

## PLATFORM CONSTRUCTION

For a secure and comfortable installation, a well-built deck is necessary. To insure a weather proof installation the deck needs to be circular. Follow our plan for the correct size deck to match your yurt. Unless you are skilled, enlist the help of an experienced carpenter or contractor. The strongest deck is built using 4" x 6" beams no more than 4' apart, which are supported on pier blocks no more than 8' apart. The beams are then leveled, using wood blocks and shingle shims. On sloping terrain support posts (usually 4" x 4") will have to be used, which must be attached to the pier blocks and to the beams with metal straps. Cross bracing may also be required. On a severe slope you may want to consider using large beams to support the 4" x 6" beams, thus reducing the number of posts and piers. Next, the 2" x 6" perimeter blocking is cut and nailed to the 4" x 6" beam ends. (**Note:** Before nailing down the floor you should definitely consider installing insulation under the floor.) Now, the 2" x 6" tongue-and-groove flooring is laid down, leaving the ends extended past what will be the finished deck perimeter. If this is to be your finished floor then kiln dried select material is best since it won't shrink and leave gaps to catch debris. Often this type of material is used for open beam ceilings and may have a V-groove which should face down so as not to catch debris and make floor sweeping difficult.

Another option for flooring is 1 1/8" tongue-and-groove plywood laid over the 4" x 6" joists. This can be secured with deck screws instead of nails for easy disassembly later if the platform is to be moved. A power drill with a Phillips head bit is used to drive in the screws. A good solid color stain or floor enamel can provide an attractive finish.

Mark your perimeter by extending a tape measure from a nail at the center of the circle, and holding a pencil at the radius measurement, mark out the circle. Cut the perimeter carefully using a circular saw with a small blade. Staple 2" wide strips of tar paper to the deck edge perimeter. Then, carefully rip (cut) 3/8" rough sawn exterior grade plywood siding into 6" x 8' pieces. This is your deck drip edge material. Join the drip edge sections over the 4" x 6" joist ends and provide blocking as needed to screw or nail to for support. Finally, nail or screw (holds better) the plywood strips or bender board around the edge of the deck, leaving 1" extended above the surface to contain the lattice wall. When the yurt is erected, the bottom of the side cover will be secured to the drip edge giving a draft-free and water-tight seal. The bottom portion of the drip edge will be visible once the yurt is installed, so you might want to stain or paint it to match your color scheme. Plywood skirting (to prevent air flow beneath the floor) and a vapor barrier may also be desirable.

If you plan to add an entry deck to your platform be sure the deck is at a lower level than, or separated from, the platform floor so that the side cover can be properly attached. This insures a good weather seal. If the deck is elevated, be sure to include railings for safety. Building the deck on a steep slope or several feet off the ground will make it difficult to install the side cover unless you provide a perimeter deck or catwalk for easy access. If you have not received the deck framing plan for your specific size yurt please call our office.

**Note:** If you plan to purchase the Cable Tie-Down System an extra 4x6 beam will be needed at the center of the deck platform. Contact us for more information.

