000	935	BRIDGEPORT AVE	1.0	120.72
022-074-006-000	945	BRIDGEPORT AVE	1.0	120.72
022-074-007-000	955	BRIDGEPORT AVE	1.0	120.72
022-074-008-000	965	BRIDGEPORT AVE	1.0	120.72
022-074-009-000	975	BRIDGEPORT AVE	1.0	120.72
022-074-010-000	985	BRIDGEPORT AVE	1.0	120.72
022-074-011-000	980	MISTY HARBOUR DR	1.0	120.72
022-074-012-000	970	MISTY HARBOUR DR	1.0	120.72
022-074-013-000	960	MISTY HARBOUR DR	1.0	120.72
022-074-014-000	950	MISTY HARBOUR DR	1.0	120.72
022-074-015-000	940	MISTY HARBOUR DR	1.0	120.72
022-074-016-000	930	MISTY HARBOUR DR	1.0	120.72
022-074-017-000	920	MISTY HARBOUR DR	1.0	120.72
022-074-018-000	910	MISTY HARBOUR DR	1.0	120.72
022-075-001-000	902	BRIDGEPORT AVE	1.0	120.72
022-075-002-000	912	BRIDGEPORT AVE	1.0	120.72
022-075-003-000	922	BRIDGEPORT AVE	1.0	120.72
022-075-004-000	932	BRIDGEPORT AVE	1.0	120.72
022-075-005-000	942	BRIDGEPORT AVE	1.0	120.72
022-075-006-000	952	BRIDGEPORT AVE	1.0	120.72
022-075-007-000	962	BRIDGEPORT AVE	1.0	120.72
022-075-008-000	972	BRIDGEPORT AVE	1.0	120.72
022-075-009-000	982	BRIDGEPORT AVE	1.0	120.72
022-101-001-000	1033	MISTY HARBOUR DR	1.0	120.72
022-101-002-000	1043	MISTY HARBOUR DR	1.0	120.72
022-101-003-000	1053	MISTY HARBOUR DR	1.0	120.72
022-101-004-000	1063	MISTY HARBOUR DR	1.0	120.72
022-101-005-000	1073	MISTY HARBOUR DR	1.0	120.72
022-101-006-000	1023	MISTY HARBOUR DR	1.0	120.72
022-101-007-000	1013	MISTY HARBOUR DR	1.0	120.72
022-101-008-000	1003	MISTY HARBOUR DR	1.0	120.72
022-101-009-000	993	MISTY HARBOUR DR	1.0	120.72
022-102-001-000	521	SEAPORT VILLAGE DF	1.0	120.72
022-102-002-000	541	SEAPORT VILLAGE DF	1.0	120.72
022-102-003-000	551	SEAPORT VILLAGE DF	1.0	120.72
022-102-004-000	1015	BRIDGEPORT AVE	1.0	120.72
022-102-005-000	1005	BRIDGEPORT AVE	1.0	120.72
022-102-006-000	995	BRIDGEPORT AVE	1.0	120.72
022-102-007-000	990	MISTY HARBOUR DR	1.0	120.72
022-102-008-000	1000	MISTY HARBOUR DR	1.0	120.72

**City of Livingston
BAD - Bridgeport
Fiscal Year 2019/20 Preliminary Assessment Roll**

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
022-102-009-000	1010	MISTY HARBOUR DR	1.0	120.72
022-103-001-000	520	SEAPORT VILLAGE DF	1.0	120.72
022-103-002-000	530	SEAPORT VILLAGE DF	1.0	120.72
022-103-003-000	540	SEAPORT VILLAGE DF	1.0	120.72
022-103-004-000	550	SEAPORT VILLAGE DF	1.0	120.72
022-103-005-000	560	SEAPORT VILLAGE DF	1.0	120.72
022-103-006-000	570	SEAPORT VILLAGE DF	1.0	120.72
022-103-007-000	577	MONT CLIFF WAY	1.0	120.72
022-103-008-000	567	MONT CLIFF WAY	1.0	120.72
022-103-009-000	557	MONT CLIFF WAY	1.0	120.72
022-103-010-000	547	MONT CLIFF WAY	1.0	120.72
022-103-011-000	537	MONT CLIFF WAY	1.0	120.72
022-103-012-000	527	MONT CLIFF WAY	1.0	120.72
022-103-013-000	580	SEAPORT VILLAGE DF	1.0	120.72
022-103-014-000	587	MONT CLIFF WAY	1.0	120.72
022-104-001-000	502	MONT CLIFF WAY	1.0	120.72
022-104-002-000	512	MONT CLIFF WAY	1.0	120.72
022-104-003-000	522	MONT CLIFF WAY	1.0	120.72
022-104-004-000	532	MONT CLIFF WAY	1.0	120.72
022-104-005-000	542	MONT CLIFF WAY	1.0	120.72
022-104-006-000	552	MONT CLIFF WAY	1.0	120.72
022-104-007-000	562	MONT CLIFF WAY	1.0	120.72
022-104-008-000	572	MONT CLIFF WAY	1.0	120.72
022-104-009-000	582	MONT CLIFF WAY	1.0	120.72
022-107-001-000			1.0	120.72
022-107-002-000	1002	BRIDGEPORT AVE	1.0	120.72
022-107-003-000	1012	BRIDGEPORT AVE	1.0	120.72
022-107-004-000	1022	BRIDGEPORT AVE	1.0	120.72
022-107-005-000	1032	BRIDGEPORT AVE	1.0	120.72

Summary Fields	Value
Number of Parcels to be Levied	82
Total EDUs	82.00
Total Charges	\$9,899.04

City of Livingston
BAD - Davante Villas
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
022-081-001-000			1.0	122.40
022-081-002-000	912	BRIARWOOD DR	1.0	122.40
022-081-003-000	922	BRIARWOOD DR	1.0	122.40
022-081-004-000	938	BRIARWOOD DR	1.0	122.40
022-081-005-000	952	BRIARWOOD DR	1.0	122.40
022-081-006-000	951	DALLAS CT	1.0	122.40
022-081-007-000	935	DALLAS CT	1.0	122.40
022-081-008-000	925	DALLAS CT	1.0	122.40
022-081-009-000	915	DALLAS CT	1.0	122.40
022-081-010-000	903	DALLAS CT	1.0	122.40
022-081-011-000	902	DALLAS CT	1.0	122.40
022-081-012-000	912	DALLAS CT	1.0	122.40
022-081-013-000	922	DALLAS CT	1.0	122.40
022-081-014-000	938	DALLAS CT	1.0	122.40
022-081-015-000			1.0	122.40
022-081-016-000	951	MONTELENA CT	1.0	122.40
022-081-017-000	935	MONTELENA CT	1.0	122.40
022-081-018-000	925	MONTELENA CT	1.0	122.40
022-081-019-000	915	MONTELENA CT	1.0	122.40
022-081-020-000	903	MONTELENA CT	1.0	122.40
022-081-021-000	902	MONTELENA CT	1.0	122.40
022-081-022-000	912	MONTELENA CT	1.0	122.40
022-081-023-000	922	MONTELENA CT	1.0	122.40
022-081-024-000	938	MONTELENA CT	1.0	122.40
022-081-025-000	952	MONTELENA CT	1.0	122.40
022-081-026-000	951	CHASTANET CT	1.0	122.40
022-081-027-000	935	CHASTANET CT	1.0	122.40
022-081-028-000	925	CHASTANET CT	1.0	122.40
022-081-029-000	915	CHASTANET CT	1.0	122.40
022-081-030-000	901	CHASTANET CT	1.0	122.40
022-081-031-000	902	CHASTANET CT	1.0	122.40
022-081-032-000			1.0	122.40
022-081-033-000			1.0	122.40
022-081-034-000	912	CHASTANET CT	1.0	122.40
022-081-035-000	922	CHASTANET CT	1.0	122.40
022-081-036-000			1.0	122.40
022-081-037-000			1.0	122.40
022-081-038-000	938	CHASTANET CT	1.0	122.40
022-081-039-000			1.0	122.40
022-081-040-000	952	CHASTANET CT	1.0	122.40
022-081-041-000			1.0	122.40
022-081-042-000	962	CHASTANET CT	1.0	122.40
022-081-043-000			1.0	122.40
022-081-044-000			1.0	122.40
022-081-045-000	888	VINE CLIFF WAY	1.0	122.40
022-081-046-000	876	VINE CLIFF WAY	1.0	122.40
022-081-047-000	864	VINE CLIFF WAY	1.0	122.40
022-081-048-000	852	VINE CLIFF WAY	1.0	122.40
022-081-049-000	840	VINE CLIFF WAY	1.0	122.40
022-081-050-000	839	CHANDON CT	1.0	122.40
022-081-051-000	851	CHANDON CT	1.0	122.40
022-081-052-000	863	CHANDON CT	1.0	122.40
022-081-053-000	875	CHANDON CT	1.0	122.40
022-081-054-000	887	CHANDON CT	1.0	122.40

City of Livingston
BAD - Davante Villas
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
022-081-055-000	893	CHANDON CT	1.0	122.40
022-081-056-000	897	CHANDON CT	1.0	122.40
022-081-057-000	898	CHANDON CT	1.0	122.40
022-081-058-000	894	CHANDON CT	1.0	122.40
022-081-059-000	888	CHANDON CT	1.0	122.40
022-081-060-000	876	CHANDON CT	1.0	122.40
022-081-061-000	864	CHANDON CT	1.0	122.40
022-081-062-000	852	CHANDON CT	1.0	122.40
022-081-063-000			1.0	122.40
022-082-001-000	975	MONTELENA AVE	1.0	122.40
022-082-002-000			1.0	122.40
022-082-003-000	995	MONTELENA AVE	1.0	122.40
022-082-004-000	1005	MONTELENA AVE	1.0	122.40
022-082-005-000	1015	MONTELENA AVE	1.0	122.40
022-082-006-000	1025	MONTELENA AVE	1.0	122.40
022-082-007-000	992	DALLAS DR	1.0	122.40
022-082-008-000	982	DALLAS DR	1.0	122.40
022-082-009-000	972	DALLAS DR	1.0	122.40
022-083-001-000	975	DALLAS DR	1.0	122.40
022-083-002-000	985	DALLAS DR	1.0	122.40
022-083-003-000	995	DALLAS DR	1.0	122.40
022-083-004-000	992	BRIARWOOD DR	1.0	122.40
022-083-005-000	982	BRIARWOOD DR	1.0	122.40
022-083-006-000	972	BRIARWOOD DR	1.0	122.40
022-084-001-000	656	F ST	1.0	122.40
022-084-002-000	668	F ST	1.0	122.40
022-084-003-000	903	BRIARWOOD DR	1.0	122.40
022-084-004-000	915	BRIARWOOD DR	1.0	122.40
022-084-005-000	925	BRIARWOOD DR	1.0	122.40
022-084-006-000	669	MIADORA CT	1.0	122.40
022-084-007-000	657	MIADORA CT	1.0	122.40
022-084-008-000	656	MIADORA CT	1.0	122.40
022-084-009-000	668	MIADORA CT	1.0	122.40
022-084-010-000	680	MIADORA CT	1.0	122.40
022-084-011-000	965	BRIARWOOD DR	1.0	122.40
022-084-012-000	975	BRIARWOOD DR	1.0	122.40
022-084-013-000	687	CALERO CT	1.0	122.40
022-084-014-000	669	CALERO CT	1.0	122.40
022-084-015-000	657	CALERO CT	1.0	122.40
022-091-001-000	1035	MONTELENA AVE	1.0	122.40
022-091-002-000	1045	MONTELENA AVE	1.0	122.40
022-091-003-000	1055	MONTELENA AVE	1.0	122.40
022-091-004-000	1065	MONTELENA AVE	1.0	122.40
022-091-005-000	1075	MONTELENA AVE	1.0	122.40
022-091-006-000	1072	DALLAS DR	1.0	122.40
022-091-007-000	1062	DALLAS DR	1.0	122.40
022-091-008-000	1052	DALLAS DR	1.0	122.40
022-091-009-000	1042	DALLAS DR	1.0	122.40
022-091-010-000	1032	DALLAS DR	1.0	122.40
022-091-011-000	1022	DALLAS DR	1.0	122.40
022-091-012-000	1012	DALLAS DR	1.0	122.40
022-091-013-000	1002	DALLAS DR	1.0	122.40
022-092-001-000			1.0	122.40
022-092-002-000			1.0	122.40

City of Livingston
BAD - Davante Villas
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
022-092-003-000			1.0	122.40
022-092-004-000			1.0	122.40
022-092-005-000			1.0	122.40
022-092-006-000			1.0	122.40
022-092-007-000			1.0	122.40
022-092-008-000			1.0	122.40
022-092-009-000			1.0	122.40
022-092-010-000	1072	AMARONE WAY	1.0	122.40
022-093-002-000			1.0	122.40
022-093-003-000			1.0	122.40
022-093-004-000	772	MONT CLIFF WAY	1.0	122.40
022-093-005-000	762	MONT CLIFF WAY	1.0	122.40
022-093-006-000	752	MONT CLIFF WAY	1.0	122.40
022-093-007-000	742	MONT CLIFF WAY	1.0	122.40
022-093-008-000	732	MONT CLIFF WAY	1.0	122.40
022-093-009-000	722	MONT CLIFF WAY	1.0	122.40
022-093-010-000	712	MONT CLIFF WAY	1.0	122.40
022-094-001-000	656	CALERO CT	1.0	122.40
022-094-002-000	668	CALERO CT	1.0	122.40
022-094-003-000	1003	BRIARWOOD DR	1.0	122.40
022-094-004-000	1013	BRIARWOOD DR	1.0	122.40
022-094-005-000	1023	BRIARWOOD DR	1.0	122.40
022-094-006-000	669	SEAPORT VILLAGE DR	1.0	122.40
022-094-007-000	657	SEAPORT VILLAGE DR	1.0	122.40
022-095-001-000	1005	DALLAS DR	1.0	122.40
022-095-002-000	1015	DALLAS DR	1.0	122.40
022-095-003-000	1025	DALLAS DR	1.0	122.40
022-095-004-000	1035	DALLAS DR	1.0	122.40
022-095-005-000	1045	DALLAS DR	1.0	122.40
022-095-006-000	1055	DALLAS DR	1.0	122.40
022-095-007-000	1065	DALLAS DR	1.0	122.40
022-095-008-000	1075	DALLAS DR	1.0	122.40
022-095-009-000	1072	BRIARWOOD DR	1.0	122.40
022-095-010-000	1062	BRIARWOOD DR	1.0	122.40
022-095-011-000	1052	BRIARWOOD DR	1.0	122.40
022-095-012-000	1042	BRIARWOOD DR	1.0	122.40
022-095-013-000	1032	BRIARWOOD DR	1.0	122.40
022-095-014-000	1022	BRIARWOOD DR	1.0	122.40
022-095-015-000	1012	BRIARWOOD DR	1.0	122.40
022-095-016-000	1002	BRIARWOOD DR	1.0	122.40
022-096-001-000	656	SEAPORT VILLAGE DR	1.0	122.40
022-096-002-000	668	SEAPORT VILLAGE DR	1.0	122.40
022-096-003-000	1053	BRIARWOOD DR	1.0	122.40
022-096-004-000	1063	BRIARWOOD DR	1.0	122.40
022-096-005-000	1073	BRIARWOOD DR	1.0	122.40

Summary Fields	Value
Number of Parcels to be Levied	153
Total EDUs	153.00
Total Charges	\$18,727.20

City of Livingston
BAD-Strawberry Fields
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
022-096-006-000	669	MONT CLIFF WAY	1.0	120.72
022-096-007-000	657	MONT CLIFF WAY	1.0	120.72
022-097-001-000	650	MONT CLIFF WAY	1.0	120.72
022-097-002-000	660	MONT CLIFF WAY	1.0	120.72
022-097-003-000	670	MONT CLIFF WAY	1.0	120.72
022-097-004-000	684	MONT CLIFF WAY	1.0	120.72

Summary Fields	Value
Number of Parcels to be Levied	6
Total EDUs	6.00
Total Charges	\$724.32

City of Livingston
BAD - Sundance (Country Villas)
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
143-291-001-000	2881	TULARE CT	1.0	119.20
143-291-002-000	2873	TULARE CT	1.0	119.20
143-291-003-000	2865	TULARE CT	1.0	119.20
143-291-004-000	2859	TULARE ST	1.0	119.20
143-291-005-000	2849	TULARE ST	1.0	119.20
143-291-006-000	2841	TULARE CT	1.0	119.20
143-291-007-000	2835	TULARE CT	1.0	119.20
143-291-008-000	2827	TULARE CT	1.0	119.20
143-291-009-000	2825	TULARE CT	1.0	119.20
143-291-010-000	2828	TULARE CT	1.0	119.20
143-291-011-000	2836	TULARE CT	1.0	119.20
143-291-012-000	2842	TULARE CT	1.0	119.20
143-291-013-000	2850	TULARE CT	1.0	119.20
143-291-014-000	2860	TULARE CT	1.0	119.20
143-291-015-000	2866	TULARE CT	1.0	119.20
143-291-016-000	2874	TULARE CT	1.0	119.20
143-291-017-000	2882	TULARE ST	1.0	119.20
143-291-018-000	2883	FRANQUETTE CT	1.0	119.20
143-291-019-000	2875	FRANQUETTE CT	1.0	119.20
143-291-020-000	2867	FRANQUETTE CT	1.0	119.20
143-291-021-000	2861	FRANQUETTE CT	1.0	119.20
143-291-022-000	2851	FRANQUETTE CT	1.0	119.20
143-291-023-000	2843	FRANQUETTE CT	1.0	119.20
143-291-024-000	2837	FRANQUETTE CT	1.0	119.20
143-291-025-000	2829	FRANQUETTE CT	1.0	119.20
143-291-026-000	2827	FRANQUETTE CT	1.0	119.20
143-291-027-000	2830	FRANQUETTE CT	1.0	119.20
143-291-028-000	2838	FRANQUETTE CT	1.0	119.20
143-291-029-000	2844	FRANQUETTE CT	1.0	119.20
143-291-030-000	2852	FRANQUETTE CT	1.0	119.20
143-291-031-000	2862	FRANQUETTE CT	1.0	119.20
143-291-032-000	2868	FRANQUETTE CT	1.0	119.20
143-291-033-000	2876	FRANQUETTE CT	1.0	119.20
143-291-034-000	2884	FRANQUETTE CT	1.0	119.20
143-291-035-000	2885	TEHAMA DR	1.0	119.20
143-291-036-000	2871	TEHAMA DR	1.0	119.20
143-291-037-000	2861	TEHAMA DR	1.0	119.20
143-291-038-000	2853	TEHAMA DR	1.0	119.20
143-291-039-000	2845	TEHAMA DR	1.0	119.20
143-291-040-000	2839	TEHAMA DR	1.0	119.20
143-291-041-000	2831	TEHAMA DR	1.0	119.20
143-291-042-000	2823	TEHAMA DR	1.0	119.20
143-291-043-000	2817	TEHAMA DR	1.0	119.20
143-292-001-000	549	VINA CT	1.0	119.20
143-293-001-000	548	VINA CT	1.0	119.20
143-293-002-000	551	CHANDLER CT	1.0	119.20
143-294-001-000	550	CHANDLER CT	1.0	119.20
143-294-002-000	549	ALDRICH AVE	1.0	119.20
143-295-001-000	2909	TULARE ST	1.0	119.20
143-295-002-000	2917	TULARE ST	1.0	119.20
143-295-003-000	2923	TULARE ST	1.0	119.20
143-295-004-000	2931	TULARE ST	1.0	119.20
143-295-005-000	2937	TULARE ST	1.0	119.20

City of Livingston
BAD - Sundance (Country Villas)
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
143-295-006-000	2945	TULARE ST	1.0	119.20
143-295-007-000	2953	TULARE ST	1.0	119.20
143-295-008-000	2959	TULARE ST	1.0	119.20
143-295-009-000	2965	TULARE ST	1.0	119.20
143-295-010-000	650	SERR AVE	1.0	119.20
143-295-011-000	644	SERR AVE	1.0	119.20
143-295-012-000	636	SERR AVE	1.0	119.20
143-295-013-000	630	SERR AVE	1.0	119.20
143-295-014-000	622	SERR AVE	1.0	119.20
143-295-015-000	616	SERR AVE	1.0	119.20
143-295-016-000	608	SERR AVE	1.0	119.20
143-295-017-000	602	SERR AVE	1.0	119.20
143-296-001-000	2910	TULARE ST	1.0	119.20
143-296-002-000	2911	FRANQUETTE ST	1.0	119.20
143-296-003-000	2919	FRANQUETTE ST	1.0	119.20
143-296-004-000	2925	FRANQUETTE ST	1.0	119.20
143-296-005-000	2933	FRANQUETTE ST	1.0	119.20
143-296-006-000	2941	FRANQUETTE ST	1.0	119.20
143-296-007-000	2949	FRANQUETTE ST	1.0	119.20
143-296-008-000	2955	FRANQUETTE ST	1.0	119.20
143-296-009-000	2954	TULARE ST	1.0	119.20
143-296-010-000	2946	TULARE ST	1.0	119.20
143-296-011-000	2938	TULARE ST	1.0	119.20
143-296-012-000	2932	TULARE ST	1.0	119.20
143-296-013-000	2924	TULARE ST	1.0	119.20
143-296-014-000	2918	TULARE ST	1.0	119.20
143-297-001-000	2912	FRANQUETTE ST	1.0	119.20
143-297-002-000	2913	TEHAMA DR	1.0	119.20
143-297-003-000	2921	TEHAMA DR	1.0	119.20
143-297-004-000	2927	TEHAMA DR	1.0	119.20
143-297-005-000	2935	TEHAMA DR	1.0	119.20
143-297-006-000	2943	TEHAMA DR	1.0	119.20
143-297-008-000	2957	TEHAMA DR	1.0	119.20
143-297-009-000	2956	FRANQUETTE ST	1.0	119.20
143-297-010-000	2948	FRANQUETTE ST	1.0	119.20
143-297-011-000	2940	FRANQUETTE ST	1.0	119.20
143-297-012-000	2932	FRANQUETTE ST	1.0	119.20
143-297-013-000	2922	FRANQUETTE ST	1.0	119.20
143-297-014-000	2918	FRANQUETTE ST	1.0	119.20
143-298-001-000	548	ALDRICH AVE	1.0	119.20
143-298-002-000	551	SAUBER CT	1.0	119.20
143-299-001-000	550	SAUBER CT	1.0	119.20
143-301-001-000	548	SERR CT	1.0	119.20
143-301-002-000	542	SERR CT	1.0	119.20
143-301-003-000	536	SERR CT	1.0	119.20
143-301-004-000			1.0	119.20
143-301-005-000	524	SERR CT	1.0	119.20
143-301-006-000			1.0	119.20
143-301-007-000	512	SERR CT	1.0	119.20
143-301-008-000	506	SERR CT	1.0	119.20
143-301-009-000	500	SERR CT	1.0	119.20
143-301-010-000	501	SERR CT	1.0	119.20
143-301-011-000	507	SERR CT	1.0	119.20

City of Livingston
BAD - Sundance (Country Villas)
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
143-301-012-000	513	SERR CT	1.0	119.20
143-301-013-000	519	SERR CT	1.0	119.20
143-301-014-000	525	SERR CT	1.0	119.20
143-301-015-000			1.0	119.20
143-301-016-000	537	SERR CT	1.0	119.20
143-301-017-000	543	SERR CT	1.0	119.20
143-301-018-000	549	SERR CT	1.0	119.20
143-301-019-000	542	SAUBER CT	1.0	119.20
143-301-020-000	536	SAUBER CT	1.0	119.20
143-301-021-000	530	SAUBER CT	1.0	119.20
143-301-022-000	524	SAUBER CT	1.0	119.20
143-301-023-000	518	SAUBER CT	1.0	119.20
143-301-024-000	512	SAUBER CT	1.0	119.20
143-301-025-000	506	SAUBER CT	1.0	119.20
143-301-026-000	500	SAUBER CT	1.0	119.20
143-301-027-000	501	SAUBER CT	1.0	119.20
143-301-028-000	507	SAUBER CT	1.0	119.20
143-301-029-000	513	SAUBER CT	1.0	119.20
143-301-030-000	519	SAUBER CT	1.0	119.20
143-301-031-000	525	SAUBER CT	1.0	119.20
143-301-032-000	531	SAUBER CT	1.0	119.20
143-301-033-000	537	SAUBER CT	1.0	119.20
143-301-034-000	543	SAUBER CT	1.0	119.20
143-301-035-000	542	ALDRICH AVE	1.0	119.20
143-301-036-000	536	ALDRICH AVE	1.0	119.20
143-301-037-000	530	ALDRICH AVE	1.0	119.20
143-301-038-000	524	ALDRICH AVE	1.0	119.20
143-301-039-000	518	ALDRICH AVE	1.0	119.20
143-301-040-000	512	ALDRICH AVE	1.0	119.20
143-301-041-000	506	ALDRICH AVE	1.0	119.20
143-301-042-000	502	ALDRICH AVE	1.0	119.20
143-301-043-000	500	ALDRICH AVE	1.0	119.20
143-302-044-000	501	ALDRICH AVE	1.0	119.20
143-302-045-000	503	ALDRICH AVE	1.0	119.20
143-302-046-000	507	ALDRICH AVE	1.0	119.20
143-302-047-000	513	ALDRICH AVE	1.0	119.20
143-302-048-000	519	ALDRICH AVE	1.0	119.20
143-302-049-000	525	ALDRICH AVE	1.0	119.20
143-302-050-000	531	ALDRICH AVE	1.0	119.20
143-302-051-000	537	ALDRICH AVE	1.0	119.20
143-302-052-000	543	ALDRICH AVE	1.0	119.20
143-302-053-000	542	CHANDLER CT	1.0	119.20
143-302-054-000	536	CHANDLER CT	1.0	119.20
143-302-055-000	530	CHANDLER CT	1.0	119.20
143-302-056-000	524	CHANDLER CT	1.0	119.20
143-302-057-000	518	CHANDLER CT	1.0	119.20
143-302-058-000			1.0	119.20
143-302-059-000			1.0	119.20
143-302-060-000	500	CHANDLER CT	1.0	119.20
143-302-061-000			1.0	119.20
143-302-062-000			1.0	119.20
143-302-063-000	513	CHANDLER CT	1.0	119.20
143-302-064-000			1.0	119.20

City of Livingston
BAD - Sundance (Country Villas)
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
143-302-065-000			1.0	119.20
143-302-066-000	531	CHANDLER CT	1.0	119.20
143-302-067-000	537	CHANDLER CT	1.0	119.20
143-302-068-000	548	CHANDLER CT	1.0	119.20
143-302-069-000			1.0	119.20
143-302-070-000	536	VINA CT	1.0	119.20
143-302-071-000			1.0	119.20
143-302-072-000	524	VINA CT	1.0	119.20
143-302-073-000	518	VINA CT	1.0	119.20
143-302-074-000	512	VINA CT	1.0	119.20
143-302-075-000	506	VINA CT	1.0	119.20
143-302-076-000	500	VINA CT	1.0	119.20
143-302-077-000	501	VINA CT	1.0	119.20
143-302-078-000	507	VINA CT	1.0	119.20
143-302-079-000	513	VINA CT	1.0	119.20
143-302-080-000	519	VINA CT	1.0	119.20
143-302-081-000	525	VINA CT	1.0	119.20
143-302-082-000			1.0	119.20
143-302-083-000	537	VINA CT	1.0	119.20
143-302-084-000	543	VINA CT	1.0	119.20

Summary Fields	Value
Number of Parcels to be Levied	179
Total EDUs	179.00
Total Charges	\$21,336.80

**City of Livingston
BAD- Sundance IV
Fiscal Year 2019/20 Preliminary Assessment Roll**

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
143-311-001-000	2817	TRIGGER LN	1.0	120.72
143-311-002-000	2823	TRIGGER LN	1.0	120.72
143-311-003-000	2831	TRIGGER LN	1.0	120.72
143-311-004-000	2839	TRIGGER LN	1.0	120.72
143-311-005-000	2845	TRIGGER LN	1.0	120.72
143-311-006-000	2853	TRIGGER LN	1.0	120.72
143-311-007-000	2861	TRIGGER LN	1.0	120.72
143-311-008-000	2871	TRIGGER LN	1.0	120.72
143-311-009-000	2885	TRIGGER LN	1.0	120.72
143-311-010-000	2895	TRIGGER LN	1.0	120.72
143-312-001-000	425	EVANS LN	1.0	120.72
143-312-002-000	437	EVANS LN	1.0	120.72
143-312-003-000	449	EVANS LN	1.0	120.72
143-312-004-000	461	EVANS LN	1.0	120.72
143-312-005-000	473	EVANS LN	1.0	120.72
143-313-001-000	425	SUNDANCE ST	1.0	120.72
143-313-002-000	437	SUNDANCE ST	1.0	120.72
143-313-003-000	449	SUNDANCE ST	1.0	120.72
143-313-004-000	461	SUNDANCE ST	1.0	120.72
143-313-005-000	473	SUNDANCE ST	1.0	120.72
143-313-006-000	472	EVANS LN	1.0	120.72
143-313-007-000	460	EVANS LN	1.0	120.72
143-313-008-000	448	EVANS LN	1.0	120.72
143-313-009-000	436	EVANS LN	1.0	120.72
143-313-010-000	424	EVANS LN	1.0	120.72
143-314-001-000	425	ALDRICH AVE	1.0	120.72
143-314-002-000	437	ALDRICH AVE	1.0	120.72
143-314-003-000	449	ALDRICH AVE	1.0	120.72
143-314-004-000	461	ALDRICH AVE	1.0	120.72
143-314-005-000	473	ALDRICH AVE	1.0	120.72
143-314-006-000	472	SUNDANCE ST	1.0	120.72
143-314-007-000	460	SUNDANCE ST	1.0	120.72
143-314-008-000	448	SUNDANCE ST	1.0	120.72
143-314-009-000	436	SUNDANCE ST	1.0	120.72
143-314-010-000	424	SUNDANCE ST	1.0	120.72
143-315-001-000	2816	AUTRY LN	1.0	120.72
143-315-002-000	2822	AUTRY LN	1.0	120.72
143-315-003-000	2830	AUTRY LN	1.0	120.72
143-315-004-000	2838	AUTRY LN	1.0	120.72
143-315-005-000	2844	AUTRY LN	1.0	120.72
143-315-006-000	2852	AUTRY LN	1.0	120.72
143-315-007-000	2860	AUTRY LN	1.0	120.72
143-315-008-000	2870	AUTRY LN	1.0	120.72
143-315-009-000	2884	AUTRY LN	1.0	120.72
143-315-010-000	2894	AUTRY LN	1.0	120.72
143-316-001-000	2913	TRIGGER LN	1.0	120.72
143-316-002-000	2921	TRIGGER LN	1.0	120.72
143-316-003-000	2927	TRIGGER LN	1.0	120.72
143-316-004-000	2935	TRIGGER LN	1.0	120.72
143-316-005-000	2943	TRIGGER LN	1.0	120.72
143-316-006-000	2949	TRIGGER LN	1.0	120.72
143-316-007-000	2957	TRIGGER LN	1.0	120.72
143-316-008-000	2965	TRIGGER LN	1.0	120.72

**City of Livingston
BAD- Sundance IV
Fiscal Year 2019/20 Preliminary Assessment Roll**

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
143-316-009-000	2973	TRIGGER LN	1.0	120.72
143-316-010-000	2981	TRIGGER LN	1.0	120.72
143-316-011-000	2989	TRIGGER LN	1.0	120.72
143-316-012-000	2997	TRIGGER LN	1.0	120.72
143-316-013-000	412	ROGERS AVE	1.0	120.72
143-316-014-000	424	ROGERS AVE	1.0	120.72
143-316-015-000	436	ROGERS AVE	1.0	120.72
143-316-016-000	448	ROGERS AVE	1.0	120.72
143-316-017-000	460	ROGERS AVE	1.0	120.72
143-316-018-000	472	ROGERS AVE	1.0	120.72
143-316-019-000	480	ROGERS AVE	1.0	120.72
143-316-020-000	488	ROGERS AVE	1.0	120.72
143-316-021-000	496	ROGERS AVE	1.0	120.72
143-317-001-000	424	ALDRICH AVE	1.0	120.72
143-317-002-000	2924	TRIGGER LN	1.0	120.72
143-317-003-000	2930	TRIGGER LN	1.0	120.72
143-317-004-000	2938	TRIGGER LN	1.0	120.72
143-317-005-000	2946	TRIGGER LN	1.0	120.72
143-317-006-000	2952	TRIGGER LN	1.0	120.72
143-317-007-000	2960	TRIGGER LN	1.0	120.72
143-317-008-000	2968	TRIGGER LN	1.0	120.72
143-317-009-000	2978	TRIGGER LN	1.0	120.72
143-317-010-000	2979	SILVER LN	1.0	120.72
143-317-011-000	2969	SILVER LN	1.0	120.72
143-317-012-000	2961	SILVER LN	1.0	120.72
143-317-013-000	2953	SILVER LN	1.0	120.72
143-317-014-000	2947	SILVER LN	1.0	120.72
143-317-015-000	2939	SILVER LN	1.0	120.72
143-317-016-000	2931	SILVER LN	1.0	120.72
143-317-017-000	2925	SILVER LN	1.0	120.72
143-317-018-000	448	ALDRICH AVE	1.0	120.72
143-317-019-000	436	ALDRICH AVE	1.0	120.72
143-318-001-000	473	WYATT EARP CT	1.0	120.72
143-318-002-000	485	WYATT EARP CT	1.0	120.72
143-318-003-000	497	WYATT EARP CT	1.0	120.72
143-318-004-000	496	WYATT EARP CT	1.0	120.72
143-318-005-000	484	WYATT EARP CT	1.0	120.72
143-318-006-000	472	WYATT EARP CT	1.0	120.72
143-318-007-000	473	CISCO CT	1.0	120.72
143-318-008-000	485	CISCO CT	1.0	120.72
143-318-009-000	497	CISCO CT	1.0	120.72
143-318-010-000	496	CISCO CT	1.0	120.72
143-318-011-000	484	CISCO CT	1.0	120.72
143-318-012-000	472	CISCO CT	1.0	120.72

Summary Fields	Value
Number of Parcels to be Levied	97
Total EDUs	97.00
Total Charges	\$11,709.84

City of Livingston
BAD-Parkside
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
022-062-005-000	377	TASHIMA DR	1.0	120.72
022-062-006-000	371	TASHIMA DR	1.0	120.72
022-062-007-000	363	TASHIMA DR	1.0	120.72
022-062-008-000	355	TASHIMA DR	1.0	120.72
022-062-009-000	343	TASHIMA CT	1.0	120.72
022-062-010-000	335	TASHIMA CT	1.0	120.72
022-062-011-000			1.0	120.72
022-062-012-000	321	TASHIMA DR	1.0	120.72
022-062-013-000	1012	PARADISE DR	1.0	120.72
022-062-014-000	322	PARADISE DR	1.0	120.72
022-062-015-000	328	PARADISE DR	1.0	120.72
022-062-016-000	334	PARADISE DR	1.0	120.72
022-067-007-000	301	PARADISE DR	1.0	120.72
022-067-008-000	307	PARADISE DR	1.0	120.72
022-067-009-000	315	PARADISE DR	1.0	120.72
022-067-010-000	951	DOSANGH CT	1.0	120.72
022-067-011-000	939	DOSANGH CT	1.0	120.72
022-067-012-000	923	DOSANGH CT	1.0	120.72
022-067-013-000	310	DOSANGH CT	1.0	120.72
022-067-014-000	308	DOSANGH CT	1.0	120.72
022-067-015-000	300	DOSANGH CT	1.0	120.72
022-067-016-000	301	DOSANGH CT	1.0	120.72
022-067-017-000	307	DOSANGH CT	1.0	120.72
022-067-018-000	315	DOSANGH CT	1.0	120.72
022-067-019-000	323	DOSANGH CT	1.0	120.72
022-067-020-000	329	DOSANGH CT	1.0	120.72
022-067-021-000	335	DOSANGH CT	1.0	120.72
022-067-022-000	912	DOSANGH CT	1.0	120.72
022-067-023-000	924	DOSANGH CT	1.0	120.72
022-067-024-000	938	DOSANGH CT	1.0	120.72
022-067-025-000	950	DOSANGH CT	1.0	120.72
022-068-004-000	1085	FERNWOOD WAY	1.0	120.72
022-068-005-000	1067	FERNWOOD WAY	1.0	120.72
022-068-006-000	1049	FERNWOOD WAY	1.0	120.72
022-068-007-000	1031	FERNWOOD WAY	1.0	120.72
022-068-008-000	1013	FERNWOOD WAY	1.0	120.72
022-069-001-000	320	TASHIMA DR	1.0	120.72
022-069-002-000	328	TASHIMA DR	1.0	120.72
022-069-003-000	336	TASHIMA DR	1.0	120.72
022-069-004-000	344	TASHIMA DR	1.0	120.72
022-069-005-000	354	TASHIMA DR	1.0	120.72
022-069-006-000	362	TASHIMA DR	1.0	120.72
022-069-007-000	368	TASHIMA DR	1.0	120.72
022-069-008-000	376	TASHIMA DR	1.0	120.72
022-105-002-000	407	TASHIMA CT	1.0	120.72
022-105-003-000	419	TASHIMA CT	1.0	120.72
022-105-004-000	429	TASHIMA CT	1.0	120.72
022-105-005-000	437	TASHIMA CT	1.0	120.72
022-105-006-000	447	TASHIMA CT	1.0	120.72
022-105-007-000	457	TASHIMA CT	1.0	120.72
022-105-008-000	469	TASHIMA CT	1.0	120.72
022-105-009-000	454	TASHIMA CT	1.0	120.72
022-105-010-000	444	TASHIMA CT	1.0	120.72

City of Livingston
BAD-Parkside
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
022-105-011-000	436	TASHIMA CT	1.0	120.72
022-105-012-000	428	TASHIMA CT	1.0	120.72
022-105-013-000	418	TASHIMA CT	1.0	120.72
022-105-014-000	406	TASHIMA CT	1.0	120.72
022-105-015-000	398	TASHIMA CT	1.0	120.72
022-105-016-000	390	TASHIMA CT	1.0	120.72
022-108-001-000	385	TASHIMA DR	1.0	120.72
022-108-002-000	393	TASHIMA DR	1.0	120.72
022-111-001-000	1103	FERNWOOD WAY	1.0	120.72
022-111-002-000	1125	FERNWOOD WAY	1.0	120.72
022-111-003-000	1147	FERNWOOD WAY	1.0	120.72
022-111-004-000	1169	FERNWOOD WAY	1.0	120.72
022-111-005-000	1191	FERNWOOD WAY	1.0	120.72
022-111-006-000	1213	FERNWOOD WAY	1.0	120.72
022-112-001-000	321	JASMINE LN	1.0	120.72
022-112-002-000	327	JASMINE LN	1.0	120.72
022-112-003-000	335	JASMINE LN	1.0	120.72
022-112-004-000	343	JASMINE LN	1.0	120.72
022-112-005-000	353	JASMINE LN	1.0	120.72
022-112-006-000	359	JASMINE LN	1.0	120.72
022-112-007-000	369	JASMINE LN	1.0	120.72
022-112-008-000	375	JASMINE LN	1.0	120.72
022-113-001-000	1169	VINEMAPLE WAY	1.0	120.72
022-113-002-000	1191	VINEMAPLE WAY	1.0	120.72
022-113-003-000	1213	VINEMAPLE WAY	1.0	120.72
022-113-004-000	1210	FERNWOOD WAY	1.0	120.72
022-113-005-000	1190	FERNWOOD WAY	1.0	120.72
022-113-006-000	1168	FERNWOOD WAY	1.0	120.72
022-114-001-000	350	JASMINE LN	1.0	120.72
022-114-002-000	358	JASMINE LN	1.0	120.72
022-114-003-000	360	JASMINE LN	1.0	120.72
022-114-004-000	376	JASMINE LN	1.0	120.72
022-114-005-000	1201	PARKSIDE WAY	1.0	120.72
022-114-006-000	1200	VINEMAPLE WAY	1.0	120.72
022-121-001-000	1235	FERNWOOD WAY	1.0	120.72
022-121-002-000	1257	FERNWOOD WAY	1.0	120.72
022-122-002-000	1301	FERNWOOD WAY	1.0	120.72
022-122-003-000	1323	FERNWOOD WAY	1.0	120.72
022-122-004-000	1345	FERNWOOD WAY	1.0	120.72
022-122-005-000	1367	FERNWOOD WAY	1.0	120.72
022-122-006-000	1389	FERNWOOD WAY	1.0	120.72
022-122-007-000	1401	FERNWOOD WAY	1.0	120.72
022-122-008-000	1423	FERNWOOD WAY	1.0	120.72
022-122-009-000	308	KENSINGTON DR	1.0	120.72
022-122-010-000	316	KENSINGTON DR	1.0	120.72
022-122-011-000	324	KENSINGTON DR	1.0	120.72
022-122-012-000	334	KENSINGTON DR	1.0	120.72
022-122-013-000	340	KENSINGTON DR	1.0	120.72
022-122-014-000	346	KENSINGTON DR	1.0	120.72
022-122-015-000	354	KENSINGTON DR	1.0	120.72
022-123-001-000	1235	VINEMAPLE WAY	1.0	120.72
022-123-002-000	1257	VINEMAPLE WAY	1.0	120.72
022-123-003-000	1256	FERNWOOD WAY	1.0	120.72

City of Livingston
BAD-Parkside
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
022-123-004-000	1234	FERNWOOD WAY	1.0	120.72
022-124-001-000	353	LILAC LN	1.0	120.72
022-124-002-000	359	LILAC LN	1.0	120.72
022-124-003-000	369	LILAC LN	1.0	120.72
022-124-004-000	375	LILAC LN	1.0	120.72
022-125-001-000	321	MANDARIN CT	1.0	120.72
022-125-002-000	343	KENSINGTON DR	1.0	120.72
022-125-003-000	351	KENSINGTON DR	1.0	120.72
022-125-004-000	355	KENSINGTON DR	1.0	120.72
022-125-005-000	367	KENSINGTON DR	1.0	120.72
022-125-006-000	373	KENSINGTON DR	1.0	120.72
022-125-007-000	327	MANDARIN CT	1.0	120.72
022-125-008-000	335	MANDARIN CT	1.0	120.72
022-125-009-000	343	MANDARIN CT	1.0	120.72
022-125-010-000	351	MANDARIN CT	1.0	120.72
022-125-011-000	355	MANDARIN CT	1.0	120.72
022-125-012-000	367	MANDARIN CT	1.0	120.72
022-125-013-000	373	MANDARIN CT	1.0	120.72
022-125-014-000	374	MANDARIN CT	1.0	120.72
022-125-015-000	368	MANDARIN CT	1.0	120.72
022-125-016-000	356	MANDARIN CT	1.0	120.72
022-125-017-000	352	MANDARIN CT	1.0	120.72
022-125-018-000	344	MANDARIN CT	1.0	120.72
022-125-019-000	336	MANDARIN CT	1.0	120.72
022-125-020-000	328	MANDARIN CT	1.0	120.72
022-125-021-000	320	MANDARIN CT	1.0	120.72
022-125-022-000	321	KENSINGTON DR	1.0	120.72
022-125-023-000	327	KENSINGTON DR	1.0	120.72
022-125-024-000	335	KENSINGTON DR	1.0	120.72
022-126-001-000	1444	PINECREST DR	1.0	120.72
022-171-001-000	1697	VIEIRA ST	1.0	120.72
022-171-002-000	1675	VIEIRA ST	1.0	120.72
022-171-003-000	1653	VIEIRA ST	1.0	120.72
022-171-004-000	1629	VIEIRA ST	1.0	120.72
022-171-005-000	1607	VIEIRA ST	1.0	120.72
022-171-006-000	1597	VIEIRA ST	1.0	120.72
022-171-007-000	1587	VIEIRA ST	1.0	120.72
022-171-008-000	1575	VIEIRA ST	1.0	120.72
022-171-009-000	1543	VIEIRA ST	1.0	120.72
022-171-010-000	1515	VIEIRA ST	1.0	120.72
022-171-011-000	307	LIVE OAK WAY	1.0	120.72
022-171-012-000	315	LIVE OAK WAY	1.0	120.72
022-171-013-000	323	LIVE OAK WAY	1.0	120.72
022-171-014-000	333	LIVE OAK WAY	1.0	120.72
022-171-015-000	339	LIVE OAK WAY	1.0	120.72
022-171-016-000	345	LIVE OAK WAY	1.0	120.72
022-171-017-000	353	LIVE OAK WAY	1.0	120.72
022-172-001-000	320	LIVE OAK WAY	1.0	120.72
022-172-002-000	328	LIVE OAK WAY	1.0	120.72
022-172-003-000	336	LIVE OAK WAY	1.0	120.72
022-172-004-000	344	LIVE OAK WAY	1.0	120.72
022-172-005-000	354	LIVE OAK WAY	1.0	120.72
022-172-006-000	353	REDWOOD WAY	1.0	120.72

**City of Livingston
BAD-Parkside
Fiscal Year 2019/20 Preliminary Assessment Roll**

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
022-172-007-000	343	REDWOOD WAY	1.0	120.72
022-172-008-000	335	REDWOOD WAY	1.0	120.72
022-172-009-000	327	REDWOOD WAY	1.0	120.72
022-172-010-000	321	REDWOOD WAY	1.0	120.72
022-173-001-000	1466	PINECREST DR	1.0	120.72
022-173-002-000	1488	PINECREST DR	1.0	120.72
022-173-003-000	1516	PINECREST DR	1.0	120.72
022-173-004-000	1544	PINECREST DR	1.0	120.72
022-173-005-000	1576	PINECREST DR	1.0	120.72
022-173-006-000	1588	PINECREST DR	1.0	120.72
022-173-007-000	1598	PINECREST DR	1.0	120.72
022-173-008-000	368	REDWOOD WAY	1.0	120.72
022-173-009-000	360	REDWOOD WAY	1.0	120.72
022-173-010-000	352	REDWOOD WAY	1.0	120.72
022-173-011-000			1.0	120.72
022-173-012-000	1656	SPRUCE CT	1.0	120.72
022-173-013-000	1697	SPRUCE CT	1.0	120.72
022-173-014-000	1675	SPRUCE CT	1.0	120.72
022-173-015-000	1653	SPRUCE CT	1.0	120.72
022-173-016-000	1629	SPRUCE CT	1.0	120.72
022-173-017-000	1607	SPRUCE CT	1.0	120.72
022-173-018-000	1608	VIEIRA ST	1.0	120.72
022-173-019-000	1632	VIEIRA ST	1.0	120.72
022-173-020-000	1656	VIEIRA ST	1.0	120.72
022-173-021-000	1676	VIEIRA ST	1.0	120.72
022-173-022-000	1698	VIEIRA ST	1.0	120.72

Summary Fields	Value
Number of Parcels to be Levied	185
Total EDUs	185.00
Total Charges	\$22,333.20

City of Livingston
BAD- Country Lane I (Liberty Square)
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
023-034-001-000	2133	ASPENGLEN WAY	1.0	122.40
023-034-002-000	2143	ASPENGLEN WAY	1.0	122.40
023-034-003-000	2153	ASPENGLEN WAY	1.0	122.40
023-034-004-000	2163	ASPENGLEN WAY	1.0	122.40
023-034-005-000	2173	ASPENGLEN WAY	1.0	122.40
023-034-006-000	2183	ASPENGLEN WAY	1.0	122.40
023-034-007-000	2193	ASPENGLEN WAY	1.0	122.40
023-034-008-000	2203	ASPENGLEN WAY	1.0	122.40
023-034-009-000	2213	ASPENGLEN WAY	1.0	122.40
023-034-010-000	2223	ASPENGLEN WAY	1.0	122.40
023-035-001-000	2130	ASPENGLEN WAY	1.0	122.40
023-035-002-000	2140	ASPENGLEN WAY	1.0	122.40
023-035-003-000	2150	ASPENGLEN WAY	1.0	122.40
023-035-004-000	2160	ASPENGLEN WAY	1.0	122.40
023-035-005-000	2170	ASPENGLEN WAY	1.0	122.40
023-035-006-000	899	JORDONOLLA WAY	1.0	122.40
023-035-007-000	889	JORDONOLLA WAY	1.0	122.40
023-035-008-000	877	JORDONOLLA WAY	1.0	122.40
023-035-009-000	867	JORDONOLLA WAY	1.0	122.40
023-035-010-000	855	JORDONOLLA WAY	1.0	122.40
023-035-011-000	845	JORDONOLLA WAY	1.0	122.40
023-035-012-000	2193	KAPREIL WAY	1.0	122.40
023-035-013-000	2183	KAPREIL WAY	1.0	122.40
023-035-014-000	2173	KAPREIL WAY	1.0	122.40
023-035-015-000	2163	KAPREIL WAY	1.0	122.40
023-035-016-000	2153	KAPREIL WAY	1.0	122.40
023-035-017-000	2143	KAPREIL WAY	1.0	122.40
023-035-018-000	2133	KAPREIL WAY	1.0	122.40
023-035-019-000	2130	KARINA LAU CT	1.0	122.40
023-035-020-000	2140	KARINA LAU CT	1.0	122.40
023-035-021-000	2150	KARINA LAU CT	1.0	122.40
023-035-022-000	2160	KARINA LAU CT	1.0	122.40
023-035-023-000	2170	KARINA LAU CT	1.0	122.40
023-035-024-000	2173	KARINA LAU CT	1.0	122.40
023-035-025-000	2163	KARINA LAU CT	1.0	122.40
023-035-026-000	2153	KARINA LAU CT	1.0	122.40
023-035-027-000	2143	KARINA LAU CT	1.0	122.40
023-035-028-000	2133	KARINA LAU CT	1.0	122.40
023-036-001-000	898	JORDONOLLA WAY	1.0	122.40
023-036-002-000	888	JORDONOLLA WAY	1.0	122.40
023-036-003-000	878	JORDONOLLA WAY	1.0	122.40
023-036-004-000	868	JORDONOLLA WAY	1.0	122.40
023-036-005-000	856	JORDONOLLA WAY	1.0	122.40
023-036-006-000	846	JORDONOLLA WAY	1.0	122.40
023-036-007-000	834	JORDONOLLA WAY	1.0	122.40
023-036-008-000	824	JORDONOLLA WAY	1.0	122.40
023-043-001-000	2130	KAPREIL WAY	1.0	122.40
023-043-002-000	2140	KAPREIL WAY	1.0	122.40
023-043-003-000	2150	KAPREIL WAY	1.0	122.40
023-043-004-000	2160	KAPREIL WAY	1.0	122.40
023-043-005-000	2170	KAPREIL WAY	1.0	122.40
023-043-006-000	2180	KAPREIL WAY	1.0	122.40
023-043-007-000	2190	KAPREIL WAY	1.0	122.40

City of Livingston
BAD- Country Lane I (Liberty Square)
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ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
023-043-008-000	2200	KAPREIL WAY	1.0	122.40
023-043-009-000	2210	KAPREIL WAY	1.0	122.40
023-043-010-000	814	JORDONOLLA WAY	1.0	122.40

Summary Fields	Value
Number of Parcels to be Levied	56
Total EDUs	56.00
Total Charges	\$6,854.40

City of Livingston
BAD- Country Lane II (Country Lane)
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
023-011-001-000	2085	KISHI DR	1.0	122.40
023-011-002-000	2075	KISHI DR	1.0	122.40
023-011-003-000	2065	KISHI DR	1.0	122.40
023-011-004-000	2055	KISHI DR	1.0	122.40
023-011-005-000	2047	KISHI DR	1.0	122.40
023-011-006-000	2035	KISHI DR	1.0	122.40
023-011-007-000	2025	KISHI DR	1.0	122.40
023-011-008-000	1157	NARADA WAY	1.0	122.40
023-011-009-000	1141	NARADA WAY	1.0	122.40
023-011-010-000	1127	NARADA WAY	1.0	122.40
023-011-011-000	1113	NARADA WAY	1.0	122.40
023-011-012-000	1101	NARADA WAY	1.0	122.40
023-011-013-000	1085	NARADA WAY	1.0	122.40
023-011-014-000	1071	NARADA WAY	1.0	122.40
023-011-015-000	1059	NARADA WAY	1.0	122.40
023-011-016-000	1045	NARADA WAY	1.0	122.40
023-012-001-000	1138	NARADA WAY	1.0	122.40
023-012-002-000	1137	SHOJI CT	1.0	122.40
023-012-003-000	1125	SHOJI CT	1.0	122.40
023-012-004-000	1113	SHOJI CT	1.0	122.40
023-012-005-000	1097	SHOJI CT	1.0	122.40
023-012-006-000	1079	SHOJI CT	1.0	122.40
023-012-007-000	1065	SHOJI CT	1.0	122.40
023-012-008-000	1047	SHOJI CT	1.0	122.40
023-012-009-000	1064	NARADA WAY	1.0	122.40
023-012-010-000	1064	NARADA WAY	1.0	122.40
023-012-011-000	1078	NARADA WAY	1.0	122.40
023-012-012-000	1098	NARADA WAY	1.0	122.40
023-012-013-000	1112	NARADA WAY	1.0	122.40
023-012-014-000	1126	NARADA WAY	1.0	122.40
023-013-001-000	1138	SHOJI CT	1.0	122.40
023-013-002-000	1126	SHOJI CT	1.0	122.40
023-013-003-000	1112	SHOJI CT	1.0	122.40
023-013-004-000	1098	SHOJI CT	1.0	122.40
023-013-005-000	1078	SHOJI CT	1.0	122.40
023-013-006-000	1064	SHOJI CT	1.0	122.40
023-013-007-000	1048	SHOJI CT	1.0	122.40
023-014-001-000	2123	KISHI DR	1.0	122.40
023-014-002-000	2133	KISHI DR	1.0	122.40
023-014-003-000	2143	KISHI DR	1.0	122.40
023-014-004-000	2153	KISHI DR	1.0	122.40
023-014-005-000	2163	KISHI DR	1.0	122.40
023-014-006-000	2173	KISHI DR	1.0	122.40
023-014-007-000	2183	KISHI DR	1.0	122.40
023-014-008-000	2193	KISHI DR	1.0	122.40
023-014-009-000	2201	KISHI DR	1.0	122.40
023-015-001-000	2124	KISHI DR	1.0	122.40
023-015-002-000	2134	KISHI DR	1.0	122.40
023-015-003-000	2144	KISHI DR	1.0	122.40
023-015-004-000	2154	KISHI DR	1.0	122.40
023-015-005-000	2164	KISHI DR	1.0	122.40
023-015-006-000	2174	KISHI DR	1.0	122.40
023-015-007-000	2184	KISHI DR	1.0	122.40

City of Livingston
BAD- Country Lane II (Country Lane)
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ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
023-015-008-000	1137	OHKI ST	1.0	122.40
023-015-009-000	1127	OHKI ST	1.0	122.40
023-015-010-000	1115	OHKI ST	1.0	122.40
023-015-011-000	2183	KINOSHITA CT	1.0	122.40
023-015-012-000	2173	KINOSHITA CT	1.0	122.40
023-015-013-000	2163	KINOSHITA CT	1.0	122.40
023-015-014-000	2153	KINOSHITA CT	1.0	122.40
023-015-015-000	2143	KINOSHITA CT	1.0	122.40
023-015-016-000	2133	KINOSHITA CT	1.0	122.40
023-015-017-000	2123	KINOSHITA CT	1.0	122.40
023-015-019-000	2126	KINOSHITA CT	1.0	122.40
023-015-020-000	2142	KINOSHITA CT	1.0	122.40
023-015-021-000	2154	KINOSHITA CT	1.0	122.40
023-015-022-000	2164	KINOSHITA CT	1.0	122.40
023-015-023-000	2174	KINOSHITA CT	1.0	122.40
023-015-024-000	2184	KINOSHITA CT	1.0	122.40
023-015-025-000	1079	OHKI ST	1.0	122.40
023-015-026-000	1065	OHKI ST	1.0	122.40
023-015-027-000	1047	OHKI ST	1.0	122.40
023-015-028-000	2183	WAKAMI DR	1.0	122.40
023-015-029-000	2173	WAKAMI DR	1.0	122.40
023-015-030-000	2163	WAKAMI DR	1.0	122.40
023-015-031-000	2153	WAKAMI DR	1.0	122.40
023-015-032-000	2143	WAKAMI DR	1.0	122.40
023-015-033-000	2133	WAKAMI DR	1.0	122.40
023-016-002-000	1148	OHKI ST	1.0	122.40
023-016-003-000	1136	OHKI ST	1.0	122.40
023-016-004-000	1124	OHKI ST	1.0	122.40
023-016-005-000	1112	OHKI ST	1.0	122.40
023-016-006-000	1098	OHKI ST	1.0	122.40
023-016-007-000	1078	OHKI ST	1.0	122.40
023-016-008-000	1064	OHKI ST	1.0	122.40
023-016-009-000	1048	OHKI ST	1.0	122.40
023-021-001-000	1033	NARADA WAY	1.0	122.40
023-021-002-000	1019	NARADA WAY	1.0	122.40
023-021-003-000	1007	NARADA WAY	1.0	122.40
023-021-004-000	999	NARADA WAY	1.0	122.40
023-021-005-000	977	NARADA WAY	1.0	122.40
023-021-006-000	965	NARADA WAY	1.0	122.40
023-021-007-000	955	NARADA WAY	1.0	122.40
023-021-008-000	945	NARADA WAY	1.0	122.40
023-022-001-000	935	NARADA WAY	1.0	122.40
023-023-001-000	1048	NARADA WAY	1.0	122.40
023-023-002-000	1020	NARADA WAY	1.0	122.40
023-023-003-000	2035	WAKAMI DR	1.0	122.40
023-023-004-000	2047	WAKAMI DR	1.0	122.40
023-023-005-000	2055	WAKAMI DR	1.0	122.40
023-023-006-000	2065	WAKAMI DR	1.0	122.40
023-023-007-000	2089	WAKAMI DR	1.0	122.40
023-023-008-000	2109	WAKAMI DR	1.0	122.40
023-023-009-000	2123	WAKAMI DR	1.0	122.40
023-023-010-000	1028	WILLOW BROOK CT	1.0	122.40
023-023-011-000	1019	WILLOW BROOK CT	1.0	122.40

City of Livingston
BAD- Country Lane II (Country Lane)
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ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
023-023-012-000	1035	WILLOW BROOK CT	1.0	122.40
023-024-001-000	2034	WAKAMI DR	1.0	122.40
023-024-002-000	1030	NARADA WAY	1.0	122.40
023-024-003-000	2054	WAKAMI DR	1.0	122.40
023-024-004-000	2064	WAKAMI DR	1.0	122.40
023-024-005-000	2086	WAKAMI DR	1.0	122.40
023-024-006-000	2100	WAKAMI DR	1.0	122.40
023-024-007-000	2114	WAKAMI DR	1.0	122.40
023-024-008-000	2126	WAKAMI DR	1.0	122.40
023-024-009-000	2123	GRAPEVINE DR	1.0	122.40
023-024-010-000	2111	GRAPEVINE DR	1.0	122.40
023-024-011-000	2099	GRAPEVINE DR	1.0	122.40
023-024-012-000	2085	GRAPEVINE DR	1.0	122.40
023-024-013-000	2065	GRAPEVINE DR	1.0	122.40
023-024-014-000	2055	GRAPEVINE DR	1.0	122.40
023-024-015-000	2047	GRAPEVINE DR	1.0	122.40
023-024-016-000	2035	GRAPEVINE DR	1.0	122.40
023-025-001-000	2034	GRAPEVINE DR	1.0	122.40
023-025-002-000	2046	GRAPEVINE DR	1.0	122.40
023-025-003-000	2054	GRAPEVINE DR	1.0	122.40
023-025-004-000	2064	GRAPEVINE DR	1.0	122.40
023-025-005-000	2086	GRAPEVINE DR	1.0	122.40
023-025-006-000	2100	GRAPEVINE DR	1.0	122.40
023-025-007-000	2114	GRAPEVINE DR	1.0	122.40
023-025-008-000	2126	GRAPEVINE DR	1.0	122.40
023-026-001-000	1009	MORI CT	1.0	122.40
023-026-002-000	2184	WAKAMI DR	1.0	122.40
023-026-003-000	2194	WAKAMI DR	1.0	122.40
023-026-004-000	2204	WAKAMI DR	1.0	122.40
023-026-005-000	2214	WAKAMI DR	1.0	122.40
023-026-006-000	2224	WAKAMI DR	1.0	122.40
023-026-007-000	2223	NATSU RD	1.0	122.40
023-026-008-000	2213	NATSU RD	1.0	122.40
023-026-009-000	2203	NATSU RD	1.0	122.40
023-026-010-000	2193	NATSU RD	1.0	122.40
023-026-011-000	2183	NATSU RD	1.0	122.40
023-026-012-000	986	MORI CT	1.0	122.40
023-026-013-000	994	MORI CT	1.0	122.40
023-027-001-000	999	MORI CT	1.0	122.40
023-027-002-000	989	MORI CT	1.0	122.40
023-027-003-000	983	MORI CT	1.0	122.40
023-027-004-000	975	MORI CT	1.0	122.40
023-027-005-000	965	MORI CT	1.0	122.40
023-027-006-000	955	MORI CT	1.0	122.40
023-027-007-000	941	MORI CT	1.0	122.40
023-027-008-000	931	MORI CT	1.0	122.40
023-027-009-000	932	MORI CT	1.0	122.40
023-027-010-000	942	MORI CT	1.0	122.40
023-027-011-000	954	MORI CT	1.0	122.40
023-027-012-000	964	MORI CT	1.0	122.40
023-027-013-000	974	MORI CT	1.0	122.40

City of Livingston
BAD- Country Lane II (Country Lane)
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
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Summary Fields	Value
Number of Parcels to be Levied	157
Total EDUs	157.00
Total Charges	\$19,216.80

City of Livingston
BAD- La Tierra
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
022-064-001-000	253	MADRID WAY	1.0	120.72
022-064-002-000	247	MADRID WAY	1.0	120.72
022-064-003-000	241	MADRID WAY	1.0	120.72
022-064-004-000	235	MADRID WAY	1.0	120.72
022-064-005-000	229	MADRID WAY	1.0	120.72
022-064-006-000	915	TALARA DR	1.0	120.72
022-064-007-000	931	TALARA DR	1.0	120.72
022-064-008-000	947	TALARA DR	1.0	120.72
022-064-009-000	963	TALARA DR	1.0	120.72
022-064-010-000	979	TALARA DR	1.0	120.72
022-064-011-000	995	TALARA DR	1.0	120.72
022-064-012-000	1013	TALARA DR	1.0	120.72
022-064-013-000	1031	TALARA DR	1.0	120.72
022-064-014-000	1049	TALARA DR	1.0	120.72
022-064-015-000	1067	TALARA DR	1.0	120.72
022-065-001-000	232	MADRID WAY	1.0	120.72
022-065-002-000	240	MADRID WAY	1.0	120.72
022-065-003-000	246	MADRID WAY	1.0	120.72
022-065-004-000	252	MADRID WAY	1.0	120.72
022-065-005-000	253	PARADISE DR	1.0	120.72
022-065-006-000	247	PARADISE DR	1.0	120.72
022-065-007-000	241	PARADISE DR	1.0	120.72
022-065-008-000	235	PARADISE DR	1.0	120.72
022-066-001-000	232	PARADISE DR	1.0	120.72
022-066-002-000	240	PARADISE DR	1.0	120.72
022-066-003-000	246	PARADISE DR	1.0	120.72
022-066-004-000	252	PARADISE DR	1.0	120.72
022-066-005-000	253	MERIDA WAY	1.0	120.72
022-066-006-000	247	MERIDA WAY	1.0	120.72
022-066-007-000	241	MERIDA WAY	1.0	120.72
022-066-008-000	235	MERIDA WAY	1.0	120.72
022-067-001-000	916	BARCELONA DR	1.0	120.72
022-067-002-000	932	BARCELONA DR	1.0	120.72
022-067-003-000	948	BARCELONA DR	1.0	120.72
022-067-004-000	964	BARCELONA DR	1.0	120.72
022-067-005-000	980	BARCELONA DR	1.0	120.72
022-067-006-000	994	BARCELONA DR	1.0	120.72
022-068-001-000	1020	BARCELONA DR	1.0	120.72
022-068-002-000	1040	BARCELONA DR	1.0	120.72
022-068-003-000	1060	BARCELONA DR	1.0	120.72
022-111-007-000	1256	BARCELONA DR	1.0	120.72
022-111-008-000	1234	BARCELONA DR	1.0	120.72
022-111-009-000	1208	BARCELONA DR	1.0	120.72
022-111-010-000	1184	BARCELONA DR	1.0	120.72
022-111-011-000	1164	BARCELONA DR	1.0	120.72
022-111-012-000	1144	BARCELONA DR	1.0	120.72
022-111-013-000	1124	BARCELONA DR	1.0	120.72
022-111-014-000	1104	BARCELONA DR	1.0	120.72
022-111-015-000	1080	BARCELONA DR	1.0	120.72
022-115-001-000	1085	TALARA DR	1.0	120.72
022-115-002-000	1103	TALARA DR	1.0	120.72
022-115-003-000	1125	TALARA DR	1.0	120.72
022-115-004-000	1133	TALARA DR	1.0	120.72

City of Livingston
BAD- La Tierra
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
022-115-005-000	1147	TALARA DR	1.0	120.72
022-115-006-000	1169	TALARA DR	1.0	120.72
022-115-007-000	1181	TALARA DR	1.0	120.72
022-115-008-000	1191	TALARA DR	1.0	120.72
022-115-009-000	1192	TALARA DR	1.0	120.72
022-115-010-000	1180	TALARA DR	1.0	120.72
022-115-011-000	1168	TALARA DR	1.0	120.72
022-115-012-000	1144	TALARA DR	1.0	120.72
022-115-013-000	1130	TALARA DR	1.0	120.72
022-115-014-000	232	MERIDA WAY	1.0	120.72
022-115-015-000	240	MERIDA WAY	1.0	120.72
022-115-016-000	246	MERIDA WAY	1.0	120.72
022-115-017-000	252	MERIDA WAY	1.0	120.72
022-115-018-000	1139	BARCELONA DR	1.0	120.72
022-115-019-000	1159	BARCELONA DR	1.0	120.72
022-115-020-000	1179	BARCELONA DR	1.0	120.72
022-115-021-000	1199	BARCELONA DR	1.0	120.72
022-115-022-000	1215	BARCELONA DR	1.0	120.72
022-115-023-000	253	LILAC LN	1.0	120.72
022-115-024-000	247	LILAC LN	1.0	120.72
022-115-025-000	241	LILAC LN	1.0	120.72
022-115-026-000	235	LILAC LN	1.0	120.72
022-115-027-000	225	LILAC LN	1.0	120.72
022-115-028-000	215	LILAC LN	1.0	120.72

Summary Fields	Value
Number of Parcels to be Levied	77
Total EDUs	77.00
Total Charges	\$9,295.44

City of Livingston
BAD-Somerset
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
047-581-001-000	1702	SUN VALLEY AVE	1.0	118.96
047-581-002-000	1714	SUN VALLEY AVE	1.0	118.96
047-581-003-000	1728	SUN VALLEY AVE	1.0	118.96
047-581-004-000	1742	SUN VALLEY AVE	1.0	118.96
047-581-005-000	1756	SUN VALLEY AVE	1.0	118.96
047-582-001-000	1701	SUN VALLEY AVE	1.0	118.96
047-582-002-000	1711	SUN VALLEY AVE	1.0	118.96
047-582-003-000	1723	SUN VALLEY AVE	1.0	118.96
047-582-004-000	1735	SUN VALLEY AVE	1.0	118.96
047-582-005-000	1745	SUN VALLEY AVE	1.0	118.96
047-582-006-000	1755	SUN VALLEY AVE	1.0	118.96
047-582-007-000	1767	SUN VALLEY AVE	1.0	118.96
047-582-008-000	1777	SUN VALLEY AVE	1.0	118.96
047-582-009-000	961	SPRING BROOK DR	1.0	118.96
047-582-010-000	951	SPRING BROOK DR	1.0	118.96
047-582-011-000	941	SPRING BROOK DR	1.0	118.96
047-582-012-000	931	SPRINGBROOK DR	1.0	118.96
047-582-013-000	921	SPRING BROOK DR	1.0	118.96
047-582-014-000	909	SPRING BROOK DR	1.0	118.96
047-582-015-000	1789	WELLS AVE	1.0	118.96
047-582-016-000	1801	WELLS AVE	1.0	118.96
047-582-017-000	1811	WELLS AVE	1.0	118.96
047-582-018-000	1821	WELLS AVE	1.0	118.96
047-582-019-000	1831	WELLS AVE	1.0	118.96
047-582-020-000	1841	WELLS AVE	1.0	118.96
047-582-021-000	1851	WELLS AVE	1.0	118.96
047-582-022-000	1861	WELLS AVE	1.0	118.96
047-582-023-000	1871	WELLS AVE	1.0	118.96
047-582-024-000	1883	WELLS AVE	1.0	118.96
047-582-026-000	1905	SUN VALLEY AVE	1.0	118.96
047-582-027-000	1915	SUN VALLEY AVE	1.0	118.96
047-582-028-000	1929	SUN VALLEY AVE	1.0	118.96
047-582-029-000	978	NEWCASTLE DR	1.0	118.96
047-582-030-000	988	NEWCASTLE DR	1.0	118.96
047-582-031-000	998	NEWCASTLE DR	1.0	118.96
047-583-001-000	1804	SUN VALLEY AVE	1.0	118.96
047-583-002-000	1820	SUN VALLEY AVE	1.0	118.96
047-583-003-000	1836	SUN VALLEY AVE	1.0	118.96
047-584-001-000	978	SPRINGBROOK DR	1.0	118.96
047-584-002-000	977	GOLDEN LEAF DR	1.0	118.96
047-584-003-000	967	GOLDEN LEAF DR	1.0	118.96
047-584-004-000	957	GOLDEN LEAF DR	1.0	118.96
047-584-005-000	945	GOLDEN LEAF DR	1.0	118.96
047-584-006-000	935	GOLDEN LEAF DR	1.0	118.96
047-584-007-000	923	GOLDEN LEAF DR	1.0	118.96
047-584-008-000	924	SPRING BROOK DR	1.0	118.96
047-584-009-000	936	SPRING BROOK DR	1.0	118.96
047-584-010-000	946	SPRINGBROOK DR	1.0	118.96
047-584-011-000	958	SPRING BROOK DR	1.0	118.96
047-584-012-000	968	SPRINGBROOK DR	1.0	118.96
047-585-001-000	1848	SUN VALLEY AVE	1.0	118.96
047-585-002-000	1860	SUN VALLEY AVE	1.0	118.96
047-585-003-000	1870	SUN VALLEY AVE	1.0	118.96

City of Livingston
BAD-Somerset
Fiscal Year 2019/20 Preliminary Assessment Roll

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
047-585-004-000	1884	SUN VALLEY AVE	1.0	118.96
047-585-005-000	1896	SUN VALLEY AVE	1.0	118.96
047-585-006-000	1910	SUN VALLEY AVE	1.0	118.96
047-586-001-000	978	GOLDEN LEAF DR	1.0	118.96
047-586-002-000	977	PARK VIEW DR	1.0	118.96
047-586-003-000	967	PARK VIEW DR	1.0	118.96
047-586-004-000	957	PARK VIEW DR	1.0	118.96
047-586-005-000	945	PARK VIEW DR	1.0	118.96
047-586-006-000	935	PARK VIEW DR	1.0	118.96
047-586-007-000	923	PARK VIEW DR	1.0	118.96
047-586-008-000	924	GOLDEN LEAF DR	1.0	118.96
047-586-009-000	936	GOLDEN LEAF DR	1.0	118.96
047-586-010-000	946	GOLDEN LEAF DR	1.0	118.96
047-586-011-000	958	GOLDEN LEAF DR	1.0	118.96
047-586-012-000	968	GOLDEN LEAF DR	1.0	118.96
047-591-001-000	1001	GOLDEN LEAF DR	1.0	118.96
047-591-002-000	1013	GOLDEN LEAF DR	1.0	118.96
047-591-003-000	1025	GOLDEN LEAF DR	1.0	118.96
047-591-004-000	1035	GOLDEN LEAF DR	1.0	118.96
047-591-005-000	1047	GOLDEN LEAF DR	1.0	118.96
047-591-006-000	1057	GOLDEN LEAF DR	1.0	118.96
047-591-007-000	1069	GOLDEN LEAF DR	1.0	118.96
047-591-008-000	1079	GOLDEN LEAF DR	1.0	118.96
047-591-009-000	1098	GOLDEN LEAF DR	1.0	118.96
047-591-010-000	1099	GOLDEN LEAF DR	1.0	118.96
047-591-011-000	1111	GOLDEN LEAF DR	1.0	118.96
047-591-012-000	1123	GOLDEN LEAF DR	1.0	118.96
047-591-013-000	1135	GOLDEN LEAF DR	1.0	118.96
047-591-014-000	1838	ST IVES AVE	1.0	118.96
047-591-015-000	1848	ST IVES AVE	1.0	118.96
047-591-016-000	1860	ST IVES AVE	1.0	118.96
047-591-017-000	1872	ST IVES AVE	1.0	118.96
047-591-018-000	1884	ST IVES AVE	1.0	118.96
047-591-019-000	1896	ST IVES AVE	1.0	118.96
047-591-020-000	1910	ST IVES AVE	1.0	118.96
047-592-001-000	1847	SOUTHPORT AVE	1.0	118.96
047-592-002-000	1859	SOUTHPORT AVE	1.0	118.96
047-592-003-000	1871	SOUTHPORT AVE	1.0	118.96
047-592-004-000	1883	SOUTHPORT AVE	1.0	118.96
047-592-005-000	1895	SOUTHPORT AVE	1.0	118.96
047-592-006-000	1909	SOUTHPORT AVE	1.0	118.96
047-593-001-000	1848	SOUTHPORT AVE	1.0	118.96
047-593-002-000	1847	YORK AVE	1.0	118.96
047-593-003-000	1859	YORK AVE	1.0	118.96
047-593-004-000	1871	YORK AVE	1.0	118.96
047-593-005-000	1883	YORK AVE	1.0	118.96
047-593-006-000	1895	YORK AVE	1.0	118.96
047-593-007-000	1909	YORK AVE	1.0	118.96
047-593-008-000	1910	SOUTHPORT AVE	1.0	118.96
047-593-009-000	1896	SOUTHPORT AVE	1.0	118.96
047-593-010-000	1884	SOUTHPORT AVE	1.0	118.96
047-593-011-000	1870	SOUTHPORT AVE	1.0	118.96
047-593-012-000	1860	SOUTHPORT AVE	1.0	118.96

**City of Livingston
BAD-Somerset
Fiscal Year 2019/20 Preliminary Assessment Roll**

ASSESSOR'S PARCEL NUMBER	SITUS	ADDRESS	EDU	CHARGE
047-594-001-000	1848	YORK AVE	1.0	118.96
047-594-002-000	1847	ST IVES AVE	1.0	118.96
047-594-003-000	1859	ST IVES AVE	1.0	118.96
047-594-004-000	1871	ST IVES AVE	1.0	118.96
047-594-005-000	1883	ST IVES AVE	1.0	118.96
047-594-006-000	1895	ST IVES AVE	1.0	118.96
047-594-007-000	1909	ST IVES AVE	1.0	118.96
047-594-008-000	1910	YORK AVE	1.0	118.96
047-594-009-000	1896	YORK AVE	1.0	118.96
047-594-010-000	1884	YORK AVE	1.0	118.96
047-594-011-000	1870	YORK AVE	1.0	118.96
047-594-012-000	1860	YORK AVE	1.0	118.96
047-596-001-000	1008	NEWCASTLE DR	1.0	118.96
047-596-002-000	1014	NEWCASTLE DR	1.0	118.96
047-596-003-000	1024	NEWCASTLE DR	1.0	118.96
047-596-004-000	1034	NEWCASTLE DR	1.0	118.96
047-596-005-000	1042	NEWCASTLE DR	1.0	118.96
047-596-006-000	1055	NEWCASTLE DR	1.0	118.96
047-596-007-000	1065	NEWCASTLE DR	1.0	118.96
047-596-008-000	1074	NEWCASTLE DR	1.0	118.96
047-596-009-000	1082	NEWCASTLE DR	1.0	118.96
047-596-010-000	1092	NEWCASTLE DR	1.0	118.96
047-596-011-000	1104	NEWCASTLE DR	1.0	118.96
047-596-012-000	1116	NEWCASTLE DR	1.0	118.96
047-596-013-000	1122	NEWCASTLE DR	1.0	118.96
047-596-014-000	1134	NEWCASTLE DR	1.0	118.96
047-596-015-000	1146	NEWCASTLE DR	1.0	118.96

Summary Fields	Value
Number of Parcels to be Levied	133
Total EDUs	133.00
Total Charges	\$15,821.68

STAFF REPORT

AGENDA ITEM: City Council to Support all Punjabi and other Indian Related Activities at Livingston High School

MEETING DATE: June 4, 2019

PREPARED BY: Ruben Chavez, Chief of Police

REVIEWED BY: Jose Antonio Ramirez, City Manager

RECOMMENDATION:

That City Council support all Punjabi and Indian related activities at Livingston High School.

BACKGROUND:

The City of Livingston is culturally diverse with approximately 20% of the population being of Indian decent, more specifically from Punjabi India. The City desires to show its support for any Indian related clubs and activities at Livingston High School from within the realm of city government.

DISCUSSION:

The City of Livingston currently has one high school which serves Livingston and the surrounding communities. Livingston High School is very diverse with approximately 13% of the student population being of Indian decent. As such, the school has a very active Punjabi Club which actively participates in numerous cultural activities at the high school and in the community. These include the Nagar Kirtan Festival and the Vaisakhi Festival.

The high school currently has an elective language course titled "Punjabi" where the students learn the Punjabi language. This last semester, the course had 18 students enrolled. The schools Punjabi students are very active in the Punjabi Club and have organized the schools participation in several of the above mentioned festivals. The club members are also active in the community as they actively assist in many of the cultural events the City hosts.

The City of Livingston City Council desires to show its support of the Punjabi Club and Livingston High School Punjabi language elective through resolution and work closely with the school to support the activities within the realm of city government.

FISCAL IMPACT:

None

ATTACHMENTS:

1. Resolution supporting all Punjabi and Indian related activities at Livingston High School.

RESOLUTION NO. 2019-

**RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LIVINGSTON
SUPPORTING ALL PUNJABI AND OTHER INDIAN RELATED
CULTURAL ACTIVITIES AT LIVINGSTON HIGH SCHOOL**

WHEREAS, approximately twenty percent of the Livingston's population are native to the State of Punjab, India; and

WHEREAS, the City actively supports all cultural activities related in the Punjabi community to include parades and festivals; and

WHEREAS, the City of Livingston actively supports all local youth and recreation activities; and

WHEREAS, the City supports all cultural Indian activities to include the Punjabi Club and language courses at the Livingston High school; and

WHEREAS, the City of Livingston desires to see all Punjabi related activities continue in our community and at Livingston High School; and

WHEREAS, the City of Livingston desires to continue working with local clubs and agencies to support all cultural activities within the realm of municipal government; and

NOW, THEREFORE, BE IT RESOLVED, that the City Council of the City of Livingston hereby adopts a Resolution to support all Punjabi and other Indian related cultural activities at the Livingston High School.

Passed and adopted this 4th day of June, 2019, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Gurpal Samra Mayor
of the City of Livingston

ATTEST:

I, hereby certify that the foregoing resolution was regularly introduced, passed and adopted at a regular meeting of the City Council of the City of Livingston this 4th day of June, 2019.

Antonio Silva, City Clerk
of the City of Livingston



MEETING MINUTES

CLOSED SESSION/REGULAR MEETING LIVINGSTON CITY COUNCIL APRIL 2, 2019

A Closed Session/Regular Meeting of the Livingston City Council was held on April 2, 2019, in the City Council Chambers with Mayor Samra presiding.

CALL TO ORDER

Mayor Samra called the meeting to order at 6:04 p.m.

ROLL CALL

- Mayor Gurpal Samra
- Mayor Pro-Tem Raul Garcia (Excused Absence)
- Council Member Maria Baptista-Soto
- Council Member Juan Aguilar (Excused Absence)
- Council Member Gagandeep Kang

Mayor Samra opened and subsequently closed Citizen Comments at 6:07 p.m., as there were no comments from the public.

CLOSED SESSION

Mayor Samra opened the meeting for public comments at 6:09 p.m. There were no comments and the Council went into Closed Session immediately thereafter to discuss the following matters:

1. Conference With Real Property Negotiator
(Government Code Section 54956.8)
Real Property:
APN: 024-154-005-000
APN: 024-153-003-000
APN: 024-153-011-000
APN: 024-147-006-000
Negotiating Parties for City: Jose Antonio Ramirez, City Manager

Under Negotiation: Potential Property Sale

2. Conference with Labor Negotiator
(Government Code Section 54957.6)
Labor Negotiator: Jose Antonio Ramirez, City Manager
Employee Organizations: OE3 - Police Supervisory Employees Association.
OE3 - Management/Confidential Bargaining Unit
OE3 - Livingston Police Officer Association
AFSCME – Public Works and Parks Unit
All Represented and Unrepresented City Employees

REGULAR MEETING

Mayor Samra called the meeting to order at 7:09 p.m.

PLEDGE OF ALLEGIANCE

The pledge of allegiance to the flag was recited.

ROLL CALL

- Mayor Gural Samra
- Mayor Pro-Tem Raul Garcia (Excused Absence)
- Council Member Maria Baptista-Soto
- Council Member Juan Aguilar (Excused Absence)
- Council Member Gagandeep Kang

Clerk's Note: City Manager Ramirez extended his condolences to Fire Chief Carter on the passing of his mother.

CLOSED SESSION ANNOUNCEMENTS

No reportable action was taken.

CHANGES TO THE AGENDA

None.

AWARDS, PRESENTATIONS, PROCLAMATIONS

1. PG&E – PowerPoint - Community Wildfire Safety Program City of Livingston.

Michael Daffny, PG&E representative, gave a power point presentation regarding PG&E's Community Wildfire and Safety Program which consist of three pillars; real-time monitoring, new enhanced safety measures, and system hardening and resiliency. Real time monitoring includes the operation of a wildfire monitoring center open 24/7 in San Francisco. PG&E is also working on enhancing their vegetation management plan to meet State standards, and to address the removal of specific branches interfering with PG&E equipment. Lastly, PG&E will inspect their equipment which includes transmission lines, distribution lines, overhead electric poles, and other structures. PG&E will also shut-off dilapidated/obsolete equipment and equipment operating in dangerous weather (e.g. high winds, storms, etc.). Power would be restored after equipment is inspected and prepared to be safely activated.

Mayor Samra opened and closed this item to the public at 7:22 p.m., as there were no comments from the public.

2. Introduction of New Executive Assistant/Deputy City Clerk Monica Cisneros and Swear-in by Mayor Gurpal Samra.

Mayor Samra swore in Executive Assistant/Deputy City Clerk Monica Cisneros.

City Manager Ramirez introduced new Executive Assistant/Deputy City Clerk Monica Cisneros. He gave her biography which included a background working for a law firm.

ANNOUNCEMENTS AND REPORTS

Supervisor Rodrigo Espinoza Announcements and Reports.

None.

Representative from Adam Gray's Office announced that they will be hosting a mobile office session in Atwater on April 25th. They will also be providing Tax Assistance on April 6th.

City Staff Announcements and Reports.

Public Works Director Chaverria announced that Well #13 is back in operation. The casing and screening of Well #11 has also been repaired and the gravel pack is also being repaired.

Code Enforcement staff gave background information regarding their program, schedule, funding source, etc. Their responsibilities include health and safety related matters and other matters addressed in the Municipal Code. Reoccurring issues include illegal camp sites throughout the community and within vacant homes. Another reoccurring issue is improper alley management with residents discarding waste within alley right-of-way. Lastly, another noticeable violation is the installation of illegal unpermitted sheds with improper electrical wiring and violations with setback requirements. Code Enforcement is working to remediate these issues by initiating education campaigns and engaging in a notification/citation process.

City Manager Ramirez added that the City approaches code enforcement in a collaborative manner.

Fire Department Staff gave their incident activity report which included a total of 257 incidents within City limits reported for the year of 2019. The Fire Department showcased their new Type IV engine. The Fire Department assisted with reading week at Yomato Middle School, assisted with the Livingston Sikh Festival, will host the Fire Department's Annual Pancake breakfast, and will conclude fire inspections at Livingston High School.

Police Chief Chavez gave a power point presentation regarding their Annual Department Update. Recent activities included facilitating the Police Explorers Laguan Secca Kick Off Meeting. Staff attended the California Police Chiefs Conference to discuss local, regional, and State-wide Police-related topics. Police staff also attended the USP Federal Prison and Atwater Community Relations meeting. The City recently hosted POST Training for neighboring communities and discussed how to deescalate interactions with uncompromising residents. Police staff also attended the League of Cities Community Services Policy Committee in Costa Mesa discussing housing-land issues and other matters. Police staff assisted with the Hola Mohalla Festival. National Take back day will be hosted at the Police Department lobby on April 27th.

City Manager Announcements and Reports.

City Manager Ramirez announced that the ACE train is considering installing a platform in either Livingston or Atwater. The City has pledged to help fund the platform and station. The Proposition 68 workshop will be hosted by the City sometime this Spring. Moreover, the City is currently working on a Tax Sharing Agreement with Merced County. In addition, the City is providing information about the Gross Receipt Ordinance at City Hall (rate and formula).

City Council Members' Announcements and Reports.

Council Member Kang announced that he attended Hola Mohalla. He thanked Police, Fire, and Public Works staff for their support and services.

Mayor's Announcements and Reports.

Mayor Samra announced that during the last LAFCO meeting there were questions between LAFCO and the Water Board, regarding connecting water utilities in County jurisdictions. Moreover, Mayor Samra thanked City staff for their work at Hola Mohalla.

PUBLIC HEARINGS

- 3. Resolution Approving Economic Development Incentive Agreement between City of Livingston and Foster Poultry Farms.

City Manager Ramirez introduced this item.

Mayor Samra opened the Public Hearing at 8:11 p.m.

David Blevins, Livingston, noted that the three-year term for the Economic Incentive is not a long duration. Mr. Blevins also asked for the funding source to pay for this item.

Mayor Samra closed the Public Hearing at 8:13 p.m., as there were no further comments from the public.

The City Council agreed to postpone this item to the next regularly scheduled City Council Meeting on April 16, 2019.

Motion: M/S Baptista/Kang to continue this item to the next regularly scheduled City Council Meeting on April 16, 2019. The motion carried 3-0-2 by the following roll call vote:

AYES:	Council Members:	Baptista, Kang, Samra
NOES:	Council Members:	None
ABSENT:	Council Members:	Aguilar, Garcia

CITIZEN COMMENTS

Mayor Samra opened Citizen Comments at 8:14 p.m.

Katherine Schell-Rodriguez, Livingston, inquired about the length of Warrant Register. She also noted that over \$44,000 was given to the City Engineer's Office. Mrs. Schell-Rodriguez asked if the details of this expense, and future similar expenses, can be broken down to show how expenses are being itemized.

Finance Director Grant replied that the Warrant Register was reduced and consolidated to save paper and associated expenses. The City will consider posting a detailed version of the warrants on the City's website.

Mayor Samra closed Citizen Comments at 8:18 p.m., as there were no further comments from the public.

CONSENT AGENDA

4. Approval of Meeting Minutes Held on February 19, 2019.
5. Approval of Meeting Minutes Held on March 05, 2019.
6. Approval of Warrant Register Dated March 27, 2019.

Mayor Samra opened and closed Public Comments at 8:20 p.m., as there were no comments from the public.

Council Member Baptista noted that the minutes of February included previous Council Members on some of the voting results. This is probably a typo that should be corrected.

Motion: M/S Baptista/Samra to approve the Consent Agenda with corrections to the Meeting Minutes of February 19, 2019. The motion carried 3-0-2 by the following roll call vote:

AYES:	Council Members:	Baptista, Kang, Samra
NOES:	Council Members:	None
ABSENT:	Council Members:	Aguilar, Garcia

DISCUSSION AND POTENTIAL ACTION ITEMS

7. Resolution Approving the Sale of Property Located Near the Southwest Corner of Olive Avenue and North Main Street.

City Manager Ramirez introduced this item. He noted that this item is being brought back to the Council because the previous buyer was not able to meet their obligations.

Mayor Samra opened and closed Public Comments at 8:23 p.m., as there were no comments from the public.

Motion: M/S Baptista/Samra to adopt Resolution 2019-19 Approving the Sale of Property Located Near the Southwest Corner of Olive Avenue and North Main Street. The motion carried 3-0-2 by the following roll call vote:

AYES:	Council Members:	Baptista, Kang, Samra
NOES:	Council Members:	None
ABSENT:	Council Members:	Aguilar, Garcia

8. Resolution Adopting a Motion Increasing the General Budget to Appropriate \$25,000 of the General Fund Unappropriated Fund Balance for Fiscal Year 2018/2019.

City Manager Ramirez introduced this item.

City Attorney Sanchez noted that a receivership is a party appointed by the court, who could remediate a property to meet basic code requirements.

City Manager Ramirez reported that the City has two properties that are in dire conditions and require additional funds to improve the properties.

Motion: M/S Baptista/Kang to adopt Resolution 2019-20 Adopting a Motion Increasing the General Budget to Appropriate \$25,000 of the General Fund Unappropriated Fund Balance for Fiscal Year 2018/2019. The motion carried 3-0-2 by the following roll call vote:

AYES:	Council Members:	Baptista, Kang, Samra
NOES:	Council Members:	None
ABSENT:	Council Members:	Aguilar, Garcia

9. Resolution Awarding a Contract to Gouveia Engineering, Inc. and Authorizing the City Manager to Execute the Agreement for On-Call Engineering Services for Federally Funded Transportation Projects for the City of Livingston.

City Manager Ramirez noted that the City has received applications from 4 different firms regarding this item for transportation projects

Mayor Samra opened Public Comments at 8:29 p.m.

Katherine Schell-Rodriguez, P.O. Box 163, asked if Principal Engineer Noe Martinez works for Gouveia Engineering and another company.

City Manager Ramirez replied that Noe Martinez works exclusively for Gouveia Engineering.

Mayor Samra closed Public Comments 8:32 p.m., as there were no further comments from the public.

Motion: M/S Baptista/Kang to adopt Resolution 2019-21 Awarding a Contract to Gouveia Engineering, Inc. and Authorizing the City Manager to Execute the Agreement for On-Call Engineering Services for Federally Funded Transportation Projects for the City of Livingston. The motion carried 3-0-2 by the following roll call vote:

AYES:	Council Members:	Baptista, Kang, Samra
NOES:	Council Members:	None
ABSENT:	Council Members:	Aguilar, Garcia

10. Gallo 9 Lot Subdivision Discussion.

City Manager Ramirez introduced this item and noted that Gallo would like the City to modify their conditions of approval. Some of their issues include installation of the concrete masonry wall within their project area.

No action was taken by the City Council.

ADJOURNMENT

The meeting was adjourned by consensus at approximately 8:42 p.m.

City Clerk of the City of Livingston

APPROVED:

Mayor or Mayor ProTempore

The written meeting minutes reflect a summary of specific actions taken by the City Council. They do not necessarily reflect all of the comments or dialogue leading up to the action. All meetings are digitally recorded and are an official record of the meeting's proceedings. Digitally recorded verbatim minutes are available, upon request, and may be obtained at Livingston City Hall.



MEETING MINUTES

CLOSED SESSION/REGULAR MEETING LIVINGSTON CITY COUNCIL MAY 7, 2019

A Closed Session/Regular Meeting of the Livingston City Council was held on May 7, 2019, in the City Council Chambers with Mayor Samra presiding.

CALL TO ORDER

Mayor Samra called the meeting to order at 6:04 p.m.

ROLL CALL

- Mayor Gurpal Samra
- Mayor Pro-Tem Raul Garcia
- Council Member Maria Baptista-Soto
- Council Member Juan Aguilar (Late Attendance)
- Council Member Gagandeep Kang

Mayor Samra opened and subsequently closed Citizen Comments at 6:05 p.m., as there were no comments from the public.

CLOSED SESSION

Mayor Samra opened the meeting for public comments at 6:06 p.m. There were no comments and the Council went into Closed Session immediately thereafter to discuss the following matters:

1. Conference with Real Property Negotiator
(Government Code Section 54956.8)
Real Property:
APN: 024-154-005-000
APN: 024-153-003-000
APN: 024-153-011-000
APN: 024-147-006-000
Negotiating Parties for City: Jose Antonio Ramirez, City Manager
Under Negotiation: Potential Property Sale

2. Conference with Labor Negotiator
(Government Code Section 54957.6)
Labor Negotiator: Jose Antonio Ramirez, City Manager
Employee Organizations: OE3 - Police Supervisory Employees Association.
OE3 - Management/Confidential Bargaining Unit
OE3 - Livingston Police Officer Association
AFSCME – Public Works and Parks Unit
All Represented and Unrepresented City Employees
3. Conference with Legal Counsel – Potential Litigation
(Government Code Section 54956.9(d)(2))
Number of Cases: 1
4. Conference with Legal Counsel – Existing Litigation
(Government Code Section 54956.9(d)(1))
Number of Cases: Livingston 75, L.P. vs. City of Livingston
Merced County Superior Court – Case No. 19CV-00930

REGULAR MEETING

Mayor Samra called the meeting to order at 7:14 p.m.

PLEDGE OF ALLEGIANCE

The pledge of allegiance to the flag was recited.

ROLL CALL

- Mayor Gурpal Samra
- Mayor Pro-Tem Raul Garcia
- Council Member Maria Baptista-Soto
- Council Member Juan Aguilar
- Council Member Gagandeep Kang

CLOSED SESSION ANNOUNCEMENTS

No reportable action was taken.

Mayor Samra noted that although there was no financial conflict of interest, Council Member Kang recused himself from the Livingston Police Officer Association bargaining portion.

CHANGES TO THE AGENDA

None.

AWARDS, PRESENTATIONS, PROCLAMATIONS

1. Introduction of new police volunteer Gordon Wilkinson by Police Chief Ruben Chavez.

Police Chief Ruben Chavez introduced Gordon Wilkinson. He provided some background of Mr. Wilkinson family, education, and work history. He welcomed Mr. Wilkinson to the Police Department and presented him with a challenge coin.

Mayor Samra asked which badge Wilkinson has.

Police Chief Ruben Chavez responded that Wilkinson has the Victor 2 badge.

2. Presentation by Police Chief Ruben Chavez: Recognition of Public Works Employee, Jaime Tafoya, for Service to Public Safety.

Police Chief Ruben Chavez introduced this item. Jaime Tafoya is being recognized for keeping an eye on the community. Mr. Tafoya reported the whereabouts of a vehicle that the police department was trying to locate for reckless driving. The reckless driver who was unlicensed and associated with lots of bad people was safely stopped, arrested, and charged. Mr. Tafoya was presented with a challenge coin.

3. Presentation by Michael M. Abassian, Public Health Associate, Merced County Department of Public Health: Farmers' Market Promotion Program (FMPP) 2018-2019.

Michael Abassian gave a presentation on the City's Certified Farmers' Market. He noted that the health department received a 3-year grant funded by the USDA from 2017 through 2019. They are the only certified farmers' market in the County that accepts CalFresh EBT. They also accept WIC, Senior Vouchers, and Farmers Market Program Vouchers. Some of their challenges with the market include farmer retention, residents not buying from the market, and funding. Some solutions to the challenges are to waive fees, promote the market, and do fundraising events.

