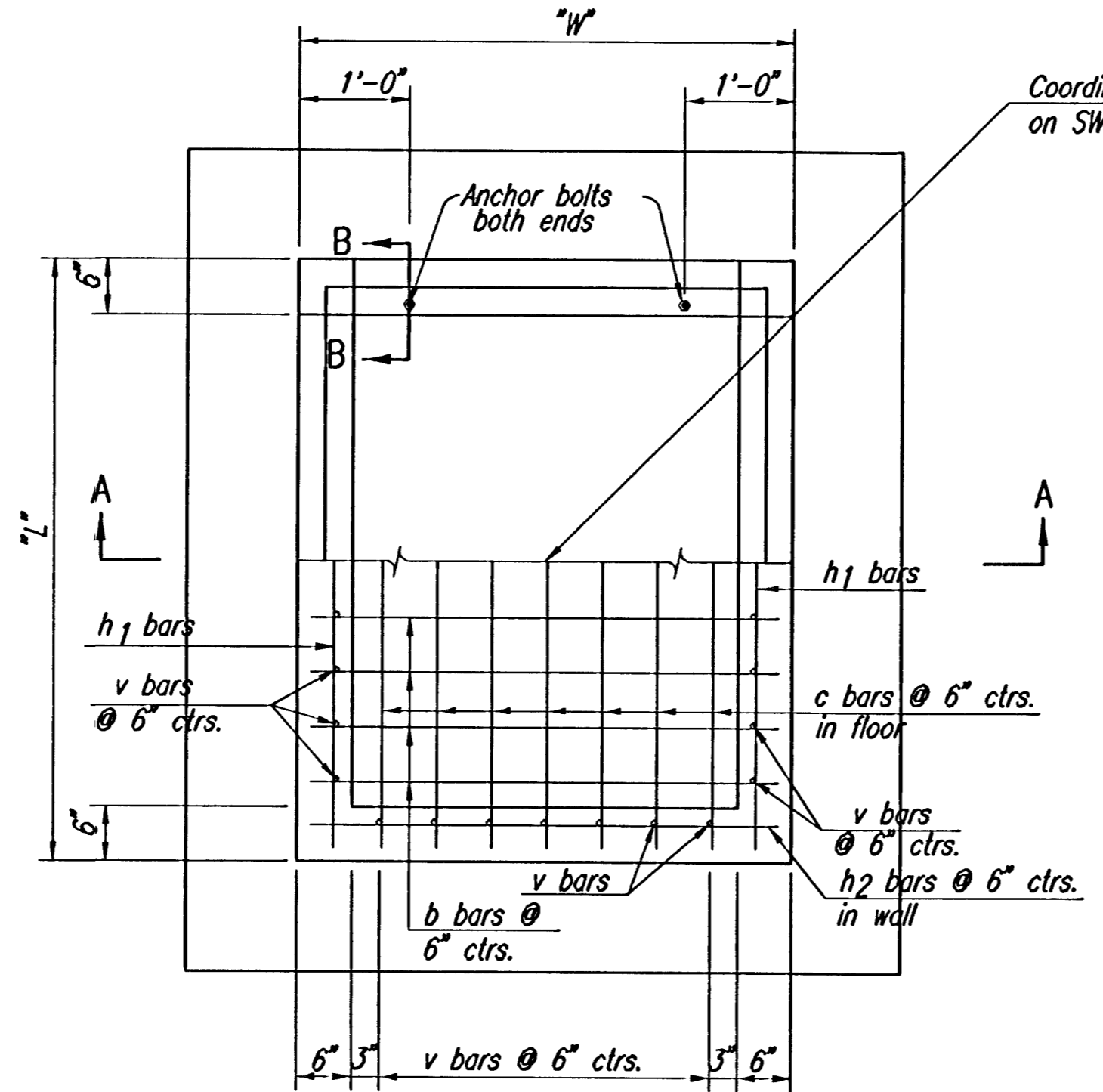
