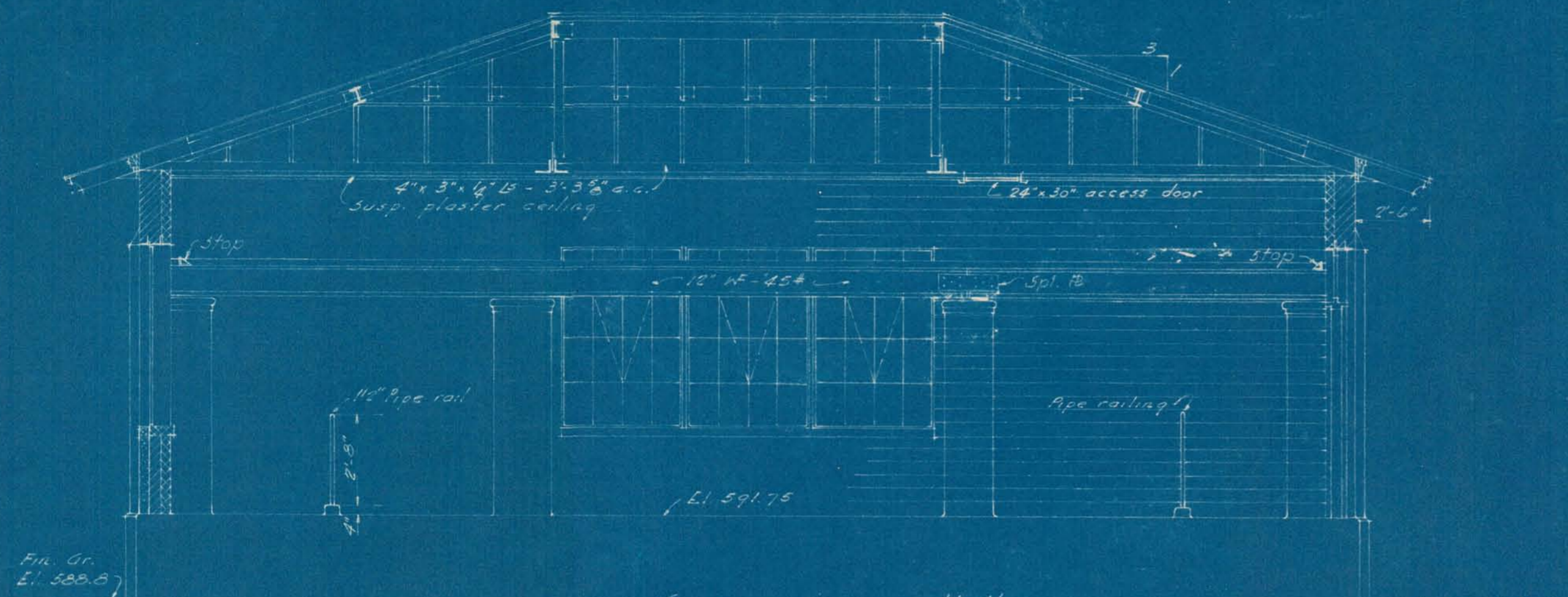


- SYMBOLS
- Water mains—new
 - - - Existing water mains
 - Sewer
 - Steam supply
 - Steam return
 - Underground electric ducts
 - - - 583 Existing contours
 - (585.5) Finish grade elevation

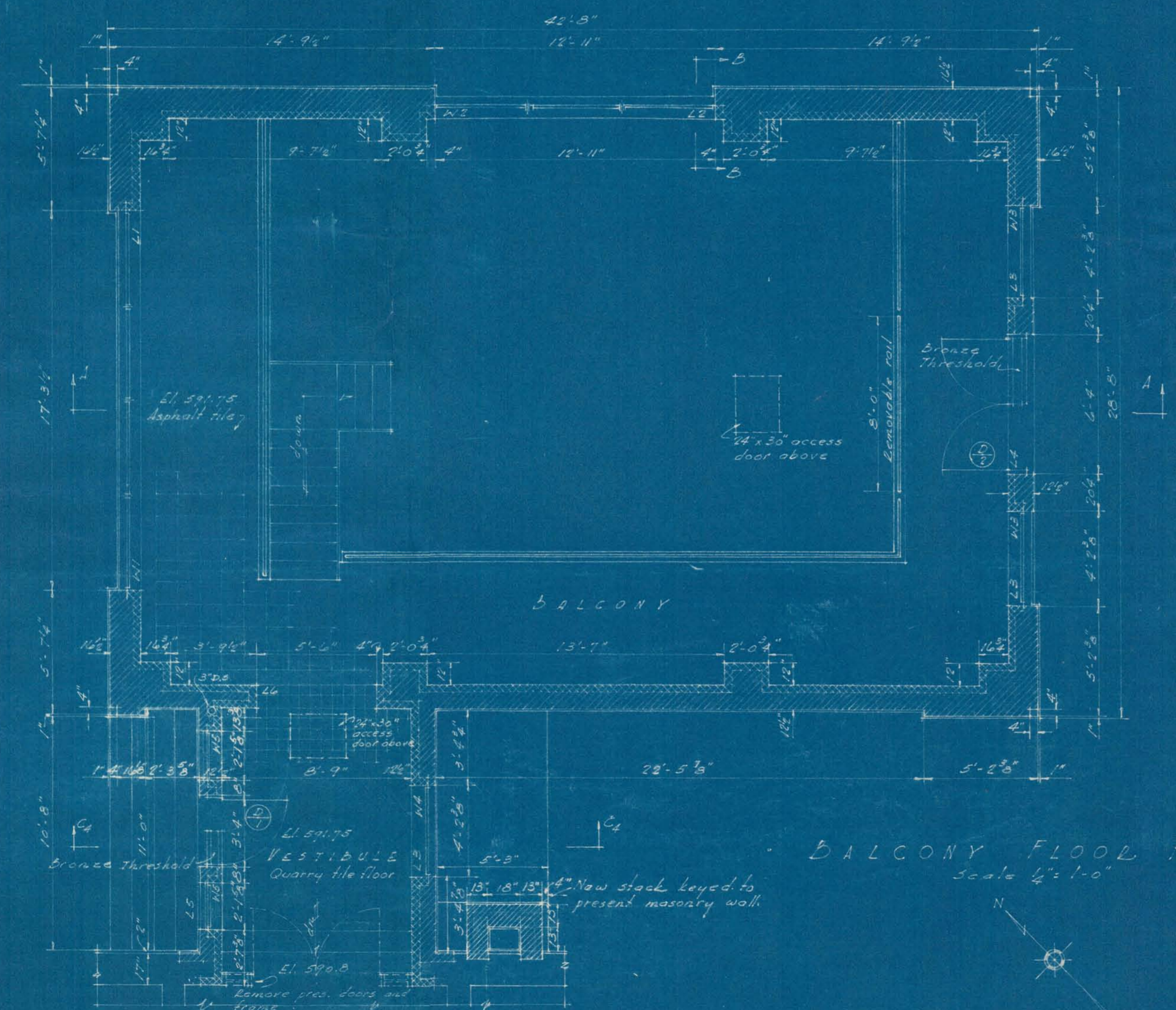
Note:
Test hole shown on plan showed rock at about 7' below ground surface, or at approx. El. 579.

4-C-4-2

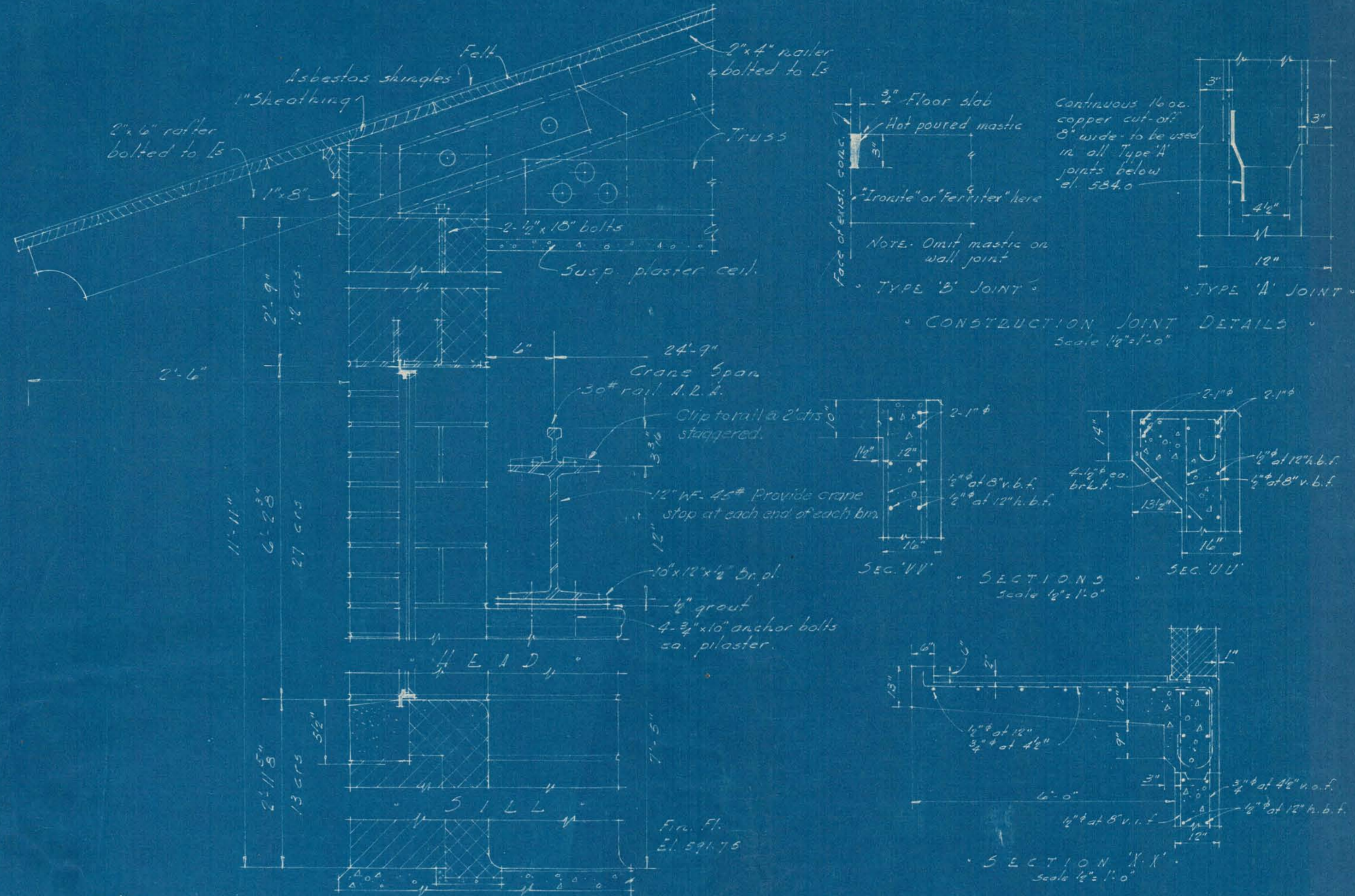
SHOECRAFT, DRURY AND MC NAMEE CONSULTING ENGINEERS ANN ARBOR, MICHIGAN			CITY OF ALPENA MICHIGAN WATER WORKS IMPROVEMENTS		
SCALE 1" = 20'	ISSUED	JAN. 1945			
DRAWN BY L. R. H.	TRACED BY H. F.	CHECKED BY S. H.			
ISSUE	NATURE OF REVISION	DATE	GENERAL LAYOUT PLAN		
			D. M. OAKES CITY MANAGER		
			SHEET 1 OF 3		



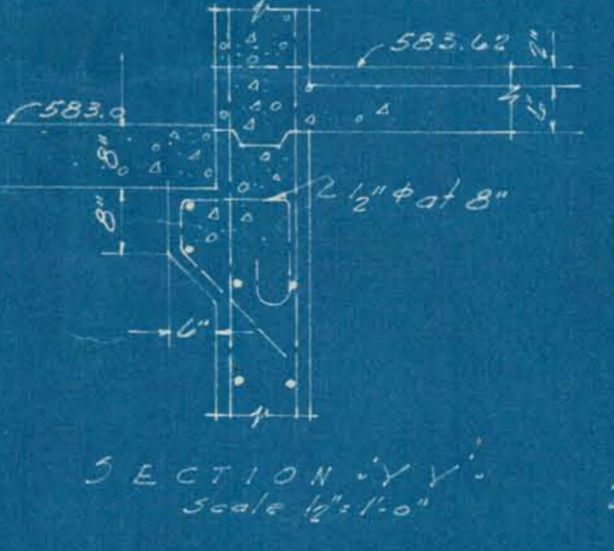
SECTION 4-4
Scale 1/4" = 1'-0"



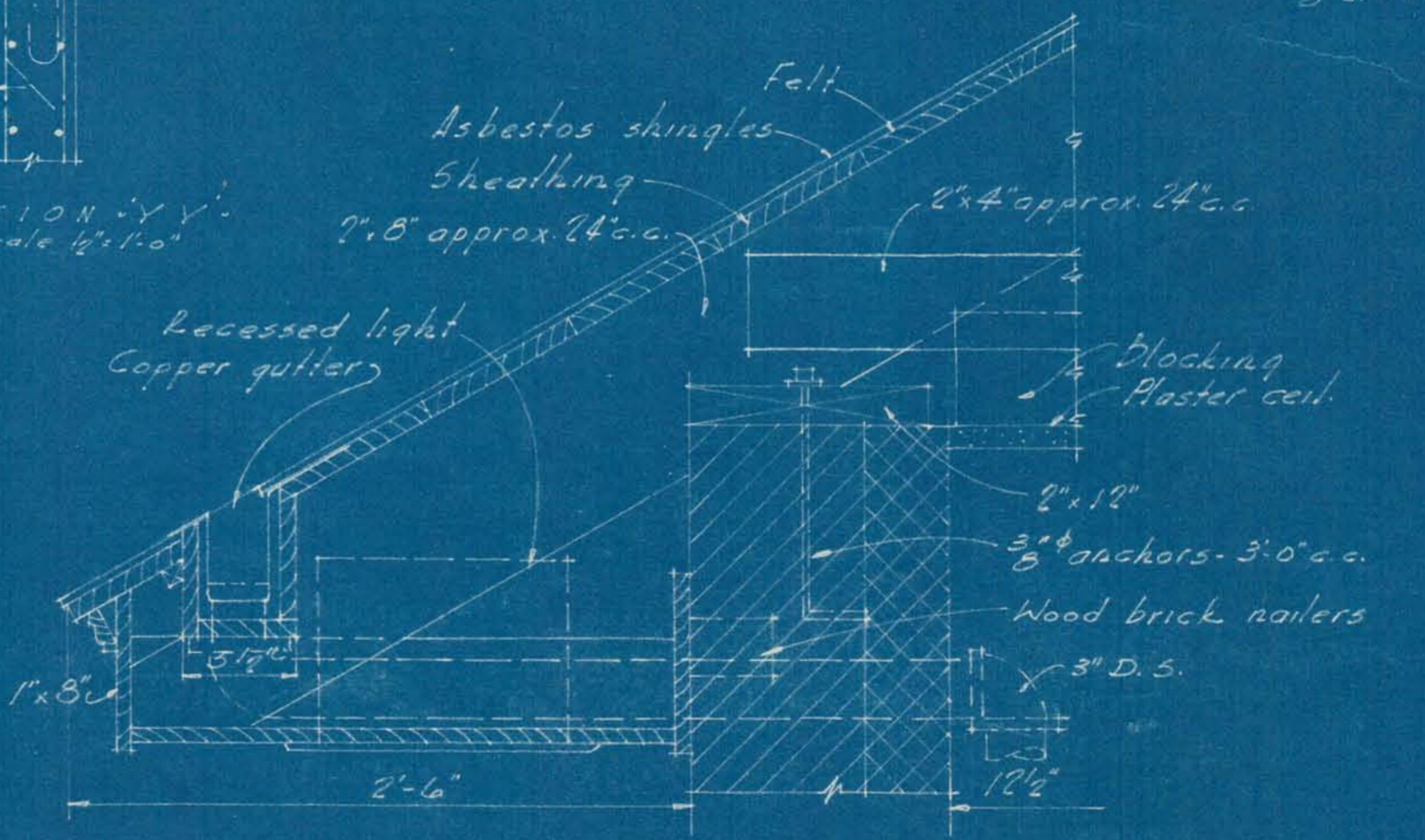
BALCONY FLOOR PLAN
Scale 1/4" = 1'-0"