4. Presentation by Jaspreet Kaur and Deep Singh - Jakara Movement Presentation.

Jaspreet Kaur and Deep Singh gave a PowerPoint presentation on their organization. The Jakara Movement was founded in 2000 and mainly focuses on the youth. Their organization provides youth with leadership, engagement, and empowerment.

Mayor Samra thanked Kaur and Singh for everything they have done and for being involved in the Census 2020.

City Manager Ramirez acknowledges their excellent work across the valley.

ANNOUNCEMENTS AND REPORTS

Supervisor Rodrigo Espinoza Announcements and Reports.

County Supervisor Rodrigo Espinoza thanked Gordon Wilkinson for all his years serving and supporting this community. County Supervisor Espinoza reported that he attended the State Legislative Action Day and San Joaquin Valley Rail Committee Meeting. He noted that the Valley Rail Group wants to start a Saturday service from Sacramento to Bakersfield and a 3-way bus program from Madera to San Jose. County Supervisor Espinoza also mentioned that the County Board of Supervisors voted the ROPs for the third face for the campus parkway expansion. Moreover, County Supervisor Espinoza stated that he addressed the Revenue and Share Agreement with Livingston. He mentioned that Livingston is the only City without a Revenue and Share Agreement. Lastly, Supervisor Espinoza invited the community to a town hall

meeting in Planada on May 15, 2019, at 6:00 p.m. In South Merced, they will be having a representative from Gang Task Force on May 16, 2019.

Mayor Samra noted that the City received the Revenue and Share Agreement but have not yet reviewed the document.

Supervisor Espinoza stated that some farmers have been inquiring about the timing of the general plan.

Council Member Aguilar asked if he will be having a town hall meeting in Livingston.

County Supervisor Espinoza responded that maybe next year.

City Staff Announcements and Reports.

Parks and Recreation Superintendent Benoit gave an update on Parks and Recreation related activities. These activities included Splash of Color Run, Farmers' Market, swim team, soccer, and Music in Memorial park. Superintendent Benoit brought to the City Council's attention that the recreation commission term is coming to an end and would like the recreation commission term to be extended to a four (4) year term.

Council Member Aguilar asked when the Battle of Badges softball game will be held.

Parks and Recreation Superintendent Benoit responded that the Gun and Hoses event will be held on May 18, 2019, and game time is at 6:00 p.m.

Council Member Aguilar asked Superintendent Benoit if she could talk about the grant that was discussed at the last commission meeting of April 25, 2019.

Parks and Recreation Superintendent Benoit announced that they are in the process of applying for Prop 68 which will fund a recreation center. They will be having their fourth engagement at their next meeting scheduled for May 16, 2019. They will be discussing items selected to go into their building which include a gymnasium, dance room, art class, basketball courts, lounge area, commercial kitchen, bathrooms, barbeque pits, shades, tables, Wi-Fi, etc.

City Manager Ramirez indicated the opportunity to apply for a grant up to eight million dollars. He informed the public that they are working hard to be able to have an indoor and outdoor recreation.

Parks and Recreation Superintendent Benoit announced that they are getting ready to start the mural.

City Manager Ramirez stated that the mural could boost economic development and bring more people from other areas.

City Manager Ramirez expressed the importance of youth empowerment and engagement. He made a recommendation to the City Council to have an open seat in the recreation commission for the youth.

Council Member Aguilar agreed with City Manager Ramirez and stated that this will allow the youth to get involved with the community and City.

Fire Battalion Chief Carter gave a PowerPoint presentation highlighting the Fire Department's Emergency Activity Report. Within City limits, there were 58 medical aids, 5 vehicle accidents, 4 alarm soundings, 2 public assistance, 1 vegetation fire, and 1 structure fire. There were 333 incidents within the City and 214 within the County with a total of 547 incidents to date. He also discussed community outreach, upcoming events, and staff training.

Police Chief Chavez gave a PowerPoint presentation of their Annual Department Update. He indicated that he attended the Law Enforcement Executive Development, which provided him the opportunity to network with executives and also see programs that are out there. One of the programs that interest him was the CAPE Drone First Responder Program. He is looking into implementing this program and is working with local businesses to help sponsor the program. He discussed Congressman Jim Costa's visit to the police department, Dispatcher of the Year Luncheon, Police Officer of the Year Banquet, and explorers recondition awards and promotions.

City Manager Announcements and Reports.

City Manager Ramirez reported that he and the City Attorney will be looking at updating the Itinerant Vendor Ordinance to make it easier to interpret. Furthermore, the City has received an MOU from Merced Irrigation to provide access of surface water to parks and portable drinking water systems. Lastly, the City appraised an abandon well site located off of Hammett and F Street. The City will be negotiating with an interested party who wants to purchase the abandon well site from the City.

City Manager Ramirez asked when the Type 6 unit will be going on call.

Fire Battalion Chief Carter responded that the goal is June 1.

City Council Members' Announcements and Reports.

Council Member Aguilar noted that the One Voice trip in Washington D.C. was very successful. He was able to obtain grant information, meet with many agencies, and advocate for the City of Livingston. Council Member Aguilar also attended the 2019 Senior Scholarship gathering and presented a scholarship to two (2) students on behalf of the City of Livingston Recreation of Arts and MCAG. Lastly, he thanked everyone who attended the Annual Pancake Breakfast.

Mayor Pro Tem Garcia reported that he attended the One Voice trip in Washington D.C. and participated in strike team 3, which concentrated in homelessness and veterans. The strike team provided him with information on different programs out there to assist the veterans. He invited the public to contact him if they were interested in veteran programs.

Mayor's Announcements and Reports

Mayor Samra noted that the One Voice program provides our Council Members with great information. In other news, he is looking forward to the Color Run.

CITIZEN COMMENTS

Mayor Samra opened Citizen Comments at 8:40 p.m.

Jose Moran, 945 Parkview Drive, invited the community to the first Pet Festival on May 23, 2019, at Downtown Farmers Market. The Merced County Animal Shelter and other agencies will be providing information on how to care for pets.

Mayor Samra closed Citizen Comments at 8:42 p.m., as there were no further comments from the public.

CONSENT AGENDA

5. Approval of Minutes of Meeting Held on March 19, 2019.
6. Approval of Warrant Register Dated May 2, 2019.
7. Second Reading and Adoption of Ordinance No. 638 Ordinance of the City Council of the City of Livingston Acting in its Capacity as the Legislative Body of the City of Livingston Community Facilities District No. 2017-1 (Public Services) Authorizing the Levy of a Special Tax Therein.

Motion: M/S Garcia/Baptista-Soto to approve the Consent Agenda. The motion carried 5-0-0 by the following roll call vote:

AYES:	Council Members:	Baptista-Soto, Aguilar, Kang, Garcia, Samra
NOES:	Council Members:	None
ABSENT:	Council Members:	None

DISCUSSION AND POTENTIAL ACTION ITEMS

8. Resolution No. 2019- ____, Authorizing the City Manager to Sign the Letter of Commitment with Trane Building Advantage and the City of Livingston, to Enter Into a Detailed Engineering Phase for a Trane Comprehensive Solution Project.

City Manager Ramirez introduced this item.

Mayor Samra stated that he had a question regarding the statement on the Letter of Commitment that states, "The City of Livingston will pay all outside Engineering and Project Management cost incurred." He asked if there is a limit on how much the City has to pay.

A Representative from Trane responded that in the packet, there is a list of costs that may be incurred that equal the \$118,000, which is the cap. If they go all the way through the investment grade audit and the City decides not to go forward, this will be the only time the City will see the \$118,000 charge. If the City goes ahead, then the costs will be wrapped into the project.

Mayor Samra stated that he wants to make sure that at no time will it go over the limit.

A Representative for Trane replied that it is \$118,000 for the investment grade audit.

Mayor Samra opened and closed Public Comments at 8:53 p.m., as there were no comments from the public.

Mayor Samra announced that there is no downside to this item other than him being cautious regarding the City paying outside Engineering and Project Management costs.

City Attorney Sanchez requested that we add "in a form approved by the City Attorney" to the Resolution (on Page 1, Number 2). He will also give one last look at the letter in case it needs minor edits.

Motion: M/S Garcia/Kang to add on Page 1, Number 2 of the Resolution the following: “in a form approved by the City Attorney” and adopt Resolution #2019-26 as amended, Authorizing the City Manager to Sign the Letter of Commitment with Trane Building Advantage and the City of Livingston, to Enter Into a Detailed Engineering Phase for a Trane Comprehensive Solution Project. The motion carried 5-0-0 by the following roll call vote:

AYES:	Council Members:	Baptista-Soto, Aguilar, Kang, Garcia, Samra
NOES:	Council Members:	None
ABSENT:	Council Members:	None

City Manager Ramirez stated that since summer is around the corner, he will make sure that Trane is provided with any items needed by the City to speed up to process.

A Representative from Trane responded that they desire to do that as well.

9. Resolution Appointing a Second Alternate Member to the Planning Commission.

Mayor Samra asked if anyone wished to recuse themselves.

Clerks Notes: Council Member Kang noted that one of the candidates is his brother (Wapinder Kang). He has no financial interest but prefers to recuse himself. He left the Council Chambers at 8:57 p.m. before this item was discussed.

Mayor Samra announced that despite the fact that there is no financial interest Council Member Kang still wishes to recuse himself.

City Attorney Sanchez clarifies that Council Member Kang has no financial interest under the Political Reform Act or section 1090. His recusal is merely to avoid any perception issues.

City Manager Ramirez introduced this item.

Mayor Samra opened and closed Public Comments at 8:58 p.m., as there were no comments from the public.

Mayor Samra announced that there are four (4) applicants. He asked all applicants to introduce themselves.

Wapinder Kang, 657 Calero Ct, an applicant for the position, provided some background information and announced that he is interested in the position because he wants to represent all the citizens who had previously voted for him (as Mayor).

Renee C. Waite, 310 Dosangh Ct, an applicant for the position, provided some background of her family and work history. She announced that she is interested in the position because she would like the opportunity to give back to the City.

Jose Moran, 945 Park View Dr., an applicant for the position, provided some background information and announced that he is interested in the position because it's an opportunity for him to continue serving the community and City of Livingston, to give back to the City, and to be a role model to others in the community.

David Blevins, 1019 4th St, an applicant for the position, announced that he served on the Planning Commission in the past and has the experience. He is interested in the position because he would like to assist in bringing more businesses to the City of Livingston.

Council Member Aguilar thanked the applicants for participating and getting involved in the community. He announced that he would like to nominate Wapinder Kang as the second alternate to the Planning Commission.

City Attorney Sanchez announced for the record that the motion is to adopt the resolution filling in the blank with Wapinder Kang's name.

Motion: M/S Aguilar/Samra to appoint Wapinder Kang as the second alternate member to the Planning Commission. The motion carried 3-1-0-1 by the following roll call vote:

AYES:	Council Members:	Aguilar, Garcia, Samra
NOES:	Council Members:	Baptista-Soto
ABSENT:	Council Members:	None
ABSTAIN:	Council Members:	Kang

Clerk's Note: Council Member Kang returned after the action was taken at 9:07 p.m.

Mayor Samra informed Wapinder Kang that he would like for him to get sworn in before the next Planning Commission meeting of May 14, 2019. A public swearing-in will be held at the next council meeting.

City Manager Ramirez thanked all the applicants for applying for the position.

Mayor Samra recognized all applicants that are involved in the community and City and encouraged them to participate in other opportunities out there.

Council Member Aguilar informed the applicants that there are other opportunities out there for them to participate. He also stated that the City Council recognizes everything they do and are proud of them.

Mayor Samra informed the public that there will be no council meeting on May 21, 2019.

ADJOURNMENT

The meeting was adjourned by consensus at approximately 9:10 p.m.

Deputy City Clerk of the City of Livingston

APPROVED:

Mayor or Mayor ProTempore

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STAFF REPORT

AGENDA ITEM: Approval of Warrant Register dated May 20, 2019

MEETING DATE: June 4, 2019

PREPARED BY: Nancy Fuentes, Sr. Account Clerk

REVIEWED BY: Jose Antonio Ramirez, City Manager

RECOMMENDATION:

Approve warrant register dated May 20, 2019

DISCUSSION:

In accordance with Section 37202 of the Government Code of the State of California there is presented here with a summary of the demands against the City of Livingston covering obligations to be paid during the period of:

May 7, 2019 – May 20, 2019

Each demand has been audited and I hereby certify to their accuracy and that there are sufficient funds for their payment as of this date.

**IT IS HEREBY RECOMMENDED THE CITY COUNCIL
APPROVE THE REGISTER OF DEMANDS AS FOLLOWS:**

GENERAL WARRANTS.....\$	474,436.28	#92820-92947
PAYROLL WARRANTS.....\$	171,507.83	#40868-40897
TOTAL WARRANTS.....\$	645,944.11	
TOTAL WIRE TRANSACTIOS.....\$	94,236.83	

ATTACHMENTS:

Accounts payable checks by date, summary by check number register.

Clearing House

Electronic AP Proof List

User: Danna
Printed: 05/20/2019 - 8:37AM
Batch: 00001.05.2019



Source	Vendor	Name	Transfer/Route	Check Digit	Account No	amount
AP5 720-05-2019	KEEN	Keenan & Associates,	1220/0049	6	2100711853	94,236.83
Records Printed:	1					94,236.83

Accounts Payable

Checks by Date - Detail by Check Date

User: nfuentes
 Printed: 5/21/2019 9:23 AM



Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
92820	alameda3 001	Alameda Country Sheriff EVOC and Arrest and Control Training for 10 of	05/02/2019	1,750.00
Total for Check Number 92820:				1,750.00
92821	Bradshaw April 2019	Chuck Bradshaw April 2019 Farmers Market Management	05/02/2019	834.87
Total for Check Number 92821:				834.87
92822	FAMILYSU Held 043019	California State Aguilar 0999010753-01 PP ending 04/30/2019	05/02/2019	133.11
Total for Check Number 92822:				133.11
92823	GARCMELA Ballet 0419	Melanie Garcia Contract Payment for the month of April 2019	05/02/2019	661.50
Total for Check Number 92823:				661.50
92824	GonzalAI 001	Alexy Gonzalez Scholarship award 2019	05/02/2019	500.00
Total for Check Number 92824:				500.00
92825	ramire Karate 0419	Alvaro Ramirez Contract Payment for the month of April 2019	05/02/2019	469.00
Total for Check Number 92825:				469.00
Total for 5/2/2019:				4,348.48
92826	FINANCED 001	City of Livingston change/petty cash M. Arevalo meal reimbursement/ CLEARS	05/06/2019	8.91
	002	K Lucas reimbursement for raffle gift/ city party		51.48
	003	D Villarreal meal reimb.		4.92
	004	M Arevalo registration for CLEARS Mtg		30.00
	005	M Arevalo meal reimbursement/ Cal NENA		110.38
	006	D. Soria meal reimbursement/ Cal NENA		95.71
	007	D. Villarreal meal reimbursement		15.00
	008	N. Kirk meal reimbursement		15.00
	009	Z Baldevia meal reimbursement		15.00
	010	T. Kollmann Fuel reimbursement		92.84
	011	T. Griffin meal reimbursement		157.62
	012	C. Soria meal reimbursement		152.67
	013	D Soria/Officer of the year Reimbursement		160.00
Total for Check Number 92826:				909.53
92827	GENTRY1	Howard Gentry	05/06/2019	

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	001	Music in Memorial on Monday performance Rhy		500.00
Total for Check Number 92827:				500.00
92828	RAMIJOSE	Jose Antonio Ramirez	05/06/2019	
	001	Reimbursement for Bridge Toll		4.00
	002	Reimbursement for Meeting with Fresno Labor C		19.58
	003	Reimbursement for Meeting with Police Adm		30.92
	004	Reimbursement for Meeting with Wells Fargo		46.05
	005	Reimbursement for Misc Meeting		8.64
	006	Reimbursement for Misc Meeting		7.70
	007	Reimbursement for Misc Meeting		16.68
	008	Reimbursement for Mexican Consulate Delegati		275.55
	009	Reimbursement for Mexican Consulate Delegati		47.97
	010	Reimbursement for Legislative Latino Caucus n		113.68
	011	Reimbursement for mileage 214 miles Roundtrip		124.12
	012	Reimbursement for mileage 338 Miles Roundtrip		196.04
	013	Reimbursement for mileage 280 Miles Roundtrip		162.40
Total for Check Number 92828:				1,053.33
Total for 5/6/2019:				2,462.86
92829	AMEREXPR 111-5198784	American Express Art Supplies for recreation	05/10/2019	194.32
Total for Check Number 92829:				194.32
92830	brenntag BPI924228	Brenntag Pacific Inc. Chlorine & sodium hypochlorite	05/10/2019	1,777.82
Total for Check Number 92830:				1,777.82
92831	FAMILYSU Held 05/04/19 Held 05/04/2019 Held 5/4/2019	California State Case 0993764321-01 Mejia PR ending 05/04/19 200000000434371 & 200000001251470 PR End 200000000470014/FIPS Code 0600099 PR Endi	05/10/2019	369.23 512.76 1,484.30
Total for Check Number 92831:				2,366.29
92832	CWEA-CSJ 001	CWEA-CSJ JC and AC. to attend collection system maint Tra	05/10/2019	125.00
Total for Check Number 92832:				125.00
92833	Latino 001	Latino Community Foundation Sponsor event	05/10/2019	3,500.00
Total for Check Number 92833:				3,500.00
92834	LHSHBAND 001	LIVINGSTON HIGH SCHOOL BAND Music in Memorial on Monday Performance Ma	05/10/2019	500.00
Total for Check Number 92834:				500.00
92835	LMS01 002	Livingston Middle School Band Music in memorial on monday performance May	05/10/2019	500.00
Total for Check Number 92835:				500.00
92836	TAFOYAJ	Jaime Tafoya	05/10/2019	

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	002	color run DJ		200.00
Total for Check Number 92836:				200.00
Total for 5/10/2019:				9,163.43
92838	HammarM 001	Mike Hammar Music in the Park for May 20	05/20/2019	500.00
Total for Check Number 92838:				500.00
Total for 5/20/2019:				500.00
92841	A&APORTA 1-746742 1-747181 1-747190	A & A Portables Inc. Portable for Fred Worden 04/1/2019-04/30/19 Late fees for corp yard portables Portable for Court Park 04/1/2019-04/30/19	05/21/2019	168.23 0.76 270.69
Total for Check Number 92841:				439.68
92842	abs 81573 81573 81573 81573 81725 81725 81725	ABS Direct, Inc. Utilities statement for May 2019 Utilities statement for May 2019 Utilities statement for May 2019 Utilities statement for May 2019 Delinquent Notices for May 2019 Delinquent Notices for May 2019 Delinquent Notices for May 2019	05/21/2019	212.16 274.47 274.45 274.45 35.85 35.84 35.84
Total for Check Number 92842:				1,143.06
92843	SPRINGBR INV-ACC45754 INV-ACC45754 INV-ACC45754 INV-ACC45754	ACCELA, INC. #774375 Bank Rec Data And Training Bank Rec Data And Training Bank Rec Data And Training Bank Rec Data And Training	05/21/2019	127.20 127.20 127.20 127.20
Total for Check Number 92843:				508.80
92844	ashby 2671 2672	Adams Ashby Group, Inc. General Admin for 16-CDBG-11142 OOR Program Merchant Loan	05/21/2019	2,090.00 9,156.00
Total for Check Number 92844:				11,246.00
92845	ASI 153338 153338 153338	Administrative Solutions Inc PR Batch 00004.05.2019 ASI Monthly medical for May 2019 Monthly medical for May 2019 Monthly medical for May 2019	05/21/2019 PR Batch 00004.05.2019 ASI	30.00 10.00 10.00 10.00
Total for Check Number 92845:				60.00
92846	advchem 232221 232221 232221 232221 232221	Advanced Chemical Transport Inc. Hazardous waste pick up for disposal Hazardous waste pick up for disposal Hazardous waste pick up for disposal Hazardous waste pick up for disposal Hazardous waste pick up for disposal	05/21/2019	178.87 180.98 180.98 181.89 180.86

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	232221	Hazardous waste pick up for disposal		181.97
	232221	Hazardous waste pick up for disposal		180.97
Total for Check Number 92846:				1,266.52
92847	ALHAMBR/ 14654651 050519 14663340 050319	Alhambra & Sierra Springs Drinking water for CH 04/18/2019 Drinking water for PW 04/04/2019	05/21/2019	79.43 149.52
Total for Check Number 92847:				228.95
92848	allstael 1837	All Star Elite Sports Color run T.shirts	05/21/2019	3,538.87
Total for Check Number 92848:				3,538.87
92849	AFAFLEX	American Fidelity Assurance Company PR Batch 00004.05.2019 Health FSA	05/21/2019 PR Batch 00004.05.2019 Hea	216.64
Total for Check Number 92849:				216.64
92850	animalme 345174 347108 349319 349844 352547 352549 353520 355626 361068 361069 364986	Animal Medical Center Vet Fees Vet Fees Vet Fees Vet Fees Vet Fees Vet Fees Vet Fees Vet Fees Vet Fees Vet Fees VET FEes	05/21/2019	121.73 86.17 488.76 422.17 287.82 62.16 303.01 64.63 103.80 66.13 212.53
Total for Check Number 92850:				2,218.91
92851	att1 28727717126404 28727717126404 28727717126404 28727717126404 28727717126404 28727717126404 28727717126404 28727717126404 28727717126404 28727717126405 28727717126405 28727717126405 28727717126405 28727717126405 28727717126405 28727717126405 28727717126405 28727717126405	AT & T Mobility City Manager & Council Members Phone service City Manager & Council Members Phone service City Manager & Council Members Phone service City Manager & Council Members Phone service City Manager & Council Members Phone service City Manager & Council Members Phone service City Manager & Council Members Phone service City Manager & Council Members Phone service City Manager & Council Members Phone service City Manager & Council Members Phone service City Manager & Council Members Phone service City Manager & Council Members Phone service City Manager & Council Members Phone service City Manager & Council Members Phone service City Manager & Council Members Phone service City Manager & Council Members Phone service City Manager & Council Members Phone service City Manager & Council Members Phone service	05/21/2019	39.16 37.72 29.34 39.16 37.72 51.70 29.34 29.34 39.16 29.33 41.53 30.51 51.70 37.72 29.34 37.72
Total for Check Number 92851:				590.49
92852	calnet 000012978859	AT&T DOJ Connection	05/21/2019	236.89
Total for Check Number 92852:				236.89
92853	AFSCME	AFSCME District Council 57 Attn: Finance	05/21/2019	

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	Union052019	Union Dues PR 05/04/19 & PR 05/18		652.21
Total for Check Number 92853:				652.21
92854	Axon SI-1587889	Axon Enterprise, Inc. Left hand taser holsters	05/21/2019	344.80
Total for Check Number 92854:				344.80
92855	B&B 00267289 00267387	B & B U-Joint for street sweeper nut for street sweeper	05/21/2019	22.01 28.57
Total for Check Number 92855:				50.58
92856	bavco 899672	Backflow Apparatus & Valve Co. Parts for Don Meyer Park Backflow	05/21/2019	119.45
Total for Check Number 92856:				119.45
92857	bouchers 5870	Boucher's Red Wing Dept. Work boots per MOU for Dustin Cunningham	05/21/2019	0.57
	5870	Work boots per MOU for Dustin Cunningham		1.99
	5870	Work boots per MOU for Dustin Cunningham		0.74
	5870	Work boots per MOU for Dustin Cunningham		0.42
	5870	Work boots per MOU for Dustin Cunningham		0.47
	5870	Work boots per MOU for Dustin Cunningham		26.25
	5870	Work boots per MOU for Dustin Cunningham		1.33
	5870	Work boots per MOU for Dustin Cunningham		0.36
	5870	Work boots per MOU for Dustin Cunningham		15.00
	5870	Work boots per MOU for Dustin Cunningham		0.25
	5870	Work boots per MOU for Dustin Cunningham		1.11
	5870	Work boots per MOU for Dustin Cunningham		2.85
	5870	Work boots per MOU for Dustin Cunningham		15.00
	5870	Work boots per MOU for Dustin Cunningham		0.54
	5870	Work boots per MOU for Dustin Cunningham		0.03
	5870	Work boots per MOU for Dustin Cunningham		0.34
	5870	Work boots per MOU for Dustin Cunningham		26.25
	5870	Work boots per MOU for Dustin Cunningham		0.83
	5870	Work boots per MOU for Dustin Cunningham		0.17
	5870	Work boots per MOU for Dustin Cunningham		0.14
	5870	Work boots per MOU for Dustin Cunningham		0.05
	5870	Work boots per MOU for Dustin Cunningham		0.09
	5870	Work boots per MOU for Dustin Cunningham		0.04
	5870	Work boots per MOU for Dustin Cunningham		0.61
	5870	Work boots per MOU for Dustin Cunningham		0.15
	5870	Work boots per MOU for Dustin Cunningham		52.50
	5870	Work boots per MOU for Dustin Cunningham		0.84
	5870	Work boots per MOU for Dustin Cunningham		0.01
	5870	Work boots per MOU for Dustin Cunningham		0.46
	5870	Work boots per MOU for Dustin Cunningham		0.05
	5870	Work boots per MOU for Dustin Cunningham		0.56
Total for Check Number 92857:				150.00
92858	brenntag BPI940481 BPI942304	Brenntag Pacific Inc. Ferric Chloride for water wells Chorine & Sodium hypochlorine	05/21/2019	1,664.08 2,883.85
Total for Check Number 92858:				4,547.93

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
92859	bsk	BSK Associates	05/21/2019	
	A910985	Quanti-tray 200 Total coliform and E. Coli Sampl		150.00
	A911108	Arsenic, CA DW ICPMS		40.00
	A911308	Arsenic, CA DW ICPMS		40.00
	A911670	Quanti-tray 200 Total coliform and E. Coli Sampl		200.00
	A911689	Quanti-tray 200 Total coliform and E. Coli Sampl		200.00
	A911776	Quanti-tray 200 Total coliform and E. Coli Sampl		75.00
	A911913	TCP low level		1,225.00
	A911914	Arsenic CA DW ICPMS		80.00
	A9120007	EPA 524.2 Well Testing		450.00
Total for Check Number 92859:				2,460.00
92860	CPCA	CA Police Chief's Assoc.	05/21/2019	
	12379	CPCA Membership/ Captain Soria		145.00
	12775	CPCA Membership/ Chief		348.00
Total for Check Number 92860:				493.00
92861	Cal Farm	Cal Farm Services	05/21/2019	
	25097	oil for 2 cycle weed eater and blower		2.81
	25097	oil for 2 cycle weed eater and blower		0.89
	25097	oil for 2 cycle weed eater and blower		0.23
	25097	oil for 2 cycle weed eater and blower		1.04
	25097	oil for 2 cycle weed eater and blower		2.59
	25097	oil for 2 cycle weed eater and blower		3.46
	25097	oil for 2 cycle weed eater and blower		6.85
	25097	oil for 2 cycle weed eater and blower		3.32
	25097	oil for 2 cycle weed eater and blower		3.54
	25097	oil for 2 cycle weed eater and blower		17.59
	25097	oil for 2 cycle weed eater and blower		1.56
	25097	oil for 2 cycle weed eater and blower		2.11
	25097	oil for 2 cycle weed eater and blower		0.33
	25097	oil for 2 cycle weed eater and blower		8.27
	25097	oil for 2 cycle weed eater and blower		5.13
	25097	oil for 2 cycle weed eater and blower		2.23
	25097	oil for 2 cycle weed eater and blower		2.90
	25097	oil for 2 cycle weed eater and blower		12.27
	25097	oil for 2 cycle weed eater and blower		3.79
	25097	oil for 2 cycle weed eater and blower		5.20
	25097	oil for 2 cycle weed eater and blower		0.54
	25097	oil for 2 cycle weed eater and blower		0.18
	25097	oil for 2 cycle weed eater and blower		0.32
	25097	oil for 2 cycle weed eater and blower		4.57
	25097	oil for 2 cycle weed eater and blower		92.66
	25097	oil for 2 cycle weed eater and blower		0.94
Total for Check Number 92861:				185.32
92862	CALJUST 371083	Calif. Dept of Justice Live scans	05/21/2019	
				290.00
Total for Check Number 92862:				290.00
92863	CTEC	California Truck Equipment, Inc.	05/21/2019	
	10278	PO #8581 Ditch Gate Door Chute/Tailgate For N		996.69
	10278	PO #8581 Ditch Gate Door Chute/Tailgate For N		996.69
Total for Check Number 92863:				1,993.38
92864	CVC	Central Valley Concrete Inc.	05/21/2019	

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	106420	Measure V Main St sidewalk repair project		616.87
	107603	Measure V Main St sidewalk repair project		1,205.55
Total for Check Number 92864:				1,822.42
92865	chiefsup 164849	Chief Supply Corp. Badges	05/21/2019	330.00
Total for Check Number 92865:				330.00
92866	cityliv	City of Livingston c/o L & L Dist. Irrigation	05/21/2019	
	UB0419	UB Billing 04/19/2019 101072-032		185.12
	UB0419	UB Billing 04/19/2019 101072-029		106.40
	UB0419	UB Billing 04/19/2019 101072-022		26.02
	UB0419	UB Billing 04/19/2019 101072-025		2.57
	UB0419	UB Billing 04/19/2019 101072-019		18.78
	UB0419	UB Billing 04/19/2019 101072-016		43.81
	UB0419	UB Billing 04/19/2019 101072-011		50.27
	UB0419	UB Billing 04/19/2019 101072-022		10.33
	UB0419	UB Billing 04/19/2019 101072-029		51.32
	UB0419	UB Billing 04/19/2019 101072-029		62.51
	UB0419	UB Billing 04/19/2019 101072-025		5.55
	UB0419	UB Billing 04/19/2019 101072-025		4.87
	UB0419	UB Billing 04/19/2019 101072-031		29.64
	UB0419	UB Billing 04/19/2019 101072-023		28.18
	UB0419	UB Billing 04/19/2019 101072-021		31.08
	UB0419	UB Billing 04/19/2019 101072-031		951.48
	UB0419	UB Billing 04/19/2019 101072-026		92.51
	UB0419	UB Billing 04/19/2019 101072-022		13.40
	UB0419	UB Billing 04/19/2019 101072-022		10.66
	UB0419	UB Billing 04/19/2019 101072-019		20.85
	UB0419	UB Billing 04/19/2019 101072-029		125.95
	UB0419	UB Billing 04/19/2019 101072-029		78.75
	UB0419	UB Billing 04/19/2019 101191-000		80.43
	UB0419	UB Billing 04/19/2019 101072-025		1.78
	UB0419	UB Billing 04/19/2019 101072-029		12.84
	UB0419	UB Billing 04/19/2019 101072-031		15.63
	UB0419	UB Billing 04/19/2019 101072-019		5.56
	UB0419	UB Billing 04/19/2019 101072-019		0.93
	UB0419	UB Billing 04/19/2019 101072-025		46.28
	UB0419	UB Billing 04/19/2019 101072-029		4.88
	UB0419	UB Billing 04/19/2019 101072-030		46.73
	UB0419	UB Billing 04/19/2019 101072-025		3.05
	UB0419	UB Billing 04/19/2019 101072-007		80.43
	UB0419	UB Billing 04/19/2019 101072-025		2.42
	UB0419	UB Billing 04/19/2019 101072-019		7.69
	UB0419	UB Billing 04/19/2019 101072-031		4.18
	UB0419	UB Billing 04/19/2019 101072-021		1.06
	UB0419	UB Billing 04/19/2019 101072-019		9.67
	UB0419	UB Billing 04/19/2019 101072-021		28.80
	UB0419	UB Billing 04/19/2019 101072-019		1.87
	UB0419	UB Billing 04/19/2019 101072-021		13.54
	UB0419	UB Billing 04/19/2019 101072-019		6.70
	UB0419	UB Billing 04/19/2019 110063		72.02
	UB0419	UB Billing 04/19/2019 101072-000		92.56
	UB0419	UB Billing 04/19/2019 101072-021		17.06
	UB0419	UB Billing 04/19/2019 101072-029		24.03
	UB0419	UB Billing 04/19/2019 101072-022		15.49
	UB0419	UB Billing 04/19/2019 101072-029		76.94
	UB0419	UB Billing 04/19/2019 101072-031		33.38

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
UB0419		UB Billing 04/19/2019 101072-029		38.30
UB0419		UB Billing 04/19/2019 101072-030		45.36
UB0419		UB Billing 04/19/2019 101072-018		201.68
UB0419		UB Billing 04/19/2019 101072-025		0.51
UB0419		UB Billing 04/19/2019 101072-022		240.96
UB0419		UB Billing 04/19/2019 101072-019		18.30
UB0419		UB Billing 04/19/2019 101072-030		45.36
UB0419		UB Billing 04/19/2019 101072-022		21.42
UB0419		UB Billing 04/19/2019 101072-031		97.70
UB0419		UB Billing 04/19/2019 101072-021		32.53
UB0419		UB Billing 04/19/2019 101072-031		34.43
UB0419		UB Billing 04/19/2019 101072-021		9.99
UB0419		UB Billing 04/19/2019 101072-029		150.19
UB0419		UB Billing 04/19/2019 101072-019		0.97
UB0419		UB Billing 04/19/2019 101072-021		11.46
UB0419		UB Billing 04/19/2019 101072-021		11.12
UB0419		UB Billing 04/19/2019 101072-029		143.49
UB0419		UB Billing 04/19/2019 101072-028		416.77
UB0419		UB Billing 04/19/2019 101072-022		15.86
UB0419		UB Billing 04/19/2019 101072-026		22.27
UB0419		UB Billing 04/19/2019 101072-022		1.35
UB0419		UB Billing 04/19/2019 101072-021		2.86
UB0419		UB Billing 04/19/2019 101072-031		51.23
UB0419		UB Billing 04/19/2019 101072-031		69.21
UB0419		UB Billing 04/19/2019 101072-031		50.04
UB0419		UB Billing 04/19/2019 101072-021		27.99
UB0419		UB Billing 04/19/2019 101072-019		15.46
UB0419		UB Billing 04/19/2019 101072-031		8.36
UB0419		UB Billing 04/19/2019 101072-001		92.56
UB0419		UB Billing 04/19/2019 101072-025		0.25
UB0419		UB Billing 04/19/2019 101072-025		0.93
UB0419		UB Billing 04/19/2019 101072-004		28.18
UB0419		UB Billing 04/19/2019 101072-031		3.17
UB0419		UB Billing 04/19/2019 101072-019		11.18
UB0419		UB Billing 04/19/2019 101072-019		1.92
UB0419		UB Billing 04/19/2019 101072-022		9.28
UB0419		UB Billing 04/19/2019 101072-021		2.78
UB0419		UB Billing 04/19/2019 101072-021		14.42
UB0419		UB Billing 04/19/2019 101072-029		6.43
UB0419		UB Billing 04/19/2019 101072-022		2.66
UB0419		UB Billing 04/19/2019 101072-022		25.36
UB0419		UB Billing 04/19/2019 101072-026		34.26
UB0419		UB Billing 04/19/2019 101072-025		4.11
UB0419		UB Billing 04/19/2019 101072-031		40.66
UB0419		UB Billing 04/19/2019 101072-019		43.84
UB0419		UB Billing 04/19/2019 109804		28.18
UB0419		UB Billing 04/19/2019 101072-025		1.48
UB0419		UB Billing 04/19/2019 101072-019		21.82
UB0419		UB Billing 04/19/2019 101072-022		0.98
UB0419		UB Billing 04/19/2019 101072-002		28.18
UB0419		UB Billing 04/19/2019 101072-033		92.56
UB0419		UB Billing 04/19/2019 101072-010		92.56
UB0419		UB Billing 04/19/2019 101072-025		5.00
UB0419		UB Billing 04/19/2019 101072-031		84.07
UB0419		UB Billing 04/19/2019 101072-031		93.33
UB0419		UB Billing 04/19/2019 101072-029		129.24
UB0419		UB Billing 04/19/2019 101072-020		722.07
UB0419		UB Billing 04/19/2019 101072-031		43.30
UB0419		UB Billing 04/19/2019 101072-029		46.10

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	UB0419	UB Billing 04/19/2019 101072-006		80.43
	UB0419	UB Billing 04/19/2019 101072-022		30.24
	UB0419	UB Billing 04/19/2019 101072-005		80.43
	UB0419	UB Billing 04/19/2019 101072-022		1.29
	UB0419	UB Billing 04/19/2019 101072-029		6.70
	UB0419	UB Billing 04/19/2019 101072-019		9.08
	UB0419	UB Billing 04/19/2019 101072-031		81.93
	UB0419	UB Billing 04/19/2019 101072-022		12.59
	UB0419	UB Billing 04/19/2019 101072-036		72.02
	UB0419	UB Billing 04/19/2019 101072-025		0.26
	UB0419	UB Billing 04/19/2019 101072-022		2.59
	UB0419	UB Billing 04/19/2019 101072-003		28.18
	UB0419	UB Billing 04/19/2019 101072-025		0.19
	UB0419	UB Billing 04/19/2019 101072-025		2.05
	UB0419	UB Billing 04/19/2019 101072-019		0.71
	UB0419	UB Billing 04/19/2019 101072-019		7.46
	UB0419	UB Billing 04/19/2019 110064		61.38
	UB0419	UB Billing 04/19/2019 101072-021		5.20
	UB0419	UB Billing 04/19/2019 101072-021		1.45
	UB0419	UB Billing 04/19/2019 101072-026		22.27
	UB0419	UB Billing 04/19/2019 101072-035		72.02
	UB0419	UB Billing 04/19/2019 101072-031		24.91
	UB0419	UB Billing 04/19/2019 101072-021		27.28
	UB0419	UB Billing 04/19/2019 101072-034		28.18
	UB0419	UB Billing 04/19/2019 101072-019		11.44
	UB0419	UB Billing 04/19/2019 101072-022		28.89
	UB0419	UB Billing 04/19/2019 101072-025		5.81
	UB0419	UB Billing 04/19/2019 101072-025		1.98
	UB0419	UB Billing 04/19/2019 101072-021		23.05
	UB0419	UB Billing 04/19/2019 101072-021		16.66
	UB0419	UB Billing 04/19/2019 101072-021		1.39
	UB0419	UB Billing 04/19/2019 101072-029		132.98
	UB0419	UB Billing 04/19/2019 101072-029		66.57
	UB0419	UB Billing 04/19/2019 101072-025		2.98
	UB0419	UB Billing 04/19/2019 101072-024		155.20
	UB0419	UB Billing 04/19/2019 101072-027		92.56
	UB0419	UB Billing 04/19/2019 101072-025		0.50
	UB0419	UB Billing 04/19/2019 101072-015		169.12
	UB0419	UB Billing 04/19/2019 101072-008		80.43
	UB0419	UB Billing 04/19/2019 101072-009		92.56
	UB0419	UB Billing 04/19/2019 101072-031		4.36
	UB0419	UB Billing 04/19/2019 101072-029		13.22
	UB0419	UB Billing 04/19/2019 101072-021		8.30
	UB0419	UB Billing 04/19/2019 101072-029		52.93
	UB0419	UB Billing 04/19/2019 101072-022		7.71
	UB0419	UB Billing 04/19/2019 101072-031		8.60
	UB0419	UB Billing 04/19/2019 101072-022		4.84
	UB0419	UB Billing 04/19/2019 101072-019		3.49
			Total for Check Number 92866:	7,796.44
92867	collinss 042019	Collins & Schoettler Planning Consultants, Planning Consulting April 2019	05/21/2019	9,750.00
			Total for Check Number 92867:	9,750.00
92868	wc3 218-010-073-06 218-011-073-01 219-01-073-01	West Coast Code Consultants, Inc. Pulido residence plan reviews Building dept services Nov 2018 Building dept services Jan 2019	05/21/2019	358.23 16,960.00 21,452.50

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	219-01-073-06	Plan review Lopez Res., Camacho Res., Sikh Te		2,803.40
	219-04-073-01	Building dept services April 2019		20,000.00
	219-04-073-06	Plan review for April 2019		5,053.28
	219-04-073-E360	Eprocess360 Monthly subscription fee April 201		800.00
Total for Check Number 92868:				67,427.41
92869	corelogi 81962185 81962185 81962185	CoreLogic Information Solution Geographic Package - Dec 2018 Geographic Package - Dec 2018 Geographic Package - Dec 2018	05/21/2019	66.67 66.66 66.67
Total for Check Number 92869:				200.00
92870	CoronadR 001 001	Ray Coronado Park rental cancellation for Max Foster 05/19 Park rental cancellation for Max Foster 05/19	05/21/2019	150.00 45.00
Total for Check Number 92870:				195.00
92871	CSG Cons 24648	CSG Consultants, Inc. COL enforcement services April 2019	05/21/2019	3,150.00
Total for Check Number 92871:				3,150.00
92872	CuevasSa 001 001	Sandy Cuevas Walnut Center Rental Cancelled for 05/11/2019 Walnut Center Rental Cancelled for 05/11/2019	05/21/2019	150.00 100.00
Total for Check Number 92872:				250.00
92873	ELITEUNI 081R	ELITE UNIFORM Retro Patch Replacement	05/21/2019	35.96
Total for Check Number 92873:				35.96
92874	ENTENMAN 0141385-IN	Entenmann-Rovin Co. Uniform award Bars	05/21/2019	657.80
Total for Check Number 92874:				657.80
92875	SANJOAQ 247493 247493 247493 247493 247493 247493 247493 247599 247701 247701 247701 247701 247711 247729	Ernest Packaging Solutions Gen. supplies Gen. supplies Gen. supplies Gen. supplies Gen. supplies Gen. supplies Gen. supplies Paper Towels for parks Floor cleaner for all department Floor cleaner for all department Floor cleaner for all department Floor cleaner for all department 5 Cases disinfect cleaner Paper Towels for parks	05/21/2019	87.18 87.18 87.18 87.18 144.23 44.78 99.44 142.88 48.93 48.94 48.93 48.93 367.97 47.85
Total for Check Number 92875:				1,391.60
92876	ewingirr 7044303 7099989	Ewing Irrigation Products Inc. Battery operating timer for museum irrigation Battery operating timer for museum irrigation	05/21/2019	227.97 999.81

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	7188122	Core, nozzle, pop up monte cristo II		528.71
	7282419	Parkside battery operated timer		94.50
Total for Check Number 92876:				1,850.99
92877	EZAUTO 316488 316700 316907 316908 317209 317499 317596	EZ Auto Supply - Napa Emergency air valve streets sweeper Valve returned for street veh 10-42 Air Gauge to air tires fire dept Tire Auge tool air tire/ Fire dept 2 Belt for xmark mower nuts & thread restire kit street dept Fuel Cap For sewer truck	05/21/2019	86.37 -86.37 65.43 4.40 17.65 27.22 8.01
Total for Check Number 92877:				122.71
92878	FergMode 1444155	Ferguson Waterworks Joseph Gallo Storm Drain Parts	05/21/2019	567.28
Total for Check Number 92878:				567.28
92879	FernanAl 001	Alma D Fernandez Refund for Memorial Park 05/04/2019	05/21/2019	150.00
Total for Check Number 92879:				150.00
92880	NEWACCES 117698595	First Communications, LLC Fire Dept distance May 2019	05/21/2019	46.65
Total for Check Number 92880:				46.65
92881	frantz 202171	Frantz Wholesale Nursery, LLC Plants for Parkside renovations	05/21/2019	206.34
Total for Check Number 92881:				206.34
92882	frontier 2093949532	Frontier museum phone services 04/25/2019-05/24/19	05/21/2019	78.35
Total for Check Number 92882:				78.35
92883	frontie2 0569Z005S19125	Frontier Communications Corp Frontier Co Radio Connection Fees may 5- Jun 6	05/21/2019	151.32
Total for Check Number 92883:				151.32
92884	GARZA 88668	Garza Tire & Wheel Inc. Vac-on Tire Dwvtp	05/21/2019	476.52
Total for Check Number 92884:				476.52
92885	GILTON APRIL 001	Gilton Solid Waste Sanitaion contract for Aprill-april 30	05/21/2019	78,673.72
Total for Check Number 92885:				78,673.72
92886	gonzalju 001	Juan Gonzalez Ark park05/04/2019 rental deposit refund	05/21/2019	150.00
Total for Check Number 92886:				150.00
92887	gouveia 8689	Gouveia Engineering Inc. Well Permits	05/21/2019	212.63

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	422702	Museum Alarm System 05-01-19/05-31-19		46.95
	422703	DWWTPr Alarm System 05-01-19/05-31-19		34.95
	425226	Museum Alarm System		43.10
Total for Check Number 92892:				234.00
92893	INSHP	In-Shape Health Clubs, Inc	05/21/2019	
		PR Batch 00023.03.2019 In-Shape Fitness Club	PR Batch 00023.03.2019 In-S	90.00
		PR Batch 00006.04.2019 In-Shape Fitness Club	PR Batch 00006.04.2019 In-S	72.50
	005	in shape dues for 04/09		-17.50
Total for Check Number 92893:				145.00
92894	SOMAM 20828	Integrated Designs By SOMAM LFA Buildings essential requirements/ uses	05/21/2019	
Total for Check Number 92894:				6,120.00
92895	interbat 80036233 80036233 90043279	Interstate Batteries Batteries for Pd and streets dept Batteries for Pd and streets dept Pd veh battery replacement	05/21/2019	
Total for Check Number 92895:				432.76
92896	jlanal 464309 465518 466129	J L Analytical Services Inc. Weekly Lab Tests 04/3/19 & 04/10/2019 Weekly Lab Tests 04/17/2019 Weekly Lab Tests 04/24/19	05/21/2019	
Total for Check Number 92896:				526.00
92897	kamps 27397 91699	Kamps Propane 33 LB cylinder for lift 33 LB cylinder for lift	05/21/2019	
Total for Check Number 92897:				44.29
92898	krazan 0764157-21000 0764199-21000	Krazan & Associates Inc. CDBG Water Line Replacement CDBG Water Line Replacement	05/21/2019	
Total for Check Number 92898:				1,010.00
92899	LNCURTIS 474405	L.N. Curtis and sons Curtis fire tools and equipment	05/21/2019	
Total for Check Number 92899:				8,391.73
92900	language 9020101151	Language Line Services Translation Services	05/21/2019	
Total for Check Number 92900:				393.86
92901	UB*01821	ROSENDA LOPEZ Refund Check 109440-000, 644 ELMWOOD W Refund Check 109440-000, 644 ELMWOOD W Refund Check 109440-000, 644 ELMWOOD W	05/21/2019	
Total for Check Number 92901:				141.64
92902	Lowe's	Lowe's	05/21/2019	

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	901921	Batteries for lights on stop sign		19.16
Total for Check Number 92902:				19.16
92903	UB*01822	FRANK & ANITA MARTINEZ	05/21/2019	
		Refund Check 106285-000, 1588 MONTECITC		33.24
		Refund Check 106285-000, 1588 MONTECITC		69.81
		Refund Check 106285-000, 1588 MONTECITC		61.50
Total for Check Number 92903:				164.55
92904	MendozaO 001	Ociel Mendoza	05/21/2019	
		Pentecost Hall deposit rental refund 05/04/2019		250.00
Total for Check Number 92904:				250.00
92905	UB*01820	VANESSA MENDOZA	05/21/2019	
		Refund Check 109683-000, 903 MONTELENA		20.39
		Refund Check 109683-000, 903 MONTELENA		17.96
		Refund Check 109683-000, 903 MONTELENA		9.71
Total for Check Number 92905:				48.06
92906	midvalle	Mid Valley IT	05/21/2019	
	20200490	Bridgeport Village Monthly IT Service for the M		6.42
	20200490	Vintage West B Monthly IT Service for the Mont		1.24
	20200490	Country Lane I Monthly IT Service for the Mont		0.74
	20200490	Vinewood Est. Monthly IT Service for the Montl		0.62
	20200490	Kensington Pk S. Monthly IT Serv. for the Mo.		0.09
	20200490	Parks Monthly IT Services for the Month		51.04
	20200490	Vintage West A Monthly IT Services for the Mon		0.21
	20200490	Davante Villas Monthly IT Service for the Montl		2.03
	20200490	Bridgeport Vill. Monthly IT Service for the Mo.		1.07
	20200490	Vintage West Monthly IT Service for the Month		4.86
	20200490	Country Lance II Monthly IT Service for the Mo		2.08
	20200490	Monte Cristo Monthly IT Service for the Month		1.45
	20200490	Vinewood Estates II Monthly IT Serv. for the M		0.32
	20200490	Somerset Monthly IT Service for the Month		1.71
	20200490	Garbage Monthly IT Services for the Month		366.84
	20200490	Central Residential Monthly IT Serv. for the Mo		5.32
	20200490	Almond Glen Monthly IT Service for the Month		1.31
	20200490	Country Glen Monthly IT Service for the Month		0.45
	20200490	Water Monthly IT Services for the Month		937.22
	20200490	Adm Monthly IT Services for the Month		508.56
	20200490	Country Lane I Monthly IT Service for the Mont		4.65
	20200490	Elec Official Monthly IT Services for the Month		706.18
	20200490	North Commercial Monthly IT Service for the M		3.64
	20200490	Monte Cristo 2 Monthly IT Services for the Mont		0.85
	20200490	North Residential Monthly IT Service for the M		3.95
	20200490	Parkside-Forecast Monthly IT Service for the M		2.42
	20200490	Kensington Park S Monthly IT Service for the M		0.76
	20200490	Rec Monthly IT Services for the Month		507.77
	20200490	Bldg Monthly IT Services for the Month		414.51
	20200490	Police Monthly IT Services for the Month		3,005.24
	20200490	Sewer Monthly IT Services for the Month		318.92
	20200490	Country Roads Monthly IT Services for the Mon		0.39
	20200490	Vinewood Estates Monthly IT Service for the M		1.25
	20200490	Country Lane II Monthly IT Service for the Mon		24.68
	20200490	South Residential Monthly IT Service for the M		7.19
	20200490	Country Glen Monthly IT Services for the Montl		0.21
	20200490	La Tierra Monthly IT Service for the Month		1.01

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	20200490	La Tierra Monthly IT Service for the Month		9.61
	20200490	Sundance IV Monthly IT Service for the Month		1.27
	20200490	Sundance Monthly IT Service for the Month		4.06
	20200490	South Commercial Monthly IT Service for the M		0.11
	20200490	Sundance Monthly IT Service for the Month		2.31
	20200490	Country Roads Monthly IT Service for the Mont		3.13
	20200490	Sundance IV Monthly IT Service for the Month		4.97
	20200490	Somerset Monthly IT Service for the Month		11.48
	20200490	Vinewood Est. II Monthly IT Service for the Mo		0.11
	20200490	Downtown Commercial Monthly IT Serv for the		0.25
	20200490	Monte Cristo II Monthly IT Service for the Mont		2.96
	20200490	Strawberry Fields Monthly IT Service for the Mc		0.47
	20200490	Planning Monthly IT Services for the Month		217.62
	20200490	CFD Monthly IT Services for the Month		316.85
	20200490	Parkside Forecast Monthly IT Service for the Mc		7.29
	20200490	Monte Cristo Monthly IT Services for the Month		0.83
	20200490	Devante Villas Monthly IT Service for the Montl		17.22
	20200490	Strawberry Field Monthly IT Service for the Mo.		0.08
	20200490	Harvest Manor Monthly IT Service for the Mont		2.18
			Total for Check Number 92906:	7,500.00
92907	midvall 112536	Mid-Valley Publications Promo music in the park	05/21/2019	475.00
			Total for Check Number 92907:	475.00
92908	MISSION	Mission Linen Supply	05/21/2019	
	509784108	Uniform Service and Embl.		1.18
	509784108	Uniform Service and Embl.		48.07
	509784108	Uniform Service and Embl.		0.76
	509784108	Uniform Service and Embl.		25.30
	509784108	Uniform Service and Embl.		6.61
	509784108	Uniform Service and Embl.		8.15
	509784108	Uniform Service and Embl.		98.80
	509784108	Uniform Service and Embl.		11.84
	509784108	Uniform Service and Embl.		3.96
	509784108	Uniform Service and Embl.		16.19
	509784108	Uniform Service and Embl.		44.79
	509784109	Janitorial Supplies		3.94
	509784109	Janitorial Supplies		20.60
	509784109	Janitorial Supplies		1.51
	509784109	Janitorial Supplies		20.60
	509784109	Janitorial Supplies		1.52
	509784109	Janitorial Supplies		3.78
	509784109	Janitorial Supplies		20.61
	509784109	Janitorial Supplies		0.77
	509830386	Janitorial Supplies		1.52
	509830386	Janitorial Supplies		20.61
	509830386	Janitorial Supplies		3.94
	509830386	Janitorial Supplies		0.77
	509830386	Janitorial Supplies		20.60
	509830386	Janitorial Supplies		20.60
	509830386	Janitorial Supplies		3.78
	509830386	Janitorial Supplies		1.51
	509830389	City hall mat services 05/08/2019		58.48
	509830391	Council chambers maps mat services 05/08/2019		26.85
			Total for Check Number 92908:	497.64

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
92909	modestow 30941 30941	Modesto Welding Products Tank rental for water & sewer Dept Tank rental for water & sewer Dept	05/21/2019	7.00 7.00
Total for Check Number 92909:				14.00
92910	montevis 353919	Monte Vista Small Animal Hospital Vet fees	05/21/2019	166.78
Total for Check Number 92910:				166.78
92911	UB*01823	MORENA'S TAQUERIA Refund Check 109928-000, 1448 D STREET Refund Check 109928-000, 1448 D STREET Refund Check 109928-000, 1448 D STREET	05/21/2019	36.61 67.72 76.87
Total for Check Number 92911:				181.20
92912	N&S IT89719 IV80071	N & S Tractor Washer, Cover Pins DWWTP Dept Seal Dwwtp	05/21/2019	107.77 36.85
Total for Check Number 92912:				144.62
92913	nationsr 275782 275783	Nations Roof West, LLC Proposal- Contract 9/21/18 Police Dept. Roof M: Proposal- Contract 9/21/18 Fire Dept. Roof Mair	05/21/2019	5,000.00 5,000.00
Total for Check Number 92913:				10,000.00
92914	Officede 305024857001 305024857001 305573033001 306019241001 306726470001 307047975001 307048016001	Office Depot building supplies building supplies Wrong size post it credit issued back Ink for Public works Office supplies Name Plate for Monica Admin supplies	05/21/2019	15.53 340.03 -6.03 98.69 74.12 34.46 10.30
Total for Check Number 92914:				567.10
92915	OPERATE Clerical 0519	Operating Engineers Local #3 Clerical union dues PR 05/04 & 05/18	05/21/2019	360.00
Total for Check Number 92915:				360.00
92916	OPERATIN Mgt & Conf 0519	Operating Engineers Local #3 Mgt Union diuues PR 05/04 & 05/18	05/21/2019	427.00
Total for Check Number 92916:				427.00
92917	oreillya 3654-280065 3654-280065 3654-280065 3654-280065 3654-283505 3654-283958 3654-284469 3654-284755	O'Reilly Automotive Store Inc. Wiper Blades Wiper Blades Wiper Blades Wiper Blades City manager car maintenance Drive belt 12-67 streets PD oil filters for explorer truck Fire dept 96 E-1 vehicle	05/21/2019	53.82 53.82 53.82 53.81 10.45 35.25 23.44 72.34

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
			Total for Check Number 92917:	356.75
92918	PGE	Pacific Gas & Electric Company	05/21/2019	
	0007833456-2	21800 Feet North of Livingston		66.96
	0007833457-0	ES LINCOLN S/PEACH		62.18
	0007833519-7	Cor of White & Crowell March 19		122.68
	0154346521-3	Monthly Service for NE C/O Campbell/MAin 03		1.58
	4832044416-8	Monthly Service for dwight April 2019		58.37
	7770778848-3	Monthly Service for 14960 Vineood Ave 03/20/1		92.45
	7798858785-1	Monthly Service Linoln Blvd West side		20.40
	8714889613-4	Ulities service for 1416 C st backside 03/29-04/2		80.26
			Total for Check Number 92918:	504.88
92919	paramoun	Paramount Pest Control Inc.	05/21/2019	
	1905-00717	Pest Control City hall		37.00
	1905-00718	Pest Control Fire dept		37.00
	1905-00720	Pest Control Museum		37.00
	1905-00723	Pest Control Senior center		36.00
			Total for Check Number 92919:	147.00
92920	pequenos 001	Pequenos Empresarios, Inc. Sponsor/Donation for Pequenos empresarios	05/21/2019	
			Total for Check Number 92920:	500.00
92921	platt U702725	Platt Electric Supply Spotlight for flag pole at museum	05/21/2019	
			Total for Check Number 92921:	152.87
92922	PREMIER	Premier Access Dental	05/21/2019	
	Premier0501	Dental claims 05/01/2019		0.06
	Premier0501	Dental claims 05/01/2019		672.70
	Premier0501	Dental claims 05/01/2019		0.02
	Premier0501	Dental claims 05/01/2019		28.35
	Premier0501	Dental claims 05/01/2019		0.19
	Premier0501	Dental claims 05/01/2019		1.41
	Premier0501	Dental claims 05/01/2019		0.57
	Premier0501	Dental claims 05/01/2019		0.10
	Premier0501	Dental claims 05/01/2019		0.29
	Premier0501	Dental claims 05/01/2019		0.41
	Premier0501	Dental claims 05/01/2019		28.35
	Premier0501	Dental claims 05/01/2019		2.12
	Premier0501	Dental claims 05/01/2019		0.62
	Premier0501	Dental claims 05/01/2019		0.65
	Premier0501	Dental claims 05/01/2019		0.37
	Premier0501	Dental claims 05/01/2019		0.91
	Premier0501	Dental claims 05/01/2019		844.00
	Premier0501	Dental claims 05/01/2019		0.16
	Premier0501	Dental claims 05/01/2019		0.03
	Premier0501	Dental claims 05/01/2019		0.06
	Premier0501	Dental claims 05/01/2019		0.49
	Premier0501	Dental claims 05/01/2019		0.94
	Premier0501	Dental claims 05/01/2019		32.40
	Premier0501	Dental claims 05/01/2019		0.18
	Premier0501	Dental claims 05/01/2019		134.00
	Premier0501	Dental claims 05/01/2019		0.50
	Premier0501	Dental claims 05/01/2019		3.05

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	Premier0501	Dental claims 05/01/2019		0.44
	Premier0501	Dental claims 05/01/2019		0.03
	Premier0501	Dental claims 05/01/2019		0.79
	Premier0501	Dental claims 05/01/2019		1.18
	Premier0501	Dental claims 05/01/2019		0.63
	Premier0508	Dental claims 05/08/2019		6.64
	Premier0508	Dental claims 05/08/2019		523.60
	Premier0508	Dental claims 05/08/2019		554.76
	Premier0515	Dental claims 05/15/2019		0.24
	Premier0515	Dental claims 05/15/2019		0.21
	Premier0515	Dental claims 05/15/2019		0.11
	Premier0515	Dental claims 05/15/2019		1.14
	Premier0515	Dental claims 05/15/2019		0.14
	Premier0515	Dental claims 05/15/2019		37.80
	Premier0515	Dental claims 05/15/2019		0.30
	Premier0515	Dental claims 05/15/2019		0.04
	Premier0515	Dental claims 05/15/2019		0.16
	Premier0515	Dental claims 05/15/2019		0.06
	Premier0515	Dental claims 05/15/2019		0.01
	Premier0515	Dental claims 05/15/2019		0.01
	Premier0515	Dental claims 05/15/2019		43.01
	Premier0515	Dental claims 05/15/2019		0.07
	Premier0515	Dental claims 05/15/2019		16.00
	Premier0515	Dental claims 05/15/2019		0.01
	Premier0515	Dental claims 05/15/2019		11.90
	Premier0515	Dental claims 05/15/2019		0.02
	Premier0515	Dental claims 05/15/2019		0.24
	Premier0515	Dental claims 05/15/2019		0.19
	Premier0515	Dental claims 05/15/2019		0.35
	Premier0515	Dental claims 05/15/2019		0.54
	Premier0515	Dental claims 05/15/2019		0.79
	Premier0515	Dental claims 05/15/2019		0.15
	Premier0515	Dental claims 05/15/2019		0.07
	Premier0515	Dental claims 05/15/2019		0.44
	Premier0515	Dental claims 05/15/2019		829.31
	Premier0515	Dental claims 05/15/2019		12.12
	Premier0515	Dental claims 05/15/2019		0.23
	Premier0515	Dental claims 05/15/2019		0.34
	Premier0515	Dental claims 05/15/2019		0.18
	Premier0515	Dental claims 05/15/2019		21.60
	Premier0515	Dental claims 05/15/2019		0.02
	Premier0515	Dental claims 05/15/2019		10.80
			Total for Check Number 92922:	3,829.60
92923	QUALIWEL	QUALITY WELL DRILLERS	05/21/2019	
	7938	Airlift 16 inch well at well 11		1,732.50
	7941	Airlift 16 inch well at well 11		643.50
			Total for Check Number 92923:	2,376.00
92924	RAND	Randik Paper	05/21/2019	
	150438B	Clean Absorber		17.72
			Total for Check Number 92924:	17.72
92925	IKONFIN	Ricoh USA Inc.	05/21/2019	
	102035767	Pw Contract lease 03/12-04/11 & 04/12-05/11		50.22
	102035767	Pw Contract lease 03/12-04/11 & 04/12-05/11		753.21
	102035767	Pw Contract lease 03/12-04/11 & 04/12-05/11		200.85

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
			Total for Check Number 92925:	1,004.28
92926	RTC Con 003	RTC Construction Management, Inc. 16-CDBG-11142 Water Replacement Project 3	05/21/2019	143,383.50
			Total for Check Number 92926:	143,383.50
92927	saenz 7743	Saenz Pest Control Inc. Pest control child development	05/21/2019	125.00
			Total for Check Number 92927:	125.00
92928	sjvapcd N133237 N133276 N133373	San Joaquin Valley APCD Annual Permit fees Annual Permit fees Annual Permit fees	05/21/2019	136.00 136.00 136.00
			Total for Check Number 92928:	408.00
92929	SSS JC-4544	Security System Solutions Inc Door Repairs	05/21/2019	295.00
			Total for Check Number 92929:	295.00
92930	sharpen 293556	Sharpening Shop Pulley Davante	05/21/2019	53.31
			Total for Check Number 92930:	53.31
92931	sherwill 3144-6	Sherwin-Williams-Merced #8616 Paint strainers bulk for season	05/21/2019	94.83
			Total for Check Number 92931:	94.83
92932	shredit 8127231988	Shred-it USA LLC Shredding fees	05/21/2019	137.31
			Total for Check Number 92932:	137.31
92933	UB*01819	HARJAP SINGH Refund Check 110366-000, 1069 GOLDEN LE. Refund Check 110366-000, 1069 GOLDEN LE. Refund Check 110366-000, 1069 GOLDEN LE. Refund Check 110366-000, 1069 GOLDEN LE. Refund Check 110366-000, 1069 GOLDEN LE.	05/21/2019	6.10 50.32 87.68 50.26 2.66
			Total for Check Number 92933:	197.02
92934	St. Fran 19101201 19101301	St. Francis Electric, LLC. Quote #1/15/19 Walnut & Hammatt BBS-Back Quote #1/11/19 Winton & Joseph Gallo (Replac	05/21/2019	7,620.00 4,665.00
			Total for Check Number 92934:	12,285.00
92935	SwitzerS 001	Sylas Switzer Refund for baseball (Moving)	05/21/2019	58.00
			Total for Check Number 92935:	58.00
92936	targetsp PI0955818 PI0955818	Target Specialty Products Roundup pump 30 gal for weed control Roundup pump 30 gal for weed control	05/21/2019	26.77 26.78

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	Ins Prem 0519	Life and LTD Prem May 2019		3.54
	Ins Prem 0519	Life and LTD Prem May 2019		2.68
	Ins Prem 0519	Life and LTD Prem May 2019		0.55
	Ins Prem 0519	Life and LTD Prem May 2019		2.56
	Ins Prem 0519	Life and LTD Prem May 2019		1.81
	Ins Prem 0519	Life and LTD Prem May 2019		1,319.00
	Ins Prem 0519	Life and LTD Prem May 2019		395.18
	Ins Prem 0519	Life and LTD Prem May 2019		10.51
	Ins Prem 0519	Life and LTD Prem May 2019		63.90
	Ins Prem 0519	Life and LTD Prem May 2019		163.15
	Ins Prem 0519	Life and LTD Prem May 2019		106.89
	Ins Prem 0519	Life and LTD Prem May 2019		41.21
	Ins Prem 0519	Life and LTD Prem May 2019		2.45
	Ins Prem 0519	Life and LTD Prem May 2019		94.87
	Ins Prem 0519	Life and LTD Prem May 2019		1.13
	Ins Prem 0519	Life and LTD Prem May 2019		123.05
	Ins Prem 0519	Life and LTD Prem May 2019		2.96
	Ins Prem 0519	Life and LTD Prem May 2019		2.00
	Ins Prem 0519	Life and LTD Prem May 2019		1.15
	Ins Prem 0519	Life and LTD Prem May 2019		2.29
	Ins Prem 0519	Life and LTD Prem May 2019		3.07
	Ins Prem 0519	Life and LTD Prem May 2019		5.27
	Ins Prem 0519	Life and LTD Prem May 2019		0.42
	Ins Prem 0519	Life and LTD Prem May 2019		4.09
	Ins Prem 0519	Life and LTD Prem May 2019		2.11
	Ins Prem 0519	Life and LTD Prem May 2019		2.27
	Ins Prem 0519	Life and LTD Prem May 2019		9.33
	Ins Prem 0519	Life and LTD Prem May 2019		0.26
	Ins Prem 0519	Life and LTD Prem May 2019		0.98
	Ins Prem 0519	Life and LTD Prem May 2019		0.43
	Ins Prem 0519	Life and LTD Prem May 2019		3.60
	Ins Prem 0519	Life and LTD Prem May 2019		2.66
	Ins Prem 0519	Life and LTD Prem May 2019		10.62
	Ins Prem 0519	Life and LTD Prem May 2019		2.74
	Ins Prem 0519	Life and LTD Prem May 2019		1.64
	Ins Prem 0519	Life and LTD Prem May 2019		103.73
			Total for Check Number 92941:	2,991.67
92942	VALLCOFF 963998	VALLEY COFFEE Water	05/21/2019	71.50
			Total for Check Number 92942:	71.50
92943	VERIZON 9829178505 9829178506	Verizon Wireless PD Phones & Modems PD Modems	05/21/2019	789.57 380.52
			Total for Check Number 92943:	1,170.09
92944	VISION Vision 04/2019 Vision 04/2019 Vision 04/2019 Vision 04/2019 Vision 05/2019	Vision Service Plan - CA PR Batch 00004.05.2019 Vision Vision Claims for April 2019 Vision Claims for April 2019 Vision Claims for April 2019 Vision Claims for April 2019 Vision Claims for May 2019	05/21/2019 PR Batch 00004.05.2019 Visi	440.55 84.50 489.82 84.50 199.26 8.01
			Total for Check Number 92944:	1,306.64
92945	chevprod	WEX BANK	05/21/2019	

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	E/7592547	Fuel for training		44.46
	E/7649702	Fuel for training		76.91
	E/9922178	Fuel for training		27.40
Total for Check Number 92945:				148.77
92946	xerox	Xerox Financial Services	05/21/2019	
	1594858	Copier lease for happy and Finance		18.14
	1594858	Copier lease for happy and Finance		18.14
	1594858	Copier lease for happy and Finance		18.15
	1594858	Copier lease for happy and Finance		18.16
	1594858	Copier lease for happy and Finance		18.16
	1594858	Copier lease for happy and Finance		18.14
	1594858	Copier lease for happy and Finance		18.14
	1600680	Copier lease for copy room & danna		99.45
	1600680	Copier lease for copy room & danna		99.45
	1600680	Copier lease for copy room & danna		99.45
	1600680	Copier lease for copy room & danna		99.45
	1600680	Copier lease for copy room & danna		99.45
	1600680	Copier lease for copy room & danna		99.46
	1600680	Copier lease for copy room & danna		99.45
Total for Check Number 92946:				823.19
Total for 5/21/2019:				457,961.51
Report Total (124 checks):				474,436.28

STAFF REPORT

AGENDA ITEM: Approval of Warrant Register dated May 28, 2019
MEETING DATE: June 4, 2019
PREPARED BY: Nancy Fuentes, Sr. Account Clerk
REVIEWED BY: Jose Antonio Ramirez, City Manager

RECOMMENDATION:

Approve warrant register dated May 28, 2019

DISCUSSION:

In accordance with Section 37202 of the Government Code of the State of California there is presented here with a summary of the demands against the City of Livingston covering obligations to be paid during the period of:

May 20, 2019 – June 4, 2019

Each demand has been audited and I hereby certify to their accuracy and that there are sufficient funds for their payment as of this date.

**IT IS HEREBY RECOMMENDED THE CITY COUNCIL
APPROVE THE REGISTER OF DEMANDS AS FOLLOWS:**

GENERAL WARRANTS.....\$	375,440.65	#92948-93015
PAYROLL WARRANTS.....\$	158,214.06	#40904-40927
TOTAL WARRANTS.....\$	533,654.71	
TOTAL WIRE TRANSACTIOS.....\$		

ATTACHMENTS:

Accounts payable checks by date, summary by check number register.

Accounts Payable

Checks by Date - Detail by Check Date

User: nfuentes
 Printed: 5/28/2019 4:22 PM



Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
92948	agujuan	Juan Aguilar Jr.	05/23/2019	
	001	Travel expenses for NALEO 09/13/2018-09/16/2		80.00
	002	Firehouse World Travel Expenses		70.00
	003	2019 One Voice Travel Expenses		353.73
Total for Check Number 92948:				503.73
92949	BANKCARI	Bank of America Business Card	05/23/2019	
	AC001	PW Admin lunch training		67.57
	AC002	Annual Card Fee		25.00
	CS001	Uniform cleaning/ captain		12.03
	CS002	Uniform supplies		365.16
	CS003	Car Wash		40.49
	DS001	Evidence(CAPE) Conference/Barragan		2.00
	DS002	Evidence(CAPE) Conference/Barragan		24.06
	DS003	Annual inspection meeting supplies		108.01
	DS004	Patrol Vehicle supplies		335.77
	DS005	Postage		30.11
	DS006	Supplies for Dispatch appreciation week		316.65
	DS007	Postage		17.19
	DS008	Parking for training		52.00
	DS009	Parking for training		75.00
	DS010	LEeds training captain		676.16
	DS011	uniform cleaning captain		24.06
	DS012	camera charging cables		39.31
	DS013	dispatch appreciation week		17.29
	DS014	socal gang conference registration barkus		225.00
	DS015	socal gang conference registration ramirez		225.00
	DS016	ammunition		372.96
	DS017	ammunition		2,102.50
	DS018	ammunition		1,317.99
	DS019	evidence test kits		211.50
	DS020	SCGC Serg. Ramirez		563.48
	DS021	SCGC Detective Barkus		563.48
	HB001	Plant for rasmussen family		68.02
	HB002	Pearlies hotel stay April 01- May 09.		1,870.00
	JB001	Credit on music series promo banners		-17.27
	JB002	music series promo banners		295.35
	JB003	Youth baseball assesement banner		106.72
	JB004	Color run banner		160.77
	JB005	Rolling F sponsor color run glasses		495.60
	JB006	Music at the park concert promo		60.00
	JB007	Baseball Sponsor banners		27.08
	JB008	Banner for color run		32.72
	JB009	Easter supplies cups		176.06
	JB010	Bandanas for color run		568.92
	JB011	Color run banner		54.16
	JB012	Concession youth baseball		251.82
	JB013	Concession youth baseball		1,375.55

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	JB014	Concession youth baseball		458.52
	JB015	Youth baseball concessions		62.22
	JB016	Youth baseball concessions		110.37
	JB017	Youth baseball concessions		58.90
	JB018	easter supplies		72.05
	JB019	concessions		19.92
	JB020	easter supplies		8.62
	JB021	Concession		9.44
	JB022	Easter event		43.16
	JB023	Concession		144.00
	JB024	Baseball softball medals		901.59
	JB025	Concession		757.19
	JB026	Concession		47.92
	JB027	Concession		405.80
	JR001	Gas for Admin Car		34.62
	JR002	Meeting with executive director reading and bey		26.85
	JR003	Gas for Admin Car		34.84
	JR004	New admin hire lunch		57.30
	JR005	meeting with admin personnel		43.50
	JR006	Parking meter		4.00
	JR007	Flight fee for Council Garcia		870.00
	JR008	Flight fee for Council Aguilar Jr		870.00
	JR009	Meeting with Admin Staff		67.29
	JR010	Meeting with engineering staff		49.67
	JR011	Flight fee for Gurpal Samra		295.00
	JR011a	Flight fee for Gurpal Samra		253.91
	JR012	Greenlining annual economic summit		50.00
	JR013	City clerks association		200.00
	JR014	Hotel stay		320.10
	JR015	Sacramento Policy Summit		34.52
	JR016	Sacramento Policy Summit		99.76
	JR017	Hotel stay		171.65
	MA001	Supplies for Dispatch Week		17.04
	MA002	Quarterly Employee Luncheon		80.00
	RC001	Dinner for Training		100.00
	RC002	Dinner for Training		260.10
	RC003	Coffe for training		16.95
	RC004	Gas fro league meeting		34.56
	RC005	Conference Chief		29.79
	RC006	lodging for admin to meet with attorney		308.42
	RC007	County chief program		16.38
	RC008	Parking fee		100.00
	RC009	Lodging for Leeds		676.16
	TA001	Amazon Prime		14.00
	TA002	Insentive Luncheon water & sewer dept		53.77
	TA002	Insentive Luncheon water & sewer dept		53.76
	TA003	Battery backup & surge protector		79.74
	TA004	3 iphone cases and 11 iphone chargers		164.82
	TA005	Anthony I phone 7 Plus screen protector		16.41
	TA006	State water report postage March 2019		8.05
	TA007	Police dept and Fire dept mats for trucks		368.87
	TA007	Police dept and Fire dept mats for trucks		92.22
	TA008	American water college treatment 2 exam prep c		199.99
	TA009	Amazon prime monthly membership		14.00
	TA010	Backflow prevention assembly tester certification		200.00
	TA011	Backflow prevention assembly tester certification		200.00

Total for Check Number 92949:

23,023.01

92950 FAMILYSU

California State

05/23/2019

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	Held 05/18/19	20000000434371 & 200000001251470 PR End		512.76
	Held 05/18/2019	200000000470014/FIPS Code 0600099 PR Endi		1,484.30
	Held 5/18/2019	Case 0993764321-01 Mejia PR Ending 05/18/20		369.23
Total for Check Number 92950:				2,366.29
92951	CarrillR 001	Ruth Carrillo Refund Park rental 04/27/2019	05/23/2019	150.00
Total for Check Number 92951:				150.00
92952	cervanm 001	Mateo Cervantes Refund for Max Foster 04/27/2019	05/23/2019	150.00
Total for Check Number 92952:				150.00
92953	Circus 001	Circus Royal Spectacular Corp 25 percent of pre-sell circus tickets tickets 05/09	05/23/2019	279.00
Total for Check Number 92953:				279.00
92954	MERCED 001	City of Merced City-County Relations Dinner-City Man, Counci	05/23/2019	210.00
Total for Check Number 92954:				210.00
92955	ferrechr 001	Christine Ferreira Park refund 04/28/2019 Max foster	05/23/2019	150.00
Total for Check Number 92955:				150.00
92956	GMaria 001	Ma.del Refugio Garcia Refund on park rental Memorial 04/27/19	05/23/2019	150.00
Total for Check Number 92956:				150.00
92957	GarciaRa 001	Raul Garcia Travel Expenses to one voice	05/23/2019	229.51
Total for Check Number 92957:				229.51
92958	MaldonCr 001	Cristina Maldonado Park refund for Arak Park 04/28/2019	05/23/2019	150.00
Total for Check Number 92958:				150.00
92959	OrtizJen 001	Jennifer Ortiz Refund Park Rental for 04/28 Memorial Park	05/23/2019	150.00
Total for Check Number 92959:				150.00
Total for 5/23/2019:				27,511.54
92960	arromart 001	Martha Arroyo Refund for memorial park 05/18/2019	06/04/2019	150.00
Total for Check Number 92960:				150.00
92961	BONANDRI 806636	Bonander Truck Water pump bump belt for well #14	06/04/2019	275.26

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
			Total for Check Number 92966:	1,377.00
92967	EstraSte 001	Stella Estrada Refund on memorial park 05/19/19	06/04/2019	150.00
			Total for Check Number 92967:	150.00
92968	UB*01824	RANDALL EVERS Refund Check 104450-000, 1638 JANTZ DRIV Refund Check 104450-000, 1638 JANTZ DRIV	06/04/2019	40.03 15.79
			Total for Check Number 92968:	55.82
92969	FORSTA 21172 21177	FORSTA FILTERS INC. Pressure gauge mounting bracket for filter rebuil Transformer for Well 9	06/04/2019	629.73 175.69
			Total for Check Number 92969:	805.42
92970	frontier	Frontier	06/04/2019	
	2091980133	2 Way Radio Circuit Phone Service 05/15-06/14		5.58
	2091980133	2 Way Radio Circuit Phone Service 05/15-06/14		7.97
	2091980133	2 Way Radio Circuit Phone Service 05/15-06/14		1.47
	2091980133	2 Way Radio Circuit Phone Service 05/15-06/14		21.23
	2091980133	2 Way Radio Circuit Phone Service 05/15-06/14		3.84
	2091980133	2 Way Radio Circuit Phone Service 05/15-06/14		35.19
	2091980133	2 Way Radio Circuit Phone Service 05/15-06/14		3.95
	2093942067	Childcare Phone Service 05/15-06/14		63.58
	2093943344	PW Phone Service 05/15-06/14		305.27
	2093943954	Sr. Center Phone Service 05/15-06/14		66.69
	2093947919	Fire dept Phone Service 05/15-06/14		95.78
	2093947966	DWWTP Phone Service 05/15-06/14		230.88
	2093948041	City Main Phone Service 05/15-06/14		36.10
	2093948041	City Main Phone Service 05/15-06/14		330.43
	2093948041	City Main Phone Service 05/15-06/14		54.15
	2093948041	City Main Phone Service 05/15-06/14		13.84
	2093948041	City Main Phone Service 05/15-06/14		74.85
	2093948041	City Main Phone Service 05/15-06/14		198.57
	2093948041	City Main Phone Service 05/15-06/14		36.10
	2093948041Fiber	Citys Fiber optic service 05/15-06/14		120.54
	2093948041Fiber	Citys Fiber optic service 05/15-06/14		414.71
	2093948041Fiber	Citys Fiber optic service 05/15-06/14		163.59
	2093948041Fiber	Citys Fiber optic service 05/15-06/14		99.01
	2093948041Fiber	Citys Fiber optic service 05/15-06/14		55.96
	2093948041Fiber	Citys Fiber optic service 05/15-06/14		163.60
	2093948041Fiber	Citys Fiber optic service 05/15-06/14		163.59
	2093948041Fiber	Citys Fiber optic service 05/15-06/14		55.96
	2093948041Fiber	Citys Fiber optic service 05/15-06/14		99.01
	2093948041Fiber	Citys Fiber optic service 05/15-06/14		99.01
	2093948044	PW Phone Service 05/15-06/14		104.02
			Total for Check Number 92970:	3,124.47
92971	GaMariaD 001	Maria Garcia Refund for Max foster park rental 05/18/2019	06/04/2019	150.00
			Total for Check Number 92971:	150.00
92972	GARZA 88697	Garza Tire & Wheel Inc. Tire for Toro Mower	06/04/2019	21.12

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	88697	Tire for Toro Mower		21.12
			Total for Check Number 92972:	42.24
92973	GILTON 419463 419871 419872 419873	Gilton Solid Waste dwwtpgreen waste & box rental dwwtp dirt & leaf up & box rental dwwtp trash pick up & box rental Corpyard trash pick up & box rental	06/04/2019	104.00 208.00 208.00 523.20
			Total for Check Number 92973:	1,043.20
92974	Griswold 769858	Griswold Industries Well maintance of Main valve	06/04/2019	1,831.28
			Total for Check Number 92974:	1,831.28
92975	HaroNere 001 001	Nereyda Haro Cancelled event at Walnut Party 06/08/2019 Cancelled event at Walnut Party 06/08/2019	06/04/2019	150.00 200.00
			Total for Check Number 92975:	350.00
92976	hillumbr 345744 348215	Hilmar Lumber Fence materials fred worden Hook Galv end rail for fence fred worden	06/04/2019	237.02 80.63
			Total for Check Number 92976:	317.65
92977	HITECH 163987	Hi-Tech Emergency Vehicle Serv Fire dept 96 E-1 repairs and testing	06/04/2019	5,019.32
			Total for Check Number 92977:	5,019.32
92978	holidayg 17263	HolidayGoo Easter Plastic Eggs	06/04/2019	473.97
			Total for Check Number 92978:	473.97
92979	hopkinst 3619300459	Hopkins Technical Products, Inc. Well 17 Chlorine part for skid	06/04/2019	591.50
			Total for Check Number 92979:	591.50
92980	jlanal 466805	J L Analytical Services Inc. Weekly & Monthly Lab testing	06/04/2019	267.00
			Total for Check Number 92980:	267.00
92981	johal 001	Mireya Johal Refund for swim team registration	06/04/2019	50.00
			Total for Check Number 92981:	50.00
92982	kimball 7138016 7138016 7138016 7138016 7138016	Kimball Midwest Washers/ Cap screws/ cable tie/fuse Washers/ Cap screws/ cable tie/fuse Washers/ Cap screws/ cable tie/fuse Washers/ Cap screws/ cable tie/fuse Washers/ Cap screws/ cable tie/fuse	06/04/2019	11.42 11.42 11.42 11.42 11.45
			Total for Check Number 92982:	57.13

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	1173-0419a	City Electric April 2019		31.65
	1173-0419a	City Electric April 2019		214.61
	1173-0419a	City Electric April 2019		32.62
	1173-0419a	City Electric April 2019 Acct- 2731		131.70
	1173-0419a	City Electric April 2019		34.96
	1173-0419a	City Electric April 2019		15.83
	1173-0419a	City Electric April 2019		137.52
	70	City Electric April 2019		5,580.97
	70	City Electric April 2019		1,150.44
	70	City Electric April 2019		82.29
	70	City Electric April 2019		169.82
	70	City Electric April 2019		19.73
	70	City Electric April 2019		88.15
	70	City Electric April 2019		398.09
	70	City Electric April 2019		63.44
	70	City Electric April 2019		107.83
	70	City Electric April 2019		494.58
	70	City Electric April 2019		12.52
	70	City Electric April 2019		6,155.30
	70	City Electric April 2019		1,213.90
	70	City Electric April 2019		664.20
	70	City Electric April 2019		63.31
	70	City Electric April 2019		88.29
	70	City Electric April 2019		2,321.70
	70	City Electric April 2019		118.01
	70	City Electric April 2019		9,837.36
	70	City Electric April 2019		958.07
			Total for Check Number 92988:	32,995.05
92989	MERCOMM 107235	Merced Pest Control Range Pest Control 05/09/19	06/04/2019	80.00
			Total for Check Number 92989:	80.00
92990	MISSION	Mission Linen Supply	06/04/2019	
	509343613	Uniform Services and Janitorial supplies		5.95
	509343613	Uniform Services and Janitorial supplies		3.96
	509343613	Uniform Services and Janitorial supplies		8.74
	509343613	Uniform Services and Janitorial supplies		34.27
	509343613	Uniform Services and Janitorial supplies		5.56
	509343613	Uniform Services and Janitorial supplies		27.89
	509343613	Uniform Services and Janitorial supplies		0.53
	509343613	Uniform Services and Janitorial supplies		16.51
	509343613	Uniform Services and Janitorial supplies		5.28
	509343613	Uniform Services and Janitorial supplies		15.12
	509343615	Janitorial Supplies		20.60
	509343615	Janitorial Supplies		1.51
	509343615	Janitorial Supplies		0.77
	509343615	Janitorial Supplies		3.95
	509343615	Janitorial Supplies		3.78
	509343615	Janitorial Supplies		1.51
	509343615	Janitorial Supplies		20.61
	509343615	Janitorial Supplies		20.60
	509343634	Mat & Mop Service for Senior Center 02/27/201		23.18
	509390143	Janitorial Supplies		3.78
	509390143	Janitorial Supplies		1.51
	509390143	Janitorial Supplies		20.60
	509390143	Janitorial Supplies		20.61
	509390143	Janitorial Supplies		1.51

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	509390143	Janitorial Supplies		20.60
	509390143	Janitorial Supplies		0.77
	509390143	Janitorial Supplies		3.95
	509437526	Mat & Mop Service for Senior Center 03/13/201		23.18
	509793391	Uniform Pants for Art		11.87
	509793391	Uniform Pants for Art		23.73
	509793391	Uniform Pants for Art		11.86
	509793391	Uniform Pants for Art		6.78
	509793391	Uniform Pants for Art		13.56
	509830385	Uniform Services and Janitorial supplies		26.35
	509830385	Uniform Services and Janitorial supplies		0.53
	509830385	Uniform Services and Janitorial supplies		3.96
	509830385	Uniform Services and Janitorial supplies		7.63
	509830385	Uniform Services and Janitorial supplies		5.19
	509830385	Uniform Services and Janitorial supplies		16.33
	509830385	Uniform Services and Janitorial supplies		8.29
	509830385	Uniform Services and Janitorial supplies		74.96
	509830385	Uniform Services and Janitorial supplies		14.33
	509830385	Uniform Services and Janitorial supplies		5.95
	509850581	Embroidery on Anthony C. new shirts		9.82
	509850581	Embroidery on Anthony C. new shirts		0.10
	509850581	Embroidery on Anthony C. new shirts		4.56
	509850581	Embroidery on Anthony C. new shirts		3.82
	509850581	Embroidery on Anthony C. new shirts		0.04
	509850581	Embroidery on Anthony C. new shirts		51.72
	509850581	Embroidery on Anthony C. new shirts		1.85
	509850581	Embroidery on Anthony C. new shirts		0.19
	509850581	Embroidery on Anthony C. new shirts		2.12
	509850581	Embroidery on Anthony C. new shirts		1.57
	509850581	Embroidery on Anthony C. new shirts		2.90
	509850581	Embroidery on Anthony C. new shirts		1.18
	509850581	Embroidery on Anthony C. new shirts		6.85
	509850581	Embroidery on Anthony C. new shirts		51.72
	509850581	Embroidery on Anthony C. new shirts		0.52
	509850581	Embroidery on Anthony C. new shirts		2.55
	509850581	Embroidery on Anthony C. new shirts		0.30
	509850581	Embroidery on Anthony C. new shirts		1.25
	509850581	Embroidery on Anthony C. new shirts		1.98
	509850581	Embroidery on Anthony C. new shirts		0.58
	509850581	Embroidery on Anthony C. new shirts		51.72
	509850581	Embroidery on Anthony C. new shirts		0.13
	509850581	Embroidery on Anthony C. new shirts		51.72
	509850581	Embroidery on Anthony C. new shirts		1.45
	509850581	Embroidery on Anthony C. new shirts		1.62
	509850581	Embroidery on Anthony C. new shirts		1.93
	509850581	Embroidery on Anthony C. new shirts		2.86
	509850581	Embroidery on Anthony C. new shirts		0.50
	509850581	Embroidery on Anthony C. new shirts		0.18
	509850581	Embroidery on Anthony C. new shirts		0.87
	509880012	Uniform service and Janitorial Supplies 05/15/20		20.60
	509880012	Uniform service and Janitorial Supplies 05/15/20		3.78
	509880012	Uniform service and Janitorial Supplies 05/15/20		1.51
	509880012	Uniform service and Janitorial Supplies 05/15/20		20.60
	509880012	Uniform service and Janitorial Supplies 05/15/20		3.94
	509880012	Uniform service and Janitorial Supplies 05/15/20		20.61
	509880012	Uniform service and Janitorial Supplies 05/15/20		0.78
	509880012	Uniform service and Janitorial Supplies 05/15/20		1.51
	509880016	Mat & Mop Service for fire dept 05/15/2019		79.52
	509908599	Uniform charged for James Zarate		29.90

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	W6403	LMD Truck - 2019 Chevy Silverado 2500HD 2V		664.71
	W6403	LMD Truck - 2019 Chevy Silverado 2500HD 2V		380.29
	W6403	LMD Truck - 2019 Chevy Silverado 2500HD 2V		98.14
	W6403	LMD Truck - 2019 Chevy Silverado 2500HD 2V		136.02
	W6403	LMD Truck - 2019 Chevy Silverado 2500HD 2V		1,953.73
	W6403	LMD Truck - 2019 Chevy Silverado 2500HD 2V		442.19
	W6403	LMD Truck - 2019 Chevy Silverado 2500HD 2V		954.02
	W6405	2019 Silverado 2500HD 4WD Cab 158.1 WorkT		43,649.56
Total for Check Number 92992:				197,913.78
92993	neofunds	Neofunds by Neopost	06/04/2019	
	790004406205	Postage for April-May 2019		32.82
	790004406205	Postage for April-May 2019		11.00
	790004406205	Postage for April-May 2019		97.00
	790004406205	Postage for April-May 2019		2.83
	790004406205	Postage for April-May 2019		2.83
	790004406205	Postage for April-May 2019		500.00
	790004406205	Postage for April-May 2019		62.87
	790004406205	Postage for April-May 2019		106.40
	790004406205	Postage for April-May 2019		2.83
	790004406205	Postage for April-May 2019		82.30
	790004406205	Postage for April-May 2019		7.45
	790004406205	Postage for April-May 2019		15.55
Total for Check Number 92993:				923.88
92994	NEXTEL	Nextel Communications	06/04/2019	
	898215431-162	April 2019 cell phone bill		56.31
	898215431-162	April 2019 cell phone bill		17.83
	898215431-162	April 2019 cell phone bill		51.39
	898215431-162	April 2019 cell phone bill		21.59
	898215431-162	April 2019 cell phone bill		21.88
	898215431-162	April 2019 cell phone bill		113.74
	898215431-162	April 2019 cell phone bill		5.71
Total for Check Number 92994:				288.45
92995	NORMAC	Normac	06/04/2019	
	910880	Pump module for irrigation clock		98.89
Total for Check Number 92995:				98.89
92996	Officede	Office Depot	06/04/2019	
	313746502001	Adm supplies		51.78
	313956970001	Adm supplies		123.88
	315812646001	Planning office supplies		42.99
Total for Check Number 92996:				218.65
92997	oreillya	O'Reilly Automotive Store Inc.	06/04/2019	
	3654-285620	Master Pro & Core Charge		79.83
	3654-285623	Wipers for PD Vehicles		12.02
	3654-285838	Battery Pw		90.55
	3654-286777	Moly Grease		19.88
	3654-286777	Moly Grease		19.88
	3654-286777	Moly Grease		19.88
	3654-286777	Moly Grease		19.88
	3654-286777	Moly Grease		19.88
	3654-287639	Floor mats for sewer truck		162.69
	3654-287640	Floor Mats for LMDs truck		3.92
	3654-287640	Floor Mats for LMDs truck		12.03

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
	3654-287640	Floor Mats for LMDs truck		8.03
	3654-287640	Floor Mats for LMDs truck		9.00
	3654-287640	Floor Mats for LMDs truck		2.73
	3654-287640	Floor Mats for LMDs truck		21.55
	3654-287640	Floor Mats for LMDs truck		4.56
	3654-287640	Floor Mats for LMDs truck		6.08
	3654-287640	Floor Mats for LMDs truck		14.37
	3654-287640	Floor Mats for LMDs truck		0.56
	3654-287640	Floor Mats for LMDs truck		0.59
	3654-287640	Floor Mats for LMDs truck		5.08
	3654-287640	Floor Mats for LMDs truck		30.89
	3654-287640	Floor Mats for LMDs truck		6.66
	3654-287640	Floor Mats for LMDs truck		1.65
	3654-287640	Floor Mats for LMDs truck		9.13
	3654-287640	Floor Mats for LMDs truck		0.31
	3654-287640	Floor Mats for LMDs truck		3.71
	3654-287640	Floor Mats for LMDs truck		0.95
	3654-287640	Floor Mats for LMDs truck		4.94
	3654-287640	Floor Mats for LMDs truck		1.56
	3654-287640	Floor Mats for LMDs truck		0.13
	3654-287640	Floor Mats for LMDs truck		5.82
	3654-287640	Floor Mats for LMDs truck		1.82
	3654-287640	Floor Mats for LMDs truck		0.40
	3654-287640	Floor Mats for LMDs truck		6.22
			Total for Check Number 92997:	587.30
92998	PARAMOUN 1905-00719 1905-00721 1905-00722	Paramount Pest Control Inc. Pest control for 05/10/2019 Range Pest control for 05/10/2019 Corp Yard Pest control for 05/10/2019 Police dept	06/04/2019	37.00 47.00 37.00
			Total for Check Number 92998:	121.00
92999	PulidoJa 001	Javier Pulido Refund for Ark Park rental 05/25/19	06/04/2019	150.00
			Total for Check Number 92999:	150.00
93000	QUALIWEL 7937	QUALITY WELL DRILLERS Emergency Work on Well 11	06/04/2019	7,200.00
			Total for Check Number 93000:	7,200.00
93001	RamJose 001	Jose Ramirez Refund deposit for Pentecost hall rental 05/25/20	06/04/2019	250.00
			Total for Check Number 93001:	250.00
93002	RAYCOIND 6098248 6098248 6098248 6098248 6098248 6098248	RAYCO INDUSTRIAL SUPPLY Quote #11654 1-(W1004402-Welder) 1-(1027-1: Quote #11654 1-(W1004402-Welder) 1-(1027-1: Quote #11654 1-(W1004402-Welder) 1-(1027-1: Quote #11654 1-(W1004402-Welder) 1-(1027-1: Quote #11654 1-(W1004402-Welder) 1-(1027-1: Quote #11654 1-(W1004402-Welder) 1-(1027-1:	06/04/2019	1,201.28 130.00 1,201.24 330.00 130.00 330.00
			Total for Check Number 93002:	3,322.52
93003	UB*01825	SARBJIT RIAR Refund Check 110331-000, 1533 SAPPHIRE D	06/04/2019	55.22

Check No	Vendor No Invoice No	Vendor Name Description	Check Date Reference	Check Amount
Total for Check Number 93015:				150.00
Total for 6/4/2019:				347,929.11
Report Total (68 checks):				375,440.65

STAFF REPORT

AGENDA ITEM: Resolution Authorizing the City Manager to Sign and File an Application to the San Joaquin Valley Air Pollution Control District (SJVAPCD) for the Purchase of a New Alternative Fuel Vehicle.

MEETING DATE: June 4, 2019

PREPARED BY: Alfonso Manrique, Alternate City Engineer

REVIEWED BY: Jose Antonio Ramirez, City Manager

RECOMMENDATION:

City Council to adopt a Resolution authorizing the City Manager to sign and file an application to the San Joaquin Valley Air Pollution Control District (SJVAPCD) for the purchase of a new alternative fueled vehicle.

BACKGROUND:

The SJVAPCD is currently providing funding opportunities under several components of its Public Benefit Grants (PBG) Program to local public agencies. The PBG program was developed and designed to meet the needs and challenges faced by Valley public institutions by providing funds towards a wide variety of clean-air, public-benefit projects which will provide a direct benefit to Valley residents.

The New Alternative Fuel Vehicle Purchase component of the PBG Program provides funding for the purchase of new alternative fueled vehicles (Electric, Plug-In Hybrid, CNG, LNG, LPG, etc.). Applications for this component are currently being accepted on a first-come, first-serve basis.

The PBG Program offers a grant of up to \$20,000 for each eligible new vehicle with a maximum grant of \$100,000 per agency per calendar year.

