LODI UNIFIED SCHOOL DISTRICT

REQUEST FOR QUALIFICATIONS (RFQ #0893-8993)

for

DESIGN-BUILD SERVICES

Addendum No. 1

September 27, 2018

Owner: Lodi Unified School District
1305 E. Vine Street
Lodi, CA 95240

Construction Manager: Capital Program Management, Inc.
1851 Heritage Lane, Suite 210
Sacramento, CA 95815

This Addendum has been prepared to clarify, modify, delete, or add to the RFQ and revisions to items listed here shall supersede description thereof prior to the above stated date. All conditions not specifically referenced here shall remain the same.

Acknowledge receipt of this addendum by inserting its number and date in the cover letter of the Statement of Qualifications response.

All addenda items refer to the RFQP issued September 6, 2018 unless specifically noted otherwise.

LODI UNIFIED SCHOOL DISTRICT
RFQ for DESIGN-BUILD SERVICES

ADDENDUM NO. 1

PART I. RFQ SCHEDULE OF EVENTS SUMMARY

1.1 The SOQ due date has not changed. Prequalification Submittals are due Thursday, October 4, 2018 by 2:00 p.m. and delivered to:

Lodi Unified School District
1305 E. Vine Street, Lodi, CA 95240
Attn: Warren Sun, Senior Director of Operations

PART II. RESPONSES TO DBE QUESTIONS

1.) Q. Is design-build experience in the Lodi Unified School District required for this RFQ?

A. No.

2.) Q. Are reviewed financials acceptable? Section I, Letter C, Financial Capacity," states that an audited financial statement must be submitted. Additionally, in the same paragraph, it states that "a financial statement must be submitted by each entity member". Please advise on who this includes?

A. A "Reviewed" financial statement will now be required to be submitted by the General Contractor, architect of record, and professional consulting engineers. The District will accept either a reviewed or a compiled financial statement from the trade partners, and pre-engineered building installer/manufacturer.

3.) Q. Is a separate general prequalification with the District also required to be able to bid on this project, or is approval through this RFQ sufficient? Most school districts have a prequalification process that approves GCs for one year in which they can bid on any projects that come out. Is that also required here?

A. No, a separate prequalification process is not required at this time for this project. However, at a later date, the DBE and all major subcontractors will be required to be prequalified with the District utilizing the PQBids Contractor Pre-Qual application process at a later date.

4.) Q. We had a question regarding your New Maintenance & Operations Building project. Can you please confirm if we, as a general contractor, are required to team with one of the architectural firms noted on the District's website for this D/B project? We were curious to know if we had the ability to team with an architectural firm who isn't on the list.

A. No, the District encourages the DBE to team with the listed architectural firms, but it is not mandatory to do so.

ADDENDUM NO. 1

5.) Q. Appendix B, VI. Project Experience and References, question 1 asks how many local design-build projects the general contractor and architect of record have completed together. May we include collaborative lease-leaseback projects which included a preconstruction component in this count? Also, please define "local" as used in this question.

A. Yes, the District will accept lease-lease back projects with a preconstruction component in the Project Experience and References section.

A. And, "local" is within a 50-mile radius of the Lodi USD office.

6.) Q. We understand you may be revising the requirements of Section C. Financial Capacity from Audited Financials to Reviewed Financials. Are you able to confirm this proposal will not require Audited Financials? This will impact our ability to submit a proposal.

A. Audited Financial Statements are not required, see the answer to question #2 above.

7.) Q. Could the District issue a higher resolution pdf or dwg version of the concept plan? The detail on the plans provided is obscured.

A. Yes, see attached Appendix C, and the Design-Build Criteria Documents (Appendix 7).

8.) Q. Are consultants that were involved in the criteria docs excluded from the Design-Build pursuit? If yes, please provide a list.

A. Yes, SVA Architects is the Criteria Architect, which also includes their Mechanical, Electrical, Plumbing, Fire Protection design narratives.

A. And, AR Sanguinetti & Associates Civil Engineering, Land Planning & Surveying (Jeff Sanguinetti) has been retained by the District as the Civil Engineer of Record for the project.

9.) Q. Exhibits A-1, A-2, & A-3 state to provide project references "completed by the general contract for the DBE." Please clarify if these projects should only be general contractor, GC/Architect teaming projects, or if the architect can submit projects separately to show range of experience.

A. It is preferred that the DBE reflect experience with its proposed GC/Architect team, but the GC can submit project experience with other design-build partners, and can also submit its chosen architect with their design-build experience.

LODI UNIFIED SCHOOL DISTRICT
RFQ for DESIGN-BUILD SERVICES

ADDENDUM NO. 1

10.) Q. Please clarify which Engineering specialties need to be included at this RFQ stage.

A. The following entity members have been acknowledged as being part of the DBE team (architect, engineers, trade partners, building installer/manufacturer). It is expected that if a trade partner (design-build subcontractor) is not utilized for a specific discipline, then the DBE shall include professional "consulting" engineers. Examples would be a structural engineer, landscape architect, fire alarm/fire sprinkler engineering, and others as required. It is the DBE's responsibility to propose all necessary engineering specialties required to meet necessary City of Lodi and local agency approvals.

A. Again, Civil Engineering is not required, see the answer to question #8 above.

11.) Q. Can the audit requirement for financial statements apply only to the DB entity?

A. Yes, see the answer to Question #2 above.

12.) Q. What companies or individuals are conflicted out of working on this project in the future?

A. See the answer to Question #8 above.

13.) Q. What disciplines or trade partners (aside from the architect) are required to be named as part of this RFQ?

A. See the answer to Question #10 above.

14.) Q. Can financial information from each team member be submitted in a sealed envelope for confidentiality purposes?

A. Yes, all financial information can be submitted in a sealed envelope, and only to be opened by District staff.

15.) Q. Regarding Section IIE, is your intent to identify the metal building installer for the DBE who is licensed with multiple manufacturers? In true design-build fashion, our team would like to involve you in the selection of the manufacturer to ensure we are maximizing the project value.

A. Section IIE will now be changed to "Pre-Engineered/Fabricated Steel Building Installer/Manufacturer". If the DBE wants to present the Licensing and Registration information for an installer/manufacturer in the SOQ at this time, that is acceptable. Or, the District will accept as an option, that the DBE can present a proposed steel building installer/manufacturer at a later date during the Design Development phase of the project, which is acceptable to the District.

16.) Q. Has the District entered into a Project Labor Agreement (PLA)?

A. No, the District is not a party to a PLA, therefore the DBE shall be in compliance with the skilled and trained workforce requirements for the duration of this project.

Part III. List of Attachments to the RFQ

- Appendix B – Prequalification Submittal Template (Contact CPM for an MS Word version)
- Appendix C – Conceptual Site Plan (Revised)
- Appendix D – Criteria Documents

- Pre-Submittal Conference Sign-In Sheet

End of Addendum No.1

APPENDIX B

LODI UNIFIED SCHOOL DISTRICT
PREQUALIFICATION SUBMITTAL TEMPLATE
DESIGN-BUILD ENTITIES

This standard prequalification submittal template should be completed by design-build entities or design-build teams seeking to prequalify for a Lodi Unified School District ("District") design-build project in accordance with Education Code section 17250.10 et seq.

As used in here:

- "DBE" refers to both design-build entities and design-build teams.
- "Member" refers to individuals or entities identified as members of the design-build team, including the general contractor and, if utilized in the design of the project, all electrical, mechanical, and plumbing subcontractors and other trade partners.
- "Associates" refers to all current officers, owners, and/or partners of DBE and of any Member.

Wherever additional space is needed to answer a question fully and accurately, attach additional copies of the template pages and/or additional signed sheets as needed.

I. BUSINESS INFORMATION

A. Contact Information

1. DBE Name: _____
2. Primary contact Person: _____
3. Principal office address: _____
4. Phone: _____
5. Fax: _____
6. Email: _____

B. Form of Organization

1. If the DBE or any Member is a **corporation**:
    a. Date incorporated: _____
    b. Under laws of what state: _____

c. If a privately held corporation, list all shareholders who will perform work on the project:

Name	Ownership Percentage

d. Attach a copy of the articles of incorporation.

2. If the DBE or any Member is a **limited liability company**:

a. Date formed: _____

b. Under laws of what state: _____

c. List all LLC members who will perform work on the project:

Name	Ownership Percentage

d. Attach a copy of the articles of organization.

3. If the DBE or any Member is a **partnership**:

a. Date formed: _____

b. Under laws of what state: _____

c. List all partners who will perform work on the project:

Name	Ownership Percentage

d. Attach a copy of the partnership agreement.

4. If the DBE or any Member is a **joint venture**:

a. Date formed: _____

b. Under laws of what state: _____

c. List all joint venture members who will perform work on the project:

Name	Ownership Percentage

d. Attach a copy of the joint venture agreement.

5. If the DBE or any Member is a **sole proprietorship**:

a. Date formed: _____

b. Under laws of what state: _____

c. List owner: _____

d. Attach a copy of organizational documents, if any.

C. Financial Capacity

1. Attach a "Reviewed" financial statement with accompanying notes and supplemental information for the past 2 full fiscal years for the General Contractor, architect of record, and professional consulting engineers. The District will accept either a reviewed or a compiled financial statement from the trade partners, and pre-engineered building installer/manufacturer. A letter verifying availability of a line of credit may also be attached; however, it will be considered supplemental information only, and is not a substitute for the required financial statement.

2. Is DBE or any Member currently, or has DBE or any Member within the last 5 years been, the debtor in a bankruptcy case?

   ___ Yes ___ No

   If "yes," please attach a copy of the bankruptcy petition and a copy of the bankruptcy court's discharge or any other document that ended the case, if any.

II. LICENSING AND REGISTRATION

A. General Contractor

1. Name of license holder exactly as on file with the Contractors State License Board ("CSLB"): _____

2. License classification(s): _____

3. License #: _____

4. Issue Date: _____

5. Expiration Date: _____

6. Public Works Contractor Registration # on file with the Department of Industrial Relations ("DIR"): _____

7. Has any CSLB license held by the general contractor or its qualifying individual been suspended or revoked within the last 5 years?

   ___ Yes ___ No

   If "yes," explain on a separate signed sheet.

8. Has the general contractor changed names or license numbers within the past 5 years?

   ___ Yes ___ No

   If "yes," explain on a separate signed sheet.

B. Architect of Record

The architect of record is the architect whose stamp will appear on the project Construction/Contract Documents.

1. Name of license holder exactly as on file with the California Architects Board ("CAB"): _____

2. License #: _____

3. Issue Date: _____

4. Expiration Date: _____

5. Has any CAB license held by the architect of record been suspended or revoked within the last 5 years?

   ___ Yes ___ No

   If "yes," explain on a separate signed sheet.

6. Has the architect of record changed names or license numbers within the past 5 years?

   ___ Yes ___ No

   If "yes," explain on a separate signed sheet.

C. Engineer(s)

Engineering services will be dictated by the nature of the project. The DBE should respond for all "in house" engineers or consulting engineers that will provide services on the project. If relevant, use additional signed sheets to respond for multiple engineering disciplines.

1. Name of license holder exactly as on file with the Board of Professional Engineers, Land Surveyors, and Geologists ("BPELSG"): _____

2. License Type: _____

3. Licenses #: _____

4. Issue Date: _____

5. Has any BPELSG license held by the engineer been suspended or revoked within the last 5 years?

   ___ Yes ___ No

   If "yes," explain on a separate signed sheet.

6. Has the engineer changed names or license numbers within the past 5 years?

   ___ Yes ___ No

   If "yes," explain on a separate signed sheet.

D. Mechanical, Electrical, Plumbing Subcontractor(s), or other Trade Partners

If utilized in the design of the project, respond for all Member electrical, or plumbing ("MEP") contractors. If relevant, use additional signed sheets to respond for multiple MEP contractors.

1. Name of license holder exactly as on file with the Contractors State License Board ("CSLB"): _____
2. License classification(s): _____
3. License #: _____
4. Issue Date: _____
5. Expiration Date: _____
6. Public Works Contractor Registration # on file with the Department of Industrial Relations ("DIR"): _____
7. Has any CSLB license held by the MEP contractor or its qualifying individual been suspended or revoked within the last 5 years?

   ___ Yes ___ No

   If "yes," explain on a separate signed sheet.
8. Has the general contractor changed names or license numbers within the past 5 years?

   ___ Yes ___ No

   If "yes," explain on a separate signed sheet.

