30' YURT BUILDING SECTION A-A | SHEET #1

DOME-60" DIA

COMPRESSION RING

ROOF FRAMING
2 x 4 RAFTERS TYP
(2 x 6 OPTIONAL)

YURT FABRIC
OVER LATTICE FRAME

LATTICE WALL CONSTRUCTION

2 x 4 STUD SHOWN (OPTIONAL)

FINISH FLOORING OVER SUBFLR
OVER (OPTIONAL 2" RIGID INSULATION)
& 2 x 4 FLOOR JOISTS

2 x 6 TREX DECKING or EQUAL

DECK JOISTS

DECK SUPPORT BEAMS

SUPPORT POST

CONC. FOOTING & COL
SEE DETAIL 1/S3
ALSO SEE SHEETS #7 & #8
FOR ALTERNATE FOUNDATION
AND DETAILS

120°

NOTE:
CONSULT YOUR CONSTRUCTION MANUAL FOR
INSTALLATION OF WALLS, ROOF, FABRIC,
LACING, DOME , & PROPER HEIGHTS OF ALL.

1/S4

1/S5

2/S5

1/S3

30' YURT FOUNDATION/FLOOR PLAN | SHEET #2

36'-0"

2'-0" 8'-0" 8'-0" 8'-0" 8'-0" 2'-0"

2'-0"

16'-0"

36'-0"

16'-0"

2'-0"

2 X 6 DECK JOISTS @ 16" o.c.
OR
2 x 8 DECK JOISTS @ 24" o.c.

8 x 12 BEAMS @ 8'-0" o.c.
DOUG FIR, LARCH #2, OR BETTER
PRESSURE TREATED.

NOTE: JOIST FOR RAISED YURT FLOOR
TO BE MIN. 2 x 4'S @ 16" o.c.

NOTE:
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MANUAL FOR INSTALLATION
OF WALLS, ROOF, FABRIC, LACING,
DOME, & PROPER HEIGHTS OF ALL.

° CONSULT YOUR LOCAL
BUILDING DEPT FOR EXACT
FROST DEPTH, SIZES OF
FOOTINGS AND COLUMNS.

1
S3

AA
S1

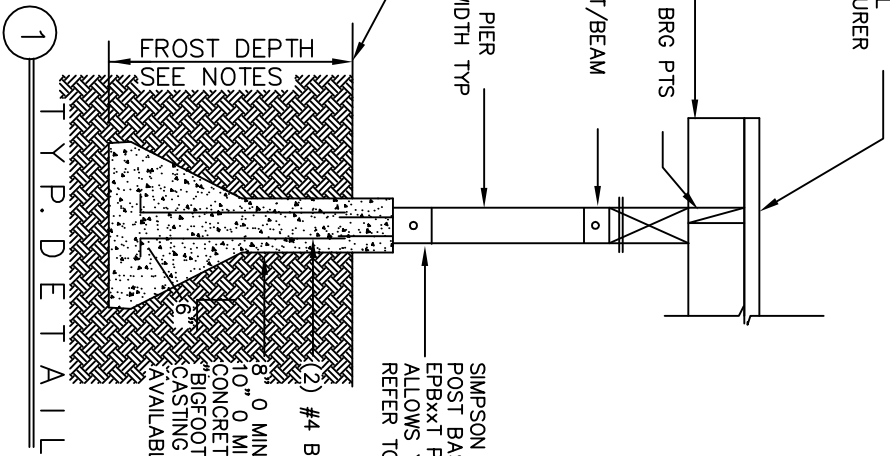# TYPICAL FOUNDATION DETAIL | SHEET #3

TREX DECKING OR EQUAL,
SECURE PER MANUFACTURER
SPECIFICATIONS

2 × DECK JOISTS
2 × SOLID BLOCKING @ BRG PTS
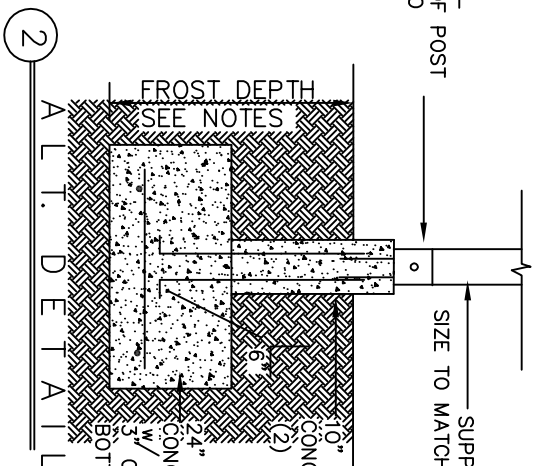
SIMPSON PC @ EA POST/BEAM
CONNECTION

