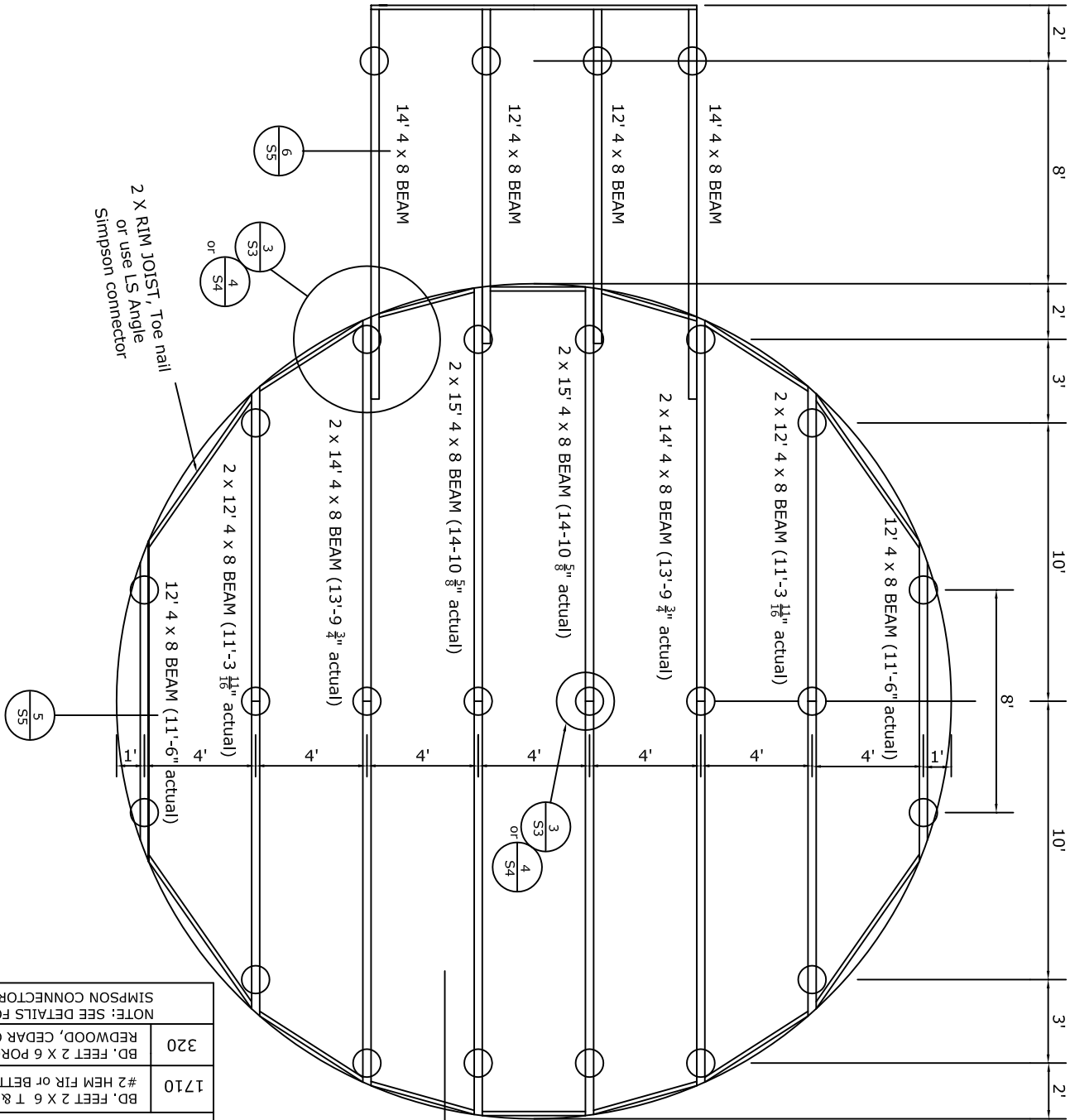


30' DIA SIMPLE YURT DESIGN

FOUNDATION, BEAM & FLOOR LAYOUT
NOTE: SEE DETAILS SHEET S1-S5 FOR MORE INFO AND
OPTIONAL CONSTRUCTION TECHNIQUES

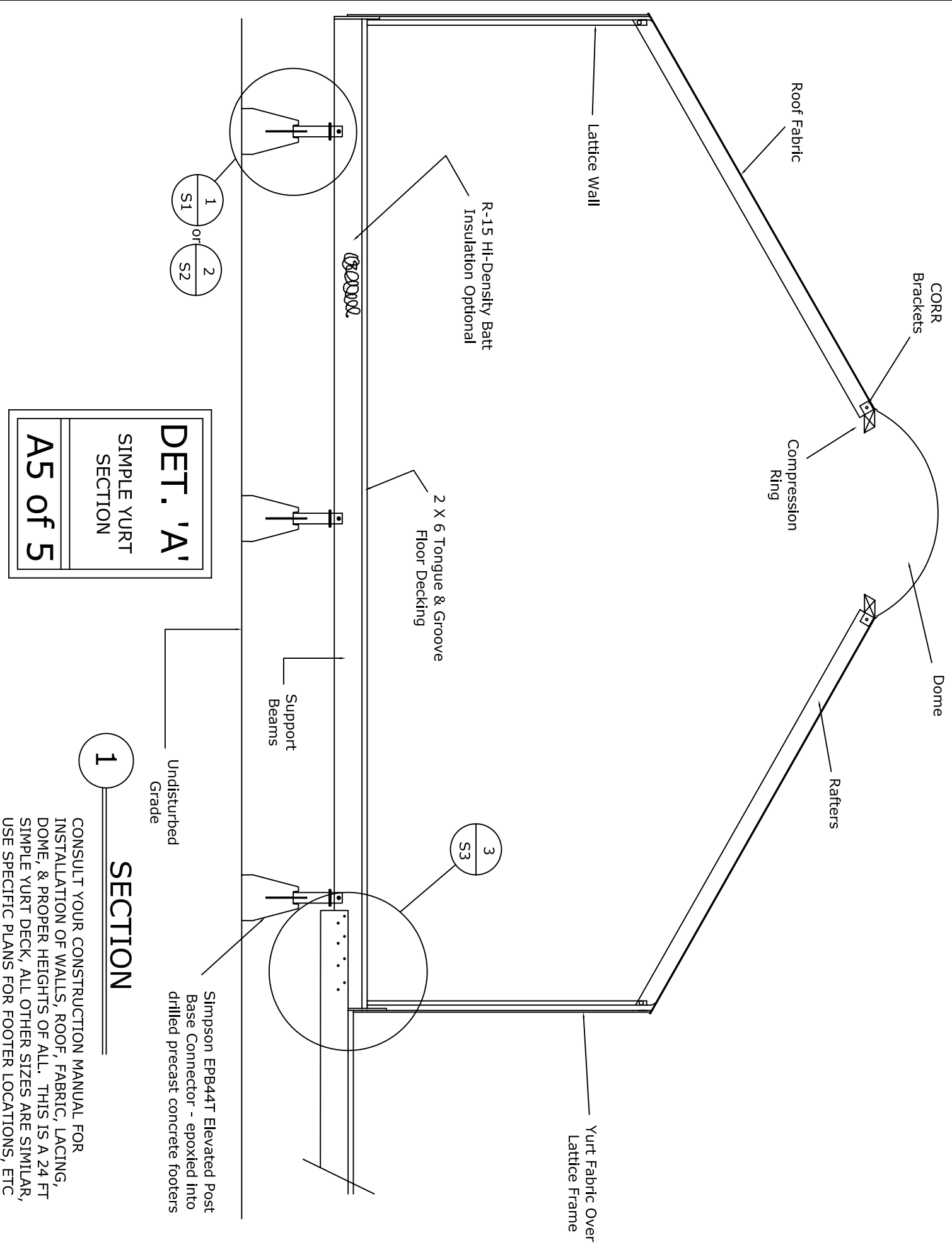
SY 30

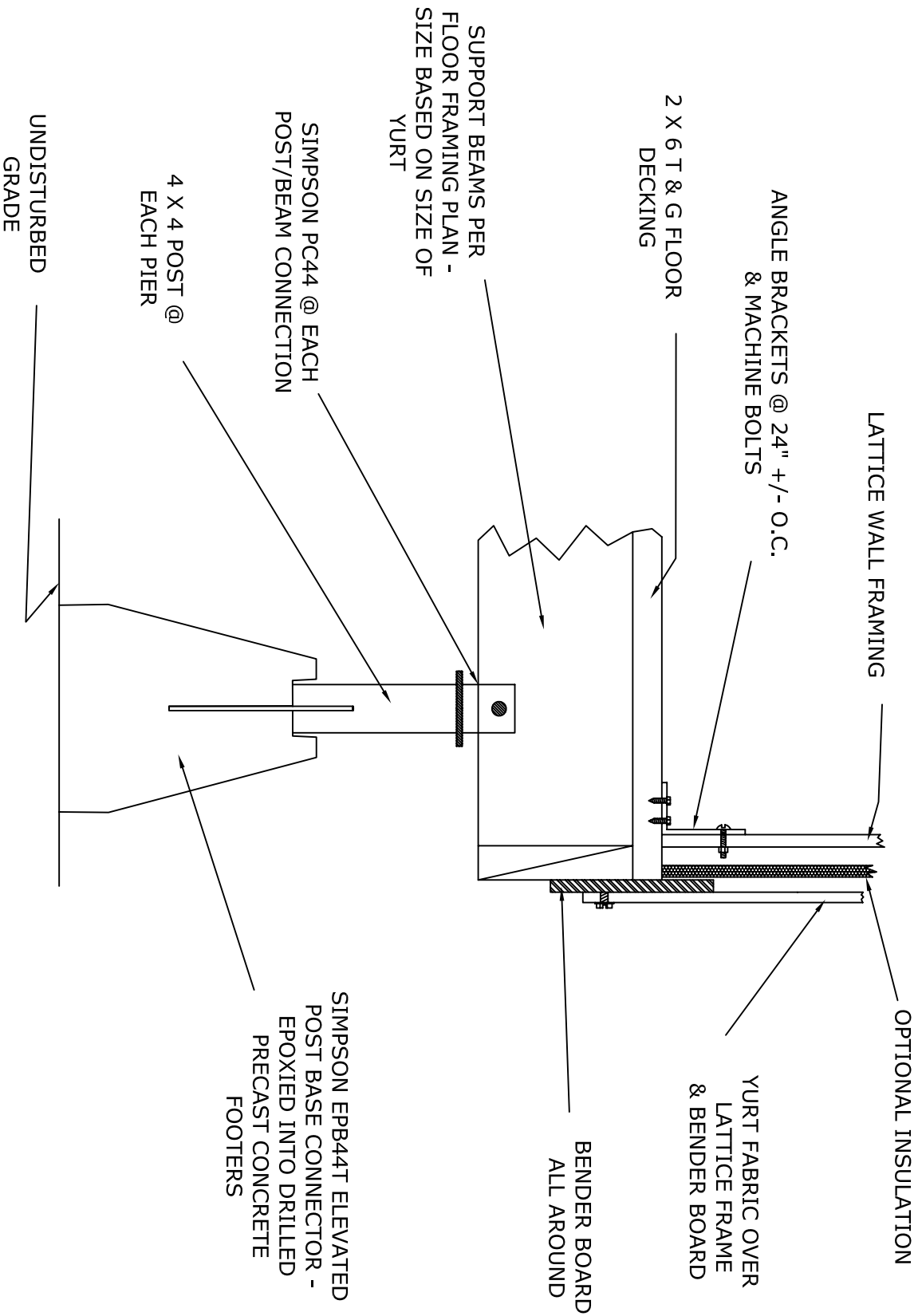
A4
OR
5



Beams should be installed at full length and then "scribed" back to 30' diameter

MATERIAL LIST	
FOUNDATION	
26	PRECAST CONCRETE FOOTERS or "BIG FOOT" FORMS
	FLOOR SUPPORT
8	4 X 8 12'-0" LONG BEAMS
6	4 X 8 14'-0" LONG BEAMS
4	4 X 8 15'-0" LONG BEAMS
7	2 X 8 12'-0" LONG RIM JOISTS
4	2 X 8 8'-0" LONG BLOCKING (OPTIONAL)
NOTE: ALL BEAMS, RIM JOISTS AND BLOCKING TO BE #2 HEM FIR OR BETTER	
FLOOR & PORCH	
1710	BD, FEET 2 X 6 T & G FLOORING
320	BD, FEET 2 X 6 PORCH MATERIAL REDWOOD, CEDAR OR EQUAL
NOTE: SEE DETAILS FOR VARIOUS SIMPSON CONNECTORS NEEDED.	





