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Main Gym HVAC Replacement & Re-Roof
Pleasant Valley High School
Chico Unified School District
Chico, CA 95926
DSA File No: 4-12
DSA Application No: 02-115458



A handwritten signature in cursive script, appearing to read "Alan S. Chambers".

Addendum No. 1
February 16, 2017

A. Work described in this addendum is to be of the same quality as specified in the original documents.

B. Addendum Drawings

NONE

C. Project Manual

1. 00 01 10 TABLE OF CONTENTS

a. Remove and replace section 00 01 10 included in this addendum.

2. 00 41 01 BID FORM

a. Remove and replace bid form section 00 41 01 included in this addendum. Note change to add unit cost for removal and replacement of dry rot plywood.

3. 00 71 00 SPECIAL CONDITIONS

a. Remove and replace section 00 71 00 included in this addendum.

4. 26 05 53 IDENTIFICATION FOR ELECTRICAL STSYEMS

a. Insert new section 26 05 53, included in this addendum.

5. 27 00 00 VOICE AND DATA COMMUNICATIONS

- a. There are no voice and data communication systems on this project therefore delete section 27 00 00 in its entirety.

6. 28 31 00 FIRE ALARM SYSTEMS

- a. There are no fire alarm systems on this project therefore no specifications have been provided. 28 31 00 has been removed from the attached table of contents.

D. Drawings

1. Sheet A-1 EXISTING FLOOR PLAN

- a. Keynote #6: The existing wood floor is to remain. Contractor shall protect as needed with plywood, etc. when installing duct work and all other work inside of the gym.

2. Sheets A-1, A-2, A-3, A-4 and A-5

- a. The north arrow is shown to point towards the left side (west side) of the building on all plan sheets. The actual north direction is to point up on the sheet.

3. Sheet A-4 DEMO ROOF PLAN

- a. Demo roof general note #4 states “(per note #2 above)”. The note should be “(per note #5 above)”. The note above is referencing roof general notes.

4. Sheets A-5, S-2, MP3.1 and E2.2

- a. The labelling on new HVAC units 1A, 1B, 1C and 1D is incorrect on sheets A-5 and E2.2. The correct locations and labels for units 1A, 1B, 1C and 1D are correct on sheets S-2 and MP3.1. Contractor to use the locations shown on S-2 and MP3.1 for installation of such units.

5. Sheet A-5 NEW ROOF PLAN

- a. New roof plan keynote #4: There are 4 existing thru-wall over flow scuppers to remain. The new roof plan only identifies 3 existing thru-wall over flow scuppers with keynote #4.

6. Sheet A-5 NEW ROOF PLAN and A5.2 ROOF DETAILS

- a. New roof plan keynote #11: The existing parapet wall cap flashing is to be reinstalled after the installation of the new TPO roofing. The existing parapet wall cap flashing is to be painted to match the existing concrete wall color. The reference on detail 5/A5.2 calls out for new sheet metal cap flashing. This is incorrect and keynote #1 on A-5 is to govern.

7. Sheet A-6 and A6.1 INTERIOR ELEVATIONS

- a. Interior elevation keynote #8: The school district will remove and reinstall the existing school banners located on the north and south sides of the gym in lieu of the contractor removing and reinstalling the existing banners.

8. Sheet A6.1 INTERIOR ELEVATIONS

- a. Interior elevation keynote #7: The interior elevations keynote #7 – existing video booth and structure to remain – should be identified on West interior elevation above the bleachers on the right side of the drawing in lieu of keynote #5.

9. Sheet MP0.1 PLUMBING LEGEND

- a. Add the abbreviation “MG” to the legend for medium pressure gas pipe. Its symbol is similar to the low pressure gas pipe symbol except with an “MG” in the line rather than a “G”.

10. Sheet MP3.2 NEW HVAC PLUMBING ROOF PLAN

- a. Note that general roof pipe supports (Detail 6/MP5.1) are shown as unshaded and the seismic roof pipe supports (Detail 5/MP5.1) are shown as shaded on the roof plan. This was done to clarify the pipe support types, however a pipe support legend noting this was mistakenly omitted.

11. Sheet MP6.1 HVAC CONTROLS

- a. Detail 1/MP6.1: In the Alerton BACtalk system architecture the existing server location should be changed from “district office” to “corporation yard”.

12. Sheet MP6.1 HVAC CONTROLS

- a. Note that the communication line shown as “future” is not included in the project. The VLC controller for AC-1D is where the scope ends. This detail is showing that if in the future an additional controller is added it would daisy chain off of the VLC controller for AC-1D.