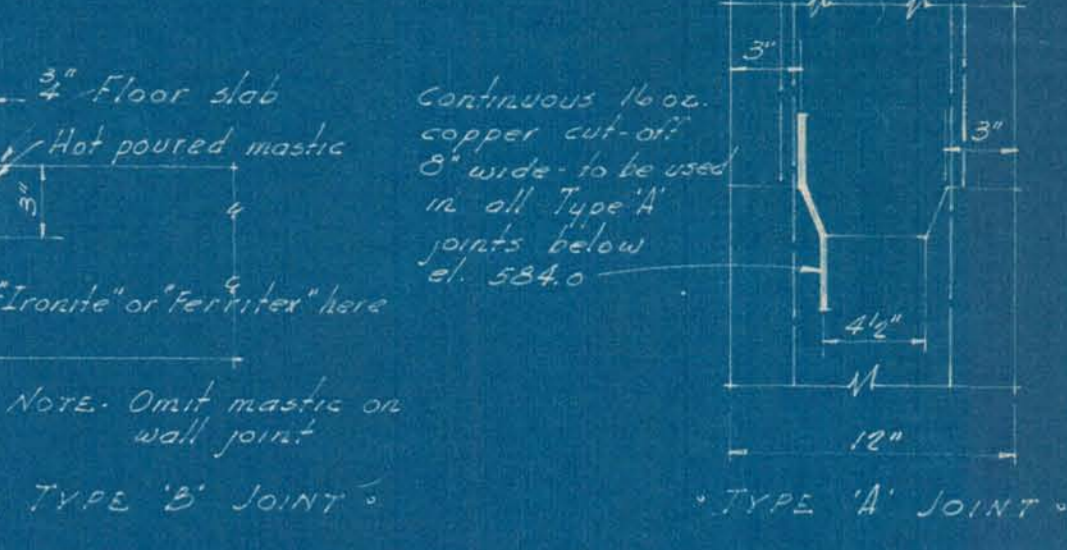
TYPICAL WALL SECTION BB
Scale 1/2" = 1'-0"



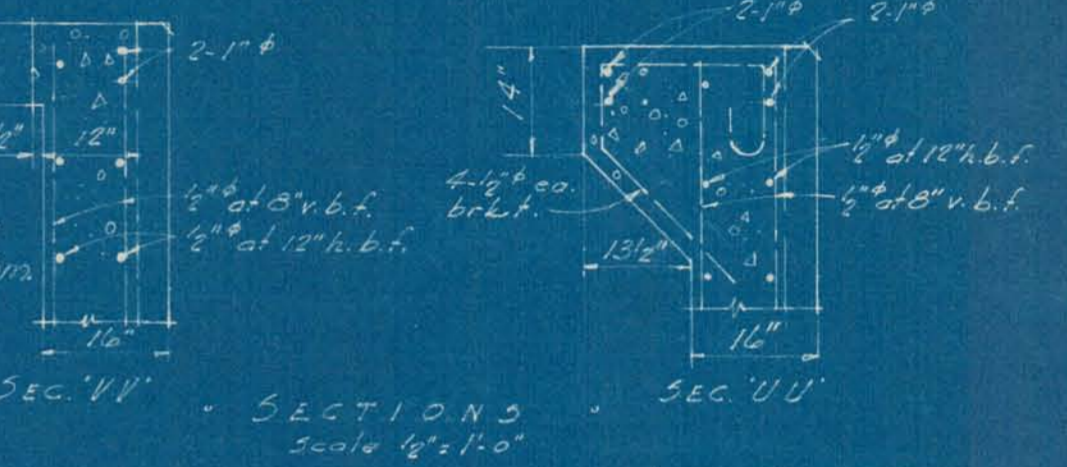
SECTION Y-Y
Scale 1/2" = 1'-0"



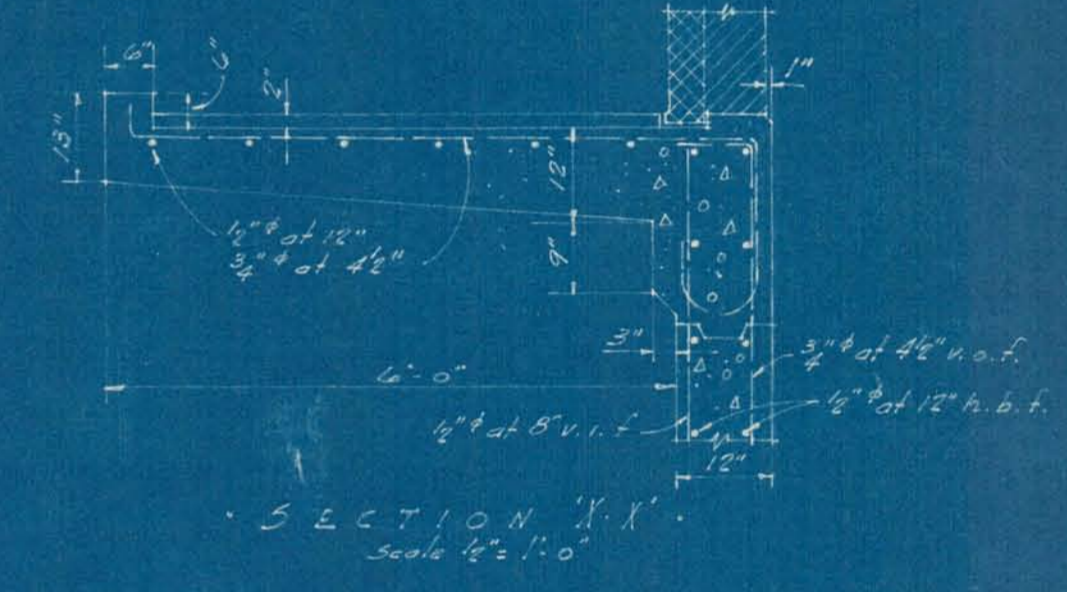
BOX GUTTER
Scale 1/2" = 1'-0"



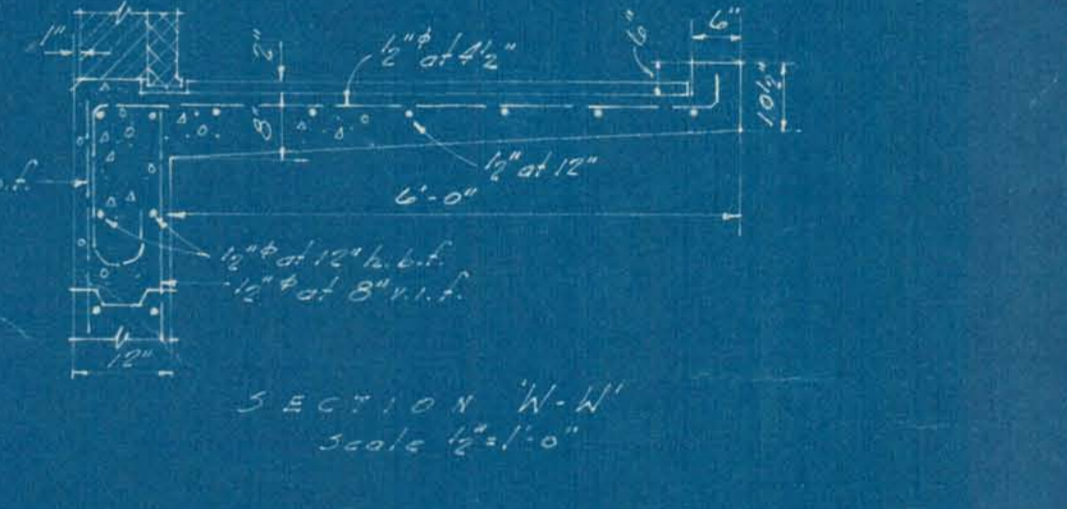
CONSTRUCTION JOINT DETAILS
Scale 1/2" = 1'-0"



SECTION V-V SECTION U-U
Scale 1/2" = 1'-0"



SECTION W-W
Scale 1/2" = 1'-0"

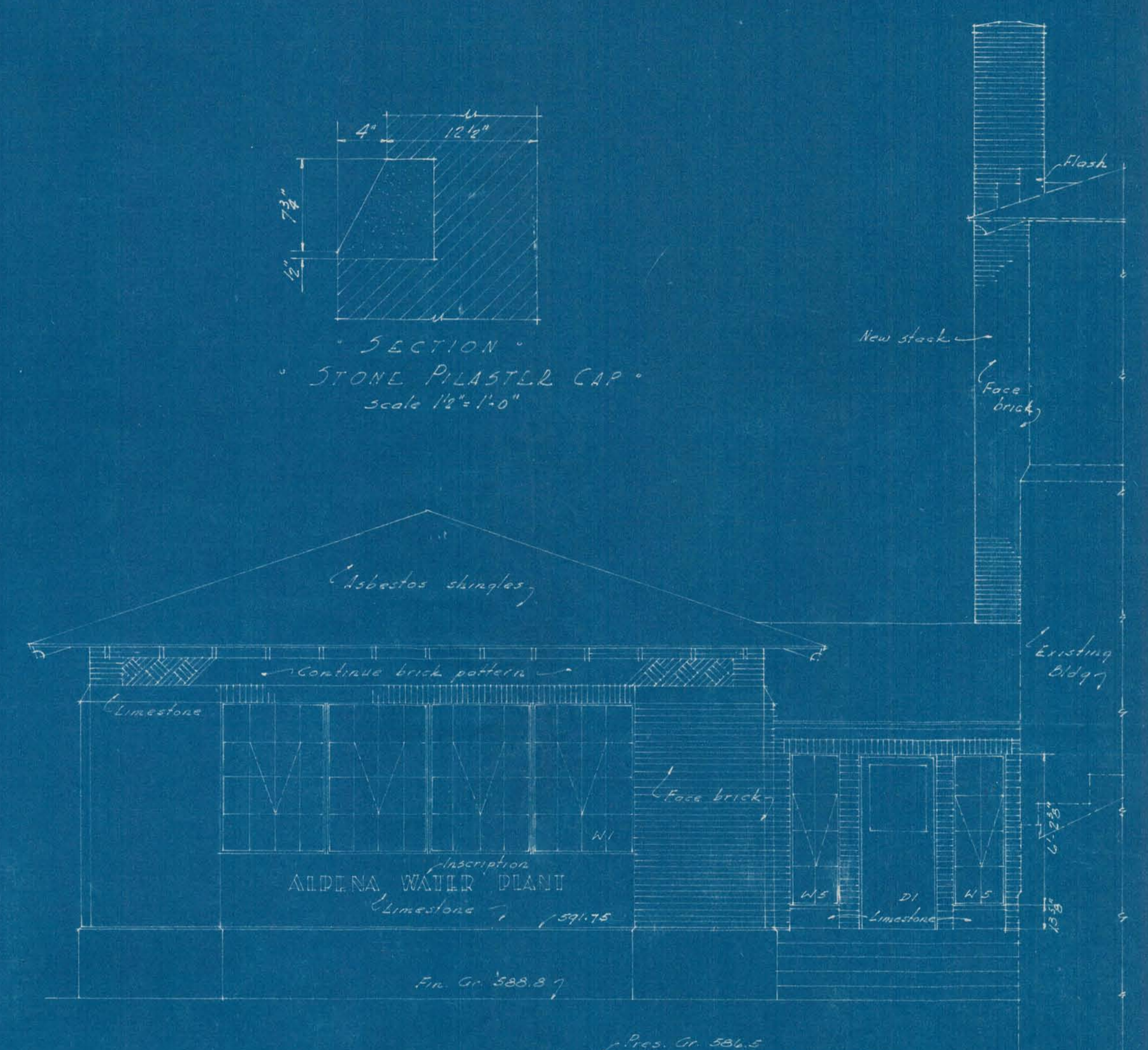
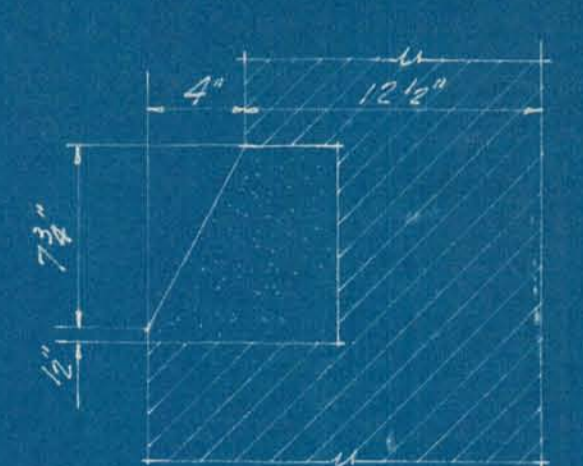
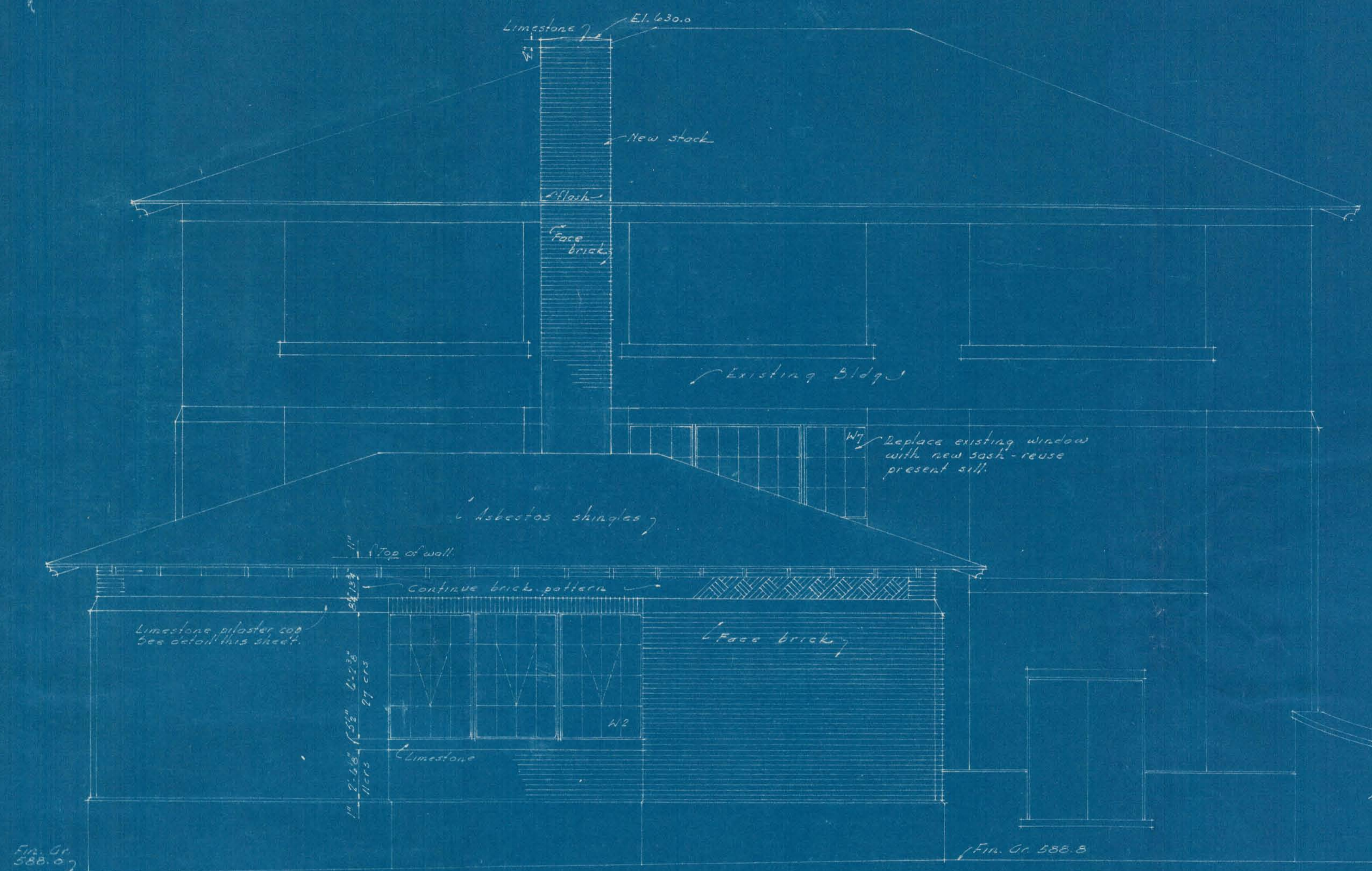


SECTION W-W
Scale 1/2" = 1'-0"

SYMBOLS

	BRICK		CONCRETE
	TILE		STEEL
	STONE		QUARRY TILE

SHOECRAFT, DRURY AND MCNAMEE CONSULTING ENGINEERS ANN ARBOR, MICHIGAN			CITY OF ALPENA MICHIGAN WATER WORKS IMPROVEMENTS HIGH SERVICE PUMPING STATION BALCONY PLAN & SECTIONS
SCALE AS NOTED	ISSUED JAN 1945	CHECKED N.S.H.	
DRAWN L.L.T.	TRACED L.L.T.	CHECKED N.S.H.	D.M. OAKES CITY MANAGER
ISSUE	NATURE OF REVISION	DATE	
			SHEET OF 6



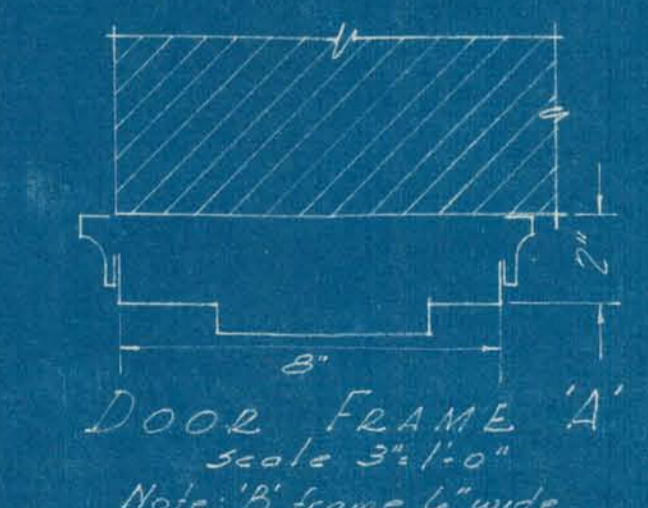
NORTH ELEVATION
scale 1/4"=1'-0"

WEST ELEVATION
scale 1/4"=1'-0"

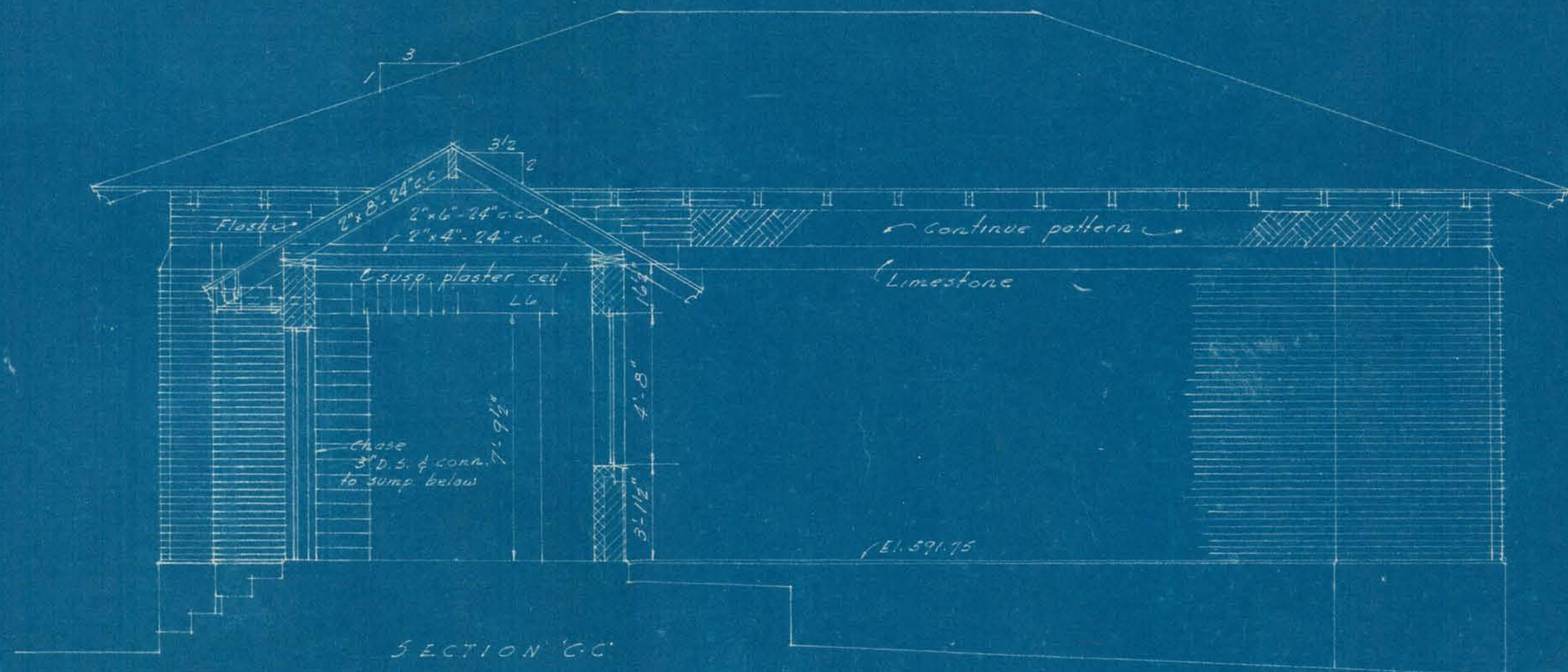
LINTEL SCHEDULE					
SYMBOL	SIZE	LENGTH	TYPE	REQD	REMARKS
L1	1-1/2" x 3" x 1/2" L 1-3/4" x 3" x 1/2" L	20'-2"	┌┐	1	s.l.o.
L2	1-1/2" x 3" x 1/2" L 1-3/4" x 3" x 1/2" L	15'-1"	┌┐	1	s.l.o.
L3	2-3/4" x 3 1/2" x 1/2" L 1-7/8" x 4" PL	5'-2"	┌┐	3	
L4	1-4" x 5-1/4" L 1-1/2" x 4" PL	7'-4"	┌┐	1	
L5	1-4" x 3" x 1/2" L 1-3/4" x 3" x 1/2" L	10'-0"	┌┐	1	s.l.o.
L6	1-3" x 4-1/2" L 1-11" x 4" PL	4'-6"	┌┐	1	
L7	1-3/4" x 3 1/2" x 1/2" L 1-3" x 3" x 1/2" L	9'-2"	┌┐	3	
L8	1-3/4" x 3 1/2" x 1/2" L 1-10 1/2" x 4" PL	4'-4"	┌┐	1	
L9	See detail - 61.47			1	Precast conc.

DOOR SCHEDULE					
SYMBOL	SIZE	REQD	MATERIAL	FRAME	REMARKS
D1	3'-0" x 7'-2" x 1 3/4"	2	Hollow metal	A	Upper panel glazed screened
D2	2'-3'-0" x 7'-0" x 1 3/4"	1	" "	A	do
D3	2'-2'-6" x 7'-0" x 1 3/4"	1	" "	B	

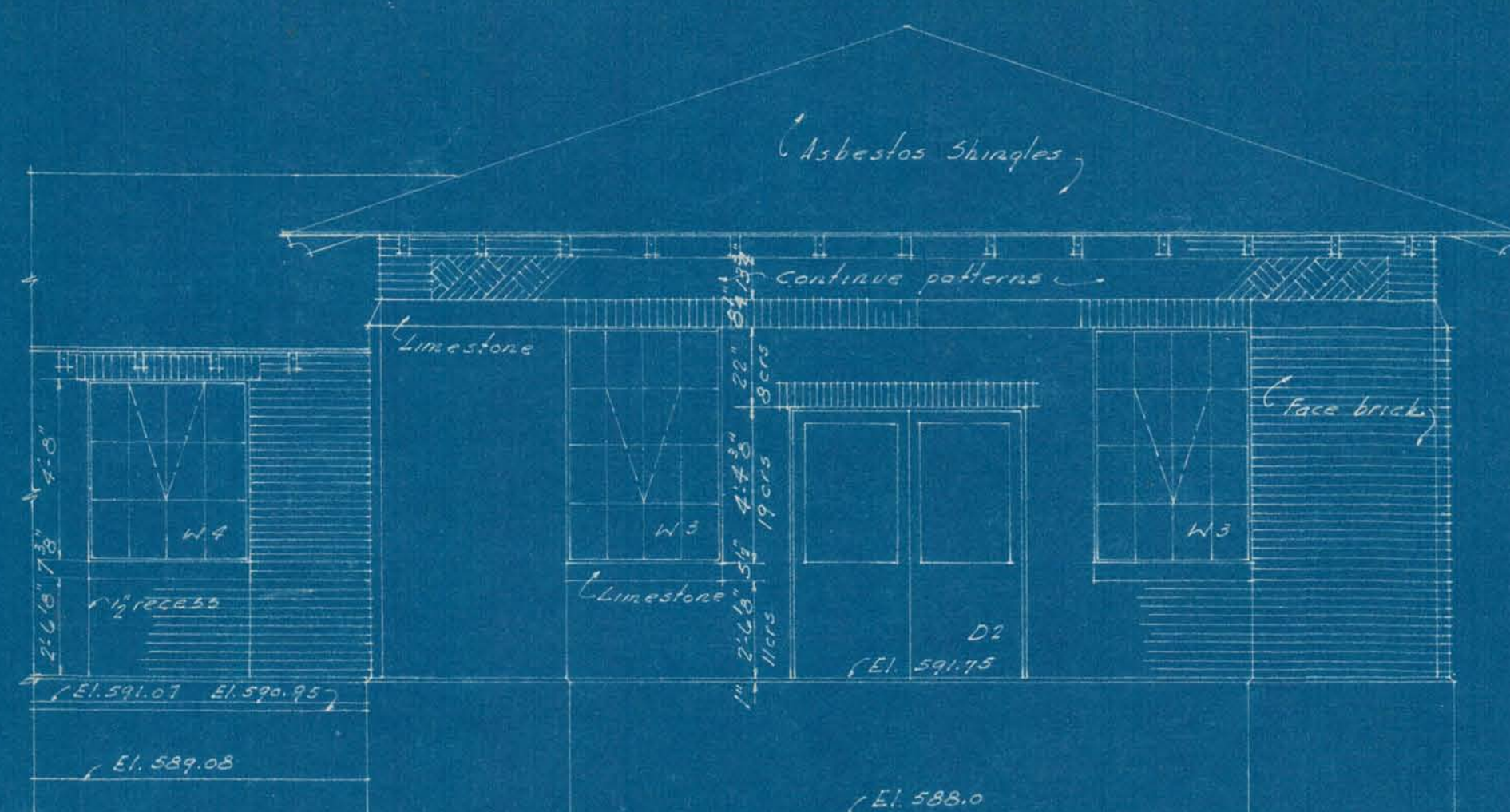
WINDOW SCHEDULE				
SYMBOL	TYPE	REQD	MASONRY OPNG	REMARKS
W1	Com. Proj.	1	17'-3 1/2" x 6'-2 3/8"	
W2	do	1	12'-11 1/2" x 6'-2 3/8"	
W3	do	2	4'-2 3/8" x 6'-2 3/8"	
W4	do	1	4'-2 3/8" x 4'-8"	
W5	do	2	2'-1 5/8" x 6'-2 3/8"	
W6	do	3	2'-1 5/8" x 4'-8"	
W7	do	1	11'-10 3/4" x 4'-8"	Replacing pres. sash over exist. entrance



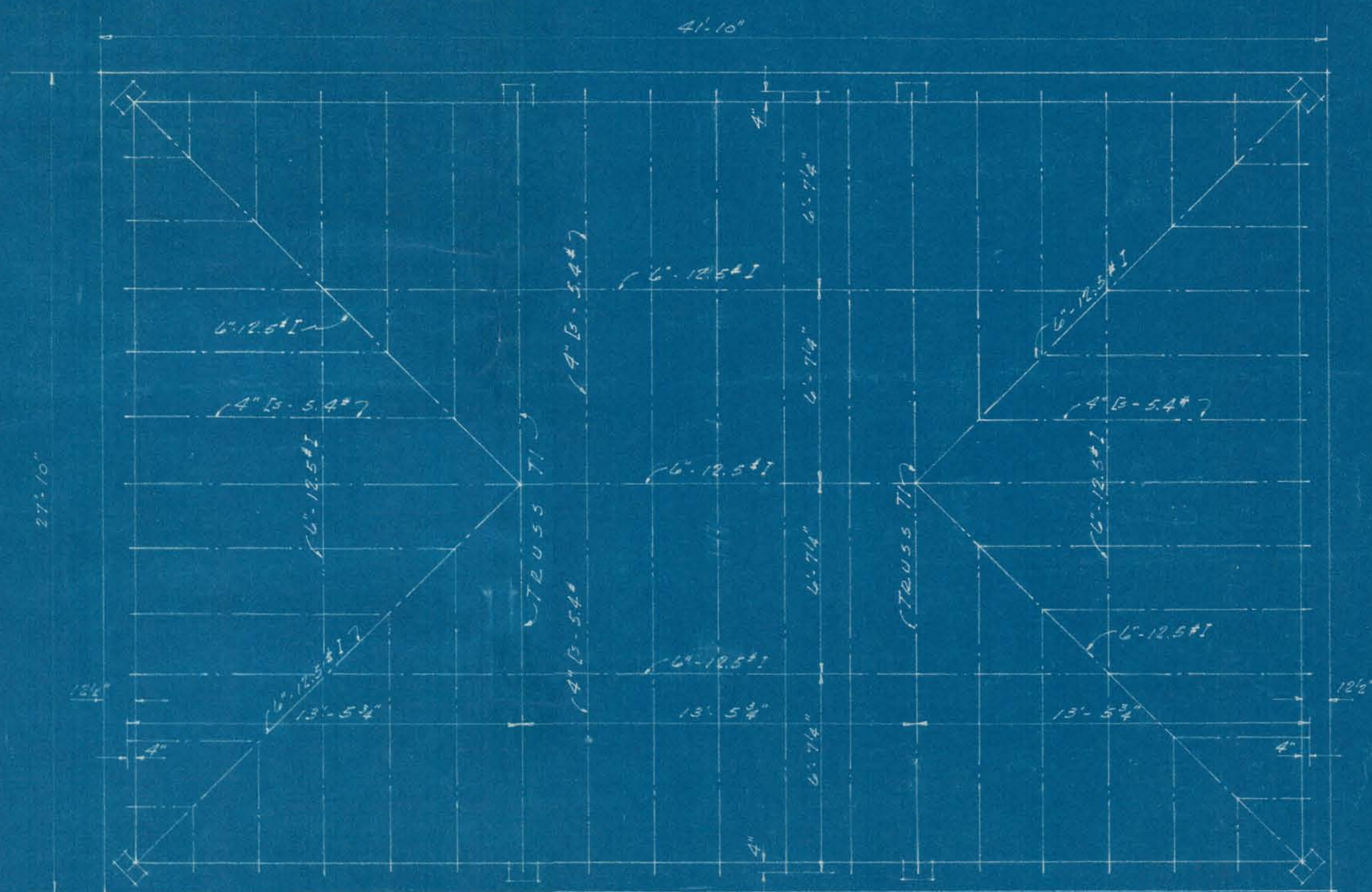
SHOECRAFT, DRURY AND MC NAMEE CONSULTING ENGINEERS ANN ARBOR, MICHIGAN		CITY OF ALPENA MICHIGAN WATER WORKS IMPROVEMENTS HIGH SERVICE PUMPING STATION ELEVATION 5	
SCALE 1/4"=1'-0"	ISSUED JAN 1945		
DRAWN L.L.T.	TRACED L.L.T.	CHECKED W.D.H.	
ISSUE	NATURE OF REVISION	DATE	
D.M. OAKES CITY MANAGER			SHEET 5 OF 8



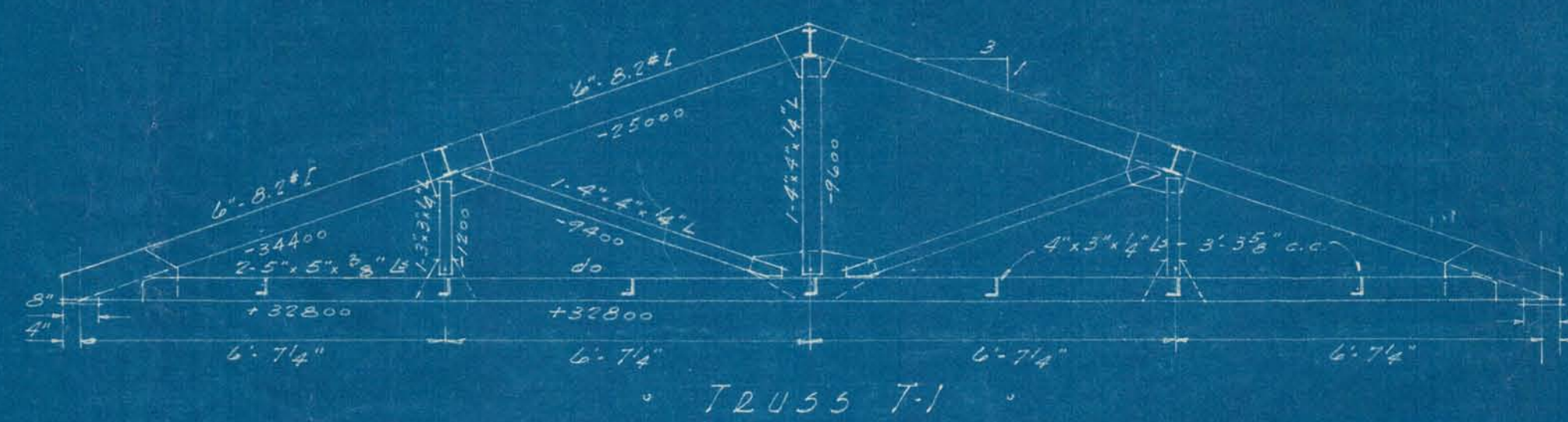
SOUTH ELEVATION
Scale 1/4" = 1'-0"



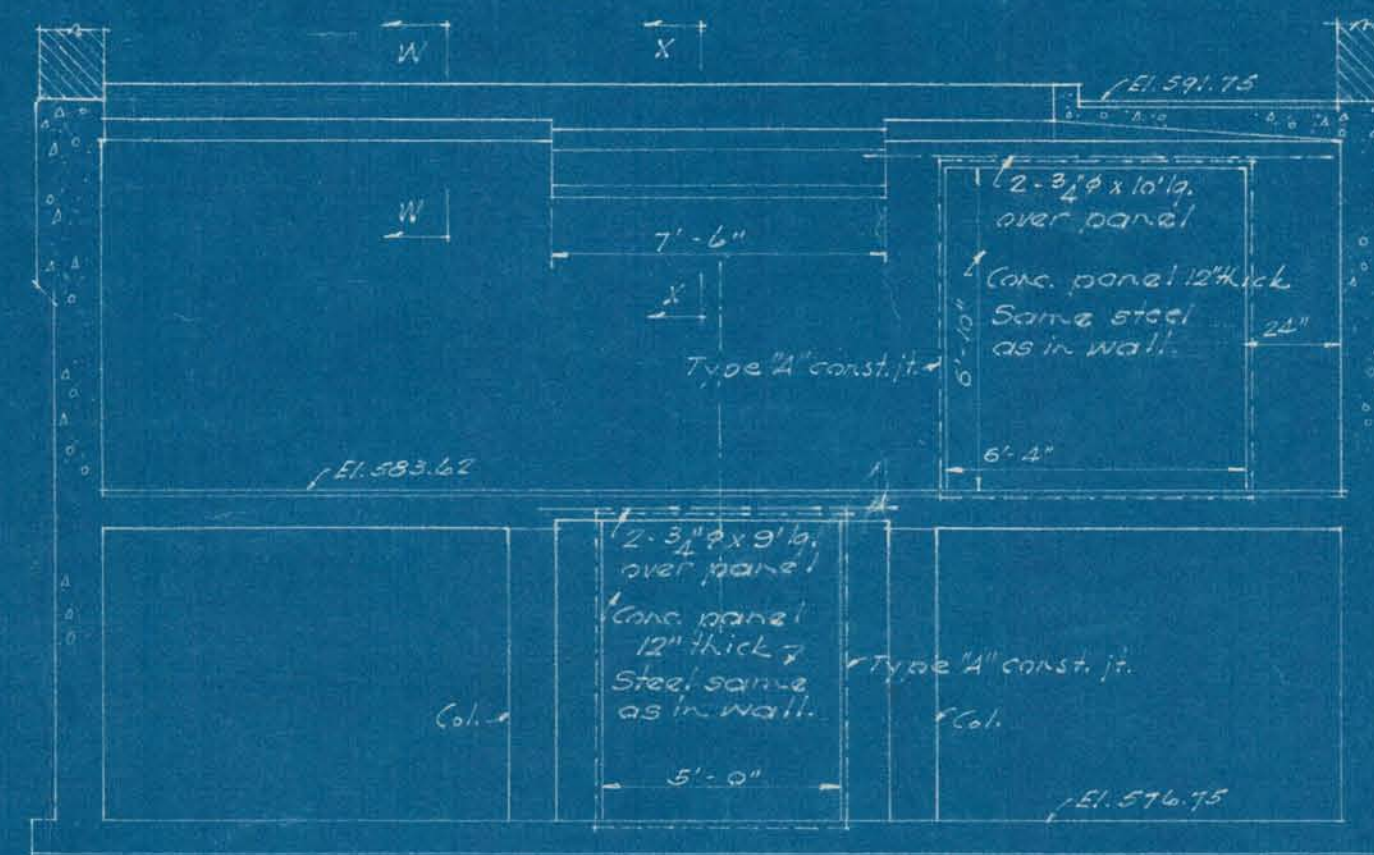
EAST ELEVATION
Scale 1/4" = 1'-0"



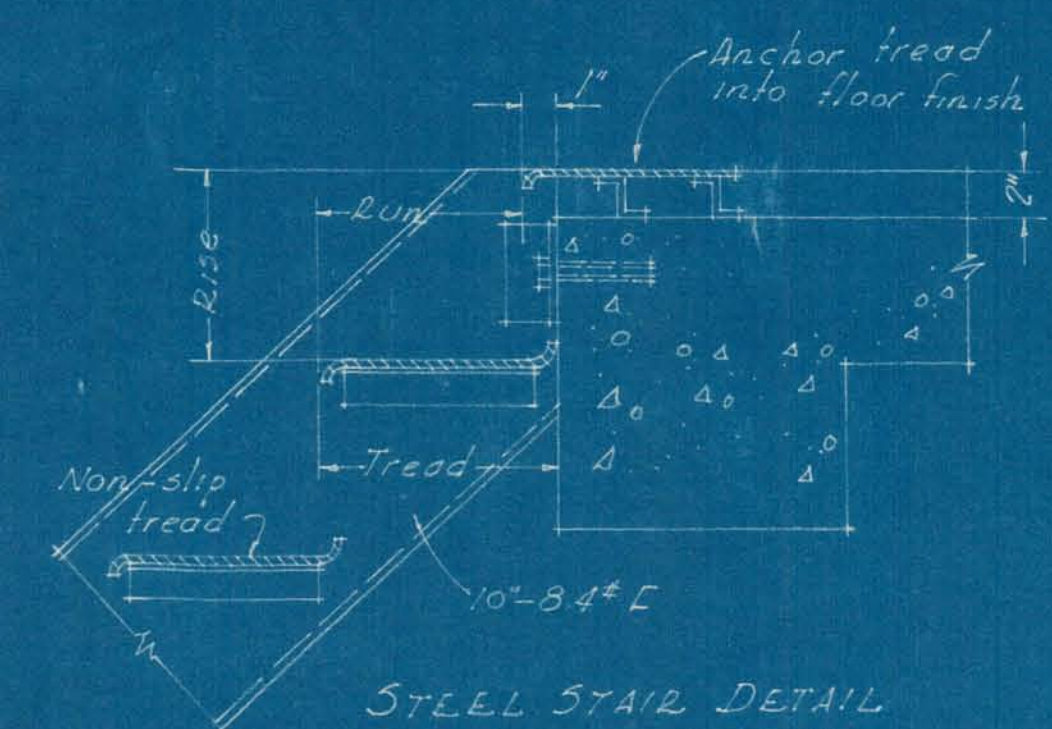
ROOF FRAMING PLAN
Scale 1/4" = 1'-0"



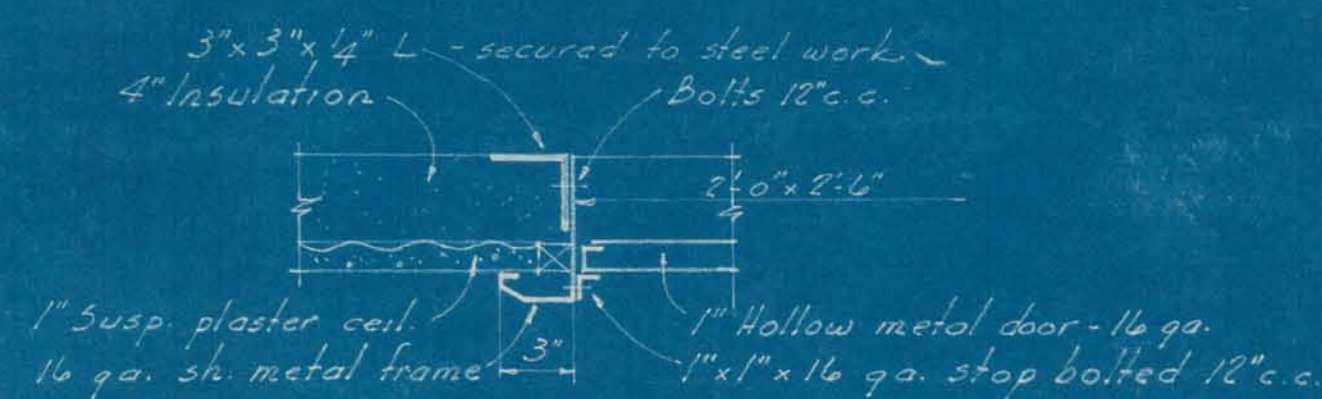
TRUSS T-1



SECT. G-G
Scale 1/4" = 1'-0"

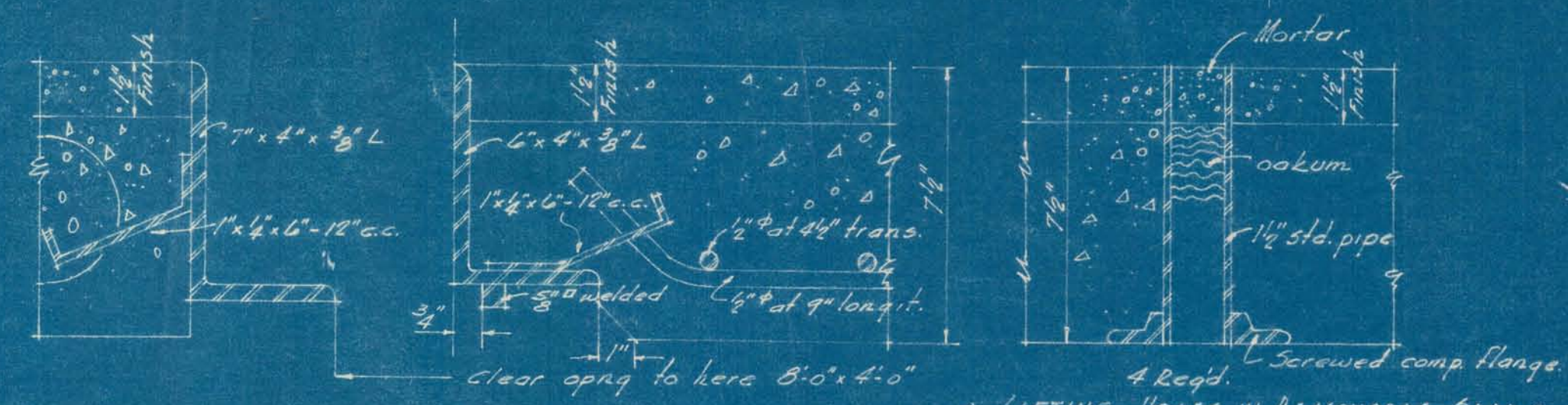


STEEL STAIR DETAIL

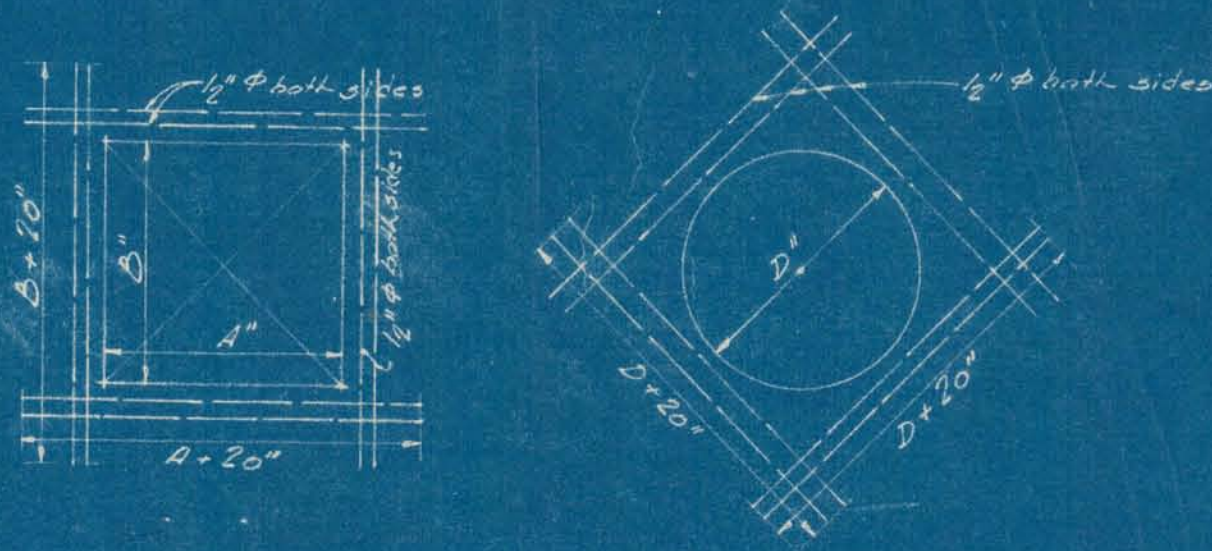


SECTION ACCESS DOOR & FRAME
Scale 1/4" = 1'-0"
2 Req'd.

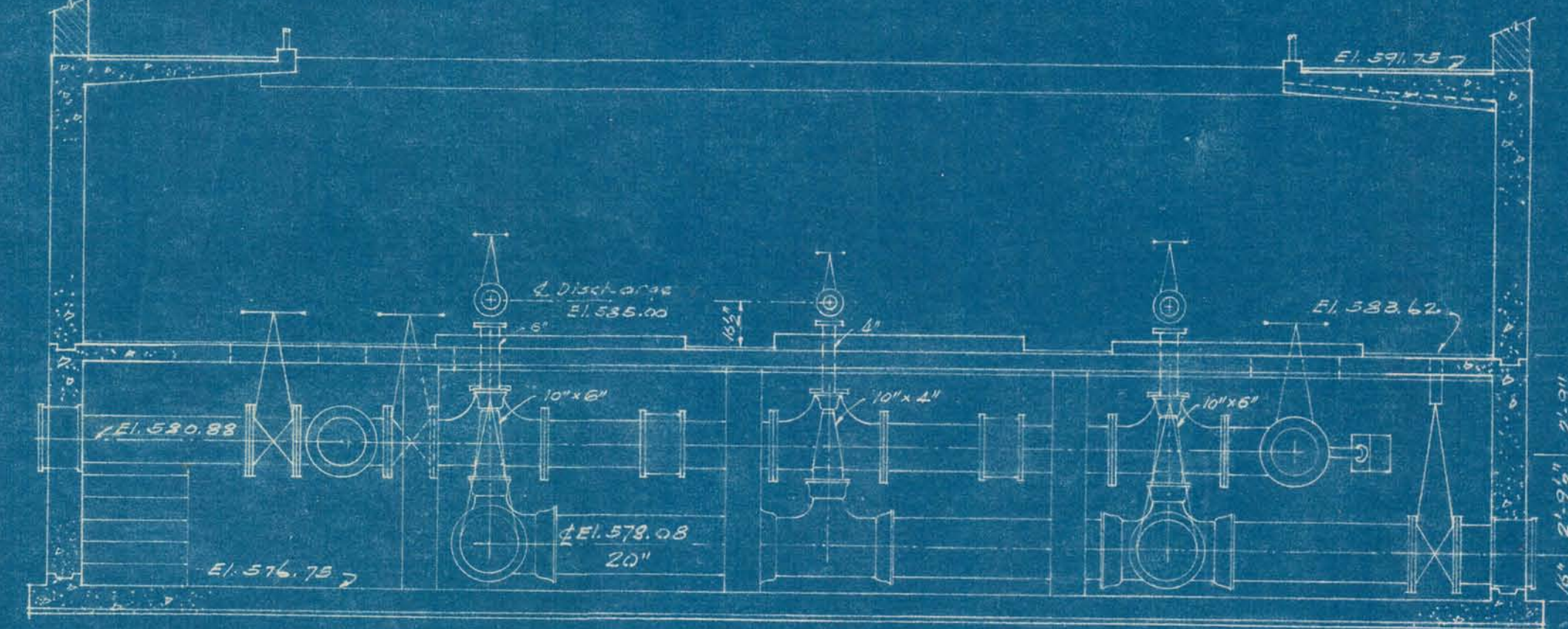
SHOEGRAFT, DRURY AND MC NAMEE CONSULTING ENGINEERS ANN ARBOR, MICHIGAN			CITY OF ALPENA MICHIGAN WATER WORKS IMPROVEMENTS HIGH SERVICE PUMPING STATION		
SCALE AS NOTED	ISSUED JAN 1945		ROOF FRAMING PLAN ELEVATIONS		
DRAWN L.L.T.	TRACED L.L.T.	CHECKED W.S.H.			
ISSUE	NATURE OF REVISION	DATE			
			D.M. OAKES CITY MANAGER		
			SHEET 4 OF 8		



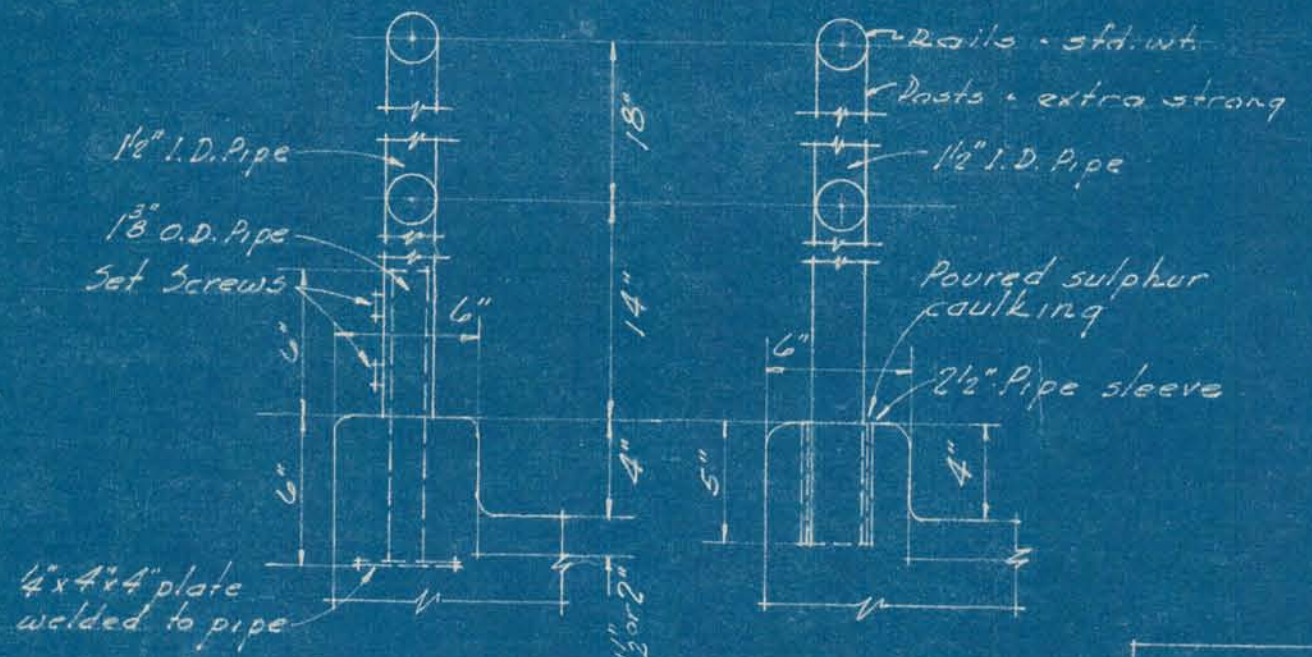
DETAIL OF ACCESS OPENING AND REMOVABLE SLAB
Scale 3/4" = 1'-0"



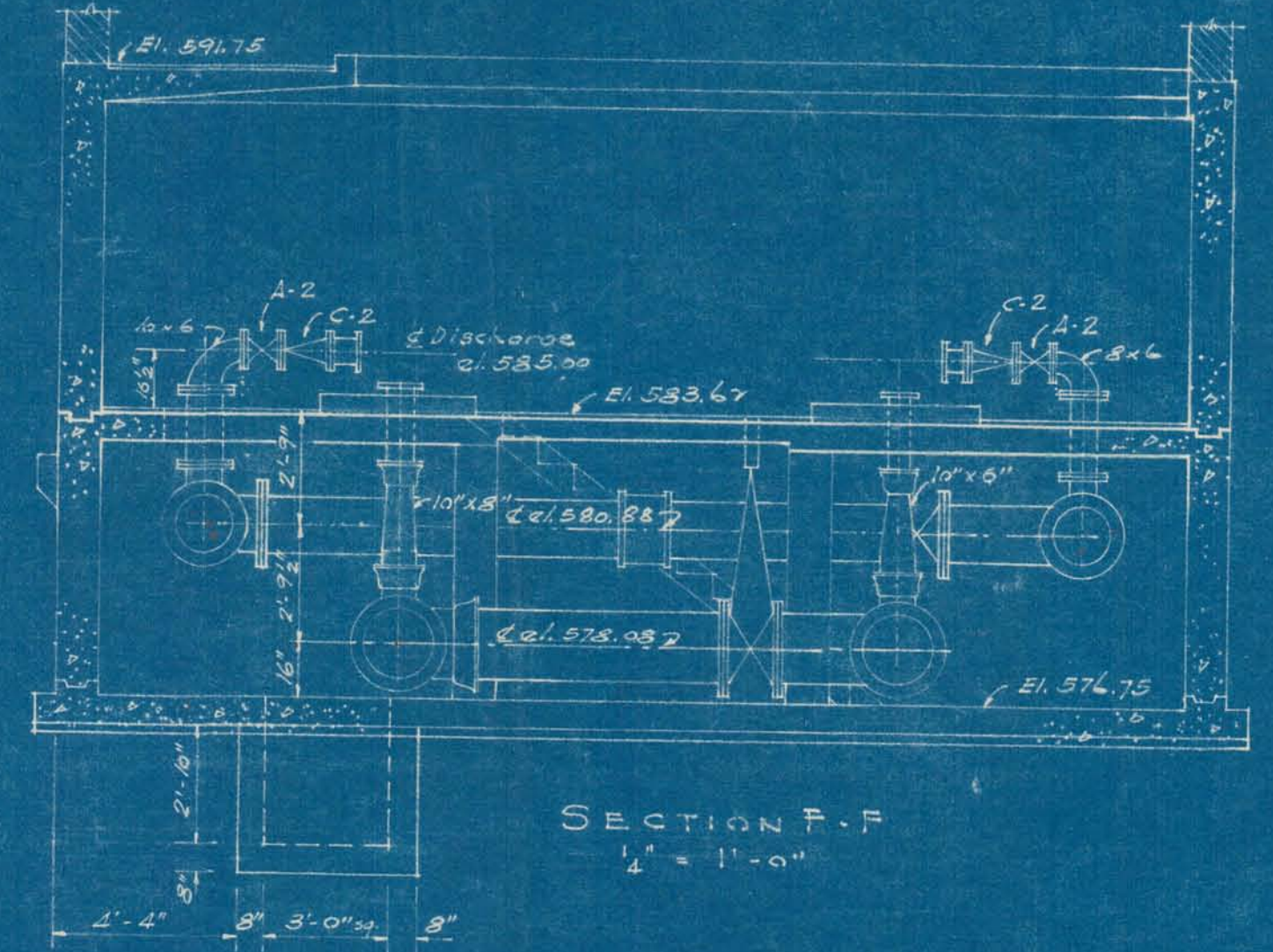
REINFORCING AT OPENINGS IN CONC. SLABS



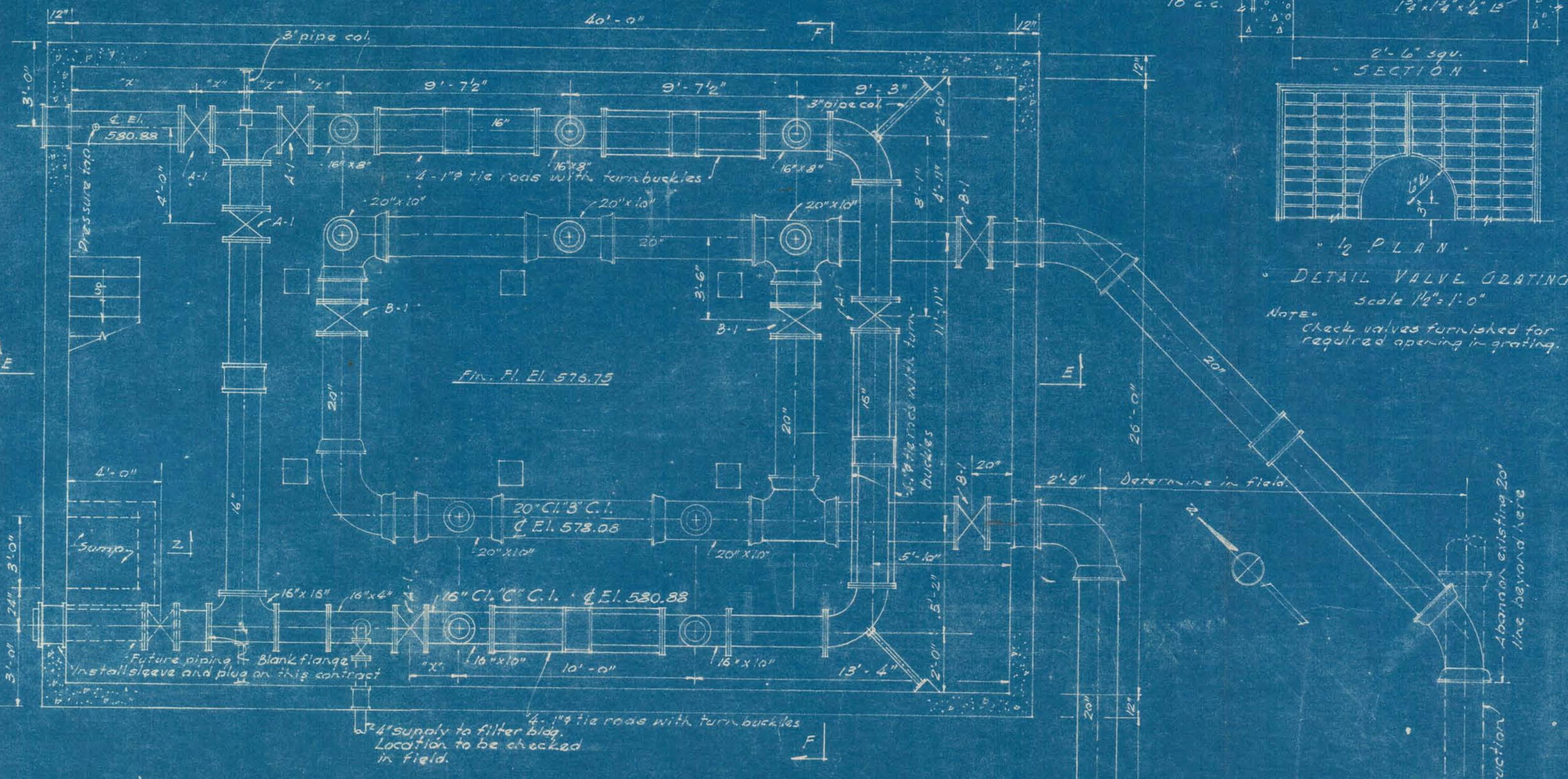
SECTION E-E
1/4" = 1'-0"



REMOVABLE FIXED PIPE RAIL DETAILS
Scale 1/4" = 1'-0"

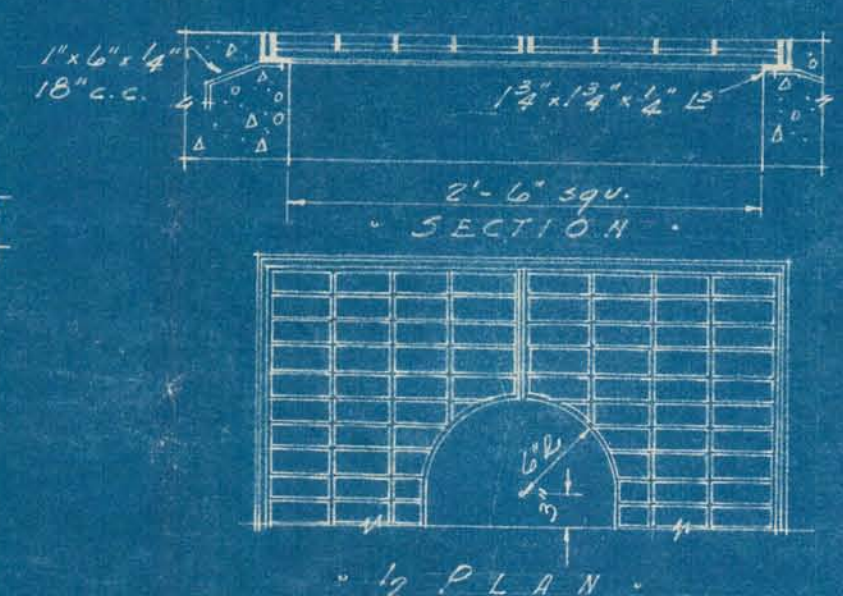


SECTION F-F
1/4" = 1'-0"