DISCUSSION:

The City needs one new vehicle to serve the needs of the City during various sport events. The vehicle needed will be assigned to the Fire Department and will be used for transportation of injured players during sport events.

The funds provided by the PBG program will cover the cost of the vehicle. The new vehicle will be electric and will reduce air emissions. The vehicle that has been selected for this application is a Yamaha Super-Hauler PowerTech (see attached picture).

The following is the cost quoted for the vehicle which is \$13,341.60 (see attached quote) including all taxes and fees.

FISCAL IMPACT:

The purchase of the new vehicle will total \$13,341.60. The eligible grant amount for the vehicles is \$20,000.00. Therefore, there is no fiscal impact of the purchase of this vehicle.

ATTACHMENTS:

1. Resolution 2019 - _____ titled: *“RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LIVINGSTON AUTHORIZING THE CITY MANAGER TO SIGN AND FILE AN APPLICATION TO THE SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT (SJVAPCD) FOR THE PURCHASE OF FOUR NEW ALTERNATIVE FUEL VEHICLES.”*
2. Picture of the Vehicle.
3. Quote for Yamaha Super-Hauler.

RESOLUTION NO. 2019-__

RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LIVINGSTON AUTHORIZING THE CITY MANAGER TO SIGN AND FILE AN APPLICATION TO THE SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT (SJVAPCD) FOR THE PURCHASE OF A NEW ALTERNATIVE FUEL VEHICLE

WHEREAS, the San Joaquin Valley Air Pollution Control District (SJVAPCD) administers the Public Benefit Grant (PBG) program to provide funds to improve air quality; and

WHEREAS, the PBG program and a component for the purchase of new alternative fuel vehicles by public agencies; and

WHEREAS, the City wishes to acquire one new vehicle to be used by various sport events in the City; and

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Livingston hereby resolves as follows:

1. The City Manager (the "Authorized Representative") or designee is hereby authorized and directed to sign and file, for and on behalf of the Entity, an Application to the SJVAPCD for the purchase of a new alternative fueled vehicle.
2. This Authorized Representative, or his/her designee, is designated to provide the assurances, certifications, and commitments required for an application, including executing the agreement, make financial decisions, and implement the purchase of the new vehicle.

Passed and adopted this 4th day of June, 2019, by the following vote:

AYES:

NOES:

ABSENT:

Gurpal Samra, Mayor of the City of Livingston

ATTEST:

I, hereby certify that the foregoing resolution was regularly introduced, passed and adopted at a Regular Meeting of the City Council of the City of Livingston this 4th day of June, 2019.

Antonio Silva, City Clerk of the City of Livingston

Super-Hauler

A flat-bed hauler, the Super-Hauler gets the job done. It has a 6 ft. long bed that's 4 ft. wide and can carry 800 lbs. Used by many cities and municipalities, rental companies and colleges. Available in gas or electric powered.





CUSTOMER ORDER

Remit to:
 38574 Kentucky Ave.
 P.O. Box 1237
 Woodland, CA 95776
 Phone 530-662-1788

Order Number: **C56917**
 Date: **5/2/2019**
 Page: **1**

Sold To	Ship To
MISC - CALIF SALES	MISC - CALIF SALES

Customer ID	Customer P.O.	Payment Terms	Freight Terms
MISC	NORMA CHAVEZ	C.O.D.	Freight billed
Sales Rep ID	Shipping Method	F.O.B.	Ship Date
KIRK FRIEDMAN	DELIVER	DESTINATION	7/19/2019

Quantity			Part No	Description	Unit Price	Extended Price
Ord	Shp	Bck				
1	0	0		YAMAHA SUPERHAULER 2020 model year Yamaha Superhauler PowerTech 48 volt electric powered with the following options added: folding tinted windshield suntop battery upgrade - 6ea 8-volt to 8ea 6-volt chrome wheel covers	11,995.00	\$11,995.00
1	0	0		DELIVERY TO FRESNO,CA	390.00	\$390.00

SUB TOTAL	\$12,385.00
California State Sales Tax	\$869.64
Fresno Co Sales Tax	\$86.96
TOTAL ORDER AMOUNT	\$13,341.60

RECEIVED BY: _____

STAFF REPORT

AGENDA ITEM: Approve a contract with R.L. Friend Construction, Inc. for the rehabilitation improvements for the Walnut Lift Station

MEETING DATE: June 4, 2019

PREPARED BY: Anthony Chavarria, Public Works Director

REVIEWED BY: Jose Antonio Ramirez, City Manager

RECOMMENDATION:

Adopt Resolution No. ___ approving a contract with R.L. Friend Construction, Inc. for the rehabilitation improvements for the Walnut Lift Station.

BACKGROUND:

The Walnut Lift Station was built in 1986 to convey the sewer flows from the City's Industrial Subdivision. The lift station is located within the intersection of Walnut and Industrial Drive. The existing two pumps, piping, guide rails, control panels, and access hatch are in need of repairs but City staff has deferred this work until now as this lift station currently receives very little flows. The lift station has been able to handle these minor flows with only 1 operational pump.

The City is currently processing the permits for a new laundry outfit to be located off of Industrial Drive. This large scale laundry facility proposes to discharge significant sewer flows to the Walnut Lift Station by August of this year.

To restore the lift station capacity and improve reliability, City staff has identified the repair or replacement of both pumps, piping, guide rails, control panels, and access hatch to be completed prior to the operation of the new laundry facility. City staff prepared specifications for this work and provided them to prospective bidders for quotes. A total of five (5) contractors were reached out to but only three responded.

DISCUSSION:

The bidding requirements for this repair work are governed by both the California Public Contract Code and Livingston Municipal Code. The Public Contract Code provides that public works projects are subject to formal bidding requirements including street or sewer work except maintenance or repair. This work consists of repairs to an existing lift station, therefore, it is not subject to the bidding requirements under the Public Contract Code.

The Livingston Municipal Code requires formal bidding procedures for all purchases over \$10,000 unless the formal bidding process is undesirable, impossible, unavailing or incongruous as determined by the City Manager. The City Manager has determined that the formal bidding process for this work is undesirable and recommends that the City proceed with awarding a contract for the lift station repairs based on informal quotes. This determination was based on the need to complete this work quickly due to impacts to local businesses and protecting health and safety.

City staff received three quotes from the following contractors to complete the work.

1. R.L. Friend Construction, Inc. - \$116,602.00
2. Telstar Instruments - \$187,212.00
3. Smith Construction Company, Inc.- \$285,484.00

City staff recommends completing the lift station rehabilitation improvements using R.L. Friend Construction with the lowest quote for the work.

FISCAL IMPACT:

The lift station rehabilitation costs will be funded 100% from the wastewater enterprise funds included in the FY 2018-2019 budget.

ATTACHMENTS:

1. Resolution No. ____
2. R.L. Friend Construction, Inc. Quote dated May 23, 2019

RESOLUTION NO. 2019-

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LIVINGSTON
AWARDING A CONTRACT TO J.L. FRIEND CONSTRUCTION, INC. FOR THE
REHABILITATION IMPROVEMENTS FOR THE WALNUT LIFT STATION, AND MAKING
FINDINGS SUPPORTING THAT THE PROCUREMENT FOR THESE SERVICES IS EXEMPT
FROM COMPETITIVE BIDDING REQUIREMENTS**

WHEREAS, the City of Livingston owns and maintains the Walnut Lift Station built in 1986 and located at the intersection of Walnut and Industrial Drive; and

WHEREAS, the lift station is in need of repairs but had been deferred until now as this facility receives very little flows which are handled with only one operational pump; and

WHEREAS, the City is processing permits for a new laundry facility which proposes to discharge significant sewer flows to the lift station; and

WHEREAS, in order to restore the lift station capacity and improve reliability, City staff has identified the repair or replacement of both pumps, piping, guard rails, control panels, and access hatch prior to the operation of the new laundry facility; and

WHEREAS, City staff would like to proceed with the rehabilitation work for this lift station and have received the following three quotes from qualified contractors to complete the work:

1. R.L. Friend Construction Inc.- \$116,602
2. Telstar Instruments - \$187,212
3. Smith Construction Company, Inc. - \$285,484; and

WHEREAS, Chapter 1-11 of the Livingston Municipal Code sets forth the City of Livingston's Purchase Policies and Procedures and establish that purchases of operational supplies, materials, and equipment in excess of Ten Thousand Dollars (\$10,000) be subject to formal bidding; and

WHEREAS, Section 1-11-10 of the Livingston Municipal Code provides that certain purchases are exempt from formal competitive bidding when calling for bids on a competitive basis in the opinion of the City Manager/Director of Finance is undesirable, impossible, unavailing or incongruous; and

WHEREAS, Section 201619(c) of the California Public Contract Code provides that public works projects are subject to formal bidding requirements including street or sewer work except maintenance or repair; and

WHEREAS, the work to rehabilitate the lift station is considered sewer repairs, therefore, it is not subject to the bidding requirements under the California Public Contract Code; and

WHEREAS, the City Manager has determined that the formal bidding process for this work is undesirable based on the need to complete these repairs quickly due to impacts to local businesses and protecting health and safety and recommends that the City proceed with awarding a contract for the lift station repairs based on informal quotes; and

WHEREAS, the City Council desires to enter into a contract with R.L. Friend Construction, Inc. who provided the lowest quote at \$116,602.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Livingston as follows:

Section 1. The above recitals are true and correct findings of the Livingston City Council.

Section 2. The Walnut Lift Station repairs are exempt from bidding requirements per the California Public Contract Code.

Section 3. The purchase for contractor services to rehabilitate the lift station is exempt from formal competitive bidding pursuant to Section 1-11-10 of the Livingston Municipal Code.

Section 4. The City Manager is hereby directed and authorized to execute an agreement with R.L. Friend Construction, Inc. for the Walnut Lift Station rehabilitation work for the quoted price of \$116,602.00.

Passed and adopted this 4th day of June, 2019, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

The foregoing resolution is hereby approved.

Gurpal Samra, Mayor
of the City of Livingston

ATTEST:

I, hereby certify that the foregoing resolution was regularly introduced, passed and adopted at a Regular Meeting of the City Council of the City of Livingston this 4th day of June, 2019.

Antonio Silva, City Clerk
of the City of Livingston



Service Proposal

To: City of Livingston, Public Works
Address: 2238 Walnut Ave.
Livingston, CA 95334
Attn: Anthony Chavarria

From: R.L. Friend Construction, Inc.
Address: 731 E. Yosemite Ave., Suite B #127
Merced, CA 95340
Contact: Robert Friend, Estimator/Project Manager

Project Name: **Walnut Sewage Lift Station Rebuild**
General Scope: **Rehabilitation of Existing Sanitary Sewer Lift Station**
Proposal Date: 5/23/2019
Proposal No.: 5231
Dwg. Ref: Attached
Spec. Ref: Attached
Addenda: #1, Attached

Proposal Total: \$116,602.00

SCOPE OF WORK:

Provide all Labor, Materials, Tools, & Equipment to perform the work as described for the Walnut Sewage Lift Station Rebuild project. For a detailed list of item quantities included by this proposal please see the attached bid breakdown of items. Descriptions of the items provided by this proposal are as follows:

➤ Lift Station Wet Well:

- Remove existing submersible pumps, provide and install (2) new 4" HOMA AMS436-230, 3.8 HP pumps and discharge elbows. **New HOMA pumps lead time for procurement is estimated at 6-8 weeks after approved submittals and placement of order**
- Remove and replace existing 4" discharge piping with new 4" Ductile Iron discharge piping and fittings. All new hardware to be Stainless Steel
- Remove and replace existing slide rails, brackets, hangers, etc. All new materials and hardware to be Stainless Steel
- Install new pump control floats, cables, wires, and brackets
- Remove and replace existing wet well concrete lid and access hatch. New access hatch to be H20 Heavy Duty continuous traffic rated

➤ Lift Station Electrical:

- Remove existing Pump Control Panel, provide and install new Pump Control Panel supplied by Bogie's Pump Systems and manufactured by G&G Controls per project specifications. **New Control Panel procurement is estimated at 6-8 weeks after approved submittals and placement of order.**

- Terminate new pumps cables, new pump float cables, and power service cables in new Pump Control Panel. **Wires, cables, and terminations associated with integrating the City’s SCADA communications system with the new Control Panel is excluded.**
- Install new cables in the City’s existing underground electrical conduit system from the wet well to the Control Panel location to install new pump motor power, sensor, and control cables. **If the City’s underground conduit system provides insufficient capacity for new cables, new conduits may need to be installed. The cost of installing new conduits are not included in this proposal. If new underground conduits need to be installed, R.L. Friend Construction will work jointly with the City to reduce the costs of installation, however additional costs may apply.**

➤ **Miscellaneous Items**

- Traffic Control: Provide, maintain, and install all traffic control devices to safely detour vehicular and pedestrian traffic around the work area during construction activities. Traffic Control to include road closures and detours.
- Sewer Bypass/Flow Control: Provide, maintain, and install items to safely and adequately control or inhibit the flows of existing Sanitary Sewage from entering the Lift Station during working hours.
- Mobilization, Layout, Coordination, & De-mobilization: Provide all resources to perform the work as described above.

EXCLUSIONS & CONDITIONS

*** Please review these terms carefully before accepting this proposal. ***

1. All costs associated with permits and procuring permits have been excluded.
2. Payment and Performance Bond costs are excluded in this proposal.
3. Product submittals for the major items/materials associated with the work described by this proposal are included.
4. **The costs for this project were prepared prior to the U.S. Trade Commission’s enforcement of tariffs against Chinese imported products, goods, and services. The cost of some items included by this project, namely Ductile Iron pipe, fittings, and valves, may be impacted due to these tariffs. This may result in increased costs for these items.**
5. Traffic Control plans prepared and stamped by a registered engineer are not included. It is assumed that the streets affected by the work associated with this proposal may be “Closed to Thru Traffic” during working hours.
6. All costs associated with initial soils compaction testing is excluded. It is assumed the service of a qualified geotechnical testing firm will be employed by the Owner or GC and the costs of the first round of all tests will borne by the Owner/GC.
7. It is assumed that general construction water will be onsite, available, and within a reasonable distance (200 ft.) from the work area.
8. It is assumed the use of construction water will be available at no charge throughout the course of this project.
9. This proposal provides for (1) mobilization and (1) demobilization. Additional mobilizations/demobilizations will incur additional charges.
10. All work is to be performed during normal business hours 7:00 am to 6:00 pm, Monday – Saturday. If these working hours are restricted for any reason RTC CM, Inc. reserves the right to amend the costs associated with this proposal.

PAYMENT TERMS

Monthly progress payments will be submitted to the General Contractor based on percentage of work completed by RLFC, Inc. Payment terms are NET 30 from the date RLFC, Inc. invoice is submitted to client. Late payments will be subject to a 1.5% per month service charge or the maximum amount allowed by State and Federal Law.

CANCELLATION POLICY

Please be aware that R.L. Friend Construction, Inc. maintains a strict policy regarding cancellations and payments in regards to proposals and services of this nature. Once executed, if the client choses to terminate or cancel the terms of this proposal at any time, all monies or payments received by R.L. Friend Construction, Inc. will be considered non-refundable and will not be returned. In addition, the client will remain directly responsible for the costs of all services provided yet unbilled prior to the time of cancelation.

PRIVACY STATEMENT

The contents of this proposal are intended strictly for the sole use of the client identified in the first page of this proposal. R.L. Friend Construction, Inc. considers the information provided by this proposal to be sensitive in nature. We respectfully request that no part of this document is shared or transferred with outside persons, companies, or organizations.

DISCLAIMER

While every attempt has been made on the part R.L. Friend Construction, Inc. to provide the client with a complete and accurate service based on the terms of this proposal, the level of accuracy and acceptance of the information provided by R.L. Friend Construction, Inc. must be determined solely by the client.

If you have any questions or concerns regarding the contents of this proposal, please feel free to contact me at any time. If you would like to accept the terms of this proposal, please sign, date, and return this document at your earliest convenience.

Thank you for the opportunity to provide you with this proposal.

Print Name

Owner/Company Name

Sign Name

Date Accepted

Thank you,

Robert Friend

Project Manager & Estimator
Direct: 209.389.3335
Mobile: 209.261.8814
Email: robert@rtccons.com

R.L. FRIEND CONSTRUCTION, INC.

Serving California's Bay Area & Central Valley
DIR #1000009998
CSLB License #984766

PROJECT NAME: **City of Livingston Walnut Ave. SS Lift Station Rehabilitation- HOMA PUMPS**



ESTIMATOR: **Robert Friend**
 BID DATE: **4/25/2019**
 BID TIME: **N/A**
 ESTIMATE TOTAL: **\$116,602.00**

BID ITEMS & PRICES

DESCRIPTION OF PROJECT BID ITEMS					FINAL BID ITEM PRICES	
Tab No.	Item #.	Bid Item Name	QTY	TYPE	Unit Price	Total Item Cost
1	1	Prep, Layout, & Demobe	1	LS	\$ 5,369.00	\$ 5,369.00
2	2	Traffic Control	1	LS	\$ 2,308.00	\$ 2,308.00
3	3	Sewer Bypass/Flow Control	1	LS	\$ 2,710.00	\$ 2,710.00
4	4	Remove & Replace existing discharge piping	1	LS	\$ 13,070.00	\$ 13,070.00
5	5	Remove & Replace exisiting submersible pumps	1	LS	\$ 51,161.00	\$ 51,161.00
6	6	Remove & Replace existing Wet Well Lid and Hatch	1	LS	\$ 28,309.00	\$ 28,309.00
7	7	Remove & Replace exisiting Pump Control Panel	1	LS	\$ 13,675.00	\$ 13,675.00
					TOTAL SELLING PRICE=	\$ 116,602.00

ADDENDUM NO. 1

Date of Addendum: April 22, 2019

Project: Walnut Sewage Lift Station Rebuild - RFP

Owner: City of Livingston

To: Prospective Bidders

From: City of Livingston
2238 Walnut Ave
Livingston, CA 95334

1. This Addendum forms a part of the Bidding Documents and will be incorporated into the Contract Documents, as applicable. All other conditions of the Contract Documents remain unchanged. The following changes, additions, or deletions as set forth herein shall apply to the Contract Documents and shall be made a part thereof and shall be subject to all the requirements thereof as though originally shown and/or specified.

2. The Contract Documents are hereby modified to affect the following changes:

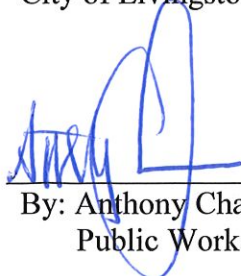
The third paragraph of the RFP was changes to:

“Work set forth for this project will be paid on lump sum basis. Lump sum price for contract shall include full compensation for furnishing and installing all equipment and completing the work as described, including materials, labor, and equipment and all appurtenant work necessary for the completion of the work.”

The fourth paragraph of the RFP was deleted.

3. Bids shall be submitted in accordance with this Addendum. All Bidders MUST acknowledge receipt of this Addendum by signing and returning this Addendum with your Bid.

City of Livingston



By: Anthony Chavarria/
Public Works Director

Firm Name: R.L. Friend Construction, Inc.

By: _____

Title: Vice President

Date: 4/26/2019

WALNUT SEWAGE LIFT STATION REBUILD

GENERAL

The major work consists of replacing sewer lift-station pumps, controls, mounting hardware, discharge pipes, replacing hatch lid and pavement repairs at the Walnut Lift Station in the City of Livingston.

Contractor to maintain sewer flows/bypasses uninterrupted during construction.

The time for completion is 20 working days.

Work set forth for this project will be paid on lump sum basis. Lump sum price for contract shall include full compensation for completing the work as described, including materials, labor, and equipment and all appurtenant work necessary for the completion of the work.

City of Livingston is to furnish new pumps, controllers, sensors and surface hatch lid, and as part of this contract, the contractor shall install furnished equipment. All other materials that are not furnished by the City are to be provided and installed by the contractor.

DEMOLITION

Demolition shall consist of saw cutting asphalt concrete, demolishing, removing and disposing of concrete, removing base and native material, pumps, valves, pipes, removal of the wet-well lift suction mechanism, removal of hatch lid and all other items required to be removed as required for construction.

All items to be demolished and/or removed shall become the property of the Contractor and shall be removed from the project site and properly disposed of in a timely manner.

AGGREGATE BASE

Aggregate base shall be Class 2, 3/4-inch maximum size and shall conform to Section 26, "Aggregate Bases," of the State of California, Department of Transportation Standard Specifications.

Aggregate base shall be non-recycled (virgin).

CONCRETE

Concrete shall develop a minimum 28-day compressive strength of 3,500 psi. The net water-cement ratio of the concrete (exclusive of water within or absorbed by the aggregates) shall not exceed 0.55, by mass. A minimum of 5.5 sacks of cement to each cubic yard of concrete shall be used. The slump shall not exceed 4 inches. The Engineer reserves the right to alter the required slump whenever, in his judgment, the quality of the Work would be improved.

Concrete placement include reinforcing steel, dowelling, placing concrete collar at surface hatch, grouting of annular cavities, unfinished areas due to equipment or pipe penetration and all other work required to construct concrete repairs as needed for the sewer discharge pipes replacement, wet well and roadway surface work.

AC PAVING

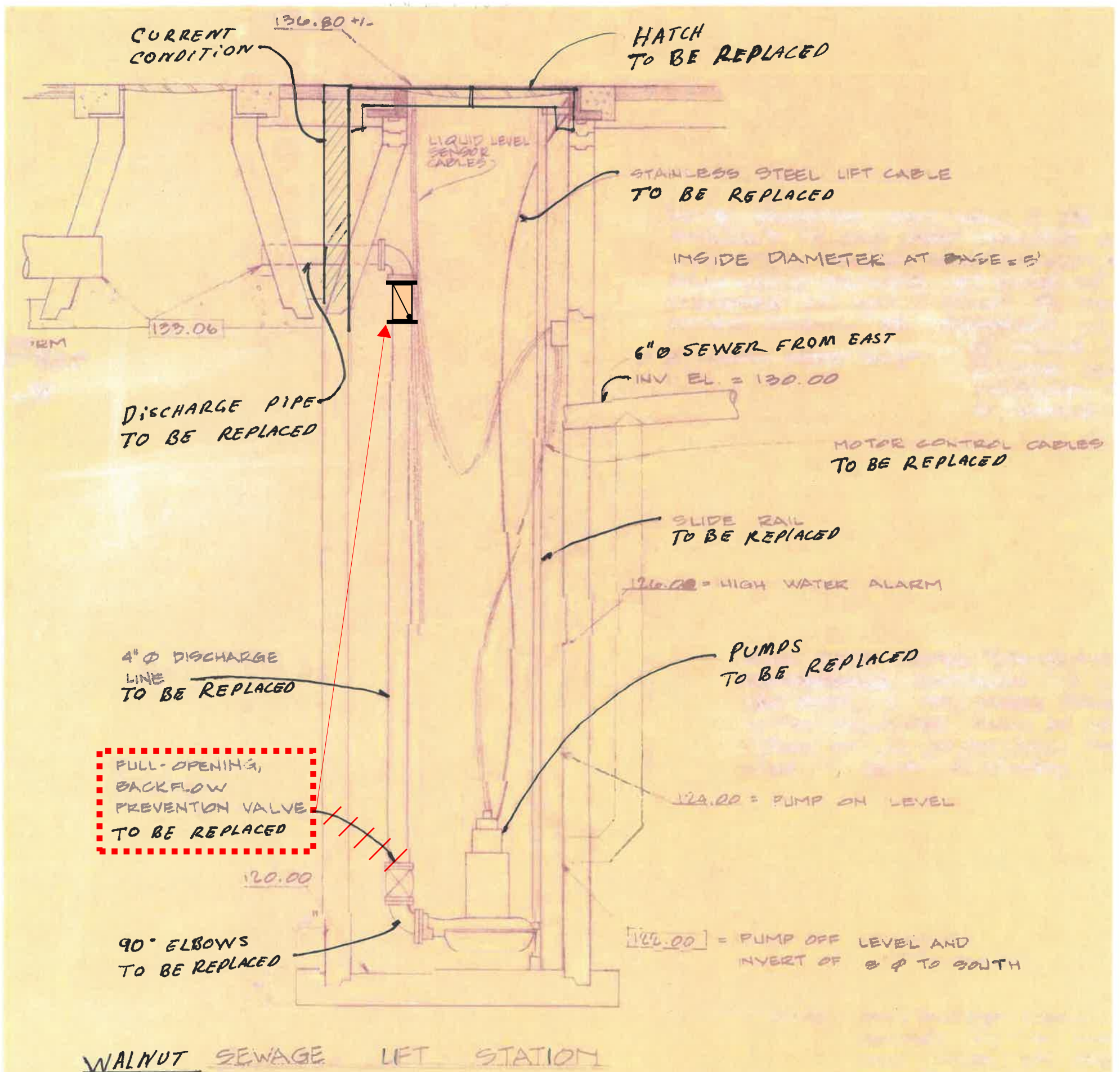
Asphalt concrete surfacing shall consist of a mixture of mineral aggregate and paving grade asphalt mixed at a central mixing plant and spread and compacted to form a uniform layer. The specification grade of the asphalt shall be PG64-10. Asphalt concrete surfacing shall be Type B, ½-inches maximum size.

Asphalt concrete furnished and placed includes all work required to complete in place asphalt concrete pavement repairs.

INSTALLATION

Contractor to provide any required testing during and after installation. Installation consists on mounting slide rails, hardware pertaining to new equipment and anchoring equipment in place, installing sewage lift pumps, and digital pump controller with sensors, installing new 90-degree elbows, and discharge risers, replacing horizontal discharge pipes, installing, conditioning and compacting subgrade and placement of aggregate base as required. Installation also include placing the hatch lid, replacing the removed asphalt concrete with new asphalt concrete to patch trench at roadway and all other appurtenances. Pipes provided by contractor may be cast iron or ductile iron and hardware and fasteners to be stainless steel.

Contractor to review specifications by pump manufacturer and sketch provided for additional information. It is advised that contractor field verify lengths, sizes of pipes and site conditions prior to commencing work. Contractor must comply with City Improvement Standards and implement a Traffic Control Plan during construction. Prior to beginning work, contractor shall provide a Traffic Control Plan to be reviewed and approved by the City.



- DETAIL BASED ON ORIGINAL PANS FOR WALNUT LIFT STATION
- FOR REFERENCE ONLY
- FIELD VERIFY



City of Livingston
Walnut L/S Retrofit
Spec Data

2238 Walnut Ave
Livingston, CA 95334

Technical Information

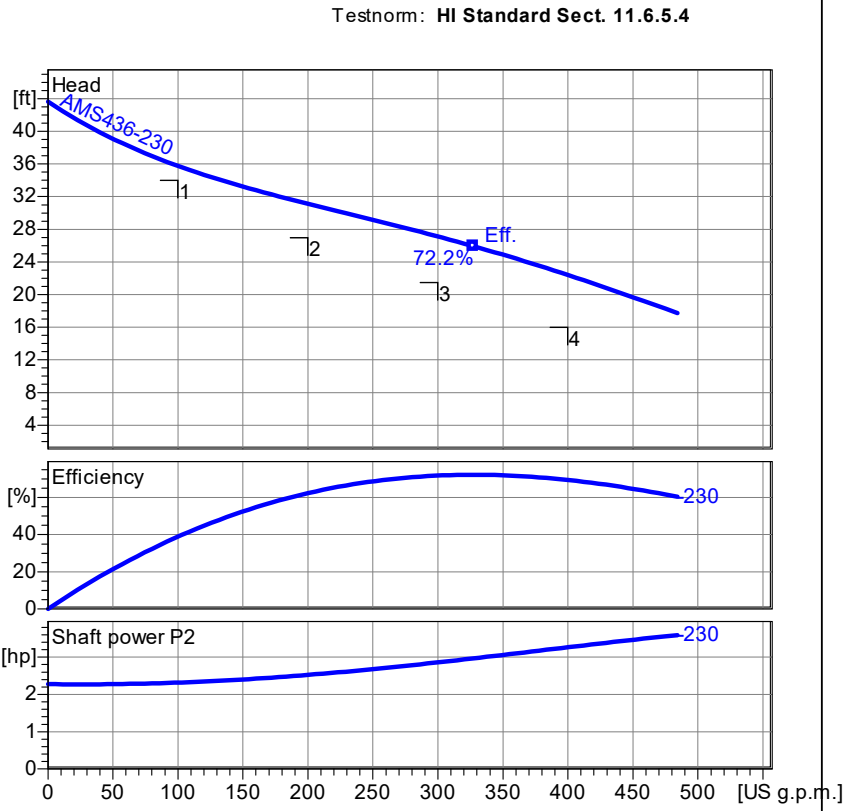
AMS436-230/3,8T/C FM

Operating data	
Flow	300 US g.p.m.
Head	21.5 ft
Shaft power P2	2.97 hp
Pump efficiency	72.2 %
Required pump NPSH	
Pumpe type	Single pump
No. of pumps	1
Fluid	Water, clean

Pump	
Pump Code	AMS436-230/3,8T/C FM
Impeller	Single channel impeller
Impeller size	230 mm
Solid size	80 mm
Discharge port	4" ANSI
Suction port	DN100

Motor	
Rated voltage	230/ 460V
Frequency	60 Hz
Rated power P2	3.8 hp
Rated speed	1160 rpm
Number of poles	6
Efficiency	82 %
Rated current	11 / 5,5A
Degree of protection	IP 68

Materials	
Motor housing	Cast Iron ASTM A48;Cl.40B
Impeller	Cast Iron ASTM A48;Cl.40B
Pump housing	Cast Iron ASTM A48;Cl.40B
Wear ring	Bronze ASTM B505; C93200
Motor shaft	AISI 430 F Stainless Steel
Bolts	AISI 304 Stainless Steel
Elastomers	Nitrile Rubber
Mechanical seal on motor side	SiC / SiC
Mechanical seal on medium side	SiC / SiC
Lower Bearing	Double row angular ball bearing
Upper Bearing	Deep Groove Ball Bearing



Wet well installation with coupling kit (T, 200...230)
 Dimensions in mm [inch], letters see table

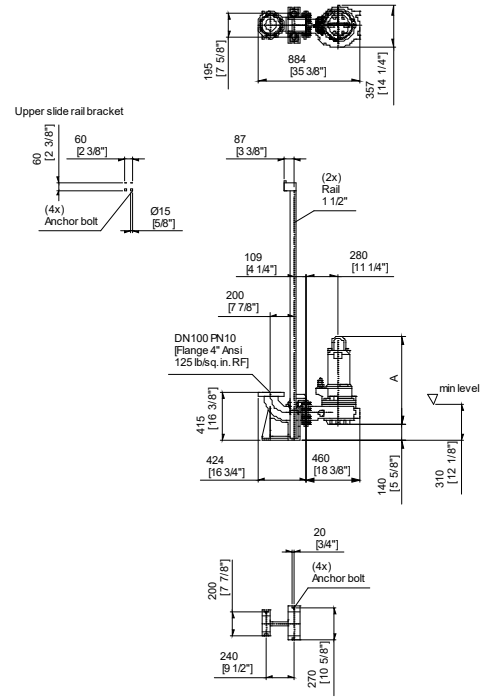


Table Dimensions (mm)

H	692
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2.0.1 - 04.09.2018 (Build 147)

Performance Curve

AMS436-230/3,8T/C FM



Impeller

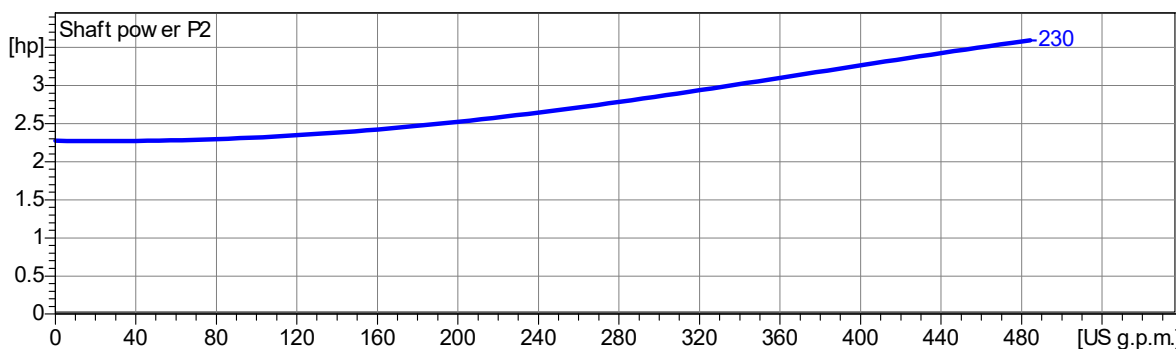
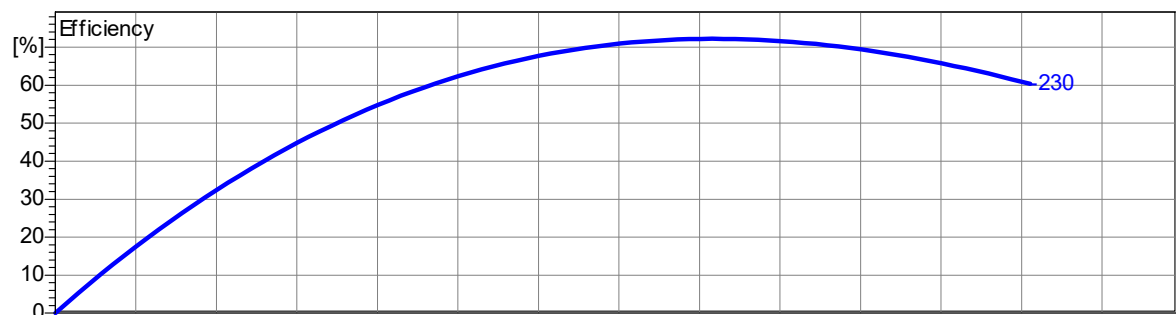
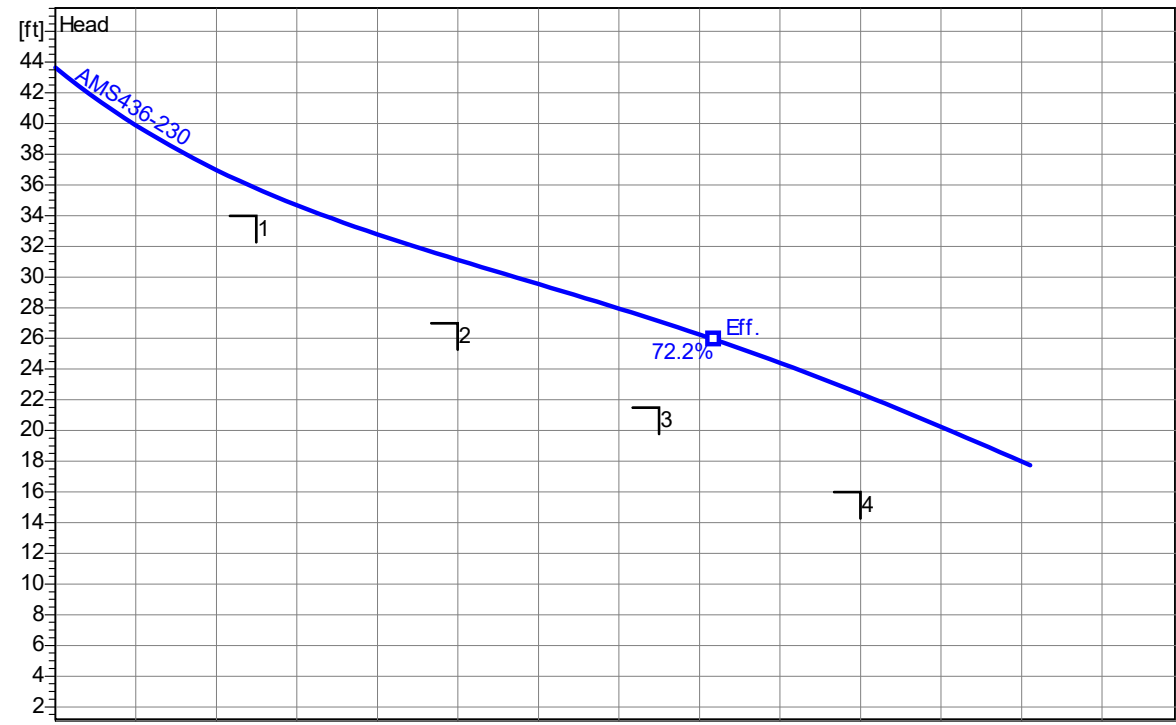
Impeller type: Single channel impeller	Solid size 80 mm	Ø:	Max. Ø: 230 mm	Min. Ø: 190 mm	Sel. Ø: 230 mm	
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Operating data

Speed: 1160 rpm	Frequency: 60 Hz	Duty point: Q = 300 US g.p.m. H = 21.5 ft	Shaft power P2: 2.97 hp	Discharge port: 4" ANSI
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Power data referred to:
Water, clean [100%] ; 68°F; 62.322lb/ft³; 1.0818E-5ft²/s

Testnom: **HI Standard Sect. 11.6.5.4**



2.0.1 - 04.09.2018 (Build 147)

Project	Project no.:	Created by:	Page: 2	Date: 2019-01-16
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Dimensions

AMS436-230/3,8T/C FM

Wet well installation with coupling kit (T, 200...230)
 Dimensions in mm [inch], letters see table

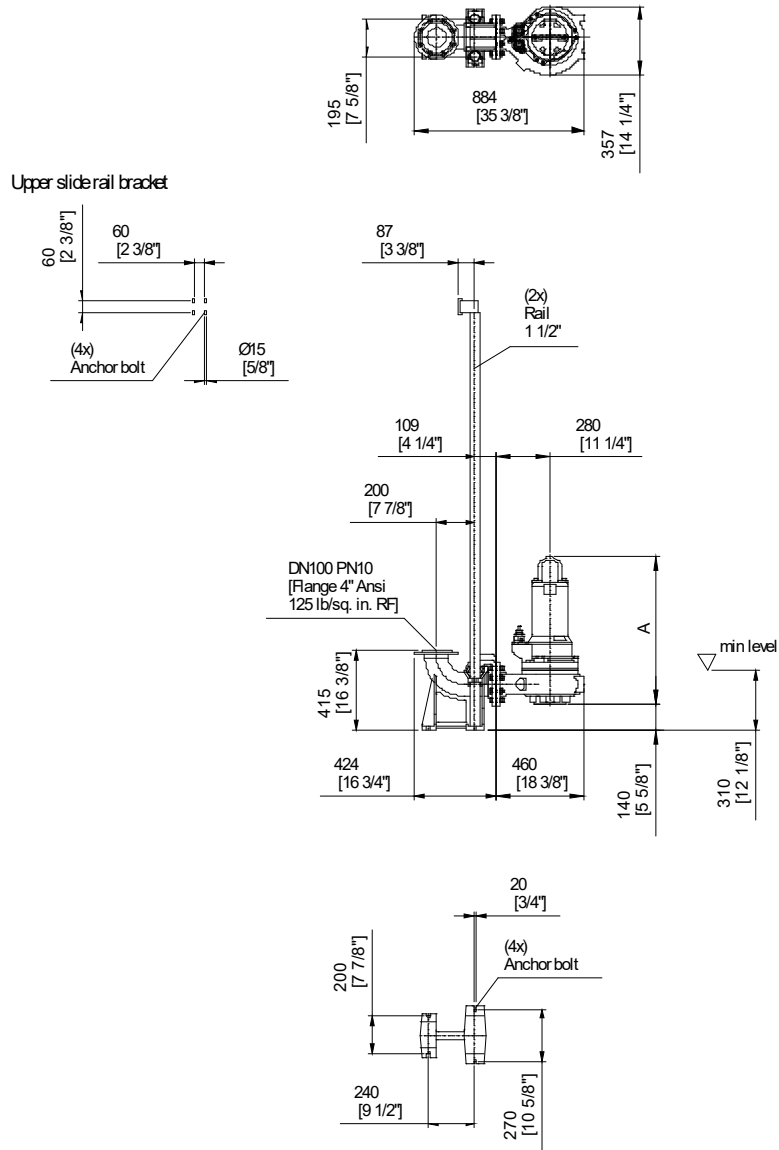


Table Dimensions

(mm)

H 692

min level = Minimum fluid level for intermittent operation (S3)

2.0.1 - 04.09.2018 (Build 147)

Project	Project no.:	Created by:	Page: 3	Date: 2019-01-16
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Technical Data

AMS436-230/3,8T/C FM



Operating data				
Flow	300 US g.p.m. / 66 g.p.m.	Head	21.5 ft	ft
Shaft power P2	3.0 hp	Static head	0	ft
Pump efficiency	72.2 %	Required pump NPSH		ft
Pumpe type	Single pump	No. of pumps	1	
Fluid	Water, clean	Temperature	68	°F
Density	62.32 lb/ft³	Kin. viscosity	1.082E-5	ft²/s

Pump				
Pump Code	AMS436-230/3,8T/C FM	Speed	1160	rpm
Suction port	DN100	Head	Max.	43.6 ft
Discharge port	4" ANSI		Min.	17.7 ft
Impeller type	Single channel impeller	Flow	Max.	484.3 US g.p.m.
Solid size	80 mm	Pump efficiency max.	72.2	%
Impeller Ø	230 mm	Required rated power max. P2	3.6	hp

Motor				
Motor design	Submersible motor	Insulation class	H	
Motor name	AM173.4,6T/6/3	Degree of protection	IP 68	
Frequency	60 Hz	Temperature class	T3C	
Rated power P1	4.6 hp	NEMA code	E	
Rated power P2	3.8 hp	Explosion protection	Class I, Div. 1, Grp. C&D	
Rated speed	1160 rpm	Efficiency at % rated power	100%	82.0 %
Rated voltage	230 / 460 V 3~		75%	83.0 %
Rated current	11.0 / 5,5 A		50%	85.0 %
Starting current, direct starting	44.0 / 22 A	cos phi at % rated power	100%	0.78
Starting current, star-delta	14 A		75%	0.70
Starting mode	Directly		50%	0.58
Power cable	7X1,5	Control cable	4X1,5	
Type of power cable	NSSHÖU-J	Type of control cable	NSSHÖU-J	
Cable length	32.809 ft	Service factor	1.15	
Shaft seal	Mechanical seal on motor side	SiC / SiC		
	Mechanical seal on medium side	SiC / SiC		
Bearing	Lower Bearing	Double row angular ball bearing		
	Upper Bearing	Deep Groove Ball Bearing		
Remarks				

Materials / Weight			
Motor housing	Cast Iron ASTM A48;Cl.40B	Bolts	AISI 304 Stainless Steel
Pump housing	Cast Iron ASTM A48;Cl.40B	Elastomeres	Nitrile Rubber
Impeller	Cast Iron ASTM A48;Cl.40B		
Wear ring	Bronze ASTM B505; C93200		
Motor shaft	AISI 430 F Stainless Steel		
Weight aggregat	266.75 lb		

Project	Project no.:	Created by:	Page: 4	Date: 2019-01-16
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2.0.1 - 04.09.2018 (Build 147)

SCOPE

Furnish 2 HOMA Model AMS436-230/3.8T/C FM, 4 inch discharge, electric submersible wastewater pump(s), each consisting of a single stage, non-clog, centrifugal pump, close-coupled to a squirrel cage induction type electric motor assembled in a single-body, watertight aggregate, capable of maintaining its watertight integrity submerged under 65 feet of water. The pumps(s) shall be designed to handle raw, unscreened sewage, storm water, sludge, or similarly contaminated liquid at an operating point of 325 GPM at 25 ft. TDH with a hydraulic efficiency of at least 72 %. Shut-off head shall be 43.6 ft. minimum. As this pump is utilized for solids handling, it must be capable of repeatedly passing non-compressible, spherical solids up to 3 inch in diameter. The motor shall be 3.8 HP with max speed of 1150 RPM designed for operation with a 3 phase, 60 HZ, 230 volt electrical supply. Each motor shall be connected for operation with 50 feet of power and control cable.

When the application requires, the motor shall be approved for operation in Class 1 Division 1, Groups C & D Areas by Factory Mutual (FM).

PUMP CONSTRUCTION

All major castings shall be of ASTM A-48, Class 40B gray, cast iron with smooth surfaces devoid of porosity, irregularities, or other defects. All exposed fasteners shall be of AISI 304 stainless steel. All exterior surfaces not constructed of stainless steel shall be protected by a factory-applied, two-part, high solids epoxy paint.

Sealing design between castings shall incorporate Nitrile (Buna-N) O-rings in controlled compression in two planes of the sealing interface. The interfaces shall be machined, metal-to-metal contacts and shall not require a specific torque on the securing fasteners to ensure sealing. Rectangular cross sectioned gaskets which require specific torque limits to achieve compression are susceptible to uneven compression and may be compressed beyond the point of permanent deformation; therefore they shall not be acceptable.

WET WELL INSTALLATION

For automatic operation in a wet well, an auto-coupling assembly shall be supplied for the retrieval of pumps, to eliminate the need for entering the wet well for service. This system shall consist of a permanently installed base elbow in the wet well and a removable guiding flange to be attached to the pump discharge. The auto-coupling discharge flange shall be ANSI Class 125 lb. cast iron in 4 inch size. Both the base elbow and the guiding flange shall be made of ASTM A-48, Class 40B cast iron. The guiding flange shall utilize a dual rail system with two rigid guide pipes connected to the base elbow to reliably provide a self-engaging, firm, leak-proof coupling between the

pump discharge and the elbow. In order to maximize reliability of this sealing, systems that utilize a single rail, or non-rigid guiding systems such as cable or line shall not be considered acceptable.

Sealing shall be accomplished through the use of a field-replaceable, Nitrile (Buna-N) profile gasket that is axially and evenly compressed upon contact to positively seal the pump discharge against the base elbow. Sealing systems that rely on metal-to-metal contact faces are subject to leaking and blow-by and shall not be considered acceptable.

For ground or portable installation, a ring stand shall be supplied to attach to the bottom of the pump in order to prevent any part of the pump from bearing directly on the basin floor.

IMPELLER

The impeller shall be cast as one piece of Grade 316 Stainless Steel, statically and dynamically balanced. The impeller shall be single-vane closed (double-shrouded), and shall meet the Ten State Standards requirement for minimum solids passage of 3 inches. The manufacturer must certify a test of a static solids passing test to confirm the supplied pump is capable of passing 3" non-compressible solids in a static configuration. Impellers that are not capable of passing a 3 inch, non-compressible solid in a static state, or which require axial movement in order to pass shall not be considered acceptable. Impellers that require adjustment over time in order to maintain proper tolerance to the volute shall not be acceptable.

VOLUTE

The volute shall be cast in one piece of ASTM A-48, Class 40B Cast Iron with smooth contours and surfaces to provide obstruction-free passageways with low friction losses. The discharge flange of the volute shall have a standard ANSI or DIN bolt pattern. Proprietary bolt patterns shall not be acceptable. The Volute and Pressure cover should be hardened via Plasma Ion Nitriding Hardening Treatment, resulting in approximate hardness of 650 BHN.

WEAR RING

Tolerance between the nose of the impeller and the suction flange of the volute shall be controlled by a pair of replaceable wear rings. A stationary wear ring cast from ASTM B505 Bronze shall be press fit into the volute suction, and an integral wear ring shall be cast into the nose of the impeller in ASTM A-48, Class 40B Cast Iron. Wear systems that require routine adjustment in order to maintain tolerances shall not be acceptable.

BEARINGS

The shaft shall be supported by pre-lubricated, anti-friction bearings. These bearings shall be non-proprietary and shall be produced and branded by a major manufacturer of bearings. The bearings shall have an L-10 life of 100,000 hours at the pump's Best Efficiency Point (BEP). The lower, impeller-side bearing shall be a double-row, deep groove, angular contact ball bearing, axially-retained, to sustain both axial and radial loads. The upper, motor-end bearing shall be a single-row, deep groove ball bearing, axially floating, to sustain radial loads only.

SEALS

The motor shall be protected from water intrusion by a tandem mechanical seal arrangement. The mechanical seals shall be of a non-proprietary design and shall be produced and branded by a major manufacturer of mechanical seals. The seals shall operate in an isolated oil chamber, which shall provide lubrication and cooling. One seal shall prevent intrusion from the pumped medium into the oil chamber, and the second seal shall prevent intrusion from the oil chamber into the motor. Each seal shall utilize one stationary silicon-carbide seal face, and one rotating silicon carbide seal face positively driven by its own spring and utilize Nitrile (Buna-N) elastomers. The springs shall be protected from the pumped medium, and under no circumstances shall solid particles accumulate on the external spring and hamper its effectiveness. Seals shall not require routine maintenance except periodic inspection of the oil chamber.

In order to prevent damaging particles in the pumped media from interfering with the seal, the top shroud of the impeller shall maintain a close tolerance to a matching surface in the wall of the volute. This tolerance shall be small enough that potentially damaging particles in the pumped media are unable to pass. Arrangements that rely on cutting systems to reduce the size of particles or those that rely on directing particles away from the seal shall not be acceptable

Seal systems that utilize a common single or double spring acting between the upper and lower seal, any system that utilizes pressure differential to ensure proper sealing, seals utilizing mechanical locking devices such as set screws or pins to hold the seal in place, and any proprietary seal not produced and branded by a major mechanical seal manufacturer shall not be allowed.

SEAL FAILURE EARLY WARNING SYSTEM

In order to warn of seal failure and allow the pump to be shut down before moisture reaches the motor, the pump shall be supplied with an early warning system, consisting

of a conductive seal probe to be installed in the seal oil chamber. This probe shall monitor for leakage and shall provide early warning of potential seal failure before moisture reaches the motor. Systems which utilize less reliable mechanical leakage detectors shall not be acceptable. Systems which rely upon detectors in the motor housing shall not be considered an early warning system and shall not be acceptable.

MOTOR

The motor shall be an air-filled, submersible, squirrel cage, induction-type motor of the NEMA type B design. The motor shall be housed in a watertight enclosure capable of continuous operation at a submergence of 65 feet, and made of ASTM A-48, Class 40B Cast Iron. Fitting the stator into the enclosure with the use of bolts, pins, or other fastening devices which would require penetration of the housing shall not be acceptable.

The stator windings shall be insulated with moisture-resistant Class-H insulation. In each phase winding, there shall be embedded a bi-metallic temperature sensor, wired in series and interlocked with the motor overload protection in the control panel. Any of these thermal switches shall cut out electric power if the temperature in its winding exceeds 140°C (284°F), and shall automatically reset when the winding temperature returns to normal conditions.

The motor shall be non-overloading through the selected performance curve and shall perform in accordance with NEMA MG1, Part 30. The motor shall be rated for continuous operation in environments up to 104°F or intermittently up to 140°F, and shall be capable of sustaining 15 starts per hour. Motors shall be available to meet NEMA MG1, Part 31 and VFD-rated if required.

When the application requires, the motor shall be approved for operation in Class 1 Division 1, Group C & D Areas by Factory Mutual (FM).

SHAFT

The pump and motor shaft shall be an integral, one-piece unit composed of AISI 430 Stainless Steel. Shafts that utilize carbon steel, two-piece or sleeved construction shall not be considered acceptable. The maximum allowable shaft deflection at the shaft seal shall not be more than 0.002 inches while within operating range.

CABLE ENTRY

Each cable entry assembly shall contain a cylindrical elastomer grommet, flanked by two washers, closely fitted to the cable O.D. A watertight seal shall be maintained by

screwing a threaded cable entry gland into a cable inlet flange which bolts into the motor cap. The cable entry shall not require a specific torque to ensure watertight integrity. The gland shall incorporate a strain-relief and anti-kink feature that shall function independently from the separate sealing action. For pumps over 10.5 horsepower, an isolated junction chamber containing the terminal board shall be sealed from the motor by means of a watertight isolation plate.

When the application requires, the cable entry shall be drilled and potted to completely prevent gas intrusion. The assembly shall be non-removable to ensure the integrity is preserved, and shall be approved for operation in Class 1 Division 1, Group C & D Areas by Factory Mutual (FM).

Overview

The GO switch pump protection and monitoring modules are designed to provide a low-cost, flexible solution for protecting HOMA submersible sewage pumps against thermal and seal-failure conditions. Separate LED indication and relay contact outputs for each function are included. Flexible model options enable protection of any submersible sewage pump with heat sensor and/or seal-failure sensing devices installed. The GO Switch may be powered by 24 or 240 VAC, 50/60 Hz with no modifications. Standard models are available for monitoring via resistance probes, seal-failure float switches, Klixon thermal switches, RTDs and thermistors. Custom modules may also be factory configured.

Operation Description

The GO Switch combines detection circuits for both motor and bearing over-temperature and seal-failure in a single plug-in unit. In an alert condition, the appropriate LED is illuminated and relay contacts associated with the condition toggle. Thus a load, such as the motor contactor, may be turned off, or a warning light might be turned on. Upon occurrence of the first alarm condition, the proper LED will illuminate a steady alarm indication. If the alarm is cleared automatically, the LED will then begin to flash, so that the operator will know that one or more alarm occurrences has been detected, and automatically cleared.

A low voltage supply provides power to the over-temperature and seal-failure monitoring circuits which control relay outputs based on instructions contained in a microprocessor. The microprocessor circuitry includes power-on-reset and oscillator start-up timers as well as an independent watchdog timer to ensure reliable operation. Both hardware and software filtering is implemented on the sensor inputs for reliable signal integrity in noisy environments. When properly installed, the GO Switch will function trouble-free at a distance of up to 500' from the pump. For distances longer than 100', sensor wires should be brought to a junction box as close as possible to the pump.

A Test push button simulates faults on both sensor channels, and a Reset push button clears the alert indicators after (1) The Test push button has been depressed, or (2) an actual alert has been corrected. The Reset push button performs a "hard" microprocessor reset.

To prevent dislodgement of the module it is designed to be mounted in an industrial type 12-pin socket with hold down clip.

Model	Channel A	Channel B
GS1050	100K resistance probe (seal-fail)	NC Klixon (thermal)
GS1250	NC seal chamber float switch (seal-fail)	NC Klixon (thermal)
GS1010	100K resistance probe (seal-fail)	100K resistance probe (seal-fail)
GS1212	NC seal chamber float switch (seal-fail)	NC seal chamber float switch (seal-fail)
GS5454	Thermistor DIN44082/01D463 (thermal)	Thermistor DIN44082/01D463 (thermal)
GS1052	100K resistance probe (seal-fail)	Pt100 RTD (thermal)
GS1252	NC seal chamber float switch (seal-fail)	Pt100 RTD (thermal)
GS5252	Pt100 RTD (thermal)	Pt100 RTD (thermal)
GS5452	Thermistor DIN44082/01D463 (thermal)	Pt100 RTD (thermal)

Common Features (All Models)

- » **Auto/Manual Reset:** Channels that monitor temperature can be set for Manual or Auto reset after experiencing an alarm condition. (Seal failures automatically reset when the alarm condition is removed although the LED continues to flash until reset.)
- » **Reset Push-button:** The reset button is used to reset all alarm conditions and clear flashing LED states.
- » **Test Push-button:** The test button simulates an alarm condition in both channels until released. NOTE: In many cases, this will cause the pump to stop because of the simulated high temperature condition.



1. Select sensors to be provided

Available Sensors	Type	Designation
100kΩ Probe	Moisture	10
NC Float Switch*	Moisture	12
NC Thermal Switch	Thermal	50
Pt100 RTD**	Thermal	52
Thermistor	Thermal	54

2. Select GO Switches to be provided, each GO Switch can monitor up to 2 sensors

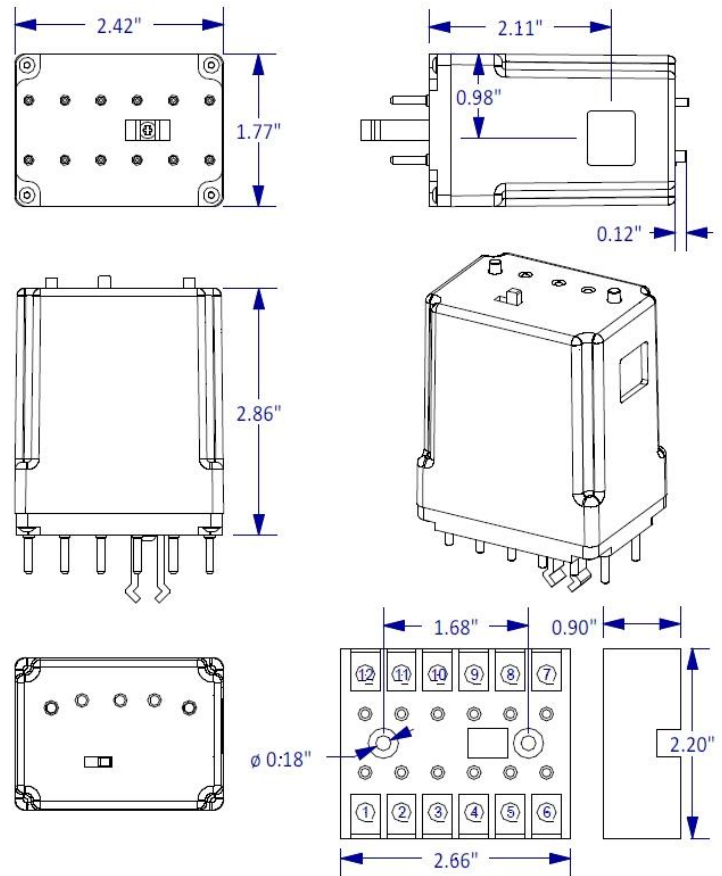
GO Switch Designation	Channel A	Channel B
GS1050	100kΩ Probe	NC Thermal Switch
GS1052	100kΩ Probe	Pt100 RTD**
GS1010	100kΩ Probe	100kΩ Probe
GS1250	NC Float Switch*	NC Thermal Switch

Note: Please consult factory for alternate configurations

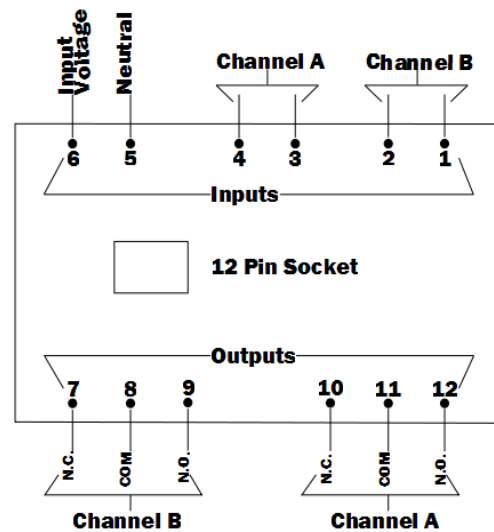
Technical Specifications

Measurement Principle	Current Sensing
Environment	-40 to 55 °C (-40 to 131 °F)
Supply Voltage	24-240 VAC, 50-60 Hz. / 24-48 VDC
Power Consumption	24 VAC - 50/60 Hz 1.7 VA
	120 VAC - 50/60 Hz 1.9 VA
	240 VAC - 50/60 Hz 2.4 VA
	24 VDC 1.4 Watts
Relay Contact Rating	NEMA B300 Pilot Duty, 1/6th HP, 3A @240VAC; Form C
Sensor Voltage	Varies with resistance. Not to exceed 10 VDC±2%
Contact States	N.O. contact closes on fault condition or on loss of supply power.
LED States (Both Channels)	GREEN: no fault
	RED: thermal fault
	AMBER: seal-fail fault
	FLASHING: fault automatically cleared

Relay/Socket Dimensions



Socket Electrical Wiring



On 1-wire seal-fail circuits attach Pin 4 to COMMON GROUND point with PUMP SAFETY GROUND WIRE



PUMP TECHNOLOGY

390 Birmingham Blvd. Ansonia, Connecticut 06401 203-736-8890 www.homapump.com PUB# BF1281-18



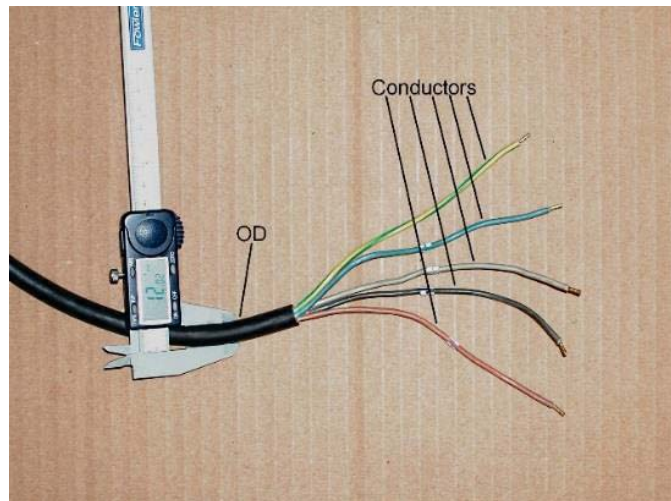
ABSTRACT

Power cables are frequently modified or shipped in non-standard configuration to fit customer needs. Therefore it is important to determine exactly which cable is used because once new cable is cut, it is non-refundable. Cable sizes are given as (# of conductors) G (size of conductors in sq.mm) for non-FM, and (# of conductors) x (size of conductors in sq.mm) for FM. E.g. 7G1.5, and 7x1.5. For convenience, “x” shall be used below instead of G.

YOU WILL NEED

-Measuring Device
(ruler, calipers, tape measure)

- Determine the color of the cable jacket. Yellow cables are for FM-approved explosion-proof pumps, and black cables are used for standard pumps.
- Measure the outside jacket diameter (OD) of the cable.
- Count the number of conductors to verify the selection made.
- Check the Power Cable ID Chart on the following page for the measured diameter under the “Jacket Dia.” section. This will give you the cable size which HOMA defines as the number of conductors followed by the area of the conductors.
- **REMEMBER:** before placing your order, measure the cable length to be replaced. The standard length is 10 meters, or about 30 feet. Please specify if more is needed.



WATER DAMAGE

When measuring a water-damaged cable, keep in mind that it may have swelled and expanded. If this is the case, the best way to determine the cable size is to measure the diameter of the sheath of one conductor, the “Conductor Sheath Diameter.” To convert millimeters to inches, multiply by .0394.

Water intrusion is identified by:

- Cable jacket is swollen
- Cable jacket has spongy feel
- Interior of cable jacket has a white, pasty texture.

Power Cable ID Chart

Black Cables (non-FM)

Cable Size	Part Number	Jacket Diameter (mm)	Jacket Diameter (in)	Conductor Sheath Diameter (in) approx.
4 x 1.5	1041541	11	0.43	.115 - .125
5 x 1.5	1041551	12	0.47	.115 - .125
7 x 1.5 (Old)	1042871	13	0.5	.115 - .125
7 x 1.5	1041871	16	0.62	.115 - .125
7 x 2.5	1041872	18	0.7	.145 - .152
7 x 4	1041874	22	0.86	.180 - .188
10 x 1.5	1041916	19	0.74	.115 - .125
10 x 2.5	1041926	21	0.82	.145 - .152
10 x 4	1041940	24	0.94	.180 - .188
5 x 6	1041561	19	0.74	.205 - .215
4 x 2.5	1041542	13	0.5	.145 - .152
4 x 4	1041745	16	0.6	.180 - .188
4 x 6	1041746	18	0.7	.205 - .215
4 x 10	1041411	23	0.9	.262 - .270
4 x 16	1041416	28	1.09	.308-.315
4 x 25	1041426	32	1.25	.330-.345

Yellow Cables (FM)

	Cable Size	Part Number	Jacket Diameter (mm)	Jacket Diameter (in)	Conductor Sheath Diameter (in) approx.
(1) Control	4 x 1.5	1046041	13	0.5	.115 - .125
	5 x 1.5	1046050	15	0.55	.115 - .125
(1) Power	7 x 1.5	1046071	17	0.66	.115 - .125
	7 x 2.5	1046072	19	0.74	.145 - .152
	10 x 1.5	1046115	19	0.74	.115 - .125
	5 x 6	1046056	22	0.85	.205 - .215
	3x6 + 3x1.5	1046036	21	0.82	.205 - .215 & .115 - .125
	4 x 2.5	1046042	17	0.67	.145 - .152
	4 x 4	1046044	18	0.71	.180 - .188
	4 x 6	1046046	20	0.77	.205 - .215
	4 x 10	1046047	23	0.9	.262 - .270
	4 x 16	1046048	29	1.14	.308-.315
	4 x 25	1046080	34	1.3	.330-.345
	4 x 35	1046035	35	1.35	.410-.418

Note: 3 x 6 yellow cable has three 6 sq.mm conductors and three 1.5 sq.mm conductors

Information presented here may vary slightly from catalog data.

Catalog data is for conduit sizing



U.S.F. Fabrication Inc. Product Specification

Type DT93 Steel Direct Traffic Access Door Trough Frame, AASHTO H-20-44 Loading, Double-Leaf

The direct traffic access door shall be Model DT-93 as manufactured by U.S.F. Fabrication, Inc., Hialeah, Florida or Ogden Utah, with the size being specified on the plans. The heavy-duty angle type floor access door is designed for interior and exterior applications where water tightness is not required. Model DT-93 product is designed for direct in street traffic locations that will receive AASHTO HL93 wheel loads and complies with ASTM C1802-14 load level 7 applications. The access door shall be manufactured and assembled in the United States. Manufacturer shall guarantee the entire access door against defects in materials and workmanship for a period of ten (5) years.

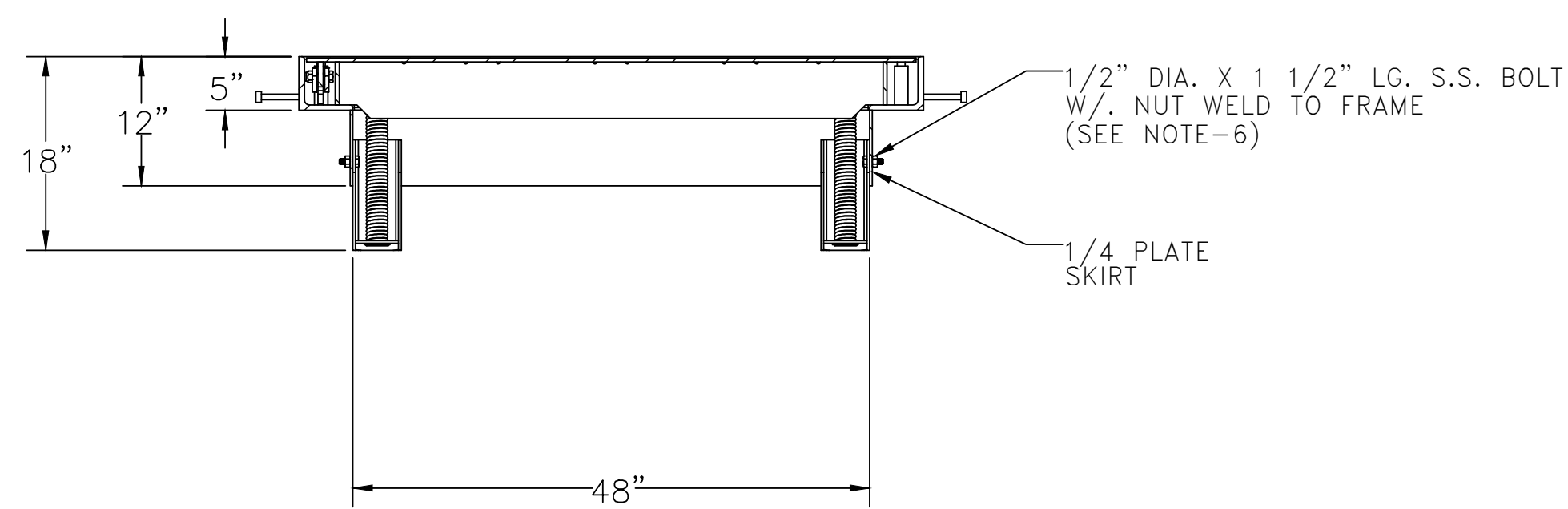
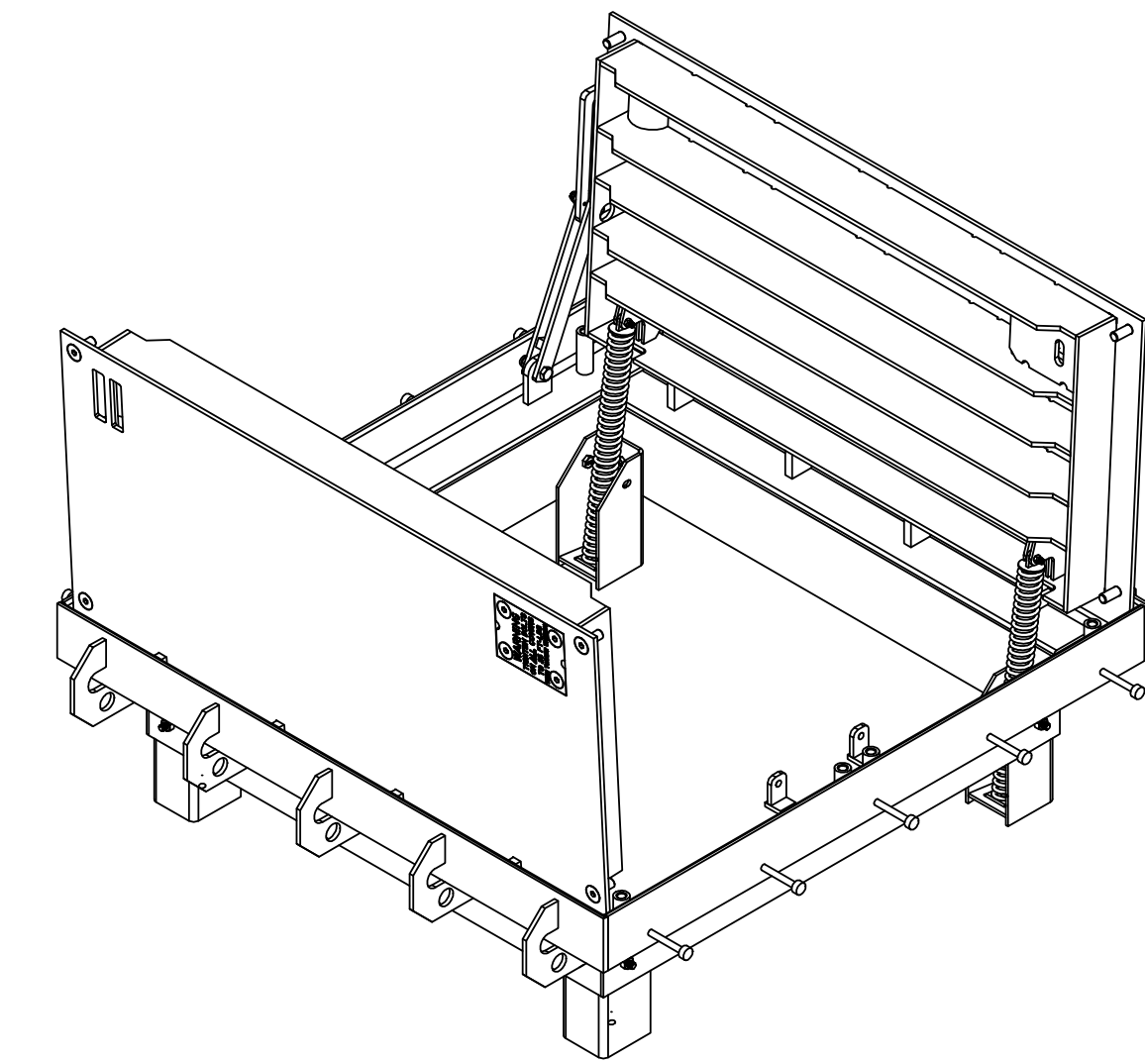
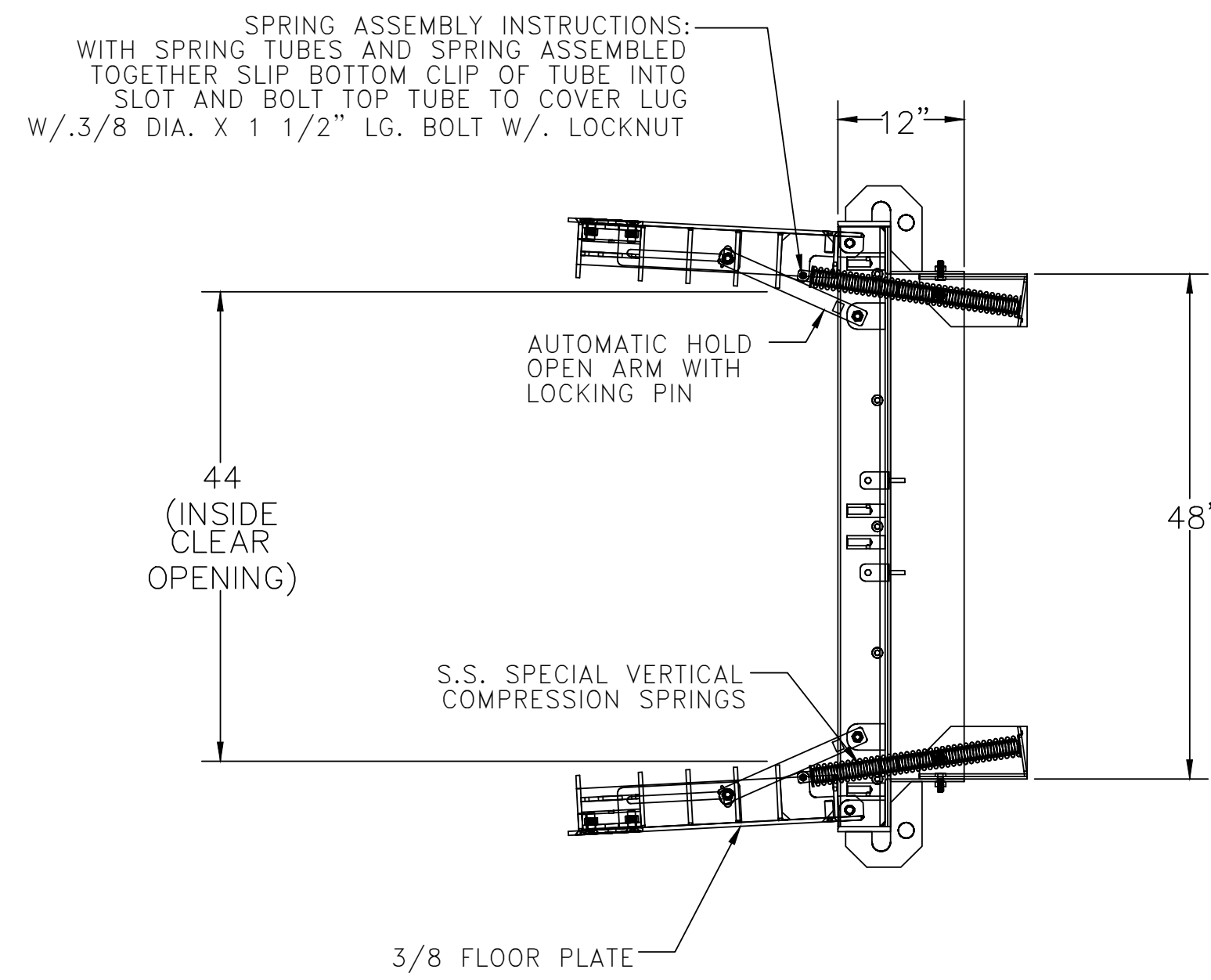
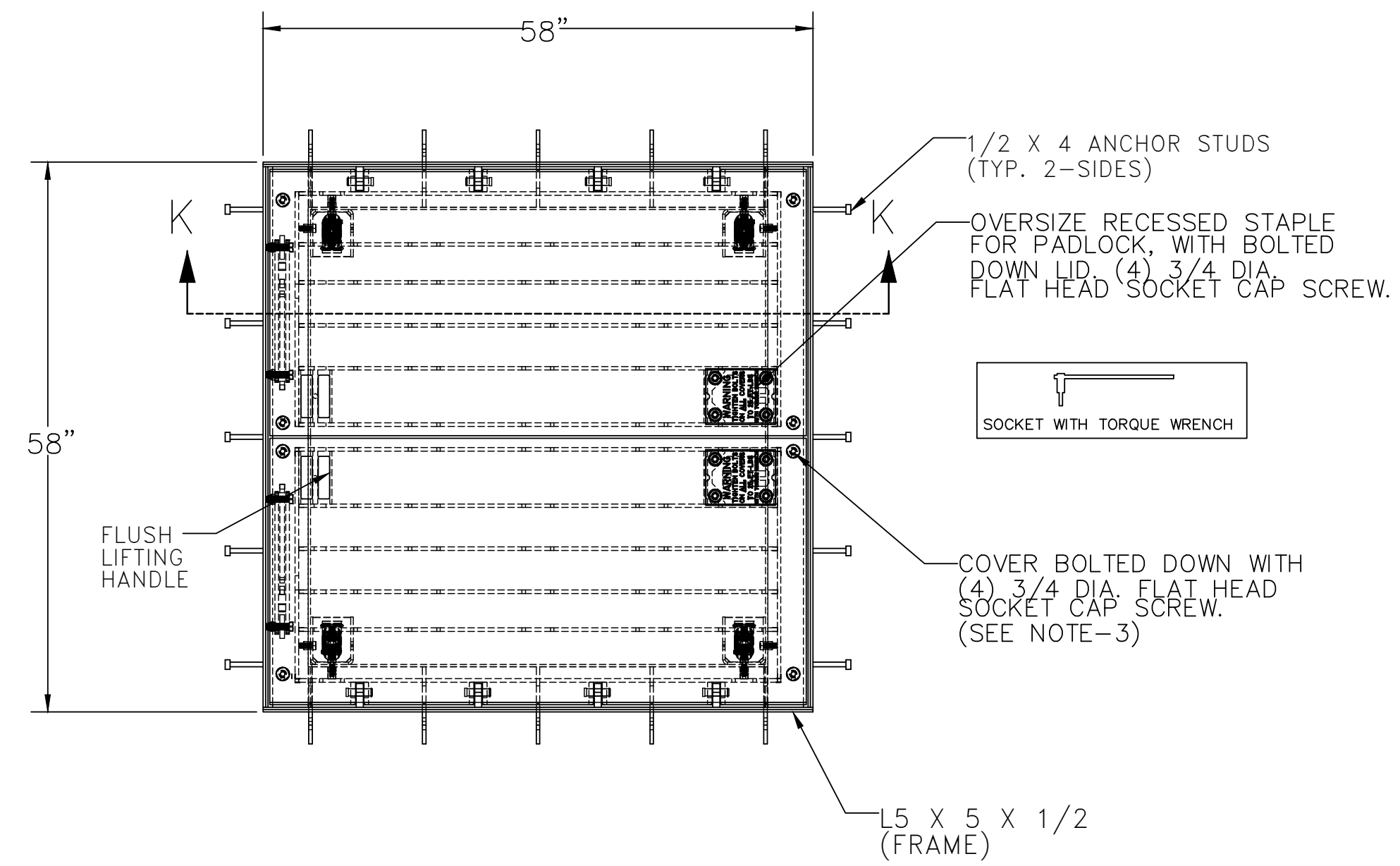
SPECIFICATIONS: The floor access door shall be Model DT-93 single leaf or double leaf as manufactured by U.S.F. Fabrication, Inc. with the size being specified on the plans. Covers shall be 3/8-inch thick steel diamond plate reinforced for an AASHTO HL93 wheel load (ASTM C1802-14 Load Level 7). Upon request, manufacturer shall provide structural calculations, stamped by a registered professional engineer, which certify that the door design meets the requirements of AASHTO HL93. The frame shall be 1/2-inch thick steel angle with anchors welded to frame for casting into concrete. In the closed position the covers shall be bolted to the frame with 316 stainless steel Allen-Head bolts to allow for HL93 direct traffic loading—an Allen-Head wrench will be provided with the door. The Allen-Head bolts must be securely fastened using Loctite Blue 242 (initial tube provided) whenever the covers are closed to insure safe and proper performance of the door. For security both covers shall have a recessed staple for a padlock. The floor access door shall be equipped with flush steel lifting handles that do not protrude above the covers, and hold open arms that automatically keep the covers in their upright open positions. A steel skirt shall be welded to the frame to provide a combined height equal to the depth of the concrete slab. The door shall have tamper resistant hinges with recessed stainless steel pins and lugs. The door shall have open, stainless steel, bolt-on, vertical compression springs to assist in opening the covers and reducing the force during closing. The floor access door shall have a hot-dipped galvanized finish. Installation shall be in accordance with the manufacturer's attached instructions. The entire frame, including the seat on which the reinforcing rests, shall be supported by concrete or other material designed to support the specified load. The door shall be manufactured and assembled in the United States. Manufacturer shall guarantee the door against defects in materials and workmanship for a period of five (5) years.

Optional Features

- **Frame Skirt:** Varies heights available to match concrete slab thickness.
- **SlipNot:** For coefficient of friction on door leaves if desired. Available in steel galvanized, 304 & 316 stainless steel.

Steel Material Availability

- Stainless steel (304 or 316)
- Galvanized Steel



SECTION K-K

- NOTES:
- 1-MATERIAL: STEEL A36, HOT DIP GALVANIZED AFTER FABRICATION
 - 2- LOADING: AASHTO HL-93 WHEEL LOADING DESIGNED FOR A MAXIMUM WHEEL LOAD OF 16000-LBS PLUS 33% IMPACT FACTOR..
 - 3- IT IS ESSENTIAL THAT ALL BOLTS ARE IN PLACE WHENEVER COVER IS EXPOSED TO TRAFFIC "LOCTITE 242 BLUE", MUST BE APPLIED TO ALL BOLTS AFTER EACH USE.
 - 4-SUITABLE FOR USE IN TRAFFIC PER ASTM C1802-14 LOAD LEVEL 7
 - 5- APPROXIMATE WEIGHT:1366.12 lbs.
 - 6- HATCHES WITH BOLT-ON SPRINGS: SPRING KIT CAN BE REMOVED & REASSEMBLED IN FIELD AFTER CASTING IN FRAME.

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INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M	COPYRIGHT © 2017 ALL RIGHTS RESERVED	U.S.F. FABRICATION INC. HIALEAH, FLORIDA	
BREAK ALL SHARP CORNERS & EDGES TO 0.01		HATCH DT93AHD 48X48 A2WG2K12n7 GENERAL ARRANGEMENT	
TOLERANCES UNLESS OTHERWISE SPECIFIED: INCHES = +/- 1/16 1/16 = +/- 1/32 1/32 = +/- 1/64	DRAWN BY: SB08	SCALE: 1:14	SHEET 1 OF 4
	APPROVED BY: SB08	DATE: 08/23/18	REV: 0
	DWG. NO: 1000107804	SHEET SIZE: D	REV: 0



City of Livingston
Walnut L/S Retrofit
Panel Spec

2238 Walnut Ave
Livingston, CA 95334



Dual Adjustable Thermostats

Applications

This unit houses two separate thermostats, allowing independent control of heating, cooling or other equipment.

above the setpoint. N.O. thermostats are used for regulating cooling devices (heat exchangers, filter fans, vortex coolers, etc) or for switching signal devices when the temperature rises above the setpoint temperature.



011720-01



011760-00

Normally Closed (N.C.)

Normally Closed (N.C.) thermostats have a red adjustment dial and contacts that open when the air temperature rises above the setpoint. N.C. thermostats are used for regulating heaters or for switching signal devices when the temperature falls below the setpoint temperature.

Normally Open (N.O.)

Normally Open (N.O.) thermostats have a blue adjustment dial and contacts that close when the air temperature rises

Features

- N.C. and N.O. in one unit
- Compact design
- Separate adjustable temperatures
- Color coded temperature dials
- DIN rail mounting



Dual Adjustable Thermostats Specifications	
Switching Difference	12.6°F [7K]
Switching Tolerance	±7°F [± 4K]
Sensor Element	Thermostatic bimetal
Contact Type	Snap-action contact
Contact Resistance	<10 mΩ
Service Life	>100,000 cycles
Max. Switching Capacity	NC: 10A resistive / 2A inductive @ 250VAC NO: 5A resistive / 2A inductive @ 250VAC 15 resistive / 2A inductive @ 120VAC DC 30W (24-72 VDC)
Max. Inrush Current	AC 16A for 10 sec.
Minimum Load	20mA (all voltages)
Connection	4-pole terminal, 0.5 Nm max. clamping torque; 14 AWG [2.5 mm ²] max. solid wire 16 AWG [1.5 mm ²] max. stranded wire with wire end ferrule
Housing	Plastic, UL 94V-0, light gray
Mounting	Clip for 35mm DIN rail, EN 60715
Mounting Position	Vertical
Operating / Storage Temperature	-49 to 176°F [-45 to 80°C]
Weight	0.2 lb [90 g]
Protection Type	IP20
Approvals	CE, CSA, VDE, EAC, UL Recognized File No. E164102, RoHS 2 compliant

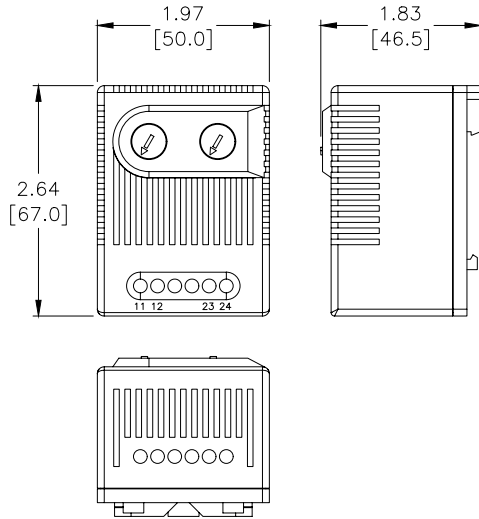
Dual Adjustable Thermostats					
Part Number	Left Contact	Setting Range	Right Contact	Setting Range	
011720-00	N.C.	0 to 60°C	N.O.	0 to 60°C	
011720-01		32 to 140°F		32 to 140°F	
011750-00		-10 to 50°C		20 to 80°C	
011750-01		14 to 122°F		68 to 176°F	
011760-00	N.O.	0 to 60°C		0 to 60°C	
011760-01		32 to 140°F		32 to 140°F	



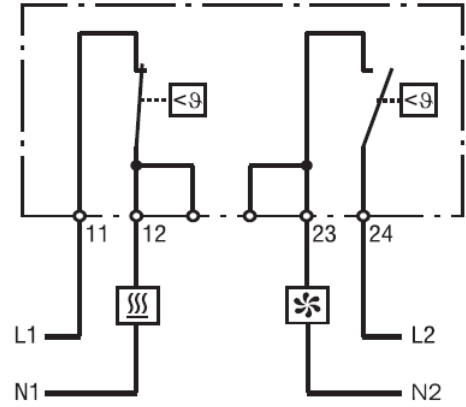
Dual Adjustable Thermostats

Dimensions

Inches [mm]



Wiring Diagram



Anti-Condensation Heater



Models: AHC-15W, AHC-30W, AHC-35W, AHC-50W



The "AHC" touch safe series anti-condensation space heater is designed to keep the temperature inside of an enclosure several degrees above the external ambient temperature and above the dew point. Keep your electrical equipment on line by preventing corrosion due to condensation. Contact our engineering department for specifications for the proper AHC model used in other types of enclosures (Aluminum, Fiberglass, etc.).

Features

- There are no moving parts
- No thermostat to set or malfunction
- No adjustments are needed for ambient temperature changes
- Easy to install (connect two wires and insert two mounting screws)
- Compact size
- UL Recognized (E121431)
- Due to heat sink design, the max external surface temperature are "Touch Safe"

Technical Specifications

- Operating temperatures: -30°C to 60°C
- Watts: 15, 30, 35 or 50 per unit, depending on model
- Extruded black anodized aluminum
- Life expectancy-20 years
- Rated 120 VAC, output will vary with
- AC or DC voltage
- When possible, two smaller units are more efficient than one larger unit

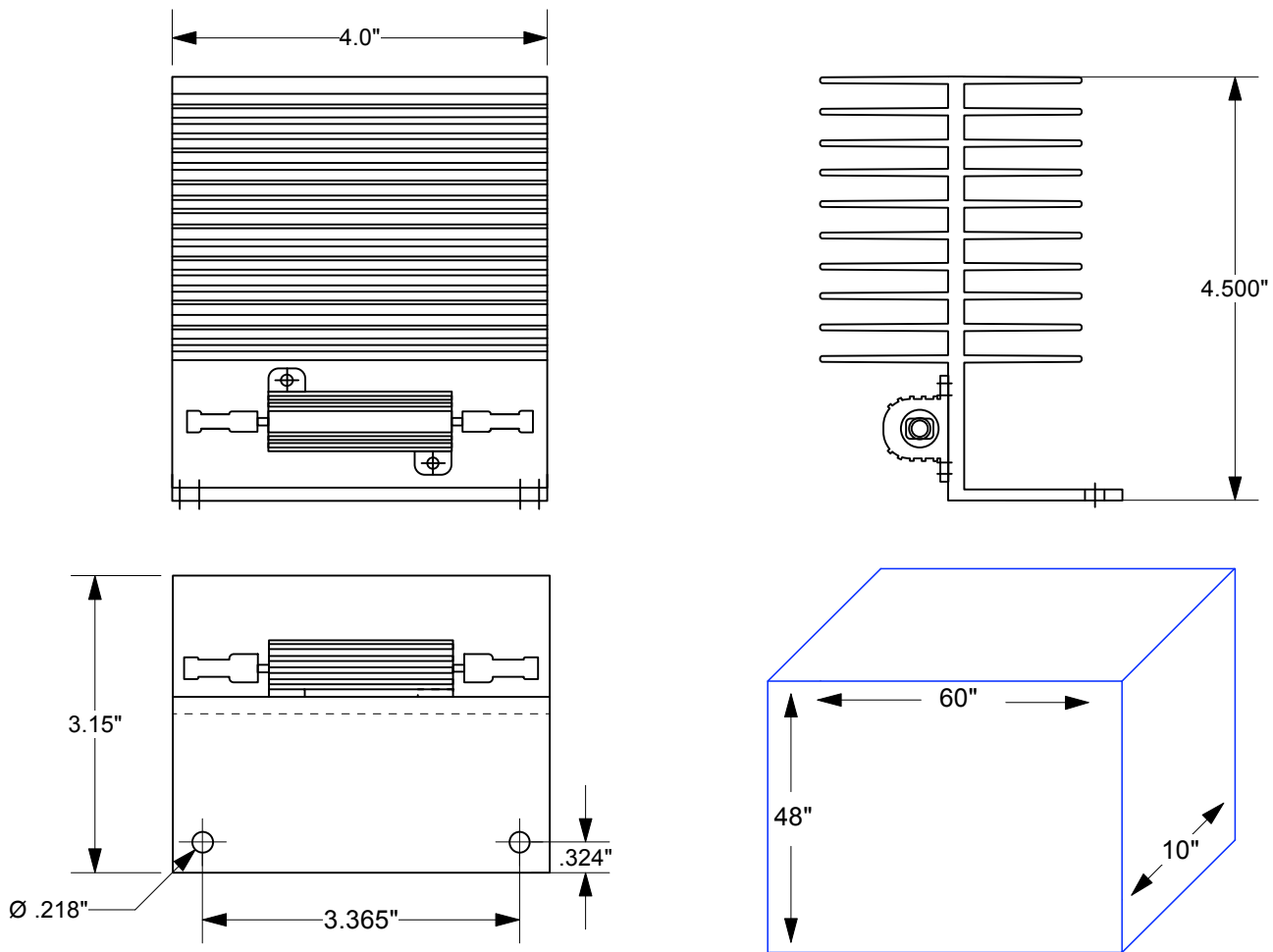


Fig. 1

MODEL SELECTION

0.7 watt of power per square foot is necessary to generate enough energy to raise the temperature of an enclosure 1°F in a metallic enclosure. To prevent condensation, the enclosure should be 2° to 3°F above the ambient air temperature. To determine total watts needed, it is first necessary to determine the total surface area of the enclosure, multiply by the amount of power needed to raise the temperature 1°F (0.7W/ft²) and then multiply by a factor equal to the number of degrees you wish to be above ambient. You can then use this total wattage to determine which model(s) you will need to obtain sufficient heating power. See example below.

Example: 60" x 48" x 10" metal enclosure (see Fig. 1)

To Determine Square Feet

Step 1:	$60 \times 48 = 2880 \text{ in.}^2$	Front and back of box	=	$2880 \times 2 = 5760$
	$60 \times 10 = 600 \text{ in.}^2$	Top and bottom of box	=	$600 \times 2 = 1200$
	$48 \times 10 = 480 \text{ in.}^2$	Left & right sides of box	=	$480 \times 2 = 960$
				<u>7920 in. = Total area</u>

Step 2: Convert square inches to square feet: $7920 / 144 = \mathbf{55 \text{ Square Feet}}$

Step 3: Multiply total square feet by 0.7 $55 \times 0.7 = 38.5\text{W}$ to raise temperature 1°F.

Step 4: Multiply by degree increase desired. $38.5\text{W} \times 2 \text{ degrees} = 77\text{W}$; $\times 3 \text{ degrees} = 115.5\text{W}$
 So, 77 to 116 watts would be needed. (80 to 120W is a good ball park estimate.)

Recommendation: The median power of this temperature range is 96 watts, so use two AHC 50W units.

Note: For non-metallic enclosures derate by around 50%. For above example, 40 - 60 watts is fine.

Class CC and supplemental

Modular ferrule fuse blocks



Product description:

BCM (Class CC) and BMM (supplemental 13/32 x 1-1/2" / 10x38) modular style fuse blocks with optional covers.

These new Bussmann® series fuse blocks contain multiple features to add versatility, reduce labor and enhance safety of any panel design.

Features and benefits:

- Available in 1-, 2- and 3-pole configurations to meet stocking requirements.
- Blocks are fully modular with a snap-together design that provides tool-less assembly of multiple pole blocks at point-of-use to reduce inventory and save assembly time and labor.
- DIN-Rail and panel mount versatility allows one product to be used for multiple applications, lowering inventory cost.
- Compact footprint consumes minimal panel space.
- Optional see-through cover enhances safety with IP20 finger-safe protection, lockout/tagout capability and open circuit indication.
- Easy circuit identification with available universal marker labels for fuse block covers.
- Tin-plated bimetallic copper fuse clips deliver superior fatigue resistance compared to traditional spring brass.
- Terminal options to meet application needs including 1/4" spade quick connect terminals for faster panel assembly.
- Patented rejection feature on Class CC fuse blocks reduces temperature rise by up to 30%.

Specifications

Ratings:

- Volts – 600V
- Amps – up to 30A
- Withstand – 200kA RMS Sym.

Agency information:

Class CC BCM

- UL® Listed E14853 - IZLT
- CSA® Certified 47235-6225-01
- CE
- RoHS Compliant
- Conflict mineral free
- REACH declaration available upon request

13/32" x 1-1/2" (Midget) BMM

- UL Recognized E14853 - IZLT2
- CSA Certified 47235-6225-01
- CE
- RoHS compliant
- Conflict mineral free
- REACH declaration available upon request

Covers:

- Covers are included in the overall UL Listing/Recognition and CSA Certification
- IP20 finger-safe
- RoHS compliant
- REACH declaration available upon request

Poles:

- 1-, 2-, 3-pole units factory assembled
- Single-pole units snap together to create desired number of poles

Flammability ratings:

- Blocks – UL 94V0, self-extinguishing
- Covers – UL 94HB, self-extinguishing

Operating and storage temperature range:

- Blocks – -40°C to +120°C
- Non indicating covers – -40°C to +120°C
- Indicating covers – -20°C to +90°C*

* Indication requires minimum 90Vac/dc and closed circuit to illuminate.

