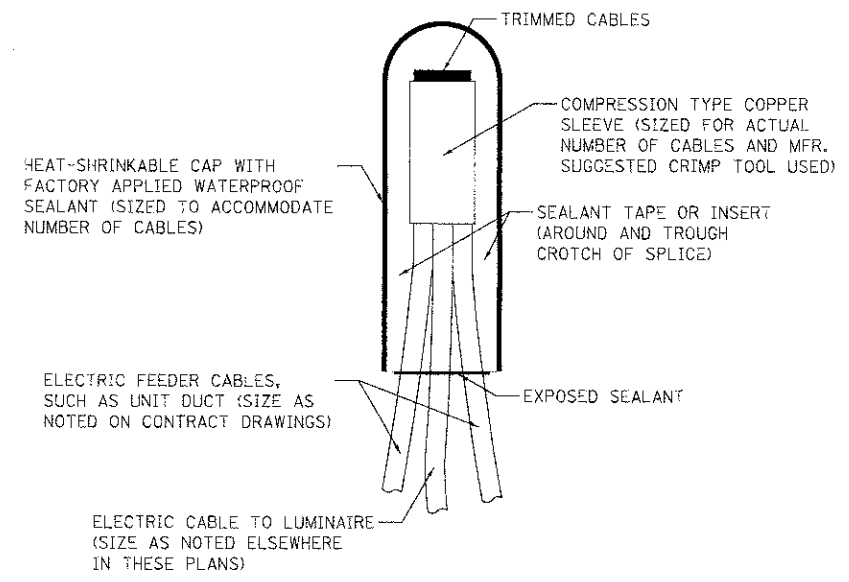


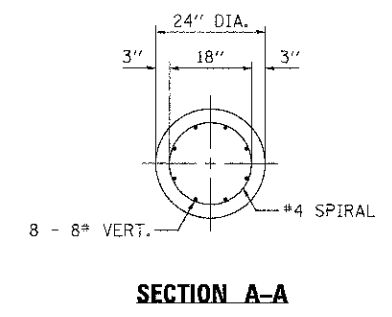
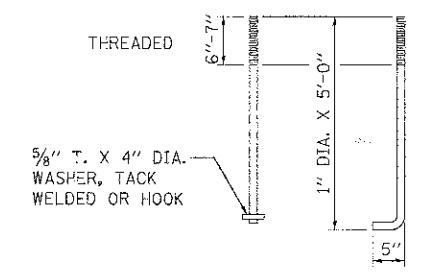
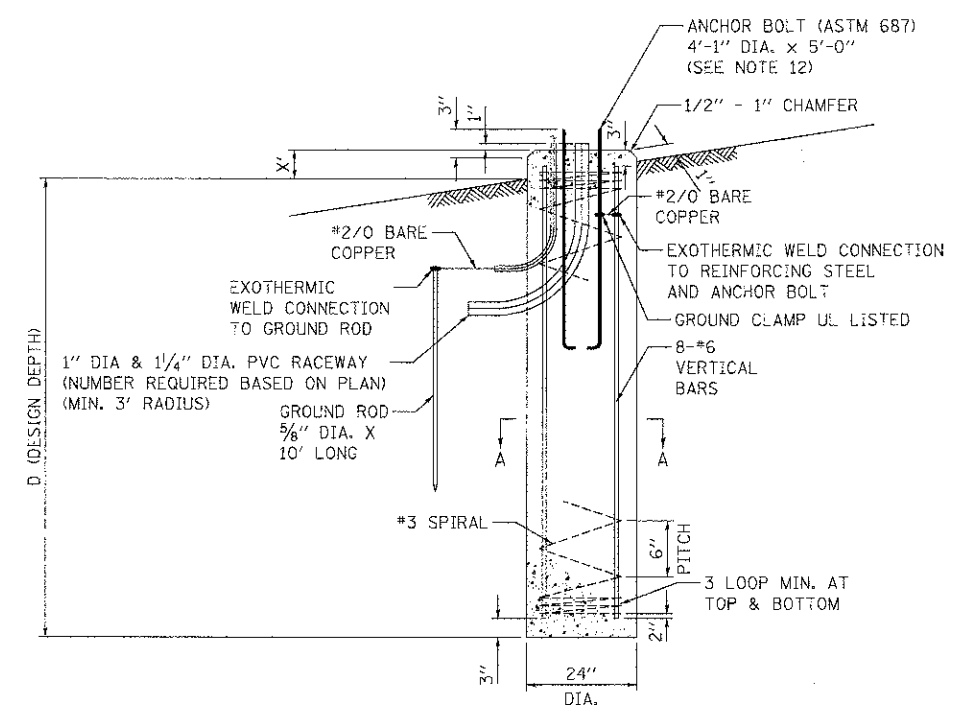
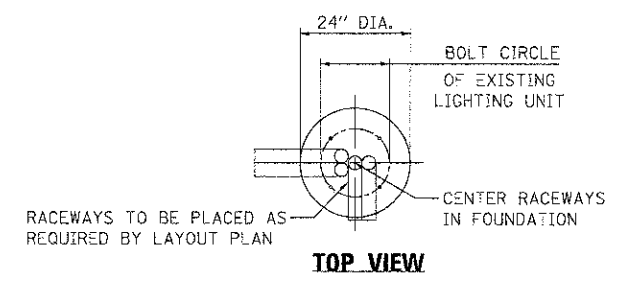
NOTES:

1. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.
2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
3. THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. ABOVE THE FINISHED GRADE WITHIN A 60 IN. CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION DETAIL.
4. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
5. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 1/2" TO 1".
6. THE CONCRETE SHALL BE CLASS DS. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
7. THE ANCHOR ROD SHALL BE A HOOK TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELD ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
8. ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A194 2H OR ASTM A563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F436.
9. ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER HOT-DIPPED PROCESS CONFORMING WITH AASHTO M232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 MICRO-MILLIMETER (6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F1136.
10. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES WITH A MINIMUM OF 3 INCHES OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
11. ANCHOR RODS SHALL PROJECT 2 3/4" ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF BREAKAWAY COUPLINGS.
12. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" PITCH OF MAY SUBSTITUTE #3 TIES AT 12" O.C. WITH THE APPROVAL OF THE ENGINEER.
13. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACKFILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
14. THE RACEWAYS SHALL PROJECT 1" ABOVE THE TOP OF THE FOUNDATION.



NOTE: NUMBER OF CABLES IN SPLICE MAY VARY

**SPLICING ELECTRIC CABLES
BASIC MATERIALS AND METHODS**



DESIGN TABLE - LIGHT POLE FOUNDATION, 24" DIAMETER

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT. BARS	SPIRAL	VERT. BARS	SPIRAL
SOFT CLAY	13'-0"	15'-0"	8-#6 x 12'-6"	#3 x 122'	8-#6 x 14'-3"	#3 x 141'
MEDIUM CLAY	9'-6"	10'-9"	8-#6 x 9'-0"	#3 x 90'	8-#6 x 10'-0"	#3 x 100'
STIFF CLAY	7'-0"	8'-0"	8-#6 x 6'-6"	#3 x 86'	8-#6 x 7'-6"	#3 x 76'
LOOSE SAND	10'-0"	11'-0"	8-#6 x 9'-6"	#3 x 94'	8-#6 x 10'-6"	#3 x 103'
MEDIUM SAND	8'-3"	9'-0"	8-#6 x 8'-0"	#3 x 78'	8-#6 x 8'-6"	#3 x 85'
DENSE SAND	7'-9"	9'-0"	8-#6 x 7'-6"	#3 x 73'	8-#6 x 8'-6"	#3 x 85'
ROCK OR SOLIDIFIED SLAG	5'-0"	5'-0"	NONE	NONE	NONE	NONE

LIGHT POLE FOUNDATION, 24" DIAMETER