FDN DETAIL

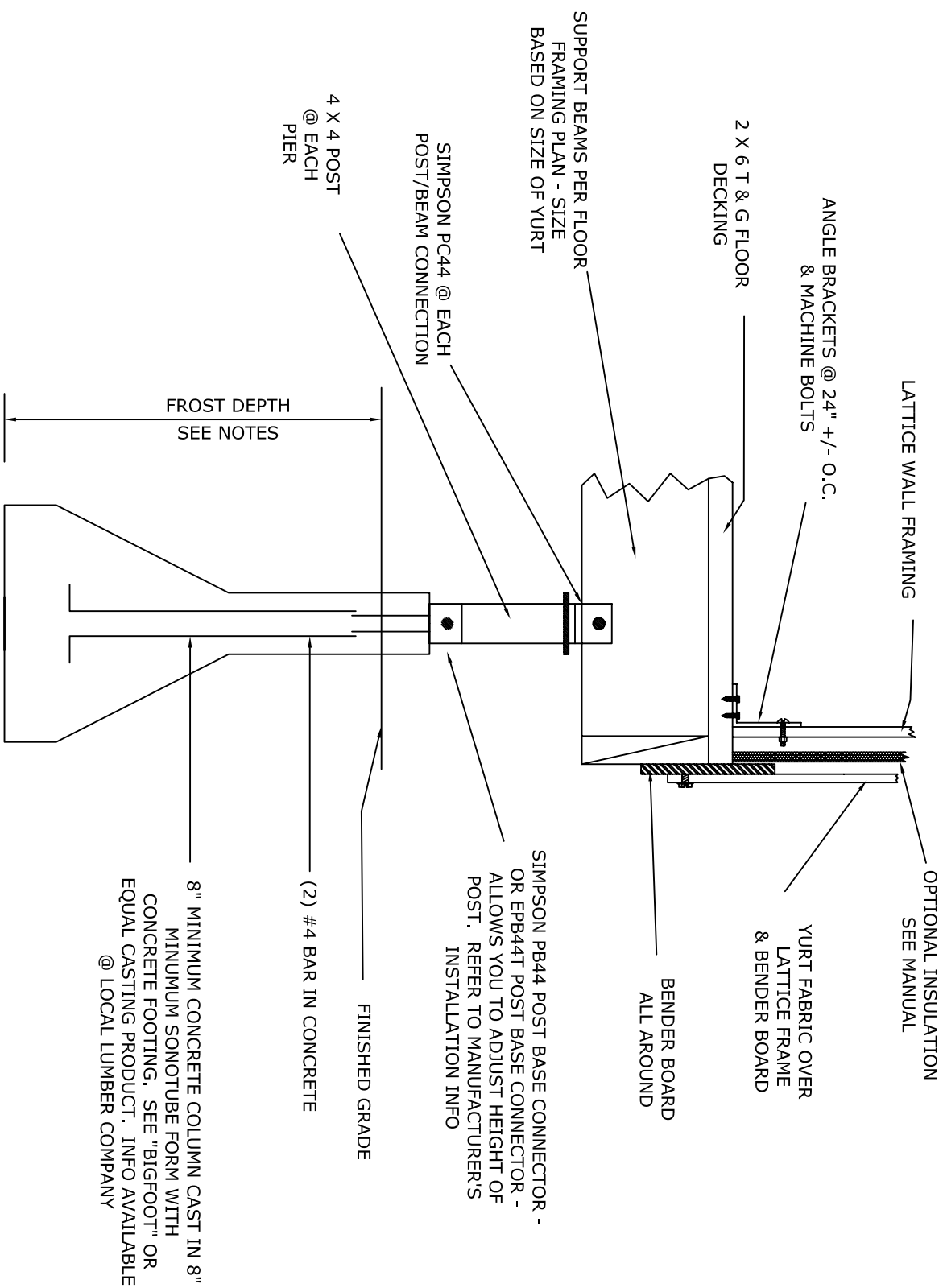
1

DET. #1

SIMPLE YURT
FOUNDATION

S1 of 5

THIS DETAIL IS FOR A "SIMPLE" YURT DECK THIS DEPICTS A FOUNDATION STRUCTURE THAT CAN BE DISASSEMBLED AND REASSEMBLED. BLOCKING & POST CONNECTIONS BETWEEN BEAMS WILL CREATE A STRONGER MORE RIGID FLOOR SYSTEM.



