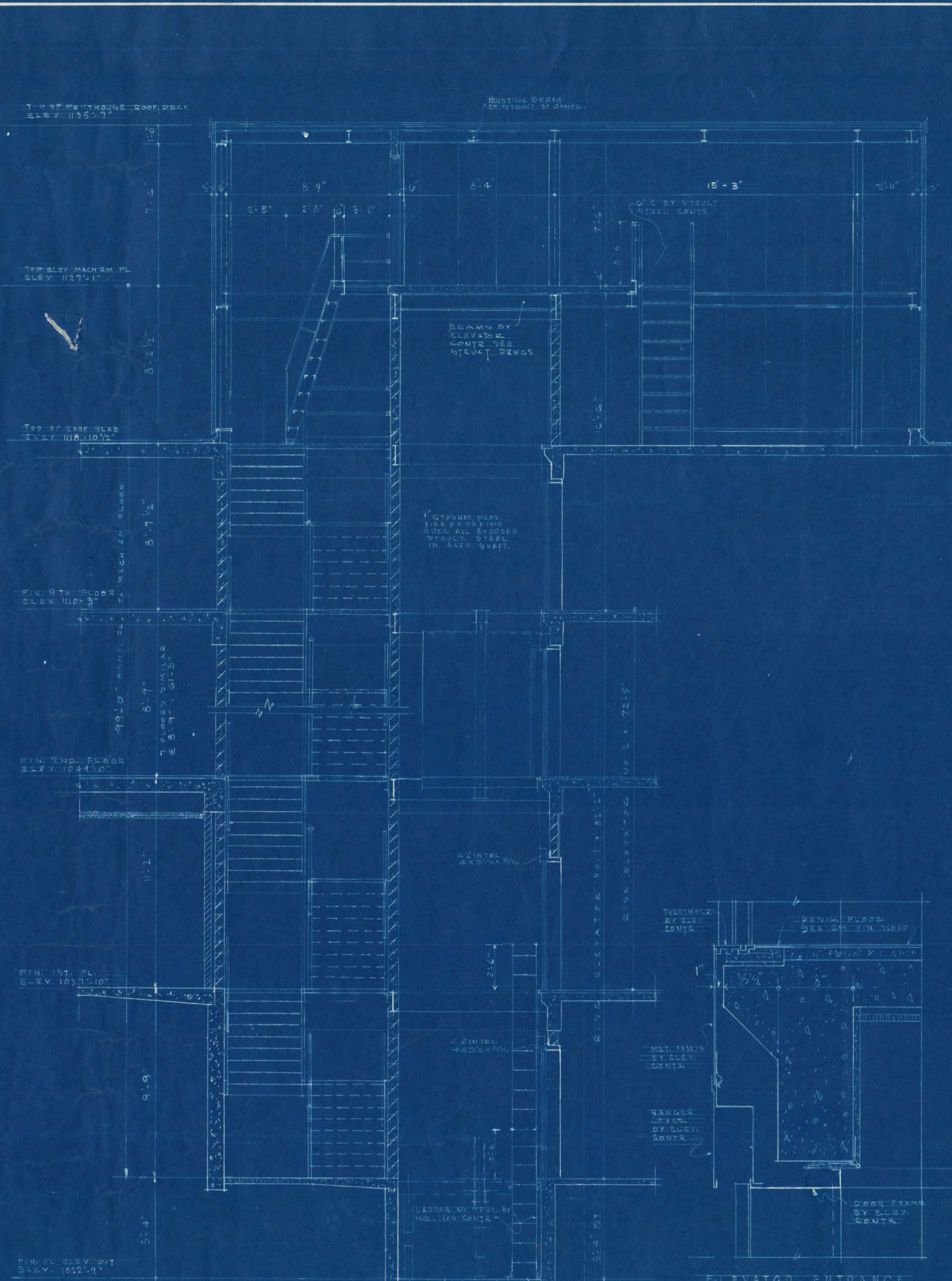
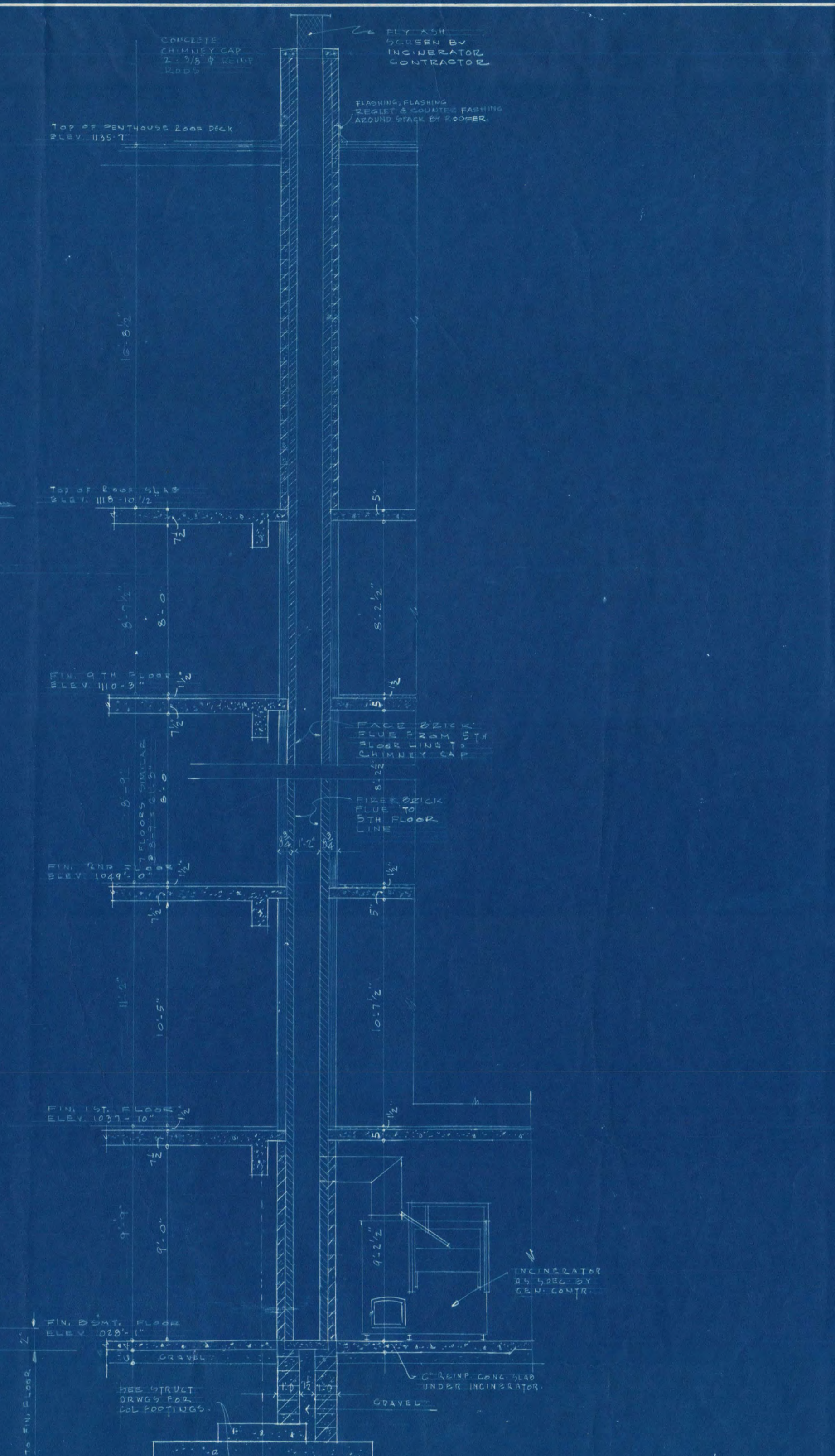


EXPOSED CONC. FINISH NOTE  
ALL EXPOSED CONC. SURFACES IN FINISHED SPACES, INCLUDING REINFORCING, SHALL BE RAUGHED TO BE REFINISHED. A REASONABLY CLEAN SURFACE SHALL BE OBTAINED. ALL SURFACES SHALL BE SUBBED TO OBTAIN A FINISH AS SPECIFIED. ALL SURFACES SHALL BE PATCHED & CURED TO OBTAIN A FINISH AS SPECIFIED. SPECIFICATIONS SEE ADDITIONAL INFORMATION

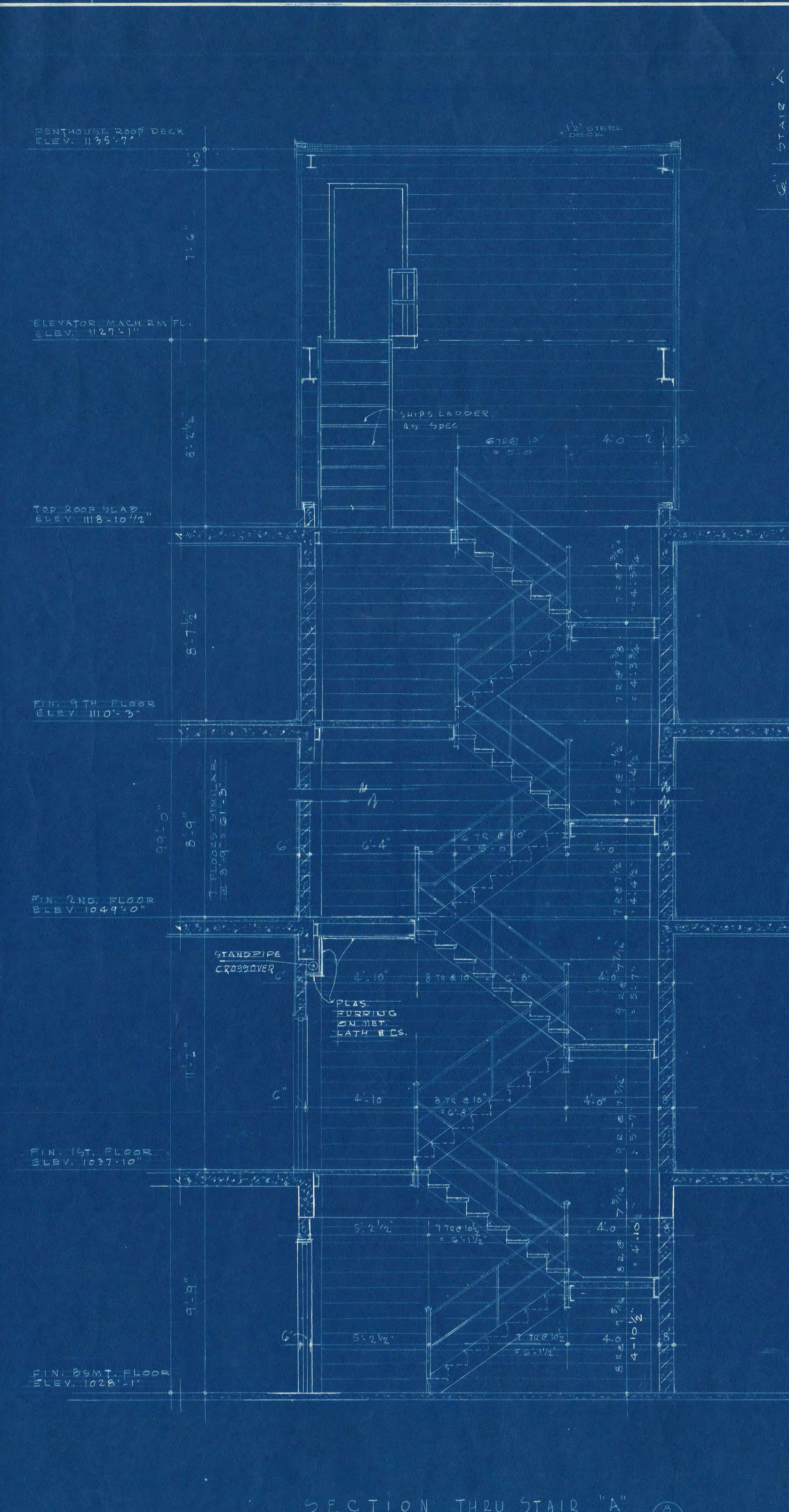
DORMITORY		ST. CLOUD STATE COLLEGE	
ST. CLOUD, MINNESOTA		ARCHITECTS	
FORM NO.	JACKSON-HALIN ASSOCIATES, INC.	DRAWING NO.	
DATE BY	BY EDGAR	7	
DATE BY		OF	
DATE BY		10	
DATE BY		F-1A	



