



The FOOTING TUBE

A division of CLIFFCORP Inc.


| Size Chart | | | |
|--------------------|---|--|---|
| Height Inches (mm) | 6" Footing Tube | 8" Footing Tube | 10/12" Footing Tube |
| 64" (1627) | Maximum 8' load bearing for the 6" Footing Tube | | 10" (254) |
| 62" (1575) | | 8" (203) | 12" (305) |
| 60" (1524) | | 8.24" (209) | 12.28" (312) |
| 58" (1473) | | 8.48" (215) | 12.56" (319) |
| 56" (1422) | | 8.72" (222) | 12.84" (326) |
| 54" (1372) | 6" (152) | 8.96" (228) | 13.12" (333) |
| 52" (1321) | 6.24" (159) | 9.2" (234) | 13.40" (340) |
| 50" (1270) | 6.48" (165) | 9.44" (240) | 13.68" (348) |
| 48" (1219) | 6.72" (171) | 9.68" (246) | 13.96" (355) |
| 46" (1168) | 6.96" (177) | 9.92" (252) | 14.24" (362) |
| 44" (1118) | 7.20" (183) | 10.16" (258) | 14.52" (369) |
| 42" (1067) | 7.44" (189) | 10.4" (264) | 14.80" (376) |
| 40" (1016) | 7.68" (195) | 10.64" (270) | 15.08" (383) |
| 38" (965) | 7.92" (201) | 10.88" (276) | 15.36" (390) |
| 36" (914) | 8.16" (207) | 11.12" (283) | 15.64" (397) |
| Base Outside | 14" (356) | 24" (610) | 24" (610) |
| Base Inside | 12.50" (318) | 21.75" (553) | 21.75" (553) |
| Volume | 2.3 ft ³ (.065 m ³) | 4.8 ft ³ (.136 m ³) | 8.5 ft ³ (.24 m ³) |

TECHNICAL SPECIFICATIONS

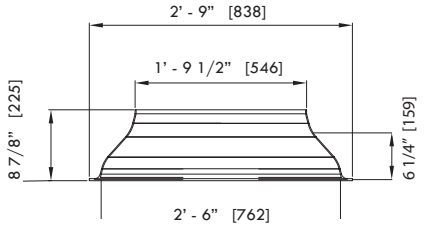
Visit www.foottube.com for Installation Manual, CCMC Evaluation Report I3309-R, ICC Evaluation Report ESR-2424, CAD Drawings, Availability & Much More!!

| Load Bearing Table** | | | | |
|---------------------------------|---|-----------------------------|--------------------------------------|---------------------|
| Soil Description | Allowable Bearing Pressure kPa = psf | 6" Footing Tube lbs/tube | 8" & 10/12" Footing Tube lbs/tube | FTB30 lbs/tube |
| Base area | | .85 ft ² | 2.58 ft ² | 4.9 ft ² |
| Dense or compact sand or gravel | 150=3132 | 2662 | 8080 | 15346 |
| Loose sand or gravel | 50=1044 | 887 | 2693 | 5115 |
| Dense or compact silt | 100=2088 | 1774 | 5387 | 10231 |
| Stiff Clay | 150=3132 | 2662 | 8080 | 15346 |
| Firm clay | 75=1566 | 1331 | 4040 | 7673 |
| Soft Clay | 40=835 | 709 | 2154 | 4091 |
| Till | 200=4177 | 3550 | 10776 | 20467 |
| Clay Shale | 300=6265 | 5325 | 16163 | 30698 |
| Sound Bedrock | 500=10442 | 8875 | 26940 | 51165 |

Please verify all load bearing requirements with the local building officials or a qualified engineer.

FTB30 

Concrete Volume
 when used with tubes 2.13 ft³ (.06m³)
 when used without tubes 2.7 ft³ (.076 m³)



Used under 8" & 10/12" Footing Tubes to increase load bearing area.

