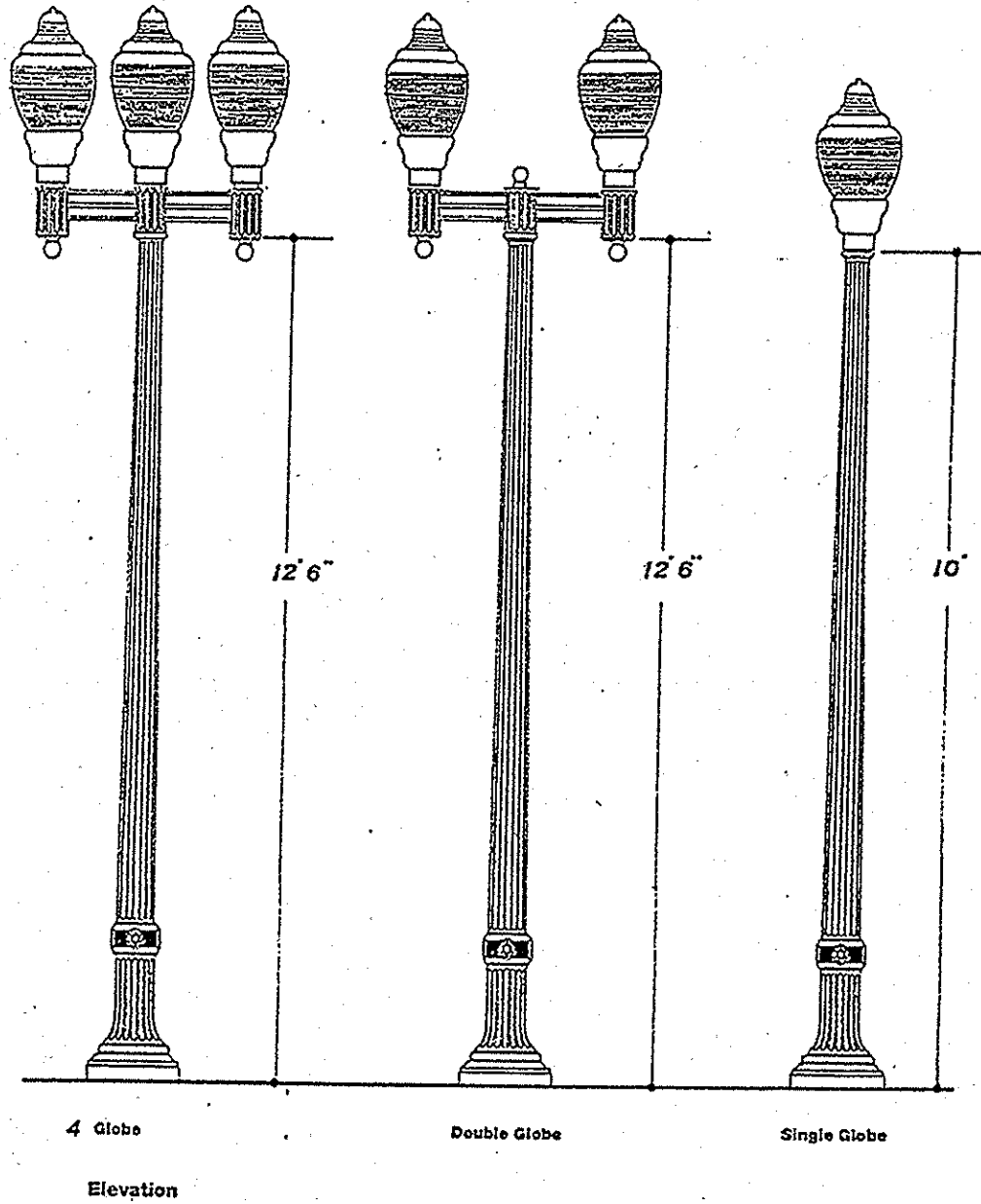
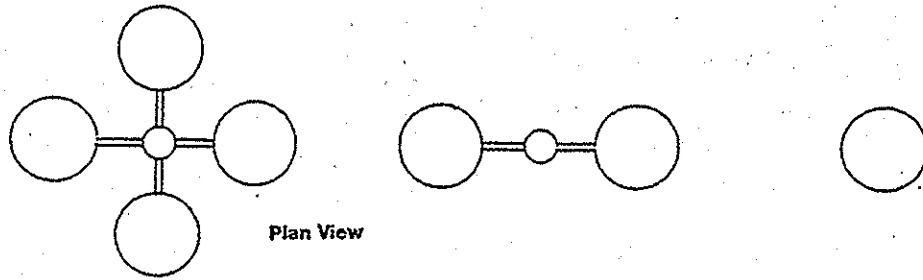


