Peralta Community College District

Project Manual for:

Bid No. 14-15/35

Laney College Reroofing Project

Located at:
Laney College 900 Fallon Street, Oakland, CA 94607
March 12, 2015

Peralta Community College District
Department of General Services
Brian Adair, Facilities Project Manager
(510) 466-7269

Bid No.: 14-15/35
Advertisement Dates: 5/12/15 & 5/19/15
Bid Date: 5/29/15
# LANEY COLLEGE REROOFING PROJECT

**DOCUMENT 00 0110**

## TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Division</th>
<th>Section</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td><strong>INTRODUCTORY INFORMATION</strong></td>
</tr>
<tr>
<td></td>
<td>00 01 01</td>
<td>Title Page</td>
</tr>
<tr>
<td></td>
<td>00 01 10</td>
<td>Table of Contents</td>
</tr>
<tr>
<td></td>
<td>00 01 15</td>
<td>Drawing List</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>BIDDING REQUIREMENTS</strong></td>
</tr>
<tr>
<td></td>
<td>00 11 13</td>
<td>Notice Inviting Bids</td>
</tr>
<tr>
<td></td>
<td>00 21 13</td>
<td>Instructions to Bidders</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>BID FORMS AND BID SUBMITTALS</strong></td>
</tr>
<tr>
<td></td>
<td>00 41 13</td>
<td>Bid Form</td>
</tr>
<tr>
<td></td>
<td>00 43 13</td>
<td>Bond Accompanying Bid</td>
</tr>
<tr>
<td></td>
<td>00 43 14</td>
<td>Bidder Registration Form</td>
</tr>
<tr>
<td></td>
<td>00 43 30</td>
<td>Subcontractors List</td>
</tr>
<tr>
<td></td>
<td>00 45 13</td>
<td>Statement of Qualifications</td>
</tr>
<tr>
<td></td>
<td>00 45 19</td>
<td>Non-Collusion Affidavit</td>
</tr>
<tr>
<td></td>
<td>00 45 30</td>
<td>Roofing Financial Certification</td>
</tr>
<tr>
<td></td>
<td>00 45 46</td>
<td>Bidder Certifications</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>CONTRACT FORMS</strong></td>
</tr>
<tr>
<td></td>
<td>00 51 00</td>
<td>Notice of Award</td>
</tr>
<tr>
<td></td>
<td>00 52 00</td>
<td>Agreement</td>
</tr>
<tr>
<td></td>
<td>00 61 13.13</td>
<td>Construction Performance Bond</td>
</tr>
<tr>
<td></td>
<td>00 61 13.16</td>
<td>Construction Labor and Material Payment Bond</td>
</tr>
<tr>
<td></td>
<td>00 62 90</td>
<td>Escrow Agreement for Security Deposits in Lieu of Retention</td>
</tr>
<tr>
<td></td>
<td>00 63 25</td>
<td>Substitution Request Form</td>
</tr>
<tr>
<td></td>
<td>00 65 00</td>
<td>Release of Claims</td>
</tr>
<tr>
<td></td>
<td>00 65 36</td>
<td>Guaranty</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>CONDITIONS OF THE CONTRACT</strong></td>
</tr>
<tr>
<td></td>
<td>00 72 00</td>
<td>General Conditions</td>
</tr>
<tr>
<td></td>
<td>00 73 00</td>
<td>Labor Compliance Program</td>
</tr>
<tr>
<td></td>
<td>00 7316</td>
<td>Supplementary Conditions</td>
</tr>
<tr>
<td></td>
<td>00 73 39</td>
<td>Small Local Business Enterprise</td>
</tr>
<tr>
<td></td>
<td>00 73 80</td>
<td>Apprenticeship Program</td>
</tr>
<tr>
<td></td>
<td>00 82 50</td>
<td>Project Labor Agreement</td>
</tr>
<tr>
<td></td>
<td>00 82 51</td>
<td>PLA Document</td>
</tr>
<tr>
<td></td>
<td>00 82 55</td>
<td>PLA Side Letter</td>
</tr>
<tr>
<td></td>
<td>00 91 13</td>
<td>Addenda</td>
</tr>
</tbody>
</table>

Table of Contents

Laney College Reroofing Project
DIVISION 01 - GENERAL REQUIREMENTS

01 11 00 Summary of the Work
01 20 00 Measurement and Payment
01 26 00 Modification Procedures
01 31 19 Project Meetings
01 32 30 Progress Schedules and Submittals
01 33 00 Submittals
01 41 00 Regulatory Requirements
01 42 00 References and Definitions
01 50 00 Temp Facilities and Controls
01 77 00 Commissioning and Contract Closeout
01 81 13 Environmentally Sustainable Procurement Construction

TECHNICAL SPECIFICATIONS – CHILD CARE BUILDING

02 24 00 Scope of Work
024119.13 Selective Demolition
02 83 00 Lead Remediation
055133.13 Vertical Metal Ladders
06 10 00 Rough Carpentry
07 15 00 Sheet Metal Waterproofing
07 51 00 Built-Up Bituminous Roofing
09 91 13 Exterior Painting

TECHNICAL SPECIFICATIONS – FORUM BUILDING

02 24 00 Scope of Work
024119.13 Selective Demolition
02 83 00 Lead Remediation
07 15 00 Sheet Metal Waterproofing
07 54 00 Thermoplastic Membrane Roofing
09 91 13 Exterior Painting
22 14 26.13 Roof Drainage

Hazardous Materials Report

END OF DOCUMENT
LANEY COLLEGE REROOFING PROJECT

DOCUMENT 00 01 15

LIST OF DRAWINGS

Drawings – CHILD CARE BUILDING

   Roof Plan Drawing
   1. Gutter & Edge Detail
   2. Rake Edge – Raised Edge
   3. Plumbing Vent
   4. Outside Edge Flashing Detail
   5. Plumbing Vent Alternative
   6. Curb Flashing
   7. Round Penetration
   8. Angle Iron Flashing
   9. Gravity Vents
  10. Duct Flashing

Drawings – FORUM BUILDING

   Roof Plan Drawing
   Roof Slopes
   1. Parapet Cap and Base Flashing
   2. Overflow Drainage Scupper
   3. Drain Insert with Sump
   4. Pipe or Stand Penetration
   5. Plumbing Vent
   6. Supports for Horizontal Pipes & Conduits

END OF DOCUMENT
NOTICE INVITING BIDS

1.01 Notice Inviting Bids: Owner will receive sealed Bids at Peralta Community College District, Purchasing Department, 501 5th Avenue, Oakland, CA 94606 until 11 a.m. on May 29, 2015 for the following public work:

Peralta Community College District
Laney College
900 Fallon Street, Oakland, CA 94607

1.02 Project Description: Reroofing of two separate buildings. The Forum Building with Thermoplastic Membrane roofing and the Child Care Building with Bituminous roofing, in accordance with the Construction Documents prepared by Skyline Engineering.

The Laney College Reroofing Project shall be Substantially Completed within 21 Calendar days and Final Completion with 30 days from the date when Contract Time commences to run.

Procurement of Bidding Documents: Bidding Documents contain the full description of the Work. Bidders may obtain Bidding Documents from

Department of General Services
Plan Room
Peralta Community College District
333 East 8th Street, Oakland, CA 94606

A copy of Contract Documents may be obtained online through the Peralta Website.

Website: www.peralta.edu
Under “Quick Links”, click “Business Opportunities” to download the bid packet

The following plan room services have received sets of Bidding Documents for the Work contemplated herein:

Builders Exchange of Alameda
3055 Alvarado Street
San Leandro, CA 94577
Tel. 510-483-8880 Fax 510-352-1509
Email: planroom@bayareabx.com

1.03 Bid shall be received at 501 5th Avenue. For information pertaining to the Bidding Documents, please contact John Hiebert, District Buyer.

a. Bid shall be received and reviewed at:

Peralta Community College District
Purchasing Department
Attn: John Hiebert
501 5th Avenue
Oakland, CA 94606
(510) 466-7217
1.04 **Instructions:** Bidders shall refer to Document 00 2000 Instructions to Bidders for required documents and items to be submitted in a sealed envelope, at 501 5th Avenue no later than the time and date set forth in Paragraph 1 above.

1.05 **Mandatory Pre-Bid Site Visit:** PCCDD will conduct a Mandatory Pre-Bid Conference and Site Visit at 9:00 AM on May 19, 2015 in the conference room at the Department of General Services, 333 East 8th Street, Oakland, CA 94606. The Pre-Bid Conference and Site Visit will last approximately two hours.

1.06 **Bid Preparation Cost:** Bidders are solely responsible for the cost of preparing their Bids.

1.07 **Reservation of Rights:** Owner specifically reserves the right, in its sole discretion, to reject any or all Bids, to re-bid, or to waive inconsequential defects in bidding not involving time, price or quality of the work. Owner may reject any and all Bids and waive any minor irregularities in the Bids. **Owner may choose to award bid to more than one bidder.**

**ARTICLE 2 – LEGAL REQUIREMENTS**

2.01 **Required Contractor’s License(s):** A California “C-39” contractor’s license is required to bid this contract. Joint ventures must secure a joint venture license prior to award of this contract.

2.02 **SB 854 now requires any contractor or subcontractor bidding on a public works project to register with the Department of Industrial Relations (“DIR”).**

2.03 **Substitution of Securities:** Owner will permit the successful bidder to substitute securities for any retention monies withheld to ensure performance of the contract, as set forth in Document 00 6290 Escrow Agreement For Security Deposits In Lieu Of Retention and incorporated herein in full by this reference, in accordance with Section 22300 of the California Public Contract Code.

2.04 **Prevailing Wage Laws:** The successful Bidder must comply with all prevailing wage laws applicable to the Project, and related requirements contained in the Contract Documents. Copies of the general prevailing rates of per diem wages for each craft, classification, or type of worker needed to execute the Contract, as determined by Director of the State of California Department of Industrial Relations.

2.05 **Project Labor Agreement:** The Peralta Community College District has entered into a Project Labor Agreement (PLA) for all its Public Works construction projects, which requires that the successful General Contractor, and its field Subcontractors to sign the applicable Letter of Assent (LOA). The complete text including the terms and conditions, and the LOA, are included in the bid package for review by all Contractors bidding on this project. Contractors contemplating bidding on this project are strongly encouraged to review the complete PLA documents, but should at minimum be aware of the following:

No work stoppages, strikes, sympathy strikes, slowdowns or lockouts are allowed during the execution of the work. There are provisions for alternative dispute resolution, depending on affected crafts. Based on a formula and certain basic requirements, a Contractor may use up to five (5) “core” workers, but all workers must be dispatched through the applicable union halls. There are goals for the utilization of local workers, utilizing the normal hiring hall procedures for dispatch. A Contractor is not required to become signatory to a union to work on a project covered by the PLA, but is required to sign a Letter of Assent (LOA) agreeing to work under the terms of the PLA, on a project by project basis. Workers are not required to join a union but must be dispatched through a union hiring hall and must pay union initiation fees and dues when working on a project covered by the PLA.

**END OF DOCUMENT**

Notice Inviting Bids
Laney College Reroofing Project
LANEY COLLEGE REROOFING PROJECT

DOCUMENT 00 21 13

INSTRUCTIONS TO BIDDERS

Bids are requested by Owner, for a general construction contract, or work described in general, as set forth in Document 00 1113 (Notice Inviting Bids), and the following additional terms.

ARTICLE 1 - PROCEDURES FOR SUBMISSION OF BIDS

1.01 Required Pre-Bid Conference and Site Visit
   A. Owner will conduct Pre-Bid Conference and Site Visit at the date, time and location indicated in Document 00 1113 (Notice Inviting Bids), to consider such matters as Bidders may request and perform a Site Visit immediately following, at the Site. Bidders must attend Pre-Bid Conference and Site Visit and sign an attendance roster as a condition to bidding.
   B. The Site Visit may be the Bidders’ only opportunity to investigate conditions at the Site. Other Pre-Bid Site Visits may be scheduled at Owner’s sole discretion, depending on staff availability.

1.02 Required Pre-Bid Investigations
   A. Prior to submission of Bid, Bidder must conduct a careful examination of Bidding Documents and understand the nature, extent, and location of Work to be performed. Refer to Document 00 7200 (General Conditions) on required pre-bid investigations.
   B. Bidders may examine any available existing conditions information (e.g., record documents, specifications, studies, drawings of previous work), as well as applicable environmental assessment information (if any) regarding the Project, at the District plan room, 333 East 8th Street. Contact Brian Adair, (510) 466-7269 (badair@peralta.edu) to schedule an appointment.

1.03 Bidder Questions and Answers
   A. Bidders must direct all questions about the meaning or intent of Bidding Documents to Owner in writing, via email to John Hiebert (jhieber@peralta.edu). Interpretations or clarifications considered necessary by Owner in response to such questions will be issued by written Addenda mailed, faxed, or delivered to all parties recorded by Owner as having received Bidding Documents. Owner may not answer questions received less than ten Days prior to the date for opening Bids.
   B. Only questions answered by formal written Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect, and Bidders shall not rely on oral statements.

1.04 Addenda
   A. Addenda may also be issued to modify the Bidding Documents as deemed advisable by Owner. Addenda shall be acknowledged by number in Document 00 4113 (Bid Form) and shall be part of the Contract Documents. A complete listing of Addenda may be secured from Owner.

ARTICLE 2 - RECEIPT OF BIDS:

2.01 Date and Time
   A. Sealed Bids will be received by the Owner until the date and time indicated in Document 00 1113 (Notice Inviting Bids). All Bid envelopes will be time-stamped to reflect their submittal time. Owner shall reject all Bids received after the specified time and will return such Bids to Bidders unopened. Bidders must submit Bids in accordance with this Document 00 2113.
2.02 Bid Submission:
A. Owner will receive Bids in opaque sealed 10 inch x 13 inch envelopes, containing the required items described herein.
B. Bidders should mark their Bid envelopes using the name, address, identifying information and contract number, indicated in Document 00 1113 (Notice Inviting Bids).

2.03 Required Contents of “Envelope” – Bid Submittals”
A. Document 00 4113 (Bid Form). Bidders must submit Bids on Document 00 4113 (Bid Form) in accordance with the provisions of Document 00 4113. Bidders must complete all Bid items and supply all information required by Bid documents and specifications.
B. Document 00 4313 (Bond Accompanying Bid). Bidders must submit Document 00 4313 (Bond Accompanying Bid) accompanied by a cashier’s check, certified check (certified without qualification and drawn on a solvent bank of the State of California or a National Bank doing business in the State of California) or completed form of Document 00 4313 of not less than 10% of the base Bid, payable to Owner and completed in accordance with the provisions of Document 00 4313.
C. Document 00 4314 (Bidder Registration Form). Bidders must submit Document 00 4314 (Bidder Registration and Experience Form), completed in accordance with the provisions of Document 00 4314.
D. Document 00 4330 (Subcontractor List). Bidders must submit Document 00 4330 (Subcontractors List) completed in accordance with the provisions of Document 00 4330. The Subcontractors List must include the names of all subcontractors for those subcontractors who will perform any portion of work, including labor, rendering of service, or specially fabricating and installing a portion of the work or improvement according to detailed drawings contained in the plans and specifications, in excess of one half of one percent (0.5%) of the total Bid amount. Any violation of this requirement may result in a Bid being deemed non-responsive and not being considered.
E. Document 00 4513 (Statement of Qualifications). Bidders shall complete the entire Statement of Qualification Questionnaire and submit it in accordance with Document 00 2000 (Instructions to Bidders) and Document 00 4513 (Statement of Qualifications). Failure to complete the questionnaire or inclusion of any false statement(s) shall be ground for immediate disqualification.
F. Document 00 4519 (Non-Collusion Affidavit). Bidders must submit Document 00 4519 (Non-Collusion Affidavit) completed in accordance with the provisions of Document 00 4519.
G. Document 00 4546 (Bidder Certifications). Bidders must submit Document 00 4546 (Bidder Certification) completed in accordance with the provisions of Document 00 4546.
H. Document 00 4530 (Roofing Financial Certification) Bidders must submit Document 00 4530 (Roofing Financial Certification) completed in accordance with the provisions of Document 00 4530.

ARTICLE 3 - BID OPENING AND EVALUATION
3.01 Determination of Apparent Low Bidder
A. Owner will open each Bidders’ Envelope at the time and place indicated in Document 00 1113 (Notice Inviting Bids), initially evaluate them for responsiveness, and determine an Apparent Low Bidder as specified herein.
B. Apparent Low Bid will be determined solely on the total amount of all Bid items based on terms contained in Document 00 1113 (Notice Inviting Bids) and Document 00 4113 (Bid Form). All Bidders are required to submit Bids on all Bid items (including any alternates).
C. If Apparent Low Bidder is determined to be non-responsive or non-responsible, then Owner may proceed to the next Apparent Low Bidder’s Bid pursuant to any procedures determined in its reasonable discretion, and proceed for all purposes as if this Apparent Low Bidder were the original Apparent Low Bidder.

3.02 Evaluation of Bids

A. Bids must be full, complete, clearly written and using the required forms. Bidders shall make any change in the Bid by crossing out the original entry, entering and initialing the new entry. Bidder’s failure to submit all required documents strictly as required entitles Owner to reject the Bid as non-responsive. All Bidders must submit Bids containing each of the fully executed documents supplied in this Project Manual.

B. In evaluating Bids, Owner will consider Bidders’ qualifications, whether or not the Bids comply with the prescribed requirements, unit prices, and other data, as may be requested in Document 00 4113 (Bid Form) or prior to the Notice of Award.

C. Owner may conduct reasonable investigations and reference checks of Bidder and other persons and organizations as Owner deems necessary to assist in the evaluation of any Bid and to establish Bidder’s responsibility, qualifications, financial ability and ability to perform the Work in accordance with the Contract Documents to Owner’s satisfaction within the prescribed time. Submission of a Bid constitutes Bidder’s consent to the foregoing.

D. Owner shall have the right to consider information provided by sources other than Bidder. Owner shall also have the right to communicate directly with Bidder’s surety regarding Bidder’s bonds.

E. Discrepancies between the multiplication of units of Work and unit prices will be resolved in favor of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum. Discrepancies between written words and figures will be resolved in favor of the words.

F. Bids shall be deemed to include the written responses of the Bidder to any questions or requests for information of Owner made as part of Bid evaluation process after submission of Bid.

3.03 Reservation of Rights

A. Owner reserves the right to reject any or all nonconforming, non-responsive, unbalanced, or conditional Bids, and to reject the Bid of any Bidder as non-responsive as a result of any error or omission in the Bid, or if Owner believes that it would not be in the best interest of Project to make an award to that Bidder, whether because the Bid is not responsive or the Bidder is unqualified or of doubtful financial ability or fails to meet any other pertinent standard or criteria established by Owner. For purposes of this paragraph, an “unbalanced Bid” is one having nominal prices for some Bid items and enhanced prices for other Bid items.

B. Owner may retain Bid securities and Bid bonds of other than the Apparent Low Bidder for a period of 90 Days after award or full execution of the Contract, whichever first occurs.

C. Owner may reject any or all Bids and waive any informalities or minor irregularities in the Bids. Owner also reserves the right, in its discretion, to reject any or all Bids and to re-Bid the Project.

D. **Owner reserves the right to award the bid to more than one bidder.**

ARTICLE 4 - MANDATORY BID PROTEST PROCEDURES:

4.01 Submission of Written Bid Protest

A. Any Bid protest in connection with the construction contract or work described in general in Document 00 1113 (Notice Inviting Bids) must be submitted in writing to Purchasing Department address listed below, before 2:00 P.M. of the fifth Business Day following opening of the Bidders’ envelopes.
ARTICLE 4 - BID PROTEST PROCEDURE

B. The initial protest document must contain a complete statement of the basis for the protest.
C. The protest must refer to the specific portion of the document that forms the basis for the protest.
D. The protest must include the name, address, and telephone number of the person representing the protesting party.
E. Only Bidders who the Owner otherwise determines are responsive and responsible are eligible to protest a Bid; protests from any other Bidder will not be considered. In order to determine whether a protesting Bidder is responsive and responsible, Owner may evaluate all information contained in any protesting Bidder’s Bid, and conduct the same investigation and evaluation as Owner is entitled to take regarding an Apparent Low Bidder.
F. The party filing the protest must concurrently transmit a copy of the initial protest document and any attached documentation to all other parties with a direct financial interest that may be adversely affected by the outcome of the protest. Such parties shall include all other Bidders who appear to have a reasonable prospect of receiving an award depending upon the outcome of the protest.

4.02 Exclusive Remedy

A. The procedure and time limits set forth in this paragraph are mandatory and are Bidder’s sole and exclusive remedy in the event of Bid protest. Bidder’s failure to comply with these procedures shall constitute a waiver of any right to further pursue the Bid protest, including filing a Government Code Claim or legal proceedings. A Bidder may not rely on a protest submitted by another Bidder, but must timely pursue its own protest.

ARTICLE 5 - AWARD AND EXECUTION OF CONTRACT

5.01 Notice of Award and Submittal of Executed Contract Documents

A. If Contract is to be awarded, it will be awarded to the lowest responsible responsive Bidder. Owner will issue Document 00 5100 Notice of Award. Such Award, if made, will be made within sixty (60) days after the opening of the Bid Proposals.
B. Successful Bidder must execute and submit to Owner the “Required Contract Documents and Proof of Insurance” set forth below, by 5:00 p.m. of the 20th Day following the Notice of Award.

5.02 Required Contract Documents and Proof of Insurance

A. Document 00 5200 (Agreement), fully executed by successful Bidder. Submit four originals, each bearing an original signature and initials on each page.
B. Document 00 6113.13 (Construction Performance Bond), fully executed by successful Bidder and surety, in the amount set forth in Document 00 6113.13. Submit three originals.
C. Document 00 6113.16 (Construction Labor and Material Payment Bond), fully executed by successful Bidder and surety, in the amount set forth in Document 00 6113.16. Submit three originals.
D. Document 00 6536 (Guaranty), fully executed by successful Bidder.
E. Insurance certificates and endorsements required by Document 00 7316 (Supplementary Conditions—Insurance): Submit one original set.
5.03  **Failure to Execute and Deliver Documents:**

A. If Bidder to whom Contract is awarded, within the period described in this Document 00 2113, fails or neglects to execute and deliver all required Contract Documents and file all required bonds, insurance certificates, and other documents, Owner may, in its sole discretion, rescind the award, recover on Bidder’s surety bond, or deposit Bidder’s cashier’s check or certified check for collection, and retain the proceeds thereof as liquidated damages for Bidder’s failure to enter into the Contract Documents. Bidder agrees that calculating the damages Owner may suffer as a result of Bidder’s failure to execute and deliver all required Contract Documents would be extremely difficult and impractical and that the amount of Bidder’s required Bid security shall be the agreed and presumed amount of Owner’s damages.

B. Upon such failure to timely deliver all required Contract Documents as set forth herein, Owner may determine the next Apparent Low Bidder and proceed accordingly. Such Award, if made, will be made within sixty (60) days after the opening of the Bid Proposals.

**ARTICLE 6 - GENERAL CONDITIONS AND REQUIREMENTS**

6.01  **Modification of Commencement of Work:**

A. Owner expressly reserves the right to modify the date for the Commencement of Work under the Contract and to independently perform and complete work related to Project. Owner accepts no responsibility to Contractor for any delays attributed to its need to complete independent work at the Site.

B. Owner shall have the right to communicate directly with Apparent Low Bidder’s proposed performance bond surety, to confirm the performance bond. Owner may elect to extend the time to receive faithful performance and labor and material payment bonds.

6.02  **Conformed Project Manual:**

A. Following Award of Contract, Owner may prepare a conformed Project Manual reflecting Addenda issued during bidding, which will, failing objection, constitute the approved Project Manual.

6.03  **Payment Bond:**

A. If the Project described in Document 00 1113 (Notice Inviting Bids) involves an expenditure in excess of twenty-five thousand dollars ($25,000), the successful Bidder must file a payment bond with and approved by Owner prior to entering upon the performance of the Work, in accordance with Civil Code § 3247.

6.04  **Wage Rates:**

A. Copies of the general prevailing rates of per diem wages for each craft, classification, or type of worker needed to execute the Contract, as determined by Director of the State of California Department of Industrial Relations.

6.05  **Withdrawal of Bids:**

A. Bidders may withdraw their Bids at any time prior to the Bid opening time fixed in this Document 00 2113, only by written request for the withdrawal of Bid filed with Owner at Purchasing Department address listed below Bidder or its duly authorized representative shall execute request to withdraw Bid.

Peralta Community College District  
Purchasing Department  
Attn: John Hiebert  
501 5th Avenue  
Oakland, CA 94606  
(510) 466-7217
6.06 Ineligible Contractors and Subcontractors:

A. Owner shall not accept a Bid from a Bidder who is ineligible to bid or work on, or be awarded, a public works project pursuant to California Labor Code section 1777.1 or 1777.7. Bidders and the Contractor who is awarded the project contract shall not utilize, or allow work by, any subcontractor who is ineligible to bid or work on, or be awarded, a public works project pursuant to California Labor Code Section 1777.1 or 1777.7. (See California Public Contract Code Section 6109.) The California Division of Labor Standards Enforcement publishes a list of debarred contractors and subcontractors on the Internet at www.dir.ca.gov/DLSE/debar.html.

B. Contractors and Subcontractors not registered with the Department of Industrial Relations, as required by SB 854.

http://www.dir.ca.gov/Public-Works/PublicWorksContractorsAndSubcontractors.html

6.07 Substitutions:

A. Bidders must base their Bids on products and systems specified in Contract Documents or listed by name in Addenda. Owner will consider substitution requests only for “or equal items.” Bidders wanting to use “or equal” item(s) may submit Document 00 6325 (Substitution Request Form) no later than 35 Days after Notice of Award. As a limitation on Bidder’s privilege to request substitution of “or equal” items, Owner has found that certain items are designated as Owner standards and certain items are designated to match existing items in use on a particular public improvement either completed or in the course of completion or are available from one source. As to such items, Owner will not permit substitution. Such items are described in the Bidding Documents.

6.08 Definitions:

A. All abbreviations and definitions of terms used in this Document 00 2113 are set forth in Document 00 7200 (General Conditions) and Section 01 4200 (References and Definitions).
LANEY COLLEGE REROOFING PROJECT

DOCUMENT 00 4113

BID FORM

TO THE BOARD OF TRUSTEES OF THE PERALTA COMMUNITY COLLEGE DISTRICT

THIS BID IS SUBMITTED BY:

____________________________________________________________________________________

(Firm/Company Name)

Re: Laney College Reroofing Project, 900 Fallon Street, Oakland, CA 94607, Bid No. 14-15/35

1. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an agreement with THE PERALTA COMMUNITY COLLEGE DISTRICT in the form included in the Contract Documents, Document 00 5200 (Agreement), to perform and furnish all Work as specified or indicated in the Contract Documents for the Contract Sum and within the Contract Time indicated in this Bid and in accordance with all other terms and conditions of the Contract Documents.

2. Bidder accepts all of the terms and conditions of the Contract Documents, Document 00 1113 (Notice Inviting Bids), and Document 00 2113 (Instructions to Bidders), including, without limitation, those dealing with the disposition of Bid Security. This Bid will remain subject to acceptance for 60 Days after the day of Bid opening, unless there is a bid protest, then 90 days after the day of bid opening.

3. In submitting this Bid, Bidder represents that Bidder has examined all of the Contract Documents, performed all necessary Pre-Bid investigations, received the Pre-Bid conference minutes (if any), and received the following Addenda:

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<thead>
<tr>
<th>Addendum Number</th>
<th>ADDENDUM DATE</th>
<th>Signature of Bidder</th>
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4. Based on the foregoing, Bidder proposes and agrees to fully perform the Work within the time stated and in strict accordance with the Contract Documents for the following sums of money listed in the following Schedule of Bid Prices:
**BID PRICE**

Bid items are described in Section 01 1100 (Summary of Work).

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>ESTIMATED QUANTITY</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
<th>TOTAL</th>
</tr>
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<tbody>
<tr>
<td>1.</td>
<td>All Work of Contract Documents for the <strong>Child Care Building</strong></td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>$</td>
</tr>
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<td>2.</td>
<td>All Work of Contract Documents for the <strong>Forum Building</strong></td>
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<tr>
<td>3.</td>
<td><strong>Additive Alternate #1</strong> Repair of substrate on <strong>Child Care Building</strong></td>
<td>-----</td>
<td>Square Ft.</td>
<td>$</td>
<td>$</td>
</tr>
<tr>
<td>4.</td>
<td><strong>Additive Alternate #2</strong> Repair of substrate on <strong>Forum Building</strong></td>
<td>-----</td>
<td>Linear Ft.</td>
<td>$</td>
<td>$</td>
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<td>5.</td>
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<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>TOTAL BID PRICE</strong></td>
<td>$</td>
</tr>
</tbody>
</table>

Total Bid Price:

_______________________________________________________________________________
(Total Bid Price in Words)

5. Subcontractors for work included in all Bid items are listed on Document 00 4330 (Subcontractors List) submitted herewith.

6. The undersigned Bidder understands that Owner reserves the right to reject this Bid.

7. The undersigned Bidder understands that Owner reserves the right to **award the bid to multiple bidders**.

8. If written notice of the acceptance of this Bid, hereinafter referred to as Notice of Award, is mailed or delivered to the undersigned Bidder within the time described in Paragraph 2 of this Document 00 4113 or at any other time thereafter before it is withdrawn, the undersigned Bidder will execute and deliver the documents required by Document 00 2113 (Instructions to Bidders) within the times specified therein.

9. Notice of Award or request for additional information may be addressed to the undersigned Bidder at the address set forth below.

10. The undersigned Bidder herewith encloses cash, a cashier’s check, or certified check of or on a responsible bank in the United States, or a corporate surety bond furnished by a surety authorized to do a surety business in the State of California, in form specified in Document 00 2113 (Instructions to Bidders), in the amount of ten percent (10%) of the Total Bid Price and made payable to **THE PERALTA COMMUNITY COLLEGE DISTRICT**.

11. The undersigned Bidder agrees to commence Work under the Contract Documents on the date established in Document 00 7200 (General Conditions) and to complete all Work within the time specified in Document 00 5200 (Agreement).
12. The undersigned Bidder agrees that, in accordance with Document 00 7200 (General Conditions), liquidated damages for failure to complete all Work in the Contract within the time specified in Document 00 5200 (Agreement) shall be as set forth in Document 00 5200.

13. The names of all persons interested in the foregoing Bid as principals are:

IMPORTANT NOTICE: If Bidder or other interested person is a corporation, give the legal name of corporation, state where incorporated, and names of president and secretary thereof; if a partnership, give name of the firm and names of all individual co-partners composing the firm; if Bidder or other interested person is an individual, give first and last names in full.

NAME OF BIDDER: ___________________________________________________________________

licensed in accordance with an act for the registration of Contractors, and with license number:_____________________________________ Expiration: __________________.

(Place of Incorporation, if Applicable)           (Principal)

                                         (Principal)

                                         (Principal)

I certify (or declare) under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

___________________________________________
(Signature of Bidder)

NOTE: If Bidder is a corporation, set forth the legal name of the corporation together with the signature of the officer or officers authorized to sign contracts on behalf of the corporation. If Bidder is a partnership, set forth the name of the firm together with the signature of the partner or partners authorized to sign contracts on behalf of the partnership.

Business Address:    __________________________________________

__________________________________________

Contractor's Representative(s):   __________________________________________

                                         (Name/Title)

                                         (Name/Title)
KNOW ALL BY THESE PRESENTS:

That the undersigned

(Name of Contractor)

as Principal and the undersigned as Surety are held and firmly bound unto Owner, the Peralta Community College District, as obligee, in the penal sum of (Dollar Amount In Words)

Dollars($_______________)

lawful money of the United States of America being at least ten percent (10%) of the aggregate amount of said Principal ________________’s base Bid, for the payment of which, well and truly to be made, we bind ourselves, our successors, executors, administrators, and assigns, jointly and severally, firmly by these presents.

WHEREAS, the said Principal is submitting a Bid for Owner Bid No. 14-15/35 Laney College Reroofing Project, 900 Fallon Street, Oakland, CA 94607

THE CONDITION OF THIS OBLIGATION IS SUCH that if the Bid submitted by the said Principal be accepted and the Contract be awarded to said Principal and said Principal shall within the required periods enter into the Contract so awarded and provide the required Construction Performance Bond, Construction Labor and Material Payment Bond, insurance certificates, Guarantee, and all other endorsements, forms, and documents required under Document 00 2000 (Instructions to Bidders), then this obligation shall be void, otherwise to remain in full force and effect.

IN WITNESS WHEREOF, the above bounden parties have executed this instrument this _____

day of ____________________, 20____.

(Month)

(Corporate Seal)

By ___________________________

Principal

By ___________________________

Surety

(Corporate Seal)

By ___________________________

Attorney in Fact

END OF DOCUMENT
LANEY COLLEGE REROOFING PROJECT

DOCUMENT 00 4314

BIDDER REGISTRATION FORM

INSTRUCTIONS

In order to register to undertake work for Owner, Bidder must:

1) Fill out this registration form completely; do not leave blanks.
2) Provide certificates of insurance or a letter evidencing coverage complying with Document 00 4513 (Statement of Qualifications).

INDEPENDENT CONTRACTOR REGISTRATION

Contractor’s License # __________________________

Date: _____________________ Fed I.D. # __________________________

Full Corporate Name of Company: __________________________

Street Address: __________________________

________________________________________________________

Mailing Address: __________________________

________________________________________________________

Phone: _____________________ Fax: _____________________

Name of Principal Contact: __________________________

Type of Business: _____ Sole Proprietor _____ Partnership _____ Non-Profit 501(c)(3) _____ Corporation _____ other (please explain:______________________)

INSURANCE

Workers’ Compensation:

Carrier: __________________________________________

Address: __________________________________________

Phone and Fax: ______________________________________

Policy Number: ______________________________________

General Liability:

Carrier: __________________________________________
Address: _____________________________________________________________
Phone and Fax: _______________________________________________________
Policy Number: _______________________________________________________
Policy Limits: $ _______________________________________________________
A.M. Best Rating: _____________________________________________________

Automobile Liability:
Carrier: _______________________________________________________________
Address: ______________________________________________________________
Phone and Fax: _________________________________________________________
Policy Number: _______________________________________________________
Policy Limits: $ _______________________________________________________
A.M. Best Rating: _____________________________________________________

All-risk Course of Construction (if applicable, as required by Document 00 7316 [Supplementary Conditions – Insurance]):
Carrier: _______________________________________________________________
Address: ______________________________________________________________
Phone and Fax: _________________________________________________________
Policy Number: _______________________________________________________
Policy Limits: $ _______________________________________________________
A.M. Best Rating: _____________________________________________________

Professional Liability (if applicable, as required by Document 00 7316 [Supplementary Conditions – Insurance]):
Carrier: _______________________________________________________________
Address: ______________________________________________________________
Phone and Fax: _________________________________________________________
Policy Number: _______________________________________________________
Policy Limits: $ _______________________________________________________
A.M. Best Rating: _____________________________________________________
Pollution Legal Liability Insurance (if applicable, as required by Document 00 7316 [Supplementary Conditions – Insurance]):

Carrier: ________________________________________________________________

Address: __________________________________________________________________

Phone and Fax: __________________________________________________________________

Policy Number: __________________________________________________________________

Policy Limits: $ __________________________________________________________________

A.M. Best Rating: __________________________________________________________________

BIDDER CERTIFIES, UNDER PENALTY OF PERJURY, THAT THE FOREGOING INFORMATION IS CURRENT AND ACCURATE AND AUTHORIZES OWNER, AND ITS AGENTS AND REPRESENTATIVES TO OBTAIN A CREDIT REPORT AND/OR VERIFY ANY OF THE ABOVE INFORMATION.

SIGNATURE ________________________________

DATE ________________________________
SAFETY EXPERIENCE

The following statements as to the Bidder’s safety experience are submitted with the Bid, as part thereof, and the Bidder guarantees the truthfulness and accuracy of all information.

1. List Bidder’s interstate Experience Modification Rate for the last three years.

\[20\_\] _____ [20\_] _____ [20\_] _____

2. Use Bidder’s last year’s Cal/OSHA 200 log to fill in the following number of injuries and illnesses:

   a. Number of lost workday cases
   b. Number of medical treatment cases
   c. Number of fatalities

3. Employee hours worked last year

4. State the name of Bidder’s safety engineer/manager:

   Attach a resume or outline of this individual's safety and health qualifications and experience.

I CERTIFY, UNDER PENALTY OF PERJURY, THAT THE FOREGOING INFORMATION IS CURRENT AND ACCURATE AND I AUTHORIZE OWNER, AND ITS AGENTS AND REPRESENTATIVES TO OBTAIN A CREDIT REPORT AND/OR VERIFY ANY OF THE ABOVE INFORMATION.

BIDDER:

By: ________________________________

Signature

Its: ________________________________

Title

Date ________________________________

END OF DOCUMENT
Bidder submits the following information as to the subcontractors Bidder intends to employ if awarded the Contract.

<table>
<thead>
<tr>
<th>Full Name of Subcontractor and Address of Mill or Shop</th>
<th>Description of Work: Reference To Bid Items</th>
<th>Subcontractor's License No.</th>
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</table>

(Bidder to attach additional sheets if necessary)

END OF DOCUMENT
ARTICLE 1 – GENERAL INFORMATION

1.01 Minimum Bidder Qualifications.
   A. Bidders must be duly licensed in accordance with the California Business & Professions Code and have a history of work performance sufficient to meet the requirements of a responsible bidder in the California Public Contract Code Section 1104.
   B. Bidders must have five (5) years experience as a continuously operating entity engaged in the performance of similar work.
   C. Bidders must demonstrate successful experience with type of work of this Project, to include, within the past year, completed two (2) projects of a similar nature and complexity with a contract dollar amount of at (i.) least 75% of the amount of Bidder’s Bid or (ii.) 125% of such amount in the aggregate.

1.02 Measurement.
   A. Bidder’s compliance with the minimum qualification requirements will be measured by Bidder’s experience as an operating entity and also by the experience of the supervisory personnel who will have responsible charge of the various major components of the Work.
   B. If Bidder subcontracts portions of the Work, Owner, in its determination of whether the minimum qualification requirements have been met, may consider the qualifications of the Subcontractor’s supervisory personnel.

ARTICLE 2 – REQUIRED CONTENTS OF SOQ SUBMISSION

2.01 Transmittal Letter.
   A. The Transmittal Letter shall name the proposed prime contractor, its legal structure (i.e., corporation, partnership, limited partnership, joint venture). If a joint venture or partnership is proposed, Bidder shall identify partner and/or member of the joint venture and their roles and responsibilities.

2.02 Submittals:
   A. Completed Questionnaire. Bidder shall include a completed Statement of Qualification Questionnaire in the form attached to this Document 00 4513 as Attachment “A”.
   B. Resumes of Proposed Key Personnel. Bidder shall provide a resume for each named Key Personnel of Bidder, to include as necessary: Years of experience; Education - degrees, schools and years obtained; Professional Registrations; Fluency in English (Yes/No); At least two client references, including contact names, addresses and telephone numbers, and description of projects of a similar nature worked on in the past five years.
   C. Audited or Reviewed Financial Statements. Include audited or reviewed financial statements for the three most recently completed fiscal years for Bidder and each member of any proposed consorting or joint venture. Also include audited or reviewed financial statements for the three most recently completed fiscal years for any parent companies) of Bidder and each member of any proposed consortium oriole venture.
   D. Surety Letter re: Capability to Provide Required Performance and Payment Bonds. Bidder shall include a letter from a surety duly licensed to do business in the State of California, having a financial rating from A.M. Best Company of A-, VII or better, that the surety has agreed to provide
Bidder with the required performance and payment bonds in accordance with the requirements set forth in Documents 00 6113.13 (Construction Performance Bond) and 00 6113.16 (Construction Labor and material Payment bond), each in the penal sum of the Contractor’s bid when submitted. Owner shall have the right to verify with the surety that the surety, based upon the Bid prices, will issue the required bonds under the conditions stated.

E. Insurer Letter re: Capability to Provide the Required Insurance. Bidder shall provide a letter from an insurance underwriter, having a financial rating reasonably acceptable to Owner, confirming that the insurer will provide Bidder the required coverages and amounts specified in the Contract Documents.

F. Description of Human and Physical Resources. Bidder shall identify, describe, and quantify for itself, the following technical information for the construction work: Description and location of manufacturing facilities, naming products and quantifying production capacity and current demand; Description of field organization(s), naming skills and equipment; Description of safety program quality control procedures, and safety experience; and

G. License: Evidence of a valid contractor's license and required licenses of all licensees of persons who are Key Personnel necessary to perform the Work.

H. Litigation History. Description of litigation history for the past three years, including names of involved parties, nature of dispute, and disposition.

2.03 Format.

A. The SOQ shall be clear and concise to enable management-oriented personnel to make a thorough evaluation and arrive at a sound determination as to whether the SOQ meet Owner’s requirement. To this end, the SOQ should be so specific, detailed and complete as to demonstrate clearly and fully that the Bidder has a thorough understanding of and has demonstrated knowledge of the requirements to perform the Work (or applicable portion thereof).

B. Any explanation requested by a Bidder regarding the meaning or interpretation of this Document 00 4513 must be requested in writing and with sufficient time allowed for a reply to reach Bidder before the submission of its SOQ. Oral explanations or instructions will not be binding. Any information provided to any prospective Bidder concerning this Document 00 4513 will be furnished to all prospective Bidders as an Addendum to the Bidding Documents.

STATEMENT OF QUALIFICATION QUESTIONNAIRE FOLLOWS ON NEXT PAGE
ATTACHMENT “A” – Statement of Qualification Questionnaire

Bidders shall complete the entire Statement of Qualification Questionnaire and submit it in accordance with Document 00 2000 (Instructions to Bidders) and Document 00 4513 (Statement of Qualifications). Failure to complete the questionnaire or inclusion of any false statement(s) shall be ground for immediate disqualification.

CONTACT INFORMATION

Company Name: ____________________________________________________________

Owner of Company: _________________________________________________________

Contact Person: _____________________________________________________________

Address: __________________________________________________________________

Phone: ___________________________ Fax: ____________________________

PART A: GENERAL INFORMATION

1. Does Bidder possess a valid and current California Contractor’s license for the work proposed?  Yes ___ No ___

2. Does Bidder have a minimum of $1,000,000 liability insurance coverage?  Yes ___ No ___

3. Has Bidder’s License been revoked at any time in the last five years?  Yes ___ No ___

4. Has Bidder been “default terminated” by an Owner (other than for convenience), or has a Surety completed a contract for Bidder within the last five years?  Yes ___ No ___

5. Has Bidder been convicted more than twice for failure to pay prevailing wages in the last three years?  Yes ___ No ___

6. Has Bidder attached copies of its reviewed or audited financial statements and accompanying notes for the last three years?  Yes ___ No ___

Bidder may be disqualified if any answer to questions 1, 2, or 6 is No.

Bidder may be disqualified if any answer to questions 3, 4, or 5 is Yes.

PART B: SAFETY, PREVAILING WAGE, DISPUTES AND BONDS

(SAFETY)

1. Has Cal/OHSA, Federal OSHA, the EPA or any Air Quality Management Owner cited Bidder in the past five years?  Yes ___ No ___  If yes, attach description of each citation.

2. How often does Bidder require documented safety meetings be held for:
   Field Supervisor  Weekly _____ Bi-Weekly _____ Monthly _____ Less Than Monthly _____
   Employees  Weekly _____ Bi-Weekly _____ Monthly _____ Less Than Monthly _____
   New Hires  Weekly _____ Bi-Weekly _____ Monthly _____ Less Than Monthly _____
   Subcontractors  Weekly _____ Bi-Weekly _____ Monthly _____ Less Than Monthly _____

3. How often does Bidder conduct documented safety inspections?
   Quarterly _____ Semi-annually _____ Annually _____ Other _____

4. Does Bidder have home office safety representatives who visit/audit the job site?

Statement of Qualifications  00 4513 - 3
Laney College Reroofing Project
5. What is Bidder’s Interstate Experience Modification Rate? ____________. (A rating in excess of [1] may constitute grounds for disqualification as non-responsible).

(PREVAILING WAGE PROVISIONS)

6. Has Bidder been fined, penalized or otherwise found to have violated any prevailing wage or labor code provision? If yes, attach description of each occurrence.
   Yes _____ No _____

/LICENSE PROVISIONS

7. Has Bidder changed names or license numbers in the past 5 years? If so, please state reason for change.
   Yes _____ No _____ Reason: __________________________________________________________

(DISPUTES)

8. Has Bidder had any claims, litigation, or disputes ending in mediation or arbitration, or termination for cause associated with any project in the past 5 years? If yes, attach description of each instance including details of total claim amount, settlement amount, and Owner’s name and phone number.
   Yes _____ No _____

(BONDING)

9. Bonding Capacity – Provide documentation from Bidder’s surety identifying the following:
   Name of bonding company/surety: _____________________________________________________
   Name of Surety Agent: ______________________________________________________________
   Surety Agent address: ______________________________________________________________
   Surety Agent phone number: _________________________________________________________
   Is surety a California-admitted surety? Yes _____ No _____
   Is surety listed in the current edition of the California Department of the Treasury’s Listing of approved sureties? Yes _____ No _____
   List surety’s A.M. Best Rating: ______________________________________________________
   What is Bidder’s total bonding capacity? ______________________________________________
   What percent does Bidder pay for bonds? ______________________________________________
PART C: EXPERIENCE OF PRIME CONTRACTOR

The nature of this Project requires prior similar experience for the firm and the Key Personnel assigned. Summarize similar project experience below and provide the detailed project information requested:

Prime Contractor. List three projects of similar size and scope to the Work of the Contract, completed in the past two (2) years, and indicate who were the superintendent, project manager and scheduler. NOTE: this listing will be used to assess compliance with the stated minimum qualifications in Paragraph 1.01B.

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Construction Cost ($)</th>
<th>Year Completed</th>
<th>Name of Project Superintendent</th>
<th>Name of Project Manager</th>
<th>Name of Project Scheduler</th>
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</table>

List Key Personnel that will be assigned to the Work of the current Project and their experience/training with the projects listed above:

Project Manager: _______________________________________________________________

Project Superintendent: ___________________________________________________________

Project Scheduler: _______________________________________________________________
Recent Projects.

Provide information about three (3) of its most currently completed projects. Names and references must be current and verifiable. This listing will be used to assess compliance with the stated minimum qualifications in Paragraph 1.01B. If a separate sheet is used, it must contain all of the following information:

1. Project Name: _____________________________________________________________
   Location: ___________________________________________________________________
   Owner: ______________________________________________________________________
   Owner Contact (name and phone): ______________________________________________
   Architect/Engineer: ___________________________________________________________
   Architect/Engineer Contact (name and phone number): _____________________________
   Const. Mgr. or Project Mgr. (name and phone number): ___________________________
   Description of Project, Scope of Work Performed: ________________________________
   ____________________________________________________________________________
   Total Construction Cost: _________________________________________________________
   Total Change Order Amount: ____________________________________________________
   Did Change Orders exceed 10% of original contract sum? __________ If yes, please explain on separate sheet.
   Original Scheduled Date of Completion: __________________________________________
   Time Extensions Granted (number of Days): _______________________________________
   Actual Date of Completion: _____________________________________________________
   Number of Stop Notices filed by Subcontractors or Suppliers: ______________________

2. Project Name: __________________________________________________________________
   Location: ______________________________________________________________________
   Owner: _________________________________________________________________________
   Owner Contact (name and phone): ________________________________________________
   Architect/Engineer: _____________________________________________________________
   Architect/Engineer Contact (name and phone number): _____________________________
   Const. Mgr. or Project Mgr. (name and phone number): ___________________________
   Description of Project, Scope of Work Performed: ________________________________
   ____________________________________________________________________________
Total Construction Cost: ____________________________________________________________

Total Change Order Amount: _________________________________________________________

Did Change Orders exceed 10% of original contract sum? ___________ If yes, please explain on separate sheet.

Original Scheduled Date of Completion: ________________________________________________

Time Extensions Granted (number of Days): _____________________________________________

Actual Date of Completion: ___________________________________________________________

Number of Stop Notices filed by Subcontractors or Suppliers: _______________________________

3. Project Name: _____________________________________________________________________
   Location: _________________________________________________________________________
   Owner: __________________________________________________________________________
   Owner Contact (name and phone): ____________________________________________________
   Architect/Engineer: _________________________________________________________________
   Architect/Engineer Contact (name and phone number): ____________________________________
   Const. Mgr. Or Project Mgr. (name and phone number): _________________________________
   Description of Project, Scope of Work Performed: _________________________________________
      ______________________________________________________________________________

Total Construction Cost: _____________________________________________________________

Total Change Order Amount: _________________________________________________________

Did Change Orders exceed 10% of original contract sum? ___________ If yes, please explain on separate sheet.

Original Scheduled Date of Completion: ________________________________________________

Time Extensions Granted (number of Days): _____________________________________________

Actual Date of Completion: ___________________________________________________________

Number of Stop Notices filed by Subcontractors or Suppliers: _______________________________
PART D: FINANCIAL INFORMATION

1. Has Bidder ever reorganized under the protection of bankruptcy laws?
   Yes _____ No _____ If yes, please state when ________________

2. If Bidder has had the general liability carrier identified in Document 00 4314 (Bidder Registration and Safety Experience Form) for less than 5 years, please provide additional information below for balance of the last 5 years:
   
   Agency Name: ____________________________________________________________________

   Contact Name: ____________________________________________________________________

   Phone Number ____________________________________________________________________

   Carrier: ___________________________________ A.M. Best Rating: ________________________

   Carrier: ___________________________________ A.M. Best Rating: ________________________

   Carrier: ___________________________________ A.M. Best Rating: ________________________

3. Has Bidder ever had insurance terminated by a carrier? Yes _____ No _____
   If yes, explain on a separate signed sheet marked with correlating cross-reference to this paragraph of the questionnaire.

Bidder hereby declares under penalty of perjury that all the information provided in this questionnaire is true and correct.

_________________________________________________________________________________
SIGNATURE
_________________________________________________________________________________
TITLE

END OF DOCUMENT
LANEY COLLEGE REROOFING PROJECT

DOCUMENT 00 4519

NON-COLLUSION AFFIDAVIT

PUBLIC CONTRACT CODE §7106

NON-COLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID

STATE OF CALIFORNIA )
) ss.
COUNTY OF ________________ )

______________________________________________, being first duly sworn,

(Name of Principal of Bidder)

deposes and says that he or she is ______________________________________________________

(Office of Affiant)

of _________________________________________________________________________, the party

(Name of Bidder)

making the foregoing Bid, that the Bid is not made in the interest of, or on behalf of, any undisclosed
person, partnership, company, association, organization, or corporation; that the Bid is genuine and not
collusive or sham; that Bidder has not directly or indirectly induced or solicited any other bidder to put in a
false or sham Bid, and has not directly or indirectly colluded, conspired, connived or agreed with any
bidder or anyone else to put in a sham Bid, or that anyone shall refrain from bidding, and that the Bidder
has not in any manner, directly or indirectly, sought by agreement, communication or conference with
anyone to fix the Bid price of Bidder or any other bidder, or to fix any overhead, profit or cost element of
the Bid price, or of that of any other bidder, or to secure any advantage against Owner, or anyone
interested in the proposed contract; that all statements contained in the Bid are true; and further, that
Bidder has not, directly or indirectly, submitted its Bid price or any breakdown thereof, or the contents
thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any
corporation, partnership, company association, organization, Bid depository, or to any member or agent
thereof to effectuate a collusive or sham Bid.

Executed under penalty of perjury under the laws of the State of California:

______________________________________________________________

(Name of Bidder)

______________________________________________________________

(Signature of Principal)

Subscribed and sworn before me __________________________________________

This _____________ day of ____________________________, 201__

Notary Public of the State of __________________________________________

In and for the County of __________________________________________

Non-Collusion Affidavit 00 4519 - 1
Laney College Reroofing Project
My Commission expires_______________________________________________ (Seal)

NOTE: If Bidder is a partnership or a joint venture, this affidavit must be signed and sworn to by every member of the partnership or venture.

NOTE: If Bidder [including any partner or venturer of a partnership or joint venture] is a corporation, this affidavit must be signed by the Chairman, President, or Vice President and by the Secretary, Assistant Secretary, Chief Financial Officer, or Assistant Treasurer.

NOTE: If Bidder’s affidavit on this form is made outside the State of California, the official position of the person taking such affidavit shall be certified according to law.

END OF DOCUMENT
Laney College Reroofing Project

DOCUMENT 00 4530

ROOFING FINANCIAL CERTIFICATION

TO BE EXECUTED BY ALL BIDDERS AND SUBMITTED WITH BID

ROOF PROJECT: ________________________________________________________

I, ______________________, the __________________ for ________________________,
(Name)      (Title)    (Contractor)
certify that I have not offered, given, or agreed to give, received, accepted, or agreed to accept,
any gift, contribution, or any financial incentive whatsoever to or from any person in connection
with the roof project contract described above (“Roof Project”). As used in this certification,
“person” means any natural person, business, partnership, corporation, union, committee, club,
or other organization, entity, or group of individuals.

I, ______________________, the __________________ for ________________________,
(Name)      (Title)    (Contractor)
certify that I do not have, and throughout the duration of the Roof Project contract, I will not have,
any financial relationship in connection with the performance of the Roof Project contract with
any architect, engineer, roofing consultant, materials manufacturer, distributor, or vendor that is
not disclosed below.

I, ______________________, the __________________ for ________________________,
(Name)      (Title)    (Contractor)
have the following financial relationships with an architect, engineer, roofing consultant,
materials manufacturer, distributor, or vendor, or other person in connection with the following
Roof Project: _________________________________________________________

I certify that to the best of my knowledge, the contents of this disclosure are true, or are believed
to be true.

____________________________
(Signature)

____________________________
(Print Name)

____________________________
(Contractor Name)
LANEY COLLEGE REROOFING PROJECT

DOCUMENT 00 4546

BIDDER CERTIFICATIONS

TO BE EXECUTED BY ALL BIDDERS AND SUBMITTED WITH BID

The undersigned Bidder certifies to Owner as set forth in sections 1 through 5 below.

1. STATEMENT OF CONVICTIONS

By my signature hereunder, I hereby swear, under penalty of perjury, that no more than one final, unappealable finding of contempt of court by a Federal Court has been issued against Bidder within the past two years because of failure to comply with an order of a Federal Court or to comply with an order of the National Labor Relations Board.

2. CERTIFICATION OF WORKER'S COMPENSATION INSURANCE

By my signature hereunder, as the Contractor, I certify that I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that Code, and I will comply with such provisions before commencing the performance of the work of this Contract.

3. CERTIFICATION OF PREVAILING WAGE RATES AND RECORDS

By my signature hereunder, as the Contractor, I certify that I am aware of the provisions of Section 1773 of the California Labor Code, which requires the payment of prevailing wage on public projects. Also, that the Contractor and any subcontractors under the Contractor shall comply with California Labor Code §1776, regarding wage records, and with California Labor Code §1777.5, regarding the employment and training of apprentices. It is the Contractor’s responsibility to ensure compliance by any and all subcontractors performing work under this Contract.

4. CERTIFICATION OF COMPLIANCE WITH PUBLIC WORKS CHAPTER OF LABOR CODE

By my signature hereunder, as the Contractor, I certify that I am aware of Sections 1777.1 and 1777.7 of the California Labor Code and Contractor and Subcontractors and am eligible to bid and work on public works projects.

5. CERTIFICATION OF ADEQUACY OF CONTRACT AMOUNT

By my signature hereunder, as the Contractor, pursuant to Labor Code Section 2810(a), I certify that, if awarded the Contract based on the undersigned’s Bid, the Contract will include funds sufficient to allow the Contractor to comply with all applicable local, state, and federal laws or regulations governing the labor or services to be provided. I understand that the County will be relying on this certification if it awards the Contract to the undersigned.

BIDDER:

________________________________________________________
(Name of Bidder)

Date: ____________________, [201 ] By:____________________________________________
(Signature)

Name:____________________________________________________
(Print Name)

Its:_____________________________________________________
(Title)

END OF DOCUMENT
LANEY COLLEGE REROOFING PROJECT

DOCUMENT 00 5100

NOTICE OF AWARD

Dated ____________________________

TO: ________________________________

ADDRESS: ____________________________

CONTRACT NO.: ________________________________

CONTRACT FOR: Peralta Community College District,
Laney College Reroofing Project
900 Fallon Street, Oakland, CA 94607

The Contract Sum of your contract is ______________________________________________________
_______________________________________________________Dollars ($____________________).

1. Five copies of the proposed Contract Documents listed below accompany this Notice of Award.

2. You must comply with the following conditions precedent by [5:00 p.m.] of the [20th Day]
following the date of this Notice of Award, that is, by [Day of the Week, Month Day, 201____].
   a. Deliver to Owner [four] fully executed counterparts of Document 00 5200 (Agreement).
      Each copy of Document 00 5200 (Agreement) must bear your original signature on the
      signature page and your initials on each page.
   b. Deliver to Owner three originals of Document 00 6113.13 (Construction Performance
      Bond), executed by you and your surety.
   c. Deliver to Owner three originals of Document 00 6113.16 (Construction Labor and
      Material Payment Bond), executed by you and your surety.
   d. Deliver to Owner original set of the insurance certificates with endorsements required
      under Document 00 7316 (Supplementary Conditions – Insurance).
   e. Deliver to Owner four original copies of Document 00 6536 (Guaranty), each executed by
      you.

3. Failure to comply with these conditions within the time specified will entitle Owner to consider
your Bid abandoned, to annul this Notice of Award, and to declare your Bid security forfeited.

4. Within [21 Days] after you comply with the conditions in Paragraph 2 of this Document 00 5100,
Owner will return to you one fully signed counterpart of Document 00 5200 (Agreement) with 4 copies
of the Project Manual (including Specifications and Drawings) and 4 sets of full-size Drawings.

5. Before you may start any Work at the Site, you must attend a preconstruction conference. The
preconstruction conference may be arranged through Brian Adair, (510) 466-7269. Questions regarding
bonds and insurance may be directed to John Hiebert.

Notice of Award
Laney College Reroofing Project

00 5100 - 1
6. Upon commencement of the Work, you and each of your Subcontractors shall certify and provide Owner copies of payroll records on forms provided by the Division of Labor Standards Enforcement, in accordance with California Labor Code §1776.

OWNER

BY: __________________________________________
    (Title)

___________________________________________
    (Print Name)

ATTEST: _____________________________________
    Secretary

___________________________________________
    (Print Name)

AUTHORIZED BY [CITY / COUNTY / DISTRICT] RESOLUTION:

NO: _________________________________________

ADOPTED: ________________________________, [201__]

[Copy of Resolution Attached]

END OF DOCUMENT
LANEY COLLEGE REROOFING PROJECT

DOCUMENT 00 5200

AGREEMENT

THIS AGREEMENT, dated this [date] day of [Month], [201____], by and between [Name of Contractor] whose place of business is located at [Address of Contractor] (“Contractor”), and Peralta Community College District acting under and by virtue of the authority vested in Owner by the laws of the State of California.

WHEREAS, Owner, by its Resolution No. [insert number] adopted on the [date] day of [Month, Year] awarded to Contractor the following Contract:

Bid No. 14-15/35
Laney College Reroofing Project at
900 Fallon Street, Oakland, CA 94607

NOW, THEREFORE, in consideration of the mutual covenants hereinafter set forth, Contractor and Owner agree as follows:

ARTICLE 1 - SCOPE OF WORK OF THE CONTRACT

1.01 Work of the Contract

A. Contractor shall complete all Work specified in the Contract Documents, in accordance with the Specifications, Drawings, and all other terms and conditions of the Contract Documents.

1.02 Price for Completion of the Work

A. Owner shall pay Contractor the following Contract Sum (Contract Sum) for completion of Work in accordance with Contract Documents as set forth in Contractor’s Bid, attached hereto.

B. The Contract Sum includes all allowances (if any).

ARTICLE 2 - COMMENCEMENT AND COMPLETION OF WORK

2.01 Commencement of Work

A. Contractor shall commence Work on the date established in the Notice to Proceed.

B. Owner reserves the right to modify or alter the Commencement Date.

2.02 Completion of Work

A. Contractor shall achieve Substantial Completion of the entire Work within 21 Days from the Commencement Date.

B. Contractor shall achieve Final Completion of the entire Work 30 Days from the Commencement Date.

ARTICLE 3 - PROJECT REPRESENTATIVES

3.01 Owner’s Project Manager

The Chancellor (or his/her designee) shall act as Owner’s Representative in all matters relating to the Contract Documents.

3.02 Owner’s Chancellor on behalf of its Board of Trustees, and in accordance with District Board Policies and Administrative Procedures, shall have final authority over all matters pertaining to the Contract Documents and shall have sole authority to modify the Contract Documents on behalf of Owner, to accept work, and to make decisions or actions binding on Owner, and shall have sole
signature authority on behalf of Owner. The Chancellor, at his/her discretion, may delegate some portion of Chancellor’s authority to Owner’s Vice Chancellor of General Services or other representative.

3.03 **Contractor’s Project Manager**
A. Contractor has designated [________ or other] as its Project Manager to act as Contractor’s Representative in all matters relating to the Contract Documents.

3.04 **Architect/Engineer**
A. **Skyline Engineering** furnished the Plans and Specifications and shall have the rights assigned to Architect/Engineer in the Contract Documents.
B. Architect/Engineer has designated ___________________________ as its project manager, to act as its representative for receiving and making communications authorized under the Contract Documents.

**ARTICLE 4 - LIQUIDATED DAMAGES FOR DELAY IN COMPLETION OF WORK**

4.01 **Liquidated Damage Amounts**
A. As liquidated damages for delay Contractor shall pay Owner **five hundred dollars ($500.00)** for each Day that expires after the time specified herein for Contractor to achieve Substantial Completion of the entire Work, until achieved.
B. As liquidated damages for delay Contractor shall pay Owner **five hundred dollars ($500.00)** for each Day that expires after the time specified herein for Contractor to achieve Final Completion of the entire Work, until achieved.

4.02 **Scope of Liquidated Damages**
A. Measures of liquidated damages shall apply cumulatively.
B. Limitations and stipulations regarding liquidated damages are set forth in Document 00 7200 (General Conditions).

**ARTICLE 5 - CONTRACT DOCUMENTS**

5.01 Contract Documents consist of the following documents, including all changes, Addenda, and Modifications thereto:

<table>
<thead>
<tr>
<th>Division</th>
<th>Section</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INTRODUCTORY INFORMATION</strong></td>
<td>00 01 01</td>
<td>Title Page</td>
</tr>
<tr>
<td></td>
<td>00 01 10</td>
<td>Table of Contents</td>
</tr>
<tr>
<td></td>
<td>00 01 15</td>
<td>Drawing List</td>
</tr>
<tr>
<td><strong>BIDDING REQUIREMENTS</strong></td>
<td>00 11 13</td>
<td>Notice Inviting Bids</td>
</tr>
<tr>
<td></td>
<td>00 21 13</td>
<td>Instructions to Bidders</td>
</tr>
<tr>
<td><strong>BID FORMS AND BID SUBMITTALS</strong></td>
<td>00 41 13</td>
<td>Bid Form</td>
</tr>
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<td></td>
<td>00 43 13</td>
<td>Bond Accompanying Bid</td>
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<td></td>
<td>00 43 14</td>
<td>Bidder Registration Form</td>
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<td></td>
<td>00 43 30</td>
<td>Subcontractors List</td>
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<td></td>
<td>00 45 13</td>
<td>Statement of Qualifications</td>
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<td></td>
<td>00 45 19</td>
<td>Non-Collusion Affidavit</td>
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<td></td>
<td>00 45 30</td>
<td>Roofing Financial Certification</td>
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<tr>
<td></td>
<td>00 45 46</td>
<td>Bidder Certifications</td>
</tr>
</tbody>
</table>

Agreement  00 5200 - 2
Laney College Reroofing Project
CONTRACT FORMS
00 51 00 Notice of Award
00 52 00 Agreement
00 61 13.13 Construction Performance Bond
00 61 13.16 Construction Labor and Material Payment Bond
00 62 90 Escrow Agreement for Security Deposits in Lieu of Retention
00 63 25 Substitution Request Form
00 65 00 Release of Claims
00 65 36 Guaranty

CONDITIONS OF THE CONTRACT
00 72 00 General Conditions
00 73 00 Labor Compliance Program
00 7316 Supplementary Conditions
00 73 39 Small Local Business Enterprise
00 73 80 Apprenticeship Program
00 82 50 Project Labor Agreement
00 82 51 PLA Document
00 82 55 PLA Side Letter
00 91 13 Addenda

DIVISION 01 - GENERAL REQUIREMENTS
01 11 00 Summary of the Work
01 20 00 Measurement and Payment
01 26 00 Modification Procedures
01 31 19 Project Meetings
01 32 30 Progress Schedules and Submittals
01 33 00 Submittals
01 41 00 Regulatory Requirements
01 42 00 References and Definitions
01 50 00 Temp Facilities and Controls
01 77 00 Commissioning and Contract Closeout
01 81 13 Environmentally Sustainable Procurement Construction

TECHNICAL SPECIFICATIONS – CHILD CARE BUILDING
02 24 00 Scope of Work
024119.13 Selective Demolition
02 83 00 Lead Remediation
055133.13 Vertical Metal Ladders
06 10 00 Rough Carpentry
07 15 00 Sheet Metal Waterproofing
07 51 00 Built-Up Bituminous Roofing
09 91 13 Exterior Painting

TECHNICAL SPECIFICATIONS – FORUM BUILDING
02 24 00 Scope of Work
024119.13 Selective Demolition
02 83 00 Lead Remediation
07 15 00 Sheet Metal Waterproofing
07 54 00 Thermoplastic Membrane Roofing
09 91 13 Exterior Painting
22 14 26.13 Roof Drainage

Hazardous Materials Report
Drawings – CHILD CARE BUILDING
Roof Plan Drawing
1. Gutter & Edge Detail
2. Rake Edge – Raised Edge
3. Plumbing Vent
4. Outside Edge Flashing Detail
5. Plumbing Vent Alternative
6. Curb Flashing
7. Round Penetration
8. Angle Iron Flashing
9. Gravity Vents
10. Duct Flashing

Drawings – FORUM BUILDING
Roof Plan Drawing
Roof Slopes
1. Parapet Cap and Base Flashing
2. Overflow Drainage Scupper
3. Drain Insert with Sump
4. Pipe or Stand Penetration
5. Plumbing Vent
6. Supports for Horizontal Pipes & Conduits

5.02 There are no Contract Documents other than those listed above. The Contract Documents may only be amended, modified or supplemented as provided in Document 00 7200 (General Conditions).

ARTICLE 6 - MISCELLANEOUS
6.01 Terms and abbreviations used in this Agreement are defined in Document 00 7200 (General Conditions) and Section 01 4200 (References and Definitions) and will have the meaning indicated therein.

6.02 It is understood and agreed that in no instance are the persons signing this Agreement for or on behalf of Owner or acting as an employee, agent, or representative of Owner, liable on this Agreement or any of the Contract Documents, or upon any warranty of authority, or otherwise, and it is further understood and agreed that liability of Owner is limited and confined to such liability as authorized or imposed by the Contract Documents or applicable law.

6.03 In entering into a public works contract or a subcontract to supply goods, services or materials pursuant to a public works contract, Contractor or Subcontractor offers and agrees to assign to the awarding body all rights, title and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. §15) or under the Cartwright Act (Chapter 2 (commencing with §16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, services or materials pursuant to the public works contract or the subcontract. This assignment shall be made and become effective at the time Owner tenders final payment to Contractor, without further acknowledgment by the parties.

6.04 Copies of the general prevailing rates of per diem wages for each craft, classification, or type of worker needed to execute the Contract, as determined by Director of the State of California Department of Industrial Relations, are deemed included in the Contract Documents and on file at Owner’s Office, and shall be made available to any interested party on request. Pursuant to California Labor Code §§ 1860 and 1861, in accordance with the provisions of Section 3700 of the Labor Code, every contractor will be required to secure the payment of compensation to his
employees. Contractor represents that it is aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers’ compensation or to undertake self-insurance in accordance with the provisions of that Code, and Contractor shall comply with such provisions before commencing the performance of the Work of the Contract Documents.

6.05 This Agreement and the Contract Documents shall be deemed to have been entered into in the County of [___], State of California, and governed in all respects by California law (excluding choice of law rules). The exclusive venue for all disputes or litigation hereunder shall be in the Superior Court for the County of [___].

IN WITNESS WHEREOF the parties have executed this Agreement in quadruplicate the day and year first above written.

CONTRACTOR: [CONTRACTOR’S NAME]

By: ______________________________
    (Signature)

Its: ______________________________
    Title (If Corporation: Chairman, President or Vice President)

OWNER: Peralta Community College District

By: ______________________________
    (Signature)

_______________________________
    (Print Name)

_______________________________
    (Title)

Attest: ______________________________
    Secretary

_______________________________
    (Print Name)

APPROVED AS TO FORM AND LEGALITY
THIS ____ DAY OF ________, 20____

By: ______________________________
    Attorney for Owner

_______________________________
    (Print Name)

RESOLUTION NO. ______________________

END OF DOCUMENT
KNOW ALL PERSONS BY THESE PRESENTS:

1.01 THAT WHEREAS, The Peralta Community College District ("Owner"), a public agency of the State of California, has awarded to (Name of Contractor) as Principal Contract Number dated the day of , 20 (the "Contract"), titled THE PROJECT in the amount of $ , which Contract is by this reference made a part hereof, for the work of the following Contract:

(Describe Contract Work)

1.02 AND WHEREAS, Principal is required to furnish a bond in connection with the Contract, guaranteeing the faithful performance thereof;

1.03 NOW, THEREFORE, we, the undersigned Principal and (Name of Surety) as Surety are held and firmly bound unto Owner in the sum of 100% OF THE CONTRACT PRICE to be paid to Owner or its successors and assigns; for which payment, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

1.04 THE CONDITION OF THIS OBLIGATION IS SUCH, that if Principal, or its heirs, executors, administrators, successors, or assigns approved by Owner, shall promptly and faithfully perform the covenants, conditions, and agreements of the Contract during the original term and any extensions thereof as may be granted by Owner, with or without notice to Surety, and during the period of any guarantees or warranties required under the Contract, and shall also promptly and faithfully perform all the covenants, conditions, and agreements of any alteration of the Contract made as therein provided, notice of which alterations to Surety being hereby waived, on Principal's part to be kept and performed at the time and in the manner therein specified, and in all respects according to their true intent and meaning, and shall indemnify, defend, protect, and hold harmless Owner as stipulated in the Contract, then this obligation shall become and be null and void; otherwise it shall be and remain in full force and effect.

1.05 No extension of time, change, alteration, modification, or addition to the Contract, or of the work required thereunder, or work or actions by Owner to mitigate the damages resulting from any breach in performance by Contractor, shall release or exonerate Surety on this bond or in any way affect the obligation of this bond; and Surety does hereby waive notice of any such extension of time, change, alteration, modification, or addition.

1.06 Whenever Principal shall be and declared by Owner in default under the Contract, Surety shall promptly remedy the default, or shall promptly, and in no event later than thirty (30) days from notice:

A. Undertake through its agents or independent contractors (but having qualifications and experience reasonably acceptable to Owner), to complete the Contract in accordance with its terms and conditions and to pay and perform all obligations of Principal under the Contract, including without limitation, all obligations with respect to warranties, guarantees, indemnities, and the payment of liquidated damages; or
B. Obtain a bid or bids for completing the Contract in accordance with its terms and conditions, and, upon determination by Owner of the lowest responsible bidder, arrange for a contract between such bidder and Owner and make available as work progresses (even though there should be a default or a succession of defaults under the contract or contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the Contract Sum, and to pay and perform all obligations of Principal under the Contract, including, without limitation, all obligations with respect to warranties, guarantees, and the payment of liquidated damages; but, in any event, Surety’s total obligations hereunder shall not exceed the amount set forth in the third paragraph hereof. The term “balance of the Contract Sum,” as used in this paragraph, shall mean the total amount payable by Owner to the Principal under the Contract and any amendments thereto, less the amount paid by Owner to Principal.

1.07 Surety’s obligations hereunder are independent of the obligations of any other surety for the performance of the Contract, and suit may be brought against Surety and such other sureties, jointly and severally, or against any one or more of them, or against less than all of them without impairing Owner’s rights against the others.

1.08 Surety may not use Contractor to complete the Contract absent Owner’s Consent. Owner shall have the right in its sole discretion to continue the work of the Contract, as necessary following a default and/or termination, as necessary to prevent risks of personal injury, property damage or delay to the Project.

1.09 No right of action shall accrue on this bond to or for the use of any person or corporation other than Owner or its successors or assigns.

1.10 Surety shall join in any proceedings brought under the Contract upon Owner’s demand, and shall be bound by any judgment.

1.11 Correspondence or claims relating to this bond shall be sent to Surety at the address set forth below.

IN WITNESS WHEREOF, we have hereunto set our hands this ______ day of ____________, 20____.

CONTRACTOR AS PRINCIPAL

Company: (Corp. Seal)
Signature: ____________________________
Name and Title: ____________________________
Address: ____________________________

SURETY

Company: (Corp. Seal)
Signature: ____________________________
Name and Title: ____________________________
Address: ____________________________

END OF DOCUMENT
KNOW ALL PERSONS BY THESE PRESENTS:

1.01 THAT WHEREAS, The Peralta Community College District (“Owner”) has awarded to (Name of Contractor) as Principal Contract Number ____, dated the __ day of ___, 20___ (the “Contract”), titled THE ______________ Project in the amount of $______, which Contract is by this reference made a part hereof, for the work of the following Contract:

Laney College Reroofing Project

A. AND WHEREAS, Principal is required to furnish a bond in connection with the Contract to secure the payment of claims of laborers, mechanics, material suppliers, and other persons as provided by law;

B. NOW, THEREFORE, we, the undersigned Principal and (Name of Surety), as Surety, are held and firmly bound unto Owner in the sum of 100% OF THE CONTRACT PRICE ($______), for which payment well and truly to be made we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

C. THE CONDITION OF THIS OBLIGATION IS SUCH, that if Principal, or its executors, administrators, successors, or assigns approved by Owner, or its subcontractors shall fail to pay any of the persons named in California Civil Code §3181, or amounts due under the State of California Unemployment Insurance Code with respect to work or labor performed under the Contract, or for any amounts required to be deducted, withheld, and paid over to the State of California Employment Development Department from the wages of employees of Principal and subcontractors pursuant to Section 13020 of the State of California Unemployment Insurance Code with respect to such work and labor, that Surety will pay for the same in an amount not exceeding the sum specified in this bond, plus reasonable attorneys’ fees, otherwise the above obligation shall become and be null and void.

