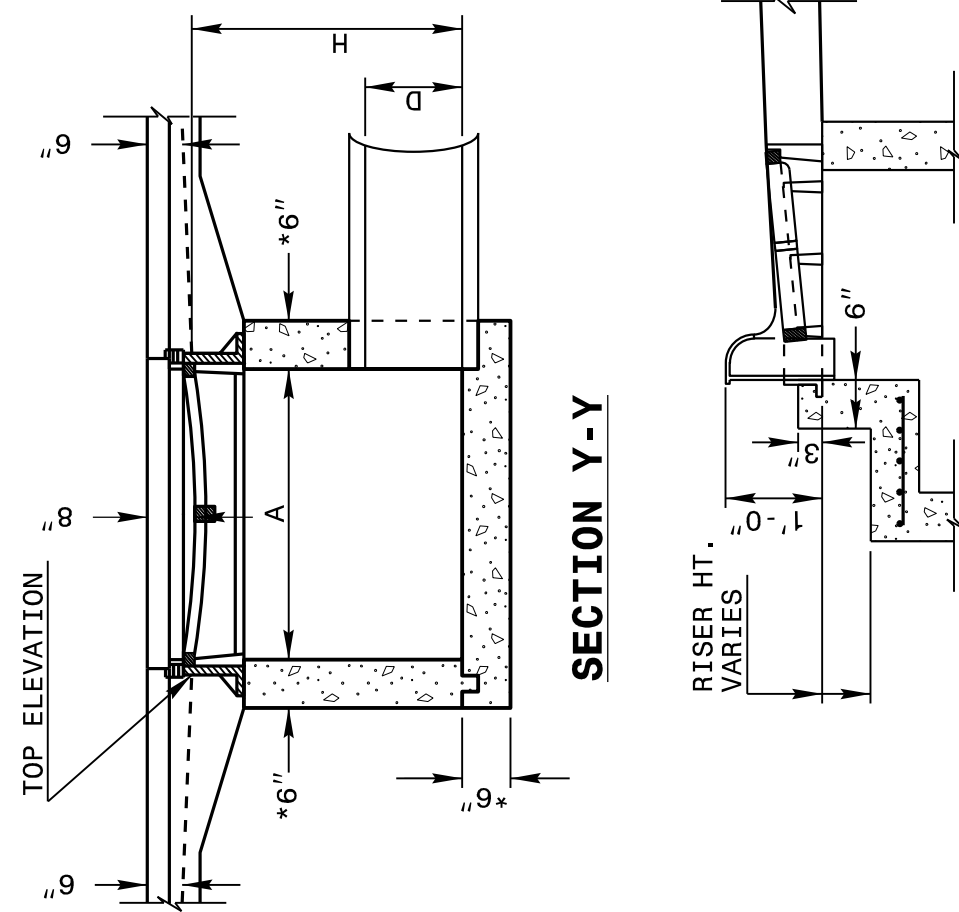


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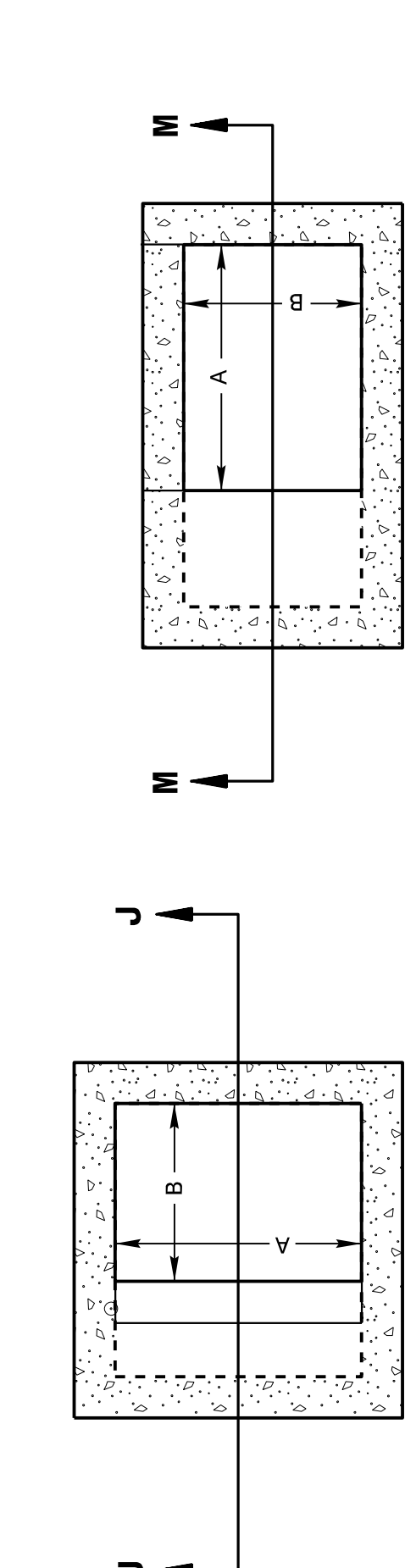
GENERAL NOTES:
USE CLASS "B" CONCRETE THROUGHOUT.
PROVIDE ALL CATCH BASINS OVER 3'-6" IN DEPTH WITH STEPS 12" ON CENTER. USE STEPS WHICH COMPLY WITH STD. DRAWING 840.66.
OPTIONAL CONSTRUCTION - MONOLITHIC FOUR, 2" KEYWAY, OR #4 BAR DOWELS AT 12 CENTERS AS DIRECTED BY THE ENGINEER.
USE FORMS FOR THE CONSTRUCTION OF THE BOTTOM SLAB.
IF REINFORCED CONCRETE PIPE IS SET IN BOTTOM SLAB OF BOX, ADD TO SLAB AS SHOWN ON STD. NO. 840.00.
USE TYPE "E", "F" AND "G" GRATES UNLESS OTHERWISE INDICATED.
* USE 6" WALLS FOR BOXES UP TO 8' IN HEIGHT. USE 8" WALLS, 8" BOTTOM SLAB AND 8" TOP SLAB FOR BOXES GREATER THAN 8' IN HEIGHT AND UP TO 20' IN HEIGHT.
CONSTRUCT WITH PIPE CORNERS MATCHING.
CHAMFER ALL EXPOSED CORNERS 1".
** FOR STRUCTURES WITH PIPE LARGER THAN 54", MAKE THE TOP SLAB 8" THICK.

