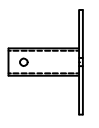


CAP PLATE DETAIL  
4-11/16" TD 7-5/16" BOLT CIRCLE



5/8 HEX NUT AND BOLT

LOCK WASHER

2-1/2" X 2-1/2" X .18 SQUARE WASHER

3-1/2" X 3-1/2" X .375 CURVED CLAMP PLATE

10" DIA CAP PLATE DN 6-3/4" SLIP PIPE

FLAT WASHER

3/4 HEX BOLT & NUT

EXTENSIONS IF REQUIRED  
3FT C107-0573  
3FT C107-0574  
7FT C107-0575

LEAD SECTION  
7FT C150-0023  
10FT T107-0812

7FT T107-0813

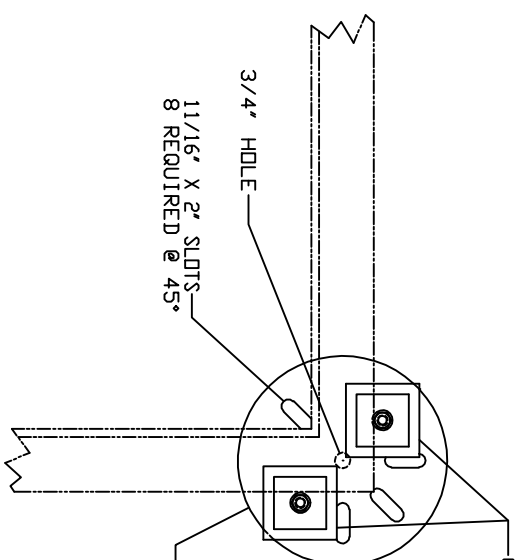
12' HELIX

10' HELIX

45' DR 81'

75' DR 111'

6" PILOT TYP



==NOTES==

- HOT DIP GALVANIZED PER ASTM A153-(LATEST REV.).
- NOMINAL SPACING BETWEEN HELIX PLATES IS THREE TIMES THE DIAMETER OF THE LOWER HELIX.
- SHAFT MATERIAL PER ASTM A618 DR A252 OR MECHANICAL EQUIVALENT.
- HELIX AND PLATE MATERIAL PER ASTM A635 HOT ROLLED STEEL SHEET, ASTM A36 HOT ROLLED STEEL SHEET, A715 HOT ROLLED HIGH STRENGTH, LOW ALLOY STEEL SHEET OR A656 HOT ROLLED STRUCTURAL STEEL PLATE.
- Coupling Boltes: 3/4" DIAMETER X 5-3/4" LONG HEX HEAD PER SAE J429 GRADE 5.
- MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED, WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
- ALL WELDING TO BE DONE BY WELDERS CERTIFIED UNDER SECTION 5 OF THE AWS CODE D1.1.
- EXTENSIONS MUST BE PROVIDED WITH A HOT FORGE EXPANDED INTERGRAL COUPLING CONNECTION DN ONE END.

MECHANICAL RATING:

TORQUE: 11,000 FT-LB

AXIAL LOAD: 30,000 LBS

SIDE LOAD RATING IN SOIL\*

SIDE LOAD: 600 LB, APPLIED 32 INCHES ABOVE GRADE

\*SIDE LOAD RATING ASSUMES:

WATER TABLE BELOW FOUNDATION

2 TO 1 SAFETY FACTOR

MINIMUM BLOW COUNT SOIL OF 4 PER ASTM D1586

5 FT MINIMUM SHAFT LENGTH IN CLAY

7 FT MINIMUM SHAFT LENGTH IN SAND

<p>COMMERCIAL THE DESIGN AND THE CONSTRUCTION OF THIS FOUNDATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL AGENCIES.</p>	
<p>CHANCE</p>	<p>HUBBELT POWER SYSTEMS</p>
<p>FOUNDATION, COMMUNICATION SYSTEM</p>	<p>SAT107-0811</p>
<p>NO. OF SHEETS</p>	<p>SHEET 1 OF 1</p>