D. This bond shall inure to the benefit of any of the persons named in California Civil Code §3181, as to give a right of action to such persons or their assigns in any suit brought upon this bond. The intent of this bond is to comply with the California Mechanic's Lien Law.

E. Surety, for value received, hereby expressly agrees that no extension of time, change, modification, alteration, or addition to the undertakings, covenants, terms, conditions, and agreements of the Contract, or to the work to be performed thereunder, shall in any way affect the obligation of this bond; and it does hereby waive notice of any such extension of time, change, modification, alteration, or addition to the undertakings, covenants, terms, conditions, and agreements of the Contract, or to the work to be performed thereunder.

F. Surety’s obligations hereunder are independent of the obligations of any other surety for the payment of claims of laborers, mechanics, material suppliers, and other persons in connection with Contract; and suit may be brought against Surety and such other sureties, jointly and severally, or against any one or more of them, or against less than all of them without impairing Owner’s rights against the other.

G. Correspondence or claims relating to this bond shall be sent to Surety at the address set forth below.
IN WITNESS WHEREOF, we have hereunto set our hands this ____ day of ____________, 20___.

<table>
<thead>
<tr>
<th>CONTRACTOR AS PRINCIPAL</th>
<th>SURETY</th>
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<tbody>
<tr>
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<td>Company:</td>
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<td>(Corp. Seal)</td>
<td>(Corp. Seal)</td>
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<td>Street Address</td>
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</tr>
<tr>
<td>City, State, Zip Code</td>
<td>City, State, Zip Code</td>
</tr>
</tbody>
</table>

END OF DOCUMENT
THIS ESCROW AGREEMENT ("Escrow Agreement") is made and entered into this ___ day of __________________, 201__, by and between the Peralta Community College District, ("Owner"), whose address is 333 East 8th Street, Oakland, CA 94606, (Name of Contractor) (Contractor), whose place of business is located at (Contractor’s Address) and [ ] Owner, as escrow agent OR [ ] (Name of Bank), a state or federally chartered bank in the State of California, whose place of business is located at (Escrow Agent).

For the consideration hereinafter set forth, Owner, Contractor and Escrow Agent agree as follows:

1. Pursuant to California Public Contract Code §22300, Contractor has the option to deposit securities with Escrow Agent as a substitute for retention earnings required to be withheld by Owner pursuant to Contract Number ___________ entered into between Owner and Contractor for Laney College Reroofing Project located at 900 Fallon Street, Oakland, CA 94607 in the amount of $__________ dated __________, 201__ (the “Contract”). Alternatively, on written request of Contractor, Owner shall make payments of the retention earnings directly to Escrow Agent. When Contractor deposits the securities as a substitute for Contract earnings, Escrow Agent shall notify Owner within ten Days of the deposit. The market value of the securities at the time of substitution shall be at least equal to the cash amount then required to be withheld as retention under terms of Contract between Owner and Contractor. Securities shall be held in name of ________________, and shall designate Contractor as the beneficial owner.

2. Owner shall make progress payments to Contractor for those funds which otherwise would be withheld from progress payments pursuant to Contract provisions, provided that Escrow Agent holds securities in form and amount specified in Paragraph 1 of this Document 00 6290.

3. When Owner makes payment(s) of retention earned directly to Escrow Agent, Escrow Agent shall hold said payment(s) for the benefit of Contractor until the time that the escrow created under this Escrow Agreement is terminated. Contractor may direct the investment of the payments into securities. All terms and conditions of this Escrow Agreement and the rights and responsibilities of the parties shall be equally applicable and binding when Owner pays Escrow Agent directly.

4. Contractor shall be responsible for paying all fees for the expenses incurred by Escrow Agent in administering the Escrow Account, and all expenses of Owner. Such expenses and payment terms shall be determined by Owner, Contractor, and Escrow Agent.

5. Interest earned on securities or money market accounts held in escrow and all interest earned on that interest shall be for sole account of Contractor and shall be subject to withdrawal by Contractor at any time and from time to time without notice to Owner.

6. Contractor shall have the right to withdraw all or any part of the principal in the Escrow Account only by written notice to Escrow Agent accompanied by written authorization from Owner to Escrow Agent that Owner consents to withdrawal of amount sought to be withdrawn by Contractor.
7. Owner shall have the right to draw upon the securities in event of default by Contractor. Upon seven Days written notice to Escrow Agent from Owner of the default, Escrow Agent shall immediately convert the securities to cash and shall distribute the cash as instructed by Owner.

8. Upon receipt of written notification from Owner certifying that the Contract is final and complete, and that Contractor has complied with all requirements and procedures applicable to the Contract, Escrow Agent shall release to Contractor all securities and interest on deposit less escrow fees and charges of the Escrow Account. The escrow shall be closed immediately upon disbursement of all moneys and securities on deposit and payments of fees and charges.

9. Escrow Agent shall rely on written notifications from Owner and Contractor pursuant to Paragraphs 5 through 8, inclusive, of this Document 00 6290 and Owner and Contractor shall hold Escrow Agent harmless from Escrow Agent's release and disbursement of securities and interest as set forth.

10. Names of persons who are authorized to give written notice or to receive written notice on behalf of Owner and on behalf of Contractor in connection with the foregoing, and exemplars of their respective signatures are as follows:

<table>
<thead>
<tr>
<th>ON BEHALF OF OWNER:</th>
<th>ON BEHALF OF CONTRACTOR:</th>
</tr>
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<th>ON BEHALF OF ESCROW AGENT:</th>
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<tbody>
<tr>
<td>Title</td>
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<tr>
<td>Name</td>
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<tr>
<td>Signature</td>
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<td>City/State/Zip Code</td>
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</table>

IN WITNESS WHEREOF, the parties have executed this Escrow Agreement by their proper officers on the date first set forth above.

<table>
<thead>
<tr>
<th>OWNER</th>
<th>CONTRACTOR</th>
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</thead>
<tbody>
<tr>
<td>Title</td>
<td>Title</td>
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</tbody>
</table>

Escrow Agreement for Security
Deposits in Lieu of Retention
Laney College Reroofing Project

00 6290 - 2
At the time the Escrow Account is opened, Owner and Contractor shall deliver to Escrow Agent a fully executed counterpart of this Document 00 6290.
To: The Peralta Community College District, Owner

## PROJECT:

<table>
<thead>
<tr>
<th>Owner Project No:</th>
<th>Contractor:</th>
</tr>
</thead>
</table>

## Substitution Request By:

<table>
<thead>
<tr>
<th>Firm:</th>
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## Transmittal Record

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<tr>
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<th>Firm:</th>
<th>Date Sent:</th>
<th>Date Rec’d:</th>
<th>Date Due:</th>
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<tbody>
<tr>
<td>Contractor to Owner</td>
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<tr>
<td>Contractor to Architect</td>
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<tr>
<td>Owner / Architect to Consultant</td>
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<tr>
<td>Architect to Owner Representative</td>
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<tr>
<td>Owner Representative to Contractor</td>
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</table>

We hereby submit for your consideration the following product instead of the specified item for the Project:

<table>
<thead>
<tr>
<th>Section / Drawing</th>
<th>Article</th>
<th>Specified Item</th>
</tr>
</thead>
</table>

## Proposed Substitution:

We have (a) attached manufacturer’s literature, including complete technical data and laboratory test results, if applicable, (b) attached an explanation of why proposed substitution is a true equivalent to specified item, (c) included complete information on changes to Contract Documents that the proposed substitution will require for its proper installation, and (d) filled in the blanks below:
Contractor to complete questions that follow and certifies to the accuracy of all answers:

A. Does the substitution affect dimensions shown on Drawings? Yes __ / No __. If No, please explain proposed mitigation and why substitution is equivalent to originally specified item:

B. Will the undersigned pay for changes to the building design, including engineering and detailing costs caused by the requested substitution? Yes __ / No __. If No, please state reasons explain why substitution is equivalent to originally specified item:

C. What effect does the substitution have on other trades? No effect: __ / Some effect __. If substitution will affect other trades, please explain the effect and why substitution is equivalent to originally specified item:

D. Will substitution cause change to Project Schedule, or to critical delivery dates? Add? Shorten? If the substitution will add to schedule dates or affect critical activities, please explain why substitution is equivalent to originally specified item:

E. Please describe differences between proposed substitution and specified item? Please explain and identify any and all differences, and please explain why substitution is equivalent to originally specified item:

F. What is the Cost Differential to Contractor in original specified item and proposed substitution including all mark-ups? [If substitution requested during bid period, skip this question.]

G. Are Manufacturer’s guarantees for the proposed item the same as for item specified? Yes ____; No____. If No, please explain why substitution is equivalent to originally specified item:
H. Contractor accepts full responsibility for delays caused by redesign of other items of the Work necessitated by substitution? Yes __ / No __. If No, please state reasons and explain why substitution is equivalent to originally specified item:

I. Contractor states that the function, appearance and quality are equivalent or superior to the specified item? Yes __ / No __. If No, please explain why substitution is equivalent to originally specified item:

We certify that the function, appearance, and quality of the proposed substitution are equivalent or superior to those of the specified item, except as we may specifically state otherwise in this request.

Submitted by: ____________________________  Signature: ____________________________

Firm: ____________________________  Date: ____________________________

Address: ____________________________  Phone/ Fax: ____________________________

Remarks: ____________________________

Consultant Response:
- o Accepted
- o Not Accepted
- o Accepted As Noted
- o Received Too Late

Owner Representative Response:
- o Accepted
- o Not Accepted
- o Accepted As Noted
- o Received Too Late

Remarks: ____________________________

By: ____________________________

END OF DOCUMENT
LANEY COLLEGE REROOFING PROJECT

DOCUMENT 00 6500

AGREEMENT AND RELEASE OF ANY AND ALL CLAIMS

THIS AGREEMENT AND RELEASE OF ANY AND ALL CLAIMS ("Agreement and Release"), made and entered into this [date] day of [Month], [20__], by and between the Peralta Community College District ("District"), and [Name of Contractor] ("Contractor"), whose place of business is at [Address of Contractor].

RECITALS

A. District and Contractor entered into Contract Number [insert number] (the "Contract") for construction of the Peralta Community College District [Project Name] at [School Name] located at [School Street Address], [City], California.

B. The Work under the Contract has been completed.

AGREEMENT

NOW THEREFORE, it is mutually agreed between District and Contractor as follows:

1. Contractor will not be assessed liquidated damages except as detailed below:

   Original Contract Sum $ _______________________________

   Modified Contract Sum $ _______________________________

   Payment to Date $ _______________________________

   Liquidated Damages $ _______________________________

   Payment Due Contractor $ _______________________________

2. Subject to the provisions of this Agreement and Release, District will forthwith pay to Contractor the sum of [________________________________________________________ Dollars and __________________________ Cents ($____________________)] under the Contract, less any amounts withheld under the Contract or represented by any Notice to Withhold Funds on file with District as of the date of such payment.

3. Contractor acknowledges and hereby agrees that there are no unresolved or outstanding claims in dispute against District arising from the Contract, except for the claims described in Paragraph 4 of this Document 00650. It is the intention of the parties in executing this Agreement and Release that this Agreement and Release shall be effective as a full, final and general release of all claims, demands, actions, causes of action, obligations, costs, expenses, damages, losses and liabilities of Contractor against District, and all if its agents, employees, consultants, inspectors, representatives, assignees and transferees, except for the Disputed Claims set forth in Paragraph 4 of this Document 00650. Nothing in this Agreement and Release shall limit or modify Contractor’s continuing obligations described in Paragraph 6 of this Document 00650.
4. The following claims submitted under Document 00700 (General Conditions), Article 12, are disputed (hereinafter, the “Disputed Claims”) and are specifically excluded from the operation of this Agreement and Release.

[Insert information in Chart below, affix attachment if necessary]

<table>
<thead>
<tr>
<th>CLAIM NO.</th>
<th>DATE SUBMITTED</th>
<th>DESCRIPTION OF CLAIM</th>
<th>AMOUNT OF CLAIM</th>
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</table>

5. Consistent with California Public Contract Code §7100, Contractor hereby agrees that, in consideration of the payment set forth in Paragraph 2 of this Document 006500, Contractor hereby releases and forever discharges District, and all of its agents, employees, consultants, inspectors, assignees and transferees from any and all liability, claims, demands, actions or causes of action of whatever kind or nature arising out of or in any way concerned with the Work under the Contract.

6. Guarantees and warranties for the Work, and any other continuing obligation of Contractor, shall remain in full force and effect as specified in the Contract Documents.

7. Contractor shall immediately defend, indemnify and hold harmless District, any of the District’s Representatives, Project Manager, and all of their agents, employees, consultants, inspectors, assignees and transferees, from any and all claims, demands, actions, causes of action, obligations, costs, expenses, damages, losses and liabilities that may be asserted against them by any of Contractor’s suppliers and/or Subcontractors of any tier and/or any suppliers to them for any and all labor, materials, supplies and equipment used, or contemplated to be used in the performance of the Contract, except for the Disputed Claims set forth in Paragraph 4 of this Document 00650.

8. Contractor hereby waives the provisions of California Civil Code §1542, which provide as follows:

   A GENERAL RELEASE DOES NOT EXTEND TO CLAIMS WHICH THE CREDITOR DOES NOT KNOW OR SUSPECT TO EXIST IN HIS FAVOR AT THE TIME OF EXECUTING THE RELEASE, WHICH IF KNOWN BY HIM, MUST HAVE MATERIALLY, AFFECTED HIS SETTLEMENT WITH THE DEBTOR.

9. The provisions of this Agreement and Release are contractual in nature and not mere recitals and shall be considered independent and severable, and if any such provision or any part thereof shall be at any time held invalid in whole or in part under any federal, state, county, municipal or other law, ruling, or regulation, then such provision, or part thereof shall remain in force and effect only to the extent permitted by law, and the remaining provisions of this Agreement and Release shall also remain in full force and effect, and shall be enforceable.

Release of Claims 00 6500 - 2
Laney College Reroofing Project
10. Contractor represents and warrants that it is the true and lawful owner of all claims and other matters released pursuant to this Agreement and Release, and that it has full right, title and authority to enter into this instrument. Each party represents and warrants that it has been represented by counsel of its own choosing in connection with this Agreement and Release.

11. All rights of District shall survive completion of the Work or termination of the Contract, and execution of this Agreement and Release.

* * CAUTION: THIS IS A RELEASE - READ BEFORE EXECUTING * * *

PERALTA COMMUNITY COLLEGE DISTRICT

By: ___________________________________________________  
Signature

Name: ________________________________________________  
Print

Its: ___________________________________________________  
Title

ATTEST:

_____________________________________________________  
Secretary

_____________________________________________________  
Print

[CONTRACTOR]

By: ___________________________________________________  
Signature

Name: ________________________________________________  
Print

Its: ___________________________________________________  
Title

[CONTRACTOR]

Release of Claims  00 6500 - 3  
Laney College Reroofing Project
By: ______________________________________________________
Signature

Name: ______________________________________________________
Print

Its: _______________________________________________________
Title

REVIEWED AS TO FORM:

Dated: ____________________________, [200__]

By: _______________________________________________________
Counsel for District

Name: ____________________________________________________
Print

END OF DOCUMENT
LANEY COLLEGE REROOFING PROJECT

DOCUMENT 00 6536

GUARANTY

TO: The Peralta Community College District ("Owner"), for construction of the Laney College Reroofing Project, located at 900 Fallon Street, Oakland, CA 94607.

The undersigned guarantees all construction performed on this Project and also guarantees all material and equipment incorporated therein.

Contractor hereby grants to Owner for a period of one year following the date of Final Acceptance of the Work completed, or such longer period specified in the Contract Documents, its unconditional warranty of the quality and adequacy of all of the Work including, without limitation, all labor, materials and equipment provided by Contractor and its Subcontractors of all tiers in connection with the Work.

Neither final payment nor use nor occupancy of the Work performed by the Contractor shall constitute an acceptance of Work not done in accordance with this Guaranty or relieve Contractor of liability in respect to any express warranties or responsibilities for faulty materials or workmanship. Contractor shall remedy any defects in the Work and pay for any damage resulting therefrom, which shall appear within one year, or longer if specified, from the date of Final Acceptance of the Work completed.

If within one year after the date of Final Acceptance of the Work completed, or such longer period of time as may be prescribed by laws or regulations, or by the terms of Contract Documents, any Work is found to be Defective, Contractor shall promptly, without cost to Owner and in accordance with Owner’s written instructions, correct such Defective Work. Contractor shall remove any Defective Work rejected by Owner and replace it with Work that is not Defective, and satisfactorily correct or remove and replace any damage to other Work or the work of others resulting therefrom. If Contractor fails to promptly comply with the terms of such instructions, or in an emergency where delay would cause serious risk of loss or damage, Owner may have the Defective Work corrected or the rejected Work removed and replaced. Contractor shall pay for all claims, costs, losses and damages caused by or resulting from such removal and replacement. Where Contractor fails to correct Defective Work, or defects are discovered outside the correction period, Owner shall have all rights and remedies granted by law.

Inspection of the Work shall not relieve Contractor of any of its obligations under the Contract Documents. Even though equipment, materials, or Work required to be provided under the Contract Documents have been inspected, accepted, and estimated for payment, Contractor shall, at its own expense, replace or repair any such equipment, material, or Work found to be Defective or otherwise not to comply with the requirements of the Contract Documents up to the end of the guaranty period.

All abbreviations and definitions of terms used in this Agreement shall have the meanings set forth in the Contract Documents.

The foregoing Guaranty is in addition to any other warranties of Contractor contained in the Contract Documents, and not in lieu of, any and all other liability imposed on Contractor under the Contract Documents and at law with respect to Contractor’s duties, obligations, and performance under the Contract Documents. In the event of any conflict or inconsistency between the terms of this Guaranty and any warranty or obligation of the Contractor under the Contract Documents or at law, such inconsistency or conflict shall be resolved in favor of the higher level of obligation of the Contractor.

Date: ___________________________ , 20___

Contractor’s name

Guaranty

Laney College Reroofing Project
By: ____________________________

Signature

____________________________________
Print Name

____________________________________
Title

____________________________________
Street Address

____________________________________
City, State, Zip code

END OF DOCUMENT
# LANEY COLLEGE REROOFING PROJECT

## DOCUMENT 00 7200

### GENERAL CONDITIONS

<table>
<thead>
<tr>
<th>Article</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTICLE 1 - INTERPRETATION OF CONTRACT DOCUMENTS</td>
<td>1.01 Interpretation Of Documents</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>1.02 Order Of Precedence Of Documents</td>
<td>1</td>
</tr>
<tr>
<td>ARTICLE 2 - PRE-BID INVESTIGATIONS</td>
<td>2.01 Pre-Bid Investigations Required</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>2.02 Limited Reliance Permitted On Owner’s Existing Conditions Data</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>2.03 Pre-Bid Investigation Requirements For Excavation And Utilities Relocation Projects</td>
<td>2</td>
</tr>
<tr>
<td>ARTICLE 3 - SUBCONTRACTORS</td>
<td>3.01 Subcontractor Listing Law</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>3.02 Subcontracts</td>
<td>3</td>
</tr>
<tr>
<td>ARTICLE 4 - DRAWINGS AND SPECIFICATIONS</td>
<td>4.01 Intent Of Drawings And Specifications</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>4.02 Checking Of Drawings And Specifications</td>
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</tr>
<tr>
<td></td>
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</tr>
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<td>4.04 Use Of Drawings And Specifications</td>
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</tr>
<tr>
<td>ARTICLE 5 - COMMENCEMENT OF THE WORK</td>
<td>5.01 Submission Of Required Schedules</td>
<td>4</td>
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<td>6.01 Contractor’s Legal Address</td>
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</tr>
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<td>6.02 Contractor’s Superintendents Or Forepersons</td>
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<tr>
<td></td>
<td>6.05 Contractor’s Use Of The Site</td>
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<td></td>
<td>6.06 Contractor’s Site Office</td>
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</tr>
<tr>
<td>ARTICLE 7 - OWNER’S ADMINISTRATION OF WORK</td>
<td>7.01 Owner’s Representative(s)</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>7.02 Owner’s Observation Of The Work</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>7.03 Architect/Engineer’s Observation Of Work</td>
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</tr>
<tr>
<td></td>
<td>7.04 Owner’s And Architect/Engineer’s Exercise Of Contract Responsibilities</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>7.05 Owner’s Right Of Access To The Work</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>7.06 Owner’s Right Of Separate Construction</td>
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</tr>
<tr>
<td>ARTICLE 8 - CONTRACTOR’S PROSECUTION AND PROGRESS OF THE WORK</td>
<td>8.01 Contractor To Supervise The Work</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>8.02 Contractor To Maintain Cost Data</td>
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<td></td>
<td>8.03 Contractor To Supply Sufficient Workers And Materials</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>8.04 Contractor To Maintain Project Record Documents</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>8.05 Contractor To Not Disrupt Owner Operation</td>
<td>9</td>
</tr>
<tr>
<td></td>
<td>8.06 Contractor To Provide Temporary Facilities And Controls</td>
<td>9</td>
</tr>
<tr>
<td>ARTICLE 9 - WARRANTY, GUARANTY, AND INSPECTION OF WORK</td>
<td>9.01 Warranty And Guaranty</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>9.02 Inspection Of Work</td>
<td>10</td>
</tr>
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<td></td>
<td>9.03 Correction Of Defective Work</td>
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</tr>
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<td>9.04 Acceptance And Correction Of Defective Work By Owner</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>9.05 Rights Upon Inspection, Correction Or Acceptance</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>9.06 Proof Of Compliance Of Contract Provisions</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>9.07 Correction Period And Project Warranty Period</td>
<td>13</td>
</tr>
<tr>
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<td>9.08 No Waiver</td>
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</tbody>
</table>
# LANEY COLLEGE REROOFING PROJECT
## DOCUMENT 00 7200
### GENERAL CONDITIONS

<table>
<thead>
<tr>
<th>Article</th>
<th>Description</th>
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<tbody>
<tr>
<td>10.01</td>
<td>Owner’s Right To Direct Changed Work</td>
</tr>
<tr>
<td>10.02</td>
<td>Required Documentation For Changed Work</td>
</tr>
<tr>
<td>10.03</td>
<td>Procedures And Pricing Of Changed Work</td>
</tr>
<tr>
<td>11.01</td>
<td>Time Allowances</td>
</tr>
<tr>
<td>11.02</td>
<td>Excusable Delay And Inexcusable Delay Defined</td>
</tr>
<tr>
<td>11.03</td>
<td>Notice Of Delay</td>
</tr>
<tr>
<td>11.04</td>
<td>Compensable Time Extensions</td>
</tr>
<tr>
<td>11.05</td>
<td>Non-Compensable Time Extensions</td>
</tr>
<tr>
<td>11.06</td>
<td>Adverse Weather</td>
</tr>
<tr>
<td>11.07</td>
<td>Liquidated Damages</td>
</tr>
<tr>
<td>12.01</td>
<td>Obligation to File Claims for Disputed Work</td>
</tr>
<tr>
<td>12.02</td>
<td>Form And Contents Of Claim</td>
</tr>
<tr>
<td>12.03</td>
<td>Administration During/After Claim Submission</td>
</tr>
<tr>
<td>12.04</td>
<td>Compliance</td>
</tr>
<tr>
<td>13.01</td>
<td>Contractor To Locate Underground Facilities</td>
</tr>
<tr>
<td>13.02</td>
<td>Contractor To Protect Underground Facilities</td>
</tr>
<tr>
<td>13.03</td>
<td>Concealed Or Unknown Conditions</td>
</tr>
<tr>
<td>13.04</td>
<td>Notice Of Hazardous Waste Or Materials Conditions</td>
</tr>
<tr>
<td>14.01</td>
<td>Laws And Regulations</td>
</tr>
<tr>
<td>14.02</td>
<td>Permits And Taxes</td>
</tr>
<tr>
<td>14.03</td>
<td>Communications And Information Distribution</td>
</tr>
<tr>
<td>14.04</td>
<td>Suspension Of Work</td>
</tr>
<tr>
<td>14.05</td>
<td>Termination Of Contract For Cause</td>
</tr>
<tr>
<td>14.06</td>
<td>Termination Of Contract For Convenience</td>
</tr>
<tr>
<td>14.07</td>
<td>Contingent Assignment Of Subcontracts</td>
</tr>
<tr>
<td>14.08</td>
<td>Remedies And Contract Integration</td>
</tr>
<tr>
<td>14.09</td>
<td>Interpretation</td>
</tr>
<tr>
<td>14.10</td>
<td>Patents</td>
</tr>
<tr>
<td>14.11</td>
<td>Substitution For Patented And Specified Articles</td>
</tr>
<tr>
<td>14.12</td>
<td>Interest Of Public Officers</td>
</tr>
<tr>
<td>14.13</td>
<td>Limit Of Liability</td>
</tr>
<tr>
<td>15.01</td>
<td>Use Of Site/Sanitary Rules</td>
</tr>
<tr>
<td>15.02</td>
<td>Protection Of Work, Persons, And Property</td>
</tr>
<tr>
<td>15.03</td>
<td>Responsibility For Safety And Health</td>
</tr>
<tr>
<td>15.04</td>
<td>Emergencies</td>
</tr>
<tr>
<td>15.05</td>
<td>Use Of Roadways And Walkways</td>
</tr>
<tr>
<td>15.06</td>
<td>Nondiscrimination</td>
</tr>
<tr>
<td>15.07</td>
<td>Prevailing Wages And Working Hours</td>
</tr>
<tr>
<td>15.08</td>
<td>Environmental Controls</td>
</tr>
<tr>
<td>15.09</td>
<td>Shoring Safety Plan</td>
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</tbody>
</table>

General Conditions 00 7200 - ii
Laney College Reroofing Project
GENERAL CONDITIONS

ARTICLE 1 - INTERPRETATION OF CONTRACT DOCUMENTS

1.01 Interpretation Of Documents
A. Contract Documents are complementary; what is called for by one is as binding as if called for by all.
B. Individual Contract Documents subdivide at first level into Articles, and then into paragraphs.

1.02 Order Of Precedence Of Documents
A. In the case of discrepancy or ambiguity in the Contract Documents, the following order of precedence shall prevail:
1. Modifications in inverse chronological order (i.e., most recent first), and in the same order as specific portions they are modifying;
2. Agreement Forms (Document 00 5200), and terms and conditions referenced therein;
3. Supplementary General Conditions (Document 00 7201 et seq), if included;
4. General Conditions (Document 00 7200);
5. Division 1 Specifications, if included;
6. Drawings and Technical Specifications (Division 2 and above);
7. Written numbers over figures, unless obviously incorrect;
8. Figured dimensions over scaled dimensions;
9. Large-scale Drawings over small-scale Drawings.
B. Any conflict between Drawings and Technical Specifications (Division 2 and above) will be resolved in favor of the document of the latest date (i.e., the most recent document), and if the dates are the same or not determinable, then in favor of Specifications.
C. Any conflict between a bill or list of materials shown in the Contract Documents and the actual quantities required to complete Work required by Contract Documents, will be resolved in favor of the actual quantities.
D. All Technical Specifications included in the Project manual shall be included within the Contract Documents unless identified otherwise.

ARTICLE 2 - PRE-BID INVESTIGATIONS

2.01 Pre-Bid Investigations Required
A. Prior to and as a condition of submitting a Bid and executing Document 00 5200 (Agreement), Contractor shall make reasonable efforts to investigate fully the Work of the Contract. Contractor shall visit the Site, examine thoroughly and understand fully the nature and extent of the Contract Documents, Work, Site, locality, actual conditions and as-built conditions.
B. Contractor’s investigation shall include, without limitation, requesting and thoroughly examining of all reports of exploration and tests of subsurface conditions, as-built drawings, drawings, product specification(s) or reports, made available by Owner for contracting purposes or during Contractor’s pre-bid investigations, of existing above ground and (to the extent applicable) below ground conditions (together, “Existing Conditions Data”), including, as applicable, Underground Facilities, geotechnical data, as-built data, utility surveys, record documents of all types, hazardous materials surveys, or similar materials which may appear or be referenced in the Project Manual or the in the Contract Documents, and all local conditions, and federal, state and local laws and regulations that in any manner may affect cost, progress, performance or furnishing of Work or which relate to any aspect of the means, methods, techniques, sequences or procedures of construction to be employed by Contractor and safety precautions and programs incident thereto.
C. Contractor’s investigations shall consider fully the fact that Existing Conditions Data is in many cases based on information furnished to Owner by others (e.g., the prior owner or builders), and that due to their age or their chain of custody since preparation, may not meet current industry standards for accuracy. Contractor shall also: (i.) provide Owner with prompt written notice of all
conflicts, errors, ambiguities, or discrepancies of any type, that it discovered in or among
the Contract Documents and the Existing Conditions Data, and (ii.) subject to Owner’s approval,
conduct any such additional or supplementary examinations, investigations, explorations, tests,
studies and data compilations, concerning conditions (surface, subsurface, and Underground
Facilities) at or contiguous to the Site or otherwise, which Contractor may deem necessary in
order to perform and furnish the Work in accordance with the terms and conditions of Contract
Documents.

D. During performance of the Contract, Contractor will be charged with knowledge of all information
that it should have learned in performing these pre-bid investigations and other obligations, and
shall not be entitled to Change Orders (time or compensation) due to any information, error,
inconsistency, omission, or conditions that Contractor should have known as a part of this Work.
Contractor shall be responsible for the resultant losses, including, without limitation, the cost of
correcting Defective Work.

2.02 Limited Reliance Permitted On Owner's Existing Conditions Data

A. Regarding aboveground and as-built conditions shown on the Contract Documents or supplied by
Owner, such information has been compiled in good faith, however, Owner does not expressly or
impliedly warrant or represent that such information is correctly shown or indicated, or otherwise
complete for construction purposes. Contractor must independently verify such information as
part of its pre-bid investigations, and where conditions are not reasonably verifiable or
discrepancies are indentified, bring such matters to Owner’s attention through written question
issued during the bid period. In executing Document 00 5200 (Agreement), Contractor shall rely
on the results of its own independent investigation and shall not rely on Owner -supplied
information regarding aboveground conditions and as -built conditions, and Contractor shall
accept full responsibility for its verification work sufficient to complete the Work as intended.

B. Regarding subsurface conditions other than Underground Facilities shown on the Contract
Documents or otherwise supplied by Owner, Contractor may rely only upon the general accuracy
of actual reported depths, actual reported character of materials, actual reported soil types, actual
reported water conditions, or actual obstructions shown or indicated in the Contract Documents.
Owner is not responsible for the completeness of any subsurface condition information,
Contractor’s conclusions or opinions drawn from any subsurface condition information, or
subsurface conditions that are not specifically shown. (For example, Owner is not responsible for
soil conditions in areas contiguous to areas where a subsurface condition is shown.)

2.03 Pre-Bid Investigation Requirements For Excavation And Utilities Relocation Projects

A. As part of its pre-bid investigations for Projects involving excavation and/or relocation of existing
utilities, Contractor shall make reasonable efforts to verify information regarding Underground
Facilities, including but not limited to, requesting additional information or verification of
information as necessary.

B. Because of the nature and location of Owner and the Project, the existence of Underground
Facilities is deemed inherent in the Work of the Contract, as is the fact that Underground
Facilities are not always accurately shown or completely shown on as-built records, both as to
their depth and location. Contractor shall, therefore, take care to note the existence and potential
existence of Underground Facilities, in particular, above and below grade structures, drainage
lines, storm drains, sewers, water, gas, electrical, chemical, hot water, and other similar items
and utilities. Contractor shall carefully consider all supplied information, request additional
information Contractor may deem necessary, and visually inspect the Site for above ground
indications of Underground Facilities (such as, for example not by way of limitation, the existence
of existing service laterals, appurtenances or other types of utilities, indicated by the presence of
an underground transmission main or other visible facilities, such as buildings, new asphalt,
meters and junction boxes, on or adjacent to the Site). Contractor shall also consider local
underground conditions and typical practices for Underground Facilities, either through its own
direct knowledge or through its subcontractors, and fully consider this knowledge in assessing the
existing information and the reasonableness of its reliance.
ARTICLE 3 - SUBCONTRACTORS

3.01 Subcontractor Listing Law
A. Contractor shall comply with the Subcontractor Listing law, California Public Contract Code §§4101 et seq. Contractor shall not substitute any other person or firm in place of any Subcontractor listed in the Bid except as may be allowed by law.
B. Subcontractors shall not assign or transfer their subcontracts or permit them to be performed by any other contractor without Owner’s written approval. At Owner’s request, Contractor shall provide Owner with a complete copy of all executed subcontracts or final commercial agreements with Subcontractors and/or suppliers.

3.02 Subcontracts
A. Subcontract agreements shall preserve and protect the rights of Owner under the Contract Documents so that subcontracting will not prejudice such rights. To the extent of the Work to be performed by a Subcontractor, Contractor shall require the Subcontractor’s written agreement (1) to be bound to the terms of Contract Documents and (2) to assume vis-à-vis Contractor all the obligations and responsibilities that Contractor assumes toward Owner under the Contract Documents. (These agreements include for example, and not by way of limitation, all warranties, claims procedures and rules governing submittals of all types to which Contractor is subject under the Contract Documents.)
B. Contractor shall provide for the assignment to Owner of all rights any Subcontractor (of any tier) may have against any manufacturer, supplier, or distributor for breach of warranties and guarantees relating to the Work performed by the Subcontractor under the Contract Documents. Subcontracts shall provide and acknowledge Owner as an intended third-party beneficiary of each subcontract and supply contract (of any tier).

ARTICLE 4 - DRAWINGS AND SPECIFICATIONS

4.01 Intent Of Drawings And Specifications
A. Contractor shall interpret words or phrases used to describe Work (including services), materials, or equipment that have well-known technical or construction industry or trade meaning in accordance with that meaning. Drawings’ intent specifically includes the intent to depict construction that complies with all applicable laws, codes and standards.
B. As part of the “Work,” Contractor shall provide all labor, materials, equipment, machinery, tools, facilities, services, employee training and testing, hoisting facilities, Shop Drawings, storage, testing, security, transportation, disposal, the securing of all necessary or required field dimensions, the cutting or patching of existing materials, notices, permits, documents, reports, agreements and any other items required or necessary to timely and fully complete Work described and the results intended by Contract Documents and, in particular, Drawings and Specifications. Divisions and Specification Sections and the identification on any Drawings shall not control Contractor in dividing Work among Subcontractors or suppliers or delineating the Work to be performed by any specific trade.
C. Contractor shall perform reasonably implied parts of Work as “incidental work” although absent from Drawings and Specifications. Incidental work includes any work not shown on Drawings or described in Specifications that is necessary or normally or customarily required as a part of the Work shown on Drawings or described in Specifications. Incidental work includes any work necessary or required to make each installation satisfactory, legally operable, functional, and consistent with the intent of Drawings and Specifications or the requirements of Contract Documents. Contractor shall perform incidental work without extra cost to Owner. Incidental work shall be treated as if fully described in Specifications and shown on Drawings, and the expense of incidental work shall be included in price Bid and Contract Sum.

4.02 Checking Of Drawings And Specifications
A. Before undertaking each part of Work, Contractor shall carefully study and compare Contract Documents and check and verify pertinent figures shown in the Contract Documents and all
applicable field measurements. Contractor shall be responsible for any errors that might have been avoided by such comparison. Figures shown on Drawings shall be followed; Contractor shall not scale measurements. Contractor shall promptly report to Owner, in writing, any conflict, error, ambiguity or discrepancy that Contractor may discover. Contractor shall obtain a written interpretation or clarification from Owner before proceeding with any Work affected thereby. Contractor shall provide Owner with a follow-up correspondence every ten Days until it receives a satisfactory interpretation or clarification.

4.03 Interpretation Of Drawings And Specifications

A. A typical or representative detail on Drawings shall constitute the standard for workmanship and material throughout corresponding parts of Work. Where necessary, and where reasonably inferable from Drawings, Contractor shall adapt such representative detail for application to such corresponding parts of Work. The details of such adaptation shall be subject to prior approval by Owner. Repetitive features shown in outline on Drawings shall be in exact accordance with corresponding features completely shown.

B. Should any discrepancy appear or any misunderstanding arise as to the import of anything contained in Drawings and Specifications, or should Contractor have any questions or requests relating to Drawings or Specifications, Contractor shall refer the matter to Owner, in writing, with a copy to the Architect/Engineer. Owner will issue with reasonable promptness written responses, clarifications or interpretations as Owner may determine necessary, which shall be consistent with the intent of and be reasonably inferable from Contract Documents. Such written clarifications or interpretations shall be binding upon Contractor. If Contractor believes that a written response, clarification or interpretation justifies an adjustment in the Contract Sum or Contract Time, Contractor shall give Owner prompt written notice. If the parties are unable to agree to the amount or extent of the adjustment, if any, then Contractor shall perform the Work in conformance with Owner's response, clarification, or interpretation and may make a written claim for the adjustment as provided in Article 12.

C. The following general specifications shall apply wherever in the Specifications, or in any directions given by Owner in accordance with or supplementing Specifications, it is provided that Contractor shall furnish materials or manufactured articles or shall do Work for which no detailed specifications are shown. Materials or manufactured articles shall be of the best grade, in quality and workmanship, obtainable in the market from firms of established good reputation. If not ordinarily carried in stock, the materials or manufactured articles shall conform to industry standards for first class materials or articles of the kind required, with due consideration of the use to which they are to be put. Work shall conform to the usual standards or codes, such as those cited herein, for first class work of the kind required. Contractor shall specify in writing to Owner the materials to be used or Work to be performed under this Paragraph ten Business Days prior to furnishing such materials or performing such Work.

4.04 Use Of Drawings And Specifications.

A. Drawings, Specifications and other Contract Documents were prepared for use for Work of Contract Documents only. No part of Contract Documents shall be used for any other construction or for any other purpose except with the written consent of Owner. Any unauthorized use of Contract Documents is prohibited and at the sole liability of the user.

ARTICLE 5 - COMMENCEMENT OF THE WORK

5.01 Submission Of Required Schedules

A. Contractor shall submit to Owner in draft for review and discussion at the Preconstruction Conference, and in final prior to the first payment application, the following schedules:

1. Schedule of Values
2. Progress Schedule, and
B. No progress payment shall be due or owing to Contractor until such schedules are submitted to and acceptable to Owner and/or Architect/Engineer as meeting the requirements of the Contract Documents. In Owner’s sole discretion, Owner may elect to instead withhold a portion of any progress payment for unacceptable compliance with contract requirements for such schedules.

C. Owner’s acceptance of Contractor’s schedules will not create any duty of care or impose on Owner any responsibility for the sequencing, scheduling or progress of Work nor will it interfere with or relieve Contractor from Contractor’s full responsibility therefore.

5.02 Commencement Date Of Contract Time

A. The Contract Time will commence to run on the 60th Day after the issuance of the Notice of Award or, if a Notice to Proceed is given, on the date indicated in the Notice to Proceed.

B. Owner may give a Notice to Proceed at any time within 60 Days after the Notice of Award. Contractor shall not do any Work at the Site prior to the date on which the Contract Time commences to run.

ARTICLE 6 - CONTRACTOR’S ORGANIZATION AND EQUIPMENT

6.01 Contractor’s Legal Address

A. Address and facsimile number given in Contractor’s Bid are hereby designated as Contractor’s legal address and facsimile number. Contractor may change its legal address and facsimile number by notice in writing, delivered to Owner, which in conspicuous language advises Owner of a change in legal address or facsimile number, and which Owner accepts in writing. Delivery to Contractor’s legal address or depositing in any post office or post office box regularly maintained by the United States Postal Service, in a wrapper with postage affixed, directed to Contractor at legal address, or of any drawings, notice, letter or other communication, shall be deemed legal and sufficient service thereof upon Contractor. Facsimile to Contractor’s designated facsimile number of any letter, memorandum, or other communication on standard or legal sized paper, with proof of facsimile transmission, shall be deemed legal and sufficient service thereof upon Contractor.

6.02 Contractor’s Superintendents Or Forepersons

A. Contractor shall at all times be represented on Site by one or more superintendents or forepersons authorized and competent to receive and carry out any instructions that Owner may give, and shall be liable for faithful observance of instructions delivered to Contractor or to authorized representative or representatives on Site.

6.03 Proficiency In English

A. Supervisors, security guards, safety personnel and employees who have unescorted access to the Site shall possess proficiency in the English language in order to understand, receive and carry out oral and written communications or instructions relating to their job functions, including safety and security requirements.

6.04 Contractor’s And Subcontractors’ Employees

A. Contractor shall employ, and shall permit its Subcontractors to employ, only competent and skillful personnel to do Work. If Owner notifies Contractor that any of its employees, or any of its Subcontractors’ employees on Work is incompetent, unfaithful, disorderly or profane, or fails to observe customary standards of conduct or refuses to carry out any provision of the Contract Documents, or uses threatening or abusive language to any person on Work representing Owner, or violates sanitary rules, or is otherwise unsatisfactory, and if Owner requests that such person be discharged from Work, then Contractor or its Subcontractor shall immediately discharge such person from Work and the discharged person shall not be re-employed on the Work except with consent of Owner.

6.05 Contractor’s Use Of The Site
A. Contractor shall not make any arrangements with any person to permit occupancy or use of any land, structure or building within the limits of the Work, for any purpose whatsoever, either with or without compensation, in conflict with any agreement between Owner and any Owner, former Owner or tenant of such land, structure or buildings. Contractor may not occupy Owner-owned property outside the limit of the Work as indicated on the Drawings unless it obtains prior approval from Owner.

6.06 Contractor’s Site Office
A. Unless expressly provided otherwise in the Contract Documents, Contractor shall provide a site office staffed by a resident project manager or job superintendent.

ARTICLE 7 - OWNER’S ADMINISTRATION OF WORK
7.01 Owner’s Representative(s)
A. Owner’s Representative(s) will have limited authority to act on behalf of Owner as set forth in the Contract Documents.
B. Except as otherwise provided in these Contract Documents or subsequently identified in writing by Owner, Owner will issue all communications to Contractor through Owner’s Representative, and Contractor shall issue all communications to Owner through Owner’s Representative in a written document delivered to Owner.
C. Should any direct communications between Contractor and Owner’s consultants, architects or engineers not identified in Article 2 of Document 00 5200 (Agreement) occur during field visits or by telephone, Contractor shall immediately confirm them in a written document copied to Owner.

7.02 Owner’s Observation Of The Work
A. Work shall be performed under Owner’s general observation and administration. Contractor shall comply with Owner’s directions and instructions in accordance with the terms of Contract Documents, but nothing contained in these General Conditions shall be taken to relieve Contractor of any obligations or liabilities under the Contract Documents. Owner’s failure to review or, upon review, failure to object to any aspect of Work reviewed, shall not be deemed a waiver or approval of any non-conforming aspect of Work.
B. Subject to those rights specifically reserved in the Contract Documents, Owner will not supervise, or direct, or have control over, or be responsible for, Contractor’s means, methods, techniques, sequences or procedures of construction, or the safety precautions and programs incident thereto, or Contractor’s failure to comply with laws and regulations applicable to the furnishing or performance of Work. Owner will not be responsible for Contractor’s failure to perform or furnish the Work in accordance with Contract Documents.

7.03 Architect/Engineer’s Observation Of Work
A. Owner may engage an Architect/Engineer, an independent consultant or Project Manager (collectively for purposes of this Paragraph, “Project Manager/Architect”) to assist in administering the Work. If so engaged, Project Manager/Architect will advise and consult with Owner, but will have authority to act on behalf of Owner only to extent provided in the Contract Documents or as set forth in writing by Owner. Project Manager/Architect will not be responsible for and will not have control or charge of construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with Work. Project Manager/Architect will not be responsible for or have control over the acts or omissions of Contractor, Subcontractors or their agents or employees, or any other persons performing Work.
B. Project Manager/Architect may review Contractor’s Submittals, such as Shop Drawings, Product Data, and Samples, but only for conformance with design concept of Work and with information given in the Contract Documents.
C. Project Manager/Architect may visit the Site at intervals appropriate to stage of construction to become familiar generally with the progress and quality of Work and to determine in general if Work is proceeding in accordance with Contract Documents. Based on its observations, Project Manager/Architect may recommend to Owner that it disapproves or rejects Work that Project
Manager/Architect believes to be Defective or will not produce a complete Project that conforms to Contract Documents or will prejudice the integrity of the design concept of the completed Project as a functioning whole as indicated by Contract Documents. Owner will also have authority to require special inspection or testing of Work, whether or not the Work is fabricated, installed or completed.

D. Project Manager/Architect may conduct inspections to recommend to Owner the dates that Contractor has achieved Substantial Completion and Final Acceptance, and will receive and forward to Owner for review written warranties and related documents required by Contract Documents.

7.04 Owner’s And Architect/Engineer’s Exercise Of Contract Responsibilities

A. Owner, Project Manager, Architect/Engineer and all Owner’s representatives, in performing their duties and responsibilities under the Contract Documents, accept no duties, responsibilities or duty of care, nor may the same be implied or inferred, towards Contractor, any Subcontractor, sub-Subcontractor or supplier, except those set forth expressly in the Contract Documents.

7.05 Owner’s Right Of Access To The Work

A. During performance of Work, Owner and its agents, consultants, and employees may at any time enter upon Work, shops or studios where any part of the Work may be in preparation, or factories where any materials for use in Work are being or are to be manufactured, and Contractor shall provide proper and safe facilities for this purpose, and shall make arrangements with manufacturers to facilitate inspection of their processes and products to such extent as Owner’s interests may require. Other contractors performing work for Owner may also enter upon Work for all purposes required by their respective contracts. Subject to the rights reserved in the Contract Documents, Contractor shall have sole care, custody, and control of the Site and its Work areas.

7.06 Owner’s Right Of Separate Construction

A. Owner may perform with its own forces, construction or operations related to the Project, or the Site during Contractor’s operations. Owner may also award separate contracts in connection with other portions of the Project or other construction or operations, on the Site or areas contiguous to the Site, under conditions similar to these Contract Documents, or may have utility Owners perform other work.

B. Contractor shall adjust its schedule and fully coordinate with and shall afford all other contractors, utility districts and Owner (if Owner is performing work with its own forces), proper and safe access to the Site, and reasonable opportunity for the installation and storage of their materials. Contractor shall ensure that the execution of its Work properly connects and coordinates with others’ work, do all cutting, fitting and patching of the Work that may be required to make its several parts come together properly and integrate with such other work, and shall cooperate with them to facilitate the progress of the Work.

C. To the extent that any part of Contractor’s Work is to interface with work performed or installed by other contractors or utility owners, Contractor shall inspect and measure the in-place work. Contractor shall promptly report to Owner in writing any defect in in-place work that will impede or increase the cost of Contractor’s interface unless corrected.

ARTICLE 8 - CONTRACTOR’S PROSECUTION AND PROGRESS OF THE WORK

8.01 Contractor To Supervise The Work

A. Subject to those rights specifically reserved in the Contract Documents, Contractor shall supervise, direct, have control over, and be responsible for, Contractor’s means, methods, techniques, sequences or procedures of construction, safety precautions and programs incident thereto, and compliance with laws and regulations applicable to the furnishing or performance of Work.

B. Contractor shall keep on the Site at all times during Work progress a competent resident Superintendent, who shall not be replaced without Owner’s express written consent. The
Superintendent shall be Contractor’s representative at the Site and shall have complete authority to act on behalf of Contractor. All communications to and from the Superintendent shall be as binding as if given to or by Contractor.

C. Contractor shall supervise, inspect, and direct Work competently and efficiently, devoting the attention and applying such personal skills and expertise as may be required and necessary to perform Work in accordance with Contract Documents. Contractor shall be solely responsible for and have control and charge of construction means, methods, techniques, sequences and procedures, safety precautions and programs in connection with the Work. Contractor shall be responsible to see that the completed Work complies accurately with Contract Documents.

D. Contractor is fully responsible for Contractor’s own acts and omissions. Contractor is responsible for all acts and omissions of its Subcontractors, suppliers, and other persons and organizations performing or furnishing any of the Work, labor, materials, or equipment under a direct or indirect contract with Contractor.

E. Contractor shall conduct monthly Contractor Safety Committee meetings, and weekly toolbox safety talks.

8.02 Contractor To Maintain Cost Data

A. Contractor shall maintain full and correct information as to the number of workers employed in connection with each subdivision of Work, the classification and rate of pay of each worker in form of certified payrolls, the cost to Contractor of each class of materials, tools and appliances used by Contractor in Work, and the amount of each class of materials used in each subdivision of Work. Contractor shall provide Owner with monthly summaries of this information. If Contractor maintains or is capable of generating summaries or reports comparing actual Project costs with Bid estimates or budgets, Contractor shall provide Owner with a copy of such report upon Owner’s request.

B. Contractor shall maintain daily job reports recording all significant activity on the job, including the number of workers on Site, Work activities, problems encountered and delays. Contractor shall provide Owner with copies for each Day Contractor works on the Project, to be delivered to Owner either the same Day or the following morning before starting work at the Site. Contractor shall take pre-construction and monthly progress photographs of all areas of the Work. Contractor shall maintain copies of all correspondence with Subcontractors and records of meetings with Subcontractors.

C. Owner shall have the right to audit and copy Contractor’s books and records of any type, nature or description relating to the Project (including but not limited to financial records reflecting in any way costs claimed on the Project), and to inspect the Site, including Contractor’s trailer, or other job Site office, and this requirement shall be contained in the subcontracts of Subcontractors working on Site. By way of example, Owner shall have the right to inspect and obtain copies of all Contract Documents, planning and design documents, Bid proposal and negotiation documents, cost records and job cost variance reports, design modification proposals, value engineering or other cost reduction proposals, revisions made to the original design, job progress reports, photographs, and as-built drawings maintained by Contractor. Owner and any other applicable governmental entity shall have the right to inspect all information and documents maintained hereunder at any time during the Project and for a period of five years following Final Completion, in accordance with the provisions of Section 8546.7 of the California Government Code. This right of inspection shall not relieve Contractor of its duties and obligations under the Contract Documents. This right of inspection shall be specifically enforceable in a court of law, either independently or in conjunction with enforcement of any other rights in the Contract Documents.

8.03 Contractor To Supply Sufficient Workers And Materials

A. Unless otherwise required by Owner under the terms of Contract Documents, Contractor shall at all times keep on the Site materials and employ qualified workers sufficient to prosecute Work at a rate and in a sequence and manner necessary to complete Work within the Contract Time. This obligation shall remain in full force and effect notwithstanding disputes or claims of any type.
B. At any time during progress of Work should Contractor directly or indirectly (through Subcontractors) refuse, neglect, or be unable to supply sufficient materials or employ qualified workers to prosecute the Work as required, then Owner may require Contractor to accelerate the Work and/or furnish additional qualified workers or materials as Owner may consider necessary, at no cost to Owner. If Contractor does not comply with the notice within three Business Days of date of service thereof, Owner shall have the right (but not a duty) to provide materials and qualified workers to finish the Work or any affected portion of Work, as Owner may elect. Owner may, at its discretion, exclude Contractor from the Site, or portions of the Site or separate work elements during the time period that Owner exercises this right. Owner will deduct from moneys due or which may thereafter become due under the Contract Documents, the sums necessary to meet expenses thereby incurred and paid to persons supplying materials and doing Work. Owner will deduct from funds or appropriations set aside for purposes of Contract Documents the amount of such payments and charge them to Contractor as if paid to Contractor. Contractor shall remain liable for resulting delay, including liquidated damages and indemnification of Owner from claims of others.

C. Exercise by Owner of the rights conferred upon Owner in this subparagraph is entirely discretionary on the part of Owner. Owner shall have no duty or obligation to exercise the rights referred to in this subparagraph and its failure to exercise such rights shall not be deemed an approval of existing Work progress or a waiver or limitation of Owner’s right to exercise such rights in other concurrent or future similar circumstances. (The rights conferred upon Owner under this subparagraph are, like all other such rights, cumulative to Owner’s other rights under any provision of the Contract Documents.)

8.04 Contractor To Maintain Project Record Documents

A. Contractor shall maintain in a safe place at the Site one record copy of all Drawings, Specifications, Addenda, Contract Modifications, Change Orders, Work Directives, Force Account orders, and written interpretations and clarifications in good order and annotated to show all as-built changes made during construction. These Project Record Documents, together with all approved Samples and a counterpart of all approved Shop Drawings, shall be maintained and available to Owner for reference. Upon completion of the Work, Contractor shall deliver to Owner, the Project Record Documents, Samples and Shop Drawings and as-built drawings.

B. Throughout Contractor’s performance of the Work of the Project, Contractor shall maintain construction records to include: shop drawings; product data/material data sheets; samples; submittal; purchases; materials; equipment; inspections; applicable handbooks; applicable codes and standards; maintenance and operating manuals and instructions; RFI Log; Submittal Log; other related documents and revisions which arise out of the Construction Contracts. Contractor shall maintain records of principal building layout lines, elevations for the bottom of footings, floor levels, and key site elevations (certified by a qualified surveyor or professional engineer). Contractor shall make all records available to Owner. At the completion of the Project, Contractor shall deliver all such records to the Owner to have a complete set of record as-built drawings.

8.05 Contractor To Not Disrupt Owner Operation

A. Contractor shall schedule and execute all Work in a manner that does not interfere with or disrupt Owner operations, including but not limited to, parking, utilities (electricity, gas, water), noise, access by employees and administration, access by vendors, physicians, patients and any other person or entity using Owner facilities or doing business with Owner. Contractor shall produce and supply coordination plans and requests to Owner, following Owner procedures, for all necessary interference of construction with Owner, which Owner will reasonably cooperate with.

8.06 Contractor To Provide Temporary Facilities And Controls

A. Unless expressly provided otherwise in the Contract Documents, Contractor shall provide all temporary utilities (including without limitation electricity, water, natural gas), lighting, heating, cooling and ventilating devices, telephone, sanitary facilities, barriers, fences and enclosures, tree and plant protection, fire protection, pollution, erosion, Storm Water Pollution Prevention controls,
ARTICLE 9 - WARRANTY, GUARANTY, AND INSPECTION OF WORK

9.01 Warranty And Guaranty

A. General Representations and Warranties: Contractor represents and warrants that it is and will be at all times fully qualified and capable of performing every Phase of the Work and to complete Work in accordance with the terms of Contract Documents. Contractor warrants that all construction services shall be performed in accordance with generally accepted professional standards of good and sound construction practices and all requirements of Contract Documents. Contractor warrants that Work, including but not limited to each item of materials and equipment incorporated therein, shall be new, of suitable grade of its respective kind for its intended use, and free from defects in design, engineering, materials, construction and workmanship. Contractor warrants that Work shall conform in all respects with all applicable requirements of federal, state and local laws, applicable construction codes and standards, licenses, and permits, Drawings and Specifications and all descriptions set forth therein, and all other requirements of Contract Documents. Contractor shall not be responsible, however, for the negligence of others in the specification of specific equipment, materials, design parameters and means or methods of construction where that is specifically shown and expressly required by Contract Documents.

B. Extended Guarantees: Any guarantee exceeding one year provided by the supplier or manufacturer of any equipment or materials used in the Project shall be extended for such term. Contractor expressly agrees to act as co-guarantor of such equipment and materials and shall supply Owner with all warranty and guarantee documents relative to equipment and materials incorporated in the Project and guaranteed by their suppliers or manufacturers.

C. Environmental and Toxics Warranty: The covenants, warranties and representations contained in this Paragraph are effective continuously during Contractor's Work on the Project and following cessation of labor for any reason including, but not limited to, Project completion. Contractor covenants, warrants and represents to Owner that:

1. To Contractor's knowledge after due inquiry, no lead or Asbestos-containing materials were installed or discovered in the Project at any time during Contractor's construction thereof. If any lead or Asbestos-containing materials were discovered, Contractor made immediate written disclosure to Owner.

2. To Contractor's knowledge after due inquiry, no electrical transformers, light fixtures with ballasts or other equipment containing PCBs are or were located on the Project at any time during Contractor's construction thereof.

3. To Contractor's knowledge after due inquiry, no storage tanks for gasoline or any other toxic substance are or were located on the Project at any time during Contractor's construction thereof. If any such materials were discovered, Contractor made immediate written disclosure to Owner.

4. Contractor's operations concerning the Project are and were not in violation of any applicable environmental federal, state, or local statute, law or regulation dealing with hazardous materials substances or toxic substances and no notice from any governmental body has been served upon Contractor claiming any violation of any such law, ordinance, code or regulation, or requiring or calling attention to the need for any Work, repairs, construction, alteration, or installation on or in connection with the Project in order to comply with any such laws, ordinances, codes, or regulations, with which Contractor has not complied. If there are any such notices with which Contractor has complied, Contractor shall provide Owner with copies thereof.

9.02 Inspection Of Work

A. Work and materials, and manufacture and preparation of materials, from beginning of construction until Final Completion and acceptance of Work, shall be subject to inspection and rejection by Owner, its agents, representatives or independent contractors retained by Owner to perform inspection services, or governmental agencies with jurisdictional interests. Contractor
shall provide them proper and safe conditions for such access and advise them of Contractor’s Site safety procedures and program so that they may comply therewith as applicable. Upon request or where specified, Owner shall be afforded access for inspection at the source of supply, manufacture or assembly of any item of material or equipment, with reasonable accommodations supplied for making such inspections.

B. Contractor shall furnish, in such quantities and sizes as may be required for proper examination and tests, Samples or test specimens of all materials to be used or offered for use in connection with Work. Contractor shall prepare Samples or test specimens at its expense and furnish them to Owner. Contractor shall submit all Samples in ample time to enable Owner to make any necessary tests, examinations, or analyses before the time it is desired to incorporate the material into the Work.

C. Contractor shall give Owner timely notice of readiness of Work for all required inspections, tests or approvals, and shall cooperate with inspection and testing personnel to facilitate required inspections or tests.

D. If applicable laws or regulations of any public body having jurisdiction require any Work (or part thereof) specifically to be inspected, tested or approved by an employee or other representative of such public body, Contractor shall assume full responsibility for arranging and obtaining such inspections, tests or approvals, and furnish Owner with the required certificates of inspection, or approval. Owner will pay the cost of initial testing and Contractor shall pay all costs in connection with any follow-up or additional testing. Contractor shall also be responsible for arranging and obtaining and shall pay all costs in connection with any inspections, tests or approvals required for the acceptance of materials or equipment to be incorporated in the Work, or of materials, mix designs, or equipment submitted for approval prior to Contractor’s purchase thereof for incorporation in the Work.

E. If Contractor covers any Work, or the work of others, prior to any required inspection, test or approval without written approval of Owner, Contractor shall uncover the Work at Owner’s request. Contractor shall bear the expense of uncovering Work and replacing Work. In any case where Contractor covers Work contrary to Owner’s request, Contractor shall uncover Work for Owner’s observation or inspection at Owner’s request. Contractor shall bear the cost of uncovering Work.

F. Whenever required by Owner, Contractor shall furnish tools, labor and materials necessary to make examination of Work that may be completed or in progress, even to extent of uncovering or taking down portions of finished Work. Should Work be found unsatisfactory, cost of making examination and of reconstruction shall be borne by Contractor. If Work is found to be satisfactory, Owner, in manner herein prescribed for paying for alterations, Modifications, and extra Work, except as otherwise herein specified, will pay for examination.

G. Inspection of the Work by or on behalf of Owner, or Owner’s failure to do so, shall not under any circumstances be deemed a waiver or approval of any non-conforming aspect of the Work. Contractor shall have an absolute duty, in the absence of a written Change Order signed by Owner, to perform Work in conformance with the Contract Documents and to immediately correct Defective Work immediately upon Contractor’s knowledge.

H. Any inspection, evaluation, or test performed by or on behalf of Owner relating to the Work is solely for the benefit of Owner, and shall not be relied upon by Contractor. Contractor shall not be relieved of the obligation to perform Work in accordance with the Contract Documents, nor relieved of any guaranty, warranty, or other obligation, as a result of any inspections, evaluations, or tests performed by Owner, whether or not such inspections, evaluations, or tests are permitted or required under the Contract Documents. Contractor shall be solely responsible for testing and inspecting Work already performed to determine whether such Work is in proper condition to receive later Work.

9.03 Correction Of Defective Work

A. Owner may direct Contractor to correct any Defective Work or remove it from the Site and replace it with Work that is not Defective and satisfactorily correct or remove and replace any damage to other Work or the work of others resulting from the correction or removal. Contractor shall be responsible for any and all claims, costs, losses and damages caused by or resulting from such
correction or removal. A Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work and the Contract Sum. If the parties are unable to agree to the amount of an appropriate decrease in the Contract Sum, Owner may decide the proper amount or, in its discretion may elect to leave the Contract Sum unchanged and deduct from monies due Contractor, all such claims, costs, losses and damages caused by or resulting from the correction or removal. If Contractor disagrees with Owner's calculations, it may make a claim as provided in Article 12 of this Document 00 7200. Owner’s rights under this Paragraph shall be in addition to any other rights it may have under the Contract Documents or by law.

B. If Contractor fails to supply sufficient skilled workers, suitable materials or equipment, or to furnish or perform the Work in such a way that the completed Work will conform to Contract Documents, Owner may order Contractor to replace any such Defective Work, or stop any portion of Work to permit Owner (at Contractor’s expense) to replace such Defective Work. These Owner rights are entirely discretionary on the part of Owner, and shall not give rise to any duty on the part of Owner to exercise the rights for the benefit of Contractor or any other party.

9.04 Acceptance And Correction Of Defective Work By Owner

A. Owner may in its sole discretion elect to accept Defective Work. Contractor shall pay all claims, costs, losses and damages attributable to Owner’s evaluation of and determination to accept such Defective Work. If Owner accepts any Defective Work prior to final payment, a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work and the Contract Sum. If the parties are unable to agree to the amount of an appropriate decrease in the Contract Sum, Owner may deduct from monies due Contractor, all claims, costs, losses, damages, expenses and liabilities attributable to the Defective Work. If Contractor disagrees with Owner's calculations, Contractor may make a claim as provided in Article 12 of this Document 00 7200. If Owner accepts any Defective Work after final payment, Contractor shall pay to Owner, an appropriate amount as determined by Owner.

B. Owner may correct and remedy deficiency if, after five Days’ written notice to Contractor, Contractor fails to correct Defective Work or to remove and replace rejected Work; or provide a plan for correction of Defective Work acceptable to Owner; or perform Work in accordance with Contract Documents. In connection with such corrective and remedial action, Owner may exclude Contractor from all or part of the Site; take possession of all or part of Work and suspend Contractor’s Work related thereto; take possession of all or part of Contractor’s tools, appliances, construction equipment and machinery at the Site; and incorporate in Work any materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere. Contractor shall allow Owner, its representatives, agents, employees, and other contractors and Project Manager/Architect's consultants’ access to the Site to enable Owner to exercise the rights and remedies under this Paragraph. Contractor shall be responsible for all claims, costs, losses, damages, expenses and liabilities incurred or sustained by Owner in exercising such rights and remedies. A Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to Work and the Contract Sum. If the parties are unable to agree to the amount of an appropriate decrease in the Contract Sum, Owner may deduct from monies due Contractor, all claims, costs, losses and damages caused by or resulting from the correction or removal. If Contractor disagrees with Owner's calculations, Contractor may make a claim as provided in Article 12.

9.05 Rights Upon Inspection, Correction Or Acceptance

A. Contractor shall not be allowed an extension of Contract Time because of any delay in the performance of Work attributable to the exercise by Owner of its rights and remedies under this Article. Where Owner exercises its rights under this Article, it retains and may still exercise all other rights it has by law or under the Contract Documents including, but not limited to, the right to terminate Contractor’s right to proceed with the Work under the Contract Documents for cause and/or make a claim or back charge where a Change Order cannot be agreed upon.

B. Inspection by Owner or its authorized agents or representatives shall not relieve Contractor of its obligation to have furnished material and workmanship in accordance with Contract Documents. Payment for Work completed through periodic progress payments, final payment or otherwise
shall not operate to waive Owner’s right to require full compliance with Contract Documents and shall in no way be deemed as acceptance of any defective Work paid therefor. Contractor’s obligation to complete the Work in accordance with Contract Documents shall be absolute, unless Owner agrees otherwise in writing.


A. In order that Owner may determine whether Contractor has complied or is complying with requirements of Contract Documents not readily enforceable through inspection and tests of Work and materials, Contractor shall at any time, when requested, submit to Owner properly authenticated documents or other satisfactory proofs of compliance with all applicable requirements.

B. Before commencing any portion of Work, Contractor shall inform Owner in writing as to time and place at which Contractor wishes to commence Work, and nature of Work to be done, in order that proper provision for inspection of Work may occur, and to assure measurements necessary for record and payment. Information shall be given to Owner a reasonable time in advance of time at which Contractor proposes to begin Work, so that Owner may complete necessary preliminary work without inconvenience or delay to Contractor.

9.07 Correction Period And Project Warranty Period:

A. If within one year after the date of Final Acceptance, or such longer period of time as may be prescribed by laws, regulations or by the terms of Contract Documents or any extended warranty or guaranty, any Work (completed or incomplete) is found to be Defective, Contractor shall promptly without cost to Owner and in accordance with Owner’s written instructions, correct such Defective Work. Contractor shall remove any Defective Work rejected by Owner and replace it with Work that is not Defective, and satisfactorily correct or remove and replace any damage to other Work or the work of others resulting therefrom. If Contractor fails to promptly comply with the terms of such instructions, or in an emergency where delay would cause serious risk of loss or damage, Owner may have the Defective Work corrected or the rejected Work removed and replaced. Contractor shall pay for all claims, costs, losses and damages caused by or resulting from such removal and replacement. Where Contractor fails to correct Defective Work, or defects are discovered outside the correction period, Owner shall have all rights and remedies granted by law.

B. In special circumstances where a part of the Work is occupied or a particular item of equipment is placed in continuous service before Final Acceptance of all the Work, the correction period for that part of Work or that item may start to run from an earlier date if so provided by Change Order.

C. Where Defective Work or rejected Work (and damage to other Work resulting therefrom) has been corrected, removed, or replaced under this provision after the commencement of the correction period, the correction period hereunder with respect to such Work shall be extended for an additional period of one year after such correction or removal and replacement has been satisfactorily completed.

9.08 No Waiver

A. Neither recordation of Final Acceptance nor final certificate for payment nor provision of the Contract nor partial or entire use or occupancy of premises by Owner shall constitute acceptance of Work not done in accordance with Contract Documents nor relieve Contractor of liability in respect to express warranties or responsibility for faulty materials or workmanship.

B. If, after installation, operation, or use of materials or equipment to be provided under Contract proves to be unsatisfactory to Owner, Owner shall have right to operate and use materials or equipment until said materials and equipment can, without damage to Owner, be taken out of service for correction or replacement. Period of use of Defective materials or equipment pending correction or replacement shall in no way decrease guarantee period required for acceptable corrected or replaced items of materials or equipment.

C. Nothing in the Contract Documents shall be construed to limit, relieve, or release Contractor’s, Subcontractors’, and equipment suppliers’ liability to Owner for damages sustained as result of
latent defects in materials or equipment caused by negligence of Contractor, its agents, suppliers, employees, or Subcontractors.

ARTICLE 10 - MODIFICATIONS OF CONTRACT DOCUMENTS

10.01 Owner’s Right To Direct Changed Work.

A. Owner may, without notice to the sureties and without invalidating the Contract, make changes in the Work (“Changed Work”), including without limitation: alterations, deviations, additions to, or deletions from Contract Documents; increase or decrease the quantity of any item or portion of the Work; expand, reduce or otherwise change the Contract Time; delete any item or portion of the Work; and require extra Work. Contractor shall perform such Work under applicable provisions of the Contract Documents, unless specifically provided otherwise at the time the change is ordered. In the case of any ordered extra Work, Owner reserves the right to furnish all or portions of associated labor, material, and equipment, which Contractor shall accept and use without payment for costs, markup, profit, or otherwise for such Owner-furnished labor, materials, and equipment.

B. If Changed Work is of such a nature as to increase or decrease the time or cost of any part of Work, price fixed in Contract shall be increased or decreased by amount as the Contractor and Owner may agree upon as reasonable and proper allowance for increase or decrease in cost of Work using the cost guidelines set forth in this Article, and absent such agreement, then as Owner may direct (with Contractor retaining its rights under Article 12 herein).

10.02 Required Documentation For Changed Work

A. Changes affecting the Contract Time or Contract Sum of the Work shall be set forth in a written Change Order or Change Directive that shall specify:

1. The Work performed in connection with the change to be made;
2. The amount of the adjustment of the Contract Sum, if any, and the basis for compensation for the Work ordered; and
3. The extent of the adjustment in the Contract Time, if any.

B. A Change Order or Change Directive will become effective when signed by Owner, notwithstanding that Contractor has not signed it. A Change Order will become effective without Contractor’s signature, provided Owner indicates same thereon (by indicating it as a “unilateral change order”).

C. All changes in any plans and specifications approved by any authority with jurisdiction may also require addenda or change orders approved by that authority.

D. Where Owner requests, a performance bond rider covering the changed Work must be executed and delivered to Owner before proceeding with the changed Work or shortly in time thereafter.

10.03 Procedures And Pricing Of Changed Work

A. Procedures for changed work and pricing of changed work, claims and all forms of extra compensation, are set forth in Section 01 2600 (Modification Procedures).

ARTICLE 11 - TIME ALLOWANCES

11.01 Time Allowances

A. Time is of the essence. Contract Time may only be changed by Change Order, and all time limits stated in the Contract Documents are to mean that time is of the essence.

11.02 Excusable Delay And Inexcusable Delay Defined.

A. Excusable Delay. Subject to the provisions on Notice of Delay below, Contract Time may be adjusted in an amount equal to the time lost due to:

1. Changes in the Work ordered by Owner (“Changes”);
2. Acts or neglect by Owner, Architect, any Owner Representative, utility owners or other contractors performing other work, not permitted or provided for in the Contract.
Documents, provided that Contractor has performed its responsibilities under the Contract Documents (including but not limited to pre-bid investigations) (“Acts or Neglect”); or

3. Fires, floods, epidemics, abnormal weather conditions beyond the parameters otherwise set forth in this Article, earthquakes, civil or labor disturbances, or acts of God (together, “force majeure events”), provided damages resulting therefrom are not the result of Contractor’s failure to protect the Work as required by Contract Documents (“Force Majeure”).

B. Inexcusable Delay. Contract Time shall not be extended for any period of time where Contractor (and/or any Subcontractor) is delayed or prevented from completing any part of the Work due to a cause that is within Contractor’s risk or responsibility under the Contract Documents. Delays attributable to or within the control of a Subcontractor, or its subcontractors, or supplier, are deemed delays within the control of Contractor.

C. Float. Float shall be treated as a Project resource. Contractor shall not be entitled to a time extension for impacts that consume float, but do not impact the critical path.

11.03 Notice Of Delay

A. Within seven Days of the beginning of any delay (excepting adverse weather delays), Contractor shall notify Owner in writing, by submitting a notice of delay that shall describe the anticipated delays resulting from the delay event in question. If Contractor requests an extension of time, Contractor shall submit a TIE within ten days of the notice of delay. Owner will determine all claims and adjustments in the Contract Time. No claim for an adjustment in the Contract Time will be valid and such claim will be waived if not submitted in accordance with the requirements of this subparagraph. In cases of substantial compliance with the seven-day notice requirement here (but not to exceed twenty-one days from the beginning of the delay event), Owner may in its sole discretion recognize a claim for delay accompanied with the proper TIE, provided Contractor also shows good faith and a manifest lack of prejudice to Owner from the late notice.

11.04 Compensable Time Extensions

A. Subject to other applicable provisions of the Contract Documents, Contractor may be entitled to adjustment in Contract Sum in addition to Contract Time for:

1. Excusable delay caused solely by Changes in the Work ordered by Owner, as provided above, and/or
2. Excusable delay caused solely by Acts or Neglect by Owner or other person, as provided above.

11.05 Non-Compensable Time Extensions

A. Subject to other applicable provisions of the Contract Documents, Contractor may be entitled to adjustment in Contract Time only, without adjustment in Contract Sum, for

1. Periods of excusable delay caused solely by weather or Force Majeure events as provided above in this Article, or
2. Periods of concurrent delay, where delay results from two or more causes, one of which is compensable (resulting from Changes or Acts or Neglect as set forth above in this Article), and the other of which is non-compensable or unexcusable, such as: acts or neglect of Contractor, Subcontractors or others for whom Contractor is responsible; other acts, omissions and conditions which would not entitle Contractor to adjustment in Contract Time; adverse weather; and/or actions of Force Majeure as provided above in this Article.

11.06 Adverse Weather

A. Adverse weather delays may be allowed only if the number of workdays of adverse weather exceeds the parameters listed or referenced immediately below in this subparagraph and Contractor proves that adverse weather actually caused delays to work on the critical path. Contractor shall give written notice of intent to claim an adverse weather day within one Day of the adverse weather day occurring.
B. Claims for extension of time for rain delay will not be granted unless the number of days work is prevented by rain exceeds 110% of the average number of rain days expected for the period of the Contract Time, based on the records of the National Oceanic & Atmospheric Administration (NOAA) weather station closest to the Project Site, as measured and reported by NOAA. (For example, for California, Oregon and Washington, these figures are contained in the "\textasciitilde >=0.10 inch" column at the applicable weather station’s “General Climate Summary Table” for “Precipitation” at http://www.wrcc.dri.edu/Climsum.html), pro-rated in the individual month Contractor starts and finishes Work. Delays due to adverse weather conditions will not be allowed for weather conditions that fall within these parameters.

