

## Addendum No. 1

June 27, 2017 Shade Structure Installation at Valley View Elementary School Bid No. 155-17/18

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.

# <u>Response</u>: 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.

#### <u>Response</u>: 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.

# <u>**Response</u>**: Yes, provide drain to match the existing. Provide a submittal for review and comment.</u>



One more page to follow...

#### END OF ADDENDUM

DESCRIPTION	DESIGN VALUES
DEAD AND LIVE LOADS	
ROOF LIVE LOAD	20 PSF
ROOF DEAD LOAD (SUPERIMPOSED ON FRAME)	VARIES
ALLOWABLE SOIL PRESSURE	
DL+LL (CONCRETE FOOTING)	2000 PSF
DL+LL+SEISMIC (CONCRETE FOOTING)	2000 PSF
ROOF SNOW LOAD	
GROUND SNOW LOAD, Pg, FROM COUNTY	10 PSF
RISK CATEGORY	[X] II [] III
· · · · · · · · · · · · · · · · · · ·	
ROOF SNOW LOAD: [] FLAT, PF OR [] LOW-SLOPE, Pm OR [X] SLOPED, Ps	10 PSF
SNOW ROOF SLOPE FACTOR, Cs	1.0
SNOW EXPOSURE FACTOR, Ce	1.2
SNOW LOAD IMPORTANCE FACTOR, Is	[X] 1.0 [ ] 1.1
THERMAL FACTOR, Ct	[] 1.0 [X] 1.2
FLOOD DESIGN	
FLOOD HAZARD AREA: [] YES [X] NO	
WIND DESIGN	
BASIC WIND SPEED (3 SECOND GUST), Vult	110 MPH
RISK CATEGORY	[X] II [ ] III
EXPOSURE CATEGORY	[X] C [ ] D
TOPOGRAPHIC FACTOR, Kzt (1 MINIMUM)	1.0
INTERNAL PRESSURE COEFFICIENT, GCpi (IF APPLICABLE)	0.0
SEISMIC DESIGN	
SEISMIC DESIGN	STEFL ORDINARY CANTILEVER
SEISMIC DESIGN LATERAL FORCE-RESISTING SYSTEM	STEEL ORDINARY CANTILEVER COLUMN SYSTEMS
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## ARCHITECTURAL REQUIREMENTS:

DESCRIPTION	DESIGN VALUES		
TYPE OF CONSTRUCTION			
OCCUPANCY CLASSIFICATION	A3		
NUMBER OF STORIES	1		
FIRE HAZARD SEVERITY ZONE	VERY HIGH		
FIRE SPRINKLER SYSTEM	NOT BY POLIGON		

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

## **RELATED BUILDING CODES AND STANDARDS:**

TITLE 24 CODES:
2013 California Administrative Code (CAC)(Part 1, Title 24, CCR)
2013 California Building Code (CBC), Volumes 1, and 2 (Part 2, Title 24, CCR)
(2012 International Building Code with 2013 California amendments)
2013 California Electrical Code
(2011 National Electrical Code with 2013 California amendments)
2013 California Mechanical Code (CMC)
(2012 Uniform Mechanical Code with 2013 California amendments)
2013 California Plumbing Code (CPC)(Part 5, Title 24, CCR)
(2012 Uniform Plumbing Code with 2013 California amendments)
2013 California Energy Code
(Effective July 1, 2014)
2013 California Fire Code (CFC)
(2012 International Fire Code with 2010 California Amendments)
2013 California Green Building Standards Code(Part 11, Title 24, CCR)
(Effective January 1, 2014)
2013 California Referenced Standards Code (Part 12, Title 24, CCR)
NFPA 13 - 2013 NFPA 72 - 2013

**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. THE FLEXIBILITY INCLUDED HEREIN ALLOWS THIS STRUCTURE TO COMPLY WITH A WIDE VARIETY OF PROJECT SITES AND LOADING REQUIREMENTS.

