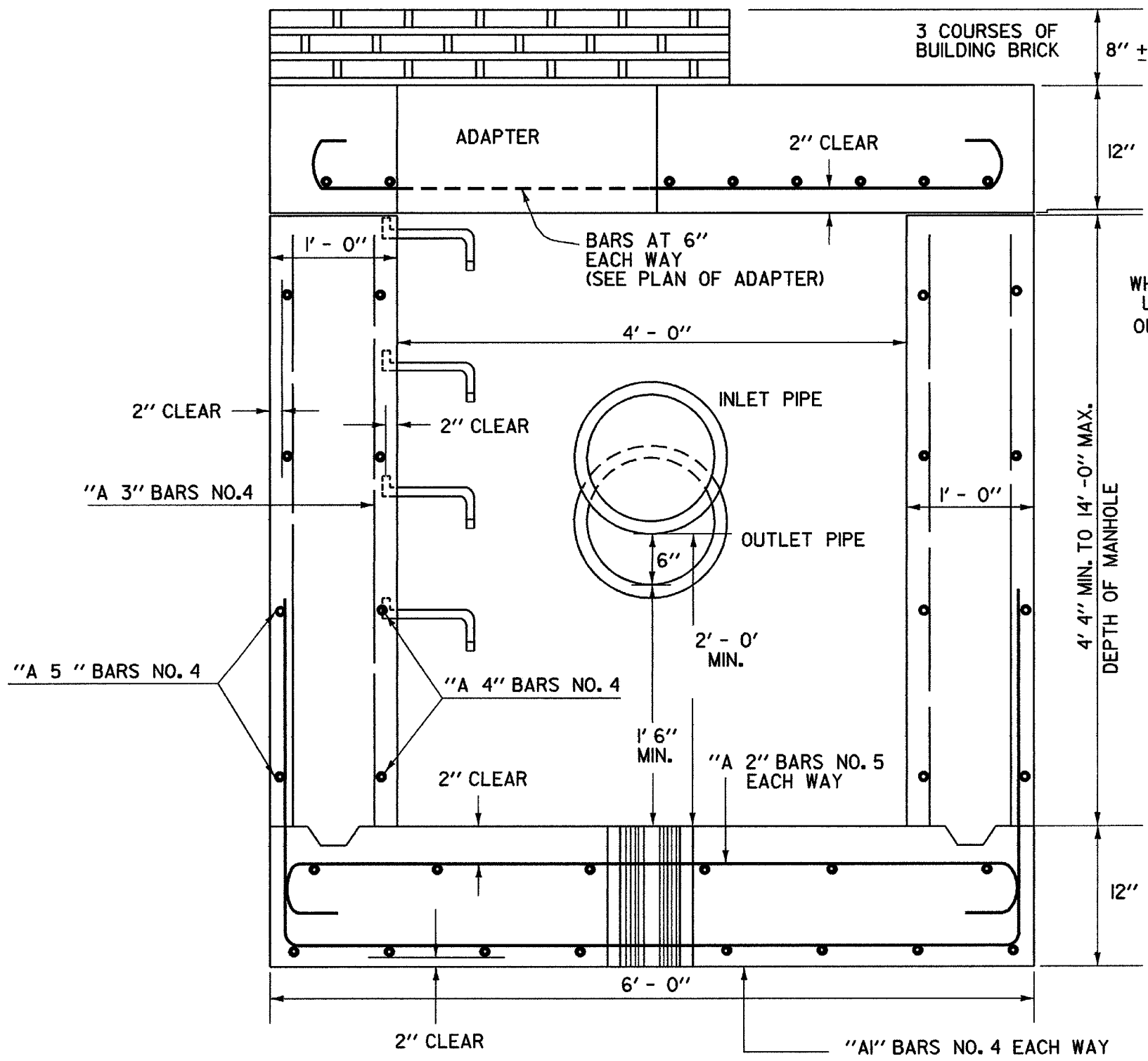
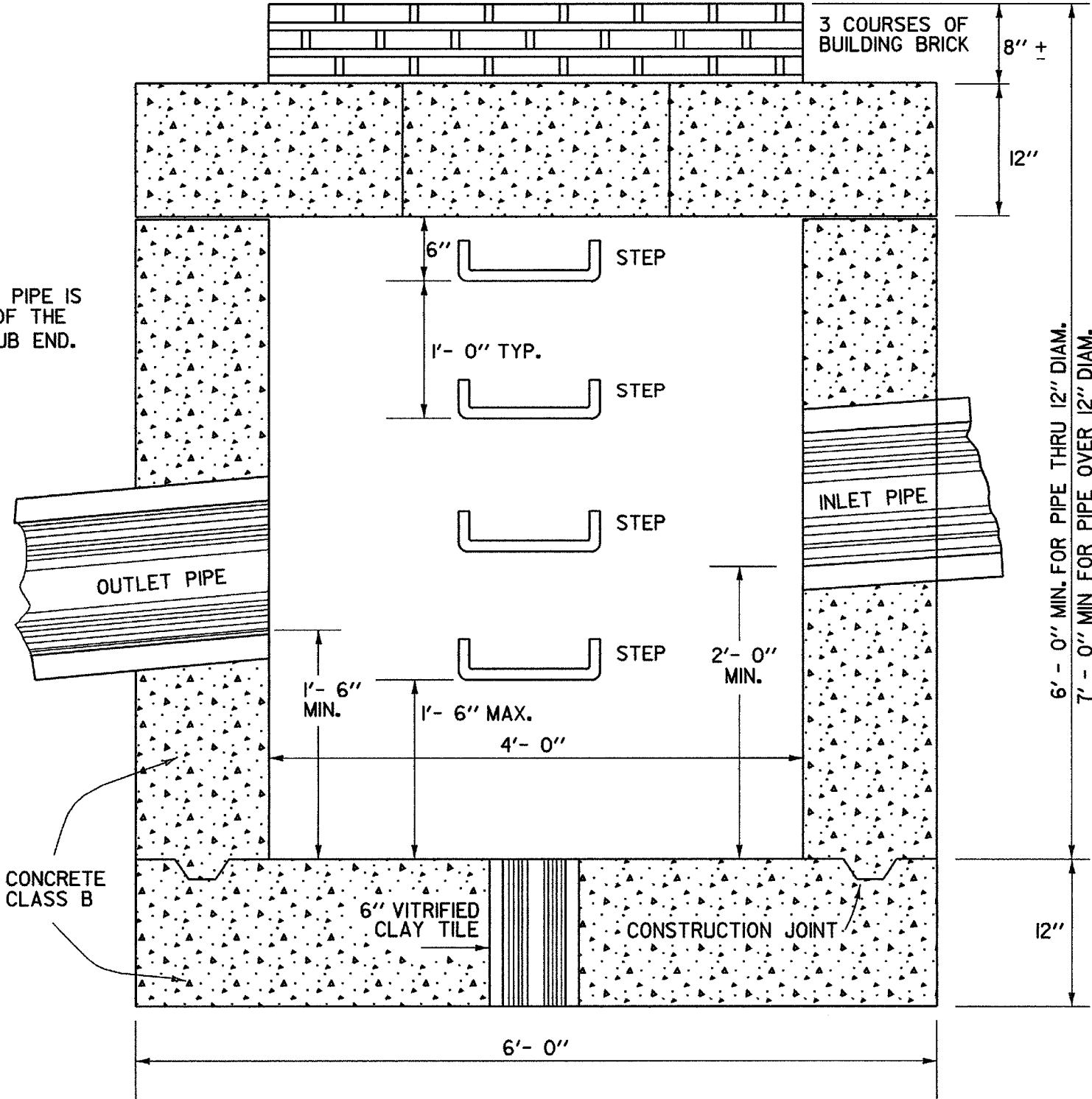


