

FIRST VANE DETAIL

benesch

Notes:

All cast iron parts shall be gray iron conforming to the requirements of AASHTO M 105, Class 35B.

Bolts, anchor studs, washers and nuts shall conform to the requirements of ASTM A 307 and shall be galvanized according to AASHTO M 232.

Downspouts located on the exterior side of a fascia beam shall be painted under a separate painting contract.

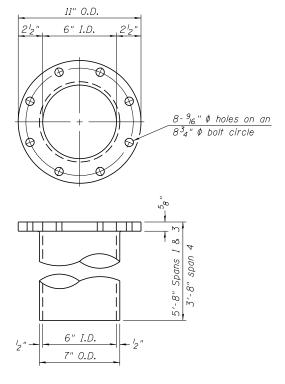
As an alternate, bolts, anchor studs, washers and nuts may be stainless steel according to Article 1006.29(d) of the Standard Specifications.

Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frame. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval. Structural steel weldments shall not be substituted for the cast iron scupper grate. Structural steel frames and downspouts shall be galvanized according to AASHTO M111.

The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.

Cost of the Grate, Frame, Downspout, Anchor Studs, Bolts, Washers and Nuts including complete installation of the scupper shall be paid for at the contract unit price each for Drainage Scupper, DS-33.

Alternate fiberglass downspout conforming to ASTM D 2996 with a short-time rupture strength hoop tensile stress of 30,000 psi min. may be used in lieu of the cast iron or steel equivalent.



DOWNSPOUT

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scupper, DS-33	Each	3

Alfred Benesch & Company 205 North Michigan Avenue, Suite 2400 Chicago, Illinois 60601 DS-33 7-1-10 USER NAME = jsurber DESIGNED -JDM REVISED TOTAL SHEET SHEETS NO. SECTION COUNTY DRAINAGE SCUPPER, DS-33 STATE OF ILLINOIS CHECKED -GJK REVISED COOK 821 348 372 2013-038B-R STRUCTURE NO. 016-2455 162455_60J16_022_scupper_DS-33.dgn DRAWN MAK REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 60J16 PLOT DATE = 12/20/2013 CHECKED REVISED SHEET NO. SC22 OF SC35 SHEETS JDM

SECOND VANE DETAIL