Materials:

- Base – Thermoplastic
- Terminals – Tin-plated bimetallic copper
- Covers – Thermoplastic
- Screws and pressure plates – Zinc-plated steel

Cover Part Numbers:

- For blocks with quick connect terminals – CVR(I)-CCM-QC
- All other terminal options – CVR(I)-CCM

Marker labels:

- Use Bussmann series part number TM26CB

Recommended Bussmann series fuses:

Class CC

- Ultimate protection time-delay Low-Peak™ LP-CC, data sheet No. 1023
- Advanced protection time-delay Limitron™ FNO-R, data sheet No. 1014
- Advanced protection fast-acting Limitron KTK-R, data sheet No. 1015

13/32" x 1-1/2" (midget)

- Fast-acting 250Vac BAF, data sheet No. 2011
- Fast-acting 600Vac KTK, data sheet No. 1011
- Fast-acting 600Vac/dc KLM, data sheet No. 2020
- Time-delay 250Vac FNM, data sheet No. 2028
- Time-delay 500Vac FNO, data sheet No. 1012

10x38mm (IEC)

- Class aM and gG/gL IEC industrial fuses, data sheet No. 720115

Recommended Bussmann series DIN-Rail end stops:

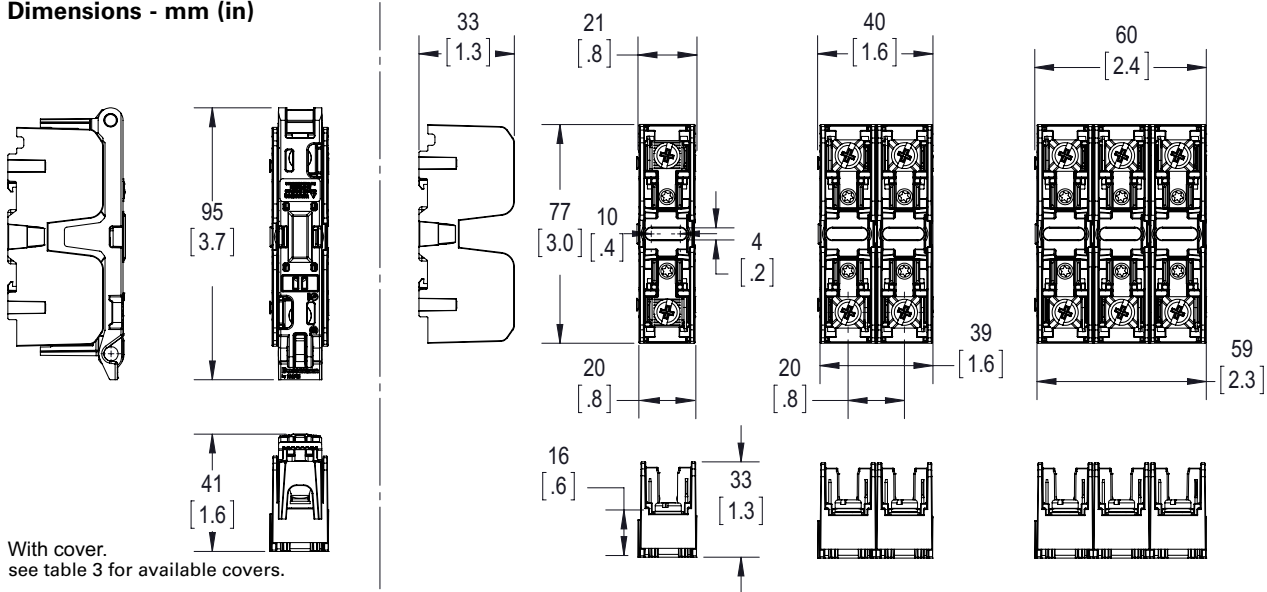
- Part No. BRKT-ND
- Part No. BRKT-NDSCREW2

Table 1. Catalog numbers

#10-32 Phil-slot screw	Terminal type					
	Screw with quick connect*	Pressure plate	Pressure plate with quick connect*	Box lug	Poles	Fuse class
BCM603-1S	BCM603-1SQ	BCM603-1P	BCM603-1PQ	BCM603-1C	1	CC
BCM603-2S	BCM603-2SQ	BCM603-2P	BCM603-2PQ	BCM603-2C	2	CC
BCM603-3S	BCM603-3SQ	BCM603-3P	BCM603-3PQ	BCM603-3C	3	CC
—	BMM603-1SQ	—	BMM603-1PQ	BMM603-1C	1	10x38 (13/32"x1-1/2")
—	BMM603-2SQ	—	BMM603-2PQ	BMM603-2C	2	10x38 (13/32"x1-1/2")
—	BMM603-3SQ	—	BMM603-3PQ	BMM603-3C	3	10x38 (13/32"x1-1/2")
—	BCCMM603-3SQ	—	BCCMM603-3PQ	—	3	3-Pole control circuit transformer block 2-pole CC with 1-pole 10x38 (13/32"x1-1/2")

* ¼" Quick Connect terminal maximum ampacity dependent on female spade connector and wire ratings.

Dimensions - mm (in)



With cover.
see table 3 for available covers.

Table 2. Terminal specifications

Terminal type	75/90°C AWG type/range	Torque	
		AWG	lb-in (N•m)
Box lug (C)	Cu 2-14 Al 2-8	Cu 2-3	50 (5.6)
		Cu 4-6	45 (5.1)
		Cu 8-14	35 (4.0)
		Al 2-6	50 (5.6)
		Al 8	40 (4.5)
Screw (S)			
Screw/quick connect* (SQ)			
Pressure plate (P)	Cu 10-18	10-18	20 (2.3)
Pressure plate/quick connect* (PQ)			

* ¼" Quick Connect terminal maximum ampacity dependent on female spade connector and wire ratings.

Table 3. Recommended covers*

Terminal type	Cover part numbers	
	Indicating	Non indicating
Box lug (C)	CVRI-CCM	CVR-CCM
Screw (S)	CVRI-CCM	CVR-CCM
Screw/quick connect (SQ)	CVRI-CCM-QC	CVR-CCM-QC
Pressure plate (P)	CVRI-CCM	CVR-CCM
Pressure plate/quick connect (PQ)	CVRI-CCM-QC	CVR-CCM-QC

* For use with 4AWG max conductors.

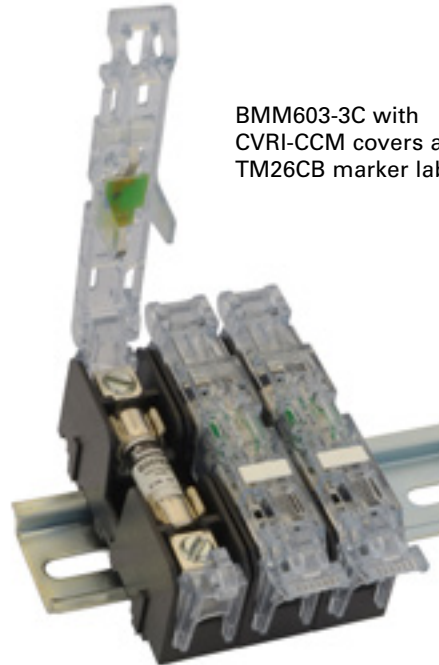
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Printed in USA
Publication No. 10241 – BUS-SB14605
December 2015

BMM603-3C with
CVRI-CCM covers and
TM26CB marker labels



Fuse Holders and Blocks



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Fuse Holders & Blocks

RED indicates NEW information

Optima® Fuse Holder Module and Disconnect Switch

OPM-1038 With Disconnect Switch



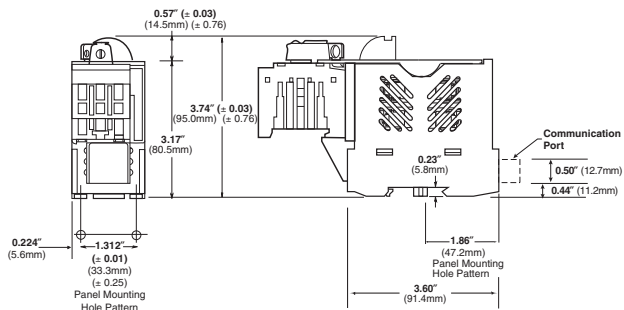
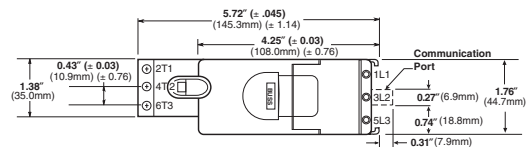
Features/Benefits

- Padlockable with finger-safe terminals for safety. Qualified as IP20 per IEC 60529.
- Cam-action handle for easy module removal, offered with Class CC rejection clips or European 10 x 38mm clips to meet global needs
- Wire ready with 35mm DIN rail or screw panel mounting (#8 screw, 1 1/4" long) saves installation time
- Fuse indication lights with option for remote fuse status available. See Data Sheet for additional wiring details.

Typical Applications

- Industrial Control
- Process Control Systems
- Automated Warehouse Systems
- Individual Control Circuits

Dimensions



Catalog Number Build-A-Code

Series	Fuse Type	Communication
OPM-1038	Blank = 10 x 38mm or 1/2" x 1-1/2"	C = Communication Feature
	R = Class CC	

Specifications

Description: 3-pole load break modular fuse holder and disconnect switch for 1/2 x 1 1/2" (10 x 38mm) fuses.

Dimensions: See Dimensions illustration.

Poles: 3

Agency Information: CE, UL (see table), CSA Certified, C22.2 No. 39, Class 6225-01, File 47235, IEC (see table).

Flammability Rating: UL 94V0.

Horsepower Rating of Switch

3-Phase	Volts	240	480	600
	HP	5	10	15

Recommended Fuse Types

Class CC	Midget (Non-Rejection)	European
LP-CC	KTK	C10M
KTK-R	FNM	C10G
FNQ-R	FNQ	

Physical Characteristics

- Small size matches 45mm IEC starter width
- Accepts #8-18 AWG stranded, #10-18 AWG solid wire
- 3-pole
- Handle and shaft required for through the door operation

Catalog Numbers

Catalog Numbers	Electrical Rating	SCCR** Rating	Clips	Remote Open Fuse Indication	UL Information Std.	File	Guide	IEC	CE
OPM-1038SW	30A, 600Vac UL/CSA 32A, 660Vac IEC	*	Non-rejection, 10x38mm or 1/2" x 1 1/2"	No	Recognized UL 508	E161278	NLRV2	IEC 60947-3	Yes
OPM-1038RSW	30A, 600Vac UL/CSA	100kA	Rejection, Class CC	No	Listed UL 508	E161278	NLRV		Yes
OPM-1038SWC	30A, 600Vac UL/CSA 32A, 660Vac IEC	*	Non-rejection, 10x38mm or 1/2" x 1 1/2"	Yes	Recognized UL 508	E161278	NLRV2	IEC 60947-3	No
OPM-1038RSWC	30A, 600Vac UL/CSA	100kA	Rejection, Class CC	Yes	Listed UL 508	E161278	NLRV		No

*Rating varies depending on fuse used in module; 100kA maximum

**Short-Circuit Current Rating

Data Sheet: 1103

Optima® Fuse Holder Module

OPM-1038



Features/Benefits

- Padlockable with finger-safe terminals for safety. Qualified as IP20 per IEC 529.
- Cam-action handle for easy module removal.
- Offered with Class CC rejection clips or European 10 x 38mm clips to meet global needs
- Wire ready with 35mm DIN rail or screw panel mounting (#8 screw, 1 1/4" long) saves installation time
- Fuse indication lights with option for remote fuse status indication. See Data Sheet for additional wiring details.

Catalog Number Build-A-Code

Series	Fuse Type	Communication
<div style="display: flex; justify-content: space-around; border: 1px solid black; padding: 2px;"> OPM-1038 </div>	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> <p>Blank = 10 x 38mm or 1 3/32" x 1 1/2"</p> <p>R = Class CC</p>	<div style="border: 1px solid black; width: 20px; height: 20px; margin: 0 auto;"></div> <p>C = Communication Feature</p>

Specifications

Description: 3-pole modular fuse holder for 1 3/32" x 1 1/2" (10 x 38mm) fuses.

Dimensions: See Dimensions illustration.

Poles: 3

Agency Information: CE, UL (see table), CSA Certified, C22.2 No. 4248, Class 6225-01, File 47235, IEC (see table).

Flammability Rating: UL 94V0.

Recommended Fuse Types

Class CC	Midget (Non-Rejection)	European
LP-CC	KTK	C10M
KTK-R	FNM	C10G
FNQ-R	FNQ	

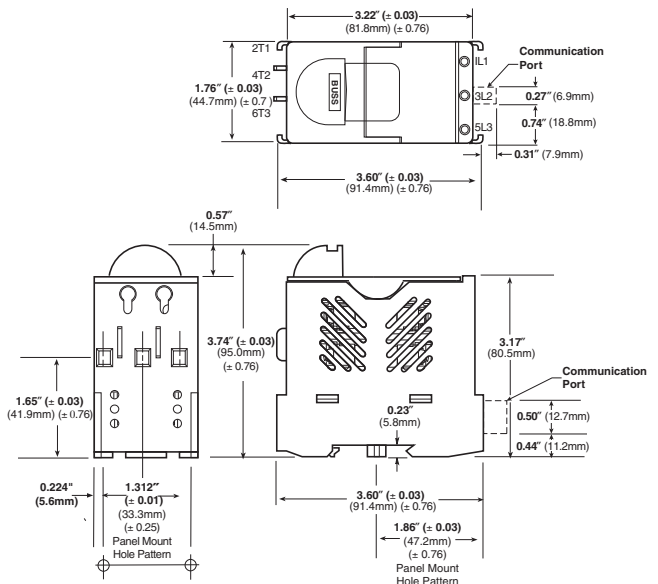
Physical Characteristics

- Small size matches 45mm IEC starter width
- Accepts #8-18 AWG stranded, #10-18 AWG solid wire
- 3-pole

Typical Applications

- Industrial Control
- Process Control Systems
- Automated Warehouse Systems
- Individual Control Circuits

Dimensions



Fuse Holders & Blocks

Catalog Numbers

Catalog Numbers	Electrical Rating	SCCR** Rating	Clips	Remote Open Fuse Indication	UL Information Std.	File	Guide	IEC	CE
OPM-1038	30A, 600Vac/dc UL/CSA (Max 3 Watts per fuse) 32A, 660V IEC	*	Non-rejection, 10 x 38mm or 1 3/32" x 1 1/2"	No	Recognized UL 4248	E14853	IZLT2	IEC 60269-2-1	Yes
OPM-1038R	30A, 600Vac/dc UL/CSA	200kA	Rejection, Class CC	No	Listed UL 4248	E14853	IZLT		Yes
OPM-1038C	30A, 600Vac/dc UL/CSA (Max 3 Watts per fuse) 32A, 660V IEC	*	Non-rejection, 10 x 38mm or 1 3/32" x 1 1/2"	Yes	Recognized UL 4248	E14853	IZLT2	IEC 60269-2-1	No
OPM-1038RC	30A, 600Vac/dc UL/CSA	200kA	Rejection, Class CC	Yes	Listed UL 4248	E14853	IZLT		No

*Rating varies depending on fuse used in module; 200kA maximum.

**Short-Circuit Current Rating

Data Sheet: 1102

Optima® Three-pole Overcurrent Protection Module

OPM-NG-



Specifications

Description:

OPM-NG-SC3: 3-pole Class CC fuse holder for use with Class CC fuses (Cooper Bussmann Types LP-CC, FNQ-R, KTK-R).

OPM-NG-SM3: 3-pole fuse holder for use with 1½" x 1½" and 10.3 x 38mm fuses (Cooper Bussmann Types: 1½" x 1½"; KTK, FNQ, KLM, 10 x 38mm; FWA, FWC, C10G_ , C10M_).

Ratings:

- Volts: — OPM-NG-SC3: 600Vac (or less)
 — OPM-NG-SM3: 600Vac (or less) UL and CSA 30A
 — OPM-NG-SM3: 690Vac (or less) IEC 32A

Amps: — OPM-NG-SC3: 0-30A

— OPM-NG-SM3: 0-30A

SCCR: — OPM-NG-SC3: 200kA

— OPM-NG-SM3: Same as fuse IR, 200kA maximum

Agency Information: CE, UL; OPM-NG-SC3 UL Listed, UL 4248, File E14853, Guide IZLT. OPM-NG-SM3, UL Recognized, UL 4248, File E14853, Guide IZLT2. CSA Certified, C22.2 No. 4248, Class 6225-01, File 47235. IEC 60947-3 Utilization Category AC20B.

Handling & Storage Temperature: -10° to 65°C.

Features/Benefits

- 45mm width matches IEC starters
- 35mm DIN rail or panel mounting feature. Maximum screw size #8 (M4)
- Pressure plate terminations with dual-wire rated terminals (see Wire Table) and optional auxiliary contacts
- Integrated collapsible handle and fuse carrier cannot be removed from holder base
- Padlockable and IP20 finger-safe to IEC60529

Typical Applications

- Mass Produced Control Systems
- Process Control Systems
- Automated Warehouse Systems
- Individual Control Circuits

Fuse Holder Wire Range:

- 75°Cu Only
- #18-12 Single/Dual, torque 15lb-in
- #10-8 Single/Dual, torque 20lb-in
- Dual wire with same gauge and type

		75° Cu Only		C
		AWG	[mm ²]	(N·m)/lb-in
Solid		#18-8 x 1	1-6 x 1	18-12 Single/Dual 15lb-in (1.7 N·m)
		#18-8 x 2	1-6 x 2	
Stranded		#18-8 x 1	1-6 x 1	10-8 Single/Dual
		#18-8 x 2	1-6 x 2	
Ferrules			1-4 x 1	20lb-in (2.5 N·m)
			1-4 x 2	

Input Power Terminal Wire Range:

Wiring	Conductor	Wire Range
Solid	(1) #14 to #2 (1.5 to 25mm ²) or conductor	
	(2) #14 to #6 (1.5 to 10mm ²) conductors	
Stranded	(1) #14 to #2 (1.5 to 25mm ²) conductor or	
	(2) #12 to #6 (2.5 to 10mm ²) conductors	
Tightening Torque:	Connector	20lb-in (2.2 N·m)
	Screw Clamp	15lb-in (1.7 N·m)

Materials:

- **Housing:** Thermoplastic - ULV2
- **Clip:** Tin-plated copper alloy
- **Contact lubricant:** Fluoroether grease
- **Saddle screw:** Plated steel
- **DIN rail springs:** Stainless steel

Optional Accessories:

Comb Bar (Max current rating = 63A)

OPMNGSA245	2 circuit, 45mm between same phases
OPMNGSA254	2 circuit, 54mm between same phases
OPMNGSA272	2 circuit, 72mm between same phases
OPMNGSA345	3 circuit, 45mm between same phases
OPMNGSA354	3 circuit, 54mm between same phases
OPMNGSA445	4 circuit, 45mm between same phases
OPMNGSA454	4 circuit, 54mm between same phases
OPMNGSA472	4 circuit, 72mm between same phases
OPMNGSA554	5 circuit, 54mm between same phases

Input Terminal Block (Max current rating = 63A)

OPMNGSA005	Input/Feed Through Power Terminal, Supports feed through to another system, DIN rail mount only
OPMNGSA009	Input Power Terminal

Cover

OPMNGSA010	Protective Cover for unused terminals on comb bar
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Auxiliary Contacts

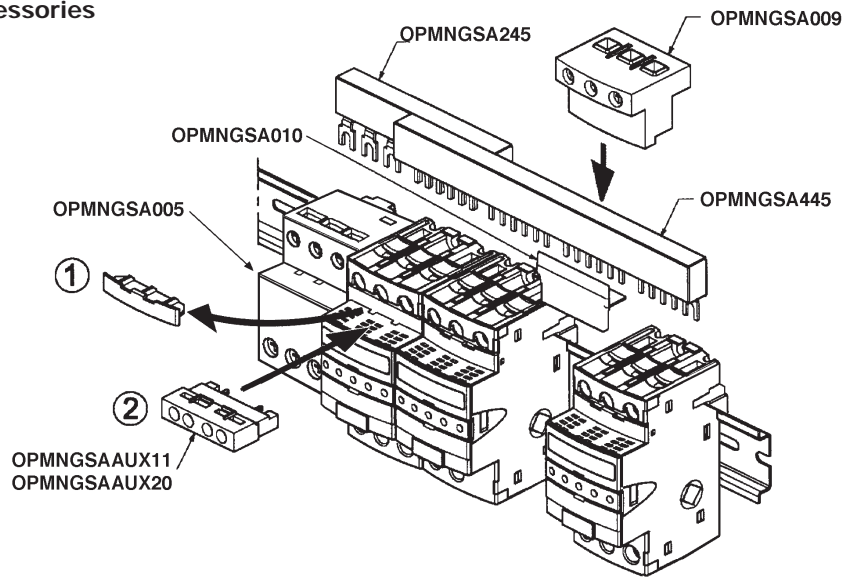
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OPMNGSAAUX20	NO/NO

Marking Tabs

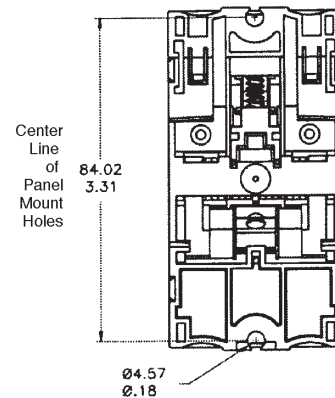
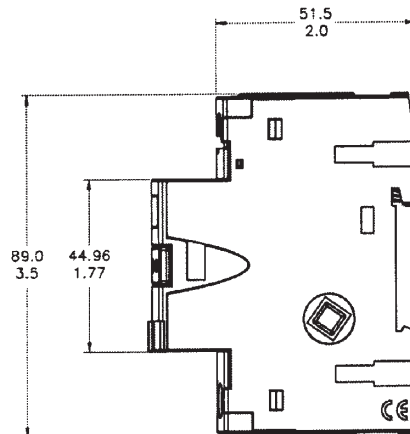
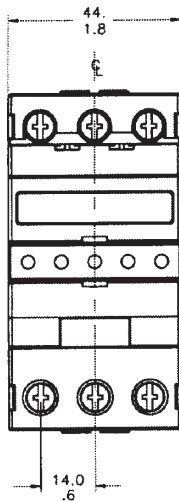
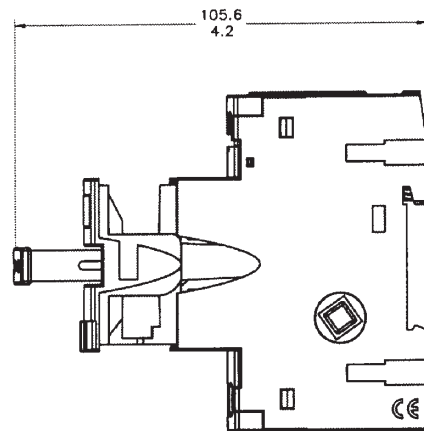
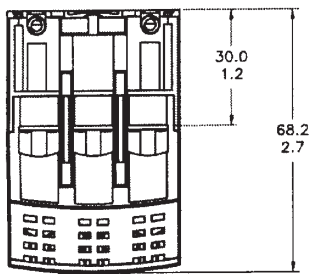
OPMNGSA101	Marking Tab - Mounts to front of carrier, quantity 100
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Optima® Three-pole Overcurrent Protection Module

Optional Accessories



Dimensions Millimeters (± 0.38), Inches ($\pm .015$)



Fuse Holders & Blocks

Class J Modular Fuse Holders

CH _ _ J _

Specifications

Description: IP20 finger-safe, 1- to 3-pole Class J fuse holder with DIN rail or panel mounting.

Ratings:

Volts: — 600Vac/dc (or less)

Amps: — 30A (30A version)

— 60A (60A version)

Withstand Rating SCCR: — 200kA

Wire Range: Cu solid and stranded conductors with single (1-18AWG) and dual (3-18AWG) wire ratings. See Catalog Numbers table for details.

Torque Rating: 10-18AWG 24 lb-in.
1-8AWG 35 lb-in.

Poles: 1-, 2- or 3-Pole.

Storage & Operating Temperature Range*:

-20°C to 75°C.

Agency Information: CE, UL 4248/CSA 22.2 No. 4248.

Flammability Rating: UL 94V0.

Catalog Numbers

See Catalog Numbers table below.

Features and Benefits

- Choice of local fuse indication; *easyID*™ viewing window (for seeing indicator on LPJ-SPI indicating fuse) or neon lamp.
- Versatile 1-, 2- and 3-pole versions for 0-30A and 35-60A fuses with dual wire rated connections simplify wiring.
- Improved electrical safety with IP20 finger-safe construction with lock-out/tag-out feature. 3-phase fuse extraction assures all phases are opened for service work.
- Flexible panel/35mm DIN rail mounting options

*For fuse selection on applications above or below 25°C, consult derating charts in Cooper Bussmann publication "Selecting Protective Devices" (SPD).



30 Amp Version

60 Amp Version

Dimensions (mm):

Fuse Size	Poles	W	D	H
0-30A	1	32	70	115
	2	64	70	115
	3	96	70	115
35-60A	1	40	83	125
	2	80	83	125
	3	120	83	125

Catalog Numbers

Catalog Numbers	Amp Rating	Volts (AC/DC)	# of Poles	IP20 Finger-Safe	Mounting	Padlockable	Local Indication	AWG Single Wire Range
CH30J1	30	600	1	Yes	35mm DIN/ Panel	Yes	<i>easyID</i> **	1-18
CH30J1I	30	600	1	Yes	35mm DIN/ Panel	Yes	Neon Lamp***	1-18
CH30J2	30	600	2	Yes	35mm DIN/ Panel	Yes	<i>easyID</i> **	1-18
CH30J2I	30	600	2	Yes	35mm DIN/ Panel	Yes	Neon Lamp***	1-18
CH30J3	30	600	3	Yes	35mm DIN/ Panel	Yes	<i>easyID</i> **	1-18
CH30J3I	30	600	3	Yes	35mm DIN/ Panel	Yes	Neon Lamp**	1-18
CH60J1	60	600	1	Yes	35mm DIN/ Panel	Yes	<i>easyID</i> **	1-18
CH60J1I	60	600	1	Yes	35mm DIN/ Panel	Yes	Neon Lamp***	1-18
CH60J2	60	600	2	Yes	35mm DIN/ Panel	Yes	<i>easyID</i> **	1-18
CH60J2I	60	600	2	Yes	35mm DIN/ Panel	Yes	Neon Lamp***	1-18
CH60J3	60	600	3	Yes	35mm DIN/ Panel	Yes	<i>easyID</i> **	1-18
CH60J3I	60	600	3	Yes	35mm DIN/ Panel	Yes	Neon Lamp***	1-18

** *easyID*™ viewing window, requires use of Cooper Bussmann LPJ_SPI permanent indication fuses.

*** Indication non-fuse dependent, minimum voltage 90Vac/115Vdc.

Data Sheet: 2144

Class J (Finger-safe) Fuse Holders

Safety J™ — JT(N)60030 & JT(N)60060

Specifications

Description: Indicating and non-indicating finger-safe, DIN rail mount fuse holders for use with Class J fuses - (Cooper Bussmann® LPJ, JKS).

Dimensions: See Dimensions illustrations.

Ratings:

Volts: — 600Vac

Amps: — 0-60A (JT(N)60060)

— 0-30A (JT(N)60030)

SCCR: — 200,000A RMS Sym.

— 300,000A self certified using Cooper Bussmann LPJ_SP fuses

Agency Information: CE, Listed to UL 4248: Guide IZLT, File 14853, CSA Certified: Class 6225-01, File 47235. IP20 per IEC 60529.

Flammability Rating: UL 94V0.

Indication: Min voltage: 90Vac, 115Vdc; neon lamp “ON” when fuse opens, voltage source and current path are present.

Terminations: 30A dual port torque 20lb-in, 60A single port torque 45lb-in, terminal construction, tin-plated copper alloy.

Wire Size: JT(N)60030 - rated for 75°C, AWG#18-#8; Cu only, JT(N)60060 - rated for 75°C, AWG#14-#4; Cu only.

(Note: For JT(N)60030 use both stranded or solid, in a variety of dual wire combinations of same wire size and type.)

Features and Benefits

- Short-Circuit Current Rating of 300,000A with Cooper Bussmann LPJ___SP fuses.
- Rapid, flexible 35 mm DIN rail mounting.
- One piece interlocking design for assembling multiple pole blocks reduces inventory costs.
- Removable fuse carrier allows fuse replacement away from base while maintaining finger-safe rating.

Typical Applications

- Industrial Controls
- Process Controls
- Small HP VFDs

Catalog Numbers

Catalog Numbers	Amps	Indication
JT60030	30	Non-indicating
JT60060	60	Non-indicating
JTN60030	30	Indicating (Neon)
JTN60060	60	Indicating (Neon)



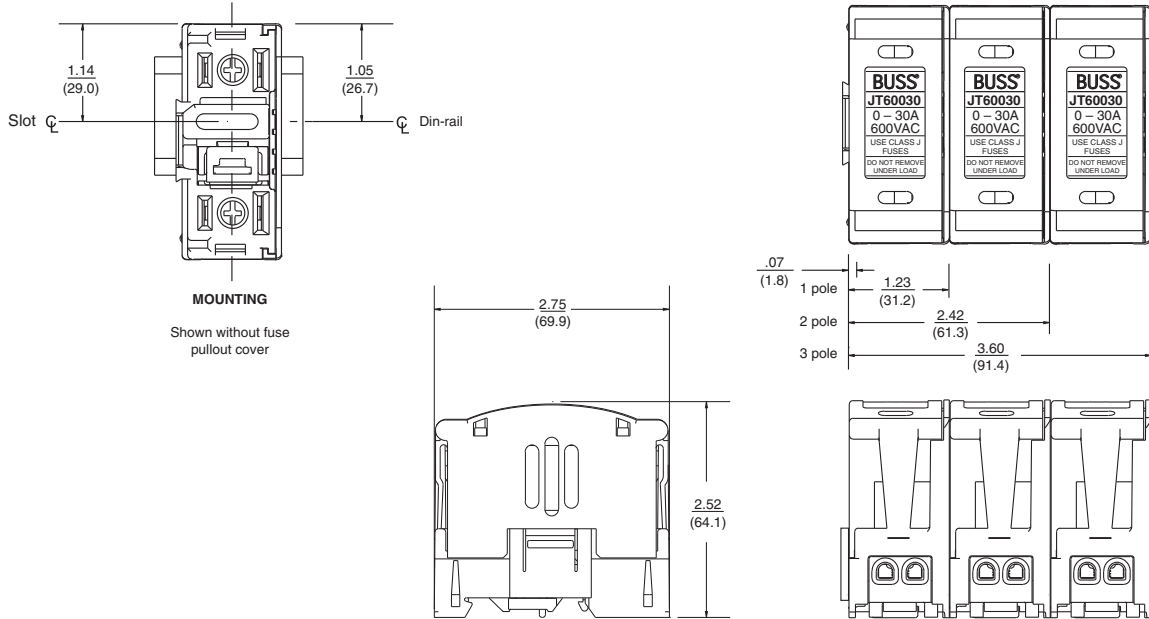
30 Amp Version



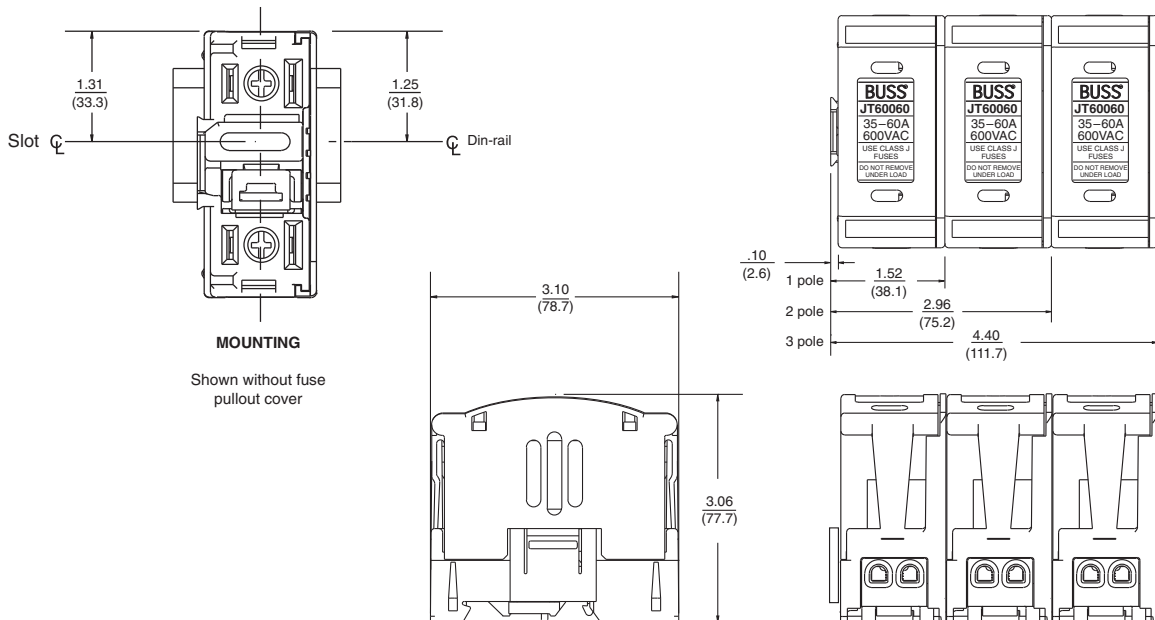
60 Amp Version

Class J (Finger-safe) Fuse Holders

Dimensions for JT60030 & JTN60030 — in (mm)



Dimensions for JT60060 & JTN60060 — in (mm)



JT(N)600 Series fuse blocks can be dovetailed together within the same current rating to provide multiple pole block configurations.

NOTE: JT(N)60030 cannot be dovetailed to JT(N)60060.

Global Modular Fuse Holders

CH Series - 8x32, 10x38, 14x51, 22x58, Class CC

Specifications

Description: The 'CH' line of modular fuse holders accommodates many fuses from around the world, including North American Class-CC, Midget, Class gR, aR HSF, and IEC Industrial Ferrule (Class gG and aM) in four physical sizes: 8x32, 10x38, 14x51 and 22x58mm.

Agency Information: Manufactured in accordance with IEC 60269 and IEC 60947-3. Agency Compliance as indicated in the Catalog Numbers table.

Features/Benefits

- Optional open fuse indication (minimum 90Vac, 115Vdc for indicator lights)
- 14x51 & 22x58mm configurations available with optional micro-switches for remote open fuse indication, pre-breaking, and fuse presence
- Multi-phase connections available for ganging poles
- Low voltage indicating device available for CC and midget (48V)



Modular Fuse Holder Selection Table (10 x 38 and CC)

Part Numbers

Series Size	Catalog Numbers		Max Voltage & Current	UL	IEC	Phase Configuration	No. of 17.5mm Modules*	Box Qty.	Terminal Rating	SCCR Rating	Cooper Bussmann Fuses
	W/O Indication	W/Indication									
CHCC Class CC	CHCC1D	CHCC1DI**	UL	††		1-pole	1	12	75° Cu Wire Only	200kA	LP-CC, FNO-R, KTK-R
	CHCC2D	CHCC2DI**	600Vac/dc	††		2-pole	2	6			
	CHCC3D	CHCC3DI**	30A	††		3-pole	3	4			
	—	CHCC1DI-48***	UL 48Vdc, 30A	††		1-pole	1	12			
CHPV	CHPV1	CHPV1I**	1000Vdc 30A	†††	•	1-pole	1	12	75° Cu Wire Only	33kA	PV Series
CHM 10X38 & Midget	CHM1D	CHM1DI**	UL	†	•	1-pole	1	12	75° Cu Wire Only	Rating varies depending on fuse used in holder.	FNO, KLM, FNM, KTK, BAF, FWA, DCM, C10 Series, AGU, FWC
	CHM1DNX	-	600Vac/dc, 30A		•	1 Neutral Pole	1	12			
	CHM1DN	CHM1DNI**			•	1-pole + Neutral	2	6			
	CHM2D	CHM2DI**		†	•	2-pole	2	6			
	CHM3D	CHM3DI**	IEC 690Vac, 32A (3 Watt)	†	•	3-pole	3	4			
	CHM3DN	CHM3DNI**			•	3-pole + Neutral	4	3			
	CHM4D	CHM4DI**			•	4-pole	4	3			
	—	CHM1DI-48***	UL 48Vdc, 30A IEC 48Vdc, 32A (3 Watt)	†	•	1-pole	1	12			

† UL Recognized (cURus)

†† UL Listed (cULus)

††† Self Certified

*Holder width as compared to standard 17.5mm module, i.e., 1 = 17.5mm 2 = 35mm.

**90V minimum required for illumination

***12V minimum required for illumination

MFH Wire Range and Torque - CH Series: CHCC, CHM & CHPV

Wire Range	Conductor Type 75°C Cu Wire Only	Conductors	Torque
18-12 AWG (0.8 - 4mm ²)	Solid/Stranded	Single	20 lb-in 2.3 N•m
10 AWG (5.0mm ²)	Solid	Single	25 lb-in (2.8 N•m)
10-8 AWG (5.0 - 8.0mm ²)	Stranded		
18-14 AWG (0.8 - 2.0mm ²)	Solid	Dual	
18-10 AWG (0.8 - 5.0mm ²)	Stranded		

Fuse Holders & Blocks

Global Modular Fuse Holders

Modular Fuseholder Selection Table (8x32, 14x51, and 22x58)

Part Numbers

Series/ Size	Catalog Numbers		Max Voltage & Current	IEC	UL	Phase Configuration	No. of 17.5mm Modules*	Box Qty.	Wire Range	Maximum Torque
	W/O Indication	W/Indication								
CH08 8X32	CH081D	CH081DI	IEC 400Vac 25A	•		1-pole	1	12	1-16mm ² (18-6 AWG)	2.5 N•m (22in-lb)
	CH081DNX	-		•		1 Neutral Pole	1	12		
	CH081DNS	CH081DNSI		•		1-pole + Neutral	1	12		
	CH081DN	CH081DNI		•		1-pole + Neutral	2	6	1-16mm ² (18-6 AWG)	2.0 N•m (17.5in-lb)
	CH082D	CH082DI		•		2-pole	2	6		
	CH083D	CH083DI		•		3-pole	3	4		
	CH083DNS	CH083DNSI		•		3-pole + Neutral	3	4		
	CH083DN	CH083DNI		•		3-pole + Neutral	4	3		
	CH084D	CH084DI		•		4-pole	4	3		
CH14 14X51	CH141D	CH141DICH1	UL/cURus 600Vac/dc, 40A (5 Watt) IEC 690Vac, 50A	•	†	1-pole	1.5	6	2.5-16mm ² (14-6 AWG)	3.0 N•m (26in-lb)
	CH141DMS	-14X51		•		1-pole + Microswitch	1.5	6		
	CH141DNX	-		•		1 Neutral Pole	1.5	6		
	CH141DN	CH141DNI		•		1-pole + Neutral	3	3		
	CH142D	CH142DI		•	†	2-pole	3	3		
	CH143D	CH143DI		•	†	3-pole	4.5	2		
	CH143DMS	-		•		3-pole + Microswitch	4.5	2		
	CH143DN	CH143DNI		•		3-pole + Neutral	6	1		
	CH143DNMS	-		•		3-pole + Neutral + Microswitch	6	1		
CH144D	CH144DI	•		4-pole	6	1				
CH22 22X58	CH221B		UL/cURus 600Vac/dc, 100A (9.5 Watt) IEC 690Vac, 125A	•	†	1-pole	2	6	2.5-50mm ² (14-1 AWG)	4.0 N•m (35in-lb)
	CH221BMS			•		1-pole + Microswitch	2	6		
	CH221BNX	Not Available with local neon indication (remote microswitch only)		•		1 Neutral Pole	2	6		
	CH221BN			•		1-pole + Neutral	4	3		
	CH222B			•	†	2-pole	4	3		
	CH223B			•	†	3-pole	6	2		
	CH223BMS			•		3-pole + Microswitch	6	2		
	CH223BN			•	†	3-pole + Neutral	8	1		
	CH223BNMS			•		3-pole + Neutral + Microswitch	8	1		
CH224B		•		4-pole	8	1				

† UL Recognized (cURus)

†† UL Listed (cULus)

*Holder width as compared to standard, i.e., 1 = 17.5mm module 2 = 35mm.

**90V minimum required for illumination

Accessories for CH Series

Catalog Numbers	Accessory	For Use with Fuse Holders	No. of Poles	Carton Qty.
AL-D	Multi-Phase Connection Links	CH08 and CH14 Series	-	12
JV-L	Multi-Phase Connection Kit***	CHM and CHCC Series	-	-
CH810-HP CH14-HP	Multi-Phase Handle Pins	CH08 Series CH14 Series	-	10
C08NL C14NL C22NL	Neutral Links	CH08 Series CH14 Series CH22 Series	-	10
CH14MS-1D CH14MS-3D		CH141 Series CH143 Series	1 3	5 2
CH-PLC****		CHM and CHCC Series	1	1
CH22LS	22x58 Lock Support	CH22 Series	-	5
CH22IP20	22x58 IP20 Protection Accessory	CH22 Series	-	12

***Kit contains 3-Spring pins and 6-connection links

****OL Listed (cULus)

Multi-Phase Connection Links



Multi-Phase Handle Pins



Neutral Links



Operated-Fuse Micro-Switches



Programmable Logic Controller (PLC)



SAMI™ Fuse Covers

SAMI™ Series



Specifications

Description: Indicating and non-indicating fuse covers for Class J, RK1, RK5, H, K5, CC, G (0-30A) and midget-type fuses. Indicating feature requires a minimum of 90Vac or 115Vdc to illuminate lamp. One cover required for each pole.

WARNING: To avoid electrical shock, turn power off before installing, removing or servicing.

Dimensions: See Dimensions illustration.

Ratings:

Volts: — Non-Indicating - 0-600Vac/dc
 — Indicating - 90 to 600Vac
 -115 to 600Vdc

Amps: — 0-100A

Agency Information: CE, UL Listed; SAMI-11 through SAMI-61, SAMI-81 and SAMI-91, SAMI-1N through SAMI-6N, SAMI-8N and SAMI-9N, UL Recognized; SAMI-71 and SAMI-7N, CSA Certified, File LR47235-93C.

Catalog Numbers

Catalog Numbers*	Description	Dimensions (Inches)		
		A	B	C
SAMI-1_	600V, J (0-30A) and 600V, T (35-60A)**	5.02	1.03	1.94
SAMI-2_	600V, RK, K5, H (0-30A)	7.03	1.30	2.07
SAMI-3_	600V, J (65-100A)	7.03	1.30	2.33
SAMI-4_	250V, RK, K5, H (65-100A)	8.20	1.30	2.18
SAMI-5_	600V, RK, K5, H (35-60A)	8.20	1.30	2.18
SAMI-6_	600V, J (35-60A)	4.98	1.17	2.14
SAMI-7_	600V, Midget, Class CC, G (0-30A)	3.82	0.75	1.72
SAMI-8†_	600V, RK††, K5, H (65-100A)	10.38	1.50	2.33
SAMI-9_	250V, RK, K5, H (0-30A) and 600V, T (0-30A)	3.82	0.75	1.72

*For indicating cover, add suffix "I", for non-indicating cover, add suffix "N".

Example: SAMI-7I = Indicating, SAMI-7N = Non-indicating.

**Available in non-indicating only.

†SAMI-8A adapter available for small Fusetron® body design. SAMI-8I and SAMI-8N come standard with adapter (SAMI-8A).

††Not for use with KTS-R fuses.

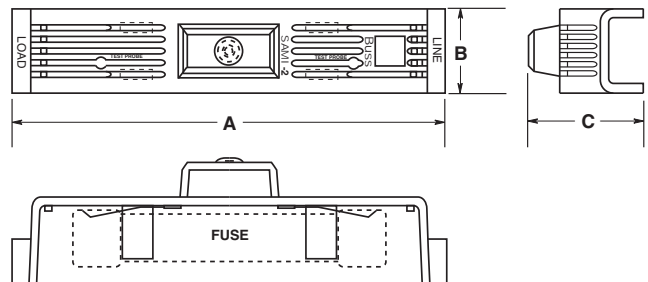
Features and Benefits

- Insulated cover allows field conversion of fuses mounted in open fuse blocks to dead front configuration.
- Optional open fuse indicating light aids in system troubleshooting.
- Units are re-usable.
- Allows visual marking of line and load side of fuses.

Typical Applications

- Class H, R and J fuse blocks up to 100A
- Class T fuse blocks up to 60A
- Class CC, G and Midget, 30A fuse blocks

Dimensions



Fuse Holders & Blocks

Class H(K) and R Fuse Blocks – 250V

H250 & R250 Series

Specifications

Descriptions:

H250 Series: 1-, 2- and 3-pole fuse blocks for use with Class H fuses.

R250 Series: 1-, 2- and 3-pole fuse blocks for use with Class R fuses (Cooper Bussmann LPN-RK and FRN-R, DLN-R and KTN-R fuses).



Dimensions: See Dimensions illustrations.

Ratings:

Volts: — 250Vac/dc (H250 & R250 Series)

Amps: — 1/10-600A

SCCR: — H250 Series; 10kA RMS Sym.

— R250 Series; 200kA RMS Sym.

Agency Information: CE, UL Listed UL 4248, Guide IZLT, File E14853; CSA Certified, Class 6225-01, File 47235.

Flammability Rating: UL 94V0.

Features and Benefits

- H250 fuse blocks provide one, two and three pole housing for Class H, K and R fuses at 250Vac.
- H250 fuse blocks are listed with a Short-Circuit Current Rating of 10kA RMS Sym.
- R250 fuse blocks provide one, two and three pole housing for Class R fuses at 250Vac.
- R250 fuse blocks are listed with a Short-Circuit Current Rating of 200kA RMS Sym.

Typical Applications

- 250Vac/dc or less Control Systems
- 250Vac/dc or less Industrial Control
- 250Vac/dc or less Industrial Control Circuits

Recommended DIN rail adapters for the 1/10-30A series

- see page 413.

Class H Fuseblocks (250V) Catalog Data (for NON and REN Fuses)

Amps	Poles	Terminal Type (Suffix No.)										Figure Number	Wire Range
		Screw					Box Lug w/						
		Catalog Number	—	Clip with Reinforced Spring	Pressure Plate	Pressure Plate & Clip with Reinforced Spring	—	Clip with Reinforced Spring	Copper Only	0.25" Quick Connect	—		
1/10 to 30	1	H25030-1	S	SR	P	PR	C	CR	—	Q	1	C, CR #2-14 Cu, #2-12 Al P, PR #10-18 Cu Only Q N/A S, SR #10-18 Cu Only	
	2	H25030-2	S	SR	P	PR	C	CR	—	—	2		
	3	H25030-3	S	SR	P	PR	C	CR	—	—	3		
31 to 60	1	H25060-1	—	—	—	—	C	CR	CO	—	4	C, CR #2-14 Cu, #2-8 Al CO #2-14 Cu Only	
	2	H25060-2	—	—	—	—	C	CR	CO	—	5		
	3	H25060-3	—	—	—	—	C	CR	CO	—	6		
61 to 100	1	H25100-1	—	SR	—	—	—	CR	—	—	7	CR #1/0-8 Cu/Al SR #8W/ Ring Terminal	
	2	H25100-2	—	SR	—	—	—	CR	—	—	8		
	3	H25100-3	—	SR	—	—	—	CR	—	—	9		
101 to 200	1	H25200-1	—	—	—	—	—	CR	—	—	10	CR 250kcmil-6 Cu/Al	
	3	H25200-3	—	—	—	—	—	CR	—	—	11		
201 to 400	1	H25400-1	—	—	—	—	—	CR†	—	—	12	CR 500kcmil-4 Cu/Al	
	3	H25400-3	—	—	—	—	—	CR†	—	—	13		
401 to 600	1	H25600-1	—	—	—	—	—	CR	—	—	14	CR (2) 500kcmil-4/0 Cu/Al	
	3	H25600-3	—	—	—	—	—	CR†	—	—	15		

*UL Recognized, No CSA Certification.

†No UL, No CSA Certification.

Class H(K) and R Fuse Blocks - 250V

Class R Fuseblocks (250V) Catalog Data (for LPN-RK, FRN-R, DLN-R and KTN-R Fuses)

Amps	Poles	Catalog Number	Terminal Type (Suffix No.)					0.25" Quick-Connect	Fig. No.	Wire Range
			Screw w/		Box Lug w/					
			—	Pres. Plate	—	Clip Cu Only				
1/10 to 30	1	R25030-1	SR	PR	CR	COR	QR*	1	COR #6-14 Cu Only CR #2-14 Cu, #2-12 Al PR #10-18 Cu Only QR N/A SR #10-18 Cu Only	
	2	R25030-2	SR	PR	CR	COR	—	2		
	3	R25030-3	SR	PR	CR	COR	—	3		
31 to 60	1	R25060-1	—	—	CR	—	—	4	CR #2-14 Cu, #2-8 Al	
	2	R25060-2	—	—	CR	—	—	5		
	3	R25060-3	—	—	CR	—	—	6		
61 to 100	1	R25100-1	—	—	CR	—	—	7	CR 1/0-8 Cu/Al	
	2	R25100-2	—	—	CR	—	—	8		
	3	R25100-3	—	—	CR	—	—	9		
101 to 200	1	R25200-1	—	—	CR	—	—	10	CR 250kcmil-6 Cu/Al	
	2	R25200-2	—	—	CR	—	—	11		
	3	R25200-3	—	—	CR	—	—	11		
201 to 400	1	R25400-1	—	—	CR†	—	—	12	CR 500kcmil-4/0 Cu/Al	
	3	R25400-3	—	—	CR†	—	—	13		
401 to 600	1	R25600-1	—	—	CR	—	—	14	CR 500kcmil-4/0 Cu/Al	
3	R25600-3	—	—	CR†	—	—	15			

*UL Recognized, No CSA Certification.
 †No UL, No CSA Certification.
 ‡UL Recognized, CSA Certification

Dimensions - in 250V 1/10 to 30A

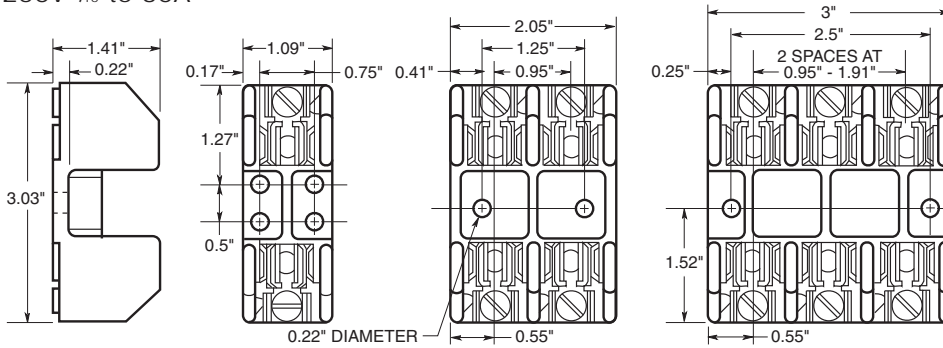


FIGURE 1.

FIGURE 2.

FIGURE 3.

250V, 31A to 60A

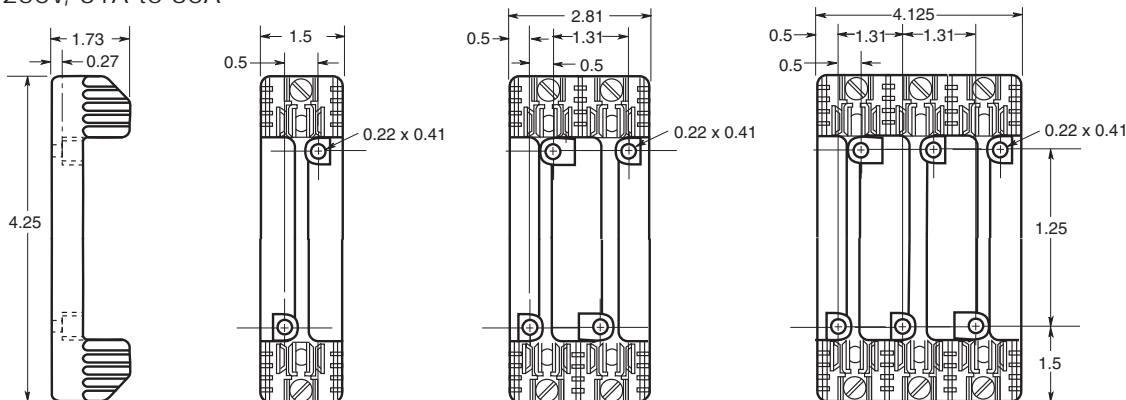


FIGURE 4.

FIGURE 5.

FIGURE 6.

Data Sheet: H250 Series, 1112; R250 Series, 1110

For product data sheets, visit www.cooperbussmann.com/datasheets/ulcsa

Fuse Holders & Blocks

Class H(K) and R Fuse Blocks - 250V

250V, 61A to 100A

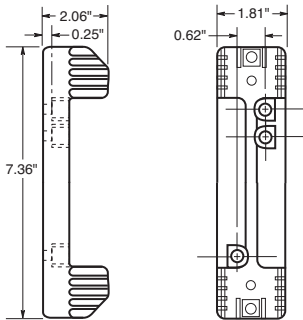


FIGURE 7.

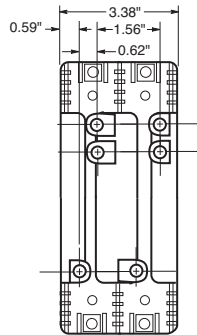


FIGURE 8.

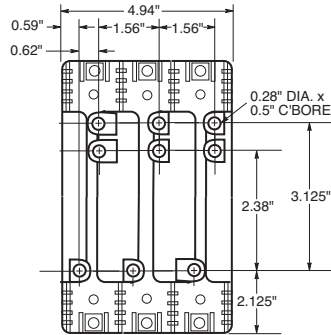


FIGURE 9.

250V, 101A to 200A

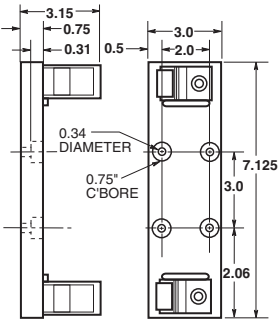


FIGURE 10.

250V, 101A to 200A

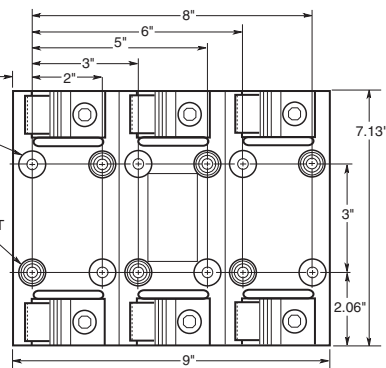
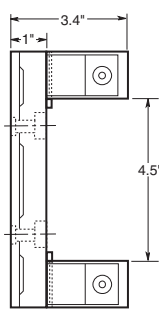


FIGURE 11.

250V, 201A to 400A

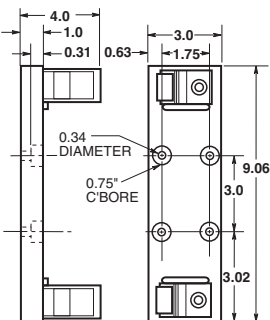


FIGURE 12.

250V, 201A to 400A

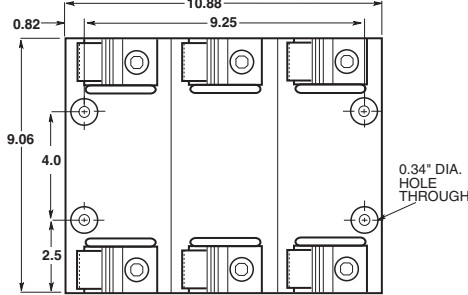
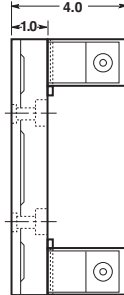


FIGURE 13.

250V, 401A to 600A

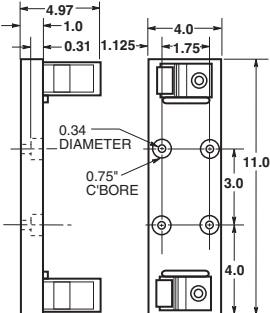


FIGURE 14.

250V, 401A to 600A

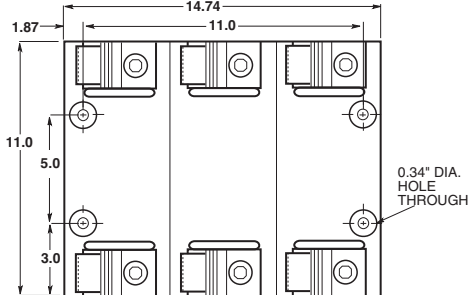
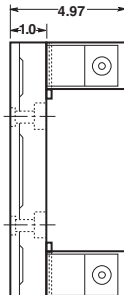


FIGURE 15.

Class H(K) and R Fuse Blocks – 600V

H600 & R600 Series

Specifications

Descriptions:

H600 Series: fuse blocks for use with 1-, 2- and 3-pole Class H fuses.

R600 Series: fuse blocks for use with 1-, 2- and 3-pole Class R fuses (Cooper Bussmann LPS-RK, FRS-R, DLS-R and KTS-R fuses).

Dimensions: See Dimensions illustrations.

Ratings:

Volts: — 600Vac/dc (H600 & R600 Series)

Amps: — 1/0-600A

SCCR: — H600 Series; 10kA RMS Sym.

— R600 Series; 200kA RMS Sym.

Agency Information: CE, UL Listed UL 4248, Guide IZLT, File E14853; CSA Certified, Class 6225-01, File 47235.

Flammability Rating: UL 94V0.



H60030-3C



H60030-2PR

Features and Benefits

- H600 fuse blocks provide one-, two- and three-pole housing for Class H, K and R fuses at 600Vac.
- H600 fuse blocks are listed with a Short-Circuit Current Rating of 10kA RMS Sym.
- R600 fuse blocks provide one, two and three pole housing for Class R fuses at 600Vac.
- R600 fuse blocks are listed with a Short-Circuit Current Rating of 200kA RMS Sym.

Typical Applications

- 600Vac/dc or less Control Systems
- 600Vac/dc or less Industrial Control
- 600Vac/dc or less Individual Control Circuits

Class H Fuseblocks (600V) Catalog Data (for NOS and RES Fuses)

Amps	Poles	Catalog Number	Terminal Type (Suffix No.)						Figure Number	Wire Range
			Screw			Box Lug w/				
			—	Clip with Reinforced Spring	Pressure Plate	Pressure Plate & Clip with Reinforced Spring	—	Clip with Reinforced Spring		
1/0 to 30	1	H60030-1	S	SR	P	PR	C	CR	1	C, CR #2-14 Cu, #2-12 Al P, PR, S, SR #10-18 Cu Only
	2	H60030-2	S	SR	P	PR	C	CR	2	
	3	H60030-3	S	SR	P	PR	C	CR	3	
31 to 60	1	H60060-1	—	—	—	—	C	CR	4	C, CR #2-14 Cu, #2-8 Al
	2	H60060-2	—	—	—	—	C	CR	5	
61 to 100	3	H60060-3	—	—	—	—	C	CR	6	CR #1/0-8 Cu/Al
	1	H60100-1	—	—	—	—	—	CR	7	
	2	H60100-2	—	—	—	—	—	CR	8	
101 to 200	3	H60100-3	—	—	—	—	—	CR	9	CR 250kcmil-6 Cu/Al
	1	H60200-1	—	—	—	—	—	CR	10	
201 to 400	3	H60200-3	—	—	—	—	—	CR	11	CR 500kcmil-4 Cu/Al
	1	H60400-1	—	—	—	—	—	CR†	12	
401 to 600	3	H60400-3	—	—	—	—	—	CR†	13	CR (2) 500kcmil-4/0 Cu/Al
	1	H60600-1	—	—	—	—	—	CR	14	
	3	H60600-3	—	—	—	—	—	CR†	15	

†No UL, No CSA Certification.

‡UL Recognized, CSA Certification

Class H(K) and R Fuse Blocks – 600V

Class R Fuseblocks (600V) Catalog Data (for LPS-RK, FRS-R, DLS-R and KTS-R Fuses)

Amps	Poles	Catalog Number	Terminal Type (Suffix No.)				Fig. No.	Wire Range
			Screw w/		Box Lug w/			
			—	Pres. Plate	—	Clip Cu Only		
1/80 to 30	1	R60030-1	SR	PR	CR	—	1	COR #6-14 Cu Only
	2	R60030-2	SR	PR	CR	COR	2	CR #2-14 Cu, #2-12 Al
	3	R60030-3	SR	PR	CR	COR	3	PR, SR #10-18 Cu Only
31 to 60	1	R60060-1	—	—	CR	—	4	CR #2-14 Cu, #2-8 Al
	2	R60060-2	—	—	CR	—	5	
	3	R60060-3	—	—	CR	—	6	
61 to 100	1	R60100-1	—	—	CR	—	7	CR, 1/0-8 Cu/Al
	2	R60100-2	—	—	CR	—	8	
	3	R60100-3	—	—	CR	—	9	
101 to 200	1	R60200-1	—	—	CR	—	10	CR 250kcmil-6 Cu/Al
	3	R60200-3	—	—	CR	—	11	
201 to 400	1	R60400-1	—	—	CR†	—	12	CR 500kcmil-4 Cu/Al
	3	R60400-3	—	—	CR†	—	13	
401 to 600	1	R60600-1	—	—	CR	—	14	CR (2) 500kcmil-4/0 Cu/Al
	3	R60600-3	—	—	CR†	—	15	

†No UL, No CSA Certification.

‡UL Recognized, CSA Certification

Dimensionals – in

600V, 1/80 to 30A

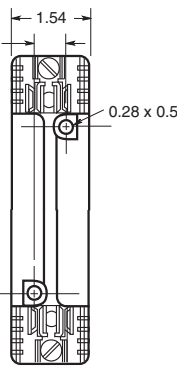
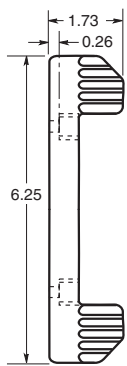


FIGURE 1.

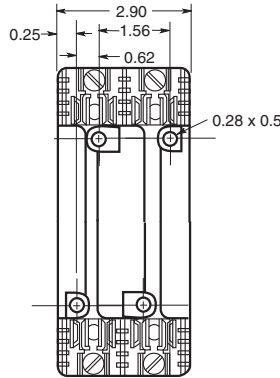


FIGURE 2.

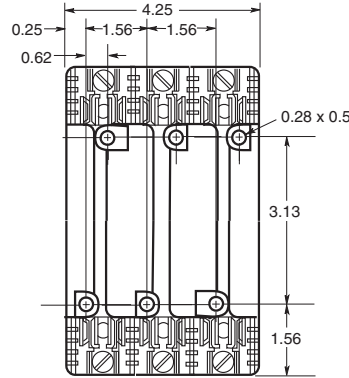


FIGURE 3.

600V, 31 to 60A

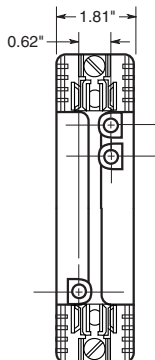
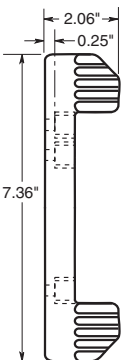


FIGURE 4.

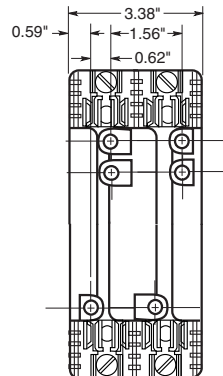


FIGURE 5.

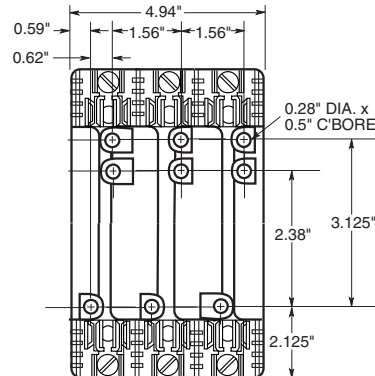


FIGURE 6.

Class H(K) and R Fuse Blocks - 600V

600V, 61 to 100A

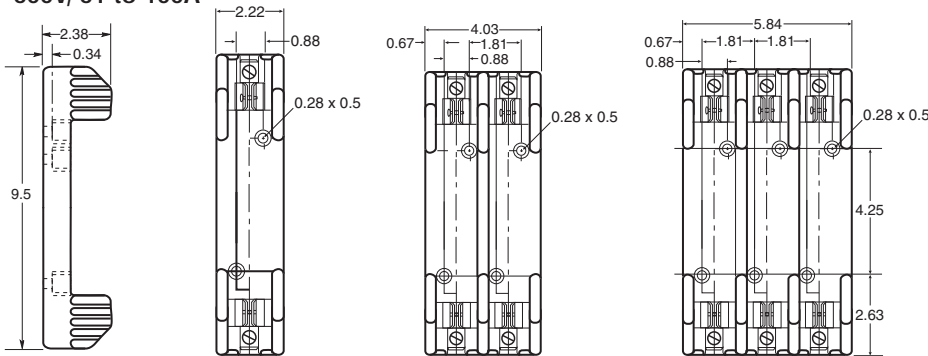


FIGURE 7.

FIGURE 8.

FIGURE 9.

600V, 101 to 200A

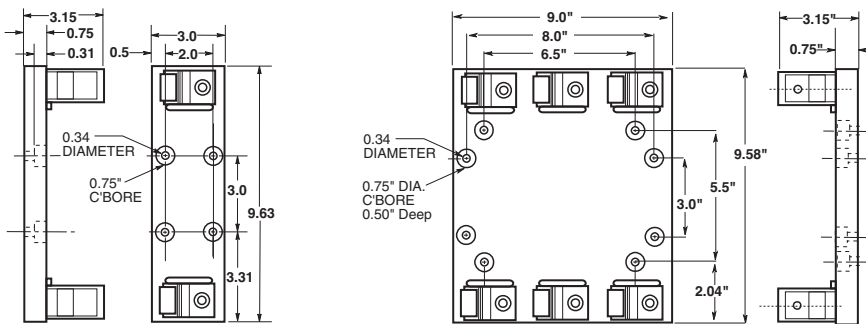


FIGURE 10.

FIGURE 11.

600V, 201 to 400A

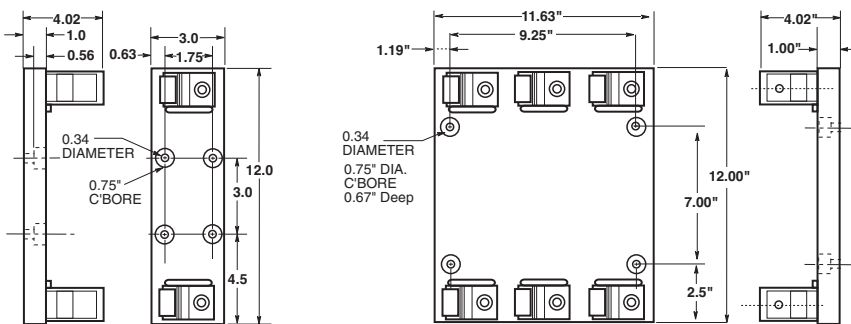


FIGURE 12.

FIGURE 13.

600V, 401 to 600A

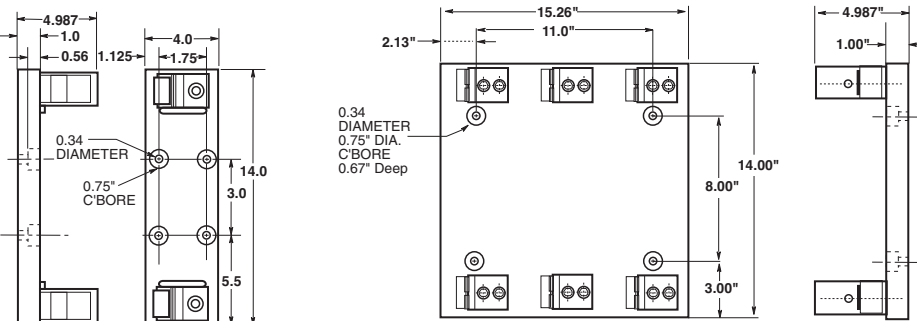


FIGURE 14.

FIGURE 15.

Data Sheet: H600 Series, 1113; R600 Series, 1111

Class J Fuse Blocks

J600 Series

Specifications

Description: 1-, 2- or 3-pole fuse blocks for use with Class J fuses (Cooper Bussmann® LPJ, DFJ and JKS).

Dimensions: See Dimensions illustrations.

Construction: Thermoplastic.

Poles: 1 to 3

Ratings:

Volts: — 600Vac/dc

Amps: — ½-600A

SCCR: — 200kA RMS Sym.

Agency Information: CE, UL Listed, UL 4248, Guide IZLT, File E14853, CSA Certified, C22.2 No. 4248, Class 6225-01, File 47235.

Flammability Rating: UL 94V0.

Mounting: Accepts DIN rail adapter DRA-1.

Catalog Numbers



Features and Benefits

- J600 fuse blocks provide one-, two- and three-pole housing for Class J fuses at 600Vac.
- J600 fuse blocks are listed with a Short-Circuit Current Rating of 200kA RMS Sym.

Typical Applications

- 600Vac/dc or less Control Systems
- 600Vac/dc or less Industrial Control
- 600Vac/dc or less Individual Control Circuits

Catalog Numbers

Screw†	Pressure Plate†	Box Lug	Box Lug w/ Retaining Clip	Amps	Poles	Fig. No.	Wire Range
J60030-1S*	J60030-1P	J60030-1C	J60030-1CR††	½-30	1	1	C, CR #2-14 Cu, #2-8 Al
J60030-2S*	J60030-2P	J60030-2C	J60030-2CR††		2	2	COR #2-14 Cu Only
J60030-3S*	J60030-3P	J60030-3C	J60030-3CR††		3	3	P, PR, S, SR #10-14 Cu Only
—	—	J60060-1C	J60060-1CR††	31-60	1	1	C, CR, #2-14 Cu/Al COR #4-14 Cu Only
—	—	J60060-2C	J60060-2CR††		2	2	
—	—	J60060-3C	J60060-3CR††		3	3	
—	—	—	J60100-1CR	61-100	1	4	COR 1/0-8 Cu Only
—	—	—	J60100-3CR††		3	5	CR, CRQ 1/0-8 Cu/Al
—	—	—	J60200-1CR	101-200	1	6	CR 250kcmil-6 Cu/Al
—	—	—	J60200-3CR		3	7	
—	—	—	J60400-1CR**	201-400	1	8	CR 500kcmil -4 Cu/Al
—	—	—	J60400-3CR**		3	9	
—	—	—	J60600-1CR	401-600	1	10	CR (2) 500kcmil-4/0 Cu/Al
—	—	—	J60600-3CR*		3	11	

†Clip reinforcing springs are standard on fuse blocks rated 100A and above. Available on 30A and 60A blocks by adding the letter "R" to the end of the part number.

††Copper only connections available by changing "CR" suffix to "COR".

*No UL, No CSA Certification

**UL Recognized, CSA Certification

Dimensions - in (±0.015)

½ - 60A

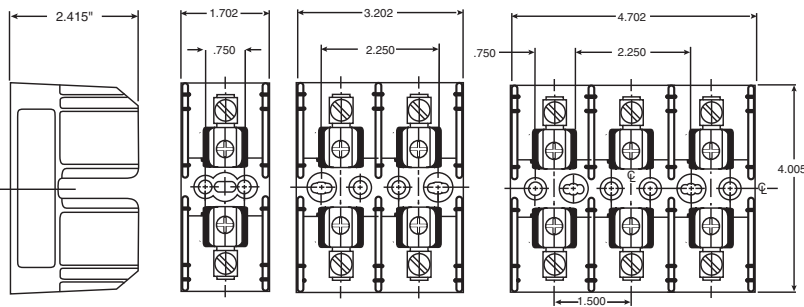


FIGURE 1.

FIGURE 2.

FIGURE 3.

61-100A

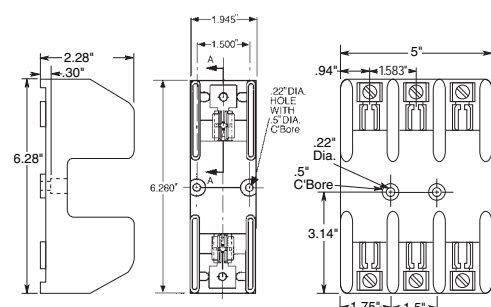


FIGURE 4.

FIGURE 5.

Data Sheet: 1114

Class J Fuse Blocks

101-200A

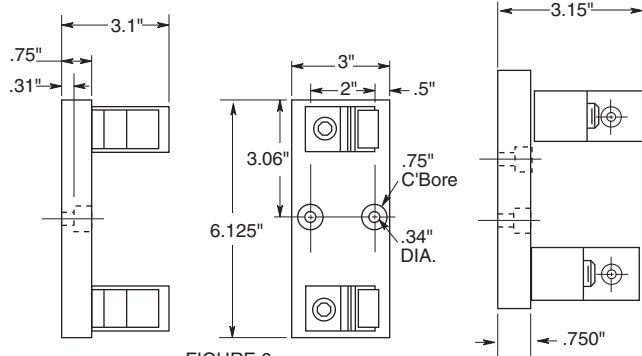


FIGURE 6.

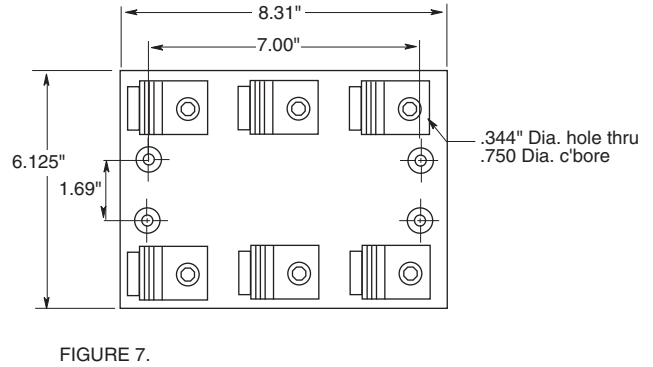


FIGURE 7.

201-400A

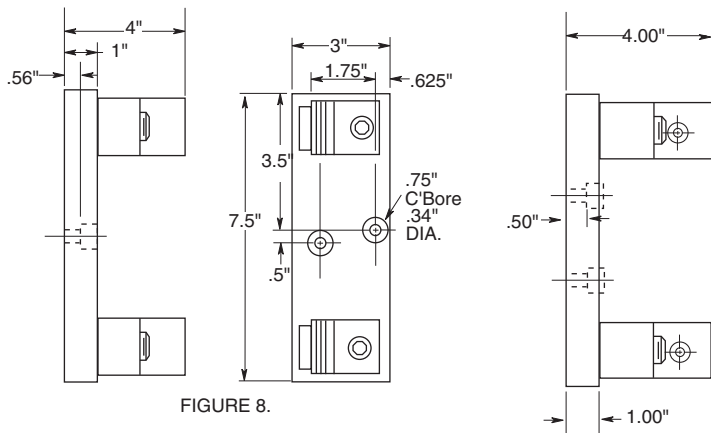


FIGURE 8.

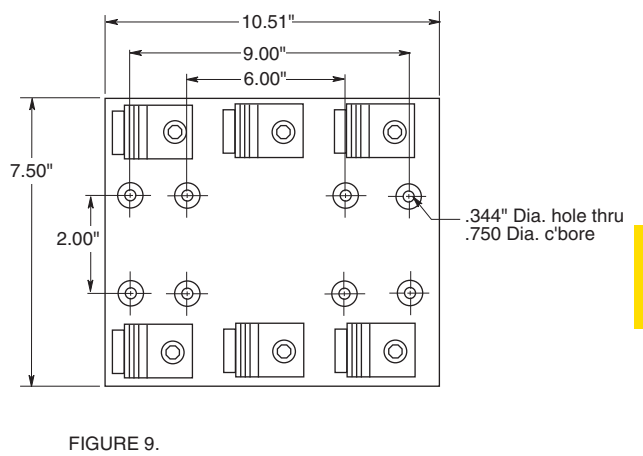


FIGURE 9.

401-600A

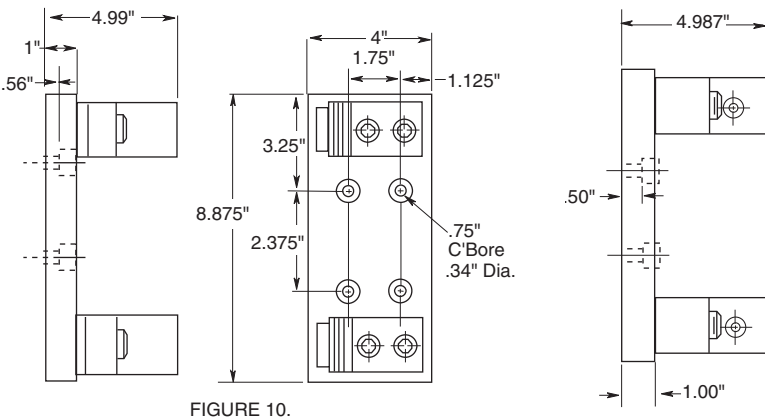


FIGURE 10.

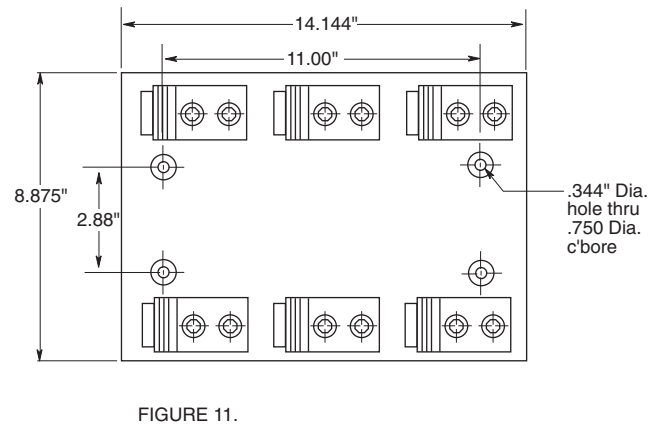


FIGURE 11.

Fuse Holders & Blocks

Class J Fuse Blocks

JP Series

Specifications

Description: Pyramid style 3-pole fuse block for use with Class J fuses (Cooper Bussmann® LPJ, DFJ, JKS).

Dimensions: See Dimensions illustrations.

Ratings:

- Volts: — 600Vac/dc
- Amps: — 0-30A
- SCCR: — 200kA RMS Sym.

Agency Information: CE, UL Listed, UL 4248, Guide IZLT, File E14853, CSA Certified, C22.2 No. 39, Class 4225-04, File 47235.

Flammability Rating: UL 94V0.

Mounting: Panel or 35mm DIN rail mount.

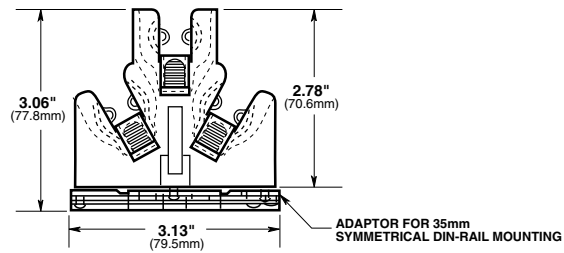
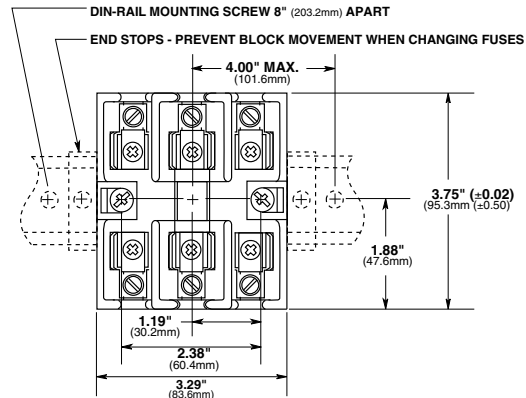
To order DIN rail: Part# NDNA 100 (1 meter) or NDNA 200 (2 meter).

Catalog Numbers

Catalog Numbers	Panel	Mounting		Aluminum	Box Copper Only	Wire Range
		With DIN Rail Adapter*	Screws with Pressure Plate			
JP60030-3PR	X		X			#10-14 Cu Only
JP60030-3CR	X			X		#2-14 Cu/Al
JP60030-3COR	X				X	#2-14 Cu Only
JP60030-3PRA		X	X			#10-14 Cu Only
JP60030-3CRA		X		X		#2-14 Cu/Al
JP60030-CORA		X			X	#2-14 Cu Only

*Adapter only for DIN rail - Cat No. JPA-3.

Dimensions - in (mm) ± 0.015" (± 0.40mm)



Data Sheet:1108

JA60030 Add-a-pole

Specifications

Description: Adder fuse block to achieve number of poles desired, for use with Class J fuses (Cooper Bussmann LPJ, DFJ & JKS).

Dimensions: See Dimensions illustrations.

Ratings:

- Volts: — 600Vac/dc
- Amps: — 0-30A
- SCCR: — 200kA RMS Sym.

Agency Information: UL Listed, UL 4248, Guide IZLT, File E14853, CSA Certified, C22.2 No. 4248, Class 6225-01, File 47235.

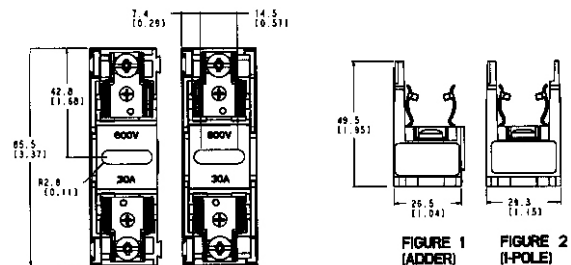
Flammability Rating: UL 94V0.

Mounting: Panel or 35mm DIN rail mount.

Features: Panel and DIN rail mount, adder block, retaining clip



Dimensions - in (mm)



Amps	Poles	Screw	Screw w/Retaining Clip	Pressure Plate	Pressure Plate w/Retaining Clip	Box Lug	Box Lug w/Retaining Clip	Wire Range (Cu Only)
½ - 30	ADDER	JA60030-AS	JA60030-ASR	JA60030-AP	JA60030-APR	JA60030-AC	JA60030-ACR	S, SR, P, PR 10 - 18 AWG C, CR, 10 - 14 AWG
	1	JA60030-1S	JA60030-1SR	JA60030-1P	JA60030-1PR	JA60030-1C	JA60030-1CR	
	2	JA60030-2S	JA60030-2SR	JA60030-2P	JA60030-2PR	JA60030-2C	JA60030-2CR	
	3	JA60030-3S	JA60030-3SR	JA60030-3P	JA60030-3PR	JA60030-3C	JA60030-3CR	

Class T Fuse Blocks – 300V

T300

Specifications

Description: T300 (300V) fuse blocks for use with Class T fuses (Cooper Bussmann® JJN).

Dimensions: See Dimensions illustrations.

Poles: 1 to 4

Ratings:

Volts: – 300Vac/dc

Amps: – ½ - 600A

SCCR: – 200kA RMS Sym.

Agency Information: CE, UL Listed UL 4248, Guide IZLT, File E14853, CSA Certified, Class 6225-01, File 47235.

Flammability Rating: UL 94V0.

Features and Benefits

- Provide 1-, 2- and 3-pole housing for 300Vac Class T fuses.
- Short-Circuit Current Rating of 200kA RMS Sym.
- Class T fuse blocks have a small foot print, providing substantial space savings in equipment

Typical Applications

- 300Vac/dc or less Control Systems
- 300Vac/dc or less Individual Control Circuits

Catalog Numbers

Catalog Numbers					
Screw	Box Lug	Amps	Poles	Fig. No.	Wire Range
T30030-2SR	T30030-2CR	½-30	2	1	SR #10-18 Cu CR #6-14 Cu/Al
T30030-3SR	T30030-3CR		3		
T30030-4SR	T30030-4CR		4		
T30060-2SR	T30060-2CR	31-60	2	1	CR #2-14 Cu/Al SR #10-18 Cu Only
T30060-3SR	T30060-3CR		3		
T30060-4SR	T30060-4CR		4		
—	T30100-1CR	61-100	1	2	1/0-8 Cu/Al
—	T30100-2CR		2		
—	T30100-3CR		3		
—	T30200-1C	101-200	1	3	250kcmil-6 Cu/Al
—	T30200-3C		3	4	
—	T30400-1C	201-400	1	5	600kcmil-2/0 Cu/Al
—	T30600-1C	401-600	1	6	(2) 600kcmil-4/0 Cu/Al



T30100-1CR



T30030-2CR



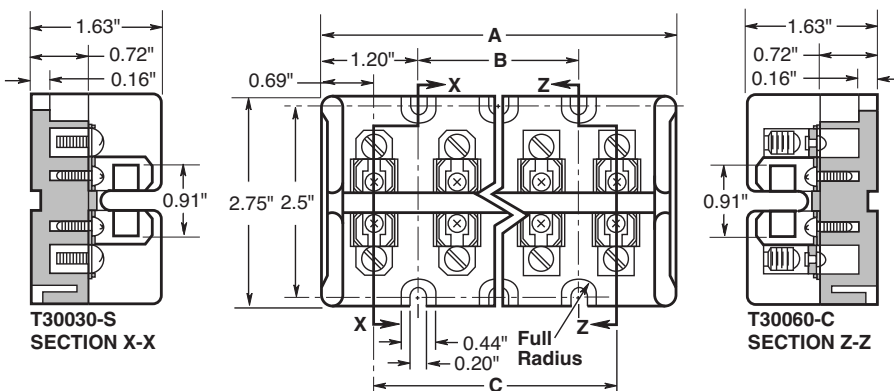
T30600-1C

Class T Fuse blocks (300V) Catalog Numbers

Catalog Numbers	Dimensions (in)		
	A	B	C
T30030-2	2.41	—	1.03
T30060-2	2.41	—	1.03
T30030-3	3.44	1.03	2.06
T30060-3	3.44	1.03	2.06
T30030-4	4.47	2.06	3.09
T30060-4	4.47	2.06	3.09

Fuse Holders & Blocks

Dimensions - in Figure 1. ½-60A



Data Sheet: 1115

Class T Fuse Blocks - 300V

Figure 2. 61 to 100A

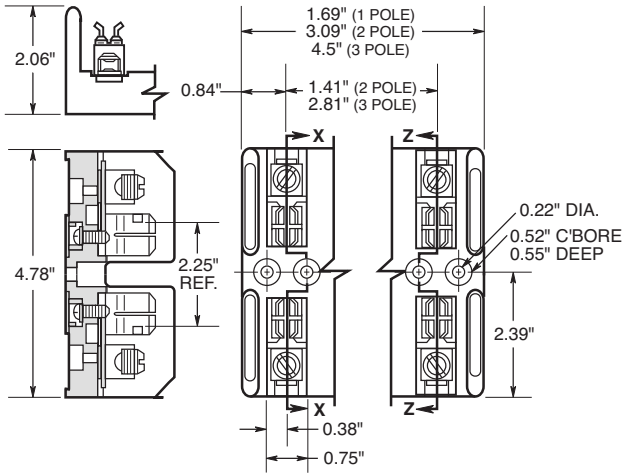


Figure 3. 101 to 200A

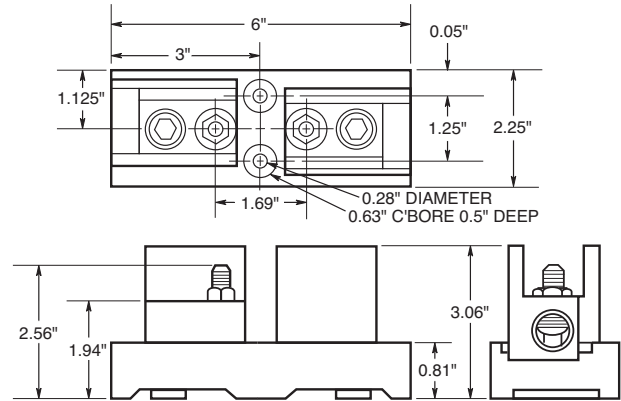


Figure 4. 200A

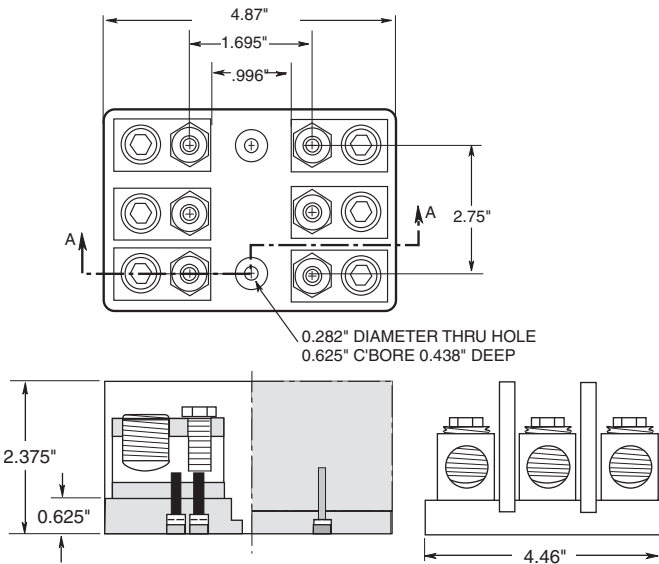


Figure 5. 201 to 400A

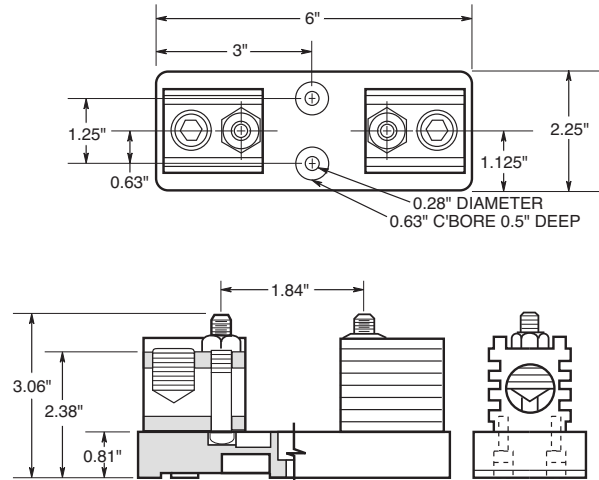
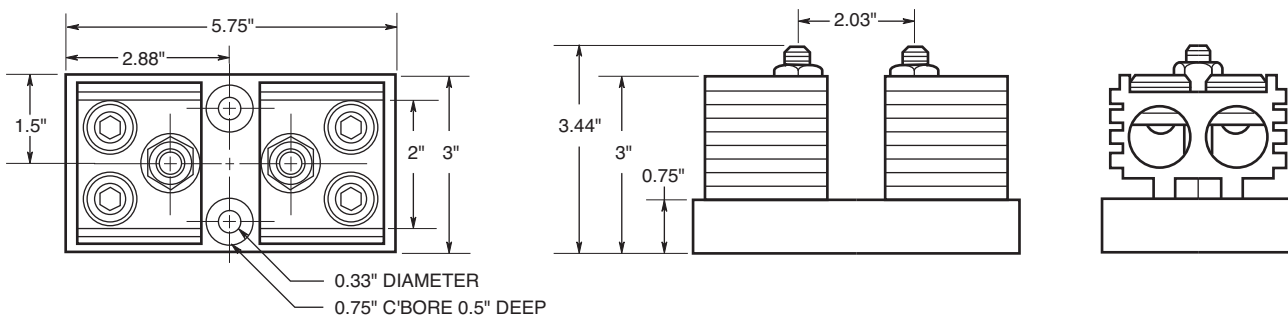


Figure 6. 401 to 600A



Class T Fuse Blocks – 600V

T600

Specifications

Description: T600 (600V) fuse blocks for use with Class T fuses (Cooper Bussmann® JJS).

Dimensions: See Dimensions illustrations.

Poles: 1 to 3

Ratings:

Volts: — 600Vac/dc

Amps: — ½ - 600A

SCCR: — 200kA RMS Sym.

Agency Information: CE, UL Listed UL 4248, Guide IZLT, File E14853, CSA Certified, Class 6225-01, File 47235.

Flammability Rating: UL 94V0.

