

JAN 2015
ADD STKP 130/131 4
TO JTA EXPAND
NOTE C-SHEET
C-1-0

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SPECIFICATIONS RELOCATABLE CLASSROOMS

3.01 CARPENTRY:

- Scope of Work: Contractor shall provide all labor, materials and services to install carpentry.
- Workmanship:
 - Framing: securely nailed, bridged and blocked to form rigid structure. Work cut, fitted and assembled level, plumb and true to line. Trim in as long lengths as possible with all standing trim in one place. Trim sealed at all edges.
 - Nailing: in accordance with the title 24 CCR-Table 2304.9.1. Nails shall be corrosion resistant box nails.
 - Machined applied nailing shall have prior demonstration and approval by DSA Field Inspector and the Architect. The approval is subject to continuous satisfactory performance. Plywood shall have a minimum thickness of 3/8". If nail heads penetrate the outer ply more than would be normal for a hand hammer or if minimum allowable edge distances are not maintained, the performance will be deemed unsatisfactory.
 - Trim: sealed at all edges. Sealant painted to match trim or siding.

4.01 MATERIAL SPECIFICATIONS:

- Structural framing shall be Hem Fir-Larch graded in accordance with the standard grading rules of the Western Wood Products Association or standard grading rules No. 16 of the West Coast Lumber Inspection Bureau, latest editions. Grades shall be as follows unless noted otherwise on the drawings. (Hem Fir-South is not allowed). Each piece shall be grade marked and in place may fall below grades indicated. All framing except as noted Hem Fir-No. 2
- Plywood shall be as shown on these drawings with exterior glue in accordance with U.S. Product Standard PS 1-07. All panels shall be marked with an APA grade mark with an identification index as shown on drawings. Use 4x8' panels minimum, except at boundaries and at framing changes where minimum panel dimension shall be 24' at roofs and floors and 12' at walls.

3. Bolts for timber connections shall conform to ANSI/ASME Standard B16.2-2012 & 2012 edition of NDS (the National Design Specification for Wood Construction by the National Forest Products Association). Bolts shall be installed in accordance with the requirement of 2012 NDS.

Bolt holes shall be 1/32" inch larger than bolt diameter. Bolts shall be full body steel bolts with minimum yield strength of 45,000 PSI. Re-tighten bolts before closing in work.

4. Lag screws shall be steel and conform to ANSI/ASME Standard B18.2.1 and 2012 NDS. Holes for lag screw shanks shall be bored the same depth and diameter as the shank. The remaining depth of penetration of the screw shall be bored to 70% of the shank diameter. One quarter inch (1/4") diameter lag screws need not have pre-drilled holes if it can be shown that wood members are not damaged during installation. Provide full diameter body lag screws with bending yield strengths per Table 113 in NDS

5. Provide malleable iron washers or equivalent cut plate washers (not less than a standard cut washer) under nuts and bolt or lag screw heads which bear on wood.

6. Wood screws shall conform to ANSI/ASME Standard B18.3 and the requirements of the 2012 NDS. Galvanized or other corrosion resistant coating where exposed to weather or used in foundations.

Screws shall be steel with cut threads and bending yield strength per Table 111 in NDS.

7. Wood members shall be cut or notched only as shown on structural drawings.

8. When required nailing tends to split wood members, nail holes shall be pre-bored to 3/4 of the nail diameter.

9. Structural nailing shall be with BOX NAILS per all requirements of 2012 NDS. Nailing not specifically indicated shall comply with CCR Title 24, Part 2, Table 2304.9.1. All nails shall be galvanized or other corrosion resistant coating where exposed to weather, in foundation areas as noted on plans, per the requirements of CCR Title 24, Part 2, with minimum bending yield per table 111 in NDS. (See nail equivalence below).

10. Nail equivalence: (provide minimum nail lengths as required for specialized penetration, TYPICAL: U.N.O.)

6d equals .113" Dia - provide 1.36" minimum point penetration

8d equals .131" Dia - provide 1.57" minimum point penetration

11. Pressure preservative treatment shall be provided per section 2303.1.8, CCR Title 24, Part 2. Provide quality mark on all treated foundation members that comply with CBC 2303.1.8. All foundation members shall be marked as "For ground contact" or "For above ground use" as appropriate. Pressure treated material shall comply with AWPA Standard U1 as required by CBC 2303.1.8. Treat all cut ends of pressure treated members with an approved preservative. (Willard W/B Copper Green 2% or an approved equivalent). Where noted, members below the sub floor that are not a part of the foundation shall be pressure treated.

12. Only material in contact with ground needs to be pressure treated, all other foundation lumber can be DF or HF#2 or equal.

13. If machine nailing is utilized for this project, contractor shall comply with all requirements of CCR Title 24, Part 2. Machine nailing is subject to approval by the Structural Engineer of Architect and the Division of the State Architect.

14. Fasteners for pressure-preserved treated and fire-retardant treated wood shall comply with Section 2304.9 of CBC.

15. Nails and spikes used in wet or exterior locations shall comply with Section 2304.9.1 of CBC.

16. Shim material shall be plywood CD EXP 1 or equal (not pressure treated).

17. Used lumber in good condition is acceptable for use in foundation system.

18. Tie plates shall conform to A-1011 Grade 33.

5.01 SITE INSTALLATION REQUIREMENTS FOR DSA CLASSROOM BUILDINGS:

In the case of equipment located in the State of California, the LESSEE (School District) is responsible for the site being cleared (free of grass, trees, shrubs, etc) and graded to within 4 1/2" of level grade for each building. If the site exceeds the 4 1/2" level grade requirement additional costs may be charged to lessee.

