Structural Column & Plate Schedule

Post Size Type	Condition Number	Type	Column Location				Column Length		Count	TOP Plate	Connection Plates / Top Plate			Drypack	BOT Plate	Connection Plates / Base Plate				Plate Detail	BOT Detail	TOP Detail
			Base Level	Base Offset	Top Level	Top Offset	Length (Finished w/ Plates)	Length (Cut)			Width "B"	Length "C"	Thickness "D"			Width "B"	Length "C"	Thickness "D"	Hole Diameter "E"			
A	1	HSS3.500X0.125	NEW ROOF	-2' - 6"	NEW ROOF	2' - 0"	4' - 6"		1											123/D500		
A	2	HSS3.500X0.125	NEW ROOF	-2' - 6"	NEW ROOF	2' - 0"	4' - 6"		1											123/D500		
A	3	HSS3.500X0.125	NEW ROOF	-2' - 6"	NEW ROOF	2' - 0"	4' - 6"		1											123/D500		
A	4	HSS3.500X0.125	NEW ROOF	-2' - 6"	NEW ROOF	2' - 0"	4' - 6"		1											123/D500		
A	5	HSS3.500X0.125	NEW ROOF	-2' - 6"	NEW ROOF	2' - 0"	4' - 6"		1											123/D500		
A	6	HSS3.500X0.125	NEW ROOF	-2' - 6"	NEW ROOF	2' - 0"	4' - 6"		1											123/D500		
A	7	HSS3.500X0.125	NEW ROOF	-2' - 6"	NEW ROOF	2' - 0"	4' - 6"		1											123/D500		
A	8	HSS3.500X0.125	NEW ROOF	-2' - 6"	NEW ROOF	2' - 0"	4' - 6"		1											123/D500		
A	9	HSS3.500X0.125	NEW ROOF	-2' - 6"	NEW ROOF	2' - 0"	4' - 6"		1											123/D500		
A	10	HSS3.500X0.125	NEW ROOF	-2' - 6"	NEW ROOF	2' - 0"	4' - 6"		1											123/D500		
A	11	HSS3.500X0.125	NEW ROOF	-2' - 6"	NEW ROOF	2' - 0"	4' - 6"		1											123/D500		
A	12	HSS3.500X0.125	NEW ROOF	-2' - 6"	NEW ROOF	2' - 0"	4' - 6"		1											123/D500		
A	13	HSS3.500X0.125	NEW ROOF	-2' - 6"	NEW ROOF	2' - 0"	4' - 6"		1											123/D500		
A	14	HSS3.500X0.125	NEW ROOF	-2' - 6"	NEW ROOF	2' - 0"	4' - 6"		1											123/D500		
A	15	HSS3.500X0.125	NEW ROOF	-2' - 6"	NEW ROOF	2' - 0"	4' - 6"		1											123/D500		
A	16	HSS3.500X0.125	NEW ROOF	-2' - 6"	NEW ROOF	2' - 0"	4' - 6"		1											123/D500		
A	17	HSS3.500X0.125	NEW ROOF	-2' - 6"	NEW ROOF	2' - 0"	4' - 6"		1											123/D500		
A	18	HSS3.500X0.125	NEW ROOF	-2' - 6"	NEW ROOF	2' - 0"	4' - 6"		1											123/D500		
A	19	HSS3.500X0.125	NEW ROOF	-2' - 6"	NEW ROOF	2' - 0"	4' - 6"		1											123/D500		
A	20	HSS3.500X0.125	NEW ROOF	-2' - 6"	NEW ROOF	2' - 0"	4' - 6"		1											123/D500		
A	21	HSS3.500X0.125	NEW ROOF	-2' - 6"	NEW ROOF	2' - 0"	4' - 6"		1											123/D500		
B	1	HSS3X3X.250	LEVEL 1	9' - 6"	LEVEL 2 - CLG	-10' - 5"	4' - 1"		1											120/D500		
B	2	HSS3X3X.250	LEVEL 2	0' - 0"	LEVEL 2	11' - 9"	11' - 9"		1											120/D500		
B	3	HSS3X3X.250	LEVEL 2	9' - 0"	LEVEL 2	11' - 9"	2' - 9"		1											120/D500		
B	4	HSS3X3X.250	LEVEL 2	9' - 0"	LEVEL 2	11' - 9"	2' - 9"		1											120/D500		
B	5	HSS3X3X.250	LEVEL 2	0' - 0"	LEVEL 2	11' - 9"	11' - 9"		1											120/D500		
B	6	HSS3X3X.250	LEVEL 1	9' - 6"	LEVEL 2 - CLG	-10' - 5"	4' - 1"		1											120/D500		
B	7	HSS3X3X.250	LEVEL 1	9' - 6"	LEVEL 2 - CLG	-10' - 5"	4' - 1"		1											120/D500		
B	8	HSS3X3X.250	LEVEL 1	9' - 6"	LEVEL 2 - CLG	-10' - 5"	4' - 1"		1											120/D500		
B	8	HSS3X3X.250	LEVEL 1	8' - 6"	LEVEL 2 - CLG	-11' - 5"	4' - 1"		1											120/D500		
B	8	HSS3X3X.250	LEVEL 1	9' - 6"	LEVEL 2 - CLG	-10' - 5"	4' - 1"		1											120/D500		
B	8	HSS3X3X.250	LEVEL 1	9' - 6"	LEVEL 2 - CLG	-10' - 5"	4' - 1"		1											120/D500		
C	1	TS6X6X1/4	LEVEL 1	-0' - 6"	LEVEL 1	25' - 9 5/16"	26' - 3 5/16"	26' - 0 5/16"	1	Yes	0' - 9"	0' - 10"	0' - 0 3/4"	Yes	Yes	0' - 10"	0' - 10"	0' - 0 3/4"	0' - 0 3/4"	2/S200		
C	2	TS6X6X1/4	LEVEL 1	-0' - 6"	LEVEL 1	12' - 6 5/16"	13' - 0 5/16"	12' - 9 5/16"	1	Yes	0' - 7"	0' - 10"	0' - 0 3/4"	Yes	Yes	0' - 10"	0' - 10"	0' - 0 3/4"	0' - 0 3/4"	2/S200		
C	3	TS6X6X1/4	LEVEL 1	-0' - 6"	LEVEL 1	26' - 2 13/16"	26' - 8 13/16"	26' - 5 13/16"	1	Yes	0' - 7"	0' - 10"	0' - 0 3/4"	Yes	Yes	0' - 10"	0' - 10"	0' - 0 3/4"	0' - 0 3/4"	2/S200		
C	4	TS6X6X1/4	LEVEL 1	-0' - 6"	LEVEL 1	12' - 6 5/16"	13' - 0 5/16"	12' - 9 5/16"	1	Yes	0' - 7"	0' - 10"	0' - 0 3/4"	Yes	Yes	0' - 10"	0' - 10"	0' - 0 3/4"	0' - 0 3/4"	2/S200		
C	5	TS6X6X1/4	LEVEL 1	-0' - 6"	LEVEL 1	25' - 9 1/16"	26' - 3 1/16"	26' - 0 1/16"	1	Yes	0' - 7"	0' - 10"	0' - 0 3/4"	Yes	Yes	0' - 10"	0' - 10"	0' - 0 3/4"	0' - 0 3/4"	2/S200		
C	6	TS6X6X1/4	LEVEL 1	-0' - 6"	LEVEL 1	12' - 6 5/16"	13' - 0 5/16"	12' - 9 5/16"	1	Yes	0' - 7"	0' - 10"	0' - 0 3/4"	Yes	Yes	0' - 10"	0' - 10"	0' - 0 3/4"	0' - 0 3/4"	2/S200		
C	7	TS6X6X1/4	LEVEL 1	-0' - 6"	LEVEL 1	25' - 8 11/32"	26' - 2 11/32"	25' - 11 11/32"	1	Yes	0' - 7"	0' - 10"	0' - 0 3/4"	Yes	Yes	0' - 10"	0' - 10"	0' - 0 3/4"	0' - 0 3/4"	2/S200		
C	8	TS6X6X1/4	LEVEL 1	-0' - 6"	LEVEL 1	12' - 6 5/16"	13' - 0 5/16"	12' - 9 5/16"	1	Yes	0' - 7"	0' - 10"	0' - 0 3/4"	Yes	Yes	0' - 10"	0' - 10"	0' - 0 3/4"	0' - 0 3/4"	2/S200		
C	9	TS6X6X1/4	LEVEL 1	-0' - 6"	LEVEL 1	12' - 3 3/32"	12' - 9 3/32"	12' - 6 3/32"	1	Yes	0' - 7"	0' - 10"	0' - 0 3/4"	Yes	Yes	0' - 10"	0' - 10"	0' - 0 3/4"	0' - 0 3/4"	2/S200		
C	10	TS6X6X1/4	LEVEL 1	-0' - 6"	LEVEL 1	12' - 3 3/32"	12' - 9 3/32"	12' - 6 3/32"	1	Yes	0' - 7"	0' - 10"	0' - 0 3/4"	Yes	Yes	0' - 10"	0' - 10"	0' - 0 3/4"	0' - 0 3/4"	2/S200		
C	11	TS6X6X1/4	LEVEL 1	-0' - 6"	LEVEL 1	12' - 8 13/16"	13' - 2 13/16"	12' - 11 13/16"	1	Yes	0' - 7"	0' - 10"	0' - 0 3/4"	Yes	Yes	0' - 10"	0' - 10"	0' - 0 3/4"	0' - 0 3/4"	2/S200		
C	12	TS6X6X1/4	LEVEL 1	-0' - 6"	LEVEL 1	12' - 8 13/16"	13' - 2 13/16"	12' - 11 13/16"	1	Yes	0' - 7"	0' - 10"	0' - 0 3/4"	Yes	Yes	0' - 10"	0' - 10"	0' - 0 3/4"	0' - 0 3/4"	2/S200		
C	13	TS6X6X1/4	LEVEL 1	-0' - 6"	LEVEL 1	25' - 9 25/32"	26' - 3 25/32"	26' - 0 25/32"	1	Yes	0' - 7"	0' - 10"	0' - 0 3/4"	Yes	Yes	0' - 10"	0' - 10"	0' - 0 3/4"	0' - 0 3/4"	2/S200		
C	14	TS6X6X1/4	LEVEL 1	-0' - 6"	LEVEL 1	26' - 1 3/16"	26' - 7 3/16"	26' - 4 3/16"	1	Yes	0' - 7"	0' - 10"	0' - 0 3/4"	Yes	Yes	0' - 10"	0' - 10"	0' - 0 3/4"	0' - 0 3/4"	2/S200		
C	15	TS6X6X1/4	LEVEL 1	-0' - 6"	LEVEL 1	12' - 4 3/16"	12' - 10 3/16"	12' - 7 3/16"	1	Yes	0' - 7"	0' - 10"	0' - 0 3/4"	Yes	Yes	0' - 10"	0' - 10"	0' - 0 3/4"	0' - 0 3/4"	2/S200		
C	16	TS6X6X1/4	LEVEL 1	-0' - 6"	LEVEL 1	12' - 10 7/8"	13' - 4 7/8"	13' - 1 7/8"	1	Yes	0' - 7"	0' - 10"	0' - 0 3/4"	Yes	Yes	0' - 10"	0' - 10"	0' - 0 3/4"	0' - 0 3/4"	2/S200		
C	17	TS6X6X1/4	LEVEL 1	-0' - 6"	LEVEL 1	12' - 8 13/16"	13' - 2 13/16"	12' - 11 13/16"	1	Yes	0' - 7"	0' - 10"	0' - 0 3/4"	Yes	Yes	0' - 10"	0' - 10"	0' - 0 3/4"	0' - 0 3/4"	2/S200		
C	8	TS6X6X1/4	LEVEL 1	-1' - 6"	LEVEL 1	11' - 6 5/16"	13' - 0 5/16"	12' - 9 5/16"	1	Yes	0' - 7"	0' - 10"	0' - 0 3/4"	Yes	Yes	0' - 10"	0' - 10"	0' - 0 3/4"	0' - 0 3/4"	2/S200		
C	8	TS6X6X1/4	LEVEL 1	-0' - 6"	LEVEL 1	12' - 6 5/16"	13' - 0 5/16"	12' - 9 5/16"	1	Yes	0' - 7"	0' - 10"	0' - 0 3/4"	Yes	Yes	0' - 10"	0' - 10"	0' - 0 3/4"	0' - 0 3/4"	2/S200		
C	8	TS6X6X1/4	LEVEL 1	-0' - 6"	LEVEL 1	12' - 6 5/16"	13' - 0 5/16"	12' - 9 5/16"	1	Yes	0' - 7"	0' - 10"	0' - 0 3/4"	Yes	Yes	0' - 10"	0' - 10"	0' - 0 3/4"	0' - 0 3/4"	2/S200		

