

PLUMBING SYSTEM NOTES

1.

THE SCOPE OF THE PLUMBING WORK ENCOMPASSES A COMPLETE OPERATING PLUMBING SYSTEM CONSISTING OF DRAINAGE, WASTE AND VENT PIPING, HOT AND COLD WATER DISTRIBUTION SYSTEM, AND PLUMBING FIXTURES COMPLETE WITH TRIM AND TRAPS FULLY INTEGRATED INTO THE EXISTING PLUMBING SYSTEM.
2.

ALL WORK SHALL CONFORM TO THE APPLICABLE PLUMBING CODES, AND ALL PERTINENT LOCAL REGULATIONS APPLICABLE TO THIS SECTION. PROVIDE ALL REQUIRED PERMITS AND OBTAIN ALL INSPECTIONS AND PAY SUCH FEES AS MAY BE THEREBY INCURRED. PERFORM OR OBTAIN ALL TESTS AS MAY BE REQUIRED, SUPPLYING ALL LABOR AND INSTRUMENTS NEEDED AND PAY SUCH COSTS INCURRED.
3.

GIVE CAREFUL CONSIDERATION TO THE WORK OF OTHER TRADES AND ORGANIZE THE WORK SO THAT IT WILL NOT INTERFERE WITH THE OTHER TRADES. EXAMINE THE SITE AND PLANS AND BE FULLY INFORMED REGARDING THE LIMITATIONS OF SPACE AVAILABLE FOR INSTALLATION OF ALL EQUIPMENT AND MATERIAL AS WELL AS ALL CONDITIONS REGARDING SERVICE CONNECTIONS, GRADE, GROUND CONDITIONS, AND AL FACTORS INVOLVED IN THE COMPLETION OF THE WORK.
4.

FURNISH AND INSTALL ALL SLEEVES, HANGERS, INSERTS, ANCHORS AND APPURTENANCES AS MAY BE REQUIRED FOR PROPER EXECUTION AND FUNCTIONING OF THE PLUMBING SYSTEM.
5.

ALL SUPPLY PIPING SHALL BE TYPE "L" COPPER WITH WROUGHT SOLDER FILLINGS, INSTALLED TO PROVIDE FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE OR EQUIPMENT. COPPER SUPPLY PIPING SHALL BE INSTALLED UNDER CONCRETE FLOOR SLAB AND SHALL BE INCASED IN PLASTIC PIPE SLEEVES. HORIZONTAL DRAINAGE AND VENT PIPING SHALL BE PVC SCHEDULE 40 AND BE GRADED AT A MINIMUM OF 1/8" PER FOOT INTO THE SYSTEM. VERTICAL PIPING SHALL BE PLUMBED IN TWO DIRECTIONS. PROVIDE NON-CONDUCTING UNIONS WHENEVER CONNECTING DISSIMILAR METALS IN THE PIPING SYSTEMS.
6.

FURNISH AND INSTALL STOP VALVES, ESCUTCHEON PLATES, UNIONS, VENTS, ETC. AS REQUIRED FOR THE PROPER EXECUTION OF THE WORK. ALL PIPING EXPOSED TO VIEW WITHIN THE COMPLETED SPACE SHALL BE POLISHED CHROME PLATED.
7.

FURNISH AND INSTALL CONDENSATE DRAIN PIPING TO A POINT WITHIN 5 FT. OF A/C UNITS & ON TO AN APPROVED DISCHARGE POINT.
8.

ALL NEW AUTOMATIC ELECTRIC STORAGE WATER HEATERS SHALL HAVE A STANDBY LOSS NOT EXCEEDING 4.0 WATTS PER SQUARE FOOT OF TANK SURFACE AREA WHEN TESTED IN ACCORDANCE WITH STANDARD RS-6. TANKS SHALL BEAR ASHRAE 90-75 LABELS AND BE RATED AT 240 VOLTS WITH TWO 4500 WATT EMERSON TYPE ELECTRIC RESISTANCE HEATING ELEMENTS WIRED FOR NON-SIMULTANEOUS OPERATION. WATER HEATER SHALL BE 80 GALLON CAPACITY.
9.

CONNECT ALL PLUMBING EQUIPMENT FURNISHED BY THE OWNER AND THIS SECTION REQUIRING WATER, DRAINAGE, WASTE AND/OR VENTING.
10.