# CAMPUS GUIDELINES



## TYPICAL PEDESTRIAN LIGHT COMBINATIONS

Section - 16521

**Luminaire**

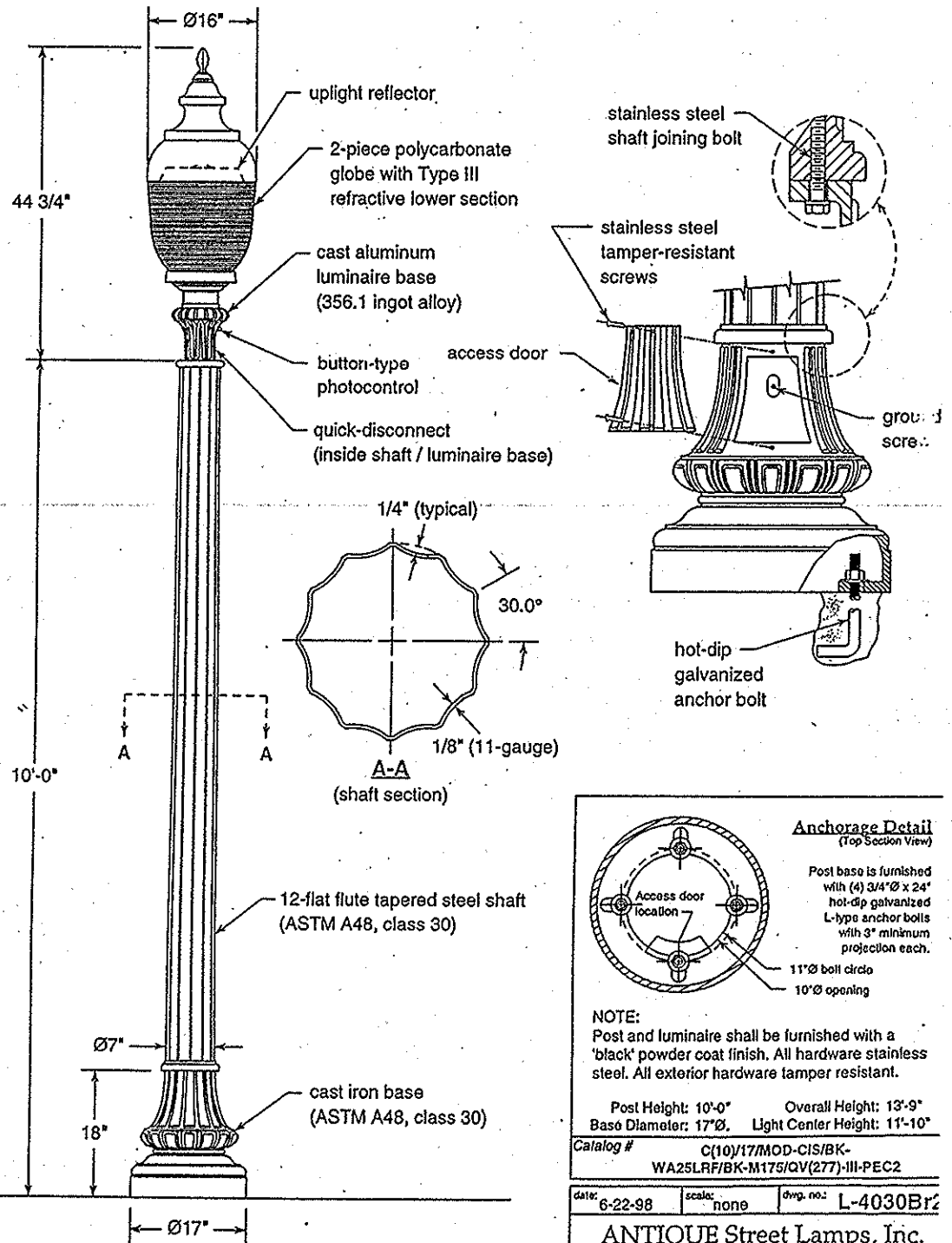
Luminaire shall be 16"Ø x 44 3/4" tall with Type I refractive, polycarbonate acorn globe with finial, and cast aluminum luminaire base.

