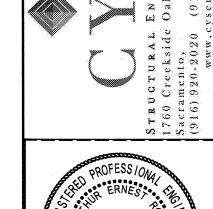


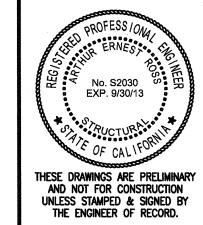
STEEL ORDINARY MOMENT RESISTING FRAME MODULAR BUILDING
(1) 12'x40' RELOCATABLE RESTROOM BUILDING FOR LA CANADA COLLEGE

			SAN MATEO COMMUNITY COLLEGE DISTRICT (REFERENCE P.C 02 - 112290) - (REFERENCE P.C 02 - 112284)										
(REFERENCE P.C 02 - 112290) - (REFERENCE P.C 02 - 112284)													
	TEST & INSPECTION GUIDELINE								PC GENERAL NOTES	OPT. COMBINATIONS ALLOWED	DESIGN CRITERIA		
MATERIAL TYP	ITEM# -Site has been prepa	WO FLC ON ared properly	TOCKPILE	C (diaphragr	ONSTRUCTION m material—foundat	FRAME BUILDI ON TO BE DONE) N OF ion material) CONCRETE FLOOR - CONCRETE FOUNDATION	RELOCAT CERTIFIED	TION OF BUILDING	1. THIS PC IS NOT APPROVED FOR "A" OCCUPANCY USES. 2. PC BUILDING CLASSIFIED AS OCCUPANCY "A" WITH OCCUPANT LOAD 100 OR MORE CAN NOT BE REVIEWED OVER THE COUNTER (OTC).		DEAD AND LIVE LOADS FLOOR: LIVE LOAD - 50.0 PSF 65.0 PSF 125.0 PSF		
Verify the necessity of the Tests and/ or Inspections with the requirements of the application that this PC is part of.	prior to fill placement -Fdn excavations ext depth and material -Materials below foot 2a Perform qualification materials 2b Proper fill materials, I placement and comp placement. 2c Compaction test 7a Verify required design Perform slump and (v	tended to proper ting are adequate testing of lift thickness paction during gn mix (where	X		X X X	X X X X		X X X	 PC BUILDING APPROVED ONLY FOR OCCUPANCY E, or B, or A (STRUCTURAL CATEGORY I & II) WITH OCCUPANT LOAD LESS THAN 300. PC BUILDING EXITING IS BASED ON THE USE OR OCCUPANCY AND WILL BE REVIEWED AS SITE SPECIFIC. PC BUILDING LOCATED IN FIRE HAZARD SEVERITY ZONES PER WILDLAND URBAN INTERFACE FIRE AREAS (WUI) SHALL CONFORM TO CBC CHAPTER 7A. THIS PC IS NOT APPROVED FOR FIRE HAZARD SEVERITY 	Option combination table 12'x40' PC not applicable / not allowed Exterior finish Standard MDO, lap siding, wood clad siding X X X X X X X X X X X X X X X X X X X	FLOOR: DEAD LOAD - 8.0 PSF ROOF: LIVE LOAD - 20.0 PSF (SNOW) 30.0 PSF (SNOW) ROOF: DEAD LOAD - 8.0psf (14.0psf W/1HR ROOF) ALLOWABLE SOIL PRESSURE		
	7c required) air content idetermine temperature tests 7d Test concrete - compitests 7e inspect batching of content in spect batching of content in spect placement of requirements. Inspect placement of reinforcing and embeover steel deck - by Foreign required Design in spect placement of reinforcing and embeover steel deck - by Foreign required Design in spect placement of reinforcing and embeover steel deck - by Foreign required Design in specific placement of reinforcing and embeover steel deck - by Foreign required Design in specific placement in specific placeme	ure of concrete pression concrete - Int Inspection itions and of concrete, edded items RBIP	X X X X		X	X X X X		X	 THIS PC IS NOT APPROVED FOR FIRE HAZARD SEVERITY ZONES PER C.B.C. CHAPTER 7A. SITE AND USE SPECIFIC REQUIREMENT FOR AUTOMATIC SPRINKLER SYSTEM AND FIRE ALARM SYSTEM MIGHT BE REQUIRED BUT NOT INCLUDED IN THIS PC APPROVAL. THIS BUILDING IS STRUCTURALLY DESIGNED TO SUPPORT THE WEIGHT OF A FUTURE FIRE SPRINKLER SYSTEM (EQUIVALENT TO 1.5 psf MAXIMUM), IF REQUIRED. 	Roof slope Bi-pitch X X X X Shed X X X X X Roof load/column 20 psf. TS 5 x 5 x 1/4" X X X X X X X X X X X X X X X X X X X	DL (WOOD FOOTING) DL + LL (WOOD FOOTING) DL + LL + SEISMIC (WOOD FOOTING) DL + LL (CONCRETE FOOTING) DL + LL + SEISMIC (CONCRETE FOOTING) ROOF SNOW LOAD 900 PSF 1000 PSF 1000 PSF 1333 PSF 1500 PSF 1500 PSF		