PAD FOOTING SCHEDULE

Mark	Type	Rebar Condition	Count	Detail	Project Volume	Width	Length	Comments
P-1	2'-6" SQ X 18" DEEP	(6) #4 BAR E/W	20	2/S200	6.94 CY	2' - 6"	2' - 6"	
F-1	Footing - 18" x 18"	(2) #5 BAR T&B	4	3/S200	24.58 CY	1' - 6"		MIN.18" BELOW ADJACENT GRADE

Special Inspection Check List

Special Inspection Items	Required	Special Inspectors	Registration #	Phone #
Concrete (Design Mix, Form Work, Placement, Ect. Per Table 1704.4)	Yes	Professional Special Inspection, Inc. Ryan Mc Bride	5289461	(714) 833-1792
Erection Of Precast Concrete Members	No			
Bolts Installed In Concrete	No			
Reinforcing Steel And Pre Stressing Tendons	No			
Structural Welding / Rebar Welding	No			
High Strength Bolts / Material Verification	No			
Steel Frames Joints Details	No			
All Masonry Construction	Yes	Professional Special Inspection, Inc. Ryan Mc Bride	5289461	(714) 833-1792
Shotcrete (Curing Temp. Design Mix, Form Work, Placement, Ect. Per Table 1704.4)	No			
Soils (Excavation, Fills Ect. Per Table 1704.7)	No			
Smoke-Control Systems	No			
Piles Per Table 1704.8	No			
Piles Per Table 1704.9	No			
Mastic And Intumescent Fire-Resistant Coatings	No			
Exterior Insulation And Finish System (EIFS)	No			
Epoxy Hold Down	No			
Cal Green Inspections	Yes	Professional Special Inspection, Inc. Ryan Mc Bride	5289461	(714) 833-1792
Other	No			

A-1 — POST SIZE AND TYPE REF. (SEE STRUCTURAL COLUMN SCHEDULE); POST CONDITION AND DETAIL REF. (SEE STRUCTURAL COLUMN SCHEDULE)

EFF. L=EF — EFF. SHEAR WALL LENGTH

L=SWL — SHEAR WALL LENGTH

— ANCHOR BOLT SPACING REF. (SEE ANCHOR BOLT SCHEDULES)

? — PLAN NOTE TAG

DETAIL REF. #

DETAIL SHEET #

P-# — PAD FOOTING DETAIL (SEE SCHEDULE)

NOTE:
1. ALL ON SITE STRUCTURAL STEEL WELDING WILL REQUIRE SPECIAL INSPECTION
2. SLEEVES SHALL BE PROVIDED TO PROTECT ALL PIPING THROUGH CONCRETE AND MASONRY WALLS AND CONCRETE FLOORS
3. CONTACOR MUST FOLLOW RECOMDATION OF SOIL REPORT GEOTEK, INC. PROJECT NO. 1262-CR3 DECEMBER 29, 2014.
4. ALL STEEL COLUNM HEIGHTS ARE FROM 6" BELOW FINISH FLOOR LEVEL TYP. U.N.O.