C. In order to qualify as an adverse weather delay with respect to the foregoing parameters, (i.) daily rainfall must exceed .1 inch, and/or (ii.) daily snowfall must exceed 1.0 inch or more, at the NOAA station located closest to the Project site, as measured and reported by NOAA. Notwithstanding these allowances, Contractor shall at all times employ all available mitigation measures to enable Work to continue, Contractor shall take reasonable steps to mitigate potential weather delays, such as dewatering the Site, lime treatment, and covering Work and material that could be affected adversely by weather. Failure to do so shall be cause for Owner to not grant a time extension due to adverse weather, where Contractor could have avoided or mitigated the potential delay by exercising reasonable care.

D. Contractor shall include the foregoing precipitation parameters as a monthly activity in its progress schedule. As Work on the critical path is affected by precipitation, Contractor shall notify Owner and request that the days be moved to the affected activities. Any adverse weather days remaining shall be considered Project float available to either Owner or Contractor.

E. Adverse weather delay for precipitation shall be recognized for the actual period of time Contractor proves it was delayed by precipitation exceeding the specified parameters. For example, and not by way of limitation, if precipitation exceeding the specified parameters does not in fact delay Contractor’s progress on the critical path, then no time extension shall be recognized; and conversely, if Contractor proves to Owner’s satisfaction that precipitation exceeding the specified parameters causes delay to Contractor for a period longer than the number of precipitation days incurred (e.g., if it rains or snows during grading work), then Contractor shall be entitled to a time extension equal to the actual period of such delay.

F. During unfavorable weather, wet ground, or other unsuitable construction conditions, Contractor shall employ best practices to protect the Work, manage the construction site and rainwater during inclement weather. Persons performing the Work shall examine surfaces to receive their Work and shall report in writing to Contractor, with copy to Owner representative and the Architect conditions detrimental to the Work. Failure to examine and report discrepancies makes the Contractor responsible, at no increase in Contract Sum, for corrections Owner may require. Commencement of Work constitutes acceptance of surface.

11.07 Liquidated Damages

A. Time is of the essence. Execution of Contract Documents by Contractor shall constitute its acknowledgement that Owner will actually sustain damages in the form of Contract administration expenses (such as Project management and consultant expenses) in the amount fixed in the Contract Documents for each and every Day during which completion of Work required is delayed beyond expiration of time fixed for completion plus extensions of time allowed pursuant to provisions hereof.

B. Contractor and Owner agree that because of the nature of the Project, it would be impractical or extremely difficult to fix the amount of such actual damages incurred by Owner because of a delay in completion of all or any part of the Work. Contractor and Owner agree that specified measures of liquidated damages shall be presumed to be the amount of such damages actually sustained by Owner, and that because of the nature of the Project, it would be impracticable or extremely difficult to fix the actual damages.

C. Liquidated damages for delay shall cover administrative, overhead, interest on bonds, and general loss of public use damages suffered by Owner as a result of delay. Liquidated damages shall not cover the cost of completion of the Work, damages resulting from Defective Work, lost revenues or costs of substitute facilities, or damages suffered by others who then seek to recover
their damages from Owner (for example, delay claims of other contractors, subcontractors, tenants, or other third-parties), and defense costs thereof. Owner may deduct from any money due or to become due to Contractor subsequent to time for completion of entire Work and extensions of time allowed pursuant to provisions hereof, a sum representing then-accrued liquidated damages.

ARTICLE 12 - CLAIMS BY CONTRACTOR

12.01 Obligation to File Claims for Disputed Work
A. Should it appear to Contractor that the Work to be performed or any of the matters relative to the Contract Documents are not satisfactorily detailed or explained therein, or should any questions arise as to the meaning or intent of the Contract Documents, or should any dispute arise regarding the true value of any work performed, work omitted, extra work that the Contractor may be required to perform, time extensions, payment to the Contractor during performance of this Contract, performance of the Contract, and/or compliance with Contract procedures, or should Contractor otherwise seek extra time or compensation FOR ANY REASON WHATSOEVER, then Contractor shall first follow procedures set forth in the Contract (including but not limited to other Articles of this Document 00 7200 and Section 01 2600.) If a dispute remains, then Contractor shall give written notice to Owner that expressly invokes this Article 12. Owner shall decide the issue in writing within 15 days; and Owner's written decision shall be final and conclusive. If Contractor disagrees with Owner's decision, or if Contractor contends that Owner failed to provide a decision timely, then Contractor's SOLE AND EXCLUSIVE REMEDY is to promptly file a written claim setting forth Contractor's position as required herein.

12.02 Form And Contents Of Claim
A. Contractor's written claim must identify itself as a "Claim" under this Article 12 and must include the following: (1) a narrative of pertinent events; (2) citation to contract provisions; (3) theory of entitlement; (4) complete pricing of all cost impacts; (5) a time impact analysis of all time delays that shows actual time impact on the critical path; (6) documentation supporting items 1 through 5; a verification under penalty of perjury of the claim's accuracy. The Claim shall be submitted to Owner within thirty (30) calendar days of receiving Owner's written decision, or the date Contractor contends such decision was due, and shall be priced like a change order according to Section 01 2600, and must be updated monthly as to cost and entitlement if a continuing claim. Routine contract materials, for example, correspondence, RFI, Change Order requests, or payment requests shall not constitute a claim. Contractor shall bear all costs incurred in the preparation and submission of a claim.

12.03 Administration During/After Claim Submission
A. Owner may render a final determination based on the Claim or may in its discretion conduct an administrative hearing on Contractor's claim, in which case Contractor shall appear, participate, answer questions and inquiries, and present any further evidence or analysis requested by Owner prior to rendering a final determination. Should Owner take no action on the Claim within 45 days of submission, it shall be deemed denied.
B. Notwithstanding and pending the resolution of any claim or dispute, Contractor shall diligently prosecute the disputed work to final completion in accordance with Owner's determination.
C. After their submission, claims less than $375,000 shall also be subject to the Local Agency Disputes Act.

12.04 Compliance
A. The provisions of this Article 12 constitute a non-judicial claim settlement procedure that, pursuant to Section 930.2 of the California Government Code, shall constitute a condition precedent to submission of a valid Government Code Claim under the California Government Code. Contractor shall bear all costs incurred in the preparation, submission and administration of a claim. Any claims presented in accordance with the Government Code must affirmatively indicate Contractor's prior compliance with the claims procedure herein and the previous
dispositions under Paragraph 12.3 above of the claims asserted. Pursuant to Government Code Section 930.2, the one-year period in Government Code section 911.2 shall be reduced to 150 days from either accrual of the cause of action, substantial completion or termination of the contract, whichever occurs first; in all other respects, the Government Code shall apply unchanged.

B. Failure to submit and administer claims as required in Article 12 shall waive Contractor’s right to claim on any specific issues not included in a timely submitted claim. Claim(s) or issue(s) not raised in a timely protest and timely claim submitted under this Article 12 may not be asserted in any subsequent litigation, Government Code Claim, or legal action.

C. Owner shall not be deemed to waive any provision under this Article 12, if at Owner’s sole discretion, a claim is administered in a manner not in accord with this Article 12. Waivers or modifications of this Article 12 may only be made a signed change order approved as to form by legal counsel for both Owner and Contractor; oral or implied modifications shall be ineffective.

ARTICLE 13 - UNDERGROUND CONDITIONS

13.01 Contractor To Locate Underground Facilities.

A. During construction, Contractor shall comply with Government Code Sections 4216 to 4216.9, and in particular Section 4216.2 which provides, in part: “Except in an emergency, every person planning to conduct any excavation shall contact the appropriate regional notification center at least two working days, but no more than 14 calendar days, prior to commencing that excavation, if the excavation will be conducted in an area which is known, or reasonably should be known, to contain subsurface installations other than the underground facilities owned or operated by the excavator, and, if practical, the excavator shall delineate with white paint or other suitable markings the area to be excavated. The regional notification center shall provide an inquiry identification number to the person who contacts the center and shall notify any member, if known, who has a subsurface installation in the area of the proposed excavation.”

B. Contractor shall contact USA, and schedule the Work to allow ample time for the center to notify its members and, if necessary, for any member to field locate and mark its facilities. Contractor is charged with knowledge of all subsurface conditions reflected in USA records. Prior to commencing excavation or trenching work, Contractor shall provide Owner with copies of all USA records secured by Contractor. Contractor shall advise Owner of any conflict between information provided in Document 00 3000 (Geotechnical Data and Existing Conditions), the Drawings and that provided by USA records. Contractor’s excavation shall be subject to and comply with the Contract Documents.

C. Contractor shall also investigate the existence of existing service laterals, appurtenances or other types of utilities, indicated by the presence of an underground transmission main or other visible facilities, such as buildings, new asphalt, meters and junction boxes, on or adjacent to the Site, even if not shown or indicated in Document 00 3000 (Geotechnical Data and Existing Conditions), the Drawings or that provided by USA records. Contractor shall immediately secure all such available information and notify Owner and the utility owner, in writing, of its discovery.

13.02 Contractor To Protect Underground Facilities.

A. At all times during construction, all operating Underground Facilities shall remain in operation, unless the Contract Documents expressly indicate otherwise. Contractor shall maintain such Underground Facilities in service where appropriate; shall repair any damage to them caused by the Work; and shall incorporate them into the Work, including reasonable adjustments to the design location (including minor relocations) of the existing or new installations. Contractor shall take immediate action to restore any in service installations damaged by Contractor’s operations.

B. Prior to performing Work at the Site, Contractor shall lay out the locations of Underground Facilities that are to remain in service and other significant known underground installations indicated by the Underground Facilities Data. Contractor shall further locate, by carefully excavating with small equipment, potholing and principally by hand, all such utilities or installations that are to remain and that are subject to damage. If additional utilities whose locations are unknown are discovered, Contractor shall immediately report to Owner for
disposition of the same. Additional compensation or extension of time on account of utilities not shown or otherwise brought to Contractor’s attention, including reasonable action taken to protect or repair damage, shall be determined as provided in this Document 00 7200.

C. If during construction, an Underground Facility is uncovered or revealed at or contiguous to the Site which was not shown or indicated in the materials supplied by Owner for bidding or in information on file at USA or otherwise reasonably available to Contractor, then Contractor shall, promptly after becoming aware thereof and before further disturbing conditions affected thereby (and in no event later than seven Days), and prior to performing any Work in connection therewith (except in an emergency), identify the owner of such Underground Facility and give written notice to that owner and to Owner. During such time, Contractor shall be responsible for the safety and protection of such Underground Facility.

D. The cost of all of the following will be included in the Contract Sum and Contractor shall have full responsibility for (a) reviewing and checking all available information and data including, but not limited to, information made available for bidding and information on file at USA; (b) locating all Underground Facilities shown or indicated in the Contract Documents, available information, or indicated by visual observation including, but not limited to, and by way of example only, engaging qualified locating services and all necessary backhoeing and potholing; (c) coordination of the Work with the owners of such Underground Facilities during construction; and (d) the safety and protection of all such Underground Facilities and repairing any damage thereto resulting from the Work.

E. Consistent with California Government Code §4215, as between Owner and Contractor, Owner will be responsible for the timely removal, relocation, or protection of existing main or trunk line utility facilities located on the Site only if such utilities are not identified in the Contract Documents or information made available for bidding. Owner will compensate for the cost of locating and repairing damage not due to Contractor’s failure to exercise reasonable care, removing and relocating such main or trunk line utility facilities not indicated in the Contract Documents or information made available for bidding with reasonable accuracy, and equipment on the Project necessarily idled during such Work. Contractor shall not be assessed liquidated damages for delay in completion of the Project, when such delay was caused by the failure of Owner or the utility to provide for removal or relocation of such utility facilities.

13.03 Concealed Or Unknown Conditions

A. If either of the following conditions is encountered at Site when digging trenches or other excavations that extend deeper than four feet below the surface, Contractor shall give a written Notice of Differing Site Conditions to Owner promptly before conditions are disturbed, except in an emergency as set forth in this Document 00 7200, and in no event later than seven Days after first observance of:

1. Subsurface or Latent physical conditions which differ materially from those indicated in the Contract Documents; or
2. Unknown physical conditions of an unusual nature or which differ materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents.

B. In response to Contractor’s Notice of Differing Site Conditions under this Paragraph, Owner will investigate the identified conditions, and if they differ materially and cause increase or decrease in Contractor’s cost of, or time required for, performance of any part of the Work, Owner will negotiate the appropriate change order following the procedures set forth in the Contract Documents. If Owner determines that physical conditions at the Site are not Latent or are not materially different from those indicated in Contract Documents or that no change in terms of the Contract Documents is justified, Owner will so notify Contractor in writing, stating reasons (with Contractor retaining its rights under Article 12 of this Document 00 7200.)

C. Contractor shall not be entitled to any adjustment in the Contract Sum or Contract Time regarding claimed Latent or materially different Site conditions (whether above or below grade) if Contractor knew or should have known of the existence of such conditions at the time Contractor submitted
its Bid, failed to give proper notice, or relied upon information, conclusions, opinions or
deductions of the kind that the Contract Documents preclude reliance upon.

D. Regarding Underground Facilities, Contractor shall be allowed an increase in the Contract Sum
or an extension of the Contract Time, or both, to the extent that they are attributable to the
existence of any Underground Facility that is owned and was built by Owner only where the
Underground Facility:

1. Was not shown or indicated in the Contract Documents or in the information supplied for
   bidding purposes or in information on file at USA; and
2. Contractor did not know of it; and
3. Contractor could not reasonably have been expected to be aware of it or to have
   anticipated it from the information available. (For example, if surface conditions such as
   pavement repairs, valve covers, or other markings, indicate the presence of an
   Underground Facility, then an increase in the Contract Sum or an extension of the Contract
   Time will not be due, even if the Underground Facility was not indicated in the Contract
   Documents, in the information supplied to Contractor for bidding purposes, in information
   on file at USA, or otherwise reasonably available to Contractor.)

E. Contractor shall bear the risk that Underground Facilities not owned or built by Owner may differ
in nature or locations shown in information made available by Owner for bidding purposes, in
information on file at USA, or otherwise reasonably available to Contractor. Underground
Facilities are inherent in construction involving digging of trenches or other excavations on
Owner’s Project, and Contractor is to apply its skill and industry to verify the information available.

F. Contractor’s compensation for claimed Latent or materially different Site conditions shall be
limited to the actual, reasonable, incremental increase in cost of that portion of the Work, resulting
from the claimed Latent or materially different Site conditions. Such calculation shall take into
account the estimated value of that portion of the Work and the actual value of that portion of the
Work, using for guidance Contractor’s or its subcontractor’s bid amount and actual amounts
incurred for that portion of the Work and the reasonable expectation (if any) of differing or difficult
site conditions in the Work area based on the available records and locale of the Work. For
example, if Contractor excavates in an area unexpected, then such costs would be recoverable
entirely; while if Contractor extends an existing excavation, then such costs would be recoverable
if the resulting excavation costs in that work area exceeded the reasonable expectations
therefore.

13.04 Notice Of Hazardous Waste Or Materials Conditions

A. Contractor shall give a written Notice of Hazardous Materials Condition to Owner promptly, before
any of the following conditions are disturbed (except in an emergency as set forth in this
Document 00 7200), and in no event later than 24 hours after first observance of any:

1. Material that Contractor believes may be hazardous waste or hazardous material, as
defined in Section 25117 of the Health and Safety Code (including, without limitation,
Asbestos, lead, PCBs, petroleum and related hydrocarbons, and radioactive material) that
is required to be removed to a Class I, Class II, or Class III disposal site in accordance with
provisions of existing law (“hazardous material”); or
2. Other material that may present an imminent substantial danger to persons or property
exposed thereto in connection with Work at the Site (“other materials”).

B. Except as otherwise provided in the Contract Documents or as provided by applicable law,
Contractor shall not be required to give any notice for the disturbance or observation of any such
hazardous materials or other materials where such matter is disturbed or observed as part of the
scope of Work under the Contract Documents (such as hazardous waste or hazardous material
investigation, remediation or disposal activities which are identified as the subject of Work under
the Contract Documents), where Contractor complies with all requirements in the Contract
Documents and applicable law respecting such materials.

C. Contractor’s Notice of Hazardous Materials Condition shall indicate whether the hazardous
materials or other materials were shown or indicated in the Contract Documents to be within the
D. Contractor shall not be entitled to any adjustment in the Contract Sum or Contract Time regarding claimed hazardous waste or materials if:

1. Contractor knew of the existence of such hazardous materials or other materials at the time Contractor submitted its Bid; or
2. Contractor should have known of the existence of such hazardous material or other materials as a result of its having the responsibility to obtain additional or supplementary examinations, investigation, explorations, tests, studies, and data concerning the conditions at or contiguous to the Site prior to submitting its Bid; or
3. Contractor failed to give the written notice within the required timeframe set forth below.

E. If Owner determines that conditions involve hazardous materials or other materials and that a change in Contract Document terms is justified, Owner will issue either a Request for Proposal or Construction Change Directive under the procedures described in the Contract Documents. If Owner determines that conditions do not involve hazardous materials or other materials or that no change in Contract Document terms is justified, Owner will notify Contractor in writing, stating the reasons for its determination.

F. In addition to the parties’ other rights under this Document 00 7200, if Contractor does not agree to resume Work based on a reasonable belief that it is unsafe, or does not agree to resume Work under special conditions, Owner may order the disputed portion of Work deleted from the Work, or performed by others, or Owner may invoke its right to terminate Contractor’s right to proceed under the Contract Documents in whole or in part, for convenience or for cause as the facts may warrant.

G. If Contractor does not agree with any Owner determination of any adjustment in the Contract Sum or Contract Time under this Article, Contractor may make a claim as provided in Article 12 of this Document 00 7200.

ARTICLE 14 - LEGAL AND MISCELLANEOUS

14.01 Laws And Regulations

A. Contractor shall keep fully informed of and shall comply with all laws, ordinances, regulations and orders of any properly constituted authority affecting the Contract Documents, Work and persons connected with Work, and shall protect and indemnify Owner and its officers, employees, consultants and agents against any claim or liability, including attorney’s fees, arising from or based on violation of law, ordinance, regulation or order, whether by Contractor or by Subcontractors, employees or agents. Authorized persons may at any time enter upon any part of Work to ascertain compliance of all applicable laws, ordinances, regulations and orders.

14.02 Permits And Taxes

A. Contractor shall procure all permits and licenses applicable to the Work (including environmental matters to the extent applicable); pay all charges and fees, including fees for street opening permits; comply with, implement and acknowledge effectiveness of all permits; initiate and cooperate in securing all required notifications or approvals therefore; and give all notices necessary and incident to due and lawful prosecution of Work, unless otherwise provided herein. Owner will pay applicable building permits, sanitation and water fees for the completed construction, except as otherwise provided in the Contract Documents. Contractor shall pay all sales and/or use taxes levied on materials, supplies, or equipment purchased and used on or incorporated into Work, and all other taxes properly assessed against equipment or other property used in connection with Work, without any increase in the Contract Sum. Contractor shall make necessary arrangements with proper authorities having jurisdiction over roads, streets, pipelines, navigable waterways, railroads, and other works in advance of operations, even where Owner may have already obtained permits for the Work.

14.03 Communications And Information Distribution
A. All communications recognized under the Contract Documents shall be in writing, in the form of a serialized document, by type of communication. For example, RFI’s shall be serialized beginning with RFI No. 1; payment applications shall be serialized beginning with Payment Application No. 1, submittals shall be serialized per specification section and transmitted with transmittal sheets beginning with Transmittal No. 1; and correspondence shall be serialized beginning with letter No. 1. Contractor may propose other record management and identification systems or protocols, intended to facilitate orderly transmittal of project information, storage and retrieval of such information, which Owner will review consistent with these stated objectives, and accept or reject in its sole discretion.

B. Documents Requiring Signatures. All documents requiring signatures for approval prior to implementing action, as stipulated in other portions of Contract Documents, shall require a manually signed, serialized letter delivered to the other party at its address for notice otherwise specified in the Contract Documents, either personally or by mail.

C. Electronic data transfer of such correspondence will serve to expedite preliminary concurrence of information, only. Receipt of “hard copy” signature on forms is required prior to implementing action or work as the conditions may require. For example, change orders and authorizations for extra cost, require signatures. A party may acknowledge receipt of PDF copies of required correspondence by e-mail, but in the absence of such acknowledgment, mail or personal delivery is required.

D. All emails shall be copied to Owner’s and Contractor’s Project Representative. Owner reserves the right to preclude e-mail communication, in whole or in part, as Project needs may require. Communication between Owner and Contractor shall not be via Twitter, Facebook, or other types of instant text message systems. Any such communications shall be inadmissible for any purpose related to this Contract.

14.04 Suspension Of Work

A. Owner may, without cause, order Contractor in writing to suspend, delay or interrupt Work in whole or in part for such period of time as Owner may determine. An adjustment shall be made for increases in cost of performance of Work of the Contract Documents caused by any such suspension, delay or interruption, calculated using the measures set forth in Section 01 2600 (Modification Procedures). No adjustment shall be made to extent that performance is, was or would have been so suspended, delayed or interrupted by another cause for which Contractor is responsible.

14.05 Termination Of Contract For Cause

A. The Contractor shall be in default of the Contract Documents and Owner may terminate the Contractor's right to proceed under the Contract Documents, for cause, in whole or in part, should the Contractor commit a material breach of the Contract Documents and not cure such breach within ten (10) calendar days of the date of notice from Owner to the Contractor demanding such cure; or, if such breach is curable but not curable within such ten (10) day period, within such period of time as is reasonably necessary to accomplish such cure. (In order for the Contractor to avail itself of a time period in excess of 10 calendar days, the Contractor must provide Owner within the ten (10) day period with a written plan acceptable to Owner that demonstrates actual resources, personnel and a schedule to promptly to cure said breach, and then diligently commence and continue such cure according to the written plan).

B. In the event of termination by Owner for cause as provided herein, the Contractor shall deliver to Owner possession of the Work in its then condition, including but not limited to, all designs, engineering, Project records, cost data of all types, plans and specifications and contracts with vendors and subcontractors, all other documentation associated with the Project, and all construction supplies and aids dedicated solely to performing the Work which, in the normal course of construction, would be consumed or only have salvage value at the end of the construction period. The Contractor shall remain fully liable for the failure of any Work completed and materials and equipment provided through the date of such termination to comply with the provisions of the Contract Documents. The provisions of this Section shall not be interpreted to diminish any right which Owner may have to claim and recover damages for any breach of the
C. In the event a termination for cause is later determined to have been made wrongfully or without cause, then the termination shall be treated as a termination for convenience, and the Contractor shall have no greater rights than it would have had following a termination for convenience. Any Contractor claim arising out of a termination for cause shall be made in accord with Article 12 herein. No other loss, cost, damage, expense or liability may be claimed, requested or recovered by the Contractor.

14.06 Termination Of Contract For Convenience

A. Owner may terminate performance of the Work under the Contract Documents in accordance with this clause in whole, or from time to time in part, whenever Owner shall determine that termination is in Owner’s best interest. Termination shall be effected by Owner delivering to the Contractor notice of termination specifying the extent to which performance of the Work under the Contract Documents is terminated, and the effective date of the termination.

B. Contractor shall comply strictly with Owner’s direction regarding the effective date of the termination, the extent of the termination, and shall stop work on the date and to the extent specified.

C. Contractor shall be entitled to a total payment on account of the Contract work so terminated measured by (i.) the actual cost to Contractor of Work actually performed, up to the date of the termination, with profit and overhead limited to twelve percent (12%) of actual cost of work performed, up to but not exceeding the actual contract value of the work completed as measured by the Schedule of Values and Progress Schedule, (ii.) offset by payments made and other contract credits. In connection with any such calculation, however, Owner shall retain all rights under the Contract Documents, including but not limited to claims, indemnities, or setoffs.

D. Under no circumstances may Contractor recover legal costs of any nature, nor may Contract recover costs incurred after the date of the termination.

14.07 Contingent Assignment Of Subcontracts

A. Contractor hereby assigns to Owner each Subcontract for a portion of the Work, provided that:

1. The assignment is effective only after Owner’s termination of Contractor’s right to proceed under the Contract Documents (or portion thereof relating to that Subcontract) as set forth herein.

2. The assignment is effective only for the Subcontracts which Owner expressly accepts by notifying the Subcontractor in writing;

3. The assignment is subject to the prior rights, if any, of the Surety, obligated by Document 00 6113.13 (Construction Performance Bond) provided under the Contract Documents, where the Surety exercises its rights to complete the Contract;

4. After the effectiveness of an assignment, Contractor shall, at its sole cost and expense (except as otherwise provided in this Document 00 7200), sign all instruments and take all actions reasonably requested by Owner to evidence and confirm the effectiveness of the assignment in Owner; and

5. Nothing in this Paragraph shall modify or limit any of Contractor’s obligations to Owner arising from acts or omissions occurring before the effectiveness of any Subcontract assignment, including but not limited to all defense, indemnity and hold-harmless obligations arising from or related to the assigned Subcontract.

14.08 Remedies And Contract Integration

A. Subject to Contract Documents provisions regarding Contractor claims, claim review, and claim resolution, and subject to the limitations therein, the exclusive jurisdiction and venue for resolving all claims, counter claims, disputes and other matters in question between Owner and Contractor arising out of or relating to Contract Documents, any breach thereof or the Project shall be the applicable court of competent jurisdiction located in the State and County where the Project is located. All Owner remedies provided in the Contract Documents shall be taken and construed
as cumulative and not exclusive; that is, in addition to each and every other remedy herein provided; and in all instances Owner shall have any and all other equitable and legal rights and remedies which it would have according to law.

B. The Contract Documents, any Contract Modifications and Change Orders, shall represent the entire and integrated agreement between Owner and Contractor regarding the subject matters hereof and thereof and shall constitute the exclusive statement of the terms of the parties' agreement. The Contract Documents, and any Contract Modifications and Change Orders, shall supersede any and all prior negotiations, representations or agreements, written or oral, express or implied, that relate in any way to the subject matter of the Contract Documents or written Modifications. Owner and Contractor represent and agree that, except as otherwise expressly provided in the Contract Documents, they are entering into the Contract Documents and any subsequent written Modification in sole reliance upon the information set forth or referenced in the Contract Documents or Contract Modifications; the parties are not and will not rely on any other information, which shall be inadmissible in any proceeding to enforce these documents.

C. Either party’s waiver of any breach or failure to enforce any of the terms, covenants, conditions or other provisions of the Contract Documents at any time shall not in any way affect, limit, modify or waive that party’s right thereafter to enforce or compel strict compliance with every term, covenant, condition or other provision hereof, any course of dealing or custom of the trade or oral representations notwithstanding.

D. Neither acceptance of the whole or any part of Work by Owner nor any verbal statements on behalf of Owner or its authorized agents or representatives shall operate as a waiver or modification of any provision of the Contract Documents, or of any power reserved to Owner herein nor any right to damages provided in the Contract Documents.

14.09 Interpretation.

A. Should any part, term or provision of this Agreement or any of the Contract Documents, or any document required herein or therein to be executed or delivered, be declared invalid, void or unenforceable, all remaining parts, terms and provisions shall remain in full force and effect and shall in no way be invalidated, impaired or affected thereby. If the provisions of any law causing such invalidity, illegality or unenforceability may be waived, they are hereby waived to the end that this Agreement and the Contract Documents may be deemed valid and binding agreements, enforceable in accordance with their terms to the greatest extent permitted by applicable law. In the event any provision not otherwise included in the Contract Documents is required to be included by any applicable law, that provision is deemed included herein by this reference (or, if such provision is required to be included in any particular portion of the Contract Documents, that provision is deemed included in that portion).

B. Contract Documents shall not be construed to create a contractual relationship of any kind between (1) Project Manager or any Owner’s representative and Contractor; (2) Owner and/or its Representatives and a Subcontractor, sub-Subcontractor, or supplier of any Project labor, materials, or equipment; or (3) between any persons or entities other than Owner and Contractor.

14.10 Patents

A. Fees or claims for any patented invention, article or arrangement that may be used upon or in any manner connected with performance of the Work or any part thereof shall be included in the Bid price for doing the Work. Contractor shall defend, indemnify and hold harmless Owner and each of its officers, employees, consultants and agents, including, but not limited to, the Board and each Owner’s Representative, from all damages, claims for damages, costs or expenses in law or equity, including attorney’s fees, arising from or relating to any claim that any article supplied or to be supplied under the Contract Documents infringes on the patent rights, copyright, trade name, trademark, service mark, trade secret or other intellectual property right of any person or persons or that the person or entity supplying the article does not have a lawful right to sell the same. Such costs or expenses for which Contractor agrees to indemnify and hold harmless the above indemnities include but are not limited to any and all license fees, whether such fees are agreed by any indemnitee or ordered by a court or administrative body of any competent jurisdiction.

14.11 Substitution For Patented And Specified Articles
A. Except as noted specifically in the instructions to Bidders or in Contract Documents, whenever in Specifications, material or process is designated by patent or proprietary name or by name of manufacturer, such designation shall be deemed to be used for purpose of facilitating description of material and process desired, and shall be deemed to be followed by the words "or Approved Equal" and Contractor may offer any substitute material or process that Contractor considers "equal" in every respect to that so designated and if material or process offered by Contractor is, in opinion of Owner, Equal in every respect to that so designated, its use will be approved. However, Contractor may utilize this right only by timely submitting Document 00 6325 (Substitution Request Form) as provided in Document 00 2000 (Instructions to Bidders). A substitution will be approved only if it is a true "or equal" item in every aspect of its design and quality, including but not limited to its dimensions, weights, service requirements, durability, functioning, impact on contiguous construction elements, overall schedule and design.

14.12 Interest Of Public Officers
A. No representative, officer, or employee of Owner no member of the governing body of the locality in which the Project is situated, no member of the locality in which Owner was activated, and no other public official of such locality or localities who exercises any functions or responsibilities with respect to the Project, during the tenure of the official or for one year thereafter, shall, as principal, agent, attorney or otherwise, be directly or indirectly interested, in the Contract Documents or the proceeds thereof.

14.13 Limit Of Liability
A. OWNER, AND EACH OF ITS OFFICERS, BOARD MEMBERS, EMPLOYEES, CONSULTANTS AND AGENTS INCLUDING, BUT NOT LIMITED TO, PROJECT MANAGER AND EACH OTHER OWNER REPRESENTATIVE, SHALL HAVE NO LIABILITY TO CONTRACTOR FOR SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES, EXCEPT TO THE LIMITED EXTENT THAT THESE CONTRACT DOCUMENTS OR APPLICABLE PUBLIC CONTRACTING STATUTES MAY SPECIFY THEIR RECOVERY.

ARTICLE 15 - WORKING CONDITIONS AND PREVAILING WAGES
15.01 Use Of Site/Sanitary Rules
A. All portions of the Work shall be maintained at all times in neat, clean and sanitary condition. Contractor shall furnish toilets for use of Contractor’s and Subcontractors' employees on the Site where needed, and their use shall be strictly enforced. All toilets shall be properly secluded from public observation, and shall be located, constructed and maintained subject to Owner’s approval.

B. Contractor shall confine construction equipment, the storage of materials and equipment and the operations of workers to the Site and land areas identified in and permitted by Contract Documents and other land and areas permitted by applicable laws and regulations, rights of way, permits and easements or as designated by Owner, and shall not unreasonably encumber the premises with construction equipment or other materials or equipment. Contractor shall assume full responsibility for any damage to any such land or area, any improvement located thereon, or to Owner or occupant thereof resulting from the performance of Work.

C. During the progress of the Work, Contractor shall keep the Site and the Project free from accumulations of waste materials, rubbish and other debris resulting from the Work. At the completion of the Work, Contractor shall clean the site, remove all waste materials, rubbish and debris from and about the Site as well as all tools, appliances, construction equipment and machinery and surplus materials. Contractor shall leave the premises clean and ready for occupancy by Owner at Substantial Completion of Work. Contractor shall restore to original condition all property not designated for alteration by Contract Documents.

D. Contractor shall not load nor permit any part of any structure or pavement to be loaded in any manner that will endanger the structure or pavement, nor shall Contractor subject any part of Work or adjacent property to stresses or pressures that will endanger it. Contractor shall conduct all necessary existing conditions investigation regarding structural, mechanical, electrical or any...
other system existing, shall perform Work consistent with such existing conditions, and shall have full responsibility for insufficiencies or damage resulting from insufficiencies of existing systems, equipment or structures to accommodate performing the Work.

15.02 Protection Of Work, Persons, And Property

A. Contractor shall be responsible for initiating, maintaining and supervising all safety and site security precautions and programs in connection with Work, and shall develop and implement a site security and safety plan throughout construction. Contractor shall comply with all safety requirements specified in any safety program established by Owner, or required by state, federal or local laws and ordinances. Contractor shall be responsible for all theft or damage to Work, property or structures, and all injuries to persons, either on the Site or constituting the Work (e.g., materials in transit), arising from the performance of Work of the Contract Documents from a cause.

B. Contractor shall comply with all applicable laws and regulations of any public body having jurisdiction for safety of persons or property or to protect them from damage, injury or loss; and shall erect and maintain all necessary safeguards for such safety and protection. Contractor shall notify Owners of adjacent property and of Underground Facilities and utility Owners when prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation and replacement of their property.

C. Contractor shall remedy all damage, injury or loss to any property referred to above in this Article, caused, directly or indirectly, in whole or in part, by Contractor, any Subcontractor, supplier, or any other person or organization directly or indirectly employed by any of them to perform or furnish any Work or anyone for whose acts any of them may be liable. Contractor’s duties and responsibility for safety and for protection of Work shall continue until such time as all the Work is completed and Final Acceptance of the Work. Owner and its agents do not assume any responsibility for collecting any indemnity from any person or persons causing damage to Contractor’s Work.

D. Contractor shall designate a qualified and experienced safety representative at the Site whose duties and responsibilities shall be the prevention of accidents and the maintaining and supervising of safety precautions and programs.

E. Owner may, at its option, retain such moneys due under the Contract Documents as Owner deems necessary until any and all suits or claims against Contractor for injury to persons or property shall be settled and Owner receives satisfactory evidence to that effect.

F. Work within the right-of-way lines of the city and/or Owner and/or State shall be done in accordance with the standards and specifications of the controlling agency. Permit for such work shall be obtained and paid for by the Contractor before executing the work within such right-of-ways.

15.03 Responsibility For Safety And Health

A. Contractor shall ensure that its and each tier of Subcontractors’ employees, agents and invitees comply with applicable health and safety laws while at the Site. These laws include the Occupational Safety and Health Act of 1970 and rules and regulations issued pursuant thereto, and Owner’s safety regulations as amended from time to time. Contractor shall comply with all Owner directions regarding protective clothing and gear.

B. Contractor shall be fully responsible for the safety of its and its Subcontractors’ employees, agents and invitees on the Site. Contractor shall notify Owner, in writing, of the existence of hazardous conditions, property or equipment at the Site that are not under Contractor’s control. Contractor shall be responsible for taking all the necessary precautions against injury to persons or damage to the property of Contractor, Subcontractors or persons from recognized hazards until the responsible party corrects the hazard.

C. Contractor shall confine all persons acting on its or its Subcontractors’ behalf to that portion of the Site where Work under the Contract Documents is to be performed, Owner-designated routes for ingress and egress thereto, and any other Owner-designated area. Except those routes for ingress and egress over which Contractor has no right of control, within such areas, Contractor
shall provide safe means of access to all places at which persons may at any time have occasion to be present.

15.04 Emergencies

A. In emergencies affecting the safety or protection of persons or Work or property at the Site or adjacent thereto, Contractor, without special instruction or authorization from Owner, is obligated to act to prevent threat and damage, injury or loss, until directed otherwise by Owner. Contractor shall give Owner prompt written notice if Contractor believes that any significant changes in Work or variations from Contract Documents have been caused thereby. If Owner determines that a change in the Contract Documents is required because of the action taken by Contractor in response to such an emergency, a Change Order or Construction Change Directive will be issued to document the consequences of such action.

15.05 Use Of Roadways And Walkways

A. Contractor shall not unnecessarily interfere with use of any roadway, walkway or other facility for vehicular or pedestrian traffic. Before beginning any interference and only with Owner's prior concurrence, Contractor may provide detour or temporary bridge for traffic to pass around or over the interference, which Contractor shall maintain in satisfactory condition as long as interference continues. Unless otherwise provided in the Contract Documents, Contractor shall bear the cost of these temporary facilities.

15.06 Nondiscrimination

A. No person or entity shall discriminate in the employment of persons upon public works because of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, marital status, sexual preference, or gender of such persons, except as provided in Section 12940 of the California Government Code. Every contractor for public works violating the provisions of Section 1735 of the California Labor Code is subject to all the penalties imposed for a violation of Chapter 1, Part 7, Division 2 of the California Labor Code.

15.07 Prevailing Wages And Working Hours

A. Contractor shall pay to persons performing labor in and about Work provided for in the Contract Documents an amount equal to or more than the general prevailing rate of per diem wages for (1) work of a similar character in the locality in which the Work is performed and (2) legal holiday and overtime work in said locality. The per diem wages shall be an amount equal to or more than the stipulated rates contained in a schedule that has been ascertained and determined by the Director of the State Department of Industrial Relations and Owner to be the general prevailing rate of per diem wages for each craft or type of workman or mechanic needed to execute this Contract. Contractor shall also cause a copy of this determination of the prevailing rate of per diem wages to be posted at each Site.

B. Contractor shall forfeit, as a penalty to Owner, Fifty Dollars ($50.00) for each laborer, workman, or mechanic employed in performing labor in and about the Work provided for in the Contract Documents for each Day, or portion thereof, that such laborer, workman or mechanic is paid less than the said stipulated rates for any Work done under the Contract Documents by him or her or by any Subcontractor under him or her, in violation of Articles 1 and 2 of Chapter 1 of Part 7 of Division II of the California Labor Code. The sums and amounts which shall be forfeited pursuant to this Paragraph and the terms of the California Labor Code shall be withheld and retained from payments due to Contractor under the Contract Documents, pursuant to this Document 00 7200 and the California Labor Code, but no sum shall be so withheld, retained or forfeited except from the final payment without a full investigation by either the State Department of Industrial Relations or by Owner. The Labor Commissioner pursuant to California Labor Code §1775 shall determine the final amount of forfeiture.

C. Contractor shall insert in every subcontract or other arrangement which Contractor may make for performance of Work or labor on Work provided for in the Contract, provision that Subcontractor shall pay persons performing labor or rendering service under subcontract or other arrangement not less than the general prevailing rate of per diem wages for work of a similar character in the
locality in which the Work is performed, and not less than the general prevailing rate of per diem wages for holiday and overtime work fixed in the California Labor Code.

D. Contractor stipulates that it shall comply with all applicable wage and hour laws, including without limitation, California Labor Code §§ 1776 and 1810-1815. Failure to so comply shall constitute a default under this Contract.

E. Contractor and its Subcontractors shall be responsible for compliance with Labor Code §§ 1810-1815.

1. Eight hours of labor performed in execution of the Contract constitutes a legal day’s work. The time of service of any workman employed on the Project is limited and restricted to 8 hours during any one calendar day, and 40 hours during any one calendar week.

2. Contractor and its Subcontractors shall keep an accurate record showing the name of and actual hours worked each calendar day and each calendar week by each worker employed by him or her in connection with the Project. The record shall be kept open at all reasonable hours to the inspection Owner and to the Division of Labor Standards Enforcement.

3. Contractor or its Subcontractors shall, as a penalty to Owner, forfeit twenty-five dollars ($25) for each worker employed in the execution of the Contract Documents by the respective Contractor or Subcontractor for each calendar day during which the worker is required or permitted to work more than 8 hours in any one calendar day and 40 hours in any one calendar week in violation of the provisions of Labor Code §§ 1810-1815.

4. Work performed on the Project by employees of Contractor or its Subcontractors in excess of 8 hours per day, and 40 hours during any one week, shall be permitted upon compensation for all hours worked in excess of 8 hours per day at not less than 1 1/2 times the basic rate of pay.

F. Contractor and its Subcontractors shall be responsible for compliance with Labor Code Section 1776.

1. Contractor and Subcontractors must keep accurate payroll records, showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker, or other employee employed by him or her in connection with the Work of the Contract Documents. Each payroll record shall contain or be verified by a written declaration as required by Labor Code Section 1776.

2. The payroll records enumerated above must be certified and shall be available for inspection at all reasonable hours at the principal office of the Contractor as required by Labor Code Section 1776.

a. Contractor shall inform Owner of the location of records enumerated above, including the street address, city and county, and shall, within five working days, provide a notice of a change of location and address.

b. Contractor or Subcontractor has 10 days in which to comply subsequent to receipt of a written notice requesting the records enumerated above. In the event that the Contractor or Subcontractor fails to comply with the ten-day period, he or she shall, as a penalty to Owner on whose behalf the contract is made or awarded, forfeit $25.00 for each calendar day, or portion thereof, for each worker, until strict compliance is effectuated. Upon the request of the Division of Apprenticeship Standards or the Division of Labor Standards Enforcement, these penalties shall be withheld from progress payments then due. Contractor is not subject to a penalty assessment pursuant to this Paragraph due to the failure of a Subcontractor to comply with this Paragraph.

3. Contractor shall also deliver certified payrolls to Owner with each Application for Payment as set forth above in this Document 00 7200 (General Conditions).

15.08 Environmental Controls
A. Contractor shall comply with all rules, regulations, ordinances, and statutes that apply to any Work performed under the Contract Documents including, without limitation, any toxic, water, stormwater management and soil pollution controls and air pollution controls specified in California Government Code §11017. Contractor shall be responsible for insuring that Contractor’s Employees, Subcontractors, and the public are protected from exposure to airborne hazards or contaminated water, soil, or other toxic materials used during or generated by activities on the Site or associated with the Project.

15.09 **Shoring Safety Plan**

A. Any conflict between this Paragraph and Division 2 of the Specifications shall be resolved in favor of the most stringent requirement.

B. At least five Days in advance of any excavation five feet or more in depth, Contractor shall submit to Owner a detailed plan showing the shoring, bracing and sloping design (including calculations) and other provisions to be made for worker protection from the hazard of caving ground during the excavation, as required by California Labor Code §6705. A civil or structural engineer registered in California shall prepare and sign any plan that varies from the shoring system standards established by the State Construction Safety Orders.

C. During the course of Work, Contractor shall be responsible for determining where sloping, shoring, and/or bracing is necessary and the adequacy of the design, installation, and maintenance of all shoring and bracing for all excavation, including any excavation less than five feet in depth. Contractor will be solely responsible for any damage or injuries that may result from excavating or trenching. Owner’s acceptance of any drawings showing the shoring or bracing design or Work schedule shall not relieve Contractor of its responsibilities under this Paragraph.

D. Appoint a qualified supervisory employee who shall be responsible to determine the sloping or shoring system to be used depending on local soil type, water table, stratification, depth, etc.

END OF DOCUMENT
LANEY COLLEGE REROOFING PROJECT

DOCUMENT 00 7300

LABOR COMPLIANCE PROGRAM

Contractor and Subcontractors are responsible for complying with each and every applicable prevailing wage law and the Owner’s Labor Compliance Program.

ARTICLE 1 - LABOR COMPLIANCE PROGRAM

1.01 In accordance with California Labor Code §1771.7, Owner has established a Labor Compliance Program. This Labor Compliance Program is applicable to construction projects using funds from the Kindergarten-University Public Education Facilities Bond Acts of 2002, 2004 or 2006.

1.02 Owner received initial approval for its Labor Compliance Program from the California Department of Industrial Relations on September 1, 2011.

1.03 All Contractors and Subcontractors providing workers or performing work on the Project shall comply with the Labor Compliance Program.

1.04 All Contractors and Subcontractors providing workers or performing work on the Project shall comply with all applicable wage and hour laws.

ARTICLE 2 - CONTACT INFORMATION

2.01 Owner’s Labor Compliance Program is administered by Padilla & Associates Inc., located at 1050 Marina Village Parkway, Suite 101-A, Alameda, CA 94501. (Compliance Administrator) The telephone number for the Compliance Administrator is Alex Dobrin, (310) 279-8830. All inquiries, questions or requests for assistance with regard to Owner’s Labor Compliance Program should be directed to the Compliance Administrator unless Owner directs otherwise.

ARTICLE 3 - WAGE RATES

3.01 Contractor shall post the applicable prevailing wage rates at each Project construction site.

ARTICLE 4 - NO DUTY TO CONTRACTOR OR SUBCONTRACTOR

4.01 The duty of Owner to carry out its Labor Compliance Program runs solely to the Director of the California Department of Industrial Relations and not to any worker, contractor, subcontractor or other party.

ARTICLE 5 - MANDATORY PRE-BID CONFERENCE

5.01 Owner shall conduct a Pre-Bid Conference at 9am on May 19, 2015 at PCCD Department of General Services, 333 East 8th Street, Oakland, CA 94606 to discuss federal and state labor law requirements applicable to the Project.

5.02 All Contractors must attend this Mandatory Pre-Job Conference and sign an attendance roster as a condition to participating in the Project.

ARTICLE 6 - PAYMENT OF PREVAILING WAGE RATES

6.01 Contractor shall pay to persons performing labor in and about Work provided for in the Contract Documents an amount equal to or more than the general prevailing rate of per diem wages for (1) work of a similar character in the locality in which the Work is performed and (2) legal holiday and overtime work in said locality. The per diem wages shall be an amount equal to or more than the stipulated rates contained in a schedule that has been ascertained and determined by the Director of the State Department of Industrial Relations and Owner to be the general prevailing
rate of per diem wages for each craft or type of workman or mechanic needed to execute this Contract.

6.02 Contractor shall insert in every subcontract or other arrangement which Contractor may make for performance of Work or labor on Work provided for in the Contract, a provision that each Subcontractor shall pay persons performing labor or rendering service under subcontract or other arrangement not less than the general prevailing rate of per diem wages for work of a similar character in the locality in which the Work is performed, and not less than the general prevailing rate of per diem wages for holiday and overtime work fixed in the California Labor Code.

6.03 The Contractor is responsible for ascertaining and complying with all current general prevailing wage rates for each craft, classification, or type of worker needed to execute the Contract including any rate changes that take effect during the term of the Contract.

6.04 The Contractor shall insert in every subcontract or other arrangement which Contractor may make for performance of Work or labor on Work provided for in the Contract, a provision that each Subcontractor shall ascertain and comply with all current general prevailing wage rates for each craft, classification, or type of worker needed to perform the Work, including any rate changes that take effect during the term of such contract.

6.05 The limited exemption from paying prevailing wage rates pursuant to California Labor Code §1771.5 shall be applied to this Contract if the exemption criteria set forth therein are met.

ARTICLE 7 - LABOR CODE COMPLIANT PAYROLL RECORDS

7.01 Contractor must maintain accurate payroll records showing the name, address, social security number and work classification of each employee and owner performing Work on the Project. Contractor’s payroll records shall also set forth the straight time and overtime hours worked each day and each week, the fringe benefits and the actual per diem wage paid to each owner, journeyperson, apprentice worker or other employee employed in connection with the Project.

7.02 Each of Contractor’s payroll record shall be verified by a written declaration that it is made under penalty of perjury and stating that the information contained in the payroll record is true and correct and that the Contractor has complied with the requirements of California Labor Code §§1771, 1811 and 1815 for any Work performed by the Contractor’s employees on the Project.

7.03 The Contractor shall insert in every subcontract or other arrangement which Contractor may make for performance of Work or labor on Work provided for in the Contract, a provision that each Subcontractor shall maintain accurate payroll records showing the name, address, social security number and work classification of each employee and owner performing Work on the Project. Subcontractor’s payroll records shall also set forth the straight time and overtime hours worked each day and each week, the fringe benefits and the actual per diem wage paid to each owner, journeyperson, apprentice worker or other employee employed in connection with the Project.

7.04 The Contractor shall insert in every subcontract or other arrangement which Contractor may make for performance of Work or labor on Work provided for in the Contract, a provision that each Subcontractor shall verified by a written declaration that it is made under penalty of perjury and stating that the information contained in the payroll record is true and correct and that the Subcontractor has complied with the requirements of California Labor Code §§1771, 1811 and 1815 for any Work performed by the Subcontractor’s employees on the Project.

ARTICLE 8 - PAYROLL RECORD AVAILABILITY

8.01 The Contractor shall make available for inspection at all reasonable hours at the principal office of the Contractor, or shall furnish a certified copy, of all Contractor’s payroll records for its employees employed in connection with the Work upon request by an employee, employee representative, Owner, the Compliance Administrator or any other Owner representative, The Division of Labor Standards.

8.02 The Contractor shall insert in every subcontract or other arrangement which Contractor may make for performance of Work or labor on Work provided for in the Contract, a provision that
each Subcontractor shall make available for inspection at all reasonable hours at the principal office of the Subcontractor, or shall furnish a certified copy of all Subcontractor’s payroll records for its employees employed in connection with the Work upon request by an employee, employee representative, Owner, the Compliance Administrator or any other Owner representative, The Division of Labor Standards.

8.03 If the principal office of the Contractor or Subcontractor is more than twenty-five miles from the Project site, upon request from Owner, the Compliance Administrator or any other Owner representative or a worker employee, Contractor or Subcontractor shall make a certified copy of all Contractor’s or Subcontractor’s payroll records for its employees employed in connection with the Work available for inspection at Owner’s office located at [address].

ARTICLE 9 - SUBMISSION OF WEEKLY PAYROLL RECORDS

9.01 Contractor shall submit to the Compliance Administrator a certified copy of all the Contractor’s payroll records for its employees employed in connection with the Work on a weekly basis. The certified payroll records for the preceding week shall be submitted on the Wednesday of the following week. In the event that a legal holiday falls on Wednesday, the certified payroll records shall be submitted on the next business day.

A. If there was no work performed during a given week, Contractor’s certified payroll record shall be annotated: “no work” for that week.
B. Contractor shall mark “final” on its last submitted payroll for the Project.

9.02 The Contractor shall insert in every subcontract or other arrangement which Contractor may make for performance of Work or labor on Work provided for in the Contract, a provision that each Subcontractor shall submit to the Compliance Administrator a certified copy of all the Subcontractor’s payroll records for its employees employed in connection with the Work on a weekly basis. The certified payroll records for the preceding week shall be submitted on the Wednesday of the following week. In the event that a legal holiday falls on Wednesday, the certified payroll records shall be submitted on the next business day.

A. If there was no work performed during a given week, Subcontractor’s certified payroll record shall be annotated: “no work” for that week.
B. Subcontractor shall mark “final” on its last submitted payroll for the Project.

ARTICLE 10 - AUDIT AND INVESTIGATION OF COMPLIANCE

10.01 Owner may conduct reasonable investigation of Contractor’s and/or Subcontractor’s compliance with the requirements of California Labor Code §§1771, 1775, 1777.5, 1811, 1813 and 1815 and any other applicable state or federal labor law. Not more than ten days after a written or oral request from Owner, Compliance Administrator or any other Owner representative, Contractor and/or Subcontractor shall provide legible copies of time cards, personnel sign in sheets, daily logs payroll registers, paycheck stubs, cancelled paychecks or any other document requested to authenticate or corroborate compliance with prevailing wage rate laws. Contractor and/or Subcontractor shall make the originals of the requested documents available for inspection upon request by Owner, the Compliance Administrator or any other Owner representative at all reasonable hours at the principal office of the Contractor or Subcontractor or if the principal office of the Contractor or Subcontractor is more than 25 miles from the Project site, at Owner’s office located at Department of General Services, 333 East 8th Street, Oakland, CA 94606.

10.02 Contractor and/or Subcontractor shall assist Owner, the Compliance Administrator or any other Owner representative with any investigation or audit of Contractor and/or Subcontractor regarding compliance with the prevailing wage rate laws.

10.03 Contractor and/or Subcontractor shall make its employees available for interviews by Owner, the Compliance Administrator or any other Owner representative.

10.04 Neither Contractor nor Subcontractor shall take retaliatory measures against any worker on the Project for informing Owner or Compliance Administrator or Owner representative of, or
responding to, any monitoring, investigation or audit of any violation or suspected violation of the prevailing wage rate laws.

10.05 Contractor shall insert in every subcontract or other arrangement which Contractor may make for performance of Work or labor on Work provided for in the Contract, the same terms as set forth in this Document 00 7300 Paragraphs 10 and each subpart thereto.

ARTICLE 11 - INADEQUATE OR DELINQUENT PAYROLL RECORDS

11.01 Payment under this Contract shall not be made when Contractor or Subcontractor payroll records are delinquent or inadequate.

11.02 Payroll records shall be considered delinquent if they are not submitted in compliance with Paragraph 9 of this Document 00 7300.

11.03 Payroll records shall also be considered delinquent if they are not submitted within ten days of any written request by Owner or Compliance Administrator or other Owner representative.

11.04 Payroll records shall be considered inadequate if one or more of the following conditions exists:

   A. The record lacks the information required by California Labor Code §1776; or
   B. The record contains the information required by California Labor Code §1776 but is not certified, or is certified by someone that is not an agent of the Contractor; or
   C. A nonconforming record remains uncorrected for one payroll period after Owner or its designee has given Contractor notice of inaccuracies detected by Owner or its designee.

ARTICLE 12 - NAME AND ADDRESS OF BONDING COMPANY

12.01 Contractor shall provide Owner with the name and address of any bonding company issuing a bond that secures the payment of wages by the Contractor. If the name or address of any such bonding company changes over the term of this Contract, Contractor shall provide the new name and/or address of the bonding company to Owner in writing within ten days of such change. The writing shall be clearly identified as “Notice of Change in Bonding Company For Payment of Wages.”

12.02 The Contractor shall insert in every subcontract or other arrangement which Contractor may make for performance of Work or labor on Work provided for in the Contract, a provision that each Subcontractor shall provide Owner with the name and address of any bonding company issuing a bond that secures the payment of wages by the Subcontractor. If the name or address of any such bonding company changes over the term of the Project, Subcontractor shall provide the new name and/or address of the bonding company to Owner in writing within ten days of such change. The writing shall be clearly identified as “Notice of Change in Bonding Company For Payment of Wages.”

ARTICLE 13 - NOTICE TO BONDING COMPANY

13.01 Contractor acknowledges and agrees that in the event that Owner or its Compliance Administrator or any other Owner representative, provides notice of withholding contract payment to the Contractor or Subcontractor, a copy of the notice may also be served on any of Contractor’s or Subcontractor’s bonding companies that issued a bond to securing payment of wages.

13.02 The Contractor shall insert in every subcontract or other arrangement which Contractor may make for performance of Work or labor on Work provided for in the Contract, a provision that each Subcontractor shall acknowledges and agrees that in the event that Owner or its Compliance Administrator or any other Owner representative, provides notice of withholding contract payment to the Contractor or Subcontractor, a copy of the notice may also be served on any of Contractor’s or Subcontractor’s bonding companies that issued a bond to securing payment of wages.

ARTICLE 14 - NOTICE OF WITHHOLDING

Labor Compliance Program
Laney College Reroofing Project
14.01 Owner shall provide Contractor with notice of withholding contract payments.

14.02 Owner shall provide Contractor and Subcontractor with notice of withholding if withholding is due to Subcontractor.

ARTICLE 15 - REQUEST FOR REVIEW

15.01 The exclusive and only means for Contractor or Subcontractor to receive review of a decision by Owner to withhold payment for violations of the prevailing wage requirements is through the procedure set forth herein.

15.02 Contractor or Subcontractor may contest a finding that it has violated the prevailing wage requirement laws by submitted a writing clearly identified as “Request for Review” to Owner’s Labor Compliance Program personnel as identified in Paragraph 2 of this Document 00 7300 within sixty (60) days after service of the Notice to Withhold of Contract Payments.

15.03 The Request for Review must clearly identify the Notice of Withholding Contract Payments from which review is sought, including the date of the Notice of Withholding Contract Payments or it shall include a copy of the Notice of Withholding Contract Payments as an attachment.

15.04 The Request for Review must contain a complete statement of the basis for the protest.

15.05 The Request for Review must refer to the specific portion of the Notice to Withhold that forms the basis for the protest.

15.06 The Request for Review must include the name, address, and telephone number of the person representing the protesting party.

15.07 Contractor shall insert in every subcontract or other arrangement which Contractor may make for performance of Work or labor on Work provided for in the Contract, the same terms as set forth in this Document 00 7300 Paragraphs 15, 16 and 17 and each subpart thereto.

ARTICLE 16 - FAILURE TO REQUEST REVIEW SHALL RESULT IN FINAL JUDGMENT

16.01 Failure by the Contractor to submit a timely Request for Review may result in a final order which shall be binding on the Contractor, and which shall also be binding, with respect to the amount due, on the bonding company issuing a bond that secures the payment of wages by the Contractor and a surety on the bond.

16.02 Failure by the Subcontractor to submit a timely Request for Review may result in a final order which shall be binding on the Subcontractor, and which shall also be binding, with respect to the amount due, on the bonding company issuing a bond that secures the payment of wages by the Subcontractor and a surety on the bond.

ARTICLE 17 - NO INTERIM PAYMENT OF WITHHELD CONTRACT PAYMENTS

17.01 Pending a final order, or the expiration of the time period for seeking review of the Notice of Withholding of Contract Payments, Owner shall not disburse any Contract payments that have been withheld.

ARTICLE 18 - FAILURE TO COMPLY WITH LABOR LAWS MAY RESULT IN PENALTIES

18.01 Failure by Contractor or Subcontractor to pay every employee performing Work prevailing wages may result in the Contractor and/or Subcontractor being prohibited from bidding on public works projects for up to three years.

18.02 Failure by Contractor or Subcontractor to pay every employee performing Work prevailing wages may result in the Contractor and/or Subcontractor being prohibited from being awarded public works projects for up to three years.

18.03 Failure by Contractor or Subcontractor to pay every employee performing Work prevailing wages may result in a forfeiture of the unpaid wages by the Contractor or Subcontractor.
18.04 Failure by Contractor or Subcontractor to pay every employee performing Work prevailing wages may result in a forfeiture of up to $50.00 per each calendar day, or portion thereof, for each worker paid less than the prevailing wage rates.

18.05 Failure by Contractor or Subcontractor to submit certified copies of payroll records within ten days of a written request from Owner, the Compliance Administrator or any other Owner representative may result in a forfeiture of up to $25.00 per each calendar day, or portion thereof, for each worker until strict compliance is effectuated.

18.06 Failure by Subcontractor to pay every employee performing Work prevailing wages may result in withholdings, penalties and forfeitures being assessed against Contractor.

ARTICLE 19 - CONTRACTOR MUST MONITOR SUBCONTRACTOR COMPLIANCE

19.01 Contractor shall monitor the payment of the specified general prevailing rate of per diem wages to employees by each Subcontractor by periodically reviewing the certified payroll records of each Subcontractor.

ARTICLE 20 - CORRECTIVE ACTION BY CONTRACTOR REGARDING SUBCONTRACTOR

20.01 Once the Contractor is aware that any Subcontractor has failed to pay its workers the specified prevailing rate of wages, the Contractor shall diligently take corrective action to halt or rectify the failure, including but not limited to, retaining sufficient funds due the Subcontractor for Work performed on the Project.

ARTICLE 21 - AFFIDAVIT PRIOR TO FINAL PAYMENT TO SUBCONTRACTOR

21.01 Prior to making final payment to any Subcontractor for Work performed on the Project, Contractor shall obtain an affidavit signed under penalty of perjury from each Subcontractor that each Subcontractor has paid the specified general prevailing rate of per diem wages to its employees on the Project and any amounts due under California Labor Code §1813.

ARTICLE 22 - NOTICE OF PRIOR VIOLATIONS OF THE PREVAILING WAGE RATES

22.01 Contractor shall promptly notify Owner if Contractor has been barred from bidding for or working on public works projects for any reason.

22.02 Contractor shall promptly notify Owner if Contractor or a firm, corporation, partnership, or association in which the contractor has any interest has been found to have willfully violated the prevailing wage rate laws.

22.03 Contractor shall promptly notify Owner if Contractor or a firm, corporation, partnership, or association in which the contractor or has any interest has been found to have violated the public works chapter of the California Labor Code with an intent to defraud.

22.04 The term "any interest" shall have the meaning set forth in California Labor Code §1777.1(f) or any amendment thereto.

22.05 Notice shall be given by the Contractor to Owner before bidding closes or if Contractor is unaware until after bidding has closed, before the Contract is awarded or if the Contractor is unaware until after the Contract has been awarded then before it is executed and if the Contractor is unaware until after the Contract has been executed then not more than five calendar days after Contractor has notice of any kind that it has been found to have willfully violated the prevailing wage rate laws or found to have violated the public works chapter of the California Labor Code with an intent to defraud.

ARTICLE 23 - DEFINITIONS

23.01 All abbreviations and definitions of terms used in this Document 00 7300 are set forth in this Document 00 7300 or in Document 00 7200 (General Conditions) and Section 01 4200 (References and Definitions).
LANEY COLLEGE REROOFING PROJECT

DOCUMENT 00 7316

SUPPLEMENTARY CONDITIONS

1. SUMMARY

A. This document includes requirements that supplement the paragraphs of Document 00 7200 (General Conditions).

2. SUPPLEMENTS

A. Add new Article 16 - “Insurance Requirements”:

1. At or before the date specified in Document 00200 (Instructions to Bidders), Contractor shall furnish to District satisfactory proof that Contractor has taken out for the entire period covered by the Contract the following classes of insurance in the form and with limits and deductibles specified below:

1. Comprehensive General Liability Insurance covering claims for personal injury, bodily injury and property damage arising out of the Work and in a form providing coverage not less than that of a Standard Commercial General Liability Insurance policy (“Occurrence Form”). Such insurance shall provide for all operations and include independent contractors, products liability, completed operations for one year after Final Completion and acceptance of the final payment for the Work, contractual liability, and coverage for explosion, collapse, and underground hazards. The limits of such insurance shall not be coverage of less than $1,000,000 each occurrence, $2,000,000 general aggregate limit, and $2,000,000 aggregate for products and completed operations. The policies shall be endorsed to provide Broad Form Property Damage Coverage.

2. Comprehensive Automobile Liability Insurance covering all owned, non-owned, and hired vehicles. Such insurance shall provide coverage not less than the standard Comprehensive Automobile Liability policy with limits not less than $1,000,000 each person Bodily Injury, $1,000,000 each occurrence Bodily Injury, and $1,000,000 each occurrence Property Damage.

3. All-Risk Course of Construction Insurance including damage to property owned by District, Contractor or third parties caused by fire. Insurance shall be in the amount of 100 percent of the completed value of the Work to be performed under this Contract. Deductible shall not exceed $10,000. Each loss shall be borne by Contractor.

4. Workers’ Compensation Insurance for all persons whom the Contractor may employ in carrying out Work contemplated under Contract Documents, in accordance with the Act of Legislature of State of California, known as “Workers’ Compensation Insurance and Safety Act,” approved May 26, 1913, and all acts amendatory or supplemental thereto, in the statutory amount.

5. [Option] Environmental Impairment Liability Insurance covering bodily injury and property damage utilizing an occurrence policy form, in an amount no less...
than [Insert Amount e.g. $1,000,000] combined single limit for each occurrence.

2. All policies of insurance shall be placed with insurers acceptable to District. The insurance underwriter(s) for all insurance policies except Workers’ Compensation shall have an A. M. Best Company rating of A-, VIII or better. Required minimum amounts of insurance may be increased should conditions of Work, in opinion of District, warrant such increase. Contractor shall increase required insurance amounts upon direction by District.

3. Required Endorsements: The policies required under paragraphs 4.2.A.1 and 4.2.A.2 [Option: and 4.2.A.5] of this Document 00700 shall be endorsed as follows:

1. Name District, its Board of Directors, and their employees, representatives, consultants, and agents, and Project Manager as additional insureds, but only with respect to liability arising out of the activities of the named insured.

2. Each such policy shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limit of the insurance company’s liability required under paragraphs 4.2.A.1 and 4.2.A.2 [Option: and 4.2.A.5] of this Document 00700.

3. Insurance shall be primary to District and no other insurance or self-insured retention carried or held by District shall be called upon to contribute to a loss covered by insurance for the named insured.

4. [Option] Additional Endorsement: The policy required under paragraph 4.2.A.1 of this Document 00700 shall be endorsed as follows:

1. Name the State of California, its officers, agents, employees, and servants as additional insured, but only with respect to liability arising out of the activities of the named insured.

5. Certificates of insurance and endorsements shall have clearly typed thereon District Contract Number and title of Contract Documents. Written notice of cancellation, non-renewal, or reduction in coverage of any policy shall be mailed to District (Attention: Contract Administration/Inspection) at the address listed in Document 00520 (Agreement), 60 Days in advance of the effective date of the cancellation, non-renewal, or reduction in coverage. Written notice of cancellation for non-payment shall be mailed within 10 Days of cancellation. Contractor shall maintain insurance in full force and effect during entire period of performance of Contract Documents. Contractor shall keep insurance in force during warranty and guarantee periods, except that Contractor may discontinue All-Risk Course of Construction Insurance after Final Payment. At time of making application for extension of time, and during all periods exceeding the Contract Time resulting from any cause, Contractor shall submit evidence that insurance policies will be in effect during requested additional period of time. Upon District’s request, Contractor shall submit to District, within 30 Days, copies of the actual insurance policies or renewals or replacements.

6. Contractor shall pay all insurance premiums, including any charges for required waivers of subrogation or the endorsement of additional insureds. If Contractor fails to maintain insurance, District may take out comparable insurance, and deduct and retain amount of premium from any sums due Contractor under Contract Documents.
7. If injury occurs to any employee of Contractor, Subcontractor or sub-subcontractor for which the employee, or the employee’s dependents in the event of employee’s death, is entitled to compensation from District under provisions of the Workers’ Compensation Insurance and Safety Act, as amended, or for which compensation is claimed from District, District may retain out of sums due Contractor under Contract Documents, amount sufficient to cover such compensation, as fixed by the Act, as amended, until such compensation is paid, or until it is determined that no compensation is due. If District is compelled to pay compensation, District may, in its discretion, either deduct and retain from the Contract Sum the amount so paid, or require Contractor to reimburse District.

8. Nothing in paragraph 4.2 of this Document 00700 shall be construed as limiting in any way the extent to which Contractor or any Subcontractor may be held responsible for payment of damages resulting from their operations.

9. All Subcontractors shall maintain the same insurance required to be maintained by Contractor with respect to their portions of the Work, and Contractor shall cause the Subcontractors to furnish proof thereof to District within ten Days of District’s request.

10. The following provisions apply to any licensed professional engaged by Contractor to perform portions of the Work (“Professional”).

   1. Each Professional shall maintain the following insurance:

      a. Professional Liability Insurance, insuring against professional errors and omissions arising from Professional’s Work on the Project, in an amount not less than $1,000,000 combined single limit for each occurrence. If Professional cannot provide an occurrence policy, Professional shall provide insurance covering claims made as a result of performance of Work on this Project and shall maintain such insurance in effect for not less than two years following Final Completion of the Project.

      b. All insurance required by paragraphs 4.2.A.1, 4.2.A.2, and 4.2.A.4 of this Document 00700. Professional shall satisfy all other provisions of paragraph 4.2 of this Document 00700 relating to that insurance, including without limitation providing required insurance certificates (containing the required endorsements) before commencing its Work on the Project.

END OF DOCUMENT
The District is committed to ensure equal opportunity and equitable treatment in awarding and managing its public contracts and has established an annual overall program goal of twenty-five percent participation for small local businesses. To facilitate opportunities for small local business, the District will use a maximum 5% bidding preference for SLBE and SELBE firms. The preference is only used for computation purposes to determine the winning bidder, the contract is awarded at the actual bid amount. Please review the following guidelines to see if your firm qualifies for the preference.

The 5% bidding preference for an SLBE and SELBE firms are for construction, personal and professional services, goods and services, maintenance, repairs, and operations where responsibility and quality are equal. The preference will be 5% of the bid amount of the lowest responsive responsible bidder, and may not exceed $50,000.00 for any bid.

A Non-SLBE/SELBE Prime Contractor who utilizes 25% of total bid amount, with SLBE or SELBE subcontractors (who meet the District’s Definition of an SLBE and SELBE), can also receive a maximum of 4% bidding preference, not to exceed $50,000.00 for any bid. (See below Subcontractors section.)

Definitions:

**SLBE:** A Small Local Business Enterprise is a business that has not exceeded gross annual revenue of 8.5 million dollars for a construction firm, or 6 million dollars for goods and non-professional services firm, or 3 million dollars for architecture, engineering and professional services firm, for the past three consecutive years and meets the below geographic location requirements.

**SELBE:** A Small Local Emerging Business Enterprise is a business that has not exceeded gross annual revenue of 1.5 million dollars for the past three consecutive years and meets the below geographic location requirements.

**Commercially Useful Function:** Shall mean a business is directly responsible for providing the materials, equipment, supplies or services to the District as required by the contract solicitation. The business performs work that is normal for its business services and carries out its obligation by actually performing, managing, or supervising the work involved. The business is **not** Commercially Useful if its role is limited to that of an extra participant in a transaction, contract, or project through which funds are passed in order to obtain the appearance of SLBE or SELBE participation.

**Geographic Location Requirements:**

- The business must be located at a fixed, established commercial address located in the District’s market area of Albany, Alameda, Berkeley, Emeryville, Oakland, or Piedmont, and not a temporary or movable office, a post office box, or a telephone answering service.

- If the business has an office outside of the District’s market area as well as an office within the market area, the office within the District’s market area must be staffed on a full time permanent basis with someone employed by the business.
If requested, the business that has an office outside of the District’s market area must provide proof of one or more past contracts citing the business address (such as contracts to perform work, to rent space or equipment, or for other business services) was within the District’s market area at least one (1) year prior to the date of contract award. The one-year requirement does not apply to businesses whose sole establishment is located within the District’s market area.

Subcontractors:

Non-SLBE/SELBE Prime Contractors who use subcontractors, who meet the district definitions of SLBE and SELBE, may receive a maximum of 4% bidding preference if the following conditions are met:

1. 25% of total bid amount is with Subcontractors who meet the District’s definition of an SLBE and SELBE. The Prime Contractor must list each Subcontractor on the Subcontractor List form, clearly identifying the SLBE and SELBE status and the Dollar Amount of work each subcontractor will perform.

2. The Subcontractors must provide a Commercially Useful Function.

3. The Prime Contractor must maintain the Subcontractor percentages (based on the quoted dollar amounts) indicated in the Subcontractor List form at the time the Contract is awarded and throughout the term of the Contract.

4. The Prime Contractor must fill out sign the SLBE/SELBE Self Certification Affidavit and return it with the bid documents, and 48 hours after the bid opening the Prime Contractor must submit signed SLBE/SELBE Self Certification Affidavit from each of the SLBE and SELBE subcontractors listed in the Subcontractor form. The Subcontractor must agree to provide the requested documentation to verify the SLBE/SELBE status.

5. No Substitutions can be made to the SLBE and SELBE subcontractor without the prior written approval of the District. The District will approve a subcontractor substitution on the following conditions:
   a. A written statement from the subcontractor agreeing to the substitution.
   b. When the subcontractor has been given a reasonable opportunity to execute the subcontract, yet fails to, or refuses to execute the subcontract, or refuses to satisfy contractual obligations.
   c. When the subcontractor becomes insolvent.
   d. When the District determines the work performed by the subcontractor is not in accordance with the contact agreement, or the subcontractor is substantially and unduly delaying or disrupting the progress of work.

Firms that meet the District criteria for an SLBE and SELBE can complete the below self-certification affidavit signed under penalty of perjury. Firms claiming SLBE and SELBE status in the self-certification affidavit will be required to submit proof of residency and revenue 48 hours after bid opening. Such proof shall consist of a copy of a contract to perform work, to rent space or equipment, or for other business services, executed from their local address, and the firm's tax returns for the past three consecutive years.
Peralta Community College District

SLBE/ SELBE SELF CERTIFICATION AFFIDAVIT

I certify under penalty of perjury that my firm meets the District's definition of a Small Local Business Enterprise or a Small Emerging Local Business Enterprise and resides in the geographic location of the District's market area and qualifies for the below preference. The maximum preference will be five percent of the bid amount of the lowest responsible bidder, and may not exceed $50,000.00 for any bid. The preference is only used for computation purposes to determine the winning bidder; the contract is awarded at the actual bid amount. The District's Contract Compliance Office will determine whether this requirement has been fulfilled. Bidders may only claim one of the below preferences.

<table>
<thead>
<tr>
<th>Certification Status</th>
<th>Preference</th>
<th>Preference Claimed (check only one)</th>
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<tbody>
<tr>
<td>SLBE</td>
<td>5% of lowest bid</td>
<td></td>
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<tr>
<td>SELBE</td>
<td>5% of lowest bid</td>
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<tr>
<td>25% of Subcontractors are SLBE/SELBE</td>
<td>4% of lowest bid</td>
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</tr>
<tr>
<td>Not Applicable</td>
<td>None</td>
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</table>

1. I acknowledge and am hereby advised that upon a finding of perjury with the claims made in this self-certification affidavit the District is authorized to impose penalties which may include any of the following:
   a) Refusal to certify the award of a contract
   b) Suspension of a contract
   c) Withholding of funds
   d) Revision of a contract for material breach of contract
   e) Disqualification of my firm from eligibility for providing goods and services to the Peralta Community College District for a period not to exceed five (5) years

2. I acknowledge and have been advised and hereby agree that my firm will be required to provide proof (and if applicable, my SLBE and SELBE Subcontractors will provide proof) of the status claimed on this self-certification affidavit 48 hours after bid opening. Proof of status claimed includes tax returns from the previous three years and past contracts to determine the size and geographical location of my firm.

3. I declare that the above provisions are attested to under penalty of perjury under the laws of the State of California.

Bid Number: ______________________ Bid Name: ______________________________________

______________________________  ______________________________
Signed                              Date

______________________________  ______________________________
Printed or typed name              Title

______________________________  ______________________________
Name of Company                   Telephone                   Fax

Small Local Business Enterprise  00 7339 – 3
Laney College Reroofing Project
LANEY COLLEGE REROOFING PROJECT

DOCUMENT 00 7380

APPRENTICESHIP PROGRAM

ARTICLE 1 - COMPLIANCE REQUIRED

1.01 Contractor and Subcontractors shall comply with the requirements of California Labor Code §§1776, 1777.5, and 1777.6 concerning the employment of apprentices by Contractor or Subcontractors. Willful failure to comply may result in penalties, including loss of the right to Bid on or receive public works contracts.

