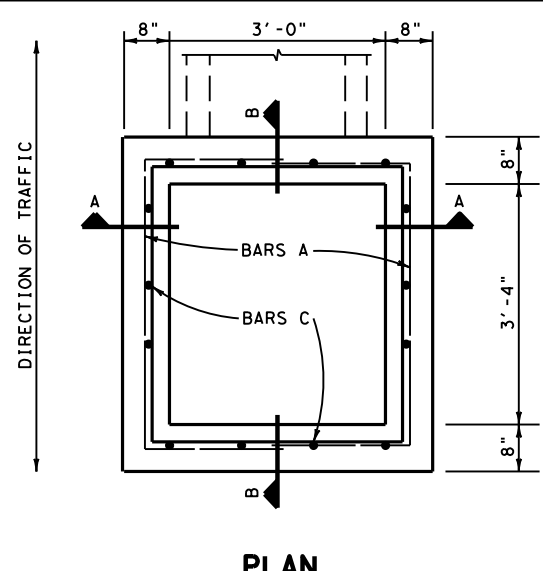


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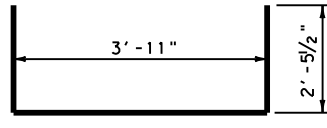
https://www.dot.state.tx.us/ftw/specinfo/standard.htm gi102fw.dgn

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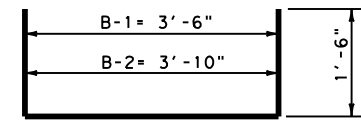


PLAN

BARS A @ 12" ±		BARS B-1 @ 12" ±		BARS B-2 @ 12" ±		BARS C @ 12" ±		STEPS @ 12" ± (#6)	
NO.	LGTH.	NO.	LGTH.	NO.	LGTH.	NO.	LGTH.	NO.	LGTH.
10	8'-10"	3	6'-6"	3	6'-10"	12	3'-9 1/2"	3	2'-10"
TOTAL STEEL								129.00 LBS.	
TOTAL CONCRETE								1.97 C.Y.	
ADDITIONAL STEEL P.L.F.								24.07 LBS.	
ADDITIONAL CONC. P.L.F.								0.379 C.Y.	

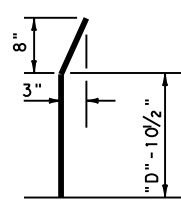


BARS A

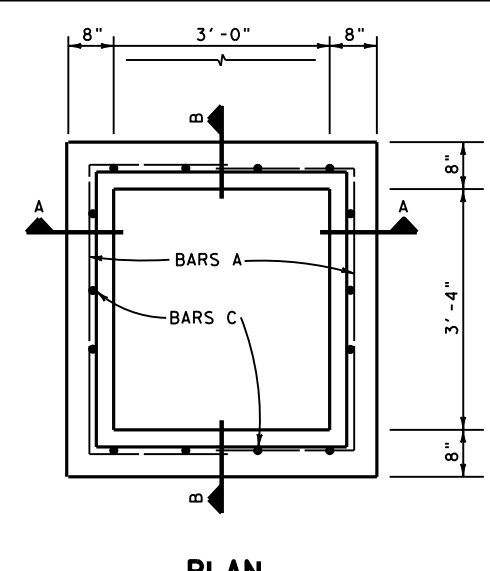


BARS B-1 & B-2

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

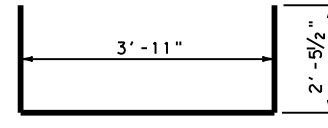


BARS C

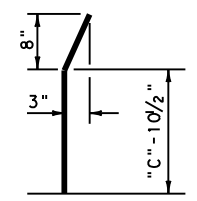


PLAN

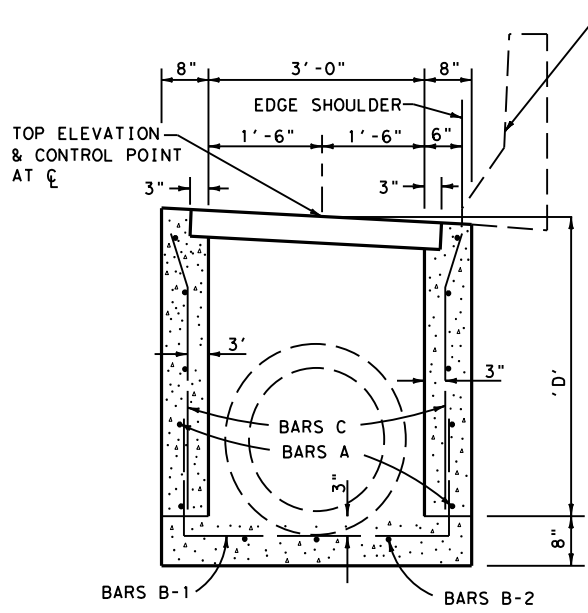
BARS A @ 12" ±		BARS C @ 12" ±		STEPS @ 12" ± (#6)	
NO.	LGTH.	NO.	LGTH.	NO.	LGTH.
6	8'-10"	12	1'-3 1/2"	1	2'-10"
TOTAL STEEL					50.00 LBS.
TOTAL CONC.					0.53 C.Y.
ADDITIONAL STEEL P.L.F.					24.07 LBS.
ADDITIONAL CONC. P.L.F.					0.379 C.Y.