E. Additional Information Provided

NONE

E. Bid Inquires and Responses

1. General note 8/A-5 new roof plan states that additional cost for dry-rot repair will be handled by change order per rates on the proposal form. I can’t find this in the bid form provided in the bid docs. Please advise. (Ref. RFI 001).

Response: A new bid form 00 41 00 has been included in this addendum that notes the unit cost for the removal and replacement of the dry-rot plywood.

2. Keynote 11 on A-5 requires us to reinstall existing wall cap flashing and paint it. Detail 5/A5.2 conflicts and asks for new G.I. cap with an alternate bid to paint the cap. Please advise. (Ref RFI 002).

Response: The existing parapet wall cap flashing is to be reinstalled after the installation of the new TPO roofing. The existing parapet wall cap flashing is to be painted to match the existing concrete wall color. The reference on detail 5/A5.2 calls out for new sheet metal cap flashing. This is incorrect and keynote #1 on A-5 is to govern.

3. The table of contents in the spec book lists division 28, but the actual spec is not provided. Also division 27 is contained in the spec book, but I can't find any voice and data in the plan sheets, does it apply to anything? Please advise. (Ref RFI 003).

Response: There are no fire alarm systems on this project therefore no specifications have been provided. 28 31 00 has been removed from the attached table of contents. There are no voice and data communication systems on this project therefore delete section 27 00 00 in its entirety.

4. When do you want this job to start? Does it need to be done during summer break? (Ref RFI 004).

Response: The notice to proceed (NTP) can be issued by March 2, 2017. Long lead submittals can be submitted immediately after NTP is provided. The gym must remain accessible for student use until end of the day April 13, 2017.

5. What is the CSLB license required to bid this project?

Response: A "B" license will be required for this project.

6. It looks like the sub-contractors will need to be pre-qualified with Chico Unified School District?

Response: Sub-contractor pre-qualification is not required for this project.

END ADDENDUM NO 1

SECTION 00 01 10: CONTENTS – **ADDENDUM NO. 1**

- 00 01 06 Signature Page
- 00 01 10 Table of Contents – **Replaced Addendum No. 1**

DIVISION 00: PROCUREMENT AND CONTRACTING REQUIREMENTS

- 00 11 17 Notice to Contractors
- 00 21 13 Instructions to Bidders
- 00 41 01 Bid Form- **Replaced Addendum No. 1**
- 00 45 19 Non Collusion Affidavit
- 00 45 49 California Education Code Section 45125.1
- 00 52 01 Agreement Between Owner and Contractor
- 00 61 12 Performance Bond
- 00 61 14 Labor and Materials Payment Bond
- 00 70 00 General Conditions
- 00 71 00 Special Conditions- **Replaced Addendum No. 1**

DIVISION 01: GENERAL REQUIREMENTS

- 01 11 01 Summary of Work
- 01 26 14 Requests for Information
- 01 29 01 Schedule of Values/Application of Payment
- 01 32 15 Progress Schedule
- 01 33 01 Submittals
- 01 41 00 Regulatory Requirements
- 01 42 22 Standards and Abbreviations
- 01 45 29 Testing Laboratory Services
- 01 50 00 Temporary Facilities and Controls
- 01 60 00 Product Requirements
- 01 62 00 Product Options
- Substitution Request Form
- 01 65 50 Delivery, Storage, and Handling
- 01 73 29 Cutting and Patching
- 01 74 19 Construction Waste Management and Disposal
- 01 76 00 Protecting Installed Construction
- 01 77 01 Contract Closeout
- 01 78 36 Warranties
- 01 78 40 Record Drawings

DIVISION 02: EXISTING CONDITIONS

- 02 41 14 Site Clearing
- 02 41 17 Selective Non-Structure Demolition

DIVISION 03: CONCRETE not used

DIVISION 04: MASONRY not used

DIVISION 05: METALS not used

DIVISION 06: WOOD, PLASTICS AND COMPOSITES

- 06 10 00 Rough Carpentry
- 06 20 00 Finish Carpentry

DIVISION 07: THERMAL AND MOISTURE PROTECTION

- 07 22 00 Roof Insulation
- 07 54 00 Thermoplastic Membrane Roofing
- 07 62 00 Sheet Metal Flashing & Trim
- 07 72 33 Roof Hatches
- 07 90 10 Joint Sealing

DIVISION 08: OPENINGS not used

DIVISION 09: FINISHES

09 91 10 Painting

DIVISIONS

10 - 21 Not used

DIVISION 22: PLUMBING

22 00 00 Plumbing

22 10 00 Plumbing Piping and Pumps

DIVISION 23: HEATING, VENTILATION AND AIR CONDITIONING (HVAC)

