

LAMP POLE SPECIFICATIONS:

- HEIGHT: 19'-8" (Pole assembly is two-pieces consisting of a 3'-8" base joined to a 16'-0" upper pole.)
- STYLE: 16 Flat flutes to AL 7" diameter butt. .14" taper per foot
- MATERIAL: 11 Gauge steel
- WEIGHT: Approximately 250 pounds
- TENON: 2-7/8" Diameter x 3" High, per A48-83 class 30 cast iron
- BANNER ARM BUSHING: 1/4" Thick steel plate curved to conform to pole diameter. 1" Pipe banner arm
- ANCHOR BOLTS TO BASE: Ductile iron base: 6-1/2" x 3/4" steel plate welded to round shaft interior 3/4" from base of shaft. Three 3/4" x 3" hardened bolts screwed into captive nuts on upside of plates.

LAMP POLE BASE SPECIFICATIONS:

- HEIGHT: 44"
- STYLE: One-piece (integral pour ductile cast iron)
- MATERIAL: One-piece heavy wall cast iron per A48-83 class 30 ductile
- BASE: 24" Diameter
- WEIGHT: Appx. 400 pounds
- ACCESS DOOR*: Access door (6" x 10-1/2" x 11") to be located in base, secured with two - 3/8" stainless steel buttonhead screws
- ANCHOR BOLTS: (4) 3/4" diameter x 24" + 3" hook (fully galvanized with 2 galvanized nuts and 2 galvanized washers per bolt). Bolts to be torqued to 200 ft-lbs
- BOLT PROJECTION: 4 Required at a 3" minimum height

PAINTING:

- PRIME COAT: Factory to provide a coat of PPG 90-708 Red Inhibitive or Sherwin Williams N42Y100 Marine Yellow
- FINISH COAT PREP: After primer paint is dry and before application of finish coat, lamp pole is to be wiped down with VM&P Naphtha
- FINISH COAT: Factory to provide one powder coat of PPG 90-453 Satin Black finish paint. May use Sherwin Williams F65B4 Semigloss Black

PAINTING NOTES:

- Poles to be given one coat of primer paint at the factory 1.5 to 2 mil Dry Film Finish.
- Poles to be given one powder coat of finish paint at the factory 3 mil Dry Film Finish
- After poles are erected in place, touch up scratches and rust spots using procedures furnished by pole manufacturer
- Manufacturer to furnish university with two gallons of finish paint

