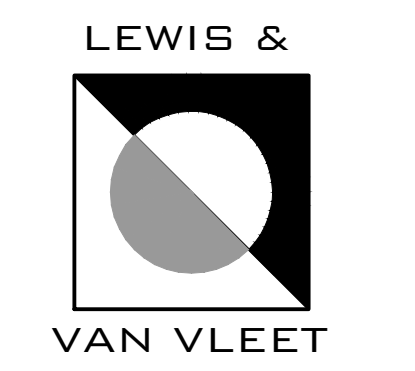
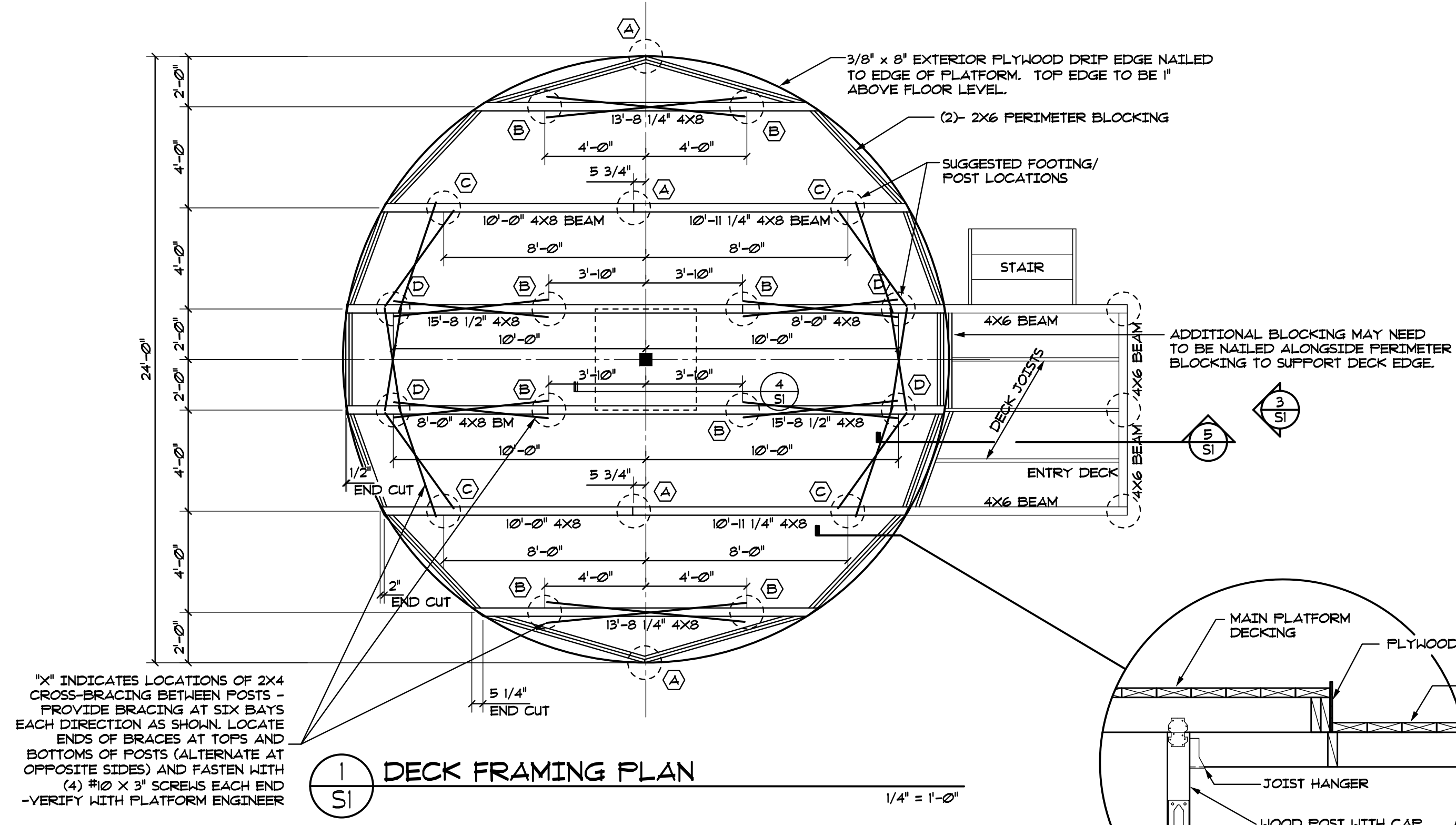