SUPPORT POST @ EA. PIER
SIZE TO MATCH BEAM WIDTH TYP

FINISHED GRADE

1 — TYP. DETAIL

FROST DEPTH
SEE NOTES

(2) #4 BAR IN CONC

8" Ø MIN. CONC COL CAST IN
10" Ø MIN. SONOTUBE FORM W/

"CONCRETE FOOTING SEE 28" DIA
"BIGFOOT" or EQUAL
CASTING PRODUCT INFO
AVAILABLE @ LOCAL LUMBER CO.

SIMPSON PB
POST BASE CONNECTOR – or –
EPBxxT POST BASE CONNECTOR –
ALLOWS YOU TO AJUST HEIGHT OF POST
REFER TO MFR INSTALLATION INFO

2 — ALT DETAIL
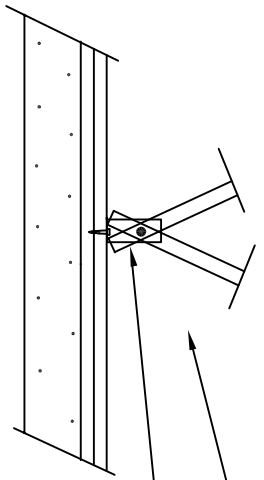
FROST DEPTH
SEE NOTES

SUPPORT POST TYP
SIZE TO MATCH BEAM WIDTH TYP

10" Ø SONOTUBE
CONCRETE FILLED COLUMN
(2) #4 BAR IN CONC

24" × 24" × 12" DEEP
CONC. FOOTINGS
w/ (2) #4 REBAR EA. WAY
3" CLR FROM
BOTTOM & SIDES

NOTE:

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   LACING, DOME , & PROPER HEIGHTS OF ALL.

° CONSULT YOUR LOCAL BUILDING DEPT
   FOR EXACT FROST DEPTH,
   SIZES OF FOOTINGS AND COLUMNS.

° OPTIONAL ALTERNATE FOUNDATION PLANS &
   DETAILS – SEE SHEETS #6 & #7 FOR INFO

YURT FLOOR & WALL SYSTEM | SHEET #4
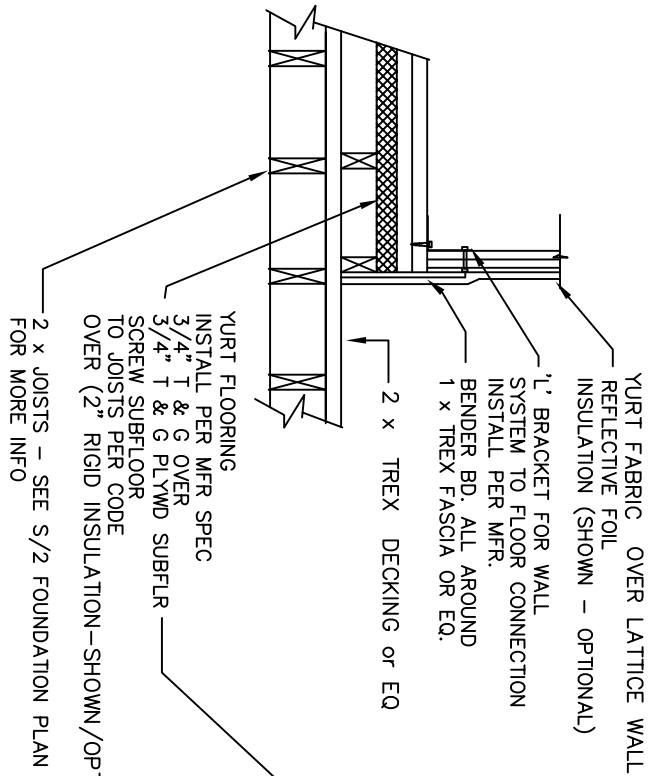
③ DETAIL
LATTICE ATTACHMENT

LATTICE WALLS W/ FABRIC OVER

ANGLE BRACKETS (PROVIDED) @ EVERY OTHER JOINT, APPROX 24" o.c. +/- AND AT EA. SIDE OF DOORS ATTACHED W/ HARDWARE PER SPECS