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ENGLISH DETAIL DRAWING FOR
**EXTRA DEPTH
CONCRETE CATCH BASIN**
12" THRU 84" PIPE



ENGLISH DETAIL DRAWING FOR
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12" THRU 84" PIPE

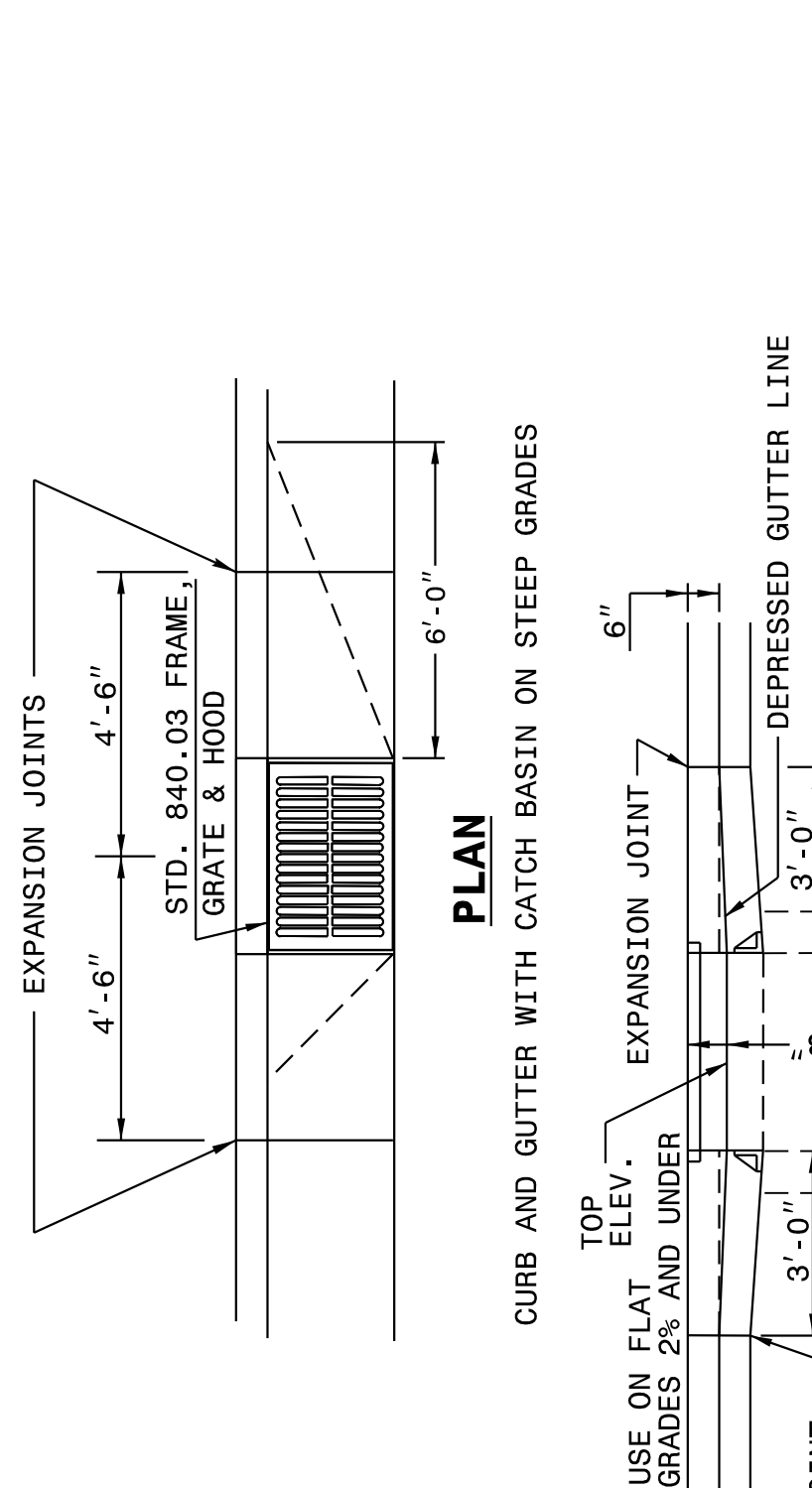


DETAIL SHOWING METHOD
OF RISER CONSTRUCTION

SHEET 1 OF 2
840D02

SHEET 1 OF 2
840D02

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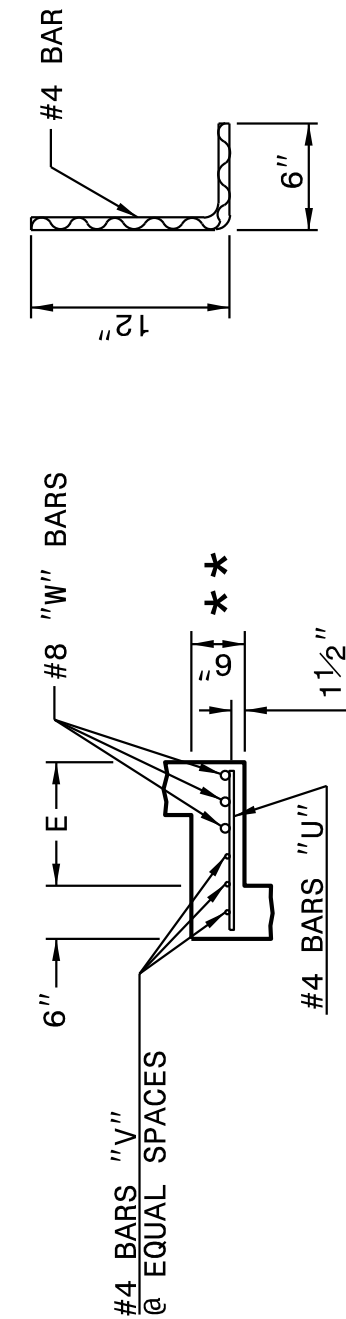
** FOR STRUCTURES WITH PIPE LARGER THAN 54",
MAKE THE TOP SLAB 8" THICK.

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ENGLISH DETAIL DRAWING FOR
**EXTRA DEPTH
CONCRETE CATCH BASIN**
12" THRU 84" PIPE

PLAN OF TOP SLAB

SECTION S-S



SECTION R-R

DOWEL

ELEVATION

ELEVATION

* RISER HAS .228 CUBIC YARDS OF CONCRETE PER FOOT HEIGHT

MINIMUM DIMENSIONS AND QUANTITIES FOR CONCRETE CATCH BASIN (BASED ON MIN. HEIGHT, H, WITH NO RISER) *									
