

**ITEM 0310801**

**ORNAMENTAL POLE CROWN**

**DESCRIPTION**

Work under this item shall consist of furnishing and installing ornamental pole crowns to fit around the tops of span poles and mast arms at the locations shown on the plans or as directed by the Engineer in conformity with these specifications. Ornamental pole crowns shall be as manufactured by Pelco Products, Inc. or approved equal.

**REFERENCED ITEMS**

None

**REQUIRED SUBMITTALS**

Material Certificate of Compliance:

Submit 5 copies of material certificate of compliance for pole crowns in accordance with the contract general requirements.

Shop Drawings:

Submit 5 copies of shop drawings for pole crowns in accordance with the contract general requirements.

**MATERIALS**

All ornamental pole crowns shall be cast from aluminum alloy 319 or approved equivalent, free from voids, pits, dents, molding sand and foundry grinding marks. All design radii shall be smooth and intact. Exterior surface finish shall be smooth and cosmetically acceptable, free of molding fins, cracks and other exterior blemishes.

Ornamental pole crowns shall be fabricated from aluminum ingot with the following minimum requirements:

Aluminum Alloy	319
Yield Strength, KSI	18
Tensile Strength, KSI	27
Brinell Hardness	70

Elongation (% in 2 inches) 2

The ornamental pole crown shall be fabricated with dimensions and design characteristics as shown in this specification.

**CONSTRUCTION METHODS**

All manufacturer instructions shall be adhered to in the installation of decorative pole crowns. All instructions shall be furnished to the Engineer prior to installations for review and comment.

Crown segments shall be welded together by the manufacturer to create a single ornamental member.

The adapter pole cap shall be drilled and tapped for a minimum of three (3) .25"-20 setscrews. (When installed, the top of the pole shall be drilled so as to allow the setscrews to penetrate pole to prevent uplift or walking).

The 6" gold ball shall have 1/2"-13 x 4" stud and nut on one end for attachment to the pental.

The ornamental pental shall be tapped 1/2",-13 on top to accommodate 6" ball.

Ornamental crown shall have an alodine conversion coating to provide proper base for paint. The color of the entire assembly shall be as shown on the plans, or as approved by the engineer.

**METHOD OF MEASUREMENT**

Work under these items will be measured for payment by the actual number of Ornamental Pole Crowns, of the type specified, installed and accepted in place at each pole with necessary appurtenances.

**BASIS OF PAYMENT**

This work will be paid for at the contract unit price for "ORNAMENTAL POLE CROWN", which price shall include all materials, tools, equipment, labor and work incidental thereto.

<u>PAY ITEM</u>	<u>DESCRIPTION</u>	<u>PAY UNIT</u>
0310801	Ornamental Pole Crown	EA