

# 12'x40' RELOCATABLE BUILDING BAKERSFIELD SCHOOL DISTRICT

PIONEER DRIVE ELEMENTARY SCHOOL

EXPOSED - STEEL

### MODULAR STEEL MOMENT FRAME TEST & INSPECTION GUIDELINE

A SEPARATE TEST AND INSPECTION LIST IS TO BE SUBMITTED AS PART OF THE APPROVAL PROCESS. THIS GUIDE DOES NOT REPLACE THE TEST AND INSPECTION LIST TYPE OF MODULAR STEEL MOMENT FRAME BUILDING PROJECT

TESTS and INSPECTIONS  MATERIAL TYPE DESCRIPTION			STOCKPILE		CONSTRUCTION OF (diaphragm material-foundation material)			RELOCATION OF CERTIFIED BUILDING	
			Wood Floor Only	Concrete Floors	Plywood Floor Only - Wood Foundation	Plywood Floor - Concrete Foundation	Concrete Floor - Concrete Foundation	Wood Foundation	Concrete Foundation
COMPACTED	T	Fill Materials				X	X		Х
FILL (Two Story Relocatable)	By Geotech	Proper fill materials, lift thickness, placement and compaction during placement. Continuous				Х	X		Х
		Compaction test only as ordered				X	X		Х
CONCRETE	LT WT FILL OVER DECK (Two-story)	Mix Design							
		Waiver of Batch Plant Inspection See Note 1 for conditions and requirements							·
		Inspect Placing over Steel Deck - by RBIP							
		Slump Test; determine Temperature of Concrete See Note 2 for additional test							
		Compression Tests							
	FOUNDATION	Mix Design				X			X
		Waiver of Batch Plant Inspection See Note 1 for conditions and requirements				X	X		х
		Inspect Placing - by Project Inspector				Х	X		Х
		Slump Test; determine Temperature of Concrete See <b>Note 2</b> for additional test				X	x		х
		Compression Tests				Х	X		Х
REINFORCING STEEL		Sample and Test Bar Steel - #5 & Larger				X	X		Х
		Inspect Placing at Project Site - by Project Inspector				X	X		Х
STRUCTURAL STEEL		Mfr. Certified Mill Test Reports	X	X	X	X	X		
		Shop Fabrication	X	X	X	X	X		
		Inspection of Welds - Shop	X	X	Х	Х	X		
		Inspection of Welds - Field See Note 3			X	X	X	X	Х
		Sample and Test all Unidentified Structural Steel and Steel Deck	Х	Х	Х	Х	Х		
		Examine seam welds of structural tubes and pipes	Х	Х	X	X	X		
GROUNDING		Electrical grounding	<del>                                     </del>		X	X	X	X	X
SHOT PINS		Ceiling wire hangers	X	X	X	X	X		
EXPANSION ANCHORS		See Note 4	<b></b>	*****		X	X		X
EPOXY ANCHORS See Note 4					X	X		X	
INSPECTOR CLASS (minimum requirements)			RBIP or Class 1		In Plant: RBIP or Class 1 Site: Class 4			Class 4	
SELECTION OF THE PROJECT INSPECTOR AND TESTING AGENCY			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				
COST OF THE PROJECT INSPECTOR (CA Admin Code 4-333(b) AND TESTING AGENCY (CA Admin Code 4-335)			By the	Owner	By the School District				
COPIES OF THE REPORT TO:			I.O.R./	DSA (Original) I.O.R./ P.I Architect Structural Engineer School District DSA (Original)					

#### ITEMS IN RED FONT COLOR ARE USER NOTES AND INDICATE ITEMS THAT NEED TO BE VERIFIED FOR EACH SPECIFIC PC. THE NOTES IN RED ABOVE AND BELOW ARE TO BE REMOVED PRIOR TO PLACING THE GUIDELINE ON THE DRAWINGS

Verify that Either Condition a or b are met: a) Concrete Plant complies fully with ASTM C94, Section 8 and 9, and has a current certification indicating the plant has automatic batching and recording capabilities from the National Ready Mixed Concrete Association b) Compressive strength: 3500 psi Specified - 2500 psi Design

Manufacturer

Requirements c thru f are met: c) Inspector to check first batching at start of work and furnish mix proportions to licensed weighmaster
 d) Licensed Weighmaster to positively identify materials as to quantity and certify each load by a ticket Tickets transmitted to Inspector of Record

Submit Weighmaster Affidavit Note 2: Air Content Test as required based on site location (for cold weather conditions) Note 3: Required where the details of the PC specify a Welding Note 4: Required where the details of the PC specify the use of this type of anchor

**REVISIONS** NO DATE DESCRIPTION

DATE: 08/12/10 SCALE: NOTED DRAWN BY: RS

I.O.R./ P.I

CUSTOMER:

ASME 17.1

BAKERSFIELD SCHOOL DISTRICT PIONEER DRIVE ELEMENTARY SCHOOL

BUT NOT INCLUDED IN THIS PC APPROVAL.

Elevator Standard

12'X40' RELOCATABLE BUILDING **COVER SHEET** 

Clean Agent Fire Extinguishing Systems

GENERAL NOTES

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

SITE USE SPECIFIC REQUIREMENT FOR AUTOMATIC SPRINKLER SYSTEM MIGHT BE REQUIRED

Reference code sections for applicable Standards — 2007 CBC Chapter 35 and 2007 CFC Chapter 45.