Luminaire shall be furnished with a high intensity discharge ballast and socket assembly, an intern uplight reflector, and a photoelectric control.

Lamp Type	Mercury Vapor	Metal Halide	High Pressure Sodium	Voltag.
HID Socket Size	□-H50	□-M50	□-S35	□/120
	□-H75	□-M70	□-S50	□/200
□-MED	□-H100	□-M100	□-S70	□/240
□-MOG	□-H175	□-M150	□-S100	□/277
	□-H250	□-M175	□-S150	□/480
		□-M250	□-S250	□/QV

**Post**

Post shall be cast iron and steel construction consisting of a double-tapered and fluted cast iron base, and a 12-flat flute tapered steel shaft with a 3" tenon for luminaire mounting. A door is located in the base for anchorage and wiring access.



**Anchorage Detail**  
(Top Section View)

Post base is furnished with (4) 3/4"Ø x 24" hot-dip galvanized L-type anchor bolts with 3" minimum projection each.

11"Ø bolt circle  
10"Ø opening

**NOTE:**  
Post and luminaire shall be furnished with a 'black' powder coat finish. All hardware stainless steel. All exterior hardware tamper resistant.

Post Height: 10'-0" Overall Height: 13'-9"  
Base Diameter: 17"Ø Light Center Height: 11'-10"

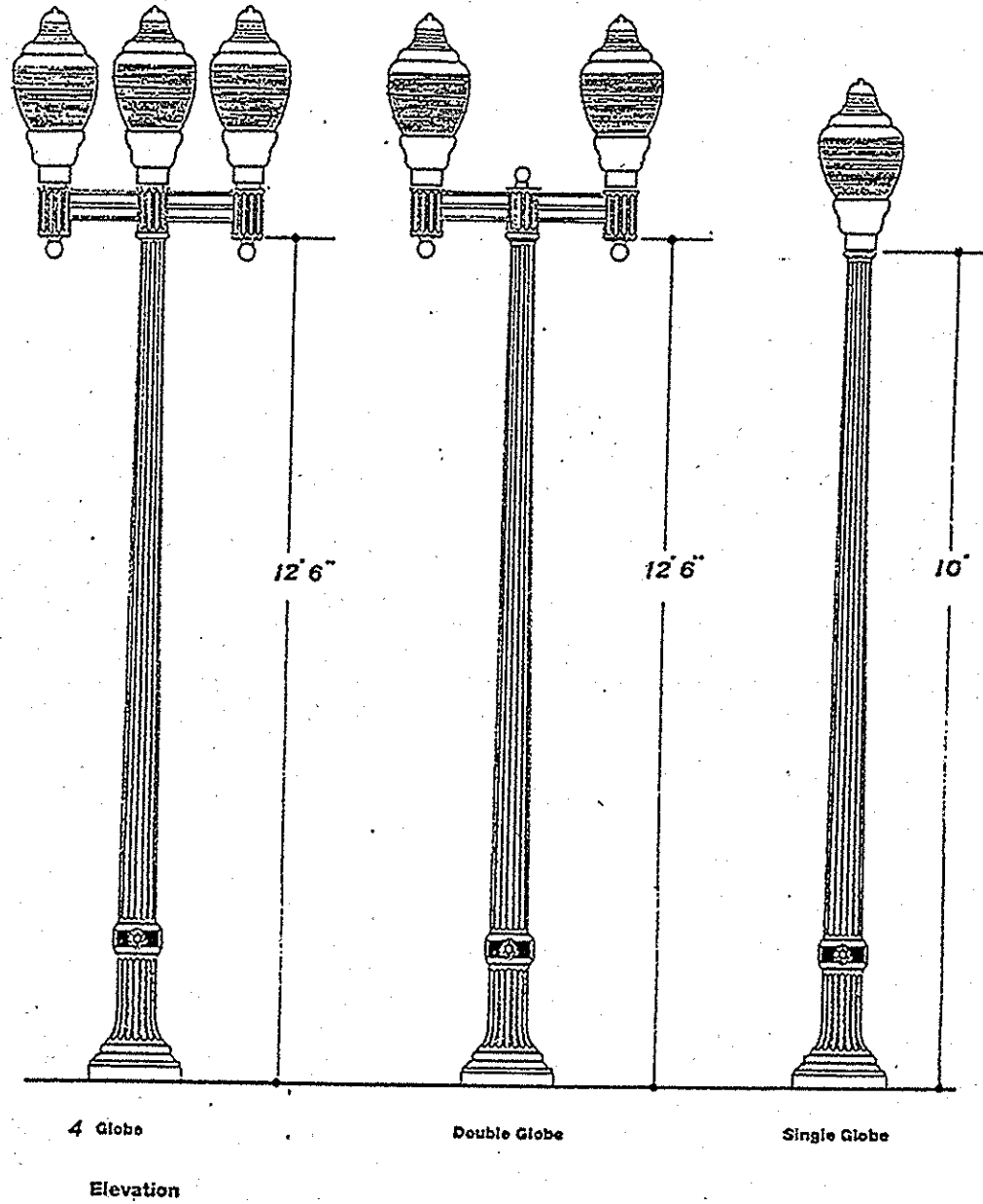
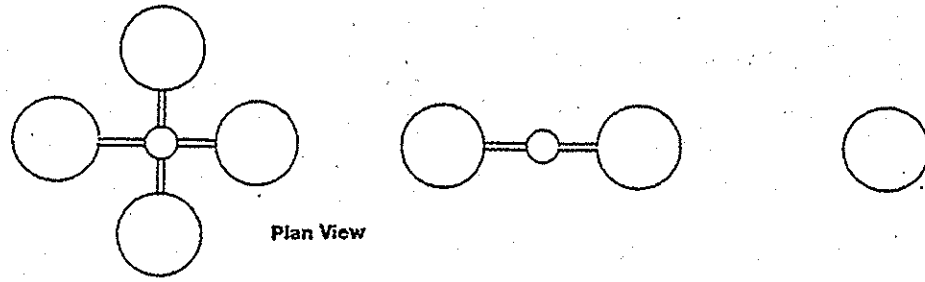
Catalog # C(10)/17/MOD-CIS/BK-WA25LRF/BK-M175/QV(277)-III-PEC2