ARTICLE 2 - CERTIFICATION OF APPROVAL

2.01 California Labor Code §1777.5, as amended, requires a Contractor or Subcontractor employing tradespersons in any apprenticeable occupation to apply to the joint apprenticeship committee nearest the site of a public works project and which administers the apprenticeship program in that trade for a certification of approval. The certificate shall also fix the ratio of apprentices to journeypersons that will be used in performance of the Contract. The ratio of work performed by apprentices to journeypersons in such cases shall not be less than one hour of apprentices work for every five hours of labor performed by journeypersons (the minimum ratio for the land surveyor classification shall not be less than one apprentice for each five journeypersons), except:

A. When unemployment for the previous three month period in the area exceeds an average of 15 percent;
B. When the number of apprentices in training in the area exceeds a ratio of one to five;
C. When a trade can show that it is replacing at least 1/30 of its membership through apprenticeship training on an annual basis state-wide or locally; or
D. Assignment of an apprentice to any work performed under a public works contract would create a condition which would jeopardize his or her life or the life, safety, or property of fellow employees or the public at large or if the specific task to which the apprentice is to be assigned is of such a nature that training cannot be provided by a journeyperson.

ARTICLE 3 - FUND CONTRIBUTIONS

3.01 Contractor is required to make contributions to funds established for administration of apprenticeship programs if Contractor employs registered apprentices or journeypersons in any apprenticeable trade on such contracts and if other contractors on the public works site are making such contributions.

ARTICLE 4 - APPRENTICESHIP STANDARDS

4.01 Information relative to apprenticeship standards, wage schedules, and other requirements may be obtained from the Director of the California Department of Industrial Relations, or from the Division of Apprenticeship Standards and its branch offices.

END OF DOCUMENT
LANEY COLLEGE REROOFING PROJECT

DOCUMENT 00 8250

PROJECT LABOR AGREEMENT

See attached.

END OF DOCUMENT
PERALTA COMMUNITY COLLEGE DISTRICT

CONSTRUCTION PROJECT LABOR AGREEMENT

JULY 21, 2009
# PROJECT LABOR AGREEMENT
## TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preamble</td>
<td>2</td>
</tr>
<tr>
<td>Recitals</td>
<td>2</td>
</tr>
<tr>
<td><strong>ARTICLE 1</strong> Definitions</td>
<td>3</td>
</tr>
<tr>
<td><strong>ARTICLE 2</strong> Purpose</td>
<td>5</td>
</tr>
<tr>
<td><strong>ARTICLE 3</strong> Scope of Agreement</td>
<td>5</td>
</tr>
<tr>
<td><strong>ARTICLE 4</strong> Effect of Agreement</td>
<td>8</td>
</tr>
<tr>
<td><strong>ARTICLE 5</strong> Subcontracts</td>
<td>9</td>
</tr>
<tr>
<td><strong>ARTICLE 6</strong> Work Stoppages, Strikes, Sympathy Strikes and Lockouts</td>
<td>10</td>
</tr>
<tr>
<td><strong>ARTICLE 7</strong> Prejob Meeting</td>
<td>13</td>
</tr>
<tr>
<td><strong>ARTICLE 8</strong> Nondiscrimination</td>
<td>13</td>
</tr>
<tr>
<td><strong>ARTICLE 9</strong> Union Recognition</td>
<td>14</td>
</tr>
<tr>
<td><strong>ARTICLE 10</strong> Referral</td>
<td>14</td>
</tr>
<tr>
<td><strong>ARTICLE 11</strong> Wages and Benefits</td>
<td>15</td>
</tr>
<tr>
<td><strong>ARTICLE 12</strong> Grievance Arbitration Procedure</td>
<td>17</td>
</tr>
<tr>
<td><strong>ARTICLE 13</strong> Safety &amp; Health</td>
<td>18</td>
</tr>
<tr>
<td><strong>ARTICLE 14</strong> Compliance</td>
<td>18</td>
</tr>
<tr>
<td><strong>ARTICLE 15</strong> Jurisdictional Disputes</td>
<td>19</td>
</tr>
<tr>
<td><strong>ARTICLE 16</strong> Local Hiring Program</td>
<td>21</td>
</tr>
<tr>
<td><strong>ARTICLE 17</strong> Management Rights</td>
<td>24</td>
</tr>
<tr>
<td><strong>ARTICLE 18</strong> Savings Clause</td>
<td>25</td>
</tr>
<tr>
<td><strong>ARTICLE 19</strong> Miscellaneous Provisions</td>
<td>25</td>
</tr>
<tr>
<td><strong>ARTICLE 20</strong> Term</td>
<td>26</td>
</tr>
<tr>
<td>Signature Page</td>
<td>26</td>
</tr>
<tr>
<td><strong>Attachment A</strong> Letter of Assent</td>
<td>30</td>
</tr>
<tr>
<td><strong>Attachment B</strong> Letter of Understanding Addressing Local Business Utilization</td>
<td>31</td>
</tr>
<tr>
<td><strong>Attachment C</strong> Side Letter Agreement and Signature Pages</td>
<td>32</td>
</tr>
<tr>
<td><strong>Attachment D</strong> Letter of Understandings Addressing Term of Agreement</td>
<td>36</td>
</tr>
<tr>
<td><strong>Attachment E</strong> Letter of Understanding Addressing Helmets to Hard Hats</td>
<td>37</td>
</tr>
</tbody>
</table>
PERALTA COMMUNITY COLLEGE DISTRICT

CONSTRUCTION
PROJECT LABOR AGREEMENT

PREAMBLE

This Project Labor Agreement ("Agreement") is entered into this 21st day of July, 2009 by and between the Peralta Community College District (hereinafter, the "District" and the Building and Construction Trades Council of Alameda County, AFL-CIO (the "Council") and the Unions signatory to this Agreement, collectively referred to as the "Unions" or "Signatory Unions", with respect to the new construction work within the scope of this Agreement as hereinafter defined.

It is understood by the parties to this Agreement that when this Agreement is executed by the Chancellor after authorization by the District's Governing Board, it will become the policy of the District that the construction work covered by this Agreement shall be contracted exclusively to Contractors who agree to be bound by the terms of this Agreement through execution of it or the Letter of Assent (Attachment A), No practice, understanding or agreement between Contractor(s) and a Union party which is not provided for in this Agreement will be binding on any other party on Projects covered by this Agreement unless endorsed in writing by the District PLA Program Manager.

This Agreement is not intended to replace, interfere, abrogate, diminish or modify existing local or national collective bargaining agreements in effect during the duration of the Program, insofar as a legally binding agreement exists between the Contractor(s) and the affected Union(s) except to the extent that the provisions of this Agreement are inconsistent with said collective bargaining agreements, in which event, the provisions of this Agreement shall prevail.

The District, through its District PLA Program Manager, on staff or under contract, shall administer this Agreement and shall monitor compliance with it by all Contractors. For purposes of this Agreement, each Contractor recognizes and appoints the District PLA Program Manager as its agent, with full, independent authority to implement and administer this Agreement, and, when and if appropriate or necessary, negotiate amendments to this Agreement. Together with the Union parties, the District shall be considered a "negotiating party" of this Agreement. None of the terms of this Agreement, including specifically this agency designation and the Recitals set out below, shall be interpreted to cause or have the effect of creating a joint or single employer relationship between the District and any Contractor or between Contractors on this Project.

RECATALS

WHEREAS, the Peralta Community College District ("District") is considering the development and construction of various project(s) throughout the District in connection with its PLA covered Projects; and

WHEREAS, it is essential that the construction work required in connection with the PLA covered Projects be done in an efficient and economical manner so as to secure optimum
productivity and to eliminate delays in the construction operations, thus ensuring timely completion in the work undertaken by the contractors; and

WHEREAS, the District desires to enter into a project labor agreement ("Project Labor Agreement") with appropriate building and construction trade councils and related unions to be implemented and enforced on certain projects covered by the PLA; and

WHEREAS, it is the District's intent to negotiate and enter into a Project Labor Agreement with the appropriate building and construction trades council and related unions to ensure all contractors performing work on the project(s) comply with all requirements under the California Labor Code applicable to the project(s), including, but not limited to, prevailing wages and apprenticeship; and

WHEREAS, it is the intent and purpose of the Project Labor Agreement to provide, establish and put into practice effective methods for the settlement of labor disputes which may arise on the project(s) covered without strike, lockout, work stoppage, or slowdown, to the end that the project(s) shall be assured continuity of operation; and

WHEREAS, the District desires to authorize its Chancellor or his designee to negotiate and execute a Project Labor Agreement with the appropriate building and construction trades council and related unions to take any and all action necessary to further the District's interests in negotiating the Project Labor Agreement; and

WHEREAS, The parties agree that one of the primary purposes of this Agreement is to avoid the tensions that might arise on the Project if union and nonunion workers of different employers were to work side by side on the Project thereby leading to labor disputes that could delay completion of the Project, and

WHEREAS, the District reserves the right to control the site at which the Project will be constructed, and the right to coordinate project construction work and scheduling, including, where appropriate, setting uniform start times, and approving the necessity for and the times of shift work.

NOW, THEREFORE, IT IS AGREED BETWEEN AND AMONG THE PARTIES HERETO, AS FOLLOWS:

ARTICLE 1
DEFINITIONS

1.1 "Agreement" means this Project Labor Agreement.

1.2 "District" means the Peralta Community College District and the administrative staff under its Chancellor.

1.3 "Contractor(s)" means any individual, firm, partnership or corporation, or combination thereof, including joint ventures, which is an independent business enterprise and has entered into a contract with the District or any of its Contractors or subcontractors of any tier, with respect to the construction of any part of the PLA Program under contract terms and conditions approved by the District and which incorporate this Agreement.
1.4 "Construction Contract" means the public works or improvement contracts which have been approved and signed by the District and which are part of the PLA Program.

1.5 "PLA Program" means the PLA-eligible Project(s) that are all Covered Work which are all those construction contracts funded in whole or in part by bond funding, State grants, tax increment funding and all other funding that is allocated for construction and may be more generally known as public funding and identified by the District as part of the PLA Program and the construction of which was awarded to a contractor during the term of this Agreement.

1.6 "Project" is an individual construction Project that is a part of the PLA Program and designated to be covered by this Agreement.

1.7 "Union(s)" means the Building and Construction Trades Council of Alameda County, AFL-CIO ("Council") and any other labor organization signatory to this Agreement, acting in their own behalf and on behalf of their respective affiliates and member organizations whose names are subscribed hereto and who have through their officers executed this Agreement ("Signatory Unions").

1.8 "Master Agreement" means the Master Collective Bargaining Agreement of each craft Union signatory hereto covering the corresponding work between a bona fide contractor group or representative and the signatory Unions having jurisdiction over the work on the Project and that are identified and agreed to by the District PLA Program Manager and the Unions.

1.9 "District PLA Program Manager" means the person(s) and/or business entity designated by the District to oversee all phases of construction on the PLA Program and is:

1.10 "District Project Manager(s)" means the person(s) selected by the District on one or more campuses to oversee and/or inspect construction activity, as agents of the District. They will not be engaged in construction work, and their relationship to this Agreement, if any, will be through the District.

The initial term of this Agreement shall be for five (5) years, commencing with the acceptance of this agreement by both parties. At the end of this initial period, this Agreement will be reviewed and considered for extension or renewal with modifications if appropriate. The term of this Agreement will be automatically extended for additional successive five (5) year terms unless the District, prior to the expiration of any such term and, after meeting with the Council and the Unions, finds in a public hearing that the work performed has been unsatisfactory, and gives the Council and Unions notice that it will not renew this Agreement.

1.11 This Agreement shall remain in effect for any Construction Contract awarded under this Agreement but not completed by the end of the term for the duration of that Contract.

1.12 "Local area resident" means Alameda County residents of Alameda, Albany, Berkeley, Emeryville, Piedmont and especially the City of Oakland.
ARTICLE 2
PURPOSE

2.1 The purpose of this Agreement is to promote efficiency of construction operations and provide for peaceful, efficient, and binding procedures for settlement of labor disputes and grievances without strikes or lockouts, thereby promoting the public interest in assuring the timely and economical completion of the PLA covered Projects. The PLA Program is intended to increase the educational opportunities and raise student achievement through the improvement of academic learning and health and safety conditions on the campuses of the District by the development of campus facilities for students, faculty and staff.

2.2 Further, the purpose of this Agreement is to ensure that all Contractors performing work on all PLA-covered Projects will comply with all requirements under the California Labor Code and utilize resources available in the local area, including those provided by minority and women-owned enterprises.

2.3 In so doing, the parties to this Agreement establish the foundation to promote the public interest, to provide a safe work place, to ensure high quality construction, to ensure uninterrupted construction, and to secure optimum productivity, on-schedule performance and the satisfaction of the Peralta Community College District.

ARTICLE 3
SCOPE OF AGREEMENT

3.1 Covered Work: This Agreement covers, without limitation, all on-site construction, demolition, alteration, painting or repair of buildings, structures and other works and related activities for a Project that is within the craft jurisdiction of one of the Unions and that is directly or indirectly part of the Project, including, without limitation, pipelines (including those in linear corridors built to serve the Project), site preparation, survey work, soils and material inspection and testing, demolition of existing structures, and all construction, demolition or improvements required to be performed as a condition of approval by any public agency. On-site work includes work done or necessary for a Project or in temporary yards or areas adjacent to and dedicated to the Project, and at any on-site batch plant constructed solely to supply materials to the Project, when those sites are dedicated exclusively to the project. The furnishing of supplies, equipment or materials which are stockpiled for later use shall in no case be considered subcontracting, however, this Agreement shall cover and the appropriate Prevailing Wage Rate shall be paid to those workers delivering ready-mix concrete, asphalt, aggregate, sand or other fill materials that will be directly incorporated into the construction process as well as the off-hauling of debris and excess fill and/or mud shall be covered by the terms and conditions of this Agreement. Employers (including brokers), of drivers hauling such materials shall provide certified payroll records to the awarding body within ten (10) days of written request or as required by the bid specifications.

3.2 Project Description: The Agreement shall govern the award of all Construction Contracts and applies to all Covered Work which are all those construction contracts funded in whole or in part by bond funding, State grants, tax increment funding and all other funding that is allocated for construction and may be more generally known as
public funding and identified by the District as part of the PLA Program. “Exhibit A”, attached to this Agreement and incorporated herein by reference, is a list of covered Projects of the current Construction Contracts covered by this Agreement and such list shall be supplemented from time to time, when necessary during the term of this Agreement. The District has the absolute right to combine, consolidate, add, or cancel Project(s) or portions of Project(s) identified as part of the PLA Program. Should the District remove any Project listed in “Exhibit A” from the Program and thereafter authorize that construction work be commenced on the Project, the Project shall be performed under the terms of this Agreement. Once a construction Project is completed, it is no longer covered by this Agreement. For the purposes of this Agreement, a Project shall be considered completed upon the filing by the District of a Notice of Completion to the Contractor.

Further, the District may prohibit some or all work on certain days or during certain hours of the day to accommodate the ongoing operations of the District’s education facilities and/or to mitigate the effect of the ongoing Project work on the businesses and residents in the neighborhood of the Project site; and/or require such other operational or schedule changes that it may deem necessary, in its sole judgment, to effectively maintain its primary mission and to remain a good neighbor to those in the area of its campuses. Such schedule changes shall be in accordance with the Master Agreement requirements. In order to permit the Contractor(s) and Union(s) to make appropriate scheduling plans, the District will provide the PLA Program Manager, the affected Contractor(s) and Union(s) with reasonable notice of any changes it requires pursuant to this Article.

3.3 **Most Favored Nations Clause:** No provision not contained within this Agreement shall be recognized or applied if it may be construed to apply exclusively or predominantly to work covered by this Agreement only.

3.4 **Exclusions:**

(a) The Agreement shall be limited to construction work on the PLA Program and is not intended to, and shall not govern any construction work performed at the District at anytime prior to the effective date, or after the expiration or termination of the Agreement, except as noted in Section 1.11 above that this Agreement shall continue in effect on any Project awarded under this Agreement but not completed by the end of the term of this Agreement for the duration of that Contract.

(b) The Parties acknowledge that the District may utilize $500,000 of funding annually to perform maintenance work on maintenance and operations projects for the duration of this Agreement.

Contractors or subcontractors with “excluded contracts” shall not be subject to the terms of this Agreement but shall meet all State and Federal laws and regulatory requirements governing construction for the project where they are performing work. All excluded contractors will meet the Certified Payroll requirements within the 10 day period required by State Law for submittal of requested Certified Payroll information. The District shall supply the Union(s) with the
inspector's log and all other documents used for oversight of the project when such information is requested.

It is further agreed that, other than the $500,000 per year maintenance exclusion, the following seven projects are the only projects that shall be excluded from the Agreement.

1. Laney: Smart Media, Project # 02314
2. Laney: Buildings F&G Computer Labs, Project # 02314
3. Laney: Photo Lab Gallery Lighting, Project # 02314
4. Merritt: Swing Space (A129), Project #
5. Merritt: Horticulture Department Improvements, Project # 02303-110
6. District Wide: ADA Upgrades, Project # unassigned
7. District Wide: Elevator Cabs, controls and finishes upgrades, Project # 02326

(c) The Agreement is not intended to, and shall not affect the operation or maintenance of the District.

(d) This Agreement shall not apply to a Contractors' executives, managerial employees, engineering employees, supervisors above the classification of general foreman, or any office and clerical employees.

(e) This Agreement shall not apply to employees of the District.

(f) This Agreement is not intended to, and shall not affect equipment and machinery owned or controlled and operated by the District for work not covered by this Agreement.

(g) This Agreement excludes all off-site manufacture and handling of equipment, machinery or materials (except for aggregates, sand or other fill material which are either directly incorporated into the construction process, or directly removed from the site of construction)

(h) Offsite maintenance of leased equipment and on-site supervision of such work is excluded from the Agreement.

(i) The Agreement is not intended to, and shall not affect any work by employees of the District or its contractors involved in general maintenance, emergency repair, and/or cleaning work, except as specifically covered by this Agreement.

(j) In accordance with 3.4(b) and in emergency situations, at the sole option of the District, the Agreement shall not apply to contracts awarded under the Public Contracts Code §20654 and §20655, or any emergency public works resolutions or any project using federal funds where prohibited by law.

(k) Work covered by the Agreement within the craft jurisdiction of the Elevator Constructors will be performed under the terms of the National Agreement of the International Union of Elevator Constructors except that Articles 6, 10,14 and 15 of the Agreement shall prevail and be applied to such work.
(l) It is the legal obligation of the District to obtain the most competitive bids while maintaining the conditions of the Agreement. To ensure that a competitive bid is received from a range of general contractors, the Building and Construction Trades Council of Alameda County, AFL-CIO shall assist the District in soliciting interested parties in bidding on the Project(s). Additionally, the District recognizes that multiple subcontractor quotations of bids ensure the most competitive overall bid. The Building and Construction Trades Council of Alameda County, AFL-CIO shall assist the District in encouraging and soliciting local and other subcontractors in bidding to interested general contractors. The District reserves the right, without reservation, to reject all bids and re-bid the Project.

ARTICLE 4
EFFECT OF AGREEMENT

4.1 By executing this Agreement, the Unions and the District agree to be bound by each and all of the provisions of this Agreement. The provisions of this Agreement shall apply to all covered work, notwithstanding the provisions of any other local, area and/or national agreements which may conflict with or differ from the terms of this Agreement. The District and each Signatory Union shall agree upon the local collective bargaining agreement to be designated as the applicable Master Agreement for work covered by this Agreement. Where a subject covered by the provisions of this Agreement is also covered by a Master Agreement, the provisions of this Agreement shall prevail. Where a subject is covered by the provisions of a Master Agreement and is not covered by this Agreement, the provisions of the Master Agreement shall prevail. Any dispute as to the applicable source between this Agreement and any Master Agreement for determining the wages, hours and working conditions of employees on this Project shall be resolved under the procedures established in Article 12. This Agreement represents the complete understanding of the parties, and no Contractor is or will be required to sign any other agreement with a signatory union as a condition of performing work within the scope of this Agreement. No practice, understanding or agreement between a Contractor and a Union party which is not specifically set forth in this Agreement will be binding on any other party unless endorsed in writing by the District or the District's PLA Program Manager.

4.2 This Agreement shall only be binding on the signatory parties hereto and shall not apply to the parents, affiliates, subsidiaries, or other ventures of any such party.

4.3 Each Contractor(s) shall alone be liable and responsible for its own individual acts and conduct and for any breach or alleged breach of this Agreement.

4.4 It is mutually agreed by the parties that any liability by a Signatory Union(s) to this Agreement shall be several and not joint. Any alleged breach of this Agreement by a signatory Union(s) shall not affect the rights, liabilities, obligations and duties between the signatory Contractor(s) and the other Union(s) party to this Agreement.
ARTICLE 5
SUBCONTRACTS

5.1 The District, PLA Program Manager, and/or Contractors, as appropriate, have the absolute right to award contracts or subcontracts on this Project notwithstanding the existence or non-existence of any collective bargaining agreements between the prospective contractor and any union party, and provided that such contractor is willing, ready and able to comply with this Agreement. Such contractor shall execute a Letter of Assent, should it be awarded work covered by this Agreement.

5.2 Subcontractors of any tier shall become a party to this Agreement by signing the Letter of Assent (Attachment A). By signing the Letter of Assent, a subcontractor to a Contractor does not thereby establish any contractual relationship with the District, except for this Agreement, and the District shall not become party to nor become responsible for the performance of the construction subcontract between the Contractor and its subcontractor(s).

5.3 The District and each Contractor(s) agree that neither it nor any of its subcontractors will subcontract any work to be done on PLA covered Projects except to a person, firm, or corporation who is or becomes party to the Agreement. Any Contractor(s) working on the Project shall, as a condition to working on the Project, become signatory to and perform all work under the terms of this Agreement.

5.4 A subcontractor is defined as any person, firm or corporation who agrees under contract with the Contractor(s), or a subcontractor of the Contractor, to perform on the Project, any part or portion of the construction work covered by the Construction Contract, including the operating of construction equipment, performance of labor and/or installation of materials. Trucking firms are included as subcontractors when hauling materials in the execution of the Project as provided for in Article 3.1.

5.5 The Contractor(s) has the primary obligation for performance of all conditions of this Agreement. This obligation cannot be relieved, evaded or diminished by subcontracting. Should the Contractor(s) elect to subcontract, the Contractor(s) shall continue to have such primary obligation.

5.6 A Contractor(s) who provides in the subcontract that the subcontractor will pay the wages and benefits and will observe the hours and all other terms and conditions of this Agreement and who requires its subcontractor(s) to execute a Letter of Assent, shall not be liable for any delinquency by such subcontractor in the payment of any wages or fringe benefits provided herein, except as may be required by State or Federal law.

(a) The Contractor(s) will give written notice and a copy of the Letter of Assent to the Council of any subcontract involving the performance of work covered by this Agreement within either five (5) days of entering such subcontract or before the subcontractor commences work on the Project, whichever occurs first, and shall specify the name and address of the subcontractor. Written notice at a Preconstruction Conference shall be deemed written notice under this provision for those subcontractors listed at the Prejob Meeting only.
(b) Thereafter, if such subcontractor should become delinquent in the payment of any wages or benefits as above specified, the Trust Fund shall immediately give written notice thereof to the Contractor(s) and to the subcontractor specifying the nature and amount of such delinquency.

(c) The provision of this Section 5.6 shall be applied only to the extent permitted by law and, notwithstanding any other provision of the Agreement, no aspect of the subcontractors' clause, including its enforcement, may be enforced by or subject to strike or picketing.

(d) If the Contractor(s) selects the subcontractor(s) and is signatory to a Master Agreement that provides the higher level contractor shall remain liable for the defaults of the subcontractor, nothing in this Agreement shall interfere with the Contractor(s)' responsibilities and liabilities under the Master Agreement.

5.7 (a) With regard to any employer that is independently signed to any Master Labor Agreement ("MLA"), this Project Labor Agreement shall in no way supersede or prevent the enforcement of any subcontracting clause contained in such MLA, except as specifically set forth in subsection (b) of this section. Any such subcontracting clause in an MLA shall remain enforceable between each Union and its signatory employers, and no provision of this Project Labor Agreement shall be interpreted and/or applied in any manner that would give this Project Labor Agreement precedence over subcontracting obligations and restrictions that exist between Unions and their respective signatory employers under an MLA, except as specifically set forth in subsection (b) of this section.

(b) If a Union (hereafter "aggrieved union") believes that an assignment of work on this Project has been made improperly by a contractor or subcontractor, even if that assignment was as a result of another Union's successful enforcement of the subcontracting clause in its MLA, as permitted by subsection (a) of this section, the aggrieved union may submit a claim under the jurisdictional resolution process contained in Article 15 of this Project Labor Agreement, and the decision rendered as part of that process shall be enforceable to require the contractor or subcontractor that made the work assignment to assign that work prospectively to the aggrieved union. An award made to a Union under the subcontracting clause of its MLA, as permitted pursuant to subsection (a) of this section, shall be valid and fully enforceable by that Union unless it conflicts with a jurisdictional award made pursuant to this Project Labor Agreement. If the award made under the MLA conflicts with the jurisdictional award, the award of any damages under the former shall be null and void ab initio.

ARTICLE 6
WORK STOPPAGES, STRIKES, SYMPATHY STRIKES AND LOCKOUTS

6.1 The Unions, District and Contractor(s) agree that for the duration of this Agreement:

(a) There shall be no strikes, sympathy strikes, work stoppages, picketing, handbilling or otherwise advising the public that a labor dispute exists, or slowdowns or disruptions of any kind, for any reason, by the Union(s) or employees employed on a Project, at the job site of the Project or at any other facility of the District because of a dispute on a Project or other projects involving
a contractor or subcontractor, of any tier, or due to any labor dispute arising at the project site or any other District site. Disputes arising between the Union(s) and Contractor(s) on other District projects are not governed by the terms of this Agreement, except that the existence of such disputes or actions taken in furtherance of such disputes may not be used to affect work on projects covered by this Agreement. A Union may withhold labor (but not picket) due to a Contractor's or subcontractor's failure to make Trust Fund contributions or failure to meet its payroll on this Project, and such withholding of labor shall not be considered a violation of this Article. In the case of non-payment of Trust Fund contributions, a Union shall give the General Contractor and the District Representative five (5) business days notice prior to withholding labor from the Contractor or Sub-contractor during which time, the General Contractor shall have the opportunity to cure the default.

(b) As to employees employed on a Project, there shall be no lockout of any kind by a Contractor(s) covered by the Agreement.

(c) If a Master Agreement between a contractor(s) and the Union(s) expires before the Contractor(s) completes the performance of a Construction Contract and the Union or contractor(s) gives notice of demands for a new or modified Master Agreement, the Union(s) agrees that it will not strike the Contractor(s) on said contract for work covered under the Agreement and the Union(s) and the Contractor(s) agree that the expired collective bargaining agreement shall continue in full force and effect for work covered under the Agreement until a new or modified Master Agreement is reached between the Union(s) and Contract Employer. If the new or modified Master Agreement reached between the Union(s) and contractor(s) provides that any terms of compensation of the Master Agreement shall be uniformly retroactive for all contractors bound to the Master Agreement, the Contractor(s) agrees to comply with any retroactive terms of the new or modified Master Agreement which is applicable to employees employed on a Project during the interim period within seven (7) days.

6.2 Any party to the Agreement may institute the following procedure, in lieu of or in addition to any other action at law or equity, when a breach of this Article is alleged to have occurred:

(a) A party invoking this procedure shall notify Gerald McKay, as the permanent arbitrator, or, Thomas Angelo, as the alternate under this procedure. In the event that the permanent arbitrator is unavailable at any time, the alternate will be contacted. If neither is available, then a selection shall be made from the list of arbitrators in Article 12.2. Notice to the arbitrator shall be by the most expeditious means available, with notices by e-mail, facsimile or telephone to the party alleged to be in violation and to the Building and Construction Trades Council of Alameda County, AFL-CIO.

(b) Upon receipt of said notice, the designated arbitrator named above or his/her alternate will designate a place for, schedule and hold a hearing within twenty-four (24) hours.
(c) The arbitrator shall notify the parties by facsimile or telephone of the place and
time for the hearing. Said hearing shall be completed in one session, which, with
appropriate recesses at the arbitrator's discretion, shall not exceed twenty-four
(24) hours unless otherwise agreed upon by all parties. A failure of any party to
attend said hearings shall not delay the hearing of evidence or the issuance of
any award by the arbitrator.

(d) The sole issue at the hearing shall be whether or not a violation of this Article of
the Agreement has occurred. The arbitrator shall have no authority to consider
any matter of justification, explanation or mitigation of such violation or to award
damages, which issue is reserved for court proceedings, if any. The award shall
be issued in writing within three (3) hours after the close of the hearing, and may
be issued without a written opinion. If any party desires a written opinion, one
shall be issued within fifteen (15) days, but its issuance shall not delay
compliance with or enforcement of the award. If the arbitrator determines there
exists a violation of this Article the arbitrator shall order cessation of the violation
of this Article and other appropriate relief and such award shall be served on all
parties by hand or registered mail upon issuance.

(e) The award shall be final, binding and non-revisable as to the merits. Such award
may be enforced by any Court of competent jurisdiction upon the filing of this
Agreement and all other relevant documents referred to above in the following
manner. Written notice of the filing of such enforcement proceedings shall be
given to the other party in the proceeding to obtain a temporary order enforcing
the arbitrator's award as issued under Section 6.2 (d) of this Article, all parties
waive the right to a hearing and agree that such proceedings may be ex parte.
Such agreement does not waive any party's right to participate in a hearing for a
final order or enforcement. The Court's order or orders enforcing the arbitrator's
award shall be served on all parties by hand or delivered by certified mail.

(f) Any rights created by statute or law governing arbitration proceedings
inconsistent with the above procedure or which interfere with compliance are
waived by the parties.

(g) The costs of the arbitration, including the fee and expenses of the Arbitrator, shall
be borne by the losing party.

(h) The District PLA Program Manager is a party of interest in all proceedings arising
under this Article and shall be sent contemporaneous copies of all notifications
required by these Articles, and at its option, may participate as a full party in any
proceeding initiated under these articles.

(i) If the arbitrator determines in accordance with this article that a work stoppage
has occurred, the respondent Union(s) shall, within eight (8) hours of receipt of
the award, direct all the employees they represent on the Project to immediately
return to work. If the craft(s) involved does not return to work by the beginning of
the next regularly scheduled shift following such eight (8) hour period after
receipt of the arbitrator's award, and the respondent Union(s) have not complied
with their obligation to immediately instruct, order, and use their best efforts to
cause a cessation of the violation and return of the employees they represent to
work, the respondent Union(s) shall each pay a sum as liquidated damages to the District, and each shall pay an additional sum per shift for each shift thereafter on which the craft(s) has not returned to work.

Similarly, if the arbitrator determines in accordance with this article that a lock-out has occurred, the respondent Contractor(s) shall, within eight (8) hours of receipt of the award, return all of the affected employees to work on the Project, or otherwise correct the violation as found by the arbitrator. If the respondent Contractor(s) do not take such action by the beginning of the next regularly scheduled shift following the eight (8) hour period, each respondent Contractor(s) shall pay a sum as liquidated damages to the affected Union(s) (to be apportioned among the affected employees and the benefit funds to which contributions are made on their behalf, as appropriate and designated by the Arbitrator) and each shall pay an additional sum per shift for each shift thereafter in which compliance by the respondent Contractor(s) has not between completed.

The Arbitrator shall retain jurisdiction to determine compliance with this article and to establish the appropriate sum of liquidated damages, which shall not be less than one thousand dollars ($1,000.00) nor more than fifteen thousand dollars ($15,000.00) for each shift.

**ARTICLE 7**

**PRE-JOB MEETING**

7.1 A pre-job meeting shall be held at the Building Trades offices prior to the commencement of each Construction Contract to establish the scope of work in each Contractor's Construction Contract. It shall be the responsibility of the Prime Contractor(s) to set such meeting. The District will notify the Union(s) of award of all covered projects prior to commencement of work. Such pre-job meeting shall be attended by a representative each from the participating Contractor(s) and Union(s) and the District PLA Program Manager. When a Construction Contract has been let to a Contractor, a pre-job meeting shall be required unless waived by agreement of the Council, the Contractor and the District.

7.2 All work assignments shall be disclosed by each Contractor at the pre-job meeting. The Contractor(s) shall notify the District PLA Program Manager at least two weeks before starting work under the Agreement, and the District PLA Program Manager shall coordinate the scheduling of the pre-job meeting with the Council, the Contractor(s) and the affected Union(s).

**ARTICLE 8**

**NONDISCRIMINATION**

8.1 The Union(s) and Contractor(s) shall not discriminate against any employee or applicant for employment because of race, creed, color, sex, sexual orientation, national origin, age, religion, disability as identified in the Americans with Disabilities Act, union or non-union membership or any other basis recognized by law.
ARTICLE 9
UNION RECOGNITION

9.1 The Contractor(s) recognize the Union(s) as the sole bargaining representative of all craft employees working within the scope of the Agreement. The Parties acknowledge that the collective bargaining relationship so established is a “pre-hire” relationship permitted by Section 8(f) of the National Labor Relations Act, except that this provision does not change any pre-existing Section 9(a) collective bargaining relationship that exists between any Contractor and Union parties to this Agreement.

9.2 No employee covered by the Agreement can be required to join any Union as a condition of being first employed on the Project; provided, however, that an employee who is a member of the referring Union at the time of the referral shall maintain that membership while employed on a Project subject to this Agreement. All employees shall, however, on or before the 8th day of consecutive or cumulative employment on the Project pay the uniform initiation fees and dues of the applicable craft Union and shall comply with the Union Recognition provision for the period during which they are performing Project construction work on the property of the District. The Contractor(s) agree to deduct initiation fees, Union dues or representation fees from the pay of any employee who executes a voluntary authorization for such deductions and to remit the dues and fees to the applicable Union or Council.

ARTICLE 10
REFERRAL

10.1 The selection of craft foremen and general foremen shall be entirely the responsibility of the Contractor(s), it being understood that in the selection of such foremen, the Contractor(s) will give first consideration to the qualified individuals available in the local area. Foremen and general foremen shall take orders from the designated Contractor(s) representatives.

The Unions shall be the first source of referral of employees to the Project and the contractor(s) agree to be bound by the lawful hiring hall rules and procedures of the respective Union(s). Contractors agree to be bound by the hiring practices of the respective Unions, including the hiring of apprentices, and to utilize their registration facilities and referral systems when workers are available, capable and willing to work on PLA covered projects.

10.2 The Contractor(s) shall have the unqualified right to select and hire directly all supervisors above general foreman it considers necessary and desirable, without such persons being referred by the Union(s).

10.3 In the event that referral facilities maintained by the Unions are unable to fill the requisition of a Contractor(s) for employees within a forty-eight (48) hour period (Saturday, Sundays and Holidays excluded) after such requisition is made by the Contractor(s), the Contractor(s) shall be free to obtain work persons from any source. Unions will exert their utmost efforts to recruit sufficient numbers of skilled craft persons to fulfill the requirements of the Contractor(s). The parties to this Agreement support the development of increased numbers of skilled construction workers from the residents of Alameda County; residents of Alameda, Albany, Berkeley, Emeryville, Piedmont and especially
the City of Oakland; to meet the needs of the PLA Program and the requirements of the industry generally. Toward that end, the Unions agree to encourage the referral and utilization, to the extent permitted by law and the hiring hall procedures, of qualified Alameda County residents as journeymen and apprentices on this PLA Program and, consistent with the State-approved Apprenticeship Standards, encourage entrance into such apprenticeship and training programs as may be offered by the Peralta Community College District or operated by the signatory Unions.

10.4 The Parties recognize the District's commitment to provide opportunities to participate on the Project to emerging small business enterprises that may not have previously had a relationship with the Unions signatory to this Agreement. To ensure that such enterprises will have an opportunity to employ their "core" employees on this Project, the parties agree that in those situations where a Contractor not a party to a current collective bargaining agreement with the signatory Union having jurisdiction over the affected work is a successful bidder, the Contractor may request by name, and the local will honor, referral of persons who have applied to the local union for Project work and who demonstrate the following qualifications:

(a) possess any license required by state or federal law for the Project work to be performed;

(b) have worked a total of at least one thousand (1000) hours in the construction craft during the prior three (3) years;

(c) were on the Contractor's active payroll for at least ninety (90) out of the one-hundred eighty (180) calendar days prior to the contract award; and

(d) have the ability to perform safely the basic functions of the applicable trade.

(e) The Union will refer to such Contractor one journeyman employee from the hiring hall out-of-work list for the affected trade or craft, and will then refer one of such Contractor's "core" employees as a journeyman and shall repeat the process, one and one, until such Contractor's crew requirements are met or until such Contractor has hired five (5) "core" employees, whichever occurs first. Thereafter, all additional employees in the affected trade or craft shall be hired exclusively from the hiring hall out-of-work list(s). For the duration of the Contractor's work the ratio shall be maintained and when the Contractor's workforce is reduced, employees shall be reduced in the same ratio of core employees to hiring hall referrals as was applied in the initial hiring.

ARTICLE 11
WAGES AND BENEFITS

11.1 All Contractors, agree to pay contributions to the established vacation, pension and other form of deferred compensation plan, apprenticeship, and health benefit Trust Funds established by the applicable Master Agreement(s) for each hour worked on the Project in the amounts designated in the Master Agreements of the appropriate local Unions for all of those benefits and contributions contained in the applicable prevailing wage determination. The Contractor(s) shall not be required to pay contributions to any
other trust funds that are not contained in the published prevailing wage determination to satisfy their obligation under this Article except those Contractor(s) who are signatory to the Master Agreements with the respective trades shall continue to pay all trust fund contributions as outlined in such Master Agreements.

11.2 By signing a Letter of Assent binding this Agreement, the Contractor(s) adopt and agree to be bound by the written terms of the legally established Trust Agreements, specifying the detailed basis on which payments are to be made into, and benefits paid out of, such Trust Funds.

11.3 **Wages, Hours, Terms and Conditions of Employment:** The wages, hours, classifications and other terms and conditions of employment on a Project shall be governed by the Master Agreement of the respective craft Unions, copies of which shall be on file with the District, to the extent such Master Agreement is consistent with the applicable prevailing wage determination and this Agreement.

(a) At all times while working under the Agreement, the Contractor(s) is obligated to make compensation payments and benefit contributions to or on behalf of the employee in a total amount no less than required by the applicable prevailing wage.

(b) Each Contractor and subcontractor shall be required to certify in writing that it has paid all wages and benefit contributions due and owing prior to receipt of its final payment and/or retention.

(c) Contractors of whatever tier shall make regular and timely contributions required by this section in the amounts set forth in the appropriate prevailing wage determination and on the time schedule required by the Master Agreement. Delinquency in remission of contributions is a breach of this Agreement. If a Contractor or subcontractor is delinquent in any such contributions, the Union or the Trust Fund shall provide timely notification to District or the District PLA Program Manager after efforts by the Fund to resolve the delinquency have been exhausted, and provide documentary evidence of the delinquency endorsed by the Fund. Upon such notification, the District or the District PLA Program Manager will attempt to resolve the delinquency among the Contractor or subcontractor, the Union and the Fund. If the delinquency is not resolved within ten (10) working days thereafter, the Contractor, in the case of a delinquent subcontractor, shall withhold an amount to cover the delinquency from any retained funds otherwise due and owing to the subcontractor and shall not release such withholding until the subcontractor is in compliance, provided, however, that if the delinquent amount is undisputed in whole or in part between the Fund and the delinquent subcontractor, the Contractor shall issue a joint check payable to the Fund and the subcontractor in the amount of the undisputed delinquency. In the case of a delinquent prime Contractor, the District or the District PLA Program Manager shall withhold, in an appropriate amount, any funds due and owing to the Contractor. Pursuant to the announced commitment of the District, and to the extent permitted by law, the Contractor shall be subject to withholding of retained amounts which may only be released upon the Contractor's resolution of the delinquency as evidenced by a written statement endorsed by the Fund. Where there is no dispute as to the amount of the delinquency, retained amounts may be released by a joint check payable to the Contractor and the Fund in the amount of any undisputed delinquency.
ARTICLE 12
GRIEVANCE ARBITRATION PROCEDURE

12.1 Any dispute alleging violation of this Agreement, including the applicable Master Agreement, but excluding jurisdictional disputes and alleged violations of Article 6, shall be considered a grievance and resolved in accordance with the procedures set forth herein. A signatory Contractor and Union shall agree to resolve a grievance that involves solely the interpretation of the Master Agreement under the grievance and arbitration provisions of the Master Agreement. A grievance shall be considered null and void if not brought in writing and delivered to both the involved party and Program Manager within ten (10) working days after the incident that initiated the alleged grievance was discovered. The term ‘working days’ as used in this section shall exclude Saturdays, Sundays or holidays regardless of whether any work is actually performed on such days.

12.2 **Grievances shall be settled according to the following procedures:**

**Step 1:** Within five (5) business days after the receipt of the written notice of the grievance, the Business Representative of the involved Local Union or Council, or its designee, or the representative of the employee, and the representative of the involved Contractor(s) shall confer and attempt to resolve the grievance.

**Step 2:** In the event that the representatives are unable to resolve the dispute within the five (5) business days after its referral to Step 1, either involved party may submit it within five (5) business days to the Grievance Committee, which shall meet within five (5) business days after such referral (or such longer time as is mutually agreed upon by all representatives on the Grievance Committee), to confer in an attempt to resolve the grievance.

The Grievance Committee shall be comprised of one (1) representative of the District; one (1) representative of the District PLA Program Manager; and two (2) representatives of the Alameda County Building and Construction Trades Council. If the dispute is not resolved within such time (five (5) business days after its referral or such longer time as mutually agreed upon), it may be referred within five (5) business days thereafter by either party to Step 3.

**Step 3:** Within five (5) business days after referral of a dispute to Step 3, the representatives shall choose a mutually agreed upon arbitrator for final and binding arbitration. The parties agree that an arbitrator shall be selected by the alternate striking method from the following list noted. The selection party who shall strike the first name shall be selected by the toss of a coin.

1. Barbara Kong-Brown
2. Thomas Angelo
3. William Riker
4. Gerald McKay
5. Jerri-Lou Cossack

The decision of the Arbitrator shall be binding on all parties. The Arbitrator
shall have no authority to change, amend, add to or detract from any
provisions of the Agreement. The expense of the Arbitrator shall be borne
by the losing party. The Arbitrator shall arrange for a hearing on the
earliest available date from the date of his/her selection. A decision shall
be given to the parties within five (5) calendar days after completion of the
hearing unless such time is extended by mutual agreement. A written
opinion may be requested by a party from the presiding Arbitrator.

The time limits specified in any step of the Grievance Procedure set forth
in Section 12.2 may be extended by mutual agreement of the parties
initiated by the written request of one party to the other, at the appropriate
step of the Grievance Procedure. However, failure to process a
grievance, or failure to respond in writing within the time limits provided
above, without an agreed upon extension of time, shall be deemed a
waiver of such grievance without prejudice, or without precedent to the
processing of and/or resolution of like or similar grievances or disputes.

In order to encourage the resolution of disputes and grievances at Steps 1
and 2 of this Grievance Procedure, the parties agree that such
settlements shall not be precedent setting.

ARTICLE 13
SAFETY AND HEALTH

13.1 In accordance with the requirements of the Occupational Safety and Health Act, it shall
be the exclusive responsibility of each Contractor on the job site to ensure safe working
conditions for its employees and their compliance with any safety rules contained herein
or established by the District, its representatives, and/or the Contractor(s). Nothing in
this Agreement shall be interpreted to make the Unions liable for safety violations that
may occur on the Project. It is understood that the employees have an individual
obligation to use diligent care to perform their work in a safe manner and to protect
themselves and the property of the Contractor(s) and the District. An employee’s failure
to satisfy his/her obligation under this article will subject him/her to corrective action.

13.2 In order to minimize any disturbance to the student population, Contractors’ employees
are to restrict their presence to the Project site and not visit other areas of the campus to
the extent possible of carrying out their duties.

ARTICLE 14
COMPLIANCE

14.1 It shall be the responsibility of the Contractor(s) and Union(s) to investigate and monitor
compliance with the provisions of the Agreement contained in Article 11. Nothing in this
agreement shall be construed to interfere with or supersede the usual and customary
legal remedies available to the Unions and/or employee benefit Trust Funds to collect delinquent Trust Fund contributions from Contractors on the Project.

14.2 The District, through the services of the District PLA Program Manager, shall monitor compliance enforcement measures to ensure the Contractor(s) compliance with the Construction Contract conditions of the Agreement.

14.3 The parties to this Agreement intend to ensure the best possible harmony in labor-management relations on the Project and recognize that the Administrator shall strive to encourage the Parties toward that end.

In an effort to achieve that labor-management harmony the Parties shall establish a four (4) person Joint Administrative Committee. This Committee shall be comprised of two (2) representatives selected by the Administrator and two (2) from the Unions, one of whom will be a representative from the Council. Each representative shall designate an alternate who shall serve in his or her absence for any purpose contemplated by this Agreement. The Committee will be co-chaired by the Administrator and the representative from the Council.

The Joint Administrative Committee shall meet as required to review the implementation of the Agreement and the progress of the Project and resolve problems and/or grievances by majority vote with such resolutions to be binding on all signatories of the Agreement as provided herein. Any question regarding the meaning, interpretation, or application of the provisions of this Agreement shall be first referred directly to the Joint Administrative Committee for resolution. The Joint Administrative Committee will meet upon the call of either co-chair, upon provision of sufficient notice of the issue to be discussed.

ARTICLE 15
JURISDICTIONAL DISPUTES

15.1 The Contractor/Employer(s) shall assign work on the basis of traditional craft jurisdictional lines.

15.2 There shall be no strikes, picketing, sympathy strikes, leafleting or work disruption or stoppages of any kind because of jurisdictional disputes.

15.3 When conflicting claims for work on the Project are submitted to a Contractor/Employer, the dispute shall be resolved pursuant to agreed upon Jurisdictional Dispute Procedures, as adopted by the National Building & Construction Trades Department, or by the Mechanical Allied Crafts (MAC), or by the Northern California Basic Crafts Alliance (NCBCA) Jurisdictional Dispute Resolution Procedures. It is understood by the parties that these Procedures might be amended from time to time. In the event a jurisdictional dispute arises between two or more Unions affiliated with the National Building & Construction Trades Department, such dispute shall be resolved by the procedure set forth in the Plan for the Settlement of Jurisdictional Disputes in the Construction Industry. In the event a jurisdictional dispute arises between two or more Unions affiliated with the MAC, such dispute shall be resolved under the MAC Procedure. In the event a jurisdictional dispute arises between two or more Unions affiliated with the NCBCA, such dispute shall be resolved under the NCBCA Procedure.
15.4 In the event a jurisdictional dispute arises between two or more Unions that are not stipulated to the same jurisdictional dispute resolution procedure, the dispute shall be handled in accordance with and resolved as follows:

15.5 In the event a jurisdictional dispute arises while the parties are attempting to negotiate an alternative resolution mechanism either party may refer the jurisdictional dispute to the General Presidents of the affected unions, and if the General Presidents cannot resolve the dispute within five (5) business days of the dispute being referred to them for resolution, the dispute shall be resolved as follows:

15.6 The dispute shall be submitted to arbitration before an arbitrator selected from the Panel of Permanent Arbitrators for resolution. The Panel of Permanent Arbitrators shall be composed of: David Nevins, Gerald McKay, Robert Hirsch, William Riker and Barry Winograd. The Arbitrator shall be selected by alternately striking the names of Arbitrators from the list of five (5) permanent Arbitrators. The order of striking names from the list of arbitrators shall be determined by a coin toss, the winner of which shall decide whether they wish to strike first or second. Such striking shall take place within three (3) days. If a party does not respond within three (3) days, this means any Arbitrator from the list is acceptable. The remaining Arbitrator shall serve as the Arbitrator who shall hear the dispute on an expedited basis, but in no case longer than seven (7) days, and resolve the dispute. The Arbitrator shall render his decision within three (3) days of the hearing.

15.7 In rendering his decision, the Arbitrator shall determine:

1. First, whether a previous agreement of record or applicable agreement, including a disclaimer agreement, between the National and International Unions to the dispute governs;

2. Only if the Arbitrator finds that the dispute is not covered by an appropriate or applicable agreement of record or agreement between the crafts to the dispute, he shall then consider the established trade practice in the industry and prevailing practice in the locality. Where there is a previous decision of record governing the case, the Arbitrator shall give equal weight to such decision of record, unless the prevailing practice in the locality in the past ten (10) years favors one craft. In that case, the Arbitrator shall base his decision on the prevailing practice in the locality. Except, that if the Arbitrator finds that a craft has improperly obtained the prevailing practice in the locality through raiding, the undercutting of wages or by the use of vertical agreements, the Arbitrator shall rely on the decision of record and established trade practice in the industry rather than the prevailing practice in the locality.

3. Only if none of the above criteria is found to exist, the Arbitrator shall then consider that because efficiency, cost or continuity and good management are essential to the well being of the industry, the interests of the consumer or the past practices of the employer shall not be ignored.

4. The Arbitrator shall comply with the Code of Professional Responsibility for Arbitrators of Labor Management Disputes jointly adopted by the National Academy of Arbitrators, the American Arbitration Association and the Federal Mediation and
Conciliation Service. The Arbitrator shall set forth the basis for his decision and shall explain his findings regarding the applicability of the above criteria. If lower-ranked criteria are relied upon, the Arbitrator shall explain why the higher-ranked criteria were not deemed applicable. The Arbitrator's decision shall only apply to the job in dispute.

5. Agreements of record are applicable only to the parties signatory to such agreements. Decisions of record are applicable to all trades.

6. The Arbitrator is not authorized to award back pay or any other damages for a misassignment of work. Nor may any party to this Plan bring an independent action for back pay or any other damages, based upon a decision of an Arbitrator.

7. Each party to the arbitration shall bear its own expense for the arbitration and agrees that the fees and expenses of the Arbitrator shall be borne by the losing party or parties.

15.8 ENFORCEMENT

1. Any decision or interpretation rendered by an arbitrator shall be immediately accepted and complied with by all parties subject to this Agreement. If a party fails to accept and comply with a decision or interpretation rendered by an arbitrator, any party to the dispute may seek court enforcement of the decision or ruling.

2. The Arbitrator shall have no authority to undertake any action to enforce his decision after a hearing beyond informing the affected parties of his decision. Rather, it shall be the responsibility of the prevailing party to seek appropriate enforcement of a decision. The prevailing party in any enforcement proceeding shall be entitled to recover its reasonable costs and attorney fees from the non-prevailing party. In the event the Arbitrator is made a party to, or is otherwise required to participate in any such enforcement proceedings for whatever reason, the non-prevailing party shall bear all reasonable costs, attorney fees, and any other expenses incurred by the Arbitrator in those proceedings.

15.9 If there is a strike, sympathy strike, work stoppage, slowdown, picketing or otherwise advising the public that a labor dispute exists or interference with the progress of the Project by reason of a jurisdictional dispute, the Contractor/Employer (who has complied with the Arbitrator's decision) affected by said Union conduct, shall have the right to seek full legal redress in the Courts of California, including injunctive relief and damages.

ARTICLE 16
LOCAL HIRING PROGRAM

16.1 The objective of the District in creating a Local Hiring Program is to enhance and encourage employment opportunities for local area residents to enable effective pathways into the construction industry and into Union Apprenticeship programs. To that end, as part of the Agreement, the District establishes goals for the hiring and retention of local area residents.
16.2 **Local Hiring Program Goals**

(a) Hiring Priority:

1. Fifty percent (50%) of all hours worked on covered projects, on a craft by craft basis will be worked by local area residents as defined in Article 1, Section 1.12, if such workers are available, capable and willing to work on the project and dispatched through the utilization of the normal hiring hall procedures.

2. (i) Subject to any restrictions contained in law, the Parties agree to a goal that apprentices will perform twenty percent (20%) of the total craft work hours unless an applicable Schedule A provides for a greater percentage. The Union agrees to cooperate with the Contractor in furnishing apprentices as requested and they shall be properly supervised and paid in accordance with provisions contained within the Schedule A.

(ii) The parties agree to a goal that only local area residents as defined in Article 1, Section 1.12 shall be utilized as apprentices. The Contractor shall make good faith efforts to reach this goal through the utilization of normal hiring hall and apprentice procedures and, when appropriate, the identification of potentially qualified apprentices through community-based organizations working in collaboration with the apprentice programs. The Unions are committed to working with the contractors and community-based organizations to reach these goals.

(iii) All apprentices referred to Contractors under this Agreement shall be enrolled in State of California approved Joint Apprenticeship Programs.

16.3 (a) Contractors may achieve up to fifty percent (50%) compliance with these local hiring goals and timelines through the employment of local area resident journeymen, existing apprentices and newly indentured resident apprentices on non-District projects during the time period that the Contractors are working on District Projects.

16.4 **Good Faith Efforts:**

A Contractor and its subcontractors must take the following good faith steps to demonstrate that it has made every effort to reach the local hiring goals of the District. The contractor shall attend scheduled pre-job meetings held by the PLA Program Manager pertaining to work they will performed. The contractor must submit written workforce projections and projected work hours on a craft by craft basis.

(a) Within seven calendar days after the Notice to Proceed, the Contractor shall meet with the PLA Program Manager to present its plan for reaching the local hiring goals.

(b) The Contractor shall notify the PLA Program Manager by US mail or email, if a Union hiring hall cannot, upon request of the contractor, dispatch local area residents, as defined herein. It shall be the responsibility of the contractor to retain all evidence of such good faith efforts.
(c) The contractor shall use the "Name Call," "Rehire" or other available hiring hall procedures to reach goals.

(d) The contractor shall use local CBOs working in collaboration with the apprentice programs for recruiting local residents to apprentice programs specified in section 16.2(c), if a union cannot provide local area residents as requested, and in conformity with the collectively bargained union hiring hall agreement.

16.5 **Consequences for Non-Compliance with Goals**

(a) The PLA Program Manager in coordination with District staff and the Local Hiring Committee shall consider allegations of non-conformance with the goals. If there is a determination that a Contractor has not complied with the goals or demonstrated good faith efforts to do so, the PLA Program Manager will refer the issue to the Local Hiring Committee for review.

(b) If the Local Hiring Committee (see 16.6) finds a Contractor to be in apparent non-compliance, it will be referred to arbitration in accordance to step 3 of the grievance arbitration procedure upon direction by the Committee.

(c) At any time during the process of compliance review, the Contractor can negotiate a settlement with the Local Hiring Committee.

16.6 **Local Hiring Committee**

(a) The Parties agree to various provisions of the Agreement to attempt to achieve the inclusion of local area residents in the employment opportunities created by the covered work. In order to implement and monitor the progress of these provisions, the District and the Unions, in recognition of their mutual commitment to and the partnership they have established, to achieve those goals, shall form a Local Hiring Committee composed of participants mutually agreed upon by both Parties.

(b) The Local Hiring Committee will serve as the central forum and deliberative body for representatives of all interested or affected parties to exchange information and ideas concerning the operation and results of the District's local hiring program and the ongoing role of this Agreement as an integral component of the local hire program. As part of these responsibilities, the Committee will assess the obstacles to success for achieving inclusion of local workers in the construction opportunities. The Committee shall make program recommendations to overcome obstacles to effective local hiring.

(c) The Local Hiring Committee will be comprised of three (3) representatives of the community one of whom will be primarily involved in preparatory training for prospective construction applicants, three (3) representatives from the Unions, three (3) Contractor representatives, one (1) representative from the PLA Program Manager and one (1) representative from the Council.

(d) The Committee shall establish its rules of procedure.

(e) Committee meeting will by chaired by the District and the Council on a rotating basis.

16.7 **Local Hiring Committee Meetings**

(a) The Committee will meet monthly at the call of the Chair.
(b) The PLA Program Manager will establish agenda topics with input from the Committee and send notices of meetings with the agenda in advance of the meetings.

(c) The Committee will receive reports and consider work progress and practices, pre-apprentice recruitment, training and referral, apprentice development and utilization, contractor compliance with local hire goals and other issues of concern to the Program.

(d) The PLA Program Manager and the contractors shall report monthly on progress for these issues and provide ongoing workforce projections for each trade.

16.8 Monitoring and Reporting

The PLA Program Manager will assist the District in monitoring compliance with all local hiring policies and will report to the Local Hiring Committee. This monitoring will include attending progress meetings, site visits, monitoring of progress payments, utilization and verification of performance forms. Forms specific to this monitoring process will be developed. Monthly reports will be submitted to the District.

ARTICLE 17
MANAGEMENT RIGHTS

17.1 The Contractor retains the full and exclusive authority for the management of its operations and shall be responsible for the management and prosecution of the work consistent with the provisions of this Agreement. Except as expressly limited by other provisions of this Agreement and the attached applicable Master Agreement(s), the Contractor retains the right to direct the workforce, including the hiring, promotion, transfer within a contract, layoff, discipline or discharge for just cause of its employees; the selection of foremen; the assignment and schedule of work; the promulgation of reasonable work rules; and, the requirement of overtime work, the determination of when it will be worked and the number and identity of employees engaged in such work. No rules, customs, or practices which limit or restrict productivity, efficiency or the individual and/or joint working efforts of employees shall be permitted or observed. The Contractor may utilize any methods or techniques of construction. The lawful manning provisions of the applicable Master Agreement shall be recognized.

17.2 There shall be no limitation or restriction by a signatory Union upon a Contractor’s choice of materials or design, nor, regardless of source or location, upon the full use and utilization of equipment, machinery, packaging, pre-cast, pre-fabricated, pre-finished, or pre-assembled materials, tools, or other labor saving devices. This Agreement covers all on-site fabrication work over which the District, Contractor(s) or subcontractor(s) possess the right of control (including work done for the Project in any temporary yard or area near the Project.) This Agreement also covers all off-site fabrication work traditionally performed by any of the Unions, that is directly or indirectly part of the Project, provided such off-site fabrication work is covered by a provision of a local Master Labor Agreement or local addenda to a national agreement of the applicable Union(s). All of the work described in this paragraph is within the scope of this Agreement and is referred to as “Covered Work.”

The on-site installation, incorporation or application of all items shall be performed by the craft having jurisdiction over such work; provided, however, it is recognized that
installation of manufactured items may be performed by employees employed under this Agreement who may be directed by other personnel of the manufacturer in a supervisory role. For any work performed pursuant to this provision, the Contractor shall provide copies of the written warranty requirement to the Union and the District's PLA Program Manager prior to the commencement of work.

17.3 The use of new technology, equipment, machinery, tools and/or laborsaving devices and methods of performing work may be initiated by the Contractor from time-to-time during the Project. The Union agrees that it will not in any way restrict the implementation of such new devices or work methods. If there is any disagreement between the Contractor and the Union concerning the manner or implementation of such device or method of work, the implementation shall proceed as directed by the Contractor, and the Union shall have the right to grieve and/or arbitrate the dispute as set forth in Article 12 of this Agreement.

ARTICLE 18
SAVINGS CLAUSE

18.1 The parties agree that in the event any article, provision, clause, sentence or word of the Agreement is determined to be illegal or void as being in contravention of any applicable law, by a court of competent jurisdiction such as the Department of Industrial Relations, the Division of Apprenticeship Standards, and other applicable labor related governmental agencies the remainder of the Agreement shall remain in full force and effect. The parties further agree that if any article, provision, clause, sentence or word of the Agreement is determined to be illegal or void, by a court of competent jurisdiction or other labor related governmental authorities, the parties shall substitute, by mutual agreement, in its place and stead, an article, provision, clause, sentence or work which will meet the objections to its validity and which will be in accordance with the intent and purpose of the article, provision, clause, sentence or work in question.

18.2 The parties also agree that in the event that a decision of a court of competent jurisdiction materially alters the terms of the Agreement such that the intent of the parties is defeated, then the entire Agreement shall be null and void.

18.3 If a court of competent jurisdiction determines that all or part of the Agreement is invalid and/or enjoins the District from complying with all or part of its provisions and the District accordingly determines that the Agreement will not be required as part of an award to a Contractor(s), the Union(s) will no longer be bound by the provisions of Article 6.

ARTICLE 19
MISCELLANEOUS PROVISIONS

19.1 **Counterparts:** This Agreement may be executed in counterparts, such that original signatures may appear on separate pages, and when bound together all necessary signatures shall constitute an original. Facsimile signature pages transmitted to other parties to this Agreement shall be deemed equivalent to original signature.

19.2 **Warranty of Authority:** Each of the persons signing this Agreement represents and warrants that such person has been duly authorized to sign this Agreement on behalf of
the party indicated, and each of the parties by signing this Agreement warrants and represents that such party is legally authorized and entitled to enter into this Agreement.

19.3 **Ratification by Governing Board:** This Agreement shall not be binding on the District until it is approved by the Peralta Community College District Governing Board.

**ARTICLE 20**

**TERM**

20.1 The Agreement shall be included as a condition of the award of all Construction Contracts that are part of the PLA Program.

20.2 This Agreement shall become effective on the day the District Governing Board ratifies the Agreement and shall continue in full force and effect for a period of five (5) years, at which time this Agreement will be reviewed and considered for extension or renewal with modifications if appropriate. The term of this Agreement will be automatically extended for additional successive five (5) year terms unless the District, prior to the expiration of any such term and, after meeting with the Council and the Unions, finds in a public hearing that the work performed has been unsatisfactory, and gives the Council and Unions notice that it will not renew this Agreement. After the expiration of any term of this Agreement, the provisions of the Agreement shall continue to apply to those Projects subject to this Agreement until construction is completed. The parties may mutually agree in writing to amend, extend or terminate this Agreement at any time.

20.3 The parties agree to meet and confer annually, subsequent to approval of this Project Labor Agreement by the Peralta Community College District Governing Board, regarding the status of and experience with Projects covered by the Agreement and future projects to be covered by the Agreement.

**Peralta Community College District**

BY: [Signature]

Elihu Harris
Chancellor

DATE: 4/6/10

**Alameda County Building & Construction Trades Council AFL-CIO (Council)**

BY: [Signature]

Barry Luboviski
Secretary-Treasurer

DATE: __________________________

**Asbestos Workers, Local 16**

By: [Signature]

Steve Steele

**Boilermakers, Local 549**

By: [Signature]

Frank Secret
Bricklayers & Allied Craftsmen, Local 3

By: Tom Spear

District Council of Plasterers and Cement Masons of Northern California

By: Steve Scott

Plasterers, Local 66

By: Chester Murphy, Jr.

Elevator Constructors, Local 8

By: Pat McGarvey

Northern California Regional Council of Carpenters on behalf of, Carpenters, Local 713, Carpenters, Local 2236, Lathers, Local 68L, Pile Drivers, Local 34, Millwrights, Local 102

By: Robert Alvarado

Cement Masons, Local 300

By: Steve Scott

Electrical Workers, Local 595

By: Victor Uno

Laborers District Council on behalf of, Hod Carriers, Local 166, Laborers, Local 67, Laborers, Local 304

By: Jose Moreno
Hod Carriers, Local 166
By: _____________________________
Sam Robinson

Laborers, Local 67
By: _____________________________
Victor Para

Laborers, Local 304
By: _____________________________
Jose Zapien

Operating Engineers, Local 3
By: _____________________________
Russ Burns

District Council Ironworkers of the State of California and Vicinity
By: _____________________________
Joe Standley

Ironworkers, Local 378
By: _____________________________
Emilio Rivera

District Council 16, Painters & Allied Trades on behalf of Auto & Marine Painters, Local 1176, Carpet & Linoleum Layers, Local 12, Glaziers, Architectural Metal & Glassworkers, Local 169, Painters & Tapers, Local 3
By: _____________________________
Doug Christopher

Roofers and Waterproofers, Local 81
By: _____________________________
Doug Ziegler
Sheet Metal Workers, Local 104

By: Bruce Word

Sprinkler Fitters, Local 483

By: Stan Smith, Jr.

United Association of Steamfitters, Pipefitters, Plumbers & Gasfitters, Local 342

By: Jay Williams

Sign Display & Allied Crafts, Local 510

By: Mike Hardeman

Teamsters, Local 853

By: Rome Aloise

United Association of Journeyman & Apprentices of the Pipe Fitting Industry, Underground Utility / Landscape, Local 355

By: Dennis Soares
Sheet Metal Workers, Local 104

By: __________________________

Bruce Word

Sprinkler Fitters, Local 483

By: __________________________

Stan Smith, Jr.

United Association of Steamfitters, Pipefitters, Plumbers & Gasfitters, Local 342

By: __________________________

Jay Williams

Sign Display & Allied Crafts, Local 510

By: __________________________

Mike Hardeman

Teamsters, Local 853

By: __________________________

Rome Aloice

United Association of Journeyman & Apprentices of the Pipe Fitting Industry, Underground Utility / Landscape, Local 355

By: __________________________

Dennis Soares
LETTER OF ASSENT
PROJECT LABOR AGREEMENT

The undersigned, as a Contractor on the Peralta Community College Project, ("Project"), subject to the Project Labor Agreement ("Agreement"), for and in consideration of the award to it of a contract to perform work on said Project, and in further consideration of the promises made in the Agreement and all attachments a copy of which was received and is acknowledged, hereby:

1.)    Accepts and agrees to be bound by the terms and conditions of the Agreement, together with any and all amendments and supplements now existing or which are later made thereto only for the duration and scope of the Contractor's work on the Project.

2.)    The Contractor agrees to be bound by the legally established trust agreements designated in local master collective bargaining agreements. The Contractor authorizes the parties to such local trust agreements to appoint trustees and successor trustee to administer the trust funds and hereby ratifies and accepts the trustees so appointed as if made by the Contractor.

3.)    Certifies that it has no commitments or agreements which would preclude its full and complete compliance with the terms and conditions of said Agreement.

4.)    Agrees to secure from any Contractor(s) (as defined in said Agreement) which are or become a subcontractor (of any tier) to it, a duly executed Agreement to be Bound in a form identical to this document.

DATED: ______________  Name of Contractor ________________________________

(Authorized Officer & Title) ________________________________

Contractor's State License #______________________________

Project Name ________________________________

Contract Number ________________________________

Name of Prime Contractor or Higher Level Subcontractor ________________________________
LETTER OF UNDERSTANDING ADDRESSING LOCAL BUSINESS UTILIZATION

During negotiations, the District and the Building Trades Council discussed local business participation on District projects that will be covered by the Project Labor Agreement. The District, the Building Trades Council and the Affiliates of the Council agreed that such participation will benefit the local community and insure additional opportunities for work that is not covered by the Project Labor Agreement.

It is therefore agreed that every effort will be taken to encourage all participating Contractors to use good faith efforts to obtain supplies, materials and goods from local suppliers and manufacturers. Such ancillary off site support services include fabrication of: millwork, cabinets and modular furniture, electrical components, miscellaneous ornamental iron, prefinishing of materials and also the furnishing of building materials and office supplies used during construction.

Therefore, the District, the Building Trades Council and the Unions will make every effort to encourage use of local businesses on non-covered work needed to construct the College facilities.

Sincerely,

[Signature]

Elihu Harris, Chancellor
on behalf of the Peralta Community College District

AGREED AND ACCEPTED on behalf of the Building and Construction Trades Council of Alameda County, AFL-CIO and the Local Unions signatory to the Peralta Community College District Construction Project Labor Agreement this 21st day of July 2009.

[Signature]

Barry Luboviski, Secretary-Treasurer
Building and Construction Trades Council of Alameda County, AFL-CIO
Attachment C

We, the undersigned parties agree to the two side letters, dated July 21, 2009:

"Term of Project Labor Agreement Side Letter" and
"Helmets to Hardhats Program Side Letter"

These two side letters are addendum to the Project Labor Agreement, and shall constitute the entire Agreement. The effective date of the Agreement is July 21, 2009. Mr. Barry Luboviski, Secretary-Treasurer confirms that all parties agree to the side letters, along with the Project Labor Agreement, and all Union Signatories will confirm their agreement below.

Peralta Community College District Construction

BY: [Signature]

Elihu Harris
Chancellor

DATE: ______________________

Asbestos Workers, Local 16

By: [Signature]

Steve Steele

Bricklayers & Allied Craftsmen, Local 3

By: [Signature]

Tom Spear

District Council of Plasterers and Cement Masons of Northern California

By: ______________________

Steve Scott

Alameda County Building & Trades Council AFL-CIO (Council)

BY: [Signature]

Barry Luboviski
Secretary-Treasurer

DATE: 7-21-2009

Boilermakers, Local 549

By: ______________________

Dale Bilyeu

Northern California Regional Council of Carpenters on behalf of, Carpenters, Local 713, Carpenters, Local 2236, Lathers, Local 68L, Pile Drivers, Local 34, Millwrights, Local 102

By: [Signature]

Robert Alvarado

Cement Masons, Local 300

By: ______________________

Steve Scott
Plasterers, Local 66

By: ____________________________

Chester Murphy, Jr.

Elevator Constructors, Local 8

By: ____________________________

Pat McGarvey

Hod Carriers, Local 166

By: ____________________________

Sam Robinson

Laborers, Local 304

By: ____________________________

Jose Zapien

District Council Ironworkers of the State of California and Vicinity

By: ____________________________

Joe Standley

Electrical Workers, Local 595

By: ____________________________

Victor Uno

Laborers District Council on behalf of, Hod Carriers, Local 166, Laborers, Local 67, Laborers, Local 304

By: ____________________________

Oscar De La Torre

Laborers, Local 67

By: ____________________________

Victor Parra

Operating Engineers, Local 3

By: ____________________________

Russ Burns

Ironworkers, Local 378

By: ____________________________

Emilio Rivera
Attachment C

District Council 16, Painters & Allied Trades on behalf of Auto & Marine Painters, Local 1176, Carpet & Linoleum Layers, Local 12, Glaziers, Architectural Metal & Glassworkers, Local 169, Painters & Tapers, Local 3

By: ____________________________
Doug Christopher

Sheet Metal Workers, Local 104

By: ____________________________
Bruce Word

Sprinkler Fitters, Local 483

By: ____________________________
Stan Smith, Jr.

United Association of Steamfitters, Pipefitters, Plumbers & Gasfitters, Local 342

By: ____________________________
Jay Williams

Roofers and Waterproofers, Local 81

By: ____________________________
Doug Ziegler

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By: ____________________________
Mike Hardeman

Teamsters, Local 853

By: ____________________________
Rome Aloise

United Association of Journeyman & Apprentices of the Pipe Fitting Industry, Underground Utility / Landscape, Local 355

By: ____________________________
Dennis Soares
District Council 16, Painters & Allied Trades on behalf of Auto & Marine Painters, Local 1176, Carpet & Linoleum Layers, Local 12, Glaziers, Architectural Metal & Glassworkers, Local 169, Painters & Tapers, Local 3

By: ________________________________
Doug Christopher
Sheet Metal Workers, Local 104

By: ________________________________
Bruce Word
Sprinkler Fitters, Local 483

By: ________________________________
Stan Smith, Jr.
United Association of Steamfitters, Pipefitters, Plumbers & Gasfitters, Local 342

By: ________________________________
Jay Williams

By: ________________________________
Doug Ziegler
Sign Display & Allied Crafts, Local 510

By: ________________________________
Mike Hardeman
Teamsters, Local 853

By: ________________________________
Rome Aloise
United Association of Journeyman & Apprentices of the Pipe Fitting Industry, Underground Utility / Landscape, Local 355

By: ________________________________
Dennis Soares

Peralta Community College District
Project Labor Agreement
Page 34 of 36
Attachment D

Term of Project Labor Agreement Side Letter

Chancellor Elihu Harris
Peralta Community College District
333 East 8th Street
Oakland, CA 94606

Re: Peralta Community College District Construction Project Labor Agreement: Term of Agreement

Dear Chancellor Harris:

In our negotiations of the captioned Project Labor Agreement, the District and the Unions came to agreement on the Term of the Project Labor Agreement, in Article 1, Definitions and Article 20, Term. It is clearly understood by the Unions and the District that the parties agree that Section 20.2 shall be modified as follows:

20.2 This Agreement shall become effective on the day the District Governing Board ratifies the Agreement and shall continue in full force and effect for a period of five (5) years, at which time this Agreement will be reviewed and considered for extension or renewal with modifications if appropriate. The term of this Agreement will be extended for additional successive five (5) year terms unless the District, 60 to 90 days prior to the expiration of any such term, after meeting with the Council and the Unions, gives written notice to the Council that it wishes to re-open the contract and make proposals to amend, modify, add to, or delete from the Agreement. After the expiration of any term of this Agreement, the provisions of the Agreement shall continue to apply to those Projects subject to this Agreement until construction is completed. The parties may mutually agree in writing to amend, extend or terminate this Agreement at any time.

Sincerely,

Barry Luboviski, Secretary-Treasurer,
Alameda County Building and Construction Trades Council
on behalf of the signatory Unions and Councils to the Project Labor Agreement

[Signature]

Chancellor Elihu Harris
Peralta Community College District

Acknowledged and agreed to this 21st day of July 2009
Attachment E

Helmets to Hardhats Program Side Letter

Chancellor Elihu Harris
Peralta Community College District
333 East 8th Street
Oakland, CA 94606

Re: Peralta Community College District Construction Project Labor Agreement: Helmets to Hard Hats

Dear Chancellor Harris:

In our negotiations of the captioned Project Labor Agreement, the District and the Unions discussed career pathways. To insure that all avenues are available to effectively reach out to potential applicants and to insure entry into the building and construction trades of men and women veterans who have served their Country and are interested in careers in the building and construction industry, we subscribe to the following:

When appropriate, the Employers and Unions will agree to utilize the services of the Center for Military Recruitment, Assessment and Veterans Employment (hereinafter “Center”) and the Center’s “Helmets to Hardhats” program to serve as a resource for preliminary orientation, assessment of construction aptitude, referral to apprenticeship programs or hiring halls, counseling and mentoring, support network, employment opportunities and other needs as identified by the parties.

