



American Modular Systems Inc.

24' x 40' RELOCATABLE BUILDINGS BAKERSFIELD CITY SCHOOL DISTRICT (PIONEER DRIVE ELEMENTARY SCHOOL)

EXPOSED STEEL-2:12 PITCHED ROOF

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 (X - INDICATES TEST OR INSPECTION TO BE DONE)

| 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 FILL (Two Story Relocatable) | By Geotech | Fill Materials | | | X | X | | | X |
| | | Proper fill materials, thickness, placement and compaction during placement. Continuous | | | X | X | | | X |
| CONCRETE | LTV FILL OVER DECK (Two-story) | Completion test only as ordered | | | X | X | | | X |
| | | Mix Design | | X | | X | | | |
| | | Waiver of Batch Plant Inspection See Note 1 for conditions and requirements | | X | | X | | | X |
| | | Inspect Placing over Steel Deck - by RBIP | | X | | X | | | |
| FOUNDATION | LTV FILL OVER DECK (Two-story) | Slump Test; determine Temperature of Concrete - See Note 2 for additional test | | X | | X | | | |
| | | Compression Tests | | X | | X | | | |
| | | Mix Design | | | X | X | | | X |
| | | Waiver of Batch Plant Inspection See Note 1 for conditions and requirements | | | X | X | | | X |
| REINFORCING STEEL | FOUNDATION | Inspect Placing by Project Inspector | | | X | X | | | X |
| | | Slump Test; determine Temperature of Concrete - See Note 2 for additional test | | | X | X | | | X |
| | | Compression Tests | | | X | X | | | X |
| | | Mix Design | | | X | X | | | X |
| STRUCTURAL STEEL | FOUNDATION | Sample and Test Bar Steel - #5 & Larger | | | X | X | | | X |
| | | Inspect Placing at Project Site - by Project Inspector | | | X | X | | | X |
| GROUNDING | FOUNDATION | Mix Certified Mill Test Reports | X | X | X | X | | | X |
| | | Shop Fabrication | X | X | X | X | | | X |
| | | Inspection of Welds - Shop | X | X | X | X | | | X |
| | | Inspection of Welds - Field See Note 3 | | | X | X | | X | X |
| SHOT PINS | FOUNDATION | Sample and Test at Unidentified Structural Steel and Steel Deck | X | X | X | X | | | X |
| | | Examine seam welds of structural tubes and pipes | X | X | X | X | | | X |
| EXPANSION ANCHORS | FOUNDATION | See Note 4 | | | X | X | | | X |
| EPOXY ANCHORS | FOUNDATION | See Note 4 | | | X | X | | | X |
| INSPECTOR CLASS (minimum requirements) | | | RBIP or Class 1 | | In Plant: RBIP or Class 1 Site: Class 4 for Single Story Site: Class 2 for Two-Story | | | Class 4 for Single Story Class 2 for Two-Story | |
| 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 4-339(b)) AND TESTING AGENCY (CA Admin Code 4-338) | | | By the Owner | | By the School District | | | | |
| COPIES OF THE REPORT TO: | | | DSA (Original) I.O.R./P.1 Manufacturer Arch/SE noted on DSA-1 | | Architect School District I.O.R./P.1 | | Structural Engineer DSA (Original) Manufacturer | | |

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

- Note 1: 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
 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
 e) Tickets transmitted to Inspector of Record
 f) 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

BUILDING DATA

| | |
|------------------------------------|---|
| OCCUPANCY | E OR B, OR A CATEGORY I & II WITH OCCUPANT LOAD LESS THAN 300. |
| TYPE OF CONSTRUCTION | VB |
| WIND LOAD | V = 85 MPH EXPOSURE = C I = 1.00 K _z = 1.00 λ = 1.21 |
| FLOOR LIVE LOAD | 50 LBS/SQ. FT. |
| ROOF LIVE LOAD | 20 LBS/SQ FT (REDUCIBLE) |
| FIRE SPRINKLER SYSTEM WEIGHT (PSF) | 1.5 |
| ALLOWABLE SOIL PRESSURE (PSF) | 1,500 FOR CONCRETE |
| FLOOD HAZARD AREA | NO |
| BUILDING AREA | 960 MIN SQ FT |
| CLIMATE ZONES | 1-16 |
| MODULES | MOMENT-RESISTANT |
| SYSTEM | 12' x 40' MODULES |
| FOUNDATION TYPE | CONCRETE / WOOD |
| SEISMIC | S _s = 1.5 S ₁ = <.75 F _a = - F _v = - S _{ps} = 1.000 S _{p1} = - I = 1.00 R = 3.50 Ω ₀ = 3.00 C _a = 0.2857 T = 0.190 Site Class = D Seismic design category = D |