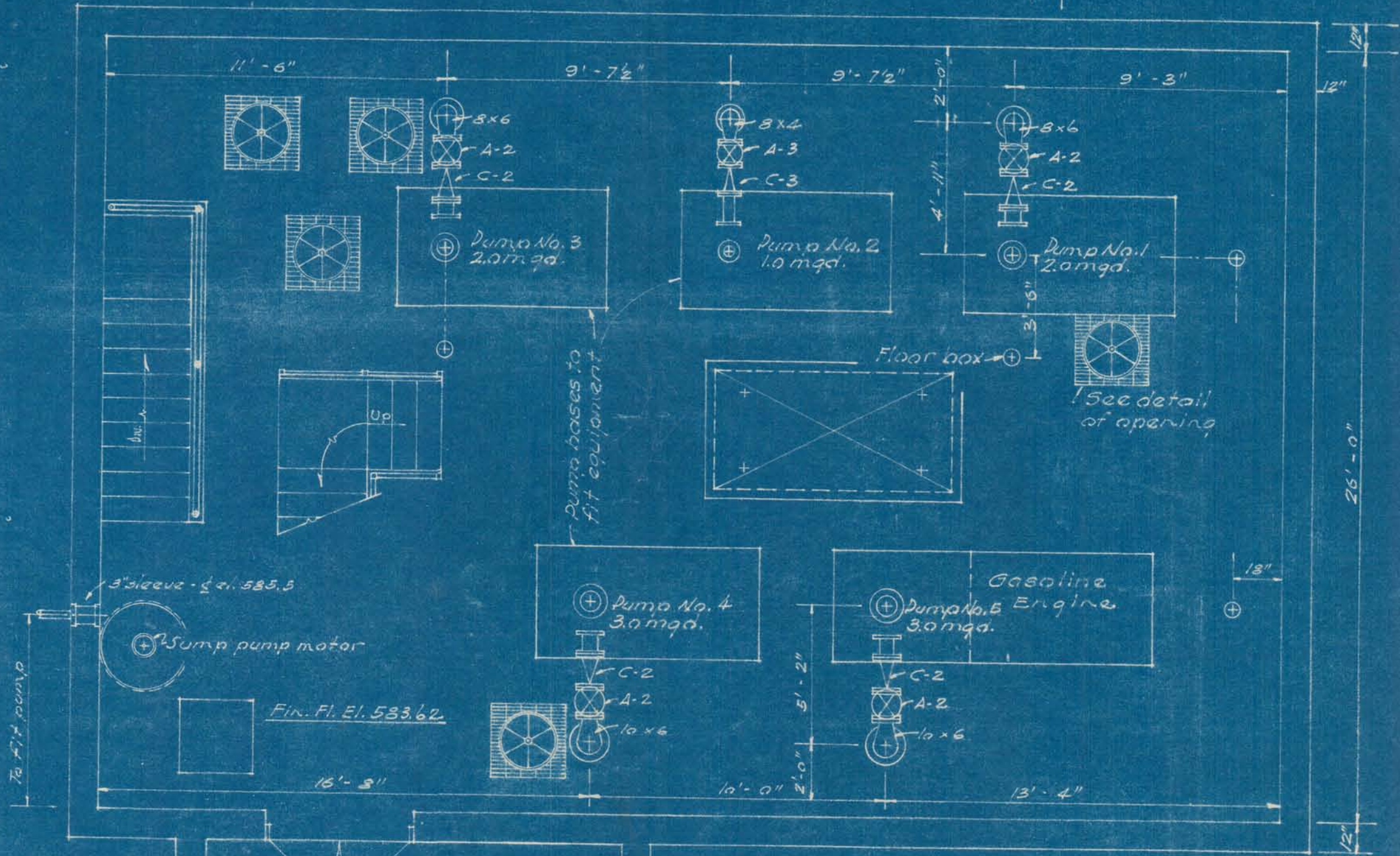
PIPING PLAN AT EL. 582.5
1/4" = 1'-0"

NOTE: Dimensions marked "Z" depend on valve furnished.



DETAIL VALVE GRATINGS
Scale 1/4" = 1'-0"

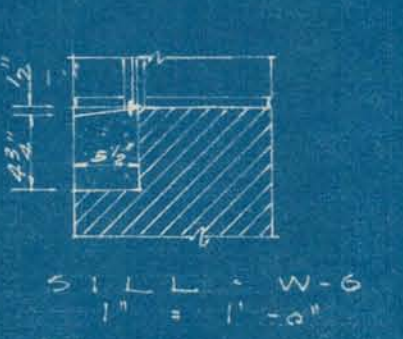
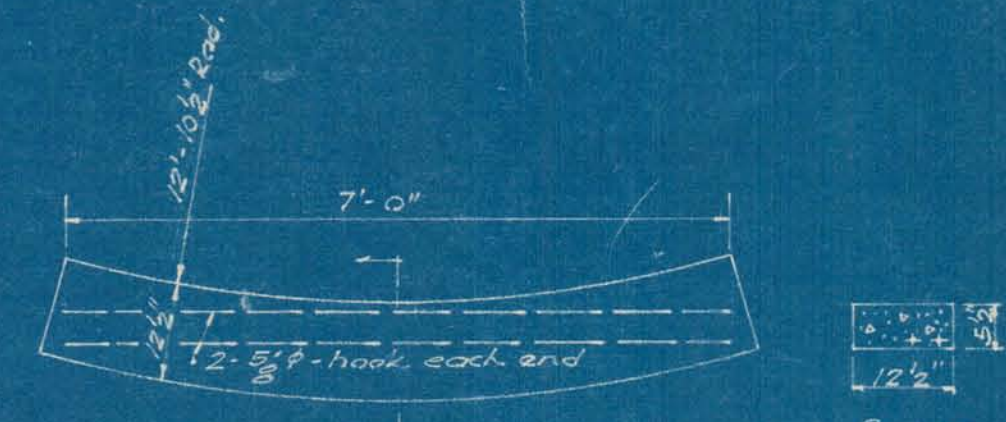
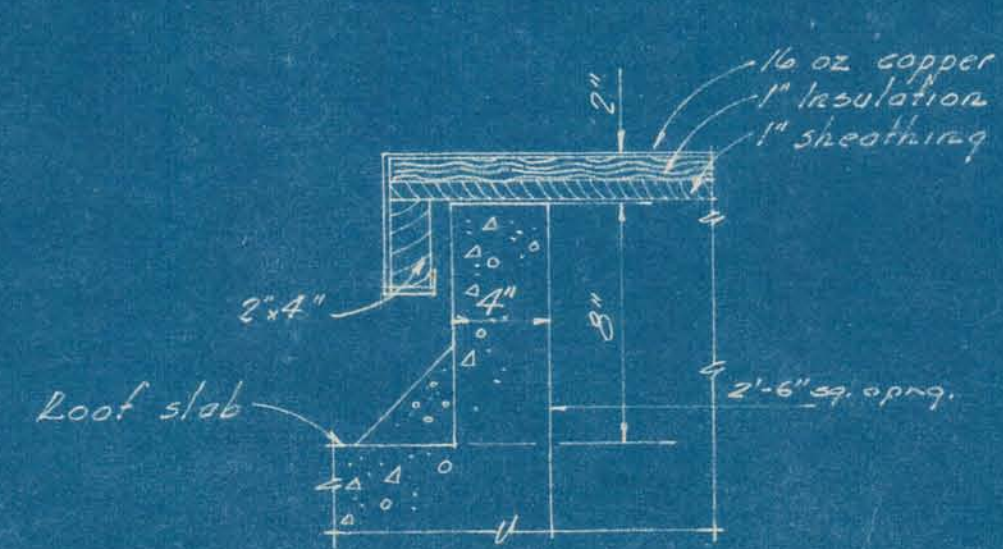
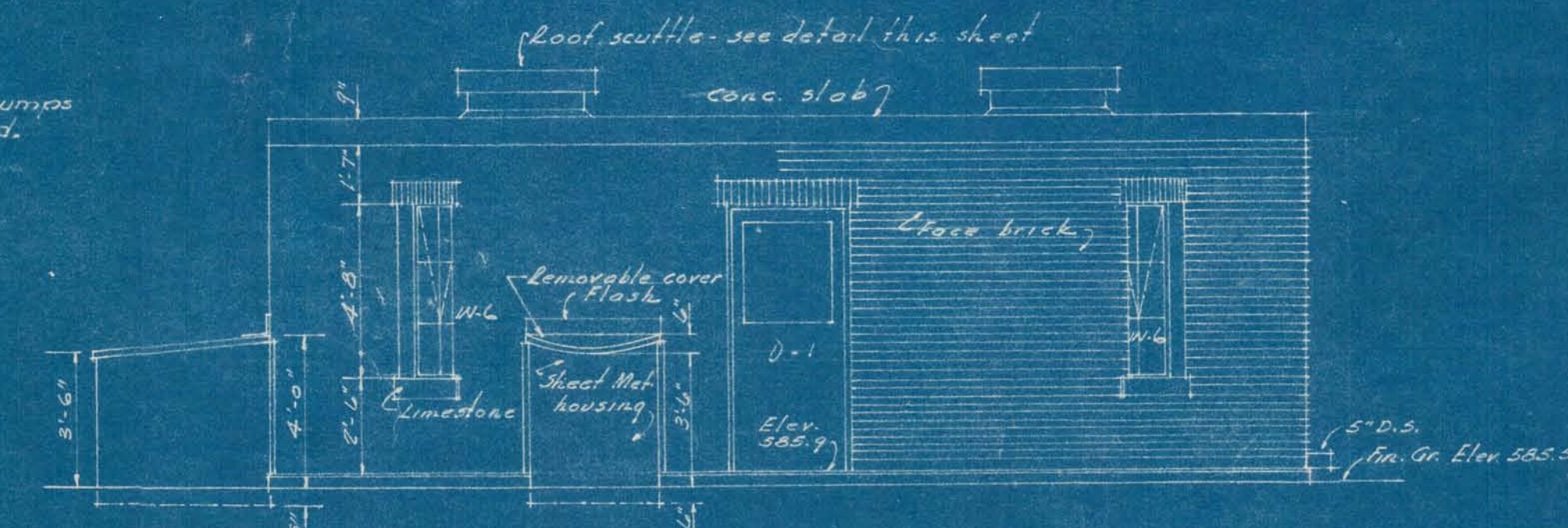
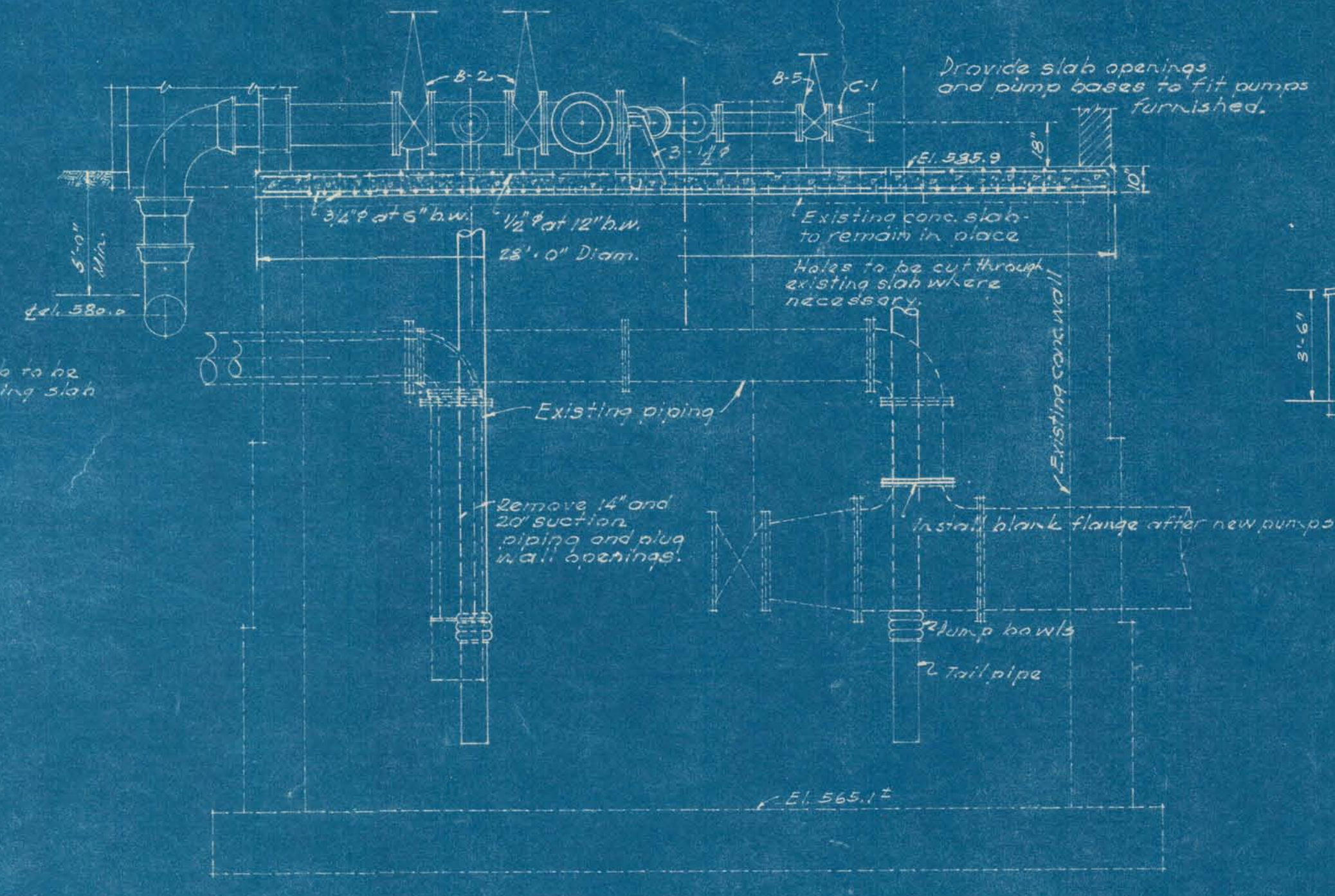
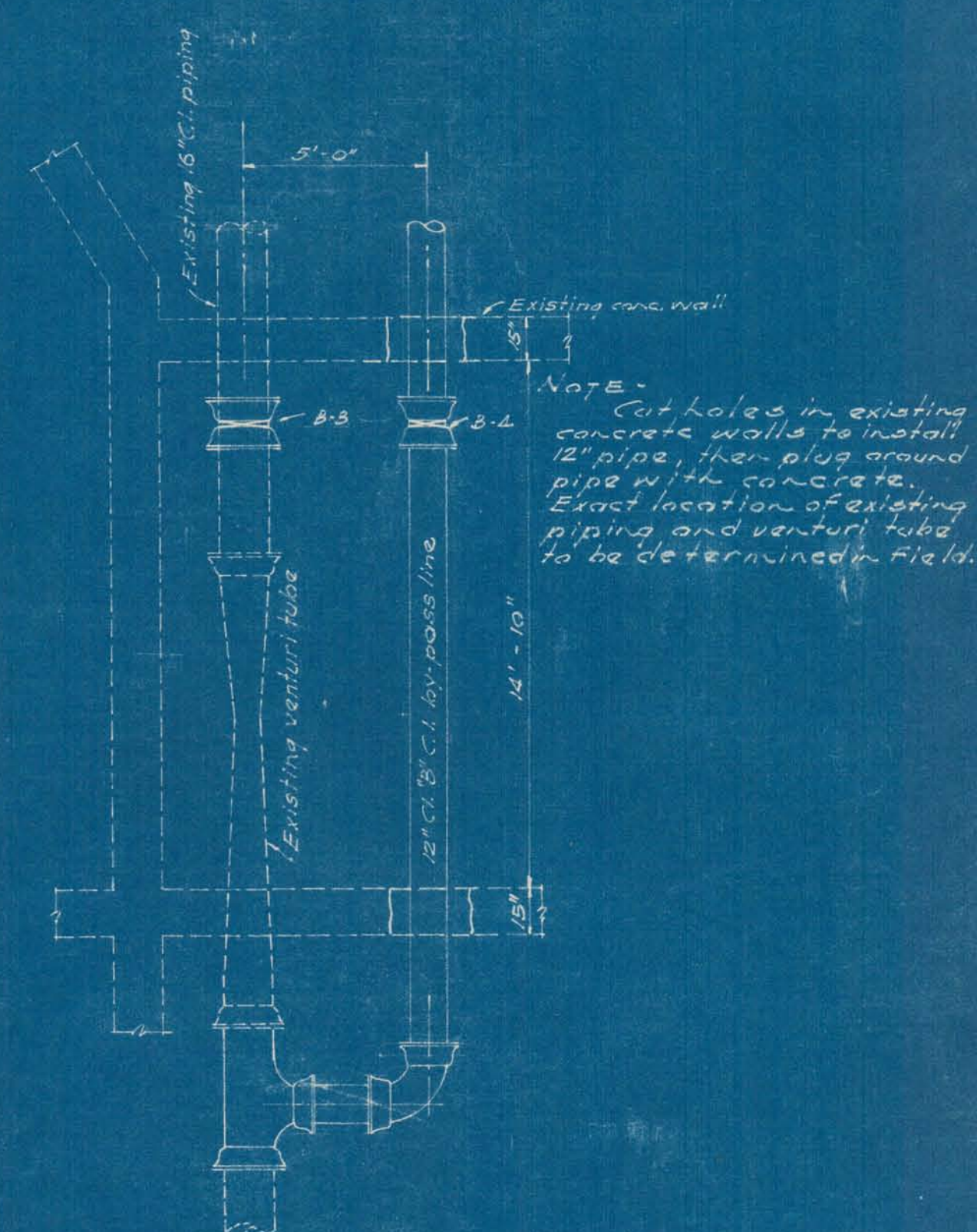
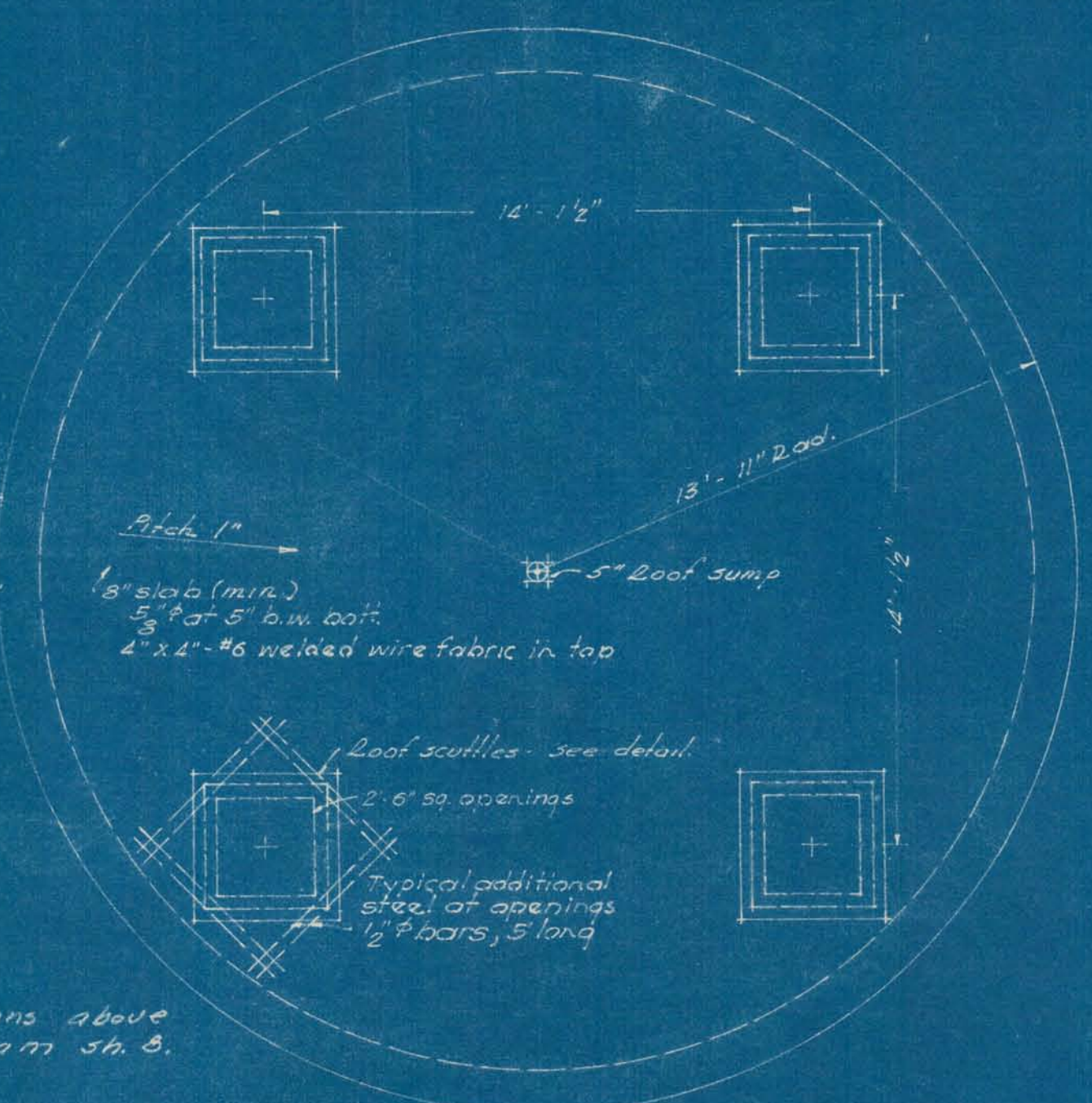
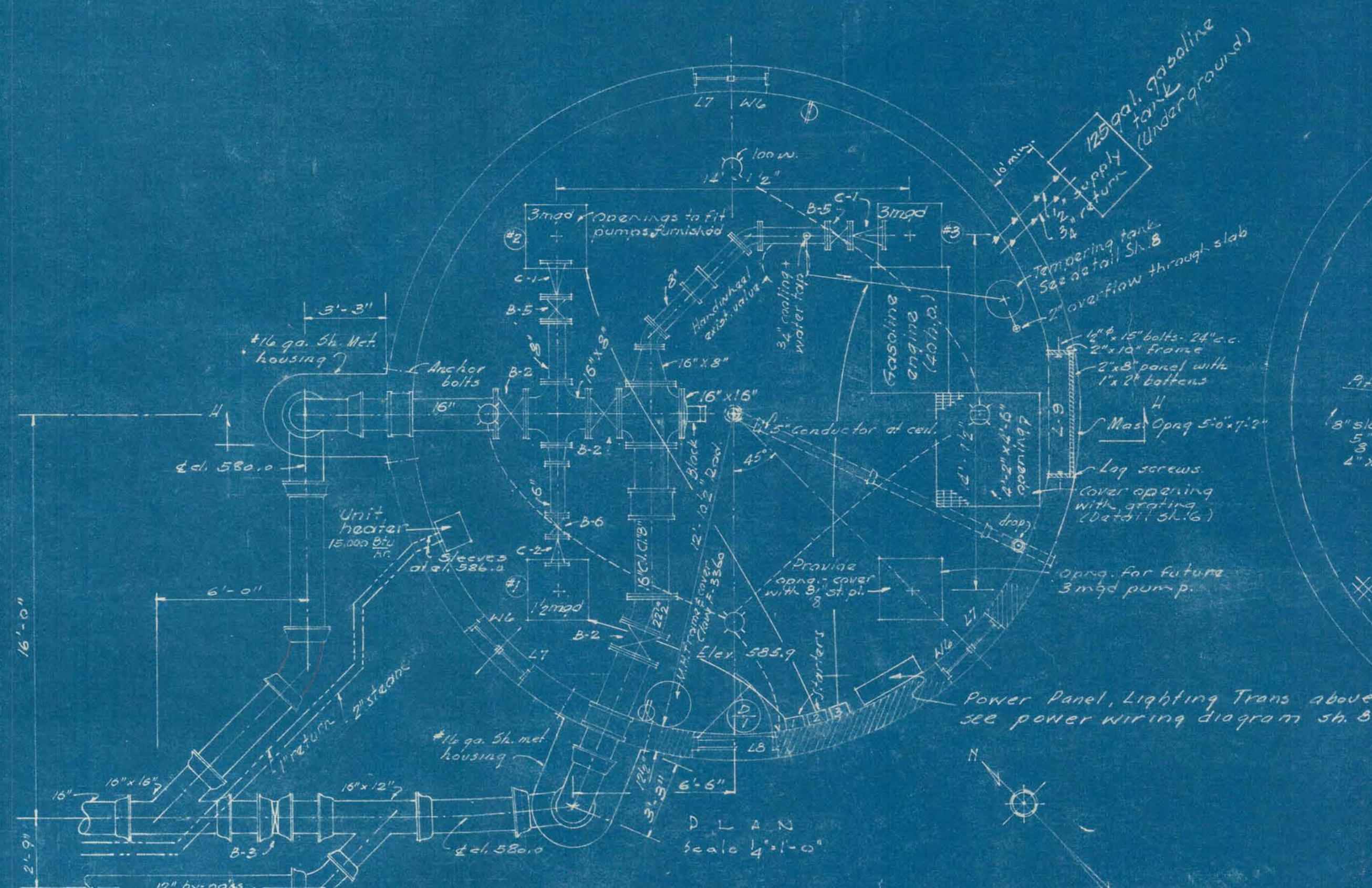
Note: Check valves furnished for required opening in grating.



PUMP ROOM LAYOUT
1/4" = 1'-0"

Cut hole in existing reservoir wall and install sleeve

SHOECRAFT, DRURY AND MC NAME CONSULTING ENGINEERS ANN ARBOR, MICHIGAN			CITY OF ALPENA MICHIGAN WATER WORKS IMPROVEMENTS HIGH SERVICE PUMPING STATION PIPING PLANS & SECTIONS DETAILS		
SCALE AS NOTED	ISSUED JAN 1945				
DRAWN H.F.F.	TRACED H.F.F.	CHECKED W.D.H.			
ISSUE	NATURE OF REVISION	DATE			
			D.M. OAKES CITY MANAGER		
					SHEET OF 8



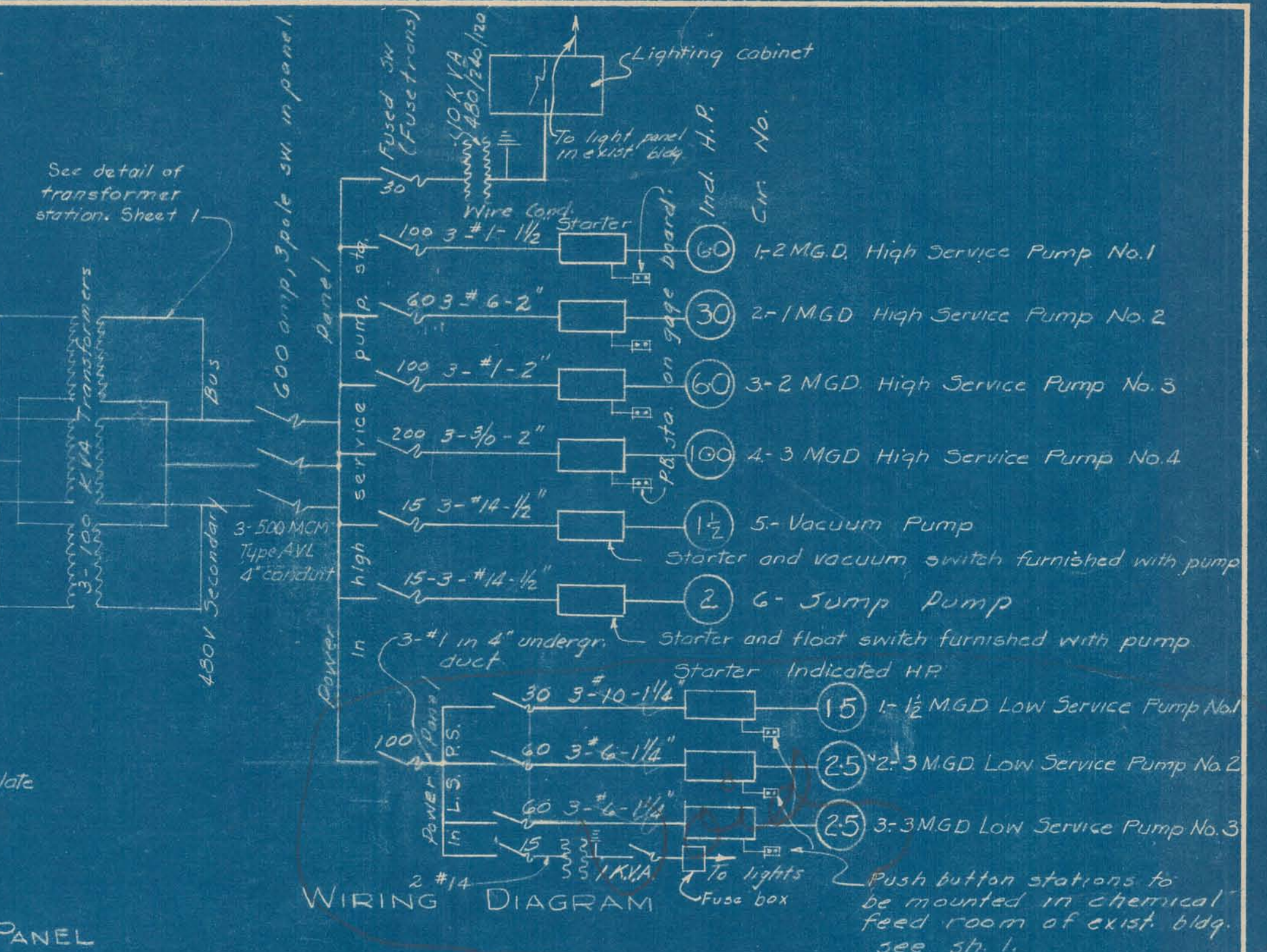
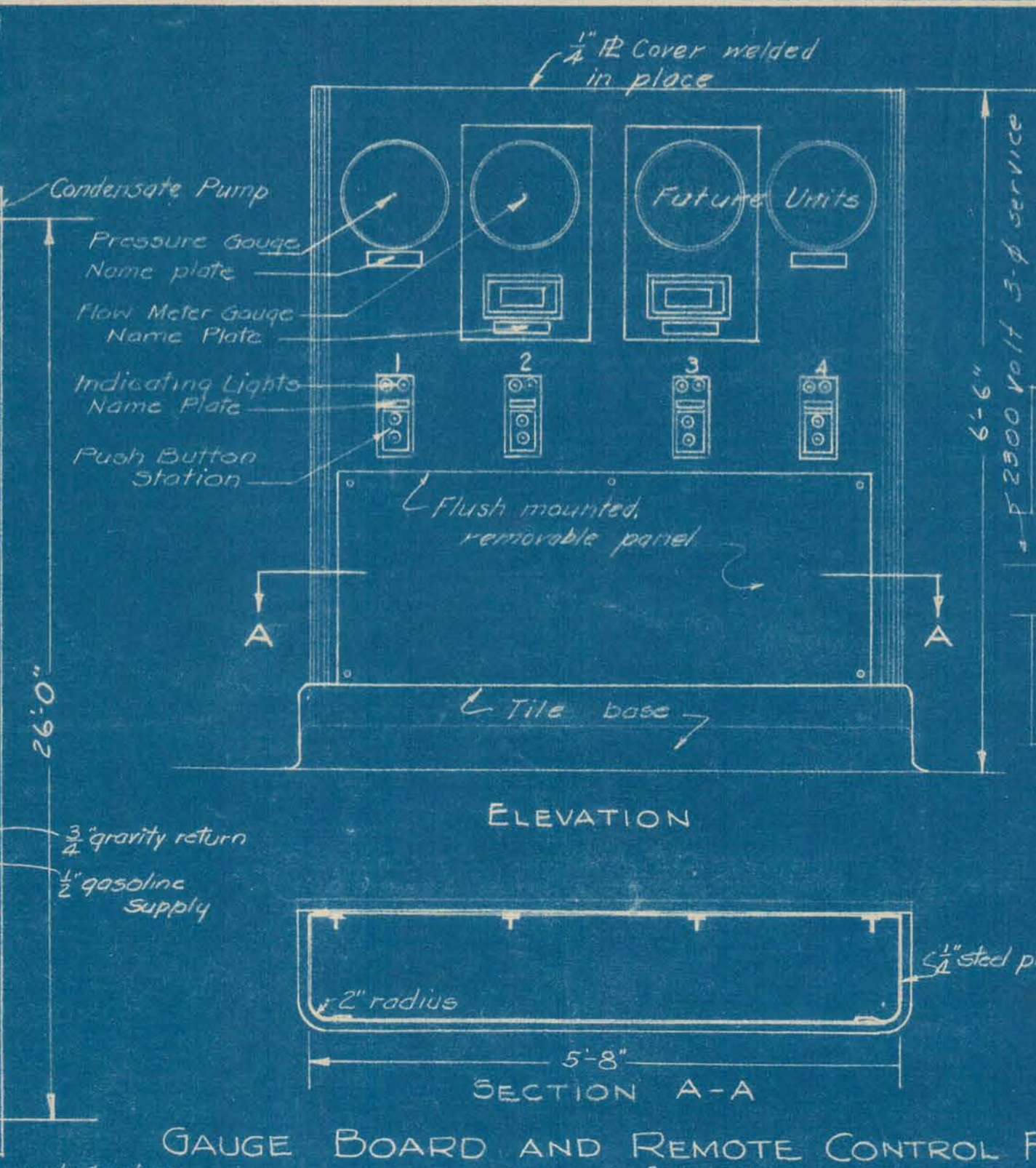
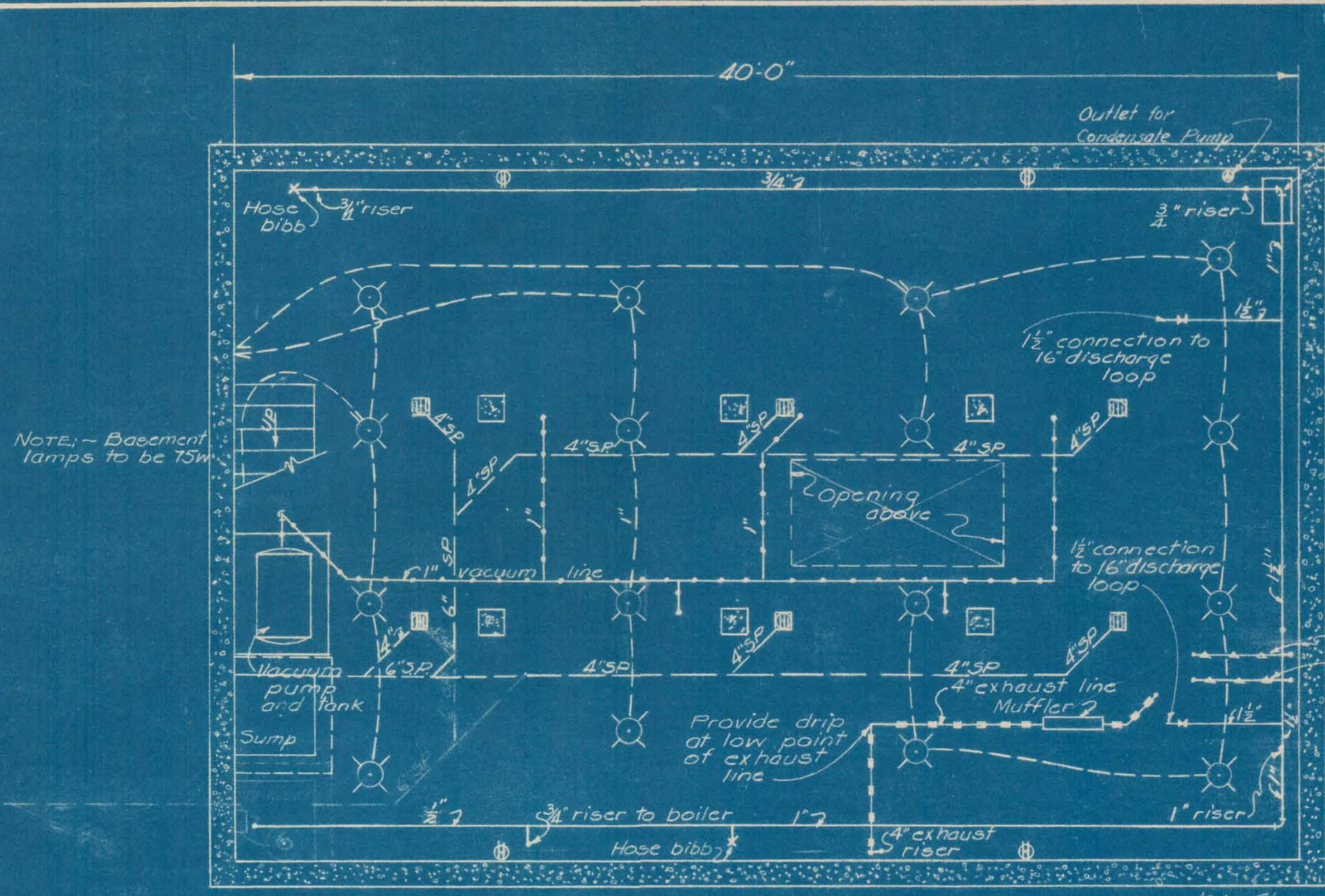
NOTE: Existing grade slab to be shared before placing slab at el. 585.9.