2

FONDATION LEGEND

1/4" = 1'-0"

A-1 — POST SIZE AND TYPE REF. (SEE STRUCTURAL COLUMN SCHEDULE); POST CONDITION AND DETAIL REF. (SEE STRUCTURAL COLUMN SCHEDULE)

EFF. L=EF — EFF. SHEAR WALL LENGTH

L=SWL — SHEAR WALL LENGTH

— ANCHOR BOLT SPACING REF. (SEE ANCHOR BOLT SCHEDULES)

? — PLAN NOTE TAG

DETAIL REF. #

DETAIL SHEET #

P-# — PAD FOOTING DETAIL (SEE SCHEDULE)

NOTE:
1. ALL ON SITE STRUCTURAL STEEL WELDING WILL REQUIRE SPECIAL INSPECTION
2. SLEEVES SHALL BE PROVIDED TO PROTECT ALL PIPING THROUGH CONCRETE AND MASONRY WALLS AND CONCRETE FLOORS

FRAMING LEGEND

1/4" = 1'-0"

FRAMING

1. ALL WOOD BEARING ON CONCRETE OR MASONRY, SHALL BE PRESSURE TREATED FIR OR REDWOOD.

2. PLYWOOD FOR ROOF SHEATHING SHALL BE CD-X USE EXTERIOR TYPE, MINIMUM GRADE, WHERE PLYWOOD IS EXPOSED TO WEATHER.

3. PROVIDE 1X6 LET IN BRACING (@ APPROX. 45 DEGREES) EVERY 25'-0" MAXIMUM AT STUD WALLS NOT SHEATHED. NAIL WITH (2) 8d NAILS PER STUD AND (3) 8d NAILS AT EACH END OF TO PLATE.

4. ALL BEAMS TO BE SUPPORTED WITH FULL BEARING.

5. ALL NAILING IS TO BE PER TABLE 23-II-B-1 OF THE CALIFORNIA BUILDING CODE (C.B.C.), 2013 EDITION, UNLESS NOTED OTHERWISE.

6. STRUCTURAL MEMBERS SHALL NOT BE CUT FOR PIPES ETC. UNLESS SPECIFICALLY DETAILED.

7. PROVIDE 2X_ SOLID BLOCKING BETWEEN JOISTS, RAFTERS, AND TRUSSES AT ALL SUPPORTS. BLOCKING SHALL BE ONE PIECE AND FULL DEPTH OF THE JOIST OR RAFTER.

8. PROVIDE DOUBLE JOISTS UNDER PARTITIONS AND WALLS, WHICH ARE PARALLEL TO THE DIRECTION OF THE FLOOR JOISTS.

9. SOLID BLOCK JOISTS BETWEEN ALL PERPENDICULAR WALLS.

10. ALL WOOD-FRAMED STRUCTURES ARE TO BE CONSTRUCTED PER 2013 CALIFORNIA BUILDING CODE

11. PROVIDE SIMPSON LUS JOISTS HANGERS AT ALL JOISTS TO FLUSH FRAMING U.N.O.

12. ALL FLUSH FRAMED BEAMS TO BE HUNG FROM FLUSH FRAMING WITH SIMPSON HUTF HANGERS, U.N.O.

13. PROVIDE SIMPSON LB HANGERS AT FLOOR JOISTS TO FLUSH STEEL BEAMS (TAC-WELD), U.N.O.

14. ALL HARDWARE IS TO BE SIMPSON STRONG-TIE OR APPROVED EQUIVALENT IN STRUCTURAL DESIGN AND LOAD VALUE.

15. AT CALIFORNIA FRAMING 2X6 RAFTERS @24" O.C., MAX. SPAN IS 9'-0".

16. ALL SHEAR WALL PLYWOOD SHALL EXTEND FROM BOTTOM OF SILL PLATE TO TOP PLATE OR ROOF PLATE LINE, WHICHEVER IS GREATER.

17. ALL SHEAR WALL DESIGNATIONS ARE FOR STRUCTURAL PURPOSES. IT SHALL BE THE FRAMERS RESPONSIBILITY TO FUR OUT REMAINING WALL TO ASSURE A SMOOTH FINISH.

18. ALL (2) 2X_ JOISTS TO BE FASTENED WITH 16d NAILS @12" O/CSTAGGERED, U.N.O.

19. ALL MICRO-LAM (LVL) DBL JOISTS TO BE FASTENED WITH 2 ROWS OF 16d NAILS @ 12" O.C., U.N.O.

20. ALL (3) 2X_ OR MORE JOISTS & (3) MICRO-LAM (LVL) OR MORE TO BE FASTENED WITH 1/2" DIA. MBS @ 18" O/CSTAGGERED, U.N.O.

21. TRUSS MANUFACTURER TO PROVIDE CALCULATIONS, INCLUDING SHOP DRAWINGS, CONNECTION DETAILS INCLUDING HANGERS AS NEEDED, AND ERECTION BRACING AND NEEDED PERMANENT END TRUSS BRACING.

22. LUMBER: WCDF LARCH - 19% MAX. MOISTURE CONTENT.

23. FREE OF HEART CENTER LUMBER IS TO BE USED WHEN TWISTING OF BEAMS IS A CONCERN (I.E. EXPOSED AND FLUSH BEAMS).

24. TOP PLATES TO LAP MIN. 4'-0" AND USE MIN. (8) 16d NAILS AT TOP PLATE SPLICES. WHERE BOTH PLATES ARE BROKEN, USE SIMP. ST6224, U.N.O.

25. ALIGN PLUMBING ON FACE OF WALL OPPOSITE SHEAR MATERIAL IN ORDER TO ALLOW PROPER SHEAR PANEL EDGE NAILING AT SILL AND TOP PLATES.

26. ALL BOLTS BEARING ON WOOD SHALL HAVE STANDARD CUT WASHERS UNDER HEAD AND NUT, U.N.O.

27. DOUBLE ALL RAFTERS BELOW ROOF EQUIPMENT AND DOUBLE ALL FLOOR JOISTS BELOW ALL PARALLEL PARTITIONS.

28. SHEATHING: (ICC ESR - 1577)

ROOF: 19/32" APA RATED OSB FOIL-FACED ("ZIP-SYSTEM" ROOF BY HUBER ENGINEERED WOODS WITH RADIANT BARRIER, OR EQUAL) ROOF SHEATHING (ICC-ESR-1473 AND ICC-ES EG-220) 32/16 SPAN RATING EXTERIOR GLUE LAY PERPENDICULAR WITH ROOR FRAMING AND NAIL WITH 8d NAILS AT 6" O/C EDGES AND BOUNDARY AND 12" O/C IN FIELD

29. ALL HARDWARE NAIL HOLES SHALL BE FULLY NAILED U.N.O.

LUMBER

1. ALL STRUCTURAL LUMBER SHALL BE GRADED IN ACCORDANCE AND GRADE STAMPED PER THE STANDARD GRADING RULES NO. 16 FOR WEST COAST LUMBER, UNLESS NOTED OTHERWISE.

