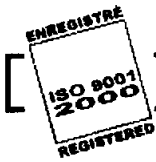
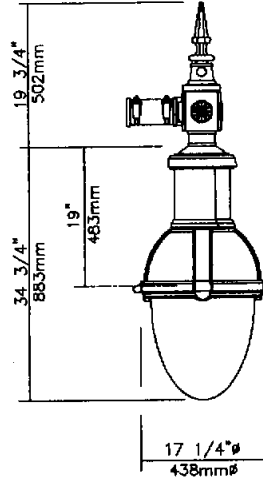


ZONING

140 Attachment 3

Appendix 1 Lighting Fixture Specifications



Qty	1	Luminaire	RN20-250MH-THA3-GL-240-SMA-PH8-BKTX
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Description of Components:

Hood: Cast 356 aluminum dome, mechanically assembled on the luminaire.

Globe: (GL), One-piece, seamless, injected-molded borosilicate glass globe having an inner prismatic surface complete with a semi-prismatic house side shield and external glare softening prisms. The globe is mechanically assembled on the access-mechanism.

Lamp: (not included), 250 Watt Metal Halide (ANSI Code M58), ED 28 bulb, mogul base.

Optical System: (THA3-GL), I.E.S. type III hyper-extensive (asymmetrical). Horizontal lamp position in a fifteen-degree angle. Sealsafe system, composed of brightened anodized aluminum hydroformed reflector, permanently assembled on a refractor globe. Weathertightness IP66 rating. This assembly is toolfree removable from the technical ring.

Ballast: High power factor of 90%. Primary voltage 240 volts. Lamp starting capacity -20° F. (-30° C.) degrees. Assembled on a unitized removable tray with quick disconnect plug.

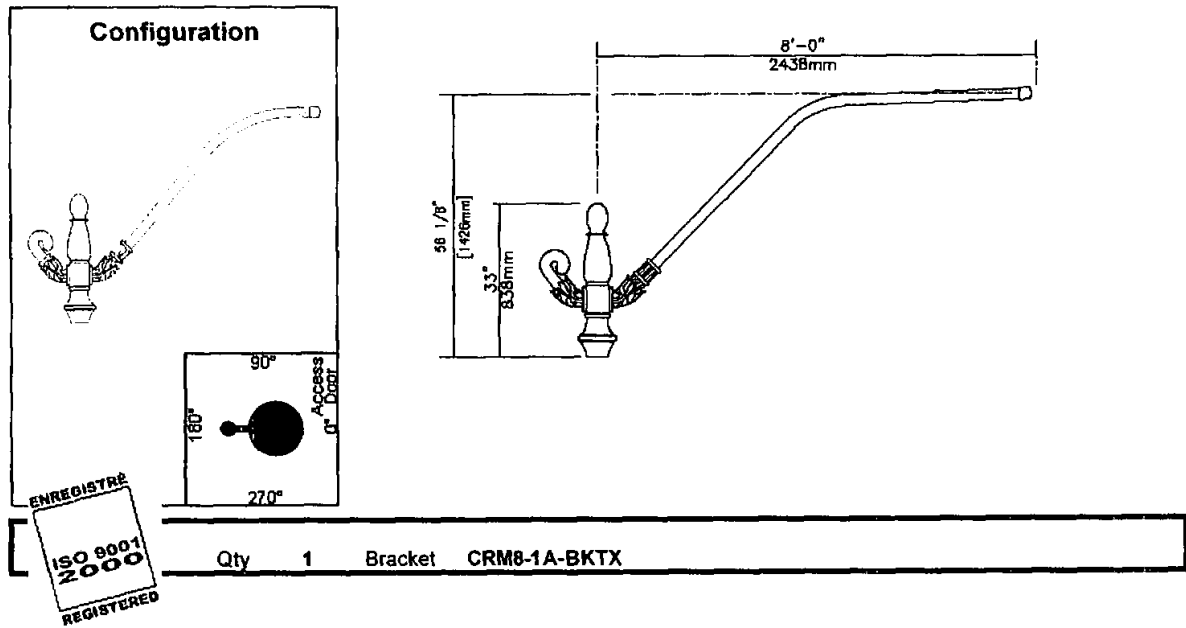
Access-Mechanism: A die cast 356 aluminum frame with latch and hinge. The mechanism shall offer toolfree access to the inside of the luminaire. An embedded memory-retentive gasket shall ensure weatherproofing.

Housing: In a round shape, this housing is made of die cast A380 aluminum, mechanically assembled.

Adaptor: (SMA), Made of cast 356 aluminum, mechanically assembled to the bracket. Can be mounted on a 0.66 inch (42 mm) to 2.38 inches (60 mm) outside diameter bracket arm tubing that slip fits 6.5 inches (165 mm) long inside the adaptor.