23 00 00 Heating, Ventilating, and Air-Conditioning (HVAC)

23 07 00 HVAC Insulation

23 09 00 Instrumentation and Control for HVAC

23 30 00 HVAC Air Distribution

23 80 00 Decentralized HVAC Equipment

DIVISIONS 24 -25 Not used

DIVISION 26: ELECTRICAL

26 01 20 Electrical Work, General Requirements

26 05 03 Equipment Wiring Connections

26 05 19 Insulated Conductors

26 05 26 Grounding and Bonding for Electrical Systems

26 05 29 Hangers and Supports for Electrical Systems

26 05 33 Conduit, Fittings and Supports

26 05 53 Identification for Electrical Systems- **Replaced Addendum No. 1**

26 24 16 Panelboards

DIVISION 27: COMMUNICATIONS

Not used- Deleted Addendum No. 1

DIVISION 28: ELECTRONIC SAFETY AND SECURITY

Not used – Deleted Addendum No. 1

DIVISIONS 29-33 Not used

END OF SECTION

PART 1 – GENERAL
Addendum No. 1

1.01 BID FORM

Bids will be received until 2:00 pm on Tuesday, **February 28, 2017**, in the Facilities & Construction Department, 2455 Carmichael Drive, Chico, CA 95928.

TO THE HONORABLE:

Governing Board of Chico Unified School District (Sometimes hereinafter called "Owner".)

Ladies/Gentlemen:

The undersigned hereby proposes and agrees to furnish any and all required labor, material, equipment, transportation and services for the HVAC Replacement and Reroof at Pleasant Valley High School Varley Gymnasium, for the Chico Unified School District in strict conformity with the Drawings and Contract Documents.

BASE BID:

_____ DOLLARS
(\$ _____)

UNIT COSTS:

Provide a unit cost for the removal and replacement per 4 ft. x 8 ft. sheet of 3/4" plywood.
_____ DOLLARS (\$ _____)

SCHEDULE FOR COMPLETION:

Construction Completion by: 90 calendar days from notice to proceed

The undersigned, upon notice of the acceptance of the bid within seventeen (17) days after the date of opening of the bids, hereby agrees to sign said Contract and furnish the necessary bonds within ten (10) days after Notice of Award of said Contract.

The undersigned has examined the location of the proposed work and is familiar with the Drawings, Contract Documents and the local conditions at the place where the work is to be done.

The undersigned has checked carefully all of the above figures and understands that the Governing Board of the Chico Unified School District will not be responsible for any errors or omissions on the part of the undersigned in making up this bid.

The undersigned acknowledges that the Governing Board of the Chico Unified School District reserves the right to reject any and all bids and/or waive any irregularities or informalities in the bidding.

Enclosed find Bidder's Bond, from a surety company registered with the State of California Insurance Commissioner, or Cashier's Check in the amount of 10% of the bid; Cashier's Check No. _____ of the _____ Bank for _____.

Receipt of Addenda is acknowledged as follows:

No. 1 _____ No. 2 _____ No. 3 _____ No. 4 _____

CONTRACTOR _____

By _____

ADDRESS (Street) _____

(P.O.) _____

PHONE () _____

FAX () _____

CONTRACTORS LICENSE BOARD NO. _____

CLASSIFICATION _____

DIR Registration Number _____

Dated this _____ day of _____ 2017.

LIST OF SUBCONTRACTORS FOR _____ , GENERAL CONTRACTOR

PROJECT: HVAC Replacement and Reroof at Pleasant Valley High School Varley
Gymnasium

Pursuant to the provisions of Sections 4100 to 4114 inclusive, of the California Public Contracts Code, and as set forth in Instructions to Bidders, and the General Conditions, the above named Contractor hereby designates below the names and locations of the place of business of each subcontractor.

<u>Work to be done</u>	<u>Subcontractor</u>	<u>City</u>	<u>License No.</u>	<u>DIR Reg No.</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
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_____	_____	_____	_____	_____

END OF SECTION

DOCUMENT 00 71 00

SPECIAL CONDITIONS – Addendum No. 1

1. **Prevailing Wages:** Contractor shall pay and shall cause to be paid each worker engaged in Work on the Project not less than the general prevailing rate of per diem wages determined by the Director of the Department of Industrial Relations (“DIR”) (“Director”), regardless of any contractual relationship which may be alleged to exist between Contractor or any Subcontractor and such workers. Companies that manufacture and deliver ready-mixed concrete directly to construction sites using their own drivers, are not subject to this requirement pending the final adjudication of *Allied Concrete & Supply Co., v. Edmund Gerald Brown Jr., et al.*, United State District Court, Central District of California, Case. No. 2:16-CV-04830-RGK (FFM).

