



Addendum No. 1

June 27, 2017

**Shade Structure Installation at Dunsmore Elementary School
Bid No. 157-17/18**

This addendum supersedes, supplements and has precedence over all portions of the bidding documents with which it differs. Acknowledge receipt of this Addendum in the space provided on the Proposal Acknowledgement Form. Failure to do so may subject the Bidder to disqualification.

I. Bid Open Date Changed

Changed to Monday, July 3, 2017, at 2:00 PM

Same Location: 223 N. Jackson Street, Room 305, Glendale, CA 91206

II. Questions:

- 1) Concrete footings: Sheet # PD2.0: the plans is directing us to use detail # 1 on the same sheet but the detail # 1 is crossed and there is a different detail # 2 for the same purpose. Which one we are going to use. Please advise.

Response: *Based on the attached filled out coversheet (PD1.0), the selected foundation option in step #6 was drilled pier so detail 2 is the correct foundation type.*

- 2) Sheet # PD2.0: Detail # 3: showing column base plate and anchor bolts on top of the foundation while detail # 2 in the same sheet is showing the same in the bottom of the foundation, which detail is correct and how we are going to perform this installation. Please advise.

Response: *Detail #3 is only applicable if the spread pad foundation option was selected. Detail #2 has a base plate welded to the bottom of the column for bearing on the concrete pad in the bottom of the excavated hole, no anchor bolts are required.*

- 3) Sheet AS-2: Detail 8 is only for the demolition of the main entrance that we should widen, and Detail # 10 shows the new work but did not show what we are going to do with the existing rain water gutter in the ground, the question here : Are we going to extend this ground rain water gutter and what type of detail can you provide us with in order to quantify the work associated with this portion of the scope.

Response: *Yes, provide drain to match the existing. Provide a submittal for review and comment.*



One more page to follow...

END OF ADDENDUM

DESIGN VALUES:

Table with columns: DESCRIPTION, DESIGN VALUES. Rows include: DEAD AND LIVE LOADS, ALLOWABLE SOIL PRESSURE, ROOF SNOW LOAD, WIND DESIGN.

Table with columns: DESCRIPTION, DESIGN VALUES. Rows include: FLOOD HAZARD AREA, WIND DESIGN, SEISMIC DESIGN.

Table with columns: DESCRIPTION, DESIGN VALUES. Rows include: ANALYSIS PROCEDURE, SEISMIC DESIGN CATEGORY (SDC), SEISMIC IMPORTANCE FACTOR, Ie.

Table with columns: DESCRIPTION, DESIGN VALUES. Rows include: DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD, Ss, USED TO DETERMINE Cs.

ARCHITECTURAL REQUIREMENTS:

Table with columns: DESCRIPTION, DESIGN VALUES. Rows include: TYPE OF CONSTRUCTION, OCCUPANCY CLASSIFICATION, NUMBER OF STORIES.

POLYGON ASSUMES ANY OCCUPANT LOAD CALCULATIONS ARE BASED ON 15 SQ FT/ PERSON. PROJECT ARCHITECT MAY ADJUST OCCUPANT LOAD AS PERMITTED BY THE BUILDING CDE.

RELATED BUILDING CODES AND STANDARDS:

- TITLE 24 CODES: 2013 California Administrative Code (CAC), 2013 California Building Code (CBC), 2013 California Electrical Code, etc.

REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS: 2013 CBC, CHAPTER 35, 2013 CFC, CHAPTER 45

SCOPE OF WORK NARRATIVE:

THESE DRAWINGS ILLUSTRATE THE FABRICATION AND INSTALLATION REQUIREMENTS FOR A FREE-STANDING PREFABRICATED STEEL SHADE STRUCTURE. THE ENTIRE STRUCTURAL SYSTEM IS COMPRISED OF TUBULAR STEEL MEMBERS SUPPORTED ON CONCRETE FOUNDATIONS.

GENERAL:

- 1. GENERAL NOTES AND TYPICAL DETAILS SHALL APPLY TO ALL PARTS OF THE JOB EXCEPT WHERE THEY MAY CONFLICT WITH DETAILS AND NOTES ON OTHER SHEETS. 2. WORK SHALL CONFORM TO THE REQUIREMENTS, AS AMENDED TO DATE, OF THE LATEST ADOPTED EDITION OF THE CBC, C.A.C. TITLE 24, AND ALL OTHER LOCAL, STATE AND FEDERAL REGULATIONS.

