



# 42' DOME - OWNER SUPPLIED LIST WITH CONCRETE PIERS

## FOUNDATION

*Reinforcement/Layout stakes	#3 (3/8") rebar stakes - length determined by frost depth (i.e. depth of piers) - use to layout dome and then use to reinforce piers (20 piers total)	60 ea	_____
**Sono tubes	12" x 12' length (cut to match the depth of piers, if your piers are more than 36" deep you may need more than 5 Sono tubes)	5 ea	_____
*Top & Bottom Rings	#3 (3/8") rebar hoops that have a 10" outside diameter (giving about 1" clearance for concrete). These will be placed at the top and the bottom of the piers (if pier depth is more than 36" an additional middle ring per pier (20 total) will be needed.)	40 ea	_____
*Concrete for sono tubes	Approximately 1-1/2 cu. yds.	1-1/2 yd	_____
Expansion bolts	5/8" x 7" plus nuts & washers	40 ea	_____
3/4" Washed gravel	1 cu. yd. if site is within 2" of level Plus 1 yd. for perimeter skirt	1 yd 1 yd	_____ _____

\*\*Matching SDS bit for expansion bolts required. Rental hammer drill required if supervisor does not provide one.

## INSULATION

Wall insulation	4' x 8' x 2" Rigid foam insulation	7 ea	_____
Perimeter skirt (Optional)	4' x 8' x 2" Rigid foam insulation	6 ea	_____
Total if both installed		13 ea	_____

(Partial leftover sheet from wall insulation would be used on perimeter skirt)

## UNDERSOIL HEATING/COOLING SYSTEM

Duct	4" Black corrugated irrigation pipe (footer drain-can be perforated with sock or non-perforated)	260 ft	_____
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## ROUND WATER TANK

Galvanized 20 gauge sheet metal	4' x 10' (Use pre-primed metal or pre-painted black or other dark color if available for front piece) (If not pre-primed or pre-painted, you need 1 qt muriatic acid) (1/4" metal drill bit required for galvanized sheet metal)	4 ea	_____
Lumber for tank blocks (behind tank)	6" x 6" x 24" - Pressure treated or equiv. ** If "6 x 6 x 24" is not available "4 x 6 x 24" or "4 x 4 x 24" works fine.	2 ea	_____
Metal paint, roller, and thinner (if needed)	Black or other dark color	2 qts	_____
Duct tape		1 rl	_____
Play sand	50 lb. bags or 700 lbs. bulk	16 ea	_____

## MISCELLANEOUS

T-50 1/2" staples		1 ea	_____
Isopropyl rubbing alcohol and clean cotton rags (to clean Glazing prior to taping)		1 ea	_____
Ladders:	6' step-ladders	2 ea	_____
	8' step-ladders	2 ea	_____
	12' extension ladders (unextended length)	2 ea	_____
	Ladder stabilizer with padded foot covers	2 ea	_____
	5' scaffold sections (plus planks & locking wheels)	3 ea	_____

Box of heavy duty trash bags

1 ea



(It is usual for the Owner to rent the scaffolding and have them on site for 2 to 3 days)

\*\*Recommended to borrow or rent the ladders instead of purchasing. If crew is flown to the building site, ladders need to be on-site.

\*Local building codes may require concrete piers to extend to frost depth. If so, you will need to increase the lengths of the Sono tubes and reinforcement rebar and increase the amount of concrete.

\*\*If you do not have to build to a specific depth we recommend cutting your 12' Sono tubes into 5 pieces (approx. 28.8" each). In this case, you will only need 4 Sono Tubes.

**---See Basic Instructions Guide for additional Supplies and Tools that will be required---**