REVISIONS	



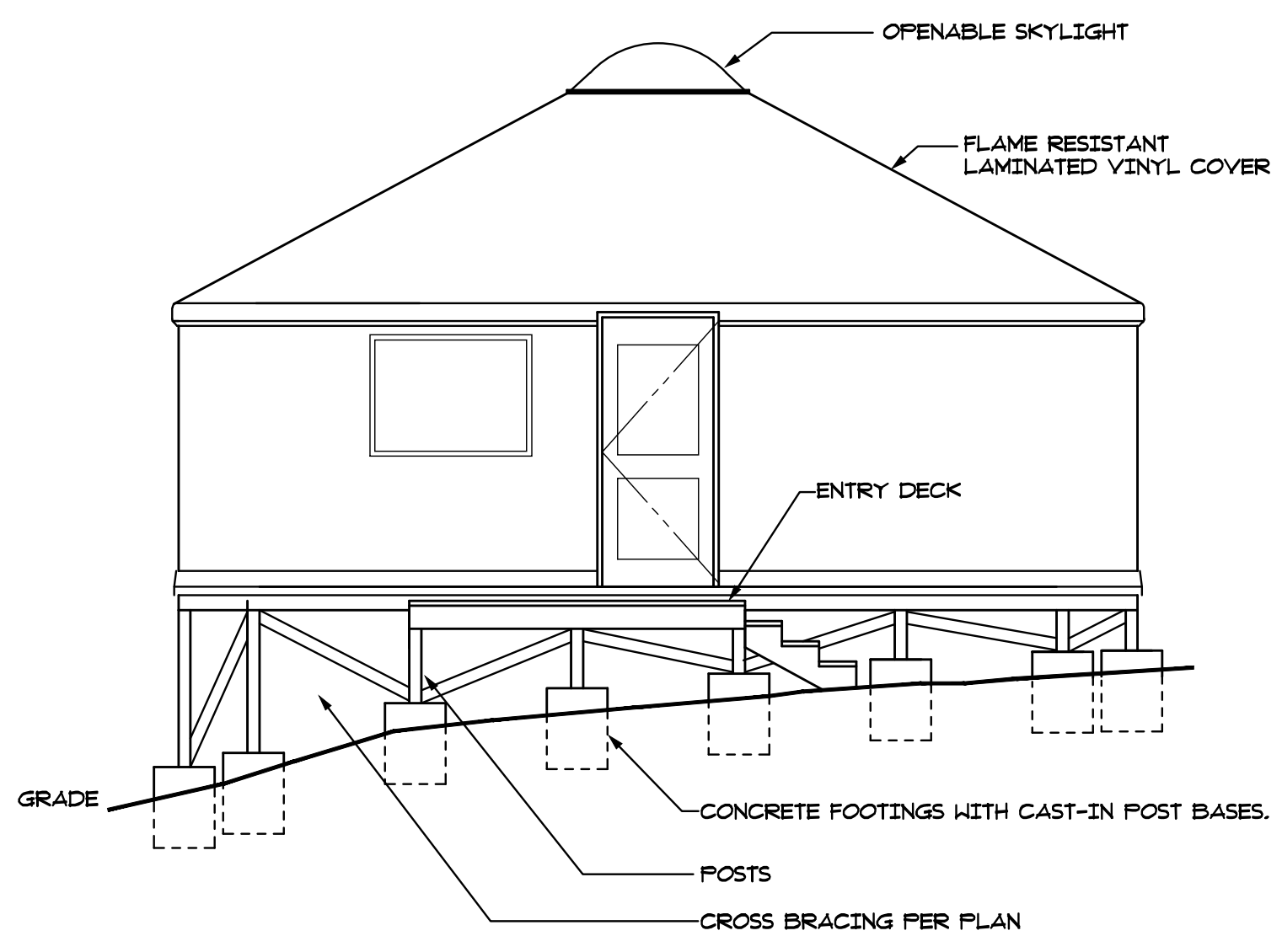
18660 sw boones ferry road
 tualatin, oregon 97062
 (503) 885.8605 phone
 (503) 885.1206 fax



