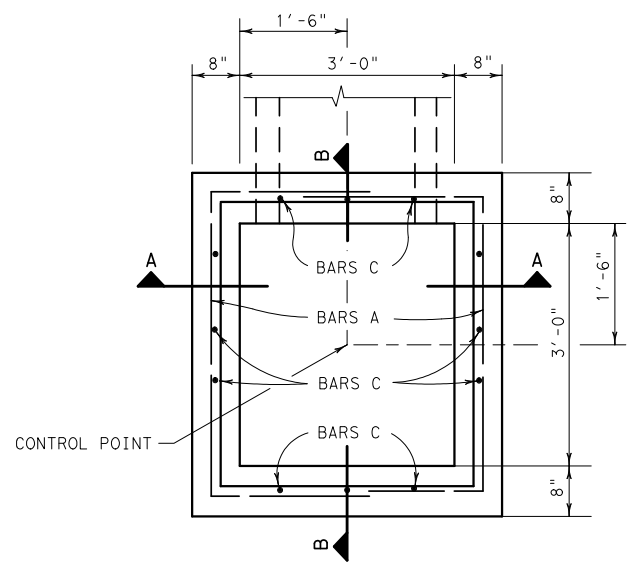


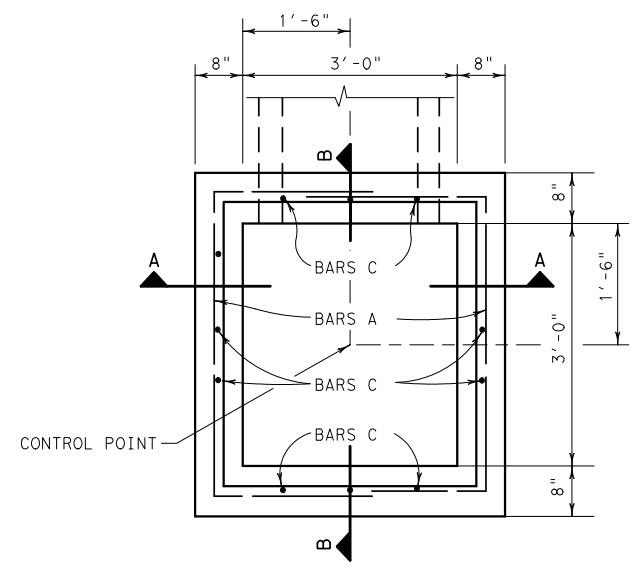
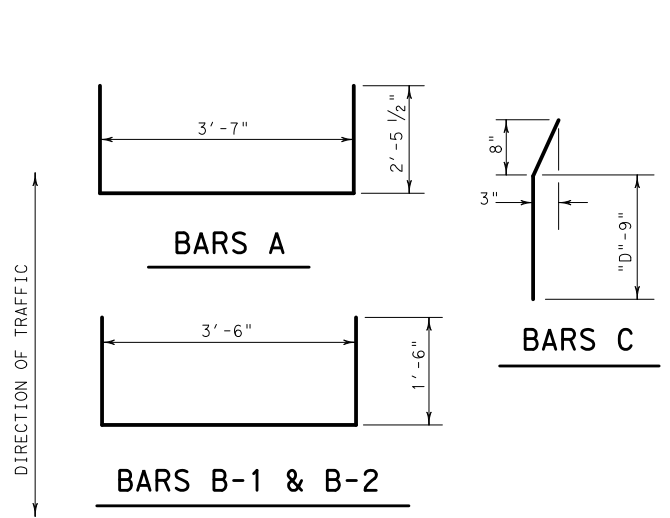
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http://www.dot.state.tx.us/ftw/specinfo/standard.htm gi302fw.dgn

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
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PLAN



