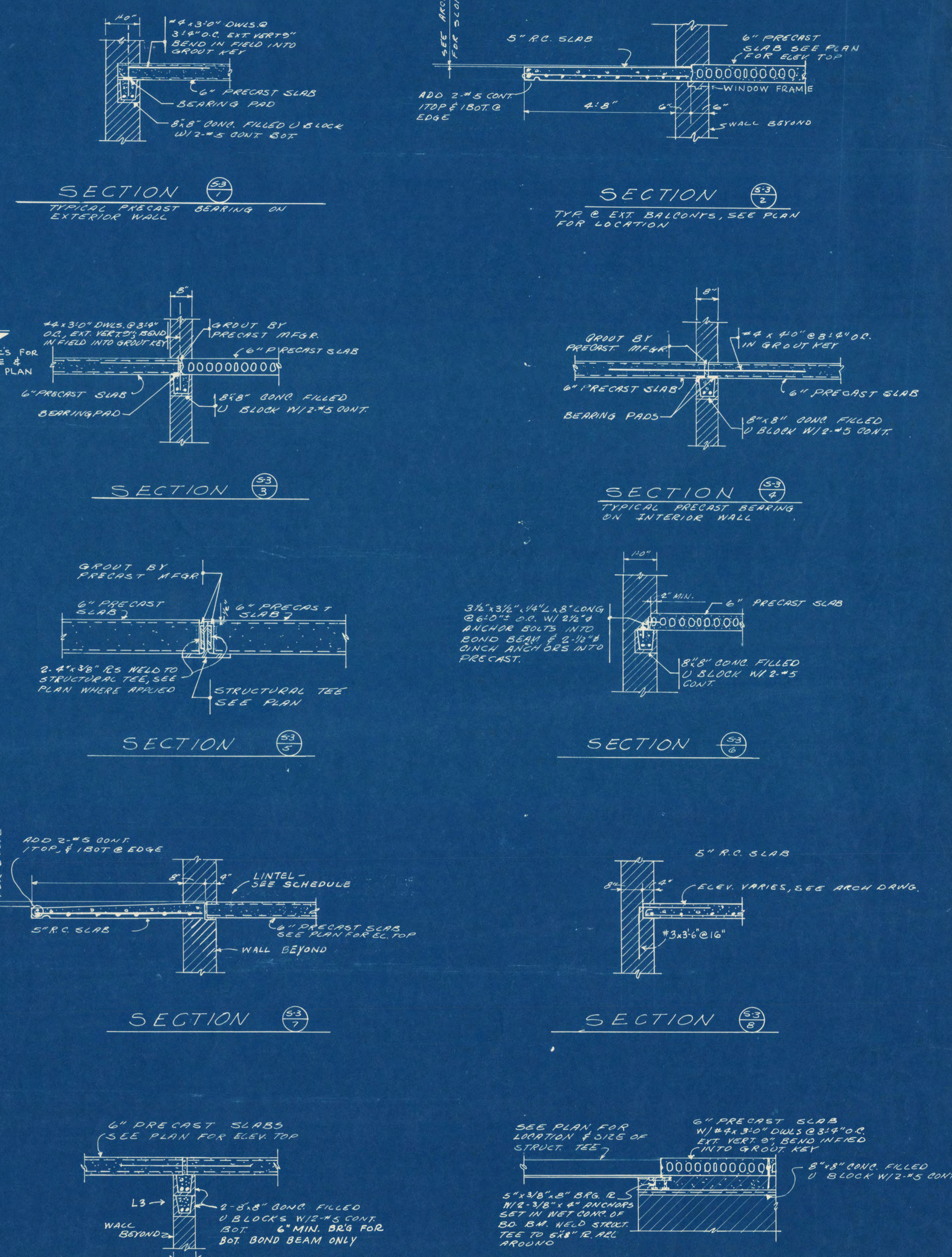


SECOND AND THIRD FLOOR FRAMING PLAN
 6" PRECAST CONCRETE FLOOR SLABS CAPABLE OF CARRYING A LIVE LOAD OF 80 PSF PLUS EQUIV PARTITION LOAD AND CEILING LOAD OF 35 PSF. SUPERIMPOSED LOAD WITH PRECAST TABLES & SAFETY PARTITION AND OBSERVATION ALLOWABLE DEFLECTION 1/360. 2x4x8 WOOD JOIST STRIPS SHALL BE USED FOR BEARING PADS. SEE PLAN FOR ELEVATION TOP OF SLABS AND SPAN OF PRECAST. SEE SHEET S-4 FOR COLUMN SCHEDULE. VERIFY SIZE & LOCATION OF ALL OPENINGS WITH MECHANICAL DRAWINGS.



SECTION TYP & INT DOORS
 SECTION TYPICAL FOR ALL INTERIOR DOOR @ 1ST, 2ND, & 3RD FLOORS.

TYP WALL ANCHORAGE FOR BEAMS & LINTELS
 DETAIL TYPICAL @ ALL S.M.S. @ 2ND, 3RD, & ROOF FRAMING.