We further agree that the Unions and Employers will, as a consequence of signing the Letter of Assent, coordinate with the Center to create and maintain an integrated database of veterans interested in working on Projects covered by this Agreement and which of them are interested in apprenticeship and employment opportunities made available by such Projects. To the extent permitted by law, the Unions will give credit to such veterans for bona fide, provable past experience.

Sincerely,

Barry Luboviski, Secretary-Treasurer,
Alameda County Building and Construction Trades Council
on behalf of the signatory Unions and Councils to the Project Labor Agreement

Chancellor Elihu Harris
Peralta Community College District

Acknowledged and agreed to this 21st day of July 2009.
AMENDMENT NUMBER 1

TO THE

PROJECT LABOR AGREEMENT

FOR THE

PERALTA COMMUNITY COLLEGE DISTRICT

Recitals

WHEREAS, the Peralta Community College District ("District"), contractors and subcontractors ("Contractors") who are or become signatory and the Building and Construction Building Trades Council of Alameda County and its member local unions (Collectively “Union(s)”) are parties to the Project Labor Agreement ("Agreement") negotiated in 2009; and

WHEREAS, the District and the Unions have met and agreed that there are certain modifications that should be made based on experience; and

WHEREAS, Article 20.3 of the Agreement provides, in part, that “The parties may mutually agree in writing to amend, extend or terminate this agreement at any time”; and

WHEREAS, the District and the Unions now desire to amend and extend the Agreement to address certain areas of mutual concern.

NOW THEREFORE, the District and the Unions, in consideration of the mutual promises and covenants herein contained, mutually agree as follows:

1. The Agreement shall be amended to include the provisions in EXHIBIT A to this Amendment Number 1 in five (5) specific areas: local hiring, committee structure, jurisdictional disputes, arbitrators and core employees.
2. It is understood and agreed that, as a result, certain Articles of the PLA will be modified once this Amendment is approved by the District Board of Directors.
December 10, 2014

Mr. Andreas Cluver
Building and Construction Trades Council of Alameda County
100 Hegenberger Road, Suite 120
Oakland, CA 94621

Re: Peralta Community College District Project Labor Agreement Revisions
Memorandum of Agreement/Side Letter

Dear Mr. Cluver,

After several meetings over the last few months, Davillier-Sloan, Inc. (DSI), as agent of the Peralta Community College District (District), has met with some members of the Construction and Building Trades Council of Alameda County (BTC). The purpose of the meetings was to discuss certain changes and additions to the Project Labor Agreement (PLA), originally negotiated in July, 2009. We have reached five (5) specific areas of mutual agreement: local hiring, committee structure, jurisdictional disputes, arbitrators and core employees. It is understood and agreed that, as a result, certain Articles of the PLA will be modified once the following is agreed to by the District Board of Directors:

1. **Local Hiring**: Article 16.1 of the existing PLA shall be modified with the additional language that follows: The agreement will allow placement of graduates of the District’s construction related training programs into union apprenticeship programs, along with District students who may be graduates of other pre-apprenticeship programs such as the Cypress Mandela Training Center, provided that they meet the minimum requirements of the applicable Joint Apprenticeship Training Committee. The agreement will focus on the disadvantaged population in the District service area as a first source for direct placement. “Disadvantaged Population” shall mean Local Area Residents of the District’s six cities: Alameda, Albany, Berkeley, Emeryville, Piedmont and especially the City of Oakland who meet at least one of specified criteria, including but not limited to: household income below 50% of the Alameda County median, non-minor dependent youth, homeless, welfare recipients, have a history of involvement with the criminal justice system, are unemployed, or a single parent. To assure mutual satisfaction in quality of training, the BTC and the applicable trades will partner closely with the District’s training programs in an officially recognized advisory capacity.
a. For each PLA covered project, the contractors will be responsible to ensure that it and/or its subcontractors hire at least one (1) new apprentice for the first $1 million of construction value and for each succeeding $5 million of construction contract value, the contractors and/or their subcontractors will be required to hire at least one (1) additional new apprentice. A new apprentice shall be defined as a Local Area Resident that has not worked in construction prior to the award date of the contract that they are being hired for or have been in state approved Labor Management Apprenticeship Program for no more than two years. All such apprentices should be graduates of approved construction related programs at Laney College or Laney graduates who have completed pre-apprenticeship training at programs with a known and successful track record of apprentice placement into jobs and is MC3 certified. All the pre-apprenticeship program graduates must be residents of The District service area and as a first source a member of the Disadvantaged Population, as described below. The District shall be responsible for developing and maintaining a list of such residents.

b. “Disadvantaged Population” shall mean those Local Area Residents of the District’s six cities of: Alameda, Albany, Berkeley, Emeryville, Piedmont and especially the City of Oakland who meet at least one of the following criteria: household income below 50% of the Alameda County median, non-minor dependent youth (AB-12 youth – emancipated foster youth), homeless, welfare recipients, or veterans and have a history of involvement with the criminal justice system, are unemployed, or a single parent.

c. Contractors will be required to document their good faith efforts to maximize the project work hours for the new hire apprentices. Contractors shall report those hours to a newly formed Joint Administrative Committee (JAC), as described below, which will evaluate those good faith efforts.

d. Each Signatory Union will be responsible for dispatching/referring such Local Area Resident apprentices to the contractor if they are available, capable and willing to work on the covered projects. No one trade can be used to satisfy the goal by the provision of more than one (1) such first stage apprentices, unless required by the nature of the work and or agreed upon by the JAC.

e. The Signatory Unions and contractors shall exercise, to the extent of their authority, their best efforts to recruit apprenticeship program applicants from the District service area and who are members of a Disadvantaged Population, as defined above. Further, for apprentices hired, there will be no limitation on where such apprentices will work subsequent to being hired for the covered projects. Contractors will be allowed to receive credit when utilizing apprentices for non-Project work during the life of the covered project, regardless of the location of the work.
f. The Unions will cooperate with the District, contractors and the PLA Program Manager in conducting outreach activities to recruit and refer Local Area Residents applicants to apprenticeship programs. In addition, the Unions will work with designated pre-apprenticeship programs to promote graduates and enhance their entry into Apprenticeship programs.

g. To the extent permitted by law and the Joint Apprenticeship Training Committee (JATC) requirements, the Unions will give credit to bona fide, provable past experience to applicants, including work for non-union contractors who become signatory to the PLA. The experience and practical knowledge of applicants will be reviewed and tested by the applicable JATC. Applicants will be placed at the appropriate stage of apprenticeship or journey level as the case may be. Final decisions will be the responsibility of the applicable JATC.

h. On a quarterly basis, the signatory Unions agree to the following:

   a) report to the PLA Program Manager in accordance with any limits set by applicable labor law, the availability and dispatch/placement of any new apprentices, as defined above on District projects.
   b) assist the PLA Program Manager with maintaining a current list of Disadvantaged Population new apprentices available to work on the project.
   c) provide the District and PLA Program Manager a report on the status of District identified Disadvantaged Population new apprentices, including but not limited to their placement and advancement who have signed a consent waiver.

i. On an annual basis or upon request, the Union, District and the PLA Program Manager shall provide a report to the Board that shall include but not be limited to the local hiring and apprentice goal performance, as well as challenges and benefits of the PLA.

j. The signatory Unions agree to co-host an annual job fair to provide maximum knowledge of the industry and apprenticeship opportunities to interested District students and other interested Local Area Residents.

2. Committee Structure:

   a. It is agreed to establish a four (4) person Joint Administrative Committee (JAC). This committee shall be comprised of two (2) representatives selected by the District, and two (2) representatives selected by the Union(s). Each representative shall designate an alternate who shall serve in his or her absence. The JAC shall meet as needed to review compliance with PLA policies including but not limited to local hire and grievance issues.
b. There will be two subcommittees to the JAC, for the purpose of resolving grievances filed by any party. The composition of the first grievance subcommittee, which will only address grievances against contractors under Article 16 Local Hiring Program, will be one (1) representative from labor, one (1) representative from management and one (1) representative from a Community Based Organization, approved by mutual agreement. The composition of the second grievance subcommittee, which will address all other grievances, will be one (1) representative from labor and one (1) representative from District. The recommendations of both subcommittees will be made to the JAC. The final decision of the JAC will be binding upon all parties. In the event that no decision is made, then the matter will be referred to arbitration.

3. **Jurisdictional Disputes:** BTC will forward updated language for the resolution of jurisdictional disputes, to be included in the revised PLA.

4. **Arbitrators:** The updated list of arbitrators shall be:
   
   a. For Article 6 Work Stoppages, Strikes, Sympathy Strikes and Lockouts to be forwarded by BTC;
   b. For grievances found in Article 12.2 Step 3, arbitrators shall be: Barbara Kong-Brown, William Riker, Jerri-Lou Cossack, and others to be forwarded by BTC;
   c. For jurisdictional disputes found in Article 15.6, names can be found in the revised PLA.

5. **Capacity Building/Core Workers:** The Union(s) shall be the primary source of all craft labor employed on the Project. However, in the event that a small local Contractor has its own core workforce, the Contractor may request by name, and the Union(s) shall honor, referral of persons who demonstrate the following qualifications:
   
   - possess any license and/or certifications required by state or federal law for the Project work to be performed;
   - have worked a total of at least one thousand (1,000) hours in the construction craft during the prior three (3) years;
   - were on the Contractors’ active payroll for at least sixty (60) out of the one hundred forty (140) calendar days prior to the contract award; and
   - have the ability to perform safely the basic functions of the applicable trade.
   - be a Local Area resident for at least six months prior to the hire date.

   a. The Union(s) will first refer to such Contractors one journeyman employee from the hiring hall out-of-work list for the affected trade or craft, and will thereafter refer one of such Contractors’ “core” employees as a journeyman and shall repeat the process,
one and one, until such Contractors’ crew requirements are met or until such Contractors have hired no more than five (5) Core Employees, whichever occurs first. Thereafter, all additional employees shall be hired exclusively from the Union(s)’ hiring hall out-of-work list(s). For the duration of the Contractors’ work the ratio shall be maintained and when the Contractors’ workforce is reduced, Employees shall be laid off in the same ratio of core employees to hiring hall referrals as was applied in the initial hiring. Contractors signatory to a Local, Regional, and/or National collective bargaining agreement(s) with Signatory Union(s) hereto shall be bound to use the hiring hall provisions contained in the relevant MLA of the affected Union(s), and nothing in the referral provisions of this Agreement shall be construed to supersede the local hiring hall provisions of the MLAs as they relate to such Contractors.

b. All Contractors shall be bound by and utilize the registration facilities and referral systems established or authorized by the Signatory Union(s) so long as such procedures are in compliance with applicable federal, state or local law. The Contractor shall have the right to determine the competency of all employees and may reject any referral for any reason, provided that the Contractor complies with Article 22, Non-Discrimination, and in accordance with the applicable MLA.

c. In accordance with the applicable Master Labor Agreement and in the event that referral facilities maintained by the Union(s) are unable, despite good faith efforts, to fill the request of a Contractor for employees within a forty-eight (48) hour period after such request is made by the Contractor, Saturdays, Sundays and Holidays excluded, the Contractor shall be free to obtain work persons from any source (“Alternative Employees”). Upon hiring Alternative Employees, the Contractor shall immediately notify the appropriate Union(s) of the name and address of the Alternative Employees hired, which Alternative Employees shall be bound by the provisions of this Article and the Union(s)’ hiring hall rules.

d. The Union(s) will exert their utmost efforts to assist the Joint Apprenticeship Training Committees in recruiting and training sufficient numbers of skilled craft persons to fulfill the requirements of the Contractors. The parties to this Agreement support the development of increased numbers of skilled construction workers from the Residents of Alameda County to meet the needs of the Project and the requirements of the industry generally. Accordingly, contingent upon request by the Contractor, the Unions agree to encourage the referral and utilization of Local Resident graduates of Peralta’s construction related training programs as journeyman and apprentices on the Project and the entrance of Residents into apprenticeships and training programs, as long such Residents possess the requisite skills and qualifications. In the instance of
apparent noncompliance by any of the parties to the agreement, the matter may be referred to the grievance procedure in Article 17 of the existing PLA.

All of the above is the understanding of the District in relation to the execution of a Memorandum of understanding/Side Letter to modify or add to the Articles of the Project Labor Agreement executed July 21, 2009.

<table>
<thead>
<tr>
<th>PERALTA COMMUNITY COLLEGE DISTRICT</th>
<th>BUILDING AND CONSTRUCTION TRADES COUNCIL OF ALAMEDA COUNTY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>By: José M. Ortiz, Chancellor</td>
<td>A California corporation,</td>
</tr>
<tr>
<td>(Authorized Agent)</td>
<td>Address: 100 Heggenberger Road, Suite 120</td>
</tr>
<tr>
<td>Date: 1/14/15</td>
<td>Oakland, California 94621</td>
</tr>
<tr>
<td>Approved as to legal form:</td>
<td>By:</td>
</tr>
<tr>
<td>By: Thuy Thi Nguyen, District Counsel,</td>
<td>Title:</td>
</tr>
<tr>
<td>Peralta Community College District</td>
<td>Attest:</td>
</tr>
<tr>
<td>Date: 12-23-14</td>
<td>Print Name and Title</td>
</tr>
<tr>
<td></td>
<td>(If Corporate: Secretary, Assistant Secretary, Chief Financial Officer, or Assistant Treasurer)</td>
</tr>
</tbody>
</table>

Requisition No.: Not Applicable
LANEY COLLEGE REROOFING PROJECT

DOCUMENT 00 9113

ADDENDA

BID NO. 14-15/35

Peralta Community College District

Laney College Reroofing Project
900 Fallon Street, Oakland, CA 94607

[DOCUMENT TO BE COMPLETED AS ADDENDA DURING BID PERIOD]

END OF DOCUMENT
LANEY COLLEGE REROOFING PROJECT

SECTION 01 1100

SUMMARY OF WORK

PART 1 – GENERAL

1.01 SUMMARY
A. Section includes Summary of Work and Work Restrictions including:
   1. List of Sections
   2. Work Covered By Contract Documents
   3. Bid Item, Allowances and Alternates
   4. Work Days and Hours
   5. Contractor Use of Site

1.02 WORK COVERED BY CONTRACT DOCUMENTS
A. Work comprises of the construction of Owner’s Laney College Reroofing Project, located at, 900 Fallon Street, Oakland CA 94607. The Work includes, without limitation, the reroofing of the Child Care and Forum Buildings as per the Construction Documents prepared by Skyline Engineering.
B. The Work of this Contract comprises construction of all the Work indicated, described in the Specifications, or otherwise required by the Contract Documents. Unless provided otherwise in the Contract Documents, all risk of loss to Work covered by Contract Documents shall rest with Contractor until Final Acceptance of the Work. Cost of maintenance of systems and equipment prior to Final Acceptance will be considered as included in prices Bid and no direct or additional payment will be made therefore.
C. For all Bid items, furnish and install all Work, including connections to existing systems, indicated and described in Specifications and all other Contract Documents. Work and requirements applicable to each individual Bid item, or unit of Work, shall be deemed incorporated into the description of each Bid item (whether Lump Sum or Unit Price). Any Bid item may be deleted from the Work and Contract Sum, in total or in part, prior to or after award of Contract without compensation in any form or adjustment of other Bid items or prices therefore.
D. Allowance Work shall be done as Change Orders and as specified in Section 01 2600 (Modification Procedures). Identify Allowance Items (See Document 00 4000 [Bid Form]) work on the Progress Schedules and on Applications for Payment. The Amount given on Document 00 4000 (Bid Form) under each Allowance Item is the sum of money set aside for each Allowance Item. These amounts shall be included in the Contract Sum on the Bid Form. If the cost of Work done under any Allowance Item is less than the amount given on the Bid Form under that Allowance Item, the Contract Sum shall be reduced by the difference between the amount given in the Bid Form and the cost of Work actually done.

1.03 BID ITEMS, ALLOWANCES AND ALTERNATES
A. Descriptions of Lump Sum Items (listed by Bid item numbers):
   Bid Item 1 – Reroofing of the Child Care building roof per the technical specifications and drawings of the bid documents.

   Bid Item 2 – Reroofing of the Forum building roof per the technical specifications and drawings of the bid documents.
B. Bid Alternates (listed by Bid item numbers):

**Bid Item 3 – Additive Alternate #1.** For the Child Care building, provide a square foot dollar amount for the repair of damage to the substrate that is discovered during the demolition of the existing roof.

**Bid Item 4 – Additive Alternate #2.** For the Forum building, provide a linear foot dollar amount for the repair of damage to the substrate that is discovered during the demolition of the existing roof. Clean and seal cracks in concrete roof deck.

C. Bid Allowances (listed by Bid item numbers):

There are no allowances in this bid.

1.04 WORK DAYS AND HOURS

A. Work Days and hours: See paragraph B and C.

B. Work at the Site on weekends, holidays, or other than normal business hours is permitted with approval by Owner.

C. Any activity, especially demolition that produces loud disruptive noise shall not be performed between the hours of 8am and 8pm on Monday-Friday. Contractor shall consult with Campus and District staff prior to commencement of potential disruptive noise activities. All other work can be performed during normal working hours. Daytime Saturday and Sunday work is acceptable with permission by the District. Early morning demolition work and cleanup must be completed prior to 8 am.

1.05 CONTRACTOR USE OF SITE

A. Confine operations at Site to areas permitted by Contract Documents, permits, ordinances, and laws. Do not unreasonably encumber Site with materials or equipment.

B. Assume full responsibility for protection and safekeeping of products stored on premises. Move any stored products that interfere with operations of Owner or other contractor.

C. Coordinate parking, storage, staging, and Work areas with Owner. Owner will provide a storage area for Contractor's equipment and materials. Do not store construction materials in the dripline of any tree.

D. Prior to commencement of Work or excavation, Contractor and Owner shall jointly survey the area adjacent to the Project area making permanent note and record of such existing damage such as cracks, sags or other similar damage. This record shall serve as a basis for determination of subsequent damage to structures, conditions or other existing improvements due to Contractor's operations. All parties making the survey shall sign the official record of existing damage. Cracks, sags or damage of any nature to the adjacent Project area, not noted in the original survey but subsequently noted, shall be reported immediately to Owner.

E. The Contractor shall follow all city ordinances in force during the duration of this Contract.

F. It is essential that the Contractor perform the Work with as little interference and disturbance as possible to the surrounding neighborhood.

G. When suspect materials, outside the scope of Work, are encountered during the Work or restoration process, the Contractor shall immediately contact the Project Manager for evaluation and approval of the methods for dealing with the material.

PART 2 – PRODUCTS- NOT USED

PART 3 – EXECUTION – NOT USED
PART 1 – GENERAL

1.01 SUMMARY
A. Section includes description of requirements and procedures for determining amount of Work performed and for obtaining payment for Work performed.

1.02 REFERENCES
A. California Public Contract Code
B. Code of Civil Procedures
C. Government Code

1.03 COMPOSITION AND SCOPE OF CONTRACT SUM

A. Scope of Contract Sum
1. The Contract Sum for performance of the Work under Contract Documents, or under any Bid item, allowance, or Alternate, shall include full compensation for all Work required under the Contract Documents, including without limitation, all labor, materials, taxes, transport, handling, storage, supervision, administration, and all other items necessary for the satisfactory completion of the Work, whether or not expressly specified or indicated, incidental work and unexpected expenses, and all terms, conditions, requirements and limitations set forth in the Contract Documents.
2. Contract Sum may be expressed as lump sum, unit price, GMP, allowance, or combination thereof.

B. Unit Price items
1. Quantity of Work to be paid for under any item for which a unit price is fixed in Contract Documents shall be determined by Owner based on, so far as practicable, actual number of units satisfactorily completed, as determined by Owner and certified by Contractor, within prescribed or ordered limits, and no payment will be made for Work unsatisfactorily performed or done outside of limits.
2. Unit Prices shall apply to Work covered by unit prices so long as actual quantities performed on the Project are not less than 75 percent or greater than 125 percent of the estimated quantities bid or otherwise stated in the Contract Documents. If actual quantities exceed these parameters, then the unit price shall be adjusted by an amount to reflect the Contractor’s incremental cost differential resulting from increased or decreased economies of scale.

C. Lump Sum Items
1. When estimated quantity for specific portion of Work is not indicated and/or Work is designated as lump sum, payment will be on a lump sum basis for Work satisfactorily completed in accordance with Contract Documents.
2. Payment for lump sum Work, or items of Work subject to a lump sum (e.g. without limitation, change order work), shall be made on the basis of satisfactory completion of such Work or work item, earned in progressive stages in accordance with the Contract Documents, up to but not exceeding the Contractor’s percentage completion of the Work or item.
3. Lump sum items shall be paid based upon the approved Schedule of Values, which shall be used to measure progressive payments based upon satisfactory progress towards completion of the item.
D. Allowance Items

1. Allowances: Allowance Work will be authorized by Owner in writing, following change order procedures to determine cost, supporting documentation and authorization to proceed. Unused allowance amounts at Contract completion shall reduce the Contract price accordingly.

1.04 PAYMENT PROCEDURES

A. Schedule of Values:

1. Within ten Days from issuance of Notice of Award and prior to the Contractor’s first Application for Payment, Contractor shall submit a detailed breakdown of its Bid by scheduled Work items and/or activities, including coordination responsibilities and Project Record Documents responsibilities. Where more than one Subcontractor comprises the work of a Work item or activity, the Schedule of Values shall show a separate line item for each subcontract. Contractor shall furnish such breakdown of the total Contract Sum by assigning dollar values (cost estimates) to each applicable Progress Schedule network activity, which cumulative sum equals the total Contract Sum. This breakdown shall be referred to as the Schedule of Values.

2. Contractor’s overhead, profit, insurance, cost of bonds (except to the extent expressly identified in a Bid item) and/or other financing, as well as “general conditions costs,” (e.g., Site cleanup and maintenance, temporary roads and access, off-Site access roads, temporary power and lighting, security, and the like), shall be prorated through all activities so that the sum of all the Schedule of Values line items equals Contractor’s total Contract Sum, less any allowances designated by Owner. Scheduling, record documents and quality assurance control shall be separate line items.

3. Owner will review the breakdown in conjunction with the Progress Schedule to ensure that the dollar amounts of this Schedule of Values are, in fact, reasonable cost allocations for the Work items listed. Upon favorable review by Owner, Owner will accept this Schedule of Values for use. Owner shall be the sole judge of fair market cost allocations.

4. Owner will reject any attempt to increase the cost of early activities, i.e., “front loading,” resulting in a complete reallocation of moneys until such “front loading” is corrected. Repeated attempts at “front loading” may result in suspension or termination of the Work for default, or refusal to process progress payments until such time as the Schedule of Values is acceptable to Owner.

B. Contractor’s Requests for Progress Payments

1. If requested by Contractor, progress payments will be made monthly, under the following conditions:

2. On or before the 25th Day of each month, Contractor shall submit to Owner five copies of an Application for Payment for the cost of the Work put in place during the period from the last Day of the previous month to the end of the current month, along with one copy of an updated Progress Schedule. Such Applications for Payment shall be for the expected total value of activities completed or partially completed, based upon Schedule of Values prices (or Bid item prices if unit price) of all labor and materials incorporated in the Work up until midnight of the last Day of that one month period, less the aggregate of previous payments. Accumulated retainage shall be shown as separate item in payment summary. Owner and Contractor will reconcile any differences in the field, based on the reconciled monthly report sheets. If Contractor is late submitting its Application for Payment, that Application may be processed at any time during the succeeding one-month period, resulting in processing of Contractor’s Application for Payment being delayed for more than a Day for Day basis.

3. Except as otherwise provided in a labor compliance program applicable to the Work (if any) or as otherwise required by Owner, concurrently with each Application for Payment, Contractor shall submit to the Owner the Contractor’s and its Subcontractors’ certified payroll records required to be maintained pursuant to Labor Code Section 1776 for all labor performed during pay periods ending during the period covered by the Application for
4. No progress payment will be processed prior to Owner receiving all requested, acceptable schedule update information and certified payrolls, and in Owner’s sole and absolute discretion, Owner may deny the entire Application for Payment for noncompliance.

5. Each Application for Payment shall list each Change Order and Construction Change Directive (“CCD”) executed prior to date of submission, including the Change Order/CCD Number, and a description of the Work activities, consistent with the descriptions of original Work activities. Contractor shall submit a monthly Change Order/CCD status log to Owner.

6. If Owner requires substantiating data, Contractor shall submit information requested by Owner, with cover letter identifying Project, Application for Payment number and date, and detailed list of enclosures. Contractor shall submit one copy of substantiating data and cover letter for each copy of Application for Payment submitted.

7. If Contractor fails or refuses to participate in monthly Work reconciliations or other construction progress evaluation with Owner, Contractor shall not receive current payment until Contractor has participated fully in providing construction progress information and schedule update information to Owner.

C. **Owner’s Review of Progress Payment Applications**

1. Owner will review Contractor’s Application for Payment following receipt and during the Progress Schedule and Billing Meeting. If adjustments need to be made to percent of completion of each activity, Owner will make appropriate notations and return to Contractor. Contractor shall revise and resubmit. All parties shall update percentage of completion values in the same manner, i.e., express value of an accumulated percentage of completion to date.

2. If Owner determines that portions of the Application for Payment are not proper or not due under the Contract Documents, then Owner may approve the other portions of the Application for Payment, and in the case of disputed items or Defective Work not remedied, may withhold up to 150 percent of the disputed amount from the progress payment.

3. Pursuant to California Public Contract Code §20104.50, if Owner fails to make any progress payment within 30 Days after receipt of an undisputed and properly submitted Application for Payment from Contractor, Owner shall pay interest to the Contractor equivalent to the legal rates set forth in subdivision (a) of Section 685.010 of the California Code of Civil Procedure. The 30-Day period shall be reduced by the number of Days by which Owner exceeds the seven-Day return requirement set forth herein.

4. As soon as practicable after approval of each Application for Payment for progress payments, Owner will pay to Contractor in manner provided by law, an amount equal to 90 percent of the amounts otherwise due as provided in the Contract Documents, or a lesser amount if so provided in Contract Documents, provided that payments may at any time be withheld if, in judgment of Owner, Work is not proceeding in accordance with Contract, or Contractor is not complying with requirements of Contract, or to comply with stop notices or to offset liquidated damages accruing or expected. In Owner’s sole discretion, if Contractor has failed to comply with either its Progress Schedule update or project record documents requirements, Owner may retain an additional 5% of any earned amounts until such requirements are satisfied.

5. Before any progress payment or final payment is due or made, Contractor shall submit satisfactory evidence that Contractor is not delinquent in payments to employees, Subcontractors, suppliers, or creditors for labor and materials incorporated into Work. This specifically includes, without limitation, conditional lien release forms for the current progress payment and unconditional release forms for past progress payments. This also includes copies of certified payroll from contractor and subcontractors for the current payment period.

D. **Payment for Material and Equipment Not Yet Incorporated Into the Work**

1. No payment shall be made for materials or equipment not yet incorporated into the Work,
except as specified elsewhere in the Contract Documents or as may be agreed to by Owner in its sole discretion. Where Contractor requests payment on the basis of materials and equipment not incorporated in the Work, Contractor must satisfy the following conditions:

2. The materials and/or equipment shall be delivered and suitably stored at the Site or at another local location agreed to in writing, for example, a mutually acceptable bonded and insured warehouse.

3. Full title to the materials and/or equipment shall vest in Owner at the time of delivery to the Site, warehouse or other storage location. Obtain a negotiable warehouse receipt, endorsed over to Owner for materials and/or equipment stored in an off-site warehouse. No payment will be made until such endorsed receipts are delivered to Owner.

4. Stockpiled materials and/or equipment shall be available for Owner inspection, but Owner shall have no obligation to inspect them and its inspection or failure to inspect shall not relieve Contractor of any obligations under the Contract Documents. Materials and/or equipment shall be segregated and labeled or tagged to identify these specific Contract Documents.

5. After delivery of materials and/or equipment, if any inherent or acquired defects are discovered, defective materials and/or equipment shall be removed and replaced with suitable materials and/or equipment at Contractor’s expense.

6. At Contractor’s expense, insure the materials and/or equipment against theft, fire, flood, vandalism, and malicious mischief, as well as any other coverages required under the Contract Documents.

7. Contractor’s Application for Payment shall be accompanied by a bill of sale, invoice or other documentation warranting that Owner has received the materials and equipment free and clear of all liens and evidence that the materials and equipment are covered by appropriate property insurance and other arrangements to protect Owner interest therein, all of which must be satisfactory to Owner. This documentation shall include, but not be limited to, conditional releases of mechanics’ liens and stop notices from all those providing materials and equipment as to which the Application for Payment relates, as well as unconditional releases of the same from the same as to the previous Application for Payment for which they have not already been provided. Amounts previously paid for materials and equipment prior to incorporation into the Work shall be deducted from amounts otherwise due Contractor as they are incorporated.

1.05 FINAL PAYMENT

A. Final Payment

1. As soon as practicable after all required Work is completed in accordance with Contract Documents, including punchlist, testing, record documents and Contractor maintenance after Final Acceptance, Contractor shall submit its Application for Final Payment.

2. Provided Contractor has met all conditions required for Final payment, Owner will pay to Contractor, in manner provided by law, unpaid balance of Contract Sum of Work (including, without limitation, retentions), or whole Contract Sum of Work if no progress payment has been made, determined in accordance with terms of Contract Documents, less sums as may be lawfully retained under any provisions of Contract Documents or by law.

B. Final Accounting

1. Prior progress payments and change orders shall be subject to audit and correction in the final payment.

2. Contractor and each assignee under an assignment in effect at time of final payment shall execute and deliver at time of final payment, and as a condition precedent to final payment, Document 00 6530 (Agreement and Release of Claims).
1.06 SUBSTITUTION OF SECURITIES

A. Public Contract Code Section 22300. In accordance with the provisions of Public Contract Code Section 22300, substitution of securities for any moneys withheld under Contract Documents to ensure performance is permitted under following conditions:

1. At request and expense of Contractor, securities listed in Section 16430 of the Government Code, bank or savings and loan certificates of deposit, interest bearing demand deposit accounts, standby letters of credit, or any other security mutually agreed to by Contractor and Owner which are equivalent to the amount withheld under retention provisions of Contract shall be deposited with Controller or with a state or federally chartered bank in California, as the escrow agent, who shall then pay such moneys to Contractor. Upon satisfactory completion of Contract, securities shall be returned to Contractor.

2. Alternatively, Contractor may request and Owner shall make payment of retentions earned directly to the escrow agent at the expense of Contractor. At the expense of Contractor, Contractor may direct the investment of the payments into securities and receive the interest earned on the investments upon the same terms provided for securities deposited by Contractor. Upon satisfactory completion of the work of the Contract Documents, Contractor shall receive from escrow agent all securities, interest, and payments received by the escrow agent from Owner. Contractor shall then pay to each Subcontractor, not later than 20 Days after receipt of the payment, the respective amount of interest earned, net of costs attributed to retention withheld from each Subcontractor, on the amount of retention withheld to insure the performance of Contractor.

3. Contractor shall be beneficial owner of securities substituted for moneys withheld and shall receive any interest thereon.

4. Contractor may enter into an escrow agreement, form included in Contract Documents, as authorized under Public Contract Code Section 22300, specifying amount of securities to be deposited, terms and conditions of conversion to cash in case of default of Contractor, and termination of escrow upon completion of Contract Documents.

5. Public Contract Code Section 22300, in effect on Bid Day, is hereby incorporated in full by this reference and shall supersede anything inconsistent therewith.

PART 2 – PRODUCTS – NOT USED

PART 3 – EXECUTION – NOT USED

END OF SECTION
PART 1 – GENERAL

1.01 SUMMARY

A. Section includes requirements that supplement the paragraphs of Document 00 7200 (General Conditions).
B. Description of procedures for modifying the Contract Documents and determining costs for changes in contract amounts.

1.02 PROCEDURES FOR CONTRACTOR INITIATED CHANGE ORDER

A. Contractor-Initiated Change Proposal Request (CPR) and Procedures:

1. Contractor may initiate changes by submitting a Change Proposal Request ("CPR").
2. Whenever Contractor elects or is entitled to submit a CPR, Contractor shall prepare and submit to Owner for consideration a CPR using the form included in this Project Manual. All CPRs must contain a complete breakdown of costs of credits, deducts and extras; itemizing materials, labor, taxes, Markup and any requested changes to Contract Time. All Subcontractor Work shall be so indicated. Individual entries on the CPR form shall include applicable Schedule of Values code, with all amounts determined as provided herein. After receipt of a CPR with a detailed breakdown, Owner will act promptly thereon.
3. If Owner accepts a CPR, Owner will prepare a Change Order for Owner and Contractor signatures.
4. If CPR is not acceptable to Owner because it does not agree with Contractor’s proposed cost and/or time, Owner will provide comments thereto. Contractor will then, within seven (7) Days (except as otherwise provided herein), submit a revised CPR.
5. When necessity to proceed with a change does not allow Owner sufficient time to conduct a proper check of a CPR (or revised CPR), Owner may issue a Change Directive (CD) as provided below.

B. Contractor-Initiated Request for Information (RFI) Procedures, Requirements and Limitations:

1. Contractor may submit RFIs for clarifications in Owner-prepared Contract Documents, which may result in the Contractor submitting a CPR.
2. Whenever Contractor requires information regarding the Project or Owner-prepared Contract Documents, or receives a request for such information from a Subcontractor, Contractor may prepare and deliver an RFI to Owner. Contractor shall use RFI format provided on approval by Owner. Contractor shall not issue an RFI to Owner solely to clarify Contractor-prepared Construction Documents. Contractor must submit time critical RFIs at least 30 days before scheduled start date of the affected Work activity. Contractor shall reference each RFI to an activity of Progress Schedule and shall note time criticality of the RFI, indicating time within which a response is required. Contractor’s failure to reference RFI to an activity on the Progress Schedule and note time criticality on the RFI shall constitute Contractor’s waiver of any claim for time delay or interruption to the Work resulting from any delay in responding to the RFI.
3. Contractor shall be responsible for its costs to implement and administer RFIs throughout the Contract duration. Regardless of the number of RFIs submitted, Contractor shall not be entitled to additional compensation for the effort required to submit the RFIs. Contractor shall be responsible for Owner’s administrative costs for answering RFIs where the answer could reasonably be found by reviewing the Contract Documents, as determined by
Owner; at Owner discretion, such costs may be deducted from progress payments or final payment.

4. Owner will respond within ten (10) days from receipt of RFI with a written response to Contractor. Contractor shall distribute response to all appropriate Subcontractors.

5. If Contractor is satisfied with the response and does not request a change in Contract Sum or Contract Time, then the response shall be executed without a change.

6. If Contractor believes the response is incomplete, Contractor shall issue another RFI (with the same RFI number with the letter “A” indicating it is a follow-up RFI) to Owner clarifying original RFI. Additionally, Owner may return RFI requesting additional information should original RFI be inadequate in describing condition.

C. **Time Requirements:**

1. If Contractor believes that an Owner response to an RFI, submittal or other Owner direction, results in change in Contract Sum or Contract Time, Contractor shall notify Owner with the issuance of a preliminary CPR within ten Days after receiving Owner’s response or direction, and in no event after starting the disputed work or later than the time allowed under Article 12 of Document 00 7200 (General Conditions). If Contractor also requests a time extension, or has issued a notice of delay or otherwise requests a time extension with a CPR, then Contractor shall submit the TIE required herein concurrently with the CPR and in no event later than ten Days after providing the notice of delay.

2. If Contractor requires more time to accurately identify the required changes to the Contract Sum or Contract Time, Contractor may submit an updated and final CPR and TIE within 14 days of submitting the preliminary CPR.

3. If Owner agrees with Contractor’s CPR and/or TIE, then Owner will prepare a Change Order for Owner and Contractor signatures. If Owner disagrees with Contractor, then Contractor may give notice of potential claim as provided in Article 12 of Document 00 7200 (General Conditions), and proceed thereunder.

4. Contractor must submit CPRs, notices of potential claim or Claims within the required time periods. Any failure to do so waives Contractor’s right to submit a CPR or file a Claim.

D. **Cost Estimate Information:**

1. Contractor and subcontractors shall, upon Owner’s request, permit inspection of the original unaltered cost estimates, subcontract agreements, purchase orders relating to the change, and documents substantiating all costs associated with its CPR or Claims arising from changes in the Work.

1.03 **PROCEDURES FOR OWNER INITIATED CHANGE ORDERS**

A. **Owner Initiated Change Directives (CD):**

1. Owner may, by Change Directive (“CD”) or initially by Instruction Bulletin or by following the procedures for disputed work herein, order changes in the Work within the general scope of the Contract consisting of additions, deletions, or other revisions, with or without adjustment to Contract Sum or Contract Time.

2. If at any time Owner believes in good faith that a timely Change Order will not be agreed upon using the foregoing procedures, or at any other time, Owner may issue a CD with its recommended cost and/or time adjustment (if any). Upon receipt of CD, Contractor shall promptly proceed with the change of Work involved and respond to Owner within ten (10) Days.

3. Contractor’s response must be any one of following:
   a. Return CD signed, thereby accepting Owner response, including adjustment to time and cost (if any).
   b. Submit a (revised if applicable) Cost Proposal with supporting documentation (if applicable, reference original Cost Proposal number followed by letter A, B, etc. for each revision), if Owner so requests.
   c. Give notice of intent to submit a claim as described in Article 12 of Document 00 7200 (General Conditions), and submit its claim as provided therein.
4. If CPR or the CD provides for an adjustment to any Contract Sum, the adjustment shall be based on one of the following methods:
   a. Mutual acceptance of a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation.
   b. Contractor to proceed on cost reimbursable (force account) basis while negotiating towards a firm price.
   c. Cost to be determined in a manner agreed.

5. Change Directive signed by Contractor indicates the agreement of Contractor therewith, including adjustment in Contract Sum or the method for determining them. Such agreement shall be effective immediately and shall be finalized as a Change Order. Where Owner authorizes CD work on a time and materials basis up to a maximum amount, then Contractor shall promptly advise Owner upon reaching 75% of such maximum amount, otherwise Contractor shall accept fully the risk of completing the CD work without exceeding such maximum amount.

6. If Contractor does not respond promptly or disagrees with the method for adjustment (or non-adjustment) in the Contract Sum, the method and the adjustment shall be determined by Owner on the basis of the Contract Documents and the reasonable expenditures and savings of those performing the Work attributable to the change. If the parties still do not agree on the proper adjustment due to a Change Directive, Contractor may file a Claim per Article 12 of Document 00 7200 (General Conditions) and/or Owner may direct the changed work through a unilateral change order. Contractor shall keep and present an itemized accounting in a manner consistent with the SOV, together with appropriate supporting data. Unless otherwise provided in the Contract Documents, costs for the purposes of this paragraph shall be limited to those provided herein.

7. Pending final determination of cost to Owner, Contractor may include amounts not in dispute in its Applications for Payment. The amount of credit to be allowed by Contractor to Owner for a deletion or change which results in a net decrease in the Contract Sum shall be actual net cost as confirmed by Owner. When both additions and credits covering related Work or substitutions are involved in a change, the allowance for Markup shall be figured on the basis of net increase, if any, with respect to that change.

B. **Owner Initiated Change Order (CO) or Request for Proposal (RFP):**

1. Owner may initiate changes in the Work or Contract Time by issuing a Request for Proposal ("RFP") or Change Order ("CO") to Contractor.

2. Owner may issue an RFP to Contractor. Any RFP will detail all proposed changes in the Work and request a quotation of changes in Contract Sum and Contract Time from Contractor.

3. In response to an RFP, Contractor shall furnish a Change Proposal Request (CPR) within twenty-one (21) Business Days of Owner’s RFP. Upon approval of CPR, Owner may issue a Change Directive directing Contractor to proceed with extra Work.

4. If the parties agree on price and time for the work, the Owner will issue a Contact Change Order. If the parties do not agree on the price or time for a CPR, Owner may either issue a CD or decide the issue per Article 12 of Document 00 7200 (General Conditions). Contractor shall perform the changed Work notwithstanding any claims or disagreements of any nature.

1.04 **PROCEDURES THAT APPLY TO CONTRACTOR- AND OWNER-INITIATED CHANGE ORDERS**

A. **Adjustment of Schedules to Reflect Change Orders or CDs:**

1. Contractor shall revise Schedule of Values and Application for Payment forms to record each authorized Change Order or CD as a separate line item and adjust the Contract Sum as shown thereon prior to the next monthly pay period.

2. Contractor shall revise the Progress Schedules prior to the next monthly pay period, to reflect CO or CD.
3. Contractor shall enter changes in Project Record Documents prior to the next monthly pay period.

B. **Required Documentation for Adjustments to Contract Amounts:**

1. For all changes and cost adjustments requested, Contractor shall provide documentation of change in Contract Amounts asserted, with sufficient data to allow evaluation of the proposal.

2. In all requests for compensation, cost proposals, estimates, claims and any other calculation of costs made under the Contract Documents, Contractor shall breakout and quantify costs of labor, equipment and materials identified herein, for Contractor and subcontractors of any tier.

3. Contractor shall, on request, provide additional data to support computations for:
   a. Quantities of products, materials, labor and equipment.
   b. Taxes, insurance, and bonds.
   c. Justification for any change in Contract Time and new Progress Schedule showing revision due, if any.
   d. Credit for deletions from Contract, similarly documented.

4. Contractor shall support each claim or computation for additional cost, with additional information including:
   a. Origin and date of claim or request for additional compensation.
   b. Dates and times Work was performed and by whom.
   c. Time records and wage rates paid.
   d. Invoices and receipts for products, materials, equipment and subcontracts, similarly documented.
   e. Credit for deletions from Contract, similarly documented.

C. **Responses and Disputes:**

1. For all responses for which the Contract Documents do not provide a specific time period, recipients shall respond within a reasonable time.

2. For all disputes arising from the procedures herein, Contractor shall follow Article 12 of Document 00 7200 (General Conditions).

### 1.05 COST DETERMINATION FOR CHANGES IN CONTRACT AMOUNTS

A. **Calculation of Total Cost of Extra Work:**

1. Total cost of changed Work, extra Work or of Work omitted shall be the sum of three components defined immediately below as: Component 1 (Direct Cost(s)); Component 2 (Markup); and, Component 3 (bonds, insurance, taxes)

2. Component 1: Direct Cost(s) of labor, equipment and materials, is calculated based upon actually incurred (or omitted) labor costs, material costs and equipment rental costs, as defined herein;

3. Component 2: Markup on such actually incurred Direct Costs, is applied in the percentages identified below; and

4. Component 3: Actual additional costs for any additionally required insurance, bonds, and/or taxes, defined herein, is calculated without Markup.

### 1.06 MEASUREMENT OF DIRECT COST OF CONSTRUCTION (COST COMPONENT NO. 1)

A. **Composition of Component 1 (Direct Cost of Construction):**

1. Component 1 has four subcomponents, also referred to as "LEMS":
   a. Labor (Component 1A)
   b. Equipment (Component 1B)
   c. Materials (Component 1C)
   d. Subcontractors (Component 1D)
B. **Measurement of Cost of Labor (Component 1A):**

1. Cost of Labor shall be calculated as: Cost of labor for workers (including forepersons when authorized by Owner) used in actual and direct performance of the subject work, whether employer is Contractor, Subcontractor or other forces, in the sum of the following:
   
a. **Actual Wages:** Actual wages paid shall include any employer payments to or on behalf of workers for health and welfare, pension, vacation, and similar purposes.
   
b. **Labor surcharge:** Payments imposed by local, county, state, and federal laws and ordinances, and other payments made to, or on behalf of, workers, other than actual wages as defined, such as worker's compensation insurance. Such labor surcharge shall not exceed generally accepted standards in the State for labor rates in effect on date upon which extra Work is accomplished.
   
c. Cost of labor shall include no other costs, fees or charges.

2. Labor cost for operators of equipment owned and operated by Contractor or any Subcontractor, shall be no more than rates of such labor established by collective bargaining agreements for type of worker and location of Work, whether or not owner-operator (i.e., Contractor or Subcontractor) is actually covered by such an agreement.

3. Cost of labor shall be recorded and documented in certified payroll records, maintained in the form customary and/or required in the State, delivered to Owner weekly.

C. **Measurement of Cost of Equipment (Component 1B):**

1. Measurement of Component 1B (Cost of Equipment). Cost of Equipment shall be calculated as: Cost of Equipment used in actual and direct performance of the subject work, whether by Contractor, Subcontractor or other forces. Cost of Equipment shall be calculated as herein described.

2. For rented equipment, cost will be based on actual rental invoices, appropriate for the use and duration of the work. Equipment used on extra Work shall be of proper size and type. If, however, equipment of unwarranted size or type and cost is used, cost of use of equipment shall be calculated at rental rate for equipment of proper size and type, as determined by Owner.

3. Equipment rental cost for Contractor or Subcontractor-owned equipment, shall be determined by reference to, and not in excess of, the generally accepted standards in the State for equipment rental rates in effect on date upon which extra Work is accomplished. If there is no applicable rate for an item of equipment, then payment shall be made for Contractor- or Subcontractor-owned equipment at rental rate listed in the most recent edition of the CalTrans Standard Schedules and Specifications, and absent a rental rate therein, then the Association of Equipment Distributors (AED) book.

4. In all cases, rental rates paid shall be deemed to cover cost of fuel, oil, lubrication, supplies, small tools, necessary attachments, repairs and maintenance of any kind, depreciation, storage, insurance, and all incidentals.

5. Unless otherwise specified, manufacturer’s ratings, and manufacturer-approved modifications, shall be used to classify equipment for determination of applicable rental rates. Individual pieces of equipment or tools not listed in said publication and having a replacement value of $100 or less, whether or not consumed by use, shall be considered to be small tools and no payment will be made therefore as payment is included in payment for labor. Rental time will not be allowed while equipment is inoperative due to breakdowns.

6. For equipment on Site, rental time to be paid for equipment shall be time equipment is in operation on extra Work being performed or on standby as approved by Owner. The following shall be used in computing rental time of equipment:
   
a. When hourly rates are listed, less than 30 minutes of operation shall be considered to be ¼ hour of operation.
   
b. When daily rates are listed, less than four hours of operation shall be considered to be ¼ Day of operation.
c. Rates shall correspond to actual rates paid by Contractor, i.e., if Contractor pays lower weekly or monthly rates, then same shall be charged to Owner.

7. For equipment that must be brought to Site to be used exclusively on extra Work, cost of transporting equipment to Site and its return to its original location shall be determined as follows:
   a. Owner will pay for costs of loading and unloading equipment.
   b. Cost of transporting equipment in low bed trailers shall not exceed hourly rates charged by established haulers.
   c. Cost of transporting equipment shall not exceed applicable minimum established rates of California Public Utilities Commission or appropriate State Dept. of Transportation.
   d. Owner will not make any payment for transporting and loading and unloading equipment if equipment is used on Work in any other way than upon extra Work.
   e. Rental period may begin at time equipment is unloaded at Site of extra Work and terminate at end of the performance of the extra Work or Day on which Owner directs Contractor to discontinue use of equipment, whichever first occurs. Excluding Saturdays, Sundays, and Owner legal holidays, unless equipment is used to perform extra Work on such Days, rental time to be paid per Day shall be four hours for zero hours of operation, six hours for four hours of operation and eight hours for eight hours of operation, time being prorated between these parameters. Hours to be paid for equipment that is operated less than eight hours due to breakdowns, shall not exceed eight less number of hours equipment is inoperative due to breakdowns.

8. Employee vehicles are not part of Component 1A, rather, are included within Component 2 (Markup).

9. Equipment costs shall include no other costs, fees or charges.

D. Measurement of Cost of Material (Component 1C):

1. Cost of Material shall be calculated as herein described. Cost of such materials will be cost to purchaser (Contractor, Subcontractor or other forces) from supplier thereof, except as the following are applicable:

2. If cash or trade discount by actual supplier is offered or available to purchaser, it shall be credited to Owner notwithstanding fact that such discount may not have been taken.

3. For materials salvaged upon completion of Work, salvage value of materials shall be deducted from cost, less discounts, of materials.

4. If cost of a material is, in opinion of Owner, excessive, then cost of material shall be deemed to be lowest current wholesale price at which material is available in quantities concerned delivered to Site, less any discounts as provided in this Paragraph.

5. Material costs shall include no other costs, fees or charges.

E. Measurement of Cost of Subcontractors (Component 1D):

1. Where reimbursed or calculated per the terms of the Contract Documents, change order or Change Directive, cost of Subcontractors shall be calculated as amounts earned by Subcontractors procured in compliance with the Contract Documents and approved by the Owner, provided such subcontractor earned amounts meet the following requirements:

   a. Such amounts are earned under the terms of the Subcontracts and the Work complies with the terms of the Contract Documents;

   b. Such amounts are properly requested, documented and permitted under the terms of the subcontract(s) and the Contract Documents.

   c. Total cost to Owner of Direct Costs of Construction (labor, equipment, materials), Markup, and costs of bonds, insurance and taxes, conform to contract limitations (i.e., totals paid by Owner do not exceed the 20% Markup limitation.).
MEASUREMENT AND PAYMENT OF MARK UP (COST COMPONENT 2)

A. Markup Percentages for Changed Work (Component 2):
1. Markup on Direct Cost of labor and materials for extra Work shall be 15%. Markup on Direct Cost of equipment for extra Work shall be 15%.
2. When extra Work is performed by Subcontractors, regardless of the number of tiers, total Markup on “Component 1” Direct Costs shall not exceed 20%. Contractor and its Subcontractors shall divide the 20% as they may agree.
3. Under no circumstances shall the total Markup on any extra Work exceed twenty (20) percent, stated as a percent of the Direct Cost of labor, equipment and materials. This limitation shall apply regardless of the actual number of subcontract tiers.
4. On proposals covering both increases and decreases in Contract Sum, Markup shall be allowed on the net increase only as determined above. When the net difference is a deletion, no percentage for Markup shall be allowed, but rather an appropriate percentage deduction shall be issued in the amount of the net difference.

B. Measurement and Payment of Mark Up (Component 2):
1. Mark Up (Component 2) provides complete compensation to Contractor for:
   a. All Contractor profit;
   b. All Contractor home-office overhead;
   c. All Contractor assumption of risk assigned to Contractor under the Contract Documents;
   d. Subject to the qualifications below regarding self-performed work, all General Conditions and General Requirements.
2. Profit. Compensation for profit included within Component 2 (Mark Up), includes without limitation: Fees of all types, nature and description; and Profit and margins of all types, nature and description.
3. Home Office Expenses. Compensation for home office expenses included within Component 2 (Mark Up), includes without limitation: Salaries and other compensation of any type of Contractor’s personnel (management, administrative and clerical), and all direct and indirect operating, travel, payroll, safety, storage, quality control, maintenance and overhead costs of any nature whatsoever, incurred by Contractor at any location other than the Project specific site office, including without limitation, Contractor’s principal or branch offices; insurance premiums other than those for Project specific insurance directed by the Owner in a change order; all hardware, software, supplies and support personnel necessary or convenient for Contractor’s capture, documentation and maintenance of its costs and cost accounting data and cost accounting and control systems and work progress reporting.
4. Assumption of Risk. Compensation for Contractor’s assumption of risk under the Contract Documents, included within Component 2 (Mark Up), includes without limitation loss, cost, damage, expense or liability resulting directly or indirectly from any of the following causes (“unallowable costs”), for Contractor and subcontractors of any tier: noncompliance with the Contract Documents, fault or negligence, defective or non-comforming Work, by Contractor or any Subcontractor or Vendor of any tier or anyone directly or indirectly employed by any of them, or for whose acts or omissions any of them are responsible or liable at law or under the Contract Documents; cost overruns of any type; costs in excess of any lump sum, not to exceed amount or GMP; costs resulting from bid or “buy out” errors, unallocated scope, or incomplete transfer of scope or contract terms to subcontractors; any costs incurred by Contractor relating to a Change in the Work without a Change Order or Change Directive in accordance with the Contract Documents; costs for work or materials for which no price is fixed in the Contract Documents, unless it is expressly specified that such work or material is to be paid for as extra work.
5. General Conditions and Division 1 General Requirements. Compensation for Contractor’s General Conditions and General Requirements Costs included within Component 2 (Mark Up), includes compensation to Contractor for: Contractor’s direct costs, without overhead
Modification Procedures 01 2600 - 8
Laney College Reroofing Project

or profit, for salaries and related forms of compensation and employer’s costs for labor and personnel costs, of Contractor’s employees and subconsultant’s employees (if any), while and only to the extent they are performing Work at the Project Site. Personnel and Work compensated by this Component include without limitation: All required Project management responsibilities; all on-site services; monthly reporting and scheduling; routine field inspection of Work; general superintendent; general administration and preparation of cost proposals, schedule analysis, change orders and other supporting documentation as necessary; salaries of project superintendent, project engineers, project managers, safety manager, other manager, timekeeper, and secretaries; all cost estimates and updates thereto; development, validation and updates to the project schedule; surveying; estimating. Compensation for Contractor’s General Requirements Costs included within Component 2 (Mark Up), compensates Contractor for its “General Requirements” Costs, including without limitation: all scheduling hardware, software, licenses, equipment, materials and supplies; purchase, lease or rental, build out, procurement, supporting equipment and maintenance of temporary on-Site facilities, Project field and office trailers and other temporary facilities, office equipment and supporting utilities; platforms, fencing, cleanup and jobsite security; temporary roads, parking areas, temporary security or safety fencing and barricades, etc.; all Contractor’s motor vehicles used by any Contractor’s personnel, and all costs thereof; all health and safety requirements, required by law or Owner procedures; all surveying; all protection of Work; handling and disposal fees; final cleanup; repair or maintenance; other incidental Work; all items, activities and function similar to any of those described above; all travel, entertainment, lodging, board and the like.

6. Personnel compensated by the Markup Component do not include workers of foreman level or below in the case of self-performed work; rather, such personnel shall be treated as a Direct Cost of Construction. Costs compensated by the Markup component do not include temporary measures specifically required by the changed work, not otherwise required or ongoing in the prosecution of the Work, that commence specifically to support the changed work and conclude with the completion of the changed work. Such costs shall be treated as Direct Costs of Construction. Examples of General Requirements costs that this component may not cover are the following: temporary barricades or fencing of specific areas required specifically for the changed work; cranes required specifically for the changed work.

1.08 MEASUREMENT AND PAYMENT OF BONDS INSURANCE TAXES (COMPONENT 3)
A. Measurement of Bonds, Insurance, Taxes (Component 3):
1. Component 3 (Bonds, Insurance, Taxes) consists of the cost of bonds, insurance and taxes, also referred to as “BIT”. All State sales and use taxes, applicable County and applicable City sales taxes, shall be included. Federal and Excise tax shall not be included.
2. There is no mark up on BIT.

1.09 EFFECT OF PAYMENT
A. Change Order Compensation is All Inclusive.
1. Except as provided expressly below regarding changes that extend the Contract Time, payment of calculated cost of extra work constitutes full and complete compensation for costs or expense arising from the extra Work, and is intended to be all inclusive.
2. Payment for Direct Cost of Construction (Component 1 or LEMS) is intended to be all-inclusive. Any costs or risks not delineated within cost of labor, equipment or materials herein, shall be deemed to be within the costs and risks encompassed by the applicable Markups and unallowable in any separate amount.
3. Payment of Markup (Component 2) is intended to be all-inclusive. Contractor waives claims for any further or different payment of cost and risk items delineated herein, other than the allowable percentage markup on costs set forth in the Contract Documents; such separate, further or different cost or risk items shall be unallowable, waived and liquidated within the allowable percentage markup.
4. Contractor shall recover no other costs or markups on extra work of any type, nature or description.

B. **Exception for Changes Extending the Contract Time.**

1. Where a change in the Work extends the Contract Time, Contractor may request and recover additional, actual direct costs, provided Contractor can demonstrate such additional costs are (i.) actually incurred performing the Work, (ii.) not compensated by the Markup allowed, and (iii) directly result from the extended Contract Time. Contractor shall make such request and provide such documentation following all required procedures, documentation and time requirements in the Contract Documents, and subject to all contract limitations of liability. Contractor may not seek or recover such costs using formulas (e.g., Eichleay).

C. **Limits of Liability / Accord and Satisfaction.**

1. The foregoing limits of compensation apply in all cases of claims for changed Work, whether calculating Change Proposal Requests, Change Orders or CDs, or calculating claims and/or damages of all types, and applies even in the event of fault, negligence, strict liability, or tort claims of all kinds, including strict liability or negligence. Contractor may recover no other costs arising out of or connected with the performance of extra Work, of any nature.

2. Under no circumstances may Contractor claim or recover special, incidental or consequential damages against Owner, its representatives or agents, whether arising from breach of contract, negligence, strict liability or other tort or legal theory, unless specifically and expressly authorized in the Contract Documents.

3. No change in Work shall be considered a waiver of any other condition of Contract Documents. No claim shall be made for anticipated profit, for loss of profit, for damages, or for extra payment whatever, except as expressly provided for in Contract Documents.

4. Accord and Satisfaction: Every Change Order and accepted CD shall constitute a full accord and satisfaction, and release, of all Contractor (and if applicable, Subcontractor) claims for additional time, money or other relief arising from or relating to the subject matter of the change including, without limitation, impacts of all types, cumulative impacts, inefficiency, overtime, delay and any other type of claim. Contractor may elect to reserve its rights to disputed claims arising from or relating to the changed Work at the time it signs a Change Order or approves a CD, but must do so expressly in a writing delivered concurrently with the executed Change Order or approved CD, and must also submit a Claim for the reserved disputed items pursuant to Article 12 of Document 00 7200 (General Conditions) no later than thirty (30) days after Contractor’s first written notice of its intent to reserve rights. Execution of any Change Order or CD shall constitute Contractor’s representation of its agreement with this provision.

1.010 **MISCELLANEOUS REQUIREMENTS**

A. **Owner-Furnished Materials.**

1. Owner reserves right to furnish materials as it deems advisable, and Contractor shall have no claims for costs and Markup on such materials.

B. **Records And Certification.**

1. All charges shall be recorded daily and summarized in Change Proposal Request form attached hereto. Contractor or authorized representative shall complete and sign form each day. Contractor shall also provide with the form: the names and classifications of workers and hours worked by each; an itemization of all materials used; and a list by size type and identification number of equipment and hours operated.

2. Owner shall have the right to audit all records in possession of Contractor relating to activities covered by Contractor’s claims for modification of Contract, including CD Work. This right shall be specifically enforceable, and any failure of Contractor to voluntarily
comply shall be deemed an irrevocable waiver and release of all claims then pending that were or could have been subject to Article 12 of Document 00 7200 (General Conditions).

PART 2 – PRODUCTS – NOT USED

PART 3 – EXECUTION – NOT USED

END OF SECTION

COST PROPOSAL FORM FOLLOWS ON NEXT PAGE
COST PROPOSAL (CP)

Owner [Insert Project Name]  CP Number: __________________
Contract Number ____________  Date: __________________________

To: [Insert Name of Owner]  
Attention: [______________]  
[Insert Owner's Address]  
Phone: (___) ___- _____  
Fax: (___) ___-_____

From: [Insert Contractor's Name/Address]

This Cost Proposal is in response to the above-referenced ________ [insert RFP, etc. as applicable].
Brief description of change(s): ______________________________________________________
________________________________________________________________________________
________________________________________________________________________________

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TOTAL COST

- Subcontractor’s Overhead & Profit 15 percent
- Contractor’s Overhead & Profit 15 percent
- Overhead & Profit to Contractor for Subcontractor’s Work 5 percent
- (percent of Total Cost above not including any Overhead & Profit – may not exceed 20%)

GRAND TOTAL

REQUESTED CHANGE IN CONTRACT TIME (DAYS)
(Time Impact Evaluation Enclosed)

By Contractor:     Signature:    Date:

 Modification Procedures
 Laney College Reroofing Project
 01 2600 - 11
PART 1 – GENERAL

1.01 SUMMARY
A. Section includes description of required project meetings.

1.02 PRECONSTRUCTION CONFERENCE
A. Preconstruction Conference. Owner will call for and administer Preconstruction Conference at time and place to be announced (usually the week prior to start of Work at the Site). Contractor, all major Subcontractors, and major suppliers shall attend Preconstruction Conference. Agenda may include, but not be limited to, the following items:

1. Schedules
2. Personnel and vehicle permit procedures
3. Use of premises
4. Location of the Contractor’s on-Site facilities
5. Security
6. Housekeeping
7. Submittal and RFI procedures
8. Inspection and testing procedures, on-Site and off-Site
9. Utility shutdown procedures
10. Control and reference point survey procedures
11. Injury and Illness Prevention Program
12. Contractor’s Initial Progress Schedule
13. Contractor’s Schedule of Values
14. Contractor’s Schedule of Submittals
15. Jurisdictional agency requirements
16. Owner will distribute copies of minutes to attendees. Attendees shall have 7 Days to submit comments or additions to minutes. Minutes will constitute final memorialization of results of Preconstruction Conference.

1.03 WEEKLY PROJECT MEETINGS
A. Owner will schedule and administer weekly progress meetings throughout duration of Work. Progress meetings will be held weekly unless otherwise directed by Owner. Meetings shall be held at Owner’s Offices unless otherwise specified in Contract Documents.

1. Owner’s Representative will prepare agenda and distribute it 4 Days in advance of meeting to Contractor.
2. Participants with agenda items shall present them.
3. The Architect/Engineer and other responsible entities shall attend meetings unless otherwise specified in Contract Documents or provided by Owner.
4. Owner shall record and distribute the meeting minutes. Minutes shall be distributed to the Contractor within 3 business days after the meeting. Contractor shall distribute the minutes to those affected by decisions made at meeting. Attendees shall have five business days to submit comments or additions to the minutes. Minutes shall constitute final memorialization of results of meeting.
5. Progress meetings shall be attended by Contractor’s job superintendent, major Subcontractors and suppliers, Owner, and others as appropriate to agenda topics for each meeting.
6. Agenda may contain the following items, as appropriate:
   a. Review, revise as necessary, and approve previous meeting minutes
   b. Review of Work progress since last meeting
   c. Status of Construction Work Schedule, delivery schedules, adjustments
   d. Submittal, RFI, and Change Order status
   e. Review of the Contractor’s safety program activities and results, including report on all serious injury and/or damage accidents
   f. Other items affecting progress of Work

1.04 PROGRESS SCHEDULE AND BILLING MEETINGS

   A. A meeting will be held on approximately the 20th of each month to review the schedule update submittal and progress payment application.
   B. At this meeting, at a minimum, the following items will be reviewed:
      1. Percent complete of each activity;
      2. Time impact evaluations for Change Orders and Time Extension Request;
      3. Actual and anticipated activity sequence changes;
      4. Actual and anticipated duration changes; and
      5. Actual and anticipated Contractor delays.
   C. These meetings are considered a critical component of overall monthly schedule update submittal and Contractor shall have appropriate personnel attend. At a minimum, Contractor’s General Superintendent and Scheduler shall attend these meetings.

PART 2 – PRODUCTS – NOT USED

PART 3 – EXECUTION – NOT USED

END OF SECTION
LANEY COLLEGE REROOFING PROJECT

SECTION 01 3230

PROGRESS SCHEDULES AND SUBMITTALS

PART 1 – GENERAL

1.01 SUMMARY
A. Section includes description of requirements and procedures for submitting progress schedules and submittals.

1.02 CONTRACTOR TO SUBMIT PROGRESS SCHEDULES
A. Contractor shall submit original (baseline) progress schedule two weeks prior to the first Application for Payment.
B. Baseline Progress Schedule shall show Contractor’s construction and procurement activities, including but not limited to, equipment procurement and delivery (Contractor and Owner supplied), activities with Subcontractors and suppliers, major submittal reviews, commissioning of systems, use of major equipment on site, and necessary interface with Owner and third parties required to complete the Work in a timely manner and in accordance with Contract Time.

1.03 SCHEDULE REQUIREMENTS.
A. Unless Owner agrees in writing otherwise, progress schedule shall be on Microsoft Project, Primavera P6, Suretrack, or equivalent software, as Owner may specify, which Contractor shall prepare and supply to Owner, with all datapoint entries completed for start dates, necessary work activities, durations (not longer than 21 calendar days) and logic ties.
B. Contractor’s progress schedule may be in the form of a CPM (arrow) diagram or, if Owner agrees in writing, a bar chart. The hard copies of the schedule supplied to Owner shall indicate the critical path of the Work (in red) and shall show a logical progression of the Work through completion within Contract Time.
C. Unless Owner agrees in writing otherwise, progress schedule shall also show early and late start and finish dates and total available float (float to the successor activity’s late start date) for each activity. Owner has no obligation to accept an early completion schedule.

1.04 MONTHLY UPDATES
A. Contractor’s progress schedule shall be updated monthly to reflect actual progress. The schedule shall be subject to Owner’s review and acceptance for use in monitoring Contractor’s Work and evaluating Applications for Payment.
B. Contractor shall supply Owner with an electronic copy of the updated progress schedule with each monthly payment application. Contractor shall provide Owner with three-week lookahead schedules weekly, showing in detail and activities and resources scheduled for the immediate two week period.

1.05 RECOVERY SCHEDULE
A. Owner may request a recovery schedule should Contractor fall 21 or more Days behind any schedule Milestone, which schedule shall show Contractor’s plan and resources committed to retain Contract completion dates.
B. The recovery schedule shall show the intended critical path. If Owner requests, Contractor shall also:
   1. Secure and demonstrate appropriate Subcontractor and supplier consent to the recovery Schedule.
   2. Submit a narrative explaining trade flow and construction flow changes and man-hour loading assumptions for major Work activities and/or Subcontractors.
1.06 TIME IMPACT EVALUATION ("TIE") FOR CHANGE ORDERS, TIME EXTENSIONS AND DELAYS:

A. When Contractor requests a time extension for any reason, Contractor shall submit a TIE that includes both a written narrative and a schedule diagram depicting how the changed Work or other impact affects other schedule activities. The schedule diagram shall show how Contractor proposes to incorporate the changed Work or other impact in the schedule and how it impacts the current Schedule update critical path or otherwise. Contractor is also responsible for requesting time extensions based on the TIE’s impact on the critical path. The diagram shall be tied to the main sequence of scheduled activities to enable Owner to evaluate the impact of changed Work to the scheduled critical path.

B. Contractor is responsible for all costs associated with the preparation of TIE’s, and the process of incorporating TIE’s into the current schedule update. Provide Owner with four copies of each TIE.

PART 2 – PRODUCTS – NOT USED

PART 3 – EXECUTION – NOT USED

END OF SECTION
PART 1 – PART 1 GENERAL

1.01 SUMMARY

A. Section includes description of requirements and procedures for submittals.

1.02 SCHEDULE OF SUBMITTALS

A. Contractor shall prepare for Owner’s review and acceptance prior to commencement of work on the Site, for purposes of contract administration, a schedule of submittals (also referred to as a submittal register) required to complete the Work, prepared by Contractor and accepted by Owner for contract administration. Schedule of submittals shall include, for each submittal: the specification or drawing reference requiring the submittal, if applicable; the material, item, or process for which the submittal is required; the submittal number and identifying title of the submittal; the Contractor’s anticipated submission date and the approval need date.

B. Contractor shall update monthly the schedule of submittals to reflect actual submission and acceptance dates for submittals. Review by Owner of schedule of submittals does not excuse Contractor of obligation to supply, schedule and coordinate all submittals required by the Contract Documents.

1.03 CONTRACTOR TO SUBMIT SHOP DRAWINGS, PRODUCT DATA AND SUBMITTALS.

A. Contractor shall review for compliance with Contract Documents, approve and submit to Owner Shop Drawings, Product Data, Samples and similar submittals required by Contract Documents.

B. Contractor shall schedule and submit concurrently submittals covering component items forming a system or items that are interrelated. Contractor shall include certifications to be submitted with the pertinent drawings at the same time.

C. Contractor shall coordinate scheduling, sequencing, preparing and processing of all submittals with performance of work so that work will not be delayed by submittal processing.

D. Submittals shall specifically identify any Work depicted that does not conform to the Contract Documents.

1.04 OWNER REVIEW OF SHOP DRAWINGS, PRODUCT DATA AND SUBMITTALS.

A. After review by Owner of each Submittal, material will be returned to Contractor with actions defined as follows:

1. NO EXCEPTIONS TAKEN - Accepted subject to its compatibility with general design concept of the Work, future Submittals and additional partial Submittals for any portions of the Work not covered in this Submittal. Does not constitute acceptance or deletion of specified or required items not shown on the Submittal.

2. MAKE CORRECTIONS NOTED (NO RESUBMISSIONS REQUIRED) - Same as item 1 above, except that minor corrections as noted shall be made by Contractor.

3. REVISE AS NOTED AND RESUBMIT - Rejected because of major inconsistencies or...
errors that shall be resolved or corrected by Contractor prior to subsequent review by Owner.

4. **REJECTED - RESUBMIT** - Submitted material does not conform to Drawings and/or Specifications in major respect, i.e.: wrong size, model, capacity, or material.

B. Favorable review will not constitute acceptance by Owner of any responsibility for the accuracy, coordination, or completeness of the Submittals. Accuracy, coordination, and completeness of Submittals shall be sole responsibility of Contractor, including responsibility to back-check comments, corrections, and modifications from Owner’s review before fabrication. Contractor, Subcontractors, or suppliers may prepare Submittals, but Contractor shall ascertain that Submittals meet requirements of Contract Documents, while conforming to structural space and access conditions at point of installation. Owner’s review will be only to assess if the items covered by the Submittals will, after installation or incorporation in the Work, conform to the information given in the Contract Documents and be compatible with the design concept of the completed Project as indicated by the Contract Documents. Favorable review of Submittal, method of Work, or information regarding materials and equipment Contractor proposes to furnish shall not relieve Contractor of responsibility for errors therein and shall not be regarded as assumption of risks or liability by Owner, or any officer or employee thereof, and Contractor shall have no claim under Contract Documents on account of failure or partial failure or inefficiency or insufficiency of any plan or method of Work or material and equipment so accepted. Favorable review shall be considered to mean merely that Owner has no objection to Contractor using, upon Contractor’s own full responsibility, plan or method of Work proposed, or furnishing materials and equipment proposed.

C. Unless otherwise specified, Owner’s review will not extend to the means, methods, techniques, sequences, or procedures of construction or to safety precautions or programs incident thereto. The review and approval of a separate item as such will not indicate approval of the assembly in which the item functions.

D. Contractor shall perform no portion of the Work for which the Contract Documents require submittal and review of Shop Drawings, Product Data, Samples or similar submittals until the respective submittal has been favorably reviewed by the Owner; otherwise, any such Work is at Contractor’s sole risk.

**PART 2 – PRODUCTS – NOT USED**

**PART 3 – EXECUTION – NOT USED**

END OF SECTION
LANEY COLLEGE REROOFING PROJECT
SECTION 01 4100
REGULATORY REQUIREMENTS

PART 1 – GENERAL

1.01 SUMMARY

A. Section includes:
   1. Regulatory requirements applicable to Contract Documents
   2. Required provisions under Local Agency Disputes Act
   3. Required references under federal law

1.02 GENERAL

A. Compliance with Laws
   1. Conform to all applicable codes, laws, ordinances, rules and regulations, which shall have full force and effect as though printed in full in these Specifications. Codes, laws, ordinances, rules, regulations and ordinances (Regulatory Requirements) are not furnished to Contractor, because Contractor is assumed to be familiar with these requirements.
   2. Any listing of Regulatory Requirements for hazardous waste abatement Work in the Contract Documents is supplied to Contractor as a courtesy and shall not limit Contractor’s responsibility for complying with all applicable Regulatory Requirements having application to the Work. Where conflict among the Regulatory Requirements or with these Specifications occurs, the most stringent requirements shall be used.
   3. Specific reference in the Specifications to codes and regulations or requirements of regulatory agencies shall mean the latest printed edition of each adopted by the regulatory agency in effect at the time of the opening of Bids, except as may be otherwise specifically stated in the Contract Documents.

B. Precedence
   1. Where specified requirements differ from Regulatory Requirements, the more stringent requirements shall take precedence. Where Drawings or Specifications require or describe products or execution of better quality, higher standard or greater size than required by Regulatory Requirements, then Drawings and Specifications shall take precedence so long as such increase is legal. Where no requirements are identified on Drawings or in Specifications, comply with all Regulatory Requirements of governing authorities having jurisdiction.
   2. Should any conditions develop not covered by the Contract Documents wherein the finished Work will not comply with current codes, a Change Order detailing and specifying the required Work shall be submitted to and approved by Owner before proceeding with the Work.

1.03 REGULATORY REQUIREMENTS

A. Applicable Codes
   1. Codes that apply to Contract Documents include all Codes applicable to construction, including, but not limited to, the following:
b. California Electrical Code (2007 Edition or latest applicable code) as amended by applicable local ordinances for all construction work.

c. California Plumbing Code (2007 Edition or latest applicable code) as amended by applicable local ordinances for plumbing, sewage disposal and health requirements.

d. California Mechanical Code (2007 Edition or latest applicable code) as amended by applicable local ordinances for all construction work.

e. International Fire Code (2006 Edition or latest applicable code) as amended by applicable local ordinances for all construction work.

f. California Administrative Code Titles 15, 19 and 24 (with California amendments), and Americans with Disabilities Act (ADA) accessibility guidelines, whichever is more stringent.

g. All State laws and City and County Ordinances, rules of the State or City or County Health Departments, rules of the National Board of Fire Underwriters and National Fire Protection Associations, and local power company regulations for mechanical and electrical work.