## **GENERAL**:

- BY THE STRUCTURAL ENGINEER FOR THIS PROJECT.
- PROCEEDING WITH ANY WORK INVOLVED.
- CONSTRUCTION.
- ARCHITECT/ENGINEER OR OWNER.
- 10. ROOF INSTALLATION.
- 11.

- CALIFORNIA BUILDING CODE. DRAWINGS (MAXIMUM INCREASE OF 1/8"). ROOF DECK SHALL HAVE KYNAR 5000 METAL COATING. 10. DIMENSION OF 0.58" (OUTSIDE DIAMETER).

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

- THE POLIGON ENGINEERING DEPARTMENT IS AVAILABLE TO HELP YOU COMPLETE THESE STEPS (616-399-1963).
- **STEP 1: SELECT FRAME DIMENSIONS FOR YOUR PROJECT** - STRUCTURES UP TO 20' WIDE USE THE "RAM 20" BASE FRAME - STRUCTURES UP TO 30' WIDE USE THE "RAM 30" BASE FRAME
- **STEP 2: SELECT ROOF DECK FOR YOUR PROJECT** - "MR" REPRESENTS MCELROY METAL "MULTI-RIB" ROOF DECK
- STEP 3: IDENTIFY THE SS ACCELERATION (g) FOR YOUR PROJECT - SS VALUE DETERMINES THE REQUIRED SEISMIC DESIGN FORCES
- **STEP 4: IDENTIFY THE SS REGION FOR YOUR PROJECT** - THE REGIONS ARE DEPENDANT ON THE SS VALUE DETERMINED IN STEP 3 - REFERENCE DSA BU 14-01 FOR A MAP OF VARIOUS SS REGIONS
- STEP 5: IDENTIFY THE ROOF DEAD LOAD FOR YOUR PROJECT - THE ROOF DECK DEAD LOAD WILL ALWAYS BE INCLUDED
- STEP 6: IDENTIFY THE FOUNDATION REQUIREMENTS FOR YOUR PROJECT - REFERENCE THE SS REGION (STEP 4) AND THE TOTAL ROOF DEAD (STEP 5) - IDENTIFY A SINGLE LOAD SCENARIO
- SELECT EITHER SPREAD PAD OR DRILLED PIER FOUNDATION

### 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. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED SUBJECT TO REVIEW

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. OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER FOR THIS PROJECT PRIOR TO

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE STRUCTURAL ENGINEER FOR THIS PROJECT AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.

THESE CONSTRUCTION DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, INCLUDING, BUT NOT LIMITED TO, BRACING, TEMPORARY SUPPORTS, AND SHORING. OBSERVATION VISITS TO THE SITE BY FIELD REPRESENTATIVES OF THE ARCHITECT/ENGINEER SHALL NOT INCLUDE INSPECTIONS OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES. ANY SUPPORT SERVICES PERFORMED BY THE ARCHITECT/ENGINEER DURING THE CONSTRUCTION SHALL BE DISTINGUISHED FROM CONSTRUCTION AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ARCHITECT/ENGINEER, WHETHER OF MATERIAL OR WORK, ARE FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DOCUMENTS, BUT DO NOT GUARANTEE

ASTM DESIGNATIONS AND ALL STANDARDS REFER TO THE LATEST AMENDMENTS.

CONFORM TO APPLICABLE CAL/OSHA CONSTRUCTION SAFETY REGULATIONS FOR ALL WORK PERFORMED DURING CONSTRUCTION. JOB SITE SAFETY IS STRICTLY THE RESPONSIBILITY OF THE CONTRACTOR AND NOT THE

THE ENGINEER AND THEIR CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, HANDLING, REMOVAL OR DISPOSAL OF HAZARDOUS MATERIALS AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED, TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.

SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS, OR IF A CHANGE IN THE SCOPE OF WORK IS PROPOSED, A CONSTRUCTION CHANGE DOCUMENT DETAILING AND SPECIFYING THE REQUIRED CHANGE(S) SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. THE SCHOOL DISTRICT'S INSPECTOR OF RECORD SHALL INSPECT AND APPROVE THE ERECTED FRAME PRIOR TO

SEE REQUIREMENTS FOR LOCATION IN ANY FIRE HAZARD SEVERITY ZONE FOR WILDLAND URBAN INTERFACE AREAS (WUI) AS SPECIFIED IN THE APPLICABLE VERSION OF THE CALIFORNIA BUILDING CODE. PROVIDE PROTECTION AND DETAILS OF ALL AREAS COMPLYING WITH THE WUI REQUIRMENTS.

12. LOCATING THIS STRUCTURE CLOSER THAN 20 FEET TO OTHER STRUCTURES MAY AFFECT THE ALLOWABLE AREA FOR THE EXISTING CONSTRUCTION PER THE APPLICABLE VERSION OF THE CALIFORNIA BUILDING CODE. 13. VIEWS AND DETAILS ARE NOT DRAWN TO SCALE (UNLESS NOTED OTHERWISE). DO NOT SCALE THESE DRAWINGS. 14. OTHER SITE SPECIFIC ITEMS MAY BE REQUIRED.

# STRUCTURAL AND MISCELLANEOUS STEEL:

ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFIATION MANUAL REFERENCED BY THE LATEST EDITION OF THE

PIPE SECTIONS SHALL CONFORM TO ASTM A53, Fy = 35 ksi, GRADE B OR A501 UNLESS NOTED OTHERWISE.

STRUCTURAL TUBING (HSS SHAPES) SHALL CONFORM TO ASTM A500, GRADE B (OR HIGHER), Fy = 46 KSI. IF MATERIAL AVAILABILITY IS LIMITED, MEMBER THICKNESSES CAN BE INCREASED BEYOND WHAT IS SHOWN IN THESE

ALL CHANNELS, ANGLES, AND MISC. STEEL SHALL CONFORM TO ASTM A36, Fy = 36 KSI.

ALL COLD FORM STEEL SHALL CONFORM TO ASTM A653, CS = TYPE B, Fy = 50 KSI.

STRUCTURAL STEEL AND DECK SHALL BE IDENTIFIED FOR CONFORMITY PER CBC 2203A.1.

ROOF DECK SHALL CONFORM TO ATSM A792, Fy = 50 KSI.

MR ROOF SCREWS MEET ASTM A510 WITH A HEAD DIMENSION OF 0.31" (FLAT-TO-FLAT) AND INTEGRAL WASHER

11. SS ROOF SCREWS MEET ASTM A510 WITH A HEAD DIMENSION OF 0.437" (OUTSIDE DIAMETER).

## WELDING:

- ALL WELDING SHALL COMPLY WITH AWS D1.1 SPECIFICATIONS . CERTIFIED FOR THE TYPE OF WELDING TO BE PERFORMED AS REG
- ALL WELDING SHALL BE DONE BY GAS METAL ARC PROCESS WIT
- SHALL CONFORM TO CHARPY NOTCH TOUGHNESS RATING OF ALL WELDING SHALL BE DONE IN THE SHOP WITH REQUIRED INSP
- PROPER MATERIAL ID AND WELDING. WELD FILLER METAL MANUFACTURER SHALL PROVIDE WRITTEN C SPECIFICATIONS.

# **BOLTING:**

- ALL BOLTS SHOWN ON THESE DRAWINGS ARE ASTM A325 HIGH S
- HIGH STRENGTH BOLTS SHALL BE SAMPLED AND TESTED IN COMP
- BEFORE ERECTING THE FRAME, VERIFY ALL BOLTS AND NUTS ARE HARDWARE ALREADY FASTENED INSIDE THE MEMBERS. CHASING
- ANCHOR BOLTS (HEAVY HEX HEAD, ASTM F1554, GRADE 55) SHA ANCHOR BOLTS MAY BE HEADED OR THREADED WITH A NUT THAT
- HIGH STRENGTH NUTS SHALL CONFORM TO ASTM A563.
- HIGH STRENGTH WASHERS SHALL CONFORM TO ASTM F436.

THE BOLTING INSTALLATION REQUIREMENTS OUTLINED BELOW AR PERFORMANCE. THE INSTALLER IS REQUIRED TO COORDINATE TH BOLTING INSPECTOR AND THE INSPECTOR OF RECORD PRIOR TO T INSTALLED AND INSPECTED PER THE APPLICABLE VERSION OF AISO USING HIGH-STRENGTH BOLTS", CBC 1705A.2.1; AISC 341-10 J7;

- A. PRETENSIONED JOINTS (IDENTIFIED ON THE FRAME CONN MUST BE INSTALLED AND INSPECTED TO MEET ONE OF FO
  - 1. TURN-OF-NUT PRETENSIONING
  - 2. CALIBRATED WRENCH PRENTENSIONING
  - 3. DIRECT-TENSION-INDICATOR PRETENSIONING (CONTRACTOR RESPONSIBLE FOR PURCHASE OF
- B. ALL OTHER JOINTS MUST BE INSTALLED AND INSPECTED TO J JOINTS. NOTE TO INSTALLER AND INSPECTOR(S): THE SNUG-BOLTS IN THE JOINT HAVE BEEN TIGHTENED SUFFICIENTLY TO THE USE OF A WRENCH.

THE CONTRACTOR, SPECIAL BOLTING INSPECTOR AND THE INSPEC APPROACH WILL BE USED TO PRETENSION THE BOLTS. THE CONTRA APPROACH AGREED TO BY ALL PARTIES LISTED ABOVE.

## FOUNDATIONS:

- ALLOWABLE SOIL PRESSURES ASSUME CLASS 4 SOIL CLASSIFICA
- A GEOTECHNICAL REPORT / LETTER IS REQUIRED AT THE OVER-TH FILL AND BACKFILL SHALL BE COMPACTED TO 95% OF MAX. DE
- D1557-70. FLOODING NOT PERMITTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SHORING, E BANKS DURING EXCAVATION, AND FORMING AND PLACEMEN

# **CONCRETE**:

1.	MIX DESIGN REQUIREMENTS:	(NORMAL WEIGHT CONCRETE)

	STRENGTH f'c (28 DAYS)	W/C RATIO (NON-AIR ENTRAINED)	W/C RATIO (AIR ENTRAINED)	
	5000 PSI	0.63	0.55	
2.	CHANGES TO TH	HE MIX DESIGN MUST BE AP	PROVED BY THE EN	GINE
3.	AGGREGATES S MAX AGGREG	HALL CONFORM TO ASTM ATE SIZE = 1".	C33 WITH PROVEN	SHRI
4.	CEMENT SHALL	CONFORM TO ASTM C150	(TYPE V) UNLESS NO	DTED
5.		ll be maintained in a mo 100\$ will be approved i		
6.	CONCRETE SHA	LL NOT FREE FALL MORE TH	IAN FIVE FEET.	
7.	CONCRETE SHA	ALL BE PROPORTIONED PER	ACI 318-11 5.2.	
8.	CONCRETE SHA	LL BE TESTED PER CBC 1908	5A.1.2, 1913A.1, 17	'05A.

BEFORE SUBMITTING THESE PRE-CHECKED DRAWINGS FOR YOUR PROJECT, FOLLOW THE STEPS BELOW TO PROPERLY DEFINE THE APPROVED OPTIONS:

