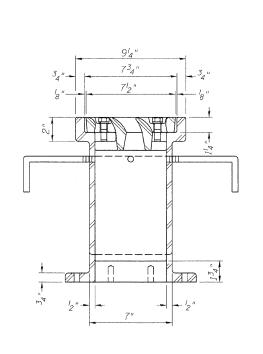
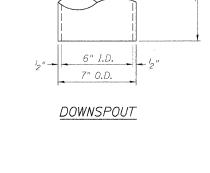


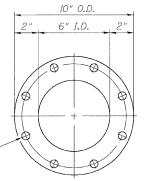
See sheet 13 of 32 for scupper location relative to parapet.



SECTION B-B

Drill and tap 8 holes for I_2 "-13 bolts on an $8\frac{3}{4}$ " ϕ bolt circle. (2 blind holes are 1^l_4 " deep, 6 thru holes)





VIEW C-C

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 painted steel fascia beam shall be painted with the finish coat specified for the exterior side of the fascia beam.

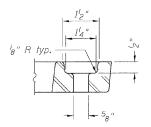
As an alternate, bolts, anchor studs, washers and nuts may be stainless steel according to Article 1006.29(d) of the Standard Specifications.

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 M111.

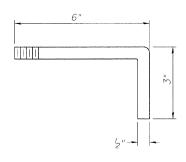
The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.

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-12.

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 eauivalent.



BOLT HOLE DETAIL



ANCHOR STUD DETAIL

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scupper, DS-12	Each	4

DRAINAGE SCUPPER, DS-12 STRUCTURE NO. 016-2030

LIN ENGINEERING,LTD. Consulting Engineers
 Designed By:
 ESH
 Checked By:
 MTH
 Drawn By:
 ESH

 Date:
 7/2009
 File:
 016-2030.dgn

SHEET	No. 31
32 SHEE	ETS

31	F.A.I. RTE.	SECTION					COUNTY	TOTAL SHEETS		SHEET NO.
,,	57 2222.3B					COOK	77		61	
						СО	NTRACT	NO.	62	119
	FED. R	OAD DIST.	NO.	ILLINOIS	FED.	AID PR	:OJECT			