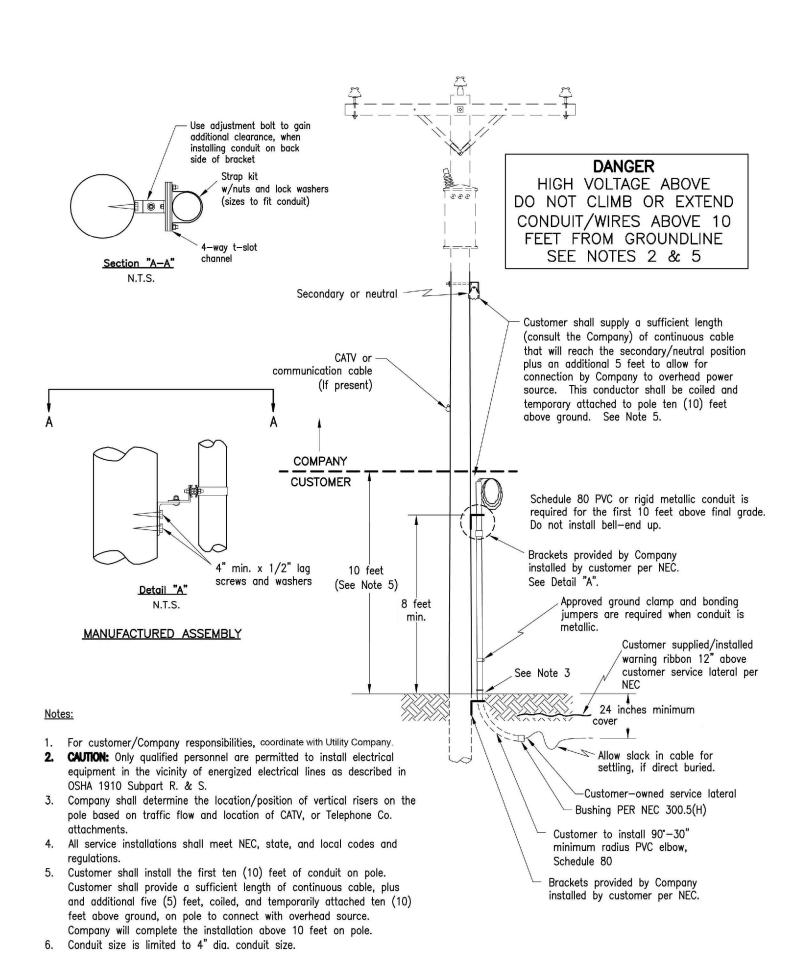
ScuityBrands.

Structural Analysis

According to the Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, 2009 as published by the American Association of State Highway and Transportation Officials.

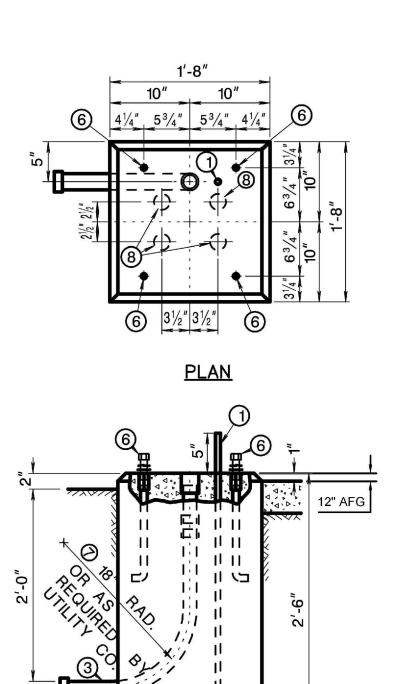
<u>Job Information</u>		Pole Information	
Quote No.:	French & Parrello Associates	Pole No.:	HLA 14 F5J 16D C05 BK
Project/Job Name:	City of Atlantic	Total Height (in):	168
Job Location:	Atlantic City NJ	Material:	Cast Aluminum
Dwg No:		Pole Base Elevation:	0
Customer E-mail:		Pole Weight (lbs):	138.48
Wind Speed:	100		
Gust:	114	Accessories/Banner Arms/Pole Arms	
		Description:	
Luminaire/Arm		EPA (sq ft):	0
Description:	GVD3 P30 40K MVOLT MS GL5 BK ST TBK PR7 AO PCLL L20/PCP 18IN 2A TN BK	Height Above Grade (in):	168
EPA (sq ft):	3.54	Weight (lbs):	0
Vertical Offset (in):	15	Horiz. Offset (in):	0
Weight (lbs):	40	Torsion Offset (in):	0
Hortz. Offset (in):	0		
Torsion Offset (in):	5.4	Anchor Bolt Data	
		Bolt Diameter (in):	0.75
Pole Shaft Data		Threads Per Inch:	10
Shaft Type:	Fluted	Stress Area (sq in):	0.33
Bottom Dia. (in):	5	Yield Strength (psi):	0
Top Dia. (in):	5	Material:	
Length (in):	121	Number of Bolts:	4
Wall Thickness (in):	0.23	CSR:	0.31
Allowable Strength (psi):	13500		
CSR:	0.37		
Pole Base Data			
Bolt Circle Dia. (in):	11		
Allowable Strength (psi):	5000		
CSR:	0.25		
Results			
Base Moment (ft lbs):	3240.69		
Horizontal Shear (lbs):	351.22		
Axial Load (lbs):	272.48		
Shaft:	PASS		
Base:	PASS		
Anchor Bolts:	PASS	Engineer:	
Joining Bolts:			