DIMENSIONS OF BOX AND PIPE					COVER				
PIPE D.	SPAN A.	WIDTH B.	WIDTH C.	SPAN G.	MIN. H.	HEIGHT H.	COVER E.	F.	
12"	3'-0"	2'-2"	--	--	2'-0"	--	--	--	
15"	3'-0"	2'-2"	--	--	2'-3"	--	--	--	
18"	3'-0"	2'-2"	--	--	2'-6"	--	--	--	
24"	3'-0"	2'-2"	3'-4"	3'-10"	3'-1"	--	--	--	
30"	3'-0"	2'-2"	3'-4"	3'-10"	3'-1"	1'-2"	4'-4"	4	1'-5"
36"	3'-0"	2'-2"	3'-10"	3'-10"	4'-6"	1'-8"	4'-10"	4	1'-11"
42"	3'-0"	2'-2"	4'-5"	4'-5"	4'-11"	2'-2"	5'-5"	5	2'-5"
48"	3'-0"	2'-2"	5'-0"	5'-0"	5'-6"	2'-10"	6'-0"	5	3'-1"
54"	3'-0"	2'-2"	5'-7"	5'-7"	6'-0"	3'-5"	6'-7"	6	3'-8"
60"	3'-0"	2'-2"	6'-3"	6'-3"	6'-6"	4'-1"	7'-3"	6	4'-4"
66"	3'-0"	2'-2"	6'-11"	6'-11"	7'-0"	4'-9"	7'-11"	7	5'-0"
72"	3'-0"	2'-2"	7'-6"	7'-6"	7'-6"	5'-3"	8'-6"	7	5'-6"
78"	3'-0"	2'-2"	8'-1"	8'-1"	8'-0"	5'-11"	9'-1"	8	6'-2"
84"	3'-0"	2'-2"	8'-9"	8'-9"	8'-6"	6'-7"	9'-9"	8	6'-10"

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10/13/2025