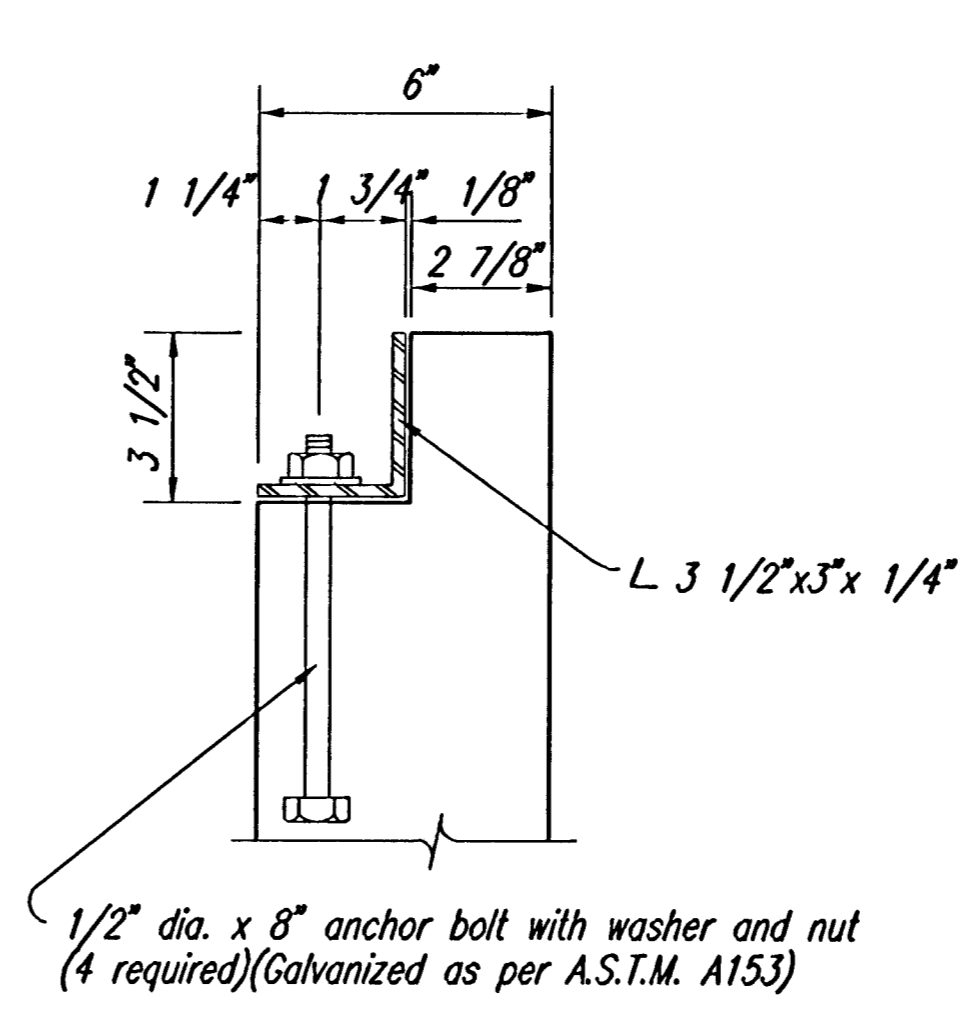


