CLASS LEASING, INC.

P. O. Box 51150 Riverside, CA 92517-2150
1221 Harley Knox Blvd. Perris, CA 92571-7408
(951) 943-1908 Fax (951) 943-5768

SPECIFICATIONS
RELOCATABLE CLASSROOMS

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 glue in accordance with U.S. Product Standard PS 1-95. All panels shall be marked with an APA grade mark with an identification index as shown on drawings. Use 4'x8' 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 B18.2.1-1981 & 2005 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 2005 NDS Bolt holes shall be 1/32 to 1/16 inch larger than bold 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 2005 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 9.3 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 2005 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 strengths per Table 11.3 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 2005 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 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:
    (provide minimum nail lengths as required for specified 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
    10d equals .148" DIA. - provide *1.78" minimum point penetration
    16d equals .162" DIA. - provide *1.94" minimum point penetration
    (* 1 1/2" at 2x members)

11. Pressure preservative treatment shall be per Section 2303.1.8, CCR Title 24, Part 2. Provide quality mark on all treated foundation members from agency approved by DSA. All foundation members shall be marked as "For ground contact (LP22)" or "For above ground use (LP2)" as appropriate. 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 per LP2.
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-preservative 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 2304.9.1.1 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.

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 that 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 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. No other tests and inspections are required.

1.01 GENERAL REQUIREMENTS:

1. 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.
2. 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.

1.02 SCOPE OF WORK:

1. The work consists of manufacturing off-site in a plant, and installing on-site, modular relocatable building as defined herein, shown and detailed on the drawings. In the case of a Stockpile: the modular relocatable building is manufactured in-plant and stored off-site until such time that it is relocated from the off-site storage location and installed on-site.
2. 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:
   a) General responsible charge of Field Administration by the Architect of Record.
   b) 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.
   c) 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.
   d) 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:

1. All on-site or off-site utilities and the connection of them to the building unless indicated on the drawings.
2. All leveling, grading or other site preparation (except concrete or wood leveling strips, where Required) unless otherwise indicated on the drawings.
3. 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** (Class Leasing Inc.) 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:
   a) In a location on the site as determined by the District Architect. The contractor shall place the foundation as detailed on the drawings.
   b) 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.
   c) 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 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 piece. Trim sealed at all edges.
   b) NAILING: in accordance with the title 24 CCR-Table 2304.9.1. Nails shall be corrosion resistant box nails.
   c) Machine 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.
   d) TRIM: sealed at all edges. Sealant painted to match trim or siding.

APPLICABLE BUILDING CODES

ALL NEW WORK SHALL COMPLY AND CONFORM TO THE REQUIREMENTS OF THE 2007 CBC

2007 CALIFORNIA CODE OF REGULATIONS (CCR)

-2007 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)

-2007 CALIFORNIA BUILDING CODE (CBC) (PART 2, TITLE 24, CCR)
(2006 INTERNATIONAL BUILDING CODE VOLUMES 1-3 WITH 2007 CALIFORNIA AMENDMENTS)

-2007 CALIFORNIA ELECTRICAL CODE (CEC) (PART 3, TITLE 24, CCR)
(2005 NATIONAL ELECTRICAL CODE WITH 2007 CALIFORNIA AMENDMENTS)

-2007 CALIFORNIA MECHANICAL CODE (CMC) (PART 4, TITLE 24, CCR)
(2006 UNIFORM MECHANICAL CODE WITH 2007 CALIFORNIA AMENDMENTS)

-2007 CALIFORNIA PLUMBING CODE (CPC) (PART 5, TITLE 24, CCR)
(2006 UNIFORM PLUMBING CODE WITH 2007 CALIFORNIA AMENDMENTS)

-2007 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)

-2007 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)

-2004 ASME A17.1 SAFETY CODE FOR ESCALATORS AND ELEVATORS

-2007 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)
(2006 INTERNATIONAL FIRE CODE WITH 2007 CALIFORNIA AMENDMENTS)

TITLE 19 CCR PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS

DESIGN DATA:

FLOOR LIVE LOAD = 50 PSF, 50 + 20 PSF PARTITIONS, 100 PSF
ROOF LIVE LOAD = 20 PSF REDUCIBLE FOR TRIBUTARY AREA
WIND SPEED = 85 MPH (V) (3 SECOND GUST), K zt = 1.0
SNOW LOAD: PROJECT IS NOT LOCATED IN A SNOW REGION.
BUILDING CODES = IBC AND CBC 2007

SEISMIC DESIGN DATA: — **MOMENT FRAME PC'S**

Basic Seismic-Force-Resisting System	= STEEL MOMENT FRAME
ANALYSIS PROCEDURE USED	= EQUIVALENT LATERAL FORCE
Seismic Design Category	= E (per CBC Section 1613A.5.6)
Design Base Shear : 24x40 BUILDING	= 9404 # (Roof, Floor, Walls & Partitions)
36x40 BUILDING	= 14110 # (Roof, Floor, Walls & Partitions)
48x40 BUILDING	= 18810 # (Roof, Floor, Walls & Partitions)

I = 1.0 Cs2 = 0.286 R = 3.5 SITE CLASS = D
Ss = 2.0 per CBC Figure 1613A.5(3), REDUCED TO 1.5 per ASCE 7-05 Section 12.8.1.3
Sds = 1.0
S1 = 1.3 per CBC Figure 1613A.5(2) Sd1 = 1.3

SEISMIC DESIGN DATA: — **SHEAR WALL PC'S**

Basic Seismic-Force-Resisting System	= WOOD PANEL SHEAR WALLS
ANALYSIS PROCEDURE USED	= EQUIVALENT LATERAL FORCE
Seismic Design Category	= E (per CBC Section 1613A.5.6)
Design Base Shear : 24x40 BUILDING	= 9404 # (Roof, Floor, Walls & Partitions)
36x40 BUILDING	= 14110 # (Roof, Floor, Walls & Partitions)
48x40 BUILDING	= 18810 # (Roof, Floor, Walls & Partitions)

I = 1.0 Cs2 = 0.154 R = 6.5 SITE CLASS = D
Ss = 2.0 per CBC Figure 1613A.5(3), REDUCED TO 1.5 per ASCE 7-05 Section 12.8.1.3
Sds = 1.0
S1 = 1.3 per CBC Figure 1613A.5(2) Sd1 = 1.3

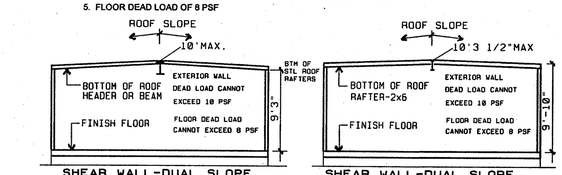
FLOOD DESIGN DATA: Project is not located in a flood zone

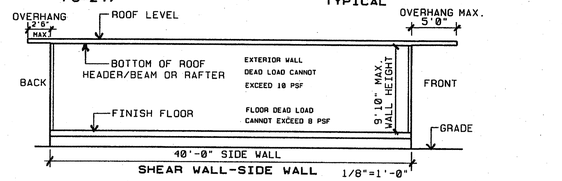
LIMITATIONS WOOD FOUNDATION PC ONLY:

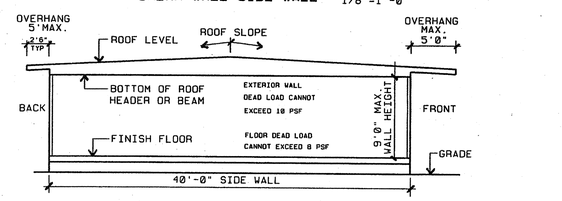
WOOD FOUNDATION ONLY PC IS DESIGNED TO SUPPORT THE SUPERSTRUCTURE FOR THE RELOCATABLE BUILDINGS AS LISTED ON THIS DRAWING.

