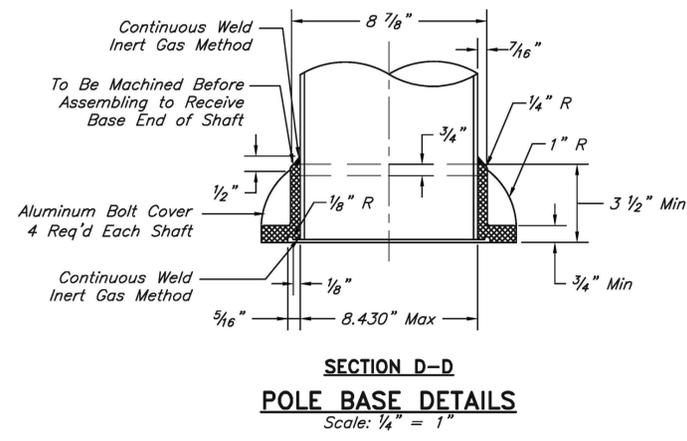
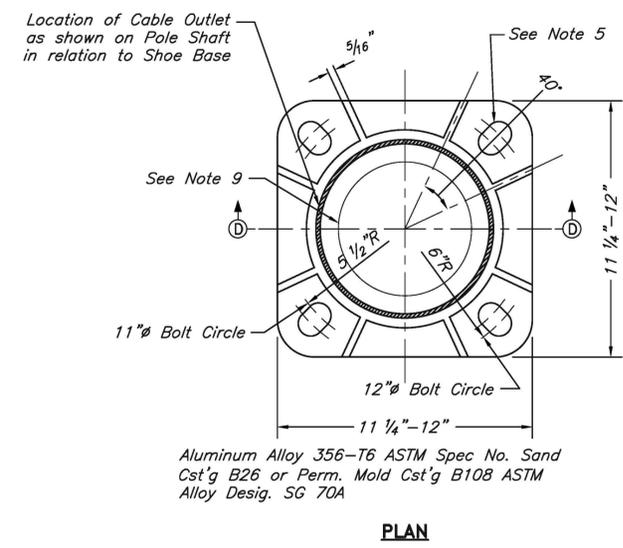
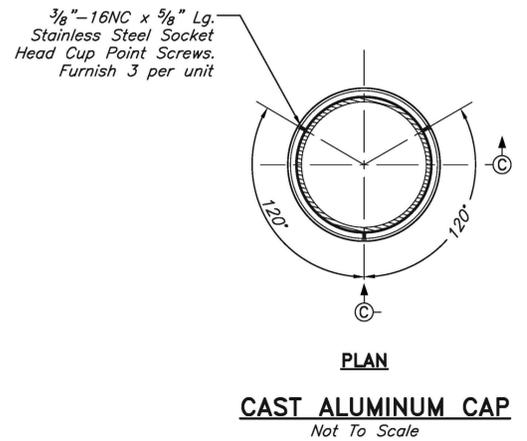
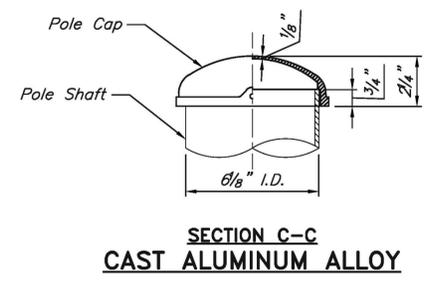
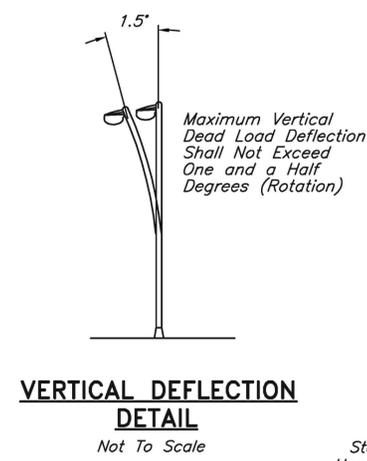


ALUMINUM LIGHTING STANDARD
Scale: 3/4" = 1'

	BY	DATE
MADE	AG	12/2013
TRACED	GS	12/2013
CHECKED	MS	12/2013
SUPERVISED	ALB	12/2013

SCHEDULE 3.1						
LIGHTING STANDARD TYPE					MAX. LUMINAIRE SIZE	
TYPES	# OF LUMINAIRES	SHAFT DIMENSIONS			WEIGHT	PROJ AREA SQ.FT.
		TAPER	MIN. WALL THICKNESS	LENGTH		
L-MG-26	1	8"x6"	.188"	22'	60#	2.5
L-MG2-26	2	8"x6"	.188"	22'	60#	2.5
L-MG3-26	3	8"x6"	.188"	22'	60#	2.5
L-MG-40	1	8"x6"	.250"	37'	60#	2.5
L-MG2-40	2	8"x6"	.250"	37'	60#	2.5
L-MG3-40	3	8"x6"	.250"	37'	60#	2.5



NOTES

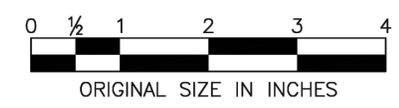
- Certifications shall be furnished that aluminum alloy and temper shown meet requirements as set forth below or as otherwise indicated on drawing. Aluminum castings, permanent or sand mold for pole base, trade designation 356-T6.
- Furnish with each pole:
For luminaire mounting assembly to pole:
All hardware listed on Std. Dwg. E-03A details.
For pole connection to transformer base:
All hardware as shown on Std. Dwg. E-09
- Aluminum lighting standard assembly and all appurtenances shall be designed to support luminaire(s) of the weight and projected area as called for in Schedule 3.1 on this sheet. Schedule 2.1 on Standard Drawing ER-08, and Schedule 4.1 on Standard Drawing ER-09.
- Untapered 8" dia. Section on the 37' shaft will be permitted, but untapered section shall not exceed 25' maximum from base of the shaft.
- For anchor bolt hole details, use TB-A detail as shown on Standard Drawing E-09.
- A ground stud shall be installed opposite the transformer base door.
- Ground-mounted lighting standard assemblies shall be provided with transformer bases, and shall be certified by the FHWA as an approved breakaway roadside hardware device to the most current AASHTO standards.
- Lighting standards shall be designed and manufactured in accordance with the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals (latest edition). Features of design not shown but required for fabrication shall be designed in accordance with codes specified on this sheet.
- Opening shall have a minimum diameter of 6". The geometry shall be determined by the manufacturer.
- All dimensions of castings shall be +1/32" and -0".
- The manufacturer shall supply all hardware which is necessary to install the pole.
- All stainless steel hardware shall be Type 304 in accordance with ASTM A193 Grade B8.
- Provide luminaire mounting assemblies as required by the Contract Plans.
- For poles other than 6" O.D., the luminaire Mounting Assembly I.D. shall be adjusted accordingly. Confirm and coordinate prior to fabrication.
- See Standard Drawing E-03A for pole top luminaire mounting assembly details.

If you use this Standard Drawing:	
You also need	E-01, E-03A, E-08, E-09
You may need	E-11, E-12, BR-15

NEW JERSEY TURNPIKE AUTHORITY
NEW JERSEY TURNPIKE
ALUMINUM LIGHTING STANDARD

HNTB 9 ENTIN ROAD, SUITE 202, PARSIPPANY, NJ 07054 - COA# 24GA28000700
ANTHONY L. BARTELLO
New Jersey Professional Engineer License No. GE 45842

STANDARD DRAWING E-03



APP.	NO.	DATE	REVISION
C	3/2014		CONFORMED DRAWING