E. Pre-Engineered/Fabricated Steel Building Installer/Manufacturer

1. Name of license holder exactly as on file with the Contractors State License Board ("CSLB"): _____
2. License classification(s): _____
3. License #: _____
4. Issue Date: _____
5. Expiration Date: _____
6. Public Works Contractor Registration # on file with the Department of Industrial Relations ("DIR"): _____
7. Has any CSLB license held by the manufacturer or its qualifying individual been suspended or revoked within the last 5 years?

   ___ Yes ___ No

If "yes," explain on a separate signed sheet.

8. Has the manufacturer changed names or license numbers within the past 5 years?

   ___ Yes ___ No

   If "yes," explain on a separate signed sheet.

III. PERFORMANCE HISTORY

1. Has DBE or any Member or Associate ever been found liable in a civil suit, or found guilty in a criminal action, for making any false claim or material misrepresentation to any public agency or entity?

   ___ Yes ___ No

   If "yes," explain on a separate signed sheet, including identifying who was found liable or guilty, the court and case number, the name of the public entity, the civil or criminal verdict, the date, and the basis for the finding.

2. Has DBE or any Member or Associate ever been convicted of a crime involving any federal, state, or local law related to construction or any crime involving fraud, theft, or any other act of dishonesty?

   ___ Yes ___ No

   If "yes," explain on a separate signed sheet, including identifying who was convicted, the name of the victim, the date of the conviction, the court and case number, the crimes, and the grounds for the conviction.

3. At any time in the last 5 years, has DBE or any Member been assessed liquidated damages under a construction contract?

   ___ Yes ___ No

   If "yes," explain on a separate signed sheet, including the project, owner, owner's address, date of completion, and amount of liquidated damages.

4. At any time in the last 5 years, has DBE or any Member or Associate been debarred, disqualified, removed or otherwise prevented from bidding on, or completing, any public works project?

   ___ Yes ___ No

   If "yes," explain on a separate signed sheet, including the project, the year of the event, owner, owner's address, and basis for the action.

5. At any time in the last 5 years, has a public agency found that DBE or any Member was not a responsible bidder?

   ___ Yes ___ No

If "yes," explain on a separate signed sheet, including the project, the year of the event, owner, owner's address, and basis for the finding.

6. In the past 5 years, has any claim exceeding $50,000 been filed by or against DBE or any Member in court or arbitration concerning work or payment on a construction project?

   ___ Yes ___ No

   If "yes," explain on a separate signed sheet, including the project name, court or arbitration case name and number, and a brief description of the status of the claim.

7. In the past 5 years, has there been more than one occasion in which DBE or any DBE member was required to pay either back wages or penalties for failure to comply with California prevailing wage laws or federal Davis-Bacon prevailing wage requirements?

   ___ Yes ___ No

   If "yes," explain on a separate signed sheet, describing the nature of the violation(s), project, owner, and amount paid, if any.

8. At any time during the past 5 years, has DBE or any Member been found to have violated any provision of California apprenticeship laws or regulations, or laws pertaining to use of apprentices on public works projects?

   ___ Yes ___ No

   If "yes," explain on a separate signed sheet, including date(s) of such findings and attaching the DAS' final decision(s).

IV. BONDS AND INSURANCE

A. Bonds

1. Attach a notarized statement from an admitted surety insurer (approved by the California Department of Insurance and authorized to issue bonds in the State of California), which states the current bonding capacity of the DBE (both single job limit and aggregate limit). Note: DBE must have capacity to provide 100% payment bond and 100% performance bond, each issued by an admitted surety insurer, without bonding subcontractors.

2. Provide the name, address, and telephone number of the surety agent: _____
   _____
   _____

3. List all sureties that have written bonds to the DBE or any Member during the last 5 years:

Name	Address	Date of Bond

4. In the last 5 years, has any surety paid on behalf of the DBE or any Member a result of a default to satisfy any claims made against a payment or performance bond?

   ___ Yes ___ No

   If "yes," explain on a separate signed sheet, including the amount of each claim, name and telephone number of claimant, date of and grounds for the claim, and present status.

5. If DBE or any Member was required to pay a premium of more than 1 percent for a performance and payment bond on any project in the last 5 years, state the percentage: _____

   Explain on a separate signed sheet why DBE or Member was required to pay the premium of more than 1 percent.

6. In the last 5 years, has DBE or any Member been denied bond coverage by a surety company or had no surety bond in place when once was required?

   ___ Yes ___ No

   If "yes," explain on a separate signed sheet, including the name of the surety company and/or period during which DBE or Member had no bond in place.

B. <u>Insurance</u>

1. Does DBE have liability insurance with a policy limit of at least $2,000,000 per occurrence and $4,000,000 aggregate for a California admitted company?

   ___ Yes ___ No

   If "no," provide on a separate signed sheet what policy limits are available to DBE.

2. Does DBE have current workers' compensation insurance as required by the California Labor Code or is DBE legally self-insured pursuant the California Labor Code?

3. Does DBE have professional liability (errors and omissions) insurance with a policy limit of at least $2,000,000 aggregate from a California admitted company?

   ___ Yes ___ No

   If "no," provide on a separate signed sheet what policy limits are available to DBE.

4. Will you maintain a Builder's Risk, Course of Construction or similar first party property coverage that will be issued on a full replacement cost value basis consistent with the

total replacement cost of all insurable Work and the Project, as outlined within the Contract Documents?

___ Yes ___ No

5. In the last 5 years, has any insurance carrier, for any form of insurance, refused to renew an insurance policy for DBE or any Member?

___ Yes ___ No

If "yes," explain on a separate signed sheet, including the name of the insurance carrier, form of insurance, and year of the refusal.

V. SAFETY

1. Attach a description, not to exceed 1 page, of DBE's worker safety program as applicable to this project.

2. Within the past 5 years, has the California or federal Occupation Safety and Health Administration ("OSHA") cited and assessed penalties against DBE or any Member, for "serious," "willful" or "repeat" violations of its safety or health regulations?

___ Yes ___ No

If "yes," explain on a separate signed sheet, identifying the citation(s), nature of the violation(s), project, and amount of penalty paid, if any.

3. Within the past 5 years, has the Environmental Protection Agency ("EPA") or any Air Quality Management District or any Regional Water Quality Control Board cited and assessed penalties against DBE or any Member or the owner of the project on which DBE/Member was the contractor?

___ Yes ___ No

If "yes," explain on a separate signed sheet, identifying the citation(s), nature of the violation(s), project, and amount of penalty paid, if any.

4. State the Workers' Compensation Experience Modification Rate ("EMR") for DBE and each Member for the past 3 premium years:

Year	EMR

If EMR was 1.00 or higher in any of 3 years, attach a letter of explanation.

5. State the total recordable injury or illness rate and the lost work rate for DBE and each Member for the past 3 years:

Year	Incident Rate	Lost Work Rate

6. Within the past 5 years, has there ever been a period when DBE or any Member had employees but was without workers' compensation insurance or state-approved self-insurance?

   ___ Yes ___ No

   If "yes," explain on separate signed sheet, including the date(s) and reason(s) for the absence of workers' compensation insurance.

VI. PROJECT EXPERIENCE AND REFERENCES

1. How many local design-build projects or Lease-Leaseback projects with a preconstruction component have the general contractor and architect of record involved in this DBE completed together? _____

2. For the completed local design-build projects identified in the preceding answer, state:

   a. Total dollar value of all contracts: _____

   b. Dollar value of single largest contract: _____

3. How many California K-12 public school construction projects (both under construction and completed) has/have:

   a. The general contractor for the DBE built in the past 5 years? _____

   b. The architect of record for the DBE designed in the past 5 years? _____

   c. The engineer(s) for the DBE designed in the past 5 years? _____

   d. The MEP contractor(s)/trade partners for the DBE worked on in the past 5 years? _____

4. How many M&O/Corporation Yard types of construction projects (both under construction and completed) has/have:

   a. The general contractor for the DBE built in the past 5 years? _____

   b. The architect of record for the DBE designed in the past 5 years? _____

   c. The engineer(s) for the DBE designed in the past 5 years? _____

   d. The MEP contractor(s)/trade partners for the DBE worked on in the past 5 years? _____

5. Describe the DBE's ability to self-perform work, and if so, state the trades.

6. Attach an organizational chart and include resumes or similar documents, not to exceed 1 page each, showing the experience, training, and qualifications for up to 6 proposed key personnel of the DBE.

7. Complete **both** project reference forms attached hereto as **Exhibits A-1, A-2, and A-3**. District may, in its discretion, contact project references.

VII. SKILLED AND TRAINED WORKFORCE COMPLIANCE

1. By this submittal, DBE hereby acknowledges, agrees, and hereby provides an enforceable commitment to District that:

    a. DBE and its subcontractors at every tier will use a skilled and trained workforce to perform all work on the project or contract that falls within an apprenticeable occupation in the building and construction trades, in accordance with Public Contract Code section 2600 et seq.; or

    b. DBE has agreed to by bound by: (i) a project labor agreement ("PLA") entered into by the District that will bind all contractors and subcontractors performing work on the project to use a skilled and trained workforce; (ii) the extension or renewal of a PLA that was entered into by the District prior to January 1, 2017; or (iii) a PLA entered into by the DBE that will bind the DBE and all its subcontractors at every tier performing work on the project to use a skilled and trained workforce.

[CERTIFICATION ON NEXT PAGE]

VIII. CERTIFICATION

DBE and all Members must sign. Copy this certification page as needed for each Member.

I certify and declare that I have read all the foregoing answers to this prequalification submittal template; that all answers are correct and complete of my own knowledge and belief. I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Date: _____, 2018

Name of DBE or Member: _____

Signature by authorized individual: _____

Print Name: _____

Title: _____

*Note – Other than adding additional pages if necessary, no changes or alterations can be made to the Appendix B document. Any such changes shall be grounds for disqualification.

EXHIBIT A-1

Design-Build Project References

List the three most recent design-build projects, each with a contract price over $1 million, completed by the general contractor for the DBE. Also, the general contractor can submit project experience with other design-build partners, and can also submit its chosen architect with their design-build experience. The projects may be public or private. Contact information must be current and viable. (Copy additional sheets.)

1. Project Name: _____
2. Project Address: _____

   _____
3. Owner (name and tel. #): _____

   _____
4. Architect (name and tel. #): _____

   _____
5. Construction Manager (name and tel. #): _____

   _____
6. Scope of Work: _____

   _____

   _____
7. Original Completion Date: _____
8. Actual Complete Date: _____
9. Time Extensions Granted (# of days): _____
10. Initial Contract Value: _____
11. Final Contract Value: _____

Date: _____, 2018

Signature by authorized individual: _____

Print Name: _____

Title: _____

EXHIBIT A-2

CA K-12 Public School Project References

List the three most recent California K-12 public school construction projects, each with a contract price over $1 million, completed by the general contractor for the DBE. Also, the general contractor can submit project experience with other design-build partners, and can also submit its chosen architect with their design-build experience. Contact information should be current and viable. (Copy additional sheets.)

1. Project Name: _____
2. Project Address: _____

   _____
3. Owner (name and tel. #): _____

   _____
4. Architect (name and tel. #): _____

   _____
5. Construction Manager (name and tel. #): _____

   _____
6. Scope of Work: _____

   _____

   _____
7. Was this a design-build project? _____
8. Original Completion Date: _____
9. Actual Complete Date: _____
10. Time Extensions Granted (# of days): _____
11. Initial Contract Value: _____
12. Final Contract Value: _____

Date: _____, 2018

Signature by authorized individual: _____

Print Name: _____

Title: _____

EXHIBIT A-3

M&O/Corporation Yard Project References

List the three most recent M&O/Corporation Yard types of construction projects, each with a contract price over $1 million, completed by the general contractor for the DBE. Also, the general contractor can submit project experience with other design-build partners, and can also submit its chosen architect with their design-build experience. Contact information should be current and viable. (Copy additional sheets.)

1. Project Name: _____
2. Project Address: _____

   _____
3. Owner (name and tel. #): _____

   _____
4. Architect (name and tel. #): _____

   _____
5. Construction Manager (name and tel. #): _____

   _____
6. Scope of Work: _____

   _____

   _____
7. Was this a design-build project? _____
8. Original Completion Date: _____
9. Actual Complete Date: _____
10. Time Extensions Granted (# of days): _____
11. Initial Contract Value: _____
12. Final Contract Value: _____

Date: _____, 2018

Signature by authorized individual: _____

Print Name: _____

Title: _____

Santa Ana + Oakland + San Diego + Honolulu

SVA Architects, Inc.