NOTE: Cut holes in existing concrete walls to install 12\"/>

SECTION 'H-H'
Scale 1/2\"/>

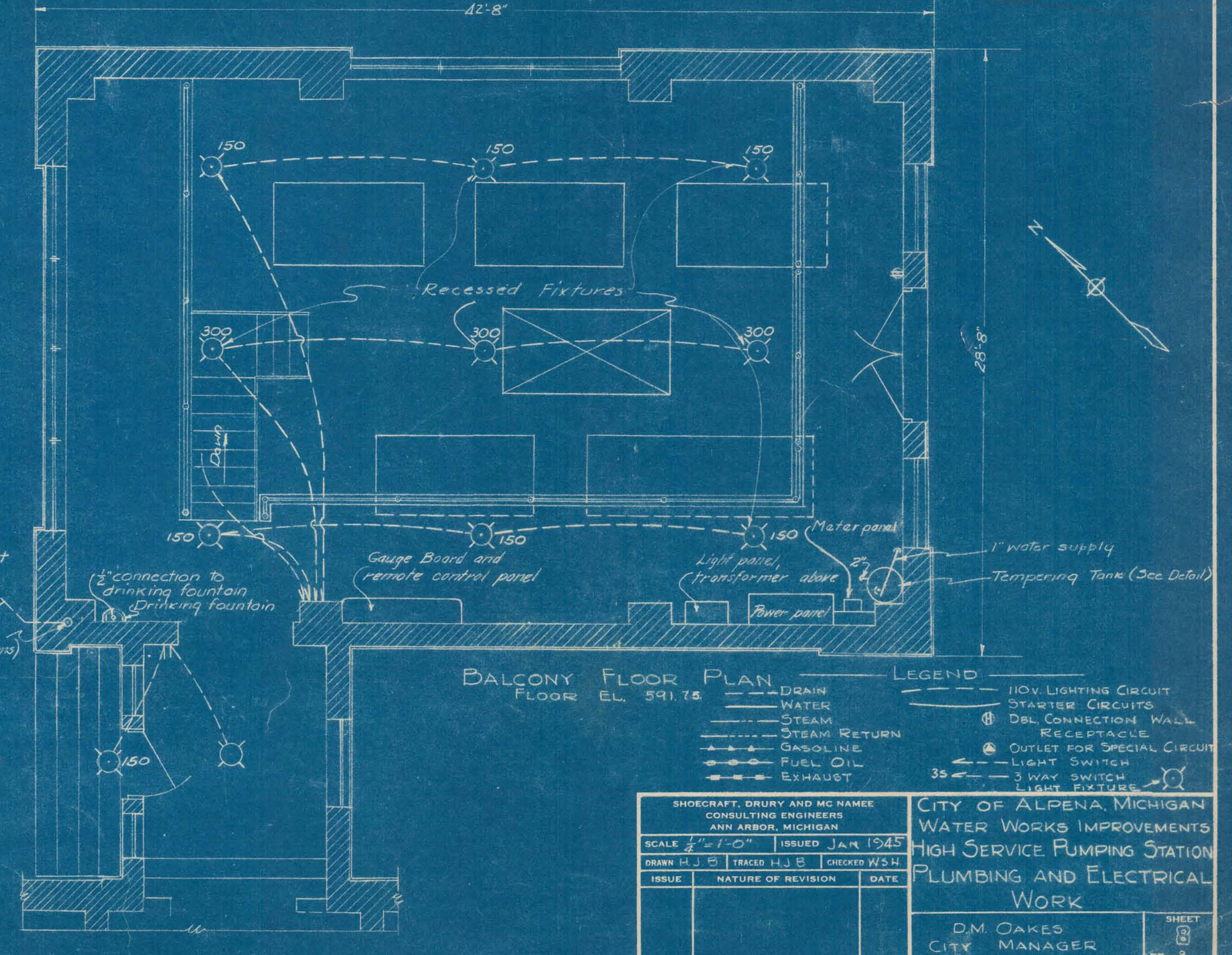
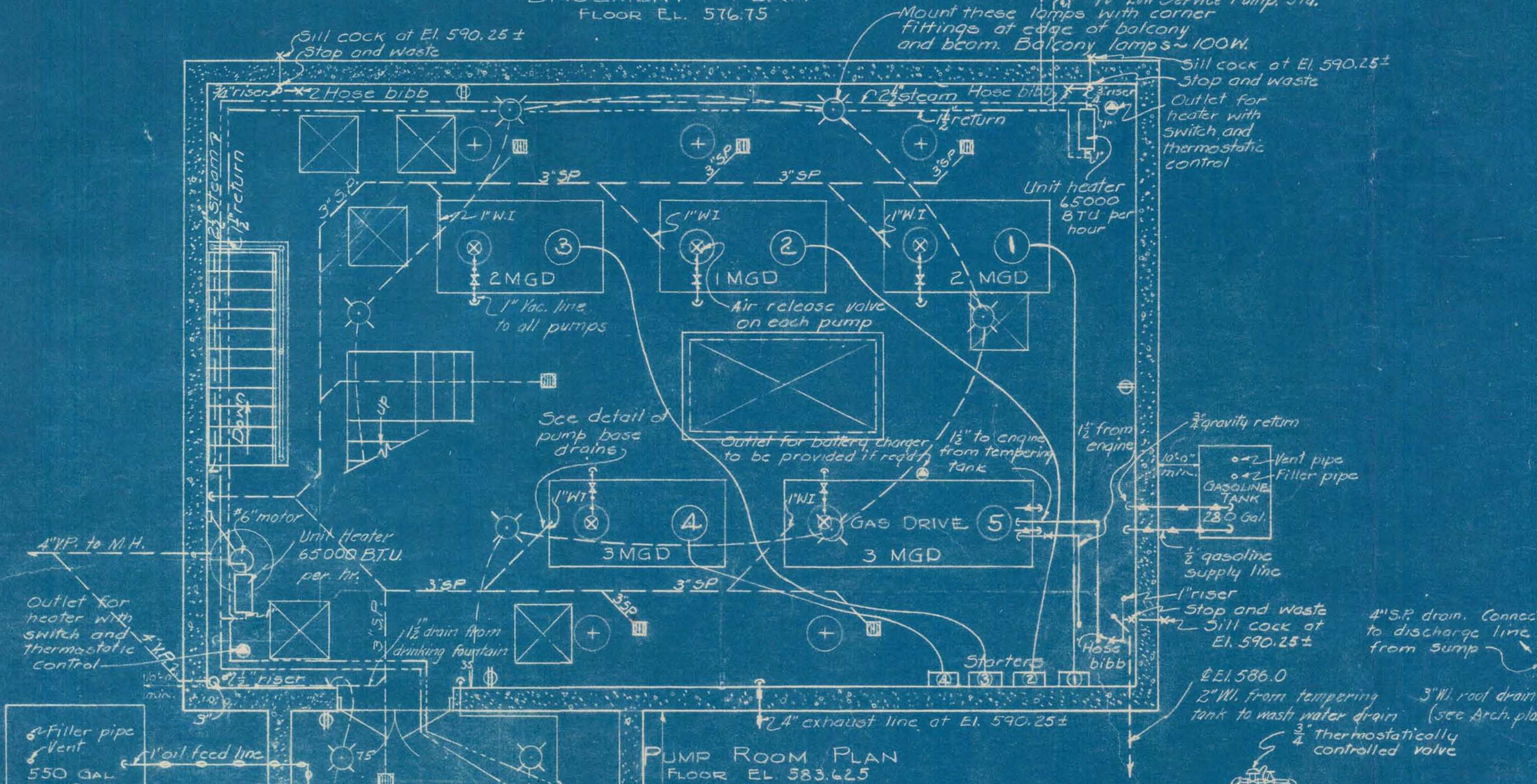
SCUTTLE DETAIL
Scale 1/2\"/>

SHOECRAFT, DRURY AND MC NAMEE CONSULTING ENGINEERS ANN ARBOR, MICHIGAN				CITY OF ALPENA MICHIGAN WATER WORKS IMPROVEMENTS LOW SERVICE PUMPING STATION PLANS - SECTIONS - ELEVATIONS	
SCALE AS NOTED	ISSUED	JAN 1945			
DRAWN H.F.F.	TRACED H.F.F.	CHECKED W.S.H.			
ISSUE	NATURE OF REVISION	DATE			
			D.M. OAKES CITY MANAGER		SHEET 7 OF 8



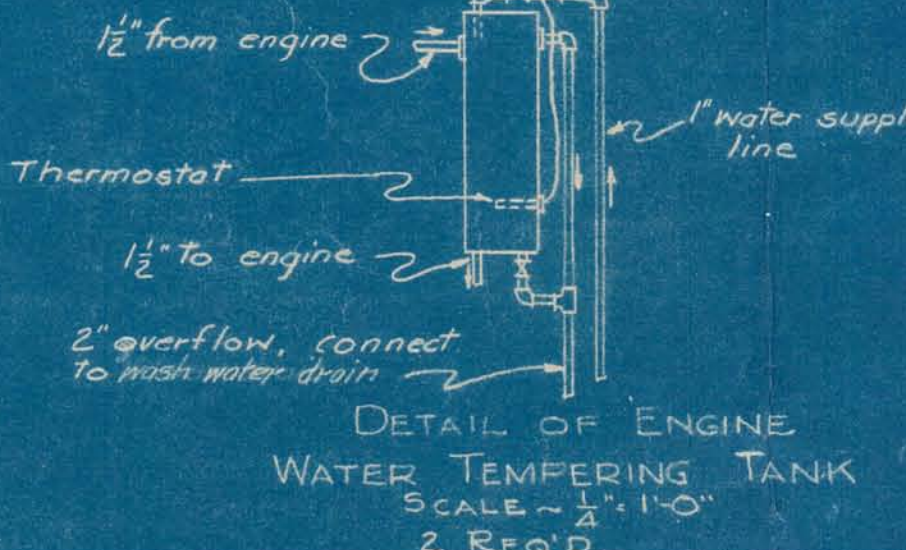
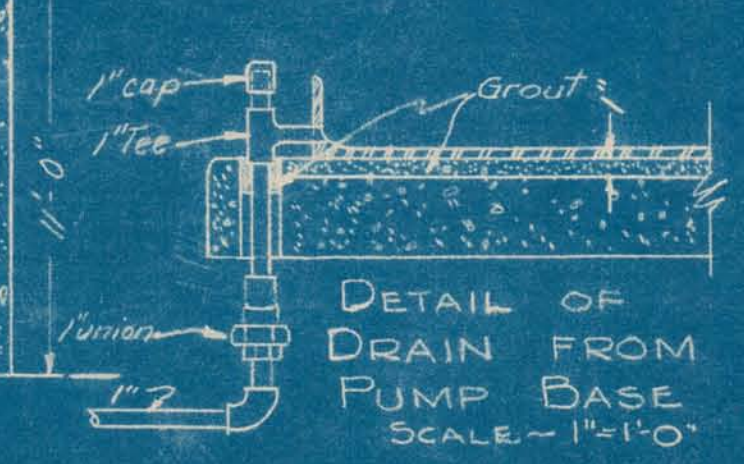
BASEMENT PLAN
FLOOR EL. 576.75

GAUGE BOARD AND REMOTE CONTROL PANEL
SCALE - 3/4" = 1'-0"



PUMP ROOM PLAN
FLOOR EL. 583.625

BALCONY FLOOR PLAN
FLOOR EL. 591.75



SHOECRAFT, DRURY AND MC NAME CONSULTING ENGINEERS ANN ARBOR, MICHIGAN			CITY OF ALPENA, MICHIGAN WATER WORKS IMPROVEMENTS HIGH SERVICE PUMPING STATION PLUMBING AND ELECTRICAL WORK		
SCALE 3/4" = 1'-0"	ISSUED JAN 1945		D.M. OAKES CITY MANAGER		
DRAWN H.J.B.	TRACED H.J.B.	CHECKED W.S.H.	SHEET 3 OF 3		
ISSUE	NATURE OF REVISION	DATE			