Under no circumstances should the site be greater than 9" from level grade or have less than a 1000 PSF MINIMUM SOIL BEARING PRESSURE.

Prior to delivery, the lessee shall mark the four corners of the building on the site, including door location. Should special handling be required to other place, install or relocate the classroom on the lessee's site due to site obstruction such as fencing, landscaping, other classrooms, etc., additional costs will be charge to the lessee.

6.01 TEST AND INSTALLATION:

- Provide Electrical Grounding Test per DSA IR E-1.
- Field Welding for welded tie plate option. (If used, requires Test and inspection.)

The example form DSA 163's shown on this sheet are for illustration purposes only. A form DSA 163 is to be completed for each application that this PC is being incorporated into and all example form DSA-163's are to be crossed out on this drawing.

3. No other tests and inspections are required.

1.01 GENERAL REQUIREMENTS:

- The requirements of the general conditions of the agreement and these General Requirements apply to the several trade sections with the same force as though fully repeated in each section.
- Name brands are indicated to establish a standard of quality. Items of equal or better quality may be substituted for the listed brand named products.
- SCOPE OF WORK:**
 - The work consists of installing on-site, modular relocatable buildings as defined herein, shown and detailed on the drawings.
 - All requirements of CCR (California Code of Regulation) Title 19 and 24 relating to inspections and verified reports shall be complied with and shall include:

- General responsible charge of Field Administration by the Architect of Record.
- Inspection during the course of construction by an Inspector approved by DSA (Division of the State Architect) and the District Architect. The Inspector shall be responsible for and approved to inspect the general construction, welding, mechanical and electrical work. Cost of these inspections shall be borne by the School District.
- On site inspection of the building installation, electrical and utility of the building installation or connection by an Inspector approved by the DSA and retained by the School District.
- Other special tests or inspections as may be required by DSA. Cost of these inspections/tests shall be borne by the School District.

1.03 WORK NOT INCLUDED:

- All on-site or off-site utilities and the connection of them to the building unless indicated on the drawings.
- All leveling, grading or other site preparation (except concrete or wood leveling strips, where required) unless otherwise indicated on the drawings.
- Fire alarm system, program bell, clock, public address system, intercom system, TV system, computer data or any other low voltage system, unless otherwise indicated on the drawings or the lease agreement.

1.04 ACCESSIBILITY OF SITE:

The School District shall provide access to the site for the installation of the building. Removal of trees, shrubs, fencing, sprinklers, etc. necessary for move-in and removal of the buildings shall be the responsibility of the School District.

2.01 SITE ASSEMBLY:

1. Scope of Work: Contractor shall provide all labor, materials and services to prepare the building elements, transport them from the plant to the site and to complete the assembly at the site.

The condition of the site, such as drainage and soil bearing capacity, shall be the responsibility of the School District and the District Architect.

2. Assembly of Elements:

- In a location on the site as determined by the District Architect. The contractor shall place the foundation as detailed on the drawings.
- The elements shall be brought to the site on wheel assembly and transferred to the prepared site. Great care shall be taken to avoid damage to the elements by racking or bumping.
- Connection of the elements together shall be done according to instructions on the drawings. Flashing, trim and other loose items shall be installed per plans and details of the original building manufacturer's drawings.

3.01 SAMPLE FOR WELD PLATE OPTION ONLY

DSA 163 is to be used
Statement of Structural Tests &
Special Inspections - 2013 CBC

Sample for DSA 163
Application No. _____ Date Submitted _____ Review _____ Status _____

INSTRUCTIONS: Click a plus sign (+) before any category or subcategory to reveal additional tests and special inspections required for the project. The actual tests and inspections must be performed as detailed on the DSA report document. The project number and date of the DSA report document must be provided for proper inspection of the building. The test and inspection results must be included in the DSA report document. This form is also available for projects submitted for review under the 2007 and 2010 CBCs. This form is also available for projects submitted for review under the 2007 and 2010 CBCs.

Note: References are to the 2012 edition of the California Building Code (CBC) unless otherwise noted.

TEST OR SPECIAL INSPECTION CODE REFERENCES AND NOTES

* SOILS * CONCRETE * MASONRY * STEEL * STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES

Material Verification:

a. Verify that materials are appropriately marked and that markings are legible and clearly visible. Periodic Test Lab 2303.1.8

b. Verify that materials are properly packaged and stored, proper handling and storage methods are used. Periodic Test Lab 2303.1.8

c. Verify that materials are properly labeled. Periodic Test Lab 2303.1.8

d. Verify that materials are properly stored and handled. Periodic Test Lab 2303.1.8

e. Verify that materials are properly packaged and stored, proper handling and storage methods are used. Periodic Test Lab 2303.1.8

f. Verify that materials are properly labeled. Periodic Test Lab 2303.1.8

g. Verify that materials are properly stored and handled. Periodic Test Lab 2303.1.8

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j. Verify that materials are properly stored and handled. Periodic Test Lab 2303.1.8

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s. Verify that materials are properly stored and handled. Periodic Test Lab 2303.1.8

t. Verify that materials are properly packaged and stored, proper handling and storage methods are used. Periodic Test Lab 2303.1.8

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v. Verify that materials are properly stored and handled. Periodic Test Lab 2303.1.8

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