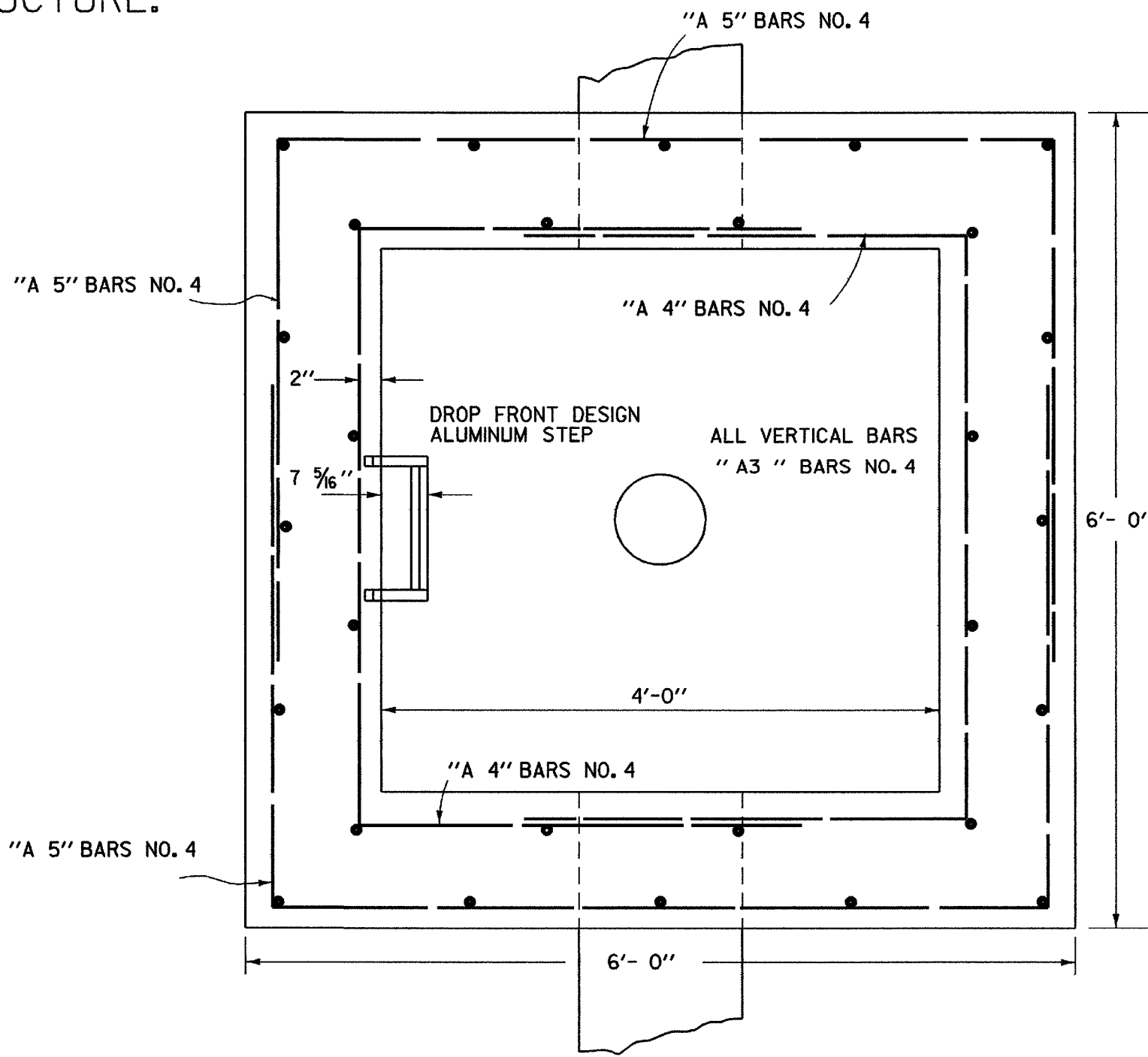
ANY OF THE COMBINATIONS OF TOPS, CURBS AND GRATES FOUND ON SHEETS D-6,
D-9, D-10, D-11, D-15, AND D-16 CAN BE ADAPTED FOR USE WITH THIS STRUCTURE.



