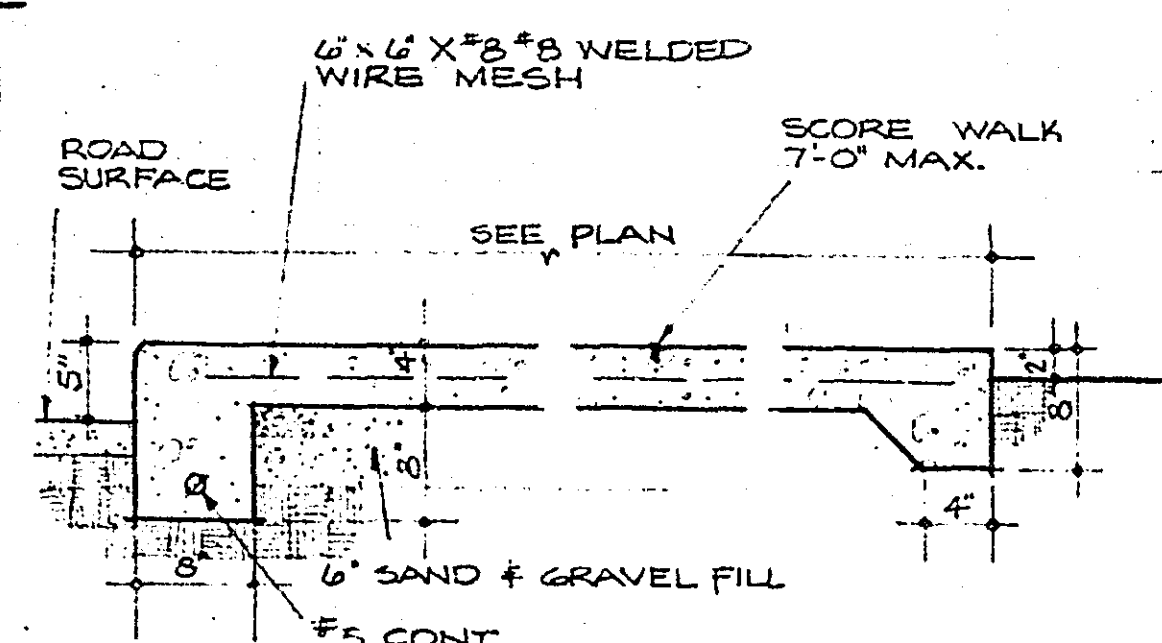
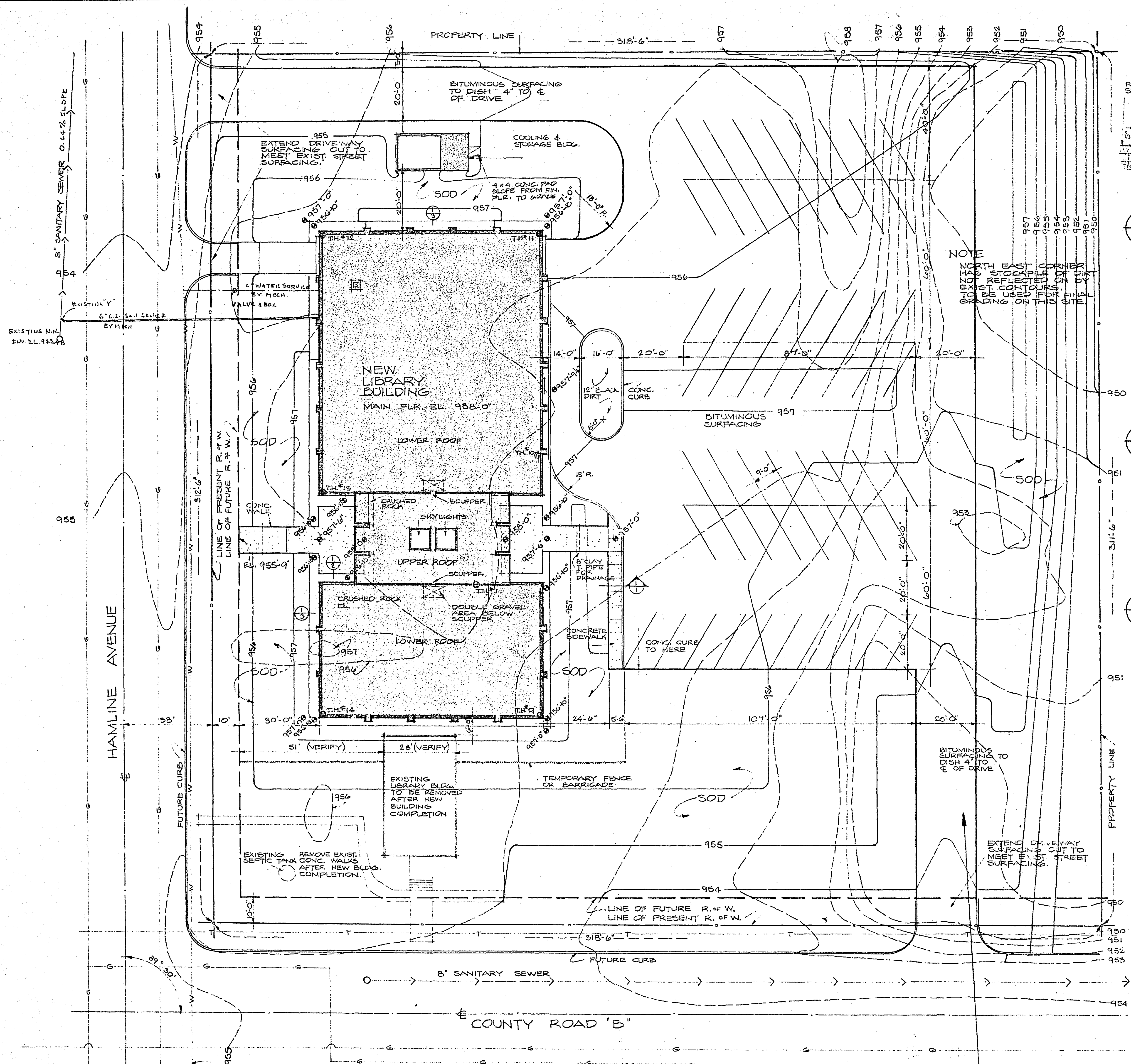
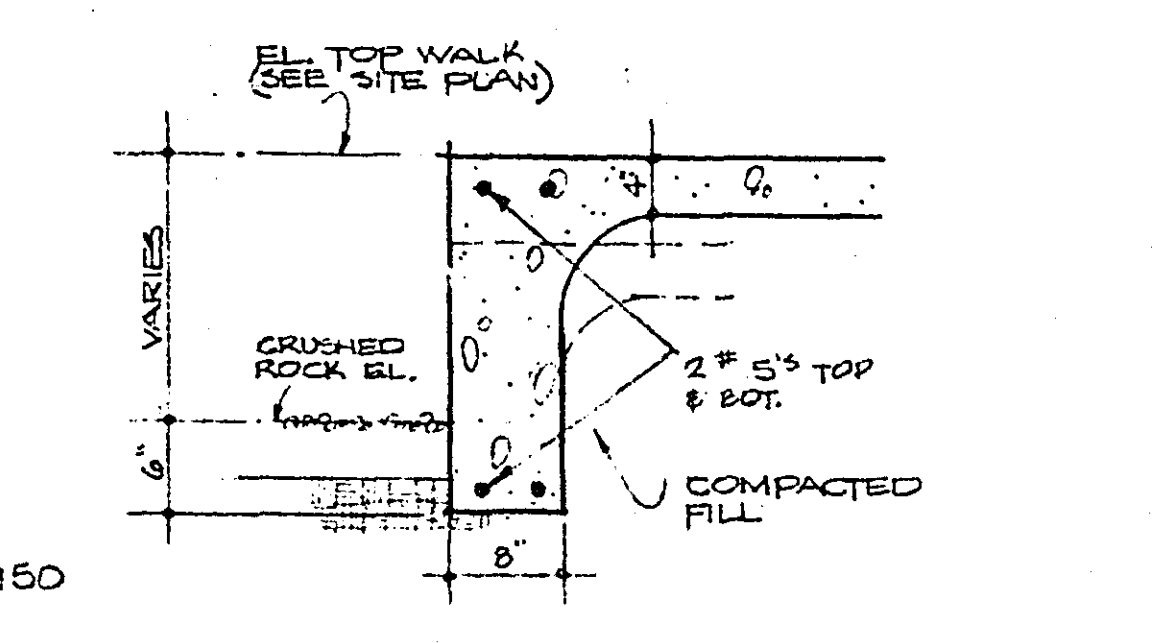
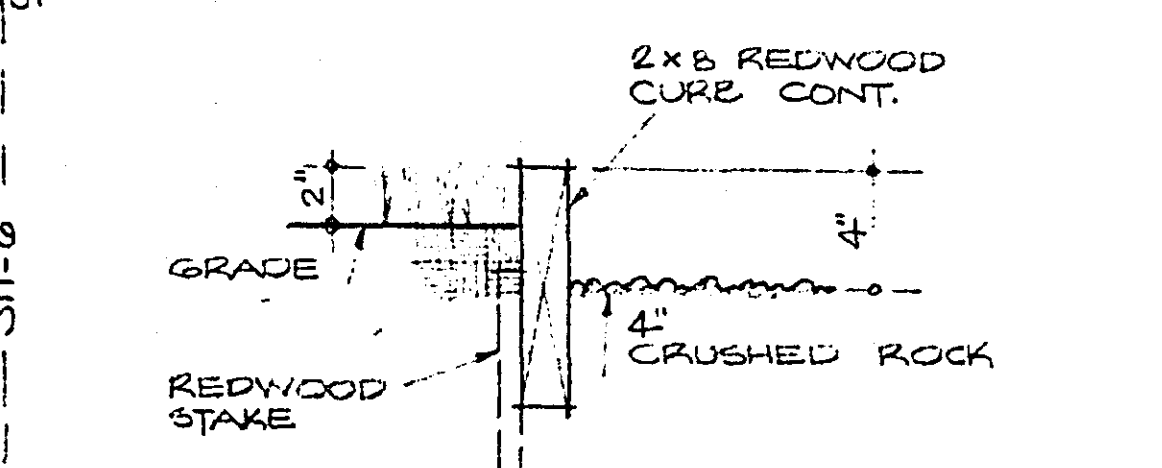




1 CURB & SIDEWALK DET.
24\"/>



1 CURB DETAIL @ ENT. PLATFORM
2 54\"/>



1 CURB @ CRUSHED ROCK
3 @ BLDG. PERIMETER 12\"/>

Call:
Harry Schneider
645-0761 when
drawings are checked

INDEX TO DRAWINGS

1	PLOT PLAN
2	ELEVATIONS AND SECTIONS
3	FLOOR PLAN
4	WALL SECTIONS
5	WALL SECTIONS
6	INTERIOR ELEVATIONS
7	DOOR AND EXTERIOR DETAILS
8	MISCELLANEOUS DETAILS
3-1	FOUNDATION PLAN & DETAILS
3-2	ROOF FRAMING PLAN & DETAILS
M-1	PLUMBING & HEATING FLOOR PLAN
M-2	TUNNEL PLAN & PIPING DETAILS
E-1	ELECTRICAL FLOOR PLAN
E-2	ELECTRICAL PLOT PLAN

MATERIAL LEGEND

	EARTH		PLASTER
	GRAVEL		INSULATION - BATT
	CONCRETE		INSULATION - RIGID
	L.W.C.B. CONC. BLOCK		WOOD - ROUGH
	BRICK		WOOD - FINISH
	METAL		GLASS

SYMBOLS

	CENTER LINE		SHEET NUMBER DETAIL NUMBER		SHEET NUMBER ELEVATION NUMBER
	SHEET NUMBER SECTION NUMBER		ROOM NUMBER		

SITE SYMBOLS

	NEW CONTOUR		EXISTING CONTOUR
	PROPERTY LINE		RIGHT OF WAY
	NEW SPOT ELEVATION		EXISTING SPOT ELEVATION
	TEST HOLES (SOIL BORING)		FENCE OR BARRICADE

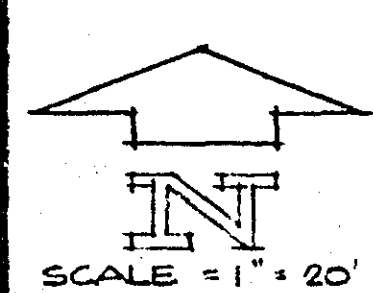
MODULAR EXPLANATION

		NOM. DIM. ON PLANE 1/2 JT.	CEILING LINE FLOOR TO CLG. HGT. FLOOR TO CLG. HGT.	ARROWS INDICATE DIMENSIONS TO NOMINAL FACES OF MODULAR MATERIALS TO E & GRID LINES
NOM. DIM. ACT. DIM.	NOMINAL DIMENSION ACTUAL DIMENSION	GRID OR CCL. ELEV.		DOTS INDICATE DIMENSIONS TO ACTUAL FACES OF MODULAR OR NON-MODULAR MATERIALS
		FLOOR GRID	FLOOR GRID ELEVATIONS ARE GIVEN 12 MORTAR JOINT ABOVE ACTUAL FINISH SLAB	3 COURSES BRICK = 8" 2 COURSES BLOCK = 16"

NOTE:
BENCH MARK SPIKE IN POWER POLE
S.W. CORNER HAMLINE CO. RD. "B" EL. 955.53'
DATA COPIED FROM RAMSEY COUNTY CITY
ENGINEER. SURVEY DATED MARCH 1965

NOTE
FILL HAS BEEN DUMPED IN THIS
AREA SINCE SURVEY WAS MADE
CONTR. SHALL VERIFY REVICED
CONTOURS
NO WORK UNDER THE CONTRACT
OUTSIDE PROPERTY LINES OR
FUTURE R.O.W. LINES EXCEPT
AS NOTED.

RAMSEY COUNTY LIBRARY HEADQUARTERS BUILDING



NOTES
CONSTRUCTION LIMITS SHALL BE
THE EAST & NORTH PROPERTY
LINES AND THE SOUTH & WEST FUTURE
RIGHT-OF-WAY LINES.

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
Architect under the laws of the State of Minn.
esota.
Leslie H. Bentons
Date: Oct. 15, 1968 Reg. No. 2637

BUETOW
& ASSOCIATES
ARCHITECTS
& ENGINEERS
1276 UNIVERSITY AVE.
SAINT PAUL 4, MINNESOTA
645-3441

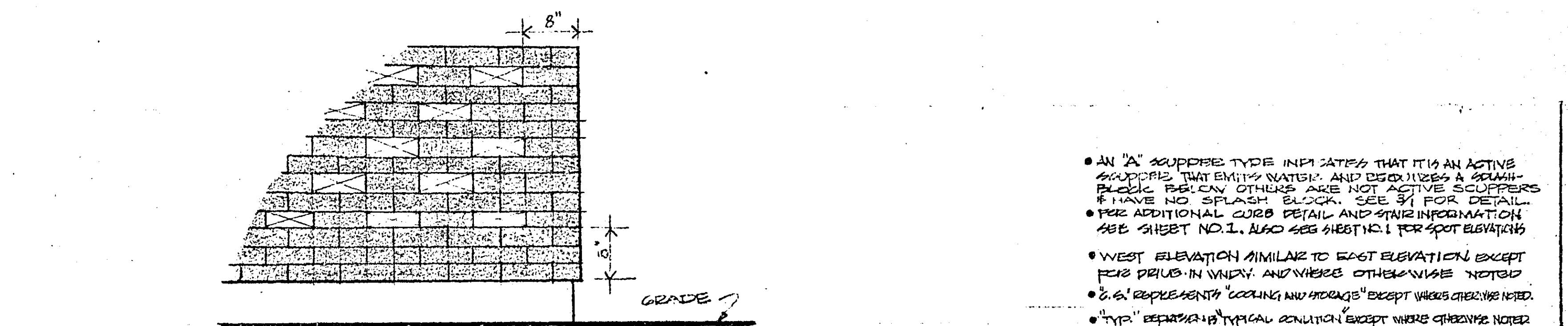
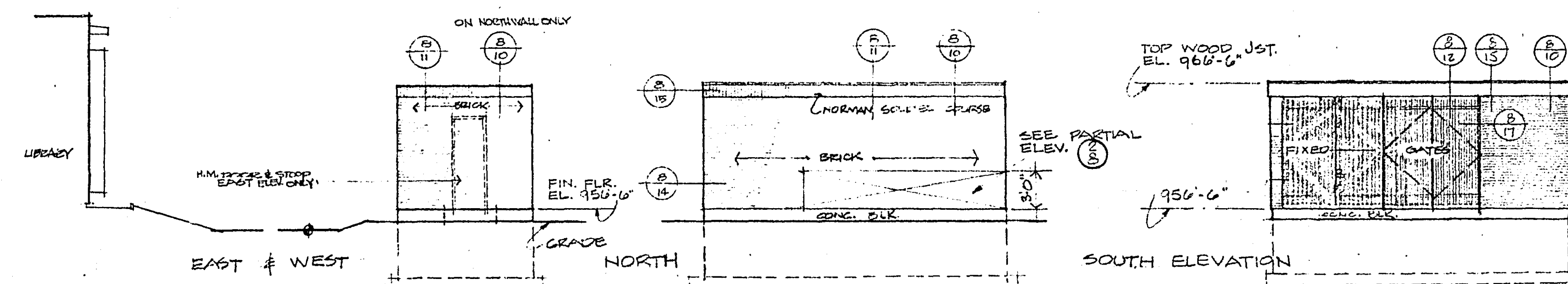
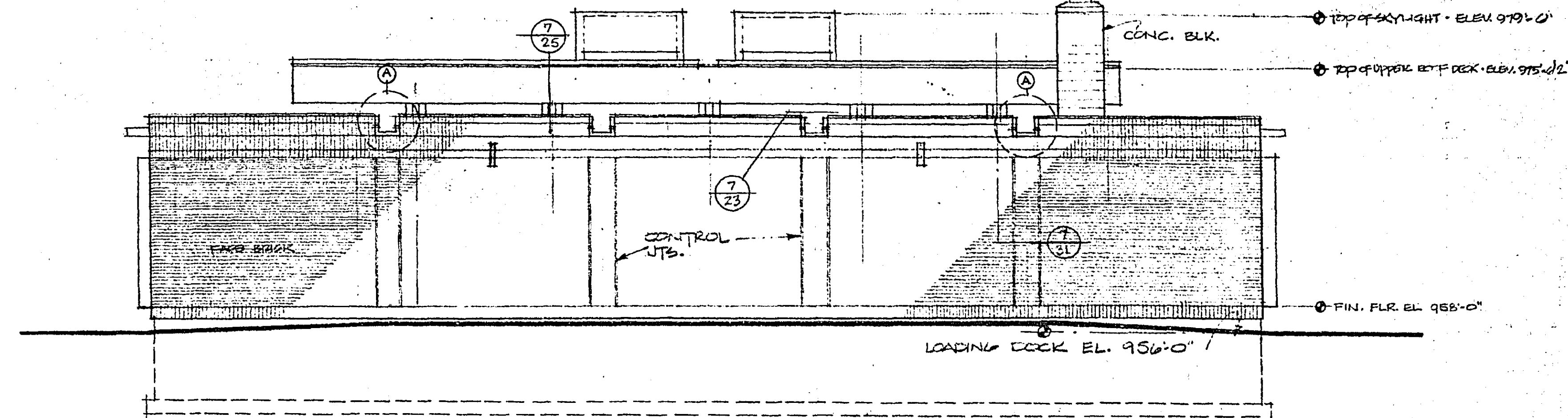
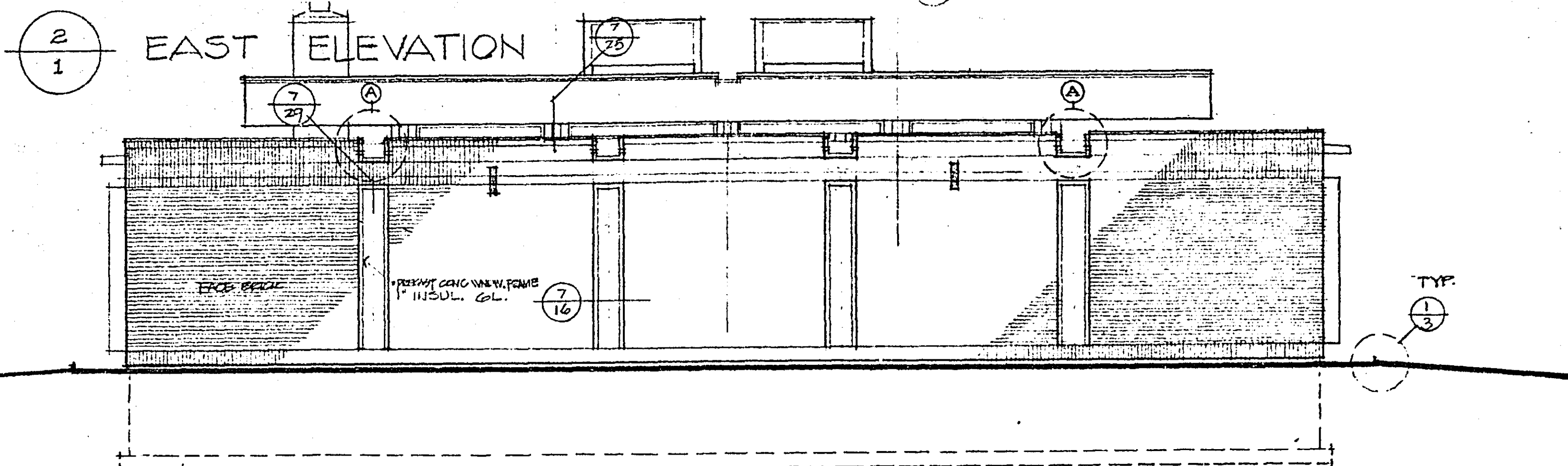
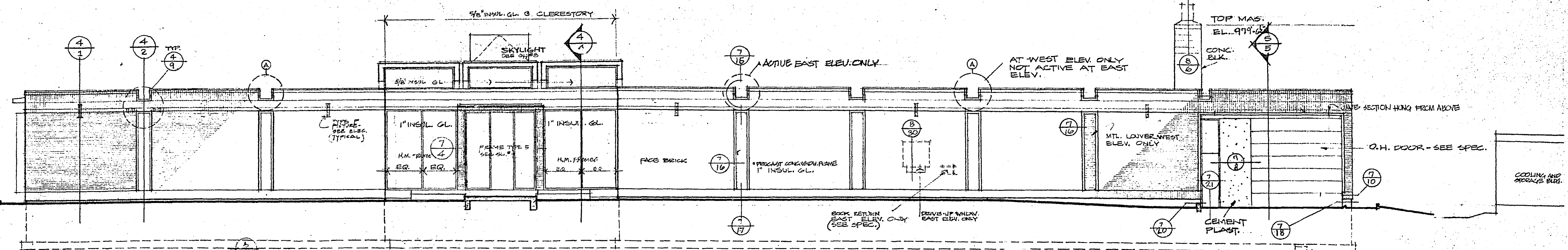
DATE
10-15-68
REVISIONS

SITE PLAN
RAMSEY COUNTY LIBRARY
HEADQUARTER'S BUILDING
ROSEVILLE MINNESOTA

SCALE 1" = 20'-0"
PROJ. NO.
6212
SHEET NO.
1
OF 8

MICROFILMED
RAMSEY CO. ENG.

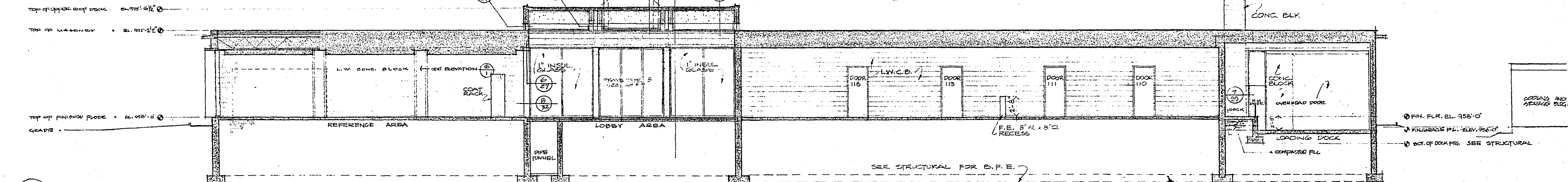
WEST ELEVATION
IDENTICAL EXCEPT
REVERSED # AS OTHERWISE
NOTED.