ALL CONCEALED WORK SHALL REMAIN UNCOVERED OR UNINSULATED UNTIL REQUIRED TESTS HAVE BEEN COMPLETED AND APPROVED. IF SO REQUIRED BY THE PROJECT SCHEDULE ARRANGE FOR PRIOR TESTS OF SPECIFIC PORTIONS OF THE WORK INVOLVED.
11.

ALL TESTS SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODE REQUIREMENTS. TESTS SHALL INDICATE ADEQUACY, ACCEPTABLE QUIETNESS AND CONTINUOUS OPERATION OF ALL EQUIPMENT WITHOUT OVERLOADING INCLUDING CORRECT VOLUMES, PRESSURES, AND SATISFACTORY TEMPERATURES AND VELOCITIES. DEFECTS DISCLOSED BY SUCH TESTS SHALL BE MADE GOOD AND THE DEFECTIVE PARTS MADE GOOD AT NO ADDITIONAL COST TO THE OWNER. TESTS SHALL BE REPEATED AFTER CORRECTIONS HAVE BEEN MADE. TEST PRESSURES SHALL BE MAINTAINED FOR A CONTINUOUS TWELVE HOUR PERIOD.
12.

UPON COMPLETION OF THE WORK ALL FIXTURES SHALL BE THOROUGHLY CLEANED WITH SOAP AND WATER, ADJUSTED AND LEFT READY FOR USE. THIS SECTION SHALL BE RESPONSIBLE FOR PROTECTION OF ALL FIXTURES TO INSURE THAT ALL ARE IN GOOD CONDITION ON JOB COMPLETION. REPAIR AND TOUCH UP, TO THE OWNER'S SATISFACTION, FACTORY FINISHED SURFACES, SPECIAL COATINGS, ACOUSTICAL TREATMENTS, ETC. THAT MAY BE DAMAGED DURING THE PROGRESS OF THE WORK.
13.

CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS IFOR A PERIOD OF NOT LESS THAN (1) YEAR FROM DATE OF ACCEPTANCE.

CONNECTOR SCHEDULE					
UPLIFT MARK NUMBER OF CONN. (OR OTHER INFO)					
MARK	MANUF	PRODUCT	UPLIFT	GRAVITY	FASTNERS
					TO STRUCTURE / TOP PLATE TO TRUSS OR FRAMING
A	SIMPSON	HI10A	1140	--	(9) 10d CODE NAILS (9) 10d CODE NAILS
B	SIMPSON	HI	585	--	(4) 8d CODE NAILS (6) 8d CODE NAILS
C	SIMPSON	CS18	1370	--	(16)10d 9" L TO STUD (16)10d 9" L TO STUD
D	SIMPSON	HGAM10	1370	--	(4) SDS1/4x2 3/4" (4) SDS1/4x1 1/2"

1.

WHERE MORE THAN ONE STRAP IS USED, MULTIPLY THE UPLIFT CAPACITY BY THE NUMBER OF STRAPS USED.
2.