#### FRAME DIMENSIONS SUGGESTED OTHER FRAME WIDTH 🔀 20' □ 30' (30' N FRAME LENGTH D 44' □ 64' □ 84' - THE 20' AND 30' WIDTHS ARE SUGGESTED BECAUSE THEY ARE THE MOST ECONOMICAL × 40'-0" (№ - MAXIMUM WIDTH IS 30'; (SEE 'ARCHITECTURAL VIEWS' SHEET FOR REFERENCE) ROOF DECK - THE 44', 64', AND 84' LENGTHS ARE SUGGESTED BECAUSE THEY ARE THE MOST COMMON (20' BAYS ARE MOST ECONOMICAL) ROOF DECK TYPE - FRAME WIDTHS AND LENGTHS ASSUME 2' OVERHANGS (UNO BY ARCHITECT - 2' MAX DIMENSION) 🗙 SS Ss ACCELERATION (g) 2 697 - "SS" REPRESENTS MCELROY METAL "MEDALLION-LOK" 16" STANDING SEAM ROOF DECK Ss REGIONS<sup>1</sup> Ss REGIONS MAX D 0.000 < Ss <= 1.875 - SS VALUE DEPENDS ON THE PROJECT'S GEOGRAPHICAL LOCATION (VALUES RANGE FROM 0.00 TO 3.73) o BLUE 1.875 < Ss <= 2.500 - FIND SS VALUES FOR YOUR PROJECT ON THE USGS WEBSITE (SEARCH INTERNET FOR "USGS SEISMIC DESIGN MAPS") DESCRIPTIO 🔀 GREEN 2.500 < Ss <= 2.750 - THIS PC IS NOT APPROVED FOR SS VALUES GREATER THAN 3.00 (CONTACT POLIGON FOR ADDITIONAL OPTIONS) 2.750 < Ss <= 3.000 D YELLOW REFERENCE DSA BU 14-01 FOR A MAP OF VARIOUS SS REGION TOTAL ROOF DEAD LOAD DEAD LOAD EXAMPLES - THE SS REGION DICTATES THE MAXIMUM DEAD LOAD PERMITTED ON THE FRAME (SEE TABLE TO THE RIGHT) MR = 1.2 PSF; SS = 1.8 PSF (SEE STEP 2) 1.8 PSF ROOF DECK LIGHTING, FIRE SUPPRESSION, PV PANELS, COLLATERAL PSF ADD ROOF DECK AND COLLATERAL LOAD IOTAI<sup>2</sup> PSF PROVIDE DSA WITH EVIDENCE THAT THE COLLATERAL LOAD FOR YOUR PROJECT MEETS THESE REQUIREMENTS <sup>2</sup> MAY NOT EXCEED REQUIREMENTS LISTED IN STEP 4 BELOW - THE COLLATERAL LOAD REPRESENTS ADDITIONAL LOAD THAT CAN BE SUPPORTED BY THE FRAME - BE SURE THE TOTAL ROOF DEAD LOAD FOR YOUR PROJECT IS LESS THAN OR EQUAL TO THE MAX DEAD LOAD SHOWN IN STEP 4 FOUNDATION REQUIREMENTS LOAD SPREAD **Ss REGION** DEAD LOAD (DL) SCENARIO PAD DL <= 2 PSF **LOAD SCENARIO 1** WHITE 2 PSF < DL <= 5 PSF LOAD SCENARIO 2 BLUE DL <= 3.5 PSF LOAD SCENARIO 3 - E.G. A PROJECT IN THE WHITE SS REGION WITH A 4 PSF ROOF DEAD LOAD IS LOAD SCENARIO 2 - LOAD SCENARIOS HAVE NO IMPACT ON FRAME DESIGN OR COST (BUT DO AFFECT FOUNDATION SIZE) GREEN DL <= 2 PSF **X** LOAD SCENARIO 4 YELLOW DL <= 2 PSF LOAD SCENARIO 4 - FOUNDATION TYPE IMPACTS STEEL FABRICATION (COLUMN LENGTH) AND CONSTRUCTION (TIMING, SEQUENCE, COST, ETC.) - POLIGON CAN REVIEW THE SITE-SPECIFIC SOILS REPORT TO EVALUATE THE POSSIBILITY OF SMALLER FOUNDATIONS