B. Applicable Laws, Statutes, Ordinances, Rules, And Regulations

1. During prosecution of Work to be done under Contract Documents, Contractor shall comply with applicable laws, ordinances, rules and regulations, including, but not limited to, the following:

   a. Federal:
      1) Americans With Disabilities Act of 1990
      2) 29 CFR, Section 1910.1001, Asbestos
      3) 40 CFR, Subpart M, National Emission Standards for Asbestos
      4) Executive Order 11246
      5) Federal Endangered Species Act
      6) Clean Water Act

   b. State of California:
      1) California Code of Regulations, Titles 5, 8, 17, 19, 21, 22, 24 and 25
      2) California Public Contract Code
      3) California Health and Safety Code
      4) California Government Code
      5) California Labor Code
      6) California Civil Code
      7) California Code of Civil Procedure
      8) CPUC General Order 95, Rules for Overhead Electric Line Construction
      9) CPUC General Order 128, Rules for Construction of Underground Electric Supply and Communications Systems
      10) Cal/OSHA
      11) OSHA: Hazard Communications Standards
      12) California Endangered Species Act
      13) Water Code
      14) Fish and Game Code

   c. State of California Agencies:
      1) State and Consumer Services Agency
      2) Office of the State Fire Marshall
      3) Office of Statewide Health Planning and Development
      4) Department of Fish and Game
      5) All Air Quality Management Districts with jurisdiction
      6) All Regional Water Quality Control Boards with jurisdiction
      7) Division of the State Architect (if having jurisdiction)

   d. All Local Agencies with jurisdiction (cities, counties, fire departments)
C. Change Orders and Claims:

1. The California Public Contract Code, including but not limited to Section 7105(d)(2), and the California Government Code Section 930.2 et seq., apply to all contract procedures for changes, time extensions, change orders (time or compensation) and claims. Federal law (U.S. v. Holpuch 326 U.S. 234) shall supplement California law on the enforceability of these requirements.

2. Any change, waiver, or omission to implement contract change order and claim procedures shall have no legal effect unless expressly permitted in a fully executed change order approved by Contractor and Owner and approved as to form by their respective legal counsel.

D. Required Provisions On Contract Claim Resolution

1. The California Public Contract Code specifies required provisions on resolving contract claims less than $375,000, which are set forth below, and constitute a part of this Contract.

2. For the purposes of this section, "Claim" means a separate demand by Contractor of $375,000 or less for (1) a time extension, (2) payment or money or damages arising from Work done by or on behalf of Contractor arising under the Contract Documents and payment of which is not otherwise expressly provided for or the Claimant is not otherwise entitled to, or (3) an amount the payment of which is disputed by Owner. In order to qualify as a Claim, the written demand must state that it is a Claim submitted under paragraph 12 of Document 00 7200 (General Conditions) and be submitted in compliance with all requirements of Document 00 7200 (General Conditions), paragraph 12. Separate Claims which total more than $375,000 do not qualify as a “separate demand of $375,000 or less,” as referenced above, and are not subject to this section.

3. A voucher, invoice, payment application, or other routine or authorized form of request for payment is not a Claim for purposes of this section. If such request is disputed as to liability or amount, then the disputed portion of the submission may be converted to a Claim under this section by submitting a separate claim in compliance with Contract Documents claim submission requirements.

4. Caution. This section does not apply to tort claims and nothing in this section is intended nor shall be construed to change the time periods for filing tort claims or actions specified by Chapter 1 and Chapter 2 of Part 3 of Division 3.6 of Title 1 of the California Government Code.

5. Procedure:

a. The Claim must be in writing, submitted in compliance with all requirements of Document 00 7200 (General Conditions), paragraph 12, including, but not limited to, the time prescribed by and including the documents necessary to substantiate the Claim, pursuant to Document 00 7200 (General Conditions), paragraph 12.3. Claims must be filed on or before the day of final payment. Nothing in this section is intended to extend the time limit or supersede notice requirements for the filing of claims as set forth in Document 00 7200 (General Conditions), paragraph 12 or elsewhere in the Contract Documents.

b. For Claims of fifty thousand dollars ($50,000) or less, Owner shall respond in writing within forty-five (45) days of receipt of the Claim, or Owner may request in writing within thirty (30) days of receipt of the Claim, any additional documentation supporting the Claim or relating to any defenses or claims Owner may have against Claimant. If additional information is thereafter required, it shall be requested and provided in accordance with this section upon mutual agreement of Owner and Claimant. Owner’s written response to the Claim, as further documented, shall be submitted to Claimant within fifteen (15) days after receipt of further documentation or within a period of time no greater than taken by Claimant in producing the additional information, whichever is greater.

c. For Claims over Fifty Thousand Dollars ($50,000) and less than or equal to $375,000: Owner shall respond in writing within sixty (60) days of receipt of the Claim, or Owner may request in writing within thirty (30) days of receipt of the Claim,
any additional documentation supporting the Claim or relating to any defenses or claims Owner may have against Claimant. If additional information is thereafter required, it shall be requested and provided in accordance with this section, upon mutual agreement of Owner and Claimant; Owner’s written response to the Claim, as further documented, shall be submitted to Claimant within thirty (30) days after receipt of further documentation or within a period of time no greater than taken by Claimant in producing the additional information, whichever is greater.

d. Meet and Confer: If Claimant disputes Owner’s written response, or Owner fails to respond within the time prescribed above, Claimant shall notify Owner, in writing, either within fifteen (15) days of receipt of Owner’s response or within fifteen (15) days of Owner’s failure to timely respond, and demand an informal conference to meet and confer for settlement of the issues in dispute. Upon demand Owner will schedule a meet and confer conference within thirty (30) days for settlement of the dispute.

e. Following the meet and confer conference, if the Claim or any portion remains in dispute, Claimant may file a claim as provided in Chapter 1 (commencing with Section 900) and Chapter 2 (commencing with Section 910) of Part 3 of Division 3.6 of Title 1 of the California Government Code. For purposes of those provisions, the running of the period of time within which a claim must be filed shall be tolled from the time Claimant submits its written claim as set forth herein, until the time that Claim is denied as a result of the meet and confer process, including any period of time utilized by the meet and confer process.

E. Compliance With Americans With Disabilities Act

1. Contractor acknowledges that, pursuant to the Americans with Disabilities Act (ADA), programs, services and other activities provided by a public entity to the public, whether directly or through a Contractor, must be accessible to the disabled public. Contractor shall provide the services specified in the Contract Documents in a manner that complies with the ADA and any and all other applicable federal, state and local disability rights legislation. Contractor agrees not to discriminate against disabled persons in the provision of services, benefits or activities provided under the Contract Documents and further agrees that any violation of this prohibition on the part of Contractor, its employees, agents or assigns shall constitute a material breach of the Contract Documents.

F. Compliance With IRCA

1. Contractor acknowledges that Contractor, and all subcontractors hired by Contractor to perform services under this Agreement, are aware of and understand the immigration Reform and Control Act (“IRCA”). Contractor is and shall remain in compliance with the IRCA and shall ensure that any subcontractors hired by Contractor to perform services under this Agreement are in compliance with the IRCA. In addition, Contractor agrees to indemnify, defend and hold harmless Owner, its agents, officers and employees, from any liability, damages or causes of action arising out of or relating to any claims that Contractor’s employees, or employees of any subcontractor hired by Contractor, are not authorized to work in the United States for Contractor or its subcontractor and/or any other claims based upon alleged IRCA violations committed by Contractor or Contractor’s subcontractors.
LANEY COLLEGE REROOFING PROJECT

SECTION 01 4200

REFERENCES AND DEFINITIONS

PART 1 - GENERAL

1.01 SUMMARY

A. Section Includes:
   1. Reference standards, abbreviations, symbols, and definitions used in Contract Documents.
   2. Full titles are given in this Section for standards cited in other Sections of Specifications.

1.02 REFERENCE TO STANDARDS AND SPECIFICATIONS OF TECHNICAL SOCIETIES; REPORTING AND RESOLVING DISCREPANCIES

A. References

1. Reference to standards, specifications, manuals, or codes of any technical society, organization, or association, or to the laws or regulations of any governmental authority, whether such reference be specific or by implication, shall mean the latest standard, specification, manual, code, or laws or regulations in effect at the time of opening of Bids, except as may be otherwise specifically stated in the Contract Documents.

2. If during the performance of the Work, Contractor discovers any conflict, error, ambiguity, or discrepancy within the Contract Documents or between the Contract Documents and any provision of any such law or regulation applicable to the performance of the Work or of any such standard, specification, manual, code, or of any instruction of any supplier, Contractor shall report it in writing at once to Owner’s Representative and Architect/Engineer, and Contractor shall not proceed with the Work affected thereby until consent to do so is given by Owner.

B. Precedence

1. Except as otherwise specifically stated in the Contract Documents or as may be provided by Change Order, CCD, or Supplemental Instruction, the provisions of the Contract Documents shall take precedence in resolving any conflict, error, ambiguity, or discrepancy between the provisions of the Contract Documents and:
   a. The provisions of any such standard, specification, manual, code, or instruction (whether or not specifically incorporated by reference in the Contract Documents); or
   b. The provisions of any such laws or regulations applicable to the performance of the Work (unless such an interpretation of the provisions of the Contract Documents would result in violation of such law or regulation).

2. No provision of any such standard, specification, manual, code, or instruction shall be effective to change the duties and responsibilities of Owner, Owner’s Representative, Architect/Engineer or Contractor, or any of their subcontractors, consultants, agents, or employees, from those set forth in the Contract Documents, nor shall it be effective to assign to Owner, Architect/Engineer, or any of their consultants, agents, representatives or employees any duty or authority to supervise or direct the furnishing or performance of the Work or any duty or authority to undertake responsibility inconsistent with the provisions of the Contract Documents.

C. Referenced Grades, Classes, and Types:
1. Where an alternative or optional grade, class, or type of product or execution is included in a reference but is not identified in Drawings or in Specifications, provide the highest, best, and greatest of the alternatives or options for the intended use and prevailing conditions.

D. **Edition Date of References:**

1. When an edition or effective date of a reference is not given, it shall be understood to be the current edition or latest revision published as of the date of opening Bids.
2. All amendments, changes, errata and supplements as of the effective date shall be included.

E. **ASTM and ANSI References:** Specifications and Standards of the American Society for Testing and Materials (ASTM) and the American National Standards Institute (ANSI) are identified in the Drawings and Specifications by abbreviation and number only and may not be further identified by title, date, revision, or amendment. It is presumed that Contractor is familiar with and has access to these nationally- and industry-recognized specifications and standards.

1.03 **DEFINITIONS**

A. **Meaning of Words and Phrases**

Wherever any of the words or phrases defined below, or a pronoun used in place thereof, is used in any part of the Contract Documents, it shall have the meaning here set forth. Where abbreviations and symbols are used, such abbreviations and symbols shall be given their common meaning in the construction industry. In the Contract Documents, the neuter gender includes the feminine and masculine, and the singular number includes the plural.

While Owner has made an effort to identify all defined terms with initial caps, the following definitions shall apply regardless of case unless the context otherwise requires:

1. **Addenda:** Written or graphic instruments issued prior to the opening of Bids, which clarify, correct, or change the bidding requirements or the Contract Documents. Addenda shall not include the minutes of the Pre-Bid Conference and/or Site Visit.
2. **Agreement (Document 00 5200):** Agreement is the basic Contract Document that binds the parties to construction Work. Agreement defines relationships and obligations between Owner and Contractor and by reference incorporates Conditions of Contract, Drawings, and Specifications and contains Addenda and all Modifications subsequent to execution of Contract Documents.
3. **Alternate:** Work added to or deducted from the base Bid, if accepted by Owner.
4. **Application for Payment:** Written application for monthly or periodic progress or final payment made by Contractor complying with the Contract Documents.
5. **Approved Equal:** Approved in writing by Owner as being of equivalent quality, utility and appearance.
6. **Architect/Engineer:** If used elsewhere in the Contract Documents, “Architect/Engineer” shall mean a person (or that person’s firm) holding a valid California State Architect’s or Engineer’s license representing the Owner in the administration of the Contract Documents. Architect/Engineer may be an employee of or an independent consultant to Owner. When Architect/Engineer is referred to within the Contract Documents and not an employee of Owner, Architect/Engineer shall be construed to include employees of Architect/Engineer and/or employees that Architect/Engineer supervises. When the designated Architect/Engineer is an employee of Owner, his or her authorized representatives on the Project will be included under the term Architect/Engineer. If Architect/Engineer is an employee of Owner, Architect/Engineer is the beneficiary of all Contractor obligations to Owner, including without limitation, all releases and indemnities. Architect/Engineer may also be referred to as Architect or Engineer.
7. Asbestos: Any material that contains more than one percent asbestos and is friable or is releasing asbestos fibers into the air above current action levels established by OSHA or Cal/OSHA.

8. Bid: The offer or proposal of the Bidder submitted on the prescribed form(s) setting forth the prices for the Work to be performed.


10. Bidding Documents: All documents comprising the Project Manual (including all documents and Specification Sections listed in Document 00 0110 [Table of Contents]), including documents supplied for bidding purposes only and Contract Documents.


12. Business Day: Any Day other than Saturday, Sunday, and the following days that have been designated as holidays by Owner. If a holiday falls on a Saturday, the preceding Friday will be the holiday. If a holiday falls on a Sunday, the following Monday will be the holiday.
   a. New Year’s Day, January 1;
   b. Martin Luther King Jr.’s Birthday, third Monday in January;
   c. Lincoln’s Birthday, February 12;
   d. Presidents’ Day, third Monday in February;
   e. Memorial Day, last Monday in May;
   f. Independence Day, July 4;
   g. Labor Day, first Monday in September;
   h. Veterans’ Day, November 11;
   i. Thanksgiving Day, as designated by the President;
   j. The Day following Thanksgiving Day;
   k. Christmas Day, December 25; and
   l. Each day appointed by the Governor of California and formally recognized by the Governing Board as a day of mourning, thanksgiving, or special observance.

13. By Owner: Work that will be performed by Owner or its agents at the Owner’s expense.

14. By Others: Work that is outside scope of Work to be performed by Contractor under this Contract, which will be performed by Owner, other contractors, or other means.

15. Change Order: A written instrument prepared by Owner and signed by Owner and Contractor, stating their agreement upon all of the following:
   a. a change in the Work;
   b. the amount of the adjustment in the Contract Sum, if any; and
   c. the amount of the adjustment in the Contract Time, if any.

16. Code Inspector: A local or state agency responsible for the enforcement of applicable codes and regulations.

17. Concealed: Work not exposed to view in the finished Work, including within or behind various construction elements.

18. Construction Change Directive (“CCD”): A written order prepared and signed by Owner, directing a change in the Work and stating a proposed basis for adjustment, if any, in the Contract Sum or Contract Time, or both.

19. Contract Amount: a change order price, line item price, Contract Sum, or other price assigned to a scope of work.

20. Contract Conditions or Conditions of the Contract: Consists of two parts: General Conditions and Supplementary Conditions.
   a. General Conditions are general clauses that are common to the Owner Contracts, including Document 00 7200 (General Conditions).
b. Supplementary Conditions modify or supplement General Conditions to meet specific requirements for Contract Documents, including Document 00 7201 (Supplementary Conditions).


22. Contract Modification: Either:
   a. a written amendment to Contract signed by Contractor and Owner; or
   b. a Change Order; or
   c. a Construction Change Directive; or
   d. a written directive for a minor change in the Work issued by Owner.

23. Contract Sum: The sum stated in the Agreement and, including authorized adjustments, the total amount payable by Owner to Contractor for performance of the Work and the Contract Documents. The Contract Sum is also sometimes referred to as the Contract Price or the Contract Amount.

24. Contract Time: The number or numbers of Days or the dates stated in the Agreement to achieve Substantial Completion of the Work or designated Milestones; and/or to achieve Final Completion of the Work so that it is ready for final payment and is accepted.

25. Contractor: The person or entity identified as such in the Agreement and referred to throughout the Contract Documents as if singular in number and neutral in gender. The term “Contractor” means the Contractor or its authorized representative.

26. Contractor’s Employees: Persons engaged in execution of Work under Contract as direct employees of Contractor, as Subcontractors, or as employees of Subcontractors.

27. Day: One calendar day of 24 hours measured from midnight to the next midnight, unless the word “day” is specifically modified to the contrary.

28. Defective: An adjective which, when modifying the word “Work,” refers to Work that is unsatisfactory or unsuited for the use intended, faulty, or deficient, that does not conform to the Contract Documents, or does not meet the requirements of any inspection, reference standard, test or approval referred to in the Contract Documents (including but not limited to approval of Samples and “or equal” items), or has been damaged prior to final payment (unless responsibility for the protection thereof has been assumed by Owner). Unapproved substitutions are defective. Owner is the judge of whether Work is Defective.

29. Division of State Architect: A division of the State of California providing, design and construction oversight for K–12 schools and community colleges, and developing and maintaining accessibility standards and codes utilized in public and private buildings throughout the State of California.

30. Drawings: The graphic and pictorial portions of Contract Documents, wherever located and whenever issued, showing the design, location and dimensions of the Work, generally including plans, elevations, sections, details, schedules, and diagrams.


32. Final Acceptance or Final Completion: Owner’s acceptance of the Work as satisfactorily completed in accordance with Contract Documents. Requirements for Final Acceptance/Final Completion include, but are not limited to:
   a. Final cleaning is completed.
   b. All systems having been tested and accepted as having met requirements of Contract Documents.
   c. All required instructions and training sessions having been given by Contractor.
   d. All Project Record Documents having been submitted by Contractor, reviewed by Owner, and accepted by Owner.
   e. All punch list Work, as directed by Owner, having been completed by Contractor.
f. Generally all Work, except Contractor maintenance after Final Acceptance/Final Completion, having been completed to satisfaction of Owner.

33. Force Account: Work directed to be performed without prior agreement as to lump sum or unit price cost thereof, and which is to be billed at cost for labor, materials, equipment, taxes, and other costs, plus a specified percentage for overhead and profit.

34. Exposed: Work exposed to view in the finished Work, including behind louvers, grilles, registers and various other construction elements.

35. Furnish: Supply only, do not install.

36. Indicated: Shown or noted on the Drawings.

37. Install: Install or apply only, do not furnish.

38. Latent: Not apparent by reasonable inspection, including but not limited to, the inspections and research required as a condition to bidding under Document 00 7200 (General Conditions).

39. Law: Unless otherwise limited, all applicable laws including without limitation all federal, state, and local laws, statutes, standards, rules, regulations, ordinances, and judicial and administrative decisions.

40. Material: This word shall be construed to embrace machinery, manufactured articles, materials of construction (fabricated or otherwise), and any other classes of material to be furnished in connection with Contract, except where a more limited meaning is indicated by context.

41. Milestone: A principal event specified in Contract Documents relating to an intermediate completion date or time prior to Substantial Completion of all Work.

42. Modification: Same as Contract Modification.

43. Not in Contract or “NIC”: Work that is outside the scope of Work to be performed by Contractor under Contract Documents.

44. Notice of Completion: Shall have the meaning provided in California Civil Code §3093, and any successor statute.

45. Off Site: Outside geographical location of the Project.

46. Owner: Owner is defined in Document 00 5200 (Agreement).

47. Owner-Furnished, Contractor Installed: Items furnished by Owner at its cost for installation by Contractor at its cost under Contract Documents.

48. Owner’s Representative(s): See Document 00 5200 (Agreement).

49. Partial Utilization: Use by Owner of a substantially completed part of the Work for the purpose for which it is intended (or a related purpose) prior to Substantial Completion of all of the Work.

50. PCBs: Polychlorinated byphenyls.

51. Phase: A specified portion of the Work (if any) specifically identified as a Phase in Document 00 5200 (Agreement) or Document 01 1100 (Summary).

52. Product Data: That information (brochures, catalog sheets, manufacturer’s cut sheets, etc.) supplied by vendors having technical and commercial characteristics of the supplied equipment or materials and accompanying commercial terms such as warranties, instructions, and manuals.

53. Progress Report: A periodic report submitted by Contractor to Owner with progress payment invoices accompanying progress schedule. See Document 00 7200 (General Conditions).

54. Project: Total construction of which Work performed under Contract Documents may be whole or part.

55. Project Manager: If used elsewhere in the Contract Documents, “Project Manager” shall mean a person representing the Owner in the administration of the Contract Documents. Project Manager may be an employee of or an independent consultant to Owner.
Project Manager is referred to within the Contract Documents and no Project Manager has in fact been designated, then the matter shall be referred to Owner. The term Project Manager shall be construed to include employees of Project Manager and/or employees that Project Manager supervises. When the designated Project Manager is an employee of Owner, his or her authorized representatives on the Project will be included under the term Project Manager. If Project Manager is an employee of Owner Project Manager is the beneficiary of all Contractor obligations to Owner, including without limitation, all releases and indemnities.


57. Project Record Documents: All Project deliverables required under the Contract Documents, including without limitation, as built drawings; Installation, Operation, and Maintenance Manuals; and Machine Inventory Sheets.

58. Provide: Furnish and install.

59. Request for Information (“RFI”): A document prepared by Contractor requesting information regarding the Project or Contract Documents. The RFI system is also a means for Owner to submit Contract Document clarifications or supplements to Contractor.

60. Request for Proposals (“RFP”): A document issued by Owner to Contractor whereby Owner may initiate changes in the Work or Contract Time as provided in Contract Documents.


62. RFI-Reply: A document consisting of supplementary details, instructions, or information issued by Owner that clarifies or supplements Contract Documents, and with which Contractor shall comply. RFI- Replies do not constitute changes in Contract Sum or Contract Time except as otherwise agreed in writing by Owner. RFI-Replies will be issued through the RFI administrative system.

63. Samples: Physical examples of materials, equipment, or workmanship that are representative of some portion of the Work and which establish the standards by which such portion of the Work will be judged.

64. Shop Drawings: All drawings, diagrams, illustrations, schedules, and other data or information which are specifically prepared or assembled by or for Contractor and submitted by Contractor to illustrate some portion of the Work.

65. Shown: As indicated on Drawings.

66. Site: The particular geographical location of Work performed pursuant to the Contract Documents.


68. Specified: As written in Specifications.

69. Subcontractor: A person or entity that has a direct contract with Contractor to perform a portion of the Work at the Site. The term “Subcontractor” is referred to throughout the Contract Documents as if singular in number and neutral in gender and means a Subcontractor or an authorized representative of the Subcontractor. The term “Subcontractor” does not include a separate contractor or subcontractors of a separate contractor.

70. Substantial Completion: The Work (or a specified part thereof) has progressed to the point where, in the opinion of Owner as evidenced by a notice or certificate of Substantial Completion, the Work is sufficiently complete, in accordance with Contract Documents, so that the Work (or specified part) can be utilized for the purposes for which it is intended, and unperformed or incomplete work elements are minor in nature; or if no such certificate is issued, when the Work (or specified part) is complete and ready for final payment as
evidenced by written recommendation of Owner for final payment. The terms “Substantially Complete” and “Substantially Completed” as applied to all or part of the Work refer to Substantial Completion thereof.

71. Supplemental Instruction: A written directive from Owner to Contractor ordering alterations or Modifications that do not result in change in Contract Sum or Contract Time, and do not substantially change Drawings or Specifications.

72. Testing and special inspection agency: An independent entity engaged to inspect and/or test the workmanship, materials, or manner of construction of buildings or portions of buildings, to determine if such construction complies with the Contract Documents and applicable codes.

73. Underground Facilities: All pipelines, conduits, ducts, cables, wires, manholes, vaults, tanks, tunnels or other such facilities or attachments, and any encasements containing such facilities that have been installed underground to furnish any of the following services or materials: Electricity, gases, chemicals, steam, liquid petroleum products, telephone or other communications, cable television, sewage and drainage removal, traffic or other control systems, or water.

74. Unit Price Work: Shall be the portions of the Work for which a unit price is provided in Document 00 5200 (Agreement) or Section 01 1100 (Summary).

75. Work: The entire completed construction, or the various separately identifiable parts thereof, required to be furnished under the Contract Documents within the Contract Time. Work includes and is the result of performing or furnishing labor and furnishing and incorporating materials and equipment into the construction, and performing or furnishing services and furnishing documents, all as required by the Contract Documents including everything shown in the Drawings and set forth in the Specifications. Wherever the word “work” is used, rather than the word “Work,” it shall be understood to have its ordinary and customary meaning.

B. Other Defined Terms

The following terms are not necessarily identified with initial caps; however they shall have the meaning set forth below:

1. Wherever words “as directed,” “as required,” “as permitted,” or words of like effect are used, it shall be understood that direction, requirements, or permission of Owner is intended. Words “sufficient,” “necessary,” “proper,” and the like shall mean sufficient, necessary, or proper in judgment of Owner. Words “approved,” “acceptable,” “satisfactory,” “favorably reviewed,” or words of like import, shall mean approved by, or acceptable to, or satisfactory to, or favorably reviewed by Owner.

2. Wherever the word “may” or “ought” is used, the action to which it refers is discretionary. Wherever the word “shall” or “will” is used, the action to which it refers is mandatory.

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION – NOT USED

END OF SECTION
PART 1 - GENERAL

1.01 SECTION INCLUDES

A. Specifications for general requirements for furnishing, installing, operating, and removing temporary project facilities and controls as required to perform and complete the Work.

1.02 REFERENCES

A. American National Standards Institute (ANSI)
   ANSI S1.4 Specification for Sound Level Meters

B. State of California, Department of Transportation (Caltrans), Standard Specific
   Section 12 Construction Area Traffic Controls Devices
   Section 82 Markers and Delineators

C. State of California, Department of Transportation (Caltrans), Traffic Manual
   Chapter 5, Manual of Traffic Controls for Construction and Maintenance Work

D. State of California (Caltrans), Standard Plans

1.03 TRAFFIC PLAN AND CONTROLS

A. Traffic Control Plan

1. A traffic control plan and schedule will be submitted to the Engineer at the preconstruction conference. This plan will explain how the Contractor will control the traffic during the life of the project. In this plan Contractor will identify how and when construction will take place with minimum impact to campus access. The traffic control plan shall include explanatory narrative as required to complete the plan.

B. Permits: As applicable, apply for and obtain all permits from jurisdictional authorities as required to perform work, including hauling permits. Two copies of issued permits shall be furnished to the Engineer for record purposes.
C. Temporary Closing to Traffic: Prior to temporary closing the breezeway, or other access, or to changing traffic patterns from those indicated on the Contract Drawings, obtain approval from appropriate jurisdictional authority, and comply with imposed conditions, at least two weeks before such closures or changes are made. Deviations will be for an emergency condition affecting life and property only, and the Contractor shall immediately notify the Engineer and the appropriate jurisdictional authority of any such emergency changes. Copies of all approvals shall be furnished to the Engineer.

D. Temporary Walkways: In areas where removal of existing sidewalks is necessary, access to adjacent businesses, entrances, and properties shall be maintained by temporary walkways having a width of not less than four feet and meeting ADA requirements.

E. Temporary Paving and Patching: Construct, maintain, and remove temporary pavement and patching required to safely and expeditiously handle vehicle and pedestrian traffic, within or adjacent to the jobsite. Temporary pavement and patching composition shall conform to the specifications of the local jurisdictional authority. Any construction, maintenance, or removal required by the Contractor’s operations off site shall conform to the requirements specified herein.

1.04 HAUL ROUTES

A. Make arrangements with the various jurisdictional authorities for access to streets and roads for transporting materials, equipment, excess earth and soil materials, and debris to and from the site of the Work.

B. All such access or haul routes shall be indicated on the traffic control plan and shall be submitted to the jurisdictional authorities for approval as specified in Article 1.03 herein.

C. These haul routes shall be maintained and cleaned of all dirt and debris resulting from the Contractor’s use of these streets and roads. Any damage to streets and roads resulting from the Contractor’s use shall be properly repaired and, at completion of this Contract, restored to their original condition or better.

1.05 CONSTRUCTION OPERATIONS UNDER TRAFFIC

A. Definitions: Construction equipment is defined for the purposes of this Article as all types of equipment, vehicles, and tools used in connection with construction work. The term workers includes every person or firm performing work in or adjacent to public streets.
B. Construction Equipment: When in traffic lanes, all vehicles and equipment shall be operated at normal traffic speeds. If this is not practicable, a slow moving vehicle emblem shall be displayed in accordance with the Motor Vehicle Code. Construction equipment shall not be parked in any lane intended for use by normal traffic. Equipment parked or stored at the work site shall be behind a guard rail, barrier, curb, or other protective device.

C. One-Way Traffic: No construction equipment shall be operated in traffic lanes, except in the designated direction of travel for respective lanes.

D. Construction Operations
1. Schedule surface operations so that work is not carried on intermittently throughout the area. Excavation or construction activities shall be scheduled and pursued to completion as required to permit opening of street areas to traffic without unnecessary delays.

2. No construction work involving occupancy of traffic lanes shall be performed during adverse weather conditions or adverse road conditions, and traffic shall be properly safeguarded by use of flashers and lights in addition to the signs and other markings specified herein. During these periods, no construction deliveries shall take place over a travel lane or immediately adjacent thereto.

3. When traffic conditions dictate, the Contractor shall modify its work operation for such length of time as required to alleviate the hazardous traffic conditions.

E. Equipment Travel
1. No construction equipment other than that designated and used for general highway transportation shall be moved on streets during hours of darkness or periods of adverse weather conditions which reduce normal visibility.

2. Any construction equipment or material required for construction operations which exceeds the maximum vehicle dimensions specified in the Motor Vehicle Code, shall be moved only in accordance with established State and local regulations. No such oversize load shall be moved over public streets without first obtaining approval of the appropriate jurisdictional authority.

F. Crossing Traffic Lanes: Construction equipment entering the traveled way from the median shall be safeguarded by a CMS and with flaggers as required. Where traffic speeds are high, slow-moving construction equipment entering the traveled way shall be protected by a “rolling barricade” supplied by the California Highway Patrol (CHP). This operation shall be performed at off-peak hours and requires coordination between the Contractor and the CHP, with the cost being borne by the Contractor.
G. Flaggers: When flagging is required, provide qualified flaggers and flagging in accordance with the requirements of the Caltrans Traffic Manual, Chapter 5, Manual of Traffic Controls, Section 5.07.

H. Removal of Traffic Control Devices: All temporary signs, barricades, barrier curbs, crash cushions, drums, and cones used to safeguard traffic in connection with construction work shall be removed at the close of the work day, unless the state of the work is such that warning devices are still needed and are adapted for night closing.

I. Storage: No material or traffic control devices shall be stored on any lane intended for traffic use.

1.06 POLLUTION ABATEMENT - GENERAL REQUIREMENTS

A. Comply with the General Conditions, Article GC7.10. Conduct construction operations in a manner which will minimize pollution of the environment surrounding the area of the Work by all practicable means and methods. Apply specific controls as specified in the Contract Specifications and as follows:

1. Waste Materials: No waste or eroded materials shall be allowed to enter natural or man-made water or sewage removal systems. Eroded materials from excavations, borrow areas, or stockpiled fill shall be contained within the Work area. The Contractor shall develop methods for control of erosion as specified in Article 1.08 herein.

2. Burning: No burning of waste materials or debris will be permitted.

3. Burying: No burying of waste materials and debris will be permitted within the limits of the District’s property.

B. Provide for and maintain the flow of all sewers, drains, house or inlet connections, and all water courses which may be encountered during progress of the Work. Do not allow the contents of any sewer, drain or house or inlet connection to flow into trenches or outside of the District’s property unless in an approved area consistent with State and Federal regulations. Immediately remove from proximity of the work all offensive matte, using such precautions as are required by jurisdictional authorities.

1.07 DUST CONTROL

A. Provide dust control at all times, including holidays and weekends, as required to abate dust nuisance on and about the site which is a result of construction activities. Dust control shall be by means of sprinklered water or by other approved methods, except that chemicals, oil, or similar palliative shall not be used.
B. Quantities and equipment for dust control shall be sufficient to effectively prevent dust nuisance on and about the site; and when weather conditions warrant, sprinklering equipment shall be on hand at all times for immediate availability.

C. The Engineer shall have authority to order dust control work whenever conditions warrant, and there shall be no additional cost to the District therefor. Dust control shall be effectively maintained whether or not the Engineer orders such work.

D. Complaints from the public shall be reported to the District and shall be acted on immediately.

E. Where earthwork operations are in progress, keep exposed earth surfaces dampened continuously. Also, keep dirt accessways and roads dampened continuously.

F. If portions of the site are temporarily inactive or abandoned for whatever reason, provide dust control and abatement continuously during such periods of inactivity.

G. Where dust resulting from construction activities has collected on public sidewalks and streets, hose down such sidewalks and streets to abate flying dust particles. Clean all sidewalks and streets from accumulated dirt and dust.

1.08 MUD CONTROL

A. Take proper measures to prevent tracking of mud onto public streets, drives, and sidewalks. Such measures shall include, but are not limited to, covering muddy areas on the site with clean, dry sand.

B. All egress from the site shall be maintained in a dry condition, and any mud tracked onto streets, sidewalks, or drives shall be immediately removed, and the affected area shall be cleaned. The Engineer may order such work at any time the conditions warrant.

C. Where trucks will leave a muddy site and enter paved public streets, the Contractor shall maintain a suitable truck wheel-washing facility and crew. All trucks, or other vehicles leaving the site, shall be cleaned of mud and dirt, including mud and dirt clinging to exterior body surfaces of vehicles.

D. All trucks coming to the site or leaving the site with materials or loose debris shall be loaded in a manner which will prevent dropping of materials or debris on streets. Spillage resulting from hauling operations along or across any public traveled way shall be removed immediately.

1.09 NOISE CONTROL

A. Requirements: Minimize noise caused by construction operations, and provide working machinery and equipment fitted with efficient noise suppression devices. Employ other noise abatement measures as necessary for protection of employees and the public. In addition, restrict working hours and schedule operations in a
manner which will minimize, to the greatest extent feasible, disturbance to residents and/or students in the vicinity of the Work.

B. Definitions

1. Daytime refers to the period from 7:00 a.m. to 7:00 p.m. local time daily except Sundays and legal holidays.

2. Nighttime refers to all other times including all day Sunday and legal holidays.

3. Construction Limits are defined for the purpose of these noise control requirements as the District right-of-way lines, construction easement boundaries, or property lines as indicated on the Contract Drawings.

4. Zones, Special Zones, and Special Construction Sites outside of the Construction Limits shall be as designated by the local authority having jurisdiction. Such specially designated zones shall be treated by the Contractor as if they were within the Construction Limits.

C. Monitoring

1. Promptly inform the District Representative of any complaints received from the public regarding noise. Describe the action proposed and the schedule for implementation, and subsequently inform the District Representative of the results of the action.

2. Monitor noise levels day and night and for each new activity or piece of equipment. Start by measuring three times a day plus once a night for three consecutive days. Monitor noise levels at least once a week thereafter.

D. Measurement Procedure

1. Except where otherwise indicated, perform all noise measurements using the A-weight network and “slow” response of an instrument complying with the criteria for a Type 2 General Purpose sound level meter as described in ANSI S1.4.

2. Measure impulsive or impact noises with an impulse sound level meter complying with the criteria of IEC 179 for impulse sound level meters. As an alternative procedure, a Type 2 General Purpose sound level meter on C-weighting and “fast” response may be used to estimate peak values of impulsive or impact noises. Transient meter indications of 125 dBC “fast” or higher will be considered as indications of impulsive noise levels of 140 dB or greater.
3. Measure noise levels at buildings affected acoustically by the Contractor’s operations at points between three feet and six feet from the building face to minimize the effect of reflections.

4. Measure noise levels at points on the outer boundaries of Construction Limits or Special Construction Sites for noise emanating from within.

5. Where more than one criterion of noise limits are applicable, use the more restrictive requirement for determining compliance.

E. Continuous Construction Noise: Prevent noise from stationary sources, parked mobile sources, or any source or combination of sources producing repetitive or long-term noise lasting more than one hour from exceeding the following limits:

1. Maximum Allowable Continuous Noise Level, dBA:

<table>
<thead>
<tr>
<th>Affected Residential Area</th>
<th>Daytime</th>
<th>Nighttime</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single family residence</td>
<td>60</td>
<td>50</td>
</tr>
<tr>
<td>Along an arterial or in multi-family residential areas, including hospitals</td>
<td>65</td>
<td>55</td>
</tr>
<tr>
<td>In semi-residential/commercial areas, including hotels</td>
<td>70</td>
<td>60</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Affected Commercial Area</th>
<th>At All Times</th>
</tr>
</thead>
<tbody>
<tr>
<td>In semi-residential/commercial areas, including schools</td>
<td>65</td>
</tr>
<tr>
<td>In commercial areas with no nighttime residency</td>
<td>65</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Affected Industrial Areas</th>
<th>At All Times</th>
</tr>
</thead>
<tbody>
<tr>
<td>All locations</td>
<td>65</td>
</tr>
</tbody>
</table>

F. Intermittent Construction Noise: Prevent noises from non-stationary mobile equipment operated by a driver or from any source of non-scheduled, intermittent, non-repetitive, short-term noises not lasting more than four hours from exceeding the following limits:

1. Maximum Allowable Intermittent Noise Level, dBA:

<table>
<thead>
<tr>
<th>Affected Residential Area</th>
<th>Daytime</th>
<th>Nighttime</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single family residence areas</td>
<td>75</td>
<td>60</td>
</tr>
</tbody>
</table>
Along an arterial or in multi-family residential areas, including hospitals 75 65

In semi-residential/commercial areas, including hotels 75 70

Affected Commercial Area At All Times

In semi-residential/commercial areas, including schools 80

In commercial areas with no nighttime residency 85

Affected Industrial Area At All Times

All locations 90

1.10 EXISTING UTILITIES / FACILITIES

A. It is not the intent of the plans to show the exact location of existing or relocated utilities, and the Engineer and Owner assume no responsibility therefor. The Contractor is advised that underground utilities are not shown on the plan drawings. The Contractor shall be responsible for verifying actual location and depth of existing utilities in the field. Where excavation is contemplated, the Contractor shall notify Underground Service Alert at (800) 642-2444 or 811, prior to such excavation.

B. Where excavations are performed in the vicinity of underground utility mains and/or services the Contractor shall, as necessary, perform initial exploratory excavations to determine their exact depth and location. Payment for exploratory excavation shall be included in the various items of work needed to complete the excavation work. Extreme care shall be exercised to avoid damage, and it will be the Contractor’s sole responsibility to have repairs made to existing facilities at his/her expense in the event of damage.

C. The Contractor is advised of the possible existence of certain underground facilities that may require special precautions to protect the health, safety and welfare of the workmen and of the public. These facilities include, but are not limited to: irrigation lines and peripherals; street lighting electric supply system conductors or conduits; telephone and cable service lines, either directly buried or in duct or conduit and; underground water, gas, and electrical distribution systems.

D. The Contractor shall not be entitled to any right of way delays associated with the relocation or repair of these utilities and other facilities and shall cooperate fully with the owners of these utilities and other facilities for their relocation and repair work.
E. Schedule constraints will be discussed at the preconstruction conference and the Contractor shall incorporate such adjustments in their contract scheduling as necessary.

F. All existing facilities in conflict with the proposed improvements shall be relocated by the Contractor.

1.11 TEMPORARY FACILITIES AND UTILITIES

A. Contractor's Offices

1. If applicable, Contractor shall maintain on site a suitable office completely furnished to house the administrative staff of the Contractor to the satisfaction of the Owner.

2. The facility shall have sufficient telephone and data cabling to maintain telephone service, fax service and computer connections to run all software and operations required to satisfactorily communicate with the project team.

3. Contractor shall submit to the Owner the intended office and equipment configuration for approval prior to placement and installation.

B. Electric Power and Lighting

1. The Contractor will furnish and pay for power during the course of the work to the extent power is available on the Site. The Contractor shall be responsible for providing and maintaining temporary facilities required to deliver that power service from its existing location on the Site to points of use.

2. Contractor shall verify characteristics of power available on the Site. Contractor shall take all actions required to make modifications where power of higher voltage or different phases of current are required. Contractor shall be fully responsible for providing that service and shall pay all costs required therefore.

3. The Contractor shall furnish, wire, install, and maintain temporary electrical lights wherever it is necessary to provide illumination for the proper performance and/or observation of the Work. If portable or temporary lights are used, all light must be located so as not to direct light into neighboring properties.

C. Water

1. The Contractor will furnish and pay for water during the course of the work to the extent water is then available on the Site. The Contractor shall be responsible for providing and maintaining temporary facilities required to
deliver such utility service from its existing location on the Site to points of use.

2. Contractor shall use backflow preventers on water lines at point of connection to outside water supply. Backflow preventers shall comply with requirements of Uniform Plumbing Code.

3. Contractor shall make potable drinking water available for human consumption. Drinking water shall be potable, and drinking water facilities shall be clean and sanitary.

D. Sanitary Facilities

1. Provide adequate temporary toilet conveniences, and washing facilities, for use of all employees and persons engaged on or about the Work, including subcontractors and their employees.

2. Locate sanitary facilities where approved by Owner, Inspector and/or authorities having jurisdiction and maintain in a clean and sanitary condition during the course of the Work. Keep such facilities adequately supplied with toilet paper, paper toweling, paper cups, and related supplies as required.

3. Use of toilet facilities in the Work under construction shall not be permitted except by consent of the Inspector and the Owner.

4. At completion of the Work, sanitary facilities shall be properly disinfected and all evidence of same removed from the site.

E. Telephone Service

1. Contractor shall arrange with local telephone service company for telephone service for the performance of the Work. Contractor shall, at a minimum, provide in its field office one line for telephone, computer and one line for fax machine.

2. Contractor shall pay the costs for telephone and fax lines installation, maintenance, service, and removal.

F. Fire Protection

1. Contractor shall provide and maintain fire extinguishers and other equipment for fire protection. Such equipment shall be designated for use for fire protection only and shall comply with all requirements of the California Fire, State Fire Marshall and/or its designee.

2. Where on-site welding and burning of steel is unavoidable, Contractor shall provide protection for adjacent surfaces and fire watches until 30 minutes past the conclusion of the event.
G. Trash Removal

1. Contractor shall provide and maintain sufficient debris boxes and shall segregate debris as required elsewhere in this document for recycling as not to become a public nuisance. Capacity of boxes and bins shall be sufficient as to accept all trash created until removed from site.

1.12 ENCLOSED STORAGE AND SHOPS

A. Provide all temporary storage and shop rooms that may be required at the site for safe and proper storage of tools, materials, and equipment. Construct such rooms only in locations indicated or as approved by the District Representative, and so as not to interfere with the proper installation and completion of other work.

B. Remove such rooms within three days of receipt of notices from the District that removal is necessary, and incur all expenses for such removal.

C. Storage of gasoline or similar fuels shall conform with NFPA regulations and local fire department regulations and shall be confined within definite boundaries apart from buildings as approved by the District Representative and jurisdictional fire marshall.

1.13 PROTECTIVE BARRICADES AND SAFETY PRECAUTIONS

A. Construct and maintain barricades, lights, shoring, warning signs, and flashing lights as required by Federal and State safety ordinances and as required to protect the District’s property from injury or loss and as necessary to protect the public and adjacent properties from harm and damage. Provide walks around obstructions made in a public place for prosecuting the Work. Leave all protection in place and maintain until removal is authorized.

B. Guard and protect all workers, pedestrians, vehicles, structures, fencing, landscaping and the public from excavations, construction equipment, obstructions, and other dangers with adequate railings, guard rails, k-rails, temporary walks, barricades, warning signs, directional signs, overhead protection, planking, decking, danger lights, and other suitable safeguards.

1.14 TEMPORARY FENCING

A. Furnish, construct, maintain, and later remove temporary fencing around the project site perimeter as indicated.

B. Except as otherwise specified herein, temporary fencing shall conform to the Standard Drawings and Specifications Standards for permanent fences.

C. Used materials may be employed for temporary fencing, provided such used materials are good, sound, and are suitable for the purpose intended.
D. Fencing materials may be commercial quality, provided the dimensions and sizes of said materials are equal to, or greater than, the dimensions and sizes indicated on the Standard Drawings or specified in the Contract Specifications. Additional fencing options include the following:

1. Posts may be either metal or wood.
2. Galvanizing and painting of steel items will not be required.
3. Treating wood with wood preservatives will not be required.
4. Concrete footings for metal posts will not be required, except where portable footings are required for temporary anchorage of posts.

E. Temporary fencing which is damaged from any cause during the progress of the Work shall be repaired or replaced by the Contractor at no additional cost to the District.

F. When no longer required for the Work, temporary fencing shall be removed. Removed fencing and related materials shall become the property of the Contractor and shall be removed from the site of the Work, except as otherwise provided herein.

G. Holes and other damages caused by the removal of temporary fences shall be properly filled to match adjacent surfaces.

1.15 SECURITY

A. Provide for security of the Work and the site until final inspection and acceptance of the Work. Storage areas shall be suitably fenced and lighted and routinely patrolled by security guards.

B. The District assumes no responsibility for protection of structures and finished work or for loss of materials and equipment from the time that Contract operations have commenced until final acceptance of the Work.

C. If watchman service is deemed necessary by the Contractor, such protection shall be provided by the Contractor, and all costs therefor shall be paid for by the Contractor.

D. Damaged, lost, or stolen materials and equipment, whether or not stored or already installed, shall be replaced by the Contractor with new specified materials and equipment, including reinstallation expenses where applicable, at no additional cost to the District.

1.17 PUBLICITY RELEASES
A. Contractor shall not release any information, story, photograph, plan, or drawing relating information about the Project to anyone, including press and other public communications medium, including, without limitation, on website(s).

1.18 REMOVAL OF TEMPORARY FACILITIES AND CONTROLS

A. Remove temporary utilities, equipment, facilities, and materials prior to final inspection.

B. Remove underground installations to a minimum depth of two feet.

PART 2 - PRODUCTS - NOT USED

PART 3 - EXECUTION - NOT USED

END OF SECTION
PART 1 - GENERAL

1.01 SUMMARY

A. Section describes requirements and procedures for:
   1. Project cleaning
   2. Testing of equipment and systems
   3. Substantial Completion
   4. Final Completion
   5. Close Out
   6. Warranties

1.02 SUBSTANTIAL COMPLETION

A. Removal of Temporary Construction Facilities and Project Cleaning.
   1. Prior to Substantial Completion inspection: remove temporary materials, equipment, services, and construction; clean all areas affected by the Work; clean and repair damage caused by installation or use of temporary facilities; restore permanent facilities used during construction to specified condition.

B. Equipment and Systems.
   1. Prior to Substantial Completion, Contractor shall start up, run for periods prescribed by Owner, operate, adjust and balance all manufactured equipment and Project systems, including but not limited to, mechanical, electrical, safety, fire, and controls.
   2. Demonstrate that such equipment and systems conform to contract standards and manufacturer’s guarantees. Where applicable, use testing protocols specified, and if the contract is silent, then consistent with manufacturer's recommendations and industry standards.

C. Procedure for Substantial Completion
   1. When Contractor considers Work or designated portion of the Work as Substantially Complete, submit written notice to Owner, with list of items remaining to be completed or corrected and explanation of why such items do not prevent Owner’s beneficial use and occupancy of the Work for its intended purposes. Within reasonable time, Owner will inspect to determine status of completion.
   2. Should Owner determine that Work is not Substantially Complete, Owner will promptly notify Contractor in writing, listing all defects and omissions. Contractor shall remedy deficiencies and send a second written notice of Substantial Completion. Owner will reinspect the Work. If deficiencies previously noted are not corrected on reinspection, then pay the cost of the reinspection.
   3. When Owner concurs that Work is Substantially Complete, Owner will issue a written notice or certificate of Substantial Completion, accompanied by Contractor’s list of items to be completed or corrected as verified by Owner.
   4. Manufactured units, equipment and systems that require startup must have been started up and before a notice or certificate of Substantial Completion will be issued.
   5. A punch list examination will be performed upon Substantial Completion. One follow-up review of punch list items for each discipline will be provided. If further Site visits are
required to review punch list items due to incompleteness of the Work by Contractor, Contractor will reimburse Owner for costs associated with these visits.

1.03 FINAL COMPLETION

A. Requirements

1. Final Completion occurs when Work meets requirements for Owner’s Final Acceptance.

B. Procedure

1. When Contractor considers Work is Finally Complete, submit written certification that:
   a. Contractor has inspected Work for compliance with Contract Documents, and all requirements for Final Acceptance have been met.
   b. Except for Contractor maintenance after Final Acceptance, Work has been completed in accordance with Contract Documents and deficiencies listed with Certificate of Substantial Completion have been corrected. Equipment and systems have been tested in the presence of Owner, and are operative.
   c. Project Record Documents are completed and turned over to Owner, and Work is complete and ready for final inspection.

2. In addition to submittals required by Contract Documents, provide submittals required by governing authorities and submit final statement of accounting giving total adjusted Contract Sum, previous payments, and sum remaining due.

3. Should Owner determine that Work is incomplete or Defective, Owner promptly will so notify Contractor, in writing, listing the incomplete or Defective items. Contractor shall promptly remedy the deficiencies and notify the Owner when it is ready for re-inspection.

C. Final Adjustments of Accounts:

1. Submit a final statement of accounting to Owner, showing all adjustments to the Contract Sum and complete and execute Document 00 6530 (Agreement and Release of Claims).

2. If so required, Owner shall prepare a final Change Order for submittal to Contractor, showing adjustments to the Contract Sum that were not previously made into a Contract Modification.

D. Warranties

1. Execute Contractor’s Submittals and assemble warranty documents, and Installation, Operation, and Maintenance Manuals, executed or supplied by Subcontractors, suppliers, and manufacturers. Provide table of contents and assemble in 8½ inches by 11 inches three-ring binder with durable plastic cover, appropriately separated and organized. Assemble in Specification Section order.

2. Submit material prior to final Application for Payment. For equipment put into use with Owner’s permission during construction, submit within 14 Days after first operation. For items of Work delayed materially beyond Date of Substantial Completion, provide updated Submittal within 14 Days after acceptance, listing date of acceptance as start of warranty period.

3. Warranty Forms: Submit drafts to Owner for approval prior to execution. Forms shall not detract from or confuse requirements or interpretations of Contract Documents. Warranty shall be countersigned by manufacturers. Where specified, warranty shall be countersigned by Subcontractors and installers.

4. Rejection of Warranties: Owner reserves right to reject unsolicited and coincidental product warranties that detract from or confuse requirements or interpretations of Contract Documents.

5. Term of Warranties: For materials, equipment, systems, and workmanship, warranty period shall be one year minimum from date of Final Completion of entire Work except where:
a. Detailed Specifications for certain materials, equipment or systems require longer warranty periods.
b. Materials, equipment or systems are put into beneficial use of Owner prior to Final Completion as agreed to in writing by Owner.

E. Warranty of Title:

1. No material, supplies, or equipment for Work under Contract shall be purchased subject to any chattel mortgage, security agreement, or under a conditional sale or other agreement by which an interest therein or any part thereof is retained by seller or supplier. Contractor warrants good title to all material, supplies, and equipment installed or incorporated in Work and agrees upon completion of all Work to deliver premises, together with improvements and appurtenances constructed or placed thereon by Contractor, to Owner free from any claim, liens, security interest, or charges, and further agrees that neither Contractor nor any person, firm, or corporation furnishing any materials or labor for any Work covered by Contract shall have right to lien upon premises or improvement or appurtenances thereon. Nothing contained in this paragraph, however, shall defeat or impair right of persons furnishing materials or labor under bond given by Contractor for their protection or any rights under law permitting persons to look to funds due Contractor in hands of Owner.

F. Turn-In. Contract Documents will not be closed out and final payment will not be made until all keys issued to Contractor during prosecution of Work and letters from property owners, pursuant to Contract Documents, are turned in to Owner.

G. Release of Claims. Contract Documents will not be closed out and final payment will not be due or made until Document 00 6530 (Agreement and Release of Claims) is completed and executed by Contractor and Owner.

H. Fire Inspection Coordination. Coordinate fire inspection and secure sufficient notice to Owner to permit convenient scheduling (if applicable).

I. Building Inspection Coordination. Coordinate with Owner a final inspection for the purpose of obtaining an occupancy certificate (if applicable).

J. Guaranty. Document 00 6536 must be completed and turned into the District Project Manager.

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION – NOT USED

END OF SECTION
ENVIRONMENTAL SUSTAINABILITY PROCUREMENT--CONSTRUCTION

It is the policy of the Peralta Community College District (Board Policy 2.40, Environmental Sustainability), to purchase products or services that help to minimize the adverse effects on human health and the environment, when compared to other products and services that serve the same purpose with comparable efficacy. The District recognizes that environmentally responsible purchasing will help create and sustain markets for environmentally sustainable products, and is committed to encouraging the procurement of products with high recycled content, FSC certified lumber, Energy Star rated equipment, low and no VOC paints, low-toxicity cleaning supplies and Green Seal approved chemicals, and will promote contracting with businesses in close proximity, to reduce our carbon footprint and to promote the District’s SLBE program.

For Operation and Construction services the District is committed to:

• **Utilizing LEED (Leadership in Energy and Environmental Design) or equivalent certification criteria as follows:**
  o All new building projects shall qualify for *at least* LEED NC Silver certification and shall strive for higher levels of certification, especially where overall long-term building operations, student learning, and worker productivity savings can be realized through doing so.
  o All renovation projects over 10,000 square feet shall meet basic “LEED Existing Building” certification standards.

• **Maximizing energy efficiency** throughout the District, in particular, heating, cooling, lighting, information technology, mechanical, and water systems. It is the goal of the District to reduce dramatically our energy consumption for existing buildings and for all new buildings to exceed the State of California Building Code Title 24 energy efficiency requirements *by no less than 35%*.

• **Reduction of water consumption** for all uses, including for irrigation and domestic purposes.

• **Waste source reduction** and the re-use of materials. The District encourages all contractors to re-use and recycle as much construction and demolition debris as possible, and only when it is not feasible to do so, dispose of it in a landfill. All contractors must adhere to the District’s Construction Debris Reporting Requirements.

• **Sustainable landscaping and grounds design**, construction and maintenance practices which promote integrated pest management and use of drought tolerant, fire safe, and native vegetation types.

All public work projects must adhere to the District Environmental Sustainability Policy 2.40. The formal policy is available for download at [www.peralta.edu](http://www.peralta.edu); click on the District Services Center tab and then Purchasing to view the environmentally sustainable purchasing policy.

**Signature**

I acknowledge and agree to adhere to the District’s Environmental Sustainability policy.

Contractor Name: ________________________  Title: _______________________________

Authorized Signature: ________________________________  Date:

Environmentally Sustainable Procurement Construction 01 8113 - 1
Laney College Reroofing Project
FY15 Roof Replacement Project at

PERALTA COMMUNITY COLLEGE DISTRICT
333 E 8th St. Oakland CA 94606

ROOF PROJECT SPECIFICATIONS
CHILD CARE BUILDING

April 2015

Project Engineer:
Bryan Schalesky, PE
SECTION 02 2400
Scope of Work Child Care Building

A. Remove existing roofing system, insulation, and flashings in accordance with section 02 41 19.13. Selective Building Demolition. Prior to installation of insulation, coordinate with District representative for inspection of the substrate.

B. Provide odor control measures at all air intakes as specified in section 07 51 00 Built-Up Bituminous Roofing.

C. Install crickets on the high sides of all curbs as specified in section 07 51 00 Built-Up Bituminous Roofing.

D. Attach specified coverboard to the deck as specified in section 07 51 00 Built-Up Bituminous Roofing.

E. Install one of the following:
   1. GAF: 4 ply built-up bituminous roofing membrane set in hot asphalt adhesive as specified. Install specified granule surfaced cap sheet.
   2. Firestone: Two-ply APP torch applied modified bitumen system with granular surfaced cap sheet.
   3. Or approved equal.

F. Install walk pads around serviceable equipment. Include 150 linear feet of walk pads in the base bid for this project.

G. Replace gutters and downspouts as specified in section 071500 Sheet Metal Waterproofing.

H. Perimeter and projection flashings:
   1. Provide all flashing and penetration details in accordance with the detail drawings and manufacturer guidelines as specified in section 07 54 00 Thermoplastic Membrane Roofing.
   2. Drawings included with these specifications are not meant to accurately depict substrate conditions. They are meant to provide NRCA guidelines for basic flashing installation according to the system specified.
   3. If a manufacturer standard and required detail differs from that shown on the project detail drawings included in these specifications, contractor shall submit manufacturer approved drawing to the Owner and Engineer for approval. If the manufacturer requirements for a flashing detail is less stringent than those shown in the project drawings, the more stringent flashing detail shall govern with the approval of the manufacturer providing the warranty for this project.

I. Provide all work as specified in the following sections. Review scope of work under each of these sections:
1. 024119.13 Selective Building Demolition
2. 028300 Lead Remediation
3. 055133.13 Vertical Metal Ladders
4. 061000 Rough Carpentry
5. 071500 Sheet Metal Waterproofing
6. 075100 Built-Up Bituminous Roofing
7. 099113 Exterior Painting

J. Provide owner with a five (5) year contractor guarantee as specified in section 07 54 00 Thermoplastic Membrane Roofing.

K. Provide owner with a twenty (20) year no-dollar-limit manufacturer warranty covering labor, materials, and metal flashings as specified in section 07 54 00 Thermoplastic Membrane Roofing.

L. Provide any other warranty or guarantee as required by the specification sections listed above.

END OF SECTION
SECTION 024119.13
SELECTIVE BUILDING DEMOLITION
(Roof Demolition)

PART I – GENERAL

1.01 SCOPe OF WORK:
   A. Remove and dispose of existing built-up roofing system and all associated base flashings and metal projection and perimeter flashings.
   B. Comply with District recommendations for setup of debris removal boxes, chutes and dumpsters.
   C. Protect adjacent surfaces from damage during removal.
   D. Where specified, remove and dispose of existing rooftop equipment not in use. Check with District to verify what equipment is to be removed.
   E. All hazardous waste shall be removed in accordance with all Local, State, Federal, and District requirements. Hazardous waste removal is not part of this section.
   F. Prior to installation of insulation, coordinate with District representative for inspection of the substrate.
   G. Sheet metal that is removed from the project shall be recycled.
   H. Loose gravel removed from the roof shall be recycled.
   I. Report the amount of debris removed to the District. Report the amount of material recycled to the District.

1.02 REGULATIONS
   A. Comply with all requirements as set forth in the 2013 California Building Code.
   B. Comply with section 5.408 of the California Building Code as it pertains to construction waste reduction, disposal and recycling.

1.03 GENERAL:
   A. During all phases of work, contractor shall comply with all applicable sections of the State of California Code of Regulation (CCR), Industrial Safety Orders (Title 8), as well as Federal and State of California Occupational Safety and Health Administration (OSHA) regulations, including the Hazardous Waste Operations and
Emergency Response Regulation (Title 8, Section 5192 and 29 CFR 1910.120).

B. All project staging shall have the approval of the District’s Representative.

PART 2 – PRODUCTS
NONE

PART 3 – EXECUTION

3.01 EXAMINATION:

A. Survey existing conditions to determine extent of demolition required.

B. Arrange operations to reveal concealed structural conditions for examination and verification before removal or demolition.

C. Verify actual conditions to determine whether removal or demolition will result in structural deficiency, overloading, failure or unplanned collapse.

D. Items to remain shall be protected against damage during the demolition operations.

E. Demolish and remove existing construction only to the extent required by the new construction and as indicated.

F. Perform selective demolition using methods which are least likely to damage work to remain and which provide proper surfaces for patching.

G. Promptly remove all debris to avoid excessive loads on supporting walls, floors, and framing.

H. Remove debris from District property on a daily basis to a legal disposal site.

3.02 UNIDENTIFIED MATERIALS:

A. If the contractor in the course of normal inspections identifies any unidentified items, including materials that may contain asbestos or any other potentially hazardous substances that will (or may) require additional demolition and removal other than as required by this contract, the contractor shall immediately report to the project engineer.

B. The District will arrange for necessary testing and analysis of unidentified materials and will provide instructions to the contractor.
regarding the removal, handling, storage, transport and disposal of the materials.

3.03 DUST CONTROL:
A. Accomplish demolition and removal with the minimum accumulation of dust and debris.
B. Contractor may use water to help mitigate dust. However, do not use too much water as to cause leakage into the building.
C. Work shall proceed in such a manner as to minimize the spread of dust and flying debris.

3.04 PROTECTION:
A. Provide for the protection of persons passing around and through the area of demolition.
B. Provide protective measures to ensure free and safe passage of persons to and from occupied areas.
C. Execute demolition work in a manner that will ensure the safety of adjacent property and persons occupying such property against any damages or injuries which might occur from falling debris, unprotected excavations, holes, voids, etc. Airborne residue or other causes; and so as not to interfere with the use of adjacent public and private property of the free and safe passage to and from the same.
D. Take all necessary precautions to prevent damage to any existing construction scheduled to remain, whether located on the site or on adjacent property.
E. Protect existing walls, floors and other new or existing work including finishes from damage during the demolition process.
F. Any item damaged or disturbed which was required to remain in place shall be replaced, repaired, or reset to the satisfaction of the District’s Representative at no cost to the District.
G. Protect landscaping and trees from damage. If damaged, return to pre-construction condition.
H. Contractor shall monitor weather predictions and cease work when rain or heavy fog is forecast.

3.05 DISPOSAL:
A. Disposal facilities shall be in compliance with all federal and state regulations. Applicable regional and local laws, rules and regulations
shall be those of the government or quasi-governmental agencies, or other entities having jurisdiction at the disposal facility.

B. Disposal of any material as non-hazardous waste shall not relieve the contractor from complying with the requirements of the contract documents and the requirements of all federal, state, regional and local laws, rules, and regulations regarding the removal and transport of materials as specified.

3.06 CLEANUP:

A. Inspect existing surfaces or structures adjacent to demolition and removal operations, including surfaces or structures on adjacent public or private property for damage and stains. Repair or clean existing surfaces or structures not indicated to be removed including surfaces or structures on adjacent public or private property prior to the completion of the work at no additional cost.

B. Keep the project site clear of all debris resulting from demolition and removals operations and remove all debris from the site on a daily basis during the progress of the work. The cost of removal, hauling, and dumping shall be borne by the contractor.

3.07 UTILITY SERVICES:

A. Maintain existing utilities, keep in service and protect against damage during demolition operations.

B. Do not interrupt existing utilities servicing occupied or used facilities, except when authorized in writing by District’s Representative. Provide temporary services during interruptions to existing utilities as acceptable to District.

END OF SECTION
SECTION 02 83 00
LEAD REMEDIATION

PART 1 GENERAL

1.1 SECTION CONTENTS

A. This section specifies the methods, procedures, and requirements related to
the removal and disposal of lead-containing paint and materials including, but
not limited to:

1. Regulatory requirements
2. Submittals
3. Personal protective measures
4. Execution
5. Inspections
6. Waste handling and disposal

1.2 SCOPE OF WORK

A. This section applies to the Laney College Forum and Child Care Roof
Replacement Project in which lead-containing materials may be disturbed.
Skyline Engineering conducted limited paint chip sampling from various
painted building components at the site location. A total of three paint chip
samples were collected with one of the paint chip samples being identified as
having a detectable concentration of lead. If additional materials are to be
disturbed or if suspect lead-containing materials that were not tested will be
disturbed, the Contractor will be responsible for treating those materials as
lead-containing unless testing by the Contractor proves otherwise. The
Contractor will be responsible for complying with this section in the handling
and disposal of this lead containing paint. The building components that
were found to be lead-containing are listed below:

1. Forum Roof: Southeast corner - metal exhaust duct – black coating.
2. Forum and Child Care Roofs: Solid lead details – including but not
limited to - pipe shrouds and site shield base flashings.

B. In accordance with all drawings, specifications and instructions, the Contractor shall furnish all labor, transportation, materials, supervision, equipment, insurance, taxes, overhead and all other items of expense, or services necessary for the removal and disposal, or encapsulating, of designated building components, or any other building components coated with lead-containing paint necessary for completing the reroofing project at the Laney College. These components will be either removed and disposed, or encapsulated as directed in this contract document or on the contract drawings.

C. Briefly, and without force and effect upon the contract documents, the work of the Contract can be summarized as follows:

1. The removal and disposal or prepping of the metal exhaust ducting found on the Forum roof.

2. The removal and disposal of ALL solid lead flashing details on both the Forum roof and the Child Care roof.

1.3 POTENTIAL LEAD HAZARD

A. The disturbance of building materials coated with lead containing paint may cause lead contaminated dust to be released into the environment, thereby creating a potential health hazard to workers and occupants. Ingestion or inhalation of lead contaminated dust can cause various health concerns, including but not limited to nausea, anemia, vomiting, kidney disease, nervous system disorders, and reproductive problems. All contractors, subcontractors, consultants, and other occupants in the vicinity of a potential lead hazard should be apprised, by the responsible parties and applicable warning signs per OSHA requirements cited herein.

B. Significant lead exposure may result from activities such as demolition of components, scraping, sanding, or grinding lead-based paint, abrasive blasting of surface coatings, welding, torch cutting, or related procedures. Where in performance of the work specified herein, a lead exposure is potential, strict adherence to the measures and procedures of these specifications shall be mandatory.
1.4 REGULATIONS

A. The Contractor shall comply with the requirements of the following regulations and guidelines governing lead removal and disposal, as well as other applicable federal, state, and local government regulations. The regulations and/or guidelines listed herein are incorporated by reference.

Code of Federal Regulations (CFR)
29 CFR 1910.1025
29 CFR 1926, Construction Standards
29 CFR 1926.62, Lead in Construction Standard
40 CFR Part 50.12, Ambient Air Quality Standard for Lead
40 CFR Parts 261, 265, and 268, Hazardous Waste Management
49 CFR Parts 172, 173, 178, 179, Hazardous Material Transportation

California Code of Regulations (CCR)
8 CCR Division 1, Chapter 4, Subchapter 4, Construction Safety Orders
8 CCR 1532.1, Lead in Construction Standard
8 CCR 5144, Respiratory Protection
22 CCR Divisions 4 and 4.5, Hazardous Waste

1.5 DEFINITIONS

A. General: Definitions contained in this Section are not necessarily complete, but are general to the extent that they are not defined more explicitly elsewhere in the Contract Documents.

1. Abatement: means the removal or covering of paint, plaster or other material containing lead-based paint from interior or exterior surfaces.

2. Action Level: An airborne concentration of 30 micrograms per cubic meter (30µg/m³) of air as an eight (8) hour time weighted average (TWA) as covered by OSHA regulations 29 CFR 1926.62 and Cal/OSHA Title 8, Section 1532.1.

3. Air Monitoring: The process of measuring the lead levels of a specific volume of air.

4. Authorized Visitor: The Owner, testing lab personnel, or a representative of any federal, state and local regulatory or other agency having authority over the project.

5. Breathing Zone: A hemisphere forward of the shoulders with a radius
of approximately 6 inches to 9 inches.

6. Certified Industrial Hygienist (C.I.H.): A person certified by the American Board of Industrial Hygiene and qualified by training and/or experience to specify measures for the recognition, evaluation, and control of occupational health hazards.

7. Construction Barrier: Demarcation of the work area limiting access by unauthorized personnel.

8. Disposal Bag: A 6mil thick leak-tight plastic bag used for transporting lead waste from work area to disposal site.

9. Elevated Blood Lead Level: Means a blood lead concentration equal to or greater than twenty-five (25) micrograms per deciliter (ug/dl).

10. Encapsulation: Involves resurfacing or covering surfaces, and sealing or caulking with durable materials, so as to prevent or control chalking, flaking lead-containing substances from entering the environment.

11. Enclosure: The construction of an airtight, impermeable, permanent barrier around lead-containing material to control the release of lead dust into the air.

12. Filter: A media component used in respirators to remove solid or liquid particles from the inspired air.

13. Final Inspection: Inspection by a qualified inspector, industrial hygienist, or local public health official to determine whether removal and cleanup are complete.

14. Hazardous Waste: As defined in Resource Conservation Recovery Act (RCRA) the term "hazardous waste" means a solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible, illness; or pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed. In addition, Hazardous Waste also refers to waste as described by the California Department of Toxics and Substance Control (Title 22).
15. HEPA Filter: A High Efficiency Particulate Air filter capable of trapping and retaining 99.97% of particles greater than 0.3 microns in diameter.

16. HEPA Filter Vacuum Collection Equipment (or vacuum cleaner): High Efficiency Particulate Air (absolute) filtered vacuum collection equipment with a filter system capable of collecting and retaining 99.97% of particles of 0.3 microns in diameter or larger.

17. High Phosphate Detergent: Detergent which contains at least 5% tri-sodium phosphate (TSP).

18. Lead-Based Paint: Surface coatings containing greater than the Consumer Product Safety Commission maximum concentration of 600 ppm (0.06% by weight).

19. Lead-Containing Paint: Surface coatings containing detectable levels of lead as regulated under the Cal/OSHA Lead in Construction Standard, 8 CCR 1532.1.

20. Lead Permissible Exposure Limit (PEL): The employer shall ensure that no employee is exposed to an airborne concentration of lead in excess of 50 micrograms per cubic meter (50ug/m$^3$) of air as an eight (8) hour time weighted average (TWA) as covered by OSHA regulations 29 CFR 1926.62 and Cal/OSHA Title 8, Section 1532.1.

21. Negative Pressure: Air pressure lower than surrounding areas, generally caused by exhausting air from a sealed space (work area).

22. Negative Pressure Respirator: A respirator in which the air pressure inside the respiratory-inlet covering is positive during exhalation in relation to the air pressure of the outside atmosphere and negative during inhalation in relation to the air pressure of the outside atmosphere. Negative pressure respirators include all powered-air purifying respirators (PAPRs).

23. Negative Pressure Ventilation System: A local exhaust system utilizing HEPA filtration capable of maintaining a negative pressure inside the work area and a constant air flow from adjacent areas into the work area and exhausting that air outside the work area.

24. Owner Representative or Environmental Consultant: The
Environmental Consultant is Skyline Engineering, Inc. The Environmental Consultant will represent the Owner on issues relating to the project design and the scope of work as defined by this specification.

25. Personal Monitoring:  Sampling of lead concentrations within the breathing zone of an employee.

26. Replacement:  Means removing components that have lead-painted surfaces, or are considered lead-contaminated and installing new components free of lead-containing paint.

27. Respirator:  A device designed to protect the wearer from the inhalation of harmful atmospheres.


29. Testing Laboratories:  A "testing laboratory" is an independent entity engaged to perform specific inspections or tests, either at the project site or elsewhere, and to report on, and, if required, to interpret, results of those inspections or tests.

30. Time Weighted Average (TWA):  The average concentration of a contaminant in air during a specific time period.

31. Visible Emissions:  Any emissions containing particulate lead material that are visually detectable without the aid of instruments.  This does not include condensed uncombined water vapor.

32. Wet Cleaning:  The process of eliminating lead contamination from building surfaces and objects by using cloth, mops, or other cleaning utensils which have been dampened with high phosphate detergent and afterwards thoroughly decontaminated or disposed of as lead contaminated waste.

33. Work Area:  The area where lead related work or removal operations are performed which is defined and/or isolated to prevent the spread of lead dust, or debris, and entry by unauthorized personnel.
1.6 SUBMITTALS AND NOTICES

A. **Training:** Submit three (3) days prior to commencing work two (2) copies of the training documentation for each supervisor and worker who will be on-site for this project. This training shall be in accordance with 8 CCR 1532.1 (CAL/OSHA Lead in Construction Standard).

B. **Medical Monitoring:** Submit Five (5) days prior to commencing work two (2) copies of the medical documentation for each supervisor and worker who will be on-site for this project. Contractor shall submit documentation that all employees engaged in removal activities have had the appropriate medical examinations within the prescribed time periods immediately preceding project start-up. Documentation shall include, but is not limited to, baseline blood lead levels performed in accordance with 8 CCR 1532.1 (CAL/OSHA Lead in Construction Standard).

C. **Respiratory Protection:** Submit three (3) days before starting work copy of Respiratory Protection Program which is in compliance with ANSI Z88.2-1980, OSHA 29 CFR 1910 and 1926, Cal/OSHA Title 8 Section 1532.1. Contractor shall submit statement from examining physician that each employee is fit to wear a respirator in accordance with 8 CCR 5144 within the last twelve months. Contractor shall also provide documentation showing that all employees have passed respiratory fit tests within the past twelve months. Contractor shall use only workers medically qualified and trained for lead work and respirator usage.

D. **OSHA Lead Compliance Plan:** Submit a detailed plan of the procedures proposed in order to comply with the requirements of 29 CFR 1926.62 and Cal/OSHA Title 8 Section 1532.1. Include in the plan all components required under the standard.

E. **OSHA Lead-Work Pre-Job Notification:** The contractor shall provide written notification to the nearest Cal/OSHA Division District Office one day before the start of the project. Provide a copy of this notification to the Environmental Consultant.

F. **San Francisco Bay Area Lead-Work Pre-Job Notification:** The contractor shall provide written notification to the BAAQMD Bay Area Air Quality Management District prior to the start of the project. Provide a copy of this notification to the Environmental Consultant.

G. **Hazard Communication Program:** Submit three (3) days before starting work a copy of the Hazard Communication Program which is in compliance with 29
Hazardous Waste Management Plan: Submit three (3) days before starting work copy of Hazardous Waste Management plan which is in compliance with federal, state, and local hazardous waste regulations and addresses:

1. Identification of hazardous wastes associated with the work.

2. Estimated quantities of wastes to be generated and disposed of.

3. Names and qualifications of each contractor that will be transporting, storing, treating, and disposing of the wastes. Include the facility location and a 24-hour point of contact. Furnish two (2) copies of EPA, state, and local permit applications, permits, and EPA Identification numbers.

4. Names and qualifications (experience and training) of personnel who will be working on-site with hazardous wastes.

5. List of waste handling equipment to be used in performing the work, to include cleaning, volume reduction, and transport equipment.

6. Spill prevention, containment, and cleanup contingency measures to be implemented.

7. The Contractor shall submit name, address, and telephone number of landfill or landfills and transporter to the Owner for approval, prior to disposal. This includes those landfills used for waste categories determined to be non-hazardous.

Waste Disposal Records:

1. A written record of receipts with certified weight for disposal of materials containing lead and lead based paint contaminated items shall be furnished to the Owner within forty eight (48) hours after disposal has taken place.

2. Provide a schedule showing date, amount, type of material and location disposed of within five (5) working days of disposal.

ENVIRONMENTAL CONSULTANT

A. The Owner has authorized Skyline Engineering to be the Environmental
Consultant for the project. Skyline will advise the Owner on all matters relating to the work performed involving the lead removal in accordance with these specifications. Skyline will provide the following site visits and monitoring services including, but not limited to:

1. Visual observations to verify Contractor's compliance with the specifications, as well as applicable regulations, regarding hazard control measures, and related decontamination procedures. The Environmental Consultant will have complete access to all lead work areas during the project in order to perform these site visits.