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① TYP. DETAIL
FLOOR/DECK CONNECTION
FOR MORE INFO

2 x JOISTS – SEE S/2 FOUNDATION PLAN

YURT FLOORING INSTALL PER MFR SPEC
3/4" T & G OVER
3/4" T & G PLYWD SUBFLOOR
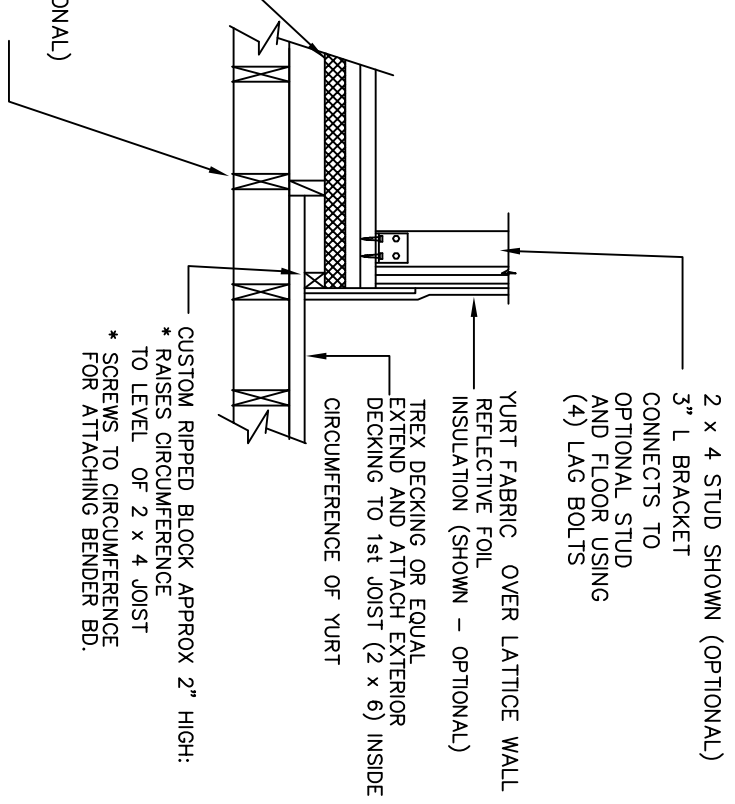SCREW SUBFLOOR TO JOISTS PER CODE
OVER (2" RIGID INSULATION–SHOWN/OPTIONAL)

'L' BRACKET FOR WALL SYSTEM TO FLOOR CONNECTION INSTALL PER MFR.

BENDER BD. ALL AROUND
1 x TREX FASCIA OR EQ.

YURT FABRIC OVER LATTICE WALL
REFLECTIVE FOIL
INSULATION (SHOWN – OPTIONAL)

2 x TREX DECKING or EQ

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② ALT. DETAIL
FLOOR/DECK CONNECTION
ALSO REFER TO DETAIL 1/S6 FOR MORE INFO

2 x 4 STUD SHOWN (OPTIONAL)