	REINFO	<u>RCING STEEL:</u>			
AND SHALL BE DONE BY AWS QUALIFIED WELDERS QUIRED BY DSA. TH E70XX ELECTRODES. FLUX CORE ARC WELD	(DEFC	ORCING STEEL SHALL BE DEFORM ORMATIONS SHALL BE IN ACCORD GR 60: (#4 BARS AND LARGER) GR 40: (#3 BARS)	ED STEEL CONFO ANCE WITH ASTA	DRMING TO THE A A305) AS FOL	REQUIREMENTS OF ASTM A61
20 ft-lb @ (O° F). 20 ft-lb @ (O° F).	<ol> <li>DETAILING, FABRICATION, AND ERECTION OF REINFORCING BARS SHALL CONFORM THE ACI "MANU, STANDARD PRACTICE FOR DETAILING REINFORCING CONCRETE STRUCTURES."</li> </ol>				
CERTIFICATION OF COMPLIANCE WITH CODE AND	3. MIN.	COVER FOR CAST-IN-PLACE CON	CRETE SHALL BE		
		<ul> <li>A. CAST AGAINST EARTH</li> <li>B. CAST AGAINST FORM BELOW</li> <li>C. FORMED SLABS (#11 BAR &amp; SM</li> <li>D. SLABS ON GRADE (FROM TOP</li> <li>E. COLUMNS AND BEAMS (MAIN</li> <li>F. WALLS EXPOSED TO WEATHER</li> </ul>	GRADE VALLER) VOF SLAB) I BARS)	2" 3/4" 1" 2" 2"	·
STRENGTH BOLTS (UNO), TYPE 3. PLANCE WITH CBC 2213A.1.	4. BARS	G. NOT EXPOSED TO WEATHER SHALL BE CLEAN OF RUST, GREAS	(#11 & SMALLEŔ	) 3/4"	
E CLEAN OF DEBRIS AND BURRS - INCLUDING THE G SOME OF THE BOLTS AND NUTS MAY BE REQUIRED.	5. REIN	FORCING SHALL BE LAP SPLICED 4			
ALL BE HOT DIPPED GALVANIZED PER ASTM F2329.	6. PRIC	R TO PLACING OF CONCRETE, REIL		L AND EMBEDD	ED ITEMS SHALL BE WELL SECUI
AT IS PREVENTED FROM ROTATING.		FORCING STEEL SHALL BE SAMPLEE		R CBC 1913A.2	•
RE CRITICAL TO THE STRUCTURE'S DESIGN AND IS PHASE OF CONSTRUCTION WITH THE SPECIAL THE ERECTION OF THE FRAME. ALL BOLTS SHALL BE SC'S "SPECIFICATION FOR STRUCTURAL JOINTS		RE POWDER COATING PROCESS C	-		S STEEL FABRICATION.
AISC 360-10 N5.6. IECTION DETAILS WITH A "PJ REQUIRED")	2. ALL (	CARBON STEEL MEMBERS (COLUMI DARD PRACTICE' AND THE "AISC S	NS, BEAMS, PLAT	es, etc.) paint	ED WITH PRIME COAT PER THE '
DLLOWING REQUIREMENTS:		S PRETREATED IN A 3 STAGE IRON		•	
		(Y PRIMER POWDER COAT APPLIED			
F REQUIRED WASHERS)	CUST	POWDER COAT OF SUPER DURABL OM COLOR).	·		
MEET THE REQUIREMENTS OF SNUG-TIGHTENED -TIGHT CONDITION EXISTS, IN PART, WHEN ALL THE D PREVENT THE REMOVAL OF THE NUTS WITHOUT	6. SAM	PLE PRODUCTION PARTS TESTED TO A. SALT SPRAY RESISTANCE PER AS 1. 10000 HOURS WITH NO B. HUMIDITY RESISTANCE PER ASTA 1. 5000 HOURS WITH NO C. COLOR/UV RESISTANCE PER AS	STM B 117/ ASTM CREEP FROM SC M D2247-02 LOSS OF ADHESI STM G154-04	D 1654 CRIBE LINE AND ION OR BLISTER	RATING OF 10