FDN DETAIL

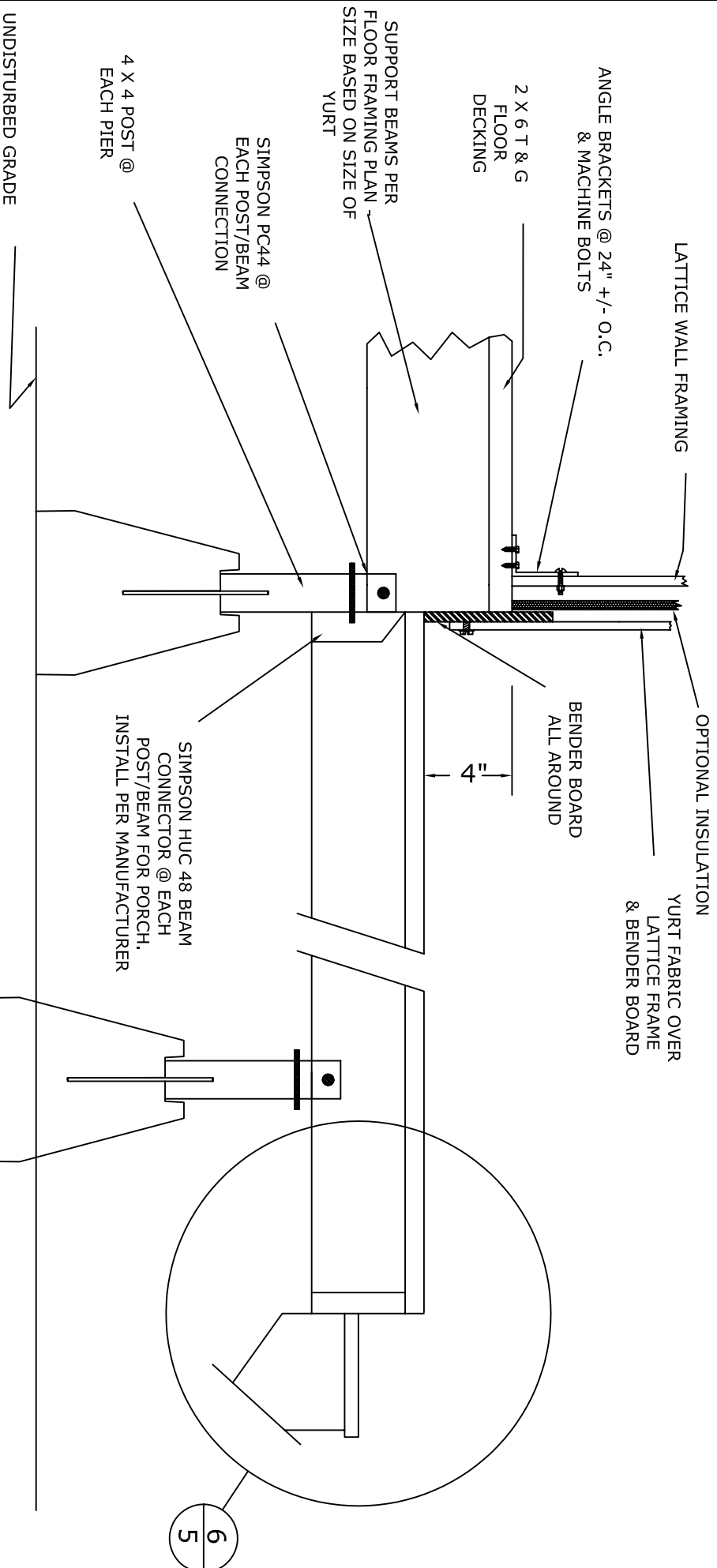
2

DET. #2

SIMPLE YURT
FOUNDATION

S2 of 5

NOTES: VERIFY WITH YOUR LOCAL BUILDING DEPT. FOR EXACT FROST DEPTH. THIS DETAIL DEPICTS A PERMANENT FOUNDATION, IT WILL CREATE A MORE SOLID SUBSTRUCTURE, PROTECTING AGAINST GROUND MOVEMENT, DUE TO FREEZE/THAW SITUATIONS. BLOCKING @ POST CONNECTIONS BETWEEN BEAMS WILL CREATE A MORE RIGID FLOOR SYSTEM.