TYP BALCONY SLAB

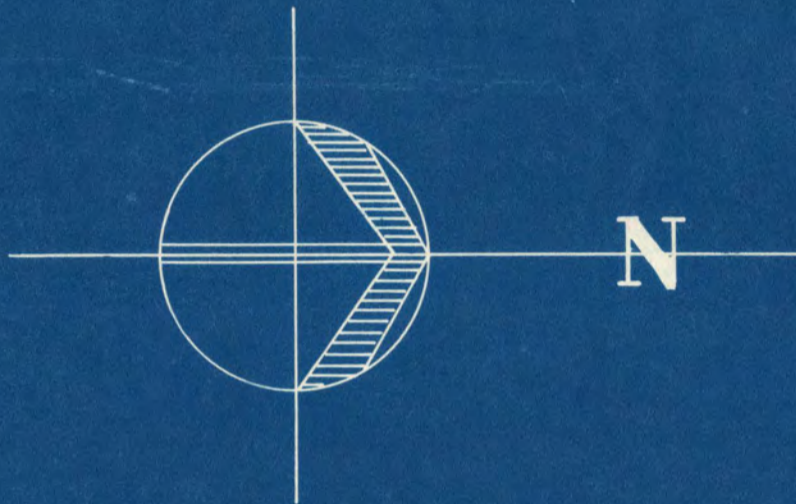
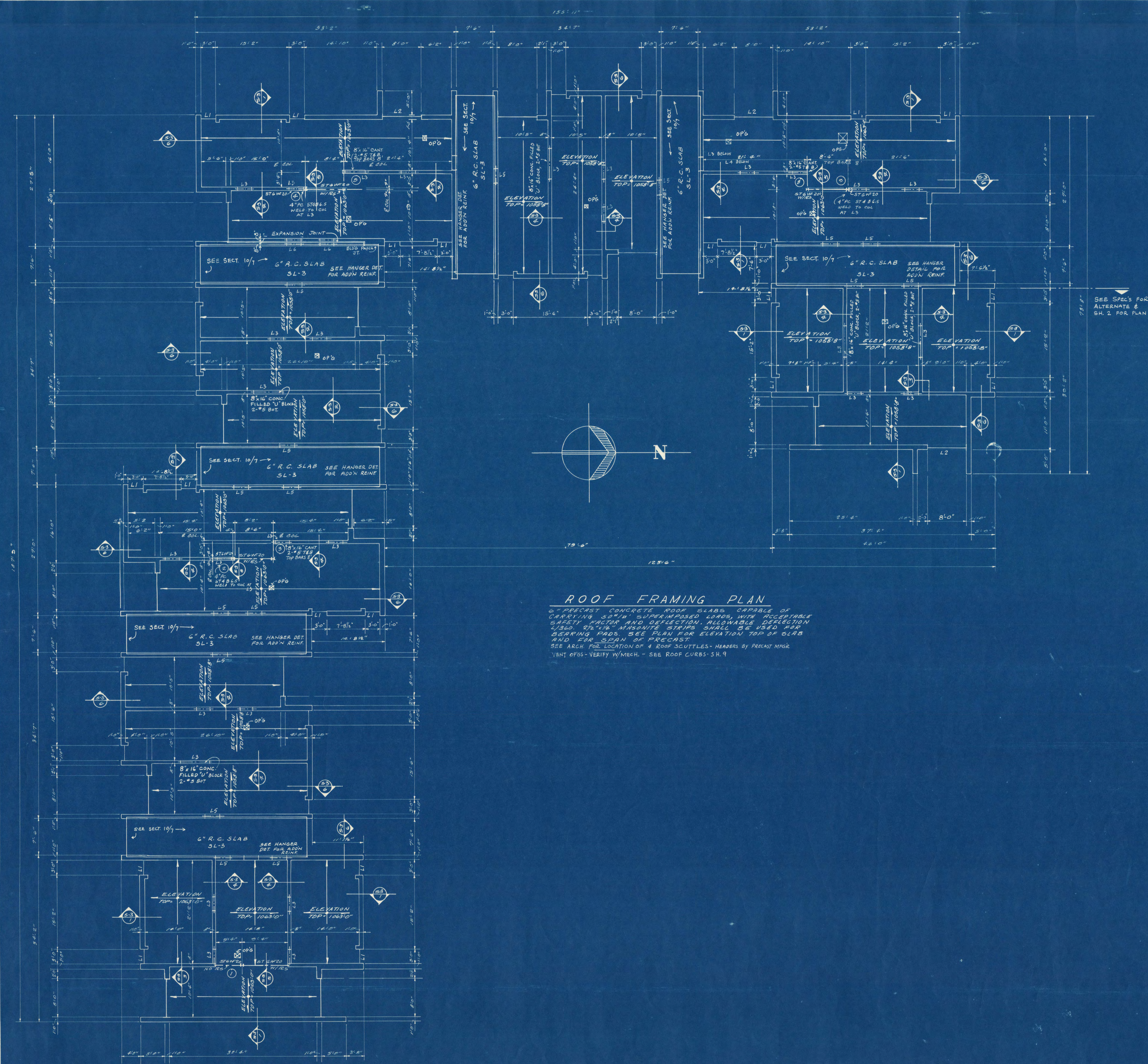
LINTEL SCHEDULE

MARK	SLAB THICKNESS	MAIN REINF.	TEMP REINF.	REMARKS
SL-1	5"	#4 @ 8"	#3 @ 11"	BALCONY SLAB
SL-2	5"	#5 @ 6"	#3 @ 11"	BALCONY SLAB
SL-3	6"	#3 @ 8"	#3 @ 9"	1ST FLR SLAB

MARK	OPG.	ANGLE	LOCATION
L1	3'-0"	6" x 4" @ 1/2 L	WINDOW
L2	3'-0"	6" x 4" x 3/8" L	WINDOW
L3	VARIES	DOUBLE OR 16" DEEP BOND	
L4	3'-0"	2-4" x 3/2" x 3/8" L	DOOR
L5	3'-0"	1-4" x 3/2" x 3/8" L	DOOR
L6	3'-0"	4-4" x 3/2" x 3/8" L	DOOR

BEAR 6" EA. END EXCEPT L2 BEAR 8" EA. END.



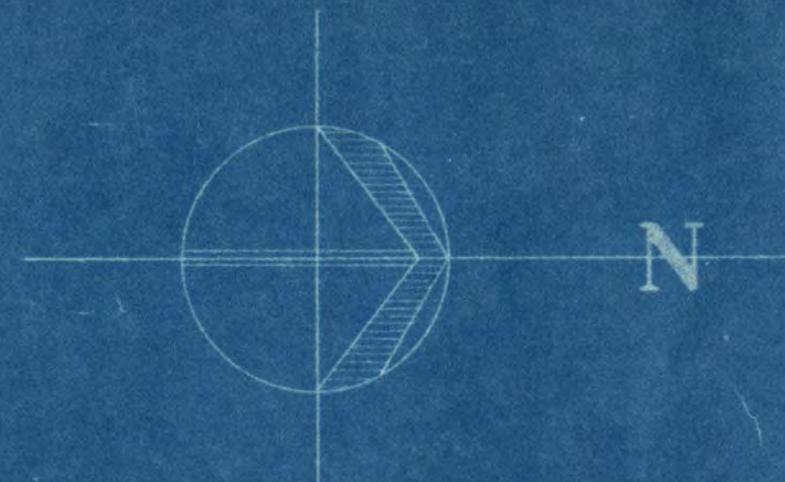


ROOF FRAMING PLAN

6" PRECAST CONCRETE ROOF SLABS CAPABLE OF CARRYING 50 PSF SUPERIMPOSED LOADS, WITH ACCEPTABLE SAFETY FACTOR AND DEFLECTION. ALLOWABLE DEFLECTION 1/360. 2" X 4" MASONITE STRIPS SHALL BE USED FOR BEARING AIDS. SEE PLAN FOR ELEVATION TOP OF CURB AND FOR SPAN OF PRECAST.
 SEE ARCH. FOR LOCATION OF 4 ROOF SCUTTLES - HEADERS BY PRECAST MGR.
 VENT OPS - VERIFY W/MECH. - SEE ROOF CURBS - SH. 9

COLUMN AND FOOTING SCHEDULE		1	2,3,4,5	6	7	10	8	9
COLUMNS	LEVEL	1	2,3,4,5	6	7	10	8	9
	ROOF							
	THIRD FLOOR							
	SECOND FLOOR							
	FIRST FLOOR							
PIERS	STEEL							
	85MT FLOOR							
	BASE PLATE SIZE	7 1/2" x 7"	7 1/2" x 7"	7 1/2" x 7"	9" x 4" x 8"	8" 1/4" x 11"	9" x 3/8" x 8"	9" x 3/8" x 8"
	ELEV. TOP OF CONC. BRS	1036'-0"	1036'-0"	1034'-3"	1021'-6"	1024'-11 3/4"	1021'-6"	1021'-6"
	ANCHOR BOLTS	2-3/8" x 10"	2-3/8" x 10"	2-3/8" x 10"	2-3/8" x 10"	2-3/8" x 10"	2-3/8" x 10"	2-3/8" x 10"
FOOTINGS	CONCRETE PIER SIZE	8'-12"	8'-12"	8'-12"	8'-12"	12'-12"	8'-12"	8'-12"
	VERTICAL BARS & DWIS	4-#5	4-#5	4-#5	4-#5	4-#5	4-#5	4-#5
	TIES FOR PIERS	#2 @ 8"	#2 @ 8"	#2 @ 8"	#2 @ 8"	#2 @ 8"	#2 @ 8"	#2 @ 8"
	ELEV. TOP OF FOOTING	1030'-2"	1030'-2"	1021'-11"	1021'-6"	1021'-11"	1021'-6"	1021'-6"
	FOOTING SIZE	3'-0" x 3'-0"	3'-6" x 3'-6"	4'-6" x 4'-6"	4'-6" x 4'-6"	4'-0" x 4'-0"	3'-0" x 2'-0"	5'-0" x 5'-0"
REIN.	DEPTH	110"	110"	110"	110"	110"	110"	110"
	E.W. DIR.	4-#4	6-#4	5-#6	5-#6	6-#4	4-#4	6-#6
	N.S. DIR.	4-#4	6-#4	5-#6	5-#6	6-#4	4-#4	6-#6
ELEV. BOT. OF FOOTING	1029'-2"	1029'-2"	1020'-11"	1020'-6"	1020'-11"	1020'-6"	1020'-6"	

