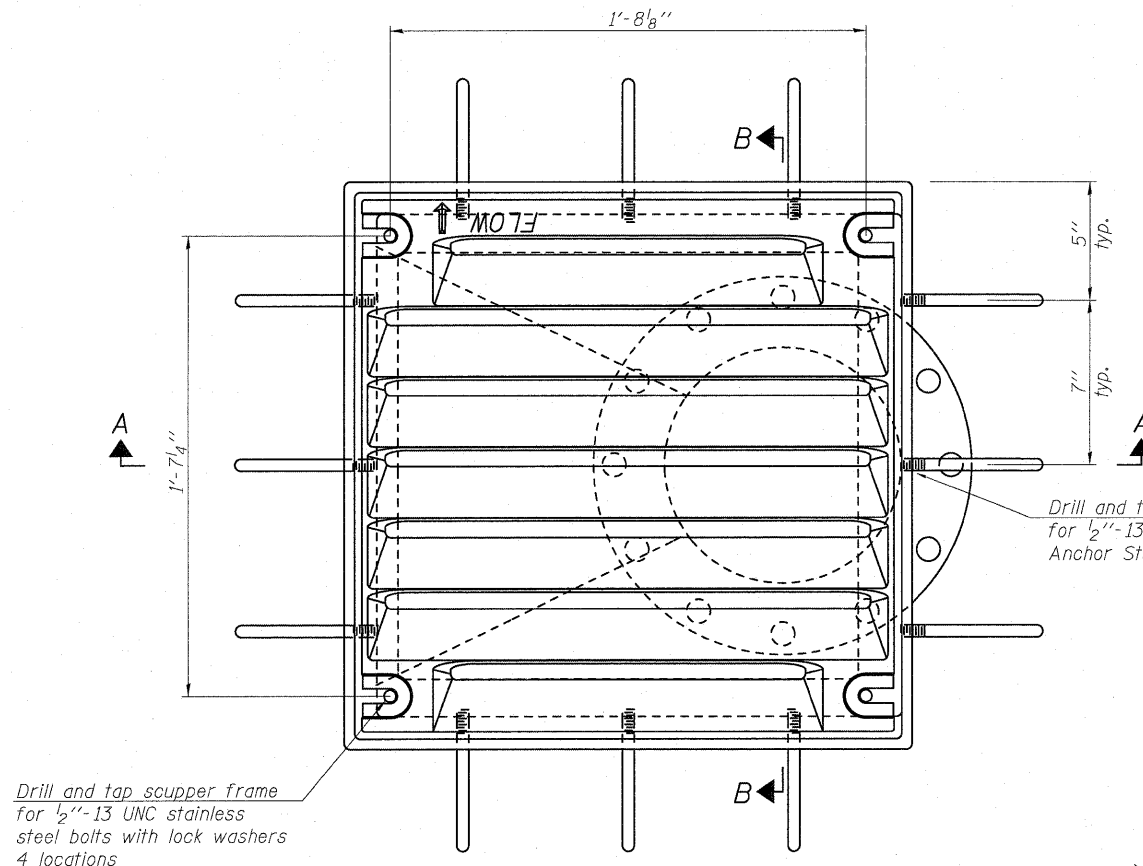
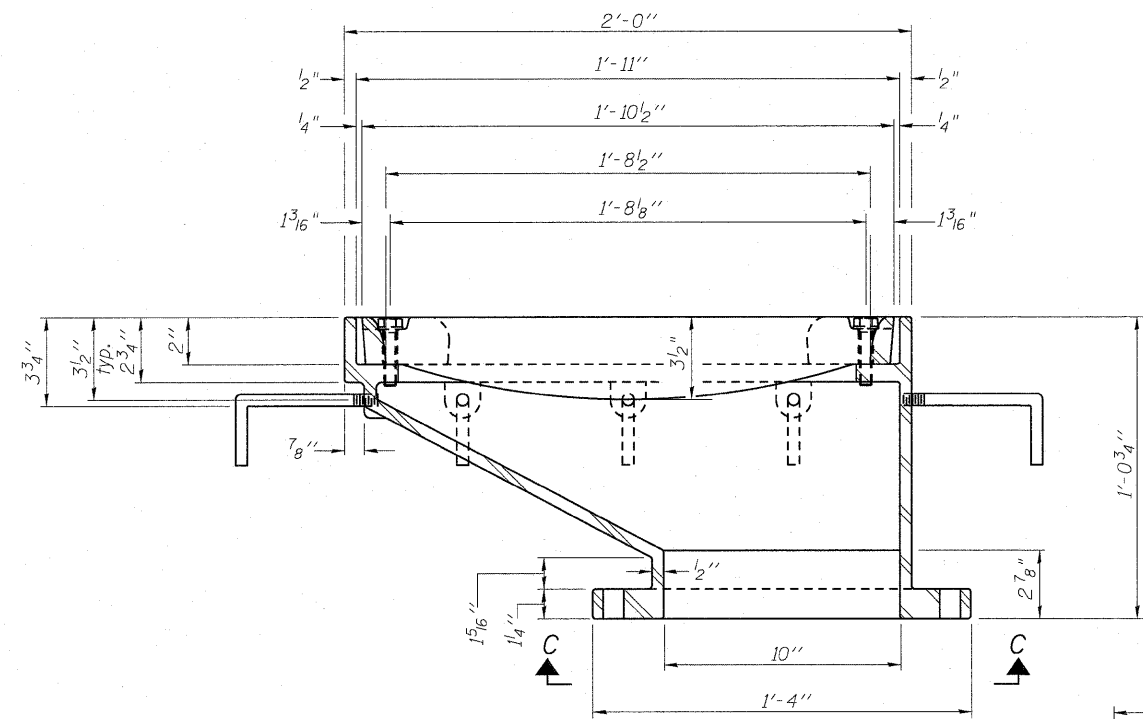