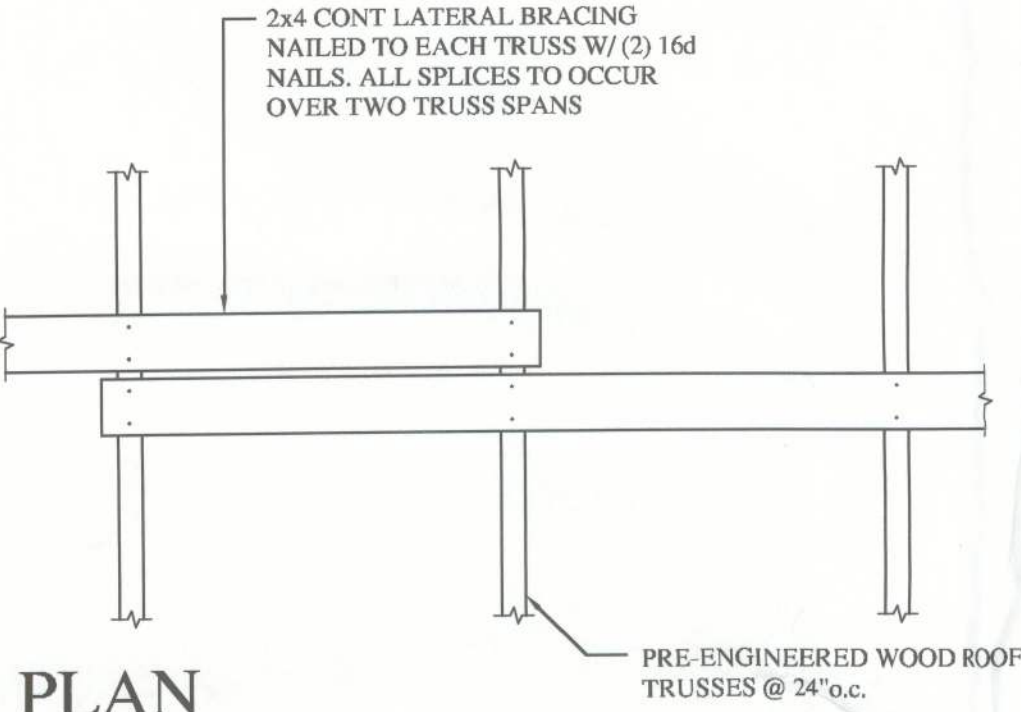
THE UPLIFT FOR EACH TRUSS / GIRDER IS LESS THAN OR EQUAL TO THE UPLIFT CAPACITY FOR THE SPECIFIED ANCHOR.
3.

PRIMARY ROOF TRUSS TO WOOD PLATE CONNECTIONS TO BE MARK 'A', UNLESS OTHERWISE NOTED. (THIS INDICATES THAT ANY UNMARKED TRUSS SHALL HAVE AN UPLIFT RANGE OF 1 TO 1140 LBS).
4.

PORCH ROOF TRUSS TO WOOD CONNECTIONS TO BE MARK 'B'. UNLESS OTHERWISE NOTED. EACH END OF PORCH TRUSSES AND OUTLOOKERS ( THIS INDICATES THAT ANY UNMARKED TRUSS SHALL HAVE AN UPLIFT RANGE OF 1 TO 585 LBS).

COLUMN SCHEDULE						
MARK	SIZE	REINFORCING		BASE PLATE		REMARKS
		VERT.	#2 TIES	SIZE	ANCHOR BOLTS	
C1	6" x 6" PT WOOD					

BEAM SCHEDULE						
MARK	SIZE	T.O.B. ELEV	REINFORCING			REMARKS
			BOTT.	TOP	MID	
WB1	(2) 2x8	-0'-2"				
WB2	(3) 2x8	-0'-2"				
LB1	(3) 2x12	+7'-9"				



PLAN  
LATERAL BRACING DETAIL  
SCALE: 1" = 1'-0"