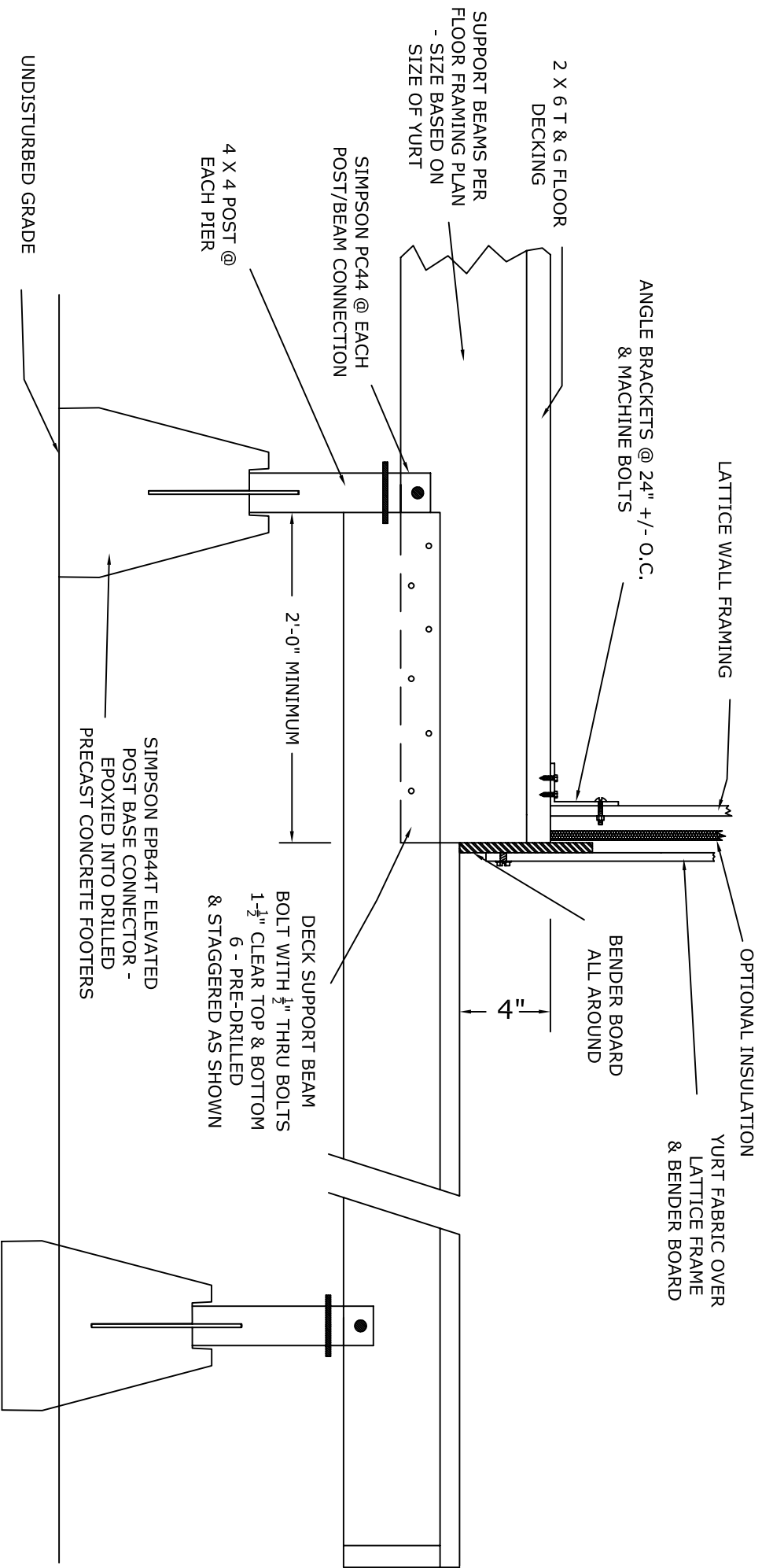


3

PORCH DETAIL

NOTE: THIS DETAIL CANNOT BE USED WITH
CANTILEVERED BEAM LAYOUTS.
INSTALL ALL SIMPSON CONNECTORS PER
MANUFACTURER INSTRUCTIONS.

