Chinook WIND MACHINES

Foundation Installation



H.F. HAUFF COMPANY INC.

2921 Sutherland Dr.
Yakima, WA 98903
P: (509) 248-0318
F: (509 248-0914



- Dig hole 8’ x 8’ x 36” deep.
- Hand finish with shovel making sure all corners are square and not rounded.





- Frame top of hole with 2” x 4” or 2'' x 6'' wood and maintain 36” to top of wood and 8’ square on inside of wood.
- Level all four sides. Measure opposing corners to insure hole is square. Align hole to fruit row.

- Place fixture on edge of framing upside down.
- Mount 1 1/2” J bolts to leveling plate, turnover and mount to fixture. Use extra 1 1/2” nuts and tighten tower chair to fixture.
- Ensure that the curvature on the leveling plate is dish side up and bolts come from bottom side up.







- Pull fixture over to center of hole, tower bolts will now be positioned in hole.
- Mount engine bolts in appropriate holes, exposing 1/2” above each nut.





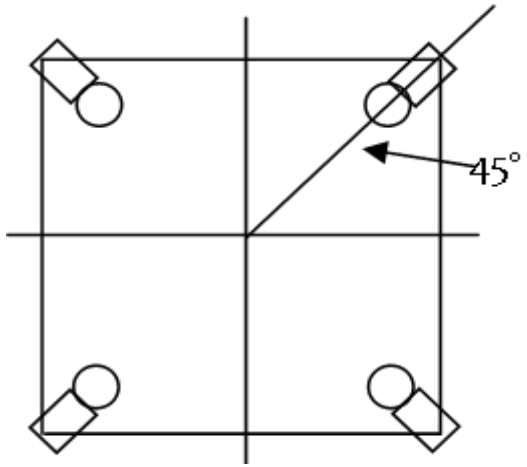
- Center fixture to hole, each end level, leveling plate and check each side as well as opposing corners. Shim corners of fixture to attain the proper level.







Lay rebar to J bolts (which have been orientated at a 45º angle from leveling plate) as per diagram. Secure with tie wire.







Pour concrete first at bottom of J-Bolts and then fill all sides, gradually so as not to shift fixture and bolts.

- Make sure concrete is pushed underneath leveling plate on all four sides and remove excess from center hole. Clean out excess concrete around the foundation wood, so as not to lock it in place with dry concrete. Smooth out concrete and make sure engine bolts stand vertical.
- After the concrete has set, remove the foundation wood and also remove the leveling plate and make ready for tower installation.





*Cover concrete with tarp, cardboard, straw or hay if cold is anticipated.