2335 Broadway, Suite 301
Oakland, California 94612
T 510.267.3180

info@sva-architects.com
www.sva-architects.com

Lodi Unified School District

New Maintenance & Operations Facility

Lodi, CA

Design/Build Criteria Documents

Table of Contents

Section 1 – General Project Information

A. Project Summary

This project consists of the design/build construction of a new Maintenance & Operations Facility for Lodi Unified School District in Lodi, CA at the district's acquired property along Guild Ave and the future Lime St (not yet constructed). The site is an existing undeveloped site (currently used for agricultural purposes) of 14.08 acres. The proposed project includes the development of a new entry driveway at Guild Ave with a new access drive leading to the new development including a new manufactured steel building of a minimum 37,000 SF and all associated site structures including driveways and parking, site walls and fencing and all required storm water facilities and other utilities. Refer to the included site plan for the proposed configuration and site features. The remaining area identified on the plan for future development. The design/build team shall be responsible for both on-site and off-site improvements as required for the development, including the extension of both wet and dry utilities from the public right-of-way to the project, as well as planned improvements to the right-of-way including new sidewalk along the full extent of the property's frontage along Guild Ave (approximately 310'). The new building is a proposed manufactured metal building system which is described in more detail in the following pages.

This document provides the design criteria and performance specifications which shall be incorporated as part of the Design/Building proposal by all teams. As part of the design/build process, the design/build entity shall be responsible for the complete design, approval through all regulatory agencies, and construction of the project. All design/build teams shall be responsible for their own coordination with the regulatory agencies.

B. Program

The program below has been developed with the Lodi Unified School District as meeting their requirements for the facility, with the complete program fitting within the 37,000 gross SF floor plan as shown in these bridging documents. The design/build teams' proposals shall not be less than the 37,000 gross SF floor plan, and no individual spaces shall be more than 2% smaller than the listed SF without approval of the district for that space.

	Net Area (SF)	Count	Total Area (SF)
Administration			
Director's Office	150	1	150
Director's Conference Room	225	1	225
Administrative Assistant	120	1	120
Operations Supervisor	138	2	276
Structural Supervisor	138	1	276
Mechanical Supervisor	138	1	138
Construction Specialists	118	2	236
Facilities & Planning Tech	100	1	100
Maintenance Services Assistant	90	1	90
Clerk	90	1	90
Conference Room	200	1	200
Staff Work Room	415	1	415
Storage/Mail Room	188	1	188
Toilets		3	472
Staff Lounge/Dining	833	1	833
Kitchenette	177	1	177
Training Center	2,000	1	2,000
Circulation + Utilities	*As Req'd*		
Mechanical Shop Space			
Auto Shop	4,160	1	4,160
Auto Shop RR	80	1	80
Auto Shop Office	125	1	125
Auto Shop Oil Collection	100	1	100
HVAC/Electrical/Plumbing	2,320	1	2,320
Filter Storage #1	2,044	1	2,044
Energy Management/Plan File Room	975	1	975
Structural Shop Space			
Welding Shop	1,404	1	1,404
Carpentry Shop	2,266	1	2,266
Locksmith Shop	740	1	740

Paint/Glazing Shop	1,800	1	1,800
Grounds Shop Space			
Mower Storage	3,614	1	3,614
Custodial Shop Space			
Warehouse/Custodial Equip. Repair	1,792	1	2,000
Office	92	2	184
Slop Sink	90	1	90
Miscellaneous			
Pull Barn/Equipment Storage	6,155	1	6,155
Hazardous Waste Collection	500	1	500

C. Manufactured Building System Requirements

The proposed basis of design for the building system is based upon Butler Manufacturing. Design-build teams may propose equivalent alternate systems that comply with the level of construction and performance outlined below (proposals shall include a summary of the proposed system):

Structural System: Widespan (Straight Columns). *Interior columns are acceptable where they correspond with proposed interior walls – no interior columns in the middle of rooms shall be acceptable.*

Roofing System: MR-24 Roof System – Standing Metal Seam Roofing System. Min. R-30 Roofing Insulation to be provided as part of manufacturer assembly

Exterior Wall System: Concrete Masonry (CMU) Partial Height Exterior Wall for Abuse-Resistance to 32" AFF w/ Thermawall System Above (Fluted Pattern w/ Concealed Clips and 3" min. foam core insulation integral to panel). Final color selection to be made by district during design/build process.

Roof Height / Slope / Overhang: System shall maintain a minimum clear height to the bottom of beams of 13' at the lowest point of the overhang. Minimum roof slope of 1:12 is required.

D. Other Architectural Requirements

The following are summarized standards for elements of interior architectural elements not part of the manufacturer system. *Further detail regarding each of these items is included in the outline specifications in the next section.*

1. Interior Walls – All interior wall framing shall be metal stud framing, minimum 6". Interior walls between shop and storage spaces must be full-height to the deck above and sealed with deck closures to isolate each space.

2. Windows – All exterior windows shall be thermally-broken aluminum frame windows with insulated glazing w/ Low-E surfaces.
3. Doors – All exterior and interior doors and frames shall be hollow metal. Interior office and conference room doors shall be provided with a full-height vision light.
4. Roofs – Roofs shall be kept as clear from equipment as possible. No rooftop-mounted package units shall be excepted (see information in mechanical standards for more information). Design-build team shall provide standoffs for attachment of a rooftop safety system.

E. Finishes

The required finishes for all interior spaces shall be per the table below:

Space Type	Flooring	Base	Wall Finish	Ceilings
Offices & Conference Rooms	Resilient Sheet	4" Rubber Base	Painted GB	2' x 2' ACT
Restrooms	Ceramic Tile	Ceramic Tile	Ceramic Tile to 4' / Painted GB Above	Painted GB
Utility Rooms	Sealed Concrete	4" Rubber Base	Painted GB	None
Shop & Storage Spaces	Sealed Concrete	4" Rubber Base	Painted GB (Impact Resistant)	None

F. Code Summary and Applicable Codes & Standards

Occupancies	Groups S-1 (Storage & Shop Spaces) B (Offices) H *(May be present dependent on final quantities of proposed materials)*
Construction Type Proposed	Type IIB (Non-combustible – no fire ratings)
Automatic Fire Sprinklers	Required Throughout Entire Building (NFPA 13)
Allowable Building Areas	70,000 SF for Group S-1 92,000 SF for Group B *Allowable area for Group H depends on final material quantities (if applicable)*
Fire Resistance Ratings Required	No rating required for structural elements 1 HR rating required per client preference between each of the individual shop spaces 2 HR required between paint room and all surrounding spaces per CBC Table 509

Codes and Standards

2016 Building Standards Administrative Code, Title 24 – Part 1
2016 Green California Building Standards, CalGREEN, Title 24 – Part 11
2016 California Building Code (CBC), Title 24 – Part 2
2016 California Electrical Code (CEC), Title 24 – Part 3
2016 California Mechanical Code (CMC), Title 24 – Part 4
2016 California Plumbing Code (CPC) ,Title 24 – Part 5
2016 California Energy Code, Title 24 – Part 6
2016 California Fire Code (CFC), Title 24 – Part 9
2019 California Referenced Standards, Title 24 – Part 12
State Fire Marshal Regulations, Title 19
Americans with Disabilities Act 2010 Standards for Accessible Design
B (Offices)
H *(May be present dependent on final quantities of proposed materials)*

Section 2 – Architectural Outline Specifications

The following specifications do not include the elements of the main manufactured building system, which are described in the previous section.

SECTION 03 30 00 – CAST-IN-PLACE CONCRETE

A. General: Provide cast-in-place concrete, min. 3000 PSI strength at 28 days or as required per design-build team's final design.

B. Cementitious Materials:

1. Portland Cement: ASTM C150/C 150M, Type I/II, gray.
2. Fly Ash: ASTM C618, Class F or C.
3. Slag Cement: ASTM C 989, Grade 100 or Grade 120.

C. Normal-Weight Aggregates: Single-source, ASTMC C33/C 33M.

D. Admixtures: As per concrete manufacturer.

E. Curing Materials: As required for applications and environmental conditions.

F. Steel Reinforcement: ASTM A615, Grade 60 deformed reinforcing bars.

END OF SECTION

SECTION 04 22 00 – CONCRETE UNIT MASONRY

A. General: Provide concrete masonry unit construction for perimeter wall base as described in architectural narrative, with mortar, reinforcement, anchorage and accessories as required for complete installation.

B. Manufacturers: Angelus Block Co; Basalite Concrete Products; Orco Block Co; RCP Block and Brick.

C. Concrete Masonry Units: Medium-weight hollow loadbearing units conforming to ASTM C90, nominal size 8" x 16" with precision surface.

D. Mortar: Conforming with ASTM C270, Type S.

E. Grout: Conform to ASTM C476; minimum compressive strength 2,000 psi.

F. Reinforcing: Deformed bars, ASTM A615, Grade 60.

G. Water Repellant: Per Division 7.

END OF SECTION

SECTION 05 50 00 - METAL FABRICATIONS

A. General: Provide miscellaneous metal shapes and fabrications as required and not included as part of other sections, with anchors and accessories as required for complete installation.

B. Steel Shapes: ASTM A36 steel.

C. Grout: Provide non-shrink, non-metallic, pre-mixed, factory packaged, non-staining, non-corrosive, non-gaseous grout; type specifically recommended by manufacturer for applications indicated.

D. General Fabrication: Grind exposed welds smooth and flush with adjacent surfaces; countersink fasteners; make exposed butt joints hairline joints where mechanically fastened.

1. Fit and shop assemble in largest practical sections for delivery.

E. Bollards: Minimum schedule 40 seamless pipe filled with concrete.

F. Pre-Engineered Support Systems: Unistrut or Grinnell/PowerStrut manufactured pre-engineered support system "C" channels with anchors, attachments, and accessories as required for complete installation. Gages as required to support anticipated loads.

G. Grout: Provide non-shrink, non-metallic, pre-mixed, factory packaged, non-staining, non-corrosive, non-gaseous grout; type specifically recommended by manufacturer for applications indicated.

H. Finish: Galvanize and prime paint exterior miscellaneous metal, prime paint interior miscellaneous metal; galvanize coating minimum G90 coating, galvanized after fabrication.

1. Clean surfaces of rust, scale, grease and foreign matter prior to applying galvanized or painted finish.

I. Installation: Install items square and level, accurately fitted and free from distortion and defects.

END OF SECTION

SECTION 06 10 50 - MISCELLANEOUS ROUGH CARPENTRY

A. General: Provide miscellaneous blocking and plywood.

B. Standards: Comply with requirements of American Institute of Timber Construction (AITC), American Plywood Association (APA), and applicable code requirements.

C. Blocking: Comply with PS 20; graded by an agency certified by Forest Products Society (FPS) and of type recommended for application involved; Douglas Fir; minimum Construction Grade S-dry.

D. Plywood: Comply with PS 1, and applicable APA Performance Standards for type of panel and application indicated.

E. Treated Wood: Pressure treat wood in foundations and roofing; fire treat wood concealed in interior at Type I or II construction; fire treat blocking at roofing in Type I or II construction where required by applicable authorities.

1. Pressure Treated: Water-borne preservatives for above ground use conforming to AWPA C2 and C9.

2. Fire Retardant Treatment: Comply with AWPA standards for pressure impregnation with fire-retardant chemicals to achieve flame-spread rating of not more than 25 in accordance with ASTM E84 or UL Test 723.

3. Kiln-dry treated wood to 19% moisture content and discard warped and damaged pieces.

F. Fasteners: Galvanized at exterior locations and pressure treated wood; size and type to suit application; provide washers for nuts and bolts.

G. Installation: Comply with referenced standards and applicable code requirements.

END OF SECTION

SECTION 06 40 00 - ARCHITECTURAL WOODWORK

A. General: Provide custom wood casework, countertops, wood paneling, and accessories as required for complete finished installation.

B. Standards: Conform to Architectural Woodwork Standards, Edition 2, (AWS) adopted and published jointly by AWI, AWMA, and Woodwork Institute.

C. Manufacturers: Members of Woodwork Institute (WI) with minimum five years' successful experience fabricating architectural woodwork similar to that required for Project.

D. Casework: Type A frameless, Style 1 overlay, flush overlay type.

1. Plastic Laminate Finished: AWS/Custom Grade with NEMA LD-3 General Purpose Type high pressure laminate; Formica, LaminArt, or Wilsonart; 0.050" thick for horizontal surfaces, 0.030" thick for vertical surfaces; back-up sheets melamine.

E. Plastic Laminate Countertops: NEMA LD-3 General Purpose Type high pressure plastic laminate by Formica, LaminArt, or WilsonArt, minimum 0.042" postforming type with 0.020" back-up sheets.

