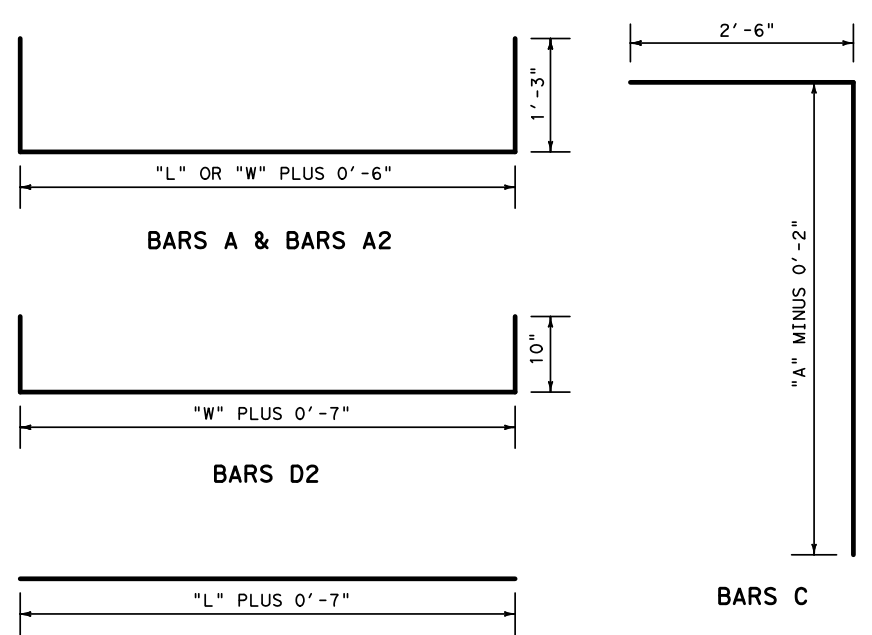


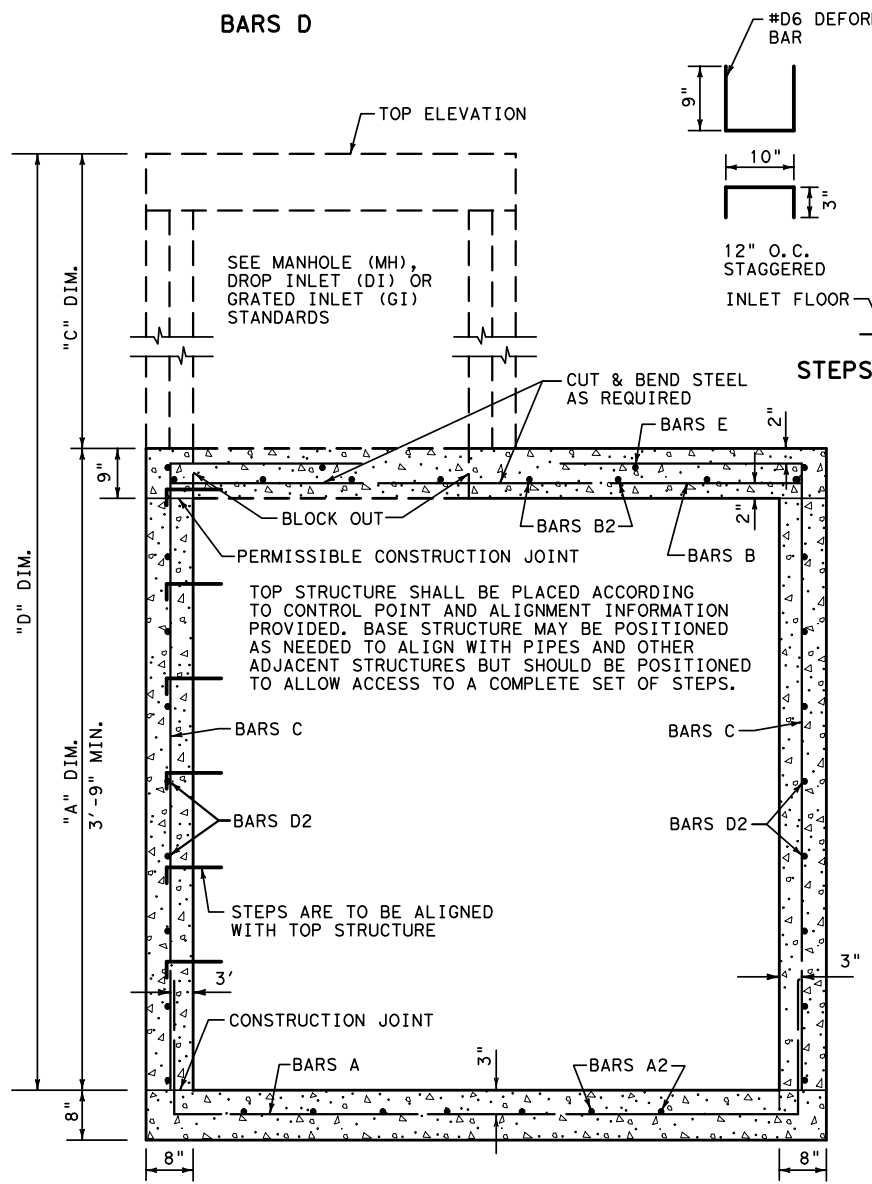
DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

