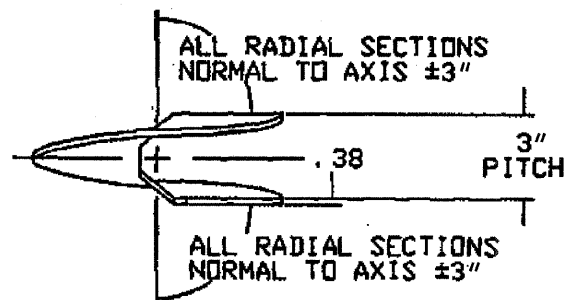


POLE FOUNDATION DETAIL, 35' MOUNT. HEIGHT
(FOR 47.5' MH FOUNDATION DETAILS SEE NOTE 12)



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 ($\pm 1^\circ$) AND HOLE CENTERLINE CONCENTRIC ($\pm .188$) TO SHAFT AXIS.
3. STENCIL MIN. 1/2 IN. LETTERS MANUFACTURER'S NUMBER AFTER GALVANIZING.
4. PILOT POINT AND SHAFT AXES TO BE CONCENTRIC ($\pm .125$ FIM) AND IN LINE ($\pm 2^\circ$)
5. FLAME CUT TWO SLOTS IN SHAFT PERPENDICULAR TO THE BASEPLATE.
6. PREHEAT, TUMBLEBLAST, HANDGRIND, AND CLEAN BASEPLATE, HELIX, AND PILOT POINT ON ALL WELDED AREAS.
7. FLAMECUT IRREGULARITIES PERMISSIBLE: (1) VALLEYS NOT TO EXCEED 3/32" BELOW NOMINAL SURFACE LEVEL, (2) PEAKS OR POSITIVE IRREGULARITIES NOT TO EXCEED 1/32 IN. ABOVE NOMINAL SURFACE LEVEL OR INTERSECTIONS OF NOMINAL SURFACES.
8. MANUFACTURER TO HAVE IN EFFECT INDUSTRY RECOGNIZED WRITTEN QUALITY CONTROL FOR ALL MATERIALS AND MANUFACTURING PROCESSES.
9. ALL MATERIAL IS TO BE NEW, UNUSED AND MILL TRACEABLE MEETING THE FOLLOWING SPECIFICATIONS:
 BASEPLATE: ASTM A36-(LATEST REVISION) STRUCTURAL STEEL
 (CONFORM TO AASHTO TECH. BUL. #270)
 SHAFT: ASTM A252-(LATEST REVISION) GRADE 2, STEEL PIPE PILES.
 ALTERNATE MATERIAL: ASTM A53-(LATEST REVISION) TYPE E OR S, GRADE B, STEEL PIPE OR ASTM A500-(LATEST REVISION) GRADE B, STRUCTURAL STEEL TUBING.
 HELIX: ASTM A635-(LATEST REVISION) 3/8" THICK HOT ROLLED STEEL PLATE OR COIL.
 PILOT POINT: ASTM A575-(LATEST REVISION) 1-1/4" DIAMETER HOT ROLLED STEEL BAR.
 BOLTS: CARRIAGE BOLT, 1-8UNC-2A PER ANSI B-18.5, SAE J429 GRADE-5.
 NUTS: HEAVY HEX NUTS PER ASTM A194 GRADE 2H OR ASTM A563 GRADE 2H, MEETING THE SUPPLEMENTARY REQUIREMENTS OF ASTM A563; 1-8UNC-2B PER ANSI B18.2.2.
10. BASEPLATE IS PERMANENTLY STAMPED WITH MANUFACTURER'S IDENTIFICATION 'ABC' IN 1/2" LETTERS AND DATE CODE IN 1/4" LETTERS.
11. BASEPLATE PERMANENTLY MARKED TO INDICATE CABLEWAY OPENING IN SHAFT.
12. THE POLE FOUNDATION FOR THE 47.5' MOUNTING HEIGHT UNIT SHALL BE IN ACCORDANCE WITH THE 35' MOUNTING HEIGHT DETAILS, EXCEPT AS FOLLOWS:
 BOLT CIRCLE: 15"
 SHAFT DIAMETER: 10"
 SHAFT LENGTH: 8'
 BASEPLATE: 15"x15"x1 1/4"
 BOLTS: 1"x7"
13. THE CONTRACTOR SHALL COORDINATE EXTERIOR OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.

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FILE NAME = g:\Ch09\1032\Road\BE305.dgn	USER NAME = e_jpondexter	DESIGNED - KB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	METAL LIGHT POLE FOUNDATION DETAIL	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = #SCALE#	CHECKED - SRF	REVISI ON	REVISI ON			2578	10-00059-00-LT	COOK	21	21
PLOT DATE = 12/22/2011	DATE - 11/04/2011	REVISI ON	REVISI ON			2585	JOB NO. C-91-460-10	CONTRACT NO. 63530		
						SCALE: NTS		SHEET NO. 21 OF 21	SHEETS	STA.