PLAN

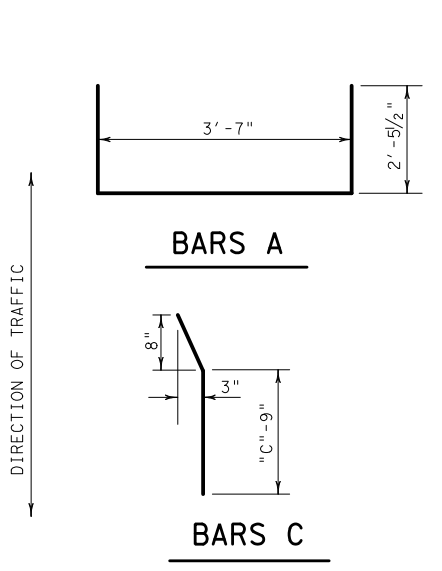
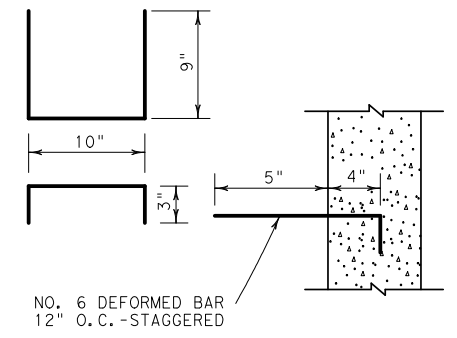
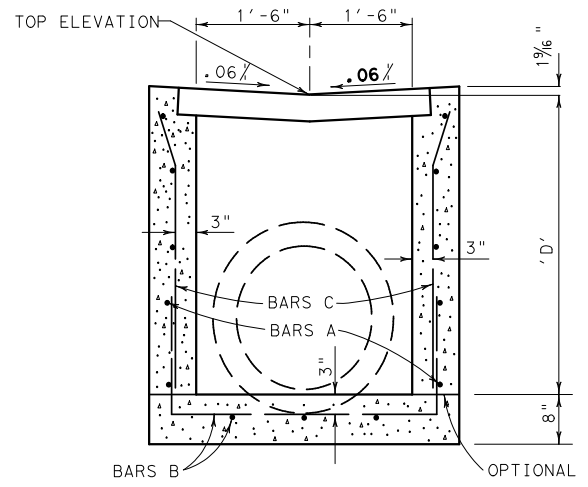


TABLE OF QUANTITIES
TYPE 3-C INLET
'C' = 1'-6"

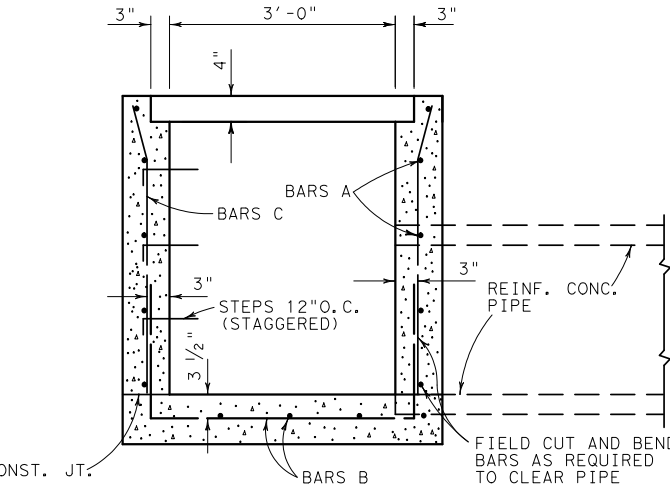
BARS A @ 12" ±		BARS C @ 12" ±		STEPS @ 12" (#6)	
NO.	LGTH.	NO.	LGTH.	NO.	LGTH.
6	8'-6"	12	1'-5"	1	2'-10"
TOTAL STEEL				49.68 LBS.	
TOTAL CONC.				0.53 C.Y.	
ADDITIONAL STEEL P.L.F.				23.63 LBS.	
ADDITIONAL CONC. P.L.F.				0.362 C.Y.	