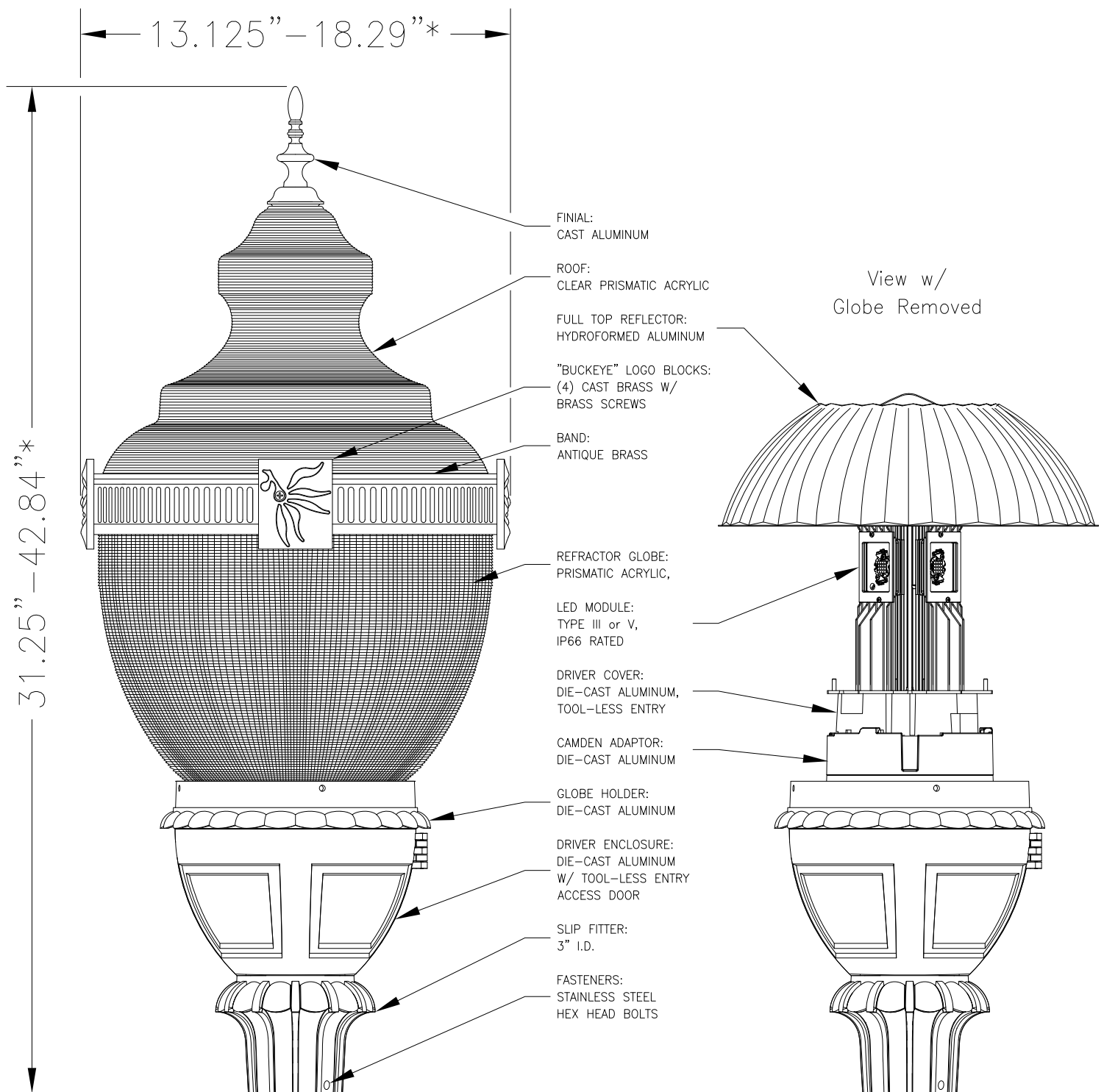
EXISTING POLE REFINISHING PROCEDURE:

The following is to be done to all existing university standard poles being refinished:

- Existing pole to be bead-blasted down to bare metal
- Paint bare metal with Sherwin Williams KEM Bond HS B50NZ3 Red Oxide primer
- Poles to be painted with two coats of Sherwin Williams Industrial Enamel HS B54Z-400 series black high-gloss paint

*Poles located along roadways shall have access doors located 180 degrees away from vehicular traffic. Poles located along green spaces shall have access doors located 180 degrees away from pedestrian traffic

*Align cast bosses for banner arms perpendicular to road.



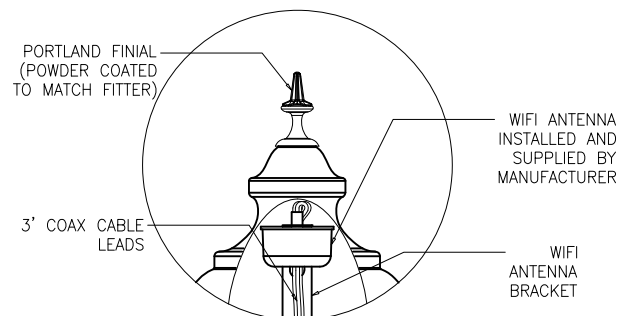
LED SPECIFICATIONS:

- Wattage spec'd to meet BDS photometric requirements, minimum 80 Color Rendering Index (CRI), >80,000 hours of operational life (at 25°C ambient temperature & 70% lumen maintenance), aluminum core pcb, sealed glass lens, IP66 rated, type III or V light distribution.
- Integral LED driver, class 1, IP66 rated, 0–10V dimming capability, 120–277 VAC 50–60 Hz, RoHS compliant, field replaceable 10kV/10kA surge suppression.
- Manufactured to ISO 9001:2008 Standards.