2. ALL WOOD BEARING ON CONCRETE SHALL BE PRESSURE TREATED DOUGLAS FIR OR REDWOOD.

3. PREDRILL ALL HOLES FOR 20D (AND LARGER) NAILS AND BOLTS, 1/32" TO 1/16" GREATER THAN THE NOMINAL NAIL OR BOLT DIAMETER.

4. LAG BOLTS SHALL HAVE LEAD HOLES BORED BEFORE DRIVING HOLES, DIAMETERS TO BE AS FOLLOWS:

A. SHANK PORTION - SAME DIAMETER AND LENGTH AS SHANK.

B. THREAD PORTION - 0.6 TO 0.75 DIAMETER OF THREAD AND SAME LENGTH.

5. ALL BOLTS SHALL BE RE-TIGHTENED PRIOR TO COVERAGE BY THE APPLICATION OF PLYWOOD, PLASTER, ETC.

6. ALL STRUCTURAL PLYWOOD SHALL BE STRUCTURAL II OR C-D GRADE WITH EXTERIOR GLUE, U.N.O, AND CONFORM TO PS-1-95. EACH SHEET SHALL BE IDENTIFIED BY A REGISTERED STAMP DFPA OR APA.

7. ALL STRUCTURAL LUMBER SHALL BE DOUGLAS FIR-LARCH, OF THE FOLLOWING GRADES, U.N.O.
STUDS, BLOCKING - STUD OR CONST.
PLATES - #2 OR BETTER
2X_ JOISTS AND PLANKS - #2 OR BETTER
4X_ AND 6X_ BEAMS AND STRINGERS - #1
POSTS AND TIMBERS - #1
ROOF PLANKING AND DECKING - COM. DEX
BOARDS, SHTG. AND STRIPPING - SUITABLE FOR INTENDED USE

8. ALL PARALLAM (PSL) BEAM SHALL HAVE Fv = 290 psi, Fb = 2800 psi, AND E = 2.0 x 10^6 psi.

GLUE-LAMINATED LUMBER

1. MATERIALS AND FABRICATION SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR DESIGN OF STRUCTURAL GLUE-LAMINATED DOUGLAS FIR (COASTAL REGION) TIMBER REVISED OF THE WCLIB.

2. ALL LAMINATIONS SHALL BE 1-1/2" THICK DOUGLAS FIR.

3. MOISTURE CONTENT SHALL BE BETWEEN 7% AND 12%.

4. FABRICATOR SHALL BE A MEMBER OF AITC AND SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL BY THE ENGINEER PRIOR TO FABRICATION. FABRICATOR SHALL SUBMIT CERTIFICATE OF COMPLIANCE FOR ALL PREFABRICATED BEAMS TO BLDG. DEPT.

5. ALL GLUE-LAMINATED BEAMS SHALL BE 24F-V4 WITH EXTERIOR GLUE EXPOSED TO WEATHER AND INTERIOR GLUE FOR INTERIOR BEAMS UNLESS NOTED OTHERWISE.