STRUCTURAL AND MISCELLANEOUS STEEL:

- 1. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION MANUAL REFERENCED BY THE LATEST EDITION OF THE CALIFORNIA BUILDING CODE. 2. PIPE SECTIONS SHALL CONFORM TO ASTM A53, Fy = 35 ksi, GRADE B OR A501 UNLESS NOTED OTHERWISE.

INSTRUCTIONS FOR ARCHITECTS SUBMITTING THESE PRE-CHECKED DRAWINGS TO DSA:

BEFORE SUBMITTING THESE PRE-CHECKED DRAWINGS FOR YOUR PROJECT, FOLLOW THE STEPS BELOW TO PROPERLY DEFINE THE APPROVED OPTIONS: THE POLYGON ENGINEERING DEPARTMENT IS AVAILABLE TO HELP YOU COMPLETE THESE STEPS (616-999-1963).

- STEP 1: SELECT FRAME DIMENSIONS FOR YOUR PROJECT. STEP 2: SELECT ROOF DECK FOR YOUR PROJECT. STEP 3: IDENTIFY THE Ss ACCELERATION (g) FOR YOUR PROJECT. STEP 4: IDENTIFY THE Ss REGION FOR YOUR PROJECT. STEP 5: IDENTIFY THE ROOF DEAD LOAD FOR YOUR PROJECT. STEP 6: IDENTIFY THE FOUNDATION REQUIREMENTS FOR YOUR PROJECT.

WELDING:

- 1. ALL WELDING SHALL COMPLY WITH AWS D1.1 SPECIFICATIONS AND SHALL BE DONE BY AWS QUALIFIED WELDERS CERTIFIED FOR THE TYPE OF WELDING TO BE PERFORMED AS REQUIRED BY DSA. 2. ALL WELDING SHALL BE DONE BY GAS METAL ARC PROCESS WITH E70XX ELECTRODES. FLUX CORE ARC WELD SHALL CONFORM TO CHARTY NOTCH TOUGHNESS RATING OF 20 FT-LB @ (0°F).

BOLTING:

- 1. ALL BOLTS SHOWN ON THESE DRAWINGS ARE ASTM A325 HIGH STRENGTH BOLTS (UNO), TYPE 3. 2. HIGH STRENGTH BOLTS SHALL BE SAMPLED AND TESTED IN COMPLIANCE WITH CBC 2213A.1. 3. BEFORE ERECTING THE FRAME, VERIFY ALL BOLTS AND NUTS ARE CLEAN OF DEBRIS AND BURRS - INCLUDING THE HARDWARE ALREADY FASTENED INSIDE THE MEMBERS.

- A. PRETENSIONED JOINTS (IDENTIFIED ON THE FRAME CONNECTION DETAILS WITH A "PJ REQUIRED") MUST BE INSTALLED AND INSPECTED TO MEET ONE OF FOLLOWING REQUIREMENTS: 1. TURN-OF-NUT PRETENSIONING. 2. CALIBRATED WRENCH PRETENSIONING. 3. DIRECT-TENSION-INDICATOR PRETENSIONING.

FOUNDATIONS:

- 1. ALLOWABLE SOIL PRESSURES ASSUME CLASS 4 SOIL CLASSIFICATION PER CBC TABLE 1806A. 2. A GEOTECHNICAL REPORT / LETTER IS REQUIRED AT THE OVER-THE-COUNTER APPOINTMENT FOR EACH PROJECT. 3. FILL AND BACKFILL SHALL BE COMPACTED TO 95% OF MAX. DENSITY IN ACCORDANCE WITH ASTM TEST METHOD D1557-70. FLOODING NOT PERMITTED.

CONCRETE:

- 1. MIX DESIGN REQUIREMENTS: (NORMAL WEIGHT CONCRETE) 2. CHANGES TO THE MIX DESIGN MUST BE APPROVED BY THE ENGINEER OR ARCHITECT OF RECORD AND DSA 3. AGGREGATES SHALL CONFORM TO ASTM C33 WITH PROVEN SHRINKAGE CHARACTERISTICS OF LESS THAN .005, MAX AGGREGATE SIZE = 1".

Tables for STEP 1: FRAME DIMENSIONS, STEP 2: ROOF DECK, STEP 3: Ss ACCELERATION, STEP 4: Ss REGIONS, STEP 5: TOTAL ROOF DEAD LOAD, STEP 6: FOUNDATION REQUIREMENTS.