2. Visual inspections for lead contamination to determine whether Contractor has successfully completed clean up and met the project decontamination criteria. The Environmental Consultant will be notified by the Contractor one day prior to the need for final inspection.

3. Interpretation of technical sections of the contract documents, and coordination with the Owner and Contractor for enforcement of regulatory and contractual conformance, including stop work issues.

4. Stop work orders will be made jointly by the Environmental Consultant and the Owner under the following instances including but not limited to:
   a. Nonconformance with these specifications.
   b. A health hazard or safety risk exists to the workers, Owner’s employees, Environmental Consultant, or the public.

B. The cost of the Environmental Consultant will generally be the responsibility of the Owner except under special circumstances. The Contractor shall be responsible for the cost of the Environmental Consultant for services performed when: a) The Contractor's Work Area fails final clearance inspection; or b) additional workdays or workday hours (overtime) are required by the Contractor; or c) The Contractor exceeds the allowable time frame for completion; or d) additional services associated with response to an uncontrolled, unauthorized release to the environment as a result of the Contractor’s performance of the work.

1.8 CONTRACTOR QUALIFICATIONS

A. General Superintendent: Provide a General Superintendent whenever
Contractor's personnel are on site who is experienced in administration and supervision of lead removal projects including work practices, protective measures for building and personnel, disposal procedures, etc. This person is the Contractor's representative responsible for compliance with all applicable federal, state and local regulations, particularly those relating to lead-containing materials.

Experience and Training: The General Superintendent and all workers must have completed lead training in accordance with 8 CCR 1532.1 and have had on-the-job training in lead removal procedures. Submit documentation for each worker per section 1.6.

B. Contractor shall use only workers medically qualified and trained for lead work and respirator usage.

1. The minimum acceptable training course duration is basic lead awareness training in accordance with 8 CCR 1532.1. Should the initial exposure assessment determine lead exposures exceeding the Action Level limit of 30ug/m³, the lead training must consist of eight (8) hours for each worker. Should the initial exposure assessment determine lead exposures exceeding the permissible exposure limit of 50ug/m³, the lead training must consist of thirty-two (32) hours for each worker, as specified by the CDPH. All training shall comply with 8 CCR 1532.1 (Cal/OSHA Lead in Construction Standard).

2. Contractor shall submit documentation that all employees engaged in removal activities have had the appropriate medical examinations within the prescribed time periods immediately preceding project start-up. Documentation shall include, but is not limited to, baseline blood lead levels performed in accordance with 8 CCR 1532.1 (Cal/OSHA Lead in Construction Standard).

3. Contractor shall submit statement from examining physician that each employee is fit to wear a respirator in accordance with 8 CCR 5144 within the last twelve months.

4. Documentation that all employees have passed respiratory fit tests within the past six months.

5. The Contractor will provide a copy of their lead compliance program specific for this project, as specified in 8 CCR 1532.1 and indicated in Section 1.5 -- Submittals, above.
PART 2 PRODUCTS

2.1 PROTECTIVE COVERING

A. Polyethylene sheets, of 6 mil thickness, in dimensions of adequate width to minimize frequency of joints. Polyethylene sheeting shall be flame retardant.

2.2 TAPE

A. Duct tape, two inches or wider, capable of sealing joints of adjacent sheets of plastic sheeting or for attachment of plastic sheeting to finished or unfinished surfaces.

2.3 DISPOSAL CONTAINERS

A. Provide non-opaque 6-mil thick polyethylene sheeting, non-opaque 6 mil leak-tight polyethylene bags and other impervious containers as required by applicable regulations. All waste shall be labeled as potentially hazardous waste unless proven otherwise by appropriate sampling and laboratory analysis.

B. All hazardous waste shipping containers shall meet applicable DOT requirements.

C. Spray adhesive used to seal the polyethylene bags shall not contain methylene chloride compounds.

2.4 WARNING SIGNS AND LABELS

A. Caution signs, in accordance with 8 CCR 1532.2, are to be a minimum of 14 x 20 inches and include phrase "CAUTION - LEAD HAZARD - KEEP OUT UNLESS AUTHORIZED" in lettering at least 2" in height. These signs shall be posted at each approach to the work area.

B. Cal/OSHA Lead Warning Posters: "WARNING -- LEAD WORK AREA-- NO SMOKING OR EATING" shall be posted at the entrance to each work area.

C. Hazardous waste labels in accordance with federal, state and local regulations, including, but not limited to the California Code of Regulations, Title 22 Chapter 30 and the U.S. Department of Transportation 49 CFR Parts 172, 173, 178 and 179.
2.5 PERSONAL PROTECTIVE EQUIPMENT

A. Workers shall wear full body disposable suits with hoods and separate booties, tape around ankles, wrists, under arms and neck. Suits will be worn inside the work area after the area passes pre-removal inspection and shall remain in use until the area passes final clearance inspection.

B. Goggles with side shields will be worn when working with a material that may splash or fragment, or if protective eye wear is specified on the Material Safety Data Sheets (MSDS) for that product.

C. Additional respiratory protection by supplemental filters, such as organic vapor cartridges, may be needed when handling some coating products. Consult the MSDS and obtain the proper filters as necessary. The following guideline indicates types of respirators appropriate for adequate protection against varying lead exposures:
## RESPIRATORY PROTECTION FACTORS ASSOCIATED WITH LEAD EXPOSURE OPERATIONS

<table>
<thead>
<tr>
<th>Respirator Type</th>
<th>Protection Factor</th>
<th>Airborne Concentration of Lead</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air purifying, negative pressure respirator, half-face, HEPA filter</td>
<td>10</td>
<td>Not in excess of 500 ug/m³</td>
</tr>
<tr>
<td>Air purifying, negative pressure respirator, full-face, HEPA filter</td>
<td>50</td>
<td>Not in excess of 2,500 ug/m³</td>
</tr>
<tr>
<td>Powered-air purifying Positive pressure respirator full or half-face, HEPA</td>
<td>50</td>
<td>Not in excess of 2,500 ug/m³</td>
</tr>
<tr>
<td>Type C supplied air Continuous flow mode half-face</td>
<td>1000</td>
<td>Not in excess of 50,000 ug/m³</td>
</tr>
<tr>
<td>Type C supplied air Pressure demand mode full facepiece</td>
<td>2000</td>
<td>Not in excess of 100,000 ug/m³</td>
</tr>
<tr>
<td>Type C supplied air Positive pressure respirator Pressure demand mode full facepiece, equipped with auxiliary positive pressure self contained breathing apparatus (SCBA)</td>
<td>over 2000</td>
<td>Greater than 100,000 ug/m³</td>
</tr>
<tr>
<td>Self contained breathing Apparatus (SCBA) positive Pressure demand mode full facepiece</td>
<td>over 2000</td>
<td>Greater than 100,000 ug/m³</td>
</tr>
</tbody>
</table>

D. In addition, all Cal/OSHA requirements, such as hard hats, hearing protection, etc. are required.
2.6 TOOLS AND EQUIPMENT

A. Provide suitable tools for the decontamination and removal of lead containing paint including required HEPA vacuums and exhaust units, airless sprayers, ground fault interrupters, hand tools, wipes, ladders, and scaffolds. Mechanical abrasion tools shall be equipped with local HEPA exhaust and subject to approval by the Environmental Consultant. All tools and equipment brought on site shall be clean and free of contamination from lead and other hazardous materials. HEPA filtered equipment shall be labeled with a warning label and dedicated to lead based paintwork to prevent combining hazardous wastes of differing characteristics.

B. Provide adequate support equipment, including, but not limited to lumber, hardware, hand washing facilities, sprayers, hoses, miscellaneous collection devices, and secured holding facilities.

PART 3 EXECUTION

3.1 GENERAL

A. The purpose of the Lead in Construction Standard is to provide a level of protection to workers exposed to lead in construction equivalent to that afforded other lead workers under OSHA’s general industry standard 29 CFR 1910.1025. The interim final lead standard for the construction industry applies to all occupational exposure to lead in all construction work in which lead, in any amount, is present in an occupationally related context. Some of the components subject to repair or renovation have been determined to be coated with paint containing some amount of lead – some components are solid lead. As a result, these coated components repair or renovation – and the removal of the solid lead components - will be performed in accordance with the following work practices.

3.2 WORKER SAFETY/DECONTAMINATION PROCEDURES

A. The contractor shall employ only workers medically qualified and trained for lead work and respirator usage.

1. Medically qualified shall mean that the worker has had an occupational medical exam for lead exposure and respirator use within the last 12 months, in accordance with 29 CFR 1926.62, and shall have had a blood lead test within the last 6 months.

2. Each lead worker shall have completed documented training in lead
3. Hazards and lead removal, in accordance with 1532.1.

   3. The Contractor shall assure that no worker is permitted to perform lead removal work until the Environmental Consultant has received and approved all of that worker's medical, training, and respirator fit test certifications.

B. The Contractor shall perform an initial exposure assessment in accordance with 8 CCR 1532.1. This includes, but is not limited to, collecting personal air samples to determine the employee's actual exposure to lead dust during construction activities. Personal samples will be collected by the contractor pursuant to OSHA regulations. Each task performed will be monitored at a flow rate of 1-4 liters per minute on MCE 37mm 0.8 um pore size cassettes. A minimum of one lab blank will be submitted with each set of samples.

C. Each worker, upon entering the job location, shall proceed to the designated clean room/area and don, at a minimum, a half-mask, negative pressure respirator equipped with HEPA filters, and disposable, full-body, tyvek suit, before entering the Work Area. The above PPE must be worn during all phases of the component removal process. Personal protective equipment (PPE) must be worn for the duration of this project, or until the initial exposure assessment indicates that exposure to lead dust during these activities will not exceed the action level (30µg/m³).

D. Prior to component removal, Contractor shall post lead warning signs at all entrances to the work area. These lead warning signs will be in compliance with the Cal/OSHA Lead in Construction Standard (8 CCR 1532.1).

E. All disposable clothing worn in each work shift shall be removed prior to exiting the Work Area and shall be properly segregated and placed in containers for non-hazardous disposal.

F. All tools and equipment shall be decontaminated by HEPA vacuuming and/or wet wiping prior to being taken out of the Work Area.

G. Workers shall not eat, drink, smoke, or chew gum or tobacco at the work site.

H. Each worker shall have a final medical blood lead laboratory test within one week of job completion and before engaging in other lead related work.

3.3 GENERAL REMOVAL PROCEDURES
A. **Any LCM disturbed by this reroofing project:** The procedure for accomplishing this is outlined below:

1. Do not begin work under excessively windy conditions. If the paint chips/dust that will be created by this procedure may become airborne, do not begin work.
2. Post warning signs as stated in Section 3.02. In addition, cordon off Work Area a minimum of 20 feet from the area of removal.
3. Ventilation, heating or air conditioning air intake sources must be disabled and covered prior to material disruption.
4. The wrapping and bagging of the hazardous material must be done at roof level if located on the roof. The secured material must then be lowered by hand down to ground level – not dropped or thrown.
5. Place one (1) layer of 6-mil polyethylene sheeting on the ground and surrounding areas of the LCM, directly around the structure to be prepped or removed. The sheeting shall extend a minimum of 15 feet from the edge of the building out (10 feet on the roof) in order to prevent any contamination of the ground or surrounding area.
6. Don appropriate PPE as stated in Section 3.2.
7. If necessary, if dust or paint chips may be generated by the specific job, constantly mist the material with amended water so as to minimize the dust levels. Have a HEPA vacuum readily accessible to clean up loose debris.
8. Carefully wrap removed debris in poly sheeting and seal with tape. All other removed parts place and seal in 6mil waste bags. Store this material in a secure area until waste characterization is performed.
9. If paint chips/dust, etc. have been created, clean area using HEPA vacuum and place poly sheeting in 6mil waste bags for waste characterization.

3.4 **INSPECTION PROCEDURE/WORK AREA CLEARANCE**

A. A visual inspection will be performed following the lead removal in order to determine the presence of any remaining lead containing debris.

B. If the Work Area is not visibly clean or if the Environmental Consultant deems the Work Area not clean, the Contractor will re-clean using HEPA vacuums and TSP solution.

C. The contractor shall be released only after all areas have been cleared according to the above criteria and accepted by the Owner.

3.5 **WASTE STORAGE AND CHARACTERIZATION**
A. The Contractor shall provide for secure on-site storage of lead containing paint related waste. Waste storage location, equipment, containers and methods shall be in compliance with the requirements of 40 CFR 262 and 265 and California Code of Regulations Title 22, and are subject to prior approval by the Owner and/or the Environmental Consultant.

B. Construction materials removed from each Work Area must be evaluated to determine waste characteristics prior to disposal.

C. Removed intact lead coated components shall be properly segregated, wrapped in 6-mil polyethylene sheeting, labeled and securely sealed with duct tape.

D. Each lead containing paint related waste (chips, dust, etc.) produced shall be placed in properly segregated, labeled and sealed containers.

E. All waste containers and packaged waste shall be stored in a designated, secure waste storage area and labeled "PENDING ANALYSIS" with the following information:

1. Waste Category (Chip/Dust and Removed Components)
2. Date Accumulated
3. Name and Address of associated Building
4. Origin of Waste

F. All waste shall be considered hazardous until waste characterization has been performed under the California Code of Regulations, Title 22, including using one or more of the following testing procedures:

1. Total Threshold Limit Concentration (TTLC)
2. Waste Extraction Test (WET)
3. Toxicity Characteristic Leaching Procedure (TCLP)

G. All waste shall remain stored in secured waste storage areas until results of waste characterization are available. Due to analytical methods of these tests, this may require storage for up to seven working days. Based on the testing protocols, any waste containing greater than or equal to 5ppm lead using WET or TCLP tests or any waste containing greater than or equal to 1000ppm using the TTLC test shall be considered a hazardous waste.

H. A minimum of four (4) representative samples will be collected from each category of waste generated.
I. The Contractor is responsible for conducting and all costs associated with waste characterization testing.

3.6 WASTE DISPOSAL

A. The Contractor is responsible for all costs associated with transportation and disposal of all waste, hazardous and non-hazardous. Contractor will submit a base bid which will include disposal of all waste as non-hazardous and an alternate bid for the disposal of any waste determined to be hazardous.

B. The Contractor shall submit name, address, and telephone number of landfill or landfills and transporter to the Owner for approval prior to disposal. This includes those landfills used for waste categories determined to be non-hazardous.

C. The Contractor shall arrange for all hazardous waste to be transported from the site in accordance with the requirements of 40 CFR 263 and 264, and disposed of properly in accordance with 40 CFR 268, 49 CFR Parts 172, 173, 178, and 179 and California Code of Regulations Title 22.

D. The Contractor shall prepare hazardous waste shipping manifests for review by the Owner. The manifests shall be signed by the Owner and copies retained by the Owner.

E. Copies of the landfill weight tickets shall be provided to the Owner immediately upon receipt in order to verify the amount of waste disposed of at the site.

3.7 STOP WORK ORDERS

A. The Owner and/or the Environmental Consultant has the authority to stop work if it is determined that conditions or procedures are not in compliance with the Work Plan and/or applicable regulations; the Contractor is deficient in providing required submittals; the waste is not securely stored; or a potential release of lead dust to outside the Work Area is imminent based on the Owner's and/or the Environmental Consultant's judgment.

B. The work stoppage shall remain in effect until conditions have been corrected and corrective measures have been taken to the satisfaction of the Owner's and/or the Environmental Consultant.

-END OF SECTION-
PART 1 GENERAL

1.01 SCOPE OF WORK UNDER THIS SECTION

A. Installation of aluminum access ladder at designated location.

1.02 REFERENCES

A. AA – Aluminum Association.
D. OSHA 1910.27 – Fixed Ladders.

1.03 SUBMITTALS

A. Submittal requirements: Contractor shall highlight anything in the submittal package that conflicts with or changes specifications or drawings. Include a reason for the change. Any submittals that alter existing specifications or drawings shall be approved by the engineer and owner prior to implementation.
B. Product Data: Manufacturer's data sheets on each product.
C. Shop Drawings:
   1. Detail fabrication and erection of each ladder indicated. Include plans, elevations, sections, and details of metal fabrications and their connections.
   2. Provide templates for anchors and bolts specified for installation under other Sections.
   3. Provide reaction loads for each hanger and bracket.
D. Qualification Data:
   1. Refer to Quality Assurance provisions for submittal requirements evidencing experience, certifications and resources.
E. Selection Samples: For each finish specified, two complete sets of color chips representing manufacturer's full range of available colors.
F. Verification Samples: For each finish specified, two samples, minimum size 6 inches (150 mm) square, represent actual product color.
1.05 QUALITY ASSURANCE
A. Manufacturer Qualifications: A firm experienced in producing aluminum metal ladders similar to those indicated for this Project.
   1. Record of successful in-service performance.
   2. Sufficient production capacity to produce required units.
   3. Professional engineering competent in design and structural analysis to fabricate ladders in compliance with industry standards and local codes.
B. Installer Qualifications: Competent and experienced firm capable of selecting fasteners and installing ladders to attain designed operational and structural performance.
C. Product Qualification: Product design shall comply with OSHA 1910.27 minimum standards for ladders.
D. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
   1. Install ladder in area designated by Engineer.
   2. Do not proceed with remaining work until workmanship and installation are approved by Engineer.
   3. Rework mock-up as required to produce acceptable work.

1.06 DELIVERY, STORAGE, AND HANDLING
A. Store products in manufacturer’s unopened packaging until ready for installation.

1.07 PROJECT CONDITIONS
A. Field Measurements: Verify dimensions by field measurement before fabrication.
   1. Established Dimensions: Where field measurements cannot be made without delaying the Work, indicate established dimensions on shop drawing submittal and proceed with fabrication.

1.08 WARRANTY
A. Manufacturer has responsibility for an extended Corrective Period for work of this Section for a period of 5 years from date of Substantial Completion against all the conditions indicated below, and when notified in writing from Owner, manufacturer shall promptly and without inconvenience and cost to Owner correct said deficiencies.
   1. Defects in materials and workmanship.
2. Deterioration of material and surface performance below minimum OSHA standards as certified by independent third party testing laboratory. Ordinary wear and tear, unusual abuse or neglect excepted.

3. Within the warranty period, the manufacturer shall, at its option, repair, replace, or refund the purchase price of defective ladder.

1.09 EXTRA MATERIALS

A. Furnish touchup kit for each type and color of paint finish provided.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Acceptable Manufacturer: O’Keeffe’s, Inc.; 325 Newhall St. San Francisco, CA 94124. ASD. Toll Free Tel: (888) 653-3333. Tel: (415) 824-4900. Fax: (415) 824-5900. Email: info@okeeffes.com. Web: http://www.okeeffes.com.

B. Or Approved equal.

2.02 LADDER

A. For this particular application, a custom ladder system will need to be constructed. Contact O’Keeffe for pricing and design. Provide dimensions of sight screen.

2.03 FINISHES

A. Mill finish. As extruded.

B. Clear Anodic Finish: AA-M10C22A41 Mechanical finish as fabricated. Engineerural Class I, clear coating 0.018 mm or thicker.

C. Paint. Urethane over chemically pretreated substrate. Owner shall approve color. Options:

1. Fire Red (RAL 2002).
3. Warning Blue (RAL 5005).
4. Caution Yellow (RAL 1018).
5. Safety Green (RAL 6001).
6. As scheduled on drawings.
2.04 MATERIALS

A. Aluminum Sheet: Alloy 5005-H34 to comply with ASTM B209.

B. Aluminum Extrusions: Alloy 6063-T6 to comply with ASTM B221.

2.05 FABRICATION

A. Rungs: Not less than 1-1/4 inches (32 mm) in section and 18–3/8 inches (467 mm) long, formed from tubular aluminum extrusions. Squared and deeply serrated on all sides. Rungs shall withstand a 1,500 pound (454 kg) load without deformation or failure.

B. Channel Side Rails: Not less than 1/8 inch (3 mm) wall thickness by 3 inches (76 mm) wide.

C. Heavy Duty Tubular Side Rails: Assembled from two interlocking aluminum extrusions no less than 1/8 inch (3 mm) wall thickness by 3 inches (76 mm) wide. Construction shall be self-locking stainless steel fasteners, full penetration TIG welds and clean, smooth and burr-free surfaces.

D. Ship Ladders: Not less than 1-1/4 inches (32 mm) high, 4-1/8 inch (105 mm) deep and 2 feet (610 mm) wide; tread spacing shall be 1 foot (305 mm) on center. Handrails shall be aluminum pipe, not less than 1-1/2 inches (38 mm) in diameter with hemispheric end caps.

E. Landing Platform: 1-1/2 inches (38 mm) or greater diameter, tubular aluminum guardrails and decks of serrated aluminum treads.

F. Security Doors: Formed 1/8 inch (3 mm) thick aluminum sheet. Security panels shall extend on both sides, perpendicular to the door face, to within 2 inches (51 mm) of the wall. Security door shall be furnished with continuous aluminum piano hinge and heavy duty forged steel locking hasps.

PART 3 EXECUTION

3.01 EXAMINATION

A. Coordinate anchorages. Furnish setting drawings, templates, and anchorage structural loads for fastener resistance.

B. Do not begin installation until supporting structure is complete and ladder installation will not interfere with supporting structure work.

C. If supporting structure is the responsibility of another installer, notify Engineer of unsatisfactory supporting work before proceeding.
3.02 INSTALLATION
   A. Install in accordance with manufacturer's instructions and in proper relationship with adjacent construction.

3.03 PROTECTION
   A. Protect installed products until completion of project.
   B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION
SECTION 06 10 00
ROUGH CARPENTRY

PART 1 – GENERAL

1.01 SCOPE OF WORK:
A. Supply and install all lumber as specified herein and as required by the manufacturer to qualify for the specified warranty.
B. Work includes:
   1. Wood deck repair and replacement.
   2. Wood nailer installation. If nailers are required by the manufacturer, contractor shall install nailers if not present. If nailers are present, contractor may re-use if nailers are approved by the manufacturer.

1.02 DELIVERY AND STORAGE:
Deliver and store materials in dry, protected areas as directed by owner. Keep free of stain or other damage. Replace any damaged material at no cost to owner. When ready to install, plywood shall be placed on the roof in small stacks over column locations until applied.

1.03 TECHNICAL SUBMITTALS
A. Submittal requirements: Contractor shall highlight anything in the submittal package that conflicts with or changes specifications or drawings. Include a reason for the change. Any submittals that alter existing specifications or drawings shall be approved by the engineer and owner prior to implementation.
B. The following submittals are to be made in conjunction with any other submittal requirements set forth in the bid documents.
C. The contractor shall submit the following upon request of the owner or engineer:
   1. Manufacturer specification data sheets. Submit for the following products:
      a. Lumber.
      b. Fasteners.
      c. Any other product used under this section.
   2. Manufacturer literature describing the installation procedure of the specified system.
3. Letter from manufacturer approving these specifications and drawings. Any changes in plans or specs to meet manufacturer requirements shall be submitted and highlighted. If manufacturer requirements conflict with these specifications or drawings, more stringent requirements will apply.

4. Shop drawings of any details that may be different than the NRCA standard details included in these specifications. This includes manufacturer detail drawings that may be different than NRCA drawings. All flashing detail designs shall be approved by the Owner.

PART 2 - MATERIALS

2.01 LUMBER:
   A. Lumber shall be dry and well seasoned. The moisture content shall not exceed 19% in boards 8" or less in depth, 15% in lumber more than 8" in depth and plywood.
   B. Lumber herein referred to shall be graded and grade marked and shall conform to the following specifications, as applicable. All material shall be new.
      1. Douglas Fir Select Structural I. Per standard grading and dressing rules #16 of the West Coast Lumber Inspection Bureau (WCLIB).
      2. Plywood: Replacement sheathing, Structural I, CD (exterior glue) shall conform to the requirements designed in American Plywood Association, US Production Standard for soft plywood. Each Standard PS 1-74 size panel shall be stamped with appropriate grade marking, visibly shown.

2.02 FASTENERS AND CONNECTORS
   A. All nails for fastening plywood to roof supports shall be common nails: flat head, diamond point, hot-dipped galvanized. All nails shall be hot-dip galvanized.
   B. Wood Nailers: Screws shall be coated #12. Length sufficient to penetrate steel decking.
PART 3 - EXECUTION

3.01 WOOD MATERIALS:
All materials shall be new when incorporated into the Work.

3.02 WORKMANSHIP:
A. The entire work of this division shall be performed in accordance with the best standards of practice relating to the trade and under the constant supervision of a competent foreman who shall carefully plan and lay out the work as required to carry out the intent of the drawings and to properly accommodate the work of other trades.

B. All lumber framing shall be accurately cut and fitted into the respective location, true to lines, grades and level as indicated or required and permanently secured in proper position with spikes, or other fastenings or fittings as detailed to render the work substantial and rigid in all parts and connections.

C. All framing shall comply with the requirements of the local building codes.

3.03 INSTALLATION OF WOOD NAILERS:
A. Install nailers to meet manufacturers wind uplift requirements per linear foot in any direction.

B. If required by the manufacturer, install nailers at the perimeter, walls, and around curbs to furnish at the same height as the insulation.

3.04 PLYWOOD DECK REPAIR:
Where nails are missing or loose or backed out, replace in like number with 8d nails.

3.05 PLYWOOD DECK REPLACEMENT:
A. Carefully remove damaged existing sheet(s).
B. Cut or trim new sheets in order to fit. Match existing plywood thickness.
C. Nail perimeter to substrate 4” O.C. using 8d nails.
D. Interior nailing shall be 6” O.C. using 8d nails.

END OF SECTION
SECTION 07 15 00
SHEET METAL WATERPROOFING

PART 1 – GENERAL

1.01 SCOPE OF WORK:

A. The Work required under this section consists of all shop and field fabricated sheet metal flashing and trim and related items necessary and required to complete the Work as indicated in this specification.

B. Contractor shall provide all items, articles, materials, operations or methods specified herein, including all labor, materials, equipment, and incidentals necessary and required for completion of the work.

C. Protect dissimilar metals by installing barrier sheets between them. Install barriers between metals where there is more than 0.15 V difference in the Anodic Index.

D. Sheet metal work shall include the following:
   1. Kynar coated metal edges at perimeters.
   2. Skirt counter-flashings to be installed at equipment curbs and any location requiring an extension of the existing counter-flashing.
   3. Replace all gutters and downspouts as specified.
   5. Fabricate and install new sheet metal flashings for around ductwork. See detail drawing #10.

1.02 REFERENCES:

A. American Society for Testing and Materials (ASTM) Standards.


1.03 QUALITY ASSURANCE:

A. Installer: All work of this Section must be performed by a licensed sheet metal contractor with five years of successful experience with installation of sheet metal flashing and trim similar in type and scope to project requirements.

B. Quality Standard: Fabricate and install sheet metal work in accordance with Sheet Metal and Air Conditioning Contractors' National Association, Inc.
(SMACNA) "Architectural Sheet Metal Manual", unless specifically indicated otherwise.

1.04 TECHNICAL SUBMITTALS

A. Submittal requirements: Contractor shall highlight anything in the submittal package that conflicts with or changes specifications or drawings. Include a reason for the change. Any submittals that alter existing specifications or drawings shall be approved by the engineer and District prior to implementation.

B. The following submittals are to be made in conjunction with any other submittal requirements set forth in the bid documents.

C. The contractor shall submit the following upon request of the District or engineer:

   1. Manufacturer specification data sheets. Submit for the following products:
      a. Specified sheet metal.
      b. Sealants.
   2. Manufacturer literature describing the installation procedure of the specified system.
   3. Shop drawings of any details that may be different than the NRCA or SMACNA standard details included in these specifications. This includes manufacturer detail drawings that may be different than NRCA or SMACNA drawings. All flashing detail designs shall be approved by the District.
   4. Material safety data sheets for all products used under this section.

1.05 WARRANTY & GUARANTEE

A. For all work performed under this section, the Roofing Contractor shall furnish to the District a five (5) year guarantee against labor and/or material leaks AND defects for all labor and materials installed under this contract. This guarantee shall also cover any and all labor and materials necessary to repair or replace any materials that are damaged or deteriorated as a result of material and/or improper or inadequate workmanship.

B. Kynar coated new gutter systems: The Kynar Materials Manufacturer shall provide a standard warranty covering material deficiencies for at least a period of ten (10) years from the date of acceptance by the District. This written warranty will be provided by the material manufacturer and will cover material for at least ten (10) years without a cost to the District.
PART 2 - PRODUCTS

2.01 SHEET STEEL

A. HVAC duct flashing: Galvanized Steel Sheet; ASTM A 526, commercial quality, G-90 hot dip galvanized. Minimum thickness: 24 gage (0.0239 inch), unless otherwise shown on the drawings or specified herein. Galvanized steel sheets shall be acid etched to receive paint finish.

B. New gutters and all other sheet metal: Kynar coated metal: 70% Kynar Coated Galvalume. Color approved by District. 24 gage (0.0239 inch), unless otherwise shown on the drawings or specified herein.

2.02 FASTENERS:

A. Screws: Minimum No. 8 size screw with watertight neoprene washers under screw head where exposed shall be used for the fastening of sheet metal into wood nailers. Self-tapping, #3 sheet metal screws of ½” length shall be used for the fastening of sheet metal to sheet metal. All screws shall be of corrosion resistant metal of same material as the material being fastened. All exposed fasteners shall have 5/8" steel/neoprene washers under head.

2.03 ACCESSORY MATERIALS:

A. Sealant: Elastomeric sealant shall be a low modulus, high performance, one part polyurethane type conforming to Federal Specifications No. TT-S-00230C, Type II, Class A, such as Sonolastic NP-1 by Sonneborn Building Products, Sikaflex-15LM or approved equal.

B. Solder: ASTM B 32-89, 50/50 tin-lead, rosin flux shall conform to Federal Specification O-F-506C, Type I, Form A or B.
PART 3 - EXECUTION

3.01 EXAMINATION:
A. Examine substrates and conditions under which products of this section are to be installed and verify that work may properly commence. Do not proceed with the Work until unsatisfactory conditions have been fully resolved.
B. Verify that nailers, blocking, and other attachment provisions for sheet metal work are properly located and securely fastened to resist effects of wind and thermal stresses.

3.02 PREPARATION:
A. Verify shapes and dimensions of surfaces to be covered before fabricating sheet metal.
B. Verify that surfaces to receive sheet metal are smooth, clean of all foreign matter, and have no water present in any form.

3.03 SHEET METAL INSTALLATION:
A. Sheet metal work shall be executed in a first-class, workmanlike manner in accordance with standard shop practices. Comply with sheet metal manufacturer's installation methods and recommendations in the SMACNA "Architectural Sheet Metal Manual".
B. The sheet metal work shall be accurately formed to dimensions and shapes detailed or required. Broken shapes shall finish with true, straight, sharp lines, and angles; and where intersecting, shall be coped to a precise fit and be securely soldered and scraped smooth. Lock seam work shall be made flat and true to line, sweated full of solder.
C. All sheet work shall be so formed and installed as to provide suitable allowance for expansion and contraction without causing undue stresses in any part of the completed work and shall finish water and weather tight throughout. Provide movement joints at maximum spacing of ten feet. No joints within 2 feet of corner or intersection.
D. Mechanically fasten and solder all joints, splices and transitions that are not designed for expansion. Fasten metal by solid riveting or forming double lock seams. Seal by continuous soldering.
E. Galvanic Action Protection: Isolate different metal types from each other to prevent galvanic action.
F. Use elastomeric sealant where necessary to make a watertight installation.
G. Form a ½ - inch hem on the underside of all exposed edges.
H. Fabricate cleats and attachment devices from same material as sheet metal component being anchored or from compatible, noncorrosive metal recommended by sheet metal manufacturer. The gage thickness shall be as recommended by SMACNA for application but in no case less than gage of metal being secured.

I. Soldered Joints:
   1. Clean surfaces to be soldered, removing oils and foreign matter.
   2. Pretin edges of sheets to be soldered to a width of 1-1/2 inches.
   3. Soldering shall be done with well heated soldering irons. Do not use torches for soldering.
   4. Heat surfaces to receive solder and flow solder into joint. Fill joint completely.
   5. Completely remove all flux spatter from exposed surfaces with a solution of washing soda in water.

3.04 PAINTING:
   All surfaces of exterior sheet metal work (except exposed ducting that is to be waterproofed) that will be exposed after installation shall be thoroughly cleaned with an acid wash and shall be primed and painted to match existing building finish on adjacent sheet metal surfaces. Refer to Section 09 91 13 – Exterior Painting. Kynar coated surfaces do not need to be painted.

3.05 GUTTER INSTALLATION
   Follow all SMACNA guidelines for the installation of gutters and downspouts. Refer to detail drawing #1.

3.06 INSPECTION:
   Before completing the work, District shall carefully examine, and if necessary, test all sheet metal work and equipment specified herein, and Contractor shall make all repairs to the work if damaged, leaving it in a condition satisfactory of the District.

3.07 CLEAN UP:
   All debris and/or rubbish resulting from the operations of this Work shall be cleaned up and removed from the work site as the work progresses. Contractor shall be responsible for removal of refuse by all subcontractors working under its direction.
SECTION 07 51 00
BUILT-UP BITUMINOUS ROOFING

PART 1 – GENERAL

1.01 SCOPE OF WORK UNDER THIS SECTION:
   A. Provide odor control measures at all air intakes as specified.
   B. Install specified cover board.
   C. Install crickets on the high sides of all curbs and along the drainage edge between primary drains as specified.
   D. Install one of the following:
      1. GAF: 4 ply built-up bituminous roofing membrane set in hot asphalt adhesive as specified. Install specified granule surfaced cap sheet.
      2. Firestone: Two-ply APP torch applied modified bitumen system with granular surfaced cap sheet.
      3. Or approved equal.
   E. Install walk pads around serviceable equipment. Include 100 linear feet of walk pads in the base bid for this project.
   F. Perimeter and projection flashings:
      1. Provide all flashing and penetration details in accordance with the detail drawings and manufacturer guidelines as specified in this.
      2. Drawings included with these specifications are not meant to accurately depict substrate conditions. They are meant to provide NRCA guidelines for basic flashing installation according to the system specified.
      3. If a manufacturer standard and required detail differs from that shown on the project detail drawings included in these specifications, contractor shall submit manufacturer approved drawing to the District and Engineer for approval. If the manufacturer requirements for a flashing detail is less stringent than those shown in the project drawings, the more stringent flashing detail shall govern with the approval of the manufacturer providing the warranty for this project.
   G. Provide District with a five (5) year contractor guarantee as specified.
   H. Provide District with a twenty (20) year no-dollar-limit manufacturer system warranty covering labor and materials.
1.02 QUALITY ASSURANCE

A. Contractor shall:
   1. Be experienced in built up roofing.
   2. Be certified or approved for the installation of proposed manufacturer's warranted roofing systems.

1.03 SYSTEM REQUIREMENTS

A. Roofing system shall comply with the 2013 California Building Code.

B. All materials shall comply with section 5.504 of the 2013 California Building Code. This requirement shall apply regardless of the products listed in these specifications. It is the responsibility of the contractor and manufacturer to comply with this requirement.

C. FIRE RATING - UL Class A: Proposed roofing system must have approvals from Underwriters Laboratories that indicate that the existing fire ratings attain a UL Class A assembly.

D. WIND UPLIFT: Any of the following.
   1. Factory Mutual: FM 4450, FM 4470 design standard for wind uplift is acceptable for this project.
   2. Underwriter’s Laboratory: UL 580 or UL 1897.
   3. ASCE 7-05 Wind Design loads.


F. The new roof system shall comply with all mandatory requirements under The California Green Building Standards as listed under Title 24 Part 11.

1.04 TECHNICAL SUBMITTALS

A. Submittal requirements: Contractor shall highlight anything in the submittal package that conflicts with or changes specifications or drawings. Include a reason for the change. Any submittals that alter existing specifications or drawings shall be approved by the engineer and District prior to implementation.

B. The following submittals are to be made in conjunction with any other submittal requirements set forth in the bid documents.

C. The contractor shall submit the following upon request of the District or engineer:
1. Manufacturer specification data sheets. Submit for the following products:
   a. Roof assembly.
   b. Roof membrane.
   c. Adhesives.
   d. Walk pads (must be approved by District).
   e. Any other product used on this project.

2. Manufacturer literature describing the installation procedure of the specified system.

3. Sample warranty from manufacturer and contractor.

4. Letter from manufacturer approving these specifications and drawings. Any changes in plans or specs to meet manufacturer requirements shall be submitted and highlighted. If manufacturer requirements conflict with these specifications or drawings, more stringent requirements will apply.

5. Shop drawings of any details that may be different than the NRCA standard details included in these specifications. This includes manufacturer detail drawings that may be different than NRCA drawings. All flashing detail designs shall be approved by the District.


7. Test reports:
   b. Written verification from roofing material supplier that roofing system meets or exceeds regulatory agency/s requirements. A photocopy of the UL Class "A" listing for the specified system with the proposed manufacturer as listed in the most recent UL Building Materials Directory. The Components of the system listed as UL Class "A" must match the system specified for each respective building.
   c. Wind uplift rating. Submit any of the following:
      • Factory Mutual I-60. FM listing is not required, but an FM design standard for wind uplift is acceptable for this project. Submit calculations for wind ratings for FM 1-60 for the specific building AND a letter or documentation from the manufacturer that roof attachment meets or exceeds these requirements.
      • UL Class 60 wind uplift rating. Submit a letter or documentation from
the manufacturer that roof attachment meets or exceeds this requirements.

- ASCE 7-05 Wind Design loads as calculated by the manufacturer for this specific project. Submit calculations for wind ratings using ASCE 7 for the specific building AND a letter or documentation from the manufacturer that roof attachment meets or exceeds these requirements.

1.05 SUBMITTALS OF RFI's (Requests for Information)

A. Refer to Section 3.07 of this specification for explanations of the procedures surrounding flashing design changes.

B. RFI’s for design clarifications shall be submitted prior to bid opening. If an RFI for the design of a flashing is submitted after the bid opening, contractor may be liable for compensating the District and engineer for time spent responding.

C. RFI’s can only be made after the bid opening if as a result of removing the existing roofing/flashing an unforeseen condition arises that affects the flashing design or the manufacturer required design.

D. It is the responsibility of the contractor to carefully review specifications and drawings prior to bidding. If conflicts are found between drawings and specifications (and between manufacturer requirements), submit an RFI prior to bidding. After the bid opening, it will be assumed that the contractor has reviewed the drawings and specifications and has bid the more stringent requirement. At this point, no change orders will be given for such discrepancies.

1.06 WARRANTY & GUARANTEE

A. Warranty: The Roofing Manufacturer shall provide a full system no dollar limit (NDL) warranty covering the roofing system against labor and/or material deficiencies for a minimum period of twenty (20) years from the date of acceptance by the District. This shall be a continuous warranty without the need for renewing. Manufacturer may require inspections throughout the warranty period, but any costs associated must be included in this initial contract.

B. Contractor Warranty: Upon project completion and District acceptance, effective upon complete payment, Contractor shall issue District a warranty against defective workmanship and materials for a period of five (5) years. This warranty shall cover all aspects of the project as specified. It shall not be limited to leaks, but include any and all defects that may become apparent during the warranty period.
PART 2 – MATERIALS

2.01 GENERAL:
A. All materials used on this project shall be new products.
B. Any materials that are seconds, out of date, or used, shall be removed from the job site.
C. Membrane shall be white with a Cool Roof and Energy Star rating.
D. FIRE RATING: UL Class A: Proposed roofing system must have approvals from Underwriters Laboratories that indicate that the existing fire ratings attain a UL Class A assembly.
E. WIND UPLIFT: The system shall attain a Factory Mutual I-60 or UL Class 60 wind uplift rating. FM listing is not required, but an FM design standard is adequate for this project.

2.02 RELATED MATERIALS:
A. TAPERED INSULATION for cricket enhancement: Isocyanurate as approved by membrane manufacturer.
B. FLAT STOCK INSULATION: Isocyanurate 1” thickness as approved by membrane manufacturer.
C. ASPHALT INTERPLY ADHESIVE: ASTM D312 Type IV (four).
D. COVERBOARD:
   1. USG Securerock,
   2. Densdeck Prime ¼”
   3. GAF EnergyGuard Perlite ½”
   4. or approved equal.
E. ADHESIVES: Shall be approved by the membrane manufacturer. Adhesives shall be voc compliant.
F. WALK PADS: Shall be furnished by the membrane manufacturer. Walk treads shall be of the highest quality provided by the manufacturer. Samples of the walk treads shall be provided to the District for approval.
G. FASTENERS AND STRESS PLATES: Shall be a non-corrosive type approved by the membrane manufacturer.
H. CAULK: Shall be a high-grade silicone or urethane as recommended by a
membrane manufacturer.
I. POND PATCH: Shall be approved by the manufacturer providing the membrane for this project.
J. Pipe hangers: Cooper B-line, PHP or approved equal. Provide support unit appropriate for pipes being supported in accordance with manufacturer recommendations.

2.03 PRE-APPROVED ROOFING SYSTEMS/MANUFACTURERS:
GAF, Commercial Roofing Products, which is located at: 1 Campus Dr.; Parsippany, NJ 07054;
A. BASE FLASHINGS: GAF system.
   1. Backer Sheet: Asphalt coated glass fiber reinforced base sheet: Conforms to or exceeds requirements of ASTM D 4601, Type II. GAFGLAS #75 Base Sheet
   2. Interply Sheet: Smooth surfaced modified bitumen membrane with polyester reinforcing mat coated with flexible, SBSW polymer-modified asphalt. Complies with ASTM D6164 Type I Grade S. Ruberoid Mop Smooth 1.5
   3. Surfacing Sheet: ENERGYSTAR rated, asphalt coated mineral surfaced cap sheet with elastomeric coating for use as the finish ply in the application of hot applied built-up roofs. Complies with ASTM D 3909. Minimum 3-Year Aged Reflectance of 0.55 and minimum emittance of 0.75 as measured by CRRC. GAFGLAS EnergyCap BUR.
B. SHEET MATERIALS
   1. GAFGLAS FlexPly 6 ply sheet.
   2. GAFGLAS EnergyCap BUR Mineral Surfaced Cap Sheet.

Firestone Building Products Co., Carmel, IN. www.firestonebpcocom
A. Cap Sheet: Granule surfaced, torch grade, APP polymer-modified bitumen sheet, complying with ASTM D 6222, Type I, Grade G, reinforced with non-woven polyester fabric, with the following additional characteristics:
   1. Reinforcing Fabric: 7.8 oz per sq yd (165 g/sq m), with high tensile fiberglass scrim.
   2. Nominal Thickness: 0.170 inch (4.3 mm)
B. Interply Base Sheet: Torch grade, APP polymer-modified bitumen sheet, reinforced with non-woven polyester fabric, complying with ASTM D 6222, Type I, Grade S, and with the following additional characteristics:

1. Reinforcing Fabric: 5.3 oz per sq yd (180 g/sq m), with continuous fiberglass strands in machine direction.
2. Nominal Thickness: 0.150 inch (3.8 mm).
3. Post Consumer Recycled Content: 8 percent, nominal.
4. Sheet Width: 3.3 feet (1 m), nominal.

C. Base Ply over LWIC: Fiberglass Reinforced asphalt base (300 sq ft per roll) Acceptable Product: MB Base M by Firestone

D. Flashings: Same materials and configuration as roofing membrane.
PART 3 – EXECUTION

3.01 GENERAL

A. It is the responsibility of the contractor to ensure that all requirements for the specified 20 year NDL warranty are accomplished and included in the bid for this project. No change orders will be approved for non-specified details, techniques, materials or procedures in order to obtain this warranty. If major problems or challenges are noted with regards to these requirements, the contractor shall notify the District prior to the bid opening.

B. When using adhesives for membrane or flashings, contractor shall follow manufacturer’s guidelines for installation during particular weather conditions. High humidity and/or low temperatures can adversely affect adhesives, especially low VOC and water based adhesives. Contractor shall take care on a daily basis to ensure that the use of these adhesives is restricted to weather conditions that are acceptable to the manufacturer.

C. Difficult areas of roofing:

1. It is not the intention of this specification to provide means or methods of roof installation. However, means and methods of roof installation must adhere to industry and manufacturer standards and shall have the approval of the District and engineer.

2. Unusual, unorthodox, or dangerous methods of roof removal or installation shall be reported to and approved by the District prior to execution.

3. If rooftop equipment or any other building component needs to be modified or moved in order to properly install the roofing system, it will be the responsibility of the contractor to perform the work under the base bid for this project without change order request. Contractor shall obtain permission from the District prior to bid opening for any equipment or building component modification. Any damage that is incurred to the equipment or building component as a result of movement or modification shall be repaired or replaced by the contractor at no cost to the District.

D. Perimeter and projection flashings: Please refer to section 3.06 of these specifications for specific instructions regarding flashings.

3.02 SURFACE PREPARATION:

A. Remove designated roof membrane and flashings down to the deck as specified in section 02 41 19.13.

B. Prior to installation of cover board, coordinate with District representative for
inspection of the substrate.

C. Ensure that the substrate is dry and free of dirt, debris, and other foreign matter prior to the installation of new materials.

3.03 ODOR CONTROL

A. Contractor shall take the following steps to ensure that odor does not penetrate into work space during installation of roofing system:

   1. Provide charcoal filters over air intakes.
   2. Provide duct extensions or diverters when working near air intakes. Intake diverters may be flex hosing or plywood structures.
   3. Work with the building occupants to coordinate work around air intake units. In some cases it may be possible to re-circulate or shut air intake system down.

B. The contractor is ultimately responsible for odor control as part of the contract. The District and roof consultant shall determine if contractor has provided adequate odor control measures.

3.04 INSTALLATION OF NAILERS:

A. Install nailers as required by the manufacturer in accordance with section 06 10 00 Rough Carpentry.

3.05 INSTALLATION OF CRICKETS, INSULATION AND COVERBOARD:

A. Install drainage crickets at the high side of all curbs.

B. Mechanically attach specified cover board filling all voids greater than 1/4" and staggering all joints. If using fasteners, fasten only into upper flutes. (For applications on metal decks). Fastener length should not penetrate down below the lower flutes because conduits are mounted on the underside of the deck.

C. Cut insulation to fit snugly around all penetrations. Fill any voids greater than ¼" with like material.

3.06 STEEP SLOPE APPLICATION REQUIREMENTS

A. Follow manufacturer installation requirements for slope conditions.

B. Install ply sheets and cap sheets parallel with the slope (strapping method).

C. Use wood nailers (insulation stops) at least 3-1/2" wide and equal in thickness
to the insulation. Nailers must be mechanically fastened to the deck and installed at right angles to the direction of the slope.

D. Install wood nailers at the eave, at the ridge and at intermediate spacing of no more than 8 feet. All dimensions are from inside face to inside face of the wood nailers.

3.07 GAF INSTALLATION OF PLY AND CAP SHEETS

A. Base / Interply Sheets:
   1. Asphalt shall be applied in a full uniform layer, at a rate of 25 lb/100 sf (1.2 kg/sm).
   2. Base Sheet: Install full width base sheets, lapping 2 inches (51 mm) on the sides and 4 inches (102 mm) on the ends. Stagger adjacent end laps a minimum of 18 inches (457 mm) apart. Turn all plies up and over the cant strip by 2 inches (51 mm).
   3. Four-ply application: Install starter strips of 9-7/8 inches (251 mm), 19-11/16 inches (500 mm), 29-1/2 inches (749 mm) and 39-3/8 inches (1000 mm) widths and follow with a second full 39-3/8 inches (1000 mm) width sheet with a maximum 7-7/8 inches (200 mm) exposure, applied shingle style. Lap felts 30-1/16 inches (764 mm) with a 9-5/16 inches (236 mm) exposure and lap 6 inches (152 mm) at ends. Stagger adjacent end laps a minimum of 18 inches (457 mm).

B. Cap Sheet
   1. Install full width base sheets, lapping 2 inches (51 mm) on the sides and 4 inches (102 mm) on the ends. Stagger adjacent end laps a minimum of 18 inches (457 mm) apart. Turn all plies up and over the cant strip by 2 inches (51 mm).

3.08 FIRESTONE MODIFIED BITUMEN INSTALLATION BY HEAT WELDING (TORCH)

A. Start at the low point with a full width sheet, fully unrolled and aligned; align and unroll remaining sheets during heat fusing operation.

B. Fully heat weld sheets to substrate using methods recommended by roof membrane manufacturer.

C. Maintain 3 inch (75 mm) side laps and 6 inch (150 mm) end laps.

D. Granule Surfaced Sheets: In areas that form the substrate for heat fusing, such as laps, flashings, and patches, embed the granules prior to fusing subsequent sheet. Apply additional granules to all exposed surfaces that have none or cover
with additional piece of granule surfaced material.

E. Complete the entire membrane installation without undue delay.
F. Exception: The cap sheet may be installed not more than 14 days after installation of the interply base sheet.
G. Before resuming installation, be sure the surface of the last sheet is clean and dry; broomed and cleaned sufficiently using the necessary equipment.
H. Remove materials that show evidence of water intrusion and replace with like material.
I. Cover materials that have been damaged with additional layers of ply sheets installed over them equal in quantity to those originally installed.

3.09 FLASHINGS

C. Bituminous Base Flashings:

1. Install base flashing over all cant strips, horizontal to vertical transitions, roof edges and roof penetrations. Flashings are to be secured in accordance with current manufacturer application guidelines.

2. Nailable curbs and walls shall be covered with a layer of approved Base Sheet or backer ply fastened 8 inches o.c. in all directions with approved fasteners. All vertical laps shall be 4 inches. Base sheet or backer ply shall extend out onto the field of the roof as shown in the applicable construction detail.

3. Prime all metal and masonry surfaces with asphalt primer and allow adequate drying time prior to adhering flashing plies.

4. Backer plies installed over masonry or other non-nailable substrates shall be cut into manageable lengths to ensure adequate adhesion to the cant strip and vertical surfaces without excessive voids. All vertical laps shall be 4 inches. Backer plies shall extend onto the field of the roof as shown in the applicable construction detail.

5. The finished ply of base flashing shall be run vertically to provide a selvage edge that will aid in achieving proper adhesion at the 3 inches vertical laps. If the sheet is run horizontally, the vertical laps shall be a minimum of 6 inches and the selvage edge shall be removed form the sheet or fully covered by the counter flashing. The finished flashing ply shall extend out onto the field of the roof as shown in the applicable construction detail and shall be extended a minimum of 4 inches beyond the edge of the prior flashing plies. The flashing shall be soundly adhered to the parapet, cant area and roof surface to result in a minimum void, non-bridging construction.

6. Base flashing heights shall be a minimum of 8 inches and a maximum of 24 inches above the roofline.
7. Use only Type IV hot asphalt. Maintain asphalt at the Equiviscous Temperature (EVT) +/- 25 degree F for all base and ply sheets used in flashing details. Apply flashing membranes at the EVT temperature or 425 degree F whichever is greater. Firmly press sheets into the adhesive and immediately nail the top of the flashing as specified in the appropriate flashing detail.

8. Corner membrane flashings for outside corners and inside corners or other membrane reinforcements are required to ensure that base flashing corners are sealed at cant areas. An alternate method of corner reinforcing is to install a smooth MB membrane reinforcement piece on the prepared corner substrate prior to final surfacing membrane.

D. Install flashings in accordance with detail drawings and manufacturer guidelines. Details depicted in the drawings shall also conform with manufacturer guidelines. Where conflict exists, the more stringent detail shall govern. If conflict exists between depicted drawings and manufacturer guidelines, the following process shall apply:

1. Manufacturer shall inspect the detail and provide a recommended flashing design to the contractor and engineer.

2. Contractor shall install the flashing only after it has been approved by the engineer and District.

3. There shall be no additional charges for this proposed detail. It is the responsibility of the contractor to ensure that all manufacturer guidelines are accounted for in the base bid for this project.

E. ANY DETAIL NOT COVERED IN THESE SPECIFICATIONS SHALL BE INSTALLED IN ACCORDANCE WITH GOOD ROOFING PRACTICE, N.R.C.A. RECOMMENDATIONS AND HAVE THE APPROVAL OF THE MANUFACTURER PROVIDING THE WARRANTY FOR THE ROOFING SYSTEM. If a detail is not covered in these specifications the following process will take place prior to bid opening:

1. Contact manufacturer responsible for flashing guarantee. Manufacturer shall inspect the detail and provide a recommended flashing design to the contractor. OR contractor may bid using the approved manufacturer detail.

2. Contractor shall bid using the manufacturer-approved detail.

3. Contractor shall submit detail drawing to District as part of the submittals.

4. No change order will be given to the contractor for flashing details that were visible prior to construction. It is the responsibility of the contractor to cover in his bid all approved and specified details.

F. Hidden Conditions warranting a change in scope of work or change order:
1. A hidden condition is defined as a condition that is revealed when the existing roof or flashing is removed AND that condition requires additional work above and beyond the work specified. For example, damaged substrate that must be replaced.

2. If after removal of the roof or flashing, the substrate differs from that shown on the drawings, it shall not be considered a hidden condition unless it requires a change in scope of work.

3. If nailers are required by the manufacturer, contractor shall install nailers if not present. If nailers are present, contractor may re-use if nailers are approved by the manufacturer.

3.10 SPECIAL INSTRUCTIONS:

A. Obsolete Penetrations - Verify with District all obsolete penetrations and remove from the roof.

B. Delicate mechanical equipment – All mechanical equipment that is damaged or too delicate to move shall be identified at the pre-bid meeting or prior to bid.

C. Sleepers - All sleepers should run perpendicular with the flow of water. If this is not possible, the sleepers should be boxed in and a diverter placed on the upside to prevent water from ponding. For extremely large sleepers that cannot be boxed in, contractor shall install tapered insulation between the sleepers in order to evacuate water from underneath the unit.

D. Prime and paint all exposed sheet metal flashings in accordance with Section 09 91 13.

E. MECHANICAL EQUIPMENT NOT MEETING 8” HEIGHT REQUIREMENT FOR BASE FLASHING: It is not the intention of this contract to perform major mechanical alteration in order to provide 8” heights on flashings. If a mechanical unit exists that does not meet a flashing height requirement, the contractor may install flashings in a manner that does not require major alteration. It is still the responsibility of the contractor to perform the flashing in a watertight manner, and the flashing will be included in the contractor guarantee. If the manufacturer requires a particular flashing height, it is acceptable for the manufacturer to exempt the mechanical unit from the warranty with approval of the District and engineer. If a manufacturer is not willing to exempt a specific flashing, then it is the responsibility of the contractor to either comply with the manufacturer requirement, or use another manufacturer.

3.11 WALK PADS:
A. Clean roof surface of all dirt and debris where walk pads are to be placed.
B. Install walk pads as approved and warranted by the membrane manufacturer.
C. Locations of walk pads: At access hatch. At base of ladder.

3.12 AESTHETICS:
A. Contractor shall coordinate aesthetics with District.
B. Contractor shall take precaution against overspray as directed by District.
C. Contractor shall paint areas of asphalt spillage as directed by the District.
D. Paint all sheet metal and lead surfaces in accordance with Section 099113.
E. Any dirt, stains from bitumen materials, or other foreign matter shall be removed from the newly installed membrane to restore the surface to a clean, spot-free, and as-new condition, using methods as recommended by the manufacturer.

3.11 FINAL TESTING, INSPECTION & PUNCHLIST:
A. Contractor shall notify the District when roof is ready for final inspection.
B. District shall coordinate final inspection and provide contractor with punch list.
C. Contractor shall perform punchlist items within seven (7) working days of having received the final inspection punchlist.
D. District shall coordinate an inspection verifying that all punchlist items have been complete. If punchlist items remain, contractor may be subject to compensating the District for additional final punchlist verification inspections.

END OF SECTION
SECTION 09 91 13
EXTERIOR PAINTING

PART 1 - GENERAL

1.01 SCOPE OF WORK:
   A. Provide all labor and materials required to complete all painting and finishing work required by this Specification.
   B. Work shall include painting of the following:
      1. All unpainted sheet metal flashings and trim that are newly installed Exterior wood trim.
      2. All colors shall be approved by the District.
      3. Kynar coated sheet metal with approved color does not need to be painted.

1.02 QUALITY ASSURANCE:
   A. Comply with all state and local regulations governing the use of paint materials. All paint primers and finishes will comply with California Air Resource Board and Environmental Protection Agency regulations.

1.03 PRODUCT DELIVERY, STORAGE, AND HANDLING:
   A. Deliver materials to the work site in unopened containers bearing manufacturer's name and product description.
   B. Store materials in a dry, clean, well ventilated area. Close containers.

1.04 TECHNICAL SUBMITTALS
   A. Submittal requirements: Contractor shall highlight anything in the submittal package that conflicts with or changes specifications or drawings. Include a reason for the change. Any submittals that alter existing specifications or drawings shall be approved by the engineer and District prior to implementation.
   B. The following submittals are to be made in conjunction with any other submittal requirements set forth in the bid documents.
   C. The contractor shall submit the following upon request of the District or engineer:
      1. Manufacturer specification data sheets. Submit for the following products:
a. Paint.
b. Primer.

2. Manufacturer literature describing the installation procedure of the specified system.

PART 2 - PRODUCTS

2.01 APPROVED PAINT MANUFACTURERS:
   A. Sinclair Paint Company (ICI Paint Stores)
   B. Dunn-Edwards Paint Corporation
   C. Sherwin-Williams Co.
   D. Kelly Moore.

2.02 EXTERIOR PAINT SYSTEMS:
   A. Zinc Coated Metal:
      1. Pretreatment - (ICI Sinclair Vinyl Wash Primer, Dunn-Edwards Galva-Etch GE 123, Sherwin Williams B50W3, or Kelly Moore approved.).
      2. 1st coat - Primer Coat. (ICI Devoe Devguard #4120, Dunn-Edwards W 711, Sherwin Williams B42N8, or Kelly Moore 5725 DTM Acrylic Primer).
      3. Top coat(s) - Water base acrylic, semi-gloss enamel finish coat (ICI Sinclair #2406 Decrashield Semigloss Finish, Dunn-Edwards W901, Sherwin Williams A84, or Kelly Moore 1250 Acry-Shield Acrylic Enamel)
   B. Wood:
      1. 1st Coat - Exterior Wood Primer (ICI Sinclair Ultra-Hide Durus #2110, Dunn-Edwards W 42-1, Sherwin Williams Y24W20, or Kelly Moore 150 Color-Shield primer-sealer).
      2. Top Coat(s) - Water base acrylic, semi-gloss enamel finish coat (ICI Sinclair #2406 Decrashield Semigloss Finish, Dunn-Edwards W901, Sherwin Williams A84, or Kelly Moore 1250 Acry-Shield)

PART 3 - EXECUTION:

3.01 CONDITION OF SURFACES:
Examine surfaces scheduled to receive paint and finishes for conditions that will adversely affect execution, permanence and quality of work. Do not apply paint or finish until conditions are satisfactory.
3.02 **PREPARATION:**
   A. Prepare surfaces in a skillful manner to produce finish work of first class appearance and durability.
   B. Clean surfaces free of dust, dirt, oil, grease and other foreign matter prior to the application of the prime coat.
   C. Repair all voids, nicks, cracks, dents, etc., with suitable patching material and finish flush to adjacent surface.

3.03 **APPLICATION:**
   A. Apply material evenly, free from sags, runs, crawls, holidays or defects.
   B. Apply paint by brush, roller or spray.
   C. Employ coats and undercoats for all types of finishes in strict accordance with the recommendations of the paint manufacturer.
   D. Allow each coat to dry before succeeding coat application.

3.04 **REINSTALLATION OF REMOVED ITEMS:**
   Following completion of painting each space, promptly reinstall all items removed for painting, using only workmen skilled in the particular trade.

3.05 **CLEANING:**
   Remove all surplus materials and debris from the work site at completion of each days work. Remove all spatterings from all finish surfaces.

END OF SECTION
FY15 Roof Replacement Project at
PERALTA COMMUNITY COLLEGE DISTRICT
333 E 8th St. Oakland CA 94606

ROOF PROJECT SPECIFICATIONS
FORUM BUILDING

April 2015
Project Engineer:
Bryan Schalesky, PE
SECTION 02 2400
Scope of Work Forum Building

A. Remove existing roofing system, insulation, and flashings in accordance with section 02 41 19.13. Selective Building Demolition. Prior to installation of insulation, coordinate with District representative for inspection of the substrate.

B. Provide odor control measures at all air intakes as specified in section 07 54 00 Thermoplastic Membrane Roofing.

C. Check decking for deflection. Modify decking in order to eliminate deflected areas that may cause ponding as specified in section 07 54 00 Thermoplastic Membrane Roofing.

D. Increase the width and slope of existing drainage cricketks as specified in section 07 54 00 Thermoplastic Membrane Roofing.

E. Install cricketks on the high sides of all curbs as specified in section 07 54 00 Thermoplastic Membrane Roofing.

F. Adhere 1” isocyanurate insulation and coverboard to the deck as specified in section 07 54 00 Thermoplastic Membrane Roofing.

G. Adhere specified membrane as specified in section 07 54 00 Thermoplastic Membrane Roofing.

H. Install walk pads around serviceable equipment as specified in section 07 54 00 Thermoplastic Membrane. Contractor shall include 400 linear feet of walk pad installation in the base bid. Exact locations will be determined at a later date.

I. Install pipe supports at all horizontal lines as specified in section 07 54 00 Thermoplastic Membrane Roofing.

J. Add overflow scuppers next to all primary drains as specified in section 22 14 26.13 Roof Drainage.

K. Perimeter and projection flashings:
   1. Provide all flashing and penetration details in accordance with the detail drawings and manufacturer guidelines as specified in section 07 54 00 Thermoplastic Membrane Roofing.

   2. Drawings included with these specifications are not meant to accurately depict substrate conditions. They are meant to provide NRCA guidelines for basic flashing installation according to the system specified.

   3. If a manufacturer standard and required detail differs from that shown on the project detail drawings included in these specifications, contractor shall submit manufacturer approved drawing to the Owner and Engineer for approval. If the manufacturer requirements for a flashing detail is less stringent than those shown in the project drawings, the more stringent flashing detail shall govern with the
approval of the manufacturer providing the warranty for this project.
L. Provide all work as specified in the following sections. Review scope of work under each of these sections:
   1. 024119.13 Selective Building Demolition
   2. 071500 Sheet Metal Waterproofing
   3. 075400 Thermoplastic membrane Roofing
   4. 099113 Exterior Painting
   5. 221426.13 Roof Drainage
M. Provide owner with a five (5) year contractor guarantee as specified in section 07 54 00 Thermoplastic Membrane Roofing.
N. Provide owner with a thirty (30) year no-dollar-limit manufacturer warranty covering labor, materials, and metal flashings as specified in section 07 54 00 Thermoplastic Membrane Roofing.
O. Provide any other warranty or guarantee as required by the specification sections listed above.

END OF SECTION
SECTION 024119.13
SELECTIVE BUILDING DEMOLITION
(Roof Demolition)

PART I – GENERAL

1.01 SCOPE OF WORK:
   A. Remove and dispose of existing built-up roofing system, insulation and all associated base flashings and metal projection and perimeter flashings.
   B. Solar panels shall not be moved or disturbed.
   C. Comply with District recommendations for setup of debris removal boxes, chutes and dumpsters.
   D. Protect adjacent surfaces from damage during removal.
   E. Where specified, remove and dispose of existing rooftop equipment not in use. Check with District to verify what equipment is to be removed.
   F. All hazardous waste shall be removed in accordance with all Local, State, Federal, and District requirements. Hazardous waste removal is not part of this section.
   G. Prior to installation of insulation, coordinate with District representative for inspection of the substrate.
   H. Sheet metal that is removed from the project shall be recycled.
   I. Loose gravel removed from the roof shall be recycled.
   J. Report the amount of debris removed to the District. Report the amount of material recycled to the District.

1.02 REGULATIONS
   A. Comply with all requirements as set forth in the 2013 California Building Code.
   B. Comply with section 5.408 of the California Building Code as it pertains to construction waste reduction, disposal and recycling.

1.03 GENERAL:
   A. During all phases of work, contractor shall comply with all applicable sections of the State of California Code of Regulation (CCR), Industrial Safety Orders (Title 8), as well as Federal and State of California Occupational Safety and Health Administration (OSHA) regulations, including the Hazardous Waste Operations and
Emergency Response Regulation (Title 8, Section 5192 and 29 CFR 1910.120).

B. All project staging shall have the approval of the District’s Representative.

PART 2 – PRODUCTS
NONE

PART 3 – EXECUTION
3.01 EXAMINATION:
A. Survey existing conditions to determine extent of demolition required.
B. Arrange operations to reveal concealed structural conditions for examination and verification before removal or demolition.
C. Verify actual conditions to determine whether removal or demolition will result in structural deficiency, overloading, failure or unplanned collapse.
D. Items to remain shall be protected against damage during the demolition operations.
E. Demolish and remove existing construction only to the extent required by the new construction and as indicated.
F. Perform selective demolition using methods which are least likely to damage work to remain and which provide proper surfaces for patching.
G. Promptly remove all debris to avoid excessive loads on supporting walls, floors, and framing.
H. Remove debris from District property on a daily basis to a legal disposal site.

3.02 UNIDENTIFIED MATERIALS:
A. If the contractor in the course of normal inspections identifies any unidentified items, including materials that may contain asbestos or any other potentially hazardous substances that will (or may) require additional demolition and removal other than as required by this contract, the contractor shall immediately report to the project engineer.
B. The District will arrange for necessary testing and analysis of unidentified materials and will provide instructions to the contractor.
regarding the removal, handling, storage, transport and disposal of the materials.

3.03 DUST CONTROL:
   A. Accomplish demolition and removal with the minimum accumulation of dust and debris.
   B. Contractor may use water to help mitigate dust. However, do not use too much water as to cause leakage into the building.
   C. Work shall proceed in such a manner as to minimize the spread of dust and flying debris.

3.04 PROTECTION:
   A. Provide for the protection of persons passing around and through the area of demolition.
   B. Provide protective measures to ensure free and safe passage of persons to and from occupied areas.
   C. Execute demolition work in a manner that will ensure the safety of adjacent property and persons occupying such property against any damages or injuries which might occur from falling debris, unprotected excavations, holes, voids, etc. Airborne residue or other causes; and so as not to interfere with the use of adjacent public and private property of the free and safe passage to and from the same.
   D. Take all necessary precautions to prevent damage to any existing construction scheduled to remain, whether located on the site or on adjacent property.
   E. Protect existing walls, floors and other new or existing work including finishes from damage during the demolition process.
   F. Any item damaged or disturbed which was required to remain in place shall be replaced, repaired, or reset to the satisfaction of the District’s Representative at no cost to the District.
   G. Protect landscaping and trees from damage. If damaged, return to pre-construction condition.
   H. Contractor shall monitor weather predictions and cease work when rain or heavy fog is forecast.

3.05 DISPOSAL:
   A. Disposal facilities shall be in compliance with all federal and state regulations. Applicable regional and local laws, rules and regulations
shall be those of the government or quasi-governmental agencies, or other entities having jurisdiction at the disposal facility.

B. Disposal of any material as non-hazardous waste shall not relieve the contractor from complying with the requirements of the contract documents and the requirements of all federal, state, regional and local laws, rules, and regulations regarding the removal and transport of materials as specified.

3.06 CLEANUP:

A. Inspect existing surfaces or structures adjacent to demolition and removal operations, including surfaces or structures on adjacent public or private property for damage and stains. Repair or clean existing surfaces or structures not indicated to be removed including surfaces or structures on adjacent public or private property prior to the completion of the work at no additional cost.

B. Keep the project site clear of all debris resulting from demolition and removal operations and remove all debris from the site on a daily basis during the progress of the work. The cost of removal, hauling, and dumping shall be borne by the contractor.

3.07 UTILITY SERVICES:

A. Maintain existing utilities, keep in service and protect against damage during demolition operations.

B. Do not interrupt existing utilities servicing occupied or used facilities, except when authorized in writing by District's Representative. Provide temporary services during interruptions to existing utilities as acceptable to District.

END OF SECTION
PART 1 GENERAL

1.1 SECTION CONTENTS

A. This section specifies the methods, procedures, and requirements related to the removal and disposal of lead-containing paint and materials including, but not limited to:

1. Regulatory requirements
2. Submittals
3. Personal protective measures
4. Execution
5. Inspections
6. Waste handling and disposal

1.2 SCOPE OF WORK

A. This section applies to the Laney College Forum and Child Care Roof Replacement Project in which lead-containing materials may be disturbed. Skyline Engineering conducted limited paint chip sampling from various painted building components at the site location. A total of three paint chip samples were collected with one of the paint chip samples being identified as having a detectable concentration of lead. If additional materials are to be disturbed or if suspect lead-containing materials that were not tested will be disturbed, the Contractor will be responsible for treating those materials as lead-containing unless testing by the Contractor proves otherwise. The Contractor will be responsible for complying with this section in the handling and disposal of this lead containing paint. The building components that were found to be lead-containing are listed below:

1. Forum Roof: Southeast corner - metal exhaust duct – black coating.
2. Forum and Child Care Roofs: Solid lead details – including but not
limited to - pipe shrouds and site shield base flashings.

B. In accordance with all drawings, specifications and instructions, the Contractor shall furnish all labor, transportation, materials, supervision, equipment, insurance, taxes, overhead and all other items of expense, or services necessary for the removal and disposal, or encapsulating, of designated building components, or any other building components coated with lead-containing paint necessary for completing the reroofing project at the Laney College. These components will be either removed and disposed, or encapsulated as directed in this contract document or on the contract drawings.

C. Briefly, and without force and effect upon the contract documents, the work of the Contract can be summarized as follows:

1. The removal and disposal or prepping of the metal exhaust ducting found on the Forum roof.

2. The removal and disposal of ALL solid lead flashing details on both the Forum roof and the Child Care roof.

1.3 POTENTIAL LEAD HAZARD

A. The disturbance of building materials coated with lead containing paint may cause lead contaminated dust to be released in to the environment, thereby creating a potential health hazard to workers and occupants. Ingestion or inhalation of lead contaminated dust can cause various health concerns, including but not limited to nausea, anemia, vomiting, kidney disease, nervous system disorders, and reproductive problems. All contractors, subcontractors, consultants, and other occupants in the vicinity of a potential lead hazard should be apprised, by the responsible parties and applicable warning signs per OSHA requirements cited herein.

B. Significant lead exposure may result from activities such as demolition of components, scraping, sanding, or grinding lead-based paint, abrasive blasting of surface coatings, welding, torch cutting, or related procedures. Where in performance of the work specified herein, a lead exposure is potential, strict adherence to the measures and procedures of these specifications shall be mandatory.
1.4 REGULATIONS

A. The Contractor shall comply with the requirements of the following regulations and guidelines governing lead removal and disposal, as well as other applicable federal, state, and local government regulations. The regulations and/or guidelines listed herein are incorporated by reference.

Code of Federal Regulations (CFR)
29 CFR 1910.1025
29 CFR 1926, Construction Standards
29 CFR 1926.62, Lead in Construction Standard
40 CFR Part 50.12, Ambient Air Quality Standard for Lead
40 CFR Parts 261, 265, and 268, Hazardous Waste Management
49 CFR Parts 172, 173, 178, 179, Hazardous Material Transportation

California Code of Regulations (CCR)
8 CCR Division 1, Chapter 4, Subchapter 4, Construction Safety Orders
8 CCR 1532.1, Lead in Construction Standard
8 CCR 5144, Respiratory Protection
22 CCR Divisions 4 and 4.5, Hazardous Waste

1.5 DEFINITIONS

A. General: Definitions contained in this Section are not necessarily complete, but are general to the extent that they are not defined more explicitly elsewhere in the Contract Documents.

1. Abatement: means the removal or covering of paint, plaster or other material containing lead-based paint from interior or exterior surfaces.

2. Action Level: An airborne concentration of 30 micrograms per cubic meter (30ug/m³) of air as an eight (8) hour time weighted average (TWA) as covered by OSHA regulations 29 CFR 1926.62 and Cal/OSHA Title 8, Section 1532.1.

3. Air Monitoring: The process of measuring the lead levels of a specific volume of air.

4. Authorized Visitor: The Owner, testing lab personnel, or a representative of any federal, state and local regulatory or other agency having authority over the project.

5. Breathing Zone: A hemisphere forward of the shoulders with a radius
6. Certified Industrial Hygienist (C.I.H.): A person certified by the American Board of Industrial Hygiene and qualified by training and/or experience to specify measures for the recognition, evaluation, and control of occupational health hazards.

7. Construction Barrier: Demarcation of the work area limiting access by unauthorized personnel.

8. Disposal Bag: A 6mil thick leak-tight plastic bag used for transporting lead waste from work area to disposal site.

9. Elevated Blood Lead Level: Means a blood lead concentration equal to or greater than twenty-five (25) micrograms per deciliter (ug/dl).

10. Encapsulation: Involves resurfacing or covering surfaces, and sealing or caulking with durable materials, so as to prevent or control chalking, flaking lead-containing substances from entering the environment.

11. Enclosure: The construction of an airtight, impermeable, permanent barrier around lead-containing material to control the release of lead dust into the air.

12. Filter: A media component used in respirators to remove solid or liquid particles from the inspired air.

13. Final Inspection: Inspection by a qualified inspector, industrial hygienist, or local public health official to determine whether removal and cleanup are complete.

14. Hazardous Waste: As defined in Resource Conservation Recovery Act (RCRA) the term "hazardous waste" means a solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible, illness; or pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed. In addition, Hazardous Waste also refers to waste as described by the California Department of Toxics and Substance Control (Title 22).
15. HEPA Filter: A High Efficiency Particulate Air filter capable of trapping and retaining 99.97% of particles greater than 0.3 microns in diameter.

16. HEPA Filter Vacuum Collection Equipment (or vacuum cleaner): High Efficiency Particulate Air (absolute) filtered vacuum collection equipment with a filter system capable of collecting and retaining 99.97% of particles of 0.3 microns in diameter or larger.

17. High Phosphate Detergent: Detergent which contains at least 5% tri-sodium phosphate (TSP).

18. Lead-Based Paint: Surface coatings containing greater than the Consumer Product Safety Commission maximum concentration of 600 ppm (0.06% by weight).

19. Lead-Containing Paint: Surface coatings containing detectable levels of lead as regulated under the Cal/OSHA Lead in Construction Standard, 8 CCR 1532.1.

20. Lead Permissible Exposure Limit (PEL): The employer shall ensure that no employee is exposed to an airborne concentration of lead in excess of 50 micrograms per cubic meter (50μg/m³) of air as an eight (8) hour time weighted average (TWA) as covered by OSHA regulations 29 CFR 1926.62 and Cal/OSHA Title 8, Section 1532.1.

21. Negative Pressure: Air pressure lower than surrounding areas, generally caused by exhausting air from a sealed space (work area).

22. Negative Pressure Respirator: A respirator in which the air pressure inside the respiratory-inlet covering is positive during exhalation in relation to the air pressure of the outside atmosphere and negative during inhalation in relation to the air pressure of the outside atmosphere. Negative pressure respirators include all powered-air purifying respirators (PAPRs).

23. Negative Pressure Ventilation System: A local exhaust system utilizing HEPA filtration capable of maintaining a negative pressure inside the work area and a constant air flow from adjacent areas into the work area and exhausting that air outside the work area.

24. Owner Representative or Environmental Consultant: The
Environmental Consultant is Skyline Engineering, Inc. The Environmental Consultant will represent the Owner on issues relating to the project design and the scope of work as defined by this specification.

25. Personal Monitoring: Sampling of lead concentrations within the breathing zone of an employee.

26. Replacement: Means removing components that have lead-painted surfaces, or are considered lead-contaminated and installing new components free of lead-containing paint.

27. Respirator: A device designed to protect the wearer from the inhalation of harmful atmospheres.


29. Testing Laboratories: A "testing laboratory" is an independent entity engaged to perform specific inspections or tests, either at the project site or elsewhere, and to report on, and, if required, to interpret, results of those inspections or tests.

30. Time Weighted Average (TWA): The average concentration of a contaminant in air during a specific time period.

31. Visible Emissions: Any emissions containing particulate lead material that are visually detectable without the aid of instruments. This does not include condensed uncombined water vapor.

32. Wet Cleaning: The process of eliminating lead contamination from building surfaces and objects by using cloth, mops, or other cleaning utensils which have been dampened with high phosphate detergent and afterwards thoroughly decontaminated or disposed of as lead contaminated waste.

33. Work Area: The area where lead related work or removal operations are performed which is defined and/or isolated to prevent the spread of lead dust, or debris, and entry by unauthorized personnel.
1.6 SUBMITTALS AND NOTICES

A. **Training**: Submit three (3) days prior to commencing work two (2) copies of the training documentation for each supervisor and worker who will be on-site for this project. This training shall be in accordance with 8 CCR 1532.1 (CAL/OSHA Lead in Construction Standard).

B. **Medical Monitoring**: Submit Five (5) days prior to commencing work two (2) copies of the medical documentation for each supervisor and worker who will be on-site for this project. Contractor shall submit documentation that all employees engaged in removal activities have had the appropriate medical examinations within the prescribed time periods immediately preceding project start-up. Documentation shall include, but is not limited to, baseline blood lead levels performed in accordance with 8 CCR 1532.1 (CAL/OSHA Lead in Construction Standard).

C. **Respiratory Protection**: Submit three (3) days before starting work copy of Respiratory Protection Program which is in compliance with ANSI Z88.2-1980, OSHA 29 CFR 1910 and 1926, Cal/OSHA Title 8 Section 1532.1. Contractor shall submit statement from examining physician that each employee is fit to wear a respirator in accordance with 8 CCR 5144 within the last twelve months. Contractor shall also provide documentation showing that all employees have passed respiratory fit tests within the past twelve months. Contractor shall use only workers medically qualified and trained for lead work and respirator usage.

D. **OSHA Lead Compliance Plan**: Submit a detailed plan of the procedures proposed in order to comply with the requirements of 29 CFR 1926.62 and Cal/OSHA Title 8 Section 1532.1. Include in the plan all components required under the standard.

E. **OSHA Lead-Work Pre-Job Notification**: The contractor shall provide written notification to the nearest Cal/OSHA Division District Office one day before the start of the project. Provide a copy of this notification to the Environmental Consultant.

F. **San Francisco Bay Area Lead-Work Pre-Job Notification**: The contractor shall provide written notification to the BAAQMD Bay Area Air Quality Management District prior to the start of the project. Provide a copy of this notification to the Environmental Consultant.

G. **Hazard Communication Program**: Submit three (3) days before starting work a copy of the Hazard Communication Program which is in compliance with 29...
Hazardous Waste Management Plan: Submit three (3) days before starting work a copy of Hazardous Waste Management plan which is in compliance with federal, state, and local hazardous waste regulations and addresses:

1. Identification of hazardous wastes associated with the work.

2. Estimated quantities of wastes to be generated and disposed of.

3. Names and qualifications of each contractor that will be transporting, storing, treating, and disposing of the wastes. Include the facility location and a 24-hour point of contact. Furnish two (2) copies of EPA, state, and local permit applications, permits, and EPA Identification numbers.

4. Names and qualifications (experience and training) of personnel who will be working on-site with hazardous wastes.

5. List of waste handling equipment to be used in performing the work, to include cleaning, volume reduction, and transport equipment.

6. Spill prevention, containment, and cleanup contingency measures to be implemented.

7. The Contractor shall submit name, address, and telephone number of landfill or landfills and transporter to the Owner for approval, prior to disposal. This includes those landfills used for waste categories determined to be non-hazardous.

I. Waste Disposal Records:

1. A written record of receipts with certified weight for disposal of materials containing lead and lead based paint contaminated items shall be furnished to the Owner within forty eight (48) hours after disposal has taken place.

2. Provide a schedule showing date, amount, type of material and location disposed of within five (5) working days of disposal.

1.7 ENVIRONMENTAL CONSULTANT

A. The Owner has authorized Skyline Engineering to be the Environmental
Consultant for the project. Skyline will advise the Owner on all matters relating to the work performed involving the lead removal in accordance with these specifications. Skyline will provide the following site visits and monitoring services including, but not limited to:

1. Visual observations to verify Contractor's compliance with the specifications, as well as applicable regulations, regarding hazard control measures, and related decontamination procedures. The Environmental Consultant will have complete access to all lead work areas during the project in order to perform these site visits.

2. Visual inspections for lead contamination to determine whether Contractor has successfully completed clean up and met the project decontamination criteria. The Environmental Consultant will be notified by the Contractor one day prior to the need for final inspection.

3. Interpretation of technical sections of the contract documents, and coordination with the Owner and Contractor for enforcement of regulatory and contractual conformance, including stop work issues.

4. Stop work orders will be made jointly by the Environmental Consultant and the Owner under the following instances including but not limited to:
   a. Nonconformance with these specifications.
   b. A health hazard or safety risk exists to the workers, Owner's employees, Environmental Consultant, or the public.

B. The cost of the Environmental Consultant will generally be the responsibility of the Owner except under special circumstances. The Contractor shall be responsible for the cost of the Environmental Consultant for services performed when: a) The Contractor's Work Area fails final clearance inspection; or b) additional workdays or workday hours (overtime) are required by the Contractor; or c) The Contractor exceeds the allowable time frame for completion; or d) additional services associated with response to an uncontrolled, unauthorized release to the environment as a result of the Contractor's performance of the work.

1.8 CONTRACTOR QUALIFICATIONS

A. General Superintendent: Provide a General Superintendent whenever
Contractor’s personnel are on site who is experienced in administration and supervision of lead removal projects including work practices, protective measures for building and personnel, disposal procedures, etc. This person is the Contractor’s representative responsible for compliance with all applicable federal, state and local regulations, particularly those relating to lead-containing materials.

Experience and Training: The General Superintendent and all workers must have completed lead training in accordance with 8 CCR 1532.1 and have had on-the-job training in lead removal procedures. Submit documentation for each worker per section 1.6.

B. Contractor shall use only workers medically qualified and trained for lead work and respirator usage.

1. The minimum acceptable training course duration is basic lead awareness training in accordance with 8 CCR 1532.1. Should the initial exposure assessment determine lead exposures exceeding the Action Level limit of 30ug/m$^3$, the lead training must consist of eight (8) hours for each worker. Should the initial exposure assessment determine lead exposures exceeding the permissible exposure limit of 50ug/m$^3$, the lead training must consist of thirty-two (32) hours for each worker, as specified by the CDPH. All training shall comply with 8 CCR 1532.1 (Cal/OSHA Lead in Construction Standard).

2. Contractor shall submit documentation that all employees engaged in removal activities have had the appropriate medical examinations within the prescribed time periods immediately preceding project start-up. Documentation shall include, but is not limited to, baseline blood lead levels performed in accordance with 8 CCR 1532.1 (Cal/OSHA Lead in Construction Standard).

3. Contractor shall submit statement from examining physician that each employee is fit to wear a respirator in accordance with 8 CCR 5144 within the last twelve months.

4. Documentation that all employees have passed respiratory fit tests within the past six months.

5. The Contractor will provide a copy of their lead compliance program specific for this project, as specified in 8 CCR 1532.1 and indicated in Section 1.5 -- Submittals, above.
PART 2 PRODUCTS

2.1 PROTECTIVE COVERING

A. Polyethylene sheets, of 6 mil thickness, in dimensions of adequate width to minimize frequency of joints. Polyethylene sheeting shall be flame retardant.

2.2 TAPE

A. Duct tape, two inches or wider, capable of sealing joints of adjacent sheets of plastic sheeting or for attachment of plastic sheeting to finished or unfinished surfaces.

2.3 DISPOSAL CONTAINERS

A. Provide non-opaque 6-mil thick polyethylene sheeting, non-opaque 6 mil leak-tight polyethylene bags and other impervious containers as required by applicable regulations. All waste shall be labeled as potentially hazardous waste unless proven otherwise by appropriate sampling and laboratory analysis.

B. All hazardous waste shipping containers shall meet applicable DOT requirements.

C. Spray adhesive used to seal the polyethylene bags shall not contain methylene chloride compounds.

2.4 WARNING SIGNS AND LABELS

A. Caution signs, in accordance with 8 CCR 1532.2, are to be a minimum of 14 x 20 inches and include phrase "CAUTION - LEAD HAZARD - KEEP OUT UNLESS AUTHORIZED" in lettering at least 2" in height. These signs shall be posted at each approach to the work area.

B. Cal/OSHA Lead Warning Posters: "WARNING -- LEAD WORK AREA-- NO SMOKING OR EATING" shall be posted at the entrance to each work area.

C. Hazardous waste labels in accordance with federal, state and local regulations, including, but not limited to the California Code of Regulations, Title 22 Chapter 30 and the U.S. Department of Transportation 49 CFR Parts 172, 173, 178 and 179.
2.5 PERSONAL PROTECTIVE EQUIPMENT

A. Workers shall wear full body disposable suits with hoods and separate booties, tape around ankles, wrists, under arms and neck. Suits will be worn inside the work area after the area passes pre-removal inspection and shall remain in use until the area passes final clearance inspection.

B. Goggles with side shields will be worn when working with a material that may splash or fragment, or if protective eye wear is specified on the Material Safety Data Sheets (MSDS) for that product.

C. Additional respiratory protection by supplemental filters, such as organic vapor cartridges, may be needed when handling some coating products. Consult the MSDS and obtain the proper filters as necessary. The following guideline indicates types of respirators appropriate for adequate protection against varying lead exposures:
## RESPIRATORY PROTECTION FACTORS ASSOCIATED WITH LEAD EXPOSURE OPERATIONS

<table>
<thead>
<tr>
<th>Respirator Type</th>
<th>Protection Factor</th>
<th>Airborne Concentration of Lead</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air purifying, negative pressure respirator, half-face, HEPA filter</td>
<td>10</td>
<td>Not in excess of 500 ug/m³</td>
</tr>
<tr>
<td>Air purifying, negative Pressure respirator, full-face, HEPA filter</td>
<td>50</td>
<td>Not in excess of 2,500 ug/m³</td>
</tr>
<tr>
<td>Powered-air purifying Positive pressure respirator full or half-face, HEPA</td>
<td>50</td>
<td>Not in excess of 2,500 ug/m³</td>
</tr>
<tr>
<td>Type C supplied air Positive pressure respirator Continuous flow mode half-face</td>
<td>1000</td>
<td>Not in excess of 50,000 ug/m³</td>
</tr>
<tr>
<td>Type C supplied air Positive pressure respirator Pressure demand mode full facepiece</td>
<td>2000</td>
<td>Not in excess of 100,000 ug/m³</td>
</tr>
<tr>
<td>Type C supplied air Positive pressure respirator Pressure demand mode full facepiece, equipped with auxiliary positive pressure self contained breathing apparatus (SCBA)</td>
<td>over 2000</td>
<td>Greater than 100,000 ug/m³</td>
</tr>
<tr>
<td>Self contained breathing Apparatus (SCBA) positive Pressure demand mode full facepiece</td>
<td>over 2000</td>
<td>Greater than 100,000 ug/m³</td>
</tr>
</tbody>
</table>

D. In addition, all Cal/OSHA requirements, such as hard hats, hearing protection, etc. are required.
2.6 TOOLS AND EQUIPMENT

A. Provide suitable tools for the decontamination and removal of lead containing paint including required HEPA vacuums and exhaust units, airless sprayers, ground fault interrupters, hand tools, wipes, ladders, and scaffolds. Mechanical abrasion tools shall be equipped with local HEPA exhaust and subject to approval by the Environmental Consultant. All tools and equipment brought on site shall be clean and free of contamination from lead and other hazardous materials. HEPA filtered equipment shall be labeled with a warning label and dedicated to lead based paintwork to prevent combining hazardous wastes of differing characteristics.

B. Provide adequate support equipment, including, but not limited to lumber, hardware, hand washing facilities, sprayers, hoses, miscellaneous collection devices, and secured holding facilities.

PART 3 EXECUTION

3.1 GENERAL

A. The purpose of the Lead in Construction Standard is to provide a level of protection to workers exposed to lead in construction equivalent to that afforded other lead workers under OSHA’s general industry standard 29 CFR 1910.1025. The interim final lead standard for the construction industry applies to all occupational exposure to lead in all construction work in which lead, in any amount, is present in an occupationally related context. Some of the components subject to repair or renovation have been determined to be coated with paint containing some amount of lead – some components are solid lead. As a result, these coated components repair or renovation – and the removal of the solid lead components - will be performed in accordance with the following work practices.

3.2 WORKER SAFETY/DECONTAMINATION PROCEDURES

A. The contractor shall employ only workers medically qualified and trained for lead work and respirator usage.

1. Medically qualified shall mean that the worker has had an occupational medical exam for lead exposure and respirator use within the last 12 months, in accordance with 29 CFR 1926.62, and shall have had a blood lead test within the last 6 months.

2. Each lead worker shall have completed documented training in lead
3. The Contractor shall assure that no worker is permitted to perform lead removal work until the Environmental Consultant has received and approved all of that worker's medical, training, and respirator fit test certifications.

B. The Contractor shall perform an initial exposure assessment in accordance with 8 CCR 1532.1. This includes, but is not limited to, collecting personal air samples to determine the employee's actual exposure to lead dust during construction activities. Personal samples will be collected by the contractor pursuant to OSHA regulations. Each task performed will be monitored at a flow rate of 1-4 liters per minute on MCE 37mm 0.8 um pore size cassettes. A minimum of one lab blank will be submitted with each set of samples.

C. Each worker, upon entering the job location, shall proceed to the designated clean room/area and don, at a minimum, a half-mask, negative pressure respirator equipped with HEPA filters, and disposable, full-body, tyvek suit, before entering the Work Area. The above PPE must be worn during all phases of the component removal process. Personal protective equipment (PPE) must be worn for the duration of this project, or until the initial exposure assessment indicates that exposure to lead dust during these activities will not exceed the action level (30ug/m³).

D. Prior to component removal, Contractor shall post lead warning signs at all entrances to the work area. These lead warning signs will be in compliance with the Cal/OSHA Lead in Construction Standard (8 CCR 1532.1).

E. All disposable clothing worn in each work shift shall be removed prior to exiting the Work Area and shall be properly segregated and placed in containers for non-hazardous disposal.

F. All tools and equipment shall be decontaminated by HEPA vacuuming and/or wet wiping prior to being taken out of the Work Area.

G. Workers shall not eat, drink, smoke, or chew gum or tobacco at the work site.

H. Each worker shall have a final medical blood lead laboratory test within one week of job completion and before engaging in other lead related work.

3.3 GENERAL REMOVAL PROCEDURES
A. Any LCM disturbed by this reroofing project: The procedure for accomplishing this is outlined below:

1. Do not begin work under excessively windy conditions. If the paint chips/dust that will be created by this procedure may become airborne, do not begin work.
2. Post warning signs as stated in Section 3.02. In addition, cordon off Work Area a minimum of 20 feet from the area of removal.
3. Ventilation, heating or air conditioning air intake sources must be disabled and covered prior to material disruption.
4. The wrapping and bagging of the hazardous material must be done at roof level if located on the roof. The secured material must then be lowered by hand down to ground level – not dropped or thrown.
5. Place one (1) layer of 6-mil polyethylene sheeting on the ground and surrounding areas of the LCM, directly around the structure to be prepped or removed. The sheeting shall extend a minimum of 15 feet from the edge of the building out (10 feet on the roof) in order to prevent any contamination of the ground or surrounding area.
6. Don appropriate PPE as stated in Section 3.2.
7. If necessary, if dust or paint chips may be generated by the specific job, constantly mist the material with amended water so as to minimize the dust levels. Have a HEPA vacuum readily accessible to clean up loose debris.
8. Carefully wrap removed debris in poly sheeting and seal with tape. All other removed parts place and seal in 6mil waste bags. Store this material in a secure area until waste characterization is performed.
9. If paint chips/dust, etc. have been created, clean area using HEPA vacuum and place poly sheeting in 6mil waste bags for waste characterization.

3.4 INSPECTION PROCEDURE/WORK AREA CLEARANCE

A. A visual inspection will be performed following the lead removal in order to determine the presence of any remaining lead containing debris.

B. If the Work Area is not visibly clean or if the Environmental Consultant deems the Work Area not clean, the Contractor will re-clean using HEPA vacuums and TSP solution.

C. The contractor shall be released only after all areas have been cleared according to the above criteria and accepted by the Owner.

3.5 WASTE STORAGE AND CHARACTERIZATION
A. The Contractor shall provide for secure on-site storage of lead containing paint related waste. Waste storage location, equipment, containers and methods shall be in compliance with the requirements of 40 CFR 262 and 265 and California Code of Regulations Title 22, and are subject to prior approval by the Owner and/or the Environmental Consultant.

B. Construction materials removed from each Work Area must be evaluated to determine waste characteristics prior to disposal.

C. Removed intact lead coated components shall be properly segregated, wrapped in 6-mil polyethylene sheeting, labeled and securely sealed with duct tape.

D. Each lead containing paint related waste (chips, dust, etc.) produced shall be placed in properly segregated, labeled and sealed containers.

E. All waste containers and packaged waste shall be stored in a designated, secure waste storage area and labeled "PENDING ANALYSIS" with the following information:

1. Waste Category (Chip/Dust and Removed Components)
2. Date Accumulated
3. Name and Address of associated Building
4. Origin of Waste

F. All waste shall be considered hazardous until waste characterization has been performed under the California Code of Regulations, Title 22, including using one or more of the following testing procedures:

1. Total Threshold Limit Concentration (TTLC)
2. Waste Extraction Test (WET)
3. Toxicity Characteristic Leaching Procedure (TCLP)

G. All waste shall remain stored in secured waste storage areas until results of waste characterization are available. Due to analytical methods of these tests, this may require storage for up to seven working days. Based on the testing protocols, any waste containing greater than or equal to 5ppm lead using WET or TCLP tests or any waste containing greater than or equal to 1000ppm using the TTLC test shall be considered a hazardous waste.

H. A minimum of four (4) representative samples will be collected from each category of waste generated.
I. The Contractor is responsible for conducting and all costs associated with waste characterization testing.

3.6 WASTE DISPOSAL

A. The Contractor is responsible for all costs associated with transportation and disposal of all waste, hazardous and non-hazardous. Contractor will submit a base bid which will include disposal of all waste as non-hazardous and an alternate bid for the disposal of any waste determined to be hazardous.

B. The Contractor shall submit name, address, and telephone number of landfill or landfills and transporter to the Owner for approval prior to disposal. This includes those landfills used for waste categories determined to be non-hazardous.

C. The Contractor shall arrange for all hazardous waste to be transported from the site in accordance with the requirements of 40 CFR 263 and 264, and disposed of properly in accordance with 40 CFR 268, 49 CFR Parts 172, 173, 178, and 179 and California Code of Regulations Title 22.

D. The Contractor shall prepare hazardous waste shipping manifests for review by the Owner. The manifests shall be signed by the Owner and copies retained by the Owner.

E. Copies of the landfill weight tickets shall be provided to the Owner immediately upon receipt in order to verify the amount of waste disposed of at the site.

3.7 STOP WORK ORDERS

A. The Owner and/or the Environmental Consultant has the authority to stop work if it is determined that conditions or procedures are not in compliance with the Work Plan and/or applicable regulations; the Contractor is deficient in providing required submittals; the waste is not securely stored; or a potential release of lead dust to outside the Work Area is imminent based on the Owner’s and/or the Environmental Consultant’s judgment.

B. The work stoppage shall remain in effect until conditions have been corrected and corrective measures have been taken to the satisfaction of the Owner’s and/or the Environmental Consultant.

-END OF SECTION-
SECTION 07 15 00
SHEET METAL WATERPROOFING

PART 1 – GENERAL

1.01 SCOPE OF WORK:
   A. The Work required under this section consists of all shop and field fabricated sheet metal flashing and trim and related items necessary and required to complete the Work as indicated in this specification.
   B. Contractor shall provide all items, articles, materials, operations or methods specified herein, including all labor, materials, equipment, and incidentals necessary and required for completion of the work.
   C. Protect dissimilar metals by installing barrier sheets between them. Install barriers between metals where there is more than 0.15 V difference in the Anodic Index.
   D. Sheet metal work shall include the following:
      1. Coated metal edges at perimeter parapet walls.
      2. Skirt counter-flashings to be installed at equipment curbs and any location requiring an extension of the existing counter-flashing. These shall be Kynar coated as specified.
      3. Coated metal flashings installed where membrane and metal come into contact.

1.02 REFERENCES:
   A. American Society for Testing and Materials (ASTM) Standards.

1.03 QUALITY ASSURANCE:
   A. Installer: All work of this Section must be performed by a licensed sheet metal contractor with five years of successful experience with installation of sheet metal flashing and trim similar in type and scope to project requirements.
1.04 TECHNICAL SUBMITTALS

A. Submittal requirements: Contractor shall highlight anything in the submittal package that conflicts with or changes specifications or drawings. Include a reason for the change. Any submittals that alter existing specifications or drawings shall be approved by the engineer and owner prior to implementation.

B. The following submittals are to be made in conjunction with any other submittal requirements set forth in the bid documents.

C. The contractor shall submit the following upon request of the owner or engineer:

1. Manufacturer specification data sheets. Submit for the following products:
   a. Specified sheet metal.
   b. Any other product used as part of this section.

2. Manufacturer literature describing the installation procedure of the specified system.

3. Shop drawings of any details that may be different than the NRCA or SMACNA standard details included in these specifications. This includes manufacturer detail drawings that may be different than NRCA or SMACNA drawings. All flashing detail designs shall be approved by the Owner.

4. Material safety data sheets for all products used under this section.

1.05 WARRANTY & GUARANTEE

A. For all work performed under this section, the Roofing Contractor shall furnish to the Owner a five (5) year guarantee against labor and/or material leaks AND defects for all labor and materials installed under this contract. This guarantee shall also cover any and all labor and materials necessary to repair or replace any materials that are damaged or deteriorated as a result of material and/or improper or inadequate workmanship.

B. Kynar coated new gutter systems: The Kynar Materials Manufacturer shall provide a standard warranty covering material deficiencies for at least a period of ten (10) years from the date of acceptance by the Owner. This written warranty will be provided by the material manufacturer and will cover material for at least ten (10) years without a cost to the Owner.
PART 2 - PRODUCTS

2.01 SHEET STEEL FOR SKIRT COUNTERFLASHINGS
   A. Kynar coated metal: 70% Kynar Coated Galvalume. Color approved by owner. 24 gage (0.0239 inch), unless otherwise shown on the drawings or specified herein.

2.02 COATED SHEET METAL
   A. Sheet metal that must be tied into single ply systems such as metal edging and drain flanges may be provided by the manufacturer of the single ply system being used.

2.03 FASTENERS:
   A. Nails: Shall be hot-dipped, galvanized. All nails shall be approved type and selected for their intended use.
   B. Screws: Minimum No. 8 size screw with watertight neoprene washers under screw head where exposed shall be used for the fastening of sheet metal into wood nailers. Self-tapping, #3 sheet metal screws of ½” length shall be used for the fastening of sheet metal to sheet metal. All screws shall be of corrosion resistant metal of same material as the material being fastened. All exposed fasteners shall have 5/8” steel/neoprene washers under head.

2.04 ACCESSORY MATERIALS:
   A. Sealant: Elastomeric sealant shall be a low modulus, high performance, one part polyurethane type conforming to Federal Specifications No. TT-S-00230C, Type II, Class A, such as Sonolastic NP-1 by Sonneborn Building Products, Sikaflex-15LM or approved equal.
PART 3 - EXECUTION

3.01 EXAMINATION:
   A. Examine substrates and conditions under which products of this section are to be installed and verify that work may properly commence. Do not proceed with the Work until unsatisfactory conditions have been fully resolved.
   B. Verify that nailers, blocking, and other attachment provisions for sheet metal work are properly located and securely fastened to resist effects of wind and thermal stresses.

3.02 PREPARATION:
   A. Verify shapes and dimensions of surfaces to be covered before fabricating sheet metal.
   B. Verify that surfaces to receive sheet metal are smooth, clean of all foreign matter, and have no water present in any form.

3.03 SHEET METAL INSTALLATION:
   A. Sheet metal work shall be executed in a first-class, workmanlike manner in accordance with standard shop practices. Comply with sheet metal manufacturer's installation methods and recommendations in the SMACNA "Architectural Sheet Metal Manual”.
   B. The sheet metal work shall be accurately formed to dimensions and shapes detailed or required. Broken shapes shall finish with true, straight, sharp lines, and angles; and where intersecting, shall be coped to a precise fit and be securely soldered and scraped smooth. Lock seam work shall be made flat and true to line, sweated full of solder.
   C. All sheet work shall be so formed and installed as to provide suitable allowance for expansion and contraction without causing undue stresses in any part of the completed work and shall finish water and weather tight throughout. Provide movement joints at maximum spacing of ten feet. No joints within 2 feet of corner or intersection.
   D. Mechanically fasten and seal all joints, splices and transitions that are not designed for expansion. Fasten metal by solid riveting or forming double lock seams.
   E. Use elastomeric sealant where necessary to make a watertight installation.
   F. Form a ½ - inch hem on the underside of all exposed edges.
   G. Fabricate cleats and attachment devices from same material as sheet metal component being anchored or from compatible, noncorrosive metal
recommended by sheet metal manufacturer. The gage thickness shall be as recommended by SMACNA for application but in no case less than gage of metal being secured.

H. Heat weldable coated metal flashings provided by single ply manufacturer such as edges and flanges shall be installed in accordance with manufacturer guidelines. Coated metal shall be used for all metal that needs to be sealed into the single ply membrane including but not limited to metal edges and scuppers.

3.04 PAINTING:

All surfaces of exterior sheet metal work (except exposed ducting that is to be waterproofed) that will be exposed after installation shall be thoroughly cleaned with an acid wash and shall be primed and painted to match existing building finish on adjacent sheet metal surfaces. Refer to Section 09 91 13 – Exterior Painting.

3.05 INSPECTION:

Before completing the work, owner shall carefully examine, and if necessary, test all sheet metal work and equipment specified herein, and Contractor shall make all repairs to the work if damaged, leaving it in a condition satisfactory of the owner.

3.06 CLEAN UP:

All debris and/or rubbish resulting from the operations of this Work shall be cleaned up and removed from the work site as the work progresses. Contractor shall be responsible for removal of refuse by all subcontractors working under its direction.

END OF SECTION
SECTION 07 54 00
THERMOPLASTIC MEMBRANE ROOFING

PART 1 – GENERAL

1.01 SCOPE OF WORK UNDER THIS SECTION:

A. Provide deck leveling as specified in this section.
B. Provide odor control measures at all air intakes as specified.
C. Install 1” approved isocyanurate insulation and specified cover board. These shall be adhered with approved adhesives to obtain specified wind uplift ratings.
D. Install drainage crickets as specified.
E. Install crickets on the high sides of all curbs and along the drainage edge between primary drains as specified.
F. Adhere specified 80 mil thermoplastic membrane as specified.
G. Install walk pads around serviceable equipment. Include 100 linear feet of walk pads in the base bid for this project.
H. Install pipe hangers at all horizontal pipes and conduits.
I. Perimeter and projection flashings:
   1. Provide all flashing and penetration details in accordance with the detail drawings and manufacturer guidelines as specified in this.
   2. Drawings included with these specifications are not meant to accurately depict substrate conditions. They are meant to provide NRCA guidelines for basic flashing installation according to the system specified.
   3. If a manufacturer standard and required detail differs from that shown on the project detail drawings included in these specifications, contractor shall submit manufacturer approved drawing to the District and Engineer for approval. If the manufacturer requirements for a flashing detail is less stringent than those shown in the project drawings, the more stringent flashing detail shall govern with the approval of the manufacturer providing the warranty for this project.
J. Provide District with a five (5) year contractor guarantee as specified.
K. Provide District with a thirty (30) year no-dollar-limit manufacturer system warranty covering labor and materials.

1.02 QUALITY ASSURANCE
A. Contractor shall:
   1. Be experienced in single ply roofing.
   2. Be certified or approved for the installation of proposed manufacturer's warranted roofing systems.

1.03 SYSTEM REQUIREMENTS

A. Roofing system shall comply with the 2013 California Building Code.

B. All materials shall comply with section 5.504 of the 2013 California Building Code. This requirement shall apply regardless of the products listed in these specifications. It is the responsibility of the contractor and manufacturer to comply with this requirement.

C. FIRE RATING - UL Class A: Proposed roofing system must have approvals from Underwriters Laboratories that indicate that the existing fire ratings attain a UL Class A assembly.

D. WIND UPLIFT: Any of the following.
   1. Factory Mutual: FM 4450, FM 4470 design standard for wind uplift is acceptable for this project.
   2. Underwriter’s Laboratory: UL 580 or UL 1897.
   3. ASCE 7-05 Wind Design loads.


F. The new roof system shall comply with all mandatory requirements under The California Green Building Standards as listed under Title 24 Part 11.

1.04 TECHNICAL SUBMITTALS

A. Submittal requirements: Contractor shall highlight anything in the submittal package that conflicts with or changes specifications or drawings. Include a reason for the change. Any submittals that alter existing specifications or drawings shall be approved by the engineer and District prior to implementation.

B. The following submittals are to be made in conjunction with any other submittal requirements set forth in the bid documents.

C. The contractor shall submit the following upon request of the District or engineer:
   1. Manufacturer specification data sheets. Submit for the following products:
a. Roof assembly.
b. Single ply membrane.
c. Adhesives.
d. Walk pads (must be approved by District).
e. Any other product used on this project.

2. Manufacturer literature describing the installation procedure of the specified system.

3. Sample warranty from manufacturer and contractor.

4. Letter from manufacturer approving these specifications and drawings. Any changes in plans or specs to meet manufacturer requirements shall be submitted and highlighted. If manufacturer requirements conflict with these specifications or drawings, more stringent requirements will apply.

5. Shop drawings of any details that may be different than the NRCA standard details included in these specifications. This includes manufacturer detail drawings that may be different than NRCA drawings. All flashing detail designs shall be approved by the District.


7. Test reports:
   b. Written verification from roofing material supplier that roofing system meets or exceeds regulatory agency/s requirements. A photocopy of the UL Class "A" listing for the specified system with the proposed manufacturer as listed in the most recent UL Building Materials Directory. The Components of the system listed as UL Class "A" must match the system specified for each respective building.
   c. Wind uplift rating. Submit any of the following:
      • Factory Mutual I-60. FM listing is not required, but an FM design standard for wind uplift is acceptable for this project. Submit calculations for wind ratings for FM 1-60 for the specific building AND a letter or documentation from the manufacturer that roof attachment meets or exceeds these requirements.
      • UL Class 60 wind uplift rating. Submit a letter or documentation from the manufacturer that roof attachment meets or exceeds this
requirements.

- ASCE 7-05 Wind Design loads as calculated by the manufacturer for this specific project. Submit calculations for wind ratings using ASCE 7 for the specific building AND a letter or documentation from the manufacturer that roof attachment meets or exceeds these requirements.

1.05 SUBMITTALS OF RFI's (Requests for Information)

A. Refer to Section 3.07 of this specification for explanations of the procedures surrounding flashing design changes.

B. RFI’s for design clarifications shall be submitted prior to bid opening. If an RFI for the design of a flashing is submitted after the bid opening, contractor may be liable for compensating the District and engineer for time spent responding.

C. RFI’s can only be made after the bid opening if as a result of removing the existing roofing/flashing an unforeseen condition arises that affects the flashing design or the manufacturer required design.

D. It is the responsibility of the contractor to carefully review specifications and drawings prior to bidding. If conflicts are found between drawings and specifications (and between manufacturer requirements), submit an RFI prior to bidding. After the bid opening, it will be assumed that the contractor has reviewed the drawings and specifications and has bid the more stringent requirement. At this point, no change orders will be given for such discrepancies.

1.06 WARRANTY & GUARANTEE

A. Warranty: The Roofing Manufacturer shall provide a full system no dollar limit (NDL) warranty covering the roofing system against labor and/or material deficiencies for a minimum period of thirty (30) years from the date of acceptance by the District. This shall be a continuous warranty without the need for renewing. Manufacturer may require inspections throughout the warranty period, but any costs associated must be included in this initial contract.

B. Contractor Warranty: Upon project completion and District acceptance, effective upon complete payment, Contractor shall issue District a warranty against defective workmanship and materials for a period of five (5) years. This warranty shall cover all aspects of the project as specified. It shall not be limited to leaks, but include any and all defects that may become apparent during the warranty period.
PART 2 – MATERIALS

2.01 GENERAL:

A. All materials used on this project shall be new products.
B. Any materials that are seconds, out of date, or used, shall be removed from the job site.
C. Single ply membrane shall be white with a Cool Roof and Energy Star rating.
D. FIRE RATING: UL Class A: Proposed roofing system must have approvals from Underwriters Laboratories that indicate that the existing fire ratings attain a UL Class A assembly.
E. WIND UPLIFT: The system shall attain a Factory Mutual I-60 or UL Class 60 wind uplift rating. FM listing is not required, but an FM design standard is adequate for this project.

2.02 RELATED MATERIALS:

A. TAPERED INSULATION for cricket enhancement: Isocyanurate as approved by membrane manufacturer.
B. FLAT STOCK INSULATION: Isocyanurate 1” thickness as approved by membrane manufacturer.
C. COVERBOARD:
   1. USG Securerock,
   2. Densdeck Prime ¼”
   3. or approved equal.
   4. Note: Wood fiber or perlite coverboard is not acceptable for this project even if it is approved by the manufacturer.
D. COATED METAL FLASHINGS: All coated metal flashing shall be supplied by the manufacturer and covered under the warranty.
E. BASE FLASHINGS: Must be approved by the manufacturer for the specified warranty.
F. ADHESIVES: Shall be approved by the membrane manufacturer. Adhesives shall be voc compliant.
G. WALK PADS: Shall be furnished by the membrane manufacturer. Walk treads shall be of the highest quality provided by the manufacturer. Samples of the walk treads shall be provided to the District for approval.
H. FASTENERS AND STRESS PLATES: Shall be a non-corrosive type approved by the membrane manufacturer.

I. CAULK: Shall be a high-grade silicone or urethane as recommended by a membrane manufacturer.

J. POND PATCH: Shall be approved by the manufacturer providing the membrane for this project.

K. Pipe hangers: Cooper B-line, PHP or approved equal. Provide support unit appropriate for pipes being supported in accordance with manufacturer recommendations.

2.03 PRE-APPROVED ROOFING SYSTEMS/MANUFACTURERS:

Note: When systems are fully adhered, use fleece backed membrane only. Check with manufacturer for specification/warranty compliance prior to bidding. Some listed manufacturers may not provide warranty as specified.

A. PVC Thermoplastic Membrane 80 mils minimum fleeceback
   1. Sarnafil G410
   2. Manville Specification SPPU
   3. Carlisle Sure-Flex
   4. IB

B. TPO Thermoplastic Membrane 80 mils minimum fleeceback
   1. Firestone UltraPly
   2. Johns Manville. Specification STPU
   3. Carlisle Sure-Weld
   4. GAF Everguard
   5. Tremco
PART 3 – EXECUTION

3.01 GENERAL

A. It is the responsibility of the contractor to ensure that all requirements for the specified 30 year NDL warranty are accomplished and included in the bid for this project. No change orders will be approved for non-specified details, techniques, materials or procedures in order to obtain this warranty. If major problems or challenges are noted with regards to these requirements, the contractor shall notify the District prior to the bid opening.

B. When using adhesives for membrane or flashings, contractor shall follow manufacturer’s guidelines for installation during particular weather conditions. High humidity and/or low temperatures can adversely affect adhesives, especially low VOC and water based adhesives. Contractor shall take care on a daily basis to ensure that the use of these adhesives is restricted to weather conditions that are acceptable to the manufacturer.

C. Difficult areas of roofing:

1. It is not the intention of this specification to provide means or methods of roof installation. However, means and methods of roof installation must adhere to industry and manufacturer standards and shall have the approval of the District and engineer.

2. Unusual, unorthodox, or dangerous methods of roof removal or installation shall be reported to and approved by the District prior to execution.

3. If rooftop equipment or any other building component needs to be modified or moved in order to properly install the roofing system, it will be the responsibility of the contractor to perform the work under the base bid for this project without change order request. Contractor shall obtain permission from the District prior to bid opening for any equipment or building component modification. Any damage that is incurred to the equipment or building component as a result of movement or modification shall be repaired or replaced by the contractor at no cost to the District.

D. Perimeter and projection flashings: Please refer to section 3.06 of these specifications for specific instructions regarding flashings.

3.02 SURFACE PREPARATION:

A. Remove designated roof membrane and flashings down to the deck as specified in section 02 41 19.13.

B. Prior to installation of insulation, coordinate with District representative for
inspection of the substrate.

C. Deck deflection:
   1. Check decking for deflection using a string-line.
   2. Modify decking in order to eliminate deflected areas that may cause ponding. Decking can be leveled using a manufacturer approved filler such as Pond Patch or by using insulation board.
   3. If decking is significantly deflected, notify District and engineer immediately because this could be an indication of roof deck damage.

D. Ensure that the substrate is dry and free of dirt, debris, and other foreign matter prior to the installation of new materials.

3.03 ODOR CONTROL

1. Contractor shall take the following steps to ensure that odor does not penetrate into work space during installation of roofing system:
   1. Provide charcoal filters over air intakes.
   2. Provide duct extensions or diverters when working near air intakes. Intake diverters may be flex hosing or plywood structures.
   3. Work with the building occupants to coordinate work around air intake units. In some cases it may be possible to re-circulate or shut air intake system down.

2. The contractor is ultimately responsible for odor control as part of the contract. The District and roof consultant shall determine if contractor has provided adequate odor control measures.

3.04 INSTALLATION OF NAILERS:

A. Install nailers as required by the manufacturer in accordance with section 06 10 00 Rough Carpentry.

3.05 INSTALLATION OF CRICKETS, INSULATION AND COVERBOARD:

A. Crickets: Increase the width of all drainage crickets to meet the following specifications. Half diamond crickets (at walls and behind curbs) shall have a width that equals 1/6th of the length. Full diamond crickets shall have a width of 1/3rd of the length.

B. Install drainage crickets at the high side of all curbs.
C. Install drainage crickets along the perimeter between primary drains.

D. Mechanically attach or adhere the specified insulation and coverboard filling all voids greater than 1/4" and staggering all joints. If using fasteners, fasten only into upper flutes. (For applications on metal decks). Fastener length should not penetrate down below the lower flutes because conduits are mounted on the underside of the deck.

E. Sump the insulation at drains 36 inches square from the edge of the drain to provide a positive slope. Drain sump shall have tapered insulation to provide a uniform slope down to the drain.

F. Stagger all joints between layers.

G. Cut insulation to fit snugly around all penetrations. Fill any voids greater than 1/4” with like material.

H. SPECIAL NOTE: At this time the contractor shall put a string line on the completed insulation in order to determine if there are any low areas that will cause ponding water. Variations greater than ½” shall be treated with filler material (pond patch) or additional insulation. Be careful to check drainage valleys at all crickets. These are areas most susceptible to ponding water.

3.06 INSTALLATION OF MEMBRANE:

A. Install perimeter sheets using approved adhesive in accordance with manufacturer's requirements.

B. Follow manufacturer recommendations for the installation of perimeter or membrane venting.

C. Inspect the membrane for factory defects or shipping damage. Defective and/or damaged membrane will be rejected. (Note: No more than ten (10) patches per sheet.)

D. Position field sheets so that side laps are single lapped with the slope and in accordance with the manufacturer's recommendation.

E. Fully adhered membrane: Adhere the membrane using approved adhesive in accordance with the manufacturer's requirements to satisfy specified wind uplift requirements.

F. Mechanically attached membrane: Mechanically attach membrane using approved fasteners in order to obtain specified wind ratings.

G. Prevent wrinkling of membrane as much as possible. (If excessive wrinkling occurs, the Consultant may require the contractor to tack-weld the lap seams and then complete the entire weld.)
H. Set the seam welder to the manufacturer's required setting. Make a test run and check the seam for proper welds. (All test runs shall be performed on a daily basis.

I. Probe seams daily and repair loose edges, fish-mouths, and other defects the same day.

J. Insure that all welding is performed by qualified personnel.

K. The seam welder shall be powered by a dedicated power supply so as to ensure proper, adequate, and uniform voltage for sufficient seaming procedures. Also, the welder shall be equipped with voltage regulator cut-off features such as infrared sensors and other similar devices to insure consistent voltage, thereby reducing the possibility of cold or inadequate welds. The extension cord to welding units from power supply shall not exceed one (1) cord of 100 feet in length.

3.07 FLASHINGS

A. General flashing requirements:

1. Elastomeric Flashing:
   a. Adhere elastomeric sheeting completely to flashing surface, cant, and roofing with Flashing Adhesive. Embed flashing into adhesive immediately.
   b. Ensure complete bond and continuity without wrinkles or voids.
   c. Any equipment that will not have curb heights of 8" above the final roof surface shall be extended or raised. If the proposed roofing system manufacturer will accept curb heights less than 8", contractor shall submit request in writing (from manufacturer) to District and engineer to withdraw this requirement. If a particular piece of equipment is impossible or not financially feasible to lift, raise or extend, contractor shall notify the engineer prior to the bid date for direction.

B. Install flashings in accordance with detail drawings and manufacturer guidelines. Details depicted in the drawings shall also conform with manufacturer guidelines. Where conflict exists, the more stringent detail shall govern. If conflict exists between depicted drawings and manufacturer guidelines, the following process shall apply:

1. Manufacturer shall inspect the detail and provide a recommended flashing design to the contractor and engineer.

2. Contractor shall install the flashing only after it has been approved by the engineer and District.
3. There shall be no additional charges for this proposed detail. It is the responsibility of the contractor to ensure that all manufacturer guidelines are accounted for in the base bid for this project.

C. ANY DETAIL NOT COVERED IN THESE SPECIFICATIONS SHALL BE INSTALLED IN ACCORDANCE WITH GOOD ROOFING PRACTICE, N.R.C.A. RECOMMENDATIONS AND HAVE THE APPROVAL OF THE MANUFACTURER PROVIDING THE WARRANTY FOR THE ROOFING SYSTEM. If a detail is not covered in these specifications the following process will take place prior to bid opening:

1. Contact manufacturer responsible for flashing guarantee. Manufacturer shall inspect the detail and provide a recommended flashing design to the contractor. OR contractor may bid using the approved manufacturer detail.

2. Contractor shall bid using the manufacturer-approved detail.

3. Contractor shall submit detail drawing to District as part of the submittals.

4. No change order will be given to the contractor for flashing details that were visible prior to construction. It is the responsibility of the contractor to cover in his bid all approved and specified details.

D. Hidden Conditions warranting a change in scope of work or change order:

1. A hidden condition is defined as a condition that is revealed when the existing roof or flashing is removed AND that condition requires additional work above and beyond the work specified. For example, damaged substrate that must be replaced.

2. If after removal of the roof or flashing, the substrate differs from that shown on the drawings, it shall not be considered a hidden condition unless it requires a change in scope of work.

3. If nailers are required by the manufacturer, contractor shall install nailers if not present. If nailers are present, contractor may re-use if nailers are approved by the manufacturer.

3.08 SPECIAL INSTRUCTIONS:

A. Obsolete Penetrations - Verify with District all obsolete penetrations and remove from the roof.

B. Delicate mechanical equipment – All mechanical equipment that is damaged or too delicate to move shall be identified at the pre-bid meeting or prior to bid.

C. Sleepers - All sleepers should run perpendicular with the flow of water. If this is not possible, the sleepers should be boxed in and a diverter placed on the upside to prevent water from ponding. For extremely large sleepers that cannot
be boxed in, contractor shall install tapered insulation between the sleepers in order to evacuate water from underneath the unit.

D. Existing Horizontal Conduits that do not need to be mechanically attached to the roof surface and are less than 1.5” diameter – Install Copper B Line supports or approved equal. Adhere supports to the roof surface using approved sealant or adhesive in order to prevent movement of the lines. Refer to drawing entitled “Copper B Line Support.”

E. Existing Horizontal Pipes that do not need to be mechanically attached to the roof surface for seismic support – Install pipe hanger system in accordance with manufacturer requirements. Carefully support existing lines in order to prevent breakage during installation.

F. Condensate lines – Install Copper B Line supports or approved equal. Adhere supports to the roof surface using approved sealant or adhesive in order to prevent movement of the lines. All condensate lines shall be set in a manner to facilitate drainage. Contractor shall replace or repair damaged or missing condensate lines or lines damaged during roof installation. Contractor shall run condensate lines to nearest drain outlets. Refer to drawing entitled “Copper B Line Support.”

G. Gas lines and electrical lines that need to be attached to the roof surface: Install blocking and attach to the roof deck. Install membrane flashing over blocking. Install another blocking on top of the covered blocking. Install sheet metal pan covering. Attach line to curb with U bracket. U bracket shall be attached to the metal pan and underlying blocking. Do not penetrate the membrane covered blocking. Refer to detail drawing entitled “protected wood sleeper” attached to these specifications.

H. Equipment Legs and Supports - All supports for equipment and like items shall be set on wood blocks with membrane protection pads underneath or rubber pads.

I. Prime and paint all exposed sheet metal flashings in accordance with Section 09 91 13.

J. Existing Galvanized Jacks: All sheet metal roof jacks that house conduits will be removed will incorporate manufacturer approved boot sleeves.

K. Remove Josam type drains and install manufacturer approved drain inserts in accordance with section 22 14 29.13 Roof Drainage.

L. MECHANICAL EQUIPMENT NOT MEETING 8” HEIGHT REQUIREMENT FOR BASE FLASHING: It is not the intention of this contract to perform major mechanical alteration in order to provide 8” heights on flashings. If a mechanical unit exists that does not meet a flashing height requirement, the contractor may install flashings in a manner that does not require major alteration. It is still the
responsibility of the contractor to perform the flashing in a watertight manner, and the flashing will be included in the contractor guarantee. If the manufacturer requires a particular flashing height, it is acceptable for the manufacturer to exempt the mechanical unit from the warranty with approval of the District and engineer. If a manufacturer is not willing to exempt a specific flashing, then it is the responsibility of the contractor to either comply with the manufacturer requirement, or use another manufacturer.

3.09 WALK PADS:

A. Clean roof surface of all dirt and debris where walk pads are to be placed.
B. Install walk pads as approved and warranted by the membrane manufacturer.
C. Walk pads shall be heat-welded to the membrane by a method approved by the manufacturer. If approved, the preferred method of walk pad attachment is by tack-welding corners.
D. Locations of walk pads: Completely around all serviceable equipment. From serviceable equipment to roof access point. If there is no designated roof access point, install walk pads between units only. Also follow designated layouts on roof plan drawings if provided.
E. Cut slots or spaces in walk pads that may impede drainage. Avoid welding walkpads over membrane seams if possible.
F. Contractor shall be responsible to estimate linear footage of required walk pads in accordance with the above specification.

3.10 POWER SOURCE:

A. The Contractor shall be responsible for supplying his own power source.
B. The power shall be of sufficient voltage to insure that welds are made properly.

3.11 AESTHETICS:

A. Contractor shall coordinate aesthetics with District.
B. Contractor shall take precaution against overspray as directed by District.
C. Contractor shall paint areas of asphalt spillage as directed by the District.
D. Paint all sheet metal and lead surfaces in accordance with Section 099113.
E. Any dirt, stains from bitumen materials, or other foreign matter shall be removed from the newly installed membrane to restore the surface to a clean, spot-free,
and as-new condition, using methods as recommended by the manufacturer.

3.12 FINAL TESTING, INSPECTION & PUNCHLIST:

A. Contractor shall notify the District when roof is ready for final inspection.

B. District shall coordinate final inspection and provide contractor with punch list.

C. Contractor shall perform punchlist items within seven (7) working days of having received the final inspection punchlist.

D. District shall coordinate an inspection verifying that all punchlist items have been complete. If punchlist items remain, contractor may be subject to compensating the District for additional final punchlist verification inspections.

E. Drain testing.
   1. Contractor shall flood test each drain to ensure that drain inserts are properly installed.
   2. Install balloon plug within the drain plumbing at a location lower than the drain insert.
   3. Fill the drain and drain sump with water. Allow to stand for 24 hours. Check for leakage by observing inside of the building. The District may use a capacitance scanner to ensure that water has not penetrated under the membrane.

F. Final inspection of drainage:
   1. Contractor shall flood test the roof in order to verify successful drainage. Flood testing shall occur with District observation.
   2. After 48 hours, the roof will be inspected by the District. Water remaining on the roof shall be categorized as ponding water in accordance with California Building Code 2010. At this time, the contractor shall be responsible for correcting ponding on the roof through the installation of pond patch filler and new membrane. The procedure shall be approved by the manufacturer. Even though the manufacturer approves standing (ponding) water, this does not alleviate the contractor from the responsibility of correcting ponding water on this project.

END OF SECTION
SECTION 09 91 13
EXTERIOR PAINTING

PART 1 - GENERAL

1.01 SCOPE OF WORK:

A. Provide all labor and materials required to complete all painting and finishing work required by this Specification.

B. Work shall include painting of the following:

1. All unpainted sheet metal flashings and trim that are newly installed Exterior wood trim.

2. Coated metal that acts as or is adjacent to fascia.

3. Coated sheet metal that is not visible from the ground and is at or around the roofing system does not have to be coated.

4. All colors shall be approved by the owner.

1.02 QUALITY ASSURANCE:

A. Comply with all state and local regulations governing the use of paint materials. All paint primers and finishes will comply with California Air Resource Board and Environmental Protection Agency regulations.

1.03 PRODUCT DELIVERY, STORAGE, AND HANDLING:

A. Deliver materials to the work site in unopened containers bearing manufacturer's name and product description.

B. Store materials in a dry, clean, well ventilated area. Close containers.

1.04 TECHNICAL SUBMITTALS

A. Submittal requirements: Contractor shall highlight anything in the submittal package that conflicts with or changes specifications or drawings. Include a reason for the change. Any submittals that alter existing specifications or drawings shall be approved by the engineer and owner prior to implementation.

B. The following submittals are to be made in conjunction with any other submittal requirements set forth in the bid documents.

C. The contractor shall submit the following upon request of the owner or engineer:
1. Manufacturer specification data sheets. Submit for the following products:
   a. Paint.
   b. Primer.
2. Manufacturer literature describing the installation procedure of the specified system.

PART 2 - PRODUCTS

2.01 APPROVED PAINT MANUFACTURERS:
   A. Sinclair Paint Company (ICI Paint Stores)
   B. Dunn-Edwards Paint Corporation
   C. Sherwin-Williams Co.
   D. Kelly Moore.

2.02 EXTERIOR PAINT SYSTEMS:
   A. Zinc Coated Metal:
      1. Pretreatment - (ICI Sinclair Vinyl Wash Primer, Dunn-Edwards Galva-Etch GE 123, Sherwin Williams B50W3, or Kelly Moore approved.).
      2. 1st coat - Primer Coat. (ICI Devoe Devguard #4120, Dunn-Edwards W 711, Sherwin Williams B42N8, or Kelly Moore 5725 DTM Acrylic Primer).
      3. Top coat(s) - Water base acrylic, semi-gloss enamel finish coat (ICI Sinclair #2406 Decrashield Semigloss Finish, Dunn-Edwards W901, Sherwin Williams A84, or Kelly Moore 1250 Acry-Shield Acrylic Enamel)

   B. Wood:
      1. 1st Coat - Exterior Wood Primer (ICI Sinclair Ultra-Hide Durus #2110, Dunn-Edwards W 42-1, Sherwin Williams Y24W20, or Kelly Moore 150 Color-Shield primer-sealer).
      2. Top Coat(s) - Water base acrylic, semi-gloss enamel finish coat (ICI Sinclair #2406 Decrashield Semigloss Finish, Dunn-Edwards W901, Sherwin Williams A84, or Kelly Moore 1250 Acry-Shield)

   C. Coated sheet metal
      1. Cleaner: Use manufacturer approved cleaner for the specific membrane that is coated.
      2. Prime the coated sheet metal with manufacturer approved primer.
      3. Any exterior latex paint as manufactured by Sinclair, Kelly Moore, Dunn-Edwards or Sherwin Williams if these are accepted by the manufacturer.
Otherwise, use your manufacturer approved TPO or PVC coating. Color shall be acceptable to owner.

PART 3 - EXECUTION:

3.01 CONDITION OF SURFACES:
Examine surfaces scheduled to receive paint and finishes for conditions that will adversely affect execution, permanence and quality of work. Do not apply paint or finish until conditions are satisfactory.

3.02 PREPARATION:
A. Prepare surfaces in a skillful manner to produce finish work of first class appearance and durability.
B. Clean surfaces free of dust, dirt, oil, grease and other foreign matter prior to the application of the prime coat.
C. Repair all voids, nicks, cracks, dents, etc., with suitable patching material and finish flush to adjacent surface.

3.03 APPLICATION:
A. Apply material evenly, free from sags, runs, crawls, holidays or defects.
B. Apply paint by brush, roller or spray.
C. Employ coats and undercoats for all types of finishes in strict accordance with the recommendations of the paint manufacturer.
D. Allow each coat to dry before succeeding coat application.

3.04 REINSTALLATION OF REMOVED ITEMS:
Following completion of painting each space, promptly reinstall all items removed for painting, using only workmen skilled in the particular trade.

3.05 CLEANING:
Remove all surplus materials and debris from the work site at completion of each days work. Remove all spatterings from all finish surfaces.

END OF SECTION
SECTION 22 14 26.13
ROOF DRAINAGE

PART 1 - GENERAL

1.01 SCOPE:
A. The work required under this section consists of all plumbing and roofing related items necessary to complete the work as indicated in the Contract Documents.
B. The Contractor shall provide all items, articles, materials, operations, methods listed, mentioned or scheduled on the drawings and/or specified herein, including all labor, materials, equipment, and incidentals necessary and required for their completion.
C. WORK INCLUDED:
   1. Install drain inserts as specified.
   2. If not present, install overflow drains or scuppers at all primary drains. Overflow drain outlet shall be located 2” above primary drain outlet. Overflow drain opening shall be equal to or greater than primary drain.
   3. During the construction process protect exposed roof drain plumbing from debris.
   4. The Contractor shall water test all roof drains prior to roof removal to ensure that all drains are clear. The Contractor shall water test all roof drains for leakage and blockage at the completion of the project and shall clear all blocked drain lines.

1.02 REGULATORY REQUIREMENTS:
Provide all work and materials in full accordance with the latest rules and regulations of the State Fire Marshal, safety orders of the Division of Industrial Safety and the Uniform Plumbing Code as published by the Western Plumbing Officials Association and other applicable laws or regulations.

1.03 PROJECT CONDITIONS:
Contractor shall examine and familiarize himself with all site conditions, plans and specifications. Report any discrepancies to owner’s representative prior to bid for clarification. No allowance shall be made to Contractor for failure to comply with this requirement.

1.04 SUBMITTALS:
A. Drain inserts if not using RAC.
B. Drain insert capacity (gal/min) for each size drain being used on this project.
C. Any other material not listed in these specifications.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Sheet metal for scuppers shall be coated 24 gage as provided by the roofing system manufacturer. Any coated sheet metal visible from the outside of the building shall be painted as specified in section 099113 Exterior Painting.

B. Drain inserts: RAC, Thunderbird, Hercules RetroDrain, or approved equal. Drain insert shall be approved by the manufacturer of the membrane being installed. Drain inserts shall have the following characteristics:

1. The reason for requiring drain inserts and replacing Josam type drains is as follows:
   a. The elimination of a “pressure fit” seal required by Josam type drain systems. Drain inserts do not rely on sealant and pressure fits for water integrity.
   b. The elimination of a barrier to drainage. Josam type drain rings add ¼” to ½” height that water must build up in order to enter the drain. Drain inserts do not add any height or barrier to drainage eliminated standing water directly around the drain.

2. Insert plumbing shall be the maximum diameter to insert into existing plumbing. Contact drain insert manufacturer to determine proper drain insert diameters.

3. Inserts shall have coated flanges for heat welding into the membrane. If no coated flanged insert is approved by the manufacturer, please provide this in writing. Inserts shall have a metal flange that can be adhered to the roof membrane with a manufacturer approved adhesive.

4. Plumbing insert shall have manufacturer pre-made sealant system. Hand sealant not allowed.

5. Drain insert shall have metal strainer.

6. If interior plumbing does not allow for a drain insert (because plumbing elbows do not allow for enough space for insert), contractor shall obtain a modified drain insert or shorten the insert pipe outlet. Contact drain insert manufacturer for customized unit. Note: The Thunderbird drain inserts have only a 2” long male insert. These should be sufficient for any drain that elbows directly below the bowl. Also, the Thunderbird male insert comes in 2” diameter.

7. Special Note: If the contractor believes that a drain insert cannot be installed, please notify the engineer by way of RFI. If a drain insert cannot be installed,
a credit will be given back to the owner. The existing Josam drain will be modified as directed by the engineer prior to re-installation.

PART 3 - EXECUTION

3.01 INSTALLATION:

A. Install drain sumps around all primary drains and scuppers. Drain sumps shall be continuous so that no water stands at the drain areas.

B. The Contractor shall do all cutting, fitting or patching of existing construction and his work as may be required to install roof drainage equipment to match existing materials. Any cost caused by defective or ill-timed work shall be borne by the party responsible therefore.

C. Overflow scuppers. Carefully core through existing masonry wall to receive overflow scupper. Opening shall be equal to primary drain. Locate the bottom of the opening 2” above primary drain outlet.

D. Drain inserts:
   1. Install drain inserts in accordance with manufacturer requirements.
   2. Drains shall be set at deck level. If necessary, cut out the existing drain bowl so that the new drain can be installed at the deck level allowing for maximum sumping to the drain.
   3. If drain insert stem is too long, follow manufacturer requirements for shortening stem and installing new sealant system.

3.02 TESTING:

Water test all roof drains and downspouts with a hose prior to completion of project for a minimum of one hundred eighty (180) minutes. Inspector shall be present during test. All drain lines shall be cleared of debris and any defective conditions corrected to operable condition.

END OF SECTION
# Bulk Sample Request Form

**Client:** Skyline Engineering  
**Contact:** Phone: (510) 266-4600  
**Site:** Laney College Forum Roof Survey  
**Sample Number** | **Material Description** | **Sample Location** | **Friable** | **Cond.** | **Quantity**  
---|---|---|---|---|---  
Asb-41 | Roof Field | Roof West |  |  |  
-BO3 |  | Roof Center |  |  |  
-BO1 | Roof Flashing | Roof South |  |  |  
-BO5 |  | Roof East |  |  |  
-BO6 | Patch around Drain | Roof East |  |  |  
-BO7 | Patch around Flashing | Roof West |  |  |  
-BO8 | Sealant (Gray) | Roof S.W. |  |  |  
-BO9 |  | Roof East |  |  |  

**Turnaround Time:**  
- 1-Day  
- 2-Day  
- 3-Day  
- 5-Day  

**Analysis:**  
- PLM Standard  
- Point Count  
- Flame AA (Pb)  

**Special Instructions:**  
- E-mail results to: me@skylineengineering.com  
- Fax to: (510) 266-4600  

**Received by:**  
**Date & Time:**  
**Condition Acceptable:**  
**Relinquished by:**  
**Date & Time:**  
**Shipped via:**  
- Fed Ex  
- Airborne  
- UPS  
- US Mail  
- Courier  
- Drop Off  
- Other:
# Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Lab Number</th>
<th>Asbestos Type</th>
<th>Percent in Layer</th>
<th>Asbestos Type</th>
<th>Percent in Layer</th>
<th>Asbestos Type</th>
<th>Percent in Layer</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Total Composite Values of Fibrous Components:</td>
<td>Asbestos (ND)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cellulose (40 %)</td>
<td>Fibrous Glass (10 %)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Asb-4/1-B02</td>
<td>11628692</td>
<td>Layer: Black Tar</td>
<td>ND</td>
<td>Layer: Black Felt</td>
<td>ND</td>
<td>Layer: Black Tar</td>
<td>ND</td>
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<td></td>
<td></td>
<td>Total Composite Values of Fibrous Components:</td>
<td>Asbestos (ND)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cellulose (40 %)</td>
<td>Fibrous Glass (10 %)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Asb-4/1-B03</td>
<td>11628693</td>
<td>Layer: Black Tar</td>
<td>ND</td>
<td>Layer: Black Felt</td>
<td>ND</td>
<td>Layer: Black Tar</td>
<td>ND</td>
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<tr>
<td></td>
<td></td>
<td>Total Composite Values of Fibrous Components:</td>
<td>Asbestos (ND)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cellulose (40 %)</td>
<td>Fibrous Glass (10 %)</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Total Composite Values of Fibrous Components:</td>
<td>Asbestos (ND)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cellulose (40 %)</td>
<td>Fibrous Glass (5 %)</td>
<td>Synthetic (5 %)</td>
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<td></td>
<td>Total Composite Values of Fibrous Components:</td>
<td>Asbestos (ND)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Cellulose (40 %)</td>
<td>Fibrous Glass (5 %)</td>
<td>Synthetic (5 %)</td>
<td>Wollastonite (Trace)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Sample Details

**Sample ID:** Asb-4/1-B06  
**Lab Number:** 11628696

<table>
<thead>
<tr>
<th>Layer Description</th>
<th>Asbestos Type</th>
<th>Percent in Layer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Semi-Fibrous Tar</td>
<td>ND</td>
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</tr>
<tr>
<td>Total Composite Values of Fibrous Components:</td>
<td>Asbestos (ND)</td>
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</tr>
</tbody>
</table>

**Sample ID:** Asb-4/1-B07  
**Lab Number:** 11628697

<table>
<thead>
<tr>
<th>Layer Description</th>
<th>Asbestos Type</th>
<th>Percent in Layer</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Non-Fibrous Coating</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Black Semi-Fibrous Material</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Off-White Mastic</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Total Composite Values of Fibrous Components:</td>
<td>Asbestos (ND)</td>
<td></td>
</tr>
</tbody>
</table>

**Sample ID:** Asb-4/1-B08  
**Lab Number:** 11628698

<table>
<thead>
<tr>
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<th>Asbestos Type</th>
<th>Percent in Layer</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Non-Fibrous Material</td>
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<td></td>
</tr>
<tr>
<td>Total Composite Values of Fibrous Components:</td>
<td>Asbestos (ND)</td>
<td></td>
</tr>
</tbody>
</table>

**Sample ID:** Asb-4/1-B09  
**Lab Number:** 11628699

<table>
<thead>
<tr>
<th>Layer Description</th>
<th>Asbestos Type</th>
<th>Percent in Layer</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Non-Fibrous Material</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>Total Composite Values of Fibrous Components:</td>
<td>Asbestos (ND)</td>
<td></td>
</tr>
</tbody>
</table>

---

**Note:** Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

---

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

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<table>
<thead>
<tr>
<th>Sample Number</th>
<th>Sample Location</th>
<th>Component</th>
<th>Color</th>
<th>Substrate</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Lead 4% + Oct</td>
<td>Ducting</td>
<td>Black</td>
<td>metal</td>
<td>intact</td>
</tr>
</tbody>
</table>

Client: Skyline Engineering
Contact: Phone: (510) 266-4600

Sampled by: Matt Floyd
PM: Paulo Borges
Date: 4/12/15

Site: Lonaq College Forum Roof Survey

Analysis: Flame AA (Pb)

Turnaround Time: 5-Day

Relinquished by: [Signature]
Received by: [Signature]

Date & Time: 4/13/15 5:17 PM
Condition Acceptable: Yes

Substrates: wood, metal, concrete, plaster, drywall, brick

Shipped via: Drop Off
# Metals Analysis of Paints

Forensic Analytical Consulting Svcs  
Paulo Parra  
3777 Depot Road  
Suite 413  
Hayward, CA 94545

Client ID:  HAY01  
Report Number:  M159951  
Date Received:  04/06/15  
Date Analyzed:  04/13/15  
Date Printed:  04/13/15  
First Reported:  04/13/15

**Job ID / Site:**  PJ26100; Laney College, 900 Fallon St, Oakland CA 94607  
**Date(s) Collected:**  4/2/15

<table>
<thead>
<tr>
<th>Sample Number</th>
<th>Lab Number</th>
<th>Analyte</th>
<th>Result</th>
<th>Result Units</th>
<th>Reporting Limit*</th>
<th>Method Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>LEAD-4/1-PB01</td>
<td>30710027</td>
<td>Pb</td>
<td>4.2</td>
<td>wt%</td>
<td>0.2</td>
<td>EPA 3050B/7420</td>
</tr>
</tbody>
</table>

* The Reporting Limit represents the lowest amount of analyte that the laboratory can confidently detect in the sample, and is not a regulatory level. The Units for the Reporting Limit are the same as the Units for the Final Results.

Daniele Siu, Laboratory Supervisor, Hayward Laboratory

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**BULK SAMPLE REQUEST FORM**

<table>
<thead>
<tr>
<th>Sample Number</th>
<th>Material Description</th>
<th>Sample Location</th>
<th>Friable</th>
<th>Cond.</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asb - 410 - BC1</td>
<td>White Sediment</td>
<td>HVAC Unit 1, North, Non Permeable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- BC2 V</td>
<td></td>
<td>HVAC Unit 3, North, Non Permeable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- BC3 Black Sediment</td>
<td></td>
<td>HVAC Unit 3, North, Electrical Penetration</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>- BC4 L</td>
<td>- BC5 - Cement Flooring</td>
<td>HVAC Unit 7, South, Electrical Penetration</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- BC6 L</td>
<td>- BC7 - Duct Sediment</td>
<td>HVAC Unit 3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- BC8  L (Lt. Group)</td>
<td></td>
<td>HVAC Unit 6</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>- BC9 Roof Red</td>
<td></td>
<td>Roof North</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- BC9 Roof</td>
<td></td>
<td>Roof South</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Special Instructions:**

E-mail results to: Peaira.M.Floyd@ForensicAnalytical.com

**Turnaround Time:** 1-Day, 2-Day, 3-Day, 5-Day, Other

**Analysis:** PLM Standard, Point Count, Flame AA (Pb)

**Contact:** Phone: (510) 266-4600

**Client:**

- **Name:** Blaney Child Care
- **Job #:** PJ 8610

**Sample Number:** 41015

**Received by:** YB

**Date & Time:** 4/13/15 5:17 PM

**Condition Acceptable:** Yes

**Signed by:** 4/13/15 8:00 PM
# Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Lab Number</th>
<th>Asbestos Type</th>
<th>Percent in Layer</th>
<th>Asbestos Type</th>
<th>Percent in Layer</th>
<th>Asbestos Type</th>
<th>Percent in Layer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asb-4/2-B01</td>
<td>11628822</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Layer: White Putty</td>
<td>ND</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Layer: Paint</td>
<td>ND</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Composite Values of Fibrous Components:</td>
<td>Asbestos (ND)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cellulose (Trace)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Asb-4/2-B02</td>
<td>11628823</td>
<td></td>
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<td>Layer: White Putty</td>
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<tr>
<td>Layer: Paint</td>
<td>ND</td>
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<td></td>
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</tr>
<tr>
<td>Total Composite Values of Fibrous Components:</td>
<td>Asbestos (ND)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Cellulose (Trace)</td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Asb-4/2-B03</td>
<td>11628824</td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Layer: Black Tar</td>
<td>ND</td>
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</tr>
<tr>
<td>Total Composite Values of Fibrous Components:</td>
<td>Asbestos (ND)</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Cellulose (Trace)</td>
<td></td>
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<tr>
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<td>Layer: Black Tar</td>
<td>ND</td>
<td></td>
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</tr>
<tr>
<td>Total Composite Values of Fibrous Components:</td>
<td>Asbestos (ND)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cellulose (Trace)</td>
<td></td>
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<tr>
<td>Layer: Black Felt</td>
<td>ND</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Layer: Black Tar</td>
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<td></td>
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<tr>
<td>Layer: Black Felt</td>
<td>ND</td>
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</tr>
<tr>
<td>Layer: Black Felt</td>
<td>ND</td>
<td></td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Total Composite Values of Fibrous Components:</td>
<td>Asbestos (ND)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cellulose (55 %)</td>
<td>Fibrous Glass (10 %)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| Comment: Bulk complex sample.
### Client Name: Forensic Analytical Consulting Svcs

#### Sample ID | Lab Number | Asbestos Type | Percent in Layer  | Asbestos Type | Percent in Layer  | Asbestos Type | Percent in Layer  | Asbestos Type | Percent in Layer  |
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
Total Composite Values of Fibrous Components: **Asbestos (ND)**
Cellulose (55 %) Fibrous Glass (10 %)
Comment: Bulk complex sample.

**Asb-4/2-B07** | 11628828 | Layer: Grey Putty | ND | Layer: Paint | ND |
Total Composite Values of Fibrous Components: **Asbestos (ND)**
Cellulose (Trace)

**Asb-4/2-B08** | 11628829 | Layer: Grey Putty | ND | Layer: Paint | ND |
Total Composite Values of Fibrous Components: **Asbestos (ND)**
Cellulose (Trace)

Total Composite Values of Fibrous Components: **Asbestos (ND)**
Cellulose (55 %) Fibrous Glass (10 %)
Comment: Bulk complex sample.

Total Composite Values of Fibrous Components: **Asbestos (ND)**
Cellulose (55 %) Fibrous Glass (10 %)
Comment: Bulk complex sample.
# Paint Chip Sample Request Form

**Client:** Skyline Engineering  
**Contact:** Phone: (510) 266-4600  
**Sampled by:** Male Floyd  
**PM:** Paul Porter  
**Date:** 4/2/15  
**Site:** Lemuy Child Care, Red Survey  
**Special Instructions:** E-mail results to: P.Floyd@formsanalytical.com  
**Turnaround Time:** 1-Day  
**Analysis:** Flame AA (Pb)  

<table>
<thead>
<tr>
<th>Sample Number</th>
<th>Sample Location</th>
<th>Component</th>
<th>Color</th>
<th>Substrate</th>
<th>Condition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pb-42-B61</td>
<td>HUTC Fan Cover, HUTC8</td>
<td>Fan Cover</td>
<td>5ccen</td>
<td>Metal</td>
<td>Poor</td>
</tr>
<tr>
<td>-B22</td>
<td>Vent by HVAC units</td>
<td>Falsing</td>
<td>White</td>
<td>Metal</td>
<td>Poor</td>
</tr>
</tbody>
</table>

**Shipped via:**  
- [X] FedEx  
- [ ] Airborne  
- [ ] UPS  
- [ ] US Mail  
- [ ] Courier  
- [X] Drop Off  
- [ ] Other  

**Relinquished by:** [Signature]  
**Date & Time:** 4/5/15 3:17 PM  
**Received by:** [Signature]  
**Date & Time:** 4/6/15 8:00 am  
**Condition Acceptable:** [X] Yes  

**Substrate:** Wood, Metal, Concrete, Plastic, Drywall, Brick
# Metals Analysis of Paints

Forensic Analytical Consulting Svcs  
Paulo Parra  
3777 Depot Road  
Suite 413  
Hayward, CA 94545

<table>
<thead>
<tr>
<th>Sample Number</th>
<th>Lab Number</th>
<th>Analyte</th>
<th>Result</th>
<th>Result Units</th>
<th>Reporting Limit*</th>
<th>Method Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>PB-4/2-B01</td>
<td>30710036</td>
<td>Pb</td>
<td>&lt; 0.006</td>
<td>wt%</td>
<td>0.006</td>
<td>EPA 3050B/7420</td>
</tr>
<tr>
<td>PB-4/2-B02</td>
<td>30710037</td>
<td>Pb</td>
<td>&lt; 0.006</td>
<td>wt%</td>
<td>0.006</td>
<td>EPA 3050B/7420</td>
</tr>
</tbody>
</table>

* The Reporting Limit represents the lowest amount of analyte that the laboratory can confidently detect in the sample, and is not a regulatory level. The Units for the Reporting Limit are the same as the Units for the Final Results.

![Signature]

Daniele Siu, Laboratory Supervisor, Hayward Laboratory

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Legend:

- BOX: Asbestos
- BOX: Lead bulk sample

Diagram with rooms labeled 1 to 6, and boxes marked with B01, B02, etc.