	7b Test reinforcing Steel See Note 1 for Waive Story Bidgs. 7c Perform slump and (v required) air content determine temperatu 7d Test concrete - comp tests 7e inspect batching of concrete, reinforcing	where test; ure of concrete pression concrete -			X X X X	X X X X		X X X	9. THIS PC IS APPROVED FOR CLIMATE ZONES 1 THROUGH 16.	Fire rated const. NR / Sprinklered 1-hour throughout (entire roof & all walls) Fire barriers (int & ext., multiple walls) X X X X X X X X X X X X X X X X X X X	SLOPED Pf 30 PSF SNOW EXPOSURE FACTOR, Ce 1.2 SNOW LOAD IMPORTANCE FACTOR, I 1.0 THERMAL FACTOR, Ct 1.0 FLOOD DESIGN BUILDINGS IN THIS PC ARE NOT DESIGNED TO BE LOCATED IN A FLOOD HAZARD AREA		
LSOA STRUCTURAL	embedded items - by Project inspector Inspect installation of installed anchors Test post-installed ar -Materials are approx	of post		·	X	X		X	DSA GENERAL NOTES 1. ALL MATERIALS & WORKMANSHIP SHALL CONFORM TO THE 2010 CALIFORNIA BUILDING CODE (C.B.C.). A COPY OF THE CALIFORNIA BUILDING CODE SHALL	2010 CALIFORNIA ADMINISTRATIVE CODE (CAC) (PART 1, TITLE 24, CCR) 2010 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1, 2 (PART 2, TITLE 24, CCR)	WIND DESIGN BASIC WIND SPEED (3 SECOND GUST), V WIND EXPOSURE FACTOR METHOD 1 ASCE 7-05, SEC 6.4 - SIMPLIFIED PROCEDURE		
STEEL	marked -Mfr. certified mill tes -Material sizes, types comply with requirem 17b Sample and test all u structural steel and s	st reports ss and grades ments unidentified steel deck	(X (X	X	X	X			BE KEPT ON THE SITE AT ALL TIMES. 2. CHANGES TO THE APPROVED DRAWINGS & SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CHANGE ORDER APPROVED BY THE ARCHITECT OF RECORD, OWNER, & THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED.	(2009 EDITION INTERNATIONAL BUILDING CODE WITH 2010 CALIFORNIA AMENDMENTS) 2010 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR) (2008 EDITION NATIONAL ELECTRICAL CODE WITH 2010 CALIFORNIA AMENDMENTS)	ADJUSTMENT FACTOR, \(\lambda\) 1.21 SIMPLIFIED WIND PRESSURE, P _{\$30} SEISMIC DESIGN		
MATER	17c Examine seam welds tubes and pipes	ions, bracing ructed in the) ions, ions and all	(X X X X X X X X X X X X X X X X X X X	X	X	X			3. A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) & APPROVED BY THE ARCHITECT OF RECORD & THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-333(b) OF 2010 TITLE 24, PART 1. 4. MATERIAL TESTING AS NOTED IN THE STRUCTURAL TESTS & INSPECTIONS	2010 CALIFORNIA MECHANICAL CODE (CMC) (PART 4, TITLE 24, CCR) (2009 EDITION IAPMO UNIFORM MECHANICAL CODE WITH 2010 CALIFORNIA AMENDMENTS) 2010 CALIFORNIA PLUMBING CODE (CPC) (PART 5, TITLE 24, CCR)	LATERAL FORCE RESISTING SYSTEM ORDINARY STEEL MOMENT FRAMES ANALYSIS PROCEDURE EQUIVALENT LATERAL FORCE PROCEDURE SEISMIC DESIGN CATEGORY (SDC) D SEISMIC IMPORTANCE FACTOR, I 1.0 V=EQUIV. LATERAL FORCE PROCEDURE BASE SHEAR (STRENGTH DESIGN) $V = C_g W = 0.286W$		
1 OF MATERIALS	Verify weld filler mate identification marking designation listed on approved documents WPS Verify weld filler mate	rerial g per AWS n the DSA s and the	X X	X	X	X			AT THE LEFT SHALL BE PERFORMED AS REQ. PER SECTION 1704A & 2212A, & 1916A FOR CONCRETE OF 2010 C.B.C. MATERIAL TESTING REQUIRED BY FIRE REGULATIONS SHALL BE PERFORMED BY A NATIONALLY RECOGNIZED TESTING LABORATORY. 