

Project location:			
Project name:			
Model #:	8170.001	Date	

DESCRIPTION

Compliance:

- Compliant with AASHTO 2015 standard.
- Design for wind speed 180 MPH.

* design criteria: 2020 Florida Building Code, Risk Category II, Exposure.

Description

Modular post in UNI EN 1561 cast iron, UNI EN 1563 nodular cast iron and steel, with core in S355J UNI EN 10219-1 steel, hot-galvanized to UNI EN ISO 1461 standards, corresponding in shape, size and ornamentation to the diagrams, which are an integral part of the specifications.

The core (A) is made up of three tubes of different cross-sections, according to the internal diameter of the cast iron elements (diam. 5 2/4" x 3' 11 1/4" - diam. 3 2/4" x 8" - diam. 2 1/4" x 3' 11 1/4"), welded together at their junctions (B).

It is suitable for flange fixing (diam. 10 2/4" - thickness 3/4") on a foundation plinth (P). It is provided with an M10 earthing bolt marked by a small indicator plate, a slot (C - h. 7 1/4" x 1 3/4") for the installation of a Class II insulation terminal board with or without fuse (Conchiglia) and at the top a bush with a 1 1/4" GAS thread, with reduction (1 1/4"- 3/4") and a galvanized steel tube (Z) with a 3/4" GAS thread used to secure the various cast iron elements and to attach the light fixture.

The cast iron and steel post is made up of a number of elements that are fitted over each other so as to prevent water infiltration.

The elements are as follows:

1°) Base in cast iron, height 5' 4 1/4" and bottom diameter 22 3/4". with a tapered section (F) terminating in a slanted plane at an angle of 30° and decorated with a large leaf wound in a spiral. The base has an inspection hatch (E - 4 3/4" x h. 11 3/4").

2°) Tapered column (height (10' 5 1/4", lower diam. 6 2/4", top diam. 3 2/4") in steel hot-galvanized. The lower end of the column also has a slanted plane at an angle of 30°. At the bottom the column has an internal flange that ensures correct angular and axial position with respect to the base (element 1). When the column and the base (element 1) are assembled, there is a gap of around 1 cm between the slanted planes.

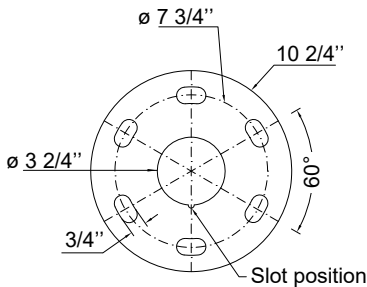
3°) A tapered capital in nodular cast iron (height 9 3/4", lower diam. 3 2/4", top diam. 9"), fixed to the 2° column with two M10 stainless steel grubscrews (D). Rotation is prevented by an M8 stainless steel bolt (G) that penetrates into a slot in the core (A).

The total height is 16' 1".

Protection of surfaces

Please refer to the specification on painting procedures of the materials.

Flange detail



DRAWINGS