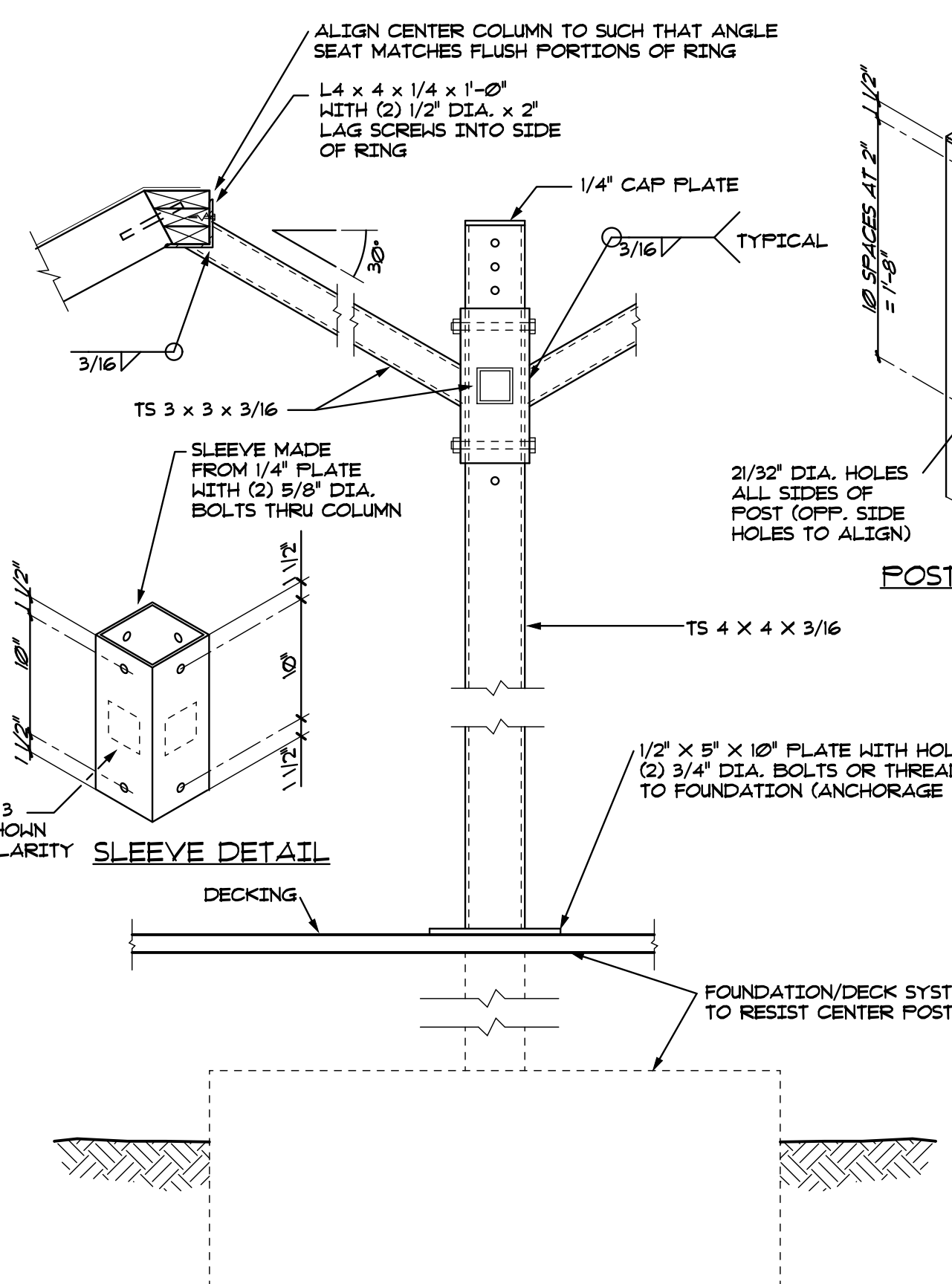
- NOTES:
- FOUNDATION SYSTEM SHOWN IS EXAMPLE OF SUGGESTED SYSTEM, BASED ON 1500 PSF ALLOWABLE SOIL BEARING PRESSURE, 12" MINIMUM FROST DEPTH, 10 PSF ROOF SNOW LOAD, AND WIND UPLIFT BASED ON 110 MPH EXPOSURE C DESIGN CAPACITY OF PROTOTYPE YURT. FOOTING SIZES NOTED ARE CALCULATED FOR WORST OF EITHER GRAVITY LOADS ON SOIL OR WIND UPLIFT PLUS BRACING UPLIFT. FOOTING SIZE AND REQUIRED DEPTH BELOW GRADE SHOULD BE DETERMINED FOR EACH INDIVIDUAL SITE BY PLATFORM ENGINEER OF RECORD AND APPROVED BY LOCAL BUILDING AUTHORITY. A SITE-SPECIFIC DESIGN OF THE FOUNDATION SYSTEM BY A REGISTERED ENGINEER WILL ALLOW SMALLER FOOTINGS IF DESIGN WIND SPEED OR EXPOSURE ARE LESS THAN THE PROTOTYPE PARAMETERS. LEWIS & VAN VLEET INC. IS NOT LIABLE FOR DAMAGES ARISING FROM USE OF THIS EXAMPLE (PROTOTYPE) DESIGN.
 - DECK CONSTRUCTION SHOULD REFLECT CONDITIONS OF EACH INDIVIDUAL SITE.