6. PROVIDE TENSION LAMINATIONS AT TOP OF CONTINUOS BEAMS OVER COLUMNS, UNLESS NOTED OTHERWISE.

BEAM SCHEDULE

Size Type	Number	Type	Category	Level	Beam	Start Height	End Height	Cut Length
J1	1	C8.5" x 2" x 18ga.	Joist	LEVEL 2	TOP @	0' - 0"	0' - 0"	8' - 0 1/8"
J1	2	C8.5" x 2" x 18ga.	Joist	LEVEL 2	TOP @	0' - 0"	0' - 0"	11' - 4 5/8"
J1	3	C8.5" x 2" x 18ga.	Joist	LEVEL 2	TOP @	0' - 0"	0' - 0"	11' - 4 5/8"
J1	4	C8.5" x 2" x 18ga.	Joist	LEVEL 2	TOP @	0' - 0"	0' - 0"	11' - 4 5/8"
J1	5	C8.5" x 2" x 18ga.	Joist	LEVEL 2	TOP @	0' - 0"	0' - 0"	5' - 0 5/8"
C8.5" x 2" x 18ga.								47' - 2 3/8"
B1	1	C8X11.5	Beam	LEVEL 1	TOP @	14' - 11 1/2"	14' - 11 1/2"	8' - 2"
B1	2	C8X11.5	Beam	LEVEL 1	TOP @	14' - 11 1/2"	14' - 11 1/2"	20' - 8"
B1	3	C8X11.5	Beam	LEVEL 1	TOP @	14' - 11 1/2"	14' - 11 1/2"	5' - 0 7/8"
B1	4	C8X11.5	Beam	LEVEL 1	TOP @	26' - 4"	27' - 0"	21' - 8"
B1	5	C8X11.5	Beam	LEVEL 1	TOP @	27' - 0"	27' - 5 1/2"	21' - 11 3/4"
B1	6	C8X11.5	Beam	LEVEL 1	TOP @	27' - 5 1/2"	26' - 11 5/8"	22' - 11 3/8"
C8X11.5								100' - 6"
B2	1	HSS4X4X1/4	Beam	LEVEL 1	TOP @	25' - 9"	25' - 9"	69' - 10 3/4"
B2	2	HSS4X4X1/4	Beam	LEVEL 1	TOP @	25' - 9"	25' - 9"	73' - 6"
B2	3	HSS4X4X1/4	Beam	LEVEL 1	TOP @	25' - 9"	25' - 9"	69' - 10 3/4"
HSS4X4X1/4								213' - 3 1/2"
L1	1	L5X5X1/2	Ledger	LEVEL 1	TOP @	26' - 11 3/4"	26' - 0 1/2"	20' - 1 3/8"
L1	2	L5X5X1/2	Ledger	LEVEL 1	TOP @	26' - 3 1/2"	27' - 0"	20' - 5 5/8"
L1	3	L5X5X1/2	Ledger	LEVEL 1	TOP @	26' - 11 7/8"	27' - 5 1/2"	22' - 5 3/8"
L1	4	L5X5X1/2	Ledger	LEVEL 1	TOP @	27' - 5 1/2"	27' - 0"	21' - 11 7/8"
L1	5	L5X5X1/2	Ledger	LEVEL 1	TOP @	27' - 0"	26' - 4"	21' - 8"
L1	6	L5X5X1/2	Ledger	LEVEL 1	TOP @	26' - 9 1/2"	26' - 1 1/4"	24' - 6 1/2"
L1	7	L5X5X1/2	Ledger	LEVEL 1	TOP @	26' - 1 1/4"	26' - 9 1/2"	23' - 8 3/4"
L1	8	L5X5X1/2	Ledger	LEVEL 1	TOP @	25' - 10"	26' - 9 1/4"	39' - 2 5/8"
L1	9	L5X5X1/2	Ledger	LEVEL 1	TOP @	26' - 6 1/4"	26' - 1 1/2"	8' - 5 1/8"
L1	10	L5X5X1/2	Ledger	LEVEL 1	TOP @	26' - 9 1/4"	26' - 9 1/4"	10' - 6 5/8"
L1	11	L5X5X1/2	Beam	LEVEL 1	TOP @	13' - 2"	13' - 2"	15' - 4 1/2"
L1	12	L5X5X1/2	Beam	LEVEL 1	TOP @	13' - 2"	13' - 2"	12' - 2"
L1	13	L5X5X1/2	Beam	LEVEL 1	TOP @	13' - 2"	13' - 2"	12' - 2 3/4"
L1	14	L5X5X1/2	Ledger	LEVEL 1	TOP @	13' - 7"	13' - 7"	19' - 7 5/8"
L1	15	L5X5X1/2	Ledger	LEVEL 1	TOP @	13' - 4 1/2"	13' - 4 1/2"	30' - 1 1/2"
L1	16	L5X5X1/2	Ledger	LEVEL 1	TOP @	13' - 4 1/2"	13' - 4 1/2"	47' - 5 1/8"
L5X5X1/2								350' - 1 1/8"
J2	1	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	26' - 6 1/8"	20' - 3 1/2"
J2	2	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	26' - 8 5/8"	19' - 1"
J2	3	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	26' - 9 5/8"	19' - 1"
J2	4	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	26' - 10 5/8"	19' - 1"
J2	5	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	26' - 11 3/4"	19' - 1"
J2	6	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	26' - 10 5/8"	19' - 11 3/4"
J2	7	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	26' - 9 1/2"	19' - 11 3/4"
J2	8	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	26' - 8 3/8"	19' - 11 3/4"
J2	9	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	26' - 7 1/4"	19' - 11 3/4"
J2	10	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	26' - 6 1/8"	19' - 11 7/8"
J2	11	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	26' - 4 7/8"	19' - 11 7/8"
J2	12	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	26' - 3 3/4"	19' - 11 7/8"
J2	13	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	26' - 2 5/8"	20' - 5 7/8"
J2	14	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	27' - 5 1/2"	23' - 0 1/4"
J2	15	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	27' - 5 1/2"	23' - 0 1/4"
J2	16	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	27' - 5 1/2"	23' - 0 1/4"
J2	17	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	27' - 5 1/2"	23' - 0 1/4"
J2	18	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	27' - 5 1/2"	23' - 0 1/4"
J2	19	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	27' - 5 1/2"	23' - 0 1/4"
J2	20	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	27' - 5 1/2"	23' - 0 1/4"
J2	21	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	27' - 5 1/2"	23' - 0 1/4"
J2	22	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	27' - 5 1/2"	23' - 0 1/4"
J2	23	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	27' - 5 1/2"	23' - 0 1/4"
J2	24	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	27' - 5 1/2"	23' - 0 1/4"
J2	25	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 11 3/4"	27' - 5 1/2"	23' - 0 1/4"
J2	26	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	27' - 5 1/2"	27' - 0"	22' - 1"
J2	27	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	27' - 5 1/2"	27' - 0"	22' - 1"
J2	28	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	27' - 5 1/2"	27' - 0"	22' - 1"
J2	29	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	27' - 5 1/2"	27' - 0"	22' - 1"
J2	30	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	27' - 5 1/2"	27' - 0"	22' - 1"
J2	31	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	27' - 5 1/2"	27' - 0"	22' - 1"
J2	32	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	27' - 5 1/2"	27' - 0"	22' - 1"
J2	33	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	27' - 5 1/2"	27' - 0"	22' - 1"
J2	34	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	27' - 5 1/2"	27' - 0"	22' - 1"
J2	35	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	27' - 5 1/2"	27' - 0"	22' - 1"
J2	36	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	27' - 5 1/2"	27' - 0"	22' - 1"
J2	37	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	27' - 5 1/2"	27' - 0"	22' - 1"
J2	38	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 5 1/8"	27' - 0"	22' - 0 3/4"
J2	39	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 6 1/2"	27' - 0"	22' - 0 3/4"
J2	40	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 7 7/8"	27' - 0"	22' - 0 5/8"
J2	41	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 9 1/4"	27' - 0"	22' - 0 5/8"
J2	42	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 10 5/8"	27' - 0"	22' - 0 1/2"
J2	43	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	27' - 0"	27' - 0"	22' - 0 1/2"
J2	44	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 10 5/8"	27' - 0"	22' - 0 1/2"
J2	45	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 9 3/8"	27' - 0"	22' - 0 5/8"
J2	46	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 8"	27' - 0"	22' - 0 5/8"
J2	47	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 6 5/8"	27' - 0"	22' - 0 3/4"
J2	48	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 5 3/8"	27' - 0"	22' - 0 3/4"
J2	49	PC_Vulcraft_14K1	Joist	LEVEL 1	TOP @	26' - 4"	27' - 0"	22' - 0 7/8"
PC_Vulcraft_14K1								1063' - 0 1/4"
J3	1	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	19' - 11 3/4"
J3	2	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	19' - 11 3/4"
J3	3	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	19' - 11 3/4"
J3	4	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	19' - 11 3/4"
J3	5	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	19' - 11 3/4"
J3	6	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	19' - 11 3/4"
J3	7	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	19' - 11 3/4"
J3	8	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	23' - 0 1/4"
J3	9	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	23' - 0 1/4"
J3	10	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	22' - 1"
J3	11	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	22' - 1"
J3	12	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	21' - 9 1/4"
J3	13	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	21' - 9 1/4"
J3	14	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	15' - 2 1/8"
J3	15	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	15' - 2 1/8"
J3	16	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	15' - 2 1/8"
J3	17	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	15' - 2 1/8"
J3	18	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	15' - 2 1/8"
J3	19	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	15' - 2 1/8"
J3	20	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	15' - 2 1/8"
J3	21	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	15' - 2 1/8"
J3	22	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	15' - 2 1/8"
J3	23	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	15' - 2 1/8"
J3	24	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	15' - 2 1/8"
J3	25	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	15' - 2 1/8"
J3	26	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	12' - 2 5/8"
J3	27	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	12' - 2 5/8"
J3	28	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	12' - 2 5/8"
J3	29	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	23' - 11 1/4"
J3	30	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	23' - 11 1/4"
J3	31	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	23' - 11 1/4"
J3	32	PC_Vulcraft_16K5	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	23' - 11 1/4"
PC_Vulcraft_16K5								588' - 1 3/8"
B3	1	W8X18	Joist	LEVEL 1	TOP @	26' - 9 1/2"	26' - 5 7/8"	14' - 0 5/8"
B3	2	W8X18	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	9' - 11 5/8"
B3	3	W8X18	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	12' - 5 1/4"
B3	4	W8X18	Joist	LEVEL 1	TOP @	13' - 4 1/2"	13' - 4 1/2"	4' - 4 7/8"
B3	5	W8X18	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	4' - 9 1/2"
B3	6	W8X18	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	4' - 9 1/2"
B3	7	W8X18	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	4' - 9 1/2"
B3	8	W8X18	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	9' - 11 5/8"
B3	9	W8X18	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	4' - 6 1/4"
B3	10	W8X18	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	4' - 6 1/4"
B3	11	W8X18	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	6' - 9 1/8"
B3	12	W8X18	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	5' - 6 7/8"
B3	13	W8X18	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	5' - 6 7/8"
B3	17	W8X18	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	5' - 6 7/8"
B3	15	W8X18	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	5' - 6 7/8"
B3	16	W8X18	Joist	LEVEL 1	TOP @	13' - 7"	13' - 7"	5' - 3 3/8"
B3	17	W8X18	Joist	LEVEL 1	TOP @	14' - 0"	14' - 0"	14' - 0 5/8"
W8X18								122' - 7 1/2"
B4	1	W10X22	Beam	LEVEL 1	TOP @	13' - 7"	13' - 7"	25' - 6 5/8"
B4	4	W10X22	Beam	LEVEL 1	TOP @	13' - 7"	13' - 7"	14' - 6 7/8"
B4	6	W10X22	Beam	LEVEL 1	TOP @	13' - 4 1/2"	13' - 4 1/2"	11' - 1 3/8"
B4	7	W10X22	Beam	LEVEL 1	TOP @	13' - 4 1/2"	13' - 4 1/2"	11' - 1 3/8"
B4	8	W10X22	Beam	LEVEL 1	TOP @	13' - 4 1/2"	13' - 4 1/2"	11' - 1 3/8"
B4	9	W10X22	Beam	LEVEL 1	TOP @	13' - 4 1/2"	13' - 4 1/2"	11' - 0 7/8"
B4	10	W10X22	Beam	LEVEL 1	TOP @	13' - 4 1/2"	13' - 4 1/2"	18' - 5 1/8"
B4	11	W10X22	Beam	LEVEL 2	TOP @	-1' - 7 1/2"	-1' - 7 1/2"	11' - 8 1/2"
B4	12	W10X22	Beam	LEVEL 1	TOP @	13' - 4 1/2"	13' - 4 1/2"	11' - 8 1/2"
B4	13	W10X22	Beam	LEVEL 1	TOP @	13' - 4 1/2"	13' - 4 1/2"	11' - 8 1/2"
W10X22								138' - 1 1/4"
B5	1	W12X30	Joist	LEVEL 1	TOP @	13' - 4 1/2"	13' - 4 1/2"	19' - 1 3/4"
B5	2	W12X30	Joist	LEVEL 1	TOP @	13' - 4 1/2"	13' - 4 1/2"	14' - 11"
B5	3	W12X30	Joist	LEVEL 1	TOP @	13' - 4 1/2"	13' - 4 1/2"	14' - 6 5/8"
W12X30								48' - 7 1/4"
B6	1	W12X35	Beam	LEVEL 1	TOP @	13' - 4 1/2"	13' - 4 1/2"	19' - 1 3/4"
W12X35								19' - 1 3/4"
B7	1	W12X40	Beam	LEVEL 1	TOP @	25' - 5"	25' - 5"	16' - 5 1/4"
B7	2	W12X40	Beam	LEVEL 1	TOP @	25' - 5"	25' - 5"	16' - 5 1/4"
B7	3	W12X40	Beam	LEVEL 1	TOP @	25' - 5"	25' - 5"	4' - 11 3/4"
B7	4	W12X40	Beam	LEVEL 1	TOP @	25' - 5"	25' - 5"	16' - 5 1/4"
W12X40								54' - 3 1/2"
B8	1	W12X50	Beam	LEVEL 1	TOP @	27' - 3"	27' - 3"	23' - 3 7/8"
B8	2	W12X50	Beam	LEVEL 1	TOP @	27' - 3"	27' - 3"	24' - 6 1/4"
B8	3	W12X50	Beam	LEVEL 1	TOP @	26' - 9 1/4"	26' - 9 1/4"	23' - 8"
B8	4	W12X50	Beam	LEVEL 1	TOP @	26' - 9 1/4"	26' - 9 1/4"	24' - 5 3/4"
B8	5	W12X50	Beam	LEVEL 1	TOP @	26' - 9 1/2"	26' - 9 1/2"	23' - 3 7/8"
B8	6	W12X50	Beam	LEVEL 1	TOP @	26' - 9 1/2"	26' - 9 1/2"	24' - 6 1/4"
W12X50								143' - 10"
B9	1	W16X36	Beam	LEVEL 1	TOP @	13' - 7"	13' - 7"	29' - 1 5/8"
B9	2	W16X36	Beam	LEVEL 1	TOP @	13' - 4 1/2"	13' - 4 1/2"	29' - 2 1/8"
B9	3	W16X36	Beam	LEVEL 1	TOP @	13' - 7"	13' - 7"	21' - 8 3/4"
B9	5	W16X36	Beam	LEVEL 1	TOP @	13' - 7"	13' - 7"	22' - 11 3/4"
B9	5	W16X36	Beam	LEVEL 1	TOP @	13' - 7"	13' - 7"	22' - 0"
B9	6	W16X36	Beam	LEVEL 1	TOP @	13' - 7"	13' - 7"	21' - 11 1/8"
W16X36								146' - 11 3/8"
B11	1	W16X40	Beam	LEVEL 1	TOP @	13' - 4 1/2"	13' - 4 1/2"	29' - 3 1/4"
W16X40								29' - 3 1/4"