SECTION A-A

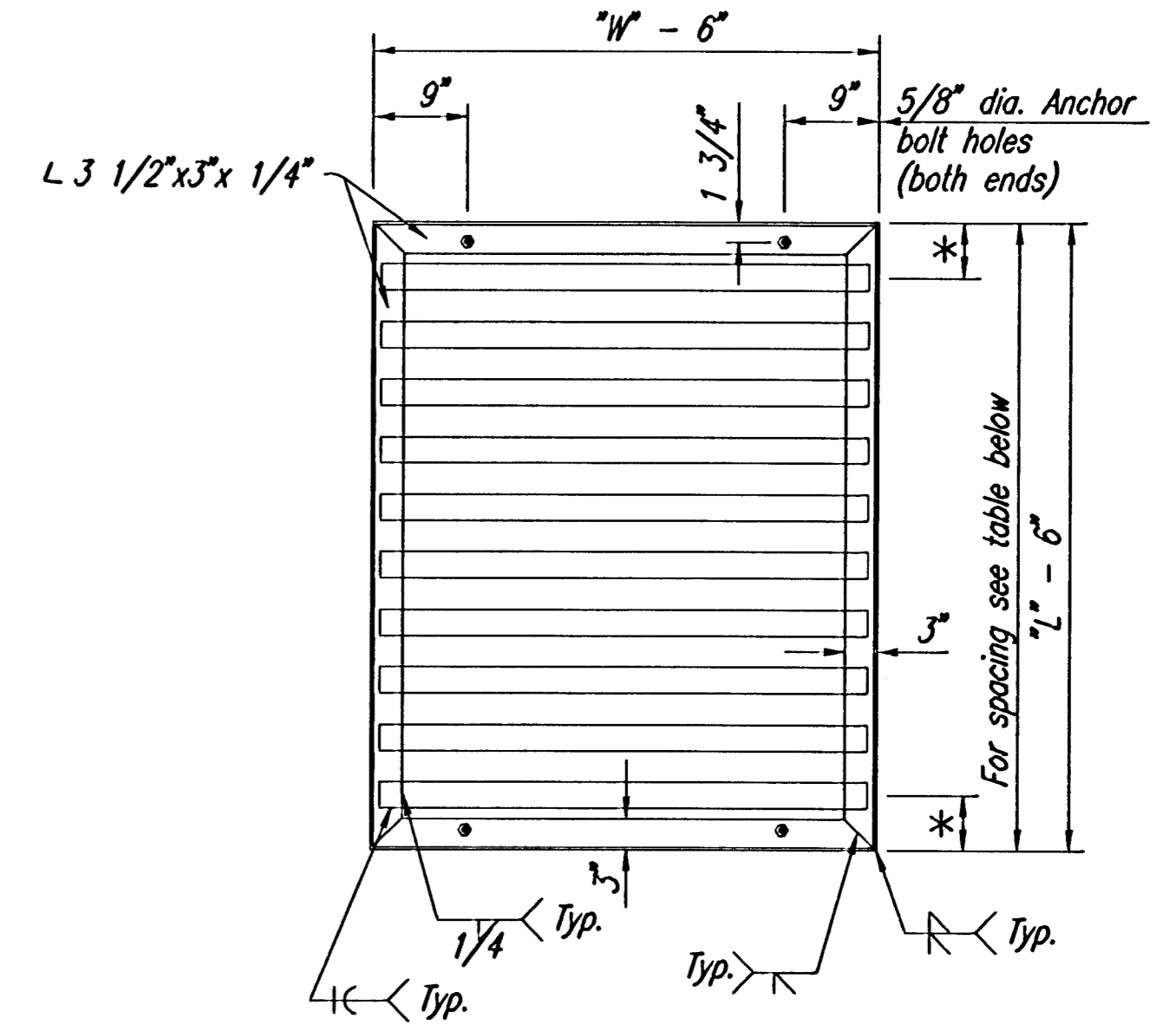


PLAN/SECTION



SECTION B-B

Note: Anchor bolts are subsidiary to the bid item "Inlet Type C".



GRATE UNIT DETAILS

BILL OF MATERIALS			
"L"	"W"	"H"	(6112)
4'-0"	4'-0"	8'-3"	
Bar	No.	Size	Length
v	24	#4	7'-8"
c	24	#4	5'-9"
b	24	#4	5'-9"
h1	30	#4	3'-9"
h2	30	#4	3'-9"
Class "A" Conc.		2.7 Cu.Yd.	
Reinf. steel		458 Lbs.	
Struct. steel		140 Lbs.	