2. **Modernization Projects**
 - a. **Access.** Access to the school buildings and entry to buildings, classrooms, restrooms, mechanical rooms, electrical rooms, or other rooms, for construction purposes, must be coordinated with District and onsite District personnel before Contractor commences Work. Unless agreed to otherwise in writing, only a school custodian will be allowed to unlock and lock doors in existing building(s). The custodian will be available only while school is in session. If a custodian is required to arrive before 7:00 a.m. or leave after 3:30 p.m. to accommodate Contractor’s Work, the overtime wages for the custodian will be paid by Contractor, unless, at the discretion of District, other arrangements are made in advance.
 - b. **Master Key.** Upon request, District may, at its own discretion, provide a master key to the school site for the convenience of Contractor. Contractor agrees to pay all expenses to re-key the entire school site and all other affected District buildings if the master key is lost or stolen or if any unauthorized party obtains a copy of the key or access to the school.
 - c. **Maintaining Services.** Contractor is advised that Work is to be performed in spaces regularly scheduled for instruction. Interruption and/or periods of shutdown of public access, electrical service, water service, lighting, or other utilities shall be only as arranged in advance with District. Contractor shall provide temporary services to all facilities interrupted by Contractor’s Work.
 - d. **Maintaining Utilities.** Contractor shall maintain in operation during term of Contract, drainage lines, storm drains, sewers, water, gas, electrical, steam, and other utility service lines within working area.
 - e. **Work During Instructional Time.** By submitting its bid, Contractor affirms that Work may be performed during ongoing instruction in existing facilities. If so, Contractor agrees to cooperate to the best of its ability to minimize any disruption to the school up to, and including, rescheduling specific work activities, at no additional cost to District.
 - f. **No Work During Student Testing.** Contractor shall, at no additional cost to District and at District’s request, coordinate its Work to not disturb District students including, without limitation, not performing any Work when students at the Site are taking State-required tests.

3. **Badge Policy For Contractors**

Contractor shall provide their workers and all of Subcontractors’ workers with identification badges. These badges shall be worn by all members of the Contractor’s staff and all of Subcontractors’ staff who are working in a District facility.

 - a. Badges must be filled out in full and contain the following information:
 - (1) Name of Contractor

- (2) Name of Employee
- (3) Contractor's address and phone number
- b. Badges must be worn when Contractor or his/her employees are on site and must be visible at all times. Contractors must inform their employees that they are required to allow District employees, the Architect, the Construction Manager, the Program Manager, or the Project Inspector to review the information on the badges upon request.
- c. Failure to display identification badges as required by this policy may result in the assessment of fines against the Contractor.

4. **Substitution for Specified Items**

- a. Requests for substitutions prior to award of the Contract shall be done within the time period indicated in the Instructions to Bidders.
- b. Requests for substitutions after award of the Contract shall be within **THIRTY-FIVE (35)** days of the date of the Notice of Award. This time period can be extended by the District only, in its sole discretion.
- c. Whenever in the Specifications any materials, process, or article is indicated or specified by grade, patent, or proprietary name, or by name of manufacturer, that Specification shall be deemed to be followed by the words "or equal." Contractor may, unless otherwise stated, offer any material, process, or article that shall be substantially equal or better in every respect to that so indicated or specified.
 - (1) If the material, process, or article offered by Contractor is not, in the opinion of the District, substantially equal or better in every respect to that specified, then Contractor shall furnish the material, process, or article specified in the Specifications without any additional compensation or change order.
 - (2) This provision shall not be applicable with respect to any material, product, thing or service for which District made findings and gave notice in accordance with Public Contract Code section 3400(b); therefore, Contractor shall not be entitled to request a substitution with respect to those materials, products or services.
- d. A request for a substitution shall be in writing and shall include:
 - (1) All variations of the proposed substitute from the material specified including, but not limited to, principles of operation, materials, or construction finish, thickness or gauge of materials, dimensions, weight, and tolerances;
 - (2) Available maintenance, repair or replacement services;
 - (3) Increases or decreases in operating, maintenance, repair, replacement, and spare parts costs;
 - (4) Whether or not acceptance of the substitute will require other changes in the Work (or in work performed by the District or others under Contract with the District); and
 - (5) The time impact on any part of the Work resulting directly or indirectly from acceptance of the proposed substitute.
- e. No substitutions shall be made until approved, in writing, by the District. The burden of proof as to equality of any material, process, or article shall rest with Contractor. The Contractor warrants that if substitutes are approved:

(1) The proposed substitute is equal or superior in all respects to that specified, and that such proposed substitute is suitable and fit for the intended purpose and will perform adequately the function and achieve the results called for by the general design and the Contract Documents;

(2) The Contractor provides the same warranties and guarantees for the substitute that would be provided for that specified;

(3) The Contractor shall be fully responsible for the installation of the substitute and any changes in the Work required, either directly or indirectly, because of the acceptance of such substitute, with no increase in Contract Price or Contract Time. Incidental changes or extra component parts required to accommodate the substitute will be made by the Contractor without a change in the Contract Price or Contract Time;

(4) The Contractor shall be responsible for any re-design costs occasioned by District's acceptance and/or approval of any substitute; and

(5) The Contractor shall, in the event that a substitute is less costly than that specified, credit the District with one hundred percent (100%) of the net difference between the substitute and the originally specified material. In this event, the Contractor agrees to execute a deductive Change Order to reflect that credit.

- f. In the event Contractor furnishes a material, process, or article more expensive than that specified, the difference in the cost of that material, process, or article so furnished shall be borne by Contractor.
- g. In no event shall the District be liable for any increase in Contract Price or Contract Time due to any claimed delay in the evaluation of any proposed substitute or in the acceptance or rejection of any proposed substitute.
- h. If the District approves a substitution after the award of the Contract, the District shall memorialize that approval in a Change Order or other applicable Contract modification process.

5. **Fingerprinting**

Contractor shall comply with the provisions of Education Code section 45125.2 regarding the submission of employee fingerprints to the California Department of Justice and the completion of criminal background investigations of its employees, its subcontractor(s), and its subcontractors' employees. Contractor shall not permit any employee to have any contact with District pupils until such time as Contractor has verified in writing to the governing board of the District, that such employee has not been convicted of a felony, as defined in Education Code section 45122.1. Contractor shall fully complete and perform all tasks required pursuant to the Criminal Background Investigation/ Fingerprinting Certification.

6. **Weather Days**

Delays due to Adverse Weather conditions will only be permitted in compliance with the provisions in the General Conditions and only if the number of days of Adverse Weather exceeds the following parameters:

[MODIFY DAYS FOR AREA OF PROJECT]

January	[11]	July	[0]
February	[10]	August	[0]
March	[10]	September	[1]
April	[6]	October	[4]
May	[3]	November	[7]

June	[1]	December	[10]
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7. **Insurance Policy Limits.** The limits of insurance shall not be less than:

Contractor shall maintain limits no less than:

- | | | |
|-------------------------------|---|--|
| 1. General Liability: | \$2,000,000 | General Aggregate (Per Project) |
| | \$2,000,000 | Products/Completed Operations Aggregate |
| | \$1,000,000 | Personal & Advertising Injury |
| | \$1,000,000 | Each Occurrence |
| 2. Umbrella/Excess Liability: | \$1,000,000 | Per Occurrence |
| 3. Automobile Liability: | \$1,000,000 | Per Accident for Bodily Injury & Property Dmg. |
| 4. Workers' Compensation: | As required by the State of California | |
| 5. Employer's Liability: | \$1,000,000 | Per Accident for Bodily Injury or Disease |
| 6. Builder's Risk: | Completed Value of the Project with no Coinsurance Penalty. | |

8. **Contractor's Risk Insurance: Contractor's Risk "All Risk" Insurance.**

- a. Contractor shall procure and maintain, during the life of the Project, Contractor's Builders Risk (Course of Construction), or similar first party property coverage acceptable to the District, issued on a replacement cost value basis. The cost shall be consistent with the total replacement cost of all insurable Work of the Project included within the Contract Documents.
- b. Coverage is to insure against all risks of accidental physical loss and shall include without limitation the perils of vandalism and/or malicious mischief (both without any limitation regarding vacancy or occupancy), sprinkler leakage, civil authority, sonic disturbance, collapse, wind, fire, lightning, and smoke. Coverage shall include debris removal, demolition, increased costs due to enforcement of all applicable ordinances and/or laws in the repair and replacement of damaged and undamaged portions of the property, and reasonable costs for the Architect's and engineering services and expenses required as a result of any insured loss upon the Work and Project, including completed Work and Work in progress, to the full insurable value thereof.
- c. **Earthquake and Flood Coverage.** The District may require the Contractor to include coverage for "earthquake(s)" and/or "flood" and Contractor shall provide the price for those additional coverages for the District's consideration prior to including or charging the District for those coverages.
- d. The deductible for this insurance shall be paid by Contractor.