3" L BRACKET CONNECTS TO OPTIONAL STUD AND FLOOR USING (4) LAG BOLTS

YURT FABRIC OVER LATTICE WALL
REFLECTIVE FOIL
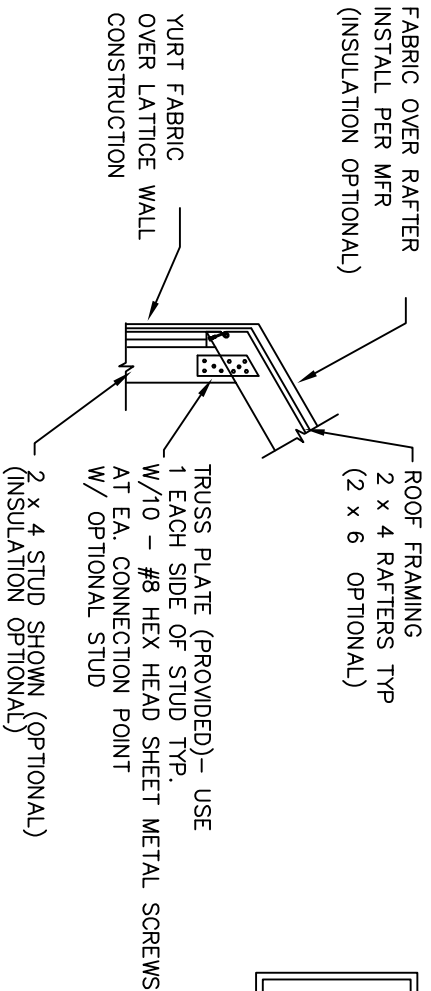INSULATION (SHOWN – OPTIONAL)

TREX DECKING OR EQUAL EXTEND AND ATTACH EXTERIOR DECKING TO 1st JOIST (2 x 6) INSIDE

CIRCUMFERENCE OF YURT

CUSTOM RIPPED BLOCK APPROX 2" HIGH:
* RAISES CIRCUMFERENCE TO LEVEL OF 2 x 4 JOIST
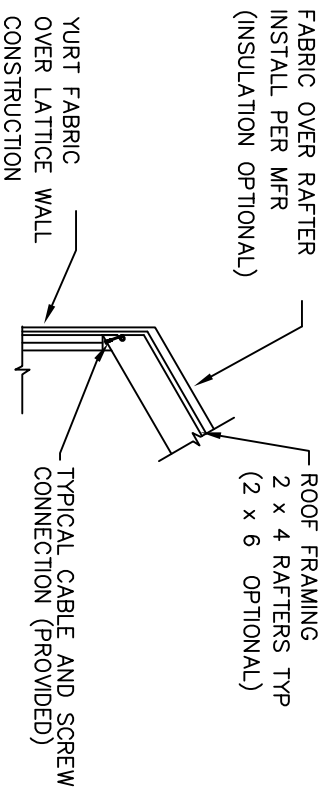* SCREWS TO CIRCUMFERENCE FOR ATTACHING BENDER BD.

NOTE:
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YURT RAFTER DETAILS

SHEET #5

1 — T Y P. D E T A I L
WALL/RAFTER CONNECTION

FABRIC OVER RAFTER
INSTALL PER MFR
(INSULATION OPTIONAL)

YURT FABRIC
OVER LATTICE WALL
CONSTRUCTION

ROOF FRAMING
2 x 4 RAFTERS TYP
(2 x 6 OPTIONAL)

TYPICAL CABLE AND SCREW
CONNECTION (PROVIDED)

3 — A L T. D E T A I L
WALL/RAFTER CONNECTION
(SHOWING OPTIONAL STUD CONNECTION)

FABRIC OVER RAFTER
INSTALL PER MFR
(INSULATION OPTIONAL)

YURT FABRIC
OVER LATTICE WALL
CONSTRUCTION

ROOF FRAMING
2 x 4 RAFTERS TYP
(2 x 6 OPTIONAL)

TRUSS PLATE (PROVIDED)— USE
1 EACH SIDE OF STUD TYP.
W/10 - #8 HEX HEAD SHEET METAL SCREWS
AT EA. CONNECTION POINT
W/ OPTIONAL STUD

2 x 4 STUD SHOWN (OPTIONAL)
(INSULATION OPTIONAL)

2 — T Y P. D E T A I L
RAFTER/DOME CONNECTION

FABRIC OVER RAFTERS
INSTALL PER MFR
(INSULATION OPTIONAL)

RUBBER GASKET

COMPRESSION RING

DOME

STND CORR
CONNECTOR
@ EA. RAFTER (OPTIONAL)
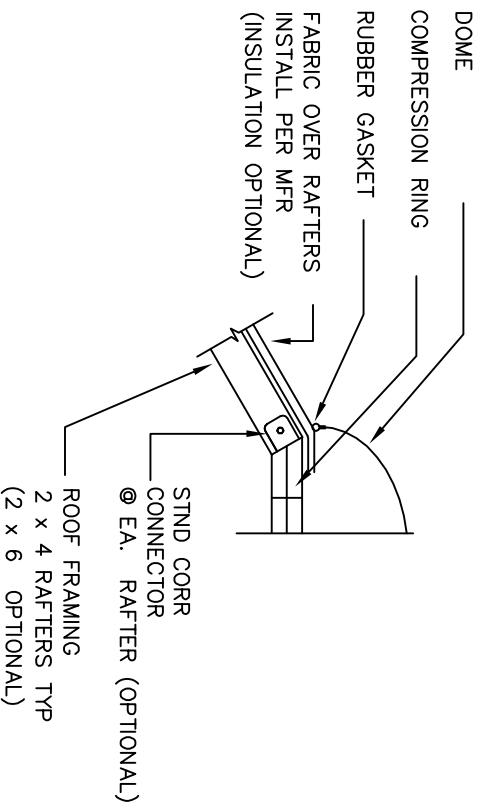
ROOF FRAMING
2 x 4 RAFTERS TYP
(2 x 6 OPTIONAL)

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INSTALLATION OF WALLS, ROOF, FABRIC,
LACING, DOME , & PROPER HEIGHTS OF ALL.

BENDER BD. INSTALL
PER CONSTRUCTION
MANUAL
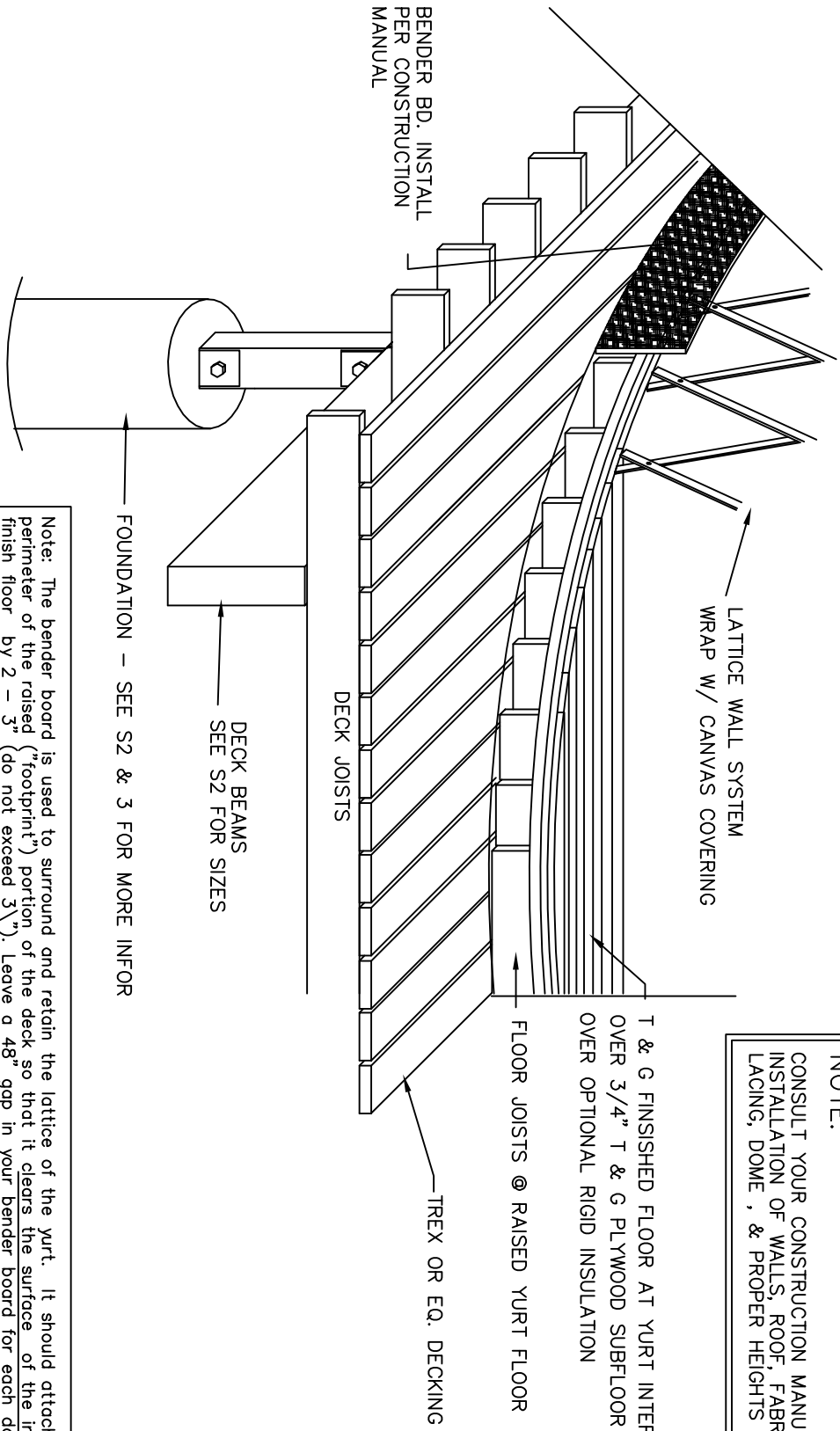
FOUNDATION – SEE S2 & 3 FOR MORE INFOR