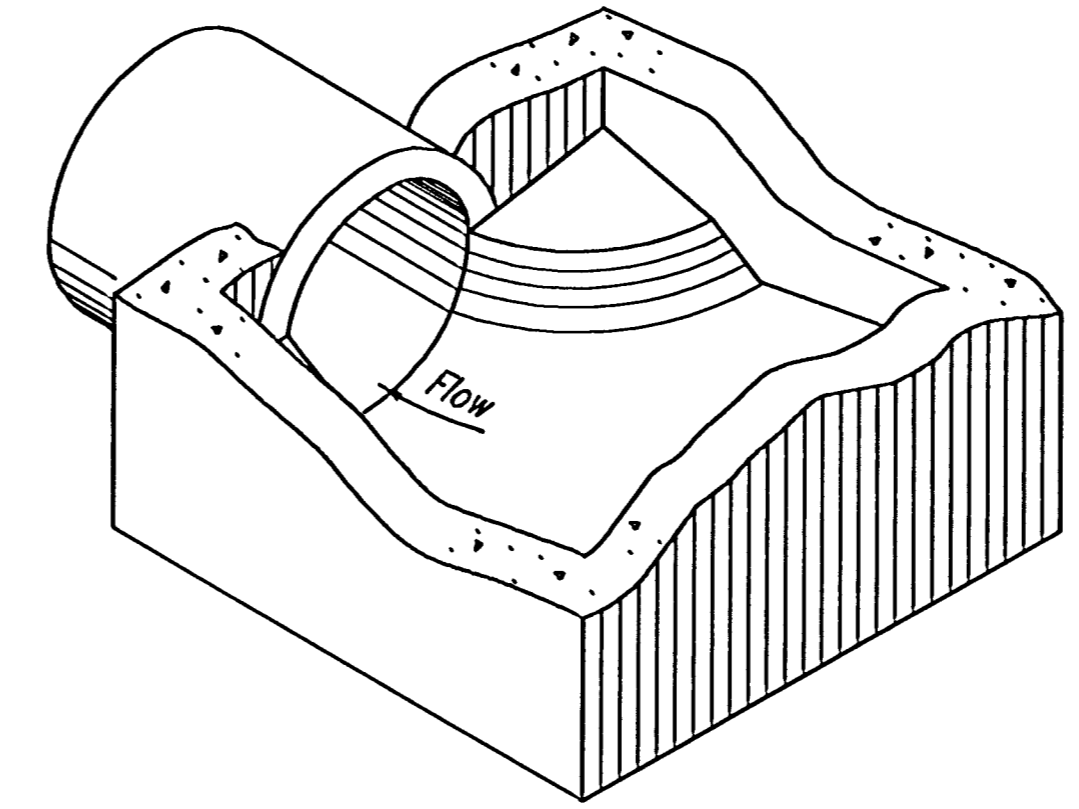
Quantities are for information only.

PIPE DIMENSIONS AND SPACING (SCHEDULE 40)				
Location	L x W	No. of Pipes	Dia. x Length x Spacing	⌘
(6112)	4'-0" x 4'-0"	3	2 1/2" φ x 3'-4 1/4" pipes @ 12" ctrs.	9"

GENERAL NOTES

- Concrete shall be as per City of Wichita Standard Specifications for Concrete Paving Mix. Except that it shall have a minimum 28 day compressive strength of 4,000 p.s.i. All Pipes shall be flush cut prior to being cast into the Inlet.
- All dimensions relative to Reinforcing Steel are to centerline of bar unless otherwise noted. All Reinforcing Steel shall conform to A.S.T.M. Designation A615 Grade 60 and shall be Epoxy Coated.
- All exposed edges shall be finished with an edging tool.
- All external pipe to inlet joints shall be coated with an asphaltic tar to waterproof the joint interface.
- Where possible bend bars around pipes.
- Floor of inlet shall be shaped as shown. Concrete used for shaping shall be unreinforced concrete pavement mix. No addition in concrete quantities shall be made for shaping floor of inlet.
- No deductions in concrete quantities shall be made for pipe openings. All bars are #4 @ 6" spacing and shall have a minimum clearance of 1 1/2" unless otherwise noted on the plans. The top of the inlet shall be set level.
- The grate shall be fabricated from standard or commercial grade structural steel and black steel pipe. The unit shall be hot dipped, galvanized after fabrication, in accordance with ASTM A123 except the weight of coating shall average not less than 2.0 ounces per square foot of actual surface and no individual test shall show less than 1.8 ounces of coating per square foot of actual surface area.

Note: Inlet modified from KDOT Std. No. 648



Floor of inlet or manhole shall be shaped as shown to increase hydraulic efficiency.

ISOMETRIC VIEW

NOTE:
Inlet to receive concrete fill from flowline elevation to top of footing to counteract buoyancy force.
Volume=1.2 Cu. Yd. Not included in Bill of Material, this sheet.

AREA INLET
See SWS Line No. 2 Sheet for Inlet orientation.

No.		Revision		By		Date	
OAK CREEK JRD							
TYPE C INLET DETAILS							
Professional Engineering Consultants, P.A. 303 S. TOPEKA • WICHITA, KANSAS 67202 316-262-2691 • FAX 316-262-3003							
Designed by		BDB, BMM		Job No.		35-06572-000	
Drawn by		BJS, TAT		Date		February 2006	
						Sheet 22 of 45	