5. VERIFIED REPORTS (DSA/SSS FORM 6) SHALL BE SUBMITTED PER SECTION	(2009 EDITION IAPMO UNIFORM PLUMBING CODE WITH 2010 CALIFORNIA AMENDMENTS) 2010 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR). (2008 EDITION CALIFORNIA ENERGY COMMISSION BUILDING ENERGY EFFICIENCY STANDARDS) 2010 CALIFORNIA FIRE CODE (CFC) (PART 9, TITLE 24, CCR). (2009 EDITION OF INTERNATIONAL FIRE CODE WITH 2010 CALIFORNIA AMENDMENTS) 2010 CALIFORNIA GREEN CODE (PART 11, TITLE 24, CCR)	$C_s = \frac{S_{SS}}{(R/I)} = \underline{0.286}$ BASIC SEISMIC FORCE RESISTING SYSTEM: ORDINARY STEEL MOMENT FRAMES $R = \underline{3.5} \qquad P = \underline{1.0} \qquad \text{SITE CLASS: D}$ $I = \underline{1.0} \qquad C_d = \underline{3.0} \qquad *S_s = \underline{1.5} \qquad F_A = \underline{1.0} \qquad S_{DS} = \underline{1.0}$ $\Omega = \underline{3.0} \qquad S_1 = \underline{N/A} \qquad F_V = \underline{1.0} \qquad S_{D1} = \underline{1.0}$ * MAXIMUM S_s FOR REGULAR STRUCTURES FIVE STORIES OR LESS WITH PERIOD OF 0.5 SECONDS OR LESS PER ASCE 7-05 12.8.1.3 MAPPED MCE, 5% DAMPED, SPECTRAL RESPONSE ACCELERATION ACCELERATION AT ONE SECOND PERIOD, S1 N/A LONG PERIOD SITE COEFFICIENT, F_V 1.0 DESIGNED, 5% DAMPED, SPECTRAL RESPONSE ACCELERATION ACCELERATION AT ONE SECOND PERIOD, S D1 1.0 HORIZONTAL OR VERTICAL IRREGULARITIES TYPE(S) N/A		
VERIFICATION	19b manufactures's certification of the manufactures's certificati	qualifications	<	X X X	XXXX	X X X			 4-336, 4-341(f), 342(b)(8), AND 4-343 (c) BY THE MANUFACTURER, INSPECTOR, STRUCTURAL ENGINEER. 6. A SEPARATE DSA APPLICATION NUMBER MUST BE OBTAINED BEFORE MANUFACTURING ANY ENVIROPLEX UNIT IN ACCORDANCE WITH THESE DRAWINGS. 7. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD & ACCESS REQUIREMENTS & ENVIROMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES. 8. SPECIAL INSPECTIONS PER CHAPTER 17A, 2010 C.B.C. 				
dOHS	19.1b Inspect single-pass fillet w ≤ 5/16" 19.1c Inspect welding of stairs a railing systems. Note 3. 19.2a Inspect groove, multi-pass fillet welds > 5/16"	tairs and te 3.	(X (X	X	X X X	X X X		X					
LIELD	19.2b Inspect single-pass fi ≤ 5/16" 19.2f Inspect welding of strailing systems. 24a Shop Welding - Inspect old-formed steel Periodic/Special I	tairs and pection welding of pector	(X	X	X X X	X X		X		NFPA 72 - 2010	CONSTRUCTION TYPE: V-B OCCUPANCY: E BUILDING AREA: 480 S.F. NOMINAL NUMBER OF STORIES: 1		
OTHER - SHOT PIN (Two Story Modular)	24b steel floor deck welds Periodic/Special Insp S Ceiling wire hangers metal deck with cond	ds pector	X			X							
INSPECTOR CLASS	Test/Lab (minimum requirements) PROJECT INSPECTOR AND TE	R STING AGENCY by D	RBIP or Class 1 In Plant RBIP or Class 1 Site: Class 4 for Single Story Site: Class 2 for Two-story By the Owner and approved by DSA, A/E of Record and Structural Engineer By the School District and approved by DSA, A/E of Record and Structural Engineer			Class 2 for	r Two-story						
AND TESTING AGE	COST OF THE PROJECT INSPECTOR (Title 24, Part1, Section 4–333(b) AND TESTING AGENCY (Title 24, Part 1, Section 4–335)) By the Owner By the School District The Example form DSA-103's shown on this sheet are for illustration purposes only to assist						tion number on	ly to assist					
NOTE 2: Required only where the details of the PC specify the use of this type of anchor NOTE 3: Required only where the details of the PC specify this Welding in the completion of future project-specific form DSA-103's. A form DSA-103 is to be completed for each Application that this PC is being incorporated into and all Example form DSA-103's are to be crossed out on this drawing.							m DSA-103 is to I Example form D	be completed DSA-103's				CONFIDENTIAL MATERIAL—THESE DOCUMENTS ARE THE PROPERTY OF AND ARE NOT TO BE REPRODUCED OR DISTRIBUTED WITHOUT FULL KNOWLEDGE AND WRITTEN CONSENT FROM ENVIROPLEX, INC. © COPYRIGHT ENVIROPLEX, INC. (ALL DRAWINGS PREPARED BY ENVIROPLEX, INC.)	