FIRE AREAS (WUI) SHALL CONFORM TO CBC CHAPTER 7A.

#### E OR B, OR A CATEGORY I & II WITH OCCUPANT LOAD LESS THAN 300. OCCUPANCY TYPE OF CONSTRUCTION WIND LOAD EXPOSURE = CFLOOR LIVE LOAD 50 PSF LIVE LOAD+15 P.S.F 20 LBS/SQ FT ROOF LIVE LOAD FIRE SPRINKLER SYSTEM WEIGHT (PSF) ALLOWABLE SOIL PRESSURE (PSF) 1,500 FOR CONCRETE FLOOD HAZARD AREA BUILDING AREA 480 SQ FT CLIMATE ZONES 1-16 MODULES MOMENT-RESISTANT SYSTEM 12' x 40' MODULES FOUNDATION TYPE CONCRETE / WOOD $S_{D1} = 0.000$ T = 0.190SEISMIC $S_1 = 0.000$ 1 = 1.00Site Class = DR = 3.50 $F_{a} = 1.0$ Seismic design $\Omega_0 = 3.00$ $F_{v} = 0.0$ $S_{DS} = 1.000$ $C_d = 3.000$ APPLICABLE CODES PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2008 2007 BUILDING STANDARS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R. 2007 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2006 INTERNATIONAL BUILDING CODE VOLUMES 1-3 AND 2007 CALIFORNIA AMENDMENTS) 2007 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. (2005 NATIONAL ELECTRICAL CODE AND 2007 CALIFORNIA AMENDMENTS) 2007 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R. (2006 UNIFORM MECHANICAL CODE AND 2007 CALIFORNIA AMENDMENTS) 2007 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2006 UNIFORM PLUMBING CODE AND 2007 CALIFORNIA AMENDMENTS) 2007 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 C.C.R. 2004 SAFETY CODE FOR ELEVATORS AND ESCALATORS (ASME A17.1-2004) 2007 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2006 INTERNATIONAL FIRE CODE AND 2007 CALIFORNIA AMENDMENTS) 2007 CALIFORNIA EXISTING BUILDING CODE, PART 10, TITLE 24 C.C.R. (2006 INTERNATIONAL EXISTING BUILDING CODE AND 2007 CALIFORNIA AMENDMENTS) 2007 CALIFORNIA "GREEN" BUILDING REQUIREMENTS, PART 11, TITLE 24 C.C.R. (PENDING ADOPTION) 2007 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R. TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS. PARTIAL LIST OF APPLICABLE STANDARDS 2002 Edition Automatic Sprinkler Systems NFPA 14 Standpipe Systems 2003 Edition 2002 Edition NFPA 17 Dry Chemical Extinguishing Systems NFPA 17a 2002 Edition Wet Chemical Systems NFPA 20 2003 Edition Stationary Pumps NFPA 24 Private Fire Mains 2002 Edition NFPA 72 2002 Edition National Fire Alarm Code (California Amended) (Note See UL, Standard 1971 for "Visual Devices") Critical Radiant Flux of Floor Covering Systems 2006 Edition NFPA 2001 2004 Edition

BUILDING DATA

## DRAWING INDEX

COVER SHEET TYPICAL FLOOR PLANS TYPICAL INTERIOR ELEVATIONS TYPICAL EXTERIOR ELEVATIONS (SYNT. STUCCO OPTION) ARCHITECTURAL DETAILS (SYNT. STUCCO OPTION) ACCESSIBLE DETAILS GENERAL NOTES ISOMETRIC PLANS & DETAILS TYPICAL CEILING PLAN & NOTES MECHANICAL BUILDING SECTION & CEILING DETAILS CEILING & MECHANICAL NOTES □ E1 TYPICAL ELECTRICAL PLAN & NOTES □ E2 ELECTRICAL NOTES & DETAILS CONCRETE FOUNDATION PLAN 50 PSF LIVE LOAD+15 P.S.F & 125 PSF ☐ S1B CONCRETE FOUNDATION DETAILS □ S1C CONCRETE FOUNDATION DETAILS □ S2 FLOOR FRAMING PLAN & DETAILS (PLYWOOD OPTION) ROOF FRAMING PLAN & DETAILS (OPEN SOFFIT OPTION) ROOF FRAMING PLAN & DETAILS (ENCLOSED SOFFIT OPTION) TYPICAL FRAME ELEVATIONS FRAME CONNECTION DETAILS WALL FRAMING ELEVATIONS

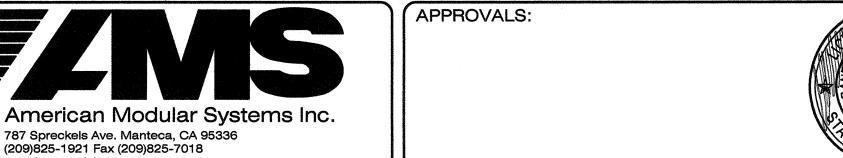
WALL FRAMING DETAILS

BUILDING SECTIONS

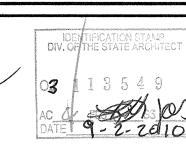
2004 Edition

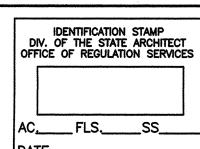
**S7** 

BASED ON PC# 02-109808









PROJECT No.