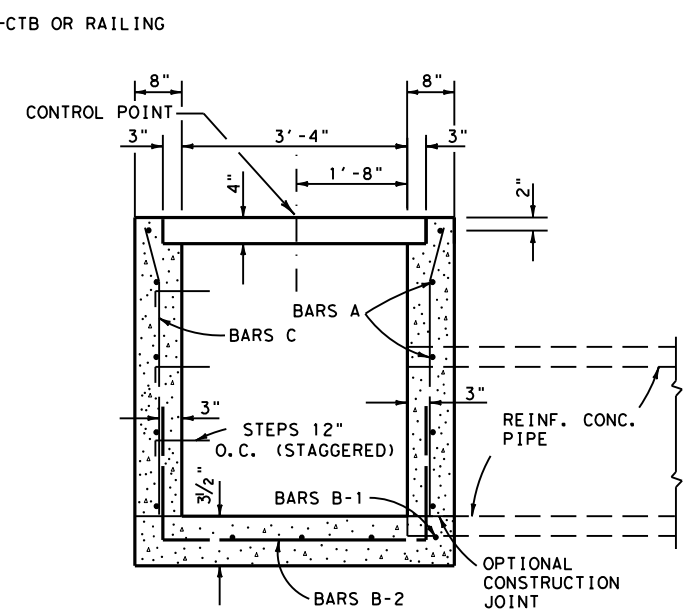
BARS A



BARS C

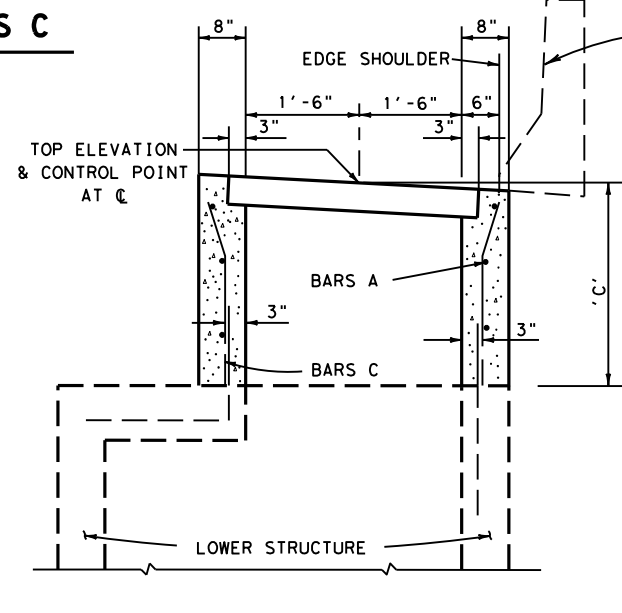


SECTION A-A

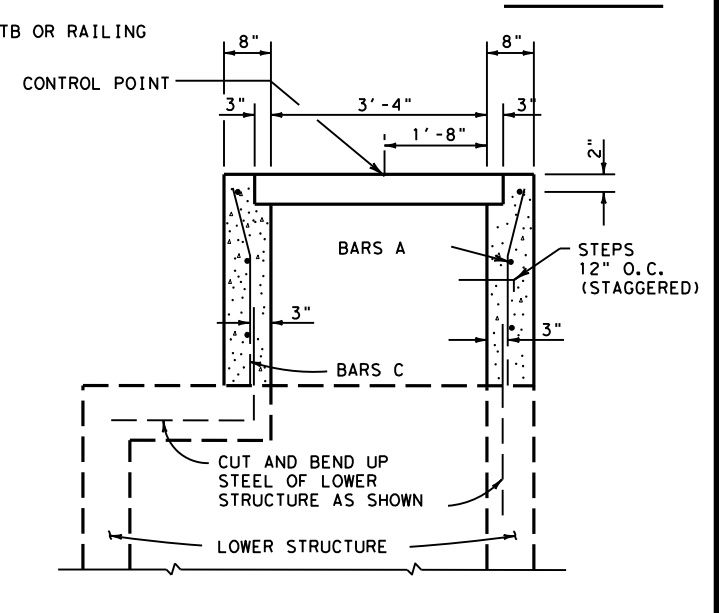


SECTION B-B

TYPE 1 STRUCTURE

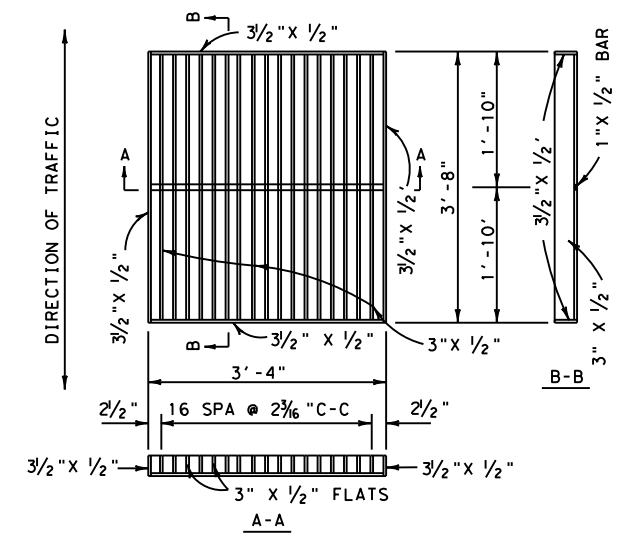


SECTION A-A

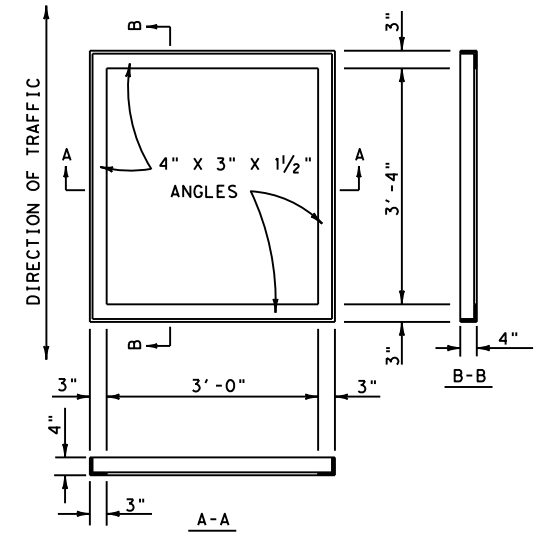


SECTION B-B

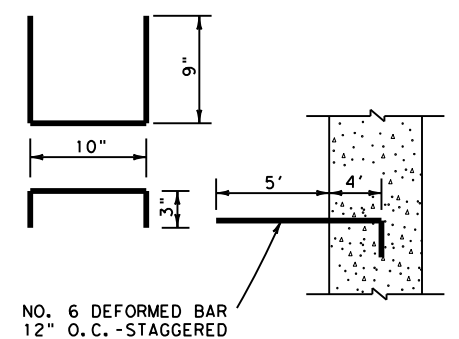
TYPE 1-C STRUCTURE



GRATE DETAIL



FRAME DETAIL



STEPS

GENERAL NOTES:

- ALL CONCRETE SHALL BE CLASS "A".
- ALL REINFORCING STEEL EXCEPT STEPS 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.
- 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 TYPE 1-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.
- CONSTRUCT TOP TO CONFORM TO SLOPE OF PAVEMENT.
- GRATE AND FRAME SHALL CONFORM TO ITEM 471.
- NOT TO BE USED IN OR ADJACENT TO AREA DESIGNATED 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 STRUCTURE, TO THE DEPTH OF CONCRETE PAVEMENT. CLASS 3, 4, 5 OR 7 JOINT SEALANT SHALL BE USED TO SEAL JOINT.

<p>REVISIONS: 10/09-Added note to pay for junction box separately</p>					
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<p>GRATED INLET DETAILS TYPES 1 & 1-C GI-1-02 (FW)</p>					
ORIG. DRAW. DATE: 8/02	DESIGN: CHECKED:	FED. REG. STATE: TEXAS	PROJ. NO.	HIGHWAY	
	DRAWN: CHECKED:	DISTRICT: FTW	CONTROL SECTION:	JOB SHEET	