Features and Benefits

- Provide 1-, 2- and 3-pole housing for 600Vac Class T fuses.
- Short-Circuit Current Rating of 200kA RMS Sym.
- Class T fuse blocks have a small foot print, providing substantial space savings in equipment

Typical Applications

- 600Vac/dc or less Control Systems
- 600Vac/dc or less Individual Control Circuits



T60600-1C



T30030-2CR

Catalog Numbers

Catalog Numbers					
Screw	Box Lug	Amps	Fig. Poles	No.	Wire Range
T60030-1SR	T60030-1CR	½-30	1	1	SR #10-18 Cu CR #2-14 Cu/Al
T60030-2SR	T60030-2CR		2		
T60030-3SR	T60030-3CR		3		
T60060-1SR	T60060-1CR	31-60	1	2	CR #2-14 Cu/Al SR #10-18 Cu Only
T60060-2SR	T60060-2CR		2		
T60060-3SR	T60060-3CR		3		
—	T60100-1C	61-100	1	3	2/0-14 Cu/Al
—	T60100-2C		2		
—	T60100-3C		3		
—	T60200-1C	101-200	1	4	250kcmil-6 Cu/Al
—	1B0089*		3		
—	T60400-1C	201-400	1	5	600kcmil-2/0 Cu/Al
—	T60600-1C	401-600	1	6	(2) 600kcmil-4/0 Cu/Al

* UL Listed, Guide IZLT, File E14853, CSA Certified Class 6225-01, File 21455M18

Dimensions - in

Figure 1. ½ to 30A

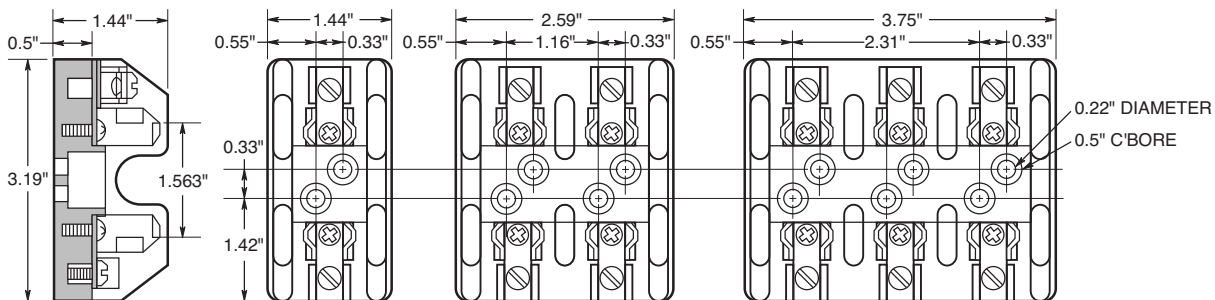
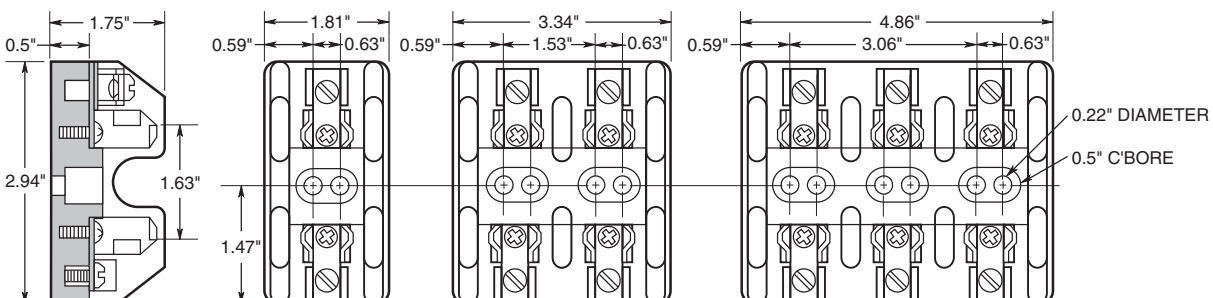


Figure 2. 31 to 60A



Data Sheet: 1116

Class T Fuse Blocks - 600V

Figure 3. 61 to 100A

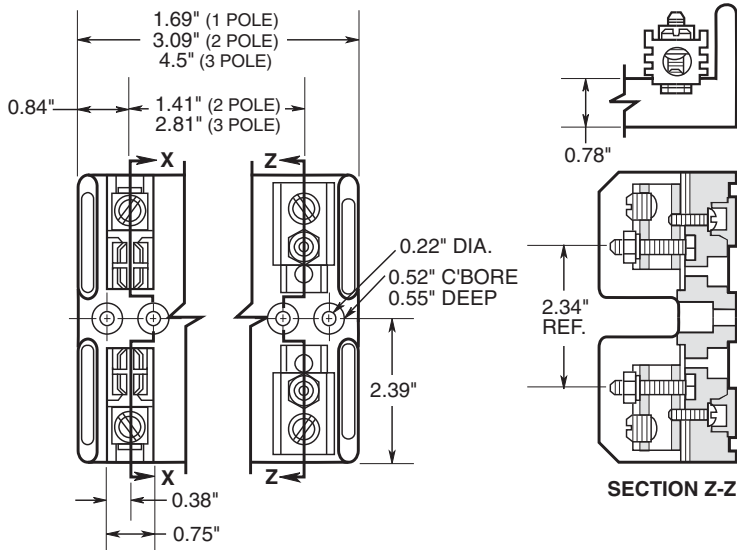


Figure 4. 101 to 200A

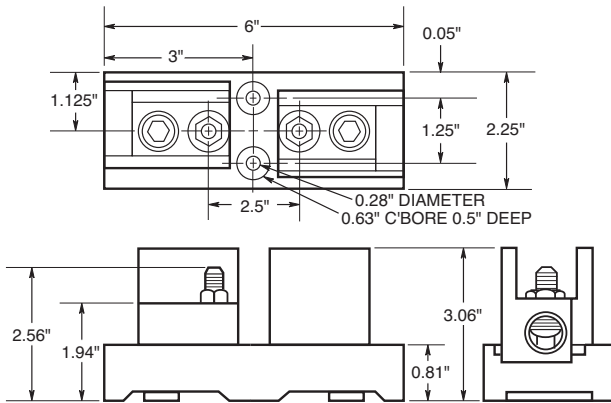


Figure 5. 201 to 400A

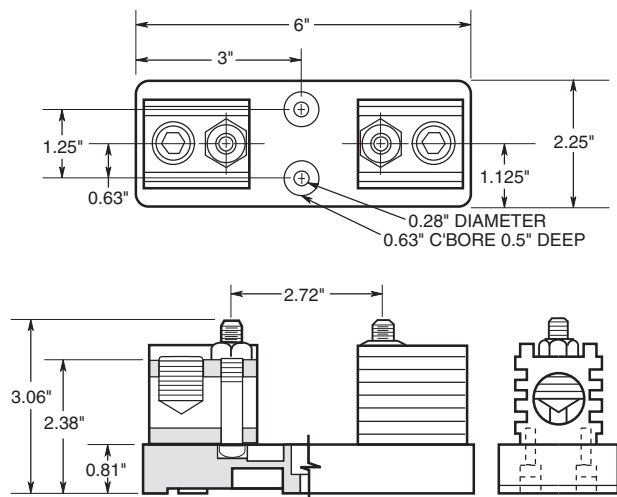
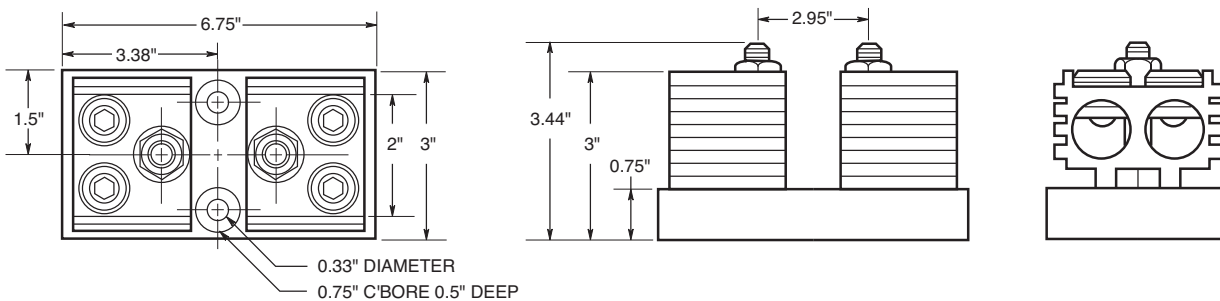


Figure 6. 401 to 600A



Add-a-pole Fuse Blocks

BCA Series - Class CC fuses BMA Series - 1 1/2" X 1 1/2" fuses

Specifications

Description: 1-, 2 and 3-pole fuse blocks for use with Class CC fuses (BCA Series use Cooper Bussmann® LP-CC, KTK-R, and FNQ-R), or with standard 1 1/2" x 1 1/2" fuses (BMA Series use Cooper Bussmann® KTK, FNQ, FNM, BAF, PV and AGU) Both Series use an "adder block" to form multi-pole segmented blocks to achieve the desired number of poles.

Dimensions: See Dimensions illustration.

Poles: 1 to 3.

Wire Range: #10-#18 Cu only.

Terminals: Screw/quick connect* or pressure plate/quick connect*.

Ratings:

Volts: — 600Vac/dc

Amps: — 1/0-30A

SCCR: — BCA Series:
200kA RMS Sym.
BMA Series:
10kA RMS Sym.

Agency Information:

BCA Series: CE, UL Listed, UL 4248, Guide IZLT, File E14853. CSA Certified, C22.2 No. 4248, Class 6225-01, File 47235.

BMA Series: CE, UL Recognized, UL 4248, Guide IZLT2, File E14853. CSA Certified, C22.2 No. 4248, Class 6225-01, File 47235.

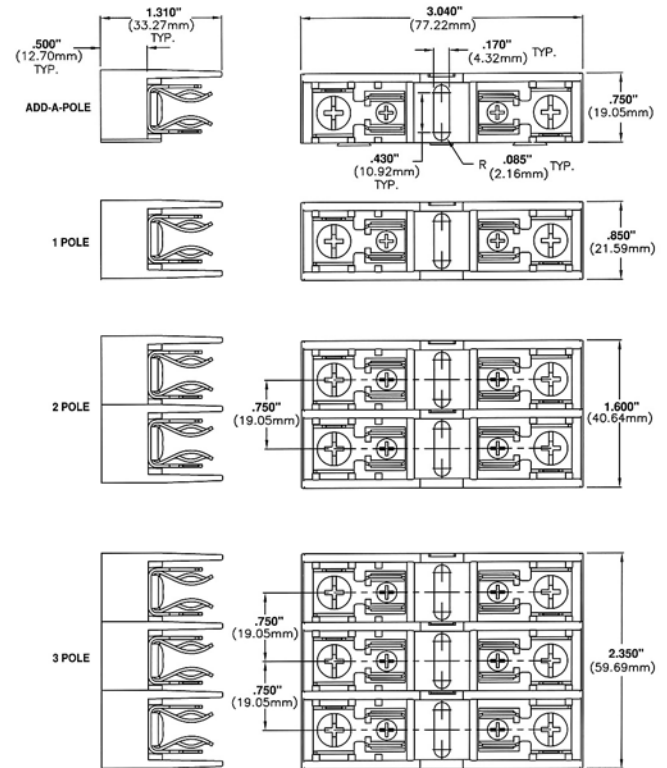
Flammability Rating: UL 94V0

*Quick connect rated for 20A maximum.

Catalog Numbers

BCA Series Catalog Numbers	Poles	Terminal Type
BCA603ASQ	Adder Block	Screw w/ quick connect
BCA6031SQ	1	Screw w/ quick connect
BCA6032SQ	2	Screw w/ quick connect
BCA6033SQ	3	Screw w/ quick connect
BCA603APQ	Adder Block	Pressure plate w/ quick connect
BCA6031PQ	1	Pressure plate w/ quick connect
BCA6032PQ	2	Pressure plate w/ quick connect
BCA6033PQ	3	Pressure plate w/ quick connect

Dimensions in ± 0.015" (mm 0.38mm)



Fuse Holders & Blocks

BMA Series Catalog Numbers	Poles	Terminal Type
BMA603ASQ	Adder Block	Screw w/ quick connect
BMA6031SQ	1	Screw w/ quick connect
BMA6032SQ	2	Screw w/ quick connect
BMA6033SQ	3	Screw w/ quick connect
BMA603APQ	Adder Block	Pressure plate w/ quick connect
BMA6031PQ	1	Pressure plate w/ quick connect
BMA6032PQ	2	Pressure plate w/ quick connect
BMA6033PQ	3	Pressure plate w/ quick connect

Data Sheets: BCA Series 1154, BMA Series 1155

Class CC, Type M and Class G Fuse Blocks

BC Series



Specifications

Description: Class CC fuse blocks for use with Class CC fuses (Cooper Bussmann LP-CC, KTK-R, and FNQ-R).

Dimensions: See Data Sheet 1105

Poles: 1 to 3

Ratings:

Volts: — 600V

Amps: — 1/0-30A

SCCR: — 200kA RMS Sym.

Agency Information: CE, UL Listed (Guide IZLT, File E14853), CSA (Class 6225-01, File 47235)

Flammability Rating: UL 94V0

DIN Rail Adapters: See page 413 for DRA-1 & DRA-2

Catalog Numbers

Screw	Terminal Type				Poles
	Screw with Quick Connect*	Pressure Plate	Pressure Plate w/ Quick Connect*	Box Lug	
BC6031S	BC6031SQ	BC6031P	BC6031PQ	BC6031B	1
BC6032S	BC6032SQ	BC6032P	BC6032PQ	BC6032B	2
BC6033S	BC6033SQ	BC6033P	BC6033PQ	BC6033B	3

Data Sheet: 1105

BCCM Series

Description: 3-pole fuse block for use with (2) Class CC fuses and (1) 1 1/2" x 1 1/2" fuse

Catalog Numbers

Catalog Numbers	Terminal Type
BCCM6033SQ	Screw with Quick-Connect*
BCCM6033PQ	Pressure Plate w/Quick-Connect*

*Quick-connect terminal rated for 20A max.

Recommended Cover Puller

- PF1-WH (White)
- PF1-BK (Black)

BM Series Type M



Specifications

Description: Supplementary fuse blocks for use with any 1 1/2" x 1 1/2" fuses (Cooper Bussmann® KTK, FNQ, FNM, BAF, PV, and AGU).

Dimensions: See Data Sheet 1104

Poles: 1 to 3

DIN Rail Adapters: See page 413 for DRA-1 & DRA-2

Ratings:

Volts: — 600Vac/dc

Amps: — 1/0-30A

SCCR: — 10kA RMS Sym.

Agency Information: CE, UL Recognized (Guide IZLT2, File E14853), CSA (Class 6225-01, File 47235).

Flammability Rating: UL 94V0.

Catalog Numbers

Screw with Quick Connect*	Terminal Type			Poles
	Pressure Plate w/ Quick Connect*	Box Lug		
BM6031SQ	BM6031PQ	BM6031B		1
BM6032SQ	BM6032PQ	BM6032B		2
BM6033SQ	BM6033PQ	BM6033B		3

Recommended Cover Puller

- PF1-WH (White)
- PF1-BK (Black)

Data Sheet: 1104

BG & G Series



Specifications

Description: Class G fuse blocks for use with Class G fuses (Cooper Bussmann SC).

Dimensions: See Data Sheet 1106

Poles: 1 to 3

Ratings:

Volts: — 600Vac/dc (0-20A)

— 480Vac/dc (25-60A)

Amps: — 1-60A (See Catalog Numbers table)

SCCR: — 100kA RMS Sym.

Agency Information: CE, UL Listed 35-60A (Guide IZLT, File E14853), UL Recognized 1-30A, (Guide IZLT2, File E14853), CSA (Class 6225-01, File 47235).

DIN Rail Adapters: See page 413 for DRA-1 & DRA-2.

Catalog Numbers

Screw with Quick Connect*	Terminal Type				Amps	Poles
	Pressure Plate w/ Quick Connect*	Box Lug	Box Lug w/retaining clip			
BG3011SQ	BG3011PQ	BG3011B	—	1-15	1	
BG3012SQ	BG3012PQ	BG3012B	—		2	
BG3013SQ	BG3013PQ	BG3013B	—	20	3	
BG3021SQ	BG3021PQ	BG3021B	—		1	
BG3022SQ	BG3022PQ	BG3022B	—	25-30	2	
BG3023SQ	BG3023PQ	BG3023B	—		3	
BG3031S	BG3031P	BG3031B	—	35-60	1	
BG3032S	BG3032P	BG3032B	—		2	
BG3033S	BG3033P	BG3033B	—		3	
—	—	—	G30060-1CR	35-60	1	
—	—	—	G30060-2CR		2	
—	—	—	G30060-3CR		3	

Recommended Cover Puller

- PF1-WH (White)
- PF1-BK (Black)

Data Sheet: 1106

Modular Fuse Blocks

BH Series



Specifications

Description: For use with Cooper Bussmann® high speed fuses.

Ratings:

SCCR: — 200kA RMS Sym. or fuse IR, whichever is lower.

Agency Information: CE, UL Recognized, Guide EZLT2, File No. E14853 up to 700V, CSA Certified, Class 6225-01, File No. 47235 up to 700V.

BH Series Features and Benefits

- BH fuse blocks provide a wide range of mounting configurations for Cooper Bussmann high speed fuses.
- BH fuse blocks have a Short-Circuit Current Rating of any installed fuse up to 200kA RMS Sym.

Typical Applications

- Solid State Control Circuits
- VFDs
- UPS Systems

Catalog Numbers

BH-0001	BH-0122	BH-2001	BH-3004
BH-0002	BH-1001	BH-2002	BH-3033
BH-0003	BH-1002	BH-2003	BH-3144
BH-0111	BH-1003	BH-2031	BH-3145
BH-0112	BH-1131	BH-2032	
BH-0113	BH-1132	BH-2033	
BH-0121	BH-1133	BH-3003	

Refer to the data sheet numbers below for the catalog code description information.

Data Sheet: (BH-0) 1200; (BH-1) 1201; (BH-2) 1202; (BH-3) 1203

Modular Type Fuse blocks for Class H & J Fuses



Specifications

Description: 3-Pole only, modular type fuse blocks for Class H & J fuses with standard reinforced retaining clips.

Ratings:

Volts: — 250V (0-60A See Catalog Numbers table)

— 600V (35-60A See Catalog Numbers table)

Amps: — 0-60A @ 250Vac/dc (See Catalog Numbers table)

— 35-60A@600V (See Catalog Numbers table)

SCCR: — Class J 200kA, Class H 10kA

Agency Information: CE, UL Recognized, Guide IZLT2, File E14853, CSA Certified, Class 6225-01, File 47235.

Class H & J Features and Benefits

- H & J modular fuse blocks provide three pole 30 and 60 amp ratings for specific client requirements for separate line and load fuse clip configurations.

Typical Applications

- Up to 60A, space confined, control circuits

Catalog Numbers					
Screw	Pressure Plate	Fuse Class	Volts	Amps	Fig. No.
11241-3SR*	11241-3PR*	H	250	60	1
11242-3SR	11242-3PR				2
11241-3SR	11241-3PR		600	35	1
11242-3SR**	11242-3PR**				2
11239-3SR	11239-3PR	J	600	60	1
11240-3SR**	11240-3PR**				2
11241-3SR	11241-3PR		600	35	1
11239-3SR*	11239-3PR*				60

Note: Order two blocks per fuse (matched or mixed.)

*11239 and 11241 have wire terminals and mounting holes located under fuse. (Figure 1)

**11240 and 11242 have wire terminals and mounting holes located at end of fuse. (Figure 2)



Figure 1



Figure 2

Box Cover Units for Plug Fuses

SOU, SRU, SSN, SSU, SOW, SRW, SSW, SOX, SRX, SSX, SOY, SRY, SSY, SSY-RL, SSSY-L, STY, SCY, SOY-B & SKA

Specifications

Description: Box covers for standard electrical boxes that provide fused outlet, fused switch or circuit fuse protection.

Ratings:

Volts: — 125V/250V (See Catalog Numbers table)

Amps: — 0-15A (See Catalog Numbers table)

Agency Information: CE, See Catalog Numbers table.

Features/Benefits

- Cooper Bussmann® Box Cover Units provide a low-cost method of controlling and protecting small motors when used with Cooper Bussmann® Type T, Fusetrion® , dual-element fuses.
- Provide low-cost supplementary protection and disconnection of 125V or less, single phase circuits.

Typical Applications

- Fractional Horsepower, 125 Volt Single-Phase Motor Circuits
- General 125 Volt Supplemental Circuits



Catalog Numbers

Catalog Numbers	Type Box	Fuse holder ³		Receptacle Outlet to Load		Switch Control ¹	Switch Light ²	Motor Size (Max)	General Data	Agency ⁴ Listing/Certification
		Single	Double	125V	250V					
SOU	2 1/4" Handy	X						3/4hp	125V, 15A	UL, CSA
SRU		X		X				1/2hp	125V, 15A	UL
SSU		X				X		1/2hp	125Vac, (do not use on dc), 15A	UL, CSA
SOW	2 1/4" Switch	X						3/4hp	125V, 15A	UL, CSA
SRW		X		X				1/2hp	125V, 15A	UL
SSW		X				X		1/2HP	125Vac, (do not use on dc), 15A	UL, CSA
SOX	4" Octagon	X						3/4hp	125V, 15A	UL, CSA
SRX		X		X				1/2hp	125V, 15A	UL
SSX		X				X		1/2hp	125Vac, (do not use on dc), 15A	UL, CSA
SOY	4" Square	X						3/4hp	125V, 15A	UL, CSA
SRY		X		X				1/2hp	125V, 15A	UL
SSY		X				X		1/2hp	125Vac, (do not use on dc), 15A	UL, CSA
SSY-RL	4" Square	X		X		X	X	1/2hp	125Vac, (do not use on dc), 15A	—
STY ³			X			X		1/2hp	125Vac, (do not use on dc), 15A	UL
SCY			X			X(2)		1/2hp (2)	125Vac, (do not use on dc), can protect two motors, 15A	UL
SOY-B			X					3/4hp	125V, protects two motors, 15A	UL
SKA	4 1/8" Square		X		X(15A)			2hp	250V, 15A single phase	UL
SSN	Single Gang	X		X		X		1/2hp	Weatherproof model, 15A	UL

¹ Switch turns power to fused load OFF or ON.

² Switch light indicates power to load (dark when switch OFF or fuse open).

³ Double pole switch opens both sides of circuit. Can be used for two separate motors with common switch or a single motor (3/4Hp, 250Vac max.).

⁴ UL Guide JAMZ, File IE6491; CSA Class 6225-01, File 47235.

In-line Fuse Holders for 1/4" x 7/8" to 1 1/4" Fuses

HFB & HFB-10



Specifications

Description: Waterproof in-line fuse holder for 1/4" x 1 1/4" fuses.

Dimensions: See Dimensions illustration.

Construction: Thermoplastic rubber body with tin-plated, copper contacts.

Ratings:

Volts: — 32V

Amps: — 30A max

Catalog Numbers

Catalog Numbers	Description
HFB*	Standard Pack (10-in)
BK/HFB	Bulk Pack (100-in)
BK/1A2294	HFB Replacement Contact Clip
1A2294-01	HFB-10** Replacement Contact Clip

*HFB accepts #12 to #18 wire leads (not provided). See Data Sheet for recommended crimp tools.

**HFB-10 accepts #10 wire leads (not provided). See Data Sheet for recommended crimp tools.

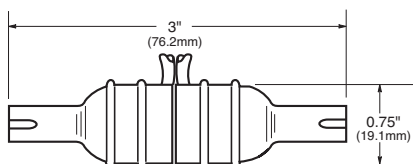
Features/Benefits

- Simple assembly with one-piece thermoplastic (important information molded into body)
- High visibility yellow color for easy identification in dark or hard-to-access locations
- Ideal for shock and vibration environments; withstands many organic solvents; temperature range -40/+150°C

Typical Applications

- Supplemental, Low Voltage, Low Amperage Control Circuits

Dimensions - in (mm)



Data Sheet: 2102

HHB



Specifications

Description: Universal in-line fuse holder for 1/4" x 7/8", 1" and 1 1/4" fuses.

Dimensions: See Dimensions illustration.

Construction: Nylon body with tin-plated, copper contacts.

Ratings:

Volts: — 32V

Amps: — 30A max

Flammability Rating: UL 94V2.

Pull Force: 5lbs minimum to separate fuse holder housing with fuse installed.

Features and Benefits

- HHB Universal in-line fuse holder for 1/4" x 7/8", 1" and 1 1/4" fuses.

Typical Applications

- Supplemental, Low Voltage, Low Amperage Control Circuits

Catalog Numbers

Holder — without leads* - RoHS compliant

Catalog Numbers	Description
HHB-R	Standard Pack (10-in)
BK/HHB-R	Bulk Pack (100-in)

*Accepts #12 to #16 wire leads (not provided with basic fuse holder). See Data Sheet for recommended crimp tools.

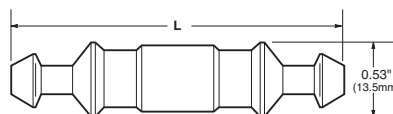
Holder — with pre-attached #14 Insulated lead wires - Not RoHS compliant unless noted

Catalog Numbers	19" Length	8" Length	Wire Color
BK/HHB-Y419	BK/HHB-Y408	Yellow	
BK/HHB-R419	BK/HHB-R408**	Red	
BK/HHB-B419	BK/HHB-B408	Black	

**RoHS compliant.

Dimensions - in (mm)

Fuse Length	Fuse Holder Length "L"
7/8" (AGW)	2.100 Max
1" (AGX)	2.250 Max
1 1/4" (AGC, MDL)	2.420 Max



Data Sheet: 2103

HRK



Specifications

Description: Universal in-line fuse holder for 1/4" x 7/8" to 1 1/4" fuses.

Dimensions: See Dimensions illustration.

Construction: 8" (203mm) #14 lead wires.

Ratings:

Volts: — 32V

Amps: — 15A max

Features and Benefits

- HRK Universal in-line fuse holder for 1/4" x 7/8", 1" and 1 1/4" fuses with #14 lead wires.
- RoHS compliant

Typical Applications

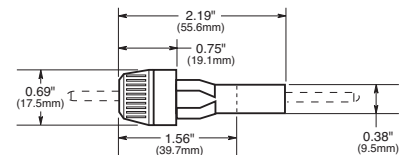
- Supplemental, Low Voltage, Low Amperage Control Circuits

Catalog Number

Catalog Number	Amp Rating	Volts	Fuse Description
HRK-R*	15	32	1/4" diameter fuses of different lengths.

*Three springs furnished with fuse holder to accommodate different length 1/4" fuses.

Dimensions - in (mm)



Data Sheet: 2111

In-line Fuse Holders

HR and HM Series

Specifications

Description: In-line fuse holders for SFE and 1/4" dia. x various length fuses.

Dimensions: See Dimensions illustration.

Ratings:

Volts: — 32V

Amps: — 20A

Features and Benefits

- HR and HM Universal in-line fuse holder for SFE and various length 1/4" diameter fuses with #14 lead wires.

Typical Applications

- Supplemental, Low Voltage, Low Amperage Control Circuits

Catalog Numbers

Catalog Numbers	Includes Fuse	Wire Length & Size
HRJ*	SFE-20	19" of #14
HRI	SFE-14	
HRH	SFE-9	
HRE	SFE-7½	
HRG	SFE-6	
HRF	SFE-4	
HMJ**	SFE-20	8" of #14
HMI	SFE-14	
HMH	SFE-9	
HME	SFE-7½	
HMG	SFE-6	
HMF	SFE-4	

* Also available as in-line fuse holder only with lead wire contacts, HRJ-LESS-Fuse.

** Also available as in-line fuse holder only with lead wire contacts, HMJ-LESS-Fuse.

HHJ-A For 3/8" x 1 1/4" fuse, no wire or fuse included, accepts #18 - #22 wire.

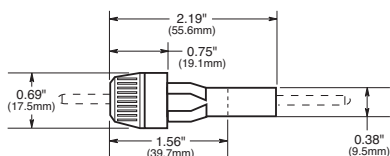
HHJ-B For 1/2" x 1 1/4" fuse, no wire or fuse included, accepts #12 - #16 wire.

HHI-B For 3/4" x 1 1/8" fuse, no wire or fuse included, accepts #12 - #16 wire.

Replacement Contacts

Catalog Number	Symbol
9838	HHJ-A
9841	HHJ-B

Dimensions - in (mm)



Data Sheet: 2122

HFA Series



Specifications

Description: In-line water-resistant fuse holders for 1/4" x 1 1/4" fuses.

Dimensions: See Dimensions illustration.

Construction: Phenolic body with copper crimp contact leads.

Ratings:

Volts: — 250V

Amps: — 20A

Agency Information: CE, UL Recognized, (Guide IZLT2, File E14853) UL.

Flammability Rating: UL 94HB.

Features and Benefits

- HFA in-line, water-resistant fuse holder for 1/4" x 1 1/4" fuses.

Typical Applications

- Supplemental, Low Voltage, Low Amperage Control Circuits

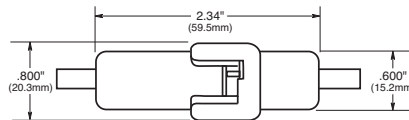
Refer to data sheet for recommend crimp tools

Catalog Numbers

Catalog Numbers	Terminals
HFA	Crimp #12 - #16
HFA-HH*	1/4" Quick Connect

*No UL Recognition.

Dimensions - in (mm)



Data Sheet: 2115

HHT Series



Specifications

Description: In-line fuse holders for 5 x 15mm or 5 x 20mm fuses.

Dimensions: See Dimensions illustration.

Construction: Black thermoplastic body with brass contacts, wire: 16 AWG, red.

Ratings:

Volts: — 32V

Amps: — 5A (5 x 15mm)
 — 10A (5 x 20mm)

Features and Benefits

- HHT in-line fuse holders for 5 x 15mm and 5 x 20 mm fuses.

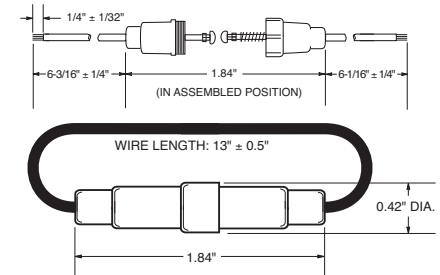
Typical Applications

- Supplemental, Low Voltage, Low Amperage Control Circuits

Catalog Numbers

Catalog Number	Fuse Size
HHT	5 x 15mm & 5 x 20mm

Dimensions - in



Data Sheet: 2138

Tron™ In-line Fuse Holders

HEG Series



Specifications

Description: Single-pole, non-breakaway, in-line fuse holders for Type SC fuses, 480V (or less).

Ratings:

Volts: — 600V
Amps: — 0-15A
Fuse Size: $\frac{1}{32}$ " x 1.31"

Catalog Number
HEG-AA

Optional Boots:
2A0660 Single Conductor
2A0661 Two Conductor

Data Sheet: 2124

HEH Series



Specifications

Description: Single-pole, non-breakaway, in-line fuse holders for Type SC fuses (Also fuse types BBS & KTQ, nominal size $\frac{1}{32}$ " x 1 $\frac{5}{16}$ ").

Ratings:

Volts: — 600V
Amps: — 0-20A
Agency Information: CSA - 15A.

Catalog Numbers
HEH-AA, HEH-BB, HEH-AD

Optional Boots:
2A0660 Single Conductor
2A0661 Two Conductor

Data Sheet: 2124

HEC Series



Specifications

Description: Single-pole, non-breakaway, in-line fuse holders for Type SC-25, & SC-30 fuses, size $\frac{1}{32}$ " x 1 $\frac{5}{16}$ ".

Ratings:

Volts: — 480V
Amps: — 0-30A

Catalog Numbers
HEC-AA, HEC-RW-RLB-R

Optional Boots:
2A0660 Single Conductor
2A0661 Two Conductor

Data Sheet: 2124

HEJ Series



Specifications

Description: Single-pole, non-breakaway, in-line fuse holders for Type SC and Type HVW fuses, size $\frac{1}{32}$ " x 2 $\frac{1}{4}$ ".

Ratings:

Volts: — 480V
Amps: — 35-60A Type SC
— $\frac{1}{2}$ -6A Type HVW

Catalog Numbers
HEJ-AA, HEJ-AB, HEJ-AC, HEJ-BB, HEJ-JJ, HEJ-JK, HEJ-LL, HEJ-LLB, HEJ-CC, HEJ-DD, HEJ-WW, HEJ-PP, HEJ-QQ

Optional Boots:
2A0660 Single Conductor
2A0661 Two Conductor

Data Sheet: 2123

HEB Series



Specifications

Description: Single-pole in-line fuse holders for any $\frac{1}{32}$ " x 1 $\frac{1}{2}$ " fuses (typically fuse types: BAF, FNM, FNQ, and KTK $\frac{1}{10}$ - 30A).

Ratings:

Volts: — 600V
Amps: — 0-30A

Catalog Numbers
See Page 280

Data Sheet: 2127

HET Series



Specifications

Description: Single-pole in-line fuse holders for $\frac{1}{32}$ " x 1 $\frac{1}{2}$ " fuses with a permanently solid neutral identified by white plastic coupling nut.

Catalog Numbers
HET-AA, HET-AB, HET-AW, HET-AW-RLC-A, HET-AW-RLC-B, HET-AW-RLC-C, HET-AW-RLC-J, HET-AW-RYC, HET-BB, HET-BW-RLC-B, HET-BW-RYC, HET-JJ, HET-JK, HET-JW, HET-JW-RLC-J, HET-JW-RYC, HET-KK

Data Sheet: 2125

HEY Series



Specifications

Description: Double-pole in-line fuse holders for KTK-R fuses with optional breakaway receptacle, polarized, and accepting Class CC branch circuit fuses (Cooper Bussmann® KTK-R, FNQ-R & LP-CC; 600V or less, 200,000A IR).

Ratings:

Volts: — 600V
Amps: — 0-30A

Catalog Numbers
HEY-AA, HEY-AB, HEY-AC, HEY-AD, HEY-AE, HEY-AL, HEY-AW-DRLC-A, HEY-AW-DRLC-B, HEY-AW-DRYC, HEY-BB, HEY-JJ

Data Sheet: 2126

HEX Series



Specifications

Description: Double-pole in-line fuse holders for $\frac{1}{32}$ " x 1 $\frac{1}{2}$ " fuses (typically fuse types BAF, FNM, FNQ, and KTK $\frac{1}{10}$ - 30A).

Ratings:

Volts: — 600V
Amps: — 0-30A

Catalog Numbers
HEX-AA, HEX-AB, HEX-AC, HEX-AD, HEX-AE, HEX-AW, HEX-AW-DRLC-A, HEX-AW-DRYC, HEX-AW-RLC-A, HEX-AW-RYC, HEX-AY, HEX-BB, HEX-CC, HEX-JJ, HEX-JK, HEX-JW-DRYC, HEX-KK

Data Sheet: 2126

For HEB Holders Only

Directions: To select complete holder P/N, work from left to right starting with loadside terminal options and then lineside terminal options. Then determine breakaway or non-breakaway style.

Loadside Terminal					Lineside Terminal					Available P/N's	
Terminal Type	Wire Size	No. of Wires per Terminal	Solid Wire	Stranded Wire	Terminal Type	Wire Size	No. of Wires per Terminal	Solid Wire	Stranded Wire	Non-Breakaway P/N (Boots not included)	Breakaway P/N (Boots included)
Copper Crimp	#12 to #8	1	Y	Y	Copper Crimp	#12 to #8	1	Y	Y	HEB-AA ⁽¹⁾⁽²⁾ ₍₃₎	HEB-AW-RLC-A ⁽¹⁾⁽²⁾ ₍₃₎
Copper Crimp	#12	2	Y	Y	Copper Crimp	#12	2	Y	Y	HEB-AB ⁽²⁾	HEB-AW-RLC-B
Copper Crimp	#12 to #8	1	Y	Y	Copper Crimp	#6	1	Y	Y	HEB-AC ⁽²⁾	HEB-AW-RLC-C ⁽⁴⁾
Copper Crimp	#12	2	Y	Y	Copper Crimp	#10	2	Y	Y	HEB-AD ⁽²⁾	N/A
Copper Crimp	#12 to #8	1	Y	Y	Copper Crimp	#4	1	N	Y	HEB-AE ⁽²⁾	N/A
Copper Crimp	#12	2	Y	Y	Copper Crimp	#8	2	Y	Y	HEB-AJ	HEB-AW-RLC-J
Copper Crimp	#12 to #8	1	Y	Y	Copper Crimp	#2	1	N	Y	HEB-AK	HEB-AW-RYC
Copper Crimp	#12	2	Y	Y	Copper Crimp	#6	2	Y	Y	HEB-AL	HEB-AW-RLA
Copper Crimp	#12 to #8	1	Y	Y	Copper Crimp	2/0	1	N	Y	HEB-AY	HEB-AW-RYA
Copper Crimp	#12	2	Y	Y	Copper Crimp	#3	2	N	Y	HEB-AR	N/A
Copper Crimp	#12 to #8	1	Y	Y	Copper Setscrew	#12 to #3	1	Y	Y	HEB-BA ⁽²⁾	HEB-BW-RLC-A
Copper Crimp	#12	2	Y	Y	Copper Setscrew	#12 to #3	2	Y	Y	HEB-BB ⁽²⁾	HEB-BW-RLC-B
Copper Crimp	#12 to #8	1	Y	Y	Aluminum Setscrew	#12 to #2	1	Y	Y	HEB-BC ⁽²⁾	N/A
Copper Crimp	#12	2	Y	Y	Aluminum Setscrew	#12 to #2	2	Y	Y	HEB-BD ⁽²⁾	N/A
Copper Crimp	#12 to #8	1	Y	Y	Aluminum Crimp	#1, #2	1	N	Y	HEB-CC ⁽²⁾	N/A
Copper Crimp	#12	2	Y	Y	Copper Crimp	#12 to #8	1	Y	Y	HEB-DD ⁽²⁾	N/A
Copper Crimp	#6	1	Y	Y	Copper Crimp	#12	2	Y	Y	HEB-ZA	N/A
Copper Crimp	#10	2	Y	Y	Copper Crimp	#6	1	Y	Y	HEB-JJ	HEB-JW-RLC-J
Copper Crimp	#10	2	Y	Y	Copper Crimp	#10	2	Y	Y	HEB-JK	HEB-JW-RYC
Copper Crimp	#6	1	Y	Y	Copper Crimp	#4	1	N	Y	HEB-JL	N/A
Copper Crimp	#10	2	Y	Y	Copper Crimp	#8	2	Y	Y	HEB-JY	N/A
Copper Crimp	#6	1	Y	Y	Copper Crimp	#2	1	N	Y	HEB-LL	HEB-LW-RLA
Copper Crimp	#10	2	Y	Y	Copper Crimp	#6	2	Y	Y	HEB-NN	N/A
Copper Crimp	#4	1	N	Y	Copper Crimp	#2	1	N	Y	HEB-PP ⁽²⁾	N/A
Copper Crimp	#8	2	Y	Y	Copper Crimp	#6	1	N	Y	HEB-QQ ⁽²⁾	N/A
Copper Crimp	#2	1	N	Y	Copper Crimp	#4	1	Y	N	HEB-RR ⁽²⁾	N/A
Copper Crimp	#6	2	Y	Y	Copper Crimp	#3, #4	1	N	Y	HEB-TT ⁽²⁾	N/A
Copper Crimp	#20, #18	1	Y	Y	Copper Crimp	#2	1	Y	N	HEB-SS	N/A
Copper Crimp	#12 to #3	1	Y	Y	Copper Crimp	#12 to #8	1	Y	Y		
Copper Crimp	#12 to #3	1	Y	Y	Copper Crimp	#12	2	Y	Y		
Copper Crimp	#12 to #3	1	Y	Y	Copper Setscrew	#12 to #3	1	Y	Y		
Copper Crimp	#12 to #3	1	Y	Y	Copper Setscrew	#12 to #3	2	Y	Y		
Copper Crimp	#12 to #3	1	Y	Y	Aluminum Setscrew	#12 to #2	1	Y	Y		
Copper Crimp	#12 to #3	1	Y	Y	Aluminum Setscrew	#12 to #2	2	Y	Y		
Aluminum Crimp	#12 to #2	1	Y	Y	Aluminum Setscrew	#12 to #2	1	Y	Y		
Aluminum Crimp	#8	1	N	Y	Aluminum Crimp	#8	1	N	Y		
Aluminum Crimp	#6	1	Y	N	Aluminum Crimp	#6	1	Y	N		
Aluminum Crimp	#6	1	N	Y	Aluminum Crimp	#6	1	N	Y		
Aluminum Crimp	#4	1	Y	N	Aluminum Crimp	#4	1	Y	N		
Aluminum Crimp	#3, #4	1	N	Y	Aluminum Crimp	#3, #4	1	N	Y		
Aluminum Crimp	#2	1	Y	N	Aluminum Crimp	#2	1	Y	N		
Aluminum Crimp	#1, #2	1	N	Y	Aluminum Crimp	#1, #2	1	N	Y		
Aluminum Crimp	1/0	1	N	Y	Aluminum Crimp	1/0	1	N	Y		
Solid Terminal for aluminum connector	#8 to #12	1	Y	N	Solid Terminal for aluminum connector	#8 to #12	1	Y	N		
Solid Terminal for aluminum connector	#10 to #14	1	N	Y	Solid Terminal for aluminum connector	#10 to #14	1	N	Y		

(1) UL Recognized, Guide IZLT2, File E14853

(2) CSA Certified, Class 6225-01, File 47235

(3) CE

(4) HEB-AW-RLC-C is for (1) #4 stranded wire only.

Insulating boots for single conductor-2A0660

Dual conductor-2A0661

Contact your local Cooper Bussmann representative for other possible terminations not listed.

Panel Mounted Fuse Holders for 5 x 20mm Fuses

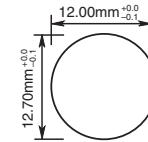
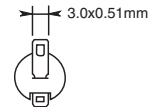
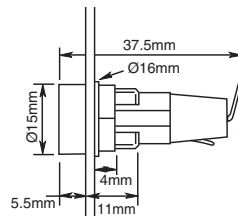
HTC-35M

Ratings:

Volts: — 250Vac

Amps: — 10A UL, 6.3A VDE

Fuse Access: Threaded cap



Data Sheet: 2110

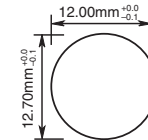
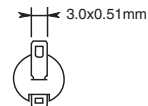
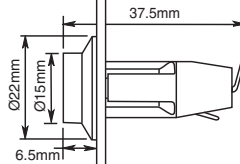
HTC-40M

Ratings:

Volts: — 250Vac

Amps: — 10A UL, 6.3A VDE

Fuse Access: Screwdriver slot



Data Sheet: 2110

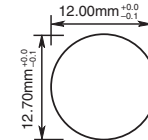
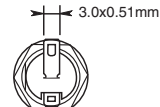
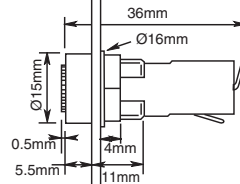
HTC-55M

Ratings:

Volts: — 250Vac

Amps: — 10A UL, 6.3A VDE

Fuse Carrier: Bayonet type



Data Sheet: 2110

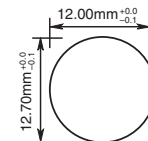
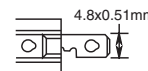
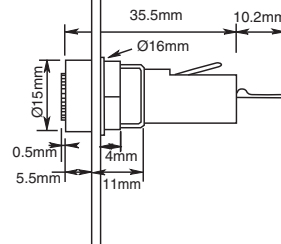
HTC-70M

Ratings:

Volts: — 250Vac

Amps: — 10A UL, 6.3A VDE

Fuse Carrier: Bayonet type



Data Sheet: 2110

Fuse Holders & Blocks

Specifications

- Terminals:** Tin-plated brass.
- Molded Materials:** High temperature thermoplastic that meets the flammability ratings of UL 94V0; Glow Wire Test: 960°C per IEC 60695-2-1.
- Solderability:** In accordance with IEC 68-2-20.
- Agency Information:** cURus, VDE
- Electrical:** Contact Resistance: ≤ 10 megohm; Insulation Resistance: ≥ 10MΩ; Dielectric Strength ≥ 2000Vac.
- Shock Safety:** PC2 (fuse holders).
- Packaging:** Standard Qty 10 (No Prefix), Bulk Qty 100 (Prefix Catalog Number with BK/).

Panel Mounted Fuse Holders for 1/4" x 1 1/4" Fuses

HKP, HKP-L, HKP-W



Specifications

Description: Standard fuse holders.

Dimensions: See Dimensions illustration.

Ratings:

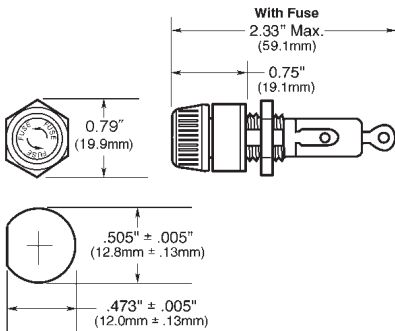
Volts: — 250V

Amps: — 30A

Catalog Numbers

Catalog Numbers	Fuse Description
HKP	—
HKP-L	HKP w/ 2250V stand-off barrier
HKP-W	HKP w/ drip-proof knob

Dimensions - in (mm)



Data Sheet: 2106

HKP-BBHH, HKP-HH and HKP-LW-HH



Specifications

Description: Fuse holders with 1/4" quick-connects.

Dimensions: See Dimensions illustration.

Ratings:

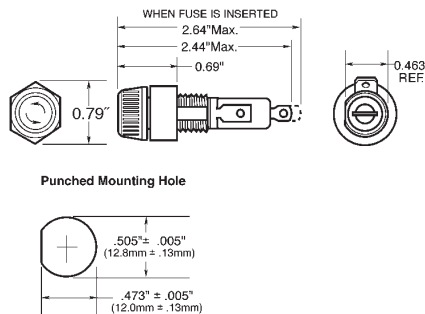
Volts: — 250V

Amps: — 15A

Catalog Numbers

Catalog Numbers	Fuse Description
HKP-BBHH	HKP w/ 1/4" quick-connects, nut and washer assembled.
HKP-HH	HKP w/ 1/4" quick-connect.
HKP-LW-HH	HKP w/ drip-proof knob, 2250V stand-off barrier and 1/4" quick-connects.

Dimensions - in (mm)



Data Sheet: 2106

HKP-OO



Specifications

Description: Snap-lock fuse holders.

Dimensions: See Dimensions illustration.

Ratings:

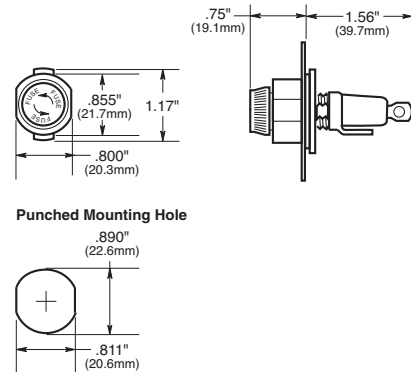
Volts: — 250V

Amps: — 30A

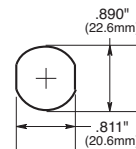
Catalog Numbers

Catalog Number	Fuse Description
HKP-OO	HKP with snap-lock

Dimensions - in (mm)



Punched Mounting Hole



Data Sheet: 2106

Specifications

Terminals: Bayonet-type knob.
Vibration resistant.
For panels up to 5/16" (7.9mm) thick.

Agency Information: CE (HKP, HKP-L, HKP-W, HKP-OO), UL Recognized — Guide IZLT2, File E14853, CSA Certified — Class 6225-01, File 47235

Replacement Parts: Cap: 9435-1/2
Plastic Nut: BK/1A4287 (100 pieces minimum)
Metal Nut: BK/1A4806-2 (100 pieces minimum)
Washer: 9732

Panel Mounted Fuse Holders for 5 x 20mm and 1/4" x 1 1/4" Fuses

HTB Series

Specifications

Description: Fuse holders with knob-type carriers.

Dimensions: See Dimensions illustrations.

Construction: High temperature, flame retardant thermoplastic; UL Component Recognized; UL 94V0; mounting nut, spacer-black polycarbonate. Terminals: tin-plated brass.

Electrical Data: Insulation resistance (per IEC #257) — 10,000 ohms @ 500Vdc; contact resistance (per IEC #257) — 0.005 ohms Max @ 1A; standoff voltage (per IEC #257) — 480V/Mil @ 0.125" thickness.

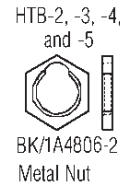
Agency Information: CE, UL Recognized — Guide IZLT2, File E14853, 1/4" dia fuse @ 20A, 5mm dia fuse @ 16A @ 250V, CSA — 16A @ 250V Class 6225-01 File 47235; VDE Certified: 136128, HTB-XXM, SEMKO Certification: Ref. #0146149/01, HTB-XXM.

Mounting: Withstands 15 to 20 Lb-In torque to mounting nut when mounting fuse holder to panel.

Environmental: Maximum operating temperature -55°C to 85°C.



Replacement Parts



Dimensional Data - in (mm)

Knob Type Carrier	Maximum Panel Thickness	Terminal Options				Carrier Options	
		Solder/ 3/16" Quick-Connect		1/4" Quick-Connect		1/4" x 1 1/4" ("I" Equals Inches)	5 x 20mm ("M" Equals Metric)
		In-Line	Rt. Angle	In-Line	Rt. Angle	Knob	Knob
Common Dimensions: Length (Knob Type) - 1.69" (42.9mm) Plus In-Line Terminal NOTE: Plus In-Line Terminal 	0.30"	HTB-22I-R	HTB-24I-R	HTB-26I-R	HTB-28I-R	X	
	7.62mm	HTB-22M-R	HTB-24M-R	HTB-26M-R	HTB-28M-R		X
	0.125"	HTB-42I-R	HTB-44I-R	HTB-46I-R	HTB-48I-R	X	
	3.18mm	HTB-42M-R	HTB-44M-R	HTB-46M-R	HTB-48M-R		X
	0.30"	HTB-62I-R	HTB-64I-R	HTB-66I-R	HTB-68I-R	X	
	7.62mm	HTB-62M-R	HTB-64M-R	HTB-66M-R	HTB-68M-R		X
	0.125"	HTB-82I-R	HTB-84I-R	HTB-86I-R	HTB-88I-R	X	
	3.18mm	HTB-82M-R	HTB-84M-R	HTB-86M-R	HTB-88M-R		X

Fuse holders and fuse carriers may be ordered separately.

Data Sheet: 2119

Panel Mounted Fuse Holders for 5 x 20mm and 1/4" x 1 1/4" Fuses

HTB Series



Dimensional Data - in (mm)

Screwdriver Type Carrier	Maximum Panel Thickness	Terminal Options				Carrier Options	
		Solder/ 3/16" Quick-Connect		1/4" Quick-Connect		1/4" x 1 1/4" ("I" Equals Inches)	5 x 20mm ("M" Equals Metric)
		In-Line	Rt. Angle	In-Line	Rt. Angle	Screwdriver	Screwdriver
Common Dimensions: (Screwdriver Slotted) 1.75" (44.5mm) NOTE: Plus In-Line Terminal							
 HTB-3	0.30" 7.62mm	HTB-32I-R	HTB-34I-R	HTB-36I-R	HTB-38I-R	X	
		HTB-32M-R	HTB-34M-R	HTB-36M-R	HTB-38M-R		X
 HTB-5	0.125" 3.18mm	HTB-52I-R	HTB-54I-R	HTB-56I-R	HTB-58I-R	X	
		HTB-52M-R	HTB-54M-R	HTB-56M-R	HTB-58M-R		X
 HTB-9	0.125" 3.18mm	HTB-92I-R	HTB-94I-R	HTB-96I-R	HTB-98I-R	X	
		HTB-92M-R	HTB-94M-R	HTB-96M-R	HTB-98M-R		X

Catalog Number Build-A-Code

Packing Blank (Std.) – 10 fuse holders in a carton BK – 100 fuse holders in a cardboard shelf package	HTB- Product Symbol	Fuse Carrier I – 1/4" x 1 1/4" M – 5 x 20mm	S P Splash Proof Cap with O-Ring (Optional on Knob Holders Only)	FUSE CARRIER ONLY Packaging (Blank) – Std. BK/ – Bulk	Product Symbol FT – Knob Type (For 20, 40, 60, and 80 Series Only) ST – Screwdriver Slotted (For 30, 50, and 90 Series Only)	Fuse Carrier I – 1/4" x 1 1/4" M – 5 x 20mm
Body Configuration and Mounting Knob Holders 2 – Low Profile (Rear Panel Hex-Nut) 4 – High Profile 6 – (Front Panel Hex-Nut) 8 – Low Profile (Snap-In) Screwdriver Slotted Holders 3 – Low Profile 5 – High Profile 9 – Low Profile (Snap-In)	Rear Terminal Configuration 2 – Solder / 3/16" Quick-Connect (In-Line) 4 – Solder / 3/16" Quick-Connect (Right Angle) 6 – 1/4" Quick-Connect (In-Line) 8 – 1/4" Quick-Connect (Right Angle)	-R RoHS Compliant				

*Profile varies with panel thickness. Holder installs through rear of panel.

Panel Mounted Fuse Holders for Indicating Type Fuses

HLD



Specifications

Description: Pin indicating for ¼" x 1¼" fuses.

Dimensions: See Dimensions illustration.

Ratings:

Volts: — 250V

Amps: — 15A

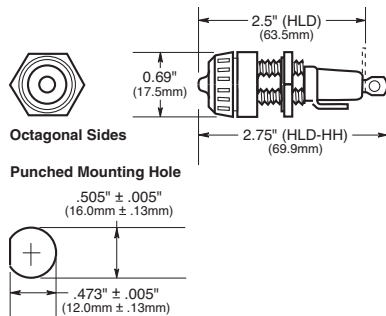
Agency Information: CE, UL Recognized, File E14853, Guide IZLT2.

Catalog Numbers

Catalog Numbers*	Terminals
HLD	Solder terminals
HLD-HH	¼" quick-connect terminals

*Use w/GBA, GLD Fuses.

Dimensions - in (mm)



HJL



Specifications

Description: Neon lamp indicating for ¼" x 1" fuses.

Dimensions: See Dimensions illustration.

Ratings:

Volts: — 250V

Amps: — 15A

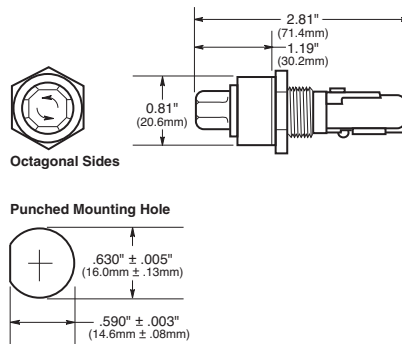
Agency Information: None

Catalog Number

Catalog Number*	Volts	Lamp Color	Knob Type
HJL	90 to 250	Clear	Oct

*Use with AGX or MKB fuses, for panels up to ½" thick.

Dimensions - in (mm)



HK Series



Specifications

Description: Neon and incandescent lamp indicating for ¼" x 1¼" fuses

Dimensions: See Dimensions illustration.

Ratings:

Volts: — 250V

Amps: — 15A (HKL, HKL-X)

— 20A (HKR, HKT, HKU, HKX)

Agency Information: CE, UL

Recognized, (Guide IZLT2, File E14853), CSA Certified

(Class 6225-01, File 47235).

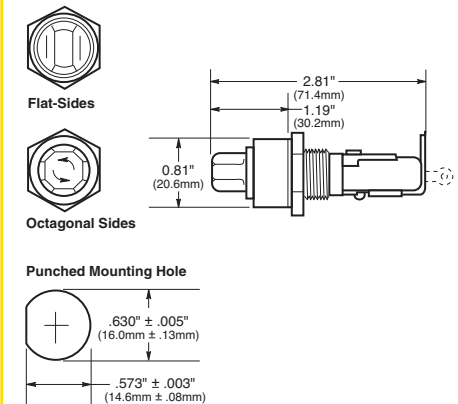
Catalog Numbers

Catalog Numbers	Lamp Volts	Knob Color/Type
HKL*	90-250	Clear/Oct
HKL-X*	90-250	Clear/FS
HKR**	22-30	Amber/Oct
HKT**	13-22	Amber/Oct
HKU**	4-6	Red/Oct
HKX**	22-33	Amber/FS

* Neon lamp — UL Recognized and CSA Certified.

** Incandescent lamp.

Dimensions - in (mm)



Panel Mounted Fuse Holders for 1 3/32" x 1 5/16" to 1 1/2" Fuses

HPF



#10 wire max for solder connection

Specifications

Description: Standard fuse holders with **screw-type knob** for 1 3/32" x 1 5/16" to 1 1/2" Fuses.

Dimensions: See Dimensions illustration.

Agency Information: CE, UL Recognized, Guide IZLT2, File E14853; CSA Certified, Class 6225-01, File 47235.

Flammability Rating: UL 94HB.

Terminals: Combination 1/4" quick-connect/solder terminals.

Catalog Numbers

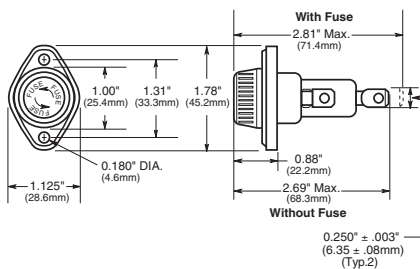
Catalog Numbers	Amp Ratings	Volts	Fuse Description
HPF	30 ²	600	1 1/2" (38.1mm)
HPF-C	30 ²	600 ³	1 1/2" (38.1mm) clear knob.
HPF-L	5	600	BBS, 1 3/32" x 1 5/16" fuses.
HPF-EE	15	600	SC 0-15, 1 3/32" x 1 5/16" fuses.
HPF-JJ	20	600	SC 20, 1 3/32" x 1 5/16" fuses.
HPF-FF ¹	30 ²	480	SC 25 & 30, 1 3/32" x 1 5/16" fuses.
HPF-RR	30 ²	600	KTK-R, LP-CC & FNQ-R Class CC fuses.
HPF-WT	30 ²	600	Splash-proof knob. 1 3/32" x 1 5/16" (38.1mm)

¹ No CSA Certification

² 20A max when used with quick-connect terminals.

³ HPF-C ratings for CSA-15A, 250V

Dimensions - in (mm)



Data Sheet: 2114

HPS



Specifications

Description: Standard fuse holders with **bayonet-type knob** for 1 3/32" x 1 5/16" to 1 1/2" fuses.

Dimensions: See Dimensions illustration.

Agency Information: CE, UL Recognized, Guide IZLT2, File E14853; CSA Certified, Class 6225-01, File 47235.

Flammability Rating: UL 94HB.

Terminals: Combination 1/4" quick-connect/solder terminals.

Catalog Numbers

Catalog Symbol	Amp Ratings	Volts	Fuse Description
HPS	30 ^{2,3}	600	1 1/2" x 1 1/2"
HPS-L	5	600	BBS, 1 3/32" x 1 5/16" fuses.
HPS-EE [*]	15	600	SC 0-15, 1 3/32" x 1 5/16" fuses.
HPS-JJ [*]	20	600	SC 20, 1 3/32" x 1 5/16" fuses.
HPS-F-EE [†]	15	600	Sleeve on body, leaded for 1 3/32" x 1 5/16" fuses.
HPS-FF ^{†1}	30 ²	480	SC 25 & 30, 1 3/32" x 1 5/16" fuses.
HPS-RR ^{†1}	30 ²	600	KTK-R, LP-CC, FNQ-R Class CC fuses.

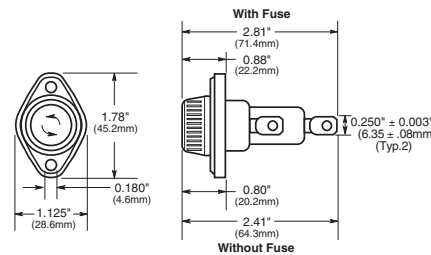
^{*}-EE, -JJ, -FF and -RR versions are UL Recognized for applications requiring branch circuit protection.

[†] No CSA Certification

² 20A max when used with quick-connect terminals.

³ HPS rated at 250V for CSA

Dimensions - in (mm)



Data Sheet: 2113

HPG



HPD



Specifications

Description: Standard fuse holders with **bayonet-type knob** for 1 3/32" x 1 1/2" fuses.

Dimensions: See Dimensions illustrations.

Agency Information: CE, UL Recognized, (Guide IZLT2, File E14853).

Flammability Rating: UL 94V0 - fuse holder body UL 94HB - Knob.

Catalog Numbers

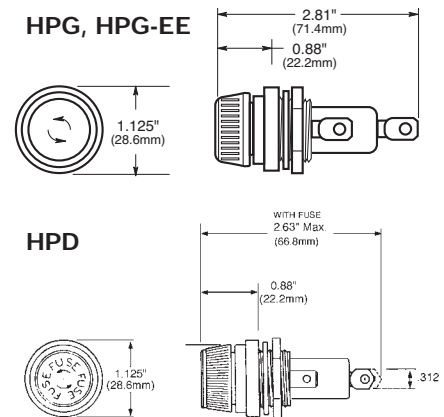
Catalog Numbers	Amp Ratings	Volts	Fuse Description
HPG [*]	30 ¹	600	1 3/32" x 1 1/2" fuses
HPG-EE [*]	15	600	SC 0-15, 1 3/32" x 1 5/16" fuses.
HPD ^{**}	30 ¹	600	1 3/32" x 1 1/2" fuses

¹ 20A max when used with quick-connect terminals.

^{*}HPG and HPG-EE has combination 1/4" quick-connect/solder terminals on both side (load) and rear (line) terminals.

^{**}HPD has combination 1/4" quick-connect/solder terminal on side (load) terminal only. Rear (line) terminal is 3/8" shorter than HPG. Rear terminal solder only.

Dimensions - in (mm)



Data Sheet: 2108

Panel Mounted Fuse Holders for $1\frac{3}{32}$ " x $1\frac{1}{2}$ " Fuses

HPM



Specifications

Description: Standard fuse holder with **screw-type knob** for $1\frac{3}{32}$ " x $1\frac{1}{2}$ " fuses.

Dimensions: See Dimensions illustration.

Ratings:

Volts: — 600Vac/dc

Amps: — 30A¹

¹ 20A max when used with quick-connect terminals.

Agency Information: CE, UL Recognized, Guide IZLT2, File E14853; CSA Certified, Class 6225-01, File 47235.

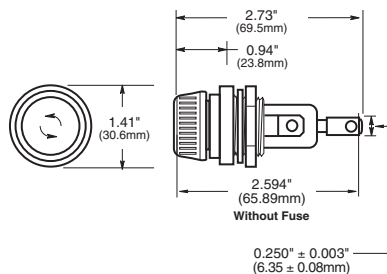
Flammability Rating: UL 94HB.

Catalog Numbers

Catalog Numbers	Description
HPM	$\frac{1}{4}$ " quick-connect/solder
HPM-D	Splash-resistant knob ²

² HPM-D has $\frac{1}{4}$ " quick-connect/solder terminal on rear (load) terminal only. The side (line) terminal is $\frac{1}{4}$ " quick-connect only.

Dimensions



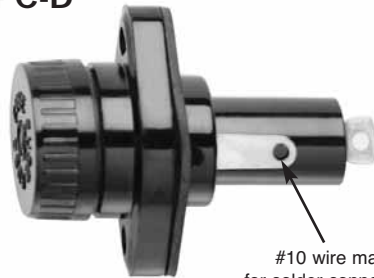
Nut Torque: 30 lb-in.

Replacement Knob:

Catalog Number: BK/9789-Y2
(50 pieces)

Data Sheet: 2112

HPC-D



#10 wire max for solder connection

Specifications

Description: Fuse holder with **screw-type knob** for $1\frac{3}{32}$ " x $1\frac{1}{2}$ " fuses. Supplied with O-ring and panel gasket.

Dimensions: See Dimensions illustration.

Ratings:

Volts: — 600Vac/dc

Amps: — 30A¹

¹ 20A max when used with quick-connect terminals.

Agency Information: CE, UL Recognized, Guide IZLT2, File E14853.

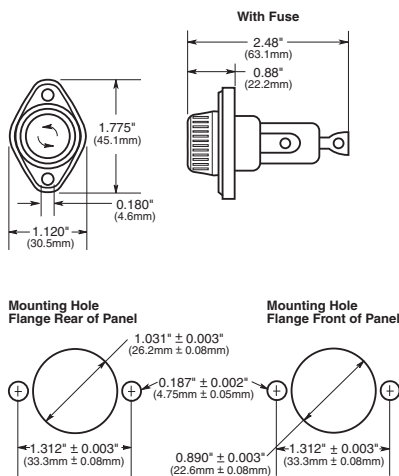
Flammability Rating: UL 94HB.

Catalog Numbers

Catalog Number	Description
HPC-D	Mount in panels up to $\frac{1}{4}$ " thick.

Replacement knob - BK/9987SA

Dimensions



Data Sheet: 2109

HPS2



Specifications

Description: For fuse size $1\frac{3}{32}$ " x $1\frac{1}{2}$ ", meeting UL 1598 requirement that both poles be removed simultaneously.

Dimensions: See Dimensions illustration.

Ratings:

Volts: — 600V@30A

Amps: — 0-30A¹

¹ 20A max when used with quick-connect terminals.

Agency Information: UL 4248 recognized, (Guide IZLT2, File E14853), CSA certified: (Class 6225-01, File 47235).

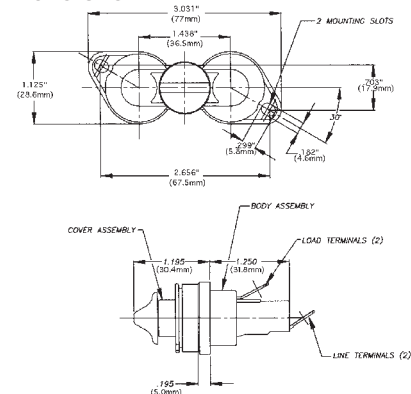
Flammability Rating: UL 94V0.

Terminals: $\frac{1}{4}$ " quick-connect/solder.

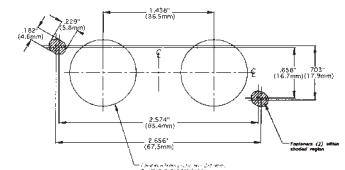
Catalog Numbers

Catalog Numbers	Description
HPS2	Standard 10-in carton
BK/HPS2	Bulk 100-in carton

Dimensions



Panel Mount Hole Dimensions



Data Sheet: 2140

Fuse Blocks for 1/4" x 1 1/4" Fuses

Series 8000



Specifications

Description: Bolt-in and snap-in mounting for 1/4" x 1 1/4" fuses.

Construction: Blocks are molded flame retarded thermoplastic. Clips are spring-bronze.

Ratings:

Volts: — 300V
Amps: — 25A (See Catalog Numbers table)

Agency Information: CE, UL Recognized ; File E14853, Guide IZLT2, CSA Certified Class 6225-01, File 47235.

Anti-Rotation Pin: Single-pole blocks may be ordered without the anti-rotational pin simply by adding an "X" to the number of poles (Example: BK/S-8000-1X).

Carton Quantity: 10; shelf package: 100.

Bulk Carton: Single-pole and 2-pole fuse blocks – 1,000; Multiple-pole fuse blocks – 3- to 8-pole: 200; 9- to 12-pole: 50. When ordering bulk quantities, prefix "BK/" to catalog number: (Example: BK/S-8001-1-SNP).

Catalog Numbers

Bolt-in Mounting

Basic Catalog Numbers	Series	Terminal	Angle	Agency Maximums	Poles (Suffix)
S-8001-	8000	Solder	0°	UL 25A	1 - 12
S-8002-			40°	CSA 21A	
S-8101-	8100	3/16" Quick Connect	0°	UL 20A	
S-8102-			40°	CSA 13A	
S-8201-	8200	1/4" Quick Connect	0°	UL 20A	
S-8202-			40°	CSA 16A	
S-8203-			Side		
S-8301-	8300	Screw	—	UL 30A CSA 25A	

Snap-in Mounting

Catalog Numbers	Series	Terminal	Angle	Agency Maximums	Poles (Suffix)
S-8001-1-SNP	8000	Solder	0°	UL 25A	Available only in single pole
S-8002-1-SNP			40°	CSA 21A	
S-8101-1-SNP	8100	3/16" Quick Connect	0°	UL 20A	
S-8102-1-SNP			40°	CSA 13A	
S-8201-1-SNP	8200	1/4" Quick Connect	0°	UL 20A	
S-8203-1-SNP			Side	CSA 16A	

Catalog Number Build-A-Code

Catalog Code
BK/ S-8 0 00 -00
Prefix for Bulk Packing
Series 8000 Product Line
Type Terminal
"0" - Solder
"1" - 3/16" Quick Connect
"2" - 1/4" Quick Connect
"3" - Screw
Terminal Angle
"01" - straight (0°)
"02" - 40°
"03" - side*
Number of Poles (1-12)



Data Sheet: 2101

*Available only in single pole

Single-Pole Fuse Blocks

Specifications

Description: Single-pole fuse block for 1/4" x 1 1/4" (6.4 x 31.8mm) size fuses.

Dimensions: See Dimensions illustrations.

Construction: Bakelite base width 1/2" (12.7mm); spring-bronze, bright tin-lead plate clips.

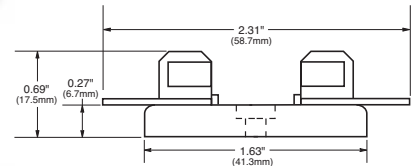
Ratings:

Volts: — 250V
Amps: — 30A



4405 - 0° Solder terminals with integral terminal and clip

Dimensions - in (mm)

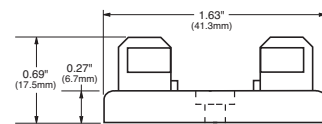


4406 - Side solder terminal



4574 - Spare fuse block

Dimensions - in (mm)

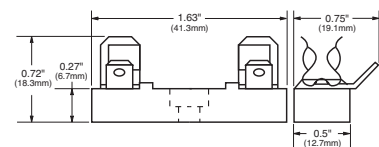


2499 - Side quick-connect

Agency Information: UL Recognized, Guide IZLT2, File E14853

Terminals: 1/4" (6.4mm); 15A, 250V

Dimensions - in (mm)



Note: Mounting screw hole diameter is 0.147" (3.7mm). Counterbore diameter, 0.636" (8.0mm). Max Mounting Screw No. 6.

Fuse Blocks for 1/4" x 1" Fuses

3828 Series



Specifications

Description: Fuse block for 1/4" x 1" (6.4 x 25.4mm) fuses with solder terminals.

Dimensions: See Dimensions illustration.

Ratings:

Volts: — 250V

Amps: — 30A

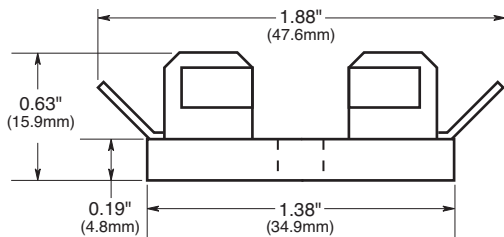
Mounting: Mounting screw hole diameter is 0.147" (3.7mm), diameter. Max mounting screw No. 6.

Catalog Numbers

Catalog Numbers	Poles	*Base Length - In (mm)
3828-1	1	1/2 (12.7)
3828-2	2	1 1/8 (28.6)
3828-3	3	1 3/4 (44.5)
3828-4	4	2 3/8 (60.3)
3828-5	5	3 (76.2)
3828-6	6	3 3/8 (92.1)
3828-7	7	4 1/4 (108.0)
3828-8	8	4 7/8 (123.8)
3828-10	10	6 1/8 (155.6)
3828-12	12	7 3/8 (187.3)

*Small phenolic base, base width 1 3/8" (34.9mm)

Dimensions - in (mm)



4520 and 4393



Specifications

Description: Single-pole fuse block for 1/4" x 1" fuses.

Dimensions: See Dimensions illustrations.

Construction: Bakelite with 1/2" (12.7mm) width base. Spring-bronze, bright tin-lead plated clips.

Ratings:

Volts: — 250V

Amps: — 30A

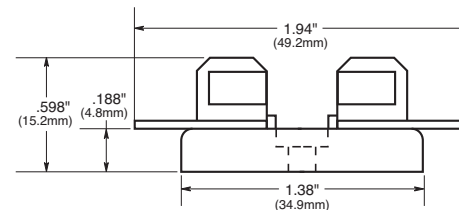
Mounting: Mounting screw hole diameter is 0.147" (3.7mm), counterbore 0.636" (8.0mm) diameter. Max mounting screw No. 6.

Catalog Numbers

Catalog Numbers	Description
4520	Integral clip and straight solder terminals
4393	Spare fuse block

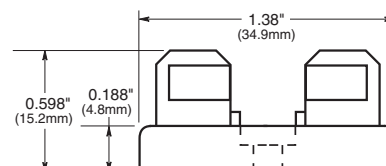
No. 4520 - Integral clip and straight solder terminals

Dimensions - in (mm)



No. 4393 - Spare fuse block

Dimensions - in (mm)



Blocks for $1\frac{3}{32}$ " X $1\frac{1}{2}$ " Fuses

3743



Specifications

Description: Add-on fuse blocks for $1\frac{3}{32}$ " X $1\frac{1}{2}$ " (10.3 X 38.1mm) fuses. Single pole blocks lock into each other and can be added at any time. Each has a single end barrier.

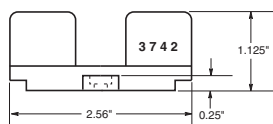
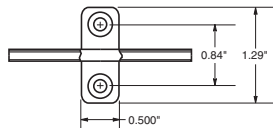
Dimensions: See Dimensions illustration.

Ratings:

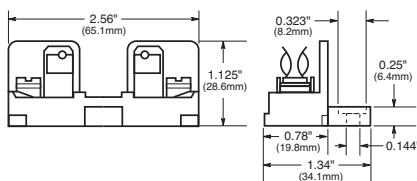
Volts: — 600Vac/dc

Amps: — 30A

Agency Information: CE, UL
Recognized Guide IZLT2, File E14853.



3742—End Barrier Only



3723—Block and end barrier marking strip. Length is $9\frac{3}{8}$ " (23.8cm).

Note: Mounting screw hole is 0.147" (3.7mm) dia. Counterbore, 0.636" (8mm) dia. Max. mounting screw No. 6.

3835 Series



Specifications

Description: Multiple pole fuse blocks for $1\frac{3}{32}$ " X $1\frac{1}{2}$ " (10.3 X 38.1mm) fuses.

Dimensions: See Dimensions illustration.

Ratings:

Volts: — 250Vac/dc

Amps: — 30A

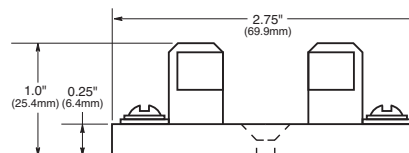
Agency Information: CE

Catalog Numbers

Catalog Numbers	Poles	Base* Width In (mm)
3835-1	1	$2\frac{1}{32}$ (21.4)
3835-2	2	$1\frac{1}{8}$ (46.0)
3835-3	3	$2\frac{25}{32}$ (70.6)
3835-4	4	$3\frac{3}{8}$ (95.2)
3835-5	5	$4\frac{23}{32}$ (119.9)
3835-6	6	$5\frac{1}{16}$ (144.5)
3835-7	7	$6\frac{21}{32}$ (169.0)
3835-8	8	$7\frac{5}{8}$ (193.7)
3835-9	9	$8\frac{1}{2}$ (218.8)
3835-10	10	$9\frac{9}{16}$ (242.9)
3835-12	12	$11\frac{1}{8}$ (292.1)

*Base length: $2\frac{3}{8}$ " (69.9mm)

Dimensions



Note: Mounting screw hole diameter is 0.148" (3.7mm). Countersink, 0.313" (7.9mm). Max. mounting screw No. 6.

4421 and 4515



Specifications

Description: Single pole fuse blocks for $1\frac{3}{32}$ " X $1\frac{1}{2}$ " (10.3 X 38.1mm) fuses.

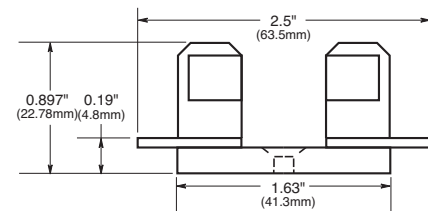
Dimensions: See Dimensions illustration.

Ratings:

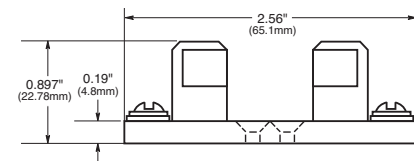
Volts: — 250Vac/dc (or less)

Amps: — 30A

Agency Information: CE



4421—Solder Terminals
Base width $\frac{5}{8}$ " (15.9mm)



4515—Screw Terminals
Base width $\frac{3}{4}$ " (19mm)

Note: Mounting screw hole diameter is 0.147" (3.7mm). Countersink, 0.312" (7.9mm). Max. mounting screw No. 6.

Rail Mount Fuse Blocks and Holders

NDNF1-WH

Specifications

Description: Fuse holding rail mount terminal block.

Circuit Jumper: JF1, 2 circuits

Fuse Size: 1³/₂" X 1¹/₂"* (KTK, FNQ).

Poles: 1

Wire Range: AWG #8-22 Cu.

Ratings:

Volts: — 600V

Amps: — 30A

Mounting Options: 35mm DIN rail, C-rail

Fuse Pullers: • PF1 (standard)
• neon or incandescent bulb

*LPF1 (lighted neon or incandescent bulb).

Torque Rating: 18 lb-in

Operating Temperature: 105°C

Agency Information: CSA File 15364

Catalog Numbers

Catalog

Number	Color
NDNF1-WH	White

Fuse Pullers (Optional): PF1

Lighted neon or incandescent lamp:

Catalog

Numbers	Voltage
LPF1-24	24
LPF1-120	120
LPF1-120-C	120
LPF1-220	220
LPF1-440	440



NDNLF1-WH

Specifications

Description: Rail mount fuse holder.

Circuit Jumper: JF1, 2 circuits.

Fuse Size: 1/4" X 1 1/4" (Cooper Bussmann AGC, MDL or equivalent).

Poles: 1

Wire Range: AWG #8-22 Cu.

Ratings:

Volts: — 600V

Amps: — 30A (NDNDF1 non-fused)

— 15A (NDNDF1, 600V/CSA, fused)

— 15A (NDNLF1*fused, indicating)

*WH24 - 24V White, WH-90Vdc-600Vdc, 115Vac-600Vac White

Agency Information: CE, UL E62622; CSA LR15364.

Mounting Options: 35mm DIN rail, C-rail

Marking Tape: MT12-1-2

Torque Rating: 18 lb-in

Operating Temperature: 105°C

Agency Information: CSA File 15364

Catalog Numbers

Catalog

Number	Color	Indicator
NDNDF1-WH	White	NO
NDNLF1-WH	White	90Vdc-600Vdc 115Vac-600Vac
NDNLF1-WH 24	White	24V





Power Distribution Blocks
New 1000Vdc Finger-Safe Designs
with High SCCRs Help Improve Safety,
Assembly Ratings and Ease Code
Compliance

HPS Fortress™ Commercial Encapsulated Transformers

Features

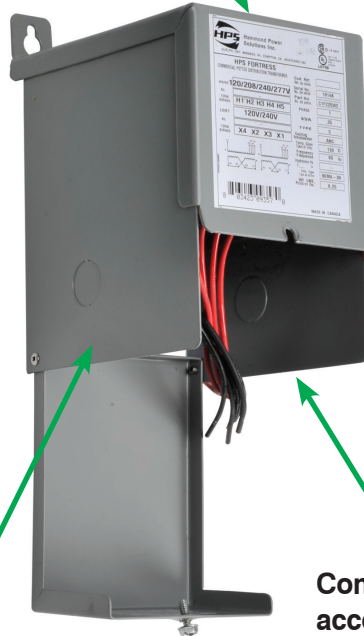
Totally enclosed to seal out moisture and airborne contaminants

Easily accessible nameplate

Installation is made quick and easy with keyhole mounting slots



All units are encapsulated with an electrical grade silica sand and resin compound



NEMA 3R enclosure meets or exceeds listing criteria including NEMA and ANSI standards for indoor and outdoor applications



Conduit knockouts and an easily accessible wiring compartment



Voltage Regulation

Voltage regulation in transformers is the difference between the “No-Load voltage” and the “Full-Load voltage”. This is expressed in terms of percentage.

$$\text{Regulation Percentage} = \frac{E_{\text{No-Load}} - E_{\text{Full Load}}}{E_{\text{Full Load}}} (100\%)$$

The secondary voltage (nominal) listed in these pages are at Full-Load, meaning the point at which the transformer is operating at maximum permissible secondary current. No-Load voltage can increase 6 to 10% max.

Warning: Secondary voltages of transformers may damage some loads. For example, a transformer connected as 480/120 Volt but applied 495 Volt primary can produce at No-Load a voltage of 134 Volts which will damage the inputs of a PLC D0-06AA, whose maximum input voltage is 132 Volt. Notice that the current of D0-06AA input is 10mA, making it very close to No-Load.

HPS Fortress™ Commercial Encapsulated Transformers

Primary 480 x 240 VAC

Secondary 240 x 120 VAC

Features

- **Ratings:** Single phase from 0.50kVA to 25kVA; 60 Hz
- **Electrostatic Shield:** Standard on all single phase units 0.75kVA and larger
- **Quality Design:** All units are encapsulated with electrical grade silica sand and resin compounds which completely enclose the core and coil to seal out moisture, airborne contaminants and eliminates corrosion and deterioration.
- **Insulation:** Offering UL class 130°C (266°F) insulation, 95°C (203°F) temperature rise up to 1kVA on single phase; 180°C (356°F) insulation, 135°C (275°F) temperature rise on all units over 1kVA on single phase. Quiet operation with sound levels below NEMA standards.
- **Enclosures:** NEMA 3R enclosures meet or exceed listing criteria including NEMA, ANSI, and OSHA standards for indoor and outdoor service.

- To provide NEMA 3R protection (protection from falling rain), the transformer must be mounted vertically with the mounting tabs facing up.
- Rear and side entry conduit knockouts into an easily accessible and roomy wiring compartment.
- Color is ANSI 61 gray, UL50
- Taps are convenient to select output voltage.
- **Wiring compartment:** Provides tinned copper lead wire terminations up to 5kVA, terminal pad termination on 7.5KVA and larger and standard ground lug assembly for easy cable installation.
- Output voltage adjustable by taps.
- **Temperature Range:** -20°C (-4°F) to average ambient temperature 30°C (86°F), not to exceed 40°C (104°F)

- **Installation made quick and easy:** All encapsulated transformers are designed for wall mounting and include keyhole mounting slots.
- **10 year warranty** (limited to mfg. defects)

Agency Approvals

- UL Listed File No. E50394 (Type Q)
- CSA File No. LR3902 (Type Q)
- CE (up to 10 kVA)
- RoHS



C1FC50LE



C1F1C5LES



C1F005LES

HPS Fortress 480x240/240x120 Encapsulated Transformer Specifications									
Part Number	Price	kVA Rating	Primary Voltage (60Hz)	Secondary Voltage (Nominal)	Output Current (Amps) 120/240	Impedance %		Total Heat Dissipation (Watts)*	Product Wt/Lbs
						VA	%z		
C1FC50LE	\$104.50	0.50	240x480	120x240	4.17/2.08	500	7.6	35.8	15.0
C1FC75LES	\$130.75	0.75			6.25/3.13	750	5.6	57.2	18.0
C1F1C0LES	\$157.75	1.0			8.33/4.17	1000	4.8	75.3	22.0
C1F1C5LES	\$188.50	1.5			12.5/6.25	1500	4.1	100.0	25.0
C1F002LES	\$233.75	2.0			16.7/8.33	2000	4.3	121.6	40.0
C1F003LES	\$289.00	3.0			25.0/12.5	3000	3.7	160.8	55.0
C1F005LES	\$414.00	5.0			41.7/20.8	5000	4.2	314.0	88
C1F007LES	\$627.00	7.5			62.5/31.3	7500	3.6	402.0	145
C1F010LES	\$723.75	10			83.3/41.6	10000	3.7	525.0	165
C1F015LES**	\$931.75	15			125/62.5	15000	2.4	585.0	286
C1F025LES**	\$1,146.00	25			208.3/104.2	25000	2.0	838.0	346

* Heat dissipation calculated based on full rated load on transformer.

** Not CE

HPS Fortress™ Commercial Encapsulated Transformers

Primary 480 x 240 VAC

Secondary 240 x 120 VAC

Dimensions

Figure A - 500VA to 3kVA

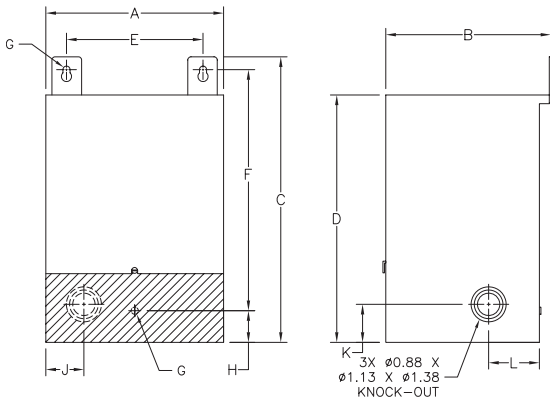
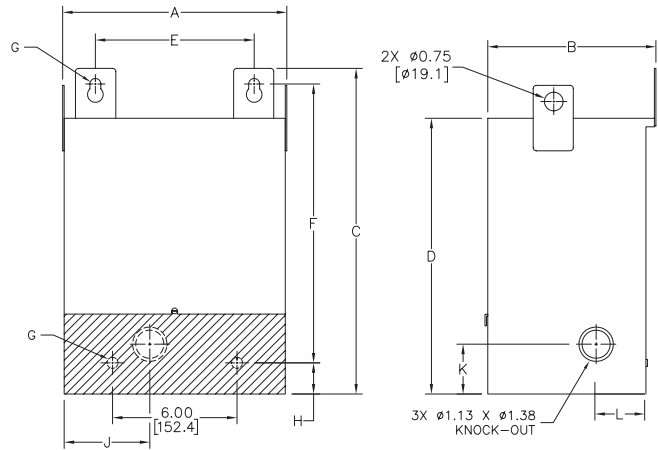


Figure B - 5kVA to 25kVA



* Front bottom panel is hinged for access to terminals, shaded areas show view of rear mounting holes and knockout.

Dimensions inches [mm]

HPS Fortress 480x240/240x120 Encapsulated Transformer Dimensions													
Part Number	Mtg. Fig.	Overall Dimensions in (mm)				Mounting Holes in (mm)		Mtg. Hole Dia. in (mm)	Knock Out Dimensions in (mm)				Rear Mtg. Holes in (mm)
		A	B	C	D	E	F	G	H	J	K	L	M
C1FC50LE	A	5.00 (127.0)	4.75 (120.7)	9.25 (235.0)	8.25 (209.6)	3.88 (98.6)	7.75 (196.9)	0.22 (5.6)	1.25 (31.8)	1.00 (25.4)	1.50 (38.1)	2.00 (50.8)	N/A
C1FC75LES	A	5.00 (127.0)	4.75 (120.7)	9.25 (235.0)	8.25 (209.6)	3.88 (98.6)	7.75 (196.9)	0.22 (5.6)	1.25 (31.8)	1.00 (25.4)	1.50 (38.1)	2.00 (50.8)	
C1F1C0LES	A	5.88 (149.4)	5.50 (139.7)	10.50 (267.0)	8.50 (215.9)	4.13 (104.9)	8.25 (209.6)	0.28 (7.1)	1.25 (31.8)	1.25 (31.8)	1.50 (38.1)	2.00 (50.8)	
C1F1C5LES	A	5.88 (149.4)	5.50 (139.7)	10.50 (267.0)	8.50 (215.9)	4.13 (104.9)	8.25 (209.6)	0.28 (7.1)	1.25 (31.8)	1.25 (31.8)	1.50 (38.1)	2.00 (50.8)	
C1F002LES	A	7.00 (177.8)	6.50 (165.1)	11.25 (285.8)	9.75 (247.7)	5.38 (136.7)	9.50 (241.3)	0.28 (7.1)	1.25 (31.8)	1.50 (38.1)	1.50 (38.1)	2.00 (50.8)	
C1F003LES	A	7.00 (177.8)	6.50 (165.1)	11.25 (285.8)	9.75 (247.7)	5.38 (136.7)	9.50 (241.3)	0.28 (7.1)	1.25 (31.8)	1.50 (38.1)	1.50 (38.1)	2.00 (50.8)	
C1F005LES	B	10.00 (254.0)	7.75 (196.9)	17.25 (438.2)	15.25 (387.4)	7.38 (187.5)	15.38 (390.7)	0.44 (11.2)	1.25 (31.8)	4.00 (101.6)	2.00 (50.8)	2.00 (50.8)	6.00 (152.4)
C1F007LES	B	12.25 (311.2)	9.25 (234.9)	17.63 (447.8)	15.56 (395.2)	9.38 (238.3)	14.88 (377.9)	0.44 (11.2)	2.00 (50.8)	5.00 (127.0)	2.00 (50.8)	2.00 (50.8)	8.00 (203.2)
C1F010LES	B	12.25 (311.2)	9.25 (234.9)	20.88 (530.4)	18.88 (479.6)	9.38 (238.3)	18.13 (460.5)	0.44 (11.2)	2.00 (50.8)	5.00 (127.0)	2.00 (50.8)	2.00 (50.8)	8.00 (203.2)
C1F015LES	B	14.50 (368.3)	10.75 (273.1)	21.38 (543.1)	19.38 (492.3)	11.63 (295.4)	18.63 (473.2)	0.44 (11.2)	2.00 (50.8)	6.00 (152.4)	2.00 (50.8)	2.00 (50.8)	10.00 (254.0)
C1F025LES	B	14.50 (368.3)	10.75 (273.1)	27.38 (695.5)	24.88 (631.9)	11.13 (282.7)	24.50 (622.3)	0.56 (14.2)	2.00 (50.8)	6.00 (152.4)	2.00 (50.8)	2.00 (50.8)	10.00 (254.0)

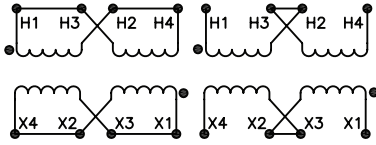
Note: All dimensions have a tolerance of ±0.06 inches unless otherwise noted.
 To provide NEMA 3R protection (protection from falling rain), the transformer must be mounted vertically with the mounting tabs facing up.
 Additional information in installation insert.

HPS Fortress™ Commercial Encapsulated Transformers

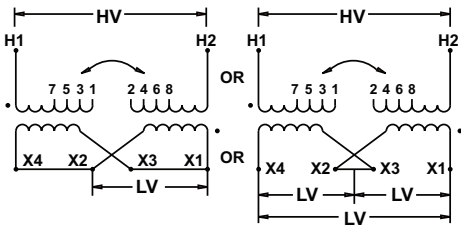
Primary 480 x 240 VAC

Secondary 240 x 120 VAC

Wiring Diagram - For 500VA to 5kVA

SCHEMATIC		CONNECTIONS		
240 VAC	480 VAC	Primary Volts	Connect lines to	Inter-connect
		480	H1, H4	H2-H3
		240	H1, H4	H1-H3, H2-H4
		Secondary Volts	Connect lines to	Inter-connect
		240	X1, X4	X2-X3
		120/240	X1, X2, X4	X2-X3
		120	X1, X2	X2-X4, X1-X3
120 VAC	240 VAC			

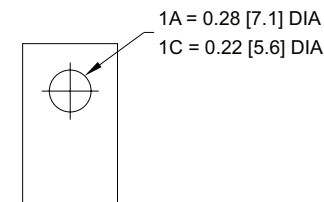
Wiring Diagram - For 7.5kVA to 25kVA

SCHEMATIC		CONNECTIONS		
		Primary Volts	Connect lines to	Inter-connect
		504	H1, H2	1-2
		492	H1, H2	2-3
		480	H1, H2	3-4
		468	H1, H2	4-5
		456	H1, H2	5-6
		444	H1, H2	6-7
		432	H1, H2	7-8
		240	H1, H2	H1-2, H2-1
		228	H1, H2	H1-4, H2-3
		216	H1, H2	H1-6, H2-5
			H1, H2	H1-8, H2-7
		Secondary Volts	Connect lines to	Inter-connect
		240	X1, X4	X2- X3
		120	X1, X2	X2-X4, X1-X3
		120/240	X1, X2, X4	X2-X3

Termination*		
Part No.	HV	LV
C1FC50LE	#18 AWG Leads	#18 AWG Leads
C1FC75LES	#18 AWG Leads	#14 AWG Leads
C1F1C0LES	#18 AWG Leads	#14 AWG Leads
C1F1C5LES	#14 AWG Leads	#14 AWG Leads
C1F002LES	#14 AWG Leads	#14 AWG Leads
C1F003LES	#14 AWG Leads	#14 AWG Leads
C1F005LES	#14 AWG Leads	#12 AWG Leads
C1F007LES	#12 AWG Leads	Terminal Pad 1C
C1F010LES	#10 AWG Leads	Terminal Pad 1C
C1F015LES	#8 AWG Leads	Terminal Pad 1A
C1F025LES	#6 AWG Leads	Terminal Pad 1A

* Transformers are provided with copper leads or copper terminal pads.

Terminal Pad Diagram



Dimensions inches [mm]

Control Transformer Selection

Control transformer selection

To select the proper transformer, you must first determine three characteristics of the load circuit. They are: total steady-state (sealed) VA, total inrush VA, and inrush load power factor.

Total steady-state “sealed” VA is the total amount of VA that the transformer must supply to the load circuit for an extended length of time. Calculate by adding the total steady-state VA of all devices in your control circuit. (*The operating VA data for the devices should be available from the manufacturers.*)

The inrush VA is the amount of VA that the transformer must supply for all components in the control circuit that are energized together. Consideration for the start-up sequence may be required. (*Inrush VA data should be obtained from the device manufacturers.*)

The inrush load power factor is difficult to determine without detailed vector analysis of all the control components. In the absence of such information, we recommend that a 40% power factor be utilized.

Six easy steps

Once the three load circuit variables have been determined, follow these steps to select the proper transformer.

1. Determine your primary (supply) and secondary (output) voltage requirements, as well as the required frequency (i.e. 60 Hz).
2. Calculate the total sealed VA of your circuit by adding the total sealed VA of all devices in the control circuit.
3. Calculate the inrush VA by adding the inrush VA of all components being energized together. Remember to add the sealed VA of all components that do not have inrush VA (lamps, timers, etc.), as they do present a load to the transformer during maximum inrush. If the inrush for your components is unknown, assume a 40% inrush power factor.
4. Calculate the total inrush VA using one of two methods:
Method B will result in slightly larger transformer selected.

$$\begin{array}{l}
 \text{A} \quad \frac{\text{Total Inrush VA} =}{\sqrt{(\text{VA sealed})^2 + (\text{VA inrush})^2}} \\
 \text{or} \\
 \text{B} \quad \frac{\text{Total Inrush VA} =}{\text{VA Sealed} + \text{VA Inrush}}
 \end{array}$$

5. If the nominal supply voltage does not fluctuate more than 5%, then reference the 90% secondary voltage column in the Regulation Data Table for the correct VA rating. If the supply voltage varies up to 10%, the 95% secondary voltage column should be used to size the transformer. The 85% secondary voltage column gives minimum values for proper electromagnetic device operation and should only be used as a reference.

6. Using the regulation data table below, select the appropriate VA rated transformer:
 - A. With a continuous VA rating that is equal to or greater than the value in Step 2.
 - B. With a maximum inrush VA equal to or greater than the value obtained in Step 4.

Note: See over-current protection chart for transformers at the end of this section.

HPS Imperator Transformer Regulation Data Table			
Continuous VA Transformer Nameplate	Inrush VA @ 40% Power Factor		
	85% Secondary Voltage	90% Secondary Voltage	95% Secondary Voltage
50	330	259	192
75	350	258	170
100	620	467	321
150	895	699	512
250	1596	1229	880
350	2464	1889	1345
500	3939	2854	1819
750	6422	4778	3228
1000	9842	7102	4530
1500	12797	9018	5489

Note: It is recommended that a control transformer be sized at a 40% power factor. Some components in a circuit, such as electromagnetic devices, typically operate at that level due to their inherently lower power factor. Selecting a transformer at 40% power factor will more than adequately size the unit for all the various loads in the circuit.

Voltage regulation in transformers is the difference between the “No-Load voltage” and the “Full-Load voltage”. This is expressed in terms of percentage.

$$\text{Regulation Percentage} = \frac{E_{\text{No-Load}} - E_{\text{Full Load}}}{E_{\text{Full Load}}} (100\%)$$

The secondary voltage (nominal) listed in these pages are at Full-Load, meaning the point at which the transformer is operating at maximum permissible secondary current. No-Load voltage can increase 4 to 6%.

Warning: Secondary voltages of transformers may damage some loads. For example, a transformer connected as 480/120 Volt but applied 495 Volt primary can produce at No-Load a voltage of 134 Volts which will damage the inputs of a PLC D0-06AA, whose maximum input voltage is 132 Volt. Notice that the current of D0-06AA input is 10mA, making it very close to No-Load.

Edison Power Distribution Blocks



Short-Circuit Current Rated Power Distribution Blocks

We offer distinctly different styles of short-circuit current rated Power Distribution Blocks and Terminal Blocks to match different application needs.

- 1) Enclosed style or Open style
- 2) UL1953 Listed power distribution blocks or UL1059 Recognized terminal blocks, that have different minimum spacing requirements.

The table below can assist in the selection of the correct series for your application requirements.

Why are these important?

Assembly short-circuit current ratings (SCCRs) are now required in the 2005 NEC® and UL508A Listed industrial control panels.

Marking the SCCR on:

- Industrial Control Panels (NEC® 409.110)
- Industrial Machinery Electrical Panels (NEC® 670.3(A))
- HVAC equipment (NEC® 440.4(B))

The above sections are now required by the National Electrical Code. Power Distribution Blocks or Terminal Blocks not marked with an SCCR are typically one of the weakest links and may limit an assembly to no more than 10 kA SCCR per Table SB4.1 UL508A. The EPDB series and HPB series Power Distribution Blocks have increased spacing required where used in feeder circuits in equipment listed to UL508A. The PB series UL1059 Terminal Blocks must be evaluated for proper spacing. Also, for building wiring systems, the EPDB series and HPB series power distribution blocks can be used to meet the 2005 NEC® requirements in section 376.56(B) for power distribution blocks in wireways.