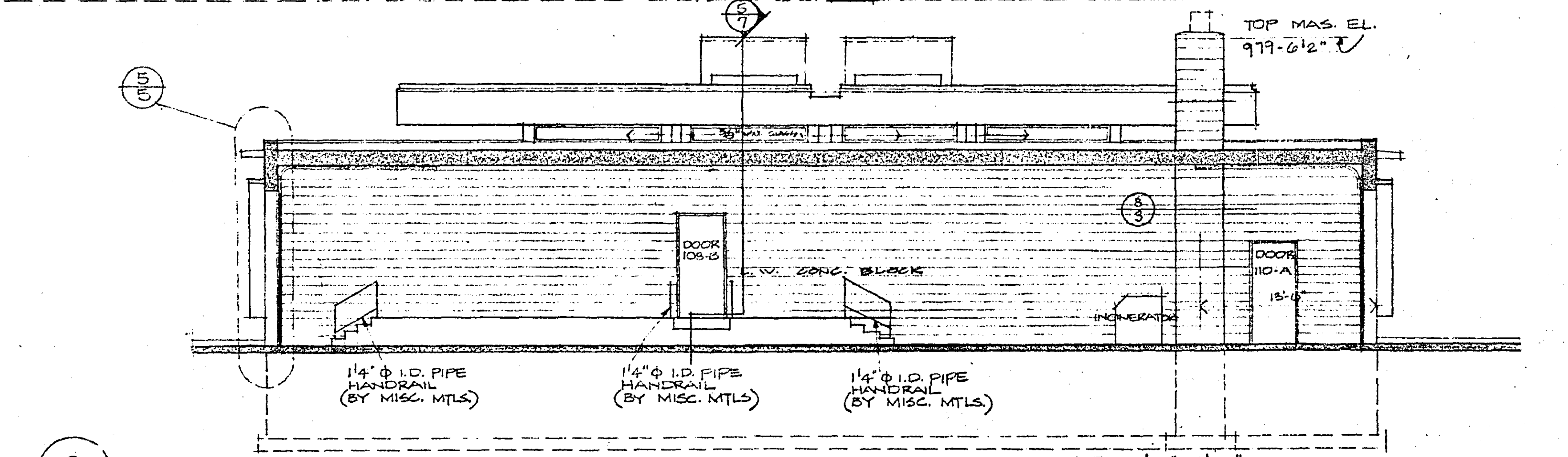
2/4 COOLING & STORAGE BLDG. ELEVATIONS

2/8 PARTIAL ELEVATION

GENERAL NOTES



2/5 LONGITUDINAL SECTION

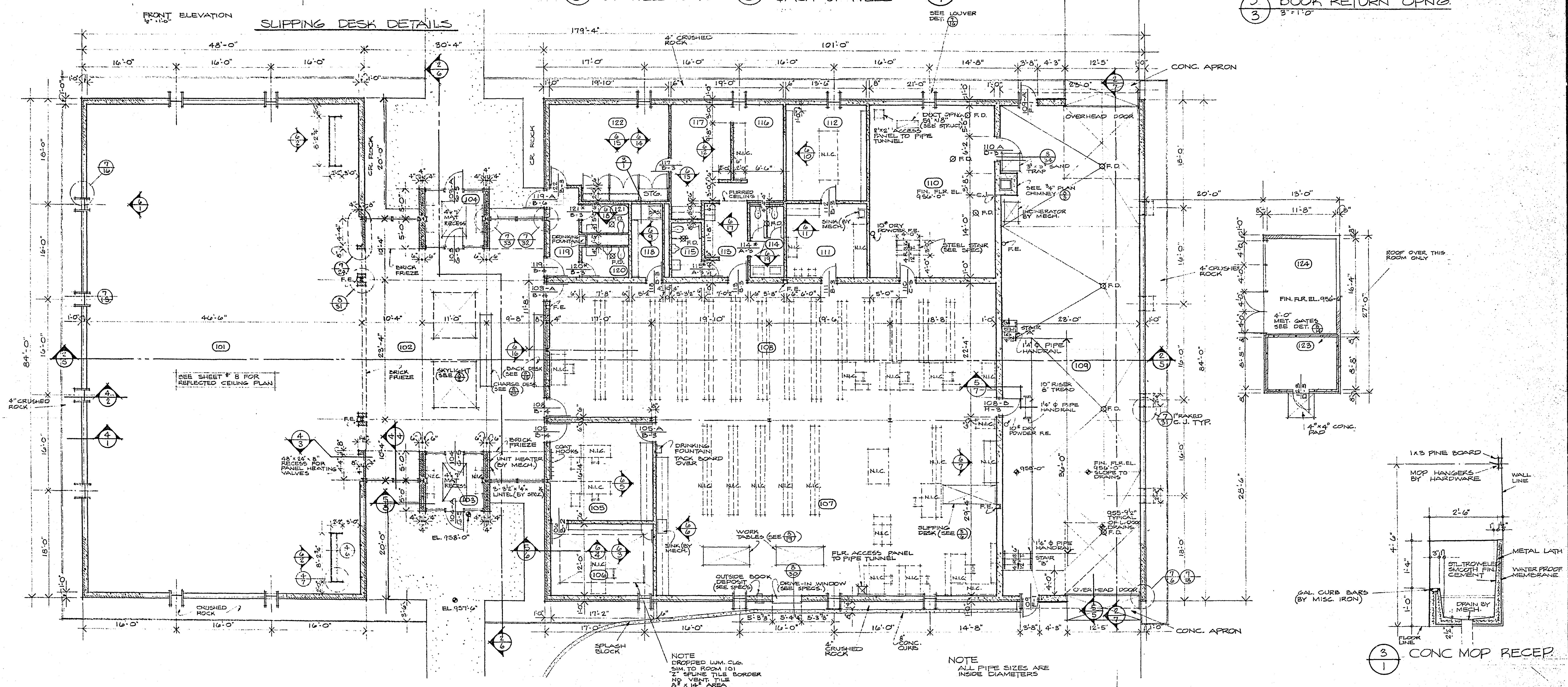
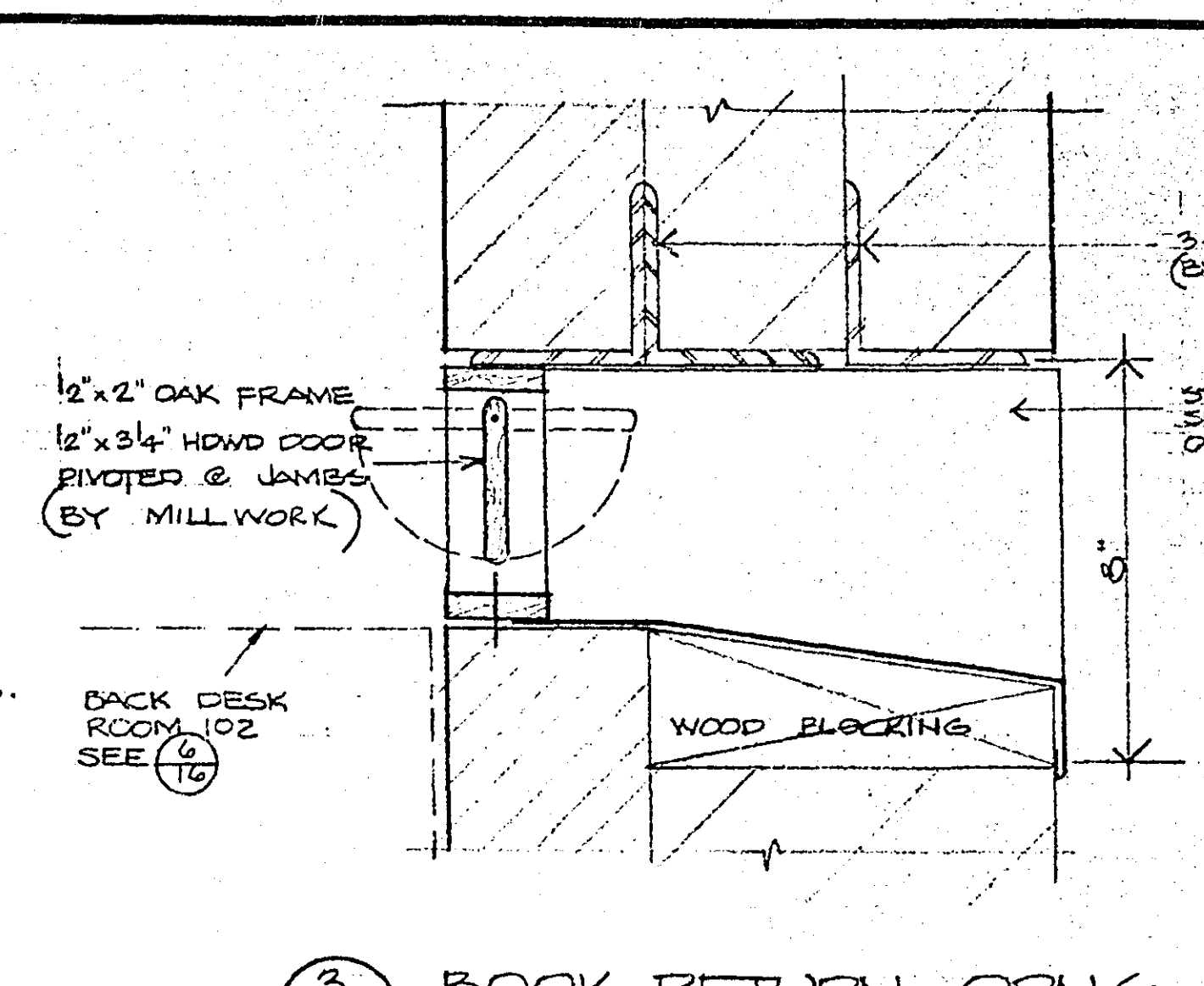
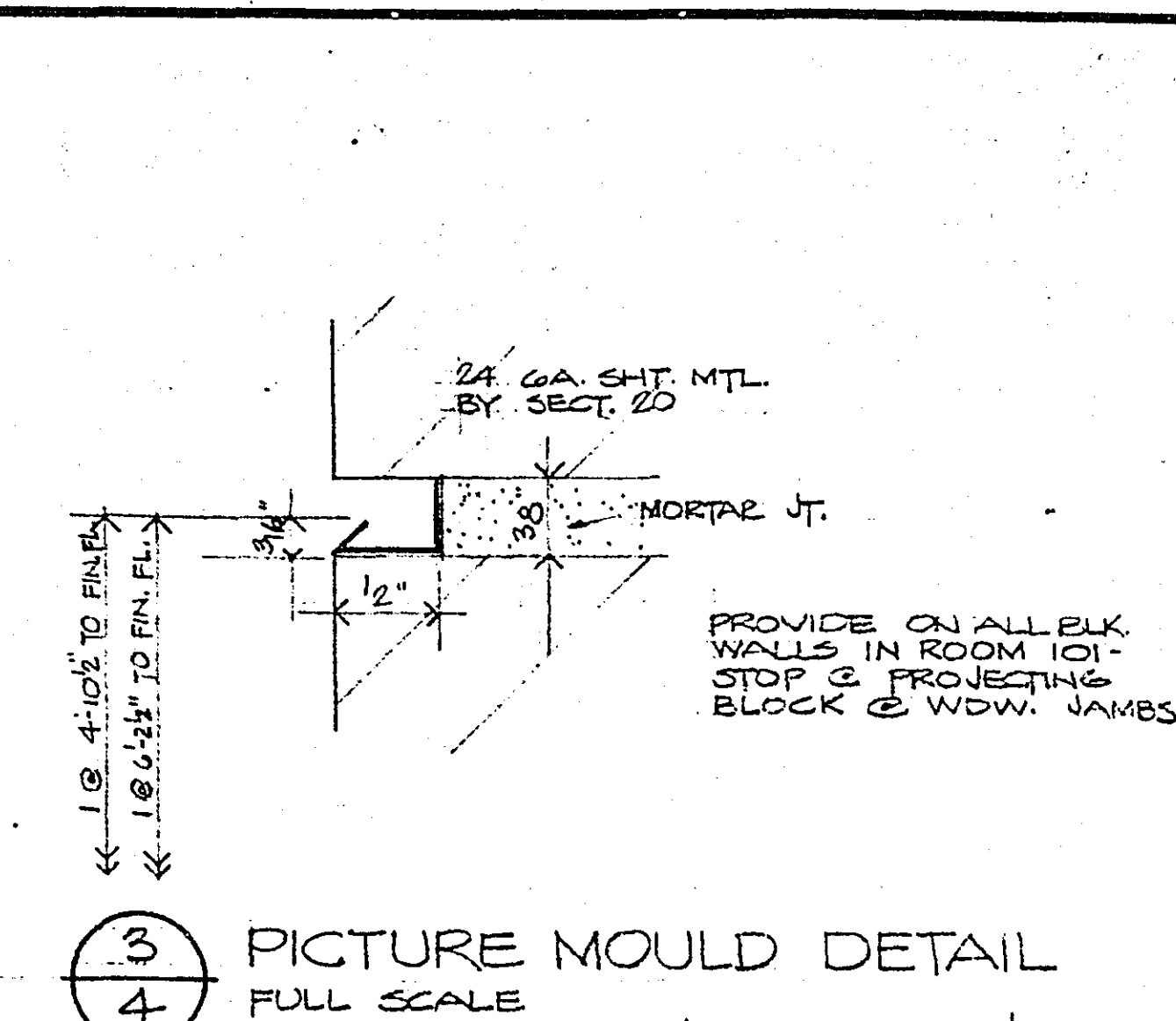
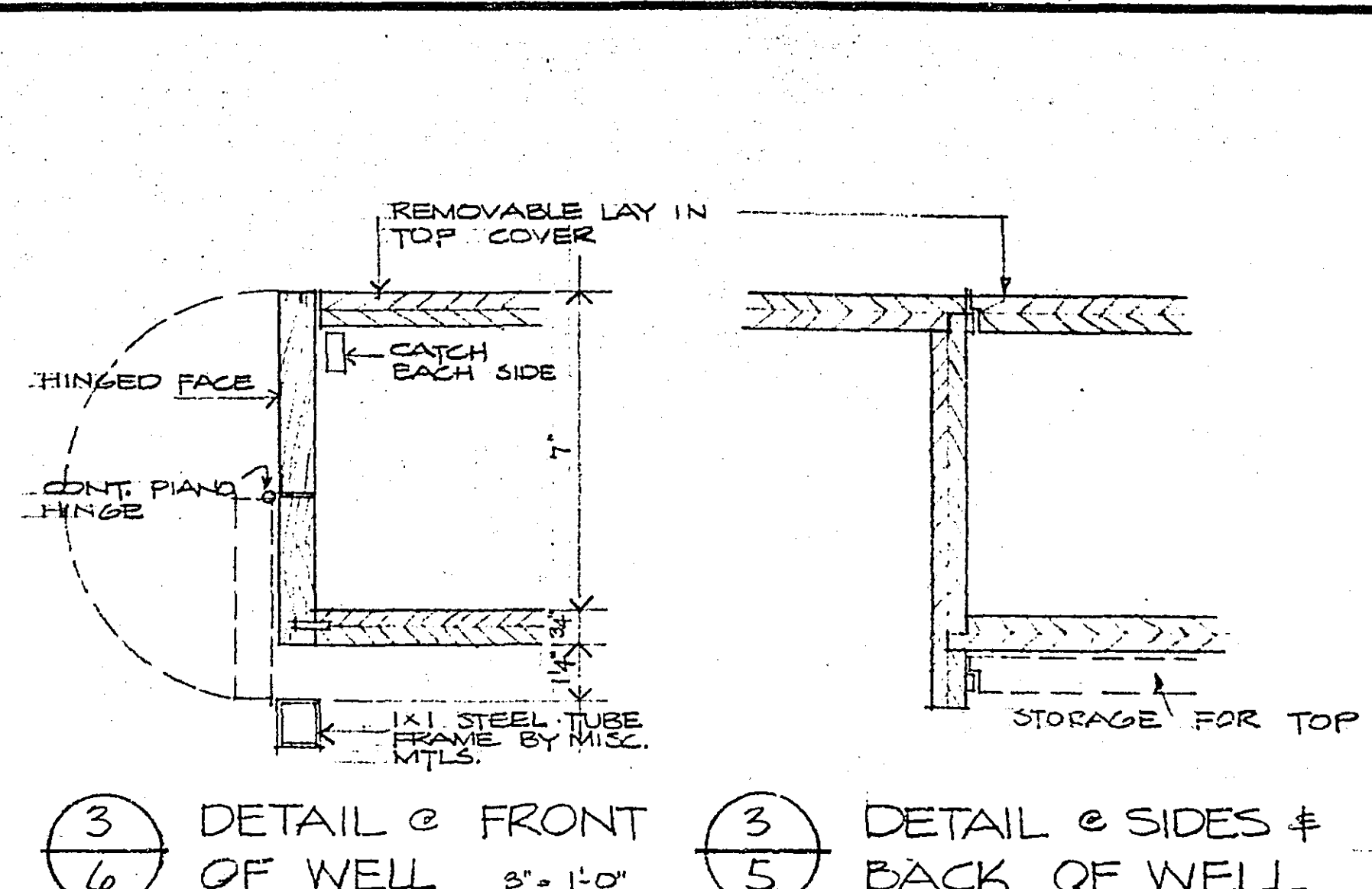
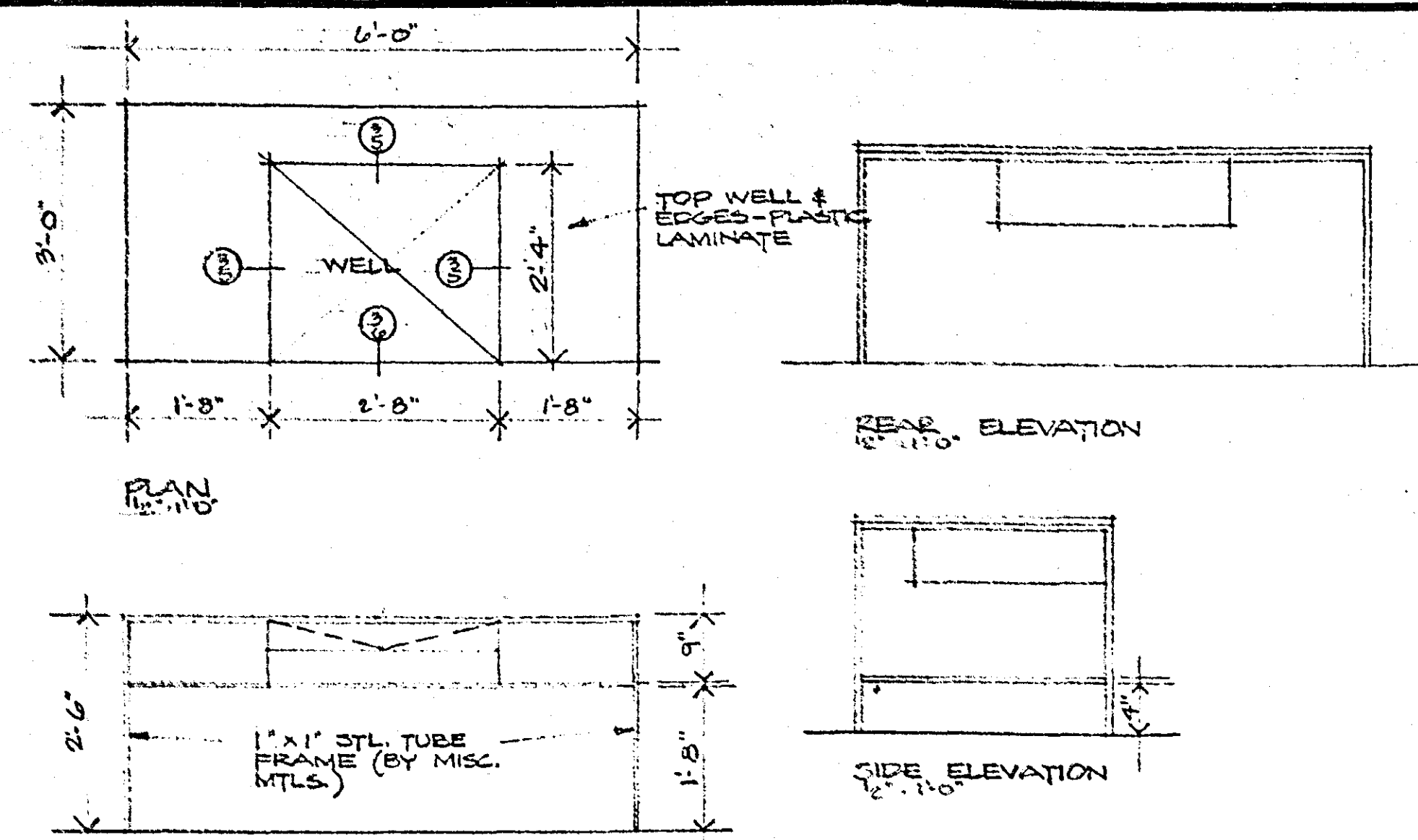


2/6 CROSS SECTION THRU LOBBY

2/7 CROSS SECTION THRU LOADING DOCK

BUETOW & ASSOCIATES ARCHITECTS & ENGINEERS 1276 UNIVERSITY AVE. SAINT PAUL 4, MINNESOTA 645-3441	DATE 10-15-63	ELEVATIONS & SECTIONS RAMSEY COUNTY LIBRARY HEADQUARTERS BUILDING ROSEVILLE MINNESOTA	PROJ. NO. 6212
	REVISIONS		SHEET NO. 2 OF 8

MICROFILMED
RAMSEY CO. ENGR.



ROOM FINISH SCHEDULE																					
NO.	ROOM NAME	FLOOR	FIN	BASE	FIN	WALLS	FIN	CLG	FIN	FURRED	NO.	ROOM NAME	FLOOR	FIN	BASE	FIN	WALLS	FIN	CLG	FIN	FURRED
101	READING ROOM	VINYL T.	-	VINYL	-	LW.C.B.	PT.	AC.TILE	PT.	-	113	VESTIBULE & COAT ROOM	VINYL T.	-	VINYL	-	LW.C.B.	PT.	PLAST.	PT.	7'-6"
102	CHARGE DESK AREA	VINYL T.	-	VINYL	-	BRICK	-	CONC.	PT.	-	114	WOMEN'S TOILET	C.T.	-	C.T.	-	C.T.	-	PLAST.	PT.	7'-6"
103	VESTIBULE	VINYL T.	-	VINYL	-	BRICK	-	PLAST.	PT.	-	115	MEN'S TOILET	C.T.	-	C.T.	-	C.T.	-	PLAST.	PT.	7'-6"
104	VESTIBULE	VINYL T.	-	VINYL	-	BRICK	-	PLAST.	PT.	-	116	EMPLOYEES LOUNGE	VINYL T.	-	VINYL	-	LW.C.B.	PT.	AC.TILE	-	11'-0"
105	GENERAL OFFICE	VINYL T.	-	VINYL	-	LW.C.B.	PT.	AC.TILE	-	11'-0"	117	EMPLOYEES LUNCH RM.	VINYL T.	-	VINYL	-	LW.C.B.	PT.	AC.TILE	-	11'-0"
106	LIBRARIANS OFFICE	VINYL T.	-	VINYL	-	LW.C.B.	PT.	AC.TILE	-	11'-0"	118	JANITORS CLOSET	CONC.	-	NONE	-	CONC.	EXP.	EXPOSED	-	-
107	WORK ROOM	VINYL T.	-	VINYL	-	LW.C.B.	PT.	EXP STR.	PT.	-	119	CORRIDOR	VINYL T.	-	VINYL	-	LW.C.B.	PT.	AC.TILE	-	7'-6"
108	STACKING AREA	VINYL T.	-	VINYL	-	LW.C.B.	PT.	EXP STR.	PT.	-	120	MENS PUBLIC TOILET	C.T.	-	C.T.	-	C.T.	-	PLAST.	PT.	7'-6"
109	LOADING DOCK	CONC.	-	NONE	-	CONC. Bk	-	EXP STR.	-	-	121	WOMEN'S PUBLIC TOILET	C.T.	-	C.T.	-	C.T.	-	PLAST.	PT.	7'-6"
110	BOILER ROOM	CONC.	-	NONE	-	CONC. Bk	-	EXP. PLAST.	-	-	122	CONFERENCE ROOM	VINYL T.	-	VINYL	-	LW.C.B.	PT.	AC.TILE	-	11'-0"
111	DUPPLICATING WORKROOM	CONC.	-	NONE	-	CONC. Bk	PT.	EXP STR.	PT.	-	123	LAWN STORAGE	CONC.	-	CONC. Bk	-	CONC. B.	-	EXP STR.	-	-
112	STORE ROOM	CONC.	-	NONE	-	CONC. Bk	-	EXP STR.	PT.	-	124	MECH EQUIPMENT ENCLOSURE	CONC.	-	BRICK	-	BRICK	-	NONE	-	-

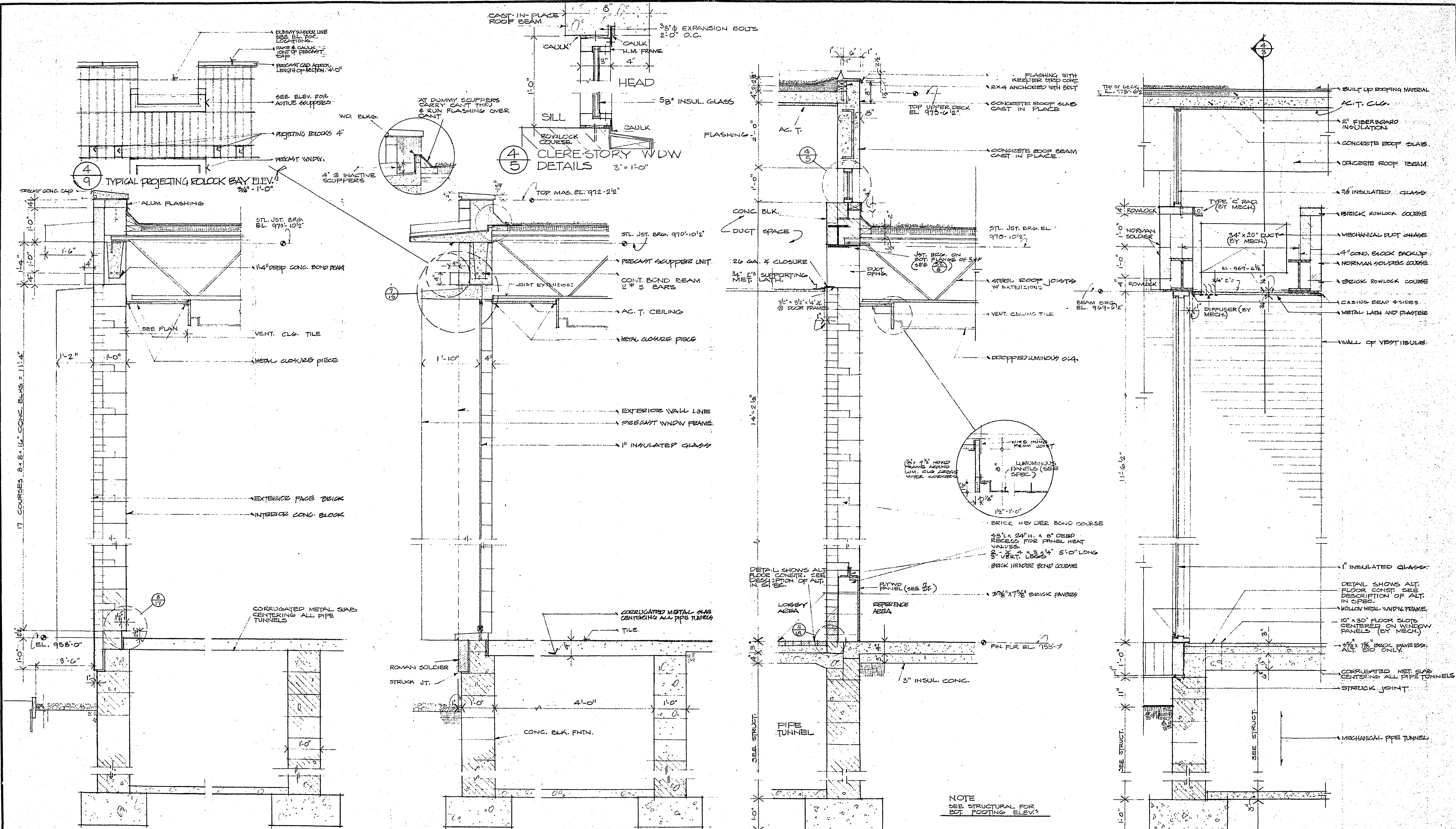
BUETOW & ASSOCIATES
ARCHITECTS & ENGINEERS
1276 UNIVERSITY AVE.
SAINT PAUL 4, MINNESOTA
640-3341

DATE: 10-15-63
REVISIONS:

FLOOR PLAN 1/8" = 1'-0"