date: 6-22-98 scale: none dwp. no.: L-4030Br2

**ANTIQUE Street Lamps, Inc.**  
P.O. Box 150279 Austin, TX 78715-0279  
(512) 295-3505 Fax (512) 295-3330

Section 16607

# CAMPUS GUIDELINES



## TYPICAL PEDESTRIAN LIGHT COMBINATIONS

## PEDESTRIAN LIGHTING

### *CRITERIA:*

- a. Lighting design should organize, articulate and enhance the campus setting. Lighting should also enhance safety and security.
- b. Pedestrian lighting should be of a different style, scale and detail from street and parking lot lighting.
- c. Illumination, intensity, quality and distribution should respond to the character and patterns of use. A rule of thumb for illumination of pedestrian walks is 0.2 - 1.0 horizontal footcandles and 0.1 - 0.5 vertical footcandles.
- d. The source of illumination should be concealed. Distracting, uncontrolled glare must be minimized and the lit surface emphasized.
- e. A metal halide bulb should be used for security and aesthetic reasons. This bulb emits a white light which allows better recognition of facial characteristics at greater distances and provides better color representation of architectural materials, cars, clothing, etc.)
- f. Maintenance and cost effectiveness considerations include:
  - Strategic placement of units to optimize light distribution and minimize number of units
  - Limited number of luminaire and pole types
  - Lamp types with superior lamp life ratings
  - Ease of servicing
  - Pole/luminaire height

### *RECOMMENDATIONS:*

- a. Continue use of the existing Martha Washington light fixture throughout campus. A clear luminaire is desired with an internal refractor to hide the light source.
- b. Lamp type should be metal halide (white color), or as a second choice color corrected high pressure sodium (yellow color).