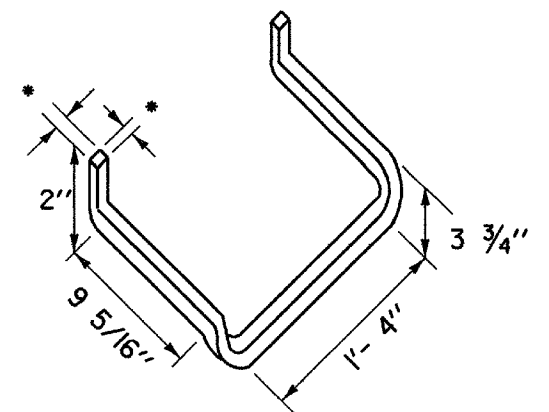
FRONT ELEVATION



SIDE ELEVATION

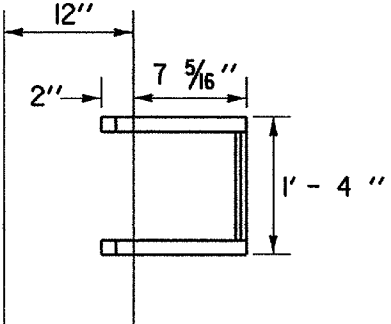


PLAN VIEW



ALUMINUM STEP (DROP FRONT)

• - INDIVIDUAL METAL RUNGS SHALL HAVE A MINIMUM DIMENSION OF 1" AND SHALL BE PAINTED OR OTHERWISE TREATED TO RESIST CORROSION AND RUSTING.