DECK BEAMS
SEE S2 FOR SIZES

DECK JOISTS

LATTICE WALL SYSTEM
WRAP W/ CANVAS COVERING

T & G FINISHED FLOOR AT YURT INTERIOR
OVER 3/4" T & G PLYWOOD SUBFLOOR
OVER OPTIONAL RIGID INSULATION

FLOOR JOISTS @ RAISED YURT FLOOR

TREX OR EQ. DECKING

NOTE:
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INSTALLATION OF WALLS, ROOF, FABRIC,
LACING, DOME , & PROPER HEIGHTS OF ALL.

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 of the interior
finish floor by 2 – 3" (do not exceed 3\"). Leave a 48" gap in your bender board for each door in your
yurt. (56" gap for French doors).For placement of non-symetrical door call manufacturer.
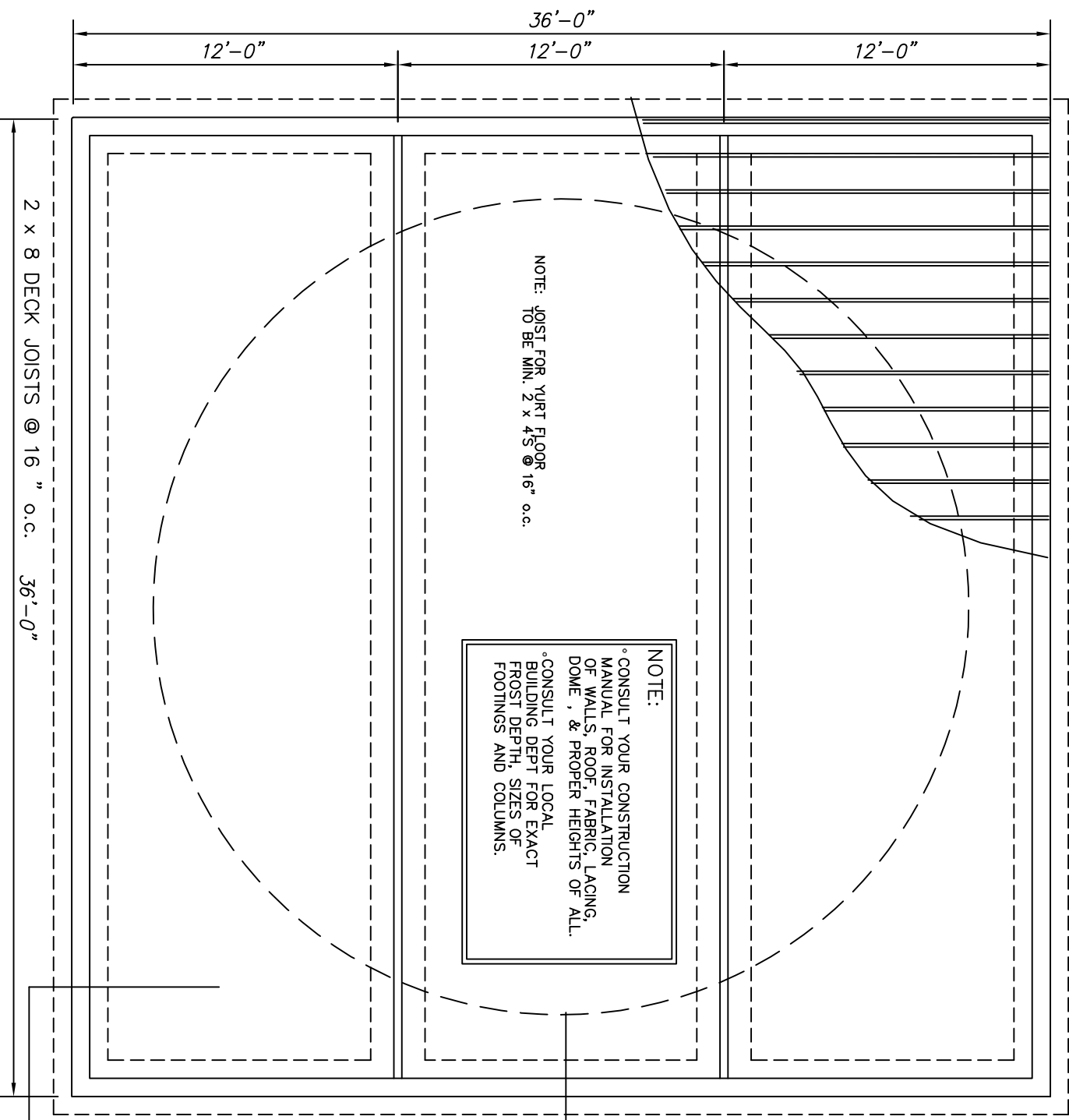
The bender board can be attached outside of the finished size of the footprint. (e.g. a 20' yurt footprint
equals 20' diameter plus the thickness of the bender board.