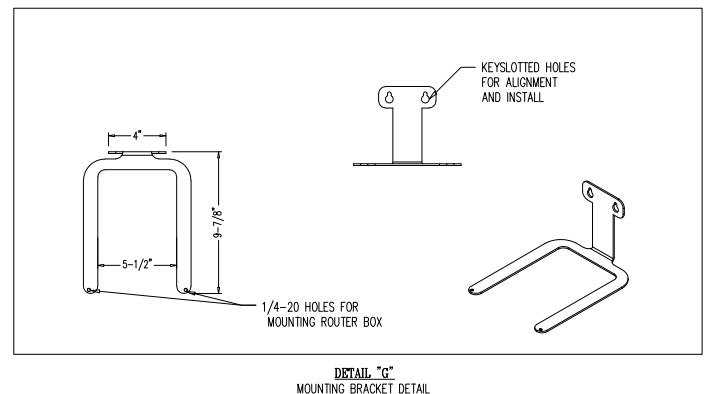
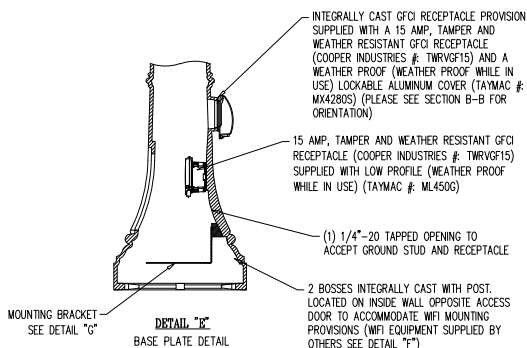
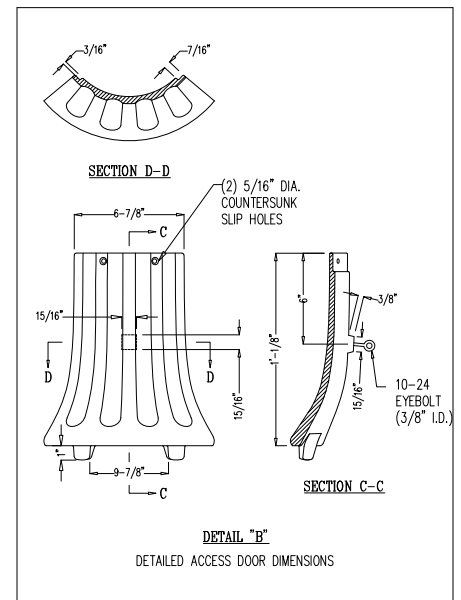
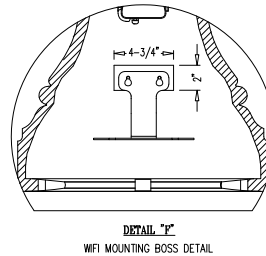
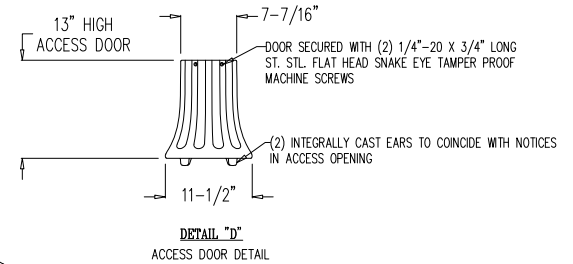
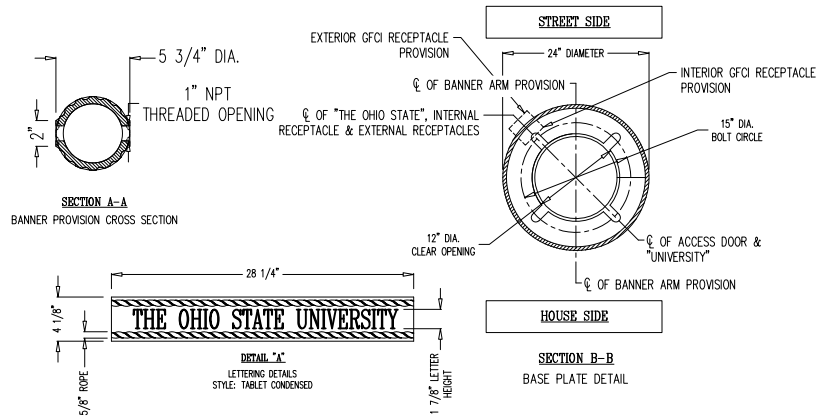
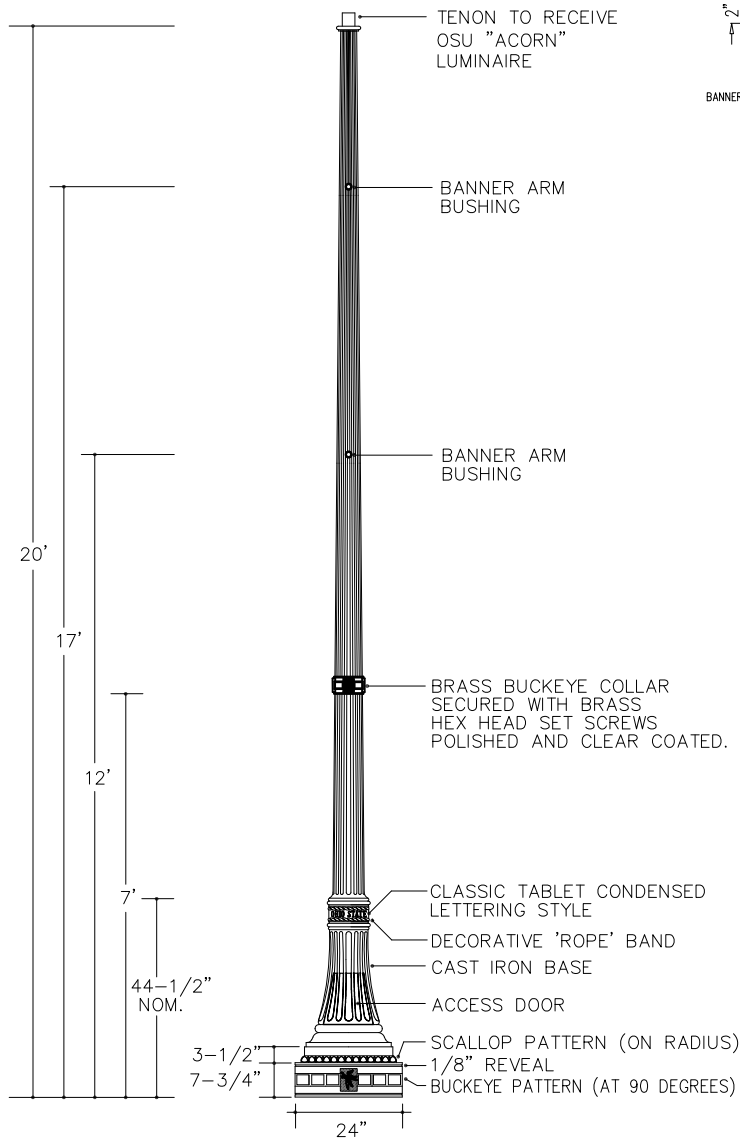
*Globe dimensions to be within this range with a roughly 2:5 ratio