CTOR OF RECORD MUST ALL AGREE ON WHICH ACTOR IS RESPONSIBLE FOR DOCUMENTING THE		1. 2000 HOURS EXPOSUR COLOR VARIATION MA EXPOSURE	E ALTERNATE CY XIMUM 3.0 E VA	CLES WITH NO RIATION CIE FC	CHALKING, 75% COLOR RETEN RMULA (BEFORE AND AFTER 20
	ABBRE	VIATIONS:			
TION PER CBC TABLE 1806A.	ACI	AMERICAN CONCRETE I	INSTITUTE	MR	MULTI-RIB ROOF PANEL (MCE
<b>ENSITY IN ACCORDANCE WITH ASTM TEST METHOD</b>	AISC	AMERICAN INSTITUTE OF STEEL C ASSEMBLY (INTERNAL REF		NTS NO	NOT TO SCALE NUMBER
TC. NECCESSARY TO SUPPORT CUT AND/OR FILL	. ASTM	AMERICAN SOCIETY FOR TESTIN			ON CENTER
T OF CONCRETE.	AWS CBC	AMERICAN WELDING S CALIFORNIA BUILDING		OSHA OC PCF	CUPATIONAL HEALTH AND SA POUNDS PER CUBIC FOC
	CJP	COMPLETE JOINT PENET	RATION	PD	POLIGON DRAWING
	CLR DEG	CLEAR		PJ PLCS	PRETENSIONED JOINT PLACES
SLUMP UNIT WEIGHT	DIA	DIAMETER	· · · · · ·	PLT	PLATE
(± 1") (NORMAL WEIGHT) 3" 150 PCF INEER OR ARCHITECT OF RECORD AND DSA	DIM	DIMENSION DIVISION OF THE STATE AI	RCHITECT	PSF PSI	POUNDS PER SQUARE FOO POUNDS PER SQUARE INC
HRINKAGE CHARACTERISTICS OF LESS THAN .005.	EQ FT	EQUAL		QTY REF	QUANTITY
ED OTHERWISE ON THE DRAWINGS.	GA	GAGE		RH	RIGHT HAND
A MINIMUM OF FIVE DAYS AFTER PLACEMENT. ORMANCE CAN BE ASSURED.	IN KSI	INCHES KIPS PER SQUARE IN	ICH	SQ SS ST/	SQUARE
	LH	LEFT HAND		TYP	TYPICAL
5A.3, AND ACI 318-11 5.6.	MAX MIN	MAXIMUM MINIMUM		UNO USGS	UNLESS NOTED OTHERWIS
	MISC			W/	WITH
	MPH	MILES PER HOUR			
STEP 7: SELECT MISCELLANEOUS OPTIONS FOR					MISCELLANEOUS
- MAXIMUM CLEAR HEIGHT IS 10'-0"; (SEE ', - MARK UP PC DRAWINGS WITH SIZE AND (AX)			STEP 7	CLEAR HEK	
STEP 8: SELECT APPLICABLE SHEET INDEX FOR YO - REFERENCE THE BASE FRAME (STEP1) AND		TYPE (STEP 2)		GUT	
- IDENTIFY THE APPLICABLE SHEET INDEX	R DSA SUBMITTA			SHE	ET INDEX
- EXCLUDE 'MISC DESIGN OPTIONS' SHEET				BASE FRA ROOF DE	
STEP 10: IDENTIFY PROJECT NAME AND SCHOO PROJECT NAME:	L DISTRICT			SELECT C	
Dunsmore Elementary School	]		SIEP 8	GENERAL NO SPECIAL INSPECTIO	
5 PSF SCHOOL DISTRICT:				FOUNDATION PL	AN PD3.0 PD3.0 PD3.1
Glendale Unified School District	t		FRAME	CONNECTION DETA SECTION DETA	AILS PD5.0 PD5.0 PD5.1
				PLATE DETA ARCHITECTURAL VIE	WS PD7.0 PD7.0 PD7.1
EIC.				CONNECTION DET/ MISC DESIGN OPTIC	
DRILLED					
DRILLED PIER					