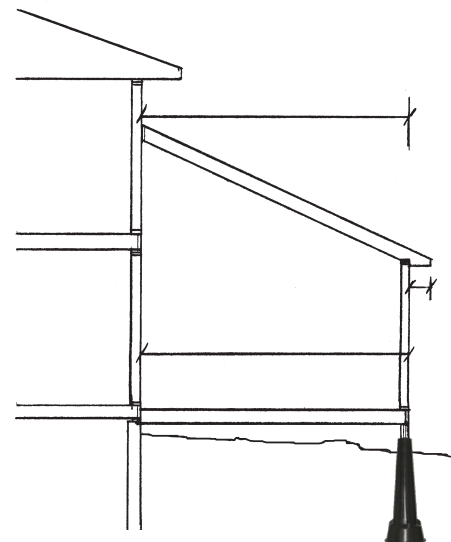
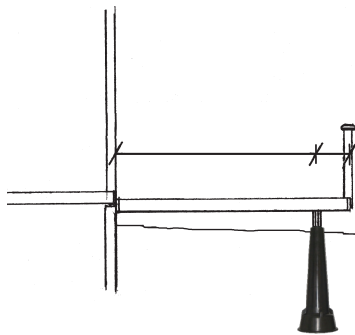
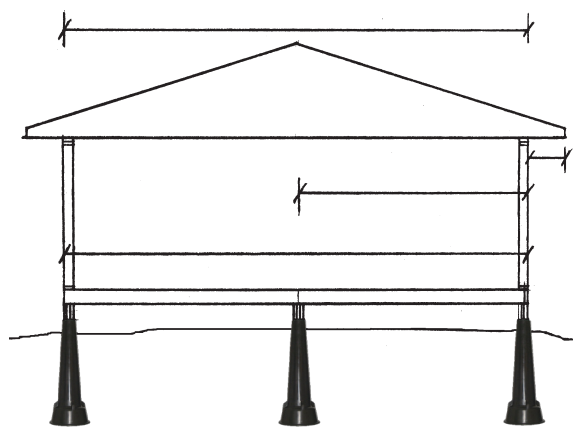
Do It Once!! Do It Right!!

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FORMULA TO CALCULATE LOADS OF BUILDINGS

| Cottage or House | Deck/Balcony | Addition |
|------------------|--------------|----------|
|------------------|--------------|----------|



Deck Formula: (Max 8' load bearing capacity with 6" Footing Tube)

$$\frac{\text{deck joist length to centre of beam in lin. ft.}}{\div 2} + \frac{\text{over hang}}{\text{}} \times \left(\frac{\text{design live load for balconies unfactored + dead load in lbs.}}{\text{}} + \frac{\text{}}{\text{}} \right) = \frac{\text{lbs/lin. ft.}}{\text{}} \times \frac{\text{length of deck}}{\text{}} = \frac{\text{weight in lbs-deck beam to support}}{\text{}}$$

Floor Formula:

$$\frac{\text{floor joist length in lin. ft. to next support beam}}{\div 2} \times \left(\frac{\text{live load in lbs. + dead load in lbs.}}{\text{}} + \frac{\text{}}{\text{}} \right) = \frac{\text{lbs/lin. ft.}}{\text{}} \times \frac{\text{length of floor}}{\text{}} = \frac{\text{weight in lbs-floor load/side}}{\text{}}$$

Roof Formula:

$$\frac{\text{truss length in lin. ft.}}{\div 2} + \frac{\text{over hang}}{\text{}} \times \left(\frac{\text{design live load for roof trusses unfactored + dead load in lbs.}}{\text{}} + \frac{\text{}}{\text{}} \right) = \frac{\text{lbs/lin. ft.}}{\text{}} \times \frac{\text{length of roof}}{\text{}} = \frac{\text{weight in lbs-roof load/side}}{\text{}}$$

$$\text{Exterior wall weight at 100lbs/lin.ft.} \times \frac{\text{lin.ft. supported}}{\text{}} = \frac{\text{weight in lbs-wall load/side}}{\text{}}$$

$$\text{Total load to be supported by piers} = \frac{\text{lbs}}{\div \frac{\text{Soil type bearing Pressure / tube}}{\text{}}} = \frac{\text{}}{\text{}} = \frac{\text{# of tubes required}}{\text{}}$$