GENERAL NOTES AND REQUIREMENTS

1. WORK SHALL COMPLY WITH THESE STRUCTURAL SPECIFICATIONS, NOTES, AND DRAWINGS TOGETHER WITH ASSOCIATED SPECIFICATIONS, NOTES AND DRAWINGS - COLLECTIVELY REFERRED TO AS THE CONSTRUCTION DOCUMENTS.

2. WORK SHALL COMPLY WITH THE 2013 CALIFORNIA BUILDING CODE(2013 CBC) AS ADOPTED AND AMENDED BY THE CALIFORNIA CODE OF REGULATION (CCR), TITLE 24, CALIFORNIA BUILDING CODE AND AS ADOPTED AND AMENDED BY THE LOCAL CITY OR COUNTY AND ANY AGENCIES HAVING JURISDICTION - COLLECTIVELY REFERRED TO AS THE BUILDING CODE.

3. WORK SHALL COMPLY WITH APPLICABLE FEDERAL LAWS, STATE STATUTES, LOCAL ORDINANCES, AND THE REGULATIONS OF AGENCIES HAVING JURISDICTION. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR COMPLYING WITH THE CONSTRUCTION SAFETY ORDERS AND THE GENERAL INDUSTRIAL SAFETY ORDERS OF THE STATE DIVISION OF INDUSTRIAL SAFETY, THE REGULATIONS OF THE FEDERALAND STATE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATIONS, AND SUCH OTHER AGENCIES GOVERNING THE CONTRACTOR'S ACTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND HOLD HARMLESS THE STRUCTURAL ENGINEER FOR ANY DAMAGES AND OR PENALTIES RESULTING FROM HIS FAILURE TO COMPLY WITH SAID LAWS, STATUTES, ORDINANCES, AND REGULATIONS.

4. THE DESIGN, ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR, AND HAS NOT BEEN CONSIDERED BY THE STRUCTURAL ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE PRIOR TO THE APPLICATION OF ALL SHEAR WALLS, ROOF, AND FLOOR DIAPHRAGMS AND FINISH MATERIALS. HE SHALL PROVIDE THE NECESSARY BRACING TO PROVIDE STABILITY PRIOR TO THE APPLICATION OF THE AFOREMENTIONED MATERIALS. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEM.

5. NO ALTERNATE METHODS OF CONSTRUCTION OR SUBSITUTIONS SHALL BE ALLOWED WITHOUT APPROVAL OF THE OWNER, ARCHITECT, AND STRUCTURAL ENGINEER.