Luminaire Options: (PH8), Photoelectric Cell, Twistlock Type.

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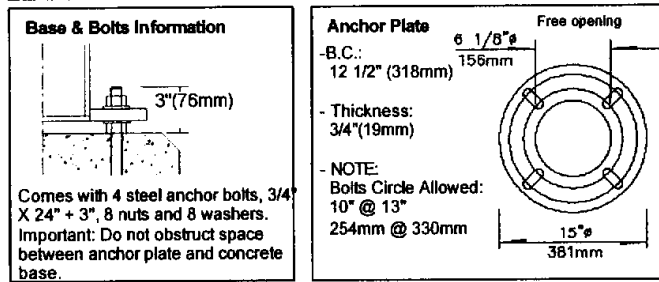
Description of Components:

Arm: Shall be made from bent steel tubing, 2 3/8 inches (60 mm) outside diameter, welded to the central tubing.

Decorative Element: Decorative cast 356 aluminum cover, mechanically assembled.

Central Tubing: Made of steel tubing, 3 1/2 inches (89 mm) outside diameter. Mechanically assembled to the pole tenon.

ZONING



Qty	1	Pole	R90D-18-IP-BKTX
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Description of Components:

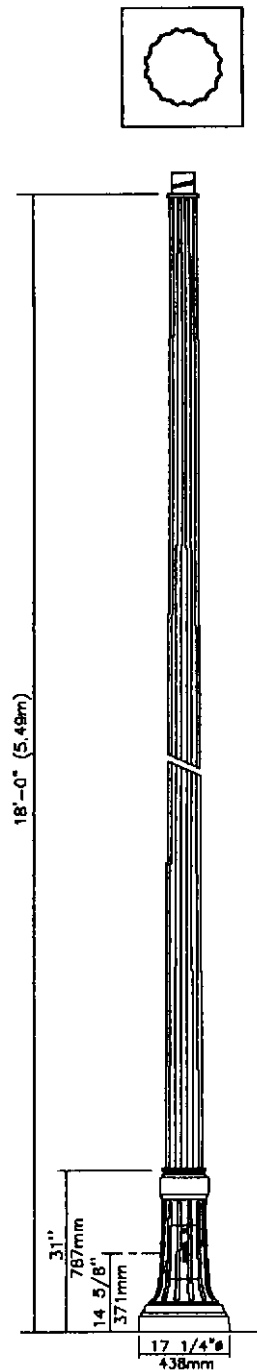
Pole Shaft: Shall be made from a 16 fluted round mandrel-formed high tensile carbon steel tapered shaft, having a 0.120 inches (3.0 mm) wall thickness, welded to the pole base.

Pole Base: Shall be made from a 6 5/8 inches (168 mm) round high tensile carbon steel tubing base having a 0.180 inch (4.6 mm) wall thickness, welded to both the bottom and top of the anchor plate.

Maintenance Opening: The pole shall have a four inches by nine inches (102 mm by 229 mm) maintenance opening centered 14 5/8 inches (371 mm) from the bottom of the anchor plate, complete with a weatherproof cast 356 aluminum cover and a copper ground lug.

Base Cover: Two pieces round base cover made from cast 356 aluminum, complete with a cast-in access door, mechanically fastened with stainless steel screws.

Pole Options: (IP), The pole inner wall will be painted.



STRABAN CODE

Miscellaneous

Description of Components:

Wiring: Gauge (# 14) TEW wires, six inches (152 mm) minimum exceeding the bracket.

Hardware: All exposed screws will be in stainless steel. All seals and sealing devices are made and/or lined with EPDM and/or silicone.

Finish: Color to be black textured (BKTX). Application of a polyester powder coat paint. (4 mils/100 microns). The chemical composition provide a highly durable UV and salt spray resistant finish in accordance to the ASTM-B117-73 standard and humidity proof in accordance to the ASTM-D2247-68 standard.

To enable all tenders to be judged equitably, they shall be based on the specified products in this document and shown on the drawings.

- a) The proposal for any substitute products must be attached to their tender separately, identifying the substitute product by its trade name along with any savings it may represent.
- b) Following the opening of the tender, only those substitutes proposed by the lowest bidder of the specified products will be considered.
- c) All substitute approval requests shall be accompanied by manufacturing drawings, complete with photometric data produced by an independent laboratory.
- d) Each substitute sample must be presented to the owner/consultant within seven days following the opening of tenders. The sample must be completely operational. After this time, the bidder will be required to supply the original specified product.
- e) The owner/consultant reserves the right to grant or deny approval for proposed substitutions without prejudice to his rights and his decision shall be final.

The above conditions apply to this section independently of any other clauses on the subject found in this document.

ZONING