See Load Bearing Table**

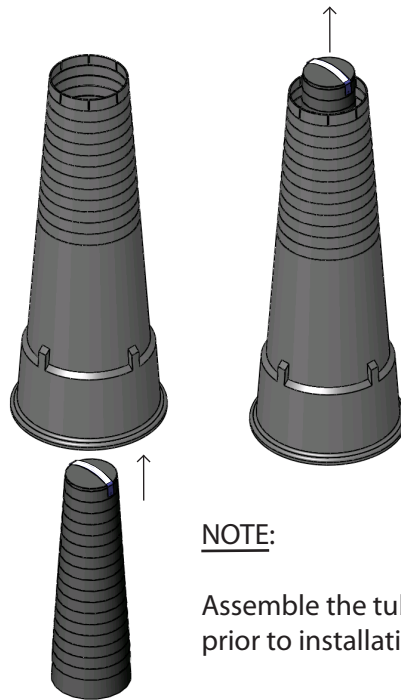
Note: This is a guide only! All loads & placement of piers to be verified by someone qualified in your area.

8 FOOT FOOTING TUBE

INSTALLATION STEPS:

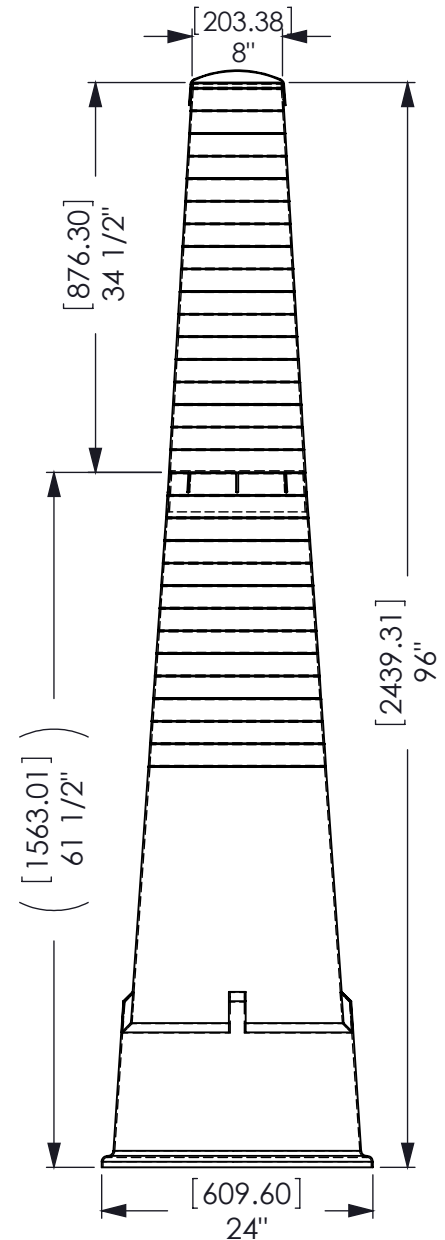
- Step 1: Insert the top portion through the bottom larger base tube by pulling on strap until it snaps in place.
(Screws or tape can be used to secure the two units together)
- Step 2: Excavate the depth required that will eliminate frost from penetrating under pier.
- Step 3: Install the 8 FOOT Footing Tube in desired location.
(Center and level Safety Top)
- Step 4: Backfill to finished grade before pouring concrete, minimum 4 ft.
(Using coarse rock fill may damage tube)
- Step 5: Remove Safety Top at desired height and fill Footing Tube with concrete.
(Pour in 12" lifts and use a pencil vibrator to ensure consistency)

ASSEMBLY DETAIL



NOTE:

Assemble the tube prior to installation.



Volume of Concrete
9.35 cu.ft.
0.265 cu.meters

NOTE:

A larger 30" base can be achieved by adding our "FTB30" to the bottom of the 8 FOOT Footing Tube.

Please direct all inquiries to:

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