6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON THE CONSTRUCTION DOCUMENTS AND AT THE SITE AND SHALL NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES FOUND PRIOR TO COMMENCING WORK. DRAWINGS TAKE PRECEDENCE OVER SPECIFICATIONS, DETAILED DRAWING AND SPECIFICATIONS TAKE PRECEDENCE OVER GENERAL DRAWINGS AND SPECIFICATIONS, DIMENSIONS TAKE PRECEDENCE OVER SCALED MEASUREMENTS.

7. REVIEW MADE OF THE SHOP DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS. THE SHOP DRAWINGS WILL BE VIEWED FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECTAS INDICATED BY THE CONSTRUCTION DOCUMENTS. QUANTITIES OR DIMENSIONS WILL NOT BE REVIEWED. PROCESSES, TECHNIQUES OF CONSTRUCTION, SAFETY PROCEDURES, OR COORDINATION OF THE WORK WITH THAT OF ANY OTHER TRADE WILL NOT BE REVIEWED.

8. APPROVAL BY THE INSPECTOR DOES NOT MEAN APPROVAL OF FAILURE TO COMPLY WITH THE PLANS AND SPECIFICATIONS. ANY DESIGN WHICH FAILS TO BE CLEAR OR IS AMBIGUOUS MUST BE REFERRED TO THE ENGINEER OR ARCHITECT FOR INTERPRETATION OR CLARIFICATION.

9. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITIES, PIPES, AND OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL ASCERTAIN THE TRUE VERTICAL AND HORIZONTAL LOCATION AND SIZE OF ANY UNDERGROUND UTILITIES OF THOSE TO BE USED, AND SHALL BE RESPONSIBLE FOR DAMAGE TO ANY PUBLIC OR PRIVATE UTILITIES, SHOWN OR NOT SHOWN HEREON. CONTRACTOR SHALL ALSO CONTACT UNDERGROUND SERVICE ALERT 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION AT (800) 422-4133 FOR IDENTIFICATION OF UNDERGROUND FACILITIES.

10. PRIOR TO STARTING CONSTRUCTION OF THIS PROJECT, THE CONTRACTOR SHALL UNCOVER ALL EXISTING UTILITY LINES AFFECTING THIS WORK AND VERIFY ALL JOIN LOCATIONS, BOTH VERTICAL AND HORIZONTAL. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPORT ANY DISCREPANCIES IN PLANS AND OR FIELD CONDITIONS IMMEDIATELY TO THE DESIGN ENGINEER FOR RESOLUTION PRIOR TO CONSTRUCTION, AND SHALL BE RESPONSIBLE FOR DISCREPANCIES NOT SO REPORTED AND RESOLVED.

11. THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE, UNLESS OTHERWISE SHOWN, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION, THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE THE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY FIELD REPRESENTATIVES OF THE ENGINEER SHALL NOT INCLUDE INSPECTION OF THE PROTECTIVE MEASURES OR THE CONSTRUCTION PROCEDURES REQUIRED FOR SAME, WHICH ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR ANY SUPPORT SERVICES PERFORMED BY THE ARCHITECT AND OR THE ENGINEER DURING CONSTRUCTION SHALL BE DISTINGUISHED FROM CONTINUOS AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS, THESE SUPPORT SERVICES PERFORMED BY THE DESIGNER AND OR HIS ENGINEER, WHETHER OF MATERIAL, AND WHETHER PERFORMED PRIOR TO, DURING, OR AFTER COMPLETION OF CONSTRUCTION ARE PERFORMED SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DRAWINGS AND SPECIFICATIONS, BUT THEY DO NOT GUARANTEE CONTRACTOR PERFORMANCE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.

2

SITE PREPARATION AND FOUNDATION

1. THE FOUNDATION DESIGN IS BASED ON THE SOILS REPORT PREPARED BY GEOTEK, INC. PROJECT NO. 1262-CR3 DECEMBER 29, 2014

2. THE ABOVE SOILS REPORT IS PART OF THESE PLANS AND TO BE FOLLOWED IN ITS ENTIRETY. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL THE REQUIREMENTS THEREIN.

3. THE SITE PREPARATION, EXCAVATION AND COMPACTION SHALL BE DONE UNDER THE SUPERVISION OF THE SOIL ENGINEER.

4. ALL BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY, UNLESS NOTED OTHERWISE BY THE SOILS ENGINEER.

5. ALL EXCAVATIONS SHALL BE INSPECTED AND APPROVED BY THE SOILS ENGINEER PRIOR TO POURING FOOTINGS WHEN REQUIRED BY HIM.

6. ALL WATER SHALL BE REMOVED FROM FOUNDATION EXCAVATIONS PRIOR TO THE PLACING OF CONCRETE.

7. THE GENERAL CONTRACTOR SHALL INVESTIGATE SUB-SURFACE CONDITIONS, BEFORE AND DURING GRADING OF SITE, FOR FILLED EXCAVATIONS OR BURIED STRUCTURES, SUCH AS CESSPOOLS, CISTERNS AND EXISTING FOUNDATIONS. IF ANY SUCH STRUCTURES ARE FOUND AND SUB-SURFACE CONDITIONS VARY FROM PLANS OR SPECIFICATIONS, THE SOILS ENGINEER AND THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY PRIOR TO THE PLACING OF ANY FOUNDATIONS.

8. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO FULLY PROTECT ADJACENT PROPERTIES INCLUDING BUT NOT LIMITED TO THE REQUIREMENTS OF 2013 CBCSECTION 33012.

9. ALL SITE AND PAD PREPARATION, SUCH AS BUT NOT LIMITED TO, GRADING, COMPACTION OF THE FILL, PRE-SATURATION, AND CONCRETE SLABE BASE PREPARATION, SHALL BE PERFORMED IN ACCORDANCE WITH THE SOILS ENGINEER'S RECOMMENDATIONS AS INDICATED IN THE SOILS REPORT AND THE 2013 CBCSECTION 1806.

10. ALL BOTTOMS OF FOOTING EXCAVATIONS SHALL BE LEVEL, CLEAN, AND FREE OF LOOSE MATERIAL OR WATER WHEN CONCRETE IS PLACED. OVER EXCAVATION SHALL BE FILLED WITH CONCRETE AS FOR THE FOOTINGS. BACKFILL SHALL NOT BE PLACED UNTIL SUPPORTING FOUNDATION, WALLS AND SLAB HAVE ATTAINED SUFFICIENT STRENGTH TO SUPPORT LATERAL SOIL PRESSURE.

11. NO PIPES AND CONDUITS SHALL EXTEND UNDER ISOLATED COLUMN FOOTING OR UNDER CONTINUOUS WALL FOOTING UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER AND THE BUILDING OFFICIAL.

12. FINISH GRADE AROUND THE PERIMETER OF THE STRUCTURE SHALL BE SUCH THAT RAIN AND IRRIGATION WATER DRAIN AWAY FROM THE FOUNDATION AS REQUIRED BY 2013 CBCSECTION 1804.7 AND 1806.55 AND THE CIVIL DRAWINGS.

13. ALL HARDWARE IS TO BE SIMPSON STRONG TIE OR EQUIVALENT IN STRUCTURAL VALUE AND DESIGN.

14. ALL EXTERIOR WALLS TO BE SECURED WITH 3/4" DIA. ANCHOR BOLTS WITH 7" MINIMUM EMBEDMENT FOR SINGLE POUR OR 12" MINIMUM EMBEDMENT FOR TWO POUR AT 48" O/CMAXIMUM, UNLESS NOTED OTHERWISE. LOCATE BOLTS 12" FROM CORNERS AND ENDS OF SILL PLATE. PROVIDE MINIMUM (2) ANCHOR BOLTS PER SILL PLATE. PLATE WASHERS A MINIMUM OF 3"x3"x.229" THICK SHALL BE USED ON EACH BOLT.