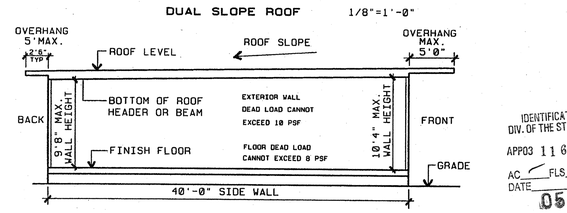
THE DESIGN CALCULATIONS ARE BASED ON THE FOLLOWING:

1. DSA APPROVED STOCKPILE BUILDINGS
2. ROOF OVERHANGS OF 5'-0" MAXIMUM
3. SINGLE SLOPE OR DUAL SLOPE BUILDINGS
   WALL HEIGHT: 9'-0" MAXIMUM ON DUAL SLOPE BUILDING.
   WALL HEIGHT: 10'-4" MAXIMUM ON SINGLE SLOPE BUILDING
   (HEIGHT DETERMINED FROM FINISH FLOOR IN BUILDING TO BOTTOM OF STEEL ROOF STRUCTURE: BEAMS OR ROOF HEADERS)
   WALL HEIGHT: 9'-10" MAXIMUM ON SHEAR WALL-DUAL SLOPE BUILDING
4. WALL DEAD LOAD OF 10 PSF (NO STUCCO)
5. FLOOR DEAD LOAD OF 8 PSF









TYPICAL ELEVATIONS ARE SHOWN TO CLARIFY FOUNDATION PC ONLY LIMITATIONS
DOCUMENTATION SHALL BE PROVIDED BY ENGINEER OF GENERAL RESPONSIBLE CHARGE
TO BE REVIEWED AND APPROVED BY THE DSA STRUCTURAL PLAN REVIEWER.

SCOPE OF WORK: DSA FOUNDATION PLANS FOR EXISTING STOCKPILE BUILDINGS FOR CLASS LEASING, INC.

SHEET INDEX: STOCKPILE BUILDING FOUNDATION PC# 04-1

ADJACENT BUILDINGS: ONLY THOSE BUILDINGS MANUFACTURED BY THE SAME COMPANY MAY BE PLACED ADJACENT TO EACH OTHER.

CLASS LEASING- APPROVED STOCKPILE A NUMBERS FOR THIS FOUNDATION PC

BUILDING DATA- 24x40 SHEAR WALL

STKP #	DSA A#	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
STKP 1029	50643	SHR	10/21/88	24x40	50+20#	MODTECH
STKP 02	52512	48137-SHR	11/06/89	24x40	50#	MODTECH
STKP 01	52513	46750-SHR	11/06/89	24x40	50#	MODTECH
STKP 03	52514	SHR	11/06/89	24x40	50#	MODTECH
STKP 05	52515	45400-SHR	12/07/89	24x40	50#	AURORA
STKP 04	52516	SIM PC 29 SHR	12/07/89	24x40	50#	MODTECH
STKP 22	55113	PC 80	10/05/90	24x40	50#	MODTECH
STKP 24	55580	PC 95	06/14/94	24x40	50#	MODTECH
STKP 13	61957	PC 247	06/29/94	24x40	50#	MODTECH
STKP 77	57970	PC 247	11/10/97	24x40	50#	MODTECH

BUILDING DATA- 24x40 RIGID FRAME

STKP #	DSA A#	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
STKP 11	52482	MRF	06/13/91	24x40	50+20#	MODTECH
STKP 20	55031	PC 79	09/18/90	24x40	50#	MODTECH
STKP 21	55032	PC 79	09/19/90	24x40	50#	MODTECH
STKP 23	55347	PC 79	11/26/90	24x40	50#	MODTECH
STKP SW	57194	PC 79	11/08/91	24x40	50+20#	MODTECH
STKP 14	57879	PC 96	03/19/92	24x40	50#	MODTECH
STKP 18	63288	PC 243	05/04/95	24x40	50#	MODTECH
STKP 19	63321	PC 242	05/11/95	24x40	50#	MODTECH
STKP 27	65493	PC 266	07/31/96	24x40	50#	MODTECH
STKP 31	66318	PC 266	11/12/96	24x40	50+20#	MODTECH
STKP 33	67333	PC 266	03/11/97	24x40	50#	MODTECH
STKP 35	04-100117	PC 266	01/15/98	24x40	50+20#	MODTECH
STKP 39	04-100595	PC 275	08/10/98	24x40	50+20#	MODTECH
STKP 37	04-100596	PC 266	08/10/98	24x40	50+20#	MODTECH
STKP 40	04-100690	PC 282	09/03/98	24x40	50+20#	MODTECH
STKP 42	04-100929	PC 266	01/07/99	24x40	50+20#	MODTECH
STKP 43	04-101555	PC 275	09/09/99	24x40	50#	MODTECH
STKP 44	04-101602	PC 266	09/30/99	24x40	50+20#	MODTECH
STKP 48	04-101768	PC 101268	12/16/99	24x40	50#	MODTECH
STKP 51	04-102015	PC 101268	03/16/00	24x40	50#, 50+20#	MODTECH
STKP 53	04-102365	PC 101268	07/06/00	24x40	50+20#	MODTECH
STKP 56	04-102824	PC 101268	12/21/00	24x40	50#	MODTECH
STKP 62	04-104169	PC 101268	04/18/02	24x40	50+20#	MODTECH
STKP 67	04-104812	PC 101268	12/05/02	24x40	50+20#	MODTECH
STKP 70	04-105299	PC 104801	05/22/03	24x40	50+20#	MODTECH
STKP 76	04-105455	PC 104796	07/17/03	24x40	50#	MODTECH
STKP 78	04-109208	PC 108884	12/13/07	24x40	50#	CURRENT/SMI