# CAMPUS GUIDELINES

---

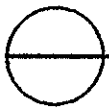
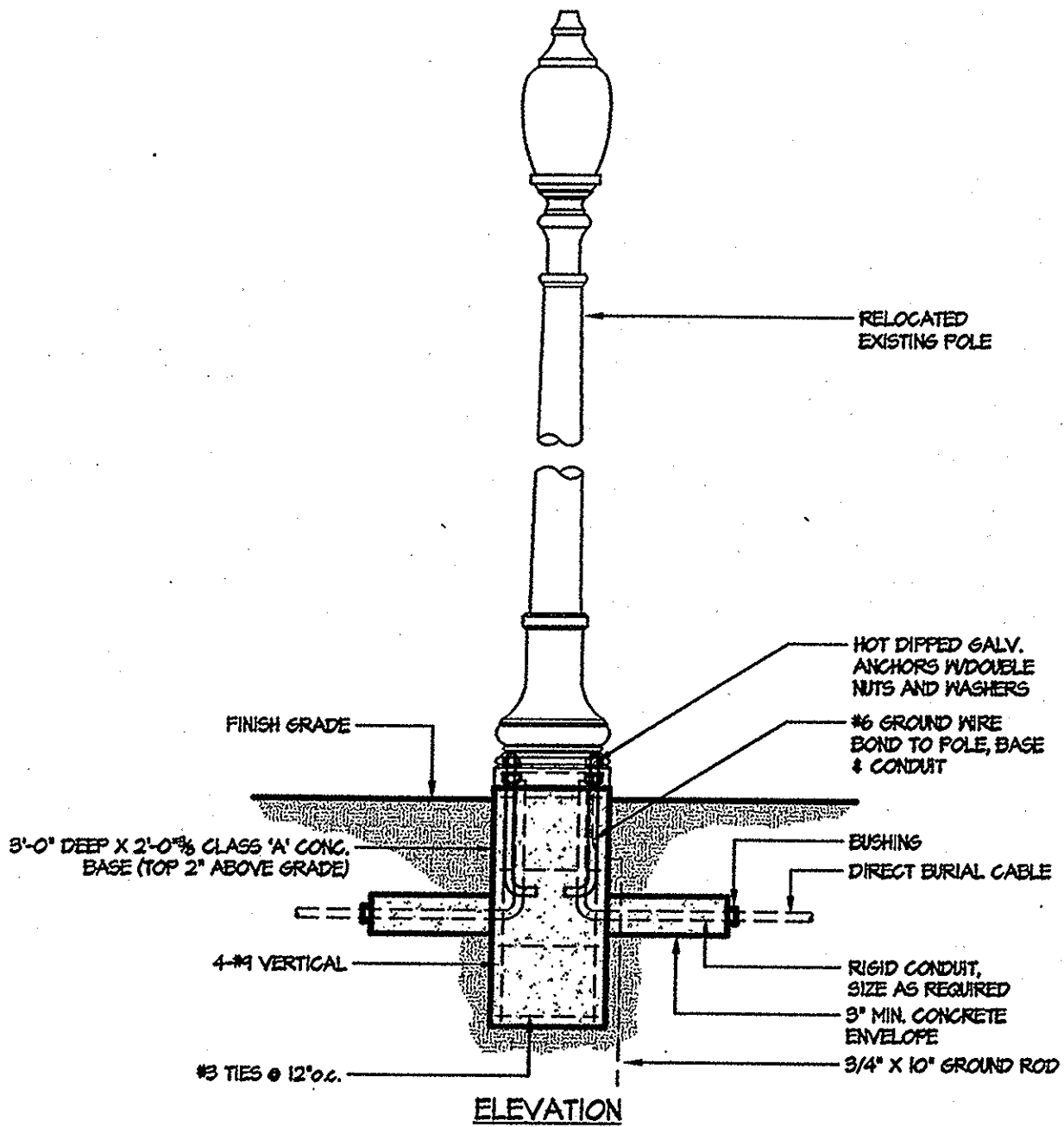
- c. Multiple luminaire configurations should be utilized for special effects where a greater level of detail and attention is desired such as where the North/South Cross-Axial Path approaches the Forum or its gateways at street crossings. When using multiple luminaires, cross arms should be similar to the Philadelphia Series as manufactured by Unique Solutions or other approved manufacturer.
- d. To facilitate lawn maintenance, a concrete maintenance collar should be created at the base of the pole. The collar should be slightly below ground level to allow for mower overhang during lawn cutting, thus minimizing hand-trimming.
- e. Lamp posts should be consistent with those currently utilized on campus. All posts should be painted a flat black color to match other site furnishings.