 - 2x6 T&G DECKING TO BE LAID PERPENDICULAR TO 4x BEAMS AND TRIMMED TO THE SAME OUTSIDE DIAMETER AS THAT OF THE YURT. 1 1/8" PLYWOOD MAY ALSO BE USED IN RECOMMENDED LAYOUT PATTERN. NAIL 2x6 T&G DECKING WITH (2)- 16d NAILS TO EACH SUPPORT. NAIL 1 1/8" PLYWOOD WITH 10d AT 6" O.C. TO ALL SUPPORTS. FRAMING FOR THIS EXAMPLE DECK WAS SIZED FOR RESIDENTIAL LIVE LOAD ONLY (40 POUNDS PER SQUARE FOOT). LOCAL ENGINEER TO REVIEW AND VERIFY DECK DESIGN AND LOADING.
 - FOR POSTS 6' TALL AND TALLER FROM TOP OF FOOTING TO BOTTOM OF FLOOR BEAM, PROVIDE 2 x 4 CROSS-BRACING AS SHOWN AND NOTED AT PLAN.
 - VERIFY MINIMUM CRAWLSPACE AND FROST DEPTH REQUIREMENTS WITH ENGINEER OF RECORD AND/OR BUILDING OFFICIAL.
 - FAILURE TO PROPERLY DESIGN AND CONSTRUCT PLATFORM FOR SITE-SPECIFIC CONDITIONS MAY RESULT IN SIGNIFICANT EXPENSE FOR REBUILDING IF PERMITS ARE LATER REQUIRED, OR RISK OF FAILURE UNDER DESIGN LOADING CONDITIONS, UNLESS SPECIFICALLY RETAINED TO ENGINEER SITE-SPECIFIC DESIGN AND NET-STAMP DOCUMENTS. LEWIS & VAN VLEET INC. IS NOT LIABLE FOR COSTS OR DAMAGES ARISING FROM USE OF THESE DOCUMENTS.