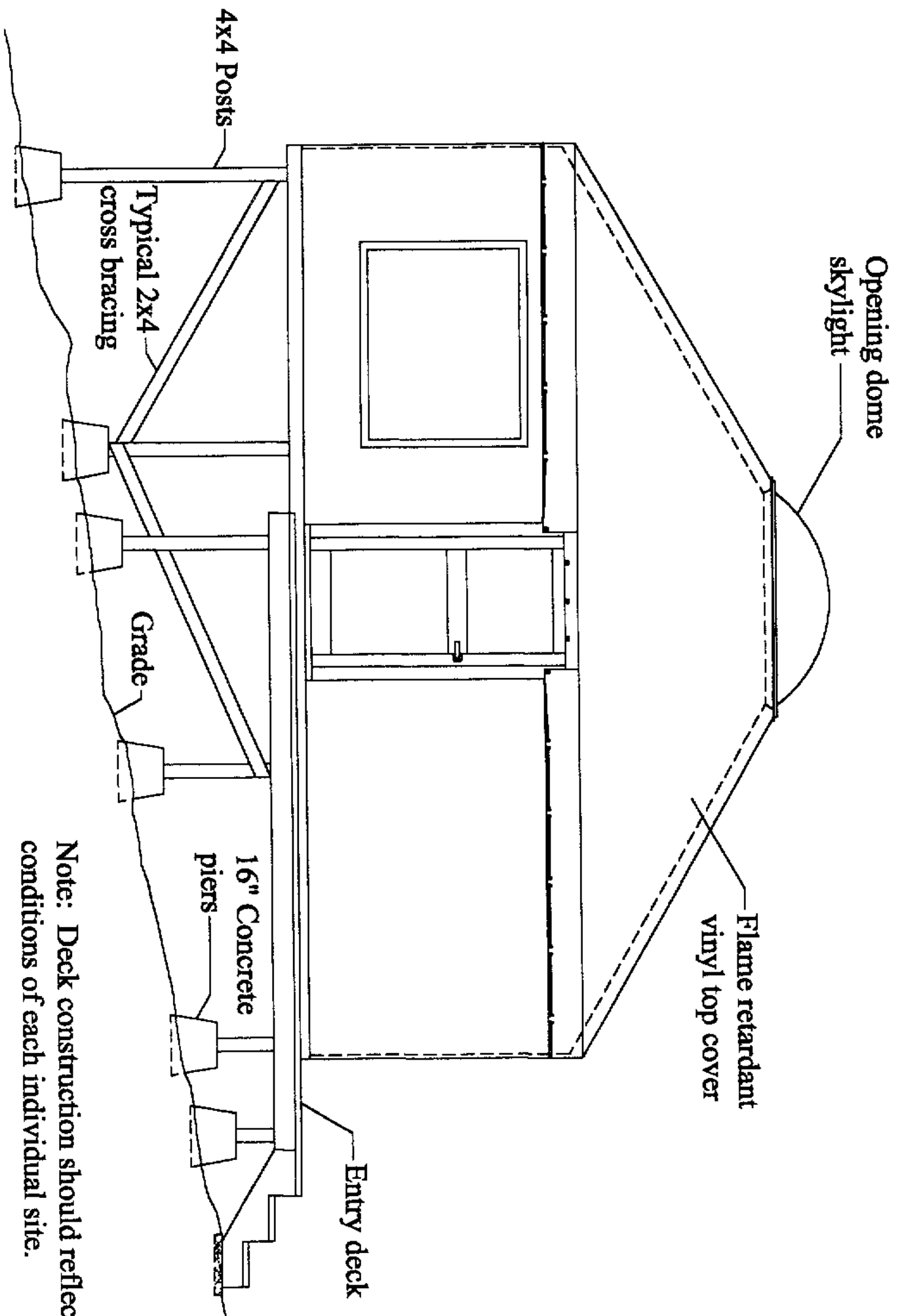
**NOTE:** The following list of materials is approximate, actual usage may vary according to cutting efficiency and design changes.

### DECK PLAN SPECIFICATIONS

MATERIAL	K.D. SELECT DECK	PLYWOOD SHEETS (*ALTERNATE)	CONCRETE	STANDARD & BTR FIR	EXTERIOR PLYWOOD SIDING	STANDARD & BTR FIR
	2" X 6"	4' X 8'	16"	4" X 6"	3/8" X 6"	2" X 6"
DIMENSION	2" X 6"	4' X 8'	16"	4" X 6"	3/8" X 6"	2" X 6"
DESCRIPTION	T&G DECKING	T&G PLYWOOD DECKING	PIERS	BEAMS	DRIP EDGE	BLOCKING
	(LIN. FT.)	(SHEETS)	N/A	(LIN. FT.)	(LIN. FT.)	(LIN. FT.)
DIA. UNIT	12"	14"	16"	20"	30"	
	300	6	11	36	38	20
	400	8	13	53	44	30
	520	8	13	57	51	36
	840	12	16	88	63	46
	1225	18	20	112	76	74
	1800	24	30	179	95	96

**NOTE:** Materials specified do not include any exterior porch materials. You may want to add 15% to 20% to the lumber materials for greater selectivity. Refer to framing plan for lengths of 4" x 6" joists.

\*Decking material specified is tongue and groove. 4' x 8' x 1 1/8" T&G plywood may be substituted for 2" x 6" select decking materials. Follow standard recommended procedures from your lumber supplier for plywood layout over 4" x 6" joists, to determine number of sheets needed. We recommend 2" x 6" blocking every 4' on center between 4" x 6" beams to provide additional support for plywood if this method is used.