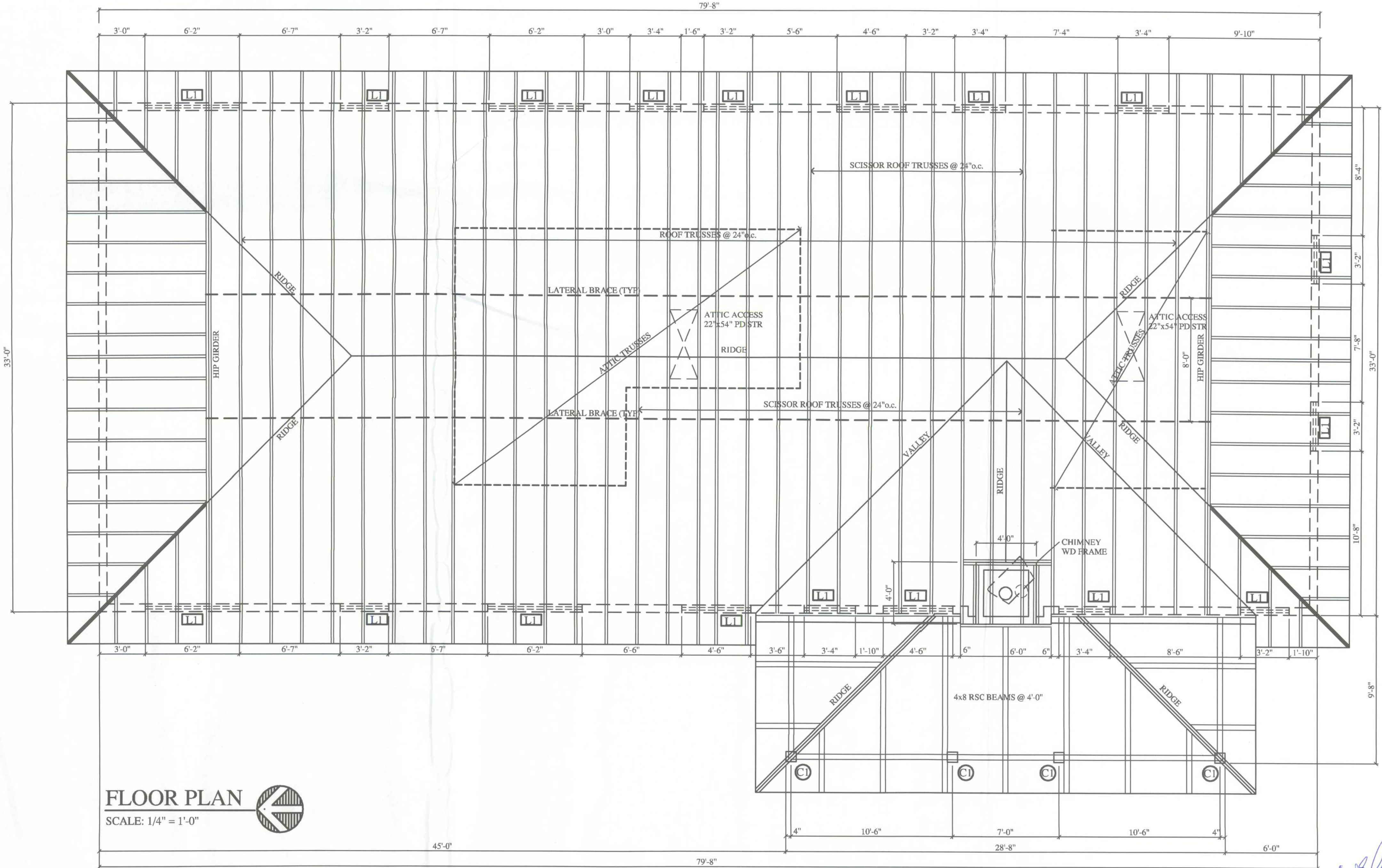
1.

BRACING SHOWN DOES NOT INCLUDE TEMPORARY BRACING REQUIRED FOR THE ERECTION AND INSTALLATION OF TRUSSES PRIOR TO THE INSTALLATION OF PERMANENT CROSS BRACING AND WEB LATERAL BRACING REQUIREMENTS. TEMPORARY BRACING IS THE RESPONSIBILITY OF THE TRUSS INSTALLER AND SHOULD REMAIN IN PLACE AS LONG AS NECESSARY FOR THE SAFE AND INSTALLATION OF THE ROOF OR FLOOR. (REF: HIB-91 SUMMARY SHEET).
2.

PERMANENT WEB LATERAL BRACING IS TO BE INSTALLED AS SHOWN ON THE INDIVIDUAL TRUSS DRAWINGS. (WEB LATERAL BRACING IS NOT SHOWN ON THIS SHEET)PERMANENT WEB LATERAL BRACING IS RESTAINED TO PREVENT LATERAL MOVEMENT BY SOLID ANCHORAGE TO END WALLS, OR BY PERMANENT DIAGONAL BRACING (NOT SHOWN) IN THE PLANE OF THE WEB MEMBER AT INTERVALS NOT TO EXCEED TWENTY (20) FEET ALONG CONTINUOUS WEB BRACE. (REF: HIB-91, SEC. 1323.1)
3.

ALL TOP CHORDS ARE ASSEMBLED TO SHEATHED, AND ALL BOTTOM CHORDS BRACED BY A RIGID CEILING SYSTEM. REFER TO THE INDIVIDUAL TRUSS DRAWINGS FOR THE BRACING REQUIREMENTS OF NON-SHEATHED TOP CHORDS AND UNSUPPORTED BOTTOM CHORDS.
4.

REFER TO HIB-91 COMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLATION AND BRACING METAL PLATE CONNECTED WOOD TRUSSES, APPENDIX C, FOR RECOMMENDED SEQUENCE OF INSTALLING BRACING COMPONENTS.



FLOOR PLAN  
SCALE: 1/4" = 1'-0"