F. Solid Polymer Countertops: DuPont/Corian, Avonite, or Formica Surell; manufacturer's standard polymer system with color throughout thickness; provide manufacturer recommended joint adhesive; color as directed by Architect.

G. Casework Hardware: Provide casework hardware items as required for complete installation as indicated; provide types as listed in Architectural Woodwork Standards for Grade 1, but no less than following types.

1. Shelf Supports: Plug-in pin type shelf supports.
2. Hinges: European style concealed hinges.
3. Slides: Full extension slides, self-closing not less than 50 lb. capacity.
4. Cabinet Pulls: 3" wire pulls unless otherwise indicated.
5. Locks: Required at all doors and drawers.

H. Installation: Comply with Architectural Woodwork Standards and manufacturer recommendations.

END OF SECTION

SECTION 07 19 00 - WATER REPELLENTS

A. General: Provide water repellent coating at exterior surfaces of concrete masonry systems, exposed concrete, and exterior surfaces of masonry construction.

B. Manufacturers: ProSoCo/Sure Klean SL 100; Evonik Degussa/Aqua-trete; BASF/Hydrozo Enviroseal.

C. Type: Penetrating clear siloxane or silane type water repellent type coating designed for application to substrates indicated without altering appearance, color or texture.

D. Applicator: Manufacturer approved and with minimum five years successful experience in application of similar clear water repellent coatings.

E. Installation: Comply with manufacturer recommendations.

END OF SECTION

SECTION 07 21 00 – THERMAL INSULATION

A. General: Provide thermal insulation with accessories as required for complete installation.

B. Thermal Resistance: Provide thermal resistance as required by California Energy Commission Title 24 requirements, but not less than R-19 at walls and R-38 at horizontal surfaces unless otherwise indicated.

C. Thermal Batt Insulation; Foil Faced: Owens Corning/FS-25, CertainTeed/Thermafiber FS25, or Johns Manville/FSK-25; ASTM C665, Type III; foil faced vapor retarder faced, vapor retarder toward inside.

D. Thermal Batt Insulation; Unfaced: Owens Corning/Fiberglas; Johns Manville/Thermal-Shield; CertainTeed/Thermafiber; unfaced ASTM C665, Type I.

E. Fiberglass Board Insulation: Owens Corning/Fiberglas 700 Series, Johns Manville/Insul-Shield, or CertainTeed/CertaPro Insulation; ASTM C612; foil vapor retarder faced, vapor retarder toward inside.

F. Nailable Surface Rigid Insulation at Roof: Provide foam insulation intended for use with sloped nailable type roofing systems; with minimum 7/16” oriented strand board (OSB) surface and glass fiber mat facer, conform to ASTM C1289, Type I, Class I.

1. Manufacturers: Johns Manville/NailBoard; Dow Chemical Co./Hy-Therm Nail-Line; Atlas Roofing Corp./ACFoam Nail Base; RMAX, Inc./Nailable Base-3.

G. Polystyrene Insulation: Dow/Styrofoam RM, Owens Corning/Foamular, ASTM C578, extruded polystyrene insulation with skin surface; square edges; "K" factor of 0.20.

H. Accessories: Provide adhesives, tape, and penetration anchors as required to ensure permanent installation.

I. Installation: Comply with manufacturer recommendations.

END OF SECTION

SECTION 07 26 00 - BELOW GRADE VAPOR RETARDER

A. General: Provide slab-on-grade vapor retarder and sand cover.

B. Manufacturer: Fortifiber Corp./Ultra 15; Stego Industries, Inc./Stego Wrap (15 mil); Raven Industries, Inc./Vapor Block # VB 15 (15 mil Blue); Poly America/Husky Yellow Guard 15.

C. Vapor Retarder: ASTM E1745, Class A water resistant retarder consisting of 15 mil polyolefin film. Maximum 0.025 perms, ASTM F1249 and E154 tests.

D. Joint Sealer: Pressure sensitive tape as recommended by vapor retarder manufacturer and providing comparable premeance to vapor retarder.

E. Sand Bed: Clean natural sand; free from silt, clay, loam, friable or soluble materials, and organic matter.

F. Installation: Comply with manufacturer recommendations; tape joints and tears in vapor retarder.

END OF SECTION

SECTION 07 41 15 – MANUFACTURED STANDING SEAM METAL ROOFING

A. General: Provide preformed, prefinished metal roofing system with underlayment, integral trim and flashing, and integral sealants as required for weathertight installation. System shall be by the manufacturer of the building system.

B. Installation: Comply with manufacturer's recommendations and installation instructions; replace damaged components; finished installation free of rattles and noise due to thermal movement and wind.

END OF SECTION

SECTION 07 60 00 - FLASHING AND SHEET METAL

A. General: Provide flashing and sheet metal, reglets, and accessories as required for complete, weathertight installation.

B. Standards: Conform to SMACNA "Architectural Sheet Metal Manual" requirements for flashing and sheet metal.

C. Prefinished Galvanized Steel Flashing: 24 gage G90 galvanized steel with factory finished Kynar 500 type fluoropolymer coating and strippable protective film; color as selected from manufacturer's full range of colors.

D. Stainless Steel Sheet Metal: ASTM A666, Type 304, 2D annealed finish, soft temper except where harder temper is required for forming or performance; 0.015" (28 gage) typical.

1. Provide ASTM A666, Type 316 special nonmagnetic corrosion resistant sheet metal where subject to salt water climate.

E. Reglets: Fry/Springlok or MM Systems/Snap-Tite Reglets; fabricate of same metal as adjacent flashing and sheet metal.

F. Metal to Metal Sealant: Butyl type; non-staining, non-corrosive, non-shrinking, non-sagging, ultra-violet and ozone resistant.

G. Splash Blocks: Precast concrete, minimum 2000 psi at 28 days.

H. Installation: Comply with SMACNA Manual.

1. Do not use exposed fasteners where visible from outside.

END OF SECTION

SECTION 07 72 00 - ROOF HATCHES

A. General: Provide roof access hatches with accessories as required for complete weathertight installation.

B. Manufacturers: Bilco, Babcock-Davis, Dur-Red, Milcor.

C. Roof Hatches: Provide single leaf type weathertight roof hatch with integral curb and counterflashing, and manufacturer's standard opening hardware and padlock hasp.

1. Sizes: As indicated on Drawings, not less than 3’-0” by 2’-6” for buildings up to three stories or less, 4’-0” by 4’-0” for buildings four stories and more, and sized as required where roof access is indicated by ships ladders.

2. Integral Railings: Provide fall protection rail system integral with roof hatch curb.

D. Installation: Comply with manufacturer recommendations for weathertight installation.

END OF SECTION

SECTION 07 84 00 - FIRESTOPPING

A. General: Provide penetration-type firestopping for time-rated floor, wall, and partition assemblies capable of preventing passage of flame, smoke and hot gases.

B. Codes: Conform with applicable code requirements for both F and T ratings.

C. Standards: Pass ASTM E814 through-penetration fire stops, ASTM E119 fire tests and ASTM E84 flame spread/smoke contribution maximum 25/25.

D. Manufacturers: 3M/Fire Barrier, STI/SpecSeal or Pensil, Hilti/Firestop Systems.

E. Installation: Install in accordance manufacturer recommendations and fire test results as required to provide required fire ratings.

END OF SECTION

SECTION 07 90 00 - JOINT SEALANTS

A. General: Provide exterior and interior joint sealers not provided elsewhere; type suitable for application indicated with accessories as required for complete installation.

B. Verification: Manufacturer representative to review Project and verify in writing joint sealers are compatible with substrates and with applications indicated.

C. Elastomeric Sealants:

1. Exterior Non-Traffic Joints (General Exterior): GE/Silpruf, Dow/790-795, or Pecora/854, low modulus silicone sealant.

2. Traffic Bearing Joints (Exterior Paving): Mameco/Vulkem 245, or Pecora/NR-200 Urexpan, multi-component polyurethane, self-leveling joint sealer.

3. Mildew-Resistant Sanitary Sealants (Toilet Rooms): GE/Sanitary Sealant, Dow/Bathtub Caulk, or Pecora/863 #345 White; provide at interior areas where sealant will be exposed to water.

D. Non-Elastomeric Sealants:

1. General Interior Joint Sealer: Pecora/AC-20 or Sonneborn/Sonolac, acrylic or latex emulsion.

2. Air Seals: Dow/Great Stuff, Owens Corning/Energy Complete Air Sealant, Grace/Polycel-One for filling openings between condition and unconditioned spaces.

E. Miscellaneous Materials: Primers, sealers, joint cleaners, bond breaker tape, and sealant backer rods as recommended by sealant manufacturer for applications indicated.

1. Oversize backer rod minimum 30% to 50% of joint opening.

F. Preparation: Clean joint surfaces immediately before installation of joint sealer, and prime or seal joint surfaces as recommended by manufacturer.

G. Installation: Comply with manufacturer's printed installation instructions and ASTM C1193.

1. Employ installation techniques which will ensure joint sealers are deposited in uniform, continuous ribbons without gaps or air pockets, with complete "wetting" of bond surfaces.

END OF SECTION

SECTION 08 11 10 - HOLLOW METAL DOORS AND FRAMES

A. General: Provide steel doors and frames, including hollow metal (pressed steel) frames, and accessories as required for complete installation.

1. Coordinate with Section 08 71 00 – Door Hardware.

B. Standards: Comply with Steel Door Institute (SDI): SDI-100 (ANSI/SDI A250.8) - Recommended Specifications - Standard Steel Doors and Frames or NAAMM Hollow Metal Manufacturers Association "Hollow Metal Manual."

C. Manufacturers: Ceco; Republic; Curries Div. Assa Abloy; Amweld; Republic.

D. Hollow Metal Doors: Flush hollow metal doors full flush type with filled edge; close top at exterior doors.

1. Core: Provide steel stiffened core; insulated at exterior doors.

2. Gage: Provide minimum 0.042” (8 gage) at interior doors, minimum 0.053” (16 gage) at exterior doors.

E. Pressed Steel (Hollow Metal) Frames: Minimum 0.067” (14 gage) welded (pre-assembled) frames exterior, minimum 0.053” (16 gage) knock-down (field-assembled) frames interior.

F. Fire Rated Units: Conform with NFPA 80; provide UL or Warnock Hersey labeled doors and frames as required.

G. Accessories: Provide door silencers, anchors, and accessories.

H. Finish: Prime paint interior units, galvanize and prime paint exterior units; minimum A60 galvanizing; clean, degrease and factory prime paint.

I. Installation: Comply with manufacturer recommendations, SDI or NAAMM standards, and applicable requirements for fire ratings.

END OF SECTION

SECTION 08 31 00 - ACCESS DOORS AND PANELS

A. General: Provide access doors as required for access to valves and controls located behind finished walls and ceilings not otherwise accessible, with accessories for complete installation.

B. Manufacturers: Nystrom, J.L Industries, Karp.

C. Type: Flush type at non fire rated construction, standard UL approved framed type at fire rated construction; key operated.

D. Installation: Comply with manufacturer recommendations and applicable requirements for fire ratings.

END OF SECTION

SECTION 08 51 10 - ALUMINUM WINDOWS

A. General: Provide aluminum windows, including glass, hardware and accessories as required for complete weathertight installation.

B. Standards: Comply with Architectural Aluminum Manufacturers Association (AAMA) AAMA 101 "Aluminum and PVC Prime Windows and Doors."

C. Codes: Provide units tested with results complying with applicable code requirements for anticipated wind loads.

D. Manufacturers: Blomberg, Kawneer, EFCO, Arcadia.

E. Types: Fixed and operable aluminum windows, AAMA 101 LC Light Grade commercial or higher grade windows; thermally broken systems certified by National Fenestration Council (NFRC) and with NFRC labels.

1. Finish: Fluoropolymer coating based on Kynar 500 or Hylar 5000; color to be determined.

F. Glass: Preassembled insulated glass units consisting of organically sealed panes of glass enclosing a hermetically sealed dehydrated air space with -20 degree F dew point; 1” thick.

1. Performance: Certified to ASTM E2190 by Insulating Glass Certification Council.

2. Glass: ASTM C1048, Kind FT fully tempered select glazing quality clear float glass; safety glass; nominal 1/4" thick; with PPG/SolarBan 60 low emissivity coating on No. 2 surface.

G. Glazing Materials: Manufacturer’s standard.

H. Accessories: Provide reinforcing, anchorage, aluminum trim, glazing materials, and accessories as required for complete installation.

1. Insect Screens: Provide for operable windows.

I. Installation: Comply with manufacturer recommendations, AAMA, and applicable code requirements for wind resistance.

END OF SECTION

SECTION 08 71 00 – DOOR HARDWARE

A. General: Provide door hardware for hollow metal and wood doors and provide cylinders for doors provided with hardware, with accessories as required for complete operational door installations.