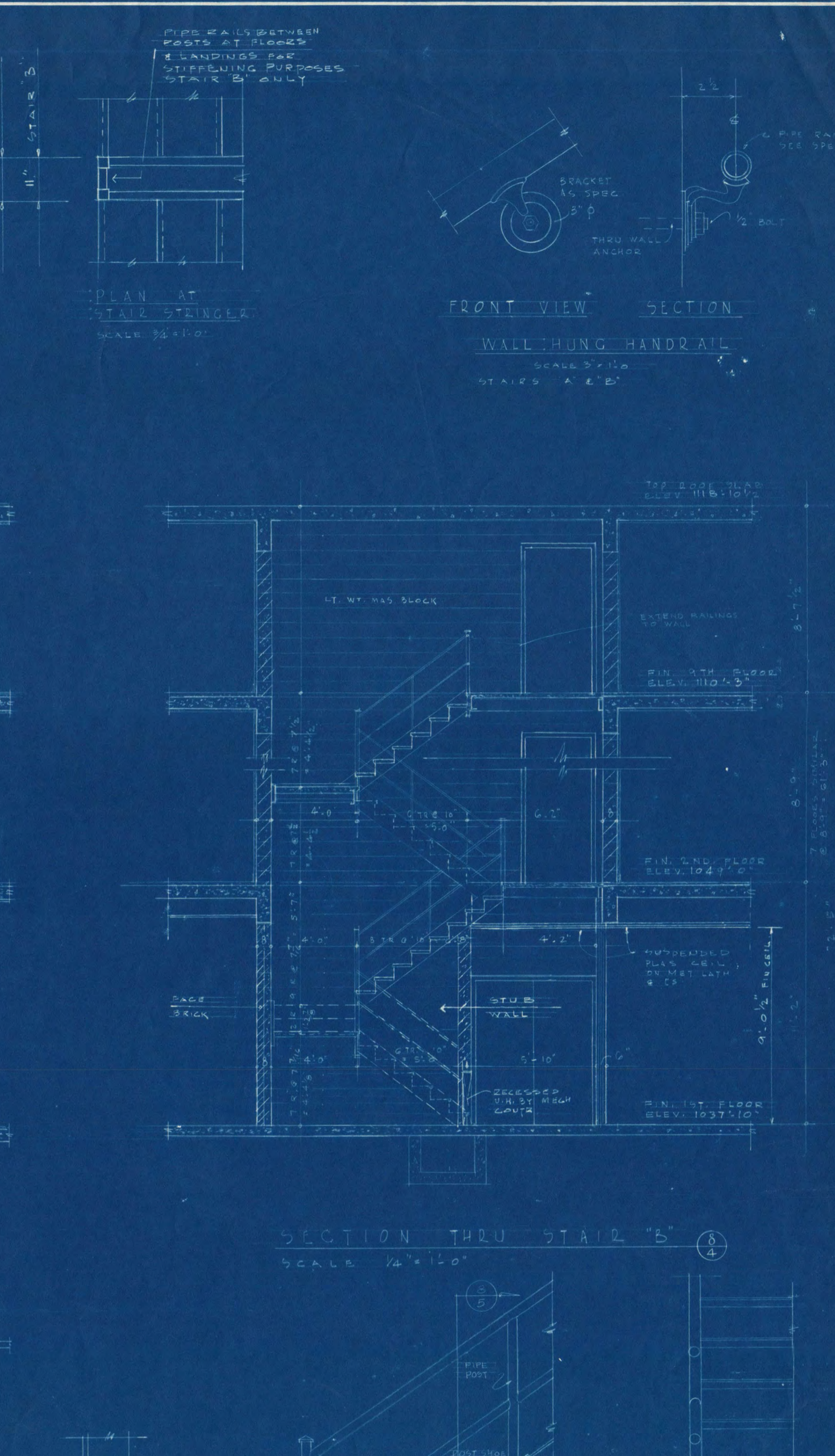
ELEVATOR ENTRANCE SILL & HEAD SECTION  
SCALE: 1/2" = 1'-0"



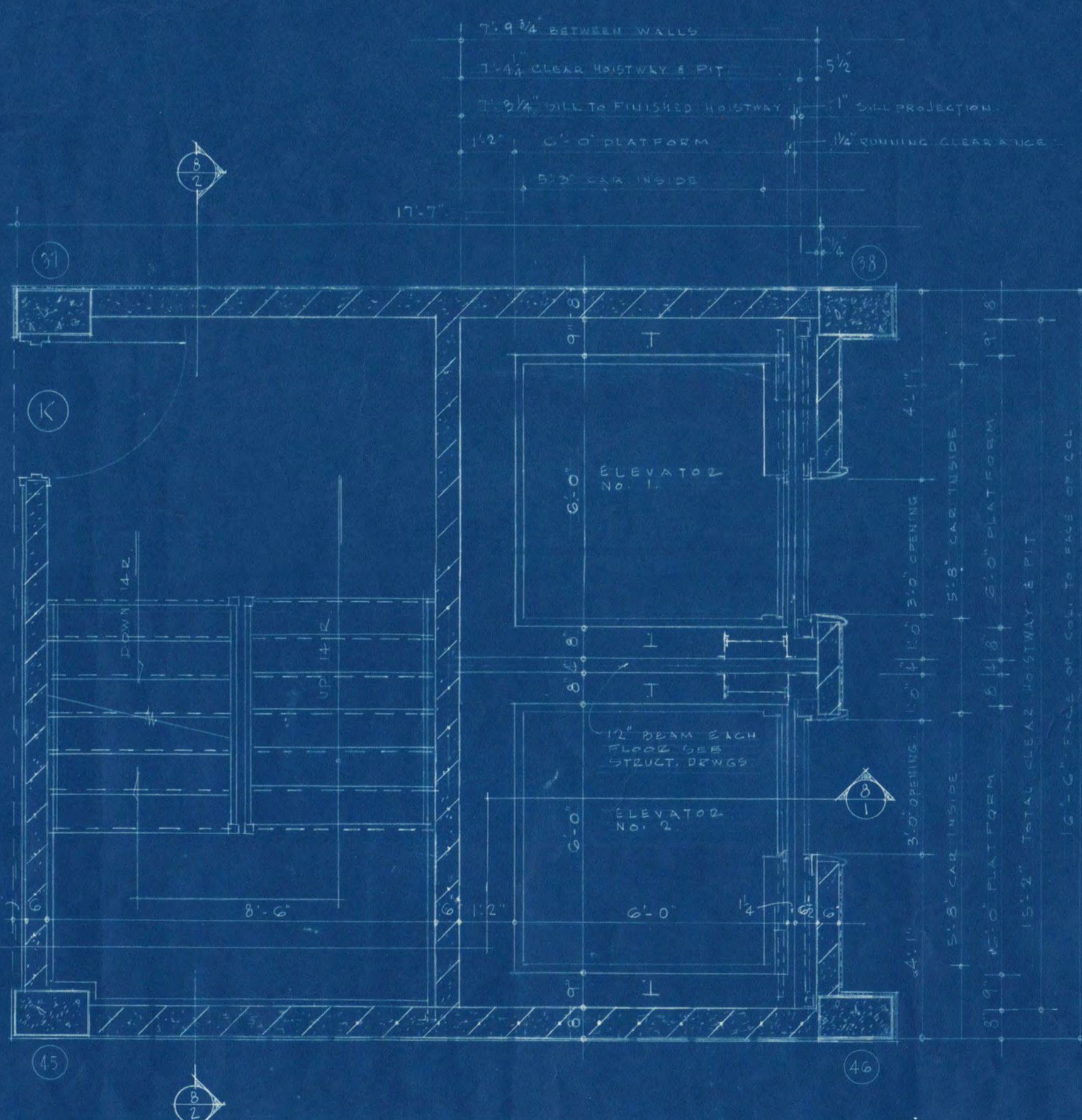
VERTICAL SECTION THRU INCINERATOR STACK  
SCALE: 1/4" = 1'-0"