9. **Computerized Job Cost Reporting System.**

- a. **Job Cost Reporting.** The Contractor and each Subcontractor with a Subcontract valued at Three Hundred Thousand Dollars (\$300,000) or greater shall maintain a computerized job cost reporting system conforming to the requirements set forth herein. The computer program(s) utilized by the Contractor and applicable Subcontractors shall be subject to the review and acceptance by the District. The job cost reporting systems for the Work shall be updated in regular intervals of not more than one (1) calendar month.
- b. **Job Cost Reporting System Requirements.** The computerized job cost programs utilized by the Contractor and applicable Subcontractors shall conform and comply with generally accepted

accounting principles applied in a consistent manner and with recognized and generally accepted construction industry accounting standards, guidelines and procedures. The job cost reporting system format and configuration shall follow the general format of the District approved Cost Breakdown (Schedule of Values) and budgets established for each line item shall be traceable to a bid estimate of costs. The job cost reporting systems utilized by the Contractor and applicable Subcontractors shall be capable of: (a) providing overall cost status on a monthly and cumulative basis; (b) providing comparative analysis of the original budgeted costs, actual costs, remaining budget, and projected cost of completion; the job cost reporting system shall be capable of providing comparative analysis for individual line items and the totality of the Work reflected in the job cost report and; (c) tracking adjustments to original budget amounts for Changes to the Work (including, without limitation, issued, pending and potential Change Orders).

- c. **Job Cost System Information.** Upon request of the District, the Contractor and applicable Subcontractors shall make available written job cost reports and provide the District and the Project Manager with the electronic files of the then current or requested job cost report. The Contractor's obligations hereunder are material.

10. **Permits, Certificates, Licenses, Fees, Approval**

a. **Approvals, Certificates, Fees, Inspections, Licenses, Permits, Etc.**

(1) **Permits in Bid Price.** Contractor shall include in its Bid the cost of any approvals, certificates, fees, inspections, licenses, permits or similar requirements necessary for the performance of the Work ("Permits").

a) "Permits" includes, without limitation, any of the following if required: temporary or permanent building, mechanical, electrical or plumbing permits; certificates of occupancy; curb-breaking permits, highway entrance permits; water permits; local inspector fees; etc.

b) "Permits" does not include Project Inspector fees (which will be paid by the District unless otherwise indicated herein), professional licensing, or contractors' licensing.

c) The Contractor shall be required to obtain all Permits. The Contractor shall ensure sufficient time in its Construction Schedule to secure and obtain all permits and shall not be permitted to claim a delay in the Project due to a delay in obtaining a Permit.

b. **Project Inspection**

In addition to the requirements in the Contract Documents related to cooperation with and authority of the DSA Project Inspector(s) for the Project, Contractor acknowledges that the DSA inspection, approval and certification process for projects was revised in 2012-2013 and that Contractor must comply with the requirements of the most recent versions of DSA document PR 13-01. Below are provisions of this document from 2012-2013: PR 13-01 (Procedure: Construction Oversight Process) - Duties of Contractor related to the use of "Project Inspection Card" (Form DSA 152).

(1) The Contractor shall carefully study the DSA approved documents and shall plan a schedule of operations well ahead of time.

(2) If at any time it is discovered that work is being done which is not in accordance with the DSA approved construction documents, the Contractor shall correct the work immediately.

(3) Verify that forms DSA 152 are issued for the project prior to the commencement of construction.

- (4) Meet with the design team, the Laboratory of Record and the Project Inspector to mutually communicate and understand the testing and inspection program and the methods of communication appropriate for the project.
- (5) Notify the Project Inspector, in writing, of the commencement of construction of each and every aspect of the work at least 48 hours in advance by submitting form DSA 156 (or other agreed upon written documents) to the Project Inspector.
- (6) Notify the Project Inspector of the completion of construction of each and every aspect of the work by submitting form DSA 156 (or other agreed upon written documents) to the Project Inspector.
- (7) Consider the relationship of the signed off blocks and sections of the form DSA 152 and the commencement of subsequent work. Until the Project Inspector has signed off applicable blocks and sections of the form DSA 152, the Contractor may be prohibited from proceeding with subsequent construction activities that cover up the unapproved work. Any subsequent construction activities, that cover up the unapproved work, will be subject to a "Stop Work Order" from the DSA or the District and are subject to removal and remediation if found to be in non-compliance with the DSA approved construction documents.