NOTES:
 1. FIRST DIMENSION LISTED FOR FOOTINGS & BASE B'S IS IN THE NORTH-SOUTH DIRECTION.
 2. EACH STEEL COLUMN BEARING ON CONCRETE TO BE ANCHORED W/ ANCHOR BOLTS LISTED, W/ A 3/4" FULL GROUT BED.
 3. EACH STEEL BEAM BEARING ON CONCRETE TO BE ANCHORED W/ A BOLT & 3/4" FULL GROUT BED.
 4. SEE PLAN FOR 4" PC. ST 8 WELDED TO COLS. AT LINTELS L3.



MANHOLE DATA		
M.H. NO.	TOP ELEV.	BOTTOM ELEV.
1	1033.81	1026.81
2	1031.11	1024.10
3	1021.85	1016.87
4	1029.11	1021.74
5	1033.01	1026.01
6	1034.35	1027.32
7	1034.35	1027.32
8	1033.34	1026.12

BENCH MARK DATA		
MARK	ELEVATION	DESCRIPTION
B.M. TOPHYVA N.E. CORNER	1033.82	
B.M. 101.5 - E. END AVE. DR.	1033.82	
B.M. 101.5 - W. END AVE. DR.	1033.82	

PLOT PLAN DATA	
GRABBER	EXISTING 1035.50
	ESTABLISHED 1035.50
TREES	REMOVE
	SAVE

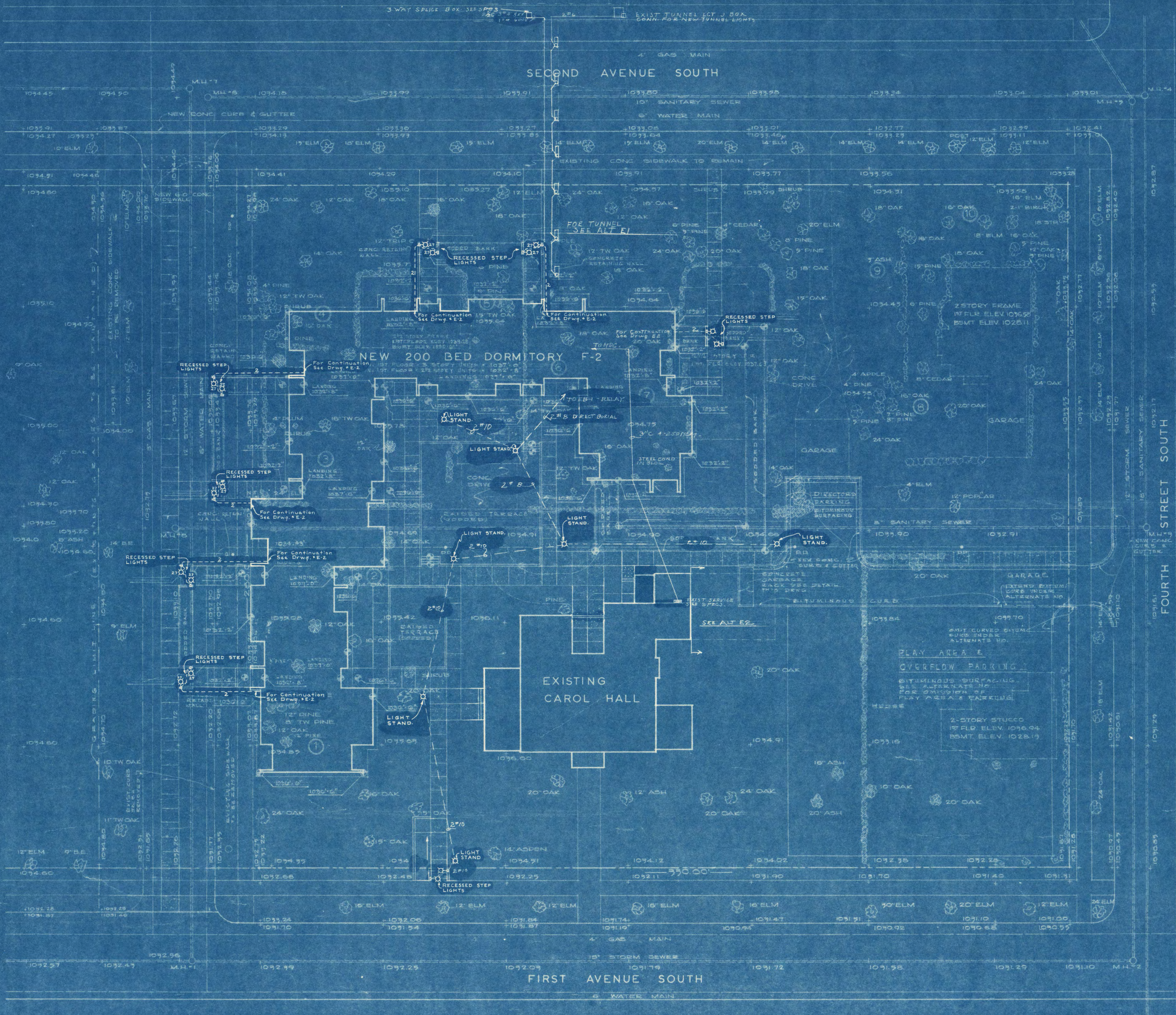
DATE IT POSSIBLE VERIFY WITH ARCHITECT WHEN BUILDING IS LOCATED AT EACH SITE.