Choose an appropriate material for your bender board. 1 X Trex fascia bd or better
Alternative: Use pressure treated plywood, redwood or equal.

YURT ISOMETRIC

SHEET #6

36'-0"

12'-0" 12'-0" 12'-0"

2 x 8 DECK JOISTS @ 16" o.c. 36'-0"

NOTE:
JOIST FOR YURT FLOOR
TO BE MIN. 2 x 4'S @ 16" o.c.

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FROST DEPTH, SIZES OF
FOOTINGS AND COLUMNS.

1
S8

AA
S1
SIM

30' YURT ALTERNATE FOUNDATION | SHEET #7

ALTERNATE FOUNDATION DETAIL | SHEET #8

1 — A L T. F O U N D A T I O N   D E T A I L

DECK JOISTS

2 x BLK'G @ BEARING
BETWEEN JOISTS

DOUBLE TOP PLATE

PONY WALL
2 x 4 WALL STUDS AT 16" O.C.

½" APA RATED SHEATHING
(ONE SIDE ONLY)

2 x 4 P.T. PLATE WITH 1/2"Ø x 10"
A.B. AT 48" O.C. TYP.

CONTINUOUS CONCRETE
FOOTING W/
(2) NO.5 REBAR CONT.
3" CLEAR SIDES & BOTTOM

YURT FLOORING
INSTALL PER MFR SPEC
3/4" T & G OVER
3/4" T & G PLYWD SUBFLR
SCREW SUBFLOOR
TO JOISTS PER CODE
OVER (2" RIGID INSULATION-SHOWN/OPTIONAL)

RAISE YURT DECK

DECK JOISTS

2 x 8 P.T. PLATE WITH 1/2"Ø x 10"
A.B. AT 48" O.C. TYP.
(2) NO.5 REBAR CONTINUOUS
TOP & BOTTOM
3" CLEAR TOP AND 1 1/2" SIDES

NO.4 REBAR AT 48" O.C.
ALTERNATE HOOKS

(3) NO.4 REBAR CONTINUOUS,
3" CLEAR SIDES AND BOTTOM

GRADE LINE

1'-4"

10"

3"

6"

1'-4"

8"

10"

CONTINUOUS CONCRETE
FOOTING

TYPICAL CONC STEM
24" TALL x 8" WIDE CONT.