1. Hardware Schedule: Contractor hired Architectural Hardware Consultant (AHC) to develop Hardware Schedule based on requirements in Contract Documents and applicable codes and regulations.

B. Standards: Comply with Builders Hardware Manufacturers Association (BHMA) ANSI/BHMA 156 Series standards.

C. Codes and Regulations: Comply with state and federal requirements including requirements for egress and for ensuring access for persons with disabilities.

D. Hinges: Hager, Stanley; full mortised butt hinges; size and number as recommended by manufacturer; nonremovable pins at exterior outswinging doors, ball-bearing hinges at fire rated doors and doors with closers.

E. Locksets/Latchsets: Coordinate with Lodi Unified District Standards.

1. Exterior, Public, and Unit Entry Doors: Full mortise locksets typical; solid lever type with rose; keying as directed by Owner; provide cylinders for doors with locks.
2. Interior Bedrooms and Bathrooms: Cylindrical (bored) type privacy locksets.
3. Other Interior Doors: Cylindrical (bored) type latchsets.

F. Overhead Closers: LCN/4000 Series, Norton/7500, or Dorma/TS83U2; fully adjustable, modern type with cover; maximum 5 lbs. operating pressure on installed doors typical, 15 lbs. maximum at fire rated doors.

G. Accessories: Provide door viewers, door stops, thresholds, weather-stripping, trim, coordinators and accessories as required for complete operational door installation.

H. Satin Chrome Finish: BHMA 626 (US26D), satin finished chromium plated.

I. Installation: Comply with manufacturer recommendations, BHMA, and applicable requirements for egress, access, and for fire ratings.

END OF SECTION

SECTION 08 80 00 - GLAZING

A. General: Provide glass and glazing accessories as required for complete installation.

B. Standards: Comply with Glass Association of North America (GANA) "Glazing Manual" and "Glazing Sealing Systems Manual."

C. Codes: Safety glazing shall comply with Consumer Product Standard 16 CFR 1201, and shall have passed ANSI Z97.1.

D. Manufacturers: PPG, Oldcastle, Guardian.

E. Float Glass: ASTM C1036 select glazing quality; nominal 1/4" thick.

F. Tempered Glass: ASTM C1048, Kind FT, fully tempered, select glazing quality; safety glass; nominal 1/4" thick.

G. Clear Fire Rated Glass: Technical Glass Products/Premium FireLite; Safety and Fire Technology Inc. (SAFTI)/SuperLite I; fire ratings as required by code for openings.

H. Laminated Glass: ASTM C1172, Kind LA, two sheets of select glazing quality clear float glass laminated with polyvinyl buteral film, safety glass; laminated layers shall be free of air pockets and foreign substances.

1. Railings: Provide laminated glass with either ASTM C1048, Kind FT fully tempered or Kind HS heat strengthened glass.

I. Insulated Glass: Preassembled insulated glass units consisting of organically sealed panes of glass enclosing a hermetically sealed dehydrated air space with -20 degree F dew point; 1” thick.

1. Performance: Certified to ASTM E2190 by Insulating Glass Certification Council.
2. Glass: ASTM C1048, Kind FT fully tempered select glazing quality clear float glass; safety glass; nominal 1/4" thick; with PPG/SolarBan 60 low emissivity coating on No. 2 surface.

J. Glazing Sealant: Dow, GE, Tremco; one component silicone glazing sealant; provide as recommended by sealant manufacturer for applications indicated.

K. Setting Blocks and Spacers: Neoprene or EPDM, silicone compatible where in contact with silicone sealant.

L. Installation: Comply with glass manufacturer recommendations, GANA, and applicable codes; metal shall not touch glass.

END OF SECTION

SECTION 08 91 00 - LOUVERS

A. General: Provide extruded aluminum wall louvers with bird screens, integral flashing, and accessories as required for complete installation.

B. Manufacturers: Airolite, Construction Specialties, or Ruskin.

C. Type: Factory prefinished, extruded aluminum continuous blade louvers as indicated, complete with flashing and accessories, including birdscreens.

1. Finish: Kynar 500 or Hylar 5000 type fluoropolymer coating; color as required to match windows.

D. Type: Sheet metal louvers formed of shapes as indicated; Contractor option aluminum sheet or G90 galvanized steel sheet unless otherwise indicated.

E. Performance Criteria: Where indicated, comply with specific performance requirements; unit performance ratings determined in compliance with Air Movement and Control Association (AMCA) Standard 500.

1. Free Area: Minimum 45% based on 48" by 48" louver.

F. Bird Screen for Exterior Louvers: Minimum 0.063" diameter wire, 1/2" interwoven square mesh.

G. Installation: Comply with manufacturer recommendations.

END OF SECTION

SECTION 09 21 00 - GYPSUM BOARD ASSEMBLIES

A. General: Provide gypsum board systems including light gage (20 gage and lighter) metal framing, gypsum board, joint treatment, acoustical insulation, acoustical sealant, and accessories as required for complete installation.

B. Standards: Perform gypsum board systems work in accordance with of ASTM C754 and ASTM C840 unless otherwise specified.

1. Fire-Rated Assemblies: Listed by UL, Gypsum Association (GA) File No's in GA-600 Fire Resistance Design Manual, or other listing approved by applicable authorities.

C. Systems Responsibility: Provide products manufactured by or recommended by manufacturer of gypsum board to maintain single-source responsibility for system.

1. Openings: Obtain dimensions and locations from other trades and provide openings and enclosures for accessories, specialties, equipment, and ductwork.

D. Submittals: Submit product data and samples of special texture.

E. Manufacturers: USG, Georgia Pacific, or National Gypsum.

F. Light Gage Metal (Stud) Framing: Conform to ASTM C754; complete 20 gage and lighter steel framing and suspension system for gypsum board systems.

1. Resilient Channels: Screw-type resilient channels where indicated and where required to provide required sound transmission and impact isolation classifications.

G. Gypsum Board Materials: Provide materials in accordance with ASTM C840.

1. Gypsum Board: ASTM C36, Type X fire rated; comply with ASTM C840; maximum permissible lengths; ends square cut, tapered edges on boards to be finished.
2. Gypsum Core Board/Gypsum Liner Board: ASTM C442, Type X, 1" thick; mildew and mold resistant.
3. Mold Resistant Gypsum Board: Provide at high humidity areas not covered with tile including but not limited to kitchens, bathrooms, showers, laundries, and basements.
4. Tile Substrate: Cementitious backer units specified in Section 09300 - Tile.

H. Gypsum Board Accessories: Comply with ASTM C840.

I. Acoustical Accessories: ASTM C665, Type I unfaced acoustical insulation, ASTM C919 acoustical sealant; and outlet, switch, and telephone box acoustical pads, standard and fire rated.

J. Gypsum Board Installation: Install in accordance with ASTM C840 and manufacturer's recommendations; use screws when fastening gypsum board; comply with Gypsum Association “Levels of Gypsum Board Finish”; provide fire rated systems where indicated.

1. Public Areas: GA Level 4, three coat finishing and sanding is required for surfaces indicated to be painted; provide flush, smooth joints and surfaces ready for applied paint finishes.

K. Acoustical Accessories Installation. Comply with manufacturer recommendations as required to achieve STC ratings indicated.

END OF SECTION

SECTION 09 30 00 - TILING

A. General: Provide ceramic, quarry, stone, porcelain, and terrazzo tile systems including setting materials, grout, and accessories as required for complete finished installation.

B. Standards: Comply with Tile Council of North America "Handbook of Ceramic Tile Installation" including referenced ASTM and ANSI standards.

C. Tile: Provide tile types as indicated in Finish Schedule.

1. Floor Tile: Provide non-slip units with minimum wet and dry value coefficient of friction of not less than 0.60, ASTM C1028.

D. Portland Cement Setting Bed: Portland cement bed conforming to ANSI A108.1 and TCNA recommendations including separator sheet and reinforcing mesh; separator sheet may be deleted where over waterproof membrane.

E. Latex Thin Set: Thinset bond coat, latex-cementitious mortar conforming to ANSI A118.4.

F. Grout: ANSI A118.7, latex-cementitious type, uniform in color, resistant to shrinkage; color to match tiile unless otherwise indicated.

G. Waterproof Membrane: Laticrete, Bostik, Parex/Mer-Krete Hydro-Guard 2000, or Nobel; manufacturer's standard system designed for application under thin set tile in non-immersed applications.

H. Cementitious Backer Units: ANSI A118.9, nominal 1/2" thickness unless otherwise indicated or required for fire ratings; USG/Durock, National Gypsum/PermaBase, Custom Building Products/Wonder-Board. Georgia Pacific/DenShield is acceptable.

I. Cleaning and Sealing Materials: As recommended by tile and grout manufacturers, such as Bostik Construction Products/Hydroment CeramaSeal.

J. Preparation: Do not commence work until surface conditions are within tolerances required for installation; apply latex leveling material where necessary to meet required tolerances.

K. Waterproofing: Install waterproofing at tile areas located above grade in accordance with manufacturer's recommendations; extend membrane minimum 6" up walls.

L. Cementitious Backer Units: Install units in accordance with ANSI A108.11, manufacturer recommendations, and as required to provide fire ratings indicated on Drawings.

M. Tile Installation: Install tile in accordance with referenced ANSI Standards and TCNA recommendations for type of substrate and indicated setting method; latex-cement thin set and bond coats required.

1. Bed Set Applications: Reinforced mortar bed with latex bond coat and latex grout.
2. Thin Set Applications: Latex bond coat and latex grout.
3. Place tile in accordance with patterns indicated on Drawings or as directed by Architect; carefully plan tile layouts, ensure pattern is uninterrupted from one surface to the next and through doorways.
4. Clean and seal tile and grout surfaces where recommended by manufacturer for materials and applications involved; comply with manufacturer's recommendations.

END OF SECTION

SECTION 09 51 00 – ACOUSTICAL CEILINGS

A. General: Provide acoustical ceilings including suspension system, trim, and accessories as required for complete finished installation.

B. Standards: Conform to ASTM C635 for metal suspension system and ASTM C636 for installation of acoustical ceilings.

C. Manufacturers: Armstrong; CertainTeed; USG; Chicago Metallic.

D. Suspension System: Exposed “T” grid system, direct hung, white baked enamel finished steel or aluminum type; edge trim with vertical leg concealed.

1. Size: Manufacturer’s standard nominal 1” grid at 2’ by 4’ ceiling systems and 9/16” grids at 2’ by 2’ ceiling systems unless otherwise indicated.

E. Acoustical Units: 2’ by 2’ panels with tegular edge.

1. Finishes: As indicated on Drawings, as directed by Architect based on standard fissured panel selections where not otherwise indicated.

2. Fire Ratings: Provide systems with flame spread and smoke density ratings of 25/450 unless otherwise indicated.

F. Installation: Comply with manufacturer recommendations, referenced standards, and applicable requirements for fire ratings.

END OF SECTION

SECTION 09 65 10 – RESILIENT BASE

A. General: Provide resilient base with accessories as required for complete finished installation.

B. Manufacturers: Johnsonite; Burke; Roppe.

C. Base: Provide extruded rubber base in roles with premolded corners and ends; cove type at hard floor surfaces; straight base at carpet; 4” high unless otherwise indicated.

D. Accessories: Nontoxic water resistant type adhesives.

E. Flammability: 0.45 watts/sq. cm or higher, ASTM E648.

F. Installation: Comply with manufacturer recommendations; prepare substrates in accordance with ASTM F710.

END OF SECTION

SECTION 09 65 30 - RESILIENT SHEET FLOORING

A. General: Provide resilient sheet flooring with accessories as required for complete finished installation.

B. Manufacturers: Armstrong, Lonseal, Tarkett, Mannington Commercial Flooring.

C. Type: ASTM F1303, Grade 1, Type II, Class A Backing and ASTM F1923; resilient sheet flooring, 0.080" thick.

1. Colors and Patterns: As indicated, as selected by Architect from manufacturer's full range of colors and patterns where not otherwise indicated.

D. Integral Base: Provide metal top edge strips and cove support strips for integral base.

E. Edge Strips and Accessories: Rubber or vinyl edge strips matching resilient flooring; latex-modified Portland cement based underlayment and patching compound; nontoxic water resistant type adhesives.

F. Flammability: 0.45 watts/cm2 or higher, ASTM E648.

G. Installation: Comply with manufacturer recommendations; prepare substrates in accordance with ASTM F710; integral coved base 4” high unless otherwise indicated.