STEPS

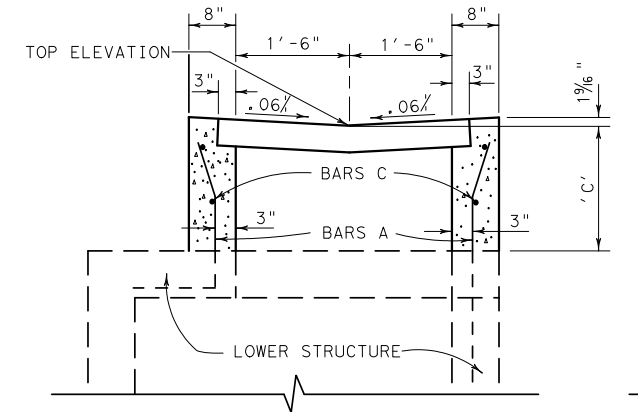


SECTION A-A

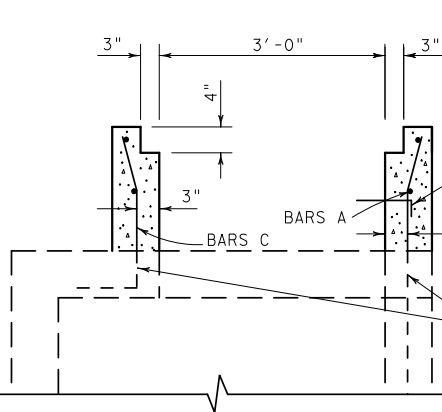


SECTION B-B

TYPE 3 STRUCTURE



SECTION A-A



SECTION B-B

TYPE 3-C STRUCTURE

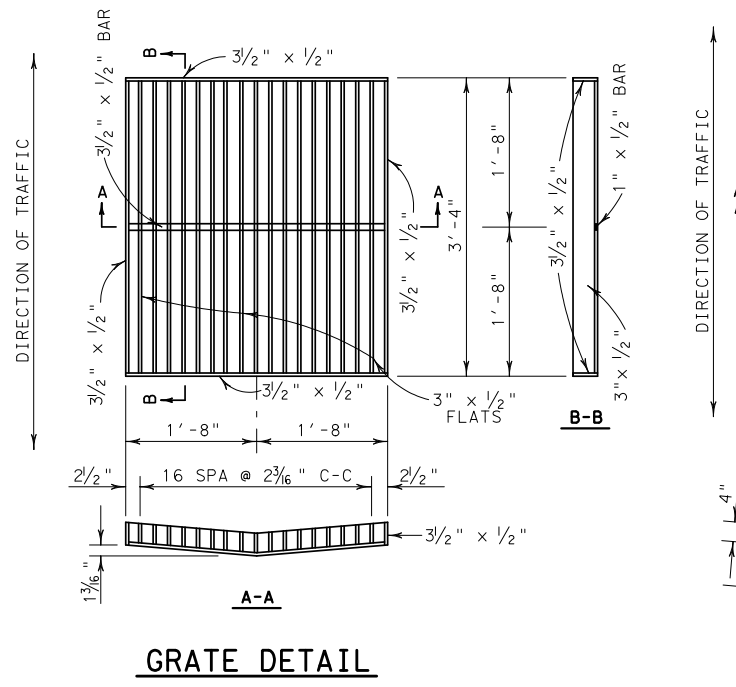
5. LOCATION OF INLET AS SHOWN IN THE PLANS REFERS TO CONTROL

GENERAL NOTES:

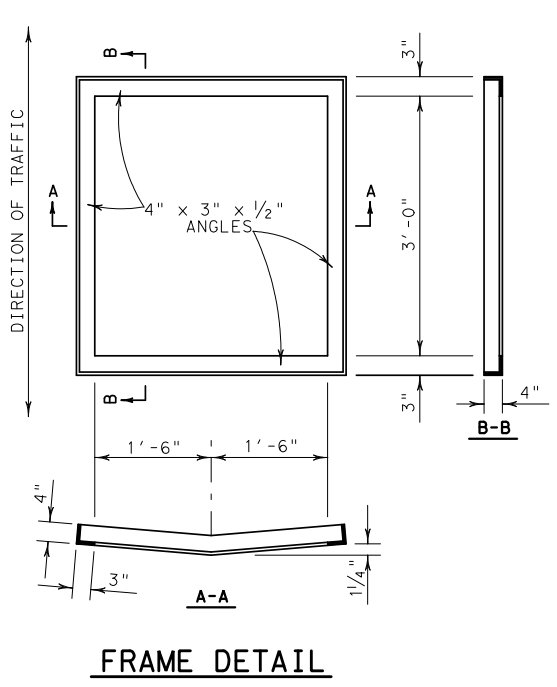
- ALL CONCRETE SHALL BE CLASS "A".
- ALL REINFORCING STEEL SHALL BE NO. 4 BARS. DIMENSIONS RELATING TO STEEL ARE TO CENTERS OF BARS. FIELD CUT AND BEND BARS AS REQUIRED TO ACCOMMODATE TIES TO LOWER STRUCTURE AND TO CLEAR PIPES.
- REDUCE CONCRETE QUANTITIES IN TABLES FOR AREA OF EACH PIPE IN STRUCTURE.
- GRATE AND FRAME SHALL CONFORM TO ITEM 471.
- LOCATION OF INLET AS SHOWN IN THE PLANS REFERS TO CONTROL POINT SHOWN ON THIS SHEET. INLET SHALL BE ALIGNED SO THAT GRATE VANES ARE PARALLEL TO DIRECTION OF TRAFFIC. FOR TY 3-C STRUCTURES NOT ON CULVERTS, LOWER STRUCTURE MAY BE POSITIONED AS REQUIRED TO ALIGN WITH TOP STRUCTURE, STORM DRAIN PIPES OR OTHER ADJACENT STRUCTURES.
- WHEN USED WITH JUNCTION BOX, MEASURE AND PAY FOR GRATED INLET AND JUNCTION BOX SEPARATELY.
- NOT TO BE USED IN OR ADJACENT TO AREAS FOR PEDESTRIAN ACCESS.
- INLET TOP MAY BE CAST MONOLITHICALLY WITH CONCRETE PAVEMENT. IF NOT PLACED MONOLITHICALLY, A SEALED 1/2" EXPANSION JOINT SHALL BE PLACED AROUND THE TOP OF THE INLET STRUCTURE, TO THE DEPTH OF CONCRETE PAVEMENT. CLASS 3, 4, 5 OR 7 JOINT SEALANT SHALL BE USED TO SEAL JOINT.

TABLE OF QUANTITIES
TYPE 3 INLET
'D' = 4'-0"

BARS A @ 12" ±		BARS A @ 12" ±		BARS C @ 12" ±		STEPS @ 12" (#6)	
NO.	LGTH.	NO.	LGTH.	NO.	LGTH.	NO.	LGTH.
10	8'-6"	6	6'-6"	12	3'-11"	3	2'-10"
TOTAL STEEL				127.00 LBS.			
TOTAL CONCRETE				1.90 C.Y.			
ADDITIONAL STEEL				23.63 LBS.			
ADDITIONAL CONCRETE				0.362 C.Y.			



GRATE DETAIL



FRAME DETAIL

CONCRETE REDUCTION
ONE PIPE

PIPE DIA.	C. Y. CONC.
18"	0.07
21"	0.10
24"	0.12
27"	0.15
30"	0.18
33"	0.22
36"	0.26

REVISIONS: 10/09-Added note to pay for junction box separately

Texas Department of Transportation
FORT WORTH DISTRICT
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GRATED INLET DETAILS
TYPES 3 & 3-C
GI-3-02 (FW)

ORIG DRAW DATE: 8/02	DESIGNER: []	FED. REG.:	STATE:	PROJ. NO.:	HIGHWAY:
CHECKED: []	DISTRICT:	COUNTY:	CONTROL SECTION:	JOB:	SHEET:
DRAWN: []	CHECKED: []	FTW:			