## *LOCATION:*

- a. Care should be taken in locating the poles to ensure consistent alignments and setbacks (5') from walkway edges. All fixtures should be set plumb and level.
- b. Along the North/South Cross-Axial Path pedestrian path, poles should be located consistent with the unit pavers bands.
- c. Luminaires can be located on top of brick columns such as at the gateways where the North/South Cross-Axial Path crosses campus roads.

## *SOURCE:*

- a. Hadco Acorn Fixture Model No. 007110179, Uconn Stock No. 2416.0196 with fluted pole Model No. FF902, Uconn Stock No. 2637.0125
- b. Lumec - Westminster Series Model NW209



SITE LIGHT FIXTURE DETAIL

N.T.S.

## SP.5 PEDESTRIAN LIGHTING

(See Division 16, Section 16521)

- A. Lighting design should organize, articulate and enhance the campus setting. Lighting should also enhance safety and security.
- B. Pedestrian lighting should be of a different style, scale and detail from street and parking lot lighting.
- C. Utilize the "Martha Washington" luminaire style which is currently in use on campus. A clear luminaire is desired with an internal refractor to hide the light source. Internal optics should utilize the latest available technology. Reflectors should direct light to the walkways except where special effects are desired by the lighting designer.
- D. Multiple luminaire configurations should be reserved for special effects where a greater level of detail and attention is desired.
  - 1. When utilizing multiple luminaries, cross arms should be similar to the Philadelphia Series as manufactured by Unique Solutions or other approved manufacturer.
- E. Illumination, intensity, quality and distribution should respond to the character and patterns of use. A rule of thumb for illumination of pedestrian walks is 0.2 - 1.0 horizontal foot-candles and 0.1 - 0.5 vertical foot-candles.
- F. A metal halide bulb should be used for security and aesthetic reasons. This bulb emits a white light, which allows better recognition of facial characteristics at greater distances and provides better color representation of architectural materials, cars, clothing, etc.
- G. Lamp posts should be consistent with those currently utilized on campus (i.e., similar to the North Yorkshire model manufactured by Unique Solutions). All posts should be painted a flat black color to match other site furnishings (i.e., trash receptacles, benches & Ballard's).
- H. A concrete maintenance collar shall be provided at the base of any pole placed in a lawn to facilitate lawn maintenance. The base should be slightly below ground level to allow for mower overhang during lawn cutting, thus minimizing hand-trimming.
- I. Care should be taken in locating the poles to ensure consistent alignments and setback from walkway edges. All fixtures should be set plumb and level.