RAMSEY COUNTY LIBRARY
HEADQUARTERS BUILDING
ROSEVILLE MINNESOTA

PROJ. NO. 6212
SHEET NO. 3
OF 8

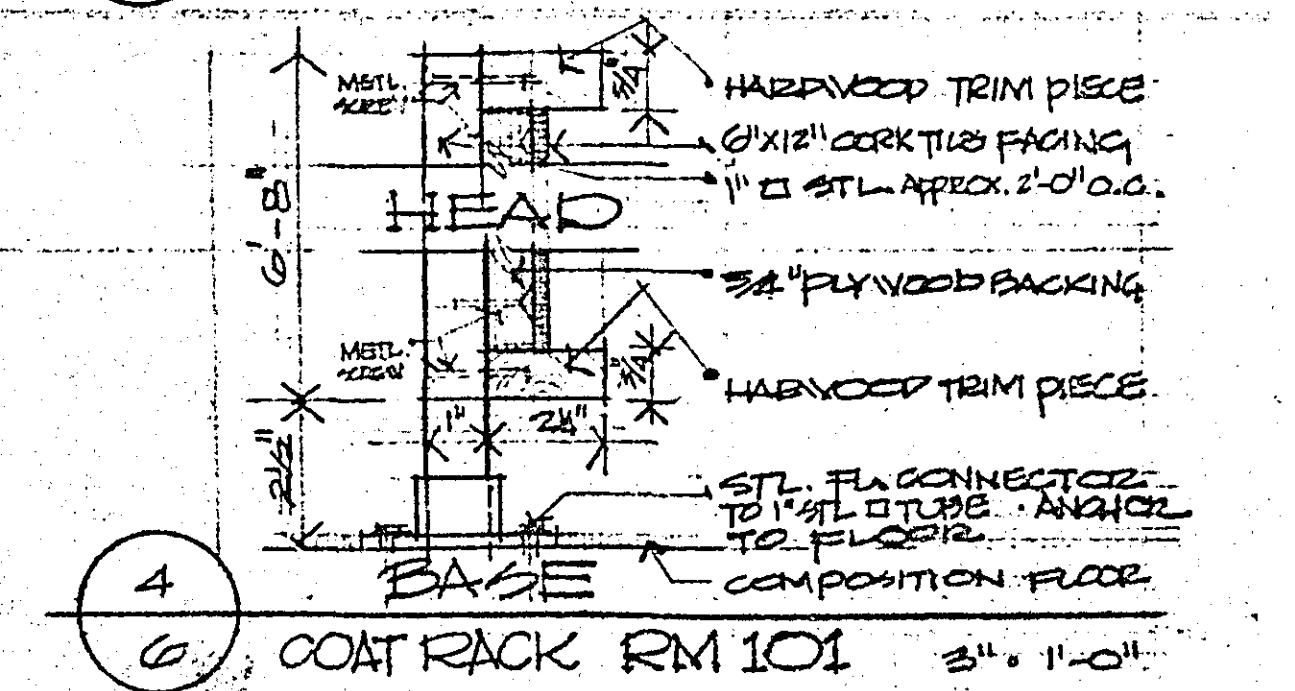


4
1
TYPICAL WALL SECTION
34" x 1'-0"

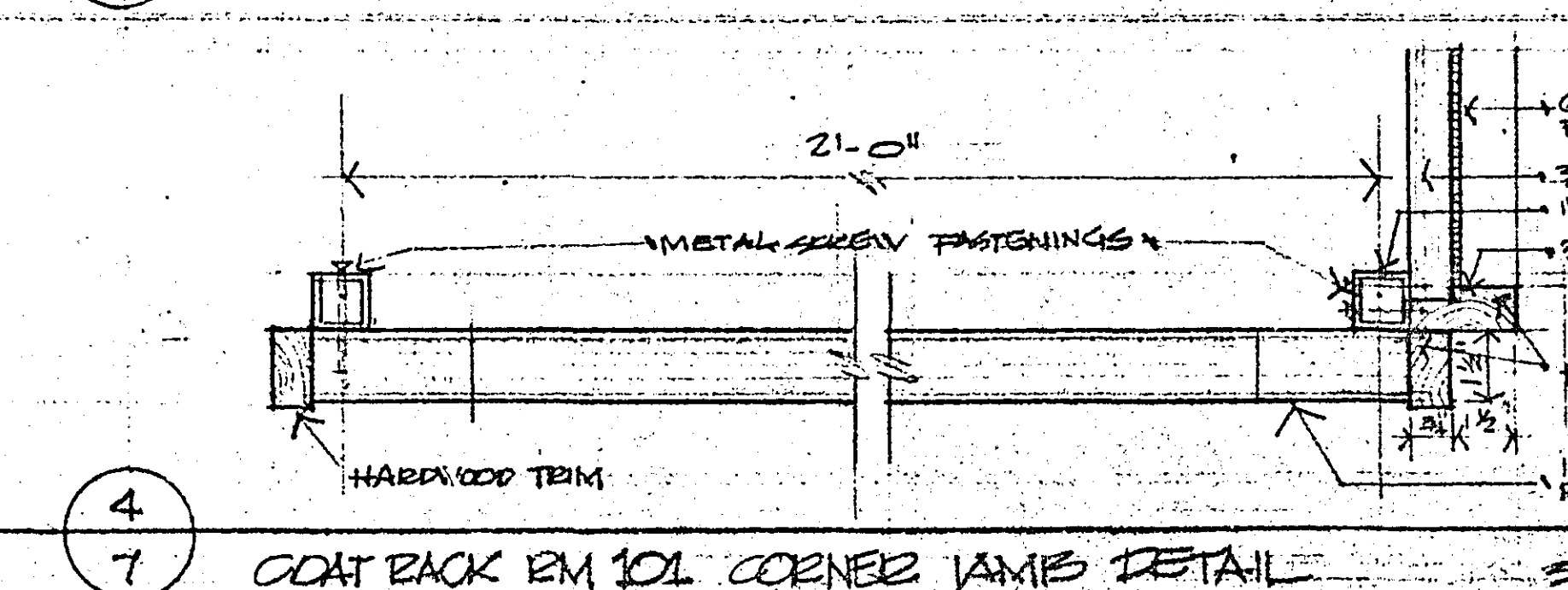
4
2
SECTION @ PRECAST WINDOW UNITS
34" x 1'-0"

4
3
SECTION @ LOBBY
34" x 1'-0"

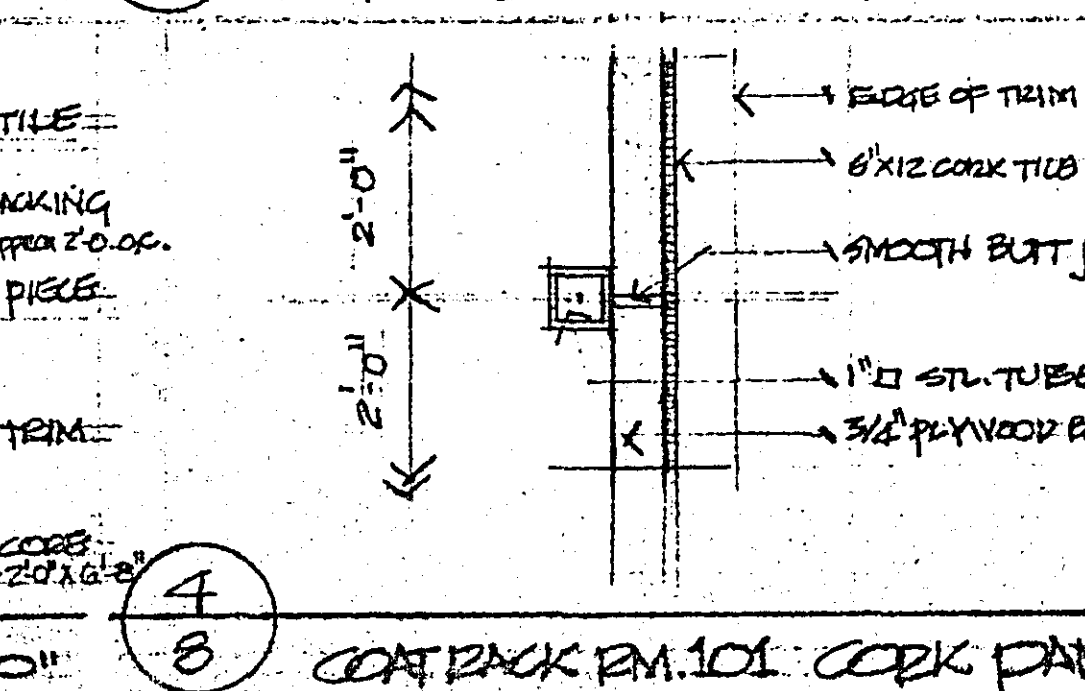
4
4
SECTION @ ENTRANCE
34" x 1'-0"



4
6
COAT RACK RM 101
34" x 1'-0"

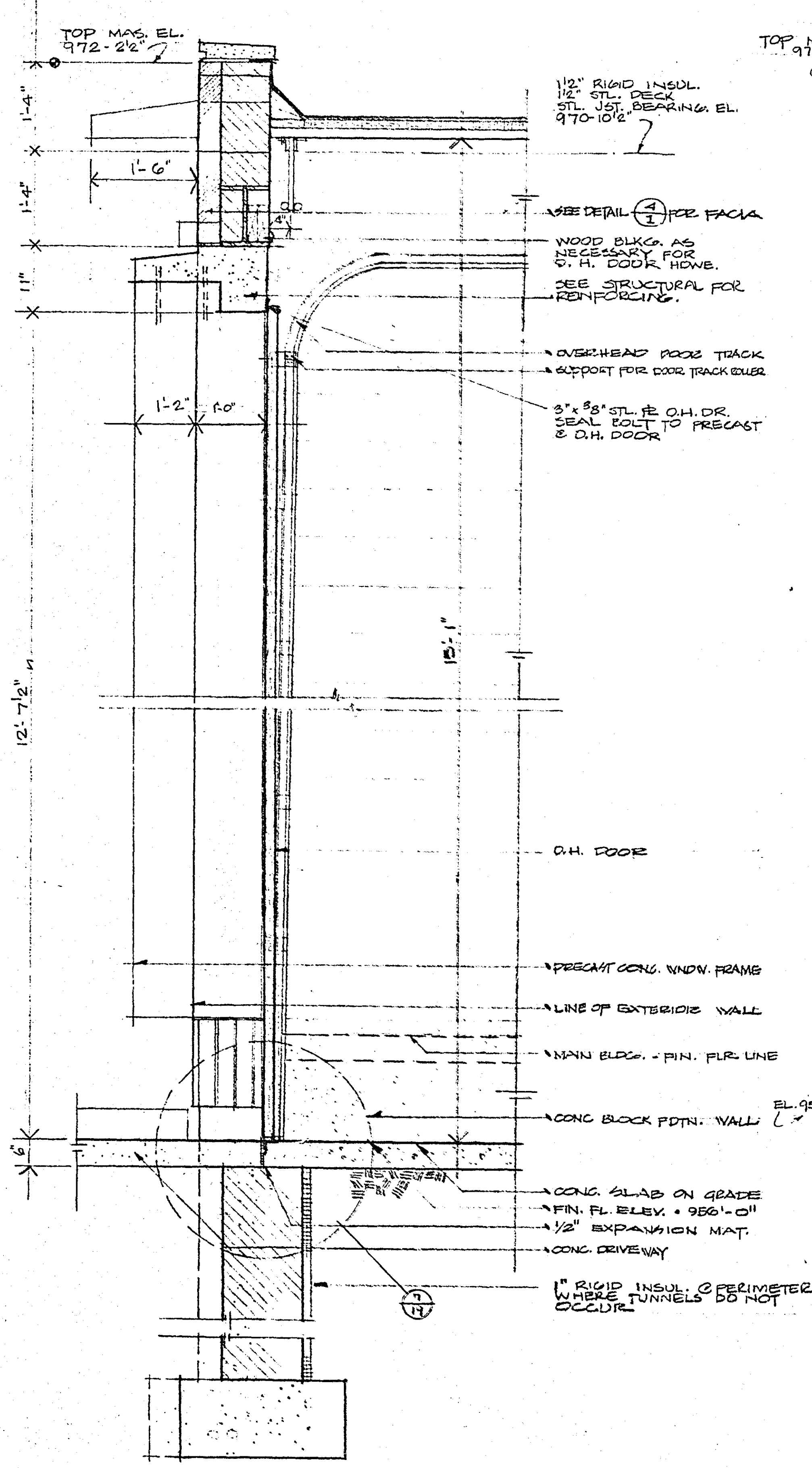


4
7
COAT RACK RM 101 CORNER JAMB DETAIL
34" x 1'-0"

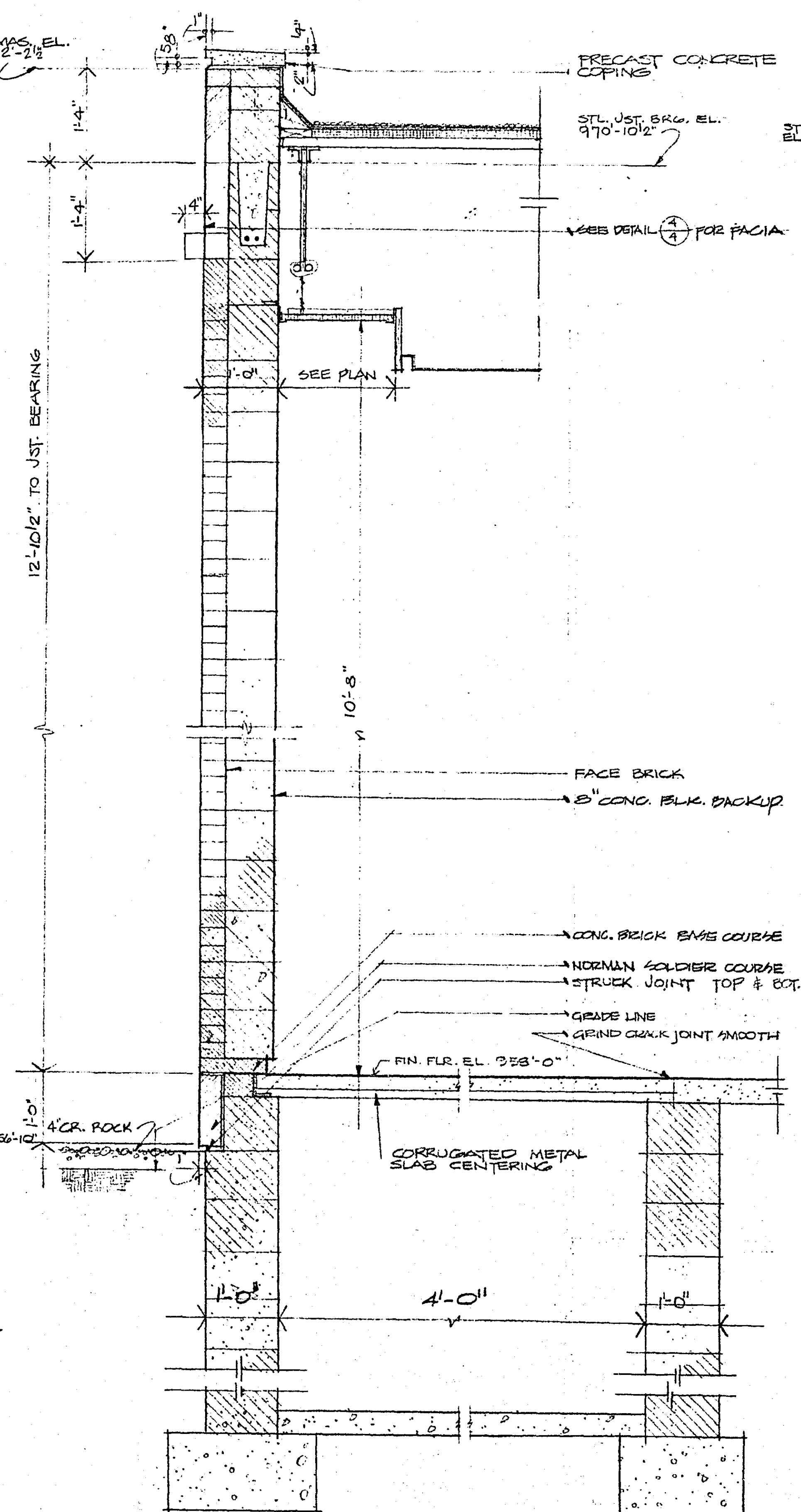


4
8
COAT RACK RM 101 CORK PANEL JAMB
34" x 1'-0"

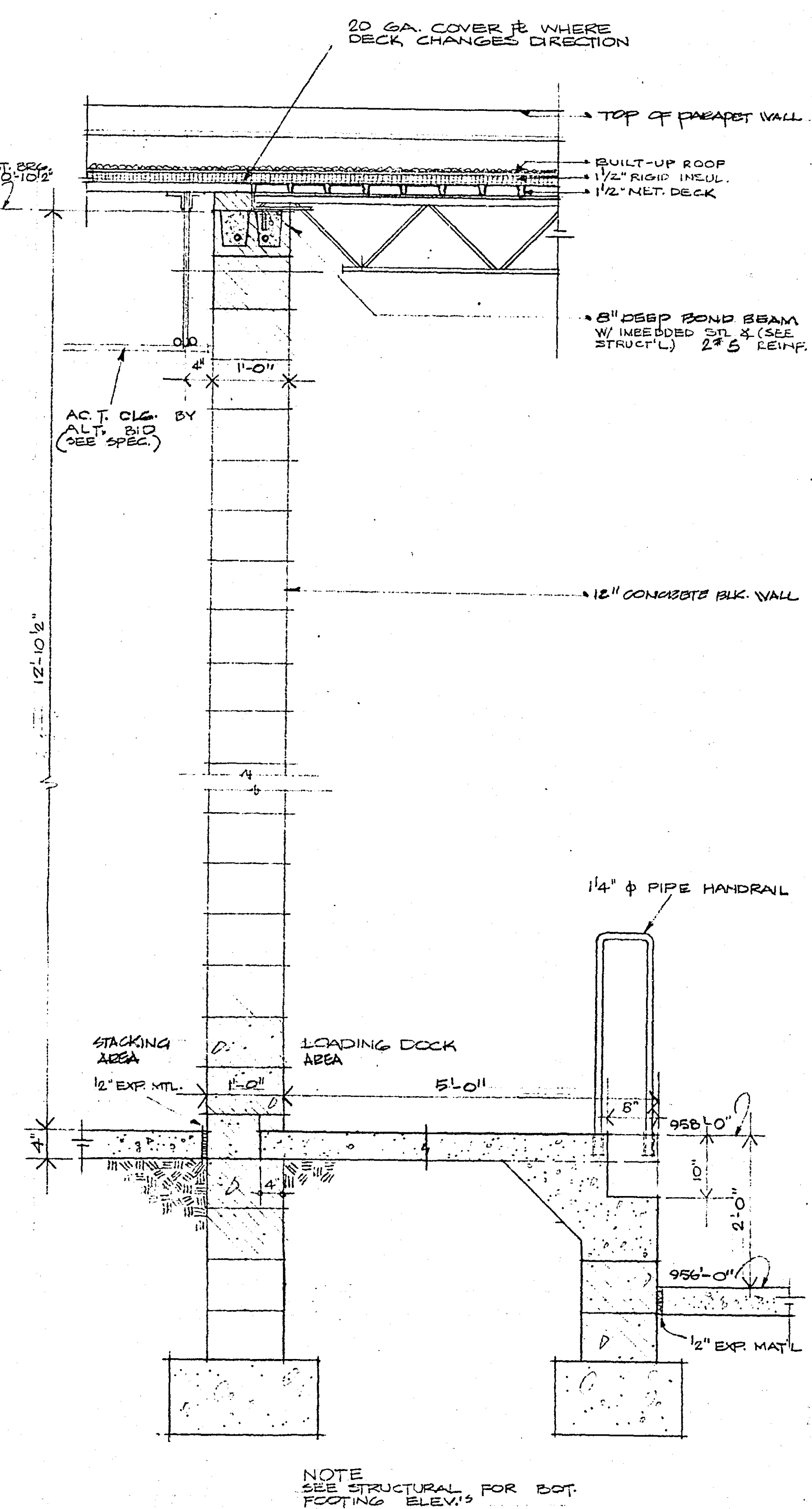
BUETOW & ASSOCIATES ARCHITECTS & ENGINEERS 1276 UNIVERSITY AVE. SAINT PAUL, MINN. 55102	DATE 10-15-63 REVISIONS	WALL SECTIONS 34" x 1'-0" RAMSEY COUNTY LIBRARY HEADQUARTERS BUILDING 20 SEVILLE MINNESOTA	PROJ. NO. 6212 SHEET NO. 4 OF 8
---	-------------------------------	---	---



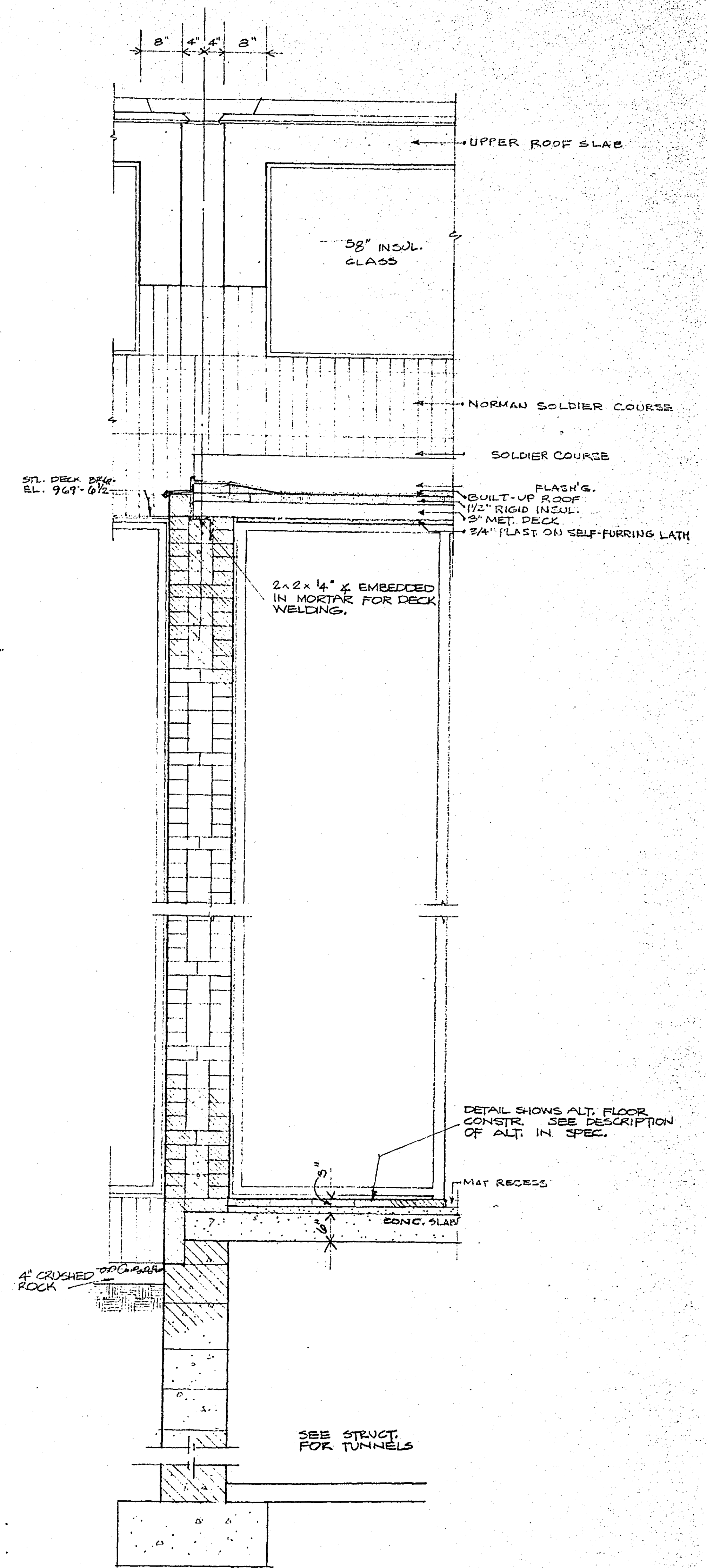
SECTION 5 @ OVERHEAD DOOR
34' x 10'



SECTION 6 WALL SECTION @ COURT
34' x 10'



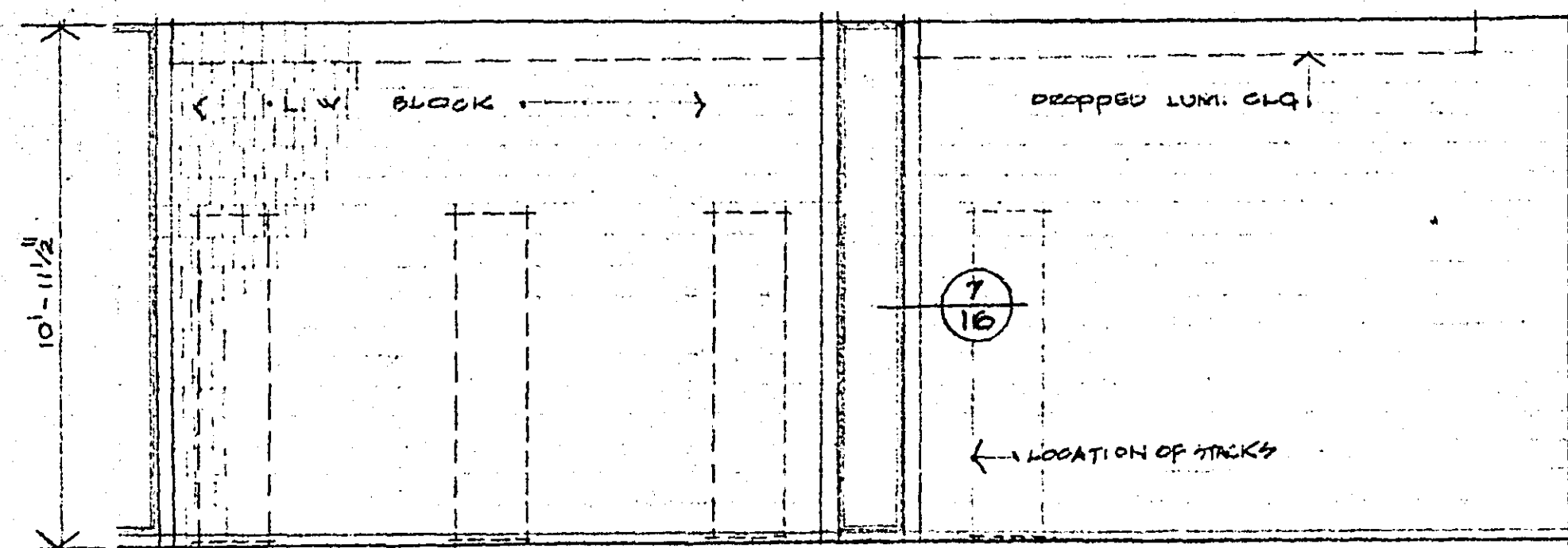
SECTION 7 SECTION THRU LOADING DOCK
34' x 10'