6"
MIN.

FINISHED GRADE
SLOPE AWAY
FROM STRUCTURE

2 x RIM JST

WALL SYSTEM REFER
TO SHEET #1 FOR MORE INFO

NOTE:

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LACING, DOME , & PROPER HEIGHTS OF ALL.

° CONSULT YOUR LOCAL BUILDING DEPT
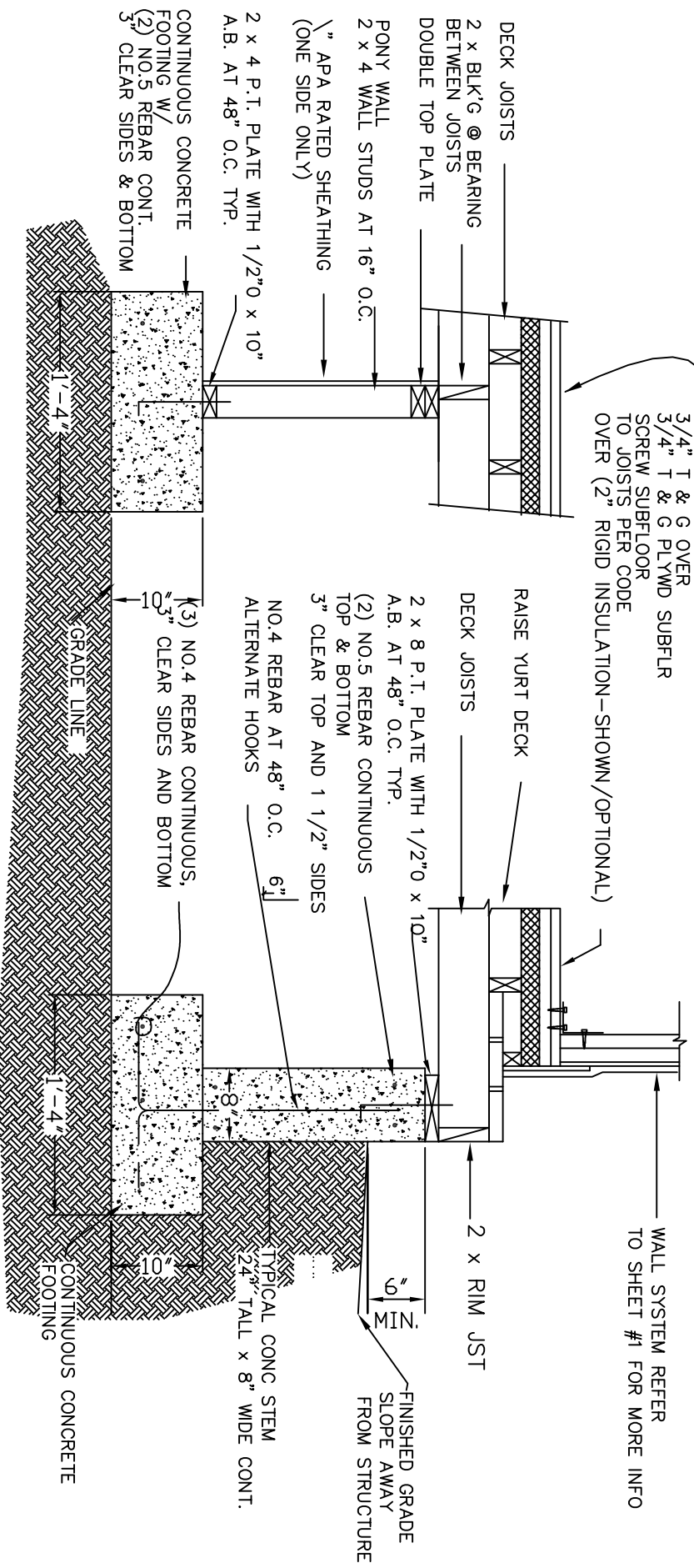FOR EXACT FROST DEPTH,
SIZES OF FOOTINGS AND COLUMNS.