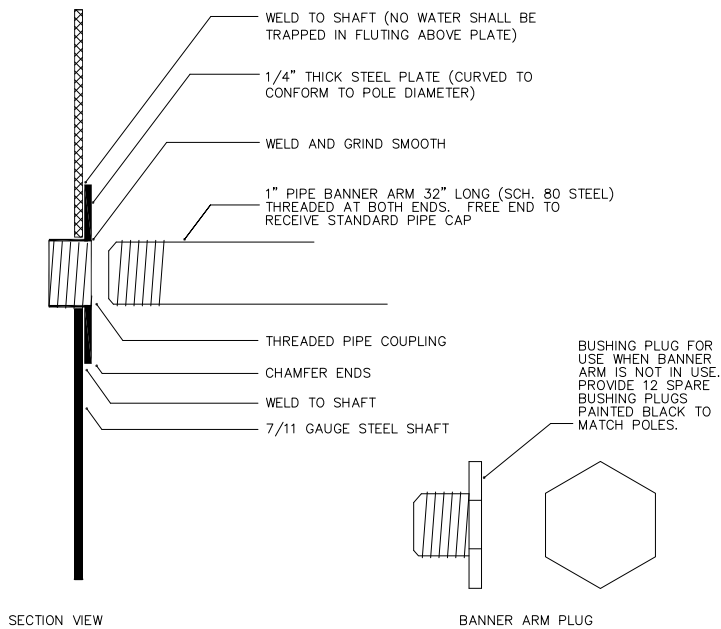
WIFI PARTS:

- WIFI antenna bracket and coax cable provisions
- WIFI antenna installed with 3' leads (supplied by manufacturer)
- (4) 20' Lead supplied by manufacturer

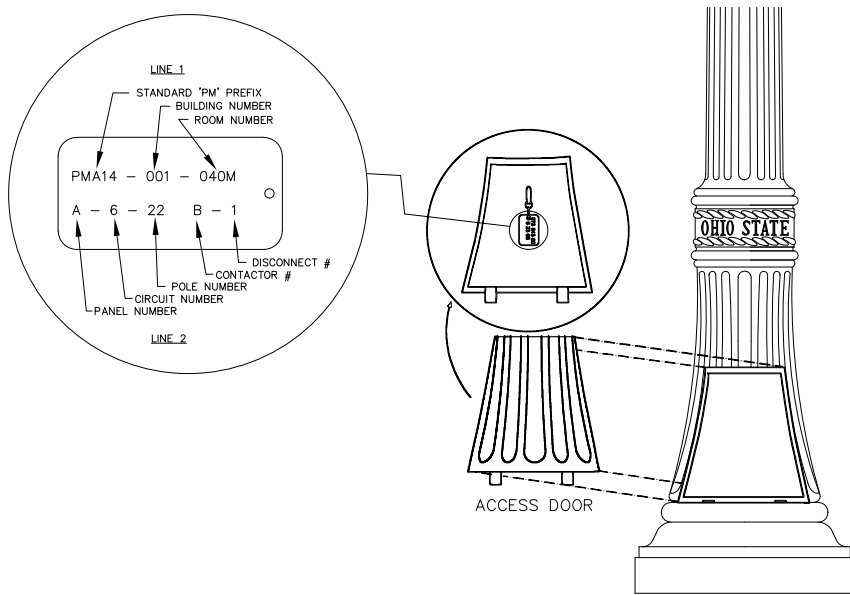


WIFI Antenna Detail





BANNER ARM ASSEMBLY



TAG SPECIFICATIONS – ALL PROJECTS:

Tags shall measure 1-1/2" x 3" with 1/4" radius corners, as shown, with characters no less than 1/8" in height. Standard letter style is Helvetica. Tags shall be made from Phenolic Plastic with engraved white core and a color coded background. Background color shall match university standard coding system for secondary electrical phase conductor systems and shall match phase leg that standard is wired to. Where lighting standard is fed from 2 phases, tag labels shall be bi-color for both phase legs. Tag labels shall be approved prior to engraving. Submit sample for approval prior to installation. The numbering system is as follows:

LINE 1

Standard exterior lighting designation of "PMA14",
The official University building number and
The room number containing the power source (panel).

LINE 2

The panel number,
The circuit/breaker numbering feeding the unit and
The system's designated pole number.
The contractor number,
The disconnect number.

NOTE:

Metal ring clip fastened through access door loop and I.D. tag. All poles, bollards, and wall mounts shall be identified by this system. All poles and bollards to be provided with tags.