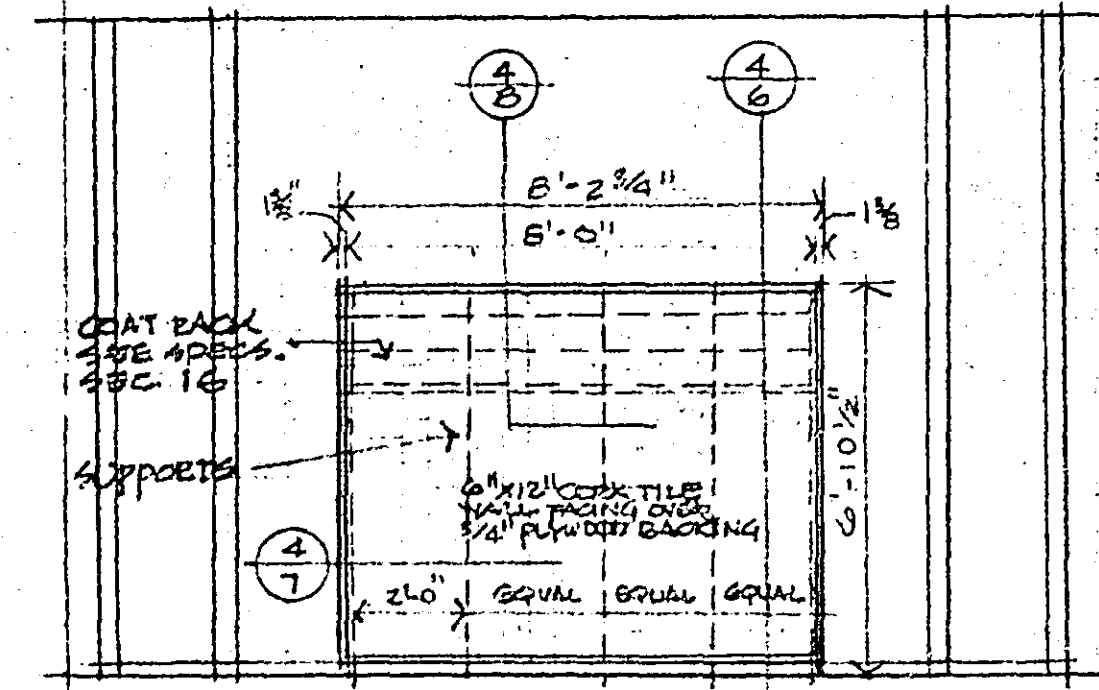
SECTION 8 SECTION @ VESTIBULE (TYPICAL)
34' x 10'

BUETOW & ASSOCIATES ARCHITECTS & ENGINEERS 1278 UNIVERSITY AVE. SAINT PAUL 4, MINNESOTA 55104	DATE 10-15-63	WALL SECTIONS 34' x 10'		PROJ. NO. 6212
	REVISIONS	RAMSEY COUNTY LIBRARY HEADQUARTERS BUILDING TO SEVILLE MINNESOTA		SHEET NO. 5

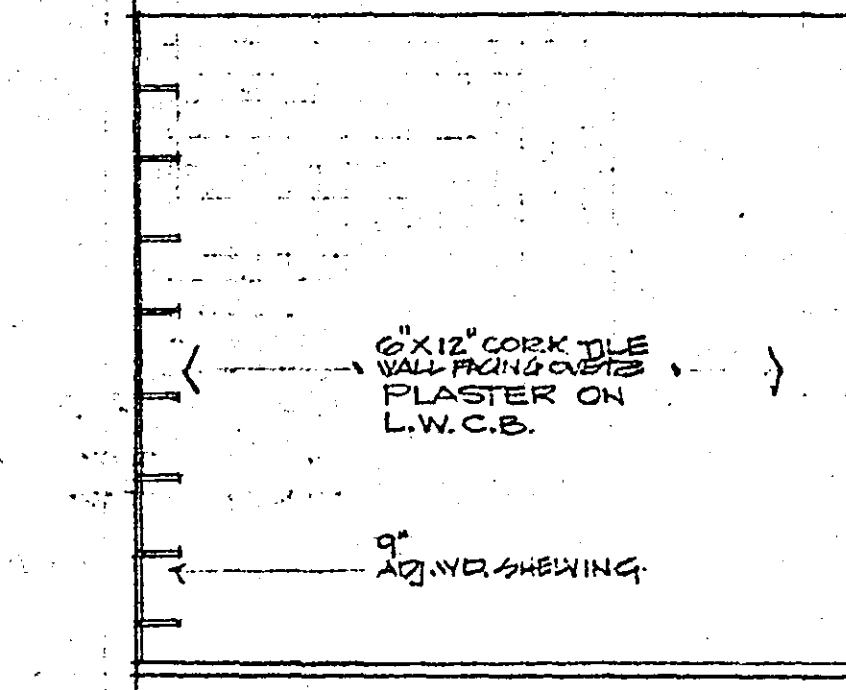
MICROFILMED
RAMSEY CO. ENGR.



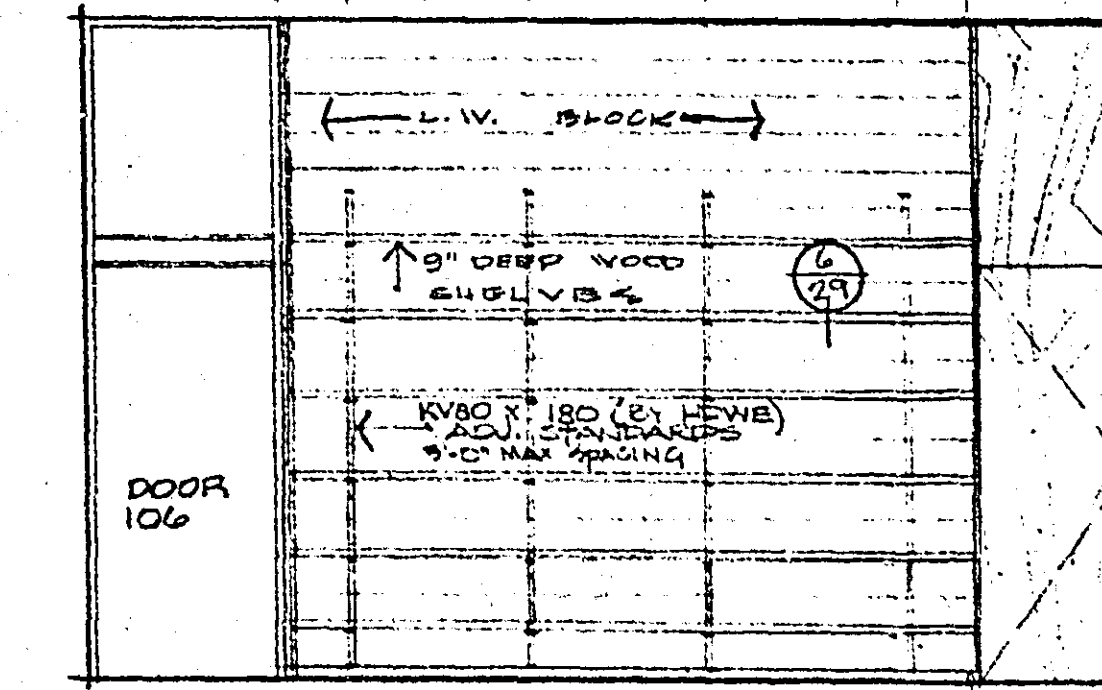
6/1 SOUTH ELEVATION ROOM 101 (PARTIAL)
1/4\" = 1'-0"



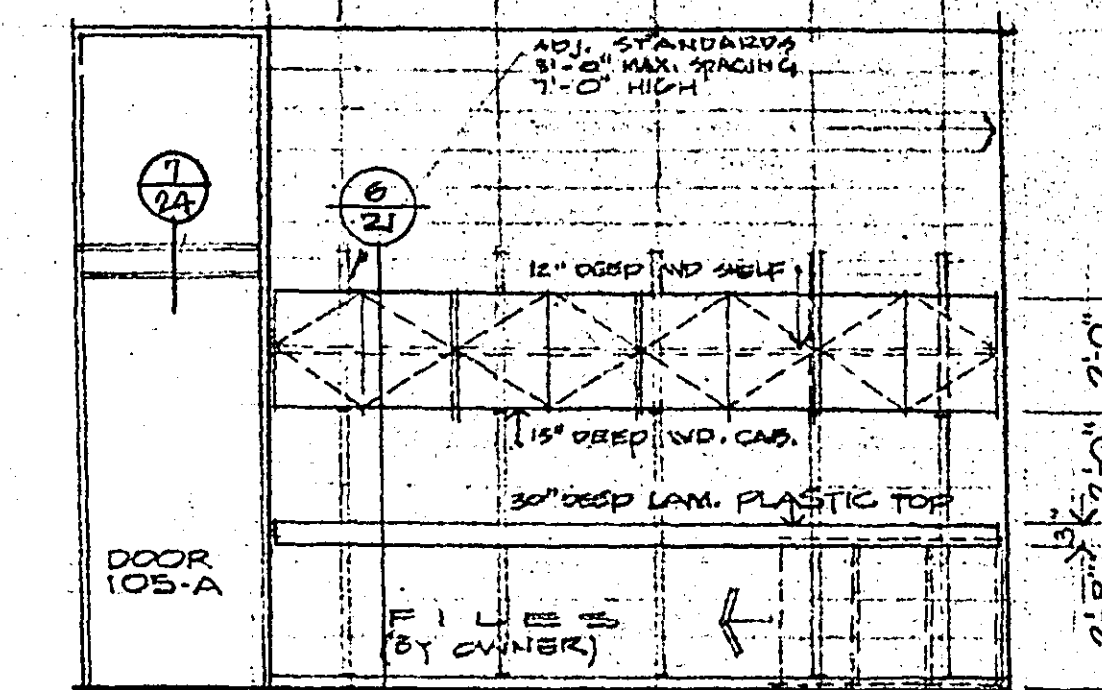
6/2 NORTH ELEVATION RM. 101
1/4\" = 1'-0"



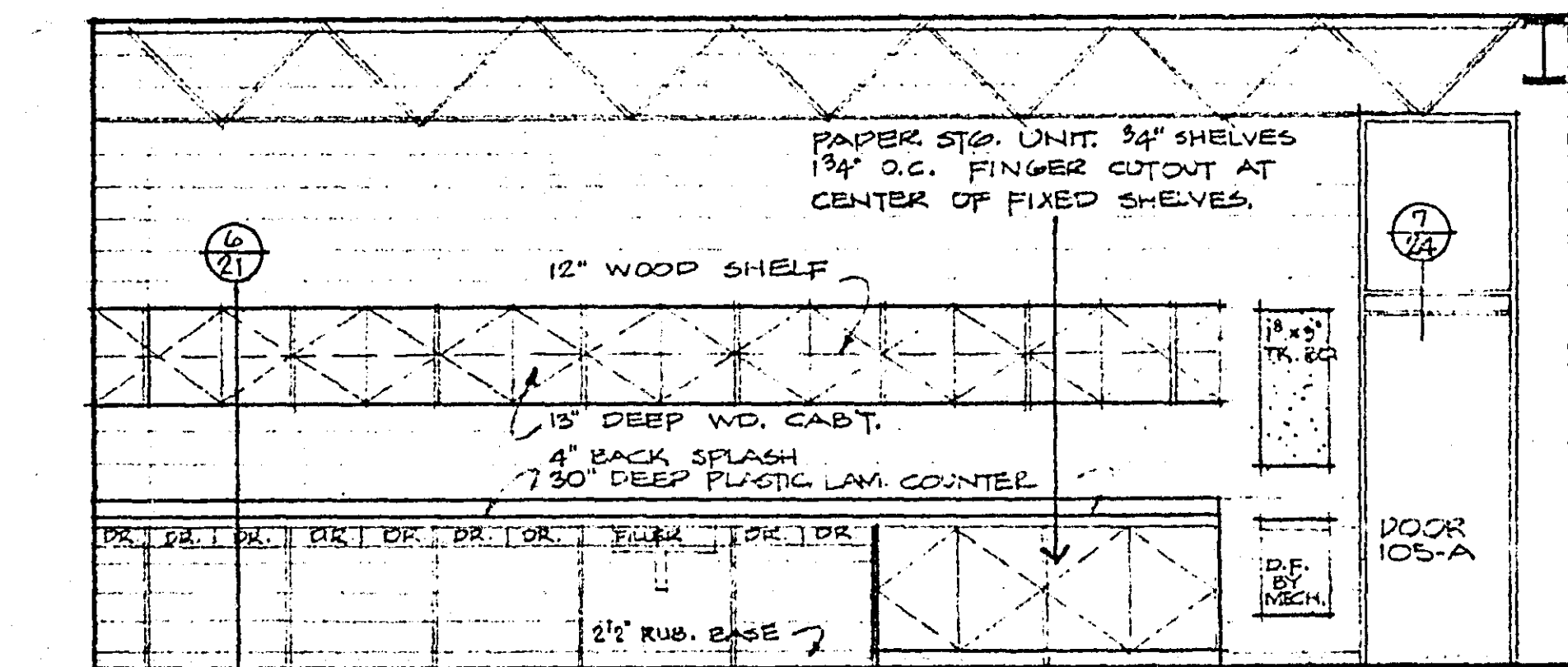
6/3 NORTH ELEV. RM 106
1/4\" = 1'-0"



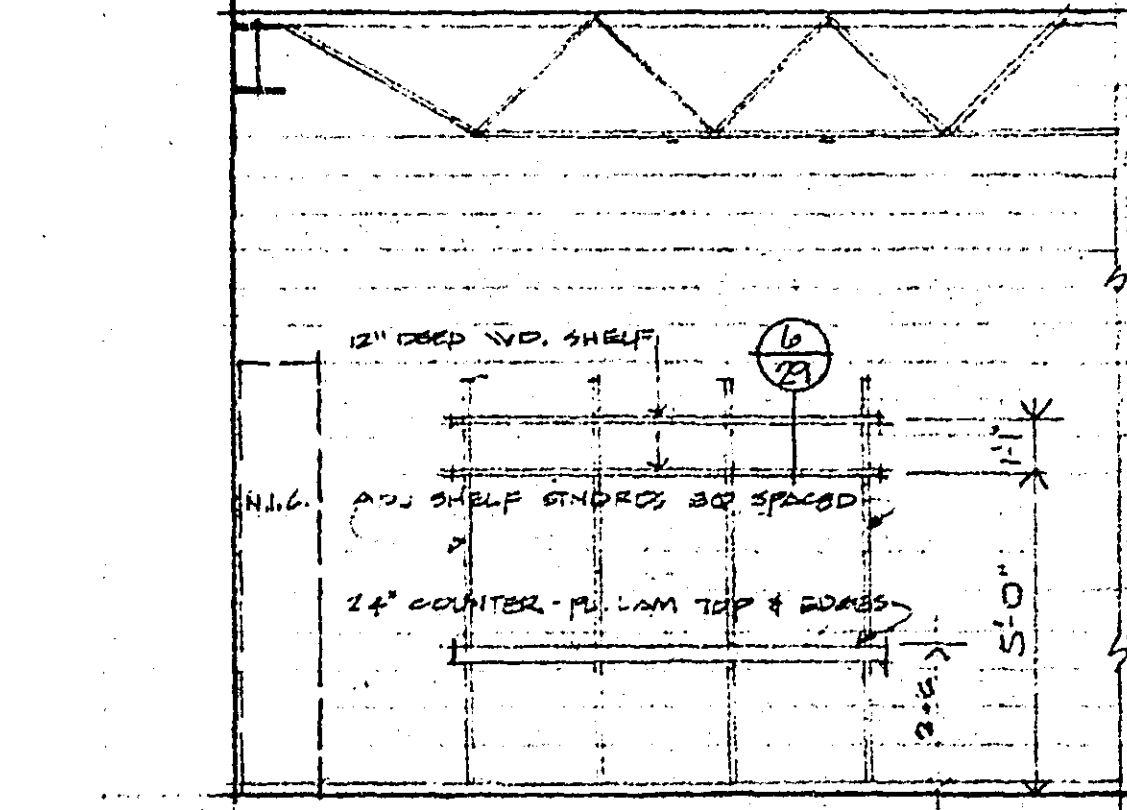
6/4 WEST ELEV. ROOM 106
1/4\" = 1'-0"



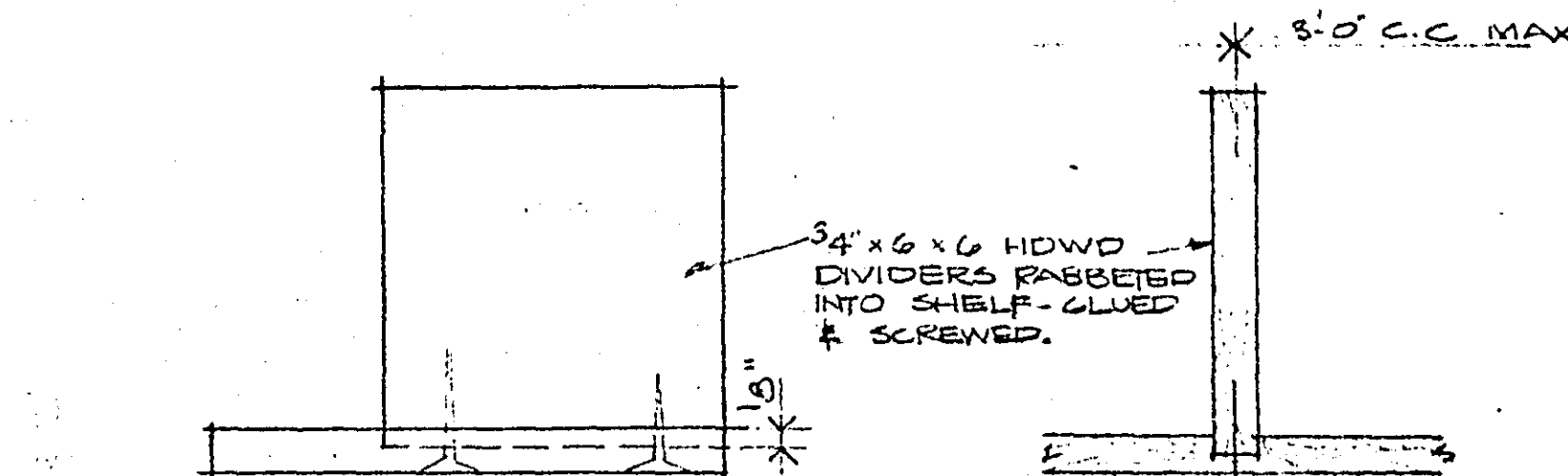
6/5 NORTH ELEV. ROOM 105
1/4\" = 1'-0"



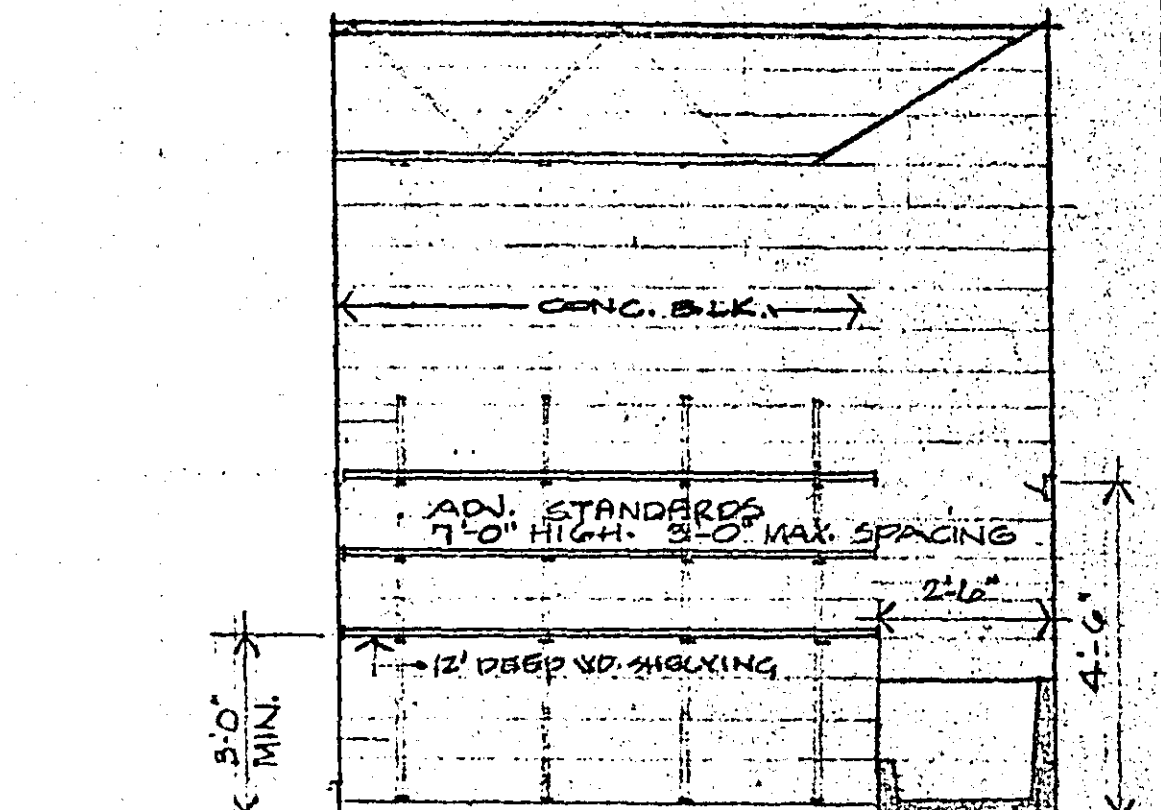
6/6 SOUTH ELEVATION ROOM 107
1/4\" = 1'-0"



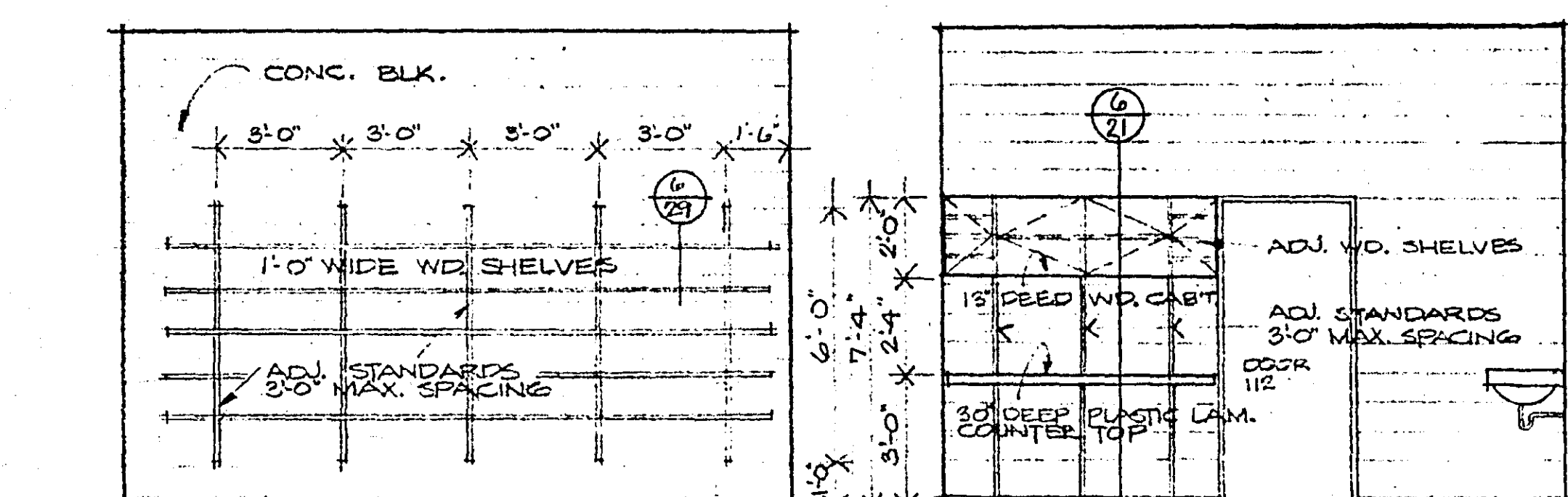
6/7 PARTIAL NORTH ELEV. RM 107
1/4\" = 1'-0"



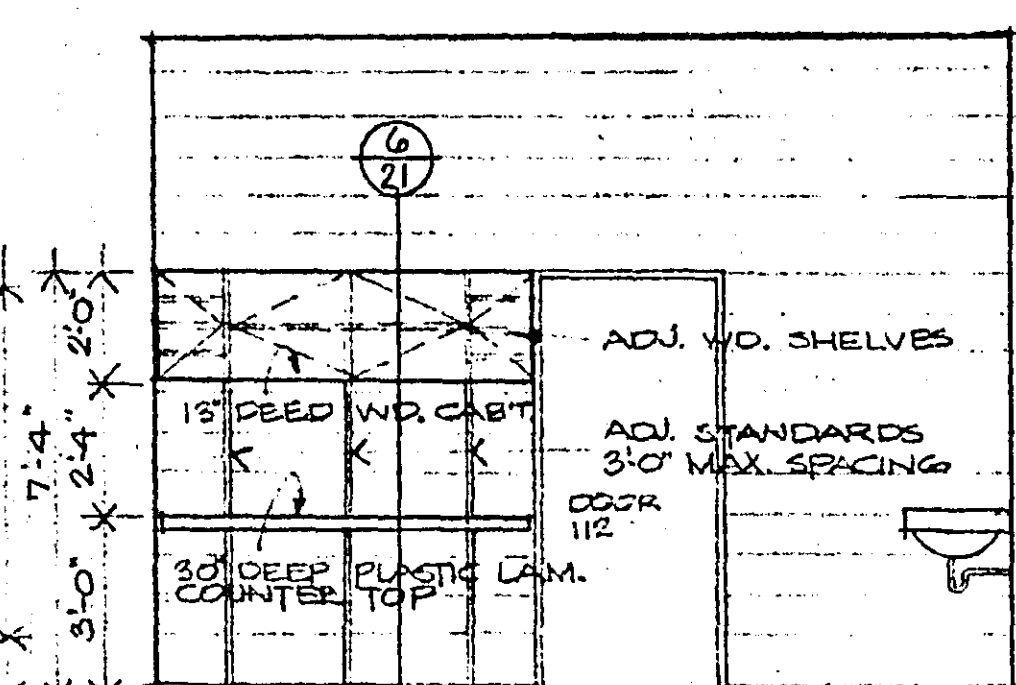
6/29 WOOD DIVIDERS FOR WOOD SHELVES ROOMS 106 & 107
3\"/>



