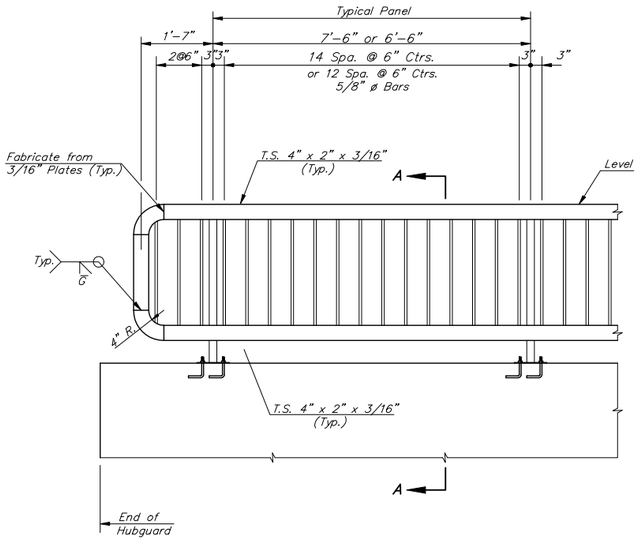
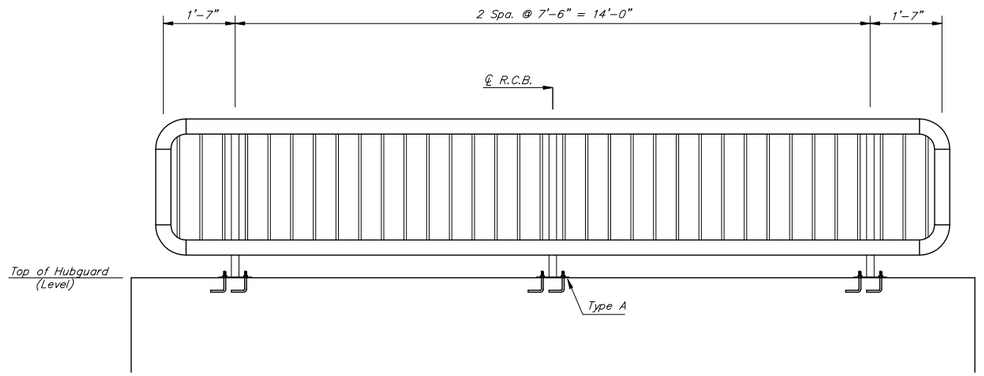
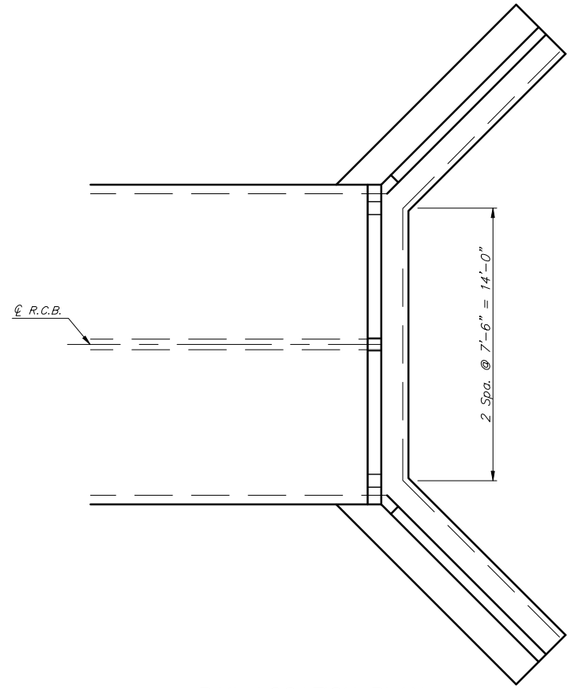