PROPERTY

TEST BORING

DETAIL NUMBERS	
3	DETAIL NUMBER SHEET NUMBER
3	SAME AS ABOVE
3	DIRECTION OF SECTION DETAIL
3	SAME AS ABOVE
3	DIRECTION OF ELEVATION DETAIL
132	INDICATES ROOM NUMBER
132	INDICATES DOOR OPENING
A	INDICATES DOUBLE DOOR LETTERS

MATERIAL SYMBOLS			
	EARTH		CEMENT PLASTER
	GRAVEL		WOOD
	CONCRETE		W.C. BLOCK
	BRICK		STEEL IN SECTION
	FACE BRICK		SHEET METAL IN SECTION
	STREET TILE		COMMON BRICK
	FACING TILE		

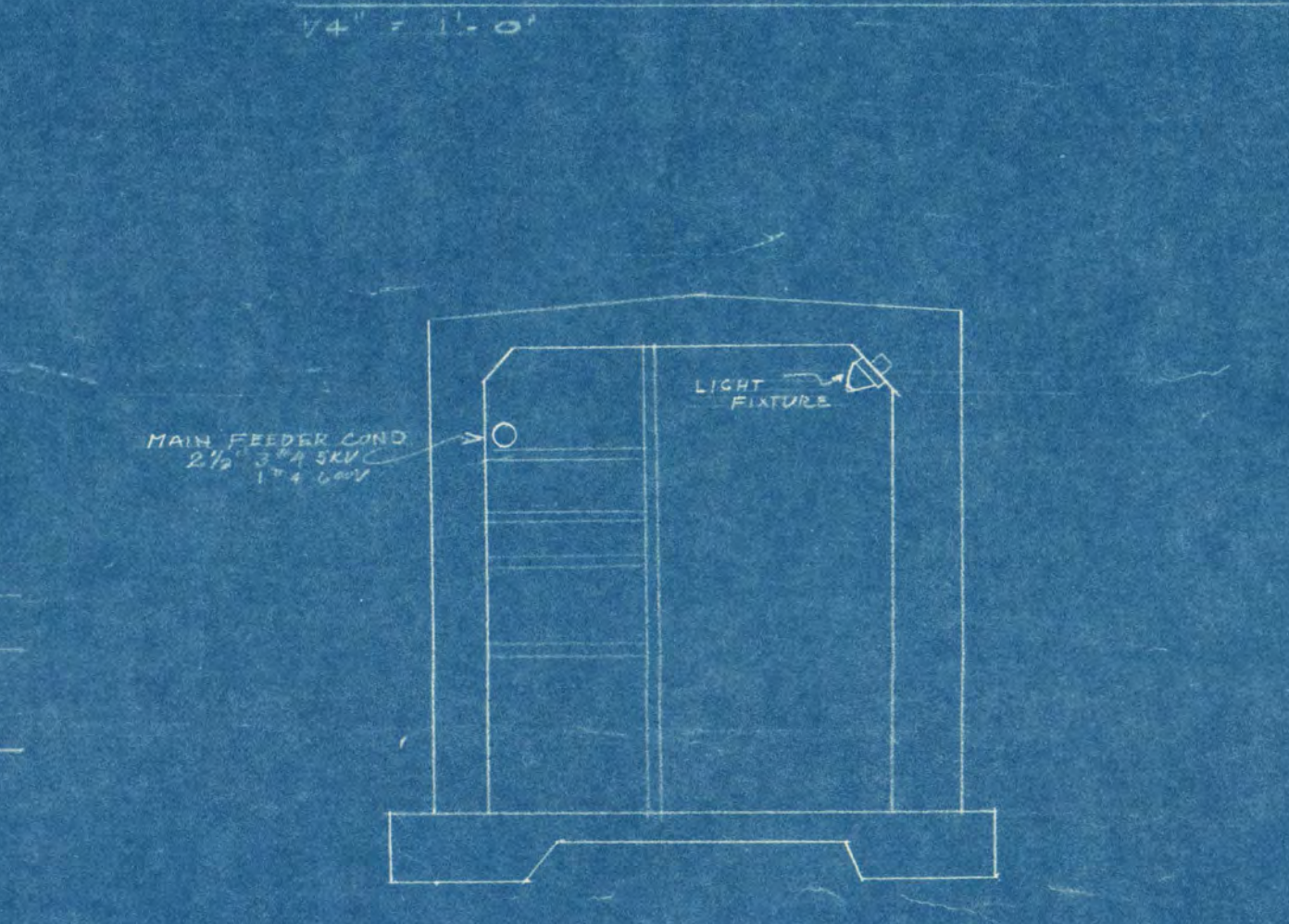