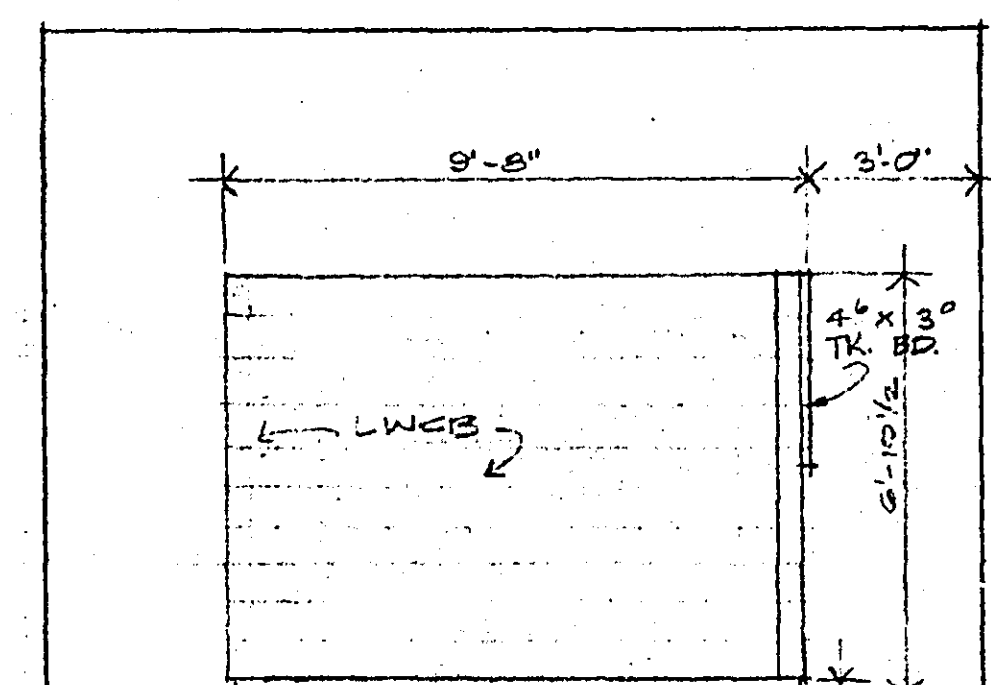
6/9 SOUTH ELEV. RM 118
1/4\" = 1'-0"



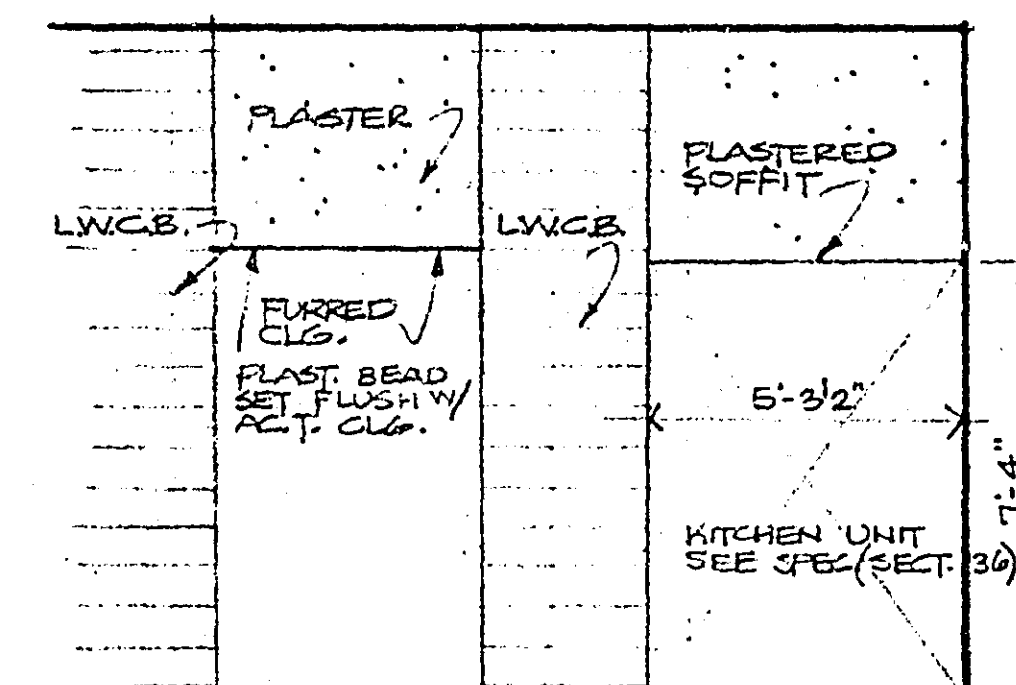
6/10 SOUTH ELEV. RM. 112
1/4\" = 1'-0\"
EAST ELEV. SIMILAR.



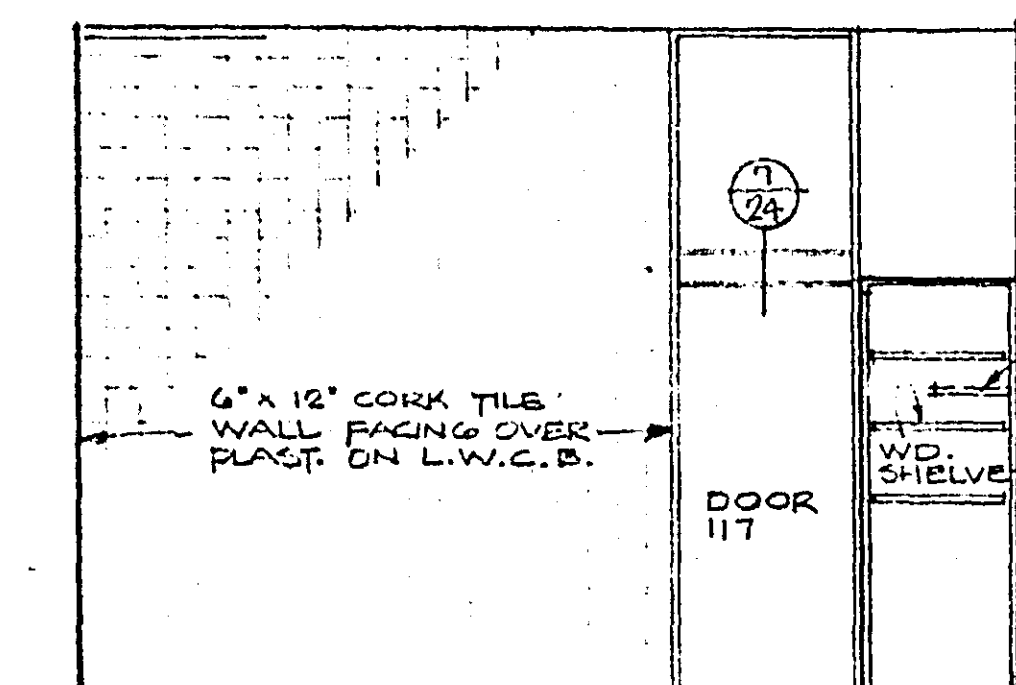
6/11 WEST ELEVATION RM 111
1/4\" = 1'-0"



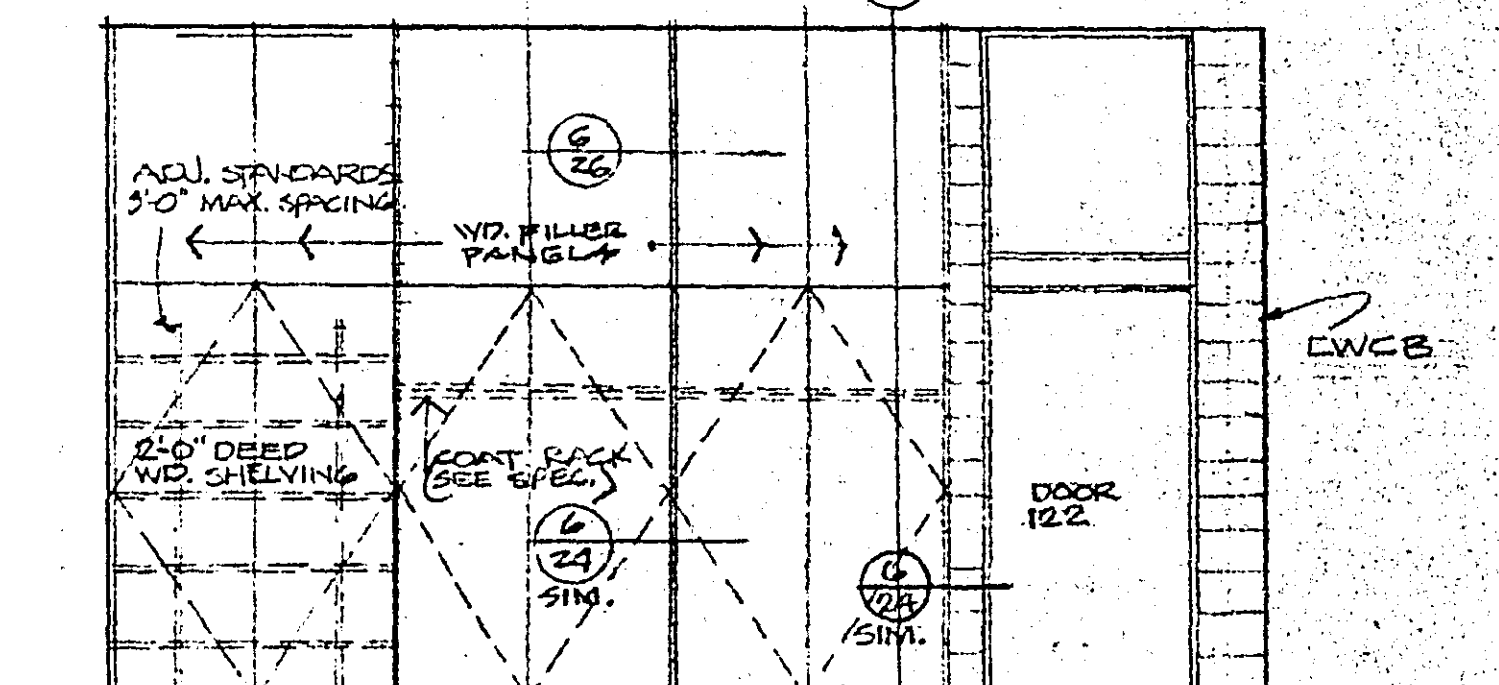
6/12 NORTH ELEVATION RM. 117
1/4\" = 1'-0"



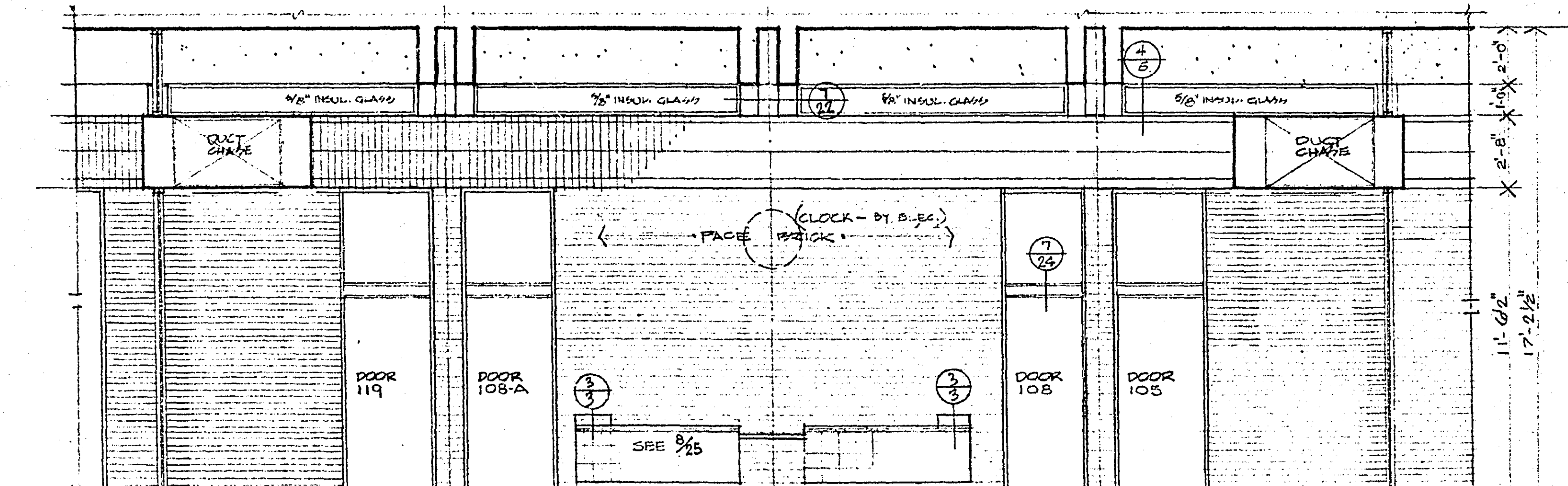
6/13 PARTIAL EAST ELEV. RM. 117
1/4\" = 1'-0"



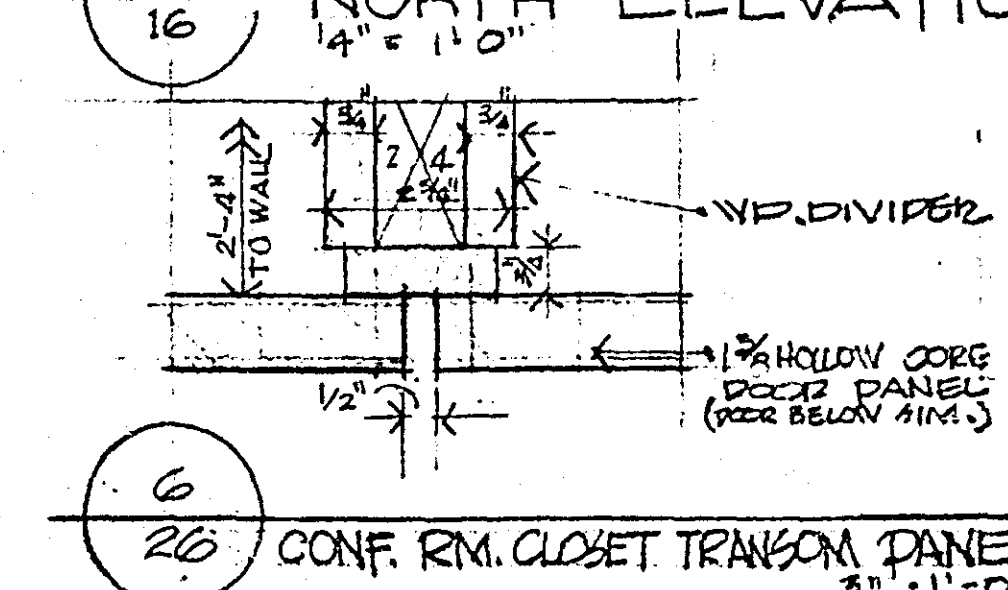
6/14 NORTH ELEV. RM. 122
1/4\" = 1'-0"



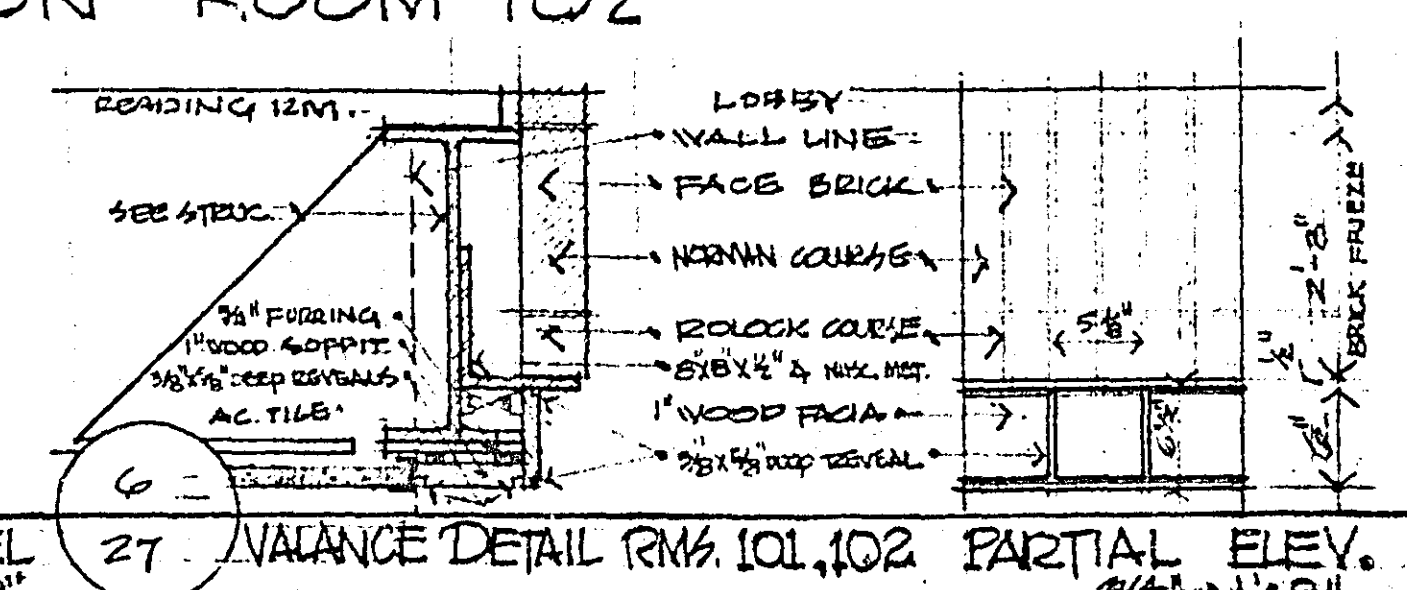
6/15 EAST ELEV. RM 122
1/4\" = 1'-0"



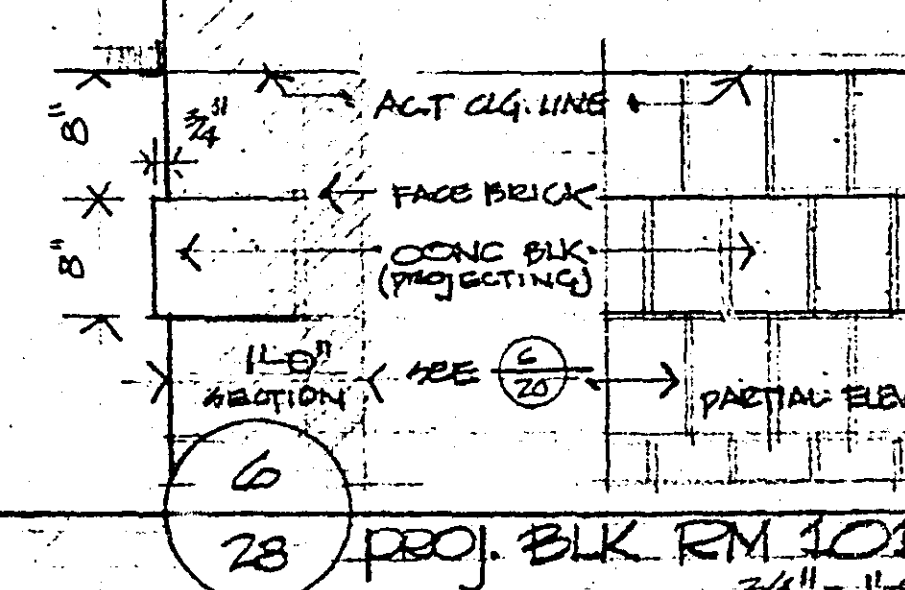
6/16 NORTH ELEVATION ROOM 102
1/4\" = 1'-0"



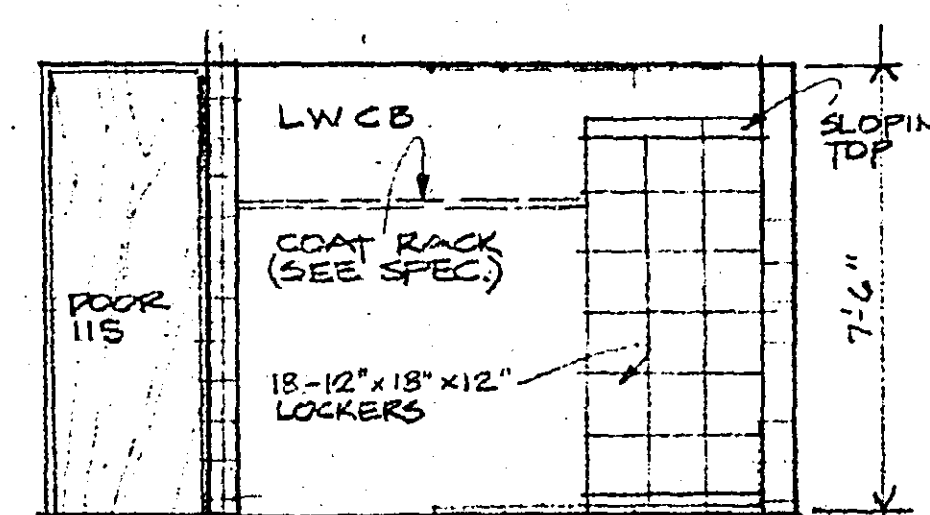
6/26 CONF. RM. CLOSET TRANSOM PANEL
3\"/>



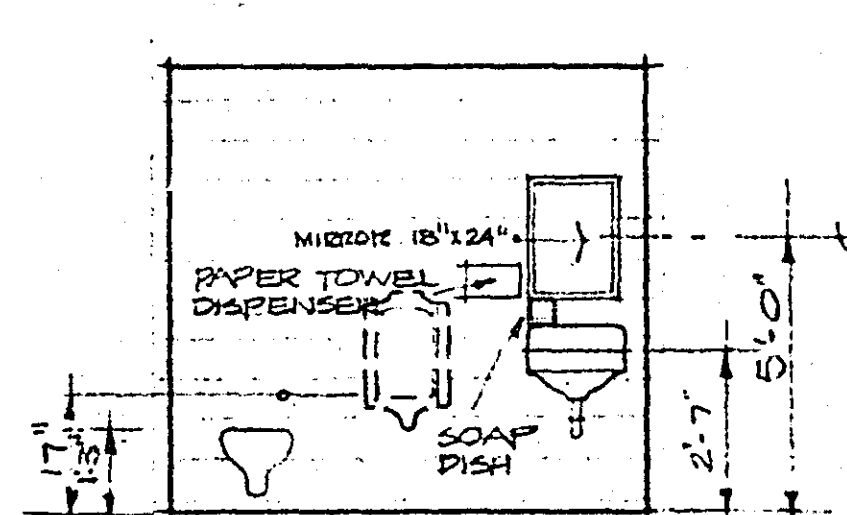
6/27 VALANCE DETAIL RMs 101, 102, 107 PARTIAL ELEV.
1\"/>



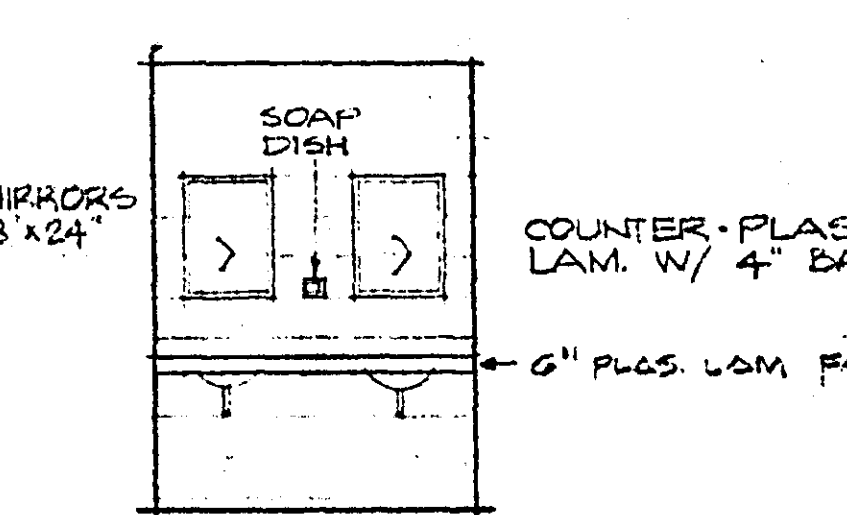
6/28 PROJ. BLK. RM 101
3\"/>



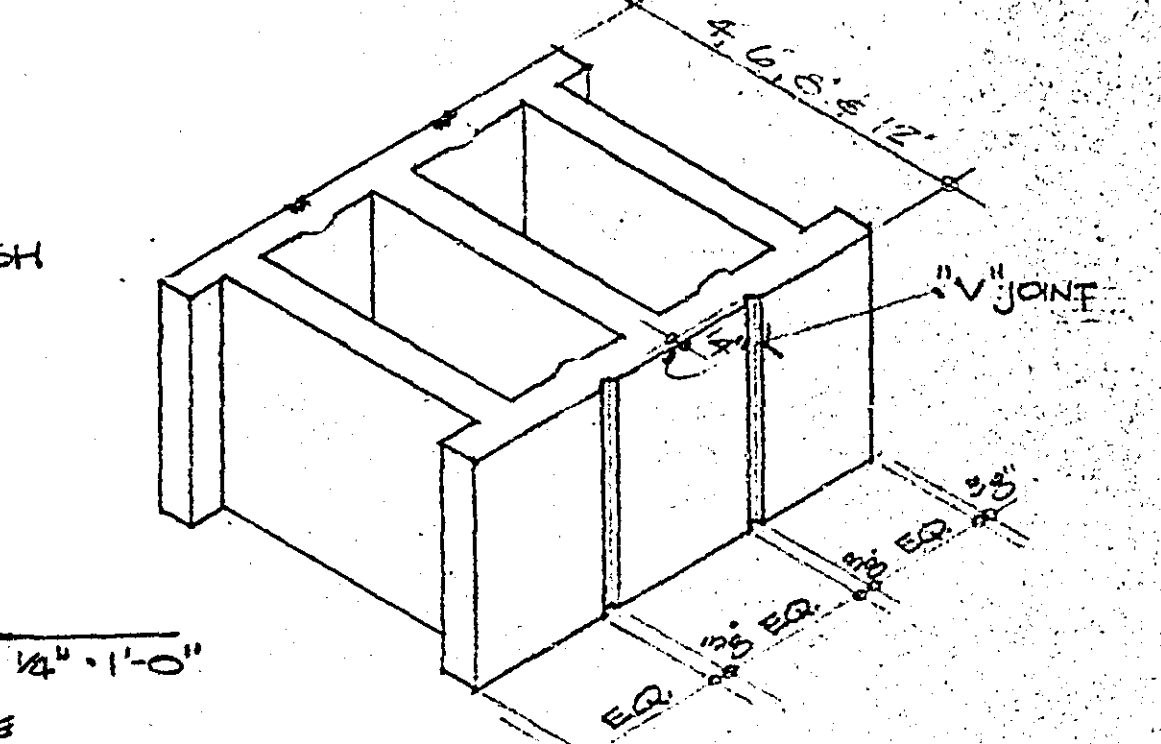
6/17 SOUTH ELEV. RM. 113
1/4\" = 1'-0"