DET. #3
SIMPLE YURT FOUNDATION
S3 of 5



DET.#4

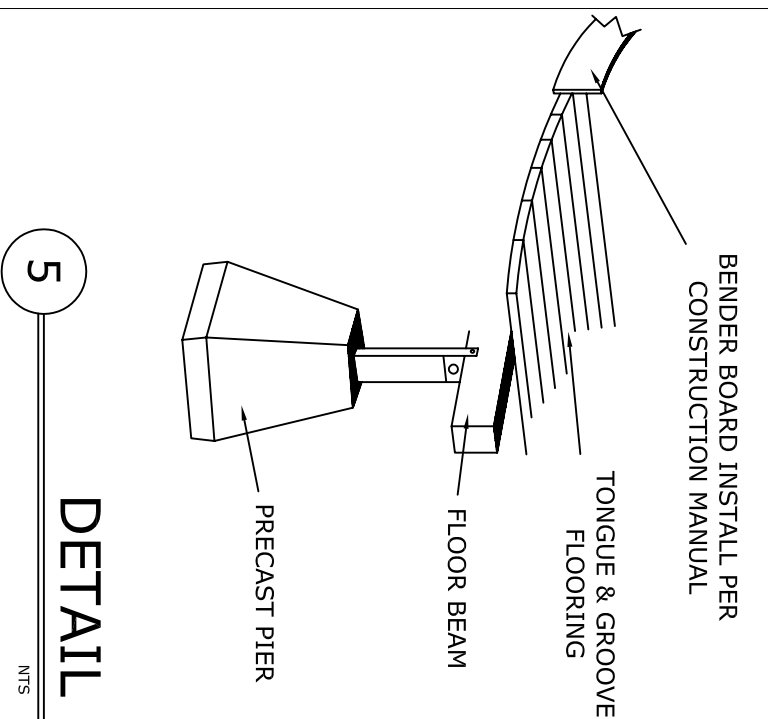
SIMPLE YURT
FOUNDATION

S4 of 5

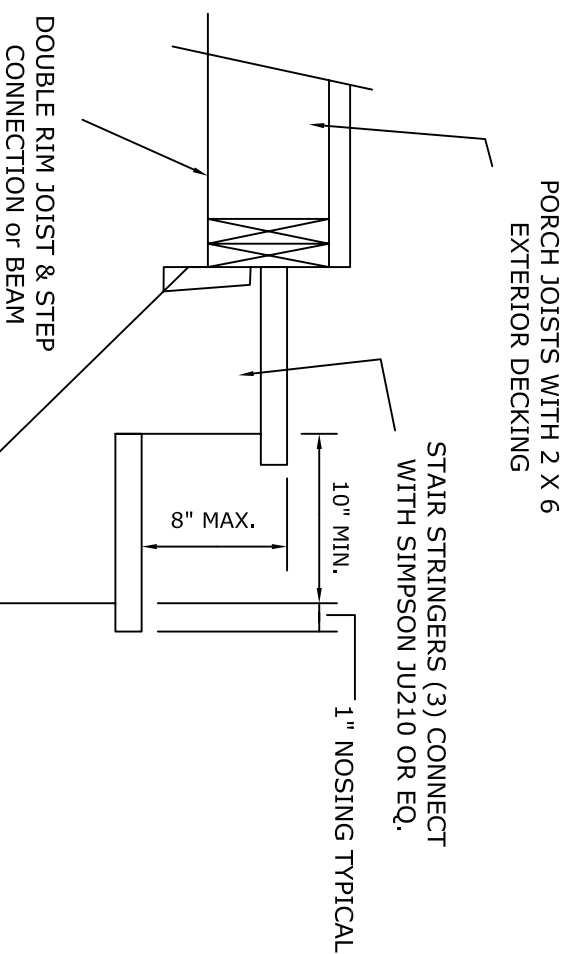
4

PORCH DETAIL

NOTE: THIS DETAIL CANNOT BE USED WITH ANY
BEAMS SMALLER THAN A 4 X 8



DETAIL



STAIR DETAIL

Note: The bender board is used to surround and retain the lattice of the yurt. It should attach to the perimeter of the raised "footprint" portion of the deck so that it clears the surface the lattice wall attaches to by 2-3" (do not exceed 3- $\frac{1}{2}$ "). Leave a 48" gap in your bender board for each door in your yurt. (54" gap for French doors).

The bender board can be attached *outside* of the finished size of the footprint. For example, a 20' yurt footprint equals 20' diameter *plus* the thickness of the bender board.

Choose an appropriate material for your bender board: $\frac{1}{2}$ " CDX plywood, or two layers or $\frac{3}{8}$ " mahogany plywood. In damp areas use pressure treated plywood, redwood, Trex 1x fascia (or comparable) or equal.

DET. # 5
& 6
SIMPLE YURT FOUNDATION
S5 of 5