Edison Power Distribution Blocks Selection Guide*								
Series	UL	† Enclosed	High SCCR**	Spacing*** 1" Air 2" Surface	Industrial Control Panels UL 508A Branch Circuit	Industrial Control Panels UL 508A Feeder Circuit	HVAC UL 1995	Wireways NEC® 376.56(B) (Requires UL 1953)
EPDB	UL 1953 Listed Power Distribution Blocks	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HPB	UL 1953 Listed Power Distribution Blocks	No****	Yes	Yes	Yes	Yes	Yes	Yes (with optional cover)
PB	UL 1059 Recognized Terminal Blocks	No****	Yes	No*****	Yes	No*****	Yes	No

† IP-20 finger-safe under specific conditions.

*Refer to specific UL standards and NEC sections for a complete application guide.

**When protected by proper fuse class with maximum ampere rating specified or smaller.

This does not apply to PB40, PB51 and PB71 series.

***See Minimum Space Requirements for Equipment table below.

****Optional covers are available. They are not IP-20 rated, but do provide additional protection against direct contact with Live Parts.

*****Exception: Yes, if single pole units installed with proper spacings.

Minimum Space Requirements for Equipment			
UL Standard	Spacing Between Live Parts of Opposite Polarity		Spacing Between Live Parts and Grounded Parts or Enclosures, Through Air and Over Surface @ 600V
	Through Air @ 600V	Over Surface @ 600V	
508A Feeder Circuits, Table 10.2	1"	2"	1"
508A Branch Circuits, Table 10.1	3/8"	1/2"	1/2"
UL 1995 HVAC	3/8"	1/2"	1/2"

Note: Refer to specific UL standards for complete spacing details.

HPB Series Edison Open-Style Power Distribution Blocks

Open-style power distribution blocks for cable termination

Edison open-style power distribution blocks are a convenient way to manage your power distribution needs. They are engineered to maintain a high SCCR rating of 200kA with copper conductors making these distribution blocks the ideal solution to today's power circuit wiring needs.



Features

- Suitable for industrial control panel applications requiring high SCCR ratings
- Suitable for installation in wireways (with optional cover, per NEC 376.56 (B))
- Has minimum spacing requirements at 600VAC/DC of at least 1" through air and 2" over surface which meets UL 1953 requirements
- Used in UL508A panels
- Meets UL508A requirements and can be used in feeder and branch circuit applications
- Tin-plated aluminum connectors suitable for copper conductors
- Available safety covers for greater protection (purchase separately)
- Suitable for both factory and field wiring
- Panel mounting

Ratings

- Ampere ratings up to 310 Amps
- 600 VAC or VDC
- Short Circuit Current Rating (SCCR) up to 200kA with proper fusing (See short circuit rating data table)
- Flammability: UL 94V0

Agency Approvals

- UL Listed - File E333541 Guide QPQS
- CE

Standards

- UL1953

Open-Style Power Distribution Blocks Selection Table							
Series	Part Number	Amps	Description	SCCR Rtg	Pcs/Pkg	Wt.	Price
HPB Series	HPB101-1	175 max	1 pole distribution block, 1 in/1 out	200kA	1	0.2 lb	\$11.50
	HPB101-3	175 max	3 pole distribution block, 1 in/1 out	200kA	1	0.8 lb	\$33.00
	HPB104-1	175 max	1 pole distribution block, 1 in/4 out	200kA	1	0.2 lb	\$16.00
	HPB104-3	175 max	3 pole distribution block, 1 in/4 out	200kA	1	0.8 lb	\$44.00
	HPB10S-1	175 max	1 pole distribution block, 1 in/stud out	200kA	1	0.6 lb	\$14.50
	HPB10S-3	175 max	3 pole distribution block, 1 in/stud out	200kA	1	1.0 lb	\$45.00
	HPB106-1	175 max	1 pole distribution block, 1 in/6 out	200kA	1	1.4 lb	\$17.50
	HPB106-2	175 max	2 pole distribution block, 1 in/6 out	200kA	1	0.2 lb	\$34.50
	HPB106-3	175 max	3 pole distribution block, 1 in/6 out	200kA	1	0.8 lb	\$51.00
	HPB306-1	310 max	1 pole distribution block, 1 in/6 out	200kA	1	0.7 lb	\$27.50
	HPB306-3	310 max	3 pole distribution block, 1 in/6 out	200kA	1	2.9 lb	\$78.00
	HPB309-1	310 max	1 pole distribution block, 1 in/9 out	200kA	1	0.8 lb	\$39.50
	HPB309-3	310 max	3 pole distribution block, 1 in/9 out	200kA	1	3.0 lb	\$114.00
	HPB312-1	310 max	1 pole distribution block, 1 in/12 out	200kA	1	0.8 lb	\$43.00
	HPB312-3	310 max	3 pole distribution block, 1 in/12 out	200kA	1	3.2 lb	\$127.00

Open-Style Power Distribution Block General Specifications	
Wire type	75°C* Copper
Voltage	600 VAC or VDC maximum
Mounting	Surface mount
*Note: Amp Rating based on NEC table 310.16 for 75°C copper wire.	

Optional Covers

Covers are ordered for each individual pole, i.e., three 1-pole covers for 3-pole block, see Table A. Except HPB106 blocks have one cover for 1-, 2-, or 3-pole versions, see Table B. (Shipped with mounting screws)

Table A	
Block	Cover
HPB1XX-(pole)	PBC21
HPB3XX-(pole)	PBC31

Table B	
Block	Cover
HPB106-1	PBC31
HPB106-2	PBC32
HPB106-3	PBC33



HPB104-1



HPB10S-3



HPB106-3



HPB309-1



HPB312-3

HPB Series Edison Open-Style Power Distribution Blocks

Edison Open-Style Power Distribution Blocks Wire and Torque Range Specifications								
Part Number	Line				Load			
	CU Wire Range	Torque Lb-in (Nm)	Trim Length in (mm)	Hex Key	CU Wire Range	Torque Lb-in (Nm)	Trim Length in (mm)	Hex Key
HPB101-1, HPB101-3	2/0 to 8 AWG 70 to 10 mm ²	110 (12.4)	0.700 (17.8)	3/16"	2/0 to 8 AWG, 70 to 10 mm ²	110 (12.4)	0.700 (17.8)	3/16" Hex
HPB104-1, HPB104-3	2/0 to 8 AWG 70 to 10 mm ²	120 (13.6)	0.670 (17.0)	3/16"	4 to 6 AWG, 25 to 16 mm ²	35 (4.0)	0.470 (11.9) top row, 0.780 (19.8) bottom row	Slot
					8 AWG, 10 mm ²	25 (2.8)		
					10 to 14 AWG, 6 to 2.5 mm ²	20 (2.3)		
HPB10S-1, HPB10S-3	2/0 to 8 AWG 70 to 10 mm ²	120 (13.6)	0.670 (17.0)	3/16"	N/A	50 (5.7)	N/A	1/4-20 Stud
HPB106-1, HPB106-2, HBP106-3	2/0 to 8 AWG 70 to 10 mm ²	120 (13.6)	0.700 (17.8)	3/16"	4 to 6 AWG, 25 to 16 mm ²	35 (4.0)	0.480 (12.2) top row, 0.800 (20.3) bottom row	Slot
					8 AWG, 10 mm ²	25 (2.8)		
					10 to 14 AWG, 6 to 2.5 mm ²	20 (2.3)		
HPB306-1, HPB306-3	350 kcmil to 4 AWG 185 to 25 mm ²	275 (31.1)	0.900 (22.9)	5/16"	4 to 6 AWG, 25 to 16 mm ²	35 (4.0)	1.00 (25.4) top row, 0.450 (11.43) bottom row	Slot
					8 AWG, 10 mm ²	25 (2.8)		
					10 to 12 AWG, 6 to 4 mm ²	20 (2.3)		
HPB309-1, HPB309-3	350 kcmil to 4 AWG 185 to 25 mm ²	275 (31.1)	0.900 (22.9)	5/16"	2 to 3 AWG, 35 mm ²	50 (5.7)	0.450 (11.4) top row, 0.630 (16.0) middle row, 0.920 (23.4) bottom row	Slot top row, Slot middle row, 3/16" Hex bottom row
					4 to 6 AWG, 25 to 16 mm ²	45 (5.1)		
					8 AWG, 10 mm ²	40 (4.5)		
					10 to 12 AWG, 6 to 4 mm ²	35 (4.0)		
HPB312-1, HPB312-3	350 kcmil to 4 AWG 185 to 25 mm ²	275 (31.1)	0.900 (22.9)	5/16"	4 to 6 AWG, 25 to 16 mm ²	35 (4.0)	0.450 (11.4) top row, 0.630 (16.0) middle row, 0.920 (23.4) bottom row	Slot
					8 AWG, 10 mm ²	25 (2.8)		
					10 to 14 AWG, 6 to 2.5 mm ²	20 (2.3)		

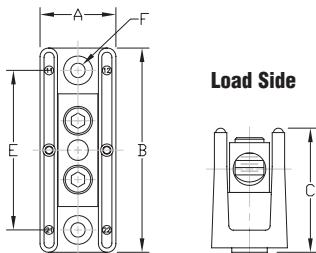
Short-Circuit Current Rating Data										
Part Number (All Single Pole)	Capacity*	Line		Load		Maximum Fuse Class and Amps**				
		Openings per Pole	Wire Range (copper only)	openings per Pole	Wire Range (copper only)	Class J(JDL)	Class T (A3T/A6T)	Class RK1 (LENRK/LESRK)	Class RK5 (ECNR/ECSR)	SCCR Rating
HPB101-1, HPB101-3	175 A	1	2/0 to 8 AWG 70 to 10 mm ²	1	2/0 to 8 AWG 70 to 10 mm ²	200	200	200	60	200kA
HPB104-1, HPB104-3	175 A	1	2/0 to 8 AWG 70 to 10 mm ²	4	4 to 12 AWG 25 to 4 mm ²	200	200	200	60	200kA
					14 AWG 2.5 mm ²	175	175	100	60	100kA
						200	200	100	60	50kA
HPB10S-1, HPB10S-3	175 A	1	2/0 to 8 AWG 70 to 10 mm ²	Stud	1/4-20 x 3/4 Stud	200	200	100	60	200kA
HPB106-1, HPB106-2, HBP106-3	175 A	1	2/0 to 8 AWG 70 to 10 mm ²	6	4 to 12 AWG 25 to 4 mm ²	400	400	200	100	200kA
						400	400	400	100	100kA
					14 AWG 2.5 mm ²	175	175	100	60	100kA
HPB306-1, HPB306-3	310 A	1	350 kcmil to 4 AWG 185 to 12 mm ²	6	4 to 8 AWG 25 to 10 mm ²	400	400	200	100	200kA
						400	400	400	100	100kA
					10 to 12 AWG 6 to 4 mm ²	175	175	100	60	100kA
HPB309-1, HPB309-3	310 A	1	350 kcmil to 4 AWG 185 to 12 mm ²	9	1/0 to 6 AWG 50 to 16 mm ²	400	400	200	100	200kA
						400	400	400	100	100kA
					8 to 12 AWG 10 to 4 mm ²	175	175	100	60	100kA
HPB312-1, HPB312-3	310 A	1	350 kcmil to 4 AWG 185 to 12 mm ²	12	4 to 8 AWG 25 to 10 mm ²	400	400	200	100	200kA
						400	400	400	100	100kA
					10 to 14 AWG 6 to 2.5 mm ²	175	175	100	60	100kA

*Amp ratings are based on NEC® Table 310.16 for 75°C copper wire and UL508A Table 28.1.
 **Class G 60A or less, or Class CC 30A or less fuses are suitable for all SCCRs in this table.

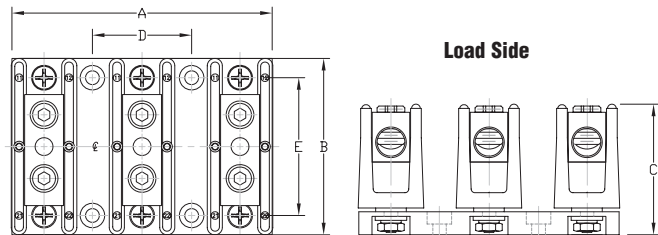
HPB Series Edison Open-Style Power Distribution Block Dimensions

Edison Open-Style Power Distribution Blocks Dimensions (in[mm])						
Part Number	Width	Length	Height	D	E	F
	A	B	C			
HPB306-3, HPB312-3, HPB309-3	6.00 [152.4]	5.50 [139.7]	3.70 [93.9]	3.25 [82.6]	4.75 [120.7]	0.22 [5.7]
HPB306-1, HPB312-1, HPB309-1	1.96 [49.8]	3.38 [85.9]	3.32 [84.3]	-	3.38 [85.8]	0.21 [2.5] x 0.41 [10.4]
HPB101-3, HPB104-3, HPB10S-3	4.27 [108.3]	2.88 [73.2]	2.13 [54.0]	1.62 [41.1]	2.25 [57.2]	0.22 [5.7]
HPB101-1, HPB104-1, HPB10S-1	1.07 [27.2]	2.88 [73.2]	1.75 [44.5]	-	2.25 [57.2]	0.20 [5.1]
HPB106-1	1.96 [49.8]	4.00 [101.6]	3.32 [84.3]	1.62 [41.1]	3.37 [85.6]	0.21 [2.5] x 0.41 [10.4]
HPB106-2	3.58 [90.9]	4.00 [101.6]	3.32 [84.3]	1.62 [41.1]	3.37 [85.6]	0.21 [2.5] x 0.41 [10.4]
HPB106-3	5.20 [132.1]	4.00 [101.6]	3.32 [84.3]	1.62 [41.1]	3.37 [85.6]	0.21 [2.5] x 0.41 [10.4]

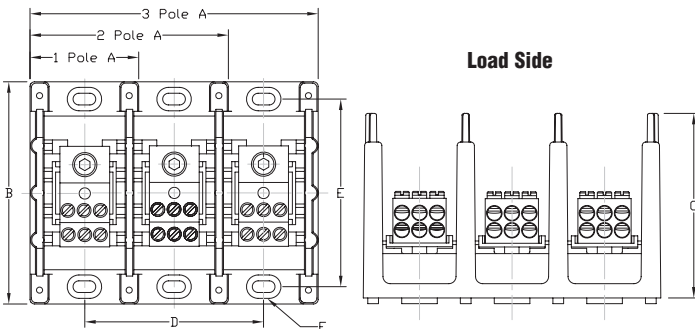
HPB101-1, HPB104-1, HPB10S-1



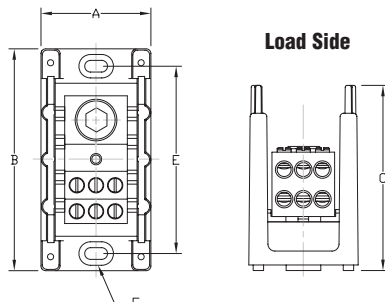
HPB101-3, HPB104-3, HPB10S-3



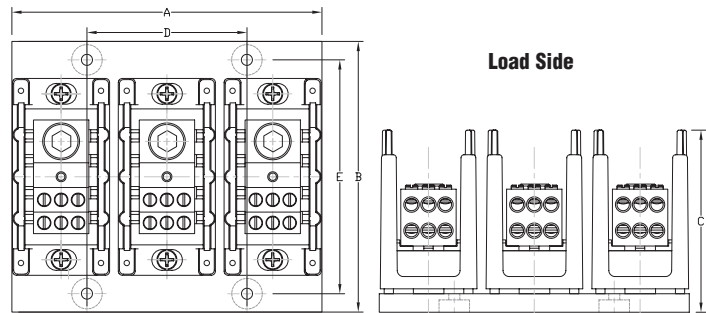
HPB106-1, HPB106-2, HPB106-3



HPB306-1, HPB312-1, HPB309-1



HPB306-3, HPB312-3, HPB309-3

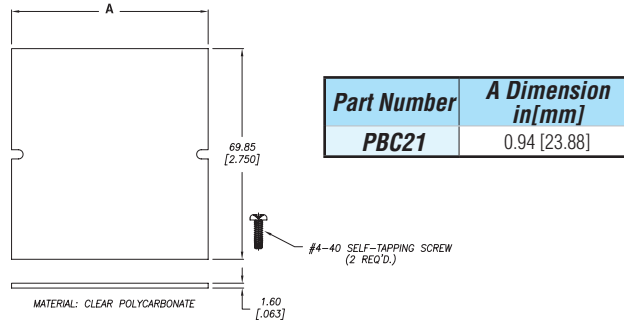


HPB Series Edison Open-Style Power Distribution Blocks Optional Covers

Covers

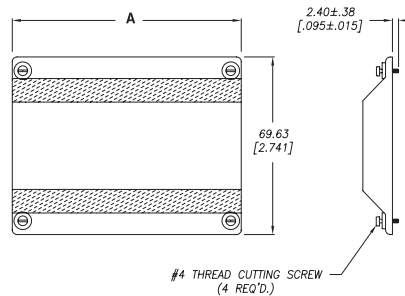
Optional Cover for HPB101-1, HPB101-3, HPB104-1, HPB104-3 HPB10S-1, HPB10S-3,

*Note: One PBC21 will be required for each pole.
For example the HPB101-1 will require 1 Qty.
HPB101-3 will require 3 Qty.*



Optional Cover for HPB306-1, HPB306-3, HPB309-1, HPB309-3, HPB312-1, HPB312-3

*Note: One PBC31 will be required for each pole.
For example the HPB306-1 will require 1 Qty.
HPB306-3 will require 3 Qty.*



Part Number	A Dimension in[mm]
PBC31	2.10 [53.34]
PBC32	3.72 [94.49]
PBC33	5.34 [135.64]

Optional Cover for HPB106-1 = PBC31 HPB106-2 = PBC32 HPB106-3 = PBC33

Note: Dimensions are in inches [millimeters]

Part Number	Minimum Enclosure Size*
HPB101-1, HPB101-3	16" x 16" x 6.75" [406.4 mm x 406.4 mm x 171.5 mm]
HPB104-1, HPB104-3	16" x 16" x 6.75" [406.4 mm x 406.4 mm x 171.5 mm]
HPB10S-1, HPB10S-3	16" x 16" x 6.75" [406.4 mm x 406.4 mm x 171.5 mm]
HPB106-1, HPB106-2, HPB106-3	24" x 20" x 6.76" [609.6 mm x 508mm x 171.5 mm]
HPB306-1, HPB306-3	24" x 20" x 6.76" [609.6 mm x 508mm x 171.5 mm]
HPB309-1, HPB309-3	24" x 20" x 6.76" [609.6 mm x 508mm x 171.5 mm]
HPB312-1, HPB312-3	24" x 20" x 6.76" [609.6 mm x 508mm x 171.5 mm]

**Power distribution blocks SCCR determined based on testing in minimum size enclosure.*



Company Information

Terminal Blocks

Power Distribution Blocks

Wiring Accessories

ZIPLink Connection System

Multi-wire Connectors

Sensor Cables and Connectors

M12 Junction Blocks

Panel Interface Connectors

Wiring Duct

Cable Ties

Wire

Bulk Multi-conductor Cables

Wire Management Products

Power Supplies

DC Converters

Transformers and Filters

Circuit Protection

Tools

Test Equipment

Enclosures

Enclosure Climate Control

Safety: Electrical Components

Safety: Protective Wear

Terms and Conditions

Edison Open-Style Power Distribution Blocks Quick Reference

Edison Power Distribution Blocks Quick Reference						
Openings per pole	Type	175 amps	310 amps	380 amps	570 amps	760 amps
1 in 1 out	Open UL1059	PB101x	NO	NO	NO	NO
	Open UL1953 Listed	HPB101-x	HPB101-x	NO	NO	NO
	Finger Safe UL1953 Listed	EPDB101	EPDB301	NO	NO	NO
1 in 1 stud out	Open UL1059	NO	NO	PB401x	NO	NO
	Open UL1953 Listed	HPB10S-x	NO	NO	NO	NO
	Finger Safe UL1953 Listed	NO	NO	NO	NO	NO
2 in 2 out	Open UL1059	NO	NO	NO	NO	NO
	Open UL1953 Listed	NO	NO	NO	NO	NO
	Finger Safe UL1953 Listed	NO	NO	NO	NO	EPDB702
1 in 4 out	Open UL1059	PB104x	NO	NO	NO	NO
	Open UL1953 Listed	HPB104-x	HPB104-x	NO	NO	NO
	Finger Safe UL1953 Listed	EPDB104	NO	NO	NO	NO
1 in 6 out	Open UL1059	NO	PB306x	NO	NO	NO
	Open UL1953 Listed	HPB106-x	HPB306-x	NO	NO	NO
	Finger Safe UL1953 Listed	NO	NO	EPDB306	NO	NO
1 in 9 out	Open UL1059	NO	NO	NO	NO	NO
	Open UL1953 Listed	NO	HPB309-x	NO	NO	NO
	Finger Safe UL1953 Listed	NO	NO	NO	NO	NO
1 in 12 out	Open UL1059	NO	PB312x	NO	NO	NO
	Open UL1953 Listed	NO	HPB312-x	NO	NO	NO
	Finger Safe UL1953 Listed	NO	NO	NO	NO	NO
2 in 12 out	Open UL1059	NO	NO	NO	PB512x	PB712x
	Open UL1953 Listed	NO	NO	NO	NO	NO
	Finger Safe UL1953 Listed	NO	NO	NO	EPDB512	NO

Overview

The GO switch pump protection and monitoring modules are designed to provide a low-cost, flexible solution for protecting HOMA submersible sewage pumps against thermal and seal-failure conditions. Separate LED indication and relay contact outputs for each function are included. Flexible model options enable protection of any submersible sewage pump with heat sensor and/or seal-failure sensing devices installed. The GO Switch may be powered by 24 through 240 VAC, 50/60 Hz with no modifications. Standard models are available for monitoring via resistance probes, seal-failure float switches, Klixon thermal switches, RTDs and thermistors. Custom modules may also be factory configured.

Operation Description

The GO Switch combines detection circuits for both motor and bearing over-temperature and seal-failure in a single plug-in unit. In an alert condition, the appropriate LED is illuminated and relay contacts associated with the condition toggle. Thus a load, such as the motor contactor, may be turned off, or a warning light might be turned on. Upon occurrence of the first alarm condition, the proper LED will illuminate a steady alarm indication. If the alarm is cleared automatically, the LED will then begin to flash, so that the operator will know that one or more alarm occurrences has been detected, and automatically cleared.

A low voltage supply provides power to the over-temperature and seal-failure monitoring circuits which control relay outputs based on instructions contained in a microprocessor. The microprocessor circuitry includes power-on-reset and oscillator start-up timers as well as an independent watchdog timer to ensure reliable operation. Both hardware and software filtering is implemented on the sensor inputs for reliable signal integrity in noisy environments.

A Test push button simulates faults on both sensor channels, and a Reset push button clears the alert indicators after (1) The Test push button has been depressed, or (2) an actual alert has been corrected. The Reset push button performs a "hard" microprocessor reset.

To prevent dislodgement of the module it is designed to be mounted in an industrial type 12-pin socket with hold down clip.

Model	Channel A	Channel B
GS1050	100K resistance probe (seal-fail)	NC Klixon (thermal)
GS1250	NC seal chamber float switch (seal-fail)	NC Klixon (thermal)
GS1010	100K resistance probe (seal-fail)	100K resistance probe (seal-fail)
GS1212	NC seal chamber float switch (seal-fail)	NC seal chamber float switch (seal-fail)
GS5454	Thermistor DIN44082/01D463 (thermal)	Thermistor DIN44082/01D463 (thermal)
GS1052	100K resistance probe (seal-fail)	Pt100 RTD (thermal)
GS1252	NC seal chamber float switch (seal-fail)	Pt100 RTD (thermal)
GS5252	Pt100 RTD (thermal)	Pt100 RTD (thermal)
GS5452	Thermistor DIN44082/01D463 (thermal)	Pt100 RTD (thermal)

Common Features (All Models)

- » **Auto/Manual Reset:** Channels that monitor temperature can be set for Manual or Auto reset after experiencing an alarm condition. (Seal failures automatically reset when the alarm condition is removed although the LED continues to flash until reset.)
- » **Reset Push-button:** The reset button is used to reset all alarm conditions and clear flashing LED states.
- » **Test Push-button:** The test button simulates an alarm condition in both channels until released. NOTE: In many cases, this will cause the pump to stop because of the simulated high temperature condition.



1. Select sensors to be provided

Available Sensors	Type	Designation
100kΩ Probe	Moisture	10
NC Float Switch*	Moisture	12
NC Thermal Switch	Thermal	50
Pt100 RTD**	Thermal	52
Thermistor	Thermal	54

2. Select GO Switches to be provided, each GO Switch can monitor up to 2 sensors

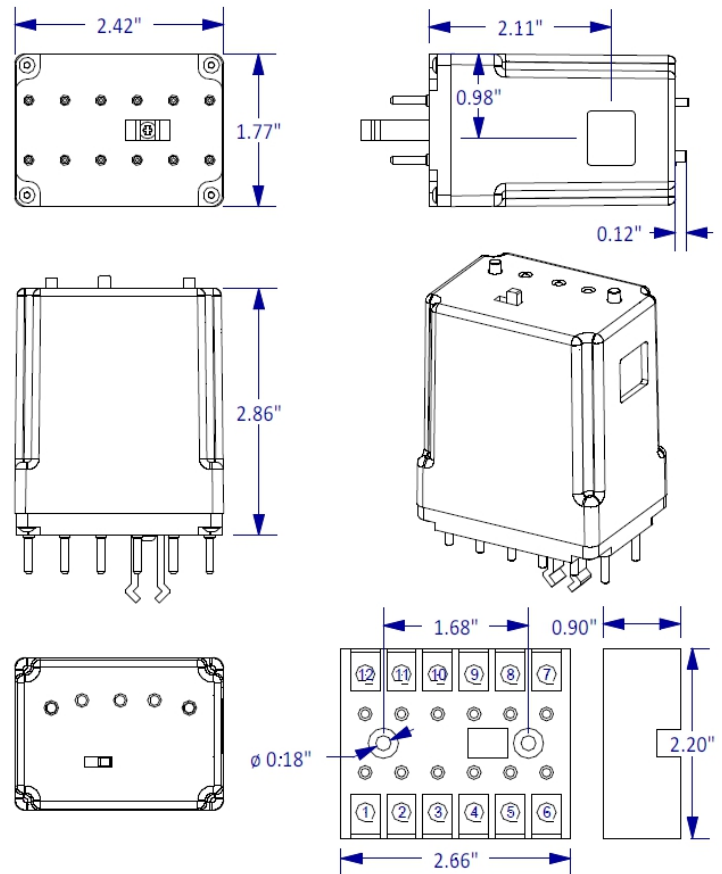
GO Switch Designation	Channel A	Channel B
GS1050	100kΩ Probe	NC Thermal Switch
GS1052	100kΩ Probe	Pt100 RTD**
GS1010	100kΩ Probe	100kΩ Probe
GS1250	NC Float Switch*	NC Thermal Switch

Note: Please consult factory for alternate configurations

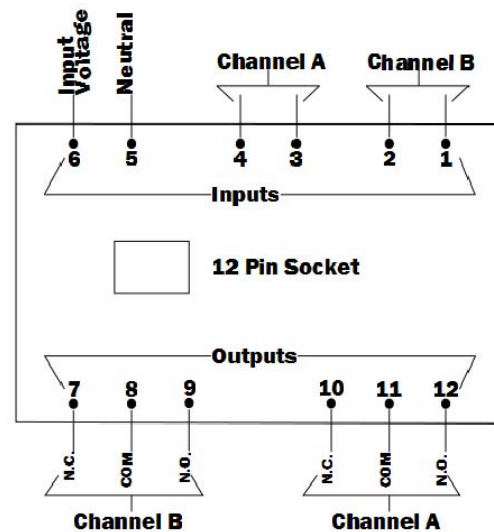
Technical Specifications

Measurement Principle	Current Sensing
Environment	-40 to 55 °C (-40 to 131 °F)
Supply Voltage	24-240 VAC, 50-60 Hz. / 24-48 VDC
Power Consumption	24 VAC - 50/60 Hz 1.7 VA
	120 VAC - 50/60 Hz 1.9 VA
	240 VAC - 50/60 Hz 2.4 VA
	24 VDC 1.4 Watts
Relay Contact Rating	NEMA B300 Pilot Duty, 1/6th HP, 3A @240VAC; Form C
Sensor Voltage	Varies with resistance. Not to exceed 10 VDC±2%
Contact States	N.O. contact closes on fault condition or on loss of supply power.
LED States (Both Channels)	GREEN: no fault
	RED: thermal fault
	AMBER: seal-fail fault
	FLASHING: fault automatically cleared

Relay/Socket Dimensions



Socket Electrical Wiring



On 1-wire seal-fail circuits attach Pin 4 to COMMON GROUND point with PUMP SAFETY GROUND WIRE



P U M P T E C H N O L O G Y

390 Birmingham Blvd. Ansonia, Connecticut 06401 203 736 8890 www.homapump.com PUB# BF1281-12



UL 98 Non-Fusible Disconnect Switches

UL 98 Non-Fused Switches

Mersen's non-fusible disconnect switches are listed to UL 98 and bear the CE mark as conformance to IEC 60947-3. They are "service entrance" devices that are capable of fully rated load-break and load-make. All switches over 100A have windows to provide visual indication of the contact status. Engineered to have the smallest footprint, these switches also employ a modular design that enables the handle to be placed amongst the poles or at the ends.

A wide range of ergonomic handles are available, as are all manner of accessories, to accommodate multiple applications.

Features/Benefits

- Service entrance rated
- Front or side operation
- Most compact size
- Internally mounted auxiliary contacts
- Flange mounting accessories

Applications:

- Service entrance or main panel disconnects
- "Make and break" power circuit applications on load
- Electrical isolation
- Safety switch

Catalog Number Designation

		M	200	U	3	0		
Switch	M = Mersen AC Switch							
Ampacity	16 to 1200							
Type	U = non-fused UL98							
Number of Poles/Left side of Handle	AC: 0, 1, 2, 3, 3N, 4, etc. (N = neutral)							
Number of Poles/Right side of Handle	AC: Blank = < 200A non-fused, 0, 1, 2, 3, 3N, 4, etc. (N = neutral)							
Revision	Blank = 0							
Special Configurations	S = side-operated							



Ratings UL:

- Volts** : 600VAC
- Amps** : 30A, 60A, 100A, 200A, 400A, 600A, 800A, 1200A
- SCCR** : Up to 200kA with fuses
Suitable as motor disconnect

Ratings IEC:

- Volts** : 690VAC
- Amps** : 125A, 160A, 200A, 250A, 315A, 400A, 600A, 800A, 1250A

Approvals:

- All UL switches meet the requirements of UL and CSA
- UL listed guide WHTY, File E191605 for UL 98 (ratings from 30 A to 1200 A)
- IEC 60947-3



ELECTRIC TRANSFORMERS POWER FOR YOUR SYSTEM



METH srl designs and manufactures electric transformers since 1980 focusing on the quality of its product performance, thanks to 30 years of experience in this business. Since 1998 multiple national and international certifications are the result of a continuous effort in updating our products to meet worldwide standards and requirements.

Meth is specialized in manufacturing **single-phase electric transformers from 3,2VA to 80kVA**, **three-phase transformers from 100VA to 1000kVA**, for applications in different fields from industrial to automation to photovoltaic to marine, **three-phase auto-transformers and three-phase reactors**.

Depending on the configuration, METH transformers bear the European or North American Approvals such as UL, KEMA and ENEC and Middle East Approvals (CoC - ex SASO). Meth experience and technology allow to develop and manufacture in a short time new products to meet any customers' requests and to improve new products programs.



QUALITY Meth Quality System, certified since 1998, rules all the processes: customers and suppliers orders management, preliminary controls, manufacturing cycles, final tests, handling of non conformity. As further confirmation of the constant quality-research over the years, Meth has obtained the following certifications:

- UL-CSA for single phase transformers up to 10KVA and for three-phase transformers up to 80KVA. Meth is one of the few manufactures in Europe with UL-CSA LISTED certification.
- UL-CSA Insulation System class B-F-H.
- UL-CSA Insulation System for Three-Phase auto-transformers up to 250 KVA.
- ENEC-KEMA for single phase transformers up to 2KVA.
- GL for some single-phase transformers for marine use up to 1kVA.

Certification companies inspections are regularly scheduled, ensuring a constant quality level of the products.

PLANNING Meth obtains the transformers parameters that will be tested at the end of production, such as over-temperature, losses, performance, rigidity, insulation, induced voltage, ecc., using "RALE" calculation programs. During the calculation spacers and cooling channels are properly sized to assure a long and reliable service life.

PRODUCTION The entire manufacturing process is carried out internally: preliminary controls, automatic winding for small transformers and winding on machine for flat cable, copper or aluminium strip for bigger transformers, core-assembly and soaking or resin. At the end of production all transformers are tested internally with instruments according to ISO specifications and regularly calibrated in SIT centres.

TEST Meth transformers are 100% tested and test results are stored in Meth database and available on customers request. Meth test equipment allows to carry out all tests required by the standards. At the moment the equipment is available for the following tests: no-load losses, load losses, harmonic analysis, resistance, rigidity and insulation measurement, induced voltage, inrush current.



www.meth.it

Meth Kft is specialized in manufacturing **single-phase electric transformers from 30VA to 5000VA** for industrial and automation applications and **three-phase filter reactors**. The Company is focused on the quality of product performance and deliveries in short time, empowered by the 30-year-experience gained in this business by Meth srl Italy.

Meth Kft performance is based on three statements which represent its core value: Technology and Customization, Dynamic Know-how and Cost Effectiveness. The production cycle refers to Meth srl Italy method and is based on three steps: planning, production, test.

DYNAMIC KNOW-HOW AND COST EFFECTIVENESS

Meth Kft is a dynamic and proactive company, focused on the quality of product performance and the optimization of delivery time. Thanks to technology efficiency and reduced cost line production Meth kft offers to own customers good products and competitive prices.

PLANNING All Meth Kft products are designed by technical dpt. using high-technology calculations programs like RALE for a proper evaluation of transformers electrical and technical features such as over-temperature, losses, performance, rigidity, insulation, induced voltage, dimensions and weight.

PRODUCTION The entire manufacturing process is carried out internally through a computerized production cycle. All the transformers are completely impregnated with resin. Preliminary check of raw materials and regular inspection of every single step during the production process are carried out to assure the best quality performance of the products.

TEST All Meth Kft transformers are tested internally at the end of the production process with routine tests. Test equipment allows to implement type tests required by the standards such as no-load losses, load losses, resistance, rigidity and insulation measurement, inrush current. Test results are stored in the Company database and available upon customer request.

FOCUS ON METH CERTIFICATIONS



CE marking is the manufacturer's declaration that the product meets the requirements of the applicable EC directives. The CE marking is a symbol of free marketability in the European Economic Area (Internal Market)



UL is one of several companies approved to perform safety testing by the US federal agency Occupational Safety and Health Administration (OSHA)



ENEC-KEMA is an abbreviation for "European Norms Electrical Certification". It gives customers the assurance that a product has been certified by one of the national certification institutes in Europe and it complies with the relevant European safety standards














GL is the abbreviation for "German Lloyd", which certifies the products compliance with marine standards





Coc Certification (ex SASO) allows the company to export in Saudi Arabia market, as the products passed strict technical test in a certified laboratory



36.01 /// SINGLE-PHASE TRANSFORMERS

T1-T1Q- T1ULF-T1UL		Low-voltage single-phase isolating and safety transformers ENEC and UL-CSA marked	pag. 8
T1B		Low-voltage single-phase isolating and safety transformers input/output in 2 sides – class F	pag. 11
T1C		Low-voltage single-phase isolating and safety transformers input/output in 1 side – class F	pag. 12
T1-IT		Low-voltage single-phase isolating and safety transformers – class B	pag. 13
T1P		Low-voltage single-phase isolating and safety transformers with resettable switch	pag. 14
T1U		Low-voltage single-phase univesal input low-voltage isolating and safety transformers	pag. 15
T1L		Low-voltage single-phase isolating and safety transformers for screw or DIN bar installation IP20	pag. 16
T2		Low-voltage single-phase dry-type transformers from 5 to 80 kVA	pag. 17
T2H		Low-voltage single-phase transformers for medical locations	pag. 18
T1Q-GL		Low-voltage single-phase transformers for marine applications	pag. 19
T5-T6-T7		PCB transformers	pag. 20
		Other transformers	pag. 22

36.02 /// THREE-PHASE TRANSFORMERS & AUTO-TRANSFORMERS

T3TULF-T3TUL		Low-voltage three-phase general purpose transformers UL-CSA marked up to 25 kVA	pag. 24
T3T		Low-voltage three-phase isolating and safety transformers up to 40kVA	pag. 26
T3T		Low-voltage three-phase dry-type power transformers up to 1000kVA	pag. 28
T3TAH-UL	NEW 	Low-voltage three-phase industrial control transformers UL-CSA up to 80kVA	pag. 30
AT3TH-UL	NEW 	Low-voltage three-phase industrial control auto-transformers UL-CSA up to 250kVA	pag. 31
T3X		Low-voltage three-phase dry-type power transformers with protection degree IP55	pag. 32
T3SL		LOW-LOSSES three-phase SLIM-LINE transformers ECO DESIGN	pag. 33
T3T-FTV		Low-voltage three-phase isolating transformers for “Renewable Energies” class B	pag. 34
		Three-phase auto-transformers and reactors motors starting	pag. 36

36.03 /// REACTORS

R3F	NEW 	Three-phase filter reactors	pag. 38
R3L		Three-phase smoothing reactors	pag. 39

36.04 /// STEEL ENCLOSURE

IP21-IP23-IP55		Steel enclosure for three-phase transformers	pag. 40
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36.05 /// TECHNICAL NOTES

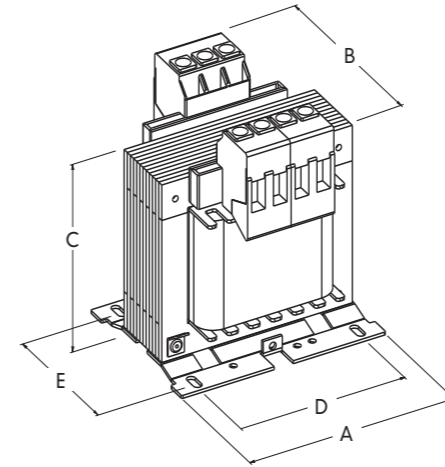
		Technical Notes	pag. 41
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36.01 /// SINGLE-PHASE TRANSFORMERS



Technical data T1
 CUSTOMIZED PRODUCT

CODE	RATED POWER VA	APPROVALS	DIMENSIONS (mm)					WEIGHT Kg
			A	B	C	D	E	
T1-30...	30	CE	77	81	77	60	43	1,1
T1-50...	50	CE	77	85	77	60	48	1,2
T1-75...	75	CE	86	85	82	70	55	1,45
T1-100...	100	CE	86	95	82	70	65	2
T1-150...	150	CE	98	98	95	80	69	2,6
T1-200...	200	CE	98	113	95	80	84	3,1
T1-250...	250	CE	122	103	110	100	75	3,6
T1-300...	300	CE	122	108	110	100	80	4,4
T1-500...	500	CE	122	138	110	100	110	7
T1-600...	600	CE	153	116	136	125	93	7,4
T1-800...	800	CE	153	136	136	125	113	9,8
T1-1000...	1000	CE	153	156	136	125	133	12,1
T1-1250...	1250	CE	193	125	176	160	96	14
T1-1500...	1500	CE	193	131	176	160	102	16
T1-2000...	2000	CE	193	151	176	160	122	20
T1-3000...	3000	CE	193	192	176	160	162	22
T1-4000...	4000	CE	240	230	230	180	165	45
T1-5000...	5000	CE	240	240	230	180	180	50
T1-6000...	6000	CE	240	260	240	180	200	60



CoC certified products: T1ULF and T1
 For technical and electrical data see page 10 (T1ULF) and 11 (T1)

General data

Input voltage	T1Q : 200-440 V
	T1ULF-T1UL : 100-600 V
Output voltage	T1Q : 12-440 V
	T1ULF-T1UL : 12-600 V
Rated power	T1Q : 30-2000 VA
	T1ULF : 30-5000 VA
	T1UL : >5 KVA - 10 KVA

Insulation class	class F
Temperature class	T1Q : class B T1ULF-T1UL : class F
Ambient temperature	Ta=40°C
Protection degree	IP 00 - class I
Test voltage	4,2 KV/1'
Terminals	terminal blocks

Application:

Isolating transformer with secondary voltage > 50 V
 Safety transformer with secondary voltage ≤ 50 V safety transformer
 They are suitable for any industrial/civil use for the electrical isolation of the input and output sides. Construction in accordance with the following standards:

Standard

CEI-EN 61558,2-4 – isolating transformers
IEC 61558,2-4 – isolating transformers
UL 5085 1-2 – low-voltage transformers
CEI-EN 61558,2-6 – safety transformers
IEC 61558,2-6 – safety transformers
CSA 22.2, No66

T1Q: ENEC marked

T1ULF-T1UL: UL-CSA marked

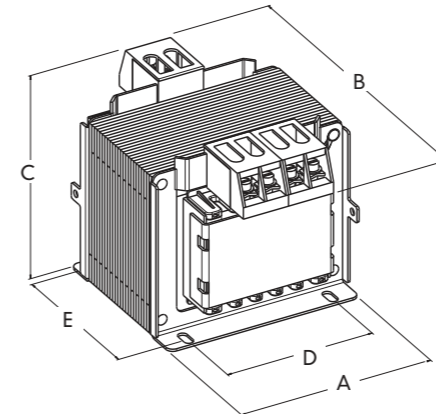
Certifications

	KEMA FILE 3502609.01-02-03-04-05
	FILE E169331-vol. 2-sec. 1-2
	FILE E169331-vol. 1-sec. 1-2
	FILE E215141-vol. 1-sec. 1



Technical data T1Q

CODE	RATED POWER VA	APPROVALS	DIMENSIONS (mm)					DIMENSIONS ACCORDING TO DIN STANDARD (mm)					WEIGHT Kg
			A	B	C	D	E	A	B	C	D	E	
T1Q-30...	30		77	81	77	60	43	76	72	89	56	45	1,1
T1Q-50...	50		77	85	77	60	48	76	78	89	56	50	1,2
T1Q-75...	75		86	85	82	70	55	85	85	98	64	54	1,45
T1Q-100...	100		86	95	82	70	65	85	94	98	64	64	2
T1Q-150...	150		98	98	95	80	69	96	92	109	84	70	2,6
T1Q-200...	200		98	113	95	80	84	96	107	109	84	85	3,1
T1Q-250...	250		122	103	110	100	75	121	95	123	90	70	3,6
T1Q-300...	300		122	108	110	100	80	121	105	123	90	80	4,4
T1Q-400...	400		122	118	110	100	90	121	115	123	90	90	5,7
T1Q-500...	500		122	138	110	100	110	121	135	123	90	110	7
T1Q-600...	600		153	116	136	125	93	151	117	140	122	90	7,4
T1Q-800...	800		153	136	136	125	113	151	137	140	122	110	9,8
T1Q-1000...	1000		153	156	136	125	133	151	157	140	122	130	12,1
T1Q-1250...	1250		193	125	176	160	96	193	125	176	160	96	14
T1Q-1500...	1500		193	131	176	160	102	193	131	176	160	102	16
T1Q-2000...	2000		193	151	176	160	122	193	151	176	160	122	20



**Technical data T1ULF (industrial control transformers)
T1UL (general purpose transformers)**



CODE	RATED POWER VA	APPROVALS	DIMENSIONS (mm)					DIMENSIONS ACCORDING TO DIN STANDARD (mm)					WEIGHT Kg	FIG.
			A	B	C	D	E	A	B	C	D	E		
T1ULF-30...	30		77	81	77	60	43	76	72	89	56	45	1,1	1-2
T1ULF-50...	50		77	85	77	60	48	76	78	89	56	50	1,2	1-2
T1ULF-75...	75		86	85	82	70	55	85	85	98	64	54	1,45	1-2
T1ULF-100...	100		86	95	82	70	65	85	94	98	64	64	2	1-2
T1ULF-150...	150		98	98	95	80	69	96	92	109	84	70	2,6	1-2
T1ULF-200...	200		98	113	95	80	84	96	107	109	84	85	3,1	1-2
T1ULF-250...	250		122	103	110	100	75	121	95	123	90	70	3,6	1-2
T1ULF-300...	300		122	108	110	100	80	121	105	123	90	80	4,4	1-2
T1ULF-400...	400		122	118	110	100	90	121	115	123	90	90	5,7	1-2
T1ULF-500...	500		122	138	110	100	110	121	135	123	90	110	7	1-2
T1ULF-600...	600		153	116	136	125	93	151	117	140	122	90	7,4	1-2
T1ULF-800...	800		153	136	136	125	113	151	137	140	122	110	9,8	1-2
T1ULF-1000...	1000		153	156	136	125	133	151	157	140	122	130	12,1	1-2
T1ULF-1250...	1250		193	125	182	122	96	-	-	-	-	-	14	1-2
T1ULF-1500...	1500		193	131	182	160	102	-	-	-	-	-	16	1-2
T1ULF-2000...	2000		193	151	182	160	122	-	-	-	-	-	20	1-2
T1ULF-2500...	2500		193	171	182	160	142	-	-	-	-	-	22	2-3
T1ULF-3000...	3000		200	155	300	150	126	-	-	-	-	-	31	3
T1ULF-4000...	4000		240	175	357	205	104	-	-	-	-	-	37	3
T1ULF-5000...	5000		240	185	357	205	114	-	-	-	-	-	40	3
T1UL-6000...	6000		240	205	357	205	134	-	-	-	-	-	47	3
T1UL-7500...	7500		280	228	410	233	152	-	-	-	-	-	57	3
T1UL-10000...	10000		280	252	410	233	175	-	-	-	-	-	75	3

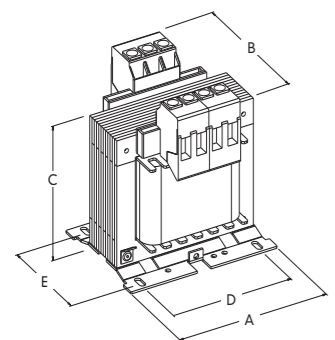


Fig. 1

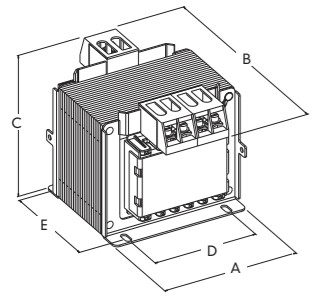


Fig. 2



All the above items are also available with transparent varnish

Electrical data
Suitable for T1Q - T1ULF - T1UL

RATED POWER VA	LOSSES (W)		EFFICIENCY %	U _{cc} %	ΔV %	INRUSH CURRENT x I _n
	no-load	load				
30	3	3,2	82,8	9,5	9,6	20
50	3,5	6,7	83,1	11,8	11,8	18
75	4	8	86,2	10,6	10	17
100	5,2	6,8	86,9	8,4	8,2	24
150	6,5	12,5	88,9	9,4	8,1	20
200	8,2	16	89,5	9	7,7	19
250	9,1	17,5	90,5	10,2	7,2	19
300	10,5	18,7	91,2	9,2	6,4	19
400	12,5	28,5	91	10	7,1	18
500	15,6	29	91,9	8,6	5,9	20
600	17	36	92,3	5,6	5,6	23
800	20	46	92,4	5	5,4	22
1000	25	47	93,4	4,5	4,5	23
1250	32	48	93,9	3,9	3,8	22
1500	34	63	93,9	4,3	4,1	22
2000	41	79	94,3	4	3,8	21
2500	50	80	95	3,5	3,2	21
3000	60	97	95	3,4	3,2	20
4000	60	150	95,2	4,1	3,8	20
5000	65	170	95,6	3,7	3,4	18
6000	65	185	96	3,4	3,1	18
7500	75	220	96,2	3,2	2,4	17
10000	100	250	96,7	2,9	2,4	17

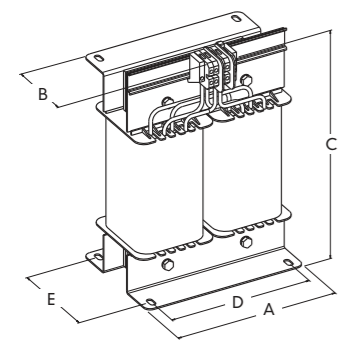


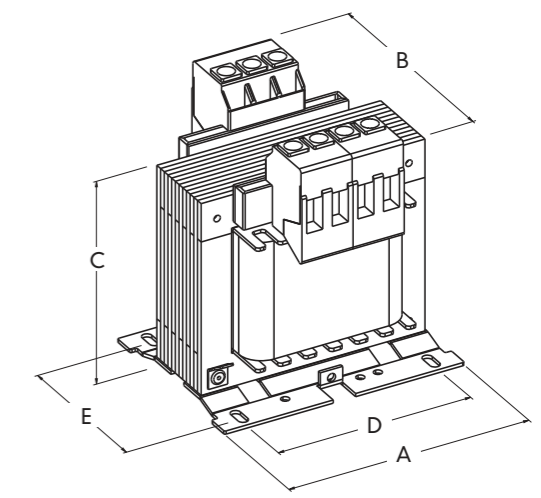
Fig. 3



General data

**2 input voltage/1 output voltage
output in two sides**

Input voltage	230-400 V or others upon request
Output voltage	24 V/115 V or others upon request
Rated power	30-5000 VA
Insulation class	class F



Temperature class	class B
Ambient temperature	T _a =40°C
Protection degree	IP 00 - class I
Test voltage	4,2 KV/1'
Terminals	terminal blocks

Application:

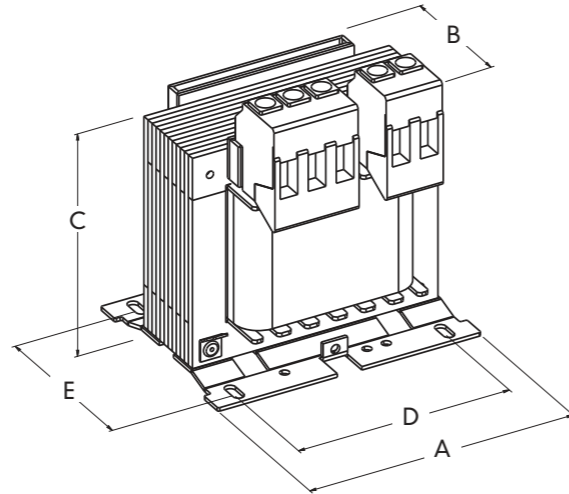
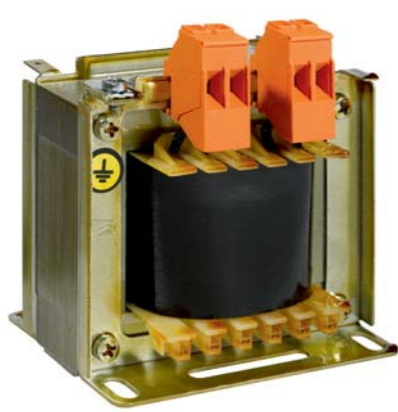
Single-phase control, isolating and safety transformers designed combining reliable performance and cost-effectiveness. They are completely impregnated with resin and have faston or screw earth connection, 4 sqmm terminal blocks, input and output in two sides. Construction in accordance with the following standards:

Standard

CEI-EN 61558,2-4 – isolating transformers
CEI-EN 61558,2-6 – safety transformers
IEC 61558,2-4 and 2-6

Technical data T1B

CODE	RATED POWER VA	DIMENSIONS (mm)					WEIGHT Kg	LOSSES (W)		EFFICIENCY %	U _{cc} %	ΔV %
		A	B	C	D	E		no-load	load			
T1B-30...	30	76	68	89	55	40	1	2,1	5,8	76,5	13,2	13
T1B-50...	50	76	73	89	55	45	1,1	2,7	9,5	81	12,5	12,4
T1B-75...	75	76	87	89	55	59	1,3	3,9	11	83,8	12,4	12,7
T1B-100...	100	85	87	95	64	59	1,8	4,7	13,7	84,6	11,8	12,1
T1B-160...	160	98	87	106	84	66	2,2	5,8	17,9	86,5	10,5	10,7
T1B-200...	200	98	97	106	84	76	3	7	22,8	87,1	10,2	10,3
T1B-250...	250	98	107	106	84	86	3,5	8,4	28,3	87,3	10	10,2
T1B-300...	300	108	107	115	90	86	4,1	9,8	31	88,4	9,2	9,3
T1B-400...	400	122	102	121	90	84	4,9	9,4	34	90,3	7,9	7,9
T1B-500...	500	122	117	121	90	99	6	11	34,1	92	6,4	6,5
T1B-600...	600	151	94	142	123	79	7,8	12,3	39	92,2	6,4	6,2
T1B-800...	800	151	114	142	123	99	10,4	17,2	40,4	93,4	4,9	4,8
T1B-1000...	1000	151	124	142	123	109	11,4	19	47,3	93,5	4,6	4,5
T1B-1500...	1500	192	125	176	160	96	14	30	76	93,5	4,9	4,8
T1B-2000...	2000	192	151	176	160	122	20,1	40	88	94	4,4	4,3
T1B-2500...	2500	192	171	176	160	142	23	52	96	94,5	3,8	3,7
T1B-3000...	3000	192	191	176	160	162	26	61	103	94,9	3,5	3,4
T1B-4000...	4000	240	230	230	180	165	45	85	100	95,6	3	3,5
T1B-5000...	5000	240	240	230	180	180	50	90	105	96	3	3,6



General data

**1 input voltage/1 output voltage
output in one side**

Rated input voltage	230 V or others upon request
Rated output voltage	24 V/115 V or others upon request
Rated power	30-5000 VA
Insulation class	class F
Temperature class	class B

Ambient temperature	Ta=40°C
Protection degree	IP 00 - class I
Test voltage	4,2 KV/1'
Terminals	terminal blocks

Application:

Single-phase control, isolating and safety transformers designed combining reliable performance and cost-effectiveness.

They are completely impregnated with resin and have faston or screw earth connection, 4 sqmm terminal blocks, input and output in the same side.

Construction in accordance with the following standards:

Standard

CEI-EN 61558,2-4 – isolating transformers

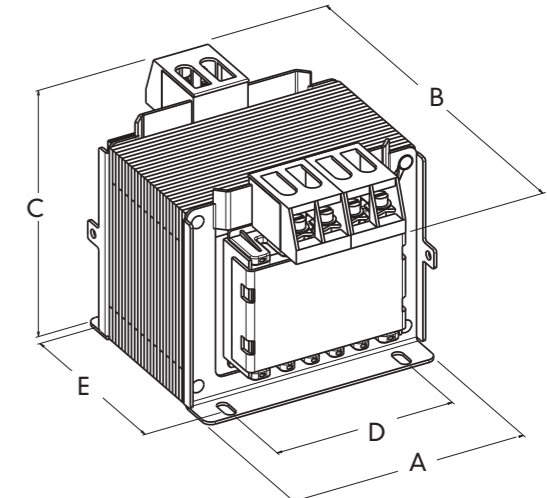
CEI-EN 61558,2-6 – safety transformers

IEC 61558,2-4 and 2-6

Technical data T1C

CODE	RATED POWER VA	DIMENSIONS (mm)					WEIGHT Kg	LOSSES (W)		EFFICIENCY %	U _{cc} %	ΔV %
		A	B	C	D	E		no-load	load			
T1C-30...	30	76	68	89	55	40	1	2,1	5,8	76,5	13,2	13
T1C-50...	50	76	73	89	55	45	1,1	2,7	9,5	81	12,5	12,4
T1C-75...	75	76	87	89	55	59	1,3	3,9	11	83,8	12,4	12,7
T1C-100...	100	85	87	95	64	59	1,8	4,7	13,7	84,6	11,8	12,1
T1C-160...	160	98	87	106	84	66	2,2	5,8	17,9	86,5	10,5	10,7
T1C-200...	200	98	97	106	84	76	3	7	22,8	87,1	10,2	10,3
T1C-250...	250	98	107	106	84	86	3,5	8,4	28,3	87,3	10	10,2
T1C-300...	300	108	107	115	90	86	4,1	9,8	31	88,4	9,2	9,3
T1C-400...	400	122	102	121	90	84	4,9	9,4	34	90,3	7,9	7,9
T1C-500...	500	122	117	121	90	99	6	11	34,1	92	6,4	6,5
T1C-600...	600	151	94	142	123	79	7,8	12,3	39	92,2	6,4	6,2
T1C-800...	800	151	114	142	123	99	10,4	17,2	40,4	93,4	4,9	4,8
T1C-1000...	1000	151	124	142	123	109	11,4	19	47,3	93,5	4,6	4,5
T1C-1500...	1500	192	125	176	160	96	14	30	76	93,5	4,9	4,8
T1C-2000...	2000	192	151	176	160	122	20,1	40	88	94	4,4	4,3
T1C-2500...	2500	192	171	176	160	142	23	52	96	94,5	3,8	3,7
T1C-3000...	3000	192	191	176	160	162	26	61	103	94,9	3,5	3,4
T1C-4000...	4000	240	230	230	180	165	45	85	100	95,6	3	3,5
T1C-5000...	5000	240	240	230	180	180	50	90	105	96	3	3,6

Electrical data



General data

input-output in two sides

Rated input voltage	230-400 V (others upon request)
Rated output voltage	24V or 115V (others upon request)
Frequency	50/60 Hz
Rated power	30-5000 VA
Insulation class	class F
Temperature class	class B

Ambient temperature	Ta=40°C
Operating time	continuous
Protection degree	IP 00 - class I
Terminal protection degree	IP 20
Test voltage	4,2 KV/1'
Terminals	terminal blocks

Application:

Single phase control, isolating and safety transformers designed combining reliable performance and cost-effectiveness. They are completely impregnated with resin. Input and output in two sides.

Construction in accordance with the following standards:

Standard

CEI - EN 61558,2-4 – isolating transformers

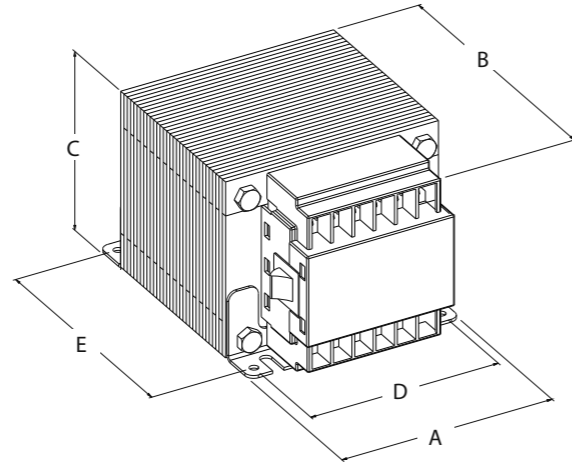
CEI - EN 61558,2-6 – safety transformers

IEC 61558,2-4 and 2-6

Technical data T1-IT

CODE	RATED POWER VA	DIMENSIONS (mm)					WEIGHT Kg	LOSSES (W)		EFFICIENCY %	U _{cc} %	ΔV %
		A	B	C	D	E		no-load	load			
T1-IT-30...	30	76	70	76	55	39	1	2,1	5,8	76,5	13,2	13
T1-IT-50...	50	76	75	76	55	44	1,1	2,7	9,5	81	12,5	12,4
T1-IT-75...	75	76	90	76	55	59	1,3	3,9	11	83,8	12,4	12,7
T1-IT-100...	100	85	88	84	70	61	1,8	4,7	13,7	84,6	11,8	12,1
T1-IT-160...	160	98	94	94	80	64	2,2	5,8	17,9	86,5	10,5	10,7
T1-IT-200...	200	98	104	94	80	74	3	7	22,8	87,1	10,2	10,3
T1-IT-250...	250	98	114	94	80	84	3,5	8,4	28,3	87,3	10	10,2
T1-IT-300...	300	108	112	94	84	83	4,1	9,8	31	88,4	9,2	9,3
T1-IT-400...	400	122	107	110	100	85	4,9	9,4	34	90,3	7,9	7,9
T1-IT-500...	500	122	122	110	100	100	6	11	34,1	92	6,4	6,5
T1-IT-600...	600	151	100	133	125	90	7,8	12,3	39	92,2	6,4	6,2
T1-IT-800...	800	151	120	133	125	110	10,4	17,2	40,4	93,4	4,9	4,8
T1-IT-1000...	1000	151	130	133	125	120	11,4	19	47,3	93,5	4,6	4,5
T1-IT-1500...	1500	192	125	176	160	96	14	30	76	93,5	4,9	4,8
T1-IT-2000...	2000	192	151	176	160	122	20,1	40	88	94	4,4	4,3
T1-IT-2500...	2500	192	171	176	160	142	23	52	96	94,5	3,8	3,7
T1-IT-3000...	3000	192	191	176	160	162	26	61	103	94,9	3,5	3,4

Electrical data



General data

Rated input voltage	230-400 V
Rated output voltage	12/24/48 V (others upon request)
Rated power	30-125 VA
Insulation class	class F
Temperature class	class B

Application:

Single-phase isolating and safety transformers suitable for any industrial or civil use for the electrical isolation of the input and output sides with resettable switch on the output .
Construction in accordance with the following standards:

Ambient temperature	Ta=40°C
Protection degree	IP 00 - class I
Test voltage	4,2 KV/1'
Terminals	Faston 6,3 sqmm

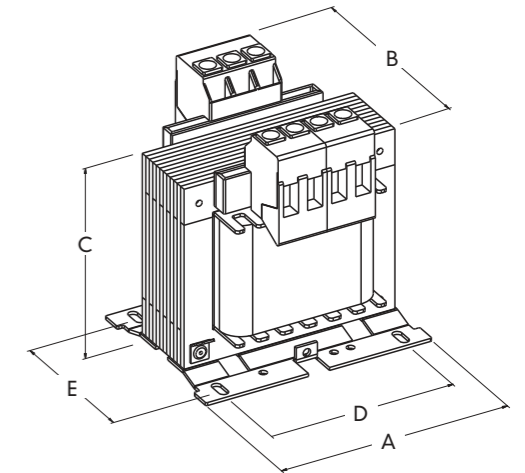
Standard

CEI-EN 61558,2-4 and 2-6 – isolating and safety transformers
IEC 61558,2-4 and 2-6

Technical data T1P

CODE	RATED POWER	DIMENSIONS (mm)					WEIGHT	LOSSES (W)		EFFICIENCY	U _{cc}	DV
		A	B	C	D	E		no-load	load			
T1P-30	30	75	73	63	55	45	1	2,5	3,8	83,2	11,2	10,9
T1P-50	50	75	73	63	55	45	1,1	2,9	7,1	83,4	12,5	12,4
T1P-63	63	75	83	63	55	55	1,3	3,2	8	84,9	12,2	11,8
T1P-75	75	75	88	63	55	60	1,5	3,8	9,7	85,1	12,1	11,7
T1P-100	100	85	95	72	64	61	1,9	4,5	11,8	86,1	11,8	11,3
T1P-125	125	85	105	72	64	71	2,3	5,5	13,4	87	10,9	10,2

Electrical data



General data

Rated input voltage (standard)	208-230-380-400-420-440-460-480-500-525-550 V
Rated output voltage	2x115 V or 2x12 V or 2x24 V
Rated power	from 150 to 1000 VA
Insulation class	class F

Application:

Suitable for any industrial application, where different input voltages are required.
Construction in accordance with the following standards:

Standard

CEI-EN 61558,2-4 and 2-6 – isolating and safety transformers
IEC 61558,2-4 and 2-6
UL 5085 1 and 2 – low voltage transformers
CSA 22.2 No.66

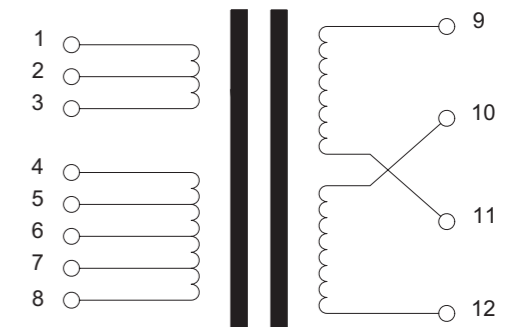
Technical data T1U

CODE	RATED POWER	DIMENSIONS (mm)					WEIGHT
		A	B	C	D	E	
T1U-150...	150	96	92	105	84	75	2,6
T1U-250...	250	121	95	125	90	70	3,6
T1U-400...	400	121	115	125	90	90	5,7
T1U-500...	500	121	135	125	90	110	7
T1U-630...	630	151	117	140	120	90	7,4
T1U-800...	800	151	137	140	120	110	9,8
T1U-1000...	1000	151	157	140	120	130	12,1

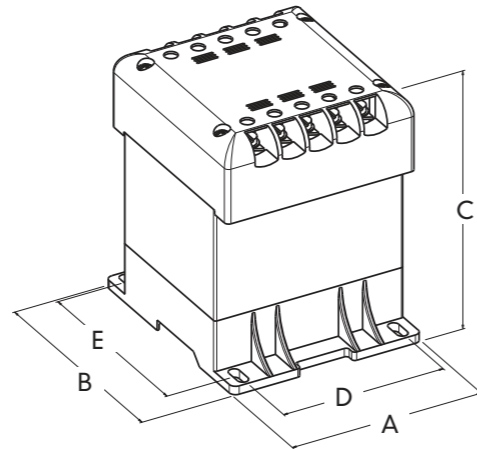
Certifications

	FILE E169331-vol. 2-sec. 1-2
	FILE E215141-vol. 1-sec. 1

STANDARD WIRING DIAGRAM



Other configurations available upon request



General data

Rated input voltage	230-400±15 V
Rated output voltage	2X12 V or 2x115 V
Rated power	50-400 VA
Insulation class	class F
Temperature class	class B

Protection class	class II
Ambient temperature	Ta=40°C
Protection degree	IP 20
Test voltage	4,2 KV/1'
Terminals	self-lifting screws

Standard

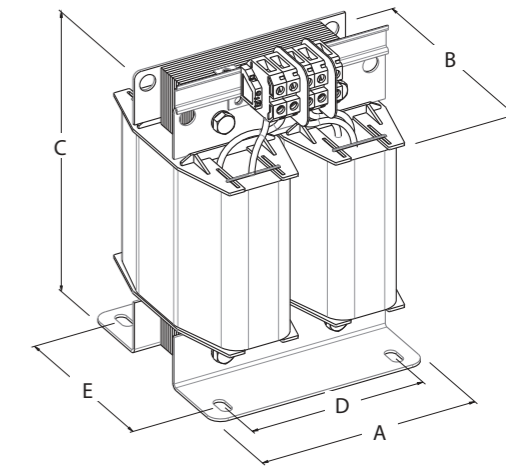
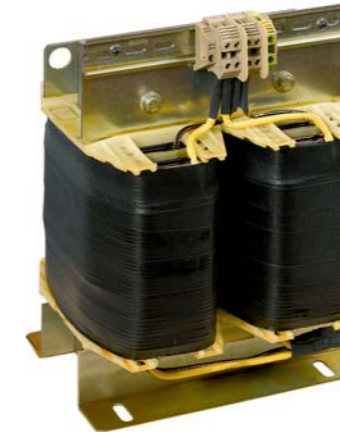
CEI-EN 61558,2-4 and 2-6 – isolating and safety transformers
IEC 61558,2-4 and 2-6

Application:

Single-phase isolating and safety transformers suitable for DIN rail or floor screws installation.
Multi-voltage input and output with protection degree IP20.
Protection class 2
Construction in accordance with the following standards:

Technical data T1L

CODE	RATED POWER	APPROVALS	DIMENSIONS					WEIGHT	LOSSES (W)		EFFICIENCY	U _{cc}	DV
			A	B	C	D	E		Kg	NO-LOAD			
T1L-50	50	CE	89	106	100	68,5	90	1,4	3,5	6,2	84	11,5	11,8
T1L-63	63	CE	89	106	100	68,5	90	1,5	3,4	8,1	84,7	11,1	11,4
T1L-75	75	CE	89	106	110	68,5	90	1,8	4,5	8,2	85,7	9,5	9,7
T1L-100	100	CE	89	106	120	68,5	90	2,1	5,5	10,3	86,3	9,2	9,4
T1L-160	160	CE	113	115	112	80	99	2,3	5,9	15	87,6	9	9,2
T1L-200	200	CE	113	115	122	80	99	3	7,1	21,1	87,8	8,9	9,1
T1L-250	250	CE	113	115	132	80	99	3,5	8,4	26,6	87,9	8,4	8,7
T1L-300	300	CE	126	136	117	96	121	3,8	8,6	27	89,3	8,3	8,3
T1L-400	400	CE	126	136	127	96	121	4,5	10,5	34,9	89,9	8,1	8,2



General data

Rated input voltage	up to 600 V
Rated output voltage	up to 600 V
Rated power	from 5 to 80 KVA
Insulation class	class H
Temperature class	class F

Ambient temperature	Ta=40°C
Protection degree	IP 00 - class I
Test voltage	3 KV/1'
Terminals	terminal blocks / bars

Application:

Suitable for any industrial applications for electrical isolation of the input and output side.
Construction in accordance with the following standards:

Standard

CEI-EN 60076 – dry type transformers
IEC -60076 – dry type transformers
UL 5085 1 and 2 – low voltage transformers

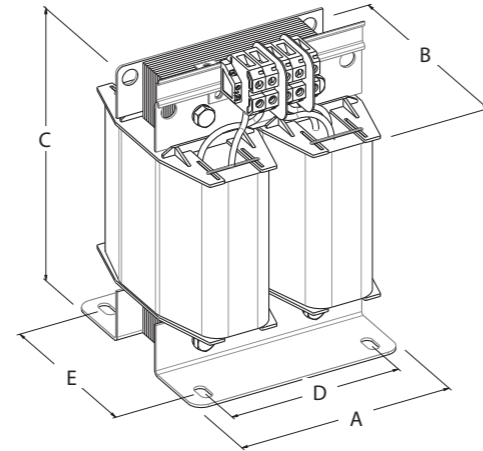
Certifications

Insulation System class F - H (upon request)

Technical data T2

CODE	RATED POWER	DIMENSIONS (mm)					WEIGHT	LOSSES (W)		EFFICIENCY	U _{cc}	ΔV	INRUSH CURRENT
		A	B	C	D	E		Kg	no-load				
T2-5	5	240	210	330	180	120	32	300	93,5	6,4	5	5	20
T2-8	8	240	230	330	180	140	42	340	95,3	4,8	4,8	4,8	20
T2-10	10	280	230	408	240	130	53	390	95,6	4,8	4	4	18
T2-15	15	280	270	408	235	170	72	95	445	96,5	3,7	3,5	15
T2-20	20	320	280	440	265	320	88	115	530	96	3,6	3,5	15
T2-25	25	320	310	440	265	198	110	140	600	97,1	3,1	3,2	14
T2-30	30	400	330	550	300	200	125	150	890	96,6	4,7	4,6	13
T2-40	40	400	360	550	300	220	155	180	1010	97,1	4,6	4,5	12
T2-50	50	400	410	550	300	240	190	230	1060	97,4	3,9	3,8	10
T2-60	60	400	440	550	300	280	225	280	1080	97,8	3,4	3,4	9
T2-80	80	400	480	550	300	320	275	335	1350	97,9	3,3	3,4	9

Electrical data



General data

Rated input voltage	230 V
Rated output voltage	115-0-115 V
Rated power	from 2200 VA to 10kVA
Insulation class	class F-H
Temperature class	class B
Ambient temperature	Ta=40°C
Protection degree	IP 00 - class I
Inrush current	12 x In
Short-circuit voltage	3%

Insulation voltage	5KV/1'
No-load current	3%
Leakage current of the output winding to earth	≤0,5 mA
Leakage current of the enclosure to earth	≤ 3,5 mA
Terminals	terminal blocks
Double screen between primary and secondary	
Equipped with a pocket for PT100 upon request	

Standard

CEI-EN 61558, 2-15
IEC 61558, 2-15

Application:

Suitable for galvanic separation between the net from the users in medical locations.
Construction in accordance with the following standards:



Isolating transformer for powering medical locations.

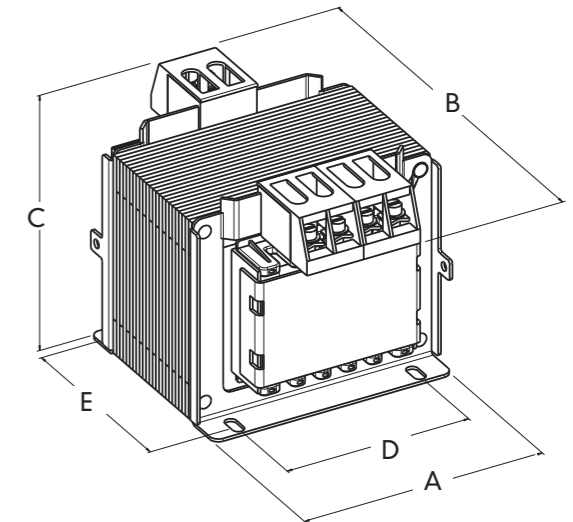
Class F/F version is available upon request

Technical data T2H

CODE	RATED POWER VA	DIMENSIONS (mm)					WEIGHT Kg	LOSSES (W)		EFFICIENCY %	U _{cc} %	INRUSH CURRENT x In
		A	B	C	D	E		no-load	load			
T2H-2.2	2200	200	155	300	150	126	36	12	65	96,7	3	12
T2H-3.3	3300	240	175	355	180	104	46	15	90	96,9	3	12
T2H-4	4000	240	185	355	180	114	50	20	110	96,9	3	12
T2H-5.5	5500	280	195	355	180	124	56	25	130	97	3	12
T2H-7.5	7500	280	230	410	235	152	66,5	30	190	97,1	3	12
T2H-10	10000	280	240	410	235	162	75	35	230	97,4	3	12

Electrical data

Data referred to 230/115-0-115 V



General data

Rated input voltage	400-440 V
Rated output voltage	24-230 V
Rated power	150-250-400-800-1000 VA
Insulation class	class F self-extinguishing
Temperature class	class F

Application:

Suitable for installation in switchboard and for "Marine" applications with GL approvals.
Self-extinguishing isolating components.
Construction in accordance with the following standards:

Standard

GL: Guideline for the Performances of Type Approvals Chapter 2 Ed. 2003

Ambient temperature	Ta=45°C
Protection degree	IP 00 - class I
Test voltage	4,2 KV/1'
Terminals	terminal blocks

Certifications

	German Lloyd n.46566 – 12HH
	UL-CSA Listed FILE E169331 (upon request)

Technical data T1Q-GL

CODE	RATED POWER VA	APPROVALS	DIMENSIONS (mm)					WEIGHT Kg	LOSSES (W)		EFFICIENCY %	U _{cc} %	ΔV %	INRUSH CURRENT x In
			A	B	C	D	E		no-load	load				
T1QGL-150...	150		96	92	105	84	75	2,6	6,6	12,5	88,9	9,5	8,1	20
T1QGL-250...	250		121	95	125	90	70	3,6	9,1	17,6	90,5	10	7,2	19
T1QGL-500...	500		121	135	125	90	110	7	15,6	28,9	91,9	8,5	5,9	20
T1QGL-800...	800		151	137	140	120	110	9,8	20	46	92,4	5	5	24
T1QGL-1000...	1000		151	157	140	120	130	12,1	25	47	93,4	4,5	4,5	24

Electrical data



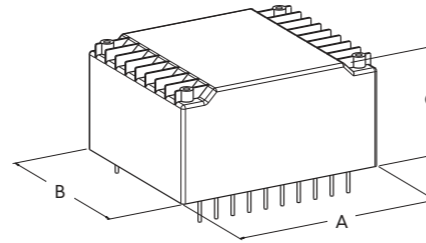
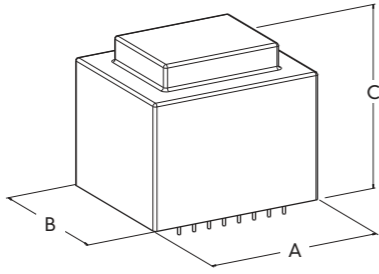
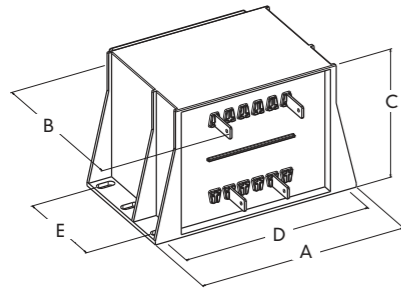
T5



T6



T7



General data

Rated input voltage	from 100 to 250 V
Rated output voltage	from 12 to 42 V
Rated power	T5: from 12 to 70 VA T6: from 3,2 to 100 VA T7: from 4 to 60 VA

Insulation class	class B
Temperature class	class B
Ambient temperature	Ta=70°C
Protection degree	IP 00
Test voltage	4,2 KV/1'

Application:

Safety transformers encapsulated with epoxy resin suitable for PCB use (T6-T7) or use in critical ambients (T5).

- T5: input and output with 6,3 mm faston
- T6: for PCB insertion with pins with Ø 0,8 mm
- T7: for PCB low profile with pins with Ø 0,8 mm

Construction in accordance with the following standards:

Standard

- CEI-EN 61558, 2-6 – safety transformers
- IEC 61558, 2-6 – safety transformers
- UL-CSA 5085 1-2 – low voltage transformers

Certifications

	ENEC-KEMA File: 3502609 03-04-05
	UL Insulation System class B File E215141

Technical data T5

CODE	RATED POWER VA	APPROVALS	DIMENSIONS (mm)					WEIGHT Kg	ELECTRICAL DATA		ΔV
			A	B	C	D	E		LOSSES (W) no-load	EFFICIENCY %	
T5-12	12		82	48	50	68	11	0,42	1	76	15
T5-20	20		82	54	54	74	13	0,56	1,2	87	14
T5-30	30		94	59	60	82	13	0,76	1,5	82	14
T5-35	35		94	59	71	82	36	1,04	2,2	85	9
T5-55	55		105	66	73	93	38	1,32	2,7	86	9,9
T5-70	70		105	66	83	93	48	1,54	3,5	87	8,8

Electrical data

Technical data T6

CODE	RATED POWER VA	APPROVALS	DIMENSIONS (mm)								WEIGHT Kg	ELECTRICAL DATA		ΔV	FIG.
			A	B	C	D	E	F	G	LOSSES (W) no-load		EFFICIENCY %			
T6-3,2	3,2		42	35,5	27,5	-	-	5	25	0,16	0,5	69	25	2	
T6-4	4		43	37	33	-	-	5	25	0,18	0,9	69	25	2	
T6-5	5		44,2	37,2	32	-	-	5	25	0,19	1	66	27	2	
T6-10	10		50,2	42,2	34,5	-	-	5	27,5	0,28	1,2	71	24	2	
T6-12	12		50,2	42,2	38,1	-	-	5	27,5	0,32	1,4	73	22	2	
T6-16	16		74	47,5	40	65	-	5	32,5	0,42	1,6	72	24	1	
T6-20	20		81,5	53,7	48	72,5	43,5	5	32,5	0,54	1,9	80	14	1	
T6-25	25		81,5	53,7	53	72,5	43,5	5	32,5	0,62	2,2	81	13	1	
T6-30	30		81,5	53,7	58	72,5	43,5	5	32,5	0,72	2,4	83	12	1	
T6-35	35		87,5	58,6	58	78	48	5	35	0,78	2,6	84	12	1	
T6-50	50		87,5	58,6	68	78	48	5	35	1,05	3,2	85	11	1	
T6-60	60		102	69	65	90	57	7,5	39	1,35	3,4	86	11	1	
T6-100	100		102	69	75	90	57	7,5	39	1,6	4,5	86	13	1	

Electrical data

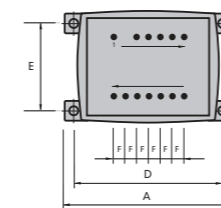


fig. 1

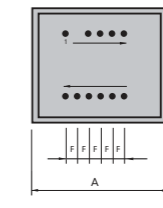
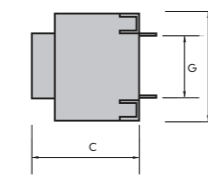


fig. 2

Technical data T7

CODE	RATED POWER VA	APPROVALS	DIMENSIONS (mm)			WEIGHT Kg	ELECTRICAL DATA		ΔV	FIG.
			A	B	C (H)		LOSSES (W) no-load	EFFICIENCY %		
T7-4	4		53	44	17,6	0,16	1,2	55	40	1
T7-6	6		53	44	22,6	0,18	1,1	63	33	1
T7-10	10		53	44	28,6	0,19	1,1	70	26	1
T7-14	14		68	57,5	24,2	0,28	1,6	70	26	2
T7-18	18		68	57,5	27,2	0,32	1,4	74	23	2
T7-24	24		68	57,5	31	0,42	1,7	76	21	2
T7-30	30		68	57,5	35,5	0,54	1,8	78	19	2
T7-40	40		83,5	69	37	0,62	2,2	78	19	3
T7-60	60		83,5	69	46	0,72	3,1	78	17	3

Electrical data

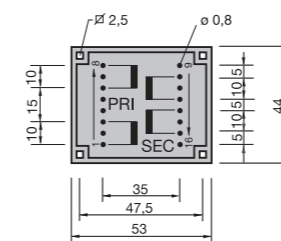


fig. 1

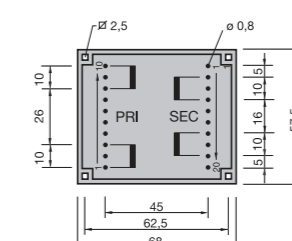


fig. 2

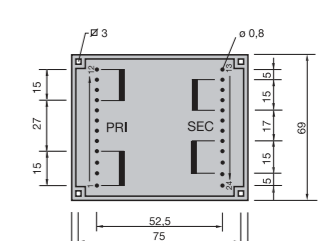


fig. 3

OTHER TRANSFORMERS



LV/MV three-phase transformers



MV three-phase reactors for short-circuit current



Single-phase transformers with fast-on terminals



Single-phase transformers with vertical connectors



Single-phase auto-transformers



AC/DC multi-voltages power supplier

36.02 /// THREE-PHASE TRANSFORMERS



T3TULF - T3TUL up to 10 KVA



T3TUL - 11-25 KVA

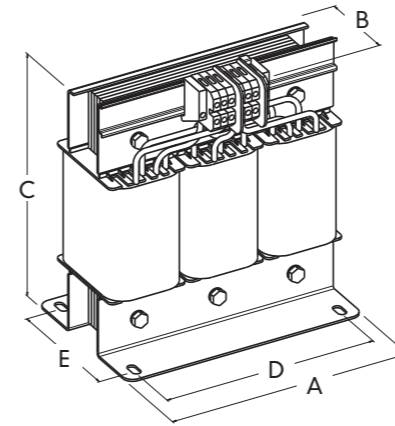


Fig. 1

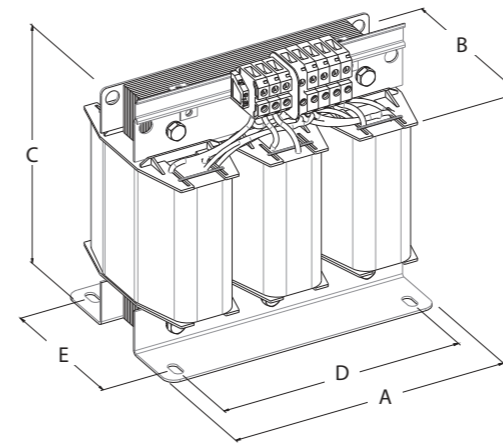


Fig. 2

Technical data T3TULF - T3TUL

CODE	RATED POWER	APPROVALS	INSULATION CLASS	DIMENSIONS (mm)					WEIGHT Kg	FIG.
	kVA			A	B	C	D	E		
T3TULF-0,1...	0,1	UL US	F	120	75	110	100	50	2,1	1
T3TULF-0,16...	0,16	UL US	F	120	85	110	100	60	2,8	1
T3TULF-0,25...	0,25	UL US	F	151	95	150	125	60	3,8	1
T3TULF-0,4...	0,4	UL US	F	151	110	150	125	75	5,5	1
T3TULF-0,5...	0,5	UL US	F	180	120	190	150	72	6,7	1
T3TULF-0,75...	0,75	UL US	F	180	140	190	150	92	10,9	1
T3TULF-1...	1	UL US	F	240	145	260	200	80	15	1
T3TULF-1,5...	1,5	UL US	F	240	155	260	200	90	17,6	1
T3TULF-2...	2	UL US	F	240	170	260	200	100	24,8	1
T3TULF-2,5...	2,5	UL US	F	240	185	260	200	115	28,1	1
T3TULF-3...	3	UL US	F	300	160	315	250	91	33	1
T3TULF-4...	4	UL US	F	300	170	315	250	101	39	1
T3TULF-5...	5	UL US	F	300	190	315	250	121	49	1
T3TUL-6...	6	UL US	F	360	170	365	300	106	58	1
T3TUL-7...	7	UL US	F	360	180	365	300	116	62	1
T3TUL-8...	8	UL US	F	360	190	365	300	126	66	1
T3TUL-9...	9	UL US	F	360	200	365	300	136	69	1
T3TUL-10...	10	UL US	F	360	210	365	300	146	75	1
T3TUL-15...	15	UL US	F	420	250	450	375	150	89	2
T3TUL-20...	20	UL US	F	420	270	450	375	172	110	2
T3TUL-25...	25	UL US	F	480	300	450	440	180	125	2



General data

Rated input voltage	100-600 V
Rated output voltage	10-600 V
Rated power	from 100 to 25kVA
Insulation class	class F
Temperature class	class F

Ambient temperature	Ta=40°C
Protection degree	IP 00
Test voltage	4,2 KV/1'
Terminals	terminal blocks or bars

Application:

Three-phase transformers UL-CSA marked suitable for any industrial application.

- In particular:
 - up to 5kVA: UL-CSA Listed marked
 - from 5kVA to 25kVA: UL-CSA – Recognized component marked
- Construction in accordance with the following standards

Certifications

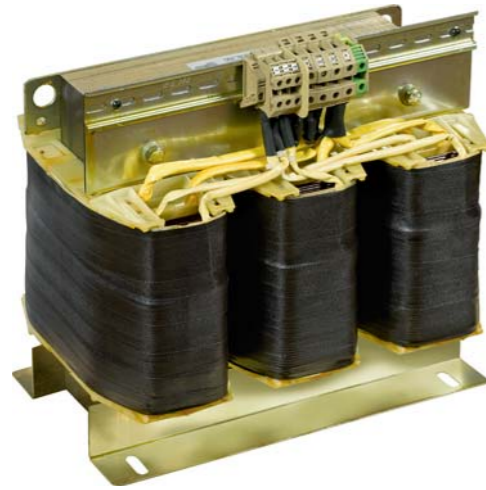
UL US	(Listed) FILE E169331 vol. 2-sec. 1-2
UL US	(Recognized) File E169331 vol.1 sec. 2
UL US	Insulation System : File 215141 vol.1

Standard

UL 5085 1 and 2 – Low voltage transformers
CSA 22.2 No 66

Electrical data

	RATED POWER		LOSSES (W)		EFFICIENCY		Ucc %		INRUSH CURRENT
	KVA	no-load	load (75°C)	total	%	Ucc X	Ucc R	Ucc tot	x In
T3TULF	0,1	5	15	20	83	-	-	13,5	24
	0,16	6,5	19,5	26	85,8	-	-	10,9	25
	0,25	7,5	24	31,5	88,4	-	-	9	26
	0,4	11,5	38	49,5	88,6	-	-	8,8	28
	0,5	15	26,5	41,5	92,2	-	-	5,1	28
	0,75	22,5	30	52,5	93,3	-	-	3,9	29
	1	25,8	42	67,8	93,6	-	-	4	20
	1,5	30	64,5	94,5	93,9	-	-	4,2	18
	2	37,5	102	139,5	93,4	-	-	4,8	18
	2,5	46	114	160	93,9	-	-	4,4	16
T3TUL	3	47	129	176	94,3	-	-	4,2	16
	4	58	186	244	94,2	-	-	4,5	16
	5	76	169	245	95,3	-	-	3,4	18
	6	84	300	384	94	-	-	5,2	15
	7	100	285	385	94,7	-	-	4,4	17
	8	110	355	465	94,5	-	-	4,5	16
	9	122	384	506	94,7	-	-	4,3	16
	10	135	387	522	95,06	1,46	4,3	4,55	16
	15	192	440	632	96,22	1,7	3,17	3,6	18
	20	140	570	710	96,78	1,68	2,6	3,1	19
25	160	720	880	96,6	2,77	2,88	4	18	



T3T up to 10 KVA



T3T 11-40 KVA



General data

Rated input voltage	100-600 V
Rated output voltage	24-600 V
Rated power	up to 25 k VA (safety transformers) up to 40 kVA (isolating transformers)
Insulation class	class F / H
Temperature class	class F / H

Ambient temperature	Ta=40°C
Protection degree	IP 00
Standard vector group	Dyn11 (others upon request)
Test voltage	4,2 KV/1'
Terminals	terminal blocks or bars

Application:

Three-phase transformers suitable for any industrial application where it is required the separation between the load and the net. Construction in accordance with the following standards:

Standard

- CEI-EN 61558; p. 2-4 – Isolating transformers
- CEI-EN 61558; p. 2-6 – Safety transformers
- IEC 61558; 2-4; 2-6

Upon request:

- The transformers could be customized with:
- different voltages
 - regulations
 - taps on primary or secondary
 - different enclosures
 - wheels for movement
 - vibration absorbers
 - electrostatic screen between primary and secondary
 - temperature control unit with 3PT100 probes inserted



STEEL ENCLOSURE for three-phase transformers pag. 40

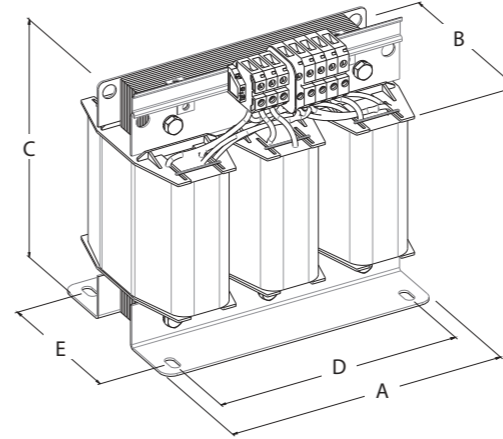
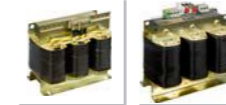


Fig.1

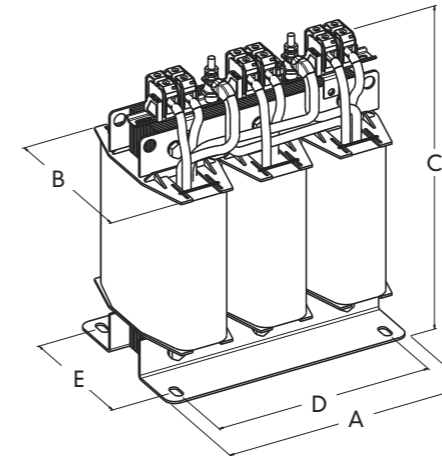


Fig. 2

Technical data T3T

CODE	RATED POWER	INSULATION CLASS	DIMENSIONS (mm)					WEIGHT FIG. BOX		
	KVA		A	B	C	D	E	Kg		
T3T-0,1...	0,1	F	120	75	110	100	50	2,1	1	-
T3T-0,16...	0,16	F	120	85	110	100	60	2,8	1	-
T3T-0,25...	0,25	F	151	95	150	125	60	3,8	1	-
T3T-0,4...	0,4	F	151	110	150	125	75	5,5	1	-
T3T-0,5...	0,5	F	180	120	190	150	72	6,7	1	-
T3T-0,75...	0,75	F	180	140	190	150	92	10,9	1	-
T3T-1...	1	F	240	145	260	200	80	15	1	-
T3T-1,5...	1,5	F	240	155	260	200	90	17,6	1	-
T3T-2...	2	F	240	170	260	200	100	24,8	1	-
T3T-2,5...	2,5	F	240	185	260	200	115	28,1	1	-
T3T-3...	3	F	300	160	315	250	91	33	1	...-1
T3T-4...	4	F	300	170	315	250	101	39	1	...-1
T3T-5...	5	F	300	190	315	250	121	49	1	...-1
T3T-6...	6	F	360	170	365	300	106	58	1	...-2
T3T-7...	7	F	360	180	365	300	116	62	1	...-2
T3T-8...	8	F	360	190	365	300	126	66	1	...-2
T3T-9...	9	F	360	200	365	300	136	69	1	...-2
T3T-10...	10	F	360	210	365	300	146	75	1	...-2
T3T-15...	15	F	420	250	420	375	150	89	2	...-3
T3T-20...	20	F	420	270	420	375	172	110	2	...-3
T3T-25...	25	F	480	270	450	440	180	125	2	...-4
T3T-30...	30	F	480	280	450	440	190	145	2	...-4
T3T-40...	40	F	480	315	450	440	220	178	2	...-4

Electrical data

RATED POWER	LOSSES (W)			EFFICIENCY		Ucc %			INRUSH CURRENT
	KVA	no-load	load (75°C)	total	%	Ucc X	Ucc R	Ucc tot	x In
0,1	5	15	20	83	-	-	-	13,5	24
0,16	6,5	19,5	26	85,8	-	-	-	10,9	25
0,25	7,5	24	31,5	88,4	-	-	-	9	26
0,4	11,5	38	49,5	88,6	-	-	-	8,8	24
0,5	15	26,5	41,5	92,2	-	-	-	5,1	22
0,75	22,5	30	52,5	93,3	-	-	-	3,9	25
1	25,8	42	67,8	93,6	-	-	-	4	20
1,5	30	64,5	94,5	93,9	-	-	-	4,2	18
2	37,5	102	139,5	93,4	-	-	-	4,8	17
2,5	46	114	160	93,9	-	-	-	4,4	15
3	47	129	176	94,3	-	-	-	4,2	15
4	58	186	244	94,2	-	-	-	4,5	15
5	76	169	245	95,3	-	-	-	3,4	16
6	84	300	384	94	-	-	-	5,2	14
7	100	285	385	94,7	-	-	-	4,4	15
8	110	355	465	94,5	-	-	-	4,5	15
9	122	384	506	94,7	-	-	-	4,3	15
10	135	387	522	95,06	1,46	4,3	4,55	16	
15	192	440	632	96,22	1,7	3,17	3,6	16	
20	140	570	710	96,78	1,68	2,6	3,1	16	
25	160	720	880	96,6	2,77	2,88	4	18	
30	190	800	990	96,81	2,18	2,67	3,45	17	
40	235	950	1185	97,12	1,98	2,38	3,1	15	



T3T up to 80 KVA



T3T 81-1000 KVA

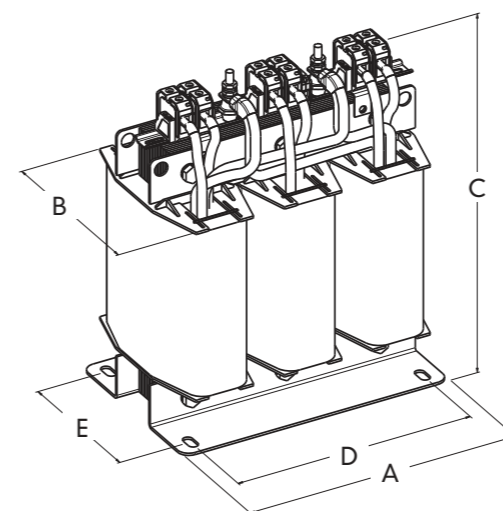


Fig. 1

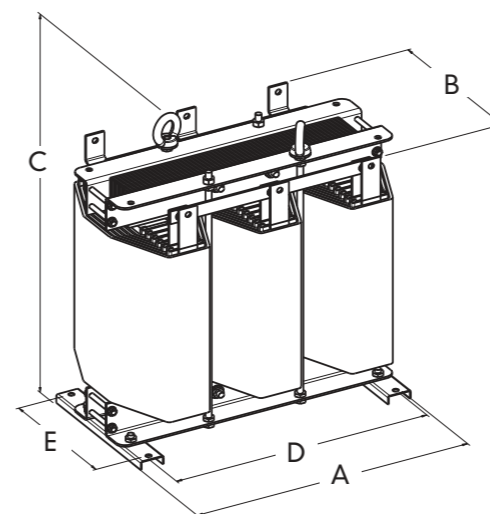


Fig. 2

Technical data T3T

CODE	RATED POWER	INSULATION CLASS	DIMENSIONS (mm)					WEIGHT Kg	FIG	BOX
	KVA		A	B	C	D	E			
T3T-50...	50	F	600	350	600	540	250	220	1	...-5
T3T-60...	60	F	600	360	600	540	260	230	1	...-5
T3T-80...	80	F	600	390	600	540	290	280	1	...-5
T3T-100...	100	F	600	420	600	540	320	330	2	...-5
T3T-125...	125	F	720	420	740	660	300	390	2	...-6
T3T-160...	160	F	720	460	740	660	340	510	2	...-6
T3T-200...	200	F	720	480	740	660	360	570	2	...-6
T3T-250	250	F	720	510	740	660	380	660	2	...-6
T3T-315	315	F	720	550	740	660	430	780	2	...-6
T3T-400	400	F	960	630	920	-	-	1090	2	...-7
T3T-500	500	F	960	680	920	-	-	1335	2	...-7
T3T-630	630	F	960	730	920	-	-	1575	2	...-7
T3T-800...	800	F	1080	650	1190	-	-	1670	2	...-8
T3T-1000...	1000	F	1080	700	1190	-	-	2020	2	...-8



General data

Rated input voltage	up to 1000 V
Rated output voltage	up to 1000 V
Rated power	41 to 1000 kVA
Insulation class	class F / H
Temperature class	class F / H

Ambient temperature	Ta=40°C
Protection degree	IP 00
Standard vector group	Dyn11 (others upon request)
Test voltage	3 KV/1'
Terminals	terminal blocks or bars

Application:

Three-phase transformers suitable for any industrial application where it is required the isolation or voltage variation between the load and the net. Construction in accordance with the following standards:

Standard

CEI-EN 60076
IEC 60076

Upon request:

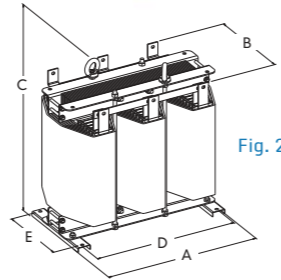
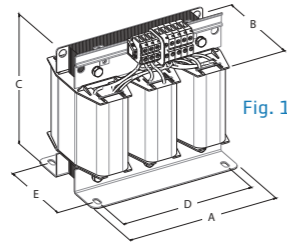
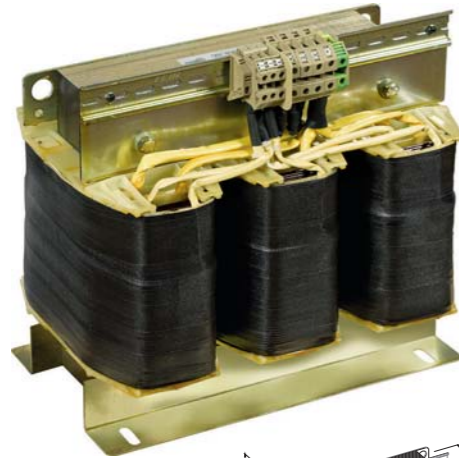
- The transformers could be customized with:
- different voltages
 - regulations
 - taps on primary or secondary
 - different enclosures
 - wheels for movement
 - vibration absorbers
 - electrostatic screen between primary and secondary
 - temperature control unit with 3PT100 probes inserted



STEEL ENCLOSURE for three-phase transformers pag. 40

Electrical data

RATED POWER KVA	LOSSES (W)			EFFICIENCY %	Ucc %			INRUSH CURRENT x In
	no-load	load (75°C)	total		Ucc X	Ucc R	Ucc tot	
50	245	1300	1545	97	4,32	2,6	5,05	18
60	265	1600	1865	96,99	4,4	2,67	5,15	15
80	340	1900	2240	97,28	4,39	2,38	5	15
100	430	2200	2630	97,44	3,75	2,2	4,35	16
125	400	2400	2800	97,81	4,23	1,92	4,65	14
160	520	2800	3320	97,97	3,03	1,75	3,5	14
200	560	3100	3660	98,2	3,46	1,55	3,8	14
250	670	3500	4170	98,36	3,47	1,4	3,75	13
315	840	4000	4840	98,49	3,52	1,27	3,75	14
400	1120	5060	6180	98,5	6,37	1,27	6,5	15
500	1340	5565	6905	98,6	5,34	1,12	5,5	15
630	1650	6780	8430	98,7	4,86	1,08	5	16
800	1760	9150	10910	98,8	5,56	1,15	5,7	8
1000	2100	9250	11350	98,9	4,79	0,93	4,9	8



General data

Rated input voltage	up to 1000 V
Rated output voltage	up to 1000 V
Rated power	3 to 80 kVA
Insulation class	class H
Temperature class	class F / H

Ambient temperature	Ta=40°C
Protection degree	IP 00
Standard vector group	Dyn11 (others upon request)
Test voltage	3 KV/1'
Terminals	terminal blocks or bars

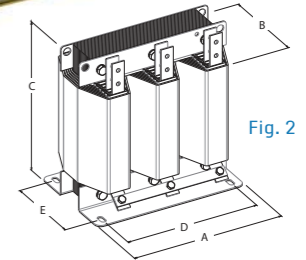
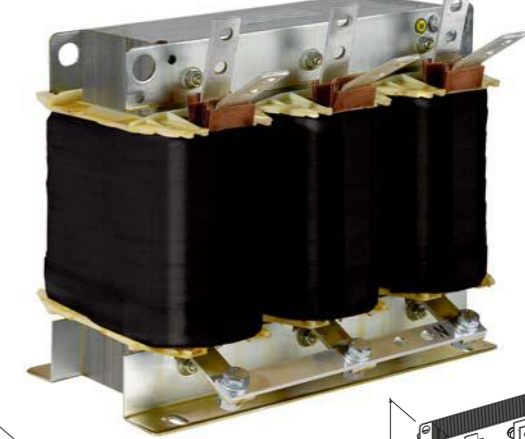
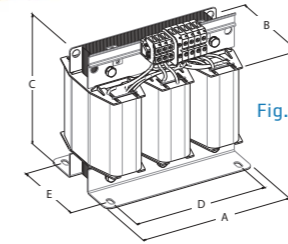
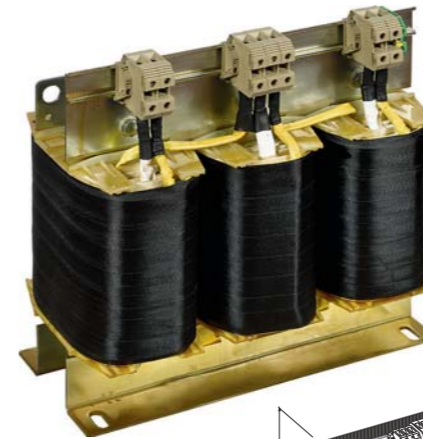
Standard

CEI-EN 60076
IEC 60076
UL 5085 1 and 2 Low Voltage Transformers
CSA 22.2 No. 66

Technical data T3TAH-UL

CODE	RATED POWER KVA	INSULATION CLASS	DIMENSIONS (mm)					WEIGHT Kg	FIG.	LOSSES (W)			EFFICIENCY %	UCC %	INRUSH CURRENT x In
			A	B	C	D	E			no-load	load	total			
			no-load	load	total										
T3TAHUL-3...	3	H	300	170	315	250	110	30	1	60	210	270	91,7	5,8	20
T3TAHUL-5...	5	H	300	190	315	250	140	40	1	85	280	365	93,2	5,2	18
T3TAHUL-7,5...	7,5	H	360	200	356	325	150	62	1	115	330	445	94,4	4,6	17
T3TAHUL-10...	10	H	360	230	356	325	180	80	1	125	350	475	95,4	4,2	17
T3TAHUL-15...	15	H	420	250	415	375	170	91	1	125	540	665	95,7	4,2	18
T3TAHUL-20...	20	H	420	270	415	375	200	135	1	205	500	705	96,6	3,7	18
T3TAHUL-25...	25	H	480	300	445	425	190	145	1	190	710	900	96,5	3,5	18
T3TAHUL-30...	30	H	480	320	445	425	210	155	1	210	760	970	96,8	3,4	17
T3TAHUL-35...	35	H	480	340	445	425	230	180	1	235	860	1095	96,9	3,2	17
T3TAHUL-40...	40	H	480	350	445	425	240	190	1-2	250	970	1220	97	3,2	17
T3TAHUL-45...	45	H	600	350	600	540	220	200	1-2	250	1430	1680	96,5	4,8	10
T3TAHUL-50...	50	H	600	360	600	540	230	220	1-2	270	1480	1750	96,6	5,5	9
T3TAHUL-60...	60	H	600	380	600	540	250	250	1-2	320	1565	1885	97	4,7	9
T3TAHUL-70...	70	H	600	390	600	540	260	270	1-2	340	1830	2170	97	4,9	9
T3TAHUL-80...	80	H	600	410	600	540	280	305	1-2	390	1950	2340	97,2	4,6	9

Electrical data



General data

Three-phase auto-transformers are electrical machine with one single common wiring where primary and secondary are not galvanically separated. They have smaller construction compared to the same isolating transformers. Typical applications are speed control for Fans, Starting of big three-phase Electric Motors, etc... Auto-transformers do not protect from earth failure. Their special feature is that the nearer are the values of the input and output voltage, the more cost-effective are auto-transformers. It is clear that auto-transformers should be calculated and designed every time, based on customer requests, since the input and output voltages are critical to determine the correct electrical sizing. Construction in accordance with the following standards:

Standard

CEI-EN 61558; p. 2-13
UL 5058 1-2 up to 345Amps (generally equivalent to 250kVA of nominal power and core power up to 80kVA)

The design rating power could be calculated by the following formula:

$$\text{Design rating} = P_{nom} \left(1 - \frac{V_1}{V_2}\right)$$

where:
Pnom = rated power (VA)
V1 = lower voltage (V)
V2 = higher voltage(V)

Example:
Pnom = 100 kVA
V1 = 380 V
V2 = 480 V

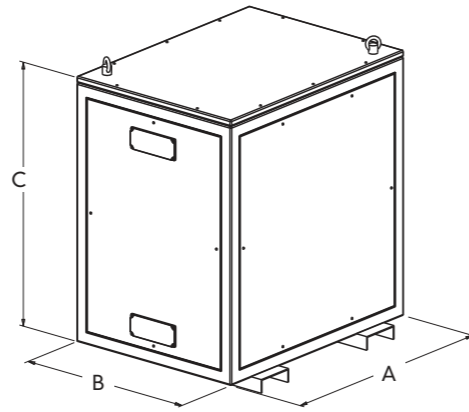
$$\text{Design rating} = 100 \times \left(1 - \frac{380}{480}\right) = 21 \text{ kVA}$$

In this case technical data are referred to AT3TH-UL-20KVA

Technical data AT3TH-UL

CODE	DESIGN RATING KVA	INSULATION CLASS	DIMENSIONS (mm)					WEIGHT Kg	FIG.	LOSSES (W)			EFFICIENCY %	UCC %	INRUSH CURRENT x In
			A	B	C	D	E			no-load	load	TOTAL			
			no-load	load	TOTAL										
AT3TH-UL-...	3	H	300	170	315	250	110	30	1	60	210	270	91,7	5,8	20
	5	H	300	190	315	250	140	40	1	85	280	365	93,2	5,2	18
	7,5	H	360	200	356	325	150	62	1	115	330	445	94,4	4,6	17
	10	H	360	230	356	325	180	80	1	125	350	475	95,4	4,2	17
	15	H	420	250	415	375	170	91	1	125	540	665	95,7	4,2	18
	20	H	420	270	415	375	200	135	1	205	500	705	96,6	3,7	18
	25	H	480	300	445	425	190	145	1	190	710	900	96,5	3,5	18
	30	H	480	320	445	425	210	155	1	210	760	970	96,8	3,4	17
	35	H	480	340	445	425	230	180	1	235	860	1095	96,9	3,2	17
	40	H	480	350	445	425	240	190	2	250	970	1220	97	3,2	17
	45	H	600	350	600	540	220	200	2	250	1430	1680	96,5	4,8	10
	50	H	600	360	600	540	230	220	2	270	1480	1750	96,6	5,5	9
60	H	600	380	600	540	250	250	2	320	1565	1885	97	4,7	9	
70	H	600	390	600	540	260	270	2	340	1830	2170	97	4,9	9	
80	H	600	410	600	540	280	305	2	390	1950	2340	97,2	4,6	9	

Electrical data



General data

Rated input voltage	up to 1000 V	Ambient temperature	Ta=40°C
Rated output voltage	up to 1000 V	Protection degree	with enclosure IP55
Rated power	10 to 300 kVA	Standard vector group	Dyn11 (others upon request)
Insulation class	class F-H	Test voltage	3 KV/1'
Temperature class	class F	Terminals	terminal blocks or bars

Application:

Three-phase transformers suitable for any industrial application where the protection degree IP55 is required. The enclosure is pre-galvanized steel painted with polyester resin for external without fan ventilation. Construction in accordance with the following standards:

Standard

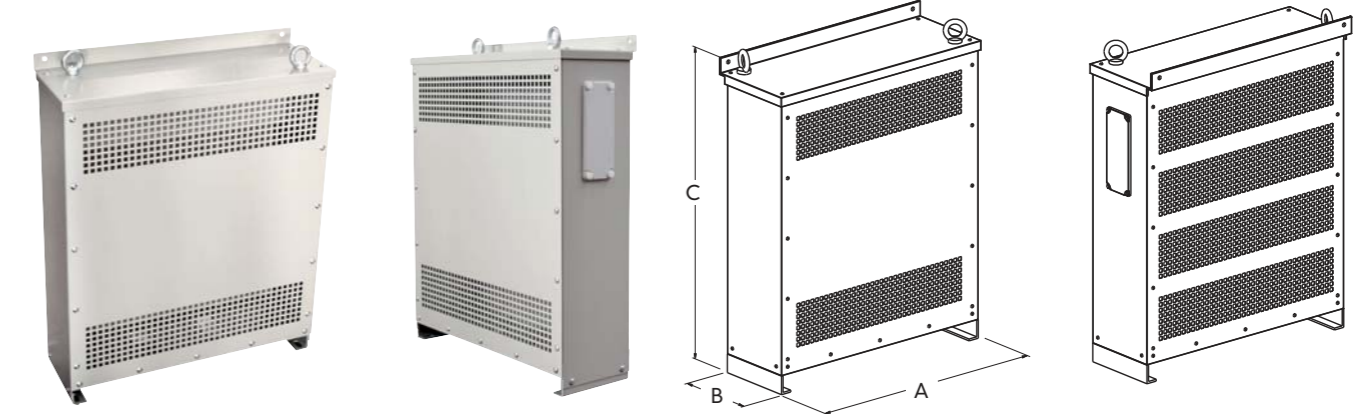
CEI-EN 60076
IEC 60076

For higher power please contact METH

Technical data T3X

Electrical data

CODE	RATED POWER KVA	INSULATION CLASS	DIMENSIONS (mm)			WEIGHT Kg	LOSSES (W)			EFFICIENCY %	Ucc X %	Ucc R %	Ucc tot %	INRUSH CURRENT x In
			A	B	C		no-load	load (75°C)	total					
T3X-10...	10	F	750	650	850	200	150	200	350	96,6	1,67	2	2,6	21
T3X-15...	15	F	850	700	850	220	170	280	450	97	1,16	1,87	2,2	19
T3X-20...	20	F	850	700	950	240	190	350	540	97,3	1,65	1,75	2,4	20
T3X-25...	25	F	850	700	950	270	250	410	660	97,4	1,32	1,64	2,1	17
T3X-30...	30	F	850	700	950	290	280	460	740	97,5	1,28	1,54	2	18
T3X-40...	40	F	1000	850	1100	320	300	650	950	97,6	2,99	1,63	3,4	15
T3X-50...	50	F	1000	850	1100	345	350	850	1200	97,6	2,72	1,7	3,2	14
T3X-60...	60	F	1000	850	1100	380	420	1000	1420	97,6	2,25	1,67	2,8	14
T3X-80...	80	F	1000	850	1100	460	500	1250	1750	97,8	2,2	1,57	2,7	13
T3X-100...	100	F	1200	1000	1300	610	550	1300	1850	98,1	2,14	1,3	2,5	11
T3X-125...	125	F	1200	1000	1300	680	600	1500	2100	98,3	2,08	1,2	2,4	10
T3X-160...	160	F	1200	1000	1300	770	700	1800	2500	98,4	2,24	1,13	2,5	10
T3X-200...	200	F	1200	1000	1360	990	900	2000	2900	98,5	2,19	1	2,4	9
T3X-300...	300	F	1600	1200	1550	1250	1000	2530	3530	98,8	4,14	0,85	4,2	9



ECO-DESIGN

General data

Standard input voltage	230 V	Protection degree	IP20
Standard output voltage	400 V	Standard vector group	YNd11 (others upon request)
Rated power	from 6,3 to 30 kVA	Inrush current	≤10 x In
Insulation class	class F-H	Test voltage	4,2 KV/1'
Temperature class	class B	Terminals	terminal blocks
Standard ambient temperature	Ta=40°C		

Application:

Three-phase transformers designed for maximum utilization of the transformer design. They have very low losses and inrush current, high efficiency and very compact construction in order to save space and reduce energy consumption. Construction in accordance with the following standards:

Standard

EN 61558, p.2-4 and directive 2009/125/EC

Technical data T3SL

Electrical data

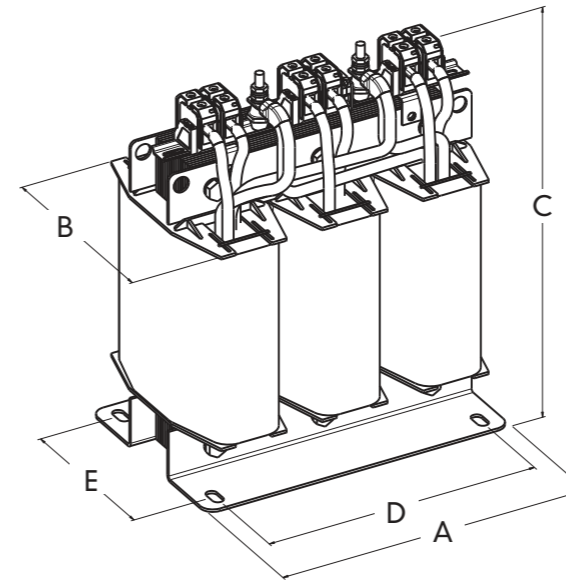
CODE	RATED POWER KVA	DIMENSIONS (mm)			WEIGHT Kg	LOSSES (W)		I sec A	EFFICIENCY %	Ucc X %	Ucc R %	Ucc tot %	INRUSH CURRENT x In
		A	B	C		no-load	load (75°C)						
T3SL-6,3...	6,3	640	220	800	115	31	153	9,1	97,1	2,72	2,8	3,65	7
T3SL-10...	10	640	220	800	135	40	240	14,4	97,2	3,48	2,73	4,24	7
T3SL-12,5...	12,5	640	220	800	150	48	295	18,1	97,3	2,14	2,7	3,21	9
T3SL-16...	16	640	220	800	175	64	315	23,1	97,7	1,77	2,3	2,65	10
T3SL-18...	18	640	220	800	195	64	385	26	97,8	2,56	2,2	3,19	9
T3SL-20...	20	790	240	1050	205	60	514	29	97,2	4,54	2,9	5,22	7
T3SL-25...	25	790	240	1050	230	83	495	36,1	97,7	3,64	2,3	4,15	8
T3SL-30...	30	790	240	1050	245	88	620	43,3	97,7	3,7	2,3	4,22	8



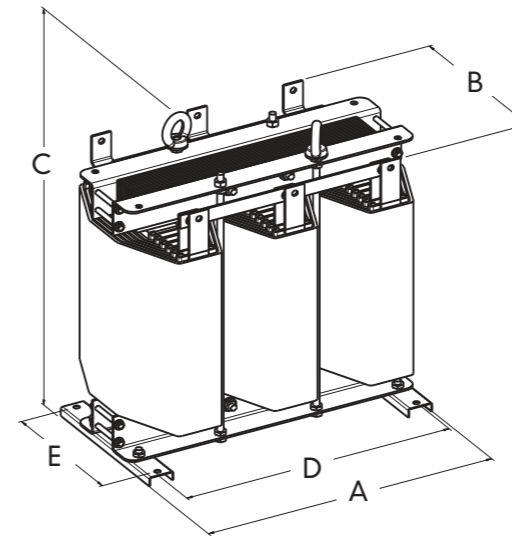
T3TFTV UP TO 60 Kva



T3TFTV 61-250 Kva



T3TFTV UP TO 60 Kva



T3TFTV 61-250 Kva

Technical data T3TFTV UP TO 60 Kva

CODE	RATED POWER	APPROVALS	INSULATION CLASS	DIMENSIONS (mm)					WEIGHT Kg	BOX
	KVA			A	B	C	D	E		
T3TFTV-10	10	B	A	420	210	390	375	160	90	...-3
T3TFTV-15	15	B	A	420	240	390	375	190	120	...-3
T3TFTV-20	20	B	A	480	260	450	440	200	140	...-4
T3TFTV-25	25	B	A	480	280	450	440	220	160	...-4
T3TFTV-30	30	B	A	480	300	450	440	240	190	...-4
T3TFTV-40	40	B	A	600	350	600	540	250	220	...-5
T3TFTV-50	50	B	A	600	360	600	540	260	230	...-5
T3TFTV-60	60	B	A	600	380	600	540	280	260	...-5

Technical data T3TFTV UP TO 61-250 Kva

CODE	RATED POWER	APPROVALS	INSULATION CLASS	DIMENSIONS (mm)					WEIGHT Kg	BOX
	KVA			A	B	C	D	E		
T3TFTV-70	70	B	A	600	390	600	540	290	280	...-5
T3TFTV-80	80	B	A	600	420	600	540	320	330	...-5
T3TFTV-90	90	B	A	600	450	600	540	350	390	...-5
T3TFTV-100	100	B	A	720	420	740	660	300	390	...-6
T3TFTV-125	125	B	A	720	430	740	660	310	425	...-6
T3TFTV-135	135	B	A	720	440	740	660	320	465	...-6
T3TFTV-150	150	B	A	720	460	740	660	340	510	...-6
T3TFTV-170	170	B	A	720	480	740	660	360	565	...-6
T3TFTV-200	200	B	A	720	500	740	660	380	640	...-6
T3TFTV-250	250	B	A	720	550	740	660	430	775	...-6

Electrical data - Data referred to 400/400 V

RATED POWER KVA	LOSSES (W)			EFFICIENCY %	U _{cc} %	INRUSH CURRENT x I _n
	no-load	load (75°C)	total			
10	80	345	425	95,94	3,66	17
15	105	415	520	96,66	3,13	16
20	130	530	660	96,84	3,37	15
25	150	655	805	96,89	3,29	15
30	180	680	860	97,23	2,88	15
40	175	1060	1235	97,01	5,78	14
50	190	1285	1475	97,15	4,09	12
60	225	115	340	97,76	3,29	13
70	240	1335	1575	97,8	3,4	12
80	290	15005	15295	97,81	3,22	14
90	360	1360	1720	98,13	2,63	15
100	380	1780	2160	97,89	4,04	12
125	430	2080	2510	98,04	4,14	10
135	455	2220	2675	98,06	4,18	10
150	510	2140	2650	98,27	3,54	10
170	565	2390	2955	98,29	3,31	9
200	655	2470	3125	98,46	3,23	9
250	815	2970	3785	98,51	2,79	10



General data

Standard input voltage	400 V
Standard output voltage	400 V
Rated power	from 10 to 250 kVA
Insulation class	class F-H
Temperature class	class B
Standard ambient temperature	Ta=40°C

Protection degree	IP 00
Standard vector group	YNyn0 (others upon request)
Test voltage	3 KV/1'
Terminals	terminal blocks or bars
Terminals	terminal blocks or bars

Application:

Three-phase transformers with low losses and high performance suitable for galvanic separation in photovoltaic plants or other renewable energies. Construction is accordance with the following standards:

Standard

CEI-EN 60076
IEC 60076



STEEL ENCLOSURE for three-phase transformers pag. 40



MOTOR STARTING WITH THREE-PHASE AUTO-TRANSFORMERS

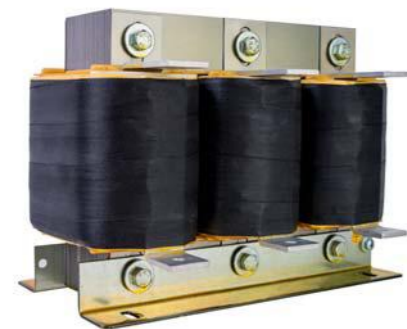
Taps: 65% - 70% - 75%
 Vn = 400V
 5 startings/hour – 2 consecutive
 Motor cosfi = 0,85 Power factor = 0,9

Technical data

KW	DIMENSIONS (mm)	WEIGHT
		Kg
20	300x120x275 (H)	28
50	360x130x330 (H)	43
75	360x150x330 (H)	56
100	360x180x330 (H)	68
200	420x210x385 (H)	112
300	480x240x440 (H)	150
400	480x270x440 (H)	185
500	600x250x550 (H)	206

MOTOR STARTING WITH THREE-PHASE REACTORS

70% Vn
 Vn = 400V
 Motor cosfi = 0,85 Power factor = 0,9



Technical data

HP	KW	DIMENSIONS (mm)	WEIGHT
			Kg
20	15	180x80x165 (H)	10
30	22	180x90x165 (H)	13
50	37	240x90x220 (H)	20
75	55	240x110x220 (H)	27
100	74	300x100x275 (H)	36
150	110	300x120x275 (H)	47
200	147	360x120x330 (H)	64
300	220	360x140x330 (H)	78
400	295	420x250x385 (H)	136
500	368	480x270x440 (H)	180

These devices help three-phase induction motors starting decreasing the supply voltage and the current. Once the starting is effective, the devices are switched off and the three-phase motor will work with net current.

Meth manufactures a wide range of single- and three-phase reactors.

MAIN APPLICATIONS OF REACTORS

**R3F
THREE-PHASE PFC
FILTER REACTORS**

The insertion of capacitors banks in presence of harmonics causes a current absorption harmful for life time of capacitors.

Reactors connected in series with the capacitors guarantee:

- Reduction of harmonics
- Reduction of current and consequent reduction of capacitor overheating
- Increase of capacitors life time

**R3L/M
THREE-PHASE SMOOTHING
REACTORS FOR VARIABLE SPEED
DRIVES (MOTOR SIDE)**

Inverter Drives produce big quantity of harmful harmonics, which can damage of motor insulation and shorten its life time. Installing a choke between the drive and the motor allows to:

- Reduce the harmonics, improving waveform linearity
- Increase the life time of semiconductors
- Reduce the motor operating temperature
- Reduce the audible equipment noise
- Limit the short circuit current

**R3L/R
THREE-PHASE SMOOTHING
REACTORS FOR VARIABLE SPEED
DRIVES (GRID SIDE)**

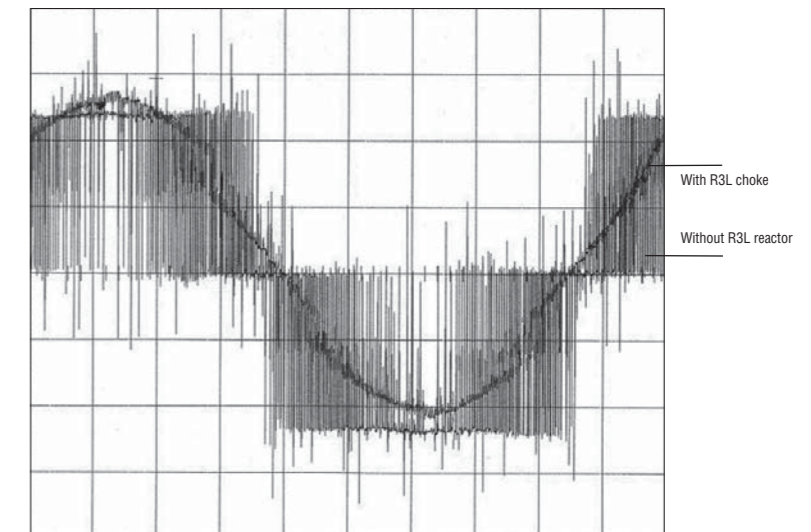
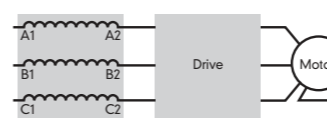
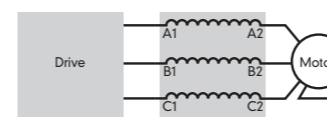
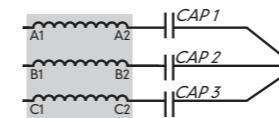
Inverter Drives not only can damage the motor. Harmonics can penetrate into the electrical net and cause some problems to other electronic or electrical equipment.

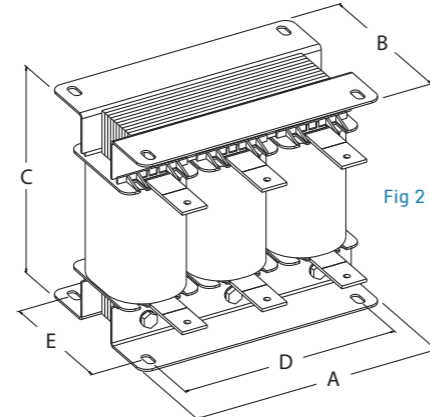
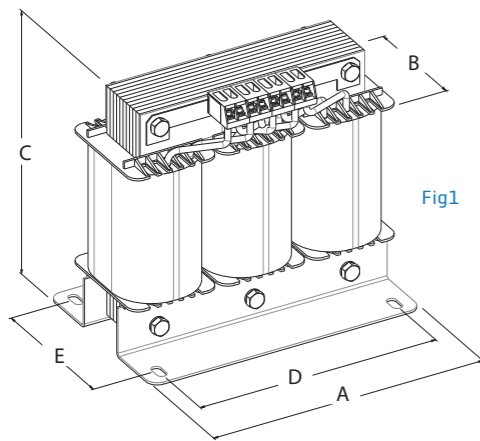
Installing a choke between the drive and the electrical net allows to:

- Reduce the harmonics, improving waveform linearity
- Reduce interferences in the electrical net
- Increase the life time of semiconductors

REACTORS CONSTRUCTION AND MATERIALS

- Windings in copper wire class 200°C or Alluminium
- Windings in copper wire class 200°C
- Magnetic cores from steel with reduced losses and necessary cuts.
- Double impregnation with Polyester resin for safety fixing and with oven dried varnish for protection against external agents.
- Terminals:
 - up to 20A with terminal board IP20
 - up to 90A, with lug terminals
 - over 90A with copper
- Insulation system approved by UL-CSA class F – File E215141
- EN 61558 , p.2-20
- IEC 61558
- UL 5085, p.1-2





HARMONIC FILTER REACTOR: 400V - P=7% - 189Hz - 50Hz - LINEARITY > 1,73xI rms

Electrical data R3F-7

Technical data

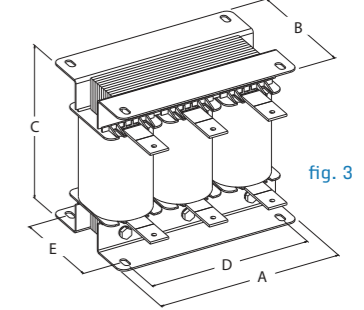
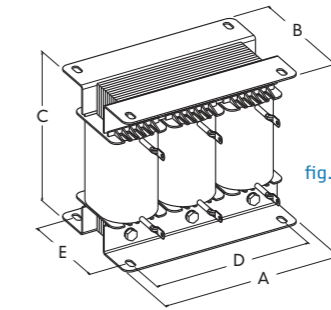
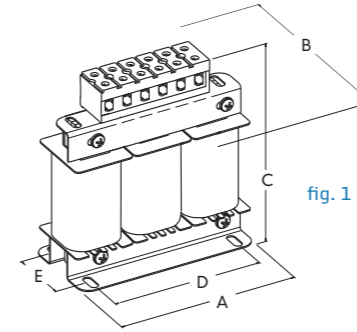
CODE	RATED POWER	INDUCTANCE	I _l	I rms	LOSSES	DIMENSIONS (mm)					WEIGHT	TERMINAL	CLAMP SIZE	FIG
	KVAR	mH	A	A	W	A	B	C	D	E	KG			
R3F-7-400-6,25	6,25	6,13	9,56	10,2	35	150	85	140	125	65	6	SCREW	2,5 sqmm	1
R3F-7-400-10	10	3,84	15,3	16,32	50	180	102	173	150	80	8	SCREW	6 sqmm	1
R3F-7-400-12,5	12,5	3,07	19,13	20,4	56	180	113	173	150	90	9	SCREW	6 sqmm	1
R3F-7-400-20	20	1,92	30,5	33,6	67	280	150	187	225	85	13	BUSBAR	M6 FLAT	2
R3F-7-400-25	25	1,53	38,3	40,8	78	280	160	187	225	95	17	BUSBAR	M6 FLAT	2
R3F-7-400-40	40	0,96	61,3	65,4	100	280	170	205	225	105	21	BUSBAR	M8 FLAT	2
R3F-7-400-50	50	0,77	76,6	81,7	120	280	195	205	225	120	26	BUSBAR	M8 FLAT	2

HARMONIC FILTER REACTOR: 400V - P=14% - 134Hz - 50Hz - LINEARITY > 1,37xI rms

Electrical data R3F-14

Technical data

CODE	RATED POWER	INDUCTANCE	I _l	I rms	LOSSES	DIMENSIONS (mm)					WEIGHT	TERMINAL	CLAMP SIZE	FIG
	KVAR	mH	A	A	W	A	B	C	D	E	KG			
R3F-14-400-6,25	6,25	13,27	9,56	10,2	55	180	117	173	150	95	10	SCREW	6 sqmm	1
R3F-14-400-10	10	8,29	15,3	16,32	65	280	155	187	225	95	15	BUSBAR	M6 FLAT	2
R3F-14-400-12,5	12,5	6,63	19,13	20,4	78	280	155	187	225	95	17	BUSBAR	M6 FLAT	2
R3F-14-400-20	20	4,15	30,5	33,6	113	280	195	205	225	120	24	BUSBAR	M6 FLAT	2
R3F-14-400-25	25	3,32	38,3	40,8	117	280	200	205	225	125	27	BUSBAR	M6 FLAT	2
R3F-14-400-40	40	2,07	61,3	65,4	168	360	190	255	275	120	40	BUSBAR	M8 FLAT	2
R3F-14-400-50	50	1,66	76,6	81,7	182	360	200	255	275	130	46	BUSBAR	M8 FLAT	2



motor SIDE ΔV 2% Isat = 1,5 In 400V 50Hz

Electrical data R3L/M

Technical data

CODE	RATED VOLTAGE	cdt	INDUCTANCE	RATED CURRENT	Isat/In	DIMENSIONS (mm)			WEIGHT	WINDING	FIG.
	V	%	mH	A		A	B	C	Kg		
R3L/15-M	400	2	0,981	15	1,5	150	60	138	4	Cu	fig. 1
R3L/20-M	400	2	0,735	20	1,5	150	65	138	5	Cu	fig. 1
R3L/30-M	400	2	0,49	30	1,5	180	60	165	6	Cu	fig. 1
R3L/50-M	400	2	0,294	50	1,5	180	70	165	8	Al	fig. 1
R3L/75-M	400	2	0,196	75	1,5	180	80	165	10	Al	fig. 2
R3L/100-M	400	2	0,147	100	1,5	240	80	165	12	Al	fig. 2
R3L/125-M	400	2	0,118	125	1,5	240	90	220	14	Al	fig. 2
R3L/150-M	400	2	0,098	150	1,5	240	100	220	16	Al	fig. 3
R3L/200-M	400	2	0,074	200	1,5	240	110	220	19	Al	fig. 3
R3L/250-M	400	2	0,059	250	1,5	300	100	280	24	Al	fig. 3
R3L/300-M	400	2	0,049	300	1,5	300	110	280	28	Al	fig. 3
R3L/350-M	400	2	0,042	350	1,5	300	120	280	29	Al	fig. 3
R3L/400-M	400	2	0,037	400	1,5	300	130	280	34	Al	fig. 3
R3L/500-M	400	2	0,029	500	1,5	360	130	330	42	Al	fig. 3

GRID SIDE ΔV 4% Isat = 1,5 In 400V 50Hz

Electrical data R3L/R

Technical data

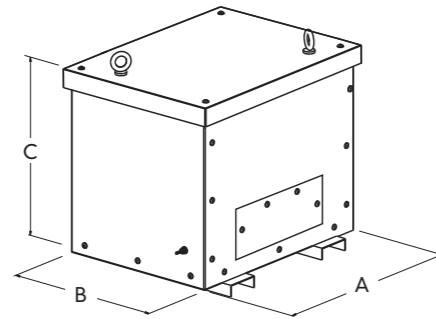
CODE	RATED VOLTAGE	cdt	INDUCTANCE	RATED CURRENT	Isat/In	DIMENSIONS (mm)			WEIGHT	WINDING	FIG.
	V	%	mH	A		A	B	C	Kg		
R3L/15-R	400	4	1,961	15	1,5	180	90	155	6	Cu	fig. 1
R3L/20-R	400	4	1,471	20	1,5	180	100	155	8	Cu	fig. 1
R3L/30-R	400	4	0,981	30	1,5	180	110	155	10	Cu	fig. 1
R3L/50-R	400	4	0,588	50	1,5	240	120	210	12	Al	fig. 1
R3L/75-R	400	4	0,392	75	1,5	240	130	210	15	Al	fig. 2
R3L/100-R	400	4	0,294	100	1,5	240	140	210	18	Al	fig. 2
R3L/125-R	400	4	0,235	125	1,5	300	150	260	24	Al	fig. 2
R3L/150-R	400	4	0,196	150	1,5	300	160	260	29	Al	fig. 2
R3L/200-R	400	4	0,147	200	1,5	300	170	260	34	Al	fig. 3
R3L/250-R	400	4	0,118	250	1,5	300	180	260	40	Al	fig. 3
R3L/300-R	400	4	0,098	300	1,5	360	190	310	49	Al	fig. 3
R3L/350-R	400	4	0,084	350	1,5	360	200	310	57	Al	fig. 3
R3L/400-R	400	4	0,074	400	1,5	360	230	350	62	Al	fig. 3
R3L/500-R	400	4	0,059	500	1,5	360	240	350	68	Al	fig. 3

Reactors with Isat=2 In or Isat=3 In are also available. Please contact Meth.



IP23

Standard enclosure



Technical data IP23

CODE	DIMENSIONS (mm)			WEIGHT Kg
	A	B	C	
BOX23-1/-2	580	500	500	30
BOX23-3	640	550	560	35
BOX23-4	740	650	700	45
BOX23-5	860	750	820	65
BOX23-6	1100	950	1040	95
BOX23-7	1600	1000	1400	150
BOX23-8	1710	1200	1500	170

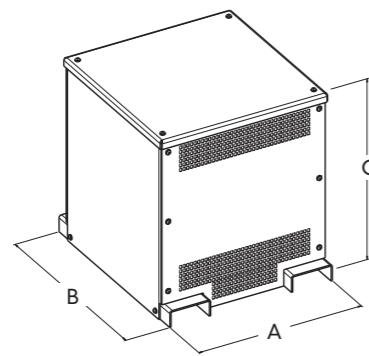
Technical details:

- 15/10 (box 23-1/2-3-4-5) or 20/10 (box 23-6-7-8) pre-galvanized steel painted with polyester resin
- eye bolts for lifting. From size 23-3 also bottom housing for fork lift or trans pallet lifting
- 2 output metallic plates for cable glands on the same side
- enclosure color: RAL7035



IP21

Upon request enclosure



Technical data IP21

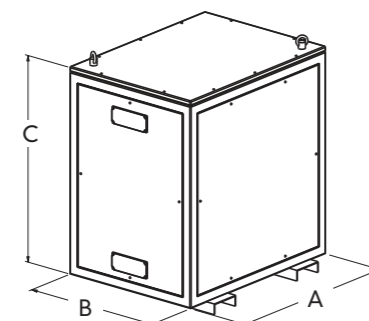
CODE	DIMENSIONS (mm)			WEIGHT Kg
	A	B	C	
BOX21-1	400	410	550	25
BOX21-2	530	480	580	30
BOX21-3	640	520	650	35
BOX21-4	700	540	650	45
BOX21-5	800	700	800	55
BOX21-6	1040	1000	1150	80

Technical details:

- epoxy resin painted steel
- internal eye bolts or bottom housing for fork lift or trans pallet lifting
- 2 output metallic plates for cable glands on the same side
- enclosure color: RAL7032



IP55



Technical data IP55

CODE	DIMENSIONS (mm)			WEIGHT Kg
	A	B	C	
BOX55-1	750	650	850	65
BOX55-2	850	700	950	75
BOX55-3	1000	850	1100	90
BOX55-4	1200	1000	1300	110

Technical details:

- pre-galvanized steel painted with polyester resin for external
- eye bolts for lifting
- 2 output plastic cable glands on the same side
- enclosure color: RAL7035

Indications:

the following technical information are a guideline for the correct use of transformers in various voltage fields. The differences in the construction of the transformers are determined by the installation and equipment requirements. We summarize here the main definitions set down in EN 61558.1 and part 2 standard. Other standards which we refer to are: CEI 14-5, 14-8, EN 60076-1 (power transformers), UL 5085-1-2-3.

Transformers

Isolating transformer: suitable for limiting risks caused by contact between the earth and the live parts that can give an electric shock if the isolation is broken or damaged.

Primary voltage: 1000V max - Secondary voltage: 500V no-load - Frequency: 500Hz max - Rated power: 25kVA if single-phase, max. 40kVA if three-phase. Type of isolating: double or reinforced.

Safety transformer: isolating transformer suitable for feed circuits of low safety voltage. Primary voltage: 1000V max - Secondary voltage: 50V max. no-load - frequency 500Hz - Rated power: 10kVA if single-phase, max. 16kVA if three-phase. Type of isolating: double or reinforced.

Rated Ambient Temperature:

this is the temperature surrounding the transformer. If not otherwise specified, the rated ambient temperature is 40°C. Particular care should be taken when the temperature is higher. It should not exceed the values laid down in the table below. The core power must be adapted to approximately the values given below:

Rated Ambient Temperature	Rated power x factor
40 °C	1
50 °C	0.92
60 °C	0.84
70 °C	0.75

Over-temperature: this is the temperature which is verified in the transformer when it is working normally. In particular, in the windings, depending on the type of isolating materials and the rated ambient temperature, the following values must not be exceeded:
Maximum excessive temperatures for winding with ta=40°C
A=60 °C - E=75 °C - B=80 °C - F=100 °C - H=125 °C

Rated Input Voltage: network voltage feed of the transformer. Unless otherwise agreed, the maximum limit displayed is a value of 1.1 times the rated input voltage, as long as it does not cause damage to the continuous running of the transformer.

No-load Current: this is the input current of the no-load transformer with rated input voltage and frequency. The value of the no-load current is mainly effected by the properties of the used magnetic core laminations and can oscillate, even between transformers from the same production due to practical effects. An oscillation of - 10%/+20% with respect to the rated value is acceptable.

Protection Class:

the equipment has built-in safety to protect against dangerous electrical currents.

Class I: all the metallic parts accessible from the transformer are insulated from the voltage parts by basic insulation and added safety measures consisting of a safety conductor within the electrical system of the installation.

Class II: all the metallic parts accessible from the transformers are separated from the voltage parts with double or reinforced isolating. The transformer must not be connected to the earth.

Insulation Class:

Max insulation system temperature	Max temperature on winding with Ta=40°C
A (105 °C)	60°C
E (120 °C)	75°C
B (130 °C)	80°C
F (155 °C)	100°C
H (180 °C)	125°C

Input Winding (Primary): particular attention should be paid if, rather than only one input voltage, additional voltage inputs are required. In this case an increase of the core power is necessary. For example:

Input voltage	Rated power x factor= scaling of the core power	
	1 section	2 sections
230	1	1
230+400	1.23	1.52
230+500	1.26	1.49
400+440	1.06	1.12
400+440+500	1.12	1.25

Rated Output Voltage: this is the output voltage of the transformer at rated frequency, rated input voltage, with a rated output current at a rated power factor (=1). This is obtained when the transformer is running in continuous service conditions with a rated ambient temperature. If not otherwise agreed, a tolerance of ±5% is acceptable. For short-circuit proof transformers it is ±10% for construction.

No-load Voltage: this is the secondary voltage of the transformer in no-load conditions, at primary voltage and rated frequency. This formula can be found starting from:

$$\text{voltage drop \%} = \left| \frac{\text{No-load voltage} - \text{rated secondary voltage}}{\text{No-load voltage}} \right| \times 100$$

EN 61558.1 standard gives the following values for isolation and safety of transformers:

Nominal % differences between secondary no-load and loaded voltage:		
up to 10 VA	100	Note: for insulating transformers up to 63VA:20%
from 10VA to 25 VA	50	
over 25 VA to 63 VA	20	For control transformers in accordance with EN 61558.1 part CEI 96-3 standard the max. difference is 10%
over 63 VA to 250 VA	15	
over 250 VA to 630 VA	10	
over 630 VA	5	

Output Winding: it means that in case of derivation output, the current is calculated in reference to the highest voltage, if not differently specified. In case of more windings, due to the quantity of isolation, it could be necessary to increase the core power.

Rated Power: this is the product of the rated secondary voltage for the rated secondary current. For three-phase transformers it is 3 times the product of the rated secondary voltage for the rated secondary current. For more secondary windings it is the sum of the product of rated secondary voltage for the rated secondary current of the circuits charged simultaneously.

Autotransformer: this is a transformer with common input and output windings, without galvanic isolation between the windings. The relative power is given by the formula:

$$P_{app} = P_{nom} \left(1 - \frac{V_1}{V_2}\right)$$

where P_{app} = power (VA)
 P_{nom} = rated power (VA)
 V_1 = lower voltage (V)
 V_2 = higher voltage (V)

Short Circuit Resistance: here is the classification that the standard EN 61558.1 applies to short circuit proof transformers:

a) Transformer not inherently short-circuit proof: this is a transformer in which has been designed to resist extreme temperatures using an external protective device not supplied with the transformer (e.g. external fuses).

b) Short-circuit proof Transformer: this is a transformer in which the over-temperature can not exceed the limits specified when the transformer is short circuited, and can function normally after the removal of the short circuit.

• **Transformer short-circuit proof with specific construction:** this is a transformer which comes with a protective device inside which opens the primary or secondary circuit or reduces the current in case of short circuit (e.g. PTC, bi-metal).

• **Transformer short-circuit proof not with specific construction:** this is a transformer which, in the absence of protective devices, in case of short circuit, does not exceed the temperature limits (e.g. small transformer with high internal resistance).

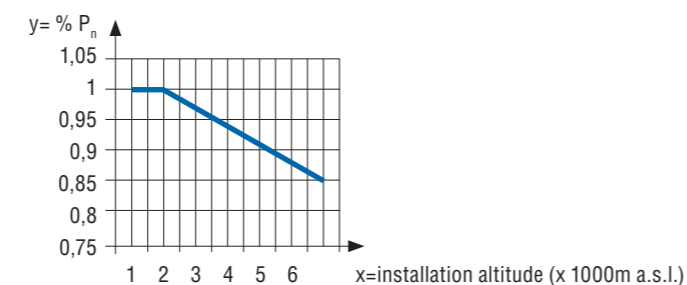
• **Fail-safe transformer:** this is a transformer which after abnormal use, stops working without placing the user at risk (e.g. transformer with thermo-fuse included).

De-rating Tables: the working conditions of rated power (P_n) are referred to the following parameters:

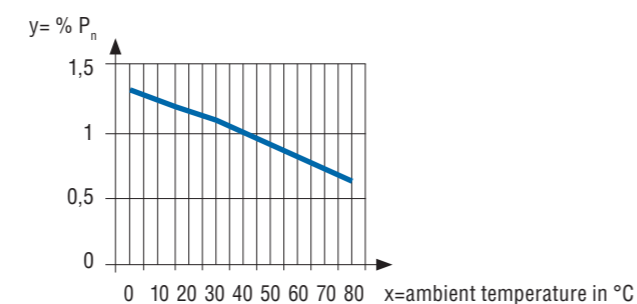
- Continuous service
- Frequency: 50Hz...60Hz
- Protection degree: IP00
- Installation up to 1000m a.s.l.
- Ambient temperature: $t_a=40^\circ\text{C}$

Other conditions are allowed according to the following tables:

ALTITUDE:



AMBIENT TEMPERATURE:



Note: tables are in general. Upon request can be provided tables for the various types of transformers.

Intermittent Service: the required power could be calculated for different intermittent services starting from the following parameters:

- rated power (P_n)
- working time (T_{on})
- resting time (T_{off})

Intermittent rated power P_{int}

$$P_{int} = P_n \times \sqrt{\frac{T_{on}}{T_{on} + T_{off}}} \times 1,1$$

For example: rated load = 500VA

$T_{on} = 10'$

$T_{off} = 20'$

$$P_{int} = 500 \times \sqrt{\frac{10}{10+20}} \times 1,1$$

350VA transformer is enough.

Protection Devices: as general rule the transformer should be protected against short-circuits on the primary, against over-loads on the secondary. In both cases with delaying fuses (T) or with magneto-thermal switches with delayed tripping curve. Secondary protection calculation (against over-load) has no problems: EN 61558-1 standards provide a tolerance of $\pm 10\%$ on the rated secondary current and in any case on the external label it is indicated the fuse dimension. The primary protection calculation (against the short-circuit) is more difficult. It should be noted that a current peak (I_e) is generated at insertion moment which is 20-30 times I_n for about 10ms without protection that will occur in case of short-circuit.

Protection against short-circuit

Pn VA	Input voltage		Output voltage	
	230V	400V	24V	115V
50	0,50	0,315	2	0,40
75	0,80	0,40	3,15	0,63
100	1	0,63	4	1
150	1,50	0,80/1	6,3	1,25
200	2	1,25	8	1,6
250	2,50	1,6	10	2
300	3	1,6	12	2,5
400	3,15	2,5	15	3,15/4
500	4	3	25	4/5
630	5	4	-	5/6,3
800	6	5	-	8
1000	8	6,30	-	8/10

It is necessary to know the short-circuit current, considering also the farthest point of the line transformer-user.

Known data:

V_2 = transformer output voltage

V_{cc} = short-circuit voltage in % (see catalogue)

P_n = transformer rated power

L = line length in meters

S = section of the conductor in m^2

$$I_{2cc} = \frac{V_2}{\frac{V_2^2}{P_n} \times \frac{V_{cc}(\%)}{100} + \frac{0,036 \times L (m)}{S (mm^2)}}$$

In general it is enough to consider a protection calculated as 1,5-2,5 $\times I_n$ prim.

The table below is for single-phase transformers from 50VA to 1000VA with voltages 230-400/24V or 115V

Single-phase transformers - Protections with delaying fuses "T" serie



METH srl

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Optidrive E3 Datasheet

Model: ODE-3-320153-1042

Input Ratings

Supply Voltage	200-240V
Input Phases	1
Supply Current Continuous	29.2 Amps
Supply Fuse or MCB (Type B)	40 Amps

Output Ratings

Motor Output Rating	5 HP
Output Voltage	0 – Supply Voltage
Output Current	15.3 Amps

Cable Information

Max Supply Cable Size	8 mm ²
Max Motor Cable Size	8 mm ²
Max motor cable length	100 metres

VFD Factory Build Options

EMC Filter	No Internal EMC Filter
Brake Transistor	Internal Brake Transistor
Enclosure	IP20

Installation Options & Peripherals

- ▶ **Braking Resistors**
- ▶ **Communication Interfaces**
- ▶ **I/O Options**
- ▶ **Optistick Smart**
- ▶ **Output Filters**
- ▶ **Remote Keypads**
- ▶ **RJ45 Accessories**
- ▶ **USB PC Connection Kit**



Dimensions



Size	3
Height	261mm
Width	131mm
Depth	175mm
Weight	3.2Kg
Fixings	4 x M5

Piezo Sound Alarm



Part No_ (See attached chart for specific information for your model)



The PW and PB series of panel mount piezo sound alarms was designed to be a cost-effective audible alarm for use in industrial control systems. It is molded from tough GE Valox, weatherproof and suitable for use in corrosive environments, outdoor and indoor.

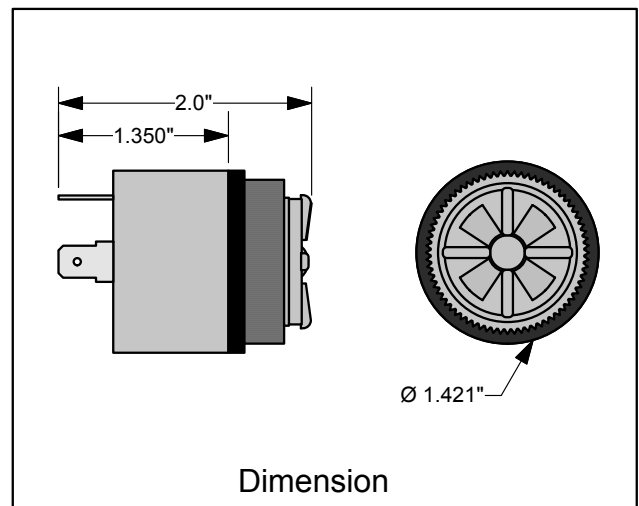
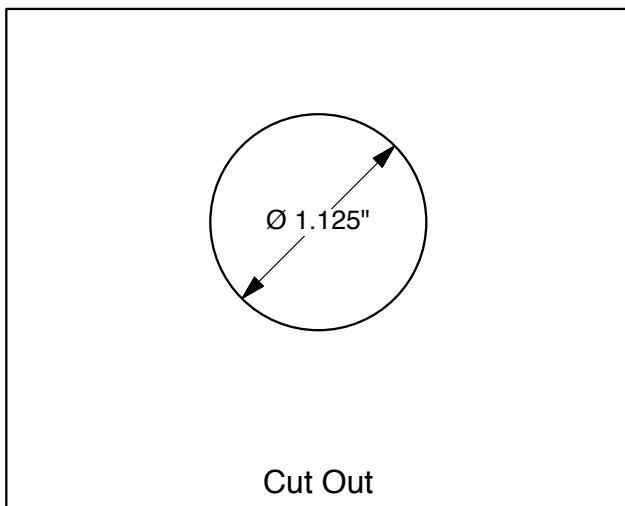
*** Most models will work with Ingram's SM120A Silence Module. The exceptions are the PB515DUW/UC-X or PB628DUW/UC-X**

Features

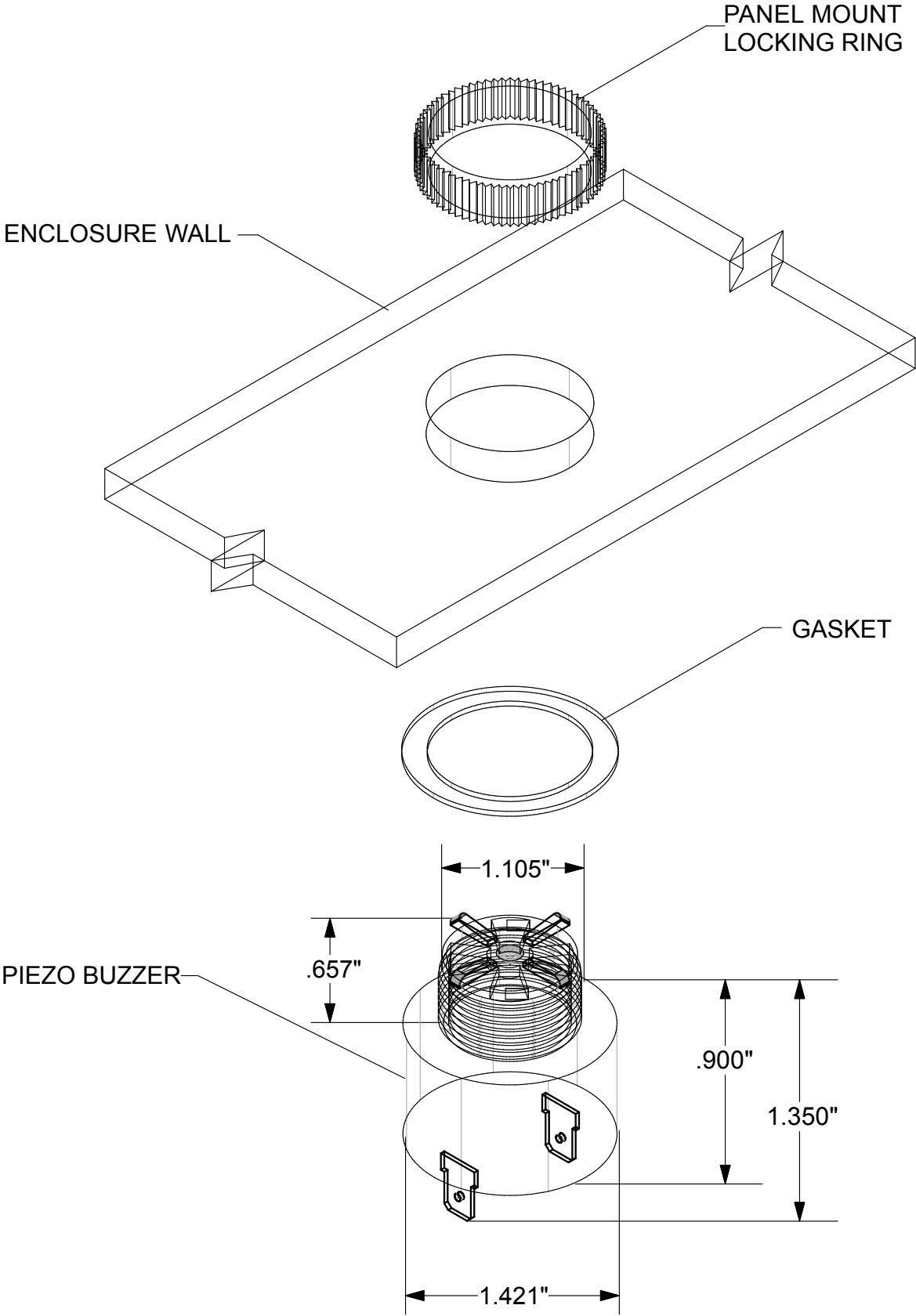
- Distinctive tones cut through ambient noise
- UL Recognized (E175530) for use in UL Type 3,3R, 4X, 12 and 13 environments
- Also meets NEMA 3, 3R, 4X, 12 and 13 requirements
- All solid state construction = reliability
- Encapsulated for durability and corrosion resistance
- Molded from tough GE Valox
- Low power consumption
- Installs in 1.125" hole or 3/4" standard K.O.
- Comes with gasket installed
- PW Series available in Red or Black
- PB Series available in Black

Technical Specifications

- Sound output: Varies by model (see chart)
 - 95dB min @ 2 Feet
 - 103dB min @ 2 Feet
 - 108dB min @ 2 Feet
- Resonant frequency 2.9± 0.5kHz
- Operating voltage: See Chart
- Maximum current draw: See Chart
- Operating temperature: -20°C to 50°C
- Electrical connections: 1/4" Quick connect terminals.
- Fits panels up to 1/4" thick
- Comes with manual volume Damper (removable)
- Multitone buzzers have 3 terminals



Piezo Installation



Piezo Sound Alarm Models



Ingram Part #	Voltage	Current Max	Tone Type	Output	UL & Nema Rating
PW120A	40 to 130 VAC	40.0 mA	Warble	95dB	3, 3R, 4, 4X, 12 & 13
PW24D	10 to 28 VDC	30.0 mA	Warble	95dB	3, 3R, 4, 4X, 12 & 13
PW12D	4 to 15 VDC	30.0 mA	Warble	95dB	3, 3R, 4, 4X, 12 & 13
PB120AMB-X	120 VAC	20.0 mA	Medium Loud Beep	95dB	3, 3R, 4, 4X, 12 & 13
PB120AXC-X	120 VAC	30.0 mA	Extra Loud Continuous	103dB	3, 3R, 4, 4X, 12 & 13
PB120AMC-X	120 VAC	30.0 mA	Medium Loud Continuous	95dB	3, 3R, 4, 4X, 12 & 13
PB530ADMC-X	5 to 30 AC/DC	30.0 mA	Medium Loud Continuous	95dB	3, 3R, 4, 4X, 12 & 13
PB330DXCX-X	3 to 30 VDC	30.0 mA	Extra Loud Continuous	103dB	3, 3R, 4, 4X, 12 & 13
PB524ADMW-X	5 to 24 AC/DC	25.0 mA	Medium Loud Warble	95dB	3, 3R, 4, 4X, 12 & 13
PB525DCH-X	5 to 25 VDC	40.0 mA	Chime	95dB	3, 3R, 4, 4X, 12 & 13
PB628DUT-X	6 to 28 VDC	50.0 mA	Ultra Loud Staccato	108dB	3, 3R, 4, 4X, 12 & 13
PB628DUS-X	6 to 28 VDC	50.0 mA	Ultra Loud Siren	108dB	3, 3R, 4, 4X, 12 & 13
PB628DUW-X	6 to 28 VDC	50.0 mA	Ultra Loud Warble	108dB	3, 3R, 4, 4X, 12 & 13
PB515DUW/UC-X	5 to 15 VDC	50.0 mA	Ultra Loud Warble or Continuous	108dB	3, 3R, 4, 4X, 12 & 13
PB628DUW/UC-X	6 to 18 VDC	50.0 mA	Ultra Loud Warble or Continuous	108dB	3, 3R, 4, 4X, 12 & 13
PB624ADFB-X	6 to 24 AC/DC	40.0 mA	Fast Beep	95dB	3, 3R, 4, 4X, 12 & 13
PB120AFB-X	120 VAC	60.0 mA	Fast Beep	95dB	3, 3R, 4, 4X, 12 & 13
PB120AFS-X	120 VAC	40.0 mA	Fast Siren	95dB	3, 3R, 4, 4X, 12 & 13
PB630ADFS-X	6 to 30 AC/DC	60.0 mA	Fast Siren	95dB	3, 3R, 4, 4X, 12 & 13

Also Available:

PS12DWOGD - Same as PW12D but without gasket and damper

Relè Series C

Relè Industriali



General Purpose Relays designed to switch up to 10 Amps 250V AC1 or 30V DC1. Internationally accepted for any industrial application due to their popular 8-11 pin plug-in connection to socket.

All-or-Nothing relays meeting IEC-VDE-CSA-UL international standards. A wide range of sockets being also available to complete the series (see exclusive literature).

Specification

Insulation resistance @ 500 VDC	(all circuits)	>500 Mohm
Insulation group	(VDE 110)	I Group C - 250 VAC
Pollution degree / Insulation voltage	(EN 61810-1)	2 / 250 VAC
Environmental protection	(EN 61810-1)	RT I (dust protected)
Enclosure classification	(EN 60529)	IP 40
Mechanical life expectancy		10 million operations
Electrical life expectancy		100,000 operations
Max operating frequency @ no load		18,000 ops./ hour
Max operating frequency @ rated load		1,200 ops./ hour
Surrounding ambient temperature		- 40... + 55° C
Storage temperature		- 40... + 80° C
Vibration	(45-100Hz)	10 g
Shock resistance	(11 ms)	10 g
Overvoltage class		III
Impulse withstand voltage peak		3.6 KV
Type of duty		continuous
Mounting position		any
Weight	(approx.)	80 grams



Environmental compatibility
(European Directive 2002/95/CE)

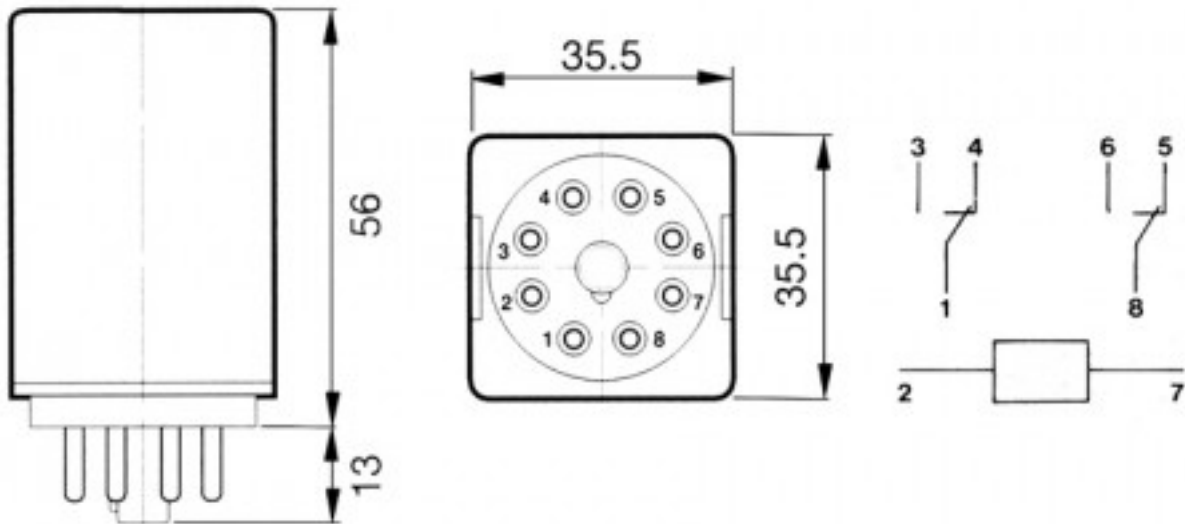
Relè Series C

Proof Voltage & Times

DIELECTRIC STRENGTH		OPERATING TIMES	@ Rated Voltage	
Coil / contacts	3,750V RMS	Operate (+ bounces)	max 25	milliseconds
Adjacnt contacts	1,250V RMS	Release (+ bounces)	max 25	milliseconds
Open contacts	750V RMS	Bounces	max 20	milliseconds
Ground / live parts	4,000V RMS			

Relè Series C

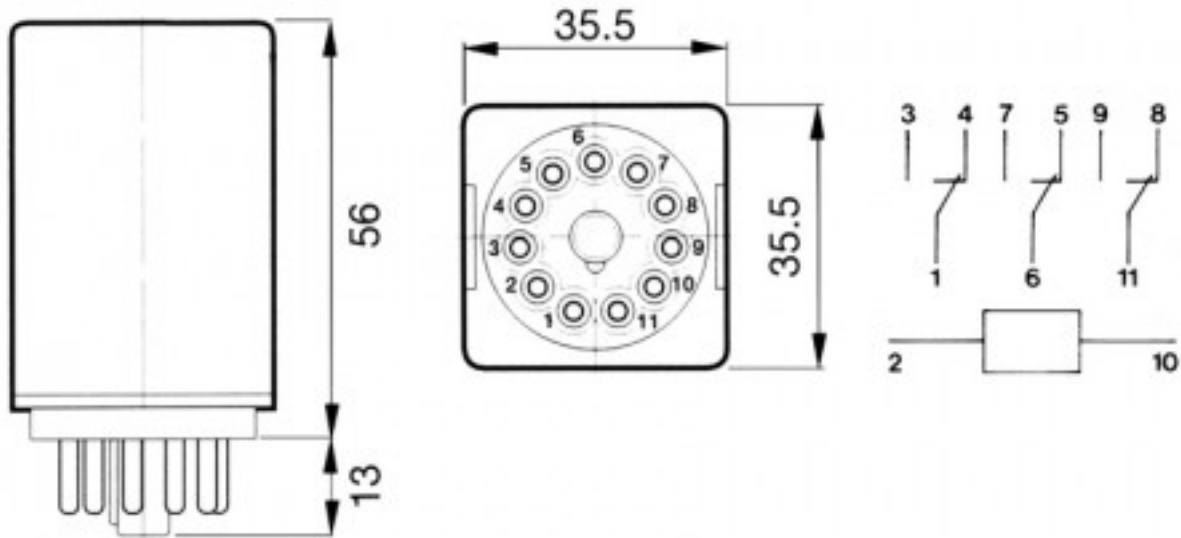
Available Types



C4-2 - 2 pole changeover 10A - 250V AC

Connection: plug-in (8 pin)
Flag indicator of state
Protective dust cover
LED coil supply indicator
Push-to-test / turn-to-lock button
Identification label

Relè Series C



C4-3 - 3 pole changeover 10A - 250V AC

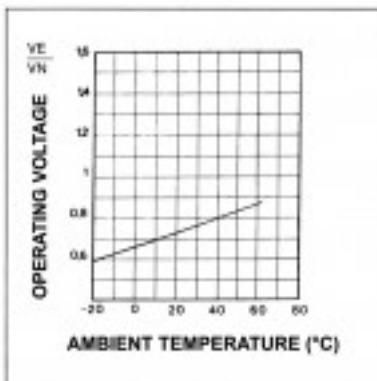
Connection: plug-in (11 pin)
 Flag indicator of state
 Protective dust cover
 LED coil supply indicator
 Push-to-test / turn-to-lock button
 Identification label

Relè Series C

Coil Data

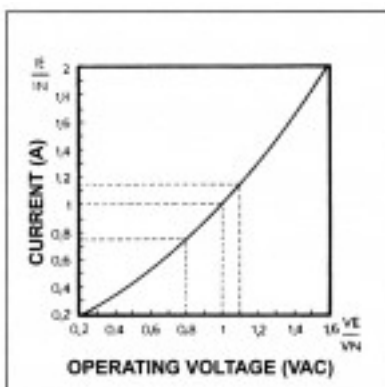
Nominal Voltage	Direct	Current	Alternating	Current	
	Current I	Resistance R (*)	Current I (50Hz)	Current I (60Hz)	Resistance R (*)
V	mA	ohm	mA	mA	ohm
6	250	22,5	420	380	4
12	125	90	210	190	16
24	63	360	105	95	70
48	31	1440	52	45	320
60	25	2250	-	-	-
110	14	7900	-	-	-
115	-	-	22	20	1600
230	-	-	11	10	6800
(*) Resistance values @ 23° C		Tolerance on R and I:	+/- 10%		

Supply voltages:
 6-12-24-48-115-230 VAC (50-60Hz) / 6-12-24-48-60-110 VDC
 Rated power:
 2.5 VA @ 50Hz (AC) / 2.2 VA @ 60Hz (AC) / 1.5 W (DC)
 Operating range:
 - 20%... + 10% (DC & AC-50Hz) / - 15%... + 10% (AC-60Hz)
 Minimum hold voltage:
 > 80% Vn (AC) / > 50% Vn (DC)
 Must release voltage:
 < 15% Vn (AC) / < 5% Vn (DC)
 Thermic insulation class of winding (IEC 317):
 F (155°C)



Min operating voltage (DC)
 Vs. ambient temperature

VE = Operating voltage
 VN = Rated voltage



Power variation Vs.
 operating voltage
 (AC - 50/60Hz)

IE = Operating current
 IN = Rated current

Relè Series C

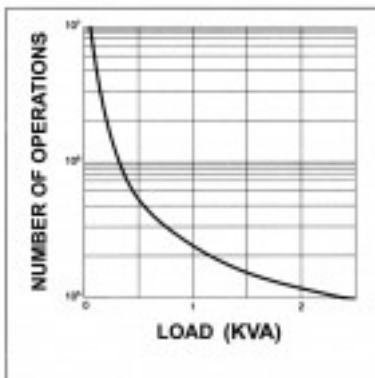
Contact Data

Power rating (AC1)	2,500 VA	Minimum voltage	10 VAC
Rated current (cosphi 1)	10 A	Switching power (DC1)	300 W
Max instant. current (*)	15 A	Min. switched load	600 mW
Single-phase motor load (**)	1/3 HP	Min. switched current	5 mA
Rated voltage	250 VAC / 30 VDC	Initial resistance (***)	Max. 100 milliohm
Max switched voltage	500 VAC / 240 VDC	Standard material	Ag90%-CdO10%

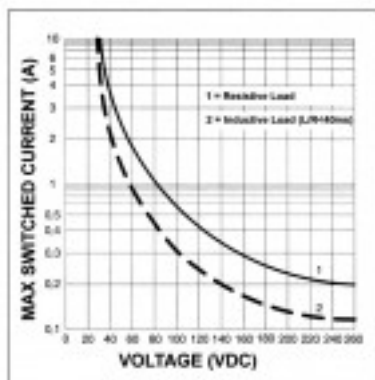
(*) Maximum admitted time 0.5 seconds - ED = 0.1

(**) Cosphi 0.7 - 250VAC Max

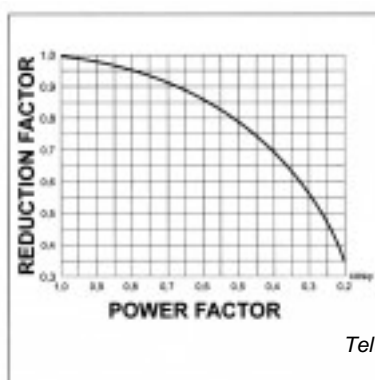
(***) Contact category (EN 61810-7): CC2 (1A-30V)



Contact life Vs. AC1 load
@ 1200 operations/hour



Switching power (DC1)
@ 1200 operations/hour



Reduction factor for
inductive AC1 loads

Relè Series C

Approvals



Relè Series C

ERC

SCE-47VR2414

Product Specifications:



Part Number: SCE-47VR2414
Description: Enclosure, Vented Type 3R
Height: 47.00"
Width: 24.00"
Depth: 14.00"
Price Code: N3
List Price: \$1,027.03
Catalog Page: 104
Est. Ship Weight: 160.17 lbs
Fan Size: 10"
Filter Size: FLT66
Fan Qty: 1
CFM@60Hz: 665
System CFM: 300
Fan Volts: 115

Construction

- * 0.075 In. Galvannealed steel.
- * Black Quarter turn latches and Padlock Wing knob.
- * Provisions for subpanel.
- * Doors open 180 degrees.
- * Concealed hinges.
- * Vented top hood with bug screen.
- * Top mounted fans.
- * Vented rain hood with Filter kits in door.
- * Din Rail mounting provisions inside top for installation of thermostat and terminals.
- * Oil resistant gasket.
- * Ground studs on door and body.
- * Mounting Holes for optional Mounting Straps.
- * 3/8-16 Grounding Kit.
- * Subpanel mounting hardware.

Application

Designed to house electrical controls, drives, instruments and components used in an outdoor environment to provide a degree of protection for the equipment inside the enclosure against ingress of solid foreign objects (falling dirt); and provide a degree of protection with respect to the harmful effects on the equipment due to the ingress of water (rain, sleet, snow).

Options

Optional mounting straps available.

Finish

White powder coating inside and out. Optional sub-panels are powder coated white.

Industry Standards - (IS7)

- * NEMA Type 3R
- * UL Listed Type 3R
- * CSA Type 3R
- * IEC 60529
- * IP 32

Optional Accessories

- SCE-42P24 Subpanel, Bent
- SCE-CF10 Fan, Cooling (10in.)
- SCE-DF42EL24LP Panel, Dead Front (Wall Mount)
- SCE-FLT66 Assembly, Filter
- SCE-HYGRO Hygrostat
- SCE-LLB7 Lifting Lug, Bolt On
- SCE-TEMD Thermostat (Dual)
- SCE-TEMNC Thermostat (Normally Closed)
- SCE-TEMNO Thermostat (Normally Open)
- SCE-VRMS24 Mtg. Straps, Vented 3R

Similar Part Numbers

- SCE-35VR2412 Enclosure, Vented Type 3R
- SCE-41VR2412 Enclosure, Vented Type 3R
- SCE-53VR3616 Enclosure, Vented Type 3R

Installation Information

- * Cooling Fan

UL(AC), DL(DC) Series

UL489 Miniature Molded Case Circuit Breakers

- Available in AC and DC models
- DIN Rail Mounted
- 17.5mm width
- Thermal Magnetic
- Current Limiting (UL tested)
- 240V, 480Y/277V AC, 50/60Hz
- 125V DC (1 pole); 250V DC (2 pole)
- 10kA Short Circuit Interrupting Capacity
- HACR Type 40°C
- Line/Load reversible



IEC 60947-2
Short Circuit Tested

Current/ Voltage Rating

UL-Series 0.3 - 63A/ 240V AC, 0.3-32A/ 480Y/277V AC* (48V DC / pole pending)

DL-Series 0.3 - 63A/ 125/ 250V DC

Calibration Temperature 40°C (104°F)

Ambient Temperature -25°C to +55°C (-13°F to 131°F)

Storage Temperature -40°C to +70°C (-40°F to 158°F)

Terminal Size Acceptability Top: 18-3 AWG; Bottom: 18-2 AWG

Terminal Torque (min/max) 2 Nm (17.7 lb.in.) / 2.5Nm (22.2 lb.in)

Electrical Life 6,000 switching cycles ON/ OFF

Mechanical Life 10,000 switching cycles ON/ OFF

Vibration Resistance > 15g according to DIN EN 60069-2-59 during a load with $I_1 = 1.05 \times I_N$

Resistance to mechanical shocks 25g @ 11ms

Degree of protection acc. IEC/EN 60529 IP20

Mounting Orientation In any plane

*One device, dual voltage ratings.

Short Circuit Interrupting Capacity According to UL 489

No. Poles	Type	0.3-32A	40-63A
1	AC	10kA @ 120, 240, 277V	10kA @ 120, 240V
2-3	AC	10kA @ 120, 240, 480Y/277V	10kA @ 120 240V

No. Poles	Type	0.3-32A	40-63A
1	DC	10kA @ 125V	10kA @ 125V
2	DC	10kA @ 250V	10kA @ 250V

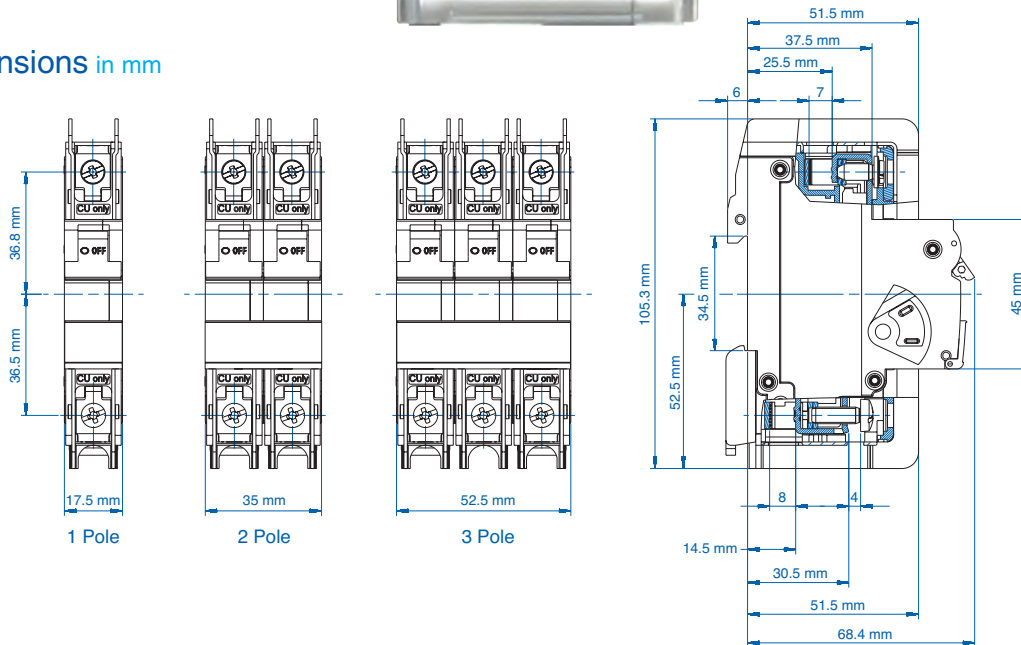
Short Circuit Interrupting Capacity According to IEC 60947-2, DIN EN 60947-2

No. Poles	Type	0.3-32	40-63A
1	AC	15kA@240V	15kA@240V
2-3	AC	15kA@415V	10kA@415V

Marking Details



Dimensions in mm



Trip-Characteristics*				Applications								
Characteristic Trip Boundaries				Lighting Wiring Protection Control Circuits	Business Equipment Appliances	Transformers	Power Supplies Heaters	Motors		Reactive Load	Telecommu- nications/ Computer Equipment	Power Supplies
Thermal Trip		Magnetic Trip						Low Inrush	High Inrush			
Must not Trip>100ms	Must Trip <1hr	Must not Trip>100ms	Must Trip at 100ms									
C-Characteristics AC												
1.05xRC	1.35xRC	5xRC	10xRC									
C-Characteristics DC												
1.05xRC	1.35xRC	7xRC	14xRC									
D-Characteristics AC												
1.05xRC	1.35xRC	10xRC	16xRC									
D-Characteristics DC												
1.05xRC	1.35xRC	14xRC	22.4xRC									

*The value of each characteristic is shown vertically beneath its corresponding heading.



Warning!

This information should only be used as a selection guide. The use of a Miniature Circuit Breaker in an application with a certain Trip-Characteristic always requires prototype testing! It is the responsibility of the circuit design engineer to select the appropriate Miniature Circuit Breaker for his specific application.

UL 489

UL 508

UL 1077

UL 1077
Equipment Breakers

Earth Leakage
Circuit Breakers

ANNEX

UL - Series

C-Trip Characteristic



Application Examples:

Low inrush motors, resistive loads, wiring protection, receptacles, lighting, and control circuit applications. Relatively short thermal trip delay and medium magnetic trip point.



One Pole

Rated Current	Type/ Cat. No.	Rated Voltage
0.3A	1C03UL	277V AC
0.5A	1C05UL	277V AC
1.0A	1C1UL	277V AC
1.6A	1C1.6UL	277V AC
2.0A	1C2UL	277V AC
3.0A	1C3UL	277V AC
4.0A	1C4UL	277V AC
5.0A	1C5UL	277V AC
6.0A	1C6UL	277V AC
8.0A	1C8UL	277V AC
10A	1C10UL	277V AC
12A	1C12UL	277V AC
13A	1C13UL	277V AC
15A	1C15UL	277V AC
16A	1C16UL	277V AC
20A	1C20UL	277V AC
25A	1C25UL	277V AC
30A	1C30UL	277V AC
32A	1C32UL	277V AC
40A	1C40UL	240V AC
50A	1C50UL	240V AC
60A	1C60UL	240V AC
63A	1C63UL	240V AC

Standard Pack: 12

Weight:
0.3-32A:
1.74kg (3.83lb.)

40-63A:
1.98kg (4.37lb.)



Three Pole

Rated Current	Type/ Cat. No.	Rated Voltage
0.3A	3C03UL	480Y/277V AC
0.5A	3C05UL	480Y/277V AC
1.0A	3C1UL	480Y/277V AC
1.6A	3C1.6UL	480Y/277V AC
2.0A	3C2UL	480Y/277V AC
3.0A	3C3UL	480Y/277V AC
4.0A	3C4UL	480Y/277V AC
5.0A	3C5UL	480Y/277V AC
6.0A	3C6UL	480Y/277V AC
8.0A	3C8UL	480Y/277V AC
10A	3C10UL	480Y/277V AC
12A	3C12UL	480Y/277V AC
13A	3C13UL	480Y/277V AC
15A	3C15UL	480Y/277V AC
16A	3C16UL	480Y/277V AC
20A	3C20UL	480Y/277V AC
25A	3C25UL	480Y/277V AC
30A	3C30UL	480Y/277V AC
32A	3C32UL	480Y/277V AC
40A	3C40UL	240V AC
50A	3C50UL	240V AC
60A	3C60UL	240V AC
63A	3C63UL	240V AC

Standard Pack: 4

Weight:
0.3-32A:
1.74kg (3.83lb.)

40-63A:
1.98kg (4.37lb.)



Two Pole

Rated Current	Type/ Cat. No.	Rated Voltage
0.3A	2C03UL	480Y/277V AC
0.5A	2C05UL	480Y/277V AC
1.0A	2C1UL	480Y/277V AC
1.6A	2C1.6UL	480Y/277V AC
2.0A	2C2UL	480Y/277V AC
3.0A	2C3UL	480Y/277V AC
4.0A	2C4UL	480Y/277V AC
5.0A	2C5UL	480Y/277V AC
6.0A	2C6UL	480Y/277V AC
8.0A	2C8UL	480Y/277V AC
10A	2C10UL	480Y/277V AC
12A	2C12UL	480Y/277V AC
13A	2C13UL	480Y/277V AC
15A	2C15UL	480Y/277V AC
16A	2C16UL	480Y/277V AC
20A	2C20UL	480Y/277V AC
25A	2C25UL	480Y/277V AC
30A	2C30UL	480Y/277V AC
32A	2C32UL	480Y/277V AC
40A	2C40UL	240V AC
50A	2C50UL	240V AC
60A	2C60UL	240V AC
63A	2C63UL	240V AC

Standard Pack: 6

Weight:
0.3-32A:
1.74kg (3.83lb.)

40-63A:
1.98kg (4.37lb.)



Add-on Neutral Pole

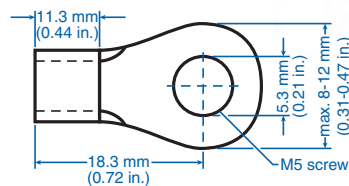
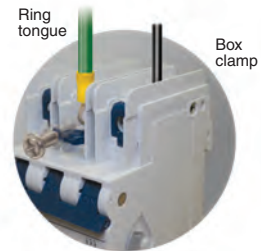
Rated Current	Type/ Cat. No.	Rated Voltage
0.3-32A	N32UL	480Y/277V AC
40-63A	N63UL	240V AC

Standard Pack: 6

Weight:
0.99kg (2.18 lb.)

Standard Dual Connection Terminal

- Box clamp terminals
Top: 18-3 AWG;
Bottom: 18-2 AWG
(Line/Load reversible)
- Ring tongue terminals



* May differ by manufacturer. Top terminal ring tongue max. thickness 1.6mm.

UL - Series

D-Trip

Characteristic



E329510

Application Examples:

High inrush motors, transformers, power supplies, heaters and reactive loads. Relatively long thermal trip delay and very high magnetic trip point.

One Pole



Rated Current	Type/ Cat. No.	Rated Voltage
0.3A	1D03UL	277V AC
0.5A	1D05UL	277V AC
1.0A	1D1UL	277V AC
1.6A	1D1.6UL	277V AC
2.0A	1D2UL	277V AC
3.0A	1D3UL	277V AC
4.0A	1D4UL	277V AC
5.0A	1D5UL	277V AC
6.0A	1D6UL	277V AC
8.0A	1D8UL	277V AC
10A	1D10UL	277V AC
12A	1D12UL	277V AC
13A	1D13UL	277V AC
15A	1D15UL	277V AC
16A	1D16UL	277V AC
20A	1D20UL	277V AC
25A	1D25UL	277V AC
30A	1D30UL	277V AC
32A	1D32UL	277V AC
40A	1D40UL	240V AC
50A	1D50UL	240V AC
60A	1D60UL	240V AC
63A	1D63UL	240V AC

Standard Pack: 12

Weight:
0.3-32A:
1.74kg (3.83lb.)
40-63A:
1.98kg (4.37lb.)

Three Pole



Rated Current	Type/ Cat. No.	Rated Voltage
0.3A	3D03UL	480Y/277V AC
0.5A	3D05UL	480Y/277V AC
1.0A	3D1UL	480Y/277V AC
1.6A	3D1.6UL	480Y/277V AC
2.0A	3D2UL	480Y/277V AC
3.0A	3D3UL	480Y/277V AC
4.0A	3D4UL	480Y/277V AC
5.0A	3D5UL	480Y/277V AC
6.0A	3D6UL	480Y/277V AC
8.0A	3D8UL	480Y/277V AC
10A	3D10UL	480Y/277V AC
12A	3D12UL	480Y/277V AC
13A	3D13UL	480Y/277V AC
15A	3D15UL	480Y/277V AC
16A	3D16UL	480Y/277V AC
20A	3D20UL	480Y/277V AC
25A	3D25UL	480Y/277V AC
30A	3D30UL	480Y/277V AC
32A	3D32UL	480Y/277V AC
40A	3D40UL	240V AC
50A	3D50UL	240V AC
60A	3D60UL	240V AC
63A	3D63UL	240V AC

Standard Pack: 4

Weight:
0.3-32A:
1.74kg (3.83lb.)
40-63A:
1.98kg (4.37lb.)

Two Pole



Rated Current	Type/ Cat. No.	Rated Voltage
0.3A	2D03UL	480Y/277V AC
0.5A	2D05UL	480Y/277V AC
1.0A	2D1UL	480Y/277V AC
1.6A	2D1.6UL	480Y/277V AC
2.0A	2D2UL	480Y/277V AC
3.0A	2D3UL	480Y/277V AC
4.0A	2D4UL	480Y/277V AC
5.0A	2D5UL	480Y/277V AC
6.0A	2D6UL	480Y/277V AC
8.0A	2D8UL	480Y/277V AC
10A	2D10UL	480Y/277V AC
12A	2D12UL	480Y/277V AC
13A	2D13UL	480Y/277V AC
15A	2D15UL	480Y/277V AC
16A	2D16UL	480Y/277V AC
20A	2D20UL	480Y/277V AC
25A	2D25UL	480Y/277V AC
30A	2D30UL	480Y/277V AC
32A	2D32UL	480Y/277V AC
40A	2D40UL	240V AC
50A	2D50UL	240V AC
60A	2D60UL	240V AC
63A	2D63UL	240V AC

Standard Pack: 6

Weight:
0.3-32A:
1.74kg (3.83lb.)
40-63A:
1.98kg (4.37lb.)

Add-on Neutral Pole



Rated Current	Type/ Cat. No.	Rated Voltage
0.3-32A	N32UL	480/277V AC
40-63A	N63UL	240V AC

Standard Pack: 6

Weight:
0.99kg (2.18 lb.)

Standard Dual Connection Terminal

- Box clamp terminals
Top: 18-3 AWG;
Bottom: 18-2 AWG
(Line/Load reversible)
- Ring tongue terminals

* May differ by manufacturer. Top terminal ring tongue max. thickness 1.6mm.

UL 489

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UL 1077
Equipment Breakers

Earth Leakage
Circuit Breakers

ANNEX

UL - Series C-Trip (DC) Characteristic

Application Examples:

Telecommunication equipment,
computer equipment, uninterruptable power supplies.



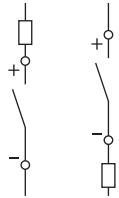
One Pole



Rated Current	Type/ Cat. No.	Rated Voltage
0.3A	1C03DL	125V DC
0.5A	1C05DL	125V DC
1.0A	1C1DL	125V DC
1.6A	1C1.6DL	125V DC
2.0A	1C2DL	125V DC
3.0A	1C3DL	125V DC
4.0A	1C4DL	125V DC
5.0A	1C5DL	125V DC
6.0A	1C6DL	125V DC
8.0A	1C8DL	125V DC
10A	1C10DL	125V DC
12A	1C12DL	125V DC
13A	1C13DL	125V DC
15A	1C15DL	125V DC
16A	1C16DL	125V DC
20A	1C20DL	125V DC
25A	1C25DL	125V DC
30A	1C30DL	125V DC
32A	1C32DL	125V DC
40A	1C40DL	125V DC
50A	1C50DL	125V DC
60A	1C60DL	125V DC
63A	1C63DL	125V DC

Standard Pack: 12

Weight:
0.3-32A:
1.86kg (4.1lb.)
40-63A:
2.10kg (4.6lb.)



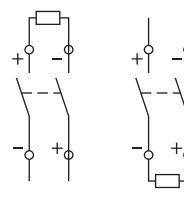
Two Pole



Rated Current	Type/ Cat. No.	Rated Voltage
0.3A	2C03DL	250V DC
0.5A	2C05DL	250V DC
1.0A	2C1DL	250V DC
1.6A	2C1.6DL	250V DC
2.0A	2C2DL	250V DC
3.0A	2C3DL	250V DC
4.0A	2C4DL	250V DC
5.0A	2C5DL	250V DC
6.0A	2C6DL	250V DC
8.0A	2C8DL	250V DC
10A	2C10DL	250V DC
12A	2C12DL	250V DC
13A	2C13DL	250V DC
15A	2C15DL	250V DC
16A	2C16DL	250V DC
20A	2C20DL	250V DC
25A	2C25DL	250V DC
30A	2C30DL	250V DC
32A	2C32DL	250V DC
40A	2C40DL	250V DC
50A	2C50DL	250V DC
60A	2C60DL	250V DC
63A	2C63DL	250V DC

Standard Pack: 6

Weight:
0.3-32A:
1.86kg (4.1lb.)
40-63A:
2.10kg (4.6lb.)



Warning!
Correct polarity must be observed
when connecting the DC circuit breakers.



Standard Dual Connection Terminal

- Box clamp terminals
Top: 18-3 AWG;
Bottom: 18-2 AWG
(Line/Load reversible)
- Ring tongue terminals

11.3 mm (0.44 in.)
18.3 mm (0.72 in.)
5.3 mm (0.21 in.)
max. 8-12 mm (0.31-0.47 in.)
M5 screw

Ring tongue
Box clamp

* May differ by manufacturer. Top terminal ring tongue max. thickness 1.6mm.

UL - Series D-Trip (DC) Characteristic

Application Examples:

Telecommunication equipment,
computer equipment, uninterruptable power supplies.



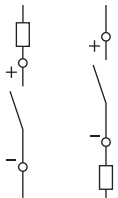
One Pole



Rated Current	Type/ Cat. No.	Rated Voltage
0.3A	1D03DL	125V DC
0.5A	1D05DL	125V DC
1.0A	1D1DL	125V DC
1.6A	1D1.6DL	125V DC
2.0A	1D2DL	125V DC
3.0A	1D3DL	125V DC
4.0A	1D4DL	125V DC
5.0A	1D5DL	125V DC
6.0A	1D6DL	125V DC
8.0A	1D8DL	125V DC
10A	1D10DL	125V DC
12A	1D12DL	125V DC
13A	1D13DL	125V DC
15A	1D15DL	125V DC
16A	1D16DL	125V DC
20A	1D20DL	125V DC
25A	1D25DL	125V DC
30A	1D30DL	125V DC
32A	1D32DL	125V DC
40A	1D40DL	125V DC
50A	1D50DL	125V DC
60A	1D60DL	125V DC
63A	1D63DL	125V DC

Standard Pack: 12

Weight:
0.3-32A:
1.86kg (4.1lb.)
40-63A:
2.10kg (4.6lb.)