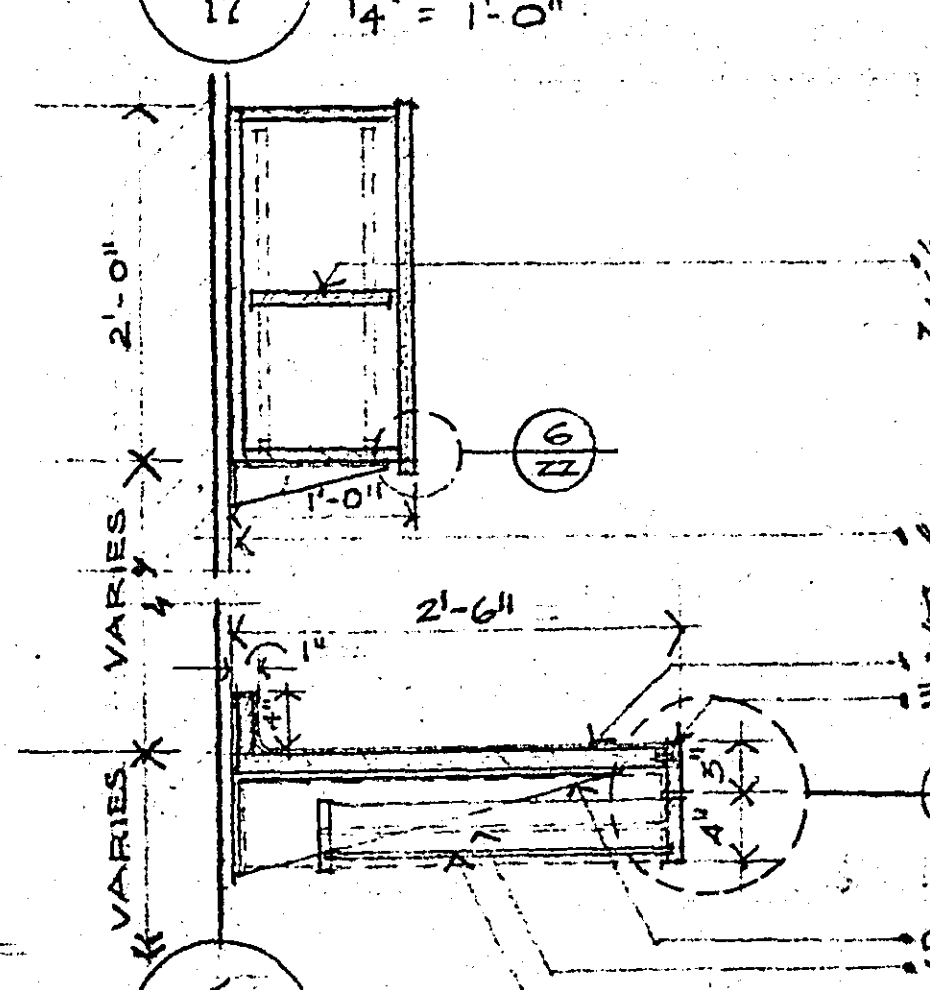
6/18 EAST ELEV. RM. 121
1/4\" = 1'-0\"
120 SIM. EXCEPT URINAL



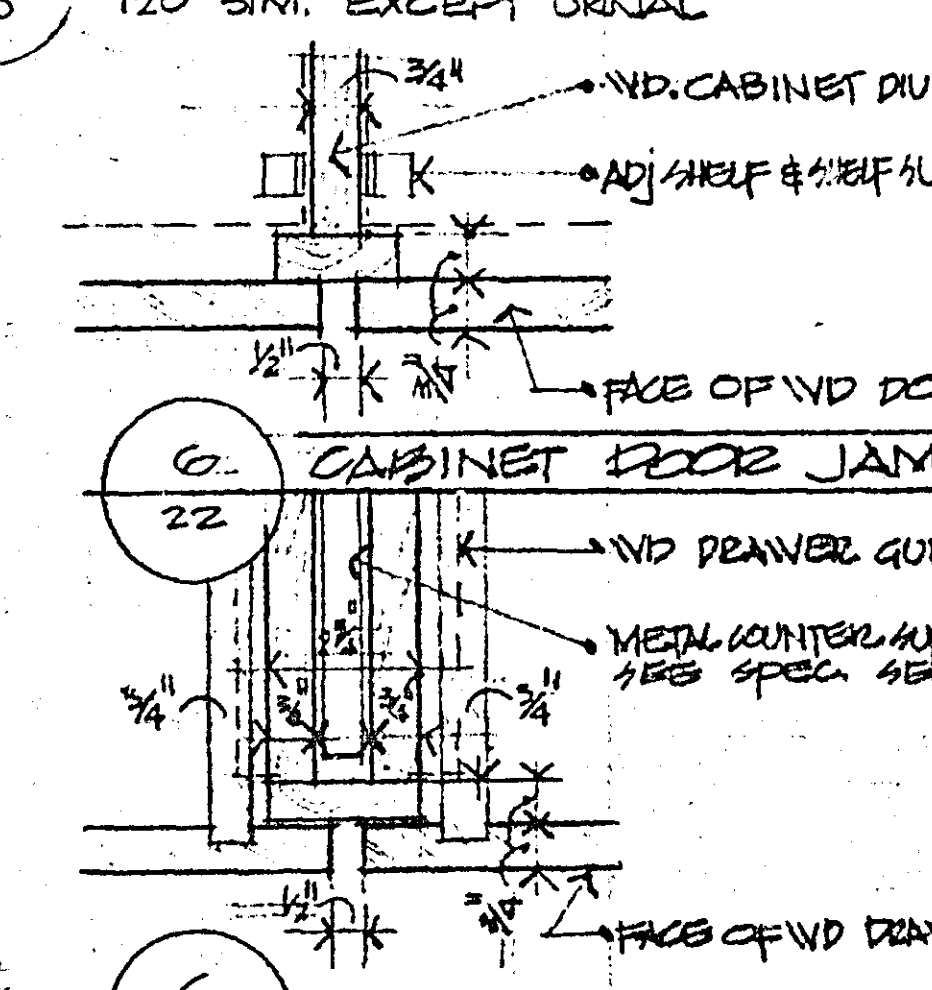
6/19 EAST ELEV. RM. 114
1/4\" = 1'-0"



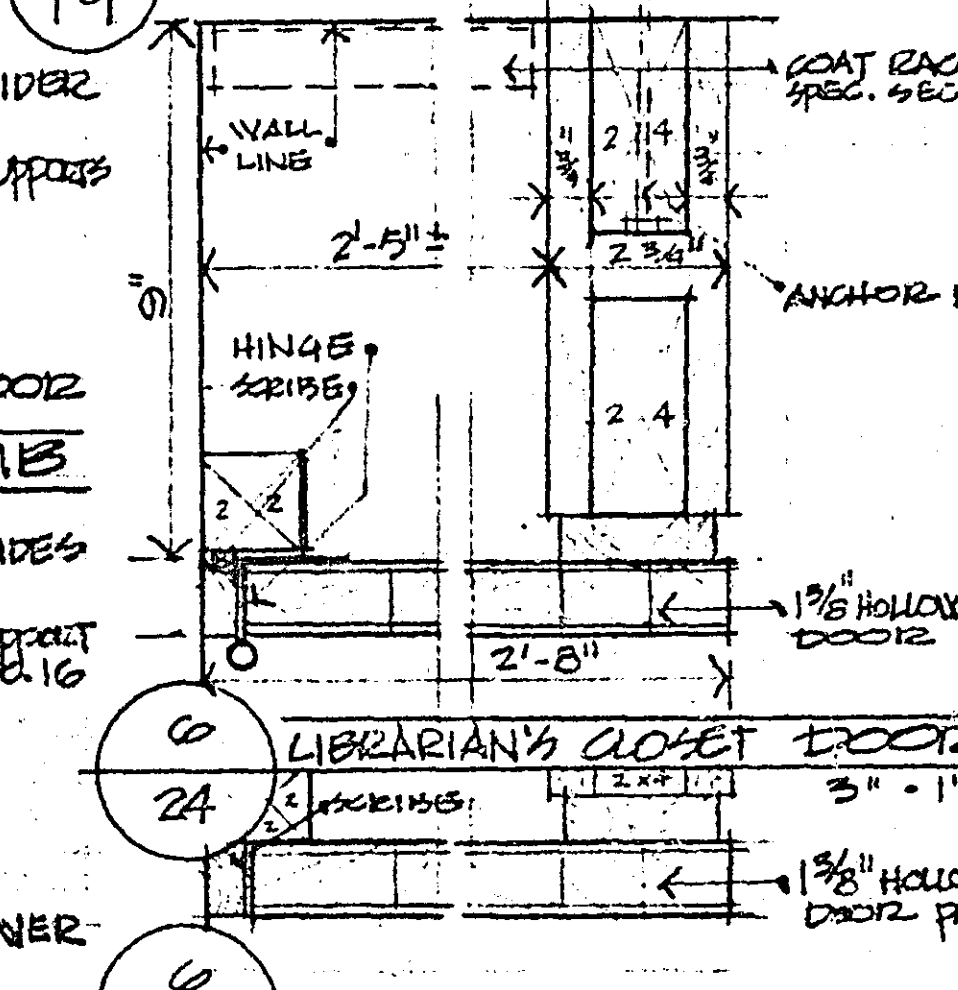
6/20 TYPICAL LIGHTWEIGHT CONCRETE BLOCK



6/21 SECTION THRU TYPICAL COUNTER & CAB.
3\"/>



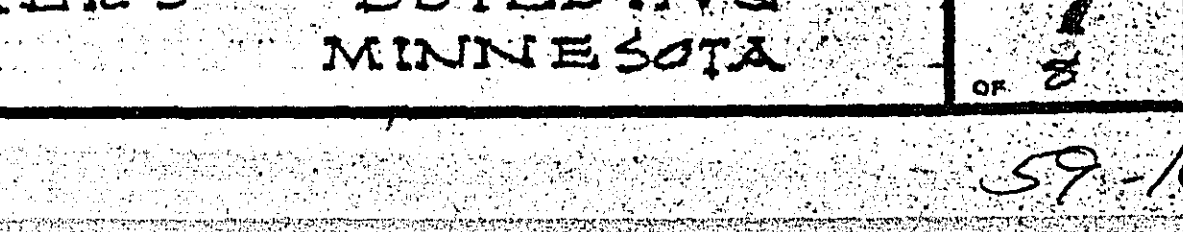
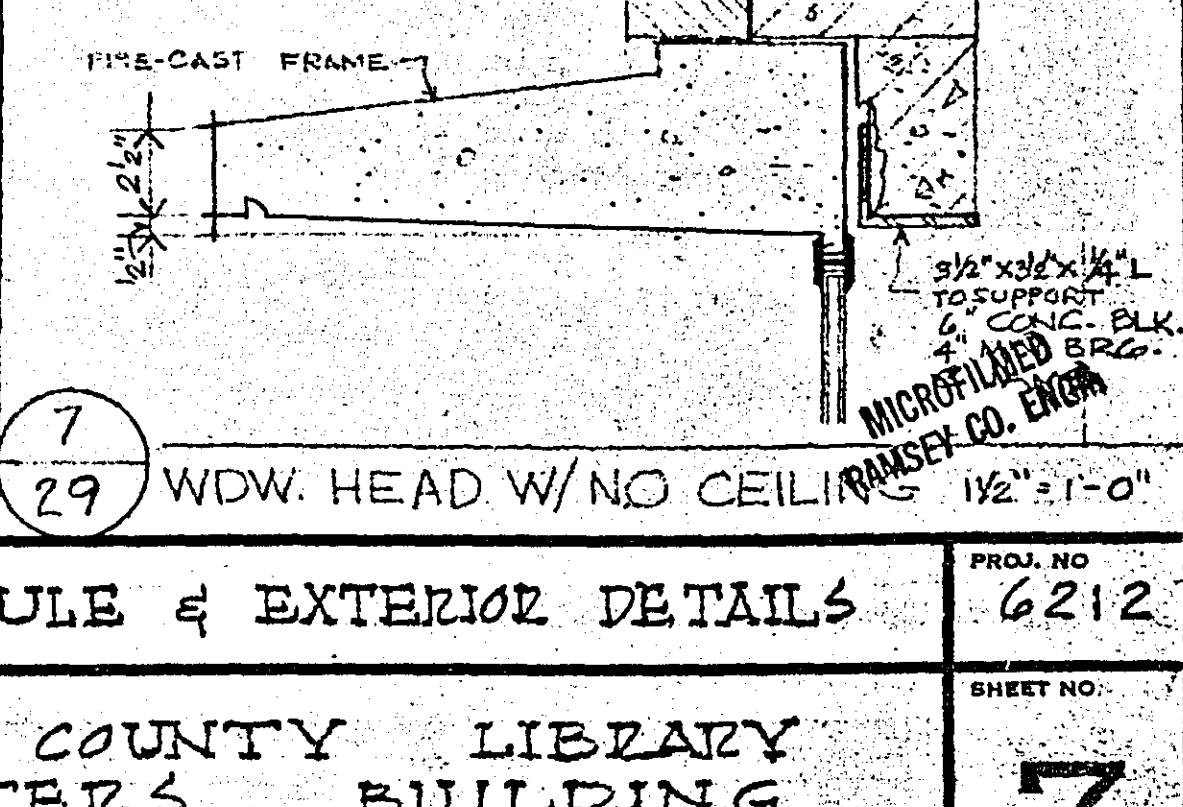
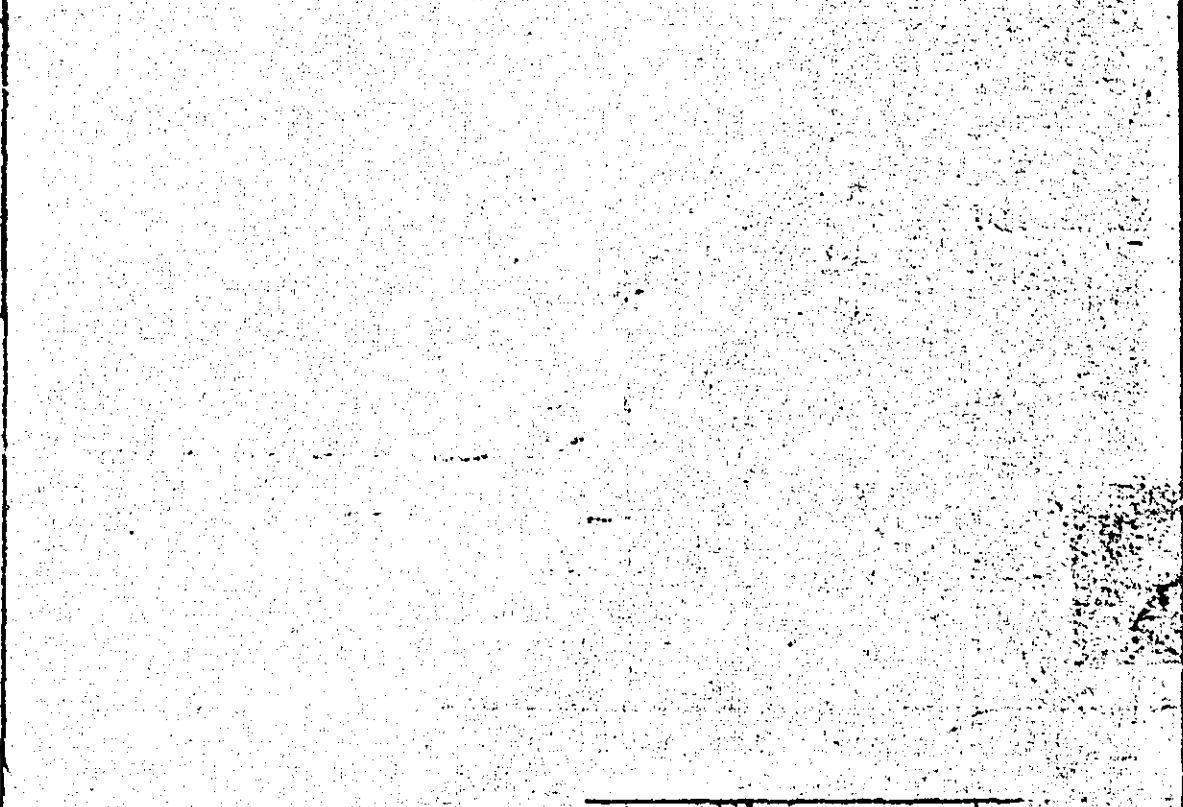
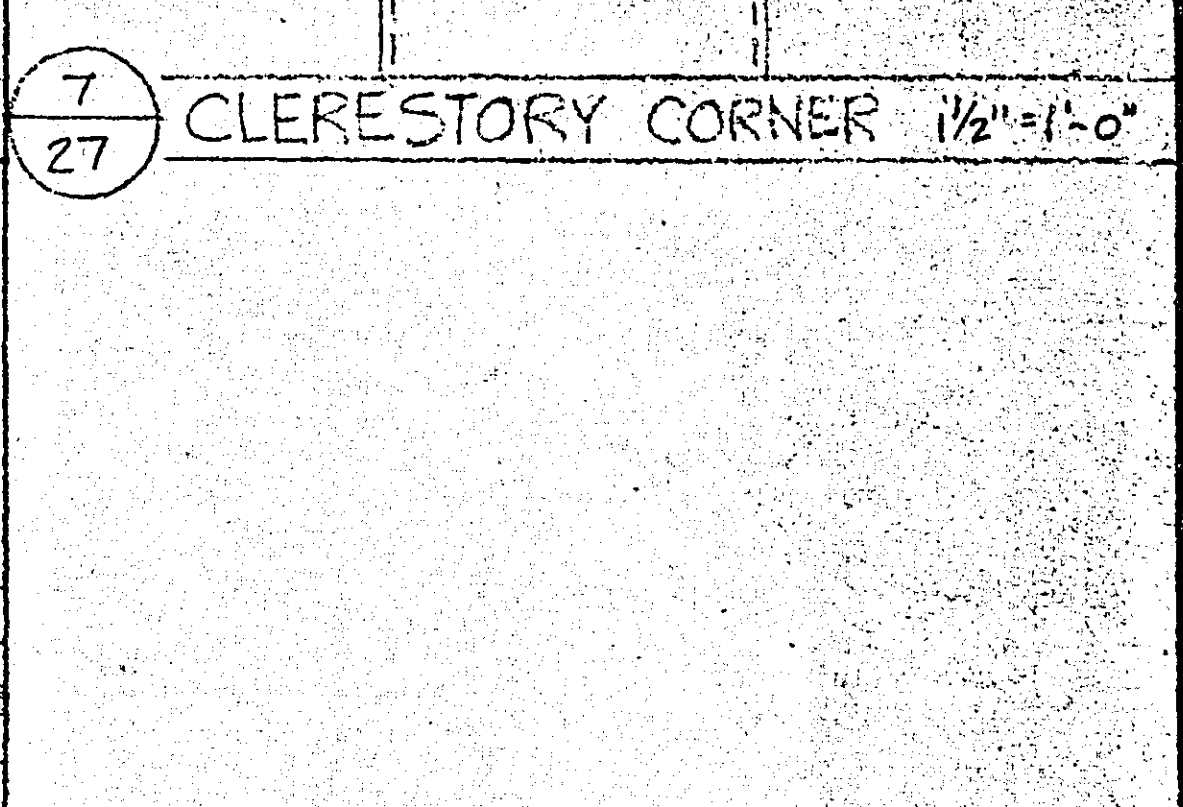
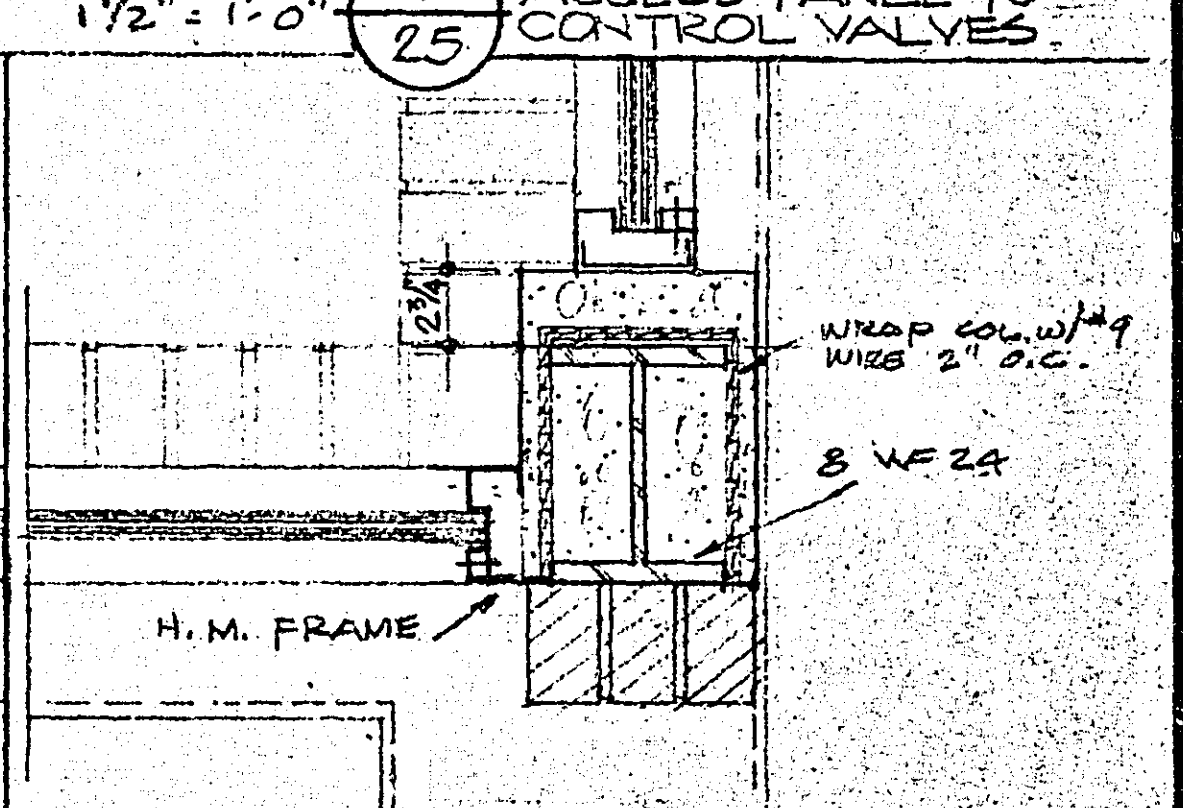
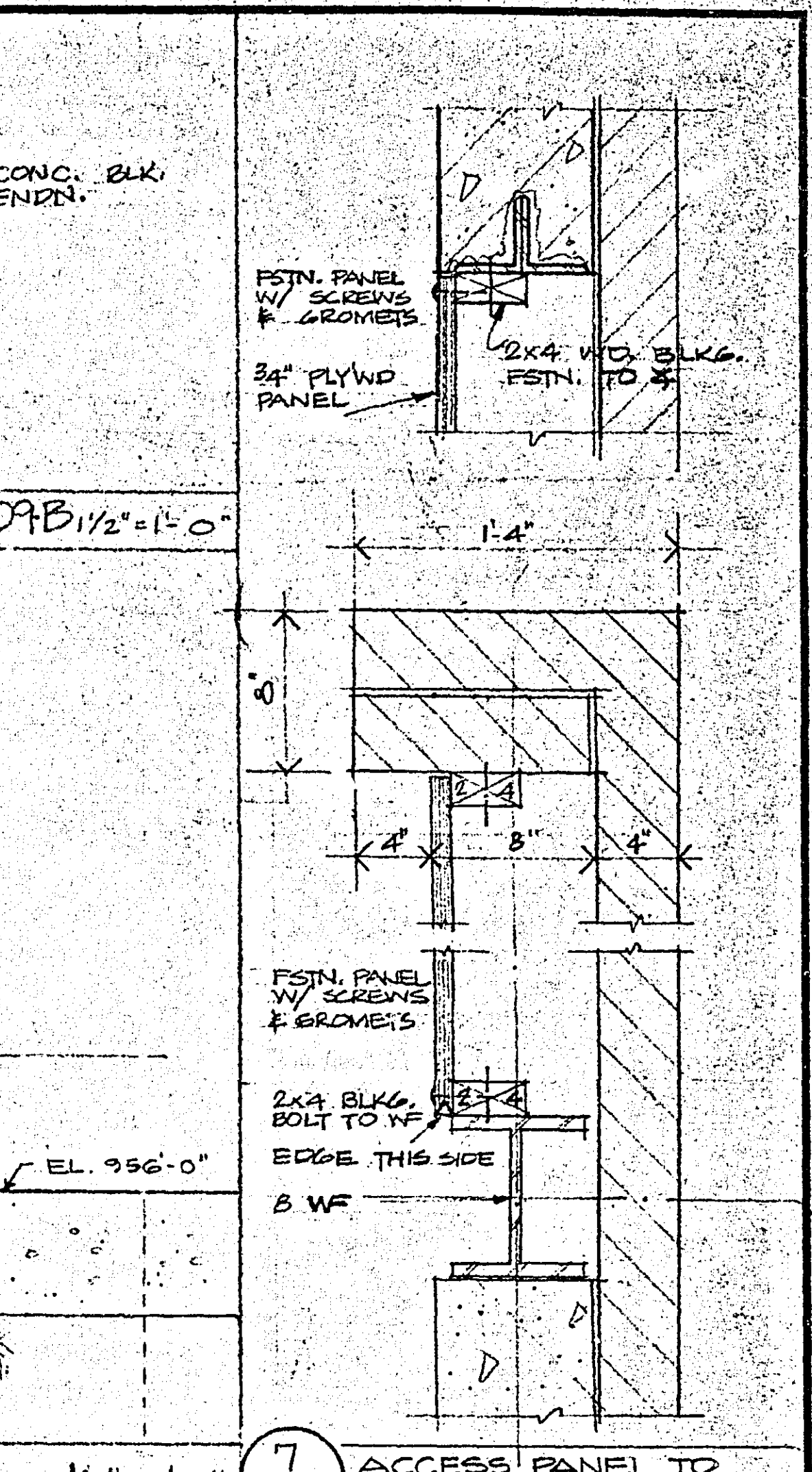
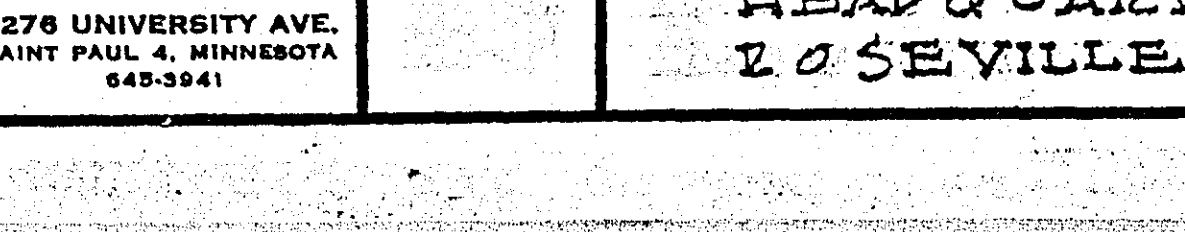
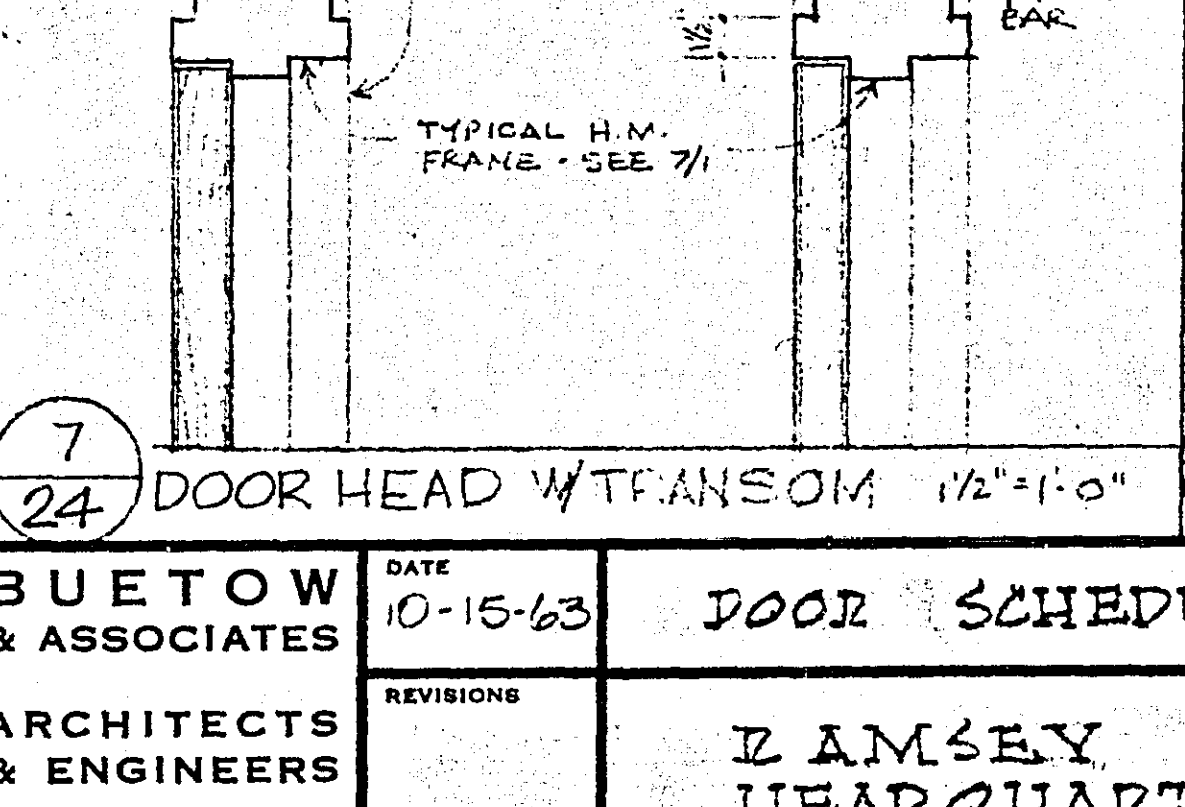
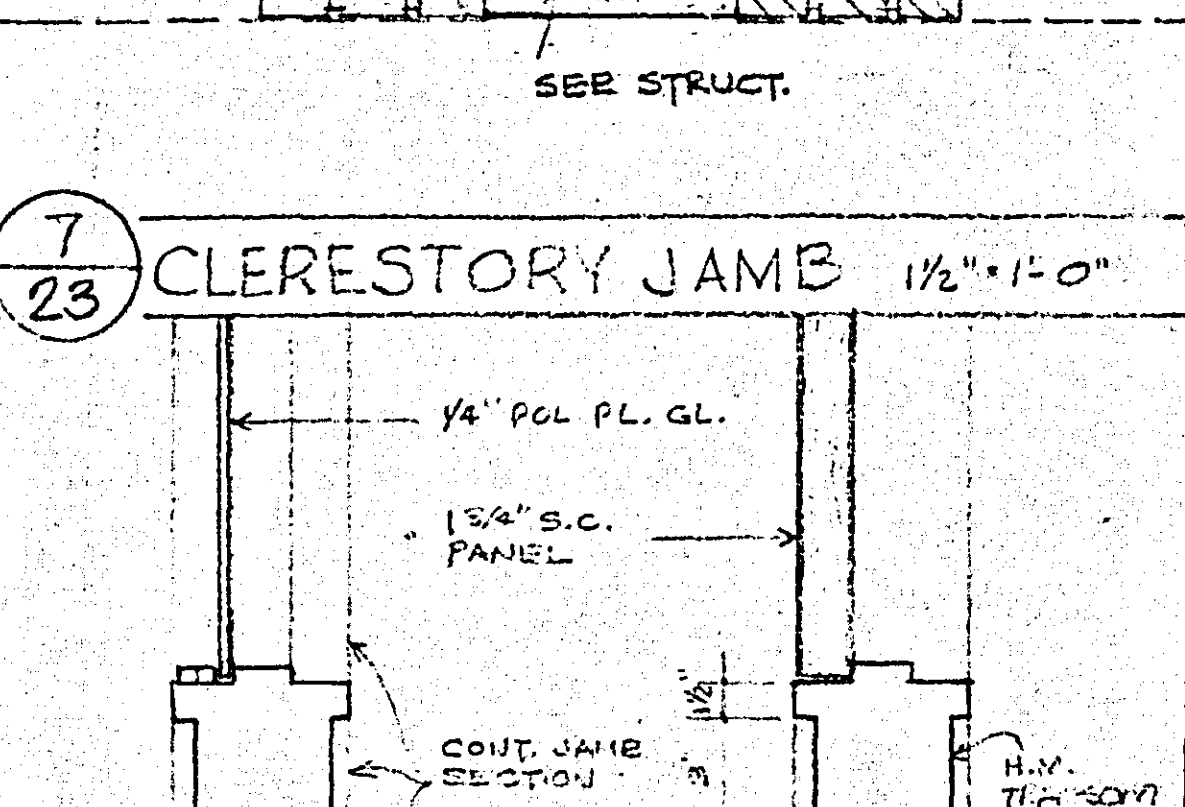
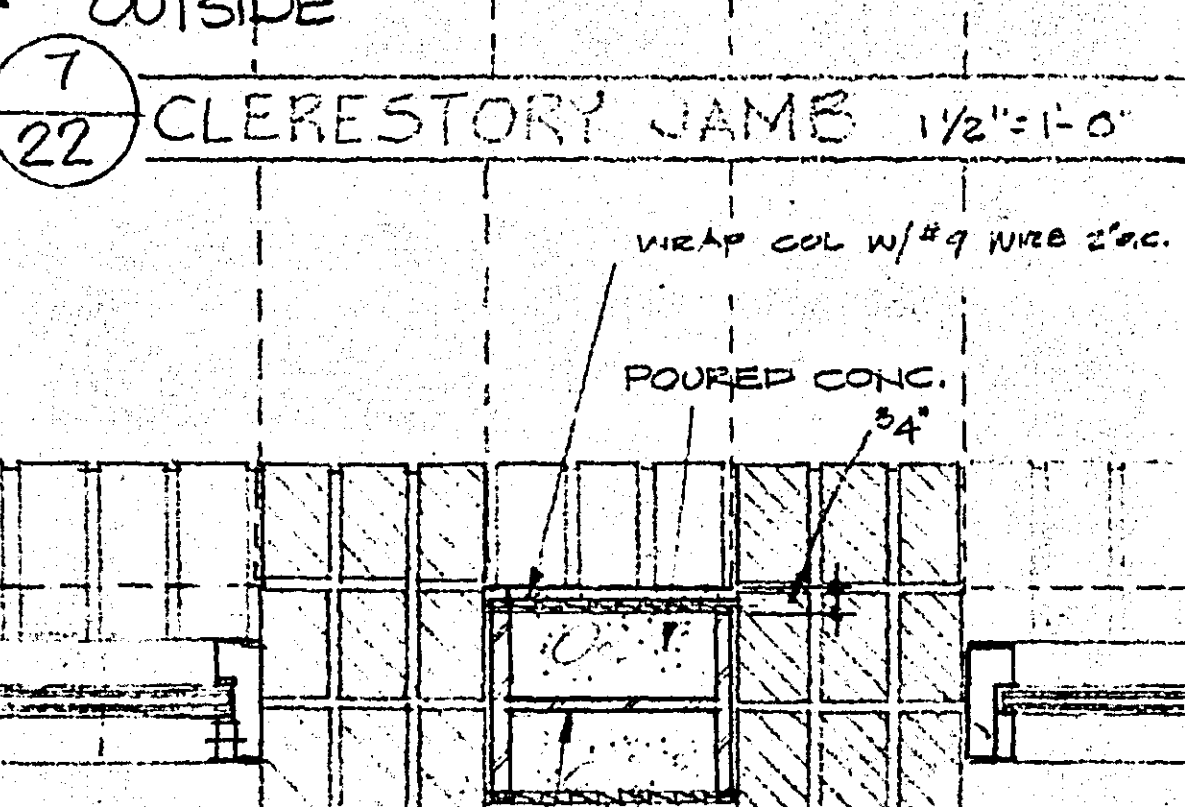
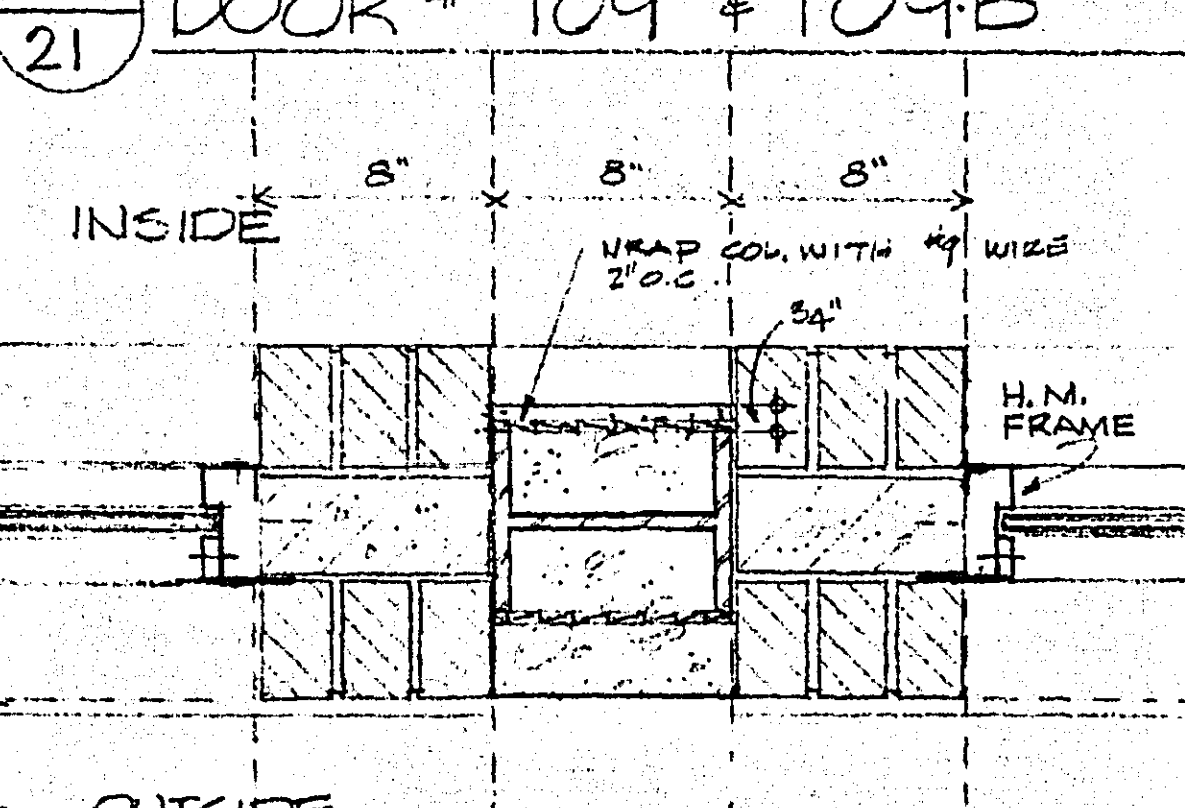
