

CLASS LEASING, LLC.

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- 3.01 CARPENTRY:**
 1. Scope of Work: Contractor shall provide all labor, materials and services to install carpentry.
 2. Workmanship:
 a) 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.
 b) NAILING: In accordance with the Title 24 CCR-Table 2304.8.1. Nails shall be corrosion resistant box nails.
 c) Machine applied nailing shall have prior demonstration and approved 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 nail hammer or if minimum allowable edge distances are not maintained, the performance will be deemed unsatisfactory.
 d) TRIM: sealed at all edges. Sealant painted to match trim or siding.

- 4.01 MATERIAL SPECIFICATIONS:**
 1. 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 no piece may fall below grades indicated. All framing except as noted Hem Fir No. 2
 2. Plywood shall be as shown on these drawings with exterior grade in accordance with U.S. Product Standard PS-1-07. All panels shall be marked with an APA grade mark with an identification index shown on drawings. Use 4x8' panels, minimum, except at boundaries and at framing changes where minimum panel dimension shall be 2x4' at roofs and floors and 12' at walls.
 3. Bolts for timber connections shall conform to ANSI/ASME Standard B18.2.1-2012 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 to 1/16 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 strength per Table 11 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 B18.6.1 and the requirements of the 2012 NDS. Galvanized or other corrosion resistant coating where exposed to weather or used in foundations. Screws shall be with cut threads and bending yield strengths per Table 11 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. Stud and nailing shall be with 8D X 1 1/2" all requirements of 2012 NDS. Nailing not specifically indicated shall comply with CCR Title 24, Part 2, Table 2304.8.1. All nails shall be galvanized or other corrosion resistant coating where exposed to weather, in foundations and as noted on plans, per the requirements of CCR Title 24, Part 2, with minimum bending yields per table 11N in NDS. (See nail equivalence below.)
 10. Nail equivalence:
 (a) provide minimum nail length as required for specified penetration, TYPICAL: U.N.O.
 8d equals .113" DIA - provide 1.38" minimum point penetration
 8d equals .131" DIA - provide 1.57" minimum point penetration
 (b) provide minimum nail length as required for specified penetration, TYPICAL: U.N.O.
 8d equals .113" DIA - provide 1.38" minimum point penetration
 8d equals .131" DIA - provide 1.57" minimum point penetration

11. Pressure preservation treatment shall be per Section 2003.1.8, CCR Title 24, Part 2. Provide quality mark on all treated foundation members that comply with CCR 2003.1.8. 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 CCR 2003.1.8. Treat all ends of pressure treated members with an approved preservative, (Millard 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 or 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 LESSSEE (School District) is responsible for the site being cleared (tree of grass, trees, shrubs, etc) and graded to within 4 1/2' of level grade for each building. If the site exceeds this 4 1/2' level grade requirement additional costs may be charged to lessee.

Under no circumstances should the site be greater than 6' 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 either 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:

1. Provide Electrical Grounding Test per DSA IR-E-1.
 2. Field Welding for welded tie plate option. (If used, requires Test and Inspection.)
 The example form DSA 103's shown on this sheet are for illustration purposes only. 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.
 3. No other tests and inspections are required.

DSA-103		for	2003	Statement of Structural Tests & Special Inspections - 2013 CBC
INSTRUCTORS	DSA File No.	APPLICATION NO.		
Date Submitted:	Revised:	Revised:		
SAMPLE FOR FIELD PLATE OPTION ONLY				
IMPORTANT: This form is only a summary of structural tests and special inspections. It does not contain all the information required by the DSA approved documents. The project Inspector is responsible for providing complete information on all facets of construction, including field tested items, special inspections not listed on this form, and other areas of construction. The project Inspector is responsible for providing complete drawings, schedules of non-structural components, etc., per Title 24, Part 2, Chapter 17A. NOTE: This form is also available for projects for review under the 2007 and 2010 CBC.				
INSTRUCTIONS: Cross the plus sign (+) before any category or subcategory to reveal additional information. A shaded box indicates a test or special inspection that may be required, depending on the scope of the construction and other factors. A checkmark in a shaded box indicates that it can be performed. However, any selection you may make must be checked off on the CONSTRUCTION DRAWINGS as the only legally required. For more information on this form, see DSA-103.				
Note: References are to the 2010 edition of the California Building Code (CBC) unless otherwise specified.				
TEST OR SPECIAL INSPECTION				
CODE REQUIREMENT NUMBER				
1. SOILS				
2. CONCRETE				
3. MASONRY				
4. STEEL				
17. STRUCTURAL STEEL AND COLD-FORMED STEEL USED FOR STRUCTURAL PURPOSES				
Structural Verification:				
a. Verify that materials are adequately rated and suitable for the intended use. Periodic: Yes / No				
b. Verify that materials are properly prepared, stored and handled for use. Periodic: Yes / No				
c. Verify that materials are properly packaged and protected against weathering or damage. Periodic: Yes / No				
d. Verify that materials are delivered to the job site in good condition. Periodic: Yes / No				
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