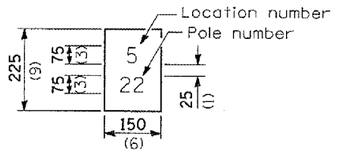
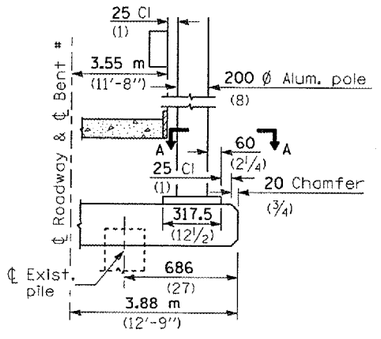
"Install and orient arm bracket over pole tenon and firmly hand tighten the two set screws. Use third hole in arm bracket as a guide to drill a **8.3** (3/11) diameter hole through tenon. Install and tighten self-tapping screw. Tighten set screws an additional (1/4 to 3/8) turn with hex key (not provided). Install locknuts on set screws if threaded projection allows."

Pole shall meet AASHTO Standard Specifications for **128.72 km** (80 mph) wind loading and **40.82 kg** (90 lb.), **.37 m²** (4.0 sq. ft.) E.P.A. luminaire.

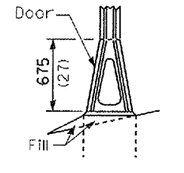


The contractor shall furnish and install a light pole identification of each new light pole, as shown above, incidental to the respective light pole pay item. The numerals shall be **75** (3) series "D", black, screened on silver-white type B pressure sensitive reflective sheeting conforming to the requirements of section T602.01 of the Standard Specifications for Traffic Control Items. The numerals shall conform to the FHWA "Standard Alphabets for Highway Signs".

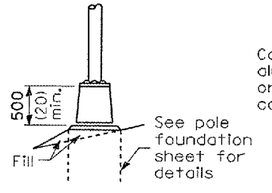
The light pole identification shall be applied to sign base material as specified in section 1085.05 of the Standard Specifications, approximatey **180** (7) above the adjacent pavement grade visible to approaching traffic in accordance with Highway Standard 2319.



BENT # (Looking)

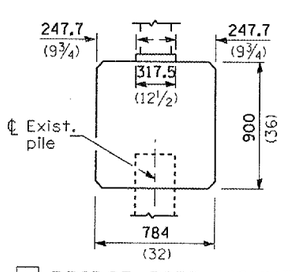


☐ STAINLESS STEEL FLAIR BASE

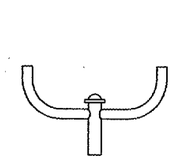


☐ TRANSFORMER BASE

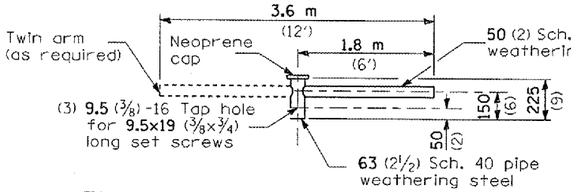
☒ FRANGIBLE



☐ BRIDGE PIER MOUNT

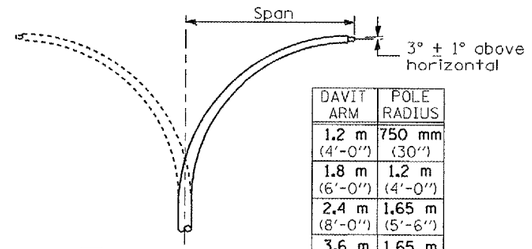


☐ TWIN TENON



☐ TENON MOUNT BRACKET ARM

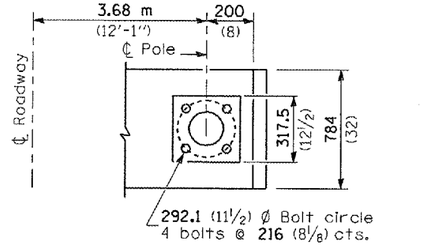
NOTE: Single or twin arm assembly shall be tilted 3° above horizontal.



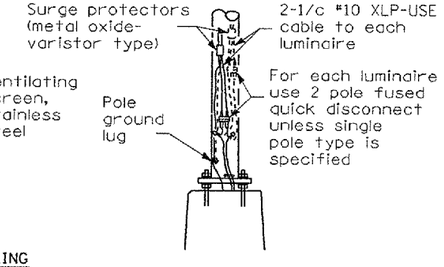
DAVIT ARM	POLE RADIUS
1.2 m (4'-0")	750 mm (30")
1.8 m (6'-0")	1.2 m (4'-0")
2.4 m (8'-0")	1.65 m (5'-6")
3.6 m (12'-0")	1.65 m (5'-6")

☒ DAVIT ARM

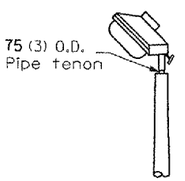
☐ DAVIT ARM-TWIN



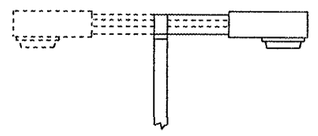
SECTION A-A



☐ ANCHOR

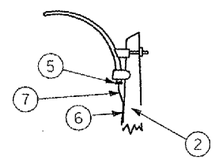


☐ TENON

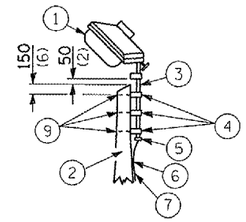


☐ SHORT BRACKET

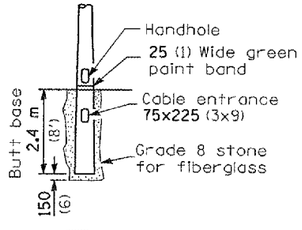
☐ SHORT BRACKET - TWIN



☐ MAST ARM

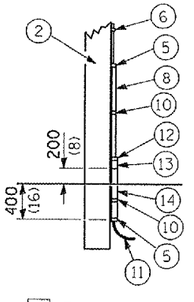


☐ TENON



☐ BUTT BASE

① Luminaire
② Wood pole, class 3 or better
③ 63 (2½) Galv. steel conduit
④ Single offset pole band
⑤ Conduit bushing
⑥ Cable clamps on 600 (24) centers
⑦ 2/c #12 Type use cable
⑧ 25 (1) Galv. steel conduit 3.0 m (10') in length
⑨ 16 (⅝) Ø hot dipped galvanized bolt with flat washer & locknut (3 req'd)
⑩ Conduit clamps on 900 (36) centers
⑪ Unit duct
⑫ Threaded reducer
⑬ "C" Condulet, threaded
⑭ 40 (1½) Galv. steel conduit for 1 unit duct or 75 (3) galv. steel conduit for 2 or 3 unit ducts.



☐ POLE, WOOD

POLE LENGTH	DEPTH IN GROUND
19.8 m (65')	3.6 m (12')
18.0 m (60')	3.0 m (10')
16.8 m (55')	2.7 m (9')
16.0 m (50')	2.4 m (8')
13.7 m (45')	2.1 m (7')
12.0 m (40')	2.0 m (6.5')
10.7 m (35')	1.8 m (6')
9.0 m (30')	1.7 m (5.5')

All dimensions are in millimeters (inches) unless otherwise shown.

☐ METAL OR ☒ CONCRETE

Details for underground distribution if required

POLE STANDARDS

FILE NAME = c:\projects\d582807 (w81\4735\plan.dgn	USER NAME = collierbw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 10/24/2007	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

POLE STANDARDS
LGT008.M32

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323	149L	EDGAR	9	8
		CONTRACT NO. 70656		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		