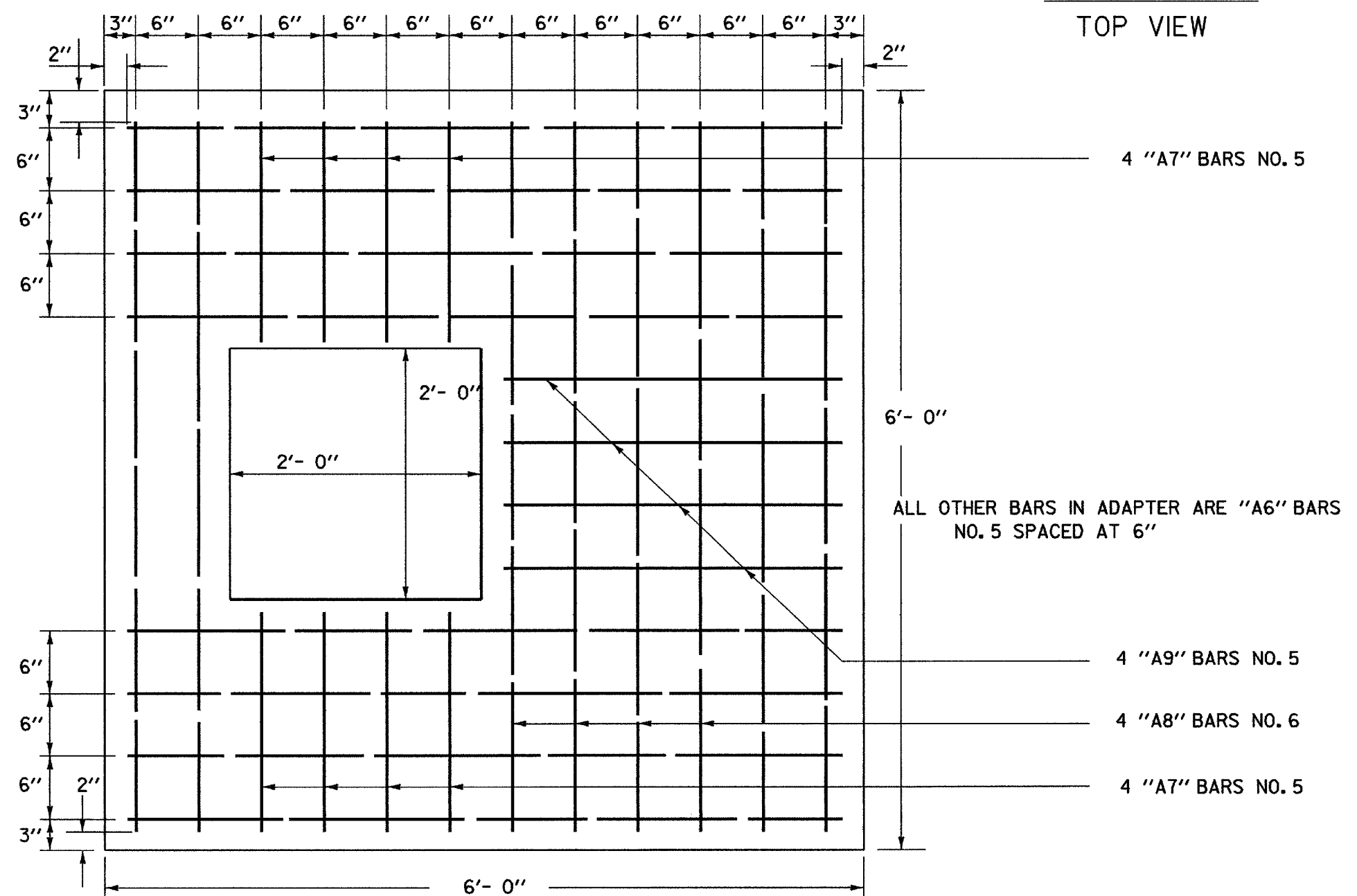


STEP (TOP VIEW)

REINFORCING STEEL SCHEDULE FOR CATCH BASIN						
BAR	HEIGHT					
	4'-4" MIN.	6'-0"	8'-0"	10'-0"	12'-0"	14'-0"
A 1	16 BARS NO. 4 AT 9"	16	16	16	16	16
A 2	12 BARS NO. 5 AT 15"	14 NO. 5 AT 12"	14 NO. 5 AT 12"	16 NO. 5 AT 10"	18 NO. 5 AT 9"	18 NO. 5 AT 9"
A 3	28 BARS NO. 4 AT 18"	28	28	28	28	28
A 4	8 BARS NO. 4 AT 15"	10	14	18	20	24
A 5	8 BARS NO. 4 AT 15"	10	14	18	20	24
A 6	12 BARS NO. 5 AT 6"	12	12	12	12	12
A 7	8 BARS NO. 5 AT 6"	8	8	8	8	8
A 8	4 BARS NO. 6 AT 6"	4	4	4	4	4
A 9	4 BARS NO. 5 AT 6"	4	4	4	4	4
TOTAL WEIGHT (LBS)	576	654	756	873	954	1060

1. MORTAR TYPE II TO BE USED FOR JOINT FILLER AND LAYING OF BRICK.
2. THREE COURSES OF BUILDING BRICK TO BE PLACED ON TOP OF CONCRETE ADAPTER PRIOR TO PLACING CONCRETE SEAT TO FACILITATE CHANGING ELEVATION OF CATCH BASIN OR MANHOLE
3. ALL REINFORCING BARS SPACED AS SHOWN OR NOTED. FOR SIZE AND LENGTH, SEE SCHEDULE. ALL REINFORCING STEEL TO BE ROUND DEFORMED BARS.
4. THE ADAPTER SHALL BE PLACED ON THE CATCH BASIN SO AS TO PROVIDE DIRECT ACCESS TO STEPS.
5. A7 AND A9 BARS MAY BE CUT FROM A6 BARS IN ORDER TO REDUCE THE NUMBER OF DIFFERENT BAR MARKS.

		A3 BARS NO. 4 STRAIGHT							
A1 BARS NO. 4	A2 BARS NO. 5	HEIGHT	LENGTH	A4 BARS NO. 4	A5 BARS NO. 4	A6 BARS NO. 5	A7 BARS NO. 5	A8 BARS NO. 6	A9 BARS NO. 5
TOTAL LENGTH 11'- 3"	TOTAL LENGTH 6'- 10"	4'- 4"	4'- 2"	TOTAL LENGTH 10'- 11"	TOTAL LENGTH 13'- 4"	TOTAL LENGTH 6'- 10"	TOTAL LENGTH 2'- 3"	TOTAL LENGTH 6'- 10"	TOTAL LENGTH 3'- 3"
B=2'-10"	A= 7"	6'- 0"	5'- 10"	B=3'-3"	B=3'-10"	A= 7"	A= 7"	A= 7"	A= 7"
C = 5'- 7"	G= 7"	8'- 0"	7'- 10"	C = 4'- 5"	C = 5'- 8"	B=5'- 8"	B=1'- 8"	B=5'- 8"	B=2'- 8"
		10'- 0"	9'- 10"						
		12'- 0"	11'- 10"						
		14'- 0"	13'- 10"						



PLAN VIEW OF ADAPTER STEEL LAYOUT

REVISIONS AND CORRECTIONS

DEC. 14, 1971- ORIGINAL APPROVAL

AUG. 10, 1981- REVISED STEP AND ADAPTER DESIGN

MAR. 23, 1994 - ADDED STEP DETAIL

JUNE 1, 1994 - REISSUED, WITHOUT CHANGE, UNDER NEW SIGNATURES.

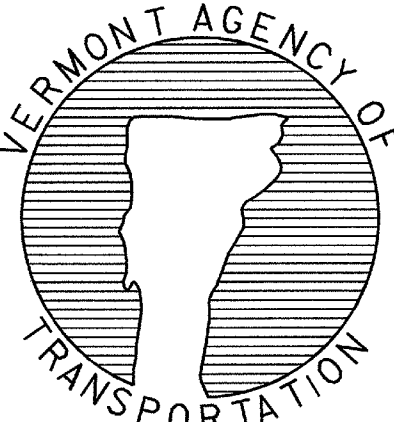
JAN 3, 2000 - CORRECTED TITLE AND MINOR EDITORIAL CHANGES

APPROVED

[Signature]
DIRECTOR OF PROJECT DEVELOPMENT

[Signature]
ROADWAY AND TRAFFIC DESIGN ENGINEER

CONCRETE CATCH BASIN



STANDARD

D-13