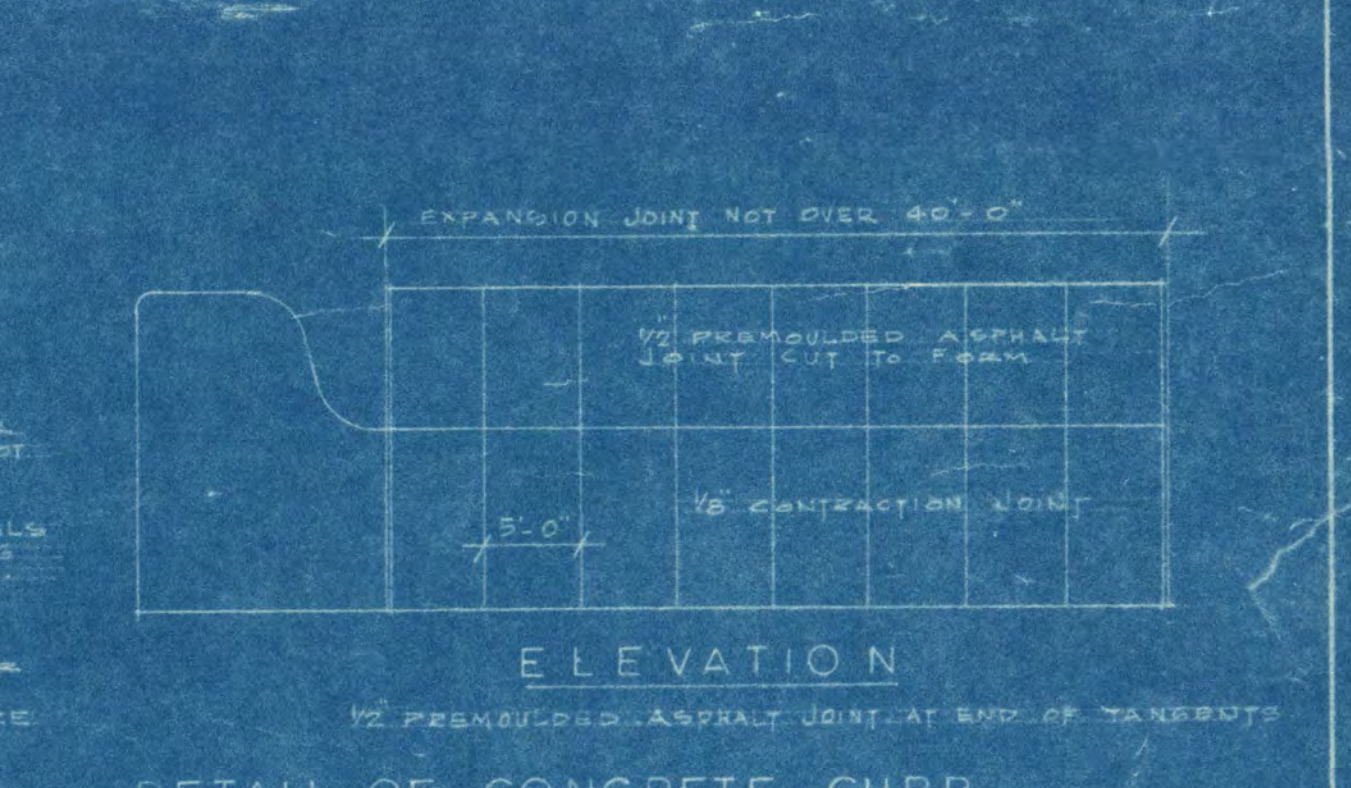
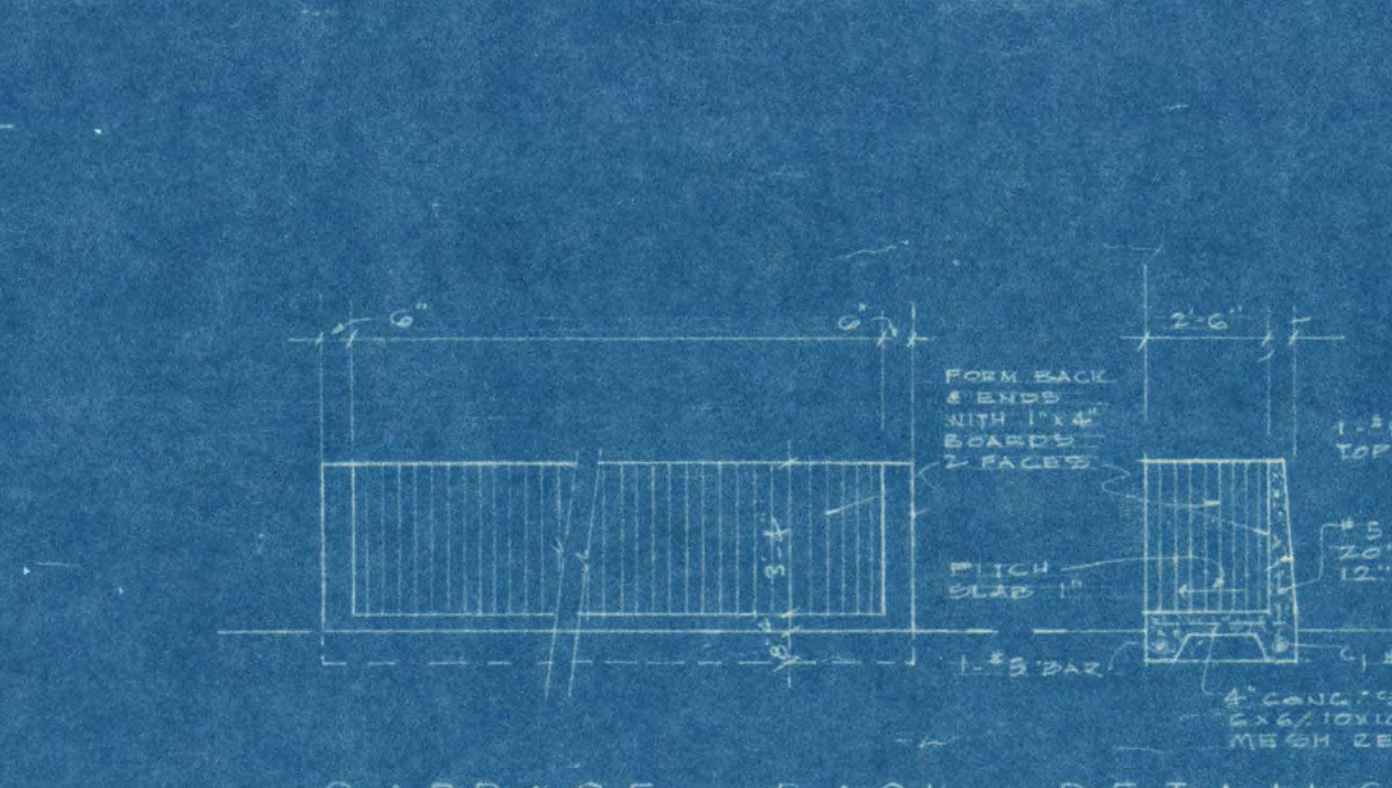
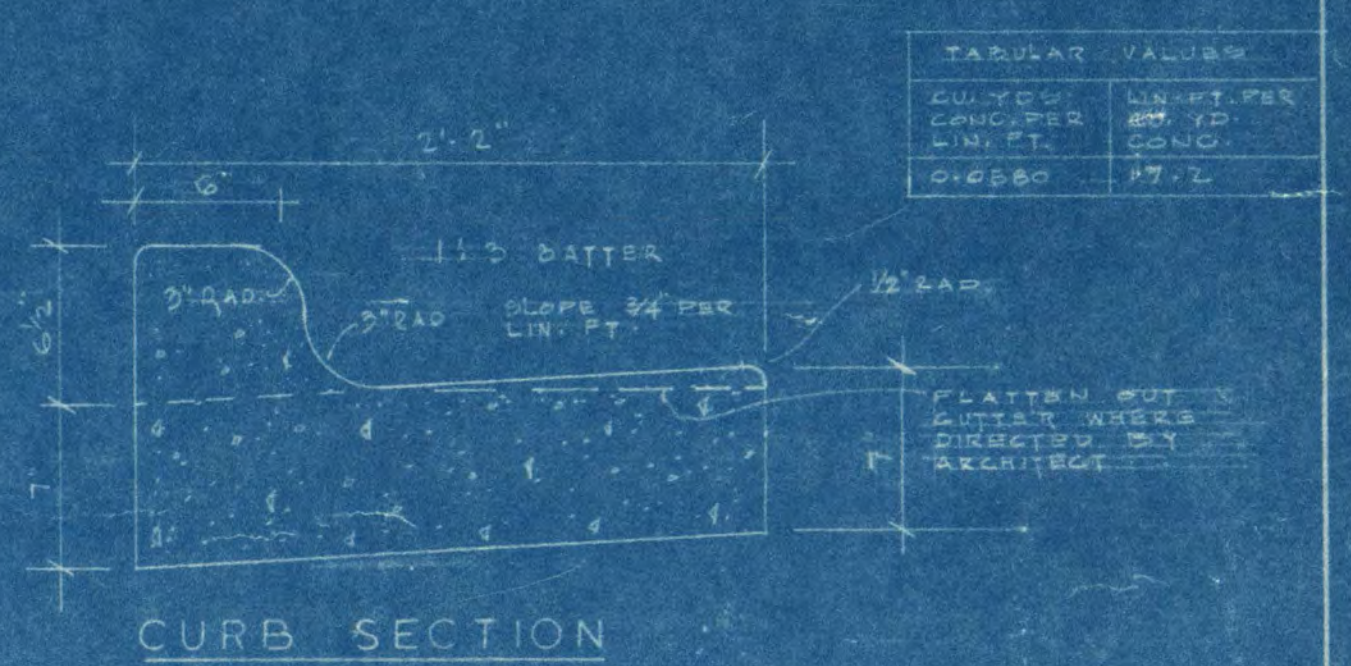
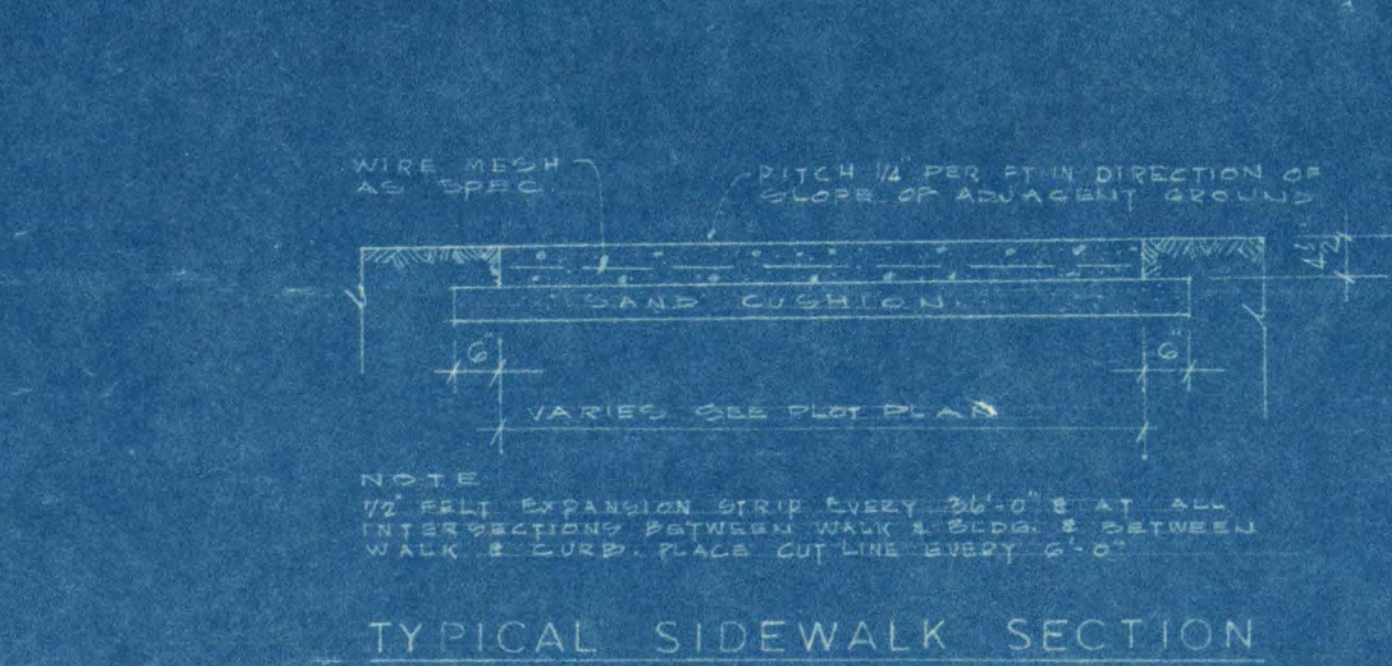
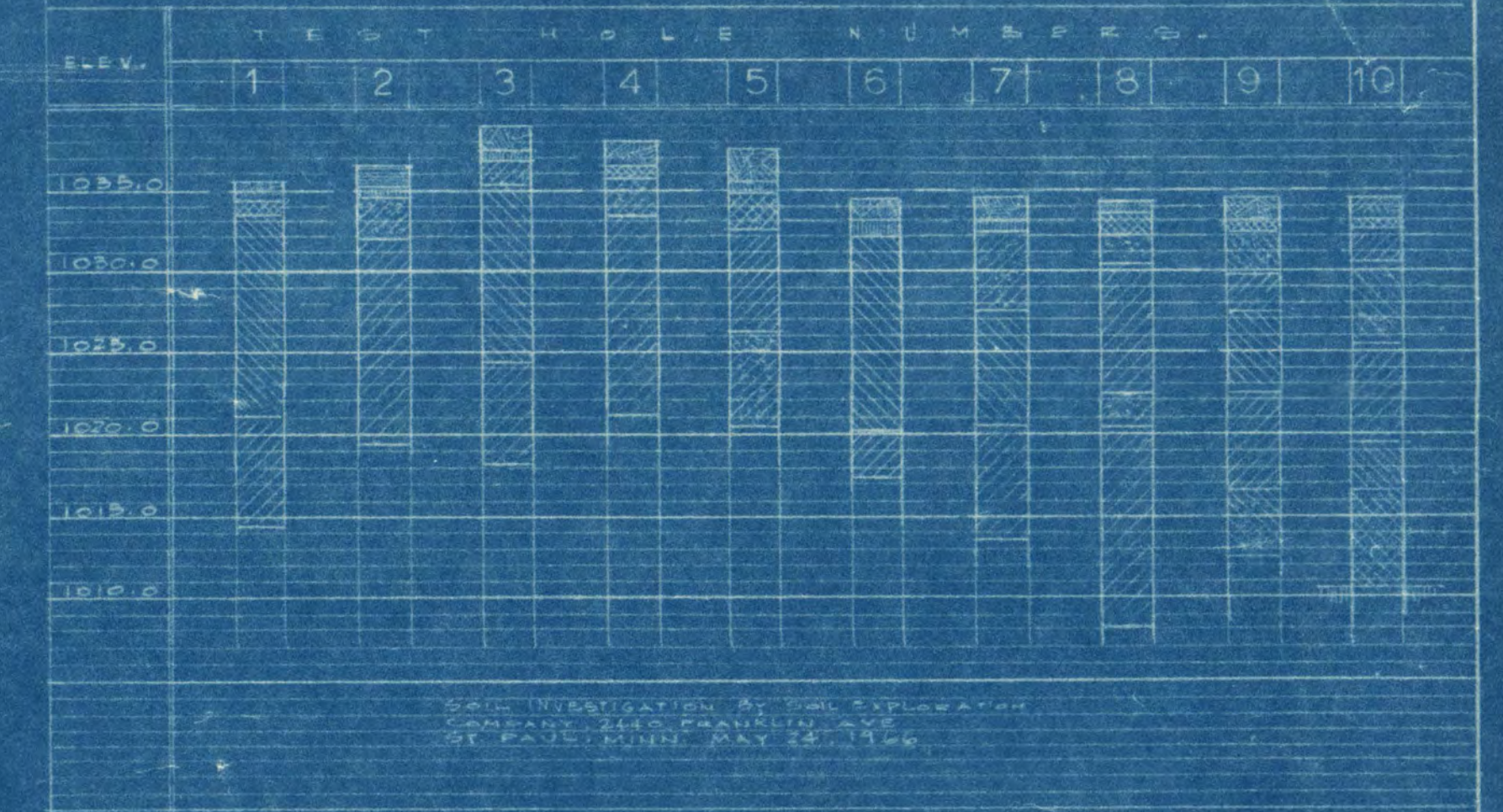


PLOT PLAN
1" = 20'

BORING LEGEND

	FINE SAND (MOIST)		DARK BROWN SAND (MOIST)
	BROWN SILTY SAND (MOIST)		BROWN MEDIUM SAND WITH GRAVEL
	BROWN SILTY CLAY (MOIST)		LIGHT BROWN SAND WITH GRAVEL
	LIGHT BROWN SILTY CLAY (MOIST)		BROWN FINE SAND
	DARK BROWN SILTY CLAY (MOIST)		WATER LEVEL

TEST BORING CHART

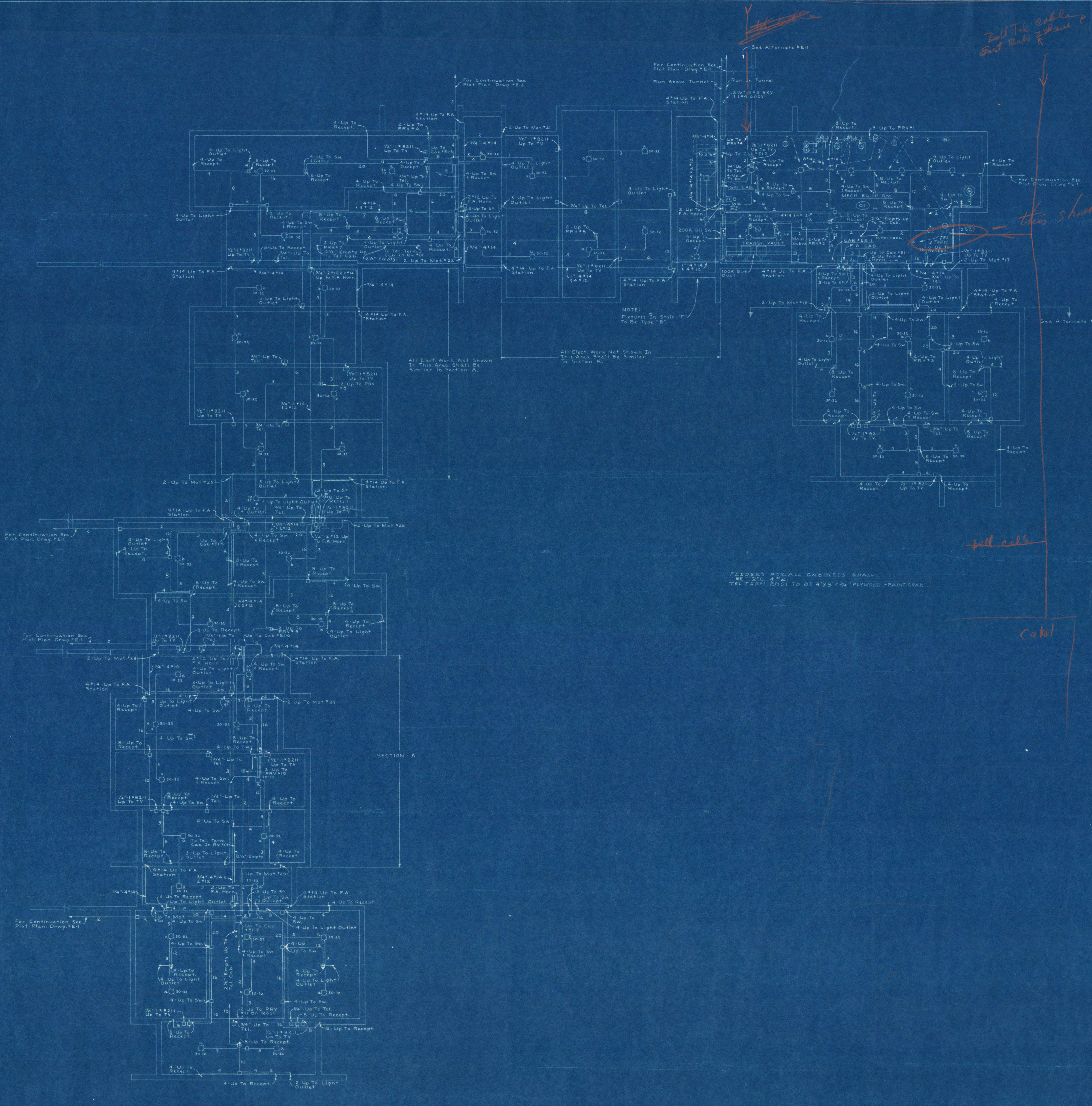


I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.

D. J. Williams

Date 8-1-66 Reg. No. 5723





*Full Tilt Cable
500 Bkls
See Alternate #1*

these shall come thru tunnel

full cable

Cable

FEEDERS (LOCAL CABINET) SHALL BE 2" X 4" X 1/2" PLYWOOD PAINT GRAY. TELT TERM RND TO BE 4" X 8" X 1/2" PLYWOOD PAINT GRAY.



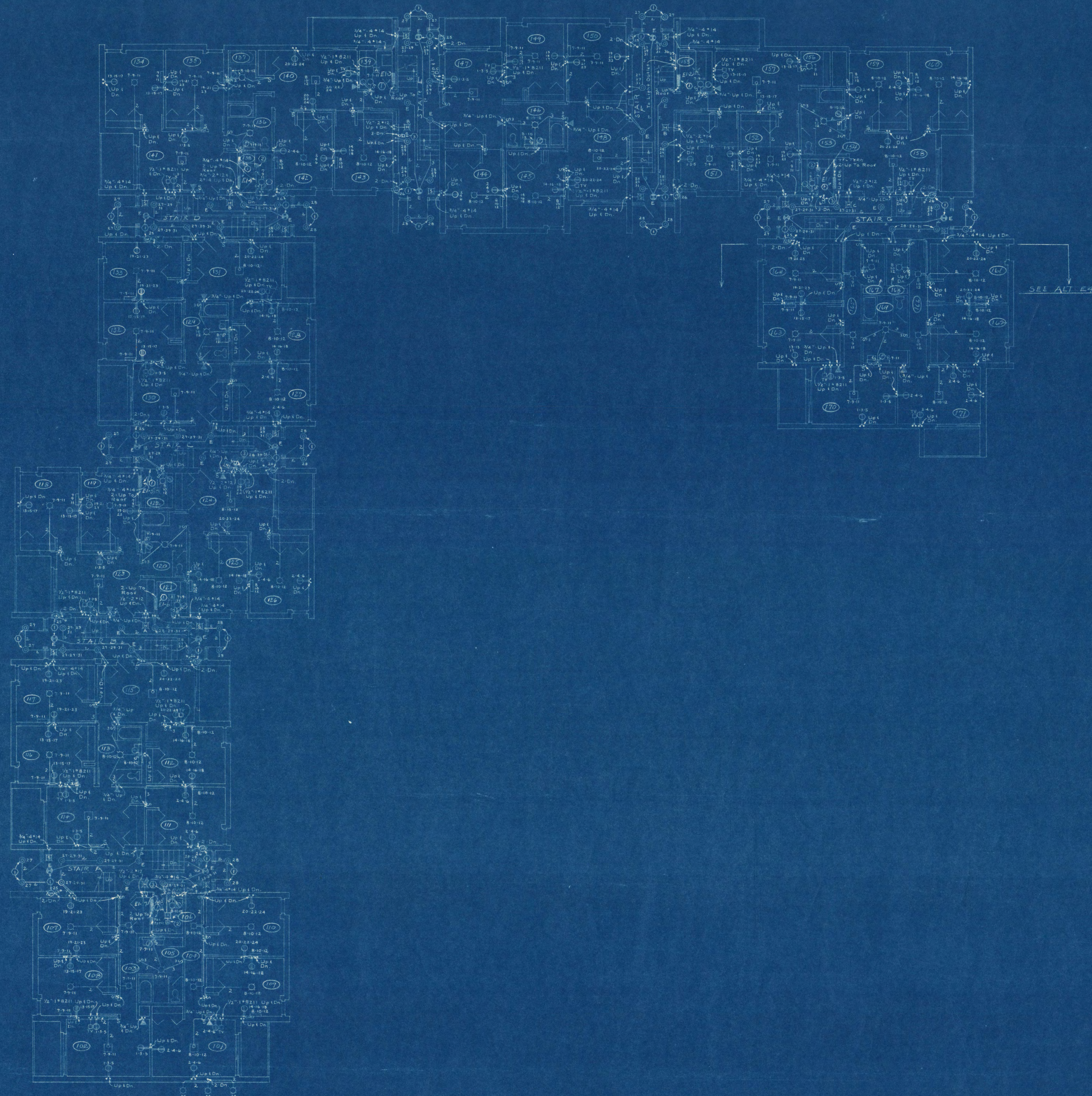
200 BED DORMITORY SERIES F-2
ST. CLOUD STATE COLLEGE ST. CLOUD MINNESOTA

COMM NO 366-5
DESIGNED BY JHB
DATE 8-1-66

ORR-SCHLEN-MAYERON AND ASSOCIATES, INC. CONSULTING ENGINEERS
104 CLURE AVENUE, MINNEAPOLIS, MINN. 55403

JACKSON - HAHN ASSOCIATES, INC. ARCHITECTS
102 THIRD AVENUE SOUTH ST. CLOUD, MINNESOTA

PROJECT NO 100
SHEET NO E2
OF 4 SHEETS



NUMBERED NOTES:
 1 On First Floor Only
 2 On Third Floor Only
 3 Switch & Pilot For Crawl Space Lights Up 3'-4" From Lower Floor Slab. El. 1032.8'

NOTES:
 Lighting On Ceiling Of Third Floor In Stair Towers Shall Be As Directed Later.
 Room Numbers Shown Are For First Floor. First Digit Of Room Will Change To Correspond With Floor Level.

SEE ALT E4



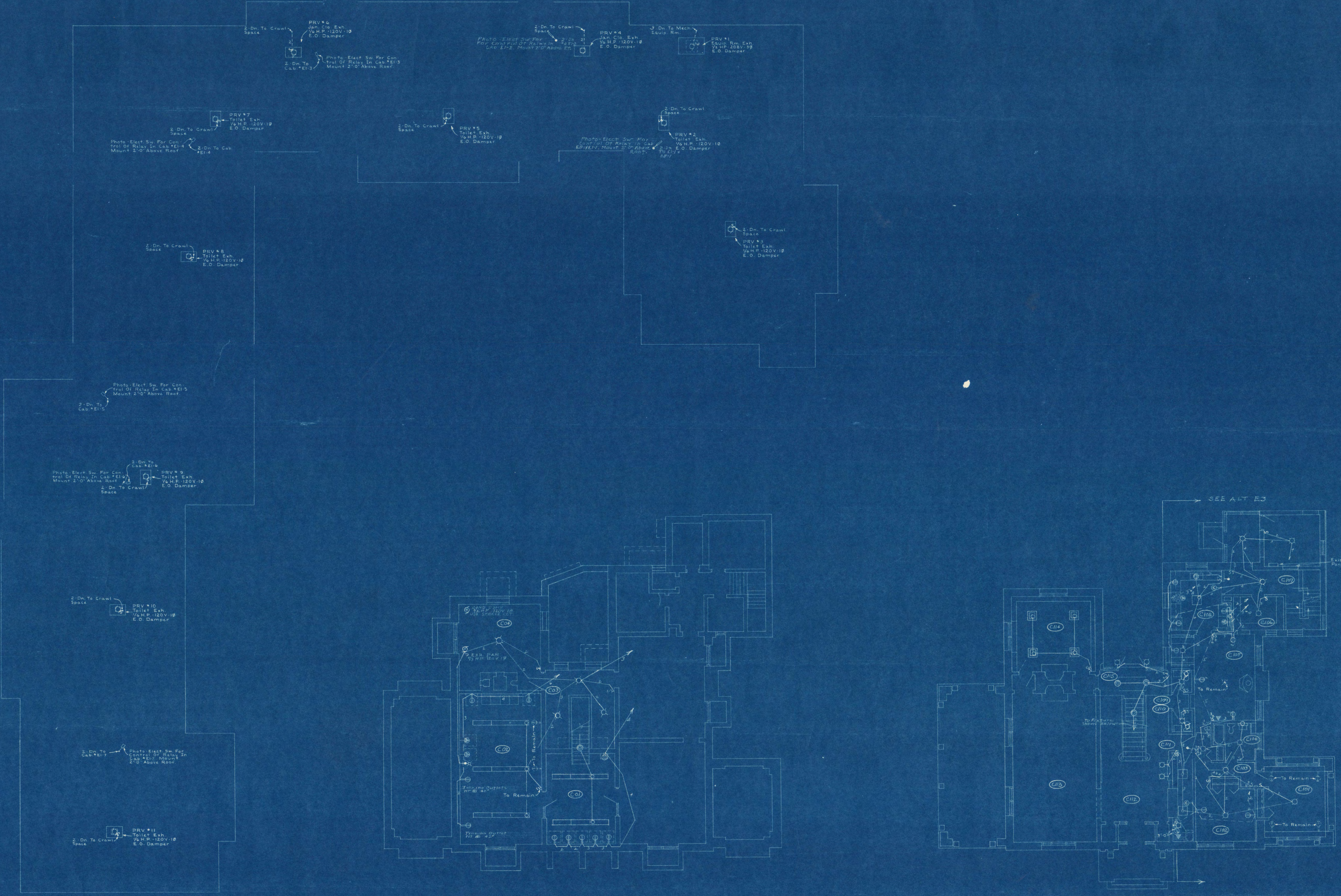
200 BED DORMITORY SERIES F-2
 ST. CLOUD STATE COLLEGE ST. CLOUD, MINNESOTA.

DATE 3-1-66

ORR SCHELEN-MAYERON AND ASSOCIATES, INC. CONSULTING ENGINEERS 104 CURBE AVENUE, MINNEAPOLIS, MINN. 55403

JACKSON - HAHN ASSOCIATES, INC. ARCHITECTS 102 THIRD AVENUE SOUTH ST. CLOUD, MINNESOTA

PROJECT NO. 100-100-100 SHEET NO. 3 OF 4 SHEETS



ROOF PLAN
SCALE 1/8" = 1'-0"

BASEMENT CAROL HALL
SCALE 1/8" = 1'-0"

FIRST FLOOR

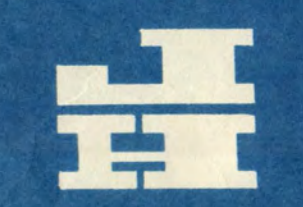


200 BED DORMITORY
ST. CLOUD STATE COLLEGE

SERIES F-2
ST. CLOUD, MINNESOTA.

DESIGN NO.
546-5
DRAWN BY
J.V.B. & D.F.M.
DATE
3-1-66

ORR-SCHELEN-MAYERON
AND ASSOCIATES, INC.
CONSULTING ENGINEERS
104 CURBE AVENUE, MINNEAPOLIS, MINN. 55403



JACKSON - HAHN ASSOCIATES, INC.
ARCHITECTS
102 THIRD AVENUE SOUTH ST. CLOUD, MINNESOTA

PROJECT NO.
F2A
156
OF 4 SHEETS