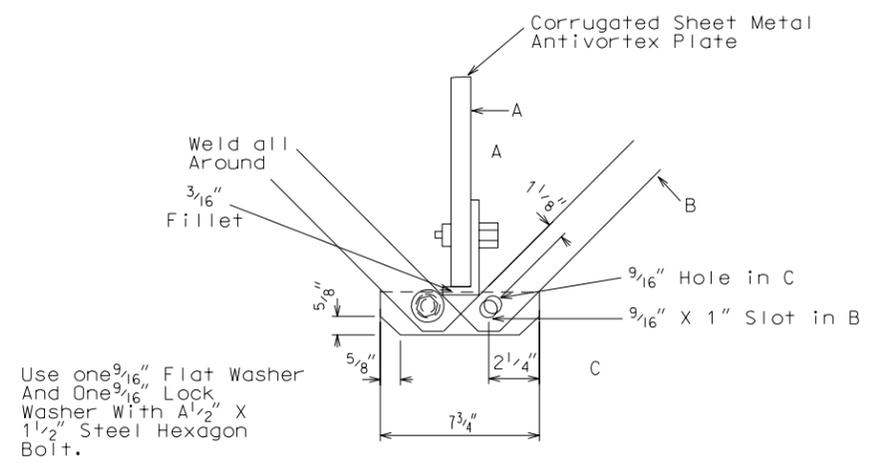
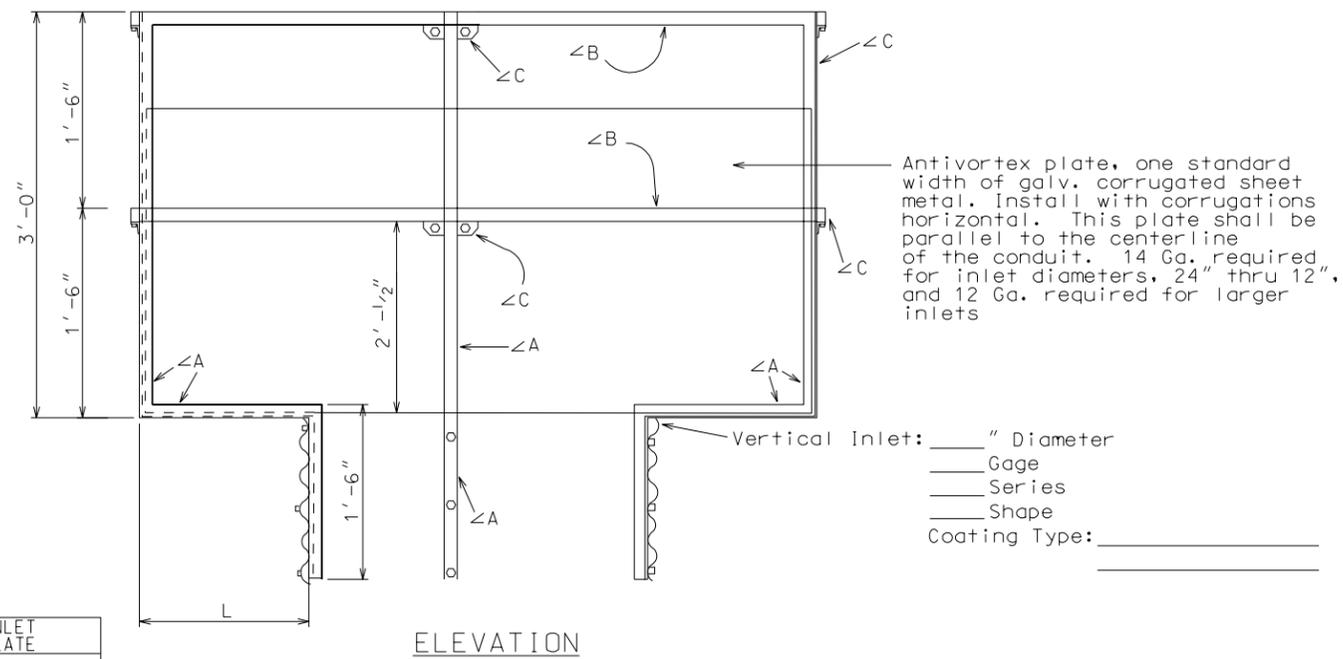


- Notes:
- ∠A's, ∠B's and ∠C's to be fabricated of 2"x2"x5/16" structural steel angle cut for inlet diameters 18" thru 90", and of 2"x2"x1/4" for smaller inlets. Punch and weld to dimensions and shapes shown.
 - Attach ∠A's to vertical inlet with a minimum of three(3) 1/2" X 1 1/2" machine bolts in each angle, spaced in alternate corrugations. Drill 9/16" holes in the inlet and in ∠A's for the 1/2" bolts. (12 min. required for each vertical inlet.)
 - Attach antivortex plate to ∠A's with a minimum of seven(7) 1/2" X 1 1/2" machine bolts in each angle, spaced in alternate corrugations. Drill 9/16" holes in anti-vortex plate and in ∠A's for the 1/2" bolts. (14 required for each vertical inlet.)
 - ∠B's shall be attached to ∠A's by bolting as shown on the drawings. 4 ∠A's, 8 ∠B's and 8 ∠C's are required.
 - Use a flat washer under the head of each bolt and a flat washer and lock washer under each nut. All nuts, bolts, and washers shall be galvanized.
 - All angles of the guard assembly shall be galvanized after all punching, cutting, welding and burning has been completed. See NRCS material specification 582.

SCHEDULE OF SIZES				
Inlet Dia.	∠A Length	∠B Length	L	Antivortex Plate Length
24"	6'-6 1/2"	4'-2"	2'-1 1/2"	5'-8"
30"	6'-3 1/2"	4'-2"	1'-9 1/2"	5'-8"
36"	6'-1 1/2"	4'-2"	1'-6 1/2"	5'-8"
42"	6'-11"	5'-9"	2'-5"	7'-10 1/2"
48"	6'-8"	5'-9"	2'-2"	7'-10 1/2"
54"	6'-5"	5'-9"	1'-11"	7'-10 1/2"
60"	7'-1 1/2"	7'-1"	2'-7 1/2"	9'-7 1/2"
66"	6'-10 1/2"	7'-1"	2'-4 1/2"	9'-7 1/2"
72"	6'-7 1/2"	7'-1"	2'-1 1/2"	9'-7 1/2"
78"	7'-4 1/2"	8'-6"	2'-10 1/2"	11'-9"
84"	7'-1 1/2"	8'-6"	2'-7 1/2"	11'-9"
90"	6'-10 1/2"	8'-6"	2'-4 1/2"	11'-9"



CORRUGATED METAL VERTICAL INLET
 GUARD RAILS W/ ANIVORTEX PLATE

STANDARD DWG. NO. FL-410F1

DATE 12/02 SHEET OF

REVISIONS		
DATE	APPROVED	TITLE

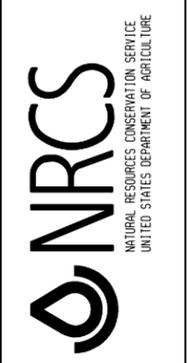
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Drawn _____

Checked _____

Approved _____



File No. _____

Drawing No. _____

Sheet of _____