http://www.dot.state.tx.us/ftw/specinfo/standard.htm jb202fw.dgn

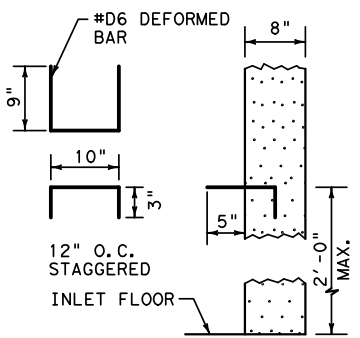
1	2	3	5	7



PIPE DIA.	CONC. REDUCTION ONE PIPE C. Y.
15	0.05
18	0.07
21	0.10
24	0.12
27	0.15
30	0.18
33	0.22
36	0.26
39	0.30
42	0.35
45	0.40
48	0.45
54	0.57
60	0.70
66	0.84
72	1.00



TYPICAL SECTION - LENGTH VIEW
WIDTH VIEW SIMILAR

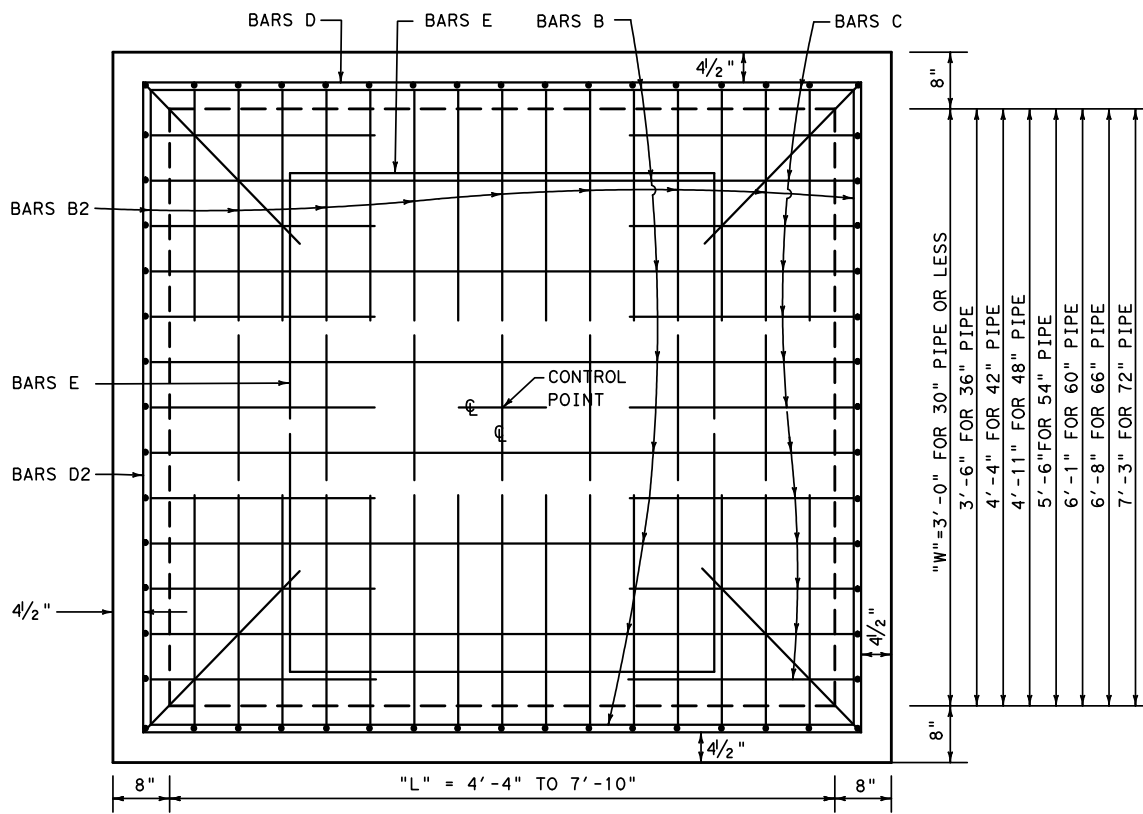


STEPS

TABLE OF QUANTITIES WITH NO DEDUCTIONS FOR PIPES OR INLET OPENINGS																							
BILL OF #4 REINFORCING STEEL																							
MAX. PIPE DIA.	HEIGHT OF STR. "A"	LENGTH OF STR. "L"	WIDTH OF STR. "W"	STEPS # 6 12"±		BARS A 12"±		BARS A2 12"±		BARS B 12"±		BARS B2 12"±		BARS C 6"±		BARS D 12"±		BARS D2 12"±		REINF. STEEL LB.	CLASS A CONC. C. Y.		
				No.	LENGTH	No.	LENGTH	No.	LENGTH	No.	LENGTH	No.	LENGTH	No.	LENGTH	No.	LENGTH	No.	LENGTH				
30"	3'-9"	4'-4"	3'-0"	2	2'-10"	4	7'-4"	6	6'-0"	4	4'-10"	6	3'-6"	34	6'-1"	8	4'-11"	8	5'-3"	4	3'-6"	281	2.54
"	"	4'-11"	"	"	"	"	7'-11"	"	"	"	5'-5"	"	"	36	"	"	5'-6"	"	"	"	"	300	2.75
"	"	5'-6"	"	"	"	"	8'-6"	7	"	"	6'-0"	7	"	38	"	"	6'-1"	"	"	"	"	321	2.96
"	"	6'-1"	"	"	"	"	9'-1"	8	"	"	6'-7"	8	"	40	"	"	6'-8"	"	"	"	"	343	3.17
"	"	6'-8"	"	"	"	"	9'-8"	"	"	"	7'-2"	"	"	42	"	"	7'-3"	"	"	"	"	358	3.38
"	"	7'-3"	"	"	"	"	10'-3"	9	"	"	7'-9"	9	"	44	"	"	7'-10"	"	"	"	"	379	3.59
"	"	7'-10"	"	"	"	"	10'-10"	"	"	"	8'-4"	"	"	46	"	"	8'-5"	"	"	"	"	411	3.80
36"	4'-3"	4'-4"	3'-6"	2	2'-10"	5	7'-4"	6	6'-6"	5	4'-10"	6	4'-0"	36	6'-8"	10	4'-11"	10	5'-9"	4	4'-0"	325	2.99
"	"	4'-11"	"	"	"	"	7'-11"	"	"	"	5'-5"	"	"	38	"	"	5'-6"	"	"	"	"	351	3.23
"	"	5'-6"	"	"	"	"	8'-6"	7	"	"	6'-0"	7	"	40	"	"	6'-1"	"	"	"	"	375	3.47
"	"	6'-1"	"	"	"	"	9'-1"	8	"	"	6'-7"	8	"	42	"	"	6'-8"	"	"	"	"	399	3.71
"	"	6'-8"	"	"	"	"	9'-8"	"	"	"	7'-2"	"	"	44	"	"	7'-3"	"	"	"	"	417	3.95
"	"	7'-3"	"	"	"	"	10'-3"	9	"	"	7'-9"	9	"	46	"	"	7'-10"	"	"	"	"	441	4.19
"	"	7'-10"	"	"	"	"	10'-10"	"	"	"	8'-4"	"	"	48	"	"	8'-5"	"	"	"	"	458	4.43
42"	4'-9"	4'-11"	4'-4"	2	2'-10"	6	7'-11"	7	7'-4"	6	5'-5"	7	4'-10"	44	7'-1"	10	5'-6"	10	6'-7"	4	4'-10"	415	3.95
"	"	5'-6"	"	"	"	"	8'-6"	"	"	"	6'-0"	"	"	46	"	"	6'-1"	"	"	"	"	433	4.24
"	"	6'-1"	"	"	"	"	9'-1"	8	"	"	6'-7"	8	"	48	"	"	6'-8"	"	"	"	"	459	4.53
"	"	6'-8"	"	"	"	"	9'-8"	"	"	"	7'-2"	"	"	50	"	"	7'-3"	"	"	"	"	477	4.82
"	"	7'-3"	"	"	"	"	10'-3"	9	"	"	7'-9"	9	"	52	"	"	7'-10"	"	"	"	"	503	5.10
"	"	7'-10"	"	"	"	"	10'-10"	"	"	"	8'-4"	"	"	54	"	"	8'-5"	"	"	"	"	521	5.39
48"	5'-3"	5'-6"	4'-11"	3	2'-10"	7	8'-6"	7	7'-11"	7	6'-0"	7	5'-5"	48	7'-7"	10	6'-1"	10	7'-2"	4	4'-10"	477	4.82
"	"	6'-1"	"	"	"	"	9'-1"	8	"	"	6'-7"	8	"	50	"	"	6'-8"	"	"	"	"	506	5.14
"	"	6'-8"	"	"	"	"	9'-8"	"	"	"	7'-2"	"	"	52	"	"	7'-3"	"	"	"	"	525	5.46
"	"	7'-3"	"	"	"	"	10'-3"	9	"	"	7'-9"	9	"	54	"	"	7'-10"	"	"	"	"	553	5.78
"	"	7'-10"	"	"	"	"	10'-10"	"	"	"	8'-4"	"	"	56	"	"	8'-5"	"	"	"	"	573	6.10
54"	5'-9"	6'-1"	5'-6"	3	2'-10"	7	9'-1"	8	8'-6"	7	6'-7"	8	6'-0"	52	8'-1"	12	6'-8"	12	7'-9"	4	4'-10"	562	5.85
"	"	6'-8"	"	"	"	"	9'-8"	"	"	"	7'-2"	"	"	54	"	"	7'-3"	"	"	"	"	583	6.20
"	"	7'-3"	"	"	"	"	10'-3"	9	"	"	7'-9"	9	"	56	"	"	7'-10"	"	"	"	"	614	6.56
"	"	7'-10"	"	"	"	"	10'-10"	"	"	"	8'-4"	"	"	58	"	"	8'-5"	"	"	"	"	635	6.91
60"	6'-3"	6'-8"	6'-1"	4	2'-10"	8	9'-8"	8	9'-1"	8	7'-2"	8	6'-7"	54	8'-7"	12	7'-3"	12	8'-4"	4	4'-10"	638	6.90

NOTE:
FOR 36" DIAMETER INLET OPENING DEDUCT 0.20 C.Y. CONCRETE.
FOR 48" DIAMETER INLET OPENING DEDUCT 0.35 C.Y. CONCRETE.
FOR 3' X 2' INLET OPENING DEDUCT 0.17 C.Y. CONCRETE.
FOR 3' X 3' INLET OPENING DEDUCT 0.25 C.Y. CONCRETE.
FOR 3'-4" X 3' INLET OPENING DEDUCT 0.28 C.Y. CONCRETE.

- GENERAL NOTES:
- ALL CONCRETE SHALL BE CLASS "A".
 - DIMENSIONS RELATING TO REINFORCING STEEL ARE TO CENTER OF BARS.
 - FIELD CUT AND BEND BARS AS REQUIRED TO ACCOMMODATE PIPES AND INLET EXTENSIONS.
 - CONSTRUCTION JOINT AT FLOWLINE MAY BE RAISED A MAXIMUM OF 6" AT OPTION OF THE CONTRACTOR. ADJUST LENGTH OF VERTICAL STEEL AS REQUIRED WITH A 20 DIAMETER LAP.
 - WHERE IT IS CONSIDERED NECESSARY, BARS CUT OUT TO PROVIDE OPENINGS FOR PIPE MAY BE BENT AND USED TO PROVIDE A BETTER TIE FOR EXTENSIONS AND PIPE AS DIRECTED BY THE ENGINEER.
 - WHEN STRUCTURE IS COMBINED WITH UPPER STRUCTURE, THE STRUCTURE LOCATION SHOWN IN THE PLANS REFERS TO THE CONTROL POINT OF THE UPPER STRUCTURE. WHEN STRUCTURE IS NOT COMBINED WITH UPPER STRUCTURE, THE LOCATION SHOWN IN THE PLANS REFERS TO THE CONTROL POINT SHOWN ON THIS SHEET.
 - WHEN USED WITH INLET OR MANHOLE, MEASURE AND PAY FOR JUNCTION BOX AND INLET OR MANHOLE BOX SEPARATELY.



PLAN - TOP SLAB
(BLOCK OUT NOT SHOWN)

REVISIONS: 10/09-Added note to pay for inlet or manhole separately		Texas Department of Transportation FORT WORTH DISTRICT © 2002 by Texas Department of Transportation; All Rights Reserved			
JUNCTION BOX STRUCTURE TYPE 2 JB-2-02 (FW)					
ORIG DRAW DATE: 8/02	DESIGNER: CHECKED:	FED. REG. 6 DISTRICT: FTW	STATE TEXAS COUNTY:	PROJ. NO. CONTROL SECTION:	HIGHWAY JOB SHEET: