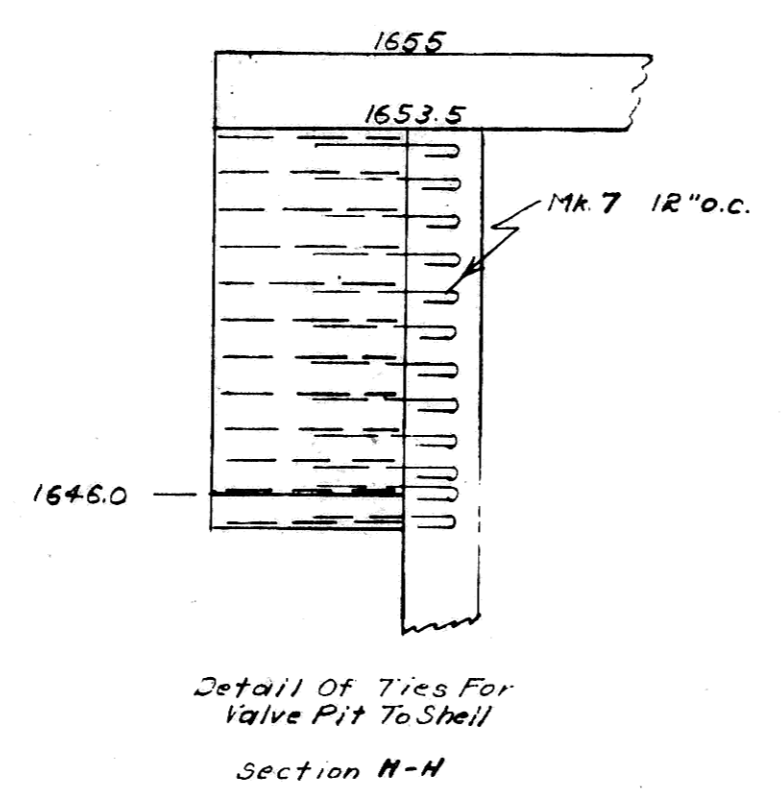


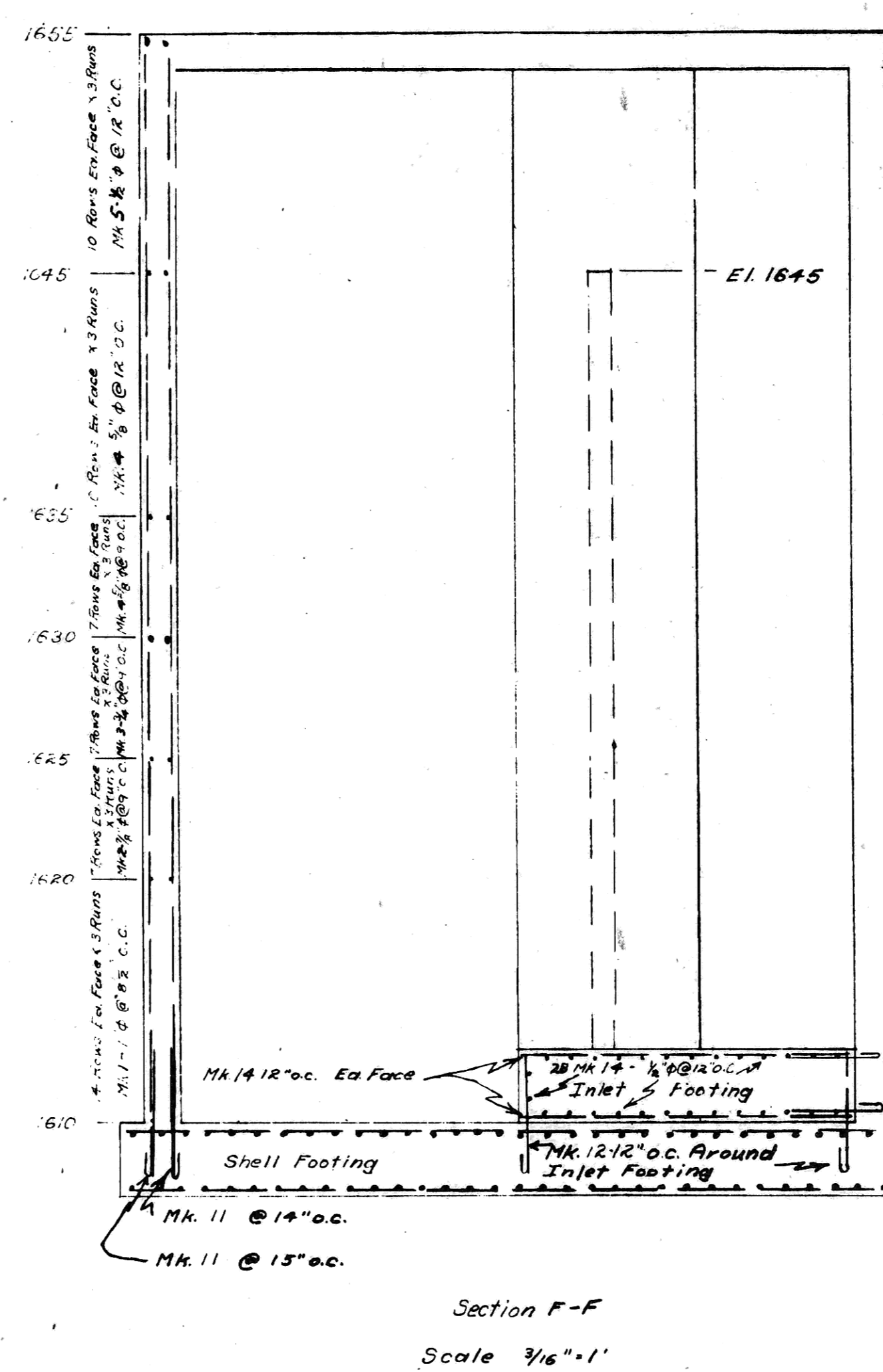
All-riote Bottom Slab Detail If Sunk As Caisson. Scale - 1/4" = 1'

NOTE - Hooked Dowels Into Floor & Footing Slabs Section G-G Scale - 3/16" = 1'

Inlet And Ring Detail Scale - 1/4" = 1'

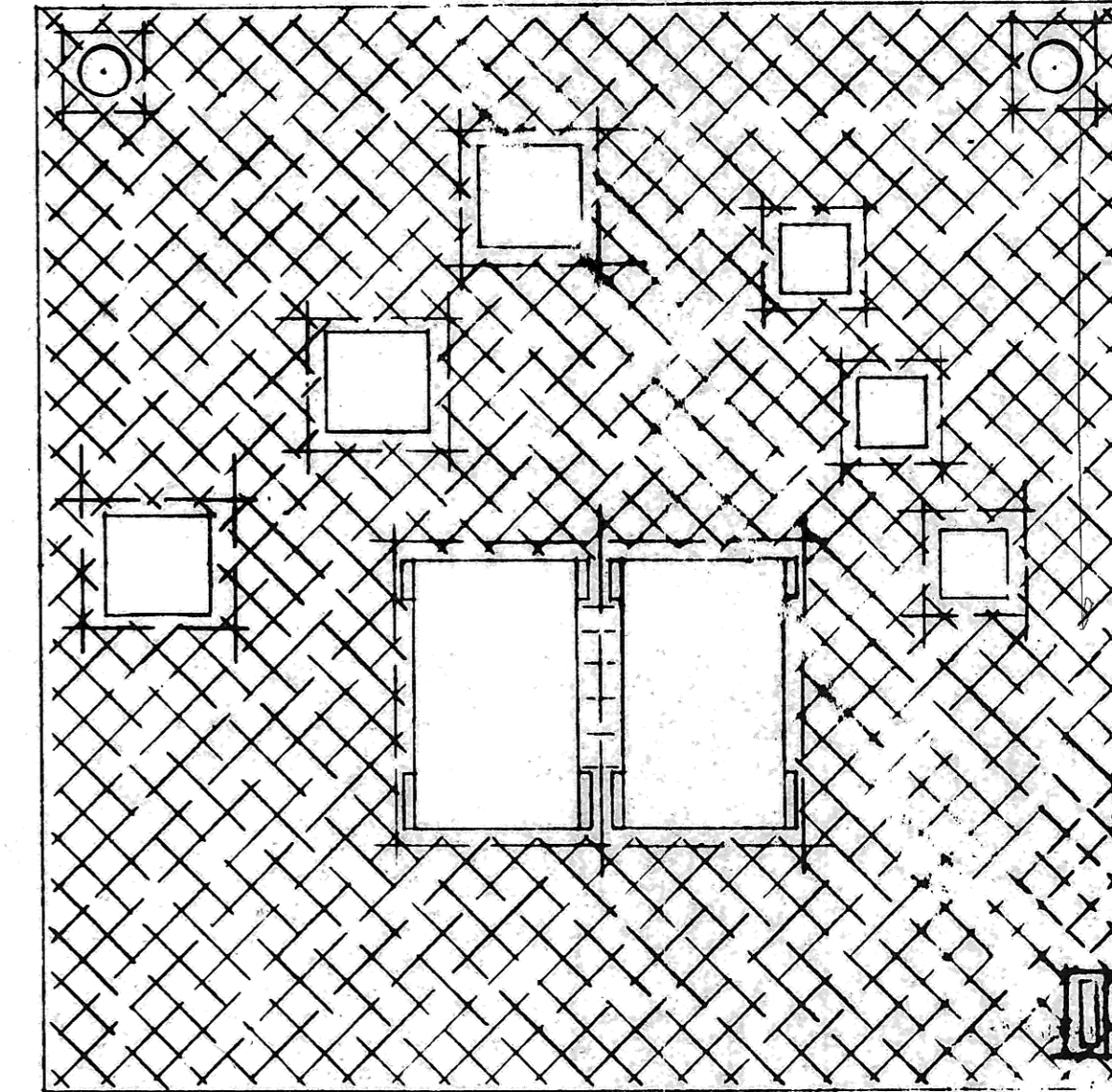


Detail Of Ties For Valve Pit To Shell Section N-N

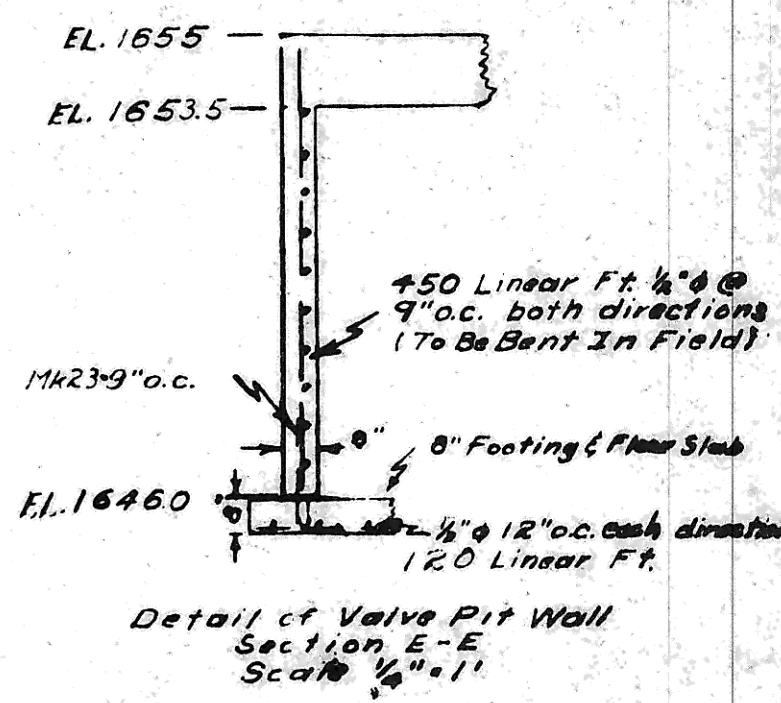


Section F-F Scale 3/16" = 1'

Reinforcing Steel - Bar Schedule Table											TYPE SKETCHES		
Mark	No.	Req.	Dia	Type	Length	Reading Dimensions				Type			
						a	b	c	R				
Shell:											Type A		
1	84	1"	A	35'0"							<p>"R" - Bending Radius</p>		
2	42	1/2"	A	35'0"									
3	42	1/2"	A	35'0"									
4	102	1/2"	A	35'0"									
5	60	1/2"	A	35'0"									
6	308	3/8"	B	24'0"	24'0"								
7	384	1/2"	C	5'0"	4'6"	4"							
8	12	1/2"	C	2'0"	1'0"	1'0"							
9	12	1/2"	C	3'6"	3'0"	4"							
10	12	1/2"	C	2'6"	2'0"	4"							
Shell Footing:											Type B		
11	154	1"	C	5'6"	5'0"	4"							
12	56	1/2"	C	5'0"	4'0"	4"							
13	28	1/2"	C	3'6"	3'0"	4"							
Plus 3640 Linear Ft of 1" @ (Cut in Field)											Type C		
Inlet Footing:											Type D		
14	56	1/2"	B	13'0"	13'0"	4"					<p>"R" = 3-6 Bar Diam</p>		
15	74	1"	C	5'6"	5'0"	4"							
Side Walls Inlet Structure (Top Backup Wall):												Type E	
16	168	1/2"	B	12'0"	12'0"						<p>"R" = Min. of 4 Bar Diam.</p>		
17	112	1/2"	B	24'0"	24'0"								
18	56	1/2"	B	17'0"	17'0"								
19	144	1/2"	C	8'0"	7'6"	4"							
Center Pier Inlet Structure:											Type F		
20	38	1/2"	D	7'0"	12"	3'0"					<p>"R" = 3-6 Bar Diam.</p>		
21	36	1"	B	24'0"	24'0"								
Floor Slab Supports:											Type G		
22	12	1/2"	F	8'6"	7'0"	1'0"	4"						
Plus 400 Linear Ft of 1" @ (Cut in Field)												Type H	
Floor:											Type I		
23	26	1/2"	C	5'0"	4'6"	4"							
Plus 570 Linear Ft of 1/2" @ (Cut in Field)												Type J	
24	9	1"	C	5'0"	4'6"	4"							
Plus 3640 Linear Ft of 1" @ (Cut in Field)													



Floor Steel Detail Scale 3/16" = 1'



Detail of Valve Pit Wall Section E-E Scale 1/4" = 1'

Job: WATER WORKS IMPROVEMENTS, 1953 PHASE II

File No. _____ Date: _____
Revised: _____

SHEET NO. 4 OF 9 SHEETS Scale: AS SHOWN

DRAWN BY: CHECKED BY: _____
STEEL SCHEDULES AND DETAILS

George J. Tomlin
N. P. E. No. 195
Consulting Engineer
Mandan, North Dakota