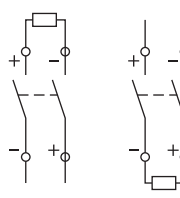
Two Pole



Rated Current	Type/ Cat. No.	Rated Voltage
0.3A	2D03DL	250V DC
0.5A	2D05DL	250V DC
1.0A	2D1DL	250V DC
1.6A	2D1.6DL	250V DC
2.0A	2D2DL	250V DC
3.0A	2D3DL	250V DC
4.0A	2D4DL	250V DC
5.0A	2D5DL	250V DC
6.0A	2D6DL	250V DC
8.0A	2D8DL	250V DC
10A	2D10DL	250V DC
12A	2D12DL	250V DC
13A	2D13DL	250V DC
15A	2D15DL	250V DC
16A	2D16DL	250V DC
20A	2D20DL	250V DC
25A	2D25DL	250V DC
30A	2D30DL	250V DC
32A	2D32DL	250V DC
40A	2D40DL	250V DC
50A	2D50DL	250V DC
60A	2D60DL	250V DC
63A	2D63DL	250V DC

Standard Pack: 6

Weight:
0.3-32A:
1.86kg (4.1lb.)
40-63A:
2.10kg (4.6lb.)

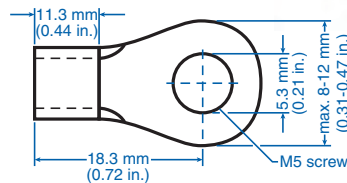
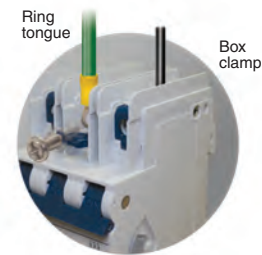


Warning!
Correct polarity must be observed
when connecting the DC circuit breakers.



Standard Dual Connection Terminal

- Box clamp terminals
Top: 18-3 AWG;
Bottom: 18-2 AWG
(Line/Load reversible)
- Ring tongue terminals



* May differ by manufacturer. Top terminal ring tongue max. thickness 1.6mm.

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UL 1077
Equipment Breakers

Earth Leakage
Circuit Breakers

ANNEX

UL/DL Series Accessories

For mounting instructions please refer to page 43.



Auxiliary Contact, Alarm Switch

Type/ Cat No.	Description	Contacts Type	Std Pk
H10UL	1 Auxiliary Contact	1NO	6
H11UL	2 Auxiliary Contacts	1NO + 1NC	6
H12UL	3 Auxiliary Contacts	1NO + 2NC	6
H21UL	3 Auxiliary Contacts	2NO + 1NC	6
HLS11L*	1 Auxiliary/1 Signal Contact	1CO + 1CO (Signal)	6

Rated Operating Currents	10A@240V AC 3A@110V DC 1A@220V DC
--------------------------	---

Minimum Contact Load Torque	1mA @ 24V DC max. 0.8Nm (7 lb.in)
-----------------------------	--------------------------------------

Wire Range:

Single Wire	1.0mm ² - 2.5mm ² (18-14 AWG)
Stranded Wire	1.0mm ² - 1.5mm ² (18-16 AWG)
Stranded Wire with Ferrule	1.0mm ² - 1.5mm ² (18-16 AWG)

Shunt Trip

Type/ Cat No.	Rated Voltage U _N	Max. Operating Current @ U _N	Std Pk
FA12UL	12V AC/DC	1.3A	5
FA24UL	24V AC/DC	0.6A	5
FA48UL	48 - 72V AC/DC	0.2A	5
FA110UL	110 - 240V AC/DC, 277V AC	0.25A @ 110V 0.5A @ 240V 0.58A @ 277V	5

Undervoltage Trip*

Type/ Cat No.	Line Voltage V _E	Std Pk
UA120UL	120V AC, 60Hz	5

Reset-Hold Voltage = 0.85 x V_E

Drop-Out Voltage = 0.35 ~ 0.7 x V_E

V_E = Rated Voltage

Neutral Pole

Type/ Cat No.	Rated Current I _N	Rated Voltage U _N	Std Pk
N32UL	0.3 - 32A	480Y/277V AC	6
N63UL	40 - 63A	240V AC	6

Touch Protection Caps

to cover the terminal screw holes on the switching devices, neutral Poles and shunt trips for increased touch protection.

Type/ Cat No.	Std Pk
BS.UL	100

Cooling Spacer



Type/ Cat No.	Std Pk
15.960	1



Lock-out Adapter**

Type/ Cat No.	Std Pk
E983419	10

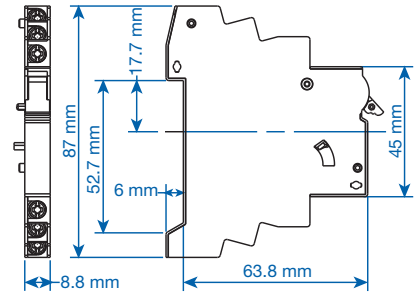
Type/ Cat No.	Std Pk
EASS	10

Mounting Screw 34mm
to connect the auxiliary contact and shunt trip or neutral Pole to the circuit breaker.

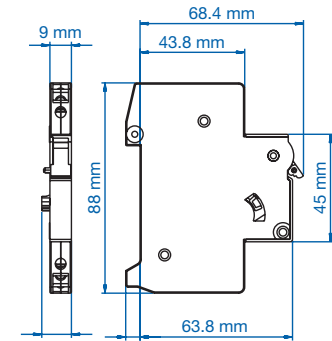


* UL not approved.

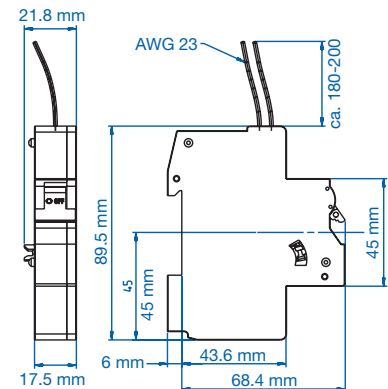
** UL and DL series can also be locked in the on and off position by simply using a common lead or meter seal, which gets fed through the hole in the handle and a corresponding hole in the housing.



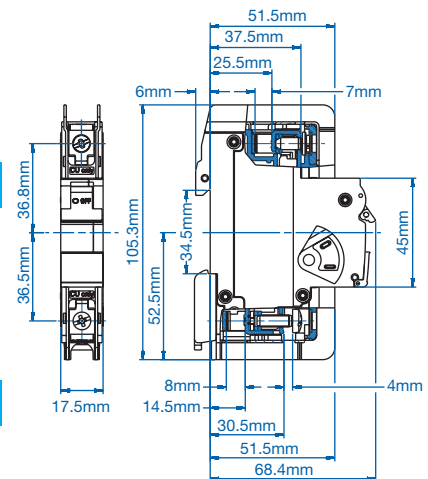
Dimensions HxxUL.



Dimensions HLS11L.



Dimensions UA120UL



Dimensions NxxUL, FxxUL

UL Series (AC) Trip Curves

UL 489

UL 508

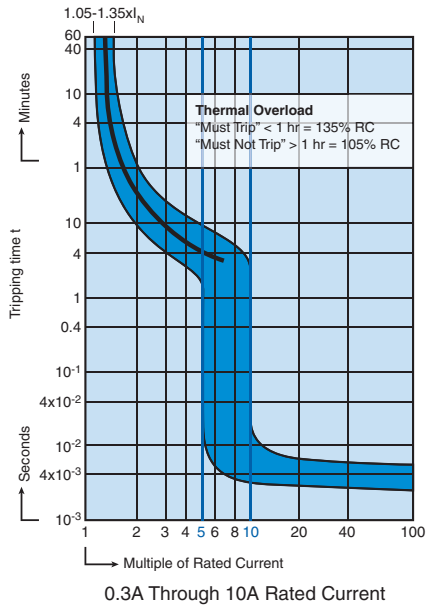
UL 1077

UL 1077
Equipment Breakers

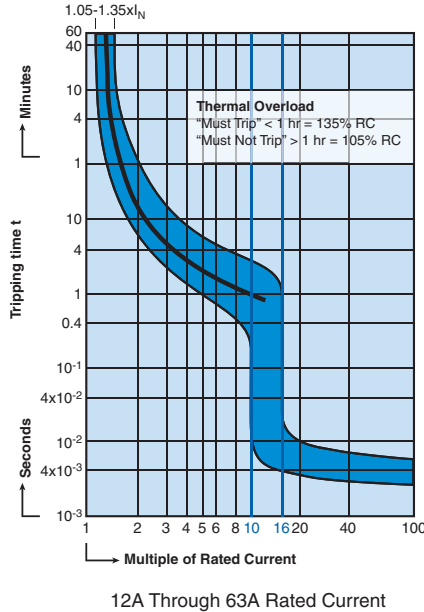
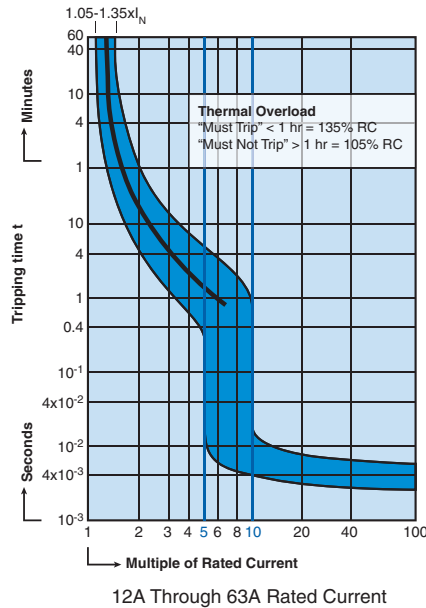
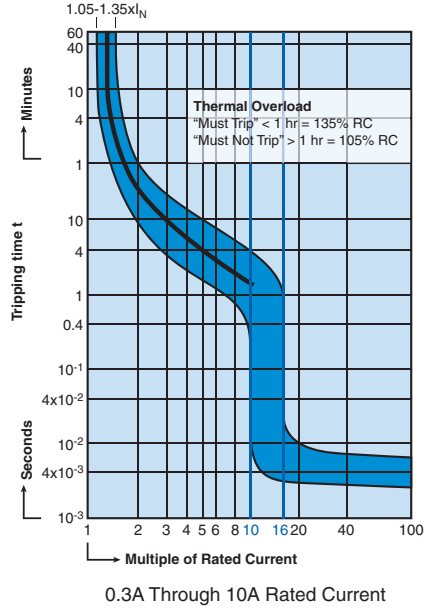
Earth Leakage
Circuit Breakers

ANNEX

C (AC) Trip Curve



D (AC) Trip Curve



"C" Magnetic Trip Parameters Rated current 0.3A to 63A.

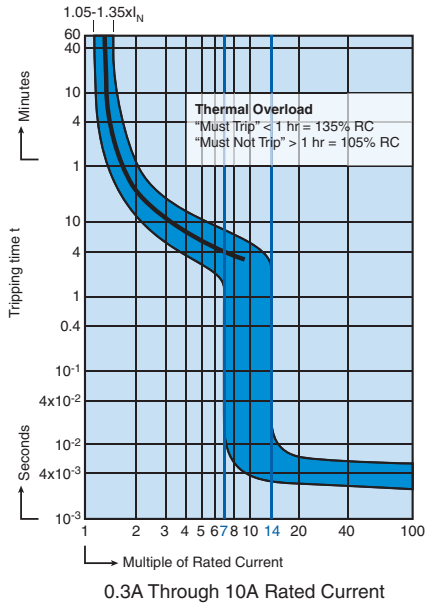
1. Hold for a minimum of 100ms at surge of 5 times rated current.
2. Trip in under 100ms at 10 times rated current.

"D" Magnetic Trip Parameters Rated current 0.3A to 63A.

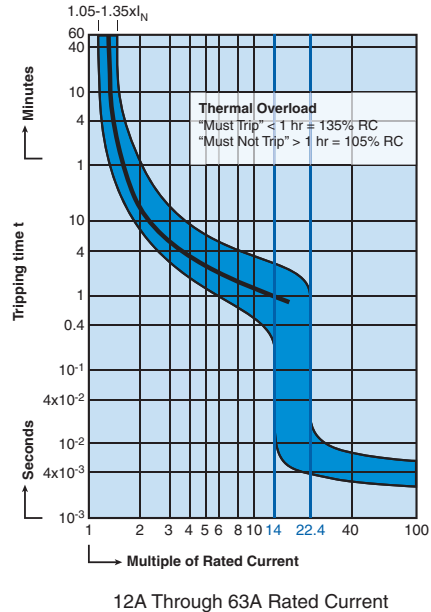
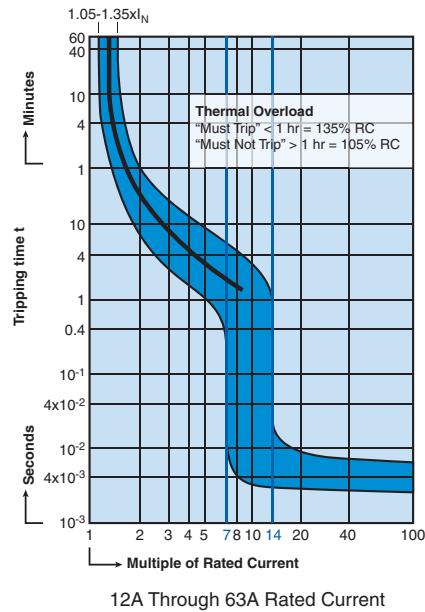
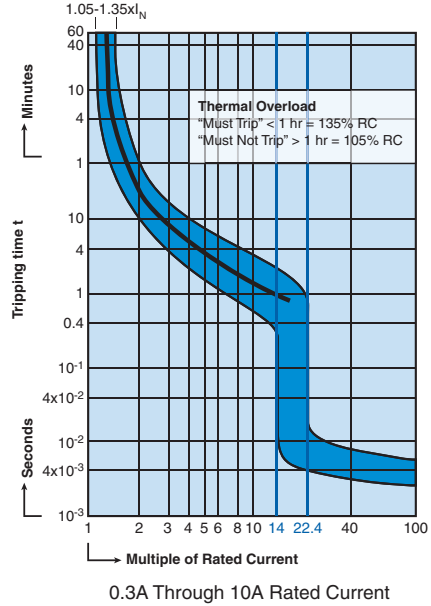
1. Hold for a minimum of 100ms at surge of 10 times rated current.
2. Trip in under 100ms at 16 times rated current.

UL Series (DC) Trip Curves

C (DC) Trip Curve



D (DC) Trip Curve



"C" Magnetic Trip Parameters

Rated current 0.3A to 63A.

1. Hold for a minimum of 100ms at surge of 7 times rated current.
2. Trip in under 100ms at 14 times rated current.

"D" Magnetic Trip Parameters

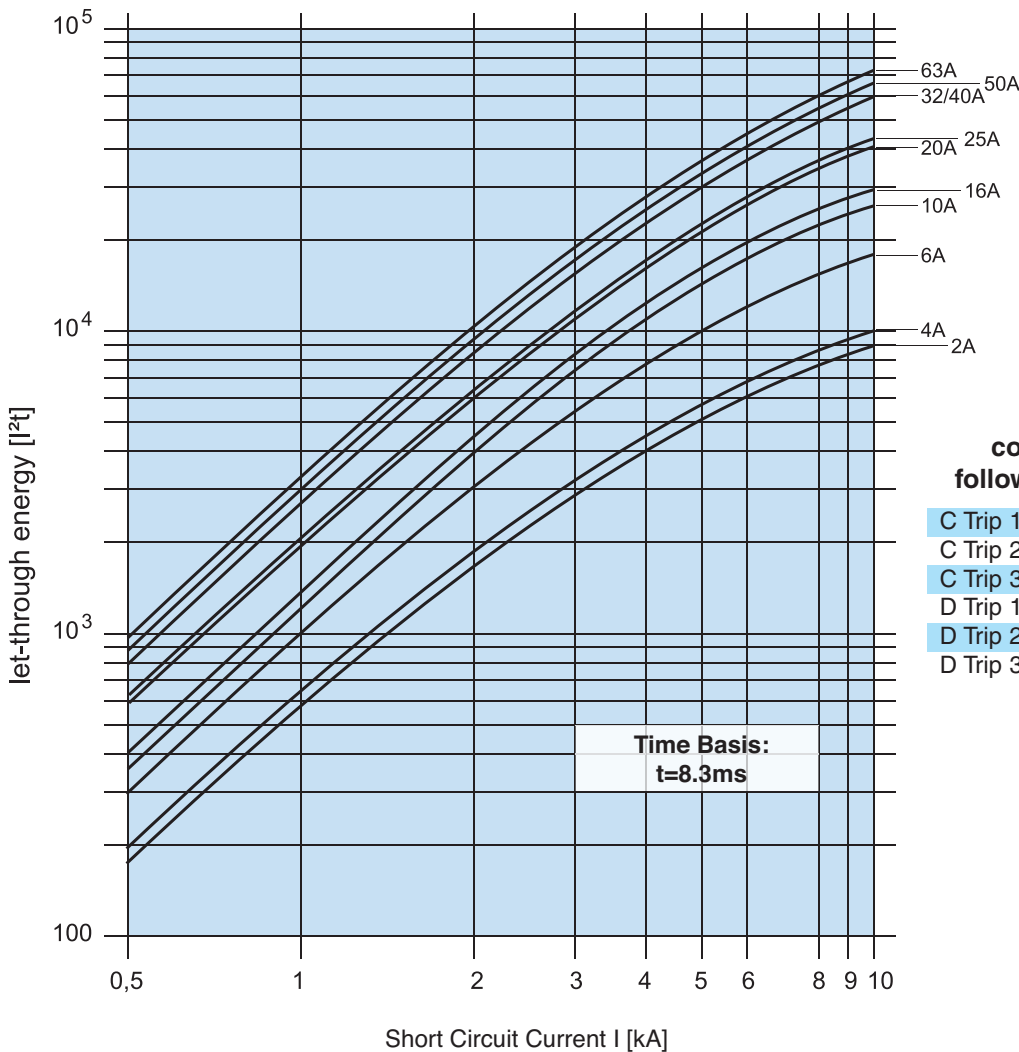
Rated current 0.3A to 63A.

1. Hold for a minimum of 100ms at surge of 14 times rated current.
2. Trip in under 100ms at 22.4 times rated current.

UL/ DL Series Internal Resistance

Rated Current (A)	Trip Characteristic	
	C (Ohm)	D (Ohm)
0.3	16.8620	16.8620
0.5	6.8540	6.0009
1.0	1.7000	1.7560
1.6	0.5870	0.5870
2.0	0.4190	0.4190
3.0	0.2020	0.2020
4.0	0.1090	0.1090
5.0	0.0654	0.0654
6.0	0.0528	0.0491
8.0	0.0278	0.0240
10	0.0216	0.0187
12	0.0084	0.0085
13	0.0084	0.0085
15/ 16	0.0085	0.0076
20	0.0067	0.0064
25	0.0050	0.0041
30/ 32	0.0032	0.0027
40	0.0025	0.0022
50	0.0019	0.0018
60/ 63	0.0018	0.0017

UL Series Let-through Energy I²t Diagram, D Trip 1 pole



UL 489

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Equipment Breakers

Earth Leakage
Circuit Breakers

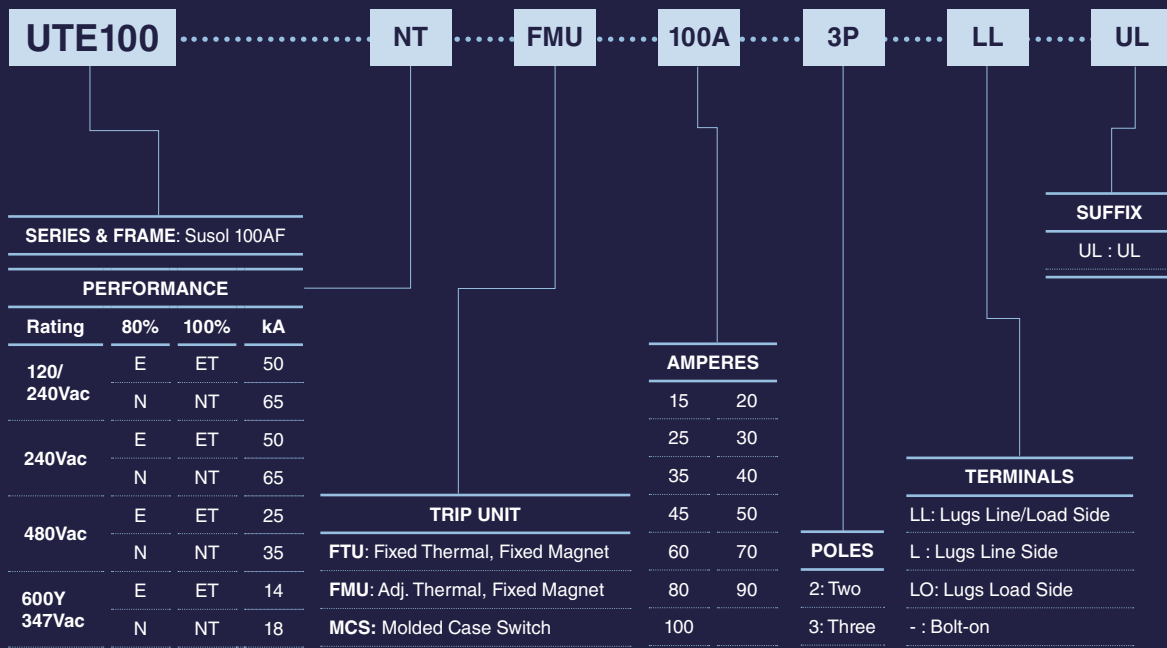
ANNEX

SELECTION GUIDE

UTE100



CATALOG NUMBERING [PRODUCT SELECTION]



UTE100 FRAME

- UTE100 breaker is HACR rated
- SWD switch duty rating
(applied only to 15 and 20A /347Vac or less)
- HID high intensity discharge lighting rating
(15~50A /480Vac or less)

UL489 RATINGS

BREAKER TYPE	NUMBER OF POLES	INTERRUPTING CAPACITY (kA rms) AC 50/60Hz				INTERRUPTING CAPACITY (kA) DC	
		120/240V	240V	480V	600Y 347V	250V DC-2P	500V DC-3P
UTE100E	2, 3	50	50	25	14	16	25
UTE100N	2, 3	65	65	35	18	25	35

IEC60947-2 RATINGS

BREAKER TYPE	NUMBER OF POLES	INTERRUPTING CAPACITY(kA rms) AC 50/60Hz, Icu	
		220/240V	380/415V
UTE100E	2, 3	50	25
UTE100N	2, 3	65	35
Service breaking capacity, Ics (%Icu)		100%	
Insulation Voltage, Ui		750 Vac	
Impulse Withstand Voltage, Uimp		8 kVac	
Utilization Category		A	

DIMENSIONS

POLES	DIMENSIONS inch (mm)		
	H	W	D
2-Pole	5.12 (130)	2.01 (51)	3.44 (87.5)
3-Pole	5.12 (130)	2.99 (76)	3.44 (87.5)

TRIP UNIT TYPES

	THERMAL	MAGNETIC	REMARKS
FTU	Fixed	Fixed	
FMU	Adjustable, 0.8~1 x In	Fixed	
MCS	N.A	Fixed, 10 x In	Magnetic only

CIRCUIT BREAKER

Ampere Rating, In	WITH FTU TRIP UNIT (FIXED THERMAL, FIXED MAGNETIC)			
	50kA at 120/240V, 50kA at 240Vac		65kA at 120/240V, 65kA at 240Vac	
	2-Pole	3-Pole	2-Pole	3-Pole
15A	UTE100-E-FTU-15-2	UTE100-E-FTU-15-3	UTE100-N-FTU-15-2	UTE100-N-FTU-15-3
20A	UTE100-E-FTU-20-2	UTE100-E-FTU-20-3	UTE100-N-FTU-20-2	UTE100-N-FTU-20-3
25A	UTE100-E-FTU-25-2	UTE100-E-FTU-25-3	UTE100-N-FTU-25-2	UTE100-N-FTU-25-3
30A	UTE100-E-FTU-30-2	UTE100-E-FTU-30-3	UTE100-N-FTU-30-2	UTE100-N-FTU-30-3
35A	UTE100-E-FTU-35-2	UTE100-E-FTU-35-3	UTE100-N-FTU-35-2	UTE100-N-FTU-35-3
40A	UTE100-E-FTU-40-2	UTE100-E-FTU-40-3	UTE100-N-FTU-40-2	UTE100-N-FTU-40-3
45A	UTE100-E-FTU-45-2	UTE100-E-FTU-45-3	UTE100-N-FTU-45-2	UTE100-N-FTU-45-3
50A	UTE100-E-FTU-50-2	UTE100-E-FTU-50-3	UTE100-N-FTU-50-2	UTE100-N-FTU-50-3
60A	UTE100-E-FTU-60-2	UTE100-E-FTU-60-3	UTE100-N-FTU-60-2	UTE100-N-FTU-60-3
70A	UTE100-E-FTU-70-2	UTE100-E-FTU-70-3	UTE100-N-FTU-70-2	UTE100-N-FTU-70-3
80A	UTE100-E-FTU-80-2	UTE100-E-FTU-80-3	UTE100-N-FTU-80-2	UTE100-N-FTU-80-3
90A	UTE100-E-FTU-90-2	UTE100-E-FTU-90-3	UTE100-N-FTU-90-2	UTE100-N-FTU-90-3
100A	UTE100-E-FTU-100-2	UTE100-E-FTU-100-3	UTE100-N-FTU-100-2	UTE100-N-FTU-100-3

CIRCUIT BREAKER

WITH FTU TRIP UNIT (FIXED THERMAL, FIXED MAGNETIC)				
Ampere Rating, In	25kA at 480V, 14kA at 600Y 347Vac		35kA at 480V, 18kA at 600Y 347Vac	
	2-Pole	3-Pole	2-Pole	3-Pole
15A	UTE100-E-FTU-15-2	UTE100-E-FTU-15-3	UTE100-N-FTU-15-2	UTE100-N-FTU-15-3
20A	UTE100-E-FTU-20-2	UTE100-E-FTU-20-3	UTE100-N-FTU-20-2	UTE100-N-FTU-20-3
25A	UTE100-E-FTU-25-2	UTE100-E-FTU-25-3	UTE100-N-FTU-25-2	UTE100-N-FTU-25-3
30A	UTE100-E-FTU-30-2	UTE100-E-FTU-30-3	UTE100-N-FTU-30-2	UTE100-N-FTU-30-3
35A	UTE100-E-FTU-35-2	UTE100-E-FTU-35-3	UTE100-N-FTU-35-2	UTE100-N-FTU-35-3
40A	UTE100-E-FTU-40-2	UTE100-E-FTU-40-3	UTE100-N-FTU-40-2	UTE100-N-FTU-40-3
45A	UTE100-E-FTU-45-2	UTE100-E-FTU-45-3	UTE100-N-FTU-45-2	UTE100-N-FTU-45-3
50A	UTE100-E-FTU-50-2	UTE100-E-FTU-50-3	UTE100-N-FTU-50-2	UTE100-N-FTU-50-3
60A	UTE100-E-FTU-60-2	UTE100-E-FTU-60-3	UTE100-N-FTU-60-2	UTE100-N-FTU-60-3
70A	UTE100-E-FTU-70-2	UTE100-E-FTU-70-3	UTE100-N-FTU-70-2	UTE100-N-FTU-70-3
80A	UTE100-E-FTU-80-2	UTE100-E-FTU-80-3	UTE100-N-FTU-80-2	UTE100-N-FTU-80-3
90A	UTE100-E-FTU-90-2	UTE100-E-FTU-90-3	UTE100-N-FTU-90-2	UTE100-N-FTU-90-3
100A	UTE100-E-FTU-100-2	UTE100-E-FTU-100-3	UTE100-N-FTU-100-2	UTE100-N-FTU-100-3

WITH FMU TRIP UNIT (ADJUSTABLE THERMAL, FIXED MAGNETIC)			
Ampere Rating, In	50kA at 120/240V, 50kA at 240Vac		Thermal range
	3-Pole		
25A	UTE100-E-FMU-25-3	UTE100-N-FMU-25-3	20-25A
40A	UTE100-E-FMU-40-3	UTE100-N-FMU-40-3	32-40A
60A	UTE100-E-FMU-60-3	UTE100-N-FMU-60-3	48-60A
80A	UTE100-E-FMU-80-3	UTE100-N-FMU-80-3	64-80A
100A	UTE100-E-FMU-100-3	UTE100-N-FMU-100-3	80-100A

Ampere Rating, In	25kA at 480V, 14kA at 600Y 347Vac		Thermal range
	3-Pole		
25A	UTE100-E-FMU-25-3	UTE100-N-FMU-25-3	20-25A
40A	UTE100-E-FMU-40-3	UTE100-N-FMU-40-3	32-40A
60A	UTE100-E-FMU-60-3	UTE100-N-FMU-60-3	48-60A
80A	UTE100-E-FMU-80-3	UTE100-N-FMU-80-3	64-80A
100A	UTE100-E-FMU-100-3	UTE100-N-FMU-100-3	80-100A

MOLDED CASE SWITCH

WITH MCS TRIP UNIT				
Ampere Rating, In	50kA at 120/240V, 50kA at 240V		65kA at 120/240V, 65kA at 240V	
	2-Pole	3-Pole	2-Pole	3-Pole
100A	UTE100-E-MCS-100-2	UTE100-E-MCS-100-3	UTE100-N-MCS-100-2	UTE100-N-MCS-100-3

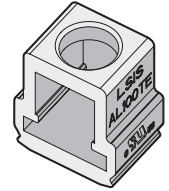
Ampere Rating, In	25kA at 480V, 14kA at 600Y 347Vac		35kA at 480V, 18kA at 600Y 347Vac	
	2-Pole	3-Pole	2-Pole	3-Pole
100A	UTE100-E-MCS-100-2	UTE100-E-MCS-100-3	UTE100-N-MCS-100-2	UTE100-N-MCS-100-3

ACCESSORIES FOR UTE100

MECHANICAL LUGS

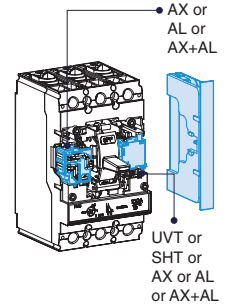
MAXIMUM BREAKER AMPERES	TERMINAL BODY MATERIAL	WIRE TYPE	ORDERING TYPE
100A	Aluminum	Cu/Al	AL100TE

AL100TE 15-100A Lug



INNER ACCESSORIES

DESCRIPTION	CONTROL VOLTAGE	ORDERING TYPE
Auxiliary Switch, AX		
Alarm Switch, AL		
AX + AL		
Shunt Trip, SHT	AC/DC 12V	
	AC/DC 24V	
	AC/DC 48V	
	AC/DC 60V	
	AC/DC 100~130V	
	AC/DC 200~250V	
	AC 380~450V	
Undervoltage Trip, UVT	AC 440~500V	
	AC/DC 24V	
	AC/DC 48V	
	AC/DC 100~110V	
	AC/DC 200~220V	
	AC 380~440V	
	AC 440~480V	



Type	Left(R)	Right(T)
AX	1	1
AL	1	1
AX+AL	1	1
SHT		1
UVT		1

- Applicable in indicated pole position-not synchronous
- 2P : Right only

PADLOCKING DEVICE

DESCRIPTION	ORDERING TYPE
Lock in "OFF" position	PL0



<Pad Lock>

PLATE HANDLE LOCKING DEVICE

DESCRIPTION	ORDERING TYPE
Lock in "OFF" or "ON" position	PHL0



<Plate Handle Lock>

MECHANICAL INTERLOCKING DEVICE

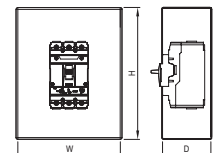
DESCRIPTION	ORDERING TYPE
For 3-Pole breaker	MIT03



<Mechanical Interlock>

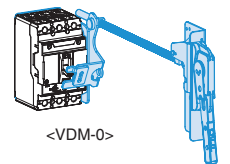
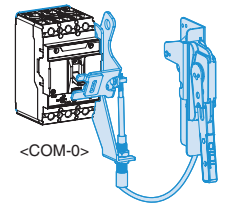
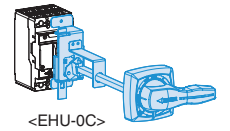
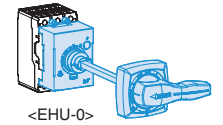
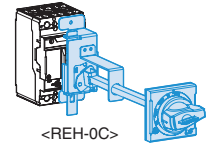
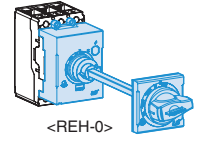
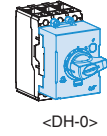
ENCLOSURE

ENCLOSURE DIMENSION (W X H X D) inch(mm)	ORDERING TYPE
8.27(210) x 17.3(439.4) x 4.0(101.6)	-



ROTARY OPERATING HANDLES

DESCRIPTION	TYPE	ORDERING TYPE
Directly Mounted	NEMA Type 1	DH-0
Extended (Door-Mounted)	NEMA Type 1	REH-0
	NEMA Type 1	REH-0C
NEMA Door-Mounted	NEMA Type 1, 12	EHU-0
	NEMA Type 3, 3R, 4	EHV-0
	NEMA Type 3, 4, 4X	EHX-0
	NEMA Type 1, 12	EHU-0C
	NEMA Type 3, 3R, 4	EHV-0C
	NEMA Type 3, 4, 4X	EHX-0C

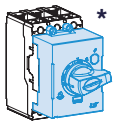
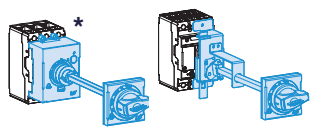
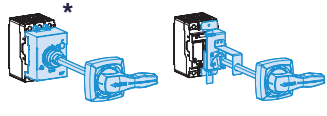
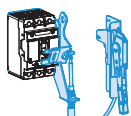
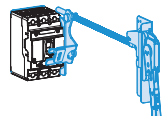


FLANGE HANDLES WITH CABLE OPERATING MECHANISM

DESCRIPTION	TYPE	ORDERING TYPE
Cable operating mechanism (without cable)		COM-0
Standard type handle (with operating mechanism)	NEMA Type 1, 12, 3, 3R, 4	FHU-S
	NEMA Type 4, 4X	FHX-S
Cable	36 inch	FH2-36
	48 inch	FH2-48
	60 inch	FH2-60
	72 inch	FH2-72

FLANGE HANDLES WITH VARIABLE-DEPTH OPERATING MECHANISM

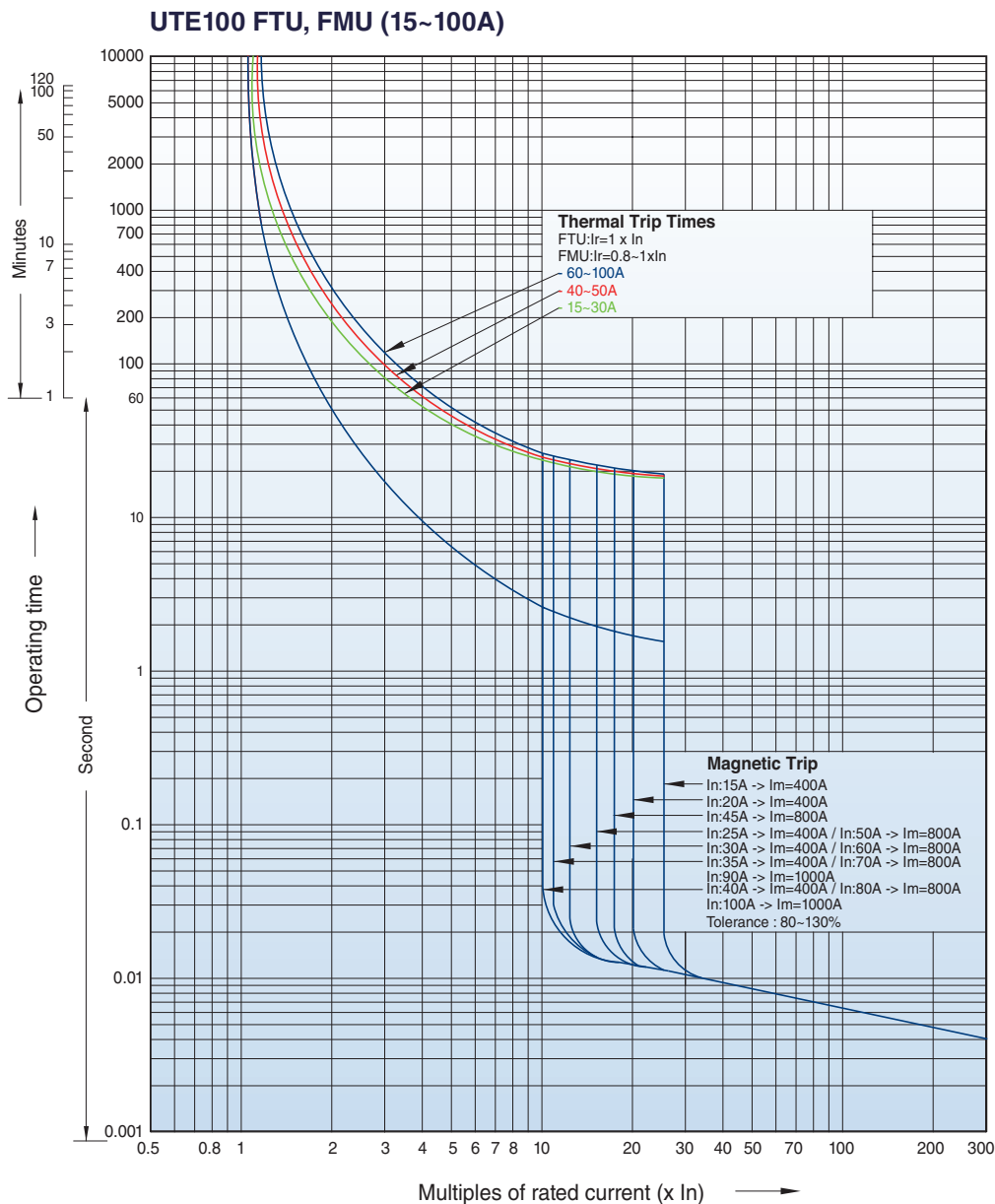
DESCRIPTION	TYPE	ORDERING TYPE
Variable depth operating mechanism with threaded-rod and handle		VDM-0
Standard type handle with operating mechanism	NEMA Type 1, 12, 3, 3R, 4	FHU-S
	NEMA Type 4, 4X	FHX-S

Description	Directly Mounted	Door Mounted	Flange Handle with Cable Operation Mechanism	Flange Handle with Variable Depth Mechanism
NEMA Type 1	 *	 *	-	-
NEMA Type 1, 12, 3, 3R, 4, 4X	-	 *		

* Only 3 Pole

UTE100 CHARACTERISTIC

This curve is to be used for application and coordination purposes only.
All time/current characteristic curve data is based on 40°C ambient cold start.

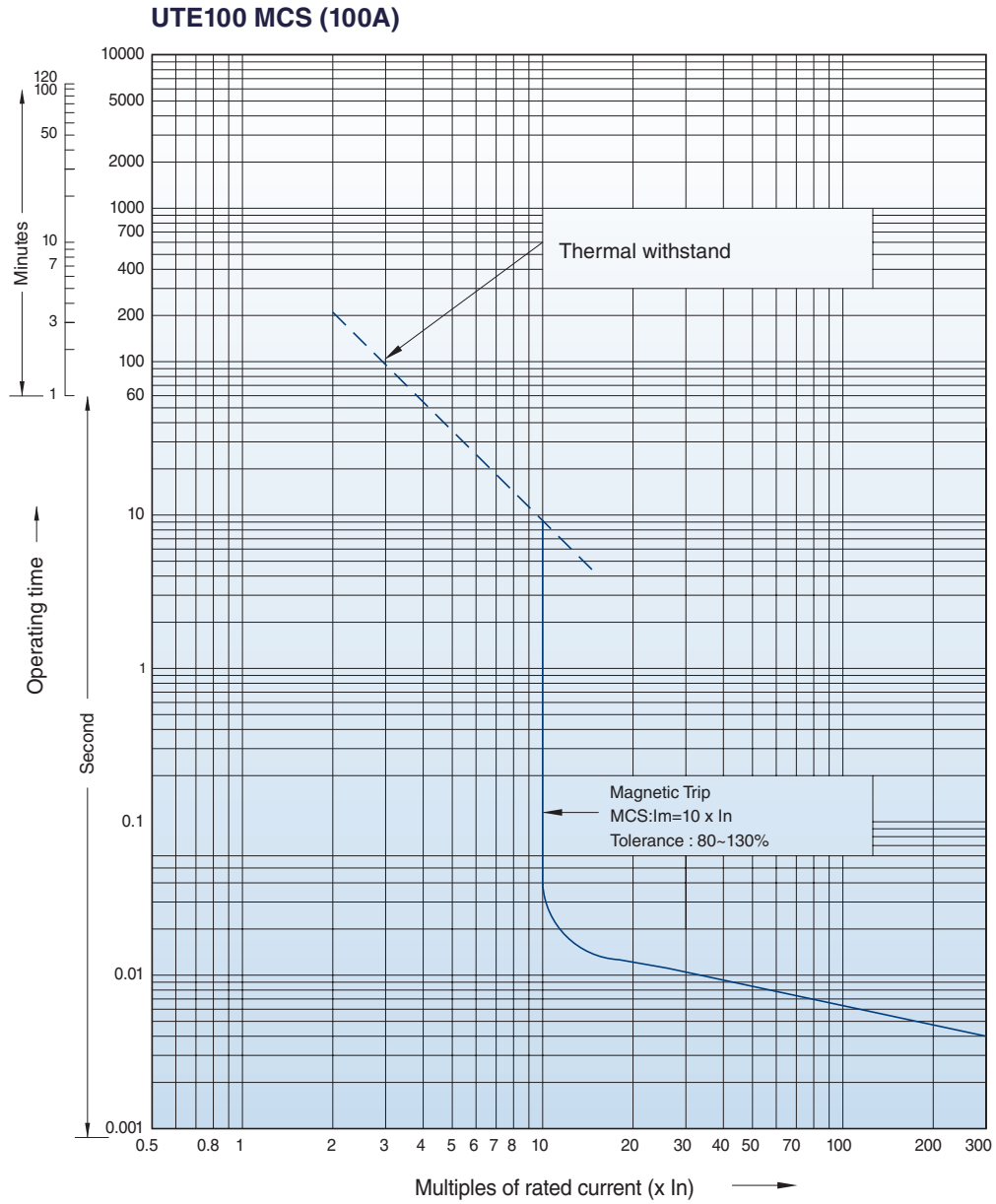


RATING UTE100	FTU	
	2P/3P	MAG TRIP (80%~130%)
15	○	400A
20	○	
25	○	
30	○	
35	○	
40	○	800A
45	○	
50	○	
60	○	
70	○	
80	○	1000A
90	○	
100	○	

RATING UTE100	FMU		
	3P	RATING RANGE	MAG TRIP (80%~130%)
25	○	20~25A	400A
40	○	32~40A	
60	○	48~60A	800A
80	○	64~80A	
100	○	80~100A	1000A

UTE100 CHARACTERISTIC

This curve is to be used for application and coordination purposes only.
All time/current characteristic curve data is based on 40°C ambient cold start.

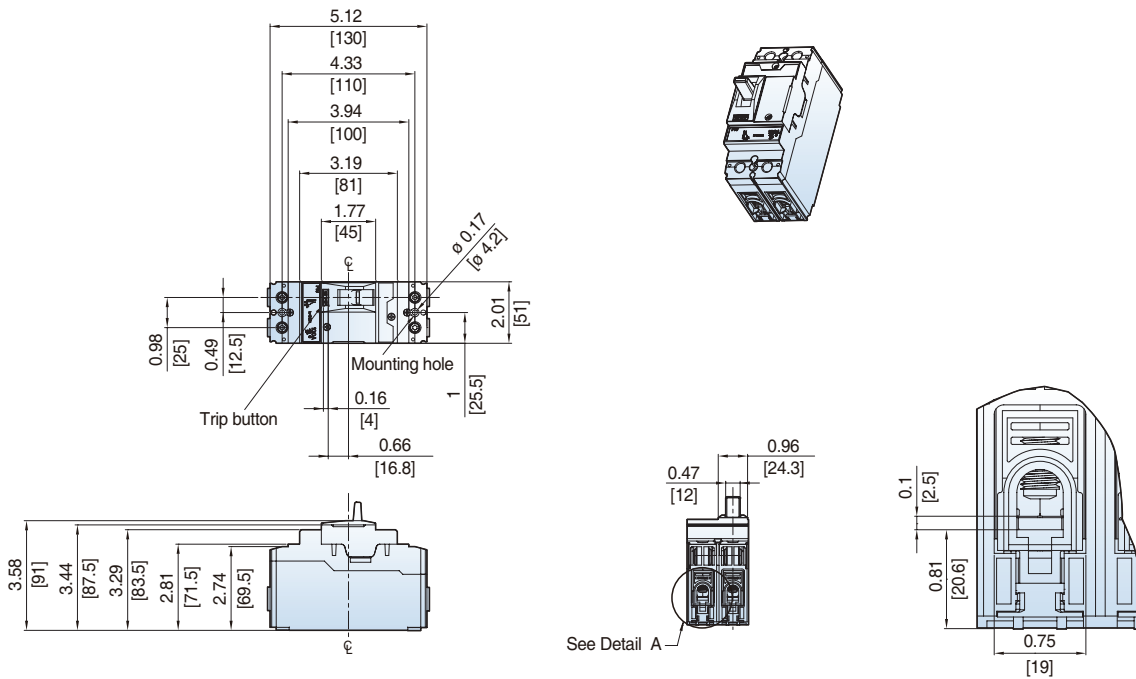


	MCS (2P/3P)
RATING	MAG TRIP
UTE100	(80%~130%)
	(10 x In)
100	1000A

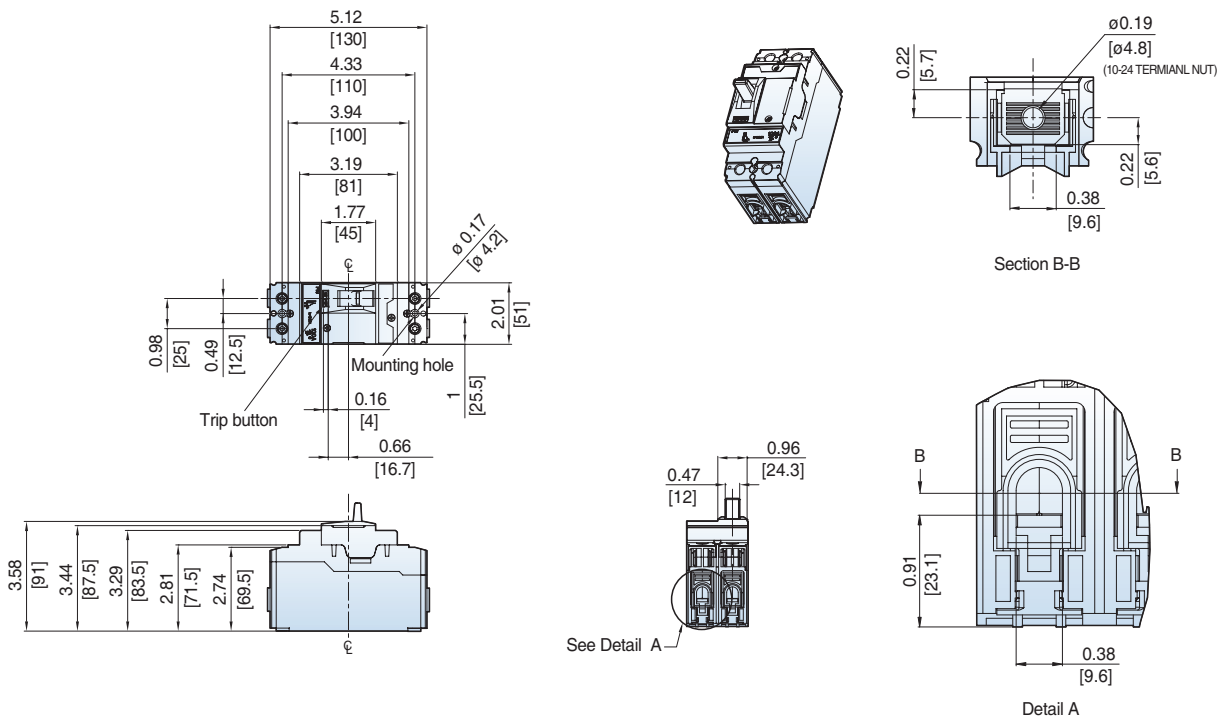
DIMENSIONS UTE100 CIRCUIT BREAKERS

UTE100 2P Circuit Breaker [Lug type]

Dimension: inch[mm]



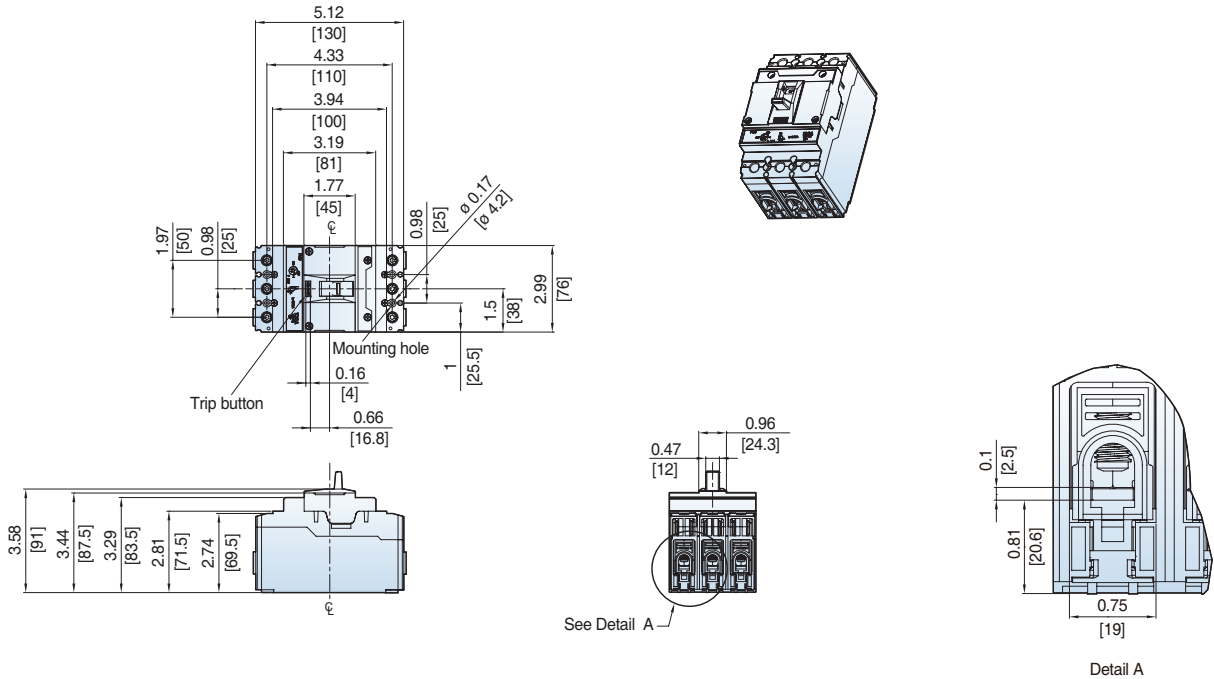
UTE100 2P Circuit Breaker [Busbar type]



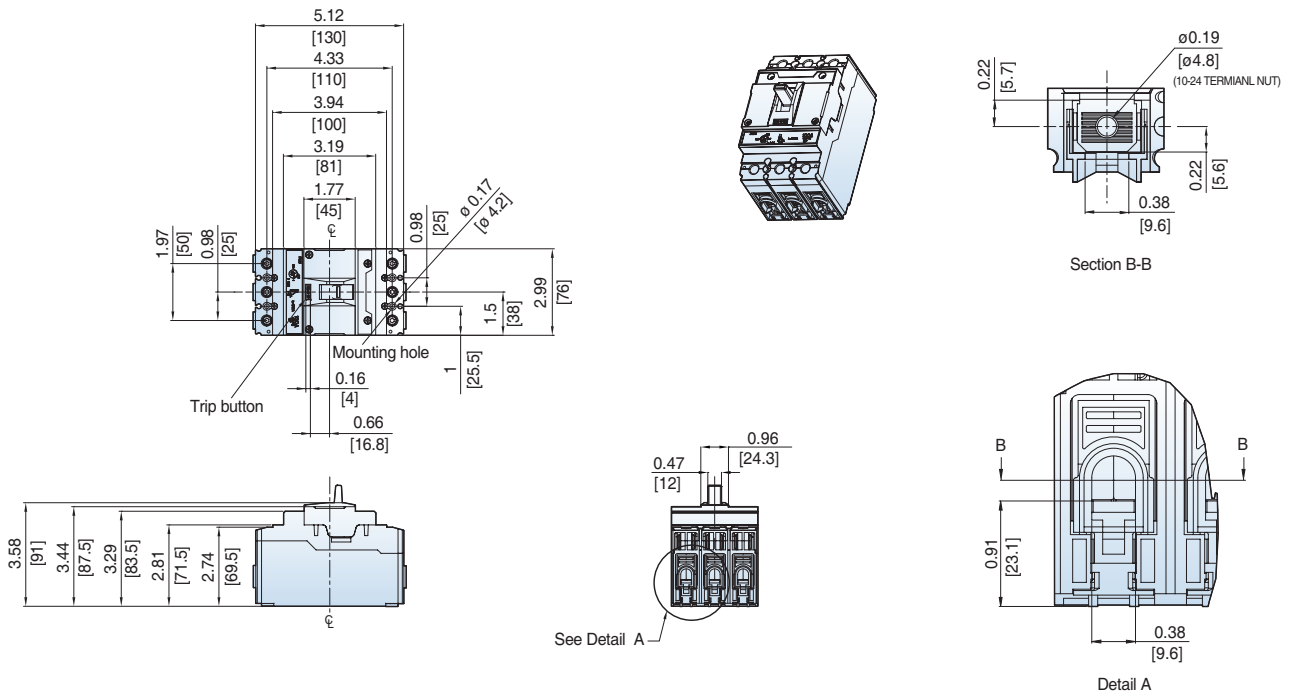
DIMENSIONS UTE100 CIRCUIT BREAKERS

UTE100 3P Circuit Breaker [Lug type]

Dimension: inch[mm]

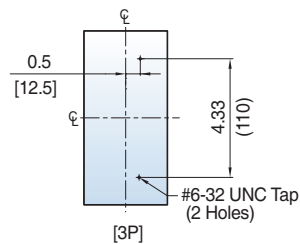
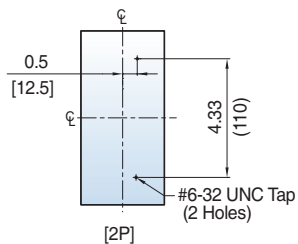


UTE100 3P Circuit Breaker [Busbar type]

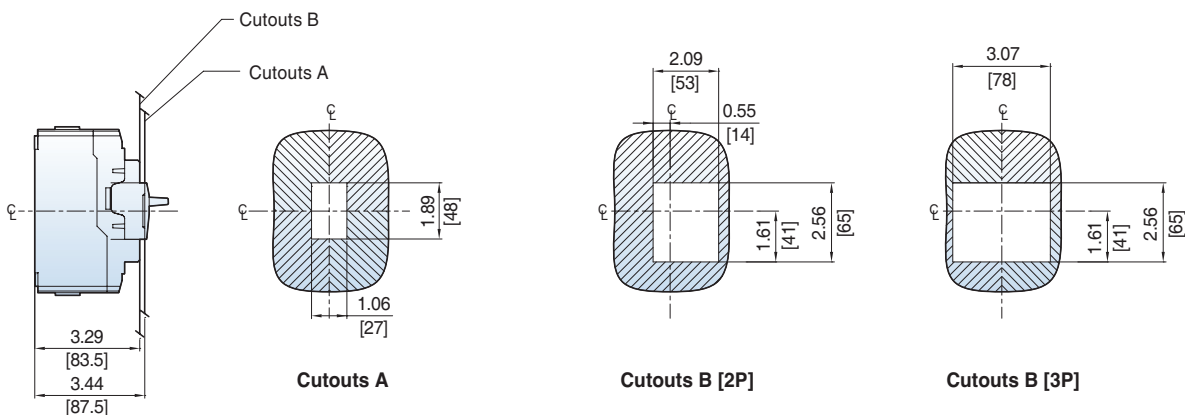


UTE100 Circuit Breakers Mounting

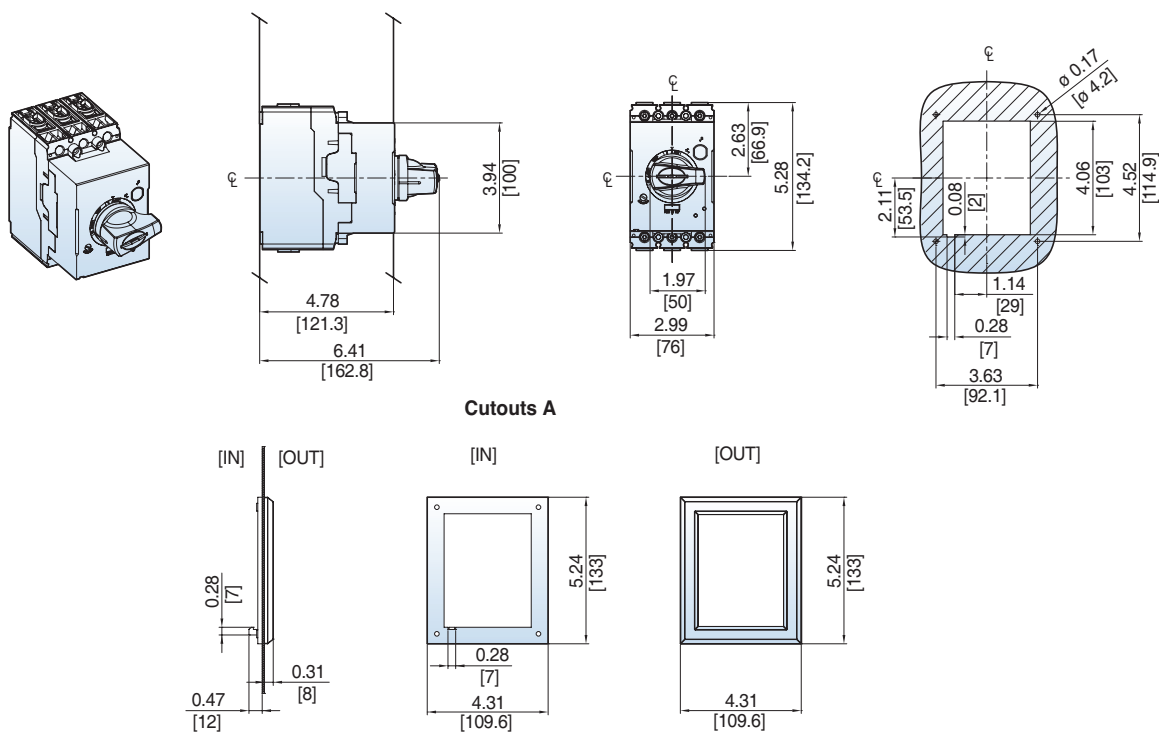
Dimension: inch[mm]



UTE100 Circuit Breakers Door Cutouts



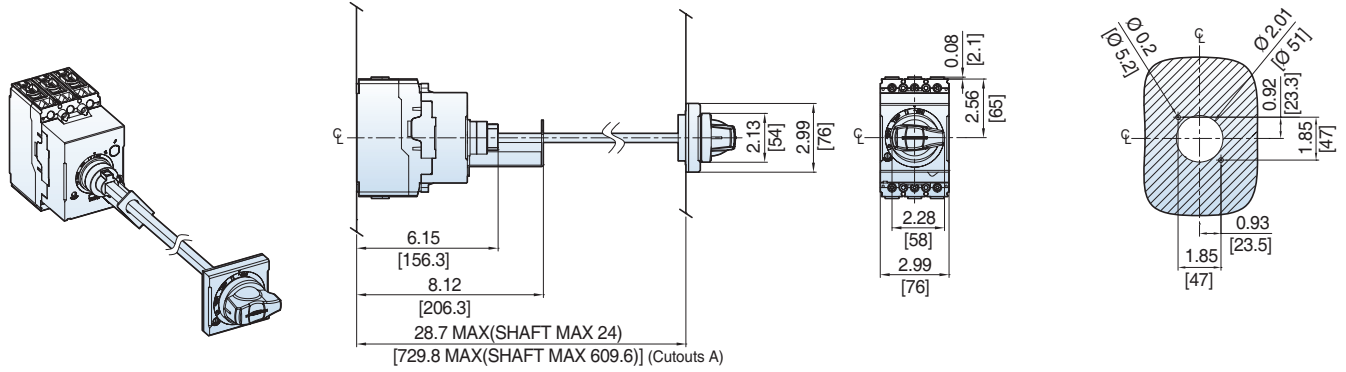
UTE100 Directly Mounted Rotary Operating Handle [DH-0]



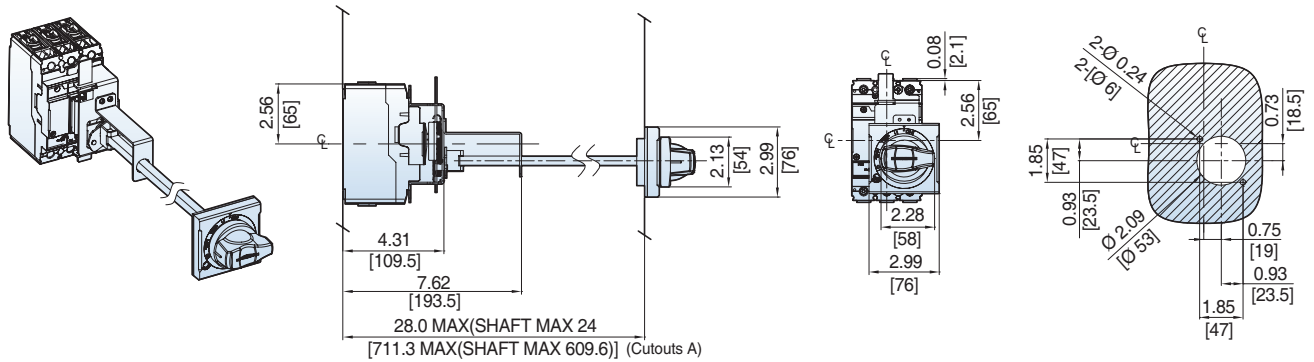
DIMENSIONS UTE100 CIRCUIT BREAKERS

UTE100 Door-Mounted Rotary Operating Handle [REH-0]

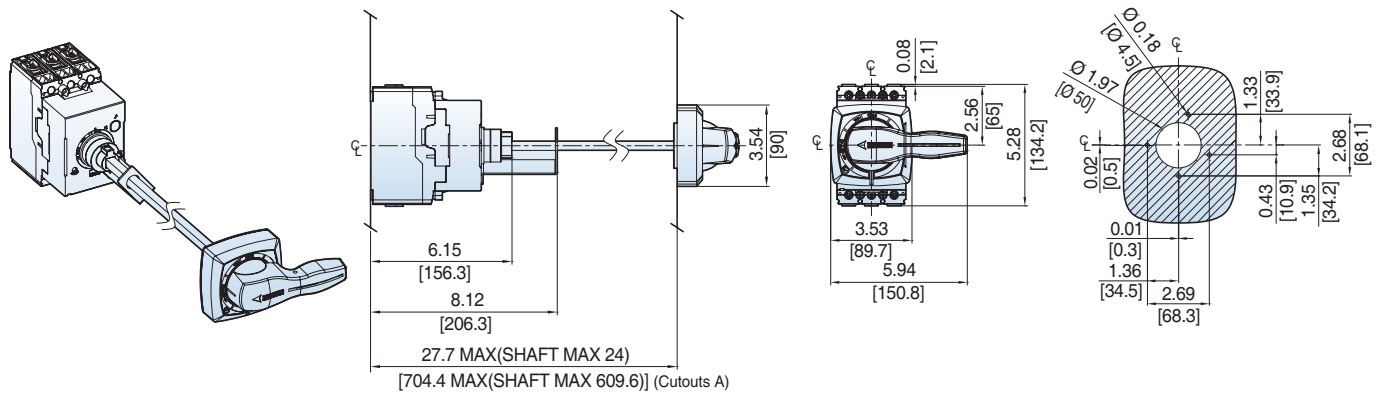
Dimension: inch[mm]



UTE100 Door-Mounted Rotary Operating Handle [REH-0C]

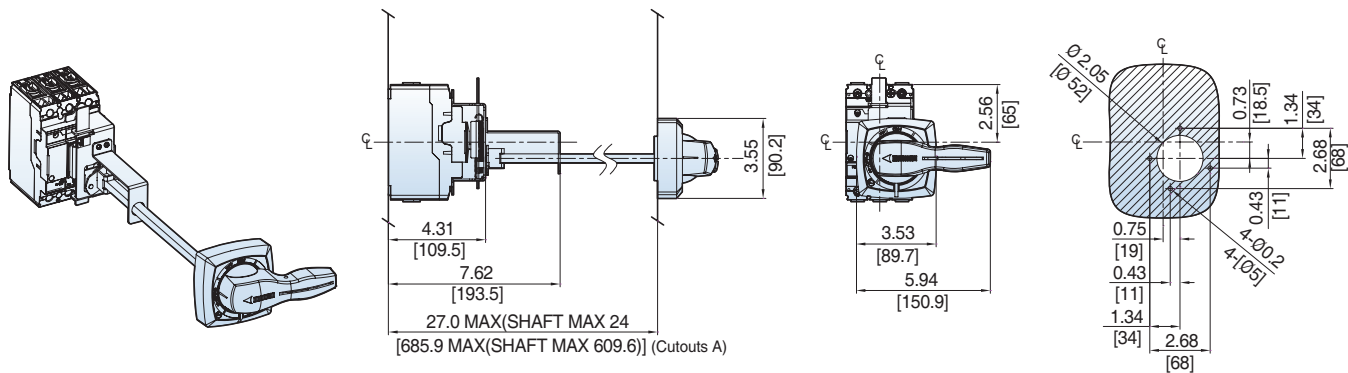


UTE100 NEMA Door-Mounted Rotary Operating Handle [EHU-0, EHX-0]

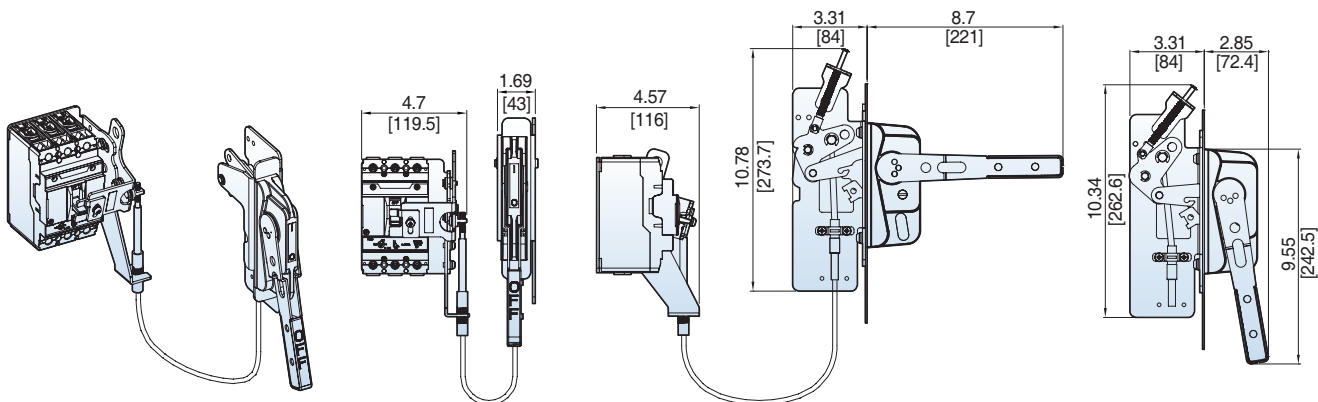


UTE100 NEMA Door-Mounted Rotary Operating Handle [EHU-0C, EHX-0C]

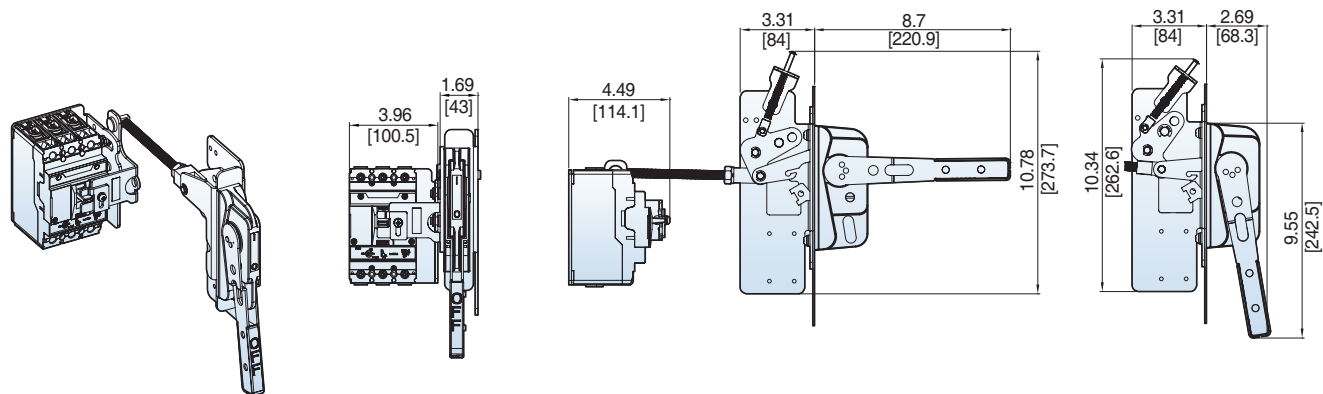
Dimension: inch[mm]



UTE100 Flange-Mounted Cable Operating Handle [COM-0 + FHU, X-S + Cable]



UTE100 Flange-Mounted Variable-Depth Operating Handle [VDM-0 + FHU, X-S]





**City of Livingston
Walnut L/S Retrofit
Panel Drawings**

**2238 Walnut Ave
Livingston, CA 95334**

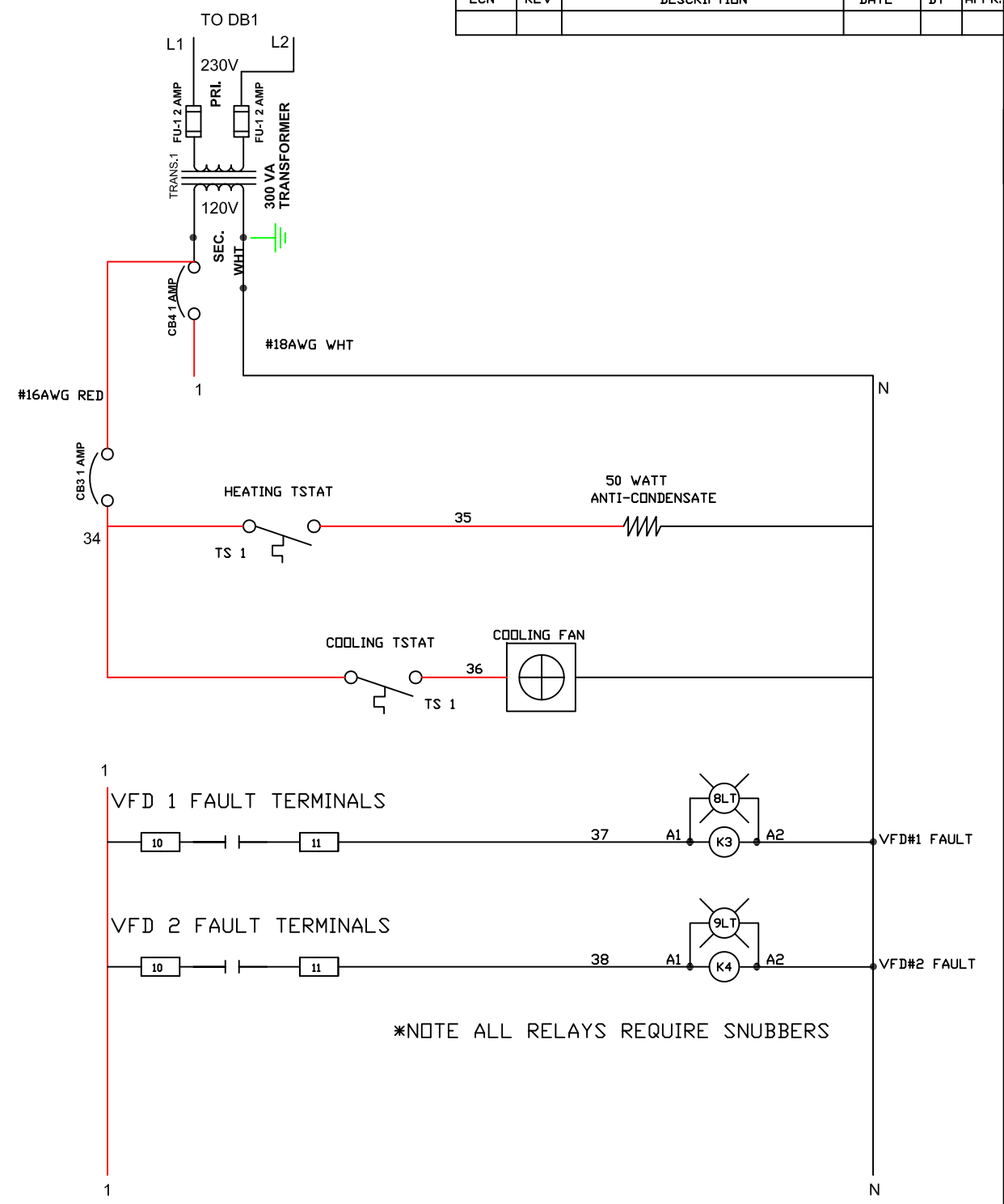
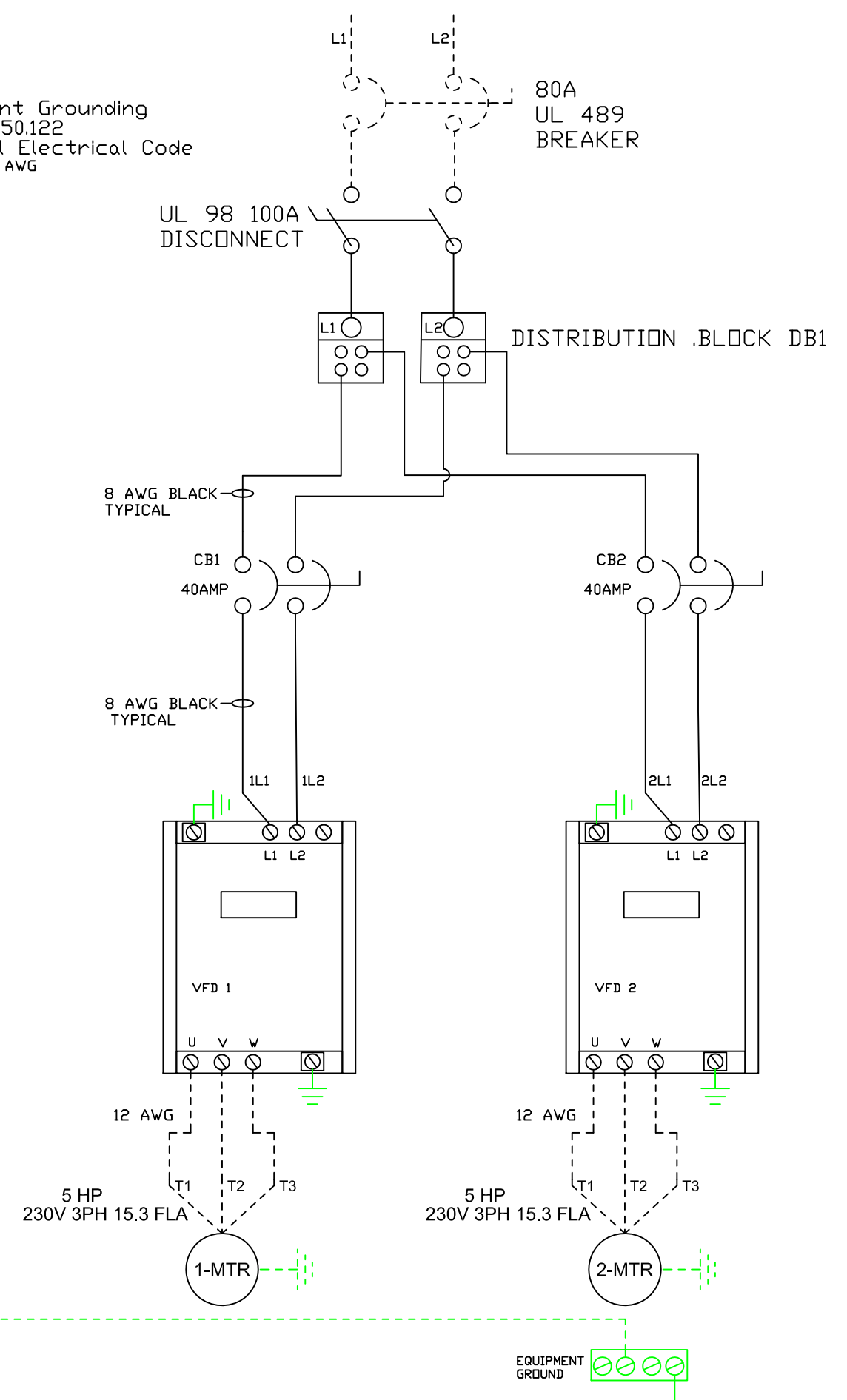
4916 E. Ashlan Ave. Fresno CA 93726
Phone (559) 291-9701 Fax (559) 291-2134
www.bogiespumpsystems.com

LIC#: 1021910

REVISIONS					
ECN	REV	DESCRIPTION	DATE	BY	APPR.

VOLTAGE / 230 VAC
 PHASE / 3
 HERTZ / 60

Equipment Grounding
 Table 250.122
 National Electrical Code
 # 8 AWG



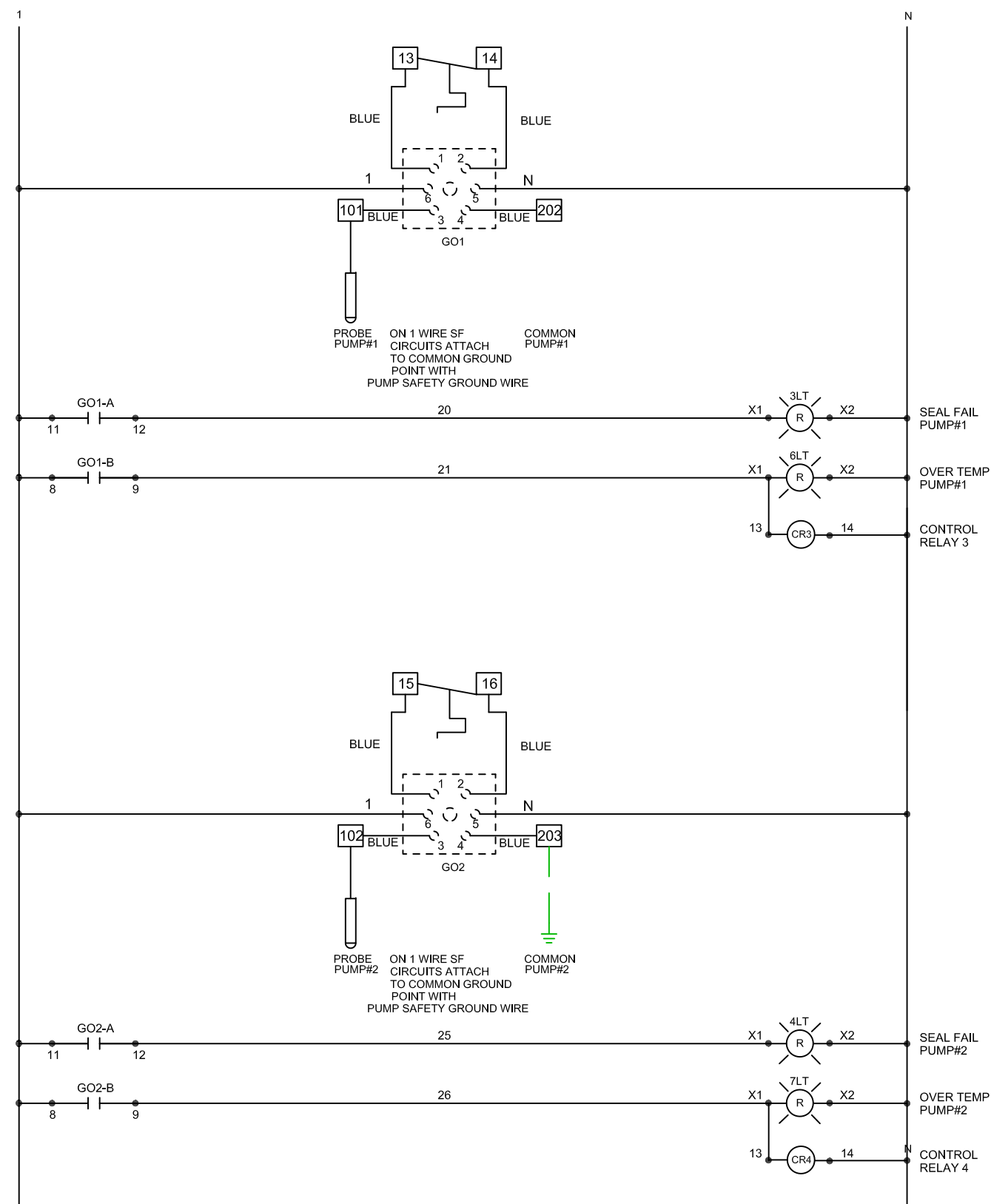
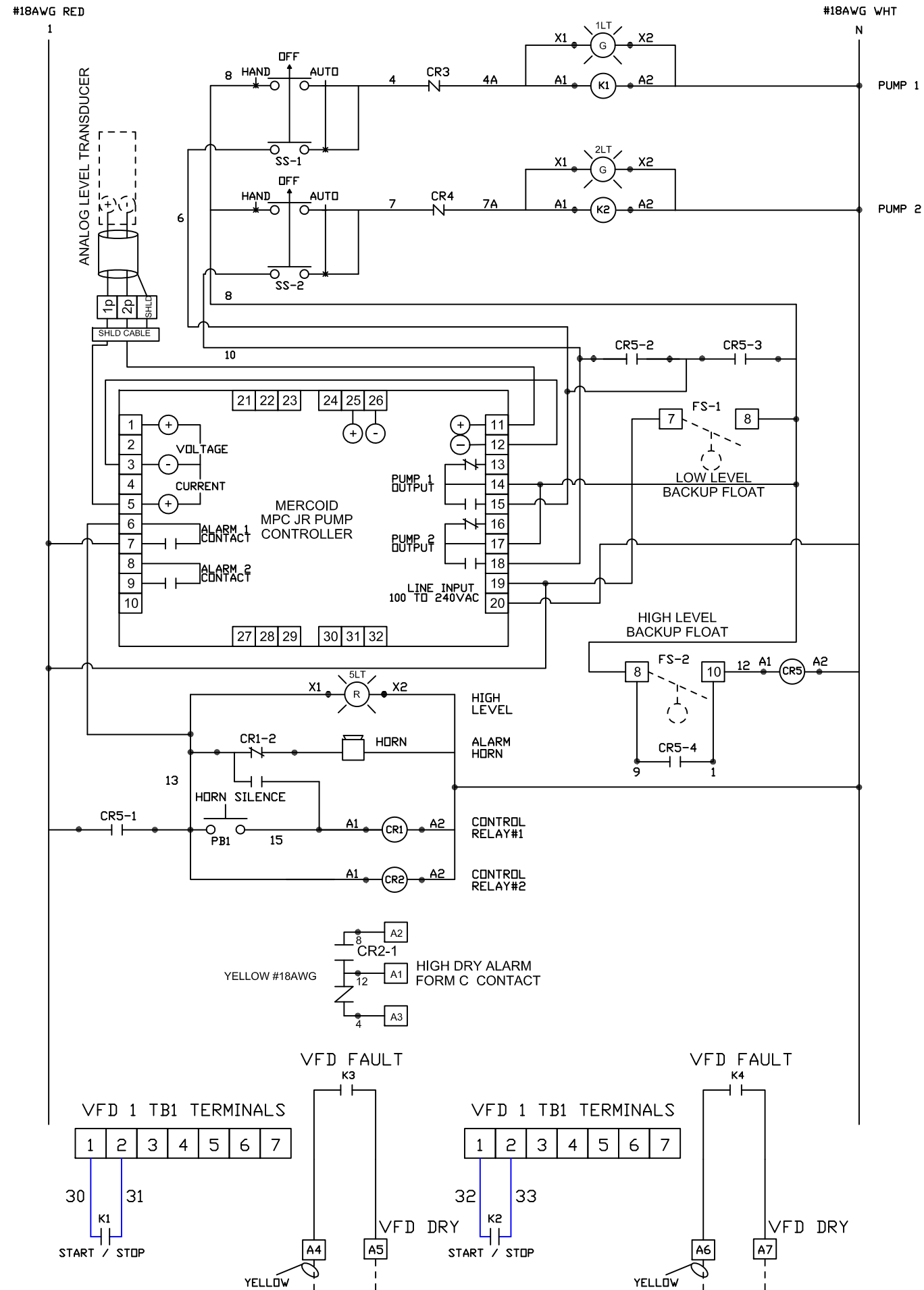
REPRODUCTION OR MANUFACTURE OF ANY ASSEMBLY SUBASSEMBLY OR PART INDICATED HEREIN, OR THE USE OF THIS PROPRIETARY DESIGN IS PERMISSIBLE ONLY IF EXPRESSLY AUTHORIZED IN WRITING BY G&G CONTROLS.

NAME	DATE	SCALE: N/A	DESCRIPTION:
DRAWN BY KM	2/6/19	SIZE B	230V Single Phase Incoming Running 230V Three Phase Pumps, VFD, Mercoid, Homa, Wiring
ENG. APPR		UNITS: N/A	

JOB NAME: City of Livingston		PRINT NO. ***** (1)
CODE NO. VFD_D_230-1_15.2_1_C_MCR_PRC		REV: -



REVISIONS					
ECN	REV	DESCRIPTION	DATE	BY	APPR.



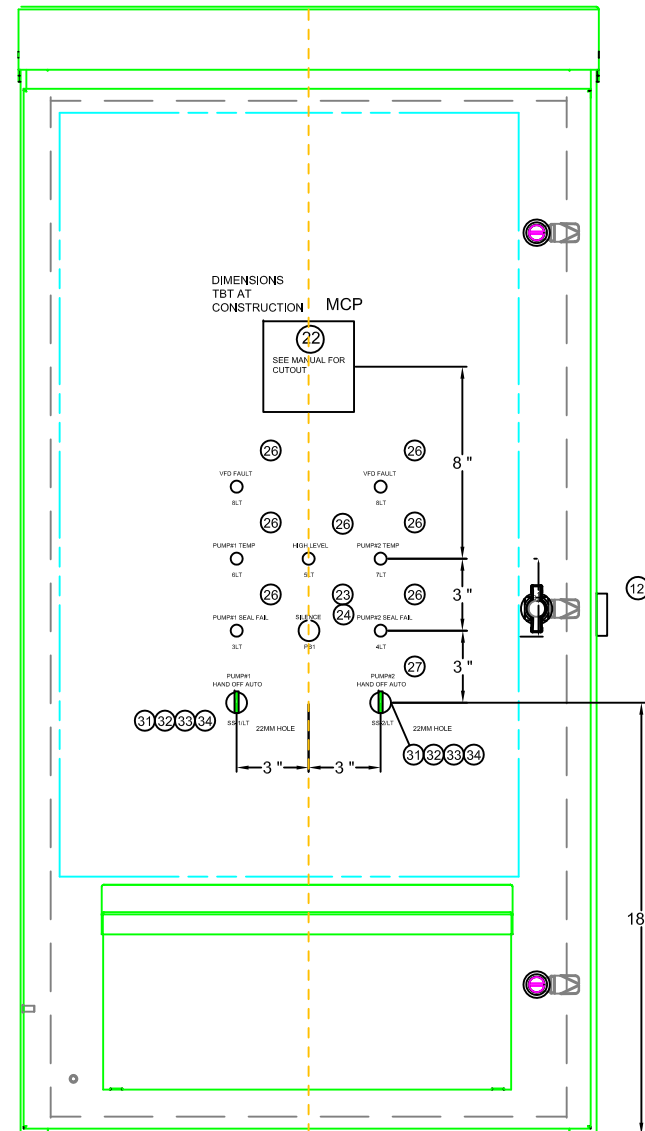
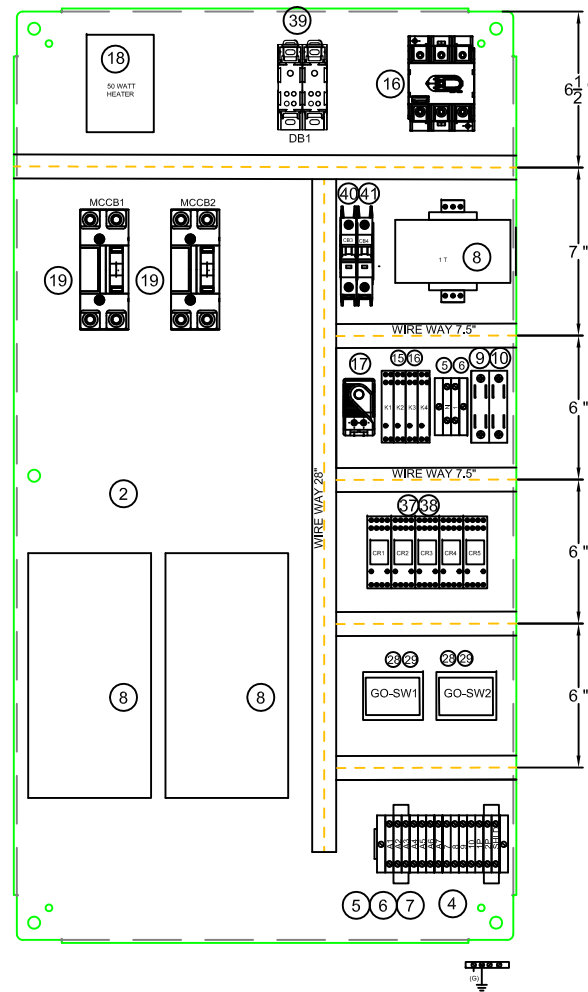
REPRODUCTION OR MANUFACTURE OF ANY ASSEMBLY SUBASSEMBLY OR PART INDICATED HEREIN, OR THE USE OF THIS PROPRIETARY DESIGN IS PERMISSIBLE ONLY IF EXPRESSLY AUTHORIZED IN WRITING BY G&G CONTROLS.

NAME	DATE	SCALE: N/A	DESCRIPTION:
DRAWN BY: KM	2/6/19	SIZE B	230V Single Phase Incoming Running 230V Three Phase Pumps, VFD, Mercoïd, Homa, Wiring
ENG. APPR.		UNITS: N/A	

G&G CONTROLS
A Division of Stancor, L.P.

JOB NAME:	PRINT NO.
City of Livingston	***** (2)
CODE NO.	REV:
VFD_D_230-1_15.2_1_C_MCR_PRC	-

REVISIONS					
ECN	REV	DESCRIPTION	DATE	BY	APPR.



REF.	QTY	MFG	MFG PART #	STANCOR PART #	DESCRIPTION
44					
43					
42					
41					
40	2	ALTECH	1C1UL	2223-006-1-XXX	1A C CURVE CB
39	2	EDISON	EPDB104	2431-001-1-XXX	DISTRIBUTION BLOCK
38	5	RELE	REL-ES15/4	2363-001-1-XXX	4 POLE SOCKET
37	5	RELE	REL-D4L-100VAC	2361-001-1-XXX	4 POLE RELAY
36					
35					
34	2	SIEMENS	3SU15000AA100AA0	2257-001-1-XXX	HOLDER, 3 MODULES PLASTIC
33	4	SIEMENS	3SU1400AA101BA0	2434-002-1-XXX	N.O. CONTACT BLOCK
32	2	SIEMENS	3SU10022BL600AA0	2256-003-1-XXX	3 POS. LT SELECTOR
31	2	SIEMENS	3SU14011BC401AA0	2336-001-1-XXX	LED MODULE GREEN 110V
30					
29	2	HOMA	GS1050	XXX	SEAL/TEMP MODULE (BY BOGIES)
28	2	CBC	SD12-PC	XXX	SOCKET (BY BOGIES)
27					
26	6	C3 CONTROLS	13SBLR120ST-13CRR	2331-002-2-XXX	13MM RED PILOT LIGHT
25					
24	1	WEG	CSW-BF5F	2252-001-1-XXX	22MM FLUSH OPERATOR, BLACK
23	1	WEG	BC10F-CSW	2434-005-1-XXX	N.O. CONTACT BLOCK
22	1	MERCOID	MPC JR	XXX	PROCESS LEVEL CONTROLLER
21	1	MERSEN	SPA290	2273-005-2-XXX	DISCONNECT SHAFT
20	1	MERSEN	HB65X	2272-005-1-XXX	DISCONNECT HANDLE
19	1	LS	UTE-100E-FTU-40-2P	XXX	40A MOLDED CASE CB
18	1	INGRAM	AHC-50W	2282-002-1-XXX	HEATER
17	1	STEGO	011720-00	2283-003-1-XXX	TSTAT
16	4	MAGNACRAFT	70-782D8-1A	2363-005-1-XXX	SOCKET
15	4	MAGNACRAFT	782XBC-120A	2364-003-1-XXX	RELAY
14	AR	XXX	XXX	XXX	DINRAIL
13	1	MERSEN	M100U3	2271-004-3-XXX	DISCONNECT BODY
12	1	INGRAM	PW120A-BLACK	2333-002-2-XXX	4X SONALERT
11	AR	XXX	XXX	XXX	WIREWAY
10	2	LITTLEFUSE	KLDR-2	2224-002-1-XXX	2A FUSE
9	1	LITTLEFUSE	L60030C2PQ	2435-001-1-XXX	FUSE BLOCK
8	1	TECNOMATIC	T1ULF 300VA 480/240/208/120	2242-009-1-XXX	300VA TRANSFORMER
7	2	XXX	88515	2561-001-1-XXX	ANGLE BRACKET
6	8	WIELAND	57.504.0055.0	2432-007-1-XXX	TERMINAL BLOCK
5	4	WIELAND	Z5.522.8553.0	2433-002-1-XXX	END CLAMP
4	2	LUGS DIRECT	2S1/0	2566-003-1-ZN1	GROUND LUG
3					
2	1	SAGINAW	SCE-42P24	XXX	BACK PLATE
1	1	SAGINAW	SCE-47VR2414	XXX	ENCLOSURE

REPRODUCTION OR MANUFACTURE OF ANY ASSEMBLY SUBASSEMBLY OR PART INDICATED HEREIN, OR THE USE OF THIS PROPRIETARY DESIGN IS PERMISSIBLE ONLY IF EXPRESSLY AUTHORIZED IN WRITING BY G&G CONTROLS.

NAME	DATE	SCALE 1:8	DESCRIPTION:
DRAWN BY KM	2/6/19	SIZE B	230V Single Phase Incoming Running 230V
ENG. APPR		UNITS IN	Three Phase Pumps, VFD, Mercoid, Homa, BP
G&G CONTROLS			JOB NAME:
A Division of Stancor, L.P.			City of Livingston
			PRINT NO. ***** (2)
			CODE NO.
			VFD_D_230-1_15.2_1_C_MCR_PRC
			REV: -