REINFORCING STEEL:

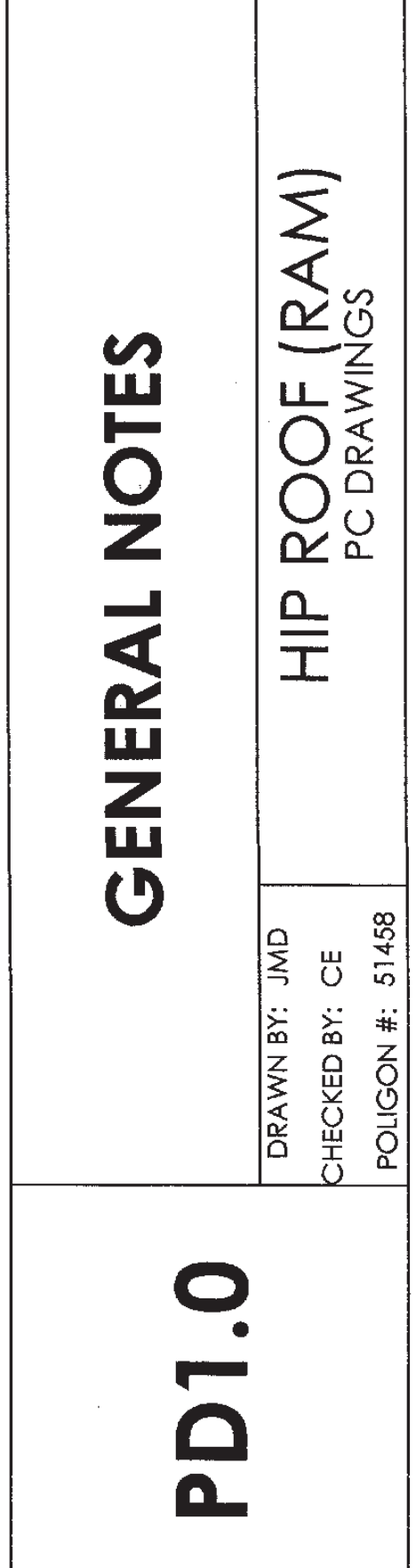
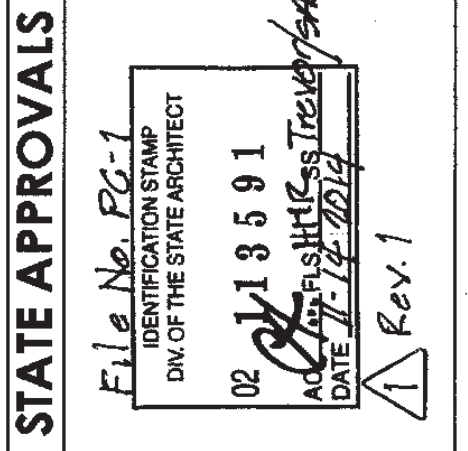
- 1. REINFORCING STEEL SHALL BE DEFORMED STEEL CONFORMING TO THE REQUIREMENTS OF ASTM A615. (DEFORMATIONS SHALL BE IN ACCORDANCE WITH ASTM A305) AS FOLLOWS: CR 60: (#4 BARS AND LARGER) CR 40: (#3 BARS) 2. DETAILING, FABRICATION, AND ERECTION OF REINFORCING BARS SHALL CONFORM TO THE ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES."

POWDER COATED AND EPOXY PRIMED FINISH:

- 1. ENTIRE POWDER COATING PROCESS COMPLETED IN SAME FACILITY AS STEEL FABRICATION. 2. ALL CARBON STEEL MEMBERS (COLUMNS, BEAMS, PLATES, ETC.) PAINTED WITH PRIME COAT PER THE "AISC CODE OF STANDARD PRACTICE" AND THE "AISC SPECIFICATION SECTION M3" (UNLESS NOTED OTHERWISE).

ABBREVIATIONS:

Table with columns: ACRONYM, FULL NAME, ACRONYM, FULL NAME. Rows include: ACI, AISC, ASM, ASTM, AWS, CBC, CJP, CLR, DEG, DIA, DIM, DSA, EQ, FT, GA, IN, KSI, LH, MAX, MIN, MISC, MPH.



PD1.0