FOOTING / HOLDOWN SCHEDULE		
MARK	SIZE	REINFORCEMENT
(A)	12" SQUARE OR 12" ROUND X 12" MIN. DEPTH BELOW GRADE	EMBEDDED 4" POST BASE
(B)	15" SQUARE OR 11" ROUND X 16" MIN. DEPTH BELOW GRADE	EMBEDDED 4" POST BASE
(C)	18" SQUARE OR 21" ROUND X 16" MIN. DEPTH BELOW GRADE	EMBEDDED 4" POST BASE
(D)	14" SQUARE OR 21" ROUND X 12" MINIMUM DEPTH BELOW GRADE	EMBEDDED 4" POST BASE

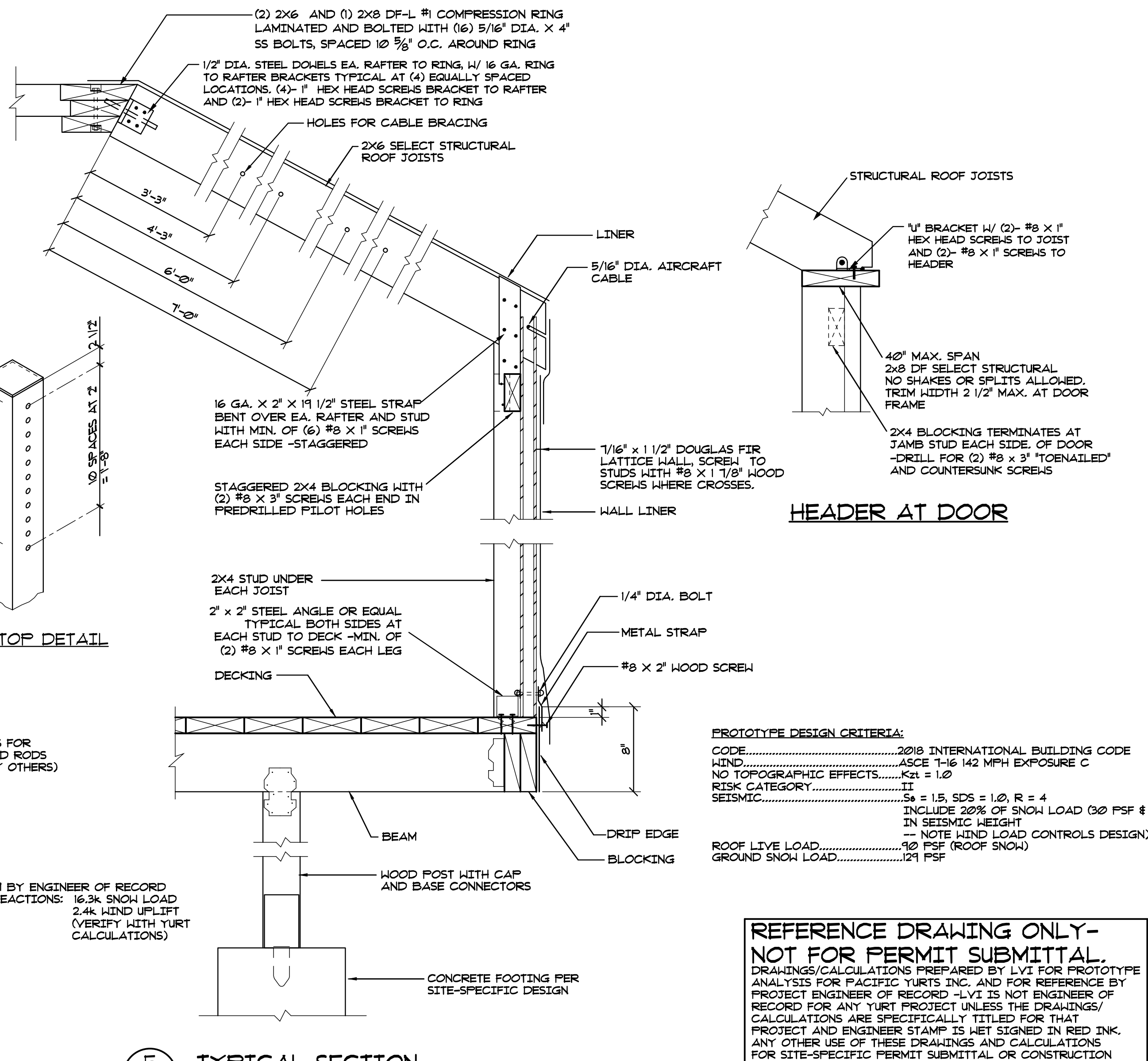
NOTE: SIMPSON EPB44A EMBEDDED POST BASE SUGGESTED IN TOP OF CAST-IN-PLACE CONCRETE FOOTING.



3 TYPICAL ELEVATION
 1/4" = 1'-0"



4 COLUMN DETAIL
 1" = 1'-0"



5 TYPICAL SECTION
 1/2" = 1'-0"

REFERENCE DRAWING ONLY - NOT FOR PERMIT SUBMITTAL.
 DRAWINGS/CALCULATIONS PREPARED BY LVI FOR PROTOTYPE ANALYSIS FOR PACIFIC YURTS INC. AND FOR REFERENCE BY PROJECT ENGINEER OF RECORD -LVI IS NOT ENGINEER OF RECORD FOR ANY YURT PROJECT UNLESS THE DRAWINGS/ CALCULATIONS ARE SPECIFICALLY TITLED FOR THAT PROJECT AND ENGINEER STAMP IS NET SIGNED IN RED INK. ANY OTHER USE OF THESE DRAWINGS AND CALCULATIONS FOR SITE-SPECIFIC PERMIT SUBMITTAL OR CONSTRUCTION IS DONE AT THE USER'S OWN RISK (ANALYSIS IS NOT SITE-SPECIFIC). LVI HAS NOT REVIEWED THE SITE-SPECIFIC CONDITIONS, HAS NOT BEEN COMPENSATED FOR USE OF THE DRAWINGS AND DISCLAIMS ALL LIABILITY FOR ANY SUCH USE.

24" DIA. YURT WITH CENTER COLUMN
-ASCE 1-16
 PACIFIC YURTS
 COTTAGE GROVE, OREGON
STRUCTURAL REFERENCE DRAWING
 DATE: 5/14/2020
 PROJECT NO:
 SHEET NO
 S1
 OF