Section 16521

Capitol Series  
Cast Iron & Steel Post

**Luminaire**

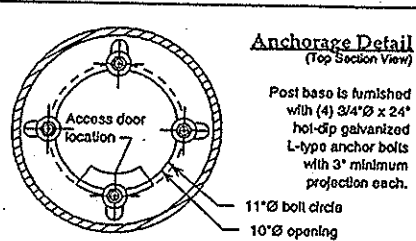
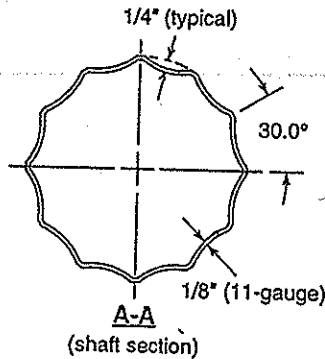
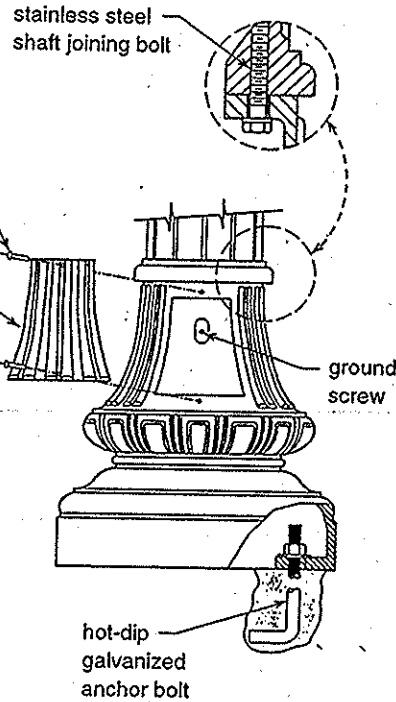
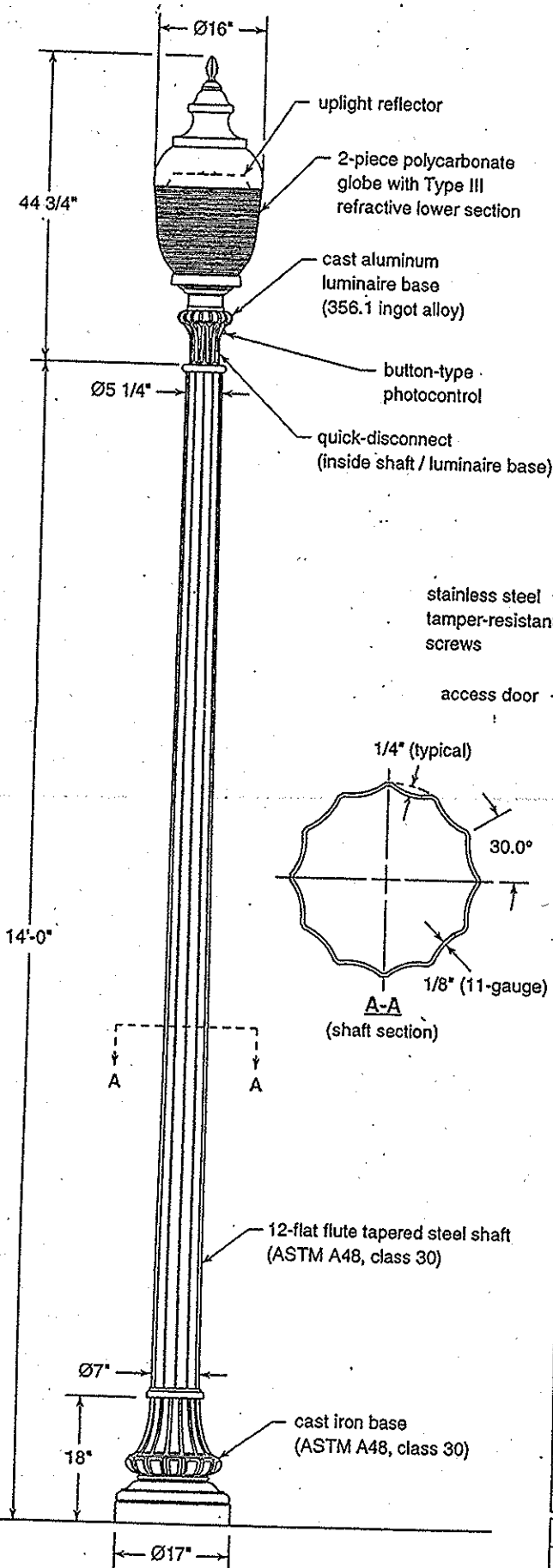
Luminaire shall be 16"Ø x 44 3/4" tall with Type III refractive, polycarbonate acorn globe with finial, and cast aluminum luminaire base.

Luminaire shall be furnished with a high intensity discharge ballast and socket assembly, an internal uplight reflector, and a photoelectric control.

Lamp Type	Mercury Vapor	Metal Halide	High Pressure Sodium	Voltage
<b>HID Socket Size</b>	□-H50	□-M50	□-S35	□/120
	□-H75	□-M70	□-S50	□/208
□-MED	□-H100	□-M100	□-S70	□/240
	□-H175	□-M150	□-S100	□/277
■-MOG	□-H250	□-M250	□-S150	□/480
			□-S250	□/480

**Post**

Post shall be cast iron and steel construction consisting of a double-tapered and fluted cast iron base, and a 12-flat flute tapered steel shaft with a 3" tenon for luminaire mounting. A door is located in the base for anchorage and wiring access.



**Anchorage Detail**  
(Top Section View)

Post base is furnished with (4) 3/4"Ø x 24" hot-dip galvanized L-type anchor bolts with 3" minimum projection each.

**NOTE:**  
Post and luminaire shall be furnished with a 'black' powder coat finish. All hardware stainless steel. All exterior hardware tamper resistant.

Post Height: 14'-0" Overall Height: 17'-9"  
Base Diameter: 17"Ø Light Center Height: 15'-10"

Catalog # C(14)17/MOD-CIS/BK-WA25LRF/BK-M175/QV(277)-III-PEC2

date: 6-22-98 scale: none dwg. no.: L-4030Ar3

**ANTIQUE Street Lamps, Inc.**