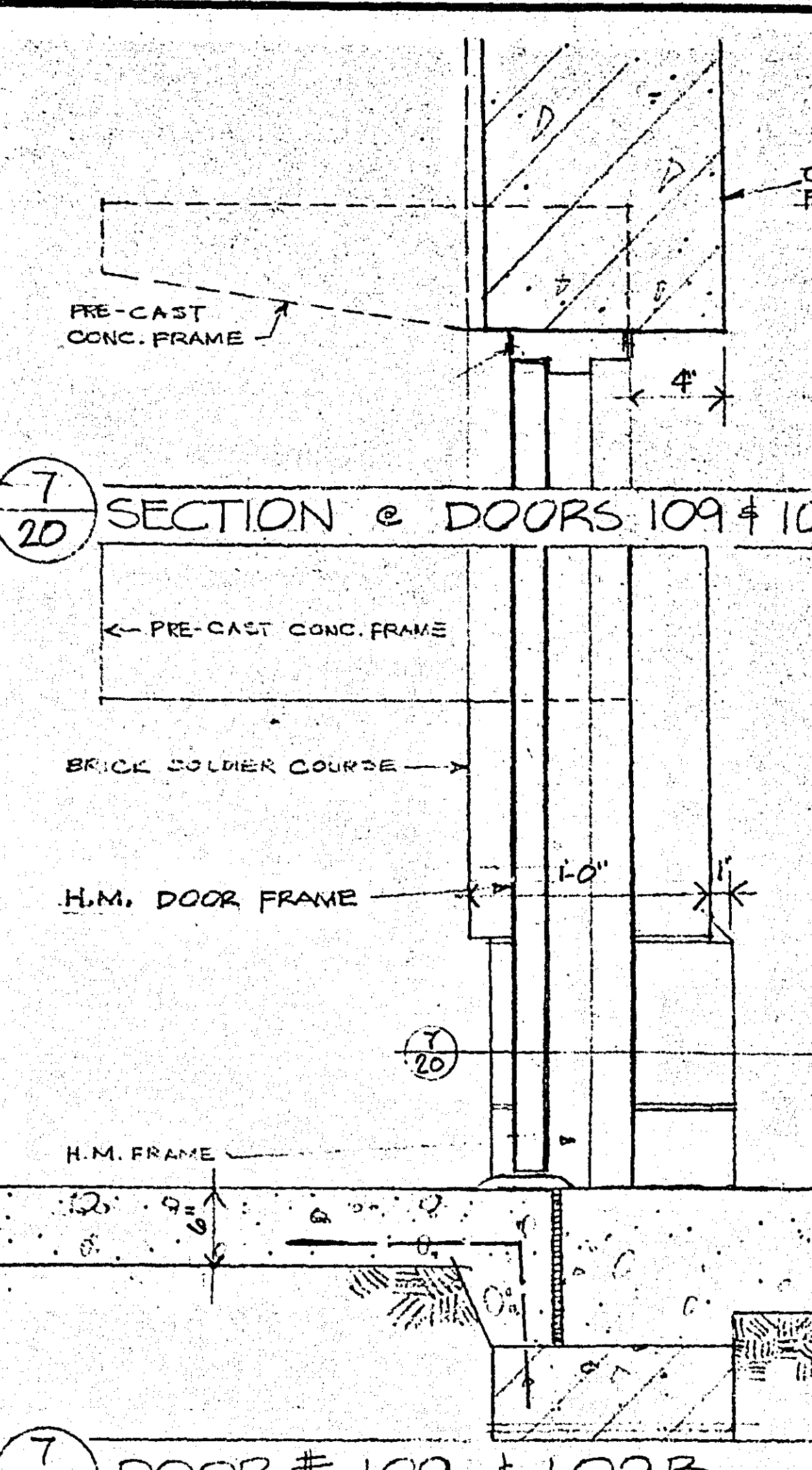
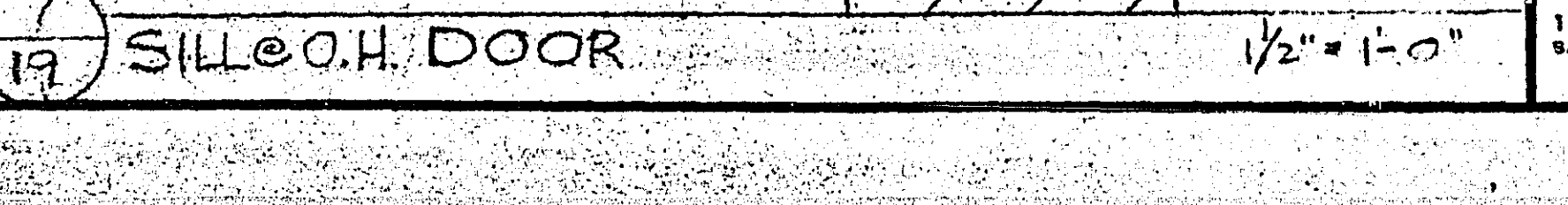
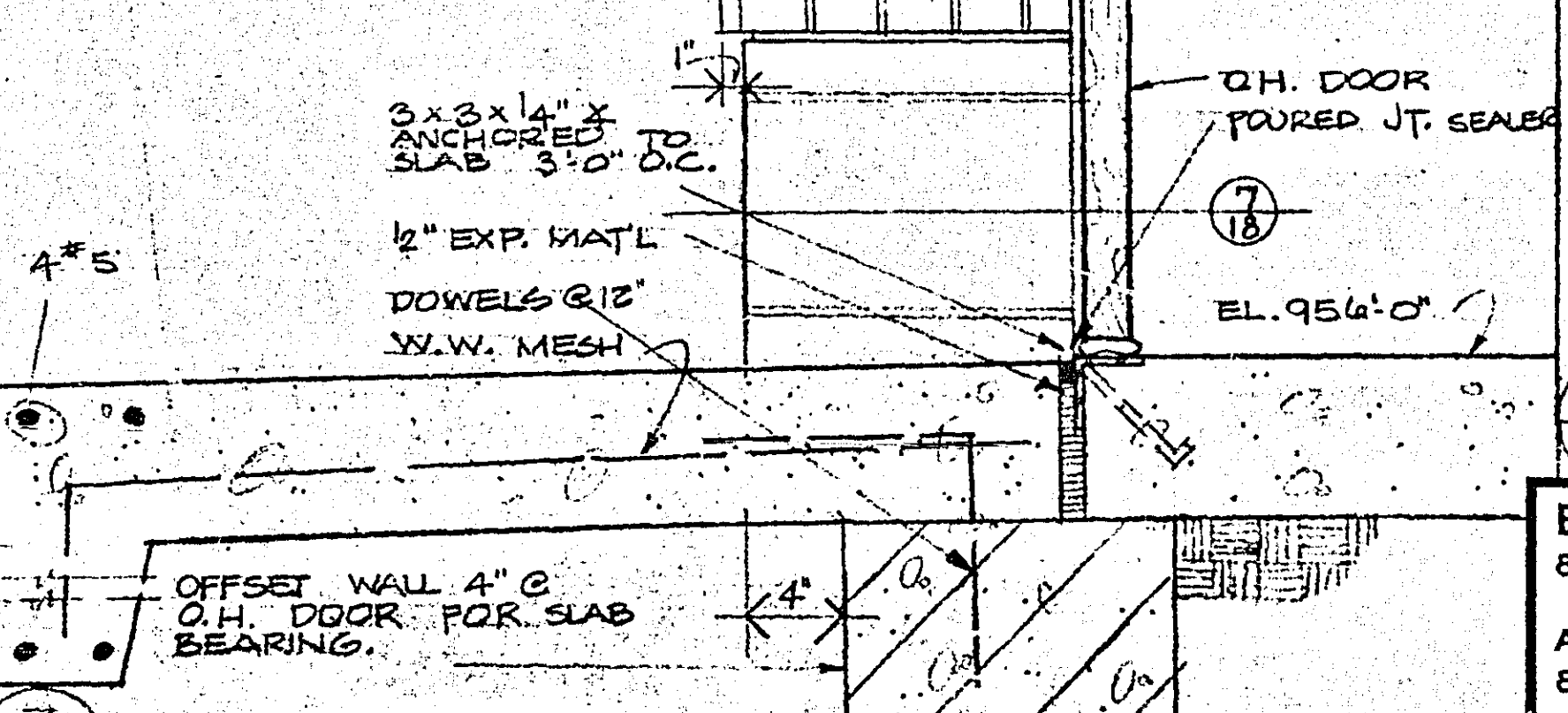
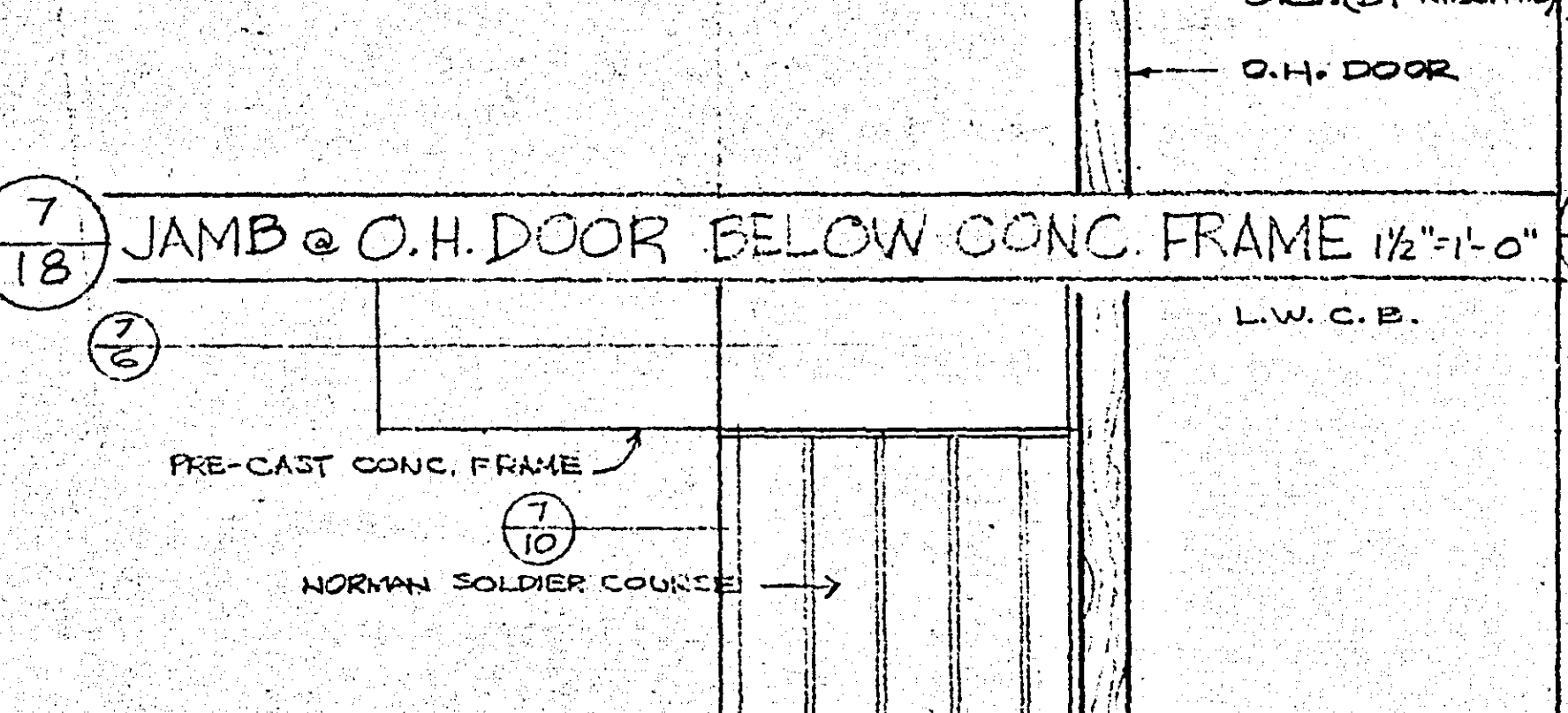
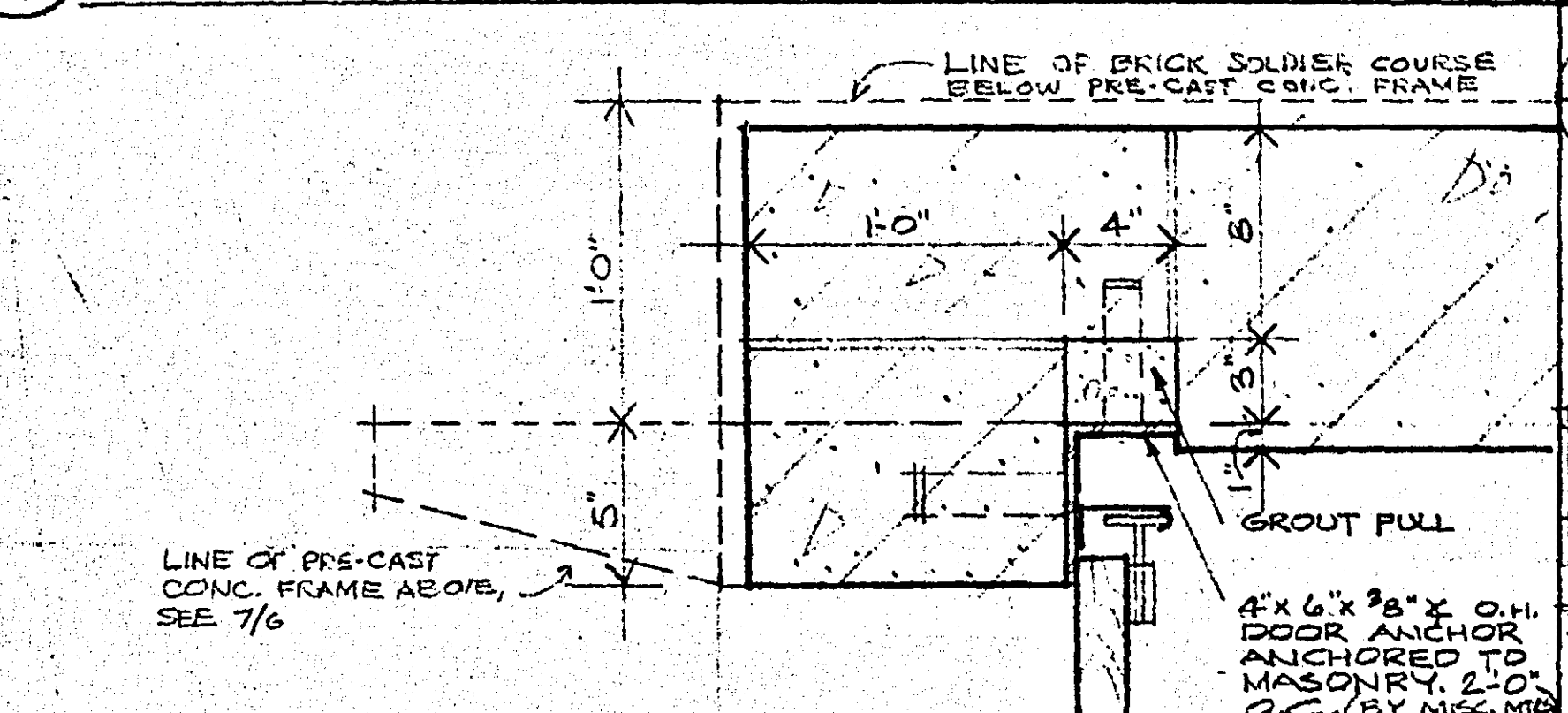
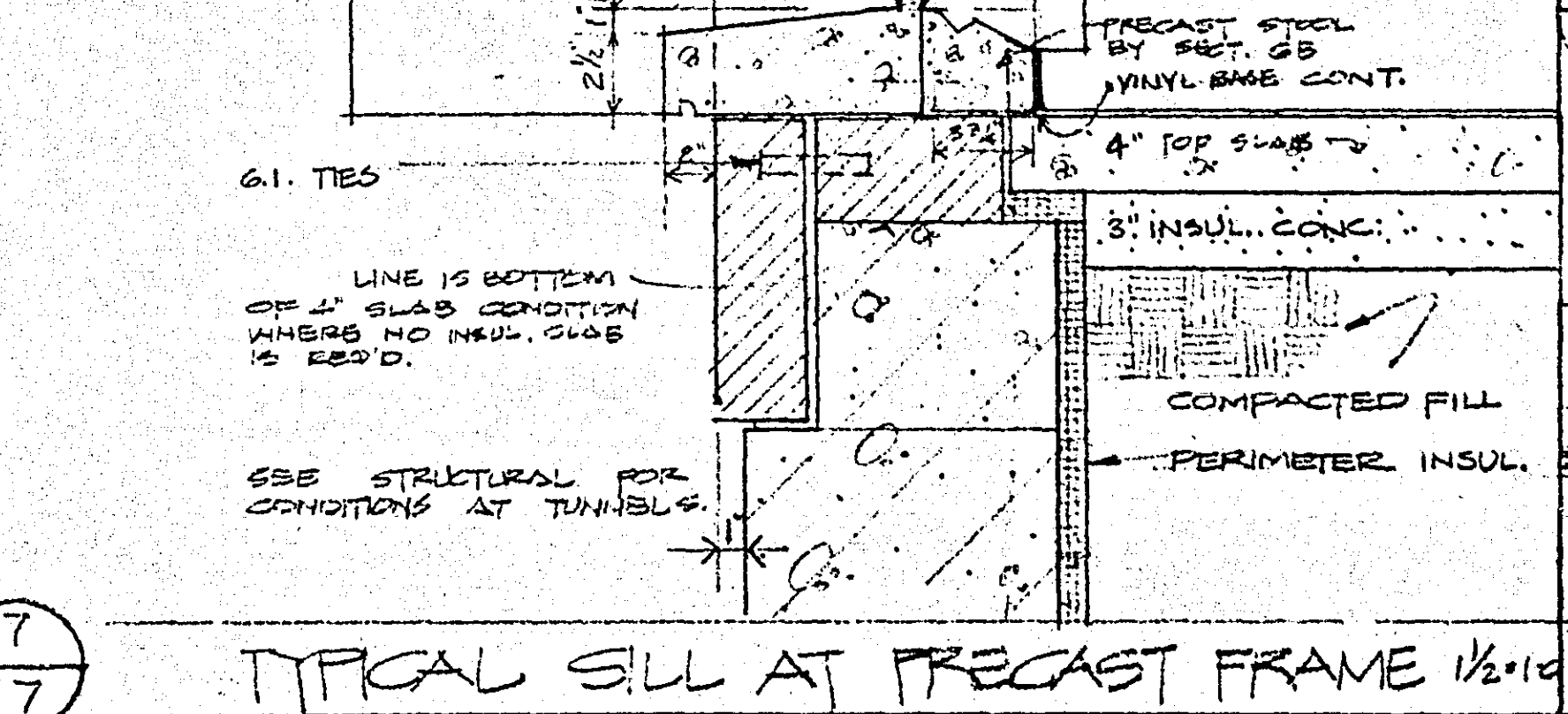
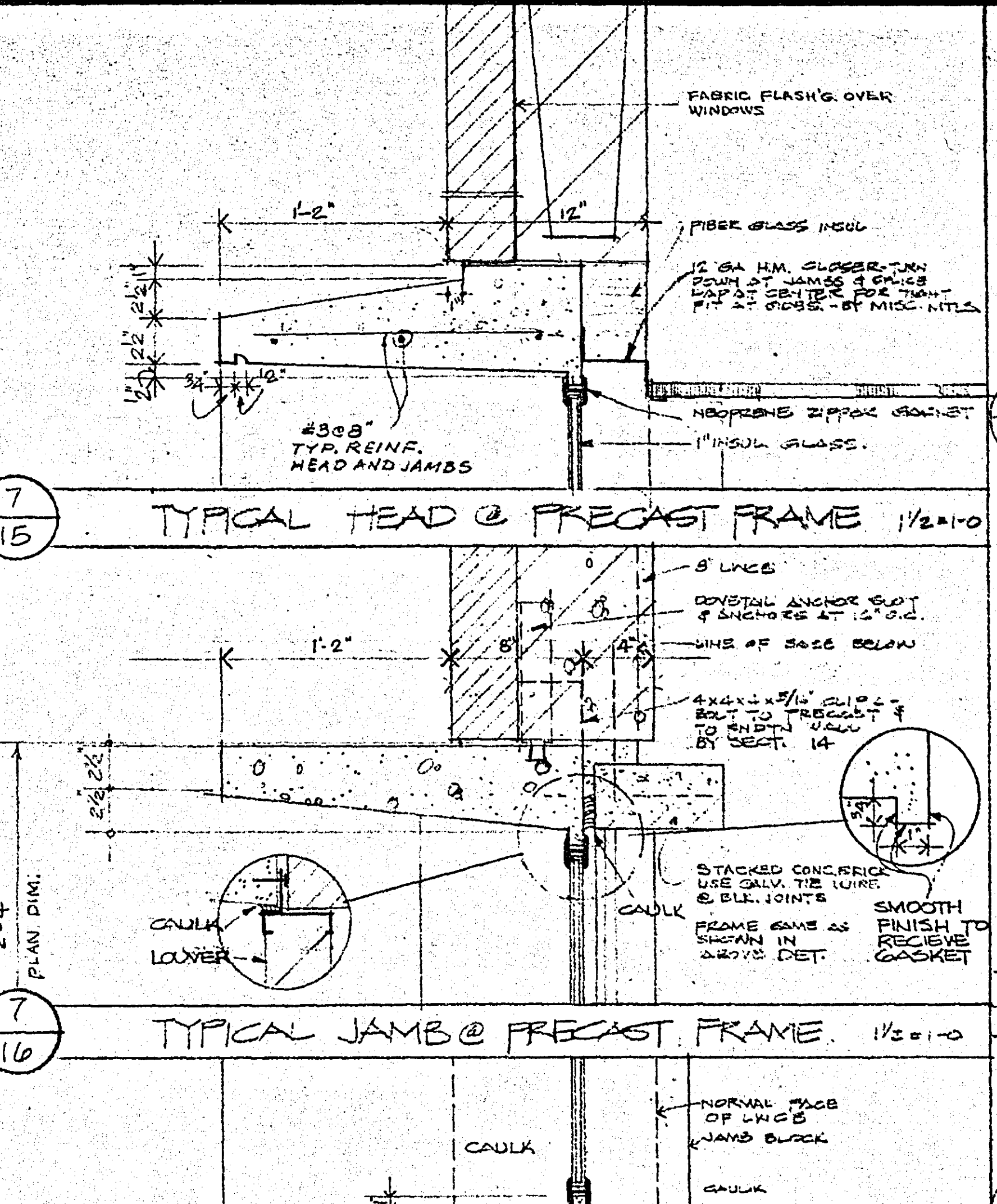
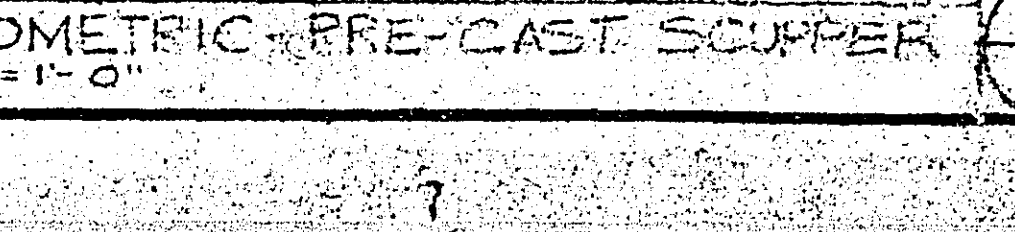
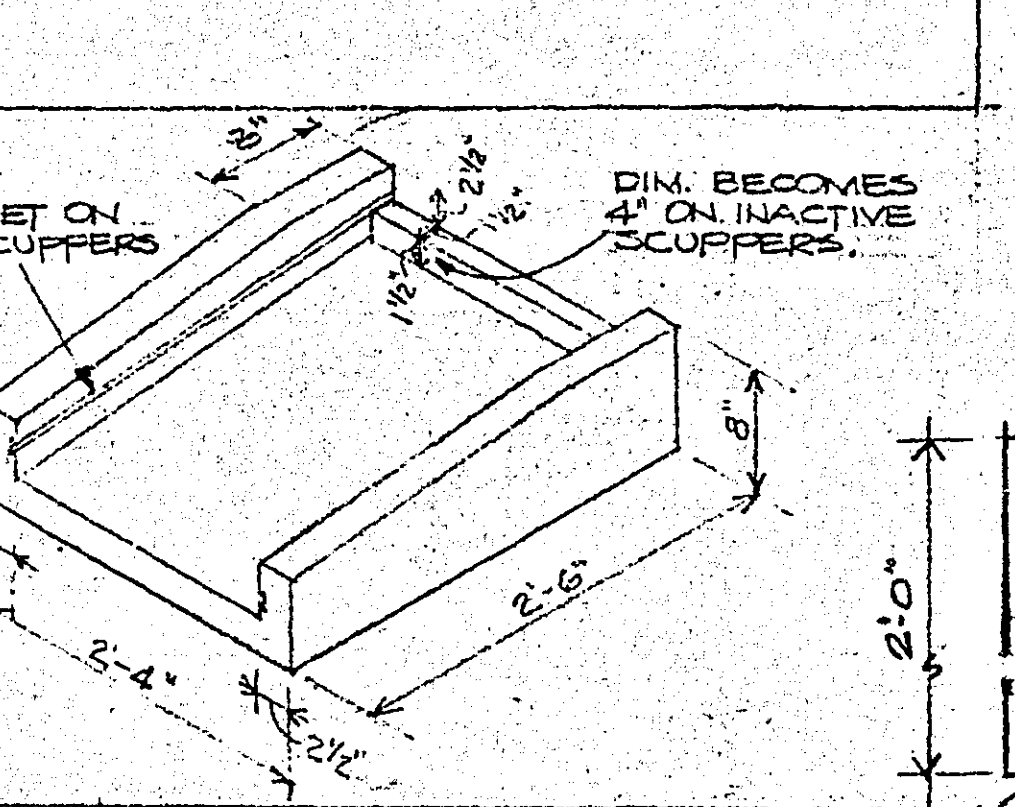
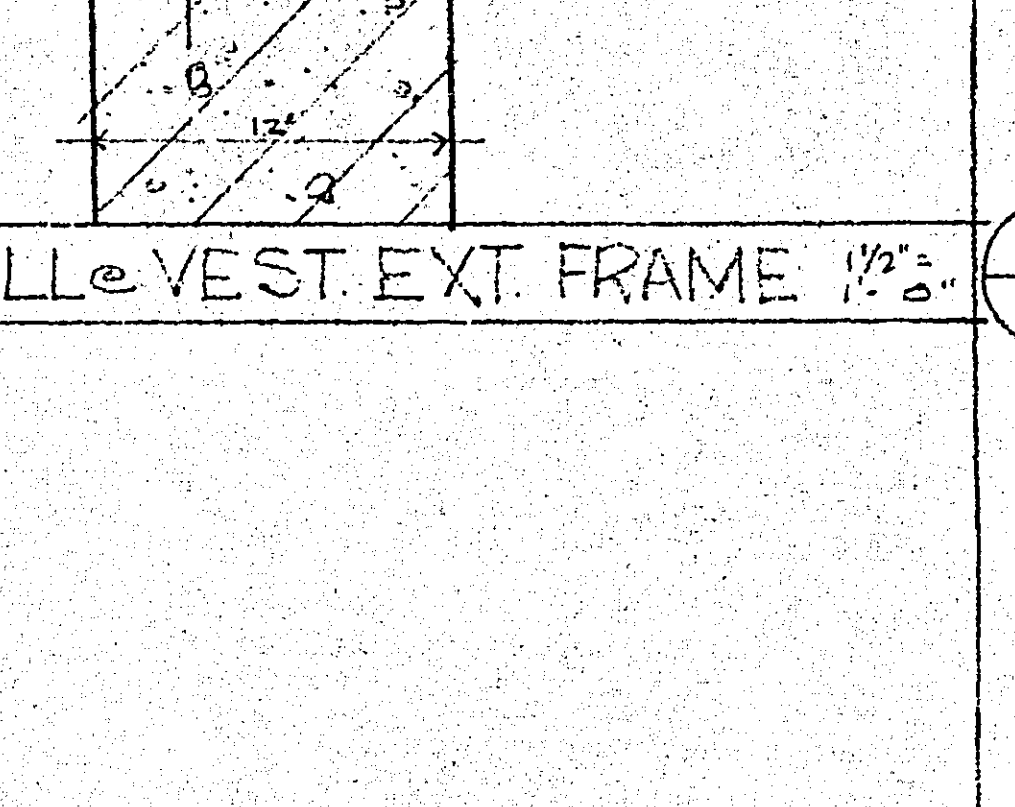
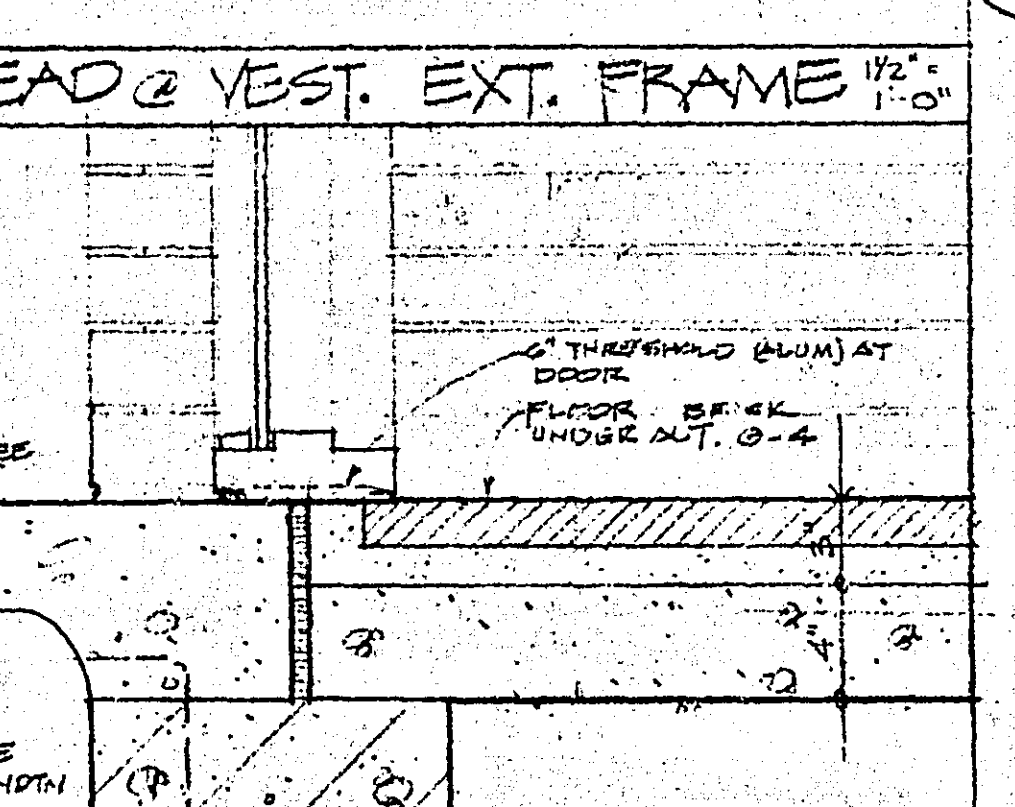
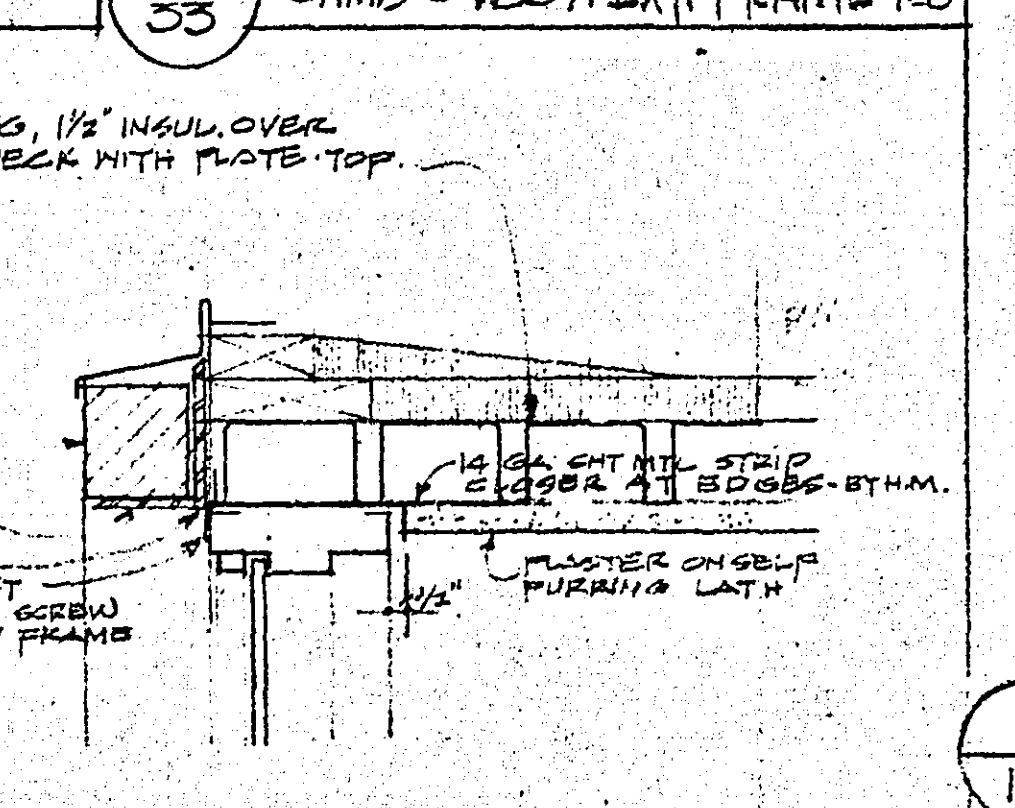
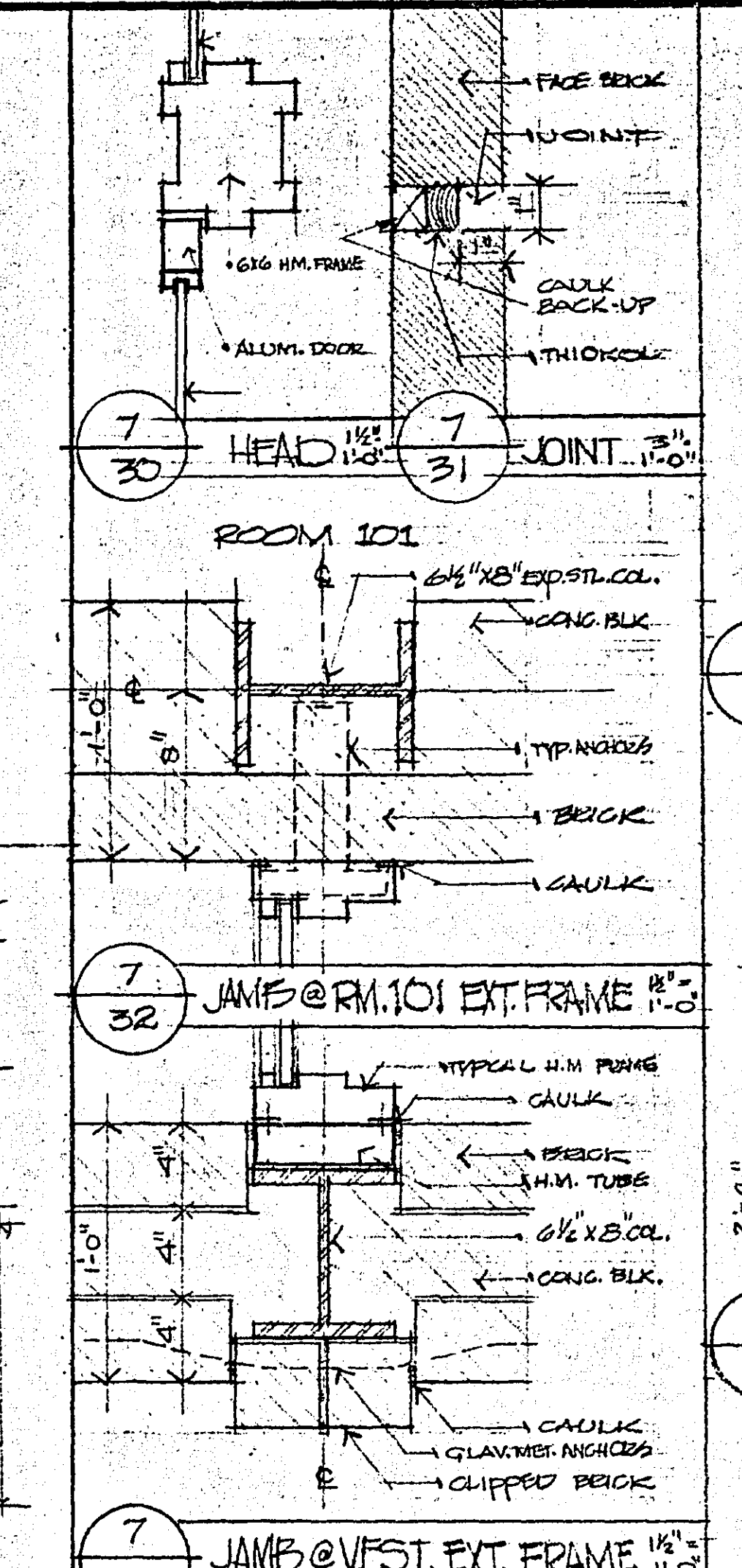
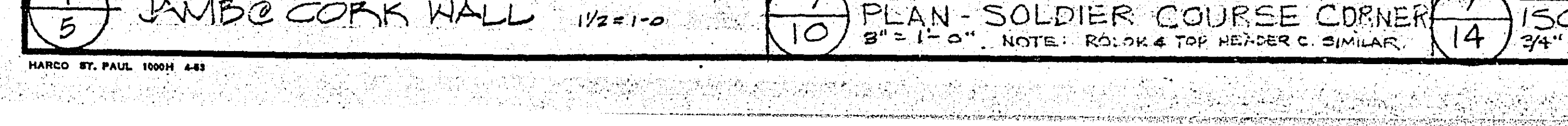
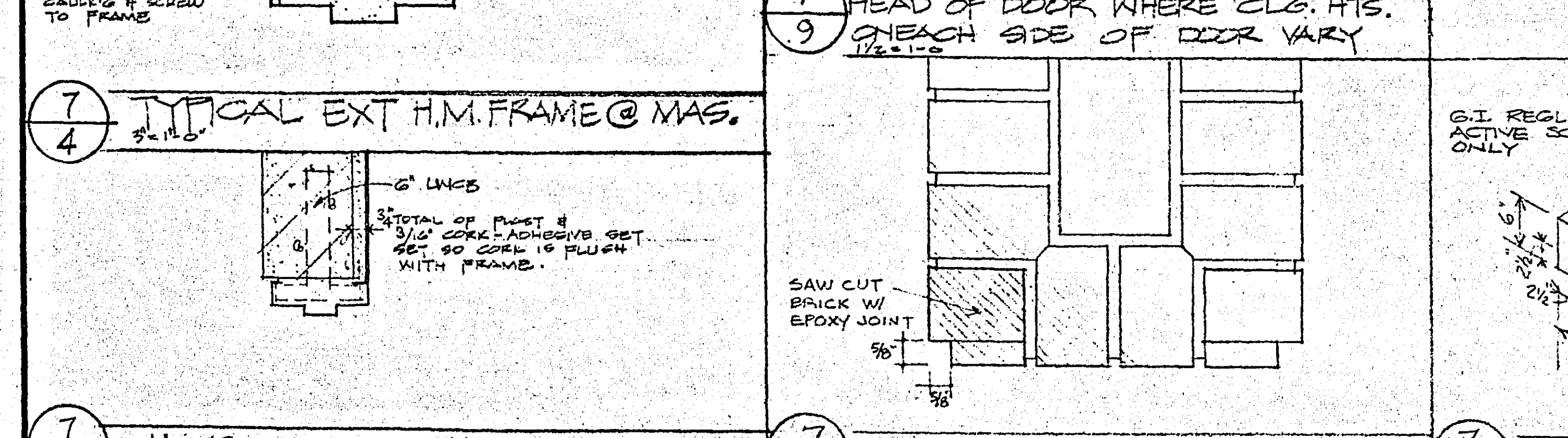