HANDRAIL ELEVATION

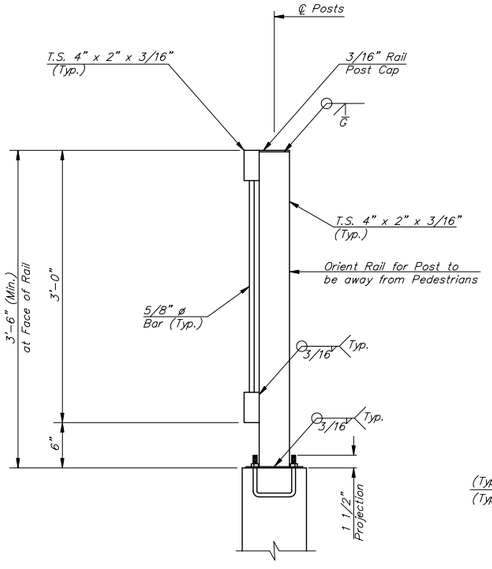


HUBGUARD SECTION

(2 Required)

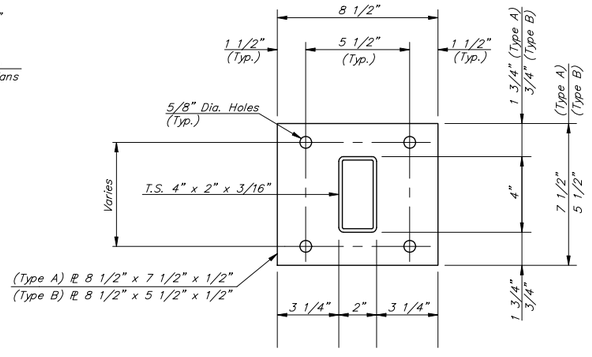


RAIL LOCATION PLAN



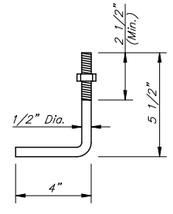
SECTION A–A

Note:
Rail Post on Hubguard shown,
Rail Posts on Wingwalls not shown
but similar controlling criteria.



BASE PLATE

5 Required (Type A)
8 Required (Type B)



Galvanized (ATSM A153)

(May Substitute expandable anchor bolts when approved by the Engineer)

ANCHOR BOLT

Orient to provide min. 2" edge clearance to either hubguard face or adjacent bolts)

BASIS OF PAYMENT

All labor. Materials, Anchor Bolts, Fabrication, Installation, and Ect. Necessary to Place the Handrails as shown shall be incidental to Lump Sum Bid Item "RCBC."

GENERAL NOTES

The horizontal members of the rail and posts shall be hollow structural tubing. All structural steel and tubing shall comply to A.S.T.M. Designation A36 or A500 Grade B respectively.

Rail shall be fabricated in lengths as shown.

Posts and bars shall be set vertical and shimmed if required.

The paint system shall be provided by Carboline: 350 Hanley Industrial Ct., St. Louis, MO. The applicattion will be in accordance with the manufacturers recommendations. The paint procedure is as follows:

1. *Abrasive blast to commercial finish SSPC–SP6 to obtain a surface profile of 1–1/2 mils.*
2. *Apply 2 coats of Carboline GP 818 Primer (2 to 4 mils per coat).*
3. *Apply one topcoat of Subsil 30 HS (2 to 3 Mils) (Color: Carboline C900). An approved substitutuion of the total paint sytem will be allowed with the approval of the Engineer.*

Material and construction shall conform to the Structural Welding Code A.W.S. D1.1–00.

Shop details must be submitted and approved by the Engineer.

The Handrail Shall be Painted Black & a Test Piece Shall Be Supplied To the Engineer Prior To Cons. For Its Approval.

Baughman

Northgate Offsite Drainage

Handrail Details

Storm Water Drain #307

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER	DISIGN	DRAWN
468-84253	AEG	RDM
REVISIONS:	APPROVED AEG	DATE 3-14-07
	SCALE None	
	SHEET 15 OF 22	

Northgate\53rd St SWD\RCBC_Handrail.dwg