LIGHT POLE ASSEMBLY STRUCTURAL ANALYSIS



UTILITY COMPANY POLE DETAIL

FIELD VERIFY ALL REQUIREMENTS WITH ATLANTIC CITY ELECTRIC



METER CABINET FOUNDATION TYPE "MCF" DETAIL

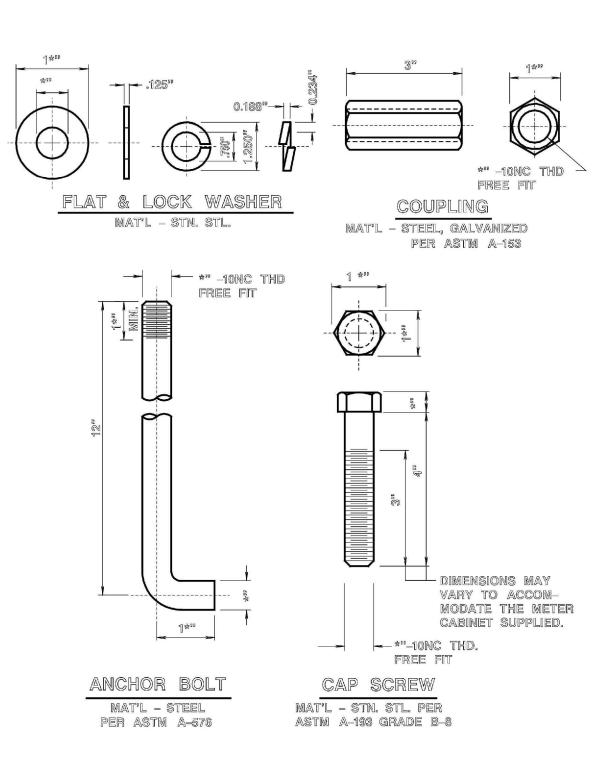
ELEVATION

APPROX.7 CU. FT.

CONCRETE

KEY NOTES

- 5/8" DIAMETER X 12'-0" LONG DRIVEN GROUND ROD.
- 2 NOT USED.
- RIGID METALLIC SERVICE CONDUIT. REFER TO PLANS FOR DIRECTION AND SIZE.
- NOT USED.
- ANCHOR BOLT DETAIL AS SHOWN.
- RADIUS SUBJECT TO APPROVAL BY THE UTILITY COMPANY. COORDINATE WITH MR. SCOT HOOVER AT ATLANTIC CITY ELECTRIC. PHONE: (609) 457-1272
- LOCATIONS FOR DISTRIBUTION CONDUITS FOR NUMBER, SIZE AND POSITION SEE GENERAL PLANS.



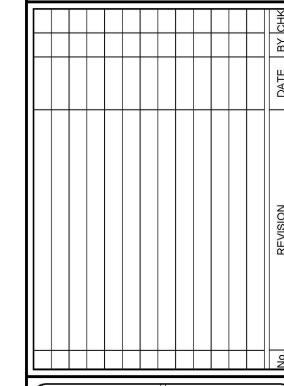
ANCHOR BOLT ASSEMBLY DETAIL 6



PRELIMINARY

PLANS WHICH DO NOT BEAR AN EMBOSSED SEAL ARE NOT VALID.

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E ASSEMBLY .

LIGI SA

Wall, New Jersey 07719 732.312.9800 FRENCH & PARRELLO FPAengineers.com ASSOCIATES New Jersey ▲ New York ▲ Pennsylvania ▲ Georgia

PROGRESS SET NOT FOR CONSTRUCTION AMIN H. GOMAA, PE

PROFESSIONAL ENGINEER, NJ LIC. No. 24GE04842100

DESIGN BY: CHECKED BY: SCALE: AMP AMP AHG AS NOTED SHEET No.: 8-3-2023 13 of **46** JOB No.: 01-02-U-016 E1.0