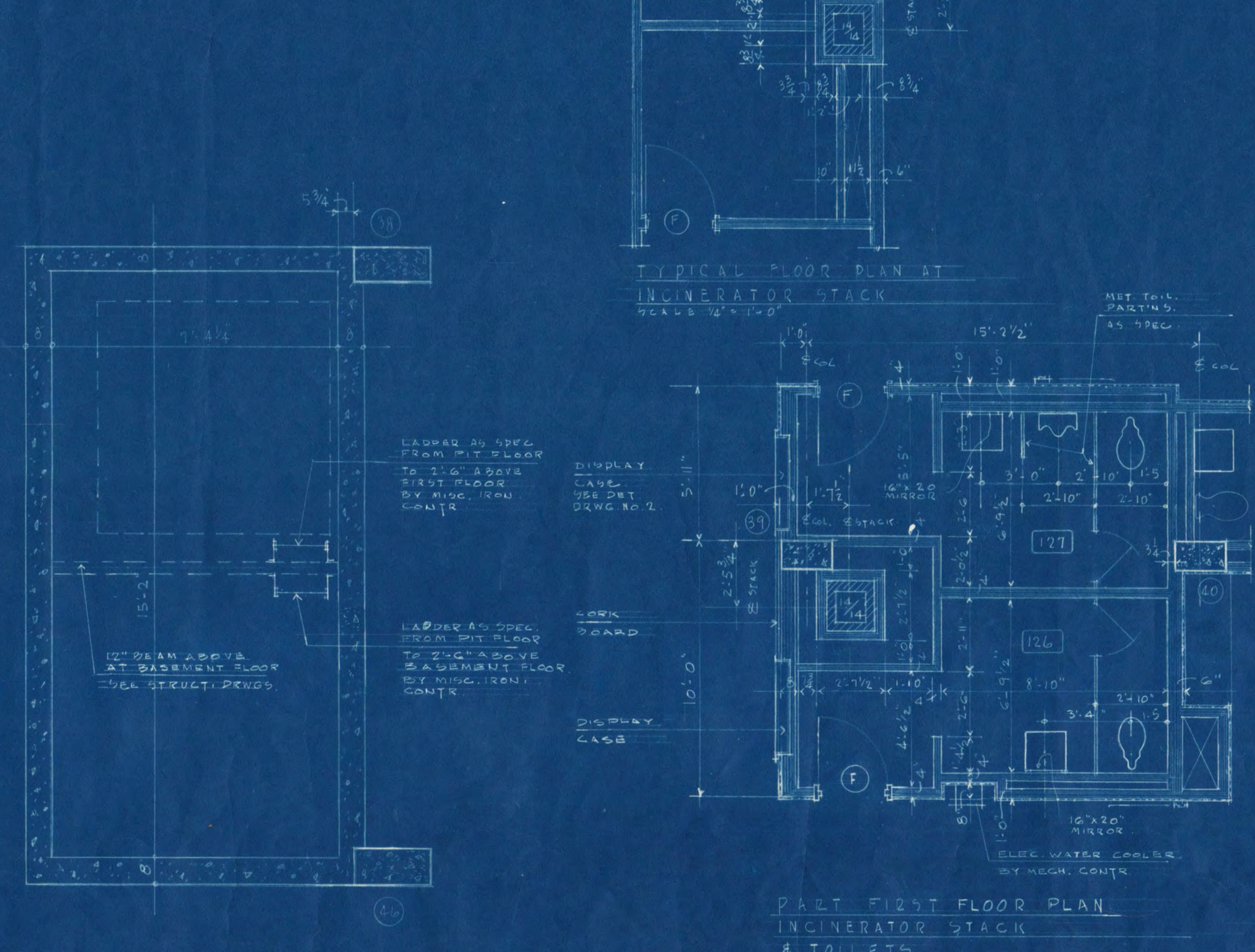
SECTION THRU STAIR A  
SCALE: 1/4" = 1'-0"



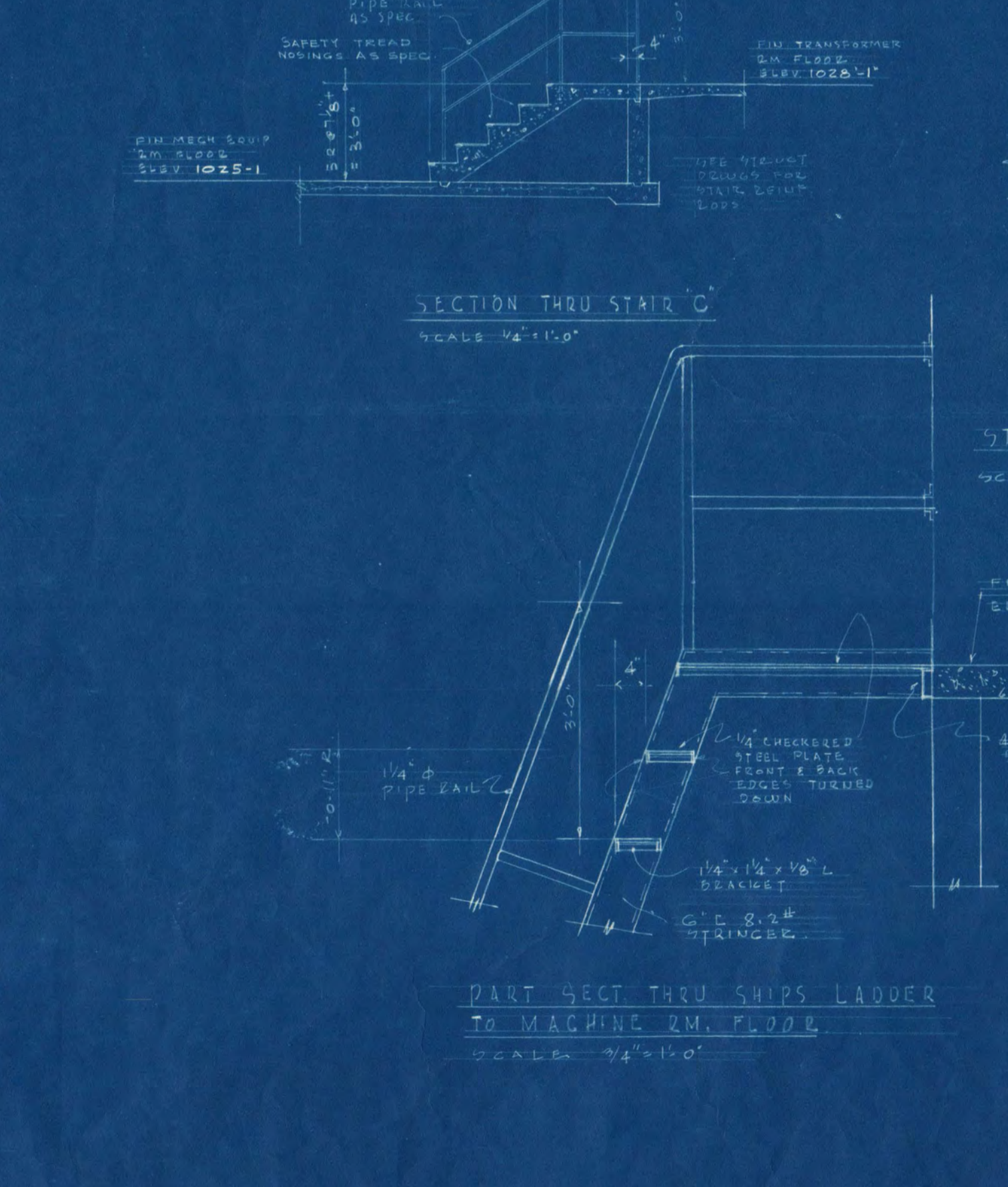
SECTION THRU STAIR B  
SCALE: 1/4" = 1'-0"



TYPICAL FLOOR PLAN - STAIR A & ELEVATOR  
SCALE: 3/8" = 1'-0"

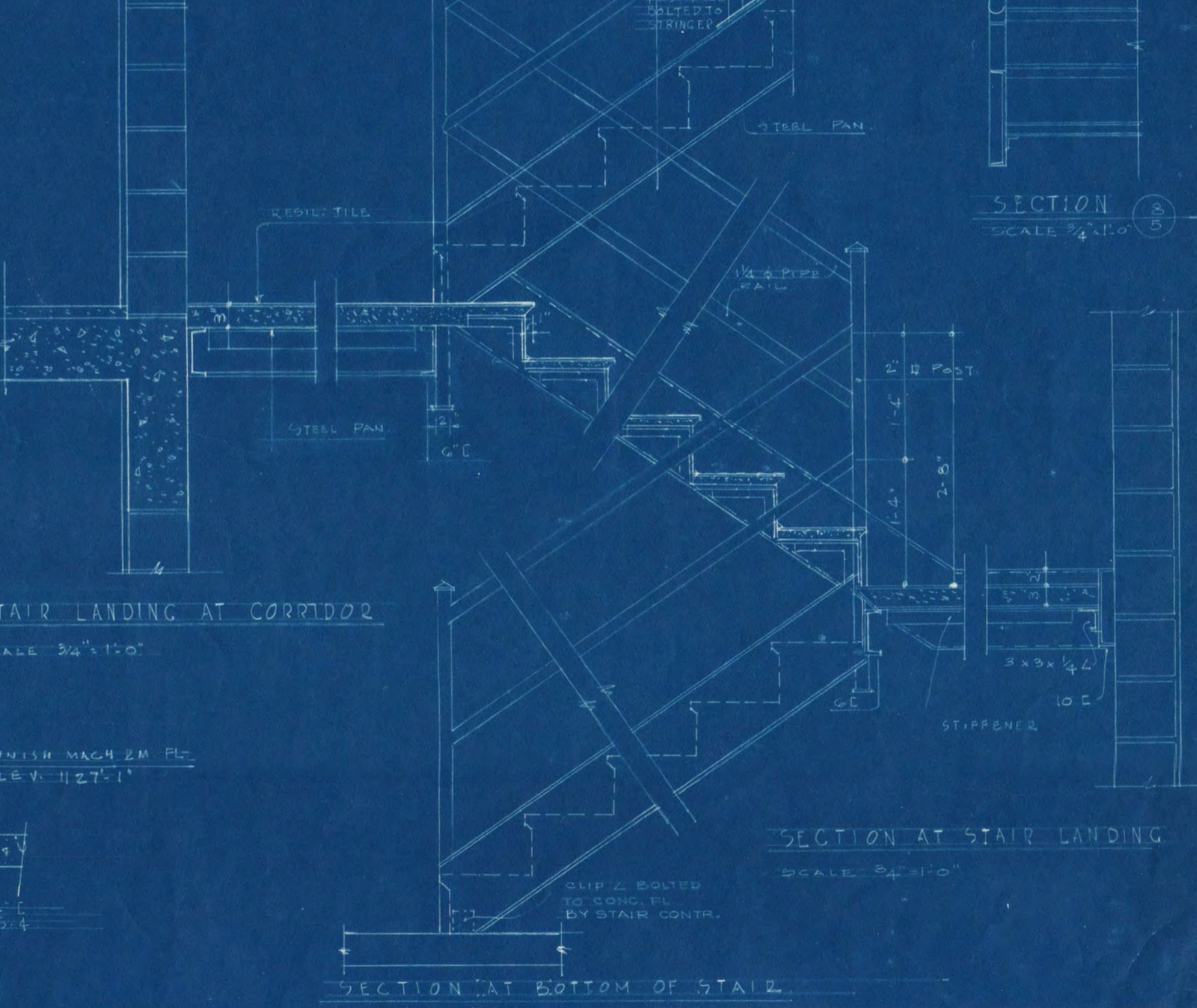


FLOOR PLAN - INCINERATOR STACK  
SCALE: 3/8" = 1'-0"