15. ALL INTERIOR WALLS TO BE SECURED WITH SHOT-PINS PER MANUFACTURERS SPECIFICATIONS UNLESS NOTED OTHERWISE. RECOMMEND ITW/RAMSET/RED HEAD #3348 AT 48" O/CFOR NON-SHEAR WALLS. 5/8" DIA. ANCHOR BOLTS WITH 7" MINIMUM EMBEDMENT FOR SINGLE POUR OR 12" MINIMUM EMBEDMENT FOR TWO POUR AT 72" O/CMAXIMUM. CALCS. GOVERN IN ALL CASES.

2

16. PROVIDE SIMPSON CBS AT ALL EXTERIOR ISOLATED POSTS AND SIMPSON PBS AT ALL INTERIOR ISOLATED POSTS, U.N.O.

17. WE RECOMMEND ALL SLABS TO BE 4" THICK CONCRETE SLAB ON 2" SAND OVER 10 MIL "VISQUEEN" VAPOR RETARDER WITH #3 BARS AT 18" ON CENTER EACH WAY IN CENTER OF SLAB. REFER TO SOILS REPORT FOR ADDITIONAL RECOMMENDATIONS GeoTek, Inc. Geotechnical Evaluation, Project No. 1262-CR3, December 29, 2014.

18. USE CONCRETE BLOCKS TO ENSURE W.W.MESH PLACEMENT AT MID-HEIGHT OF SLAB. DO NOT HOOK MESH TO LIFT TO MID-HEIGHT SLAB.

19. USE SIMPSON EPOXY SET ICC ESR-2508 W/ 5/8" DIA. THREADED ROD FOR MISSED 5/8" DIA. ANCHOR BOLTS. PROVIDE A MINIMUM EMBEDMENT OF 5" W/ SPECIAL INSPECTION.

20. HOLDOWNS AND OTHER HARDWARE ARE TO BE TIED IN PLACE PRIOR TO INSPECTION AND EXACT LOCATIONS ARE TO BE VERIFIED BY CONCRETE AND FRAMING CONTRACTOR.

CONCRETE

1. ALL CONCRETE SHALL CONFORM TO THE LATEST EDITION OF THE GOVERNING CODE.

2. CONCRETE SHALL BE DESIGNED AND TESTED AS OUTLINED IN THE FOLLOWING SPECIFICATIONS OR AS NOTED IN PLANS.

3. ALL CEMENT TYPE II SHALL CONFORM TO ASTM C-150.

4. FINE AND COURSE AGGREGATE SHALL CONFORM TO ASTM C-33 FOR STANDARD WEIGHT CONCRETE AND ASTM C-333 FOR LIGHT WEIGHT CONCRETE.

5. ALL AGGREGATE SHALL BE COMPARABLE TO SAN GABRIEL VALLEY AGGREGATE. THE SHRINKAGE SHALL CONFORM TO ASTM C-157 WITH THE AVERAGE DRYING SHRINKAGE AT 28 DAYS, NOT EXCEEDING 0.4%.

6. DRYPACK SHALL BE COMPOSED OF ONE PART PORTLAND CEMENT TO NOT MORE THAN THREE PARTS SAND.

7. ANCHOR BOLTS, DOWELS, INSERTS, ETC. SHALL BE SECURED IN PLACE AND INSPECTED PRIOR TO POURING CONCRETE BY THE LOCAL BUILDING DEPARTMENT INSPECTOR.

8. CONCRETE SHALL BE CURED BY KEEPING CONTINUOUSLY WET FOR 10 DAYS OR BY AN APPROVED CURING COMPOUND.

9. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR MISCELLANEOUS ITEMS TO BE CAST INTO CONCRETE AND FLOOR DEPRESSION, PIT, ETC.

10. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF ALL EXPANSION JOINTS, SCORING, ETC. FOR CONCRETE SLABS AND WALKS.

11. MINIMUM f'c IS TO BE 2500 PSI ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS UNLESS NOTED OTHERWISE.

12. ALL CONCRETE WITH f'c > 3000 PSI SHALL HAVE SPECIAL INSPECTION PER SECTION 1701 OF THE CALIFORNIA BUILDING CODE OR BY A DEPUTY-INSPECTOR LICENSED BY THE LOCAL BUILDING OFFICIAL.

13. CONCRETE COVER AT REINFORCING STEEL TO BE 3" FOR UNFORMED AND 2" FOR FORMED CONCRETE FOOTINGS.

14. BEFORE CONCRETE IS PLACED THE GENERAL CONTRACTOR SHALL COORDINATE AND CHECK WITH ALL TRADES TO ENSURE THE PROPER PLACEMENT OF ALL OPENINGS, SLEEVES INSERTS, CURBS, DEPRESSIONS, ETC. RELATING TO THE WORK, AS SHOWN IN THE DRAWINGS. ANY CHANGE OR DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR THE ENGINEER AND THE LOCAL BUILDING AGENCY, PRIOR TO THE PLACING OF ANY CONCRETE.

REINFORCING STEEL

1. ALL REINFORCING STEEL SHALL BE AS FOLLOWS:
A. NO. 4 BARS AND SMALLER - INTERMEDIATE GRADE CONFORMING TO ASTM A615-40, UNLESS FOR STRUCTURAL SLABS & MASONRY WALL CONFORM TO ASTM A615-60.

B. NO.5 BARS AND LARGER - HARD GRADE CONFORMING TO ASTM A615-60.

C. ALL MASONRY WALL REINFORCING, INCLUDING MASONRY WALL FOOTING, SHALL BE INTERMEDIATE GRADE CONFORMING TO ASTM A615-60.

D. ALL BARS SHALL BE DEFORMED AS PER ASTM A305.

E. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185, LAP 1 1/2 SPACES, 9 MINIMUM.

2. ALL BARS SHALL BE CLEAN OF LOOSE, FLAKY RUST, GREASE OR OTHER MATERIALS LIKELY TO IMPAIR BOND.

3. ALL BENDS SHALL BE MADE COLD.

4. SPLICING OF BARS SHALL HAVE LAPPING OF 48 DIAMETERS OR 2'-0" MINIMUM IN ALL CONTINUOUS REINFORCEMENT OF FOOTING AND CONCRETE WALLS, EXCEPT AS NOTED ON PLANS. MASONRY REINFORCING SHALL HAVE LAPPING OF 72 DIAMETERS OR 2'-0" MINIMUM.

5. ALL REINFORCING BARS SHALL BE ACCURATELY AND SECURELY PLACED BEFORE POURING CONCRETE OR APPLYING MORTAR OR GROUT.

S.D.ENGINEERING AND ASSOCIATES
LAND PLANNING AND CIVIL ENGINEERING
242 E. AIRPORT DRIVE, SUITE 212 - SAN BERNARDINO, CALIF. 92408
PHONE (909) 884-7090 FAX (909) 884-7090

Revision		
Number	Description	Date
2	Plan Check #2	10-13-2014

Recycling Center For:

HOISTON INT'L ENTERPRISES INC.

13-940

6-31-14

2192 W. HIGHLAND AVE. SAN BERNARDINO, CA 92407

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Schedules & Notes