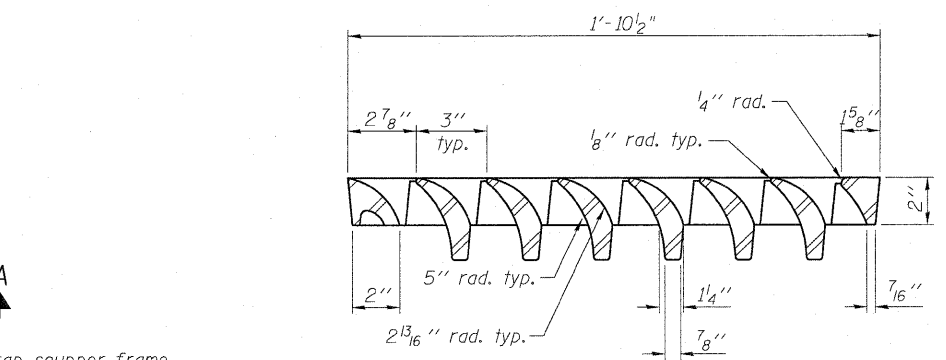
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



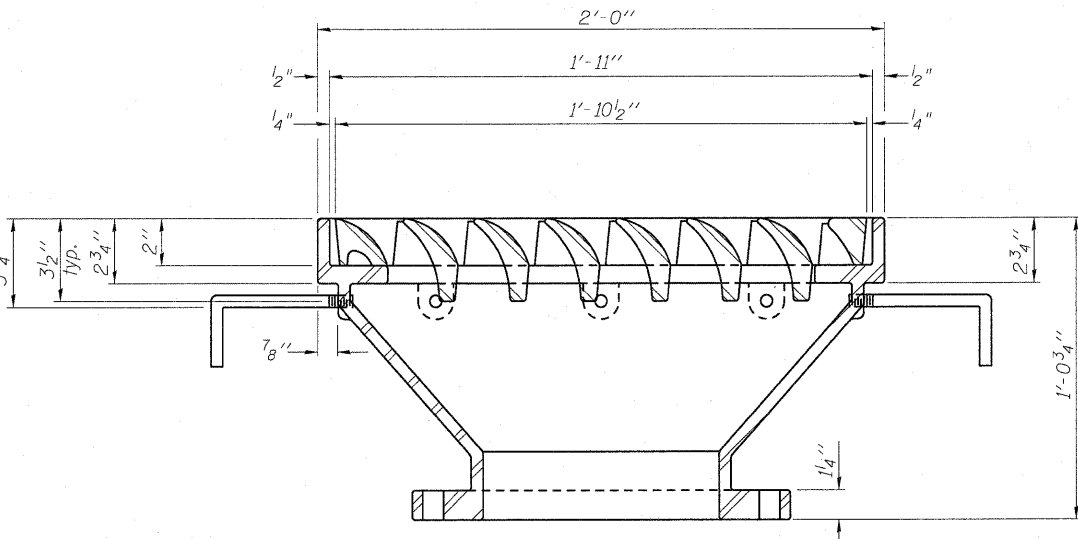
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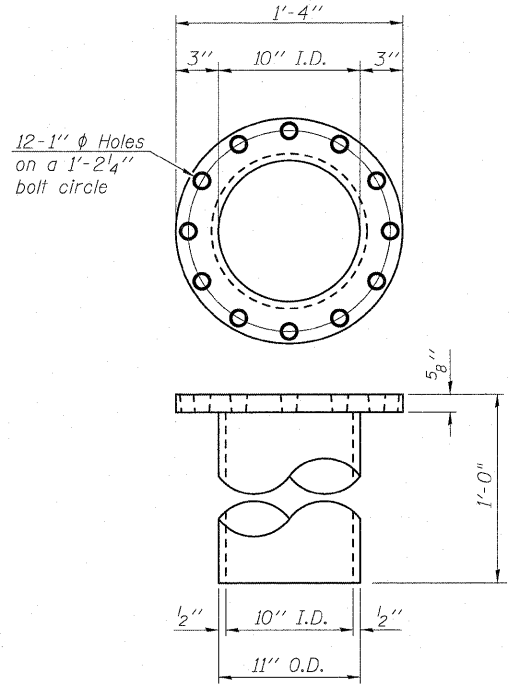
SECTION A-A



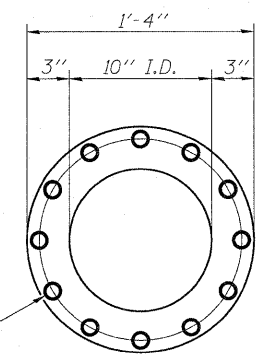
VANE GRATE DETAIL



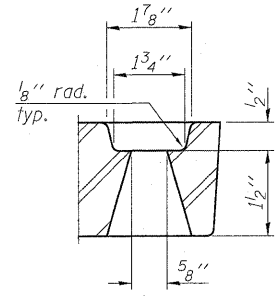
SECTION B-B



DOWNSPOUT

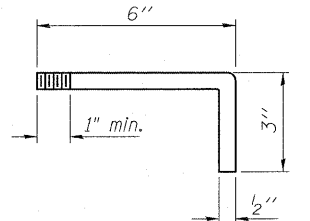


VIEW C-C



GRATE BOLT HOLE DETAIL

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.
 All castings shall conform to the requirements of AASHTO M 306.
 Downspouts located on the exterior side of a painted steel fascia beam shall be painted with the finish coat specified for the exterior side of the fascia beam.
 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 M11.
 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-12M10.
 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.



ANCHOR STUD DETAIL

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scuppers, DS-12M10	Each	4

DRAINAGE SCUPPER, DS-12M10
STRUCTURE NO. 016-0519

DESIGNED	JPM
CHECKED	TG
DRAWN	MPS
CHECKED	JPM, TG
DS-12M10	



SHEET NO. S34 S34 SHEETS	F.A.U. RTE. 1548	SECTION 461 (VB&VF) I	COUNTY COOK	TOTAL SHEETS 52	SHEET NO. 46
	CONTRACT NO. 60H65				
DATE: 06-22-2010		ILLINOIS FED. AID PROJECT			