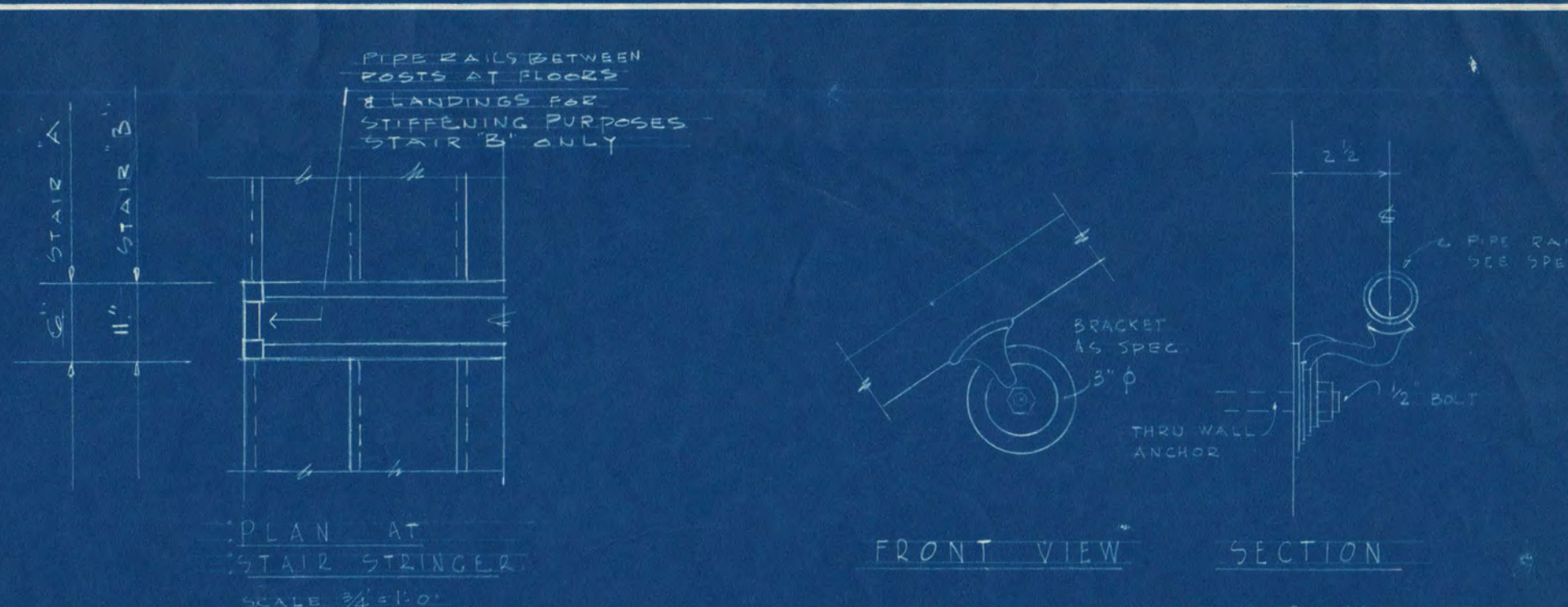
SECTION THRU STAIR C  
SCALE: 1/4" = 1'-0"

PART SECT THRU SHIPS LADDER TO MACHINE RM. FLOOR  
SCALE: 1/4" = 1'-0"



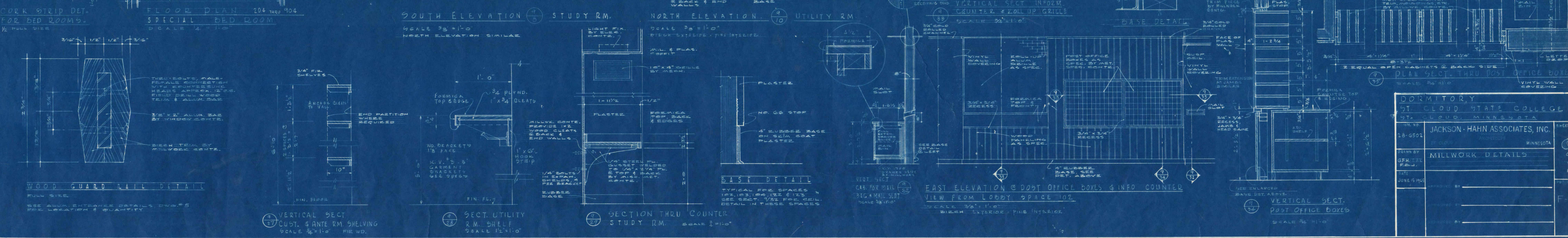
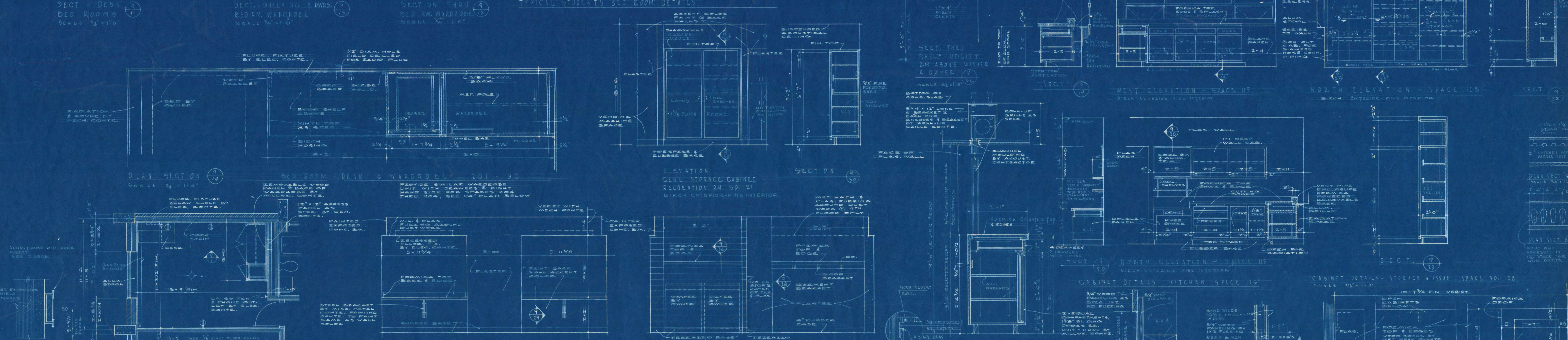
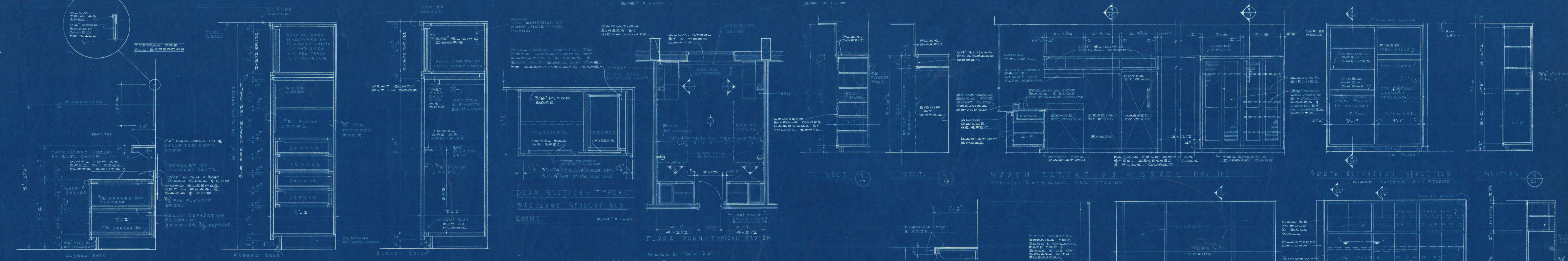
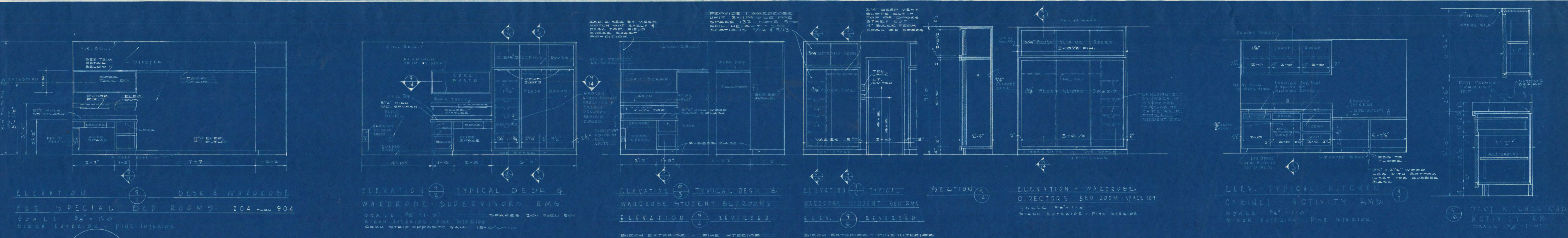
SECTION AT STAIR LANDING  
SCALE: 3/8" = 1'-0"

SECTION AT BOTTOM OF STAIR  
SCALE: 3/8" = 1'-0"



WALL HUNG HANDRAIL  
SCALE: 3/8" = 1'-0"

DORMITORY ST. CLOUD STATE COLLEGE ST. CLOUD, MINNESOTA		
DATE: 12-1952	JACKSON & ANN ASSOCIATES, INC. ARCHITECTS MINNESOTA	SHEET NO. 10
DESIGN BY: E.A.K.	DETAILS - STAIRS A, B & C ELEVATOR & INCINERATOR STACK	OF 10
BY: JUNE 1953		PREPARED BY: F.A.
APPROVED BY:		



**DORMITORY**  
ST. CLOUD STATE COLLEGE  
ST. CLOUD, MINNESOTA

**JACKSON - HAHN ASSOCIATES, INC.**  
MINNESOTA

**MILLWORK DETAILS**

DATE: JUNE 1955

PROJECT NO. 18-6502

SCALE: 3/8" = 1'-0"

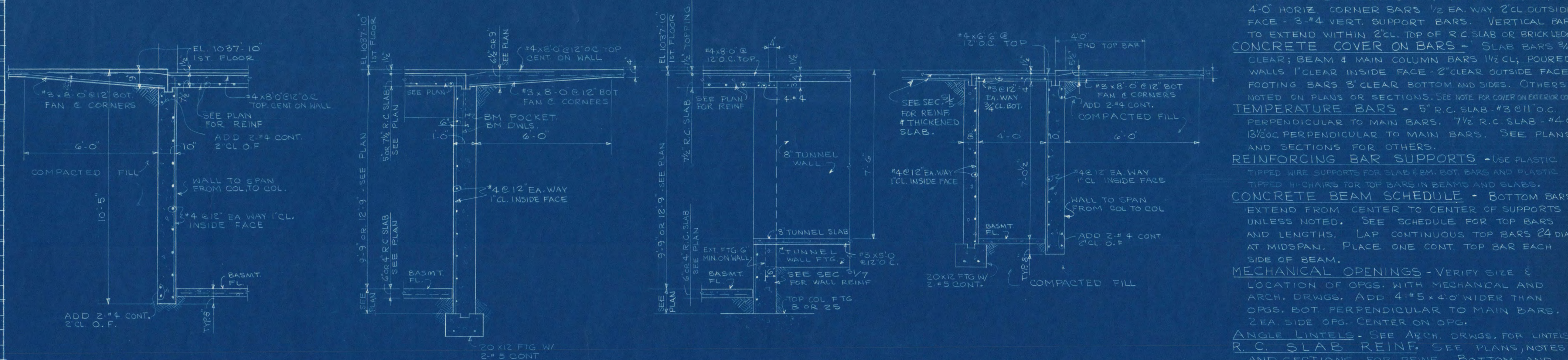
10

F-1A



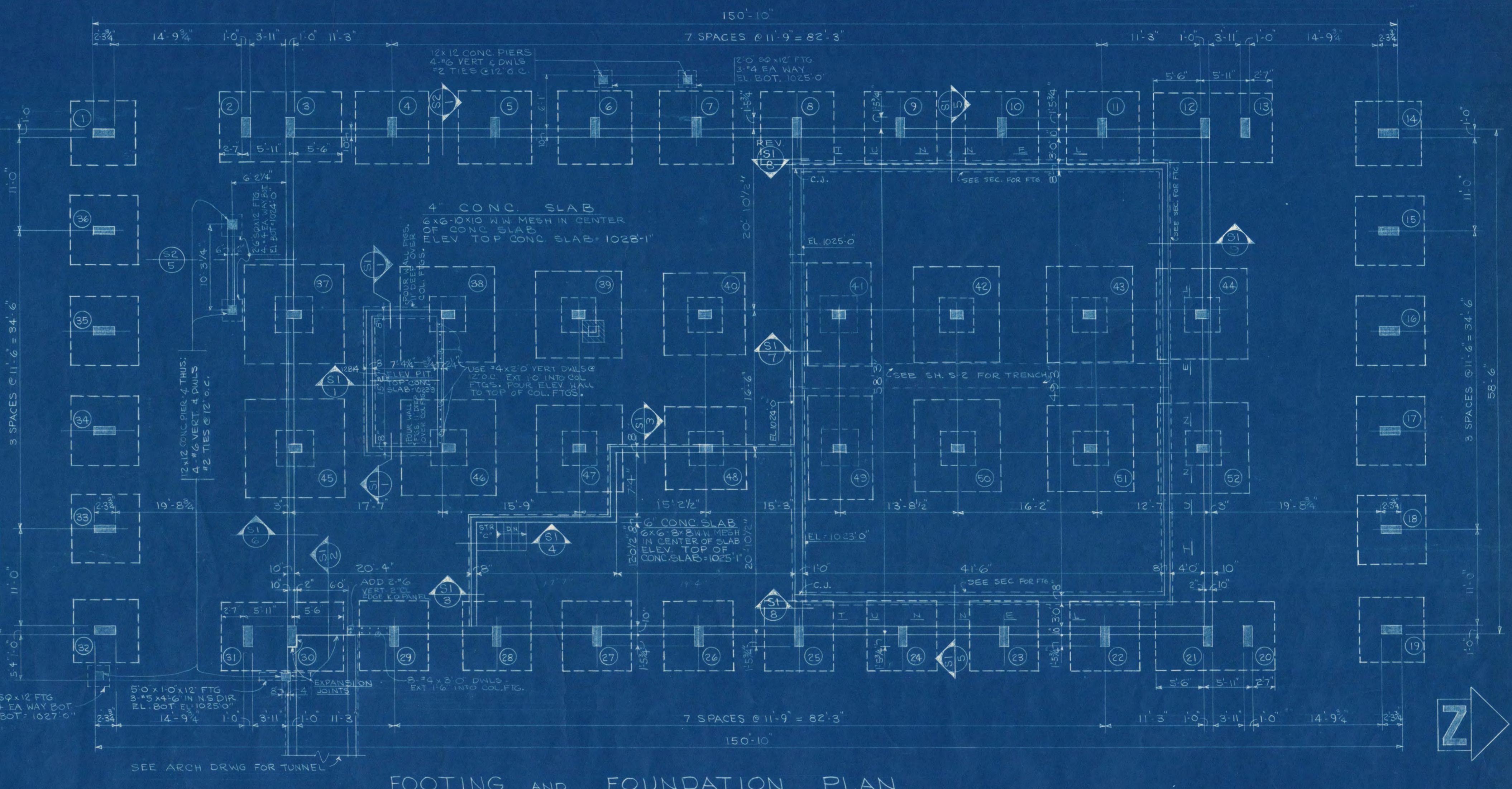
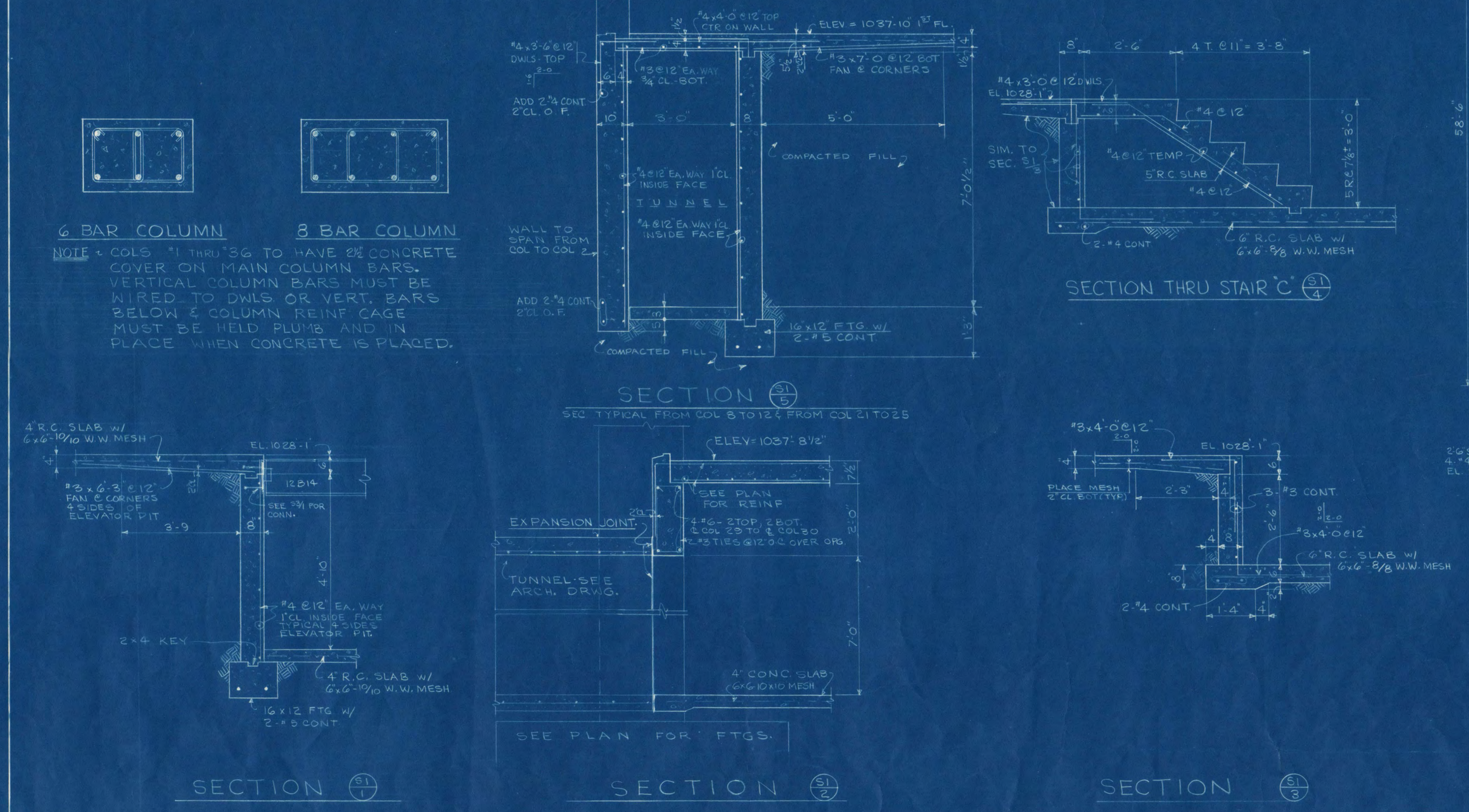
CONCRETE COLUMN AND FOOTING SCHEDULE