END OF SECTION

SECTION 09 77 30 - FIBERGLASS WALL PANELS

A. General: Provide prefinished glass fiber reinforced polyester resin fabricated wall panels, with trim pieces and accessories as required for complete installation.

1. Locations: Janitor closets and trash container rooms.

B. Manufacturers: Crane Composites/Kemlite Glasbord Plus; Sequentia, Inc./Structoglas System; Nudo Products, Inc./Fiber-Lite Panels.

C. Panels: Fiberglass reinforced plastic (FRP) panel system; nominal 0.090" thickness; white.

1. Fire-Rating: Class III (UL Class C), maximum 200 flame spread, 450 smoke generation, ASTM E84.

D. Trim Pieces (Janitor Closets): Manufacturer's standard matching moldings and trim pieces as required for complete, finished installation, and as required for joints, corners and panel edges; USDA approved.

E. Joints (Trash Container Rooms): Silicone sealant as specified in Section 07 90 00 – Joint Sealers to facilitate heavy duty washing.

F. Adhesive: Manufacturer's recommended nontoxic, waterproof adhesive suitable for substrates indicated.

G. Primer: Provide non-staining release coat primer as recommended by wall panel manufacturer where panels are applied to gypsum board.

H. Mechanical Fasteners: Concealed type only; types as recommended by system manufacturer.

I. Installation: Comply with manufacturer recommendations and applicable requirements for fire ratings.

END OF SECTION

SECTION 09 90 00 – PAINTING AND COATING

A. General: Provide painting of exposed items and surfaces not prefinished, as required for complete finished installation.

1. Surfaces Not Painted: Prefinished items, code-required labels.

B. Submittals: Furnish product data and samples. Duplicate painted finishes of approved samples on actual wall surfaces and components for approval prior to commencing work.

C. Manufacturers: Benjamin Moore, Dunn-Edwards, PPG/Glidden, Sherwin-Williams, Kelly Moore; Vista Paint; Frazee Paint.

D. Material Quality: Provide top line quality commercial grade (professional painter) paints; materials not bearing manufacturer's identification as a best-grade product not acceptable.

1. Primers: Provide premium grade primers recommended by paint manufacturer for substrates indicated and for finish systems specified.

2. Finish Coats: Provide finish coats capable of being washed with mild detergent without loss of color, sheen, or pigments. Provide finish coats which are compatible with prime paints, undercoats, and barrier coats used.

3. Colors and Finishes: Prior to commencement of painting work, Architect will furnish color chips for surfaces to be painted.

E. Preparation: Perform preparation and cleaning procedures in accordance with paint manufacturer's instructions and as specified for substrate condition.

1. Remove hardware, accessories, and items in place and not to be painted, or provide protection prior to surface preparation and painting; after painting reinstall items.

F. Application: Apply paint in accordance with manufacturer's directions; use applicators and techniques best suited for substrate and type of material being applied. Apply additional coats when stains or blemishes show through final coat, until paint is uniform appearance.

1. Finish doors on tops, bottoms and side edges same as faces.

G. Minimum Coating Thickness: Apply at not less than manufacturer's recommended spreading rate, to establish dry film thickness as recommended by coating manufacturer.

H. Prime Coats: Apply to items not previously primed; recoat primed and sealed surfaces where there is evidence of suction spots or unsealed areas in first coat.

I. Finish Coats: Provide even texture; leave no laps, irregularity in texture, skid marks, or other surface imperfections.

J. Preparation and Application: Comply with manufacturer recommendations for types of substrates and specified paint systems.

K. Paint Systems: Provide minimum two coat plus primer systems except where otherwise indicated.

1. Painted Metal and Opaque Painted Wood: Semigloss 100% acrylic.
2. Exterior Transparent and Stained Wood: Two coats exterior stain; flat.
3. Exterior Natural Finished Wood: Two coats clear wood sealer and preservative; flat.
4. Gypsum Board Walls: Eggshell (Satin) latex emulsion.
5. Gypsum Board Ceilings: Flat latex emulsion.
6. Kitchens, Bathrooms Rooms: Semigloss acrylic enamel.
7. Exterior Metal (Coastal Areas): High performance coating in Section 09 96 70.
8. Stucco and Exterior Concrete: Elastomeric coating in Section 09 96 80.

END OF SECTION

SECTION 10 14 00 - SIGNAGE

A. General: Provide general signage including building identification signs, toilet room signs, stair signs, tactile exit signs, emergency evacuation signs, door and direction signs, and parking signs as required by applicable codes and standards.

B. Codes and Regulations: Comply with state and federal requirements for ensuring access for persons with disabilities.

C. Manufacturers: ASI Sign Systems; Mohawk; Vomar.

D. Building Identification Signs: 9” high Individual letter signs; cast or sheet aluminum; with concealed pin mounting designed to hold letters away from wall 1”; clear anodized finish.

E. Public Toilet Room Door Signs: Plastic/photopolymer; two signs required for each toilet room, one sign on door, one sign adjacent to door.

F. Stair Signage: Plastic/photopolymer with applied copy, vinyl letters or silkscreened, and Braille.

G. Tactile Exit Signs: Plastic/photopolymer signs conforming to applicable code requirements; provide at doors with lighted exit signs.

H. Emergency Evacuation Signs: Plastic/photopolymer signs with vinyl or silkscreen information and Braille; comply with applicable Fire Marshal requirements.

I. Door and Direction Signs: Plastic/photopolymer signs conforming to applicable codes and regulations including requirements for access for persons with disabilities.

J. Parking Signs: Porcelain steel.

K. Installation: Comply with manufacturer recommendations and applicable codes and regulations.

END OF SECTION

SECTION 10 21 00 – SOLID PLASTIC COMPARTMENTS

A. General: Provide solid HDPE toilet compartments and accessories as required for complete finished installation; coordinate with toilet accessories.

1. Coordinate with toilet accessories.

B. Codes and Regulations: Comply with state and federal requirements for ensuring access for persons with disabilities.

C. Manufacturers: Bradley; Scranton; List; ASI.

D. Type: Floor mounted overhead braced toilet partitions and wall mounted urinal screens.

E. Type: Floor mounted toilet partitions and wall mounted urinal screens.

F. Finish: To be selected from manufacturer's full range.

G. Installation: Comply with manufacturer recommendations.

END OF SECTION

SECTION 10 28 00 - TOILET AND BATH ACCESSORIES

A. General: Provide toilet and bath accessories as required for complete finished installation.

B. Codes and Regulations: Comply with state and federal requirements for ensuring access for persons with disabilities.

C. Manufacturers: Bobrick; Bradley; American Specialties; manufacturers listed on Toilet and Bath Accessory Schedules.

D. Types: Stainless steel units typical; flush mounted for wall mounted units; grab bars as required by applicable codes and regulations at public toilet rooms; include dwelling unit bathroom fixtures such as towel bars, toilet paper holder, coat hooks.

E. Installation: Comply with manufacturer recommendations and applicable codes and regulations.

END OF SECTION

SECTION 10 44 00 - FIRE EXTINGUISHER CABINETS

A. General: Provide fire extinguisher cabinets with accessories as required for complete installation.

B. Manufacturers: J.L. Industries/Ambassador Series; Larsen/Architectural Series; Potter Roemer/Alta Series.

C. Typical Cabinet Type: Semi-recessed, with trim and with break-glass type secured access doors; design to protrude no more than 4" from wall.

1. Provide fire rated cabinets for installation in fire rated walls.

D. Surface Mount Cabinets: Manufacturer's standard steel cabinets at parking, mechanical, and electrical areas; with break-glass type secured access doors.

E. Fire Extinguishers: Design cabinets to hold minimum 2A-10BC multi-purpose dry chemical type extinguishers typical, 4A60BC at parking, mechanical and electrical areas; extinguishers to be furnished by Owner (NIC).

F. Installation: Comply with manufacturer recommendations.

END OF SECTION

SECTION 12 24 00 – WINDOW SHADES

A. General: Provide manually operated window solar shades with accessories as required for complete operational finished installation (at office and training rooms only – not required at shop spaces).

B. Manufacturer: Mecho Shade Corp./Mecho Shade, Lutron Electronics Manual Shading.

C. Type: Manually operated solar shades complete with hardware and accessories required for complete finished installation; overlap mounted back to back. Controls to be accessible for persons with disabilities.

D. Fabrics: Match Mecho Shade/Thermo Veil Shadecloth Solar Shade, colors and light transmittance as selected by Architect.

E. Installation: Comply with manufacturer recommendations.

END OF SECTION

SECTION 21 00 00 - FIRE SUPPRESSION SYSTEMS DESIGN/BUILD

A. General: Provide residential sprinkler systems with accessories as required for complete operational finished installation.

B. Codes and Regulations: Fire protection systems work shall be designed and built in accordance with California Building Standards Codes applicable regulations.

1. Provide construction documents as required by enforcing agencies.

C. Fire Protection System: Provide complete NFPA13 sprinkler system with concealed piping in finished areas, semi-recessed or flush sprinkler heads in finished areas as indicated or directed, and pendant type sprinkler heads in unfinished areas.

D. Installation: Comply with manufacturer recommendations and with applicable codes and regulations.

1. Install items straight and true to lines and levels; coordinate with adjacent finish materials; maintain space for other work.

END OF SECTION

SECTION 22 00 00 - PLUMBING SYSTEMS DESIGN/BUILD

A. General: Provide plumbing systems with accessories as required for complete operational finished installation ***(see additional information in following sections).***

B. Codes and Regulations: Plumbing work shall be designed and built in accordance with California Building Standards Codes and application regulations.

1. Provide construction documents as required by enforcing agencies.

C. Plumbing System: Provide complete system with copper supply piping, copper and galvanized vents, and compression type waste piping, with valves, controls, and accessories as required for complete installation.

1. Tubs, Water Closets, Bathroom Lavatories: Vitreous china unless otherwise indicated.
2. Sinks: Stainless steel units mounted into countertops or wall-mounted as appropriate for rooms indiacted as indicated. Staff RRs shall have vitreous china wall-mounted sinks.
3. Fixtures: Single arm units, polished chrome unless otherwise indicated.
4. Hot Water Heaters: Provide gas type hot water heaters as required for number of occupants and number of bathrooms indicated as recommended by hot water heater manufacturer; fully insulated energy efficient models.
    a. Provide at least two separate hot water heaters.
5. Shock Absorbers: Provide for plumbing fixtures.

D. Gas Piping System: Provide complete natural gas piping system including galvanized steel piping, valves, and equipment as required for operational installation.

E. Installation: Comply with manufacturer recommendations and with applicable regulations.

1. Install items straight and true to lines and levels; coordinate with adjacent finish materials; maintain space for other work.

END OF SECTION

SECTION 23 00 10 – HEATING AND VENTING SYSTEMS DESIGN/BUILD

A. General: **For shop and storage spaces**, provide heating and venting systems with accessories as required for complete operational finished installation.

B. Codes and Regulations: Heating and venting systems shall be designed and built in accordance with California Building Standards Codes and applicable regulations.

1. Provide construction documents as required by enforcing agencies.

C. Heating System: Provide energy efficient Energy Star rated systems.

1. Forced Air: Provide electric ignition gas fired forced air furnace with metal ducts for hot air supply, return, and venting. Unit shall be hung within space from exposed structure above and provided with acoustical isolators for noise control.
    a. Grilles and Registers: Types as selected.

D. Venting Systems: Provide venting systems for bathrooms and equipment in accordance with applicable codes and regulations.

E. Installation: Comply with manufacturer recommendations and with applicable codes and regulations.

1. Install items straight and true to lines and levels; coordinate with adjacent finish materials; maintain space for other work.

END OF SECTION

SECTION 23 00 20 - HVAC SYSTEMS DESIGN/BUILD

A. General: **For office spaces, training and meeting rooms**, provide heating, ventilating, and air conditioning (HVAC) systems with accessories as required for complete operational finished installation.

B. Codes and Regulations: HVAC systems shall be designed and built in accordance with California Building Standards Codes and applicable regulations.

1. Provide construction documents as required by enforcing agencies.

C. System: Provide complete HVAC system including conditioning, supply, return, and venting.

1. System shall be a split-system with an outside ground-mounted condensing unit and interior fan coils mounted from ceiling above and concealed by ceilings. No rooftop mounted equipment will be acceptable.

D. Venting Systems: Provide venting systems for bathrooms and appliances in accordance with applicable codes and regulations.

E. Installation: Comply with manufacturer recommendations and with applicable codes and regulations.

1. Install items straight and true to lines and levels; coordinate with adjacent finish materials; maintain space for other work.