Opening dome skylight

Flame retardant vinyl top cover

Entry deck

16" Concrete piers

Grade

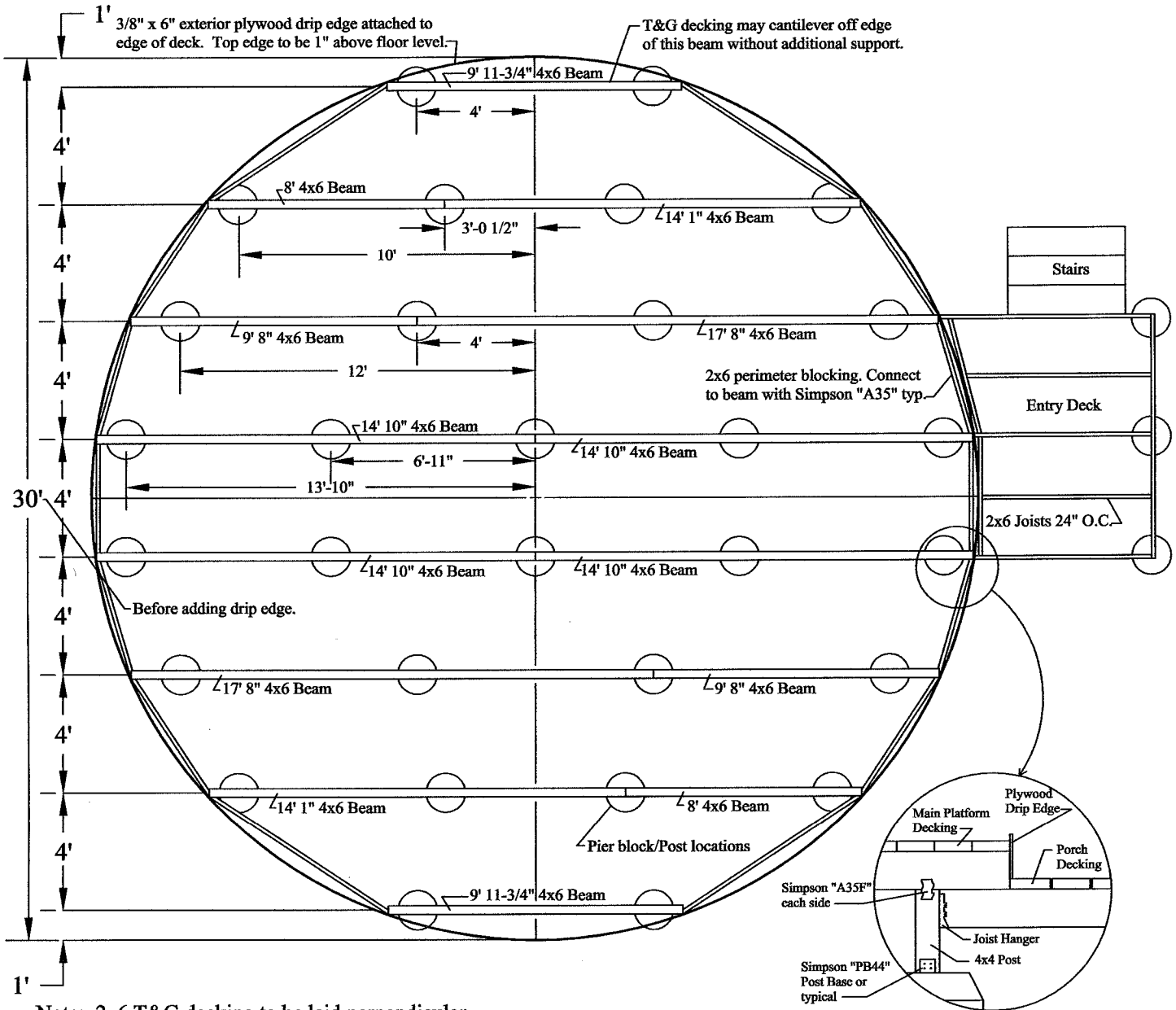
Typical 2x4 cross bracing

4x4 Posts

Note: Deck construction should reflect conditions of each individual site.



Adding a few inches to the 4x6 beam lengths will allow the end to be trimmed after the flooring has been cut into a circle. This approach provides a curved end-cut on the beams for a better connection with the drip edge. **The diameter shown on the diagram does NOT include the plywood drip edge.**



Note: 2x6 T&G decking to be laid perpendicular to 4x6 beams and trimmed to the same outside diameter as that of the yurt. 1-1/8" plywood may be substituted. Recommended layout pattern is available.

**Notes:**

- 1) Deck construction should reflect conditions of site.
- 2) Footings to be designed in accordance with each individual site.

**TYPICAL ELEVATION  
DETAIL OF DECK**

Floor level of entry deck should be below the floor level of yurt platform so as not to interfere with drip edge. (See detail above)

## TYPICAL 30' PLATFORM FRAMING PLAN

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