COLUMN NUMBER	1-14-19-32	2-13-20-31	3-12-21-30	4THRU 11-22THRU 23	15THRU 18-33THRU 36	27-45	38-46	39-47	40-48	41-49	42-50	43-51	44-52
COL. SIZE	27 1/2 x 12	12 x 27 3/4	12 x 27 3/4	12 x 27 3/4	27 1/2 x 12	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12
VERT BARS	6-#6	6-#6	6-#6	6-#6	6-#6	4-#6	4-#6	4-#6	4-#6	4-#6	4-#6	4-#6	4-#6
TIES @ 12"	2 SETS #2	2 SETS #2	2 SETS #2	2 SETS #2	2 SETS #2	#2	#2	#2	#2	#2	#2	#2	#2
COL. LOAD (KIPS)	18	8	33	24	25	20	103	55	41	2	2	41	46
COL. SIZE	27 1/2 x 12	12 x 27 3/4	12 x 27 3/4	12 x 27 3/4	27 1/2 x 12	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12
VERT BARS	6-#6	6-#6	6-#6	6-#6	6-#6	4-#6	4-#6	4-#6	4-#6	4-#6	4-#6	4-#6	4-#6
TIES @ 12"	2 SETS #2	2 SETS #2	2 SETS #2	2 SETS #2	2 SETS #2	#2	#2	#2	#2	#2	#2	#2	#2
COL. LOAD (KIPS)	52	22	82	43	65	43	164	109	97	30	32	97	105
COL. SIZE	27 1/2 x 12	12 x 27 3/4	12 x 27 3/4	12 x 27 3/4	27 1/2 x 12	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12
VERT BARS	6-#6	6-#6	6-#6	6-#6	6-#6	4-#6	4-#6	4-#6	4-#6	4-#6	4-#6	4-#6	4-#6
TIES @ 12"	2 SETS #2	2 SETS #2	2 SETS #2	2 SETS #2	2 SETS #2	#3	#3	#2	#2	#2	#2	#2	#2
COL. LOAD (KIPS)	86	37	132	101	105	218	225	163	153	142	144	153	164
COL. SIZE	27 1/2 x 12	12 x 27 3/4	12 x 27 3/4	12 x 27 3/4	27 1/2 x 12	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12
VERT BARS	6-#6	6-#6	6-#6	6-#6	6-#6	4-#6	4-#6	4-#6	4-#6	4-#6	4-#6	4-#6	4-#6
TIES @ 12"	2 SETS #2	2 SETS #2	2 SETS #2	2 SETS #2	2 SETS #2	#3	#3	#2	#2	#2	#2	#2	#3
COL. LOAD (KIPS)	120	51	181	149	145	287	284	217	203	194	200	209	223
COL. SIZE	27 1/2 x 12	12 x 27 3/4	12 x 27 3/4	12 x 27 3/4	27 1/2 x 12	18 x 12	16 x 12	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12	16 x 12
VERT BARS	6-#6	6-#6	6-#6	6-#6	6-#6	8-#9	4-#9	4-#9	4-#9	4-#8	4-#8	4-#9	4-#7
TIES @ 12"	2 SETS #2	2 SETS #2	2 SETS #2	2 SETS #2	2 SETS #2	#3	#3	#3	#3	#3	#3	#3	#3
COL. LOAD (KIPS)	163	65	230	178	185	356	347	271	265	246	254	265	282
COL. SIZE	27 1/2 x 12	12 x 27 3/4	12 x 27 3/4	12 x 27 3/4	27 1/2 x 12	20 x 12	18 x 12	16 x 12	16 x 12	16 x 12	16 x 12	16 x 12	16 x 12
VERT BARS	6-#6	6-#6	6-#6	6-#6	6-#6	8-#9	8-#9	4-#9	4-#9	4-#8	4-#8	4-#9	4-#9
TIES @ 12"	2 SETS #2	2 SETS #2	2 SETS #2	2 SETS #2	2 SETS #2	2 SETS #3	2 SETS #3	#3	#3	#3	#3	#3	#3
COL. LOAD (KIPS)	187	80	280	217	225	425	408	325	321	298	306	321	341
COL. SIZE	27 1/2 x 12	12 x 27 3/4	12 x 27 3/4	12 x 27 3/4	27 1/2 x 12	24 x 12	24 x 12	20 x 12	20 x 12	20 x 12	20 x 12	20 x 12	20 x 12
VERT BARS	6-#6	6-#6	6-#6	6-#6	6-#6	8-#9	8-#9	6-#9	6-#9	6-#8	6-#8	6-#9	6-#9
TIES @ 12"	2 SETS #2	2 SETS #2	2 SETS #2	2 SETS #2	2 SETS #2	2 SETS #3	2 SETS #3	2 SETS #3	2 SETS #3	2 SETS #3	2 SETS #3	2 SETS #3	2 SETS #3
COL. LOAD (KIPS)	255	109	373	294	305	563	530	433	402	416	433	453	453
COL. SIZE	27 1/2 x 12	12 x 27 3/4	12 x 27 3/4	12 x 27 3/4	27 1/2 x 12	24 x 14	24 x 14	24 x 12	24 x 12	20 x 12	20 x 12	24 x 12	24 x 12
VERT BARS	6-#6	6-#6	6-#6	6-#6	6-#6	8-#9	8-#9	6-#9	6-#9	8-#9	8-#9	6-#9	8-#9
TIES @ 12"	2 SETS #2	2 SETS #2	2 SETS #2	2 SETS #2	2 SETS #2	2 SETS #3	2 SETS #3	2 SETS #3	2 SETS #3	2 SETS #3	2 SETS #3	2 SETS #3	2 SETS #3
COL. LOAD (KIPS)	289	124	431	356	347	632	591	487	489	451	410	489	518
COL. SIZE	27 1/2 x 12	12 x 27 3/4	12 x 27 3/4	12 x 27 3/4	27 1/2 x 12	24 x 14	24 x 14	24 x 14	24 x 14	24 x 12	24 x 12	24 x 14	24 x 12
VERT BARS	6-#6	6-#6	6-#6	6-#6	6-#6	8-#9	8-#9	6-#9	6-#9	8-#9	8-#9	6-#9	8-#9
TIES @ 12"	2 SETS #2	2 SETS #2	2 SETS #2	2 SETS #2	2 SETS #2	2 SETS #3	2 SETS #3	2 SETS #3	2 SETS #3	2 SETS #3	2 SETS #3	2 SETS #3	2 SETS #3
COL. LOAD (KIPS)	278	133	439	399	357	732	658	546	551	511	523	556	576
ELEV. TOP OF FTG.	1028.0	2.3, 30.3, 1027.4	1028.10	1028.10	1028.10	1028.10	1028.10	1028.10	1028.10	1028.10	1028.10	1028.10	1028.10
TOP CAP SIZE	---	---	---	---	---	4-3/4 x 3	4-3/4 x 3	4-0 x 4-0	4-0 x 4-0	4-3/4 x 3	4-0 x 4-0	4-0 x 4-0	4-0 x 4-0
DEPTH	---	---	---	---	---	11'	11'	9'	9'	9'	9'	9'	9'
FOOTING TOP SIZE	7-6 x 7-6	14-0 x 8-0	8-6 x 8-6	8-0 x 8-0	11-6 x 11-6	11-0 x 11-0	10-0 x 10-0	10-0 x 10-0	7-6 x 7-6	10-0 x 10-0	10-0 x 10-0	10-6 x 10-6	10-6 x 10-6
REIN. BARS	14-#7	16-#10 x 13-#6	15-#8	14-#8	17-#10	16-#10	16-#9	16-#9	16-#9	16-#9	16-#9	16-#9	18-#9
ELEV. BOT. OF FTG.	1027.0	2.3, 30.3, 1025.0	1027.0	1027.0	1027.0	1027.0	1027.0	1027.0	1027.0	1027.0	1027.0	1027.0	1027.0



**STRUCTURAL NOTES**  
 DESIGN DATA -  
 FC = COMPRESSIVE CONCRETE STRESS IN 28 DAYS = 4,000 PSI EXCEPT AS NOTED FOR COLUMNS.  
 = 5,000 PSI COLUMNS #7 THRU #2 FROM FOOTINGS TO 7TH FLOOR (ELEV. = 1028.10).  
 FY = 40,000 PSI (A15) N.B. REIN. BARS EXCEPT AS NOTED FOR COLUMNS.  
 FY = 60,000 PSI (A32) N.B. VERTICAL REIN. BARS AND DOWELS IN COLUMNS.  
 FY = 36,000 PSI (A36) STRUCTURAL STEEL (1/2" x 1/4" MAY BE A7)  
 LIVE LOADS: ROOF = 40 PSI; MACH. ROOM = 100 PSI; STAIRS 100 PSI; FIRST FLOOR 100 PSI; SOIL BEARING DESIGN VALUE 6,000 PSI  
 DESIGN CODES: CONCRETE - A.C.I. BUILDING CODE; STRUCTURAL STEEL - A.I.S.C. SPECS.; STEEL JOISTS - STEEL JOIST INSTITUTE SPECS. - ALL CODES LATEST EDITION.  
 POURED CONCRETE WALLS - USE #4 @ 12" O.C. EA WAY - 1" CLEAR INSIDE FACE ALL POURED CONCRETE WALLS. SEE SECTIONS FOR ADDED REIN. #4 x 4-0 HORIZ. CORNER BARS 1/2" EA WAY 2" CL. OUTSIDE FACE - 3-#4 VERT. SUPPORT BARS. VERTICAL BARS TO EXTEND WITHIN 2" CL. TOP OF R.C. SLAB OR BRICKLIME CONCRETE COVER ON BARS - SLAB BARS 3/4" CLEAR; BEAM 4" MAIN COLUMN BARS 1 1/2" CL.; POURED WALLS 1" CLEAR INSIDE FACE - 2" CLEAR OUTSIDE FACE; FOOTING BARS 3" CLEAR BOTTOM AND SIDES. OTHERS NOTED ON PLANS OR SECTIONS. SEE NOTE FOR COVER ON OTHERS.  
 TEMPERATURE BARS - 5" R.C. SLAB #3 @ 11" O.C. PERPENDICULAR TO MAIN BARS. 7/8" R.C. SLAB #4 @ 13" O.C. PERPENDICULAR TO MAIN BARS. SEE PLANS AND SECTIONS FOR OTHERS.  
 REINFORCING BAR SUPPORTS - USE PLASTIC TYPED WIRE SUPPORTS FOR SLABS. BARS IN BEAMS AND PLANS TO EXTEND FROM CENTER TO CENTER OF SUPPORTS UNLESS NOTED. SEE SCHEDULE FOR TOP BARS AND LENGTHS. LAP CONTINUOUS TOP BARS 24" DIA. AT MIDSPAN. PLACE ONE CONT. TOP BAR EACH SIDE OF BEAM.  
 MECHANICAL OPENINGS - VERIFY SIZE & LOCATION OF OPENS. WITH MECHANICAL & ARCH. DRAWINGS. ADD 4-#5 x 4-0" WIDER THAN OPENS. BOTH PERPENDICULAR TO MAIN BARS. 2" EA. SIDE OPS. CENTER ON OPS.  
 ANGLE LINTELS - SEE ARCH. DRGS. FOR LINTEL R.C. SLAB REIN. SEE PLANS, NOTES AND SECTIONS FOR REIN. BOTTOM AND TOP BARS TO EXTEND TO WITHIN 2" CLEAR OUTSIDE FACE OF CONCRETE. (SEE SECTIONS).  
 DIMENSIONS - ALL DIMENSIONS GIVEN ON PLAN ARE TO FACE OR C. OF CONCRETE. SEE ARCH. DRGS. AND SECTIONS #11 THRU #14.