END OF SECTION

SECTION 26 00 00 - ELECTRICAL SYSTEMS DESIGN/BUILD

A. General: Provide electrical systems with accessories as required for complete operational finished installation.

B. Standards: Comply with California Electrical Code and NFPA 70 - National Electrical Code.

1. Approvals: Electrical devices shall bear UL approval stamp.

C. Codes and Regulations: Electrical systems work shall be designed and built in accordance with California Building Standards Codes and applicable regulations.

1. Provide construction documents as required by enforcing agencies.

D. Electrical System Design: Complete, as required for a totally operational building.

1. Electrical service and distribution.
2. Electric fixtures and lamps.
3. Hard wired products of combustion detection system with battery backups.
4. Telephone system.
5. Cable television system.
6. Emergency alarm system.
7. Incidental work on Drawings, required by codes, and as required for complete system.

E. Components: Provide energy efficient components.

1. Electrical Panels: Factory assembled main distribution panelboards; mount typewritten directory behind plastic inside each panel door. Show circuit number and complete description of items/outlets on each circuit.

2. Wiring: Provide copper wiring (aluminum wiring permitted connection to public service line); minimum 12 TW copper wiring, larger where required by applicable codes.
3. Receptacles: 3-pole grounding type, with ground fault devices as required by code.
4. Cover Plates: As indicated on Drawings, as directed by Architect where not indicated.

F. Lighting Fixtures and Lamps: As indicated in follow sections and as required to comply with applicable energy efficiency requirements while providing sufficient lumens for applications involved and natural spectrum lighting.

G. Products of Combustion System (Smoke Detectors): Comply with applicable code requirements; provide hard wired system with battery backups.

H. Telephone System: Provide for Cat 5 service including DSL to telephone outlets plus additional wiring as required for other systems.

I. Emergency Alarm System: Provide complete security system as approved by Owner including connection to 24-hour emergency service provider.

J. Installation: Comply with manufacturer recommendations and with applicable codes and regulations; test all electrical systems. Install items straight and true to lines and levels; coordinate with adjacent finish materials; maintain space for other work.

END OF SECTION

SECTION 32 17 20 – TACTILE WARNING SURFACES

A. Section Includes: Provide tactile warning surface to ensure tactile warning for persons with visual impairments as required by state and federal requirements.

B. Manufacturers: ADA Solutions; Advantage Tactile Systems.

C. Type: Manufacturer’s standard tactile warning surfaces complying with California and ADA requirements; surface shall differ from adjoining walking surface in resiliency or sound-on-cane contact.

D. Installation: Install square and level, accurately fitted and free from distortion and defects, and with primary surface flush with adjacent surfaces.

END OF SECTION

SECTION 32 31 20 – DECORATIVE METAL FENCES AND GATES

A. General: Provide custom steel fence and manually operated swing gates, with stock manufactured panels, in shapes indicated, with anchors and accessories as required for complete installation.

B. Submittals: Provide plan layout, spacing of components, accessories, and anchorage, manufacturer's literature, and samples of fence components.

C. Custom Steel Fencing: Design may be selected from one manufacturer’s standard design and may require custom fabrication by other suppliers.

1. Fence Panel Manufacturers: Ametco Mfg Corp./Orsogril; Metalco Fencing and Railing Systems.
2. Finish: As selected by Architect from manufacturer’s full range of finishes for exterior applications; hot-dip galvanized not less than G60.

D. Fabrication: Fit and shop assemble in largest practical sections for delivery.

   1. Finish: Hot dip galvanized and prime paint custom steel components in color as directed by Architect.

E. Installation: Install items square and level, accurately fitted and free from distortion and defects.

END OF SECTION

Section 3 – Mechanical Systems Narrative

A. Mechanical System Summary

The design/build team shall provide a complete mechanical design for the project with the basic requirements:

1. Office/Training/Meeting Rooms and Warehouse/Custodial 137– Provide with complete HVAC system including air conditioning. Contractor shall have option of systems, but system shall not include rooftop package units – all condensing units must be ground-mounted and protected from damage by vehicular traffic with bollards or other protective measures.
2. Shop/Storage Spaces – These rooms shall be provided with permanent heating and ventilation systems only. Cooling when required will be provided by portable swamp coolers, which will be provided by the District and not part of the design/build contract. The proposed heating equipment is gas-fired heater/ventilators, which shall be suspended inside of the spaces from the structure above and provided with vibration isolation supports in all instances. The district will review alternate proposals for heating/ventilation at the design/build team's suggestion.
3. Additional Ventilation Requirements – The design/build team shall provide for all additional ventilation requirements for specialized spaces within the project, including, but not limited to:
    a. Paint Room – This room shall be provided with a new paint booth as listed under the equipment section at the end of this spec. The paint booth shall have an integrated exhaust system for which the design/build team must provide ductwork, and HV system shall interconnect with paint booth and provide all required make-up air as required for paint booth exhaust.
    b. Welding – Provide for exhaust for cutting table as listed under the equipment spec.

B. **Applicable Codes** – Mechanical design shall comply with all applicable codes and standards, including:

- a. 2016 California Mechanical Code
- b. ASHRAE Standard 55 – Thermal Comfort
- c. ASHRAE Standard 62.1 – Ventilation
- d. NFPA 90A – Air Conditioning and Ventilating Systems
- e. SMACNA
    1) Guidelines for Seismic Restraints of Mechanical Systems
    2) Standards for Duct Construction

C. **Seismic Design** – Anchoring and seismic design of all mechanical systems shall be performed by a structural engineer licensed by the State of California.

D. **Commissioning** – The project MEP systems shall be commissioned by the 2016 California Energy Code (Title 24, Part 6) and 2016 California Green Building Code (CalGREEN).

Section 4 – Plumbing and Fire Protection Systems Narrative

A. Plumbing System Summary

The design/build team shall provide a complete plumbing design for the project with the basic requirements:

1. Sanitary Sewer System - Provide waste and vent piping systems to serve all plumbing fixtures, floor drains, floor sinks, condensate drainage.
    a. In addition to sinks indicated for restroom spaces, sinks shall be provided for clean-up at each of the shop spaces. Sinks shall be stainless steel shop type with deep basin and provided with both hot and cold water.
    b. Floor drains shall be provided for clean up within the Auto Shop and Welding spaces, and these spaces shall be connected to an oil-water separator prior to connection to the sanitary sewer system. Sanitary sewer design shall follow all typical code requirements as well as EPA and State (including DTSC) requirements.
    c. Provide floor drains in each restroom.
    d. Provide wall cleanouts at each sink.
    e. Provide wall cleanouts/floor cleanouts at each restroom.
2. Storm Drainage System – Primary roof drainage shall be through gutters at the roof and connected to site storm drainage system for on-site retention/filtering as required. All exposed downspouts shall be tube (not sheet metal) for durability purposes.
3. Natural Gas System
    a. Provide a complete natural gas system to serve all on-site uses, including for HV equipment and hot water heating.
    b. Provide a seismic gas valve assembly at the exterior of the building.
    c. Coordinate and establish gas service, gas meter location and pressure requirements with the local utility.
    d. Connect gas piping to each point of use through shut-off valve and dirt leg assembly.
4. Domestic Water Systems
    a. Provide cold and hot water piping to all lavatories, sinks and water heating equipment. Provide cold water piping only to drinking fountains and hose bibbs.
    b. Exterior fire hydrants shall be provided as part of the site work for the project (but not connected to interior domestic water system).
    c. Provide a dedicated hot water supply and return piping system to serve the office and training room spaces within the building. Provide instantaneous hot water systems to serve all sinks within shop areas.

d. Provide an electronic trap priming valve assembly to provide trap priming to each floor drain, floor sink and hub drain.
e. Provide a separate dedication isolation valve to serve each restroom.
f. Provide a hose bibb in each restroom as well as the Auto Shop and Welding spaces.
g. Provide exterior hose bibbs (min. of 4 on each of the west and east elevations of the building).

5. Emergency Shower and Eye/Face Wash
   a. Provide Haws 8356WCC Barrier Free Recessed Shower and Eye/Face Wash or approved equal at the following spaces:
      1) HVAC, Electrical and Plumbing 122
      2) Carpentry 126
      3) Welding 128
      4) Autoshop 130
      5) Paint/Glazing 134
      6) Warehouse/Custodial 137
6. Drinking Fountain and Bottle Filler
   a. Provide Elkay Enhanced EZH2O Bottle Filling Station, & Versatile Bi-Level ADA Cooler, Filtered 8 GPH Stainless, model LZSTL8WSSP or approved equal at the following spaces:
      1) Staff Lounge 124

B. Fire Protection System Summary

The design/build team shall provide a complete automatic fire sprinkler design for the project complying with NFPA 13 and the following basic requirements:

1. Provide system designed for the hazard levels present within the building for the different occupancy types.
2. Provide exterior double detector check valve assembly and exterior post indicator valve assembly.
3. Provide hydraulically calculated wet pipe fire sprinkler system for the entire building, including the submittal of design drawings and calculations to the City of Lodi for approval.
4. Provide floor control valve assembly with inspector's test and drain assembly. Fire sprinkler rain piping shall terminate over a sanitary sewer drain assembly.
5. Provide exterior alarm bell.
6. Provide fire department connections as required per the City of Lodi.

C. Applicable Codes – Plumbing design shall comply with all applicable codes and standards, including:

a. 2016 California Plumbing Code

b. NFPA 13 – Standard for Installation of Sprinkler Systems

Section 5 – Electrical Systems Narrative

A. Electrical System Summary

1. Electrical Utility Service and Switchboards – The design/build team shall design and provide for new main electrical service for the site through Lodi Electrical Utility. Design/build team shall provide electrical design to size the required service and transformer required.
    a. Service shall be 3-phase power, and an exterior pad-mount transformer shall be provided in the size required. Pad-mount transformer shall be separated from vehicular traffic with fencing and bollards.
2. Secondary Distribution
    a. Electrical distribution and primary electrical panel and equipment shall be located in the electrical room shown on the project plans. Electrical power shall be distributed at 277/480V, 3-phase, 4-wire, and 120/208V, 3-phase, 4-wire as follows:
        1) Motor loads ¾ HP and larger: 480V, 3-phase
        2) Lighting – 277V, single-phase
        3) Receptacles and motor loads less than ¾ HP: 120V, single-phase
        4) Special Equipment: As required (see equipment summary)
    b. All other equipment, including disconnect switches, transformers, panelboards and grounding shall be provided per the design/build team's design.
3. Emergency Power System – Provide local battery backup for life safety emergency loads, including egress lighting, exit signs and fire alarm system. An emergency generator or central inverter are not anticipated for this project.
4. Disaggregate Loads – Provide individual panelboards to disaggregate electrical loads as required per California Energy Code and California Electrical Code.
5. Raceways – All wire and cable shall be installed in conduit.
    a. Rigid Steel Conduit – Use at exterior of building and where exposed to damage on interior of building (exposed within 10' of finished floor).
    b. Electrical Metallic Tubing (EMT) – Use for general purpose feeders and branch circuits.
    c. Flexible Steel Conduit – Use in dry locations only, to connect lighting fixtures above ceilings, and connection to equipment where vibration isolation is required.
    d. Rigid Nonmetallic Conduit (Schedule 40 PVC with solvent cemented type fittings) – Use in underground duct banks, below or embedded in slab.
6. Lighting – Lighting System shall include indoor and outdoor fixtures as described below. All fixtures shall be LED and high efficacy.

a. Lighting Controls – All lighting shall be automatically controlled with use of occupancy sensors in interior spaces (passive infrared or combination infrared/ultrasonic type). Manual override switches shall be provided. Outdoor and site lighting fixtures shall be provided with a programmable time clock, with motion sensors at exterior site lighting poles for dimming.
b. Interior Office Lighting – At all interior office spaces with suspended ceilings, provide recessed direct/interior luminaires (Basis of Design – Pinnacle ADEO series – color temperature 3500K, 100 lumens/watt minimum). Maintain 40 foot-candle average illumination at desk height (30" AFF).
c. Interior Restroom Lighting – Provide fully recessed can fixtures, 6" size, LED (Basis of Design – Gotham EVO series – color temperature 3500K). At restrooms with stalls, each stall shall fixture directly above stall for illumination.
d. Interior Shop and Storage Spacing – Provide high-bay LED light fixtures suspended from structure above (Basis of Design – Lithonia IBH). Provide minimum 30 foot-candle average illumination in all storage spaces and 40 foot-candle average at shop spaces including paint, carpentry, welding and automotive spaces.
e. Exterior Building Mounted Lights – Design/build team shall, at their option, provide either overhead or wall-mounted vandal-resistant light fixtures at exterior overhangs/walls of shop spaces – provide at 20' max. o.c.
f. Parking lot lighting – Provide lighting for parking areas – lighting shall be post-mounted on a concrete base extending a min. 30" above finish grade. Fixtures shall be LED and provided with motion-sensing with dimming function. Provide minimum light level of 1 foot-candle.

