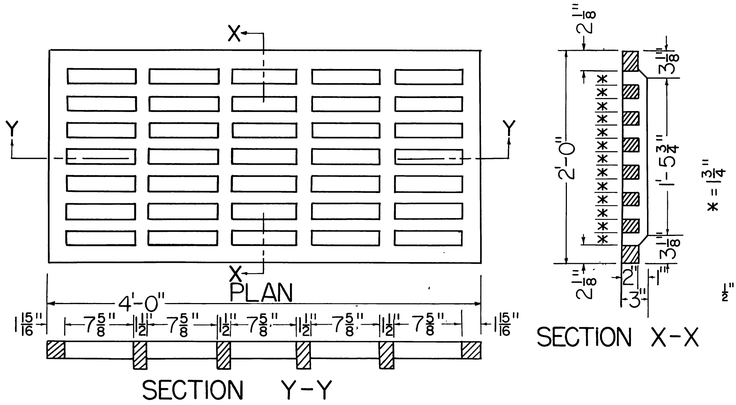
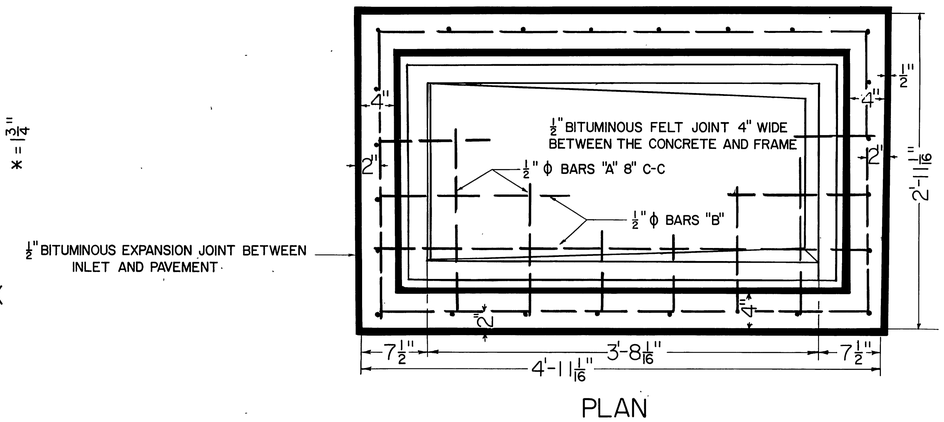
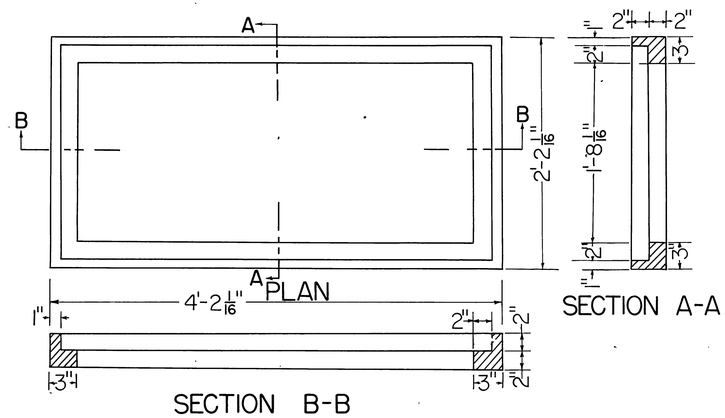
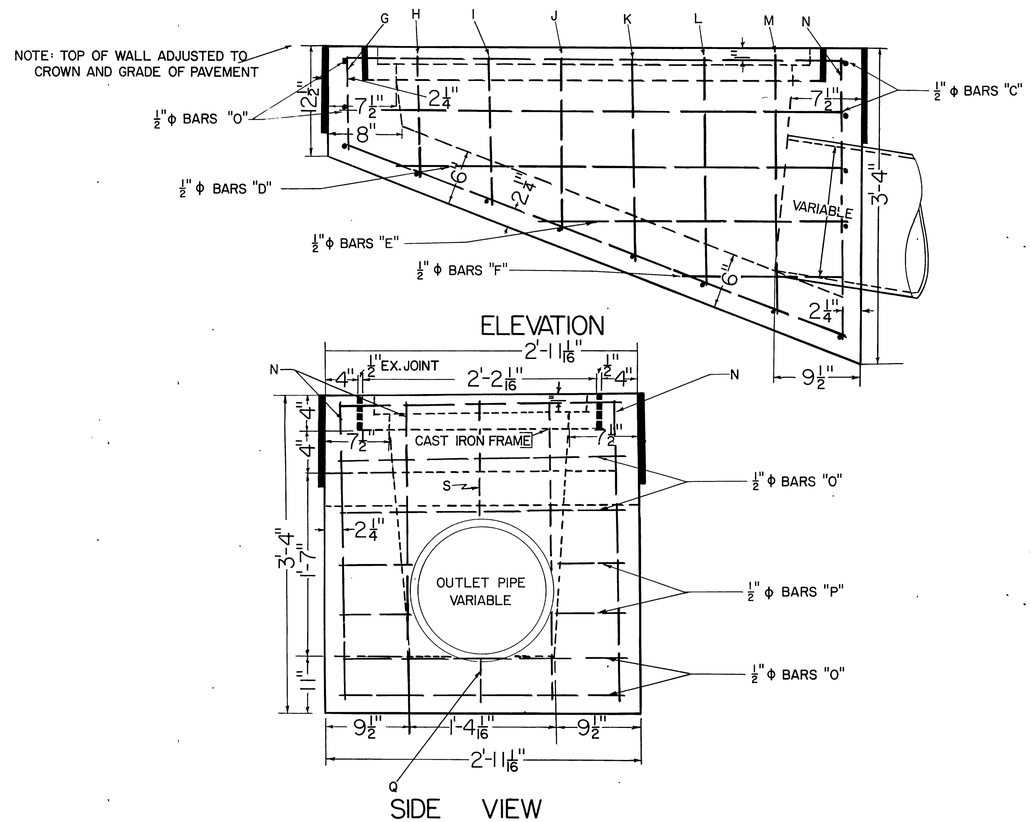