END OF DOCUMENT

PART 1 GENERAL – Addendum No. 1

1.1 SUMMARY

- A. Section Includes:
 - 1. Nameplates.
 - 2. Labels.
 - 3. Wire markers.
 - 4. Conduit markers.
 - 5. Underground Warning Tape.
 - 6. Lockout Devices.

1.2 SUBMITTALS

- A. Product Data:
 - 1. Submit manufacturer's catalog literature for each product required.
 - 2. Submit electrical identification schedule including list of wording, symbols, letter size, color coding, tag number, location, and function.

1.3 QUALITY ASSURANCE

- A. Provide material supplied by a manufacturer producing identification systems
- B. Comply with OSHA, NFPA or local jurisdiction identification requirements for electrical systems.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Accept identification products on site in original containers. Inspect for damage.
- B. Accept materials on site in original factory packaging, labeled with manufacturer's identification, including product density and thickness.
- C. Protect insulation from weather and construction traffic, dirt, water, chemical, and mechanical damage, by storing in original wrapping.

1.5 ENVIRONMENTAL REQUIREMENTS

- A. Install labels or nameplates only when ambient temperature and humidity conditions for adhesive are within range recommended by manufacturer.

PART 2 PRODUCTS

2.2 NAMEPLATES

- A. Product Description: Laminated three-layer plastic with engraved white letters on contrasting background color.
 - 1. Provide minimum letter height as follows:

**IDENTIFICATION FOR
ELECTRICAL SYSTEMS
Section 26 05 53**

- a. For Panelboards, Distribution boards, Switchboards, Battery Panels and Motor Control Center: 1/2 inch letters to identify equipment designation. Use 1/4 inch letters to identify voltage, phase and wires.
 - b. For Individual Circuit Breakers, Switches and Motor Starters in Distribution panelboards, Distribution boards, Switchboards, Switchgear and Motor Control Centers use 3/8 inch letters to identify equipment designation. Use 1/8 inch letters to identify all other.
 - c. For Individual mounted Circuit Breakers, Disconnect Switches, Enclosed Switches and motor Starters use 3/8 inch letters to identify equipment designation. Use 1/8 inch letters to identify all others.
 - d. For Transformers use 1/2 inch letters to identify equipment designation. Use 1/4 inch letters to identify primary and secondary voltages, primary disconnect location, and other specified data.
 - e. For equipment cabinets, terminal cabinets, control panels and other cabinet enclosed apparatus use 3/8 inch letters to identify equipment designation.
- B. Minimum nameplate thickness: 1/16 inch for signs up to 20 square inches, or 8 inches in length; 1/8 inch thick for larger sizes. Furnish with pre-punched holes for mechanical fasteners.

2.3 LABELS

- A. Labels: Thermal transfer laminated adhesive tape, with 1/8-inch black letters on clear tape cartridge.

2.4 WIRE MARKERS

- A. Description: Self-adhering, pre-printed, machine printable or write-on, self-laminating vinyl wrap around strips. Inscribe blank markers using the printer or pen recommended by the manufacturer for this purpose.
- B. Legend:
 - 1. Power and Lighting Circuits: Branch circuit or feeder number as indicated on Drawings.
 - 2. Control Circuits: Control wire number as indicated on shop drawings.

2.5 CONDUCTOR PHASE MARKERS

- A. Colored vinyl plastic electrical tape, 3/4 inch wide, for identification of phase conductors.

2.6 CONDUIT AND RACEWAY MARKERS

- A. Description: Labels fastened with adhesive.

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- B. Color:
 - 1. 480 Volt System: Orange lettering on white background.
 - 2. 208 Volt System: Blue lettering on white background.
 - 3. Fire Alarm System: Red lettering on white background.
- C. Legend:
 - 1. 480 Volt System: 480 VOLTS.
 - 2. 208 Volt System: 208 VOLTS.
 - 3. Fire Alarm System: FIRE ALARM.

2.7 UNDERGROUND WARNING TAPE

- A. Description: 4 inch wide plastic tape, detectable type, colored yellow with suitable warning legend describing buried electrical lines.

2.8 LOCKOUT DEVICES

- A. Lockout Hasps:
 - 1. Reinforced nylon hasp with erasable label surface; size minimum 7-1/4 x 3 inches.

PART 2 EXECUTION

3.1 PREPARATION

- A. Degrease and clean surfaces to receive adhesive for identification materials.