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2008
 2007 BUILDING STANDARDS 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
 NFPA 13 Automatic Sprinkler Systems 2002 Edition
 NFPA 14 Standpipe Systems 2003 Edition
 NFPA 17 Dry Chemical Extinguishing Systems 2002 Edition
 NFPA 17a Wet Chemical Systems 2002 Edition
 NFPA 20 Stationary Pumps 2003 Edition
 NFPA 24 Private Fire Mains 2002 Edition
 NFPA 72 National Fire Alarm Code (California Amended) 2002 Edition
 (Note See UL Standard 1971 for "Visual Devices")
 NFPA 253 Critical Radiant Flux of Floor Covering Systems 2006 Edition
 NFPA 2001 Clean Agent Fire Extinguishing Systems 2004 Edition
 ASME 17.1 Elevator Standard 2004 Edition
 Reference code sections for applicable Standards - 2007 CBC Chapter 35 and 2007 CFC Chapter 45.

GENERAL NOTES

- PC BUILDING CLASSIFIED AS OCCUPANCY "A" WITH OCCUPANT LOAD 100 OR MORE CAN NOT BE REVIEWED OVER THE COUNTER (OTC).
- PC BUILDING APPROVED ONLY FOR OCCUPANCY E OR B, OR A CATEGORY I & II WITH OCCUPANT LOAD LESS THAN 300.
- PC BUILDING EXISTING 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.
- SITE USE SPECIFIC REQUIREMENT FOR AUTOMATIC SPRINKLER SYSTEM MIGHT BE REQUIRED BUT NOT INCLUDED IN THIS PC APPROVAL.

DRAWING INDEX

- TS COVER SHEET
- A1 TYPICAL FLOOR PLAN
- A3 TYPICAL INTERIOR ELEVATIONS
- A3A TYPICAL INTERIOR ELEVATIONS
- A5 TYPICAL EXTERIOR ELEVATIONS (SYNTHETIC STUCCO)
- A5A ARCHITECTURAL DETAILS (SYNTHETIC STUCCO OPTION)
- AD ACCESSIBLE DETAILS
- N1 GENERAL NOTES
- N2 GENERAL NOTES
- P1 ISOMETRIC PLANS & DETAILS
- M1 TYPICAL REFLECTED CEILING PLAN
- M2 MECHANICAL BUILDING SECTION & CEILING DETAILS
- M3 CEILING & MECHANICAL NOTES
- E1 TYPICAL ELECTRICAL PLAN
- E2 ELECTRICAL NOTES & DETAILS
- S1 CONCRETE FOUNDATION PLAN 50 P.S.F. & 50 P.S.F LIVE LOAD+15 P.S.F PART. LOAD FLOOR (PLYWOOD OR VIROC FLOOR SYSTEM)
- S1C CONCRETE FOOTING DETAILS
- S1D CONCRETE FOOTING DETAILS
- S2 FLOOR FRAMING PLAN & DETAILS (PLYWOOD)
- S3 ROOF FRAMING PLAN & DETAILS (OPEN SOFFIT)
- S3.1 ROOF FRAMING PLAN & DETAILS (OPEN SOFFIT)
- S3A ROOF FRAMING PLAN & DETAILS (ENCLOSED SOFFIT)
- S4 TYPICAL FRAME ELEVATIONS
- S5 WALL FRAMING
- S5A WALL FRAMING DETAILS
- S7 TYPICAL LONGITUDINAL & TRANSVERSE FRAME ELEVATION

BASED ON PC 02-109695

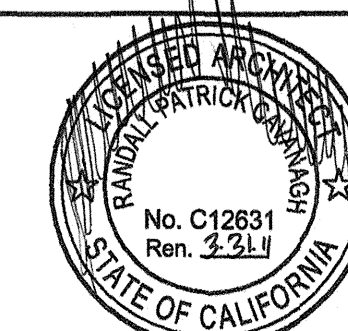
| REVISIONS | | |
|-----------|------|-------------|
| NO | DATE | DESCRIPTION |
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |

DATE: 08/12/10
 SCALE: NOTED
 DRAWN BY: RS
 SERIAL NO.:

CUSTOMER:
 BAKERSFIELD CITY SCHOOL DISTRICT
 PIONEER DRIVE ELEMENTARY SCHOOL
 2:12 PITCHED ROOF 24' x 40' RELOCATABLE BUILDINGS
 COVER SHEET



APPROVALS:



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 No. C12631
 Ren. 2-2-11
 DATE: 8-17-2010

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 AC: FLS: SS
 DATE:

PROJECT NO.
 T-S

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