



HELIX MUST BE FORMED BY MATCHING METAL DIE  
(SIDE VIEW OF TRUE HELICAL FORM)

-NOTES-

1. FINISH: HOT DIP GALVANIZE PER ASTM-A153 (LATEST REVISION).
2. BASEPLATE TO BE PERPENDICULAR TO SHAFT AXIS (+/-1°) AND HOLE CENTERLINE CONCENTRIC (+/- .188) TO SHAFT AXIS.
3. STENCIL MIN. 1/2 IN. LETTERS MANUFACTURER'S NUMBER AFTER GALVANIZING.
4. PILOT POINT AND SHAFT AXES TO BE CONCENTRIC (+/- .125 FIM) AND IN LINE (+/-2°).
5. FLAME CUT TWO SLOTS IN SHAFT PERPENDICULAR TO THE BASEPLATE. PREHEAT, TUMBLEBLAST, HANDGRIND, AND CLEAN BASEPLATE.
6. HELIX, AND PILOT POINT ON ALL WELDED AREAS.
7. FLAMECUT IRREGULARITIES PERMISSIBLE: (1) VALLEYS NOT TO EXCEED 3/32 IN. BELOW NOMINAL SURFACE LEVEL, (2) PEAKS OR POSITIVE IRREGULARITIES NOT TO EXCEED 1/32 IN. ABOVE NOMINAL SURFACE LEVEL OR INTERSECTIONS OF NOMINAL SURFACES. MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES. ALL MATERIAL IS TO BE NEW, UNUSED AND MILL TRACEABLE MEETING THE FOLLOWING SPECIFICATIONS:
8. BASEPLATE: ASTM A36-(LATEST REVISION) STRUCTURAL STEEL (CONFORM TO AASHTO TECH. BUL. #270)
9. SHAFT: ASTM A252-(LATEST REVISION) GRADE 2, STEEL PIPE PILES. ALTERNATE MATERIAL: ASTM A53-(LATEST REVISION) TYPE E DR S, GRADE B, STEEL PIPE OR ASTM A500-(LATEST REVISION) GRADE B, STRUCTURAL STEEL TUBING.
10. HELIX: ASTM A635-(LATEST REVISION) 3/8" THICK HOT ROLLED STEEL PLATE DR COIL.
11. PILOT POINT: ASTM A575 (LATEST REVISION) 1-1/4" DIAMETER HOT ROLLED STEEL BAR.
12. BOLTS: CARRIAGE BOLT 1-8UNC-2A PER ANSI B-18.5, SAE J429 GRADE-5, RETAINING WASHERS: 1/64" THICK STRESS RELIEF ANNEALED STEEL, BEVELED FORMED HOLDING TABS WITH AN OUTER STABILIZING FLANGES.
13. BASEPLATE IS PERMANENTLY STAMPED WITH MANUFACTURER'S IDENTIFICATION 'ABC' IN 1/2" LETTERS AND THE JULIAN DATE CODE IN 1/4" LETTERS.
14. BOLT CLEARANCE SLOTS IN SHAFT UNDER BASEPLATE.
15. MAXIMUM GROUNDLINE BENDING MOMENT CANNOT EXCEED 13,000 FT.-LBS. ON THIS DESIGN. IF DESIGN REQUIREMENTS EXCEED THIS LIMIT, CONTACT THE MANUFACTURER FOR OTHER ALTERNATIVES.
16. BASEPLATE PERMANENTLY MARKED TO INDICATE CABLEWAY OPENING IN SHAFT.

LIGHTING FOUNDATION  
CAT. NO. 1112-0271

<b>CHANCE</b>			
HUBBELL POWER SYSTEMS		HUBBELL POWER SYSTEMS	
TITLE		TITLE	
LIGHTING FOUNDATION		LIGHTING FOUNDATION	
SIZE	DWG NO.	DO NOT SCALE	THIS DRAWING
SB	SA112-0271		
REV		DWN BY	KSH
E		DATE	11/10/04
		SHEET	1/1