3.2 INSTALLATION

- A. Install identifying devices after completion of painting.
- B. Nameplate Installation:
 - 1. Install nameplate parallel to equipment lines.
 - 2. Install nameplate for each electrical distribution and control equipment enclosure with corrosive-resistant mechanical fasteners, or adhesive.
 - 3. Install nameplates for each control panel and major control components located outside panel with corrosive-resistant mechanical fasteners.
 - 4. Secure nameplate to equipment front using rivets.
 - a. Provide color coded nameplates as applicable, with the following information:
 - 1) Equipment or device designation.
 - 2) Amperage, KVA or horsepower rating, where applicable.
 - 3) Voltage or signal system name.
 - 4) "Served from" identification.
 - 5) Miscellaneous information as shown in "Examples".
 - 6) Examples:

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Panels: 2EH1
225A
277/480V, 3PH, 4W
Served From: 2EHD1

Transformers: ETX-1
150KVA
480V - 120/208V, 3PH, 4W
Served From: EHD1
Load Served: EL1

Motor Control Centers:
Main Nameplate:
Each Compartment
MCC-NH1 EF-1
600A Main Bus 20 HP
480V, 3PH, 3W Switch Size: 100A
Served From: HDD1A-2 Starter Size: 1

Disconnects or Individual Motor Starters.
EF-1
20HP
480V, 3PH, 3W
Served From: MCCNH-1

Signal: STB-3
Public Address System
Served From: STBM

- C. Nameplates for power system distribution equipment and devices are to be colored as follows: (Unless otherwise noted)
1. 277/480 VAC Normal – Black with white letters
 2. 120/208 VAC Normal – Black with white letters
- D. Nameplates for signal systems equipment and devices are to be black except as follows:
1. Fire alarm and life safety - White with red letters
 2. Security/Card access/CCTV systems – Black with white letters
 3. Clock, intercom, sound, MATV, CATV: Black with white letters
 4. Building management system (BMS): Black with white letters
- E. Label Installation:
1. Install label parallel to equipment lines.
 2. Install label for identification of individual control device stations, receptacles and switches.
 3. Locate the top of label 1/2 inch below the top edge of coverplates.
 4. Install label for multi-outlet assembly receptacles.
 5. Install labels for permanent adhesion.

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- F. Wire Marker Installation:
 - 1. Install wire marker for each conductor at panelboard gutters, pull boxes, outlet and junction boxes, each load connection.
 - 2. Provide colored plastic phase tape in half-lapped turns for a distance of 3 inches from terminal points and in boxes where splices or taps are made.

- G. Junction box identification:
 - 1. Color code and identify all junction boxes located above suspended ceilings and below ceilings in non-public areas.
 - 2. Use finish paint suitable for use on metal surfaces.
 - 3. Boxes shall be identified with permanent felt tip marker on cover indicating panel and circuit numbers. Paint junction box covers using the color coding listed below.
 - a. 480/277 Volt System: Orange.
 - b. 208/120 Volt System: Blue.
 - c. Fire Alarm System: Red.
 - d. Security System: Green.

- H. Conduit Marker Installation:
 - 1. Install conduit marker for each conduit longer than 6 feet.
 - 2. Conduit Marker Spacing: 20 feet on center.
 - 3. Raceway Painting: Identify conduit using field painting in accordance with Section 09 90 00.
 - a. Paint colored band on each conduit longer than 6 feet.
 - b. Paint bands 20 feet on center.
 - c. Color:
 - 1) 480 Volt System: Orange.
 - 2) 208 Volt System: Blue.

3.3 UNDERGROUND WARNING TAPE:

- A. Install underground warning tape along length of each underground conduit, raceway, or cable 6 to 8 inches below finished grade, directly above buried conduit, raceway, or cable.

3.4 WARNING, CAUTION AND INSTRUCTION SIGNS

- A. Provide warning, caution or instruction signs where required by OSHA, where indicated, or where reasonably required to assure safe operation and maintenance of electrical systems.
 - 1. Install engraved plastic-laminated instruction signs with approved legend where instructions or explanations are needed for system of equipment operation
 - 2. Provide polyester film self-adhesive signs for indoor/outdoor equipment and door warning. Use rigid polyethylene non-adhesive signs where adhesives will not work; for example, installing on a metal fence. Provide sign color and marking that meets OSHA regulations. For example,

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DANGER (red background with white letters), HIGH VOLTAGE (white with black letters).

- a. Use 2 by 4 inch signs for small equipment or enclosure doors.
 - b. Use 7 by 10 inch or 10 by 14 inch signs for large equipment or enclosure doors.
- B. Emergency Operating Signs: Install engraved laminate signs with white letters on red background with minimum 3/8 inch high lettering for emergency instructions on power transfer, load shedding, or other emergency operations.

END OF SECTION