**COLUMN AND FOOTING SCHEDULE NOTES:** FIRST DIMENSION GIVEN LEFT TO RIGHT (SOUTH TO NORTH) DIRECTION. TOP CAP AND FOOTING MUST BE POURED TOGETHER. COLUMNS IN WALLS ARE SHOWN FOR REINFORCING PURPOSES ONLY AND MUST BE POURED WITH THE WALLS. EXTEND COLUMN BARS SAME NO. AS IN COLUMN ABOVE - 30 DIA. ABOVE R.C. SLAB EXCEPT TO WITHIN 2" TOP OF ROOF SLAB. SEE BELOW FOR #4 & #8 BAR COLUMN DETAILS & TIES. EXTEND DOWELS 30 DIA. INTO FOOTINGS & 30 DIA. INTO FOOTINGS W/R=6" MIN. RADIUS BEND. SEE #9 FOR STEEL PENTHOUSE COLUMNS.  
 NOTE: VERT. REIN. 4 DOWLS TO BE #4 @ 32" FY=40,000 PSI. TIES 4 FOOTING REIN. MAY BE A15 FY=40,000 PSI.  
 FC = COMPRESSIVE CONCRETE STRESS IN 28 DAYS. FC=4000 PSI ALL FOOTINGS & COLUMNS #1 THRU #36 FROM FOOTINGS TO ROOF AND COLUMNS #37 THRU #52 FROM 7TH FLOOR TO ROOF. FC=5,000 PSI COLUMNS #37 THRU #52 FROM FOOTINGS TO 7TH FLOOR (ELEV. = 1028.10).  
 ULTIMATE STRENGTH DESIGN: CONCRETE COLUMN DESIGN BASED ON ULTIMATE STRENGTH USING A LOAD FACTOR K=2.25 COL #45 EXTEND COL SIZE SAME SIZE AS COL BELOW TO BOT. OF STAIR LANDING. REIN. TIES MAY BE CHANGED AT FLOORS, BUT CONC. DIM. MUST BE CHANGED @ STAIR LANDING.



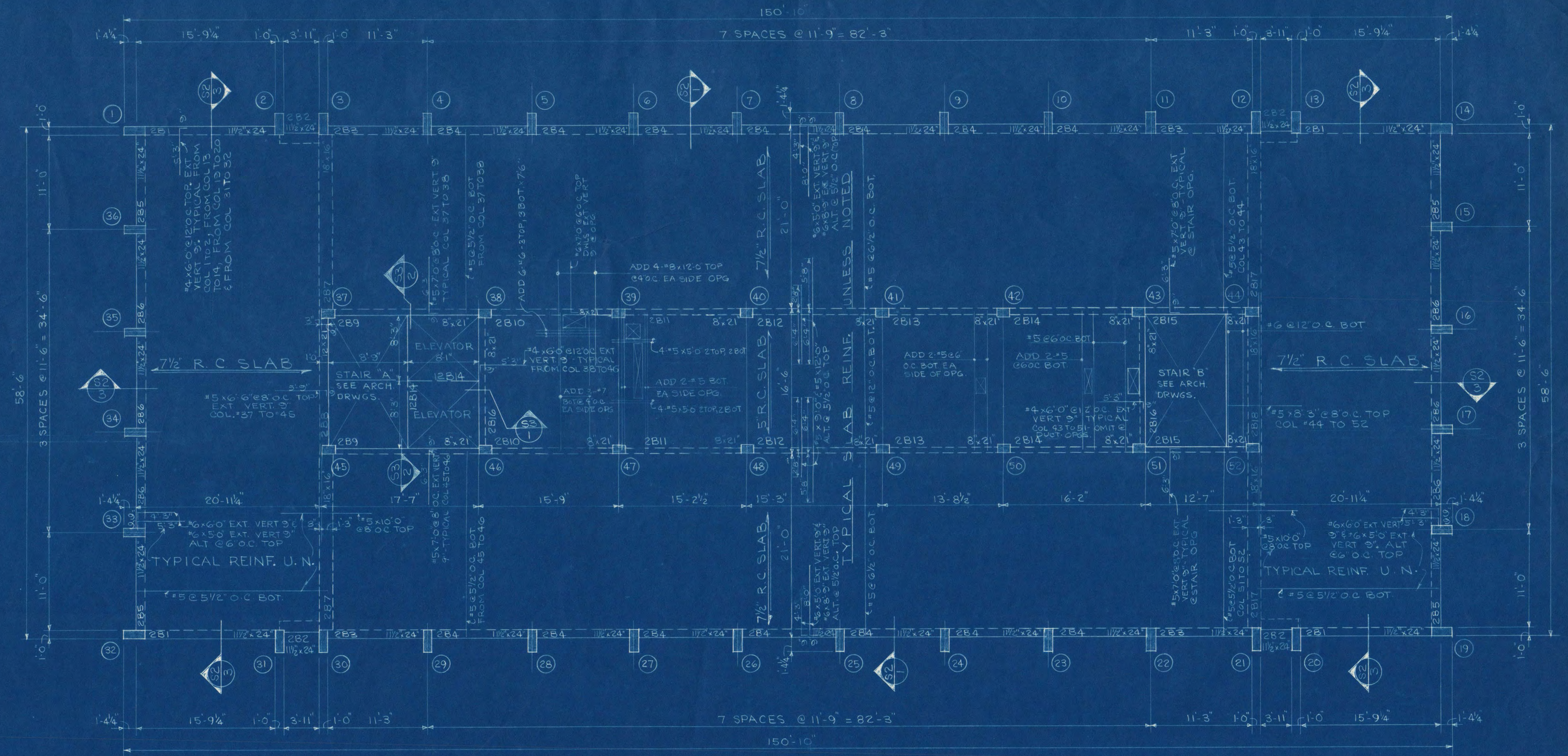
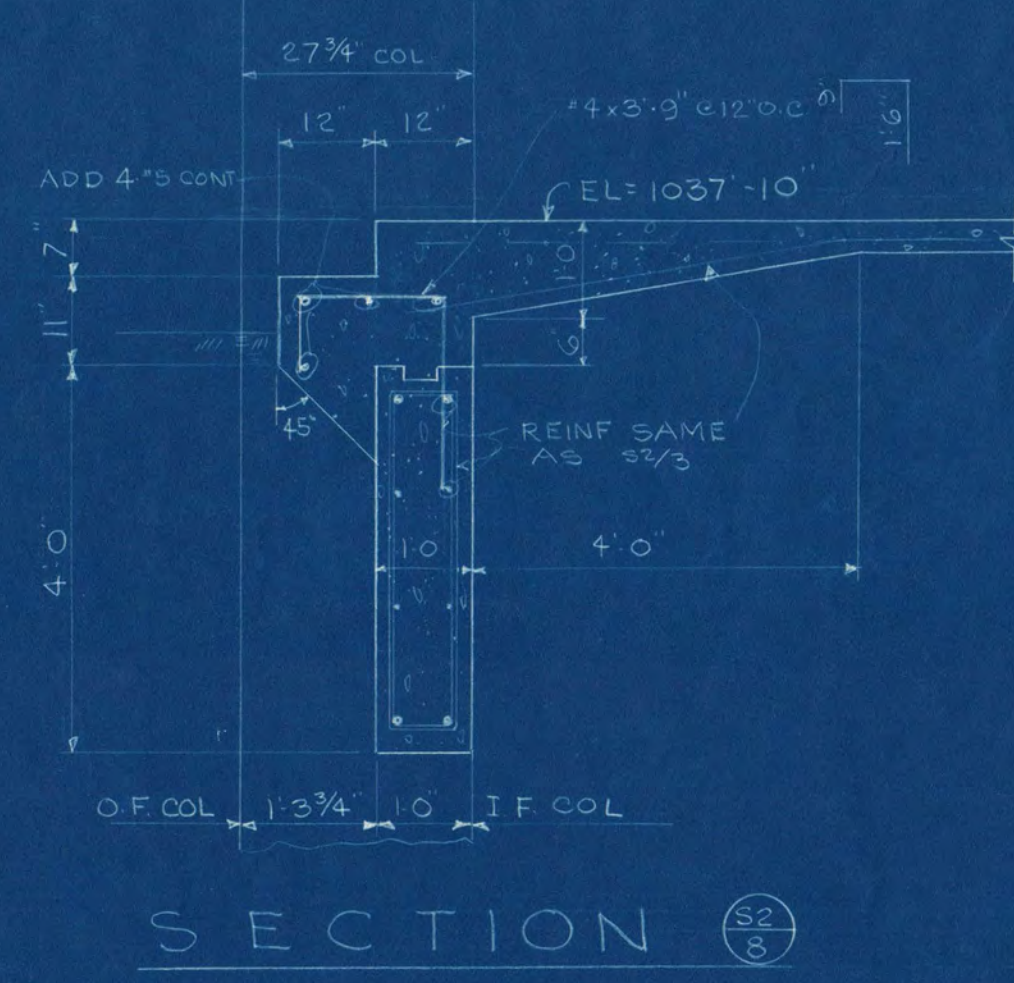
**DORMITORY**  
 ST. CLOUD STATE COLLEGE  
 ST. CLOUD, MINNESOTA  
 JACKSON-HAHN ASSOCIATES, INC.  
 ARCHITECTS  
 SHEET NO. S1  
 OF 3  
 F-1A