B. **Fire Alarm System Summary** – Provide a full addressable fire alarm system that shall be fully supervised and include automatically actuated alarms. The system shall also include:
1. Connections to fire sprinkler water flow and tamper switches.
2. Manual pull stations adjacent to main office entry doors.
3. Fire Alarm Control Panel (FACP) and annunciator panel located within main office area.
4. All fire alarm wiring shall be within EMT conduit with red striping at 15' o.c. All fire alarm boxes shall be red in color.

C. Low Voltage System Summary
1. Telecommunications – Provide telecommunication distribution throughout building from a new Main Distribution Frame located within the Data Room as shown in the office area and local IDFs throughout building as required to meet distance requirements to outlet locations. Provide for new telecommunication service from utilities. All equipment shall be housed on racks and on fire-treated plywood backerboards. Category 6 rated cabling shall be distributed

throughout the building with universal jacks for both data and voice over IP (VOIP). Additional cabling shall be distributed to provide wireless access coverage through WAPs (802.11ac standard).

a. Offices – Provide with a minimum of (1) double jack with (2) network ports per room.
b. Conference/Meeting Rooms – Provide with a minimum of (4) network outlets per room (2 double jacks).
c. Workshop Spaces – Provide for (1) double jack with (2) ports on each of the (4) walls in the space. Provide additional double jacks with (2) ports in each separately identified shop office space.
d. All telecom cabling within storage and shop spaces shall be run in conduit with maximum 40% cable fill. Telecom cabling through offices spaces with suspended ceiling shall be run in cable trays.

2. Intrusion Detection – Provide an intrusion detection system to monitor all building entry doors, including both offices and shop and storage spaces, as well as motion sensing coverage of all entry points and hallways. Intrusion detection system shall be fully monitored and provide network connectivity so that district can monitor remotely. Main intrusion detection equipment shall be located within main Data Room.
3. Video Surveillance – Provide a video surveillance system to cover the exterior of the building (to maintain coverage of all doors) as well as coverage of all parking and exterior work areas. System shall provide night vision capabilities and minimum 4K resolution (8MP) and shall store a minimum of 5 days for video. Main surveillance equipment shall be located at the main Data Room within the office, with viewing possible at main reception/admin area.

D. **Applicable Codes & Standards** - Electrical design shall comply with all applicable codes and standards, including:

a. 2016 California Electrical Code
b. NFPA 72 – National Fire Alarm Code
c. UL 464 – Audible Signal Appliances
d. UL 521 – Heat Detectors for Fire Protection Signal Systems

Section 6 – Equipment / FF&E Summary

A. Staff Lounge 124
   1. Provide the following new equipment:
      a. (5) 1.2 Cubic Foot 1000W Commercial Microwaves: Amana RCS10DSE or approved equal.
      b. Ice Machine: Manitowoc UYF-0240W NEO 26" Water Cooled Undercounter Half Size Cube Ice Machine with 90 lb. Bin or approved equal.
      c. Refrigerated Drinking Fountain and Bottle Filler: Elkay EZH2O LZS8WSSP or approved equal.

B. Carpentry 126
   1. Provide the following new equipment:
      a. Table Saw: SawStop ICS51230 -52 5HP Single Phase 230V Industrial Table Saw with 52” Industrial T-Glide Fence with:
         1) Floating Dust Collection Guard TSG-FDC
         2) (2) Standard Brake Cartridges TSBC-10R2
         3) (1) Dado Brake Cartridge TSDC-8R2
      b. Dust Collector: Laguna T Flux 5 Cyclone Dust Collector, 220V 40A
         1) Provide galvanized steel ducting to each workstation in Carpentry 126.
      c. Panel Saw: Milwaukee 6480-20 8-1/4" Panel Saw, 120V, 20A
      d. Band Saw: Laguna 18BX 3HP, 220V, 20A
      e. Planer: Grizzly G1033X 20" 5 HP Spiral Cutterhead Planer, 220V, 30A
   2. Relocate the following equipment from the existing maintenance and operations facility to the new facility:
      a. Magi Junior 640 Radial Arm Saw, 220V, 20A
         1) Provide new, minimum 12’-0” wide radial arm saw station with integrated storage base.
      b. Delta Unisaw Table Saw
      c. Delta Model 15 Drill Press, 110V, 20A
      d. Delta 37-350A DJ 20 Precision 8 Inch 1-1/2 HP Jointer, 240V, single Phase, 20A
      e. Delta 31-483 1/2HP HD Bench Oscillating Spindle Sander, 115V, single phase
      f. Pedestal mounted disc sander, electrical requirements to be determined by Design-Build Entity.
      g. Rockwell Planer, electrical requirements to be determined by Design-Build Entity.
      h. Rockwell 49-463 14” Bandsaw, 120V, 20A

C. Welding 128
   1. Provide the following new equipment:

a. Tennsmith MTS 15016 Folding System, electrical requirements to be determined by Design-Build Entity.
b. Tennsmith LM 104 Shear, electrical requirements to be determined by Design-Build Entity
c. Plasma Table: Northern Plasma NV-1 5’ x 10’ Plasma Table, electrical requirements to be determined by Design-Build Entity

2. Relocate the following equipment from the existing maintenance and operations facility to the new facility:
   a. Ellis Mitre Band Saw 1800, electrical requirements to be determined by Design-Build Entity.
   b. Leland Gifford Machine Tool Company Drill Press, 3 phase 20A. Voltage to be determined by Design-Build Entity.
   c. Grinder, 220v, 20A
   d. Welding Carts
      1) (1) 120v, 20A
      2) (2) 208V, 50A
   e. Portable Welding Hood, 110V, 20A
   f. (2) Pedestal Mount Grinders, 110V, 20A each
   g. Sheet Metal Break, electrical requirements to be determined by Design-Build Entity.
   h. Sheet Metal Shear, electrical requirements to be determined by Design-Build Entity.
3. Auto Shop 130
   a. Relocate the following equipment from the existing maintenance and operations facility to the new facility:
      1) Coats 850 Solid State Wheel Balancer, electrical requirements to be determined by Design-Build Entity.
      2) FMC 7600 Tire Changer, electrical requirements to be determined by Design-Build Entity.
      3) (4) Portable Welder Carts
      4) Portable TIG Welder Cart, 50A, 220V
      5) (5) Flammable Material Cabinets
      6) Portable Plasma Cutter, 50A, 220V
4. Paint/Glazing 134
   a. Provide the following new equipment:
      1) Spray Booth: Standard Tools and Equipment 18’-0” Open Face Spray Booth. Provide ETL-listed NEMA Control Panel, white power coated finish, and additional light fixture options.

2) 1 Gallon Paint Shaker: Pacer 15 Industrial Paint Shaker with Safety Cover or approved equal.
3) 5 Gallon Paint Shaker: Miracle M-5 Blue Boy 5 Gallon Paint Shaker with Safety Enclosure.

5. Overhead Electrical Cord Reels: provide 20A Swing Mount Harsh Environment Automatic-Wind Cord Reels, McMaster-Carr 7608K12 or approved equal in the following locations in the indicated quantity. Coordinate final locations with Owner.
   a. HVAC, Electrical and Plumbing 122: (3)
   b. Filter Storage 123: (2)
   c. Carpentry 126: (6)
   d. Welding 128: (2)
   e. Mower Storage 129: (3)
   f. Autoshop 130: (4)
   g. Paint/Glazing 134: (1)
   h. Pull Barn/Equipment Storage 136: (2)
   i. Warehouse/Custodial 137: (2)
6. Overhead Air Hose Reels: provide Enclosed Reel with Lightweight Airhose with EPDM Rubber Hose ½" ID , McMaster-Carr 5216K48 (50'-0" hose)/5216K47 (25'-0" hose) or approved equal in the following locations in the indicated quantity. Coordinate final locations with Owner.
   a. HVAC, Electrical and Plumbing 122: (2) 25'-0" hose
   b. Filter Storage 123: (1) 25'-0" hose
   c. Carpentry 126: (3) 25'-0" hose
   d. Welding 128: (2) 25'-0" hose
   e. Mower Storage 129: (2) 50'-0" hose
   f. Paint/Glazing 134: (1) 25'-0" hose
   g. Pull Barn/Equipment Storage 136: (1) 50'-0" hose
   h. Warehouse/Custodial 137: (2) 25'-0" hose
7. Flammable Safety Cabinets
   a. Provide Eagle 45 Gallon Two Door Self Closing Safety Cabinets, model 4510LEGS or approved equal in the following locations in the indicated quantity:
      1) HVAC, Electrical and Plumbing: (2)
      2) Carpentry 126: (1)
      3) Welding 128: (1)
      4) Mower Storage 129: (3)
      5) Autoshop 130: (5)
      6) Paint/Glazing 134: (1)

7) Pull Barn/Equipment Storage 136: (1)
8) Warehouse/Custodial 137: (3)

b. Provide Eagle 24 Gallon Two Door Self Closing Wall Mounted Safety Cabinets, model 1975 or approved equal in the following locations in the indicated quantity:
1) Locksmith 127: (1)

8. Paint and Ink Safety Cabinets: Provide Eagle 60 Gallon Two Door Self Closing Paint and Ink Safety Cabinet, model PI-4510 or approved equal in the following locations in the indicated quantity:
1) Paint/Glazing 134: (1)

9. Miscellaneous Equipment
a. Secure Key Storage and Management: Provide (1) Capturetech KeyConductor 108P, location to be determined. Relocate (1) existing Caputretech KeyConductor 108P to a location in the new building to be determined. Provide power and data as required for fully functioning systems.
b. Cell Service Signal Booster: Provide (2) WilsonPro 70 Plus Commercial Building Signal Booster Systems, model 463327 or approved equal. Locations for optimal coverage to be determined by Design-Build team. Design-Build team to coordinate with District's mobile service provider.
c. Vehicular Gate Operator: Provide LiftMaster CSL24U operator with monitored wireless edge system or approved equal at vehicular gates.
d. Air Compressor: Provide Ingersoll Rand Two-Stage Electric Driven Reciprocating Air Compressor, 20 hp, model 15TE20, or approved equal.

Lodi Unified School District
PRE-SUBMITTAL CONFERENCE SIGN IN
New Maintenance and Operations Building
RFQ/P for Design Build Services
Tuesday, September 18, 2018
2:00 PM

Company Name & Representative	Company Street Address	Phone #	E-Mail
Landmark Construction Marco Dal Porto	5948 King Rd. Loomis, CA	916-663-1953	Frontdesk@landmarkconst.net
CARTER-KELLY, Inc. GREG WITHERAW	171 MIDDLETOWN RD. PLACERVILLE, CA 95667	530-621-0956 916-825-4492	gregw@carterkelly.com
PBK GARY V. GERY	2520 VENTURE OAKS WY #440 SACRAMENTO, CA 95833	209-988-6942 916-682-9494	gary.gery@pbk.com
OTTO CONSTRUCTION Brian Terra	1717 2nd STREET SACRAMENTO CA. 95811	916-919-6983 916-464-6870	bterra@OTTOCONSTRUCTION.com
F&H CONSTRUCTION STEPHEN SEIBLY	1115 E. LOCKEFORD ST. LODI, CA 95240	209-931-3738	estimating@f-hconst.com
JK Architecture Engineering Anda Grentell	11661 Blocker Dr. STE 220 Auburn, CA 95603	530.888.0998	anda@jkaedesign.com
COACT DESIGNWORKS JOSEPH SERAR	801 T STREET SACRAMENTO CA 95811	916.930.5900	JOSEPH@COACTDESIGNWORKS.com
LDA PARTNERS	222 CAPITAL CT STOCKTON, CA 95204	209 943 0405	EWEHLE@LDAPARTNERS.COM
Peggy Grillo	Diede CONSTRUCTION	209 371 8884	pgrillo@diedeconstruction.com
Steve Miller	L.U.S.D	(209) 712-6248	smiller@lodi.usd.net
Chris Brown	LUSD	209 810-3961	chbrown@lodi.usd.net
KATIE MADZIER FAP	LUSD	(209) 331-7225	KMADZIER@LODI.USD.NET
JOE PATTY M&O	LUSD	(209)712-6363	JPATTY@LODIUSD.NET
MITCH SLATER M&O	LUSD	(209)331-7183	MSLATER@LODIUSD.NET