BUILDING DATA- 36x40 RIGID FRAME

STKP #	DSA A#	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
STKP 15	52476	MRF	12/18/91	36x40	50#	MODTECH
STKP SW	57194	PC 79	11/08/91	36x40	70#	MODTECH
STKP 32	66319	PC 266	11/12/96	36x40	50+20#	MODTECH
STKP 34	67332	PC 266	03/11/97	36x40	50+20#	MODTECH
STKP 45	04-101618	PC 101268	10/07/99	36x40	50+20#	MODTECH
STKP 57	04-103001	PC 101268	05/01/01	36x40	50#	MODTECH
STKP 65	04-104441	PC 101268	07/11/02	36x40	50+20#	MODTECH
STKP 71	04-106419	PC 104801	07/29/04	36x40	50+20#	MODTECH
STKP 73	04-108585	PC 101268	03/01/07	36x40	70#	MODTECH
STKP 74	04-108900	PC 107557	06/07/07	36x40	50+20#	SILVERCREEK
STKP 81	04-110319	PC 109598	04/09/09	36x40	50+20#	SMI
STKP 85	04-111101	PC 79	06/03/10	36x40	50+20#	MODTECH

BUILDING DATA- 48x40 RIGID FRAME

STKP #	DSA A#	PC-BASE	DATE	SIZE	FLOOR LOAD	BLDG MFG.
STKP SW	57194	PC 79	11/08/91	48x40	100#	MODTECH
STKP SW	57194	PC 79	11/08/91	48x40	70#	MODTECH
STKP 17	63289	PC 243	05/04/95	48x40	50+20#	MODTECH
STKP 41	04-100797	PC 266	10/22/98	48x40	50+20#	MODTECH
STKP 46	04-101617	PC 101268	10/07/99	48x40	50+20#	MODTECH
STKP 63	04-104170	PC 101268	04/18/02	48x40	50+20#	MODTECH

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP03 116318
AC FLS SS EY
DATE 051215

DATE SIGNED
FEB 09 2011

REGISTERED PROFESSIONAL ENGINEER
JAMES L. SIMPSON
No. 3502
STRUCTURAL
STATE OF CALIFORNIA
LICENSE EXPIRES 6-30-2012

PRE-CHECK (PC) DOCUMENT
CODE:2007 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
PC4-111441
AC FLS SS IR
DATE: FEB 10 2011
BY: D. CONDON

STOCKPILE CLASSROOM RELOCATION FOUNDATION PLAN & DETAILS

REVISIONS	BY

SCANNED

CLASS LEASING, INC.
P. O. Box 51150 Riverside, CA 92517-2150
1221 Harley Knox Blvd. Perris, CA 92571-7408
VOICE (951) 943-1908 FAX (951) 943-5768

CLASS LEASING, INC.
STOCKPILE CLASSROOM
RELOCATION
FOUNDATION PLAN & DETAILS
PC 04-111441

DATE 10/18/2010
SCALE
DRAWN LAM-CLLS
JOB SITE SET-UP
SHEET **F1.0**
24x40-50#

DATAPRINT CORP. 700 SO. CLAREMONT ST. SAN MATEO, CA 94402

ARVINDRAFTING FORM NO. 101-44