CONCRETE BEAM SCHEDULE

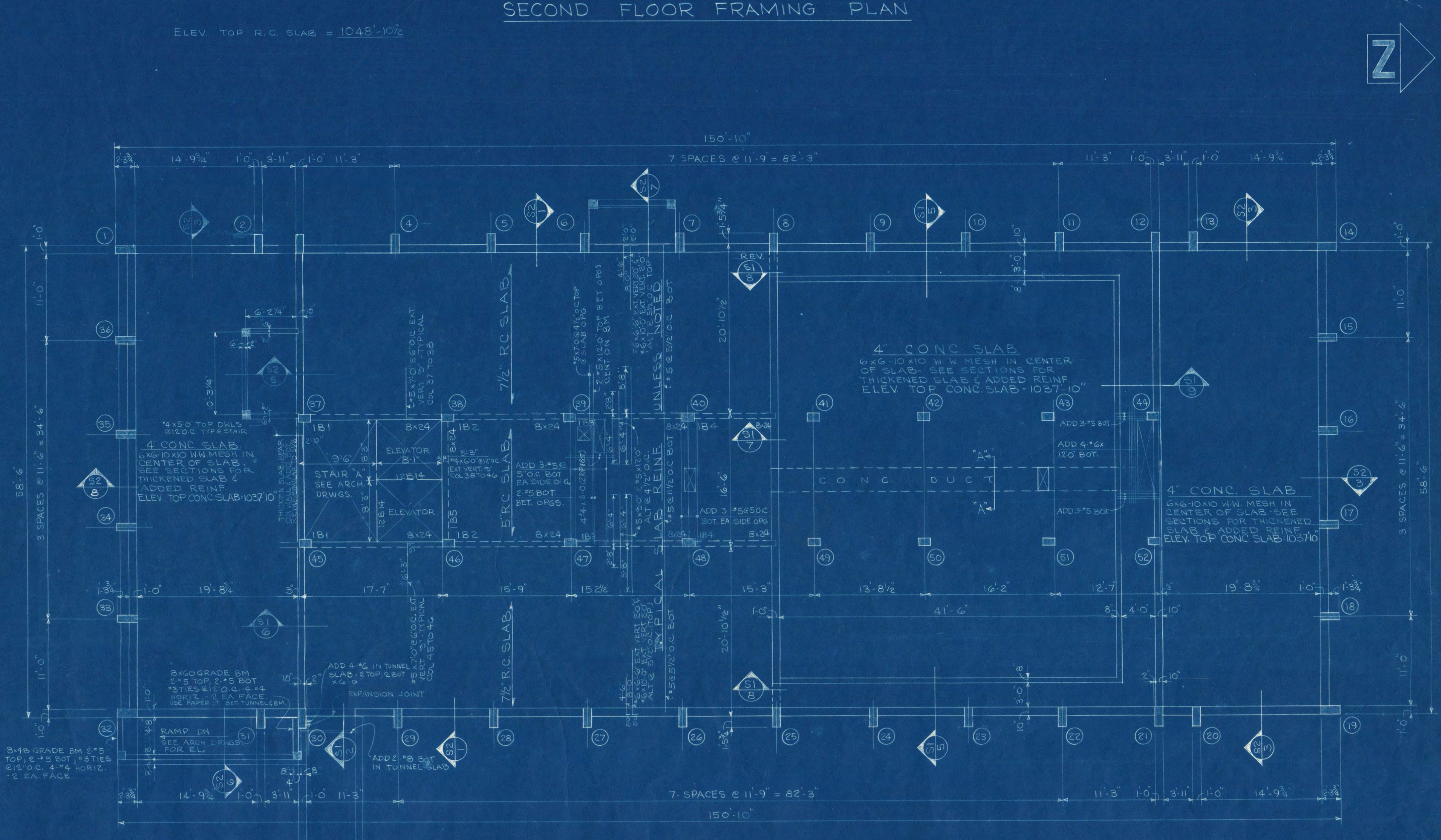
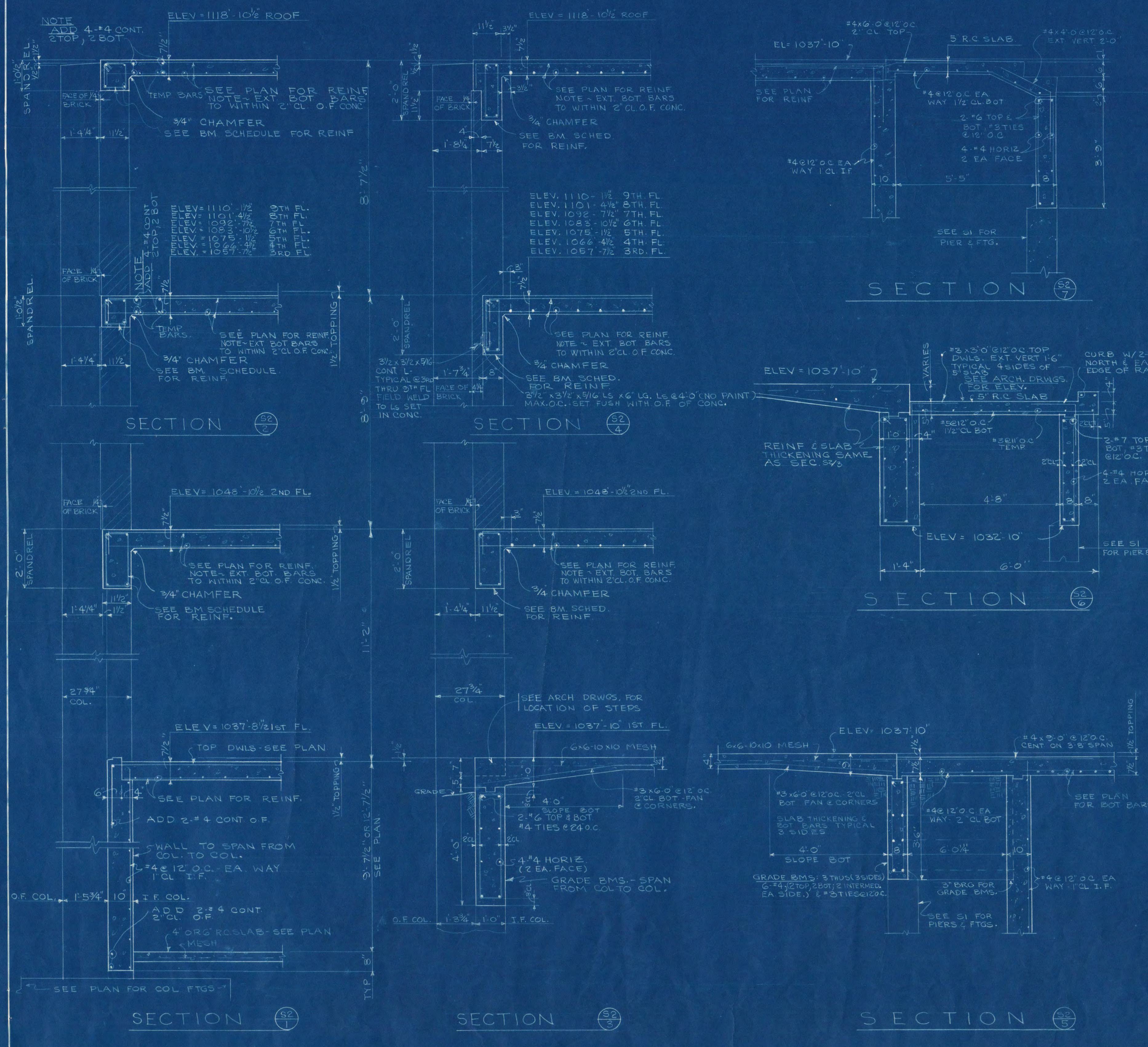
BEAM NUMBER	BM SIZE	STR BOT BARS	TOP BARS	STIRRUPS OR TIES	REMARKS
2B1	11 1/2" x 24"	#6 @ 24"	#6 CONT. 1/2" CTR. ON SPAN	#3 @ 12"	
2B2	11 1/2" x 24"	#6 @ 24"	#6 CONT. 1/2" CTR. ON SPAN	#3 @ 12"	
2B3	11 1/2" x 24"	#6 @ 24"	#6 CONT. 1/2" CTR. ON SPAN	#3 @ 12"	
2B4	11 1/2" x 24"	#6 @ 24"	#6 CONT. 1/2" CTR. ON SPAN	#3 @ 12"	
2B5	11 1/2" x 24"	#6 @ 24"	#6 CONT. 1/2" CTR. ON SPAN	#3 @ 12"	
2B6	11 1/2" x 24"	#6 @ 24"	#6 CONT. 1/2" CTR. ON SPAN	#3 @ 12"	
2B7	15" x 16"	#3 @ 12"	#3 CONT. LAP W/ 1/2" MIDSPAN	#3 @ 12"	
2B8	12" x 21"	#7 @ 12"	#7 CONT. LAP W/ 1/2" MIDSPAN	#3 @ 12"	
2B9	8" x 21"	#5 @ 12"	#5 CONT. LAP W/ 1/2" MIDSPAN	#3 @ 12"	
2B10	8" x 21"	#5 @ 12"	#5 CONT. LAP W/ 1/2" MIDSPAN	#3 @ 12"	
2B11	8" x 21"	#5 @ 12"	#5 CONT. LAP W/ 1/2" MIDSPAN	#3 @ 12"	
2B12	8" x 21"	#5 @ 12"	#5 CONT. LAP W/ 1/2" MIDSPAN	#3 @ 12"	
2B13	8" x 21"	#5 @ 12"	#5 CONT. LAP W/ 1/2" MIDSPAN	#3 @ 12"	
2B14	8" x 21"	#5 @ 12"	#5 CONT. LAP W/ 1/2" MIDSPAN	#3 @ 12"	
2B15	8" x 21"	#5 @ 12"	#5 CONT. LAP W/ 1/2" MIDSPAN	#3 @ 12"	
2B16	8" x 21"	#5 @ 12"	#5 CONT. LAP W/ 1/2" MIDSPAN	#3 @ 12"	
2B17	18" x 16"	#3 @ 12"	#3 CONT. LAP W/ 1/2" MIDSPAN	#3 @ 12"	
2B18	18" x 16"	#3 @ 12"	#3 CONT. LAP W/ 1/2" MIDSPAN	#3 @ 12"	

1B1	8" x 24"	#5 @ 24"	#5 CONT. LAP W/ 1/2" MIDSPAN	#3 @ 12"	
1B2	8" x 24"	#5 @ 24"	#5 CONT. LAP W/ 1/2" MIDSPAN	#3 @ 12"	
1B3	8" x 24"	#5 @ 24"	#5 CONT. LAP W/ 1/2" MIDSPAN	#3 @ 12"	
1B4	8" x 24"	#5 @ 24"	#5 CONT. LAP W/ 1/2" MIDSPAN	#3 @ 12"	
1B5	8" x 24"	#5 @ 24"	#5 CONT. LAP W/ 1/2" MIDSPAN	#3 @ 12"	

LAP BOT BARS 24 DIA. FROM B.M.S. 27.448 & COLS 37.44 & 45.82 FROM B.M.S. 25.480 & COLS 34.46  
 PLACE N-S TOP BARS & COLS 37.44 & 45.82 BELOW EAST-WEST TOP BARS. PLACE E-W TOP BARS & COLS 34.46 & 45.82 BELOW NORTH-SOUTH TOP BARS. SEE STRUCTURAL NOTES ON SHEET S1 FOR CONCRETE BEAM SCHEDULE NOTES.



SECOND FLOOR FRAMING PLAN



FIRST FLOOR FRAMING PLAN

**DORMITORY**  
 ST. CLOUD STATE COLLEGE  
 ST. CLOUD, MINNESOTA

JACKSON - HAHN ASSOCIATES, INC.  
 ARCHITECTS

SCHUETT-MEIER CO.  
 STRUCTURAL ENGINEERS  
 2811 WYAZATA BLVD., MPLS., MINN.

DATE: 10/1/58  
 DRAWN: [Name]  
 CHECKED: [Name]  
 APPROVED: [Name]

PROJECT NO. S2  
 SHEET NO. OF 3  
 DRAWING NO. F-1A