SHEET INDEX

- RESTROOM FLOOR PLAN, INTERIOR & EXTERIOR ELEVATIONS, MATERIAL SPECIFICATIONS, GENERAL NOTES A1D - VARIABLE PITCH ROOF PLAN, EXTERIOR ELEVATIONS
- REFLECTED CEILING PLANS & CEILING ATTACHMENT DETAILS - ELECTRICAL POWER PLAN, SIGNAL PLAN, LIGHTING PLAN, DETAILS, ELECTRICAL NOTES
- VARIABLE PITCH ROOF SECTIONS AND DETAILS
- INTERIOR WALL CONNECTION DETAILS - MISCELLANEOUS DETAILS - CONCRETE FOUNDATION PLAN, FOOTING DETAILS, NOTES
- S1C.1 ALTERNATE FOOTING DETAILS S1C.2 - MISCELLANEOUS FOOTING DETAILS
- S2D VARIABLE ROOF, CEILING, FLOOR FRAMING PLANS, STRUCTURAL STEEL PROPERTIES, NOTES - VARIABLE SLOPE ROOF, STRUCTURAL DETAILS
- VARIABLE SLOPE ROOF BUILDING SECTION, WALL FRAMING ELEVATIONS, END FRAME ELEVATION, NAILING SCHED





REV / DATE: THIS MODULAR JOG.

BEEN ENGINEE D BY REGISTERED S JCTURAL ENGINEER AND EVIOUS REVIEWED & AF THE DIVISION OF THE STATE ARCHITECT, FIRE & LIFE SAFETY AND ACCESS

COMPLIANCE SECTION

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