

9

BORE UNDER NEW ROAD


2

22

NEW ORNAMENTAL LIGHT  
POLES TO BE INSTALLED

(4) 3/4" X  
HOT DIP  
GALVANIZED  
STEEL ANCH  
BOLTS, 3 1/  
PROJECTION

### LATERN POLE DESIGN



14 W

(14F

(12)

REQUESTER	Date		
CHIEF OF SERVICE	Date	CHIEF OF STAFF	Date
ASSOC. DIR. PATIENT CARE SVC.	Date	ASSOC. DIR. for OPERATIONS	Date
APPROVAL BY: MEDICAL CENTER DIRECTOR			Date

Approved: Chief of Facilities Management Svr.

Location	W.G.(Bill) Hefner Medical Center
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E=102

Department of Veterans Affairs

NOTE: 1. BURIAL DEPTH AND FOUNDATION REQUIREMENTS SHALL BE IN ACCORDANCE WITH CALCULATIONS PERFORMED BY STRUCTURAL/GEOTECHNICAL PROFESSIONAL ENGINEER. COORDINATE ALL WORK WITH ARCHITECT.

3  
E200

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4 POLE BASE DETAIL  
E200 (Z7-Z8)  
NO SCALE

1. POLE

Base shall be cast aluminum. Aluminum shall be certified as pure 356 alloy free of any porosity, foreign materials or cosmetic fillers. Base casting shall be of uniform wall thickness with no warping or mold shifting. Minimum wall thickness shall be .250". The base casting shall have an internal sleeve up to 25" deep (depending on style chosen) to accept the pole shaft. Pole shaft shall be seated into the base sleeve and secured with a threaded cap screw. The pole shaft shall be secured to the base casting by a cap screw at the top of the base to mirror the design of the fluted shaft. There are no exterior welds to finish. The anchor bolt locations in the base shall be cast in place as part of the base casting, for maximum strength. Pole shaft shall be seamless, deep-fluted extruded 6063-T6 aluminum. Cast aluminum access cover shall be secured with two to four tamper proof stainless steel screws.

2. **FINISH**  
Fixture finish shall consist of degreasing, phosphate acid etching with 140\*+ de-ionizing water, rinsed, oven dryoff and top coated with a thermoset TGIC super polyester powder coat finish designed not to chalk or fade .

### 3. ANCHOR BOLTS

Standards 22 feet high or less shall use 1/2" x 18" L-type anchor bolts. Standards higher than 12 feet shall use 3/4" x 24" L-type bolts.

### FINISHES FOR BOTH STREET & ORNAMENTAL LED FIXTURE POLES

**Five Year Powder Coating Warranty**  
Applied powder coatings shall be warranted against peeling, excessive fading and cracking under normal climatic exposure for a period of five years from date of shipment.

I. STANDARD FINISH  
Satin aluminum achieved by rotary sanding, blasting and chemical etching.

II. THERMOSET POWDER PAINT FINISH  
Pretreatment shall consist of degreasing phosphate acid-etching with 140° and de-ionizing water, rinsed and oven dried.

## FINISH COAT

Thermoset TGIC super polyester powder coat finish electrostatically applied, oven cured and bonded at approximately 420° F to a minimum dry film thickness of 1.6 mils. All powders must pass a minimum 3000-hour salt-spray test for corrosion resistance.

HOUSING

The post top shall be core cast aluminum. Aluminum shall be certified as pure #356 alloy, free of any porosity, foreign materials or cosmetic fillers. Castings shall be uniform wall thickness with no warping or mold shifting. Minimum wall thickness shall be 3/16". Electrical components are mounted to the fitter and ballast canister. The ballast canister shall be mounted in the post top with three stainless steel screws. The optional refractor shall be molded of borosilicate glass or an upgraded globe with external refractor designed for either a type III or type V light distribution pattern.

### III. ELECTRICAL

All electrical components and materials shall be UL-recognized and wired by a certified UL technician. Ballast components shall carry the ballast manufacturers limited warranty of two years.