DETAIL OF CAST IRON GRATE





DETAIL OF CAST IRON FRAME



QUANTITIES					
REINFORCING STEEL					
BARS	NO	SIZE	LENGTH	DESCRIPTION	SPACING
A	8	1/2" ϕ	2'-8"	TRANSVERSE FOOTINGS	8" C-C
B	5	"	5'-1"	LONGITUDINAL	8" C-C
C	4	"	4'-8"	" SIDE WALLS	6" "
D	2	"	4'-3"	" " "	6" "
E	2	"	3'-0"	" " "	6" "
F	2	"	1'-6"	" " "	6" "
G	5	"	0'-11"	VERTICAL END WALLS	8" "
H	2	"	1'-2"	" SIDE WALLS	8" "
I	2	"	1'-5"	" " "	8" "
J	2	"	1'-8"	" " "	8" "
K	2	"	1'-11"	" " "	8" "
L	2	"	2'-2"	" " "	8" "
M	2	"	2'-5"	" " "	8" "
N	4	"	2'-8"	" SIDES & END WALLS	8" "
O&O	5	"	2'-8"	LONGITUDINAL " "	6" "
P	4	"	0'-8"	" " "	6" "
Q	1	"	0'-5"	" " "	8" "
R	1	"	0'-9"	" " "	8" "
S	1	"	1'-0"	VERTICAL " "	8" "
T	1	"	1'-2"	" " "	8" "
TOTAL WEIGHT OF 1/2" ϕ BARS					92.9 LBS.
CAST IRON GRATE				CALC. 356	LBS.
" " FRAME				" 251	"
1/2" BITUMINOUS EXPANSION JOINT MATERIAL 4" WIDE LIN. FT.					13'-0"
1/2" " " " " 8" " " "					15'-10"
CUBIC YARDS CONCRETE					.62 CU. YDS.

⚠ NOTE:
CONCRETE SHALL BE CLASS FL60AE OR SG65AE.
REINFORCING STEEL SHALL BE DEFORMED BARS.
REINFORCING SHALL BE TIE WIRED AT ALL POINTS OF INTERSECTION.

⚠ REVISED BY P.J.V. 1/68

CITY OF OMAHA
DEPARTMENT OF PUBLIC IMPROVEMENTS

STANDARD DRAWING
SINGLE BASIN GRATE INLET
TYPE "B-B"

DESIGNED BY	SCALE:	CHECKED BY	DRAWING NO.
J. M. B.	1 1/2" = 1'-0"	D. E. F.	145163

STANDARD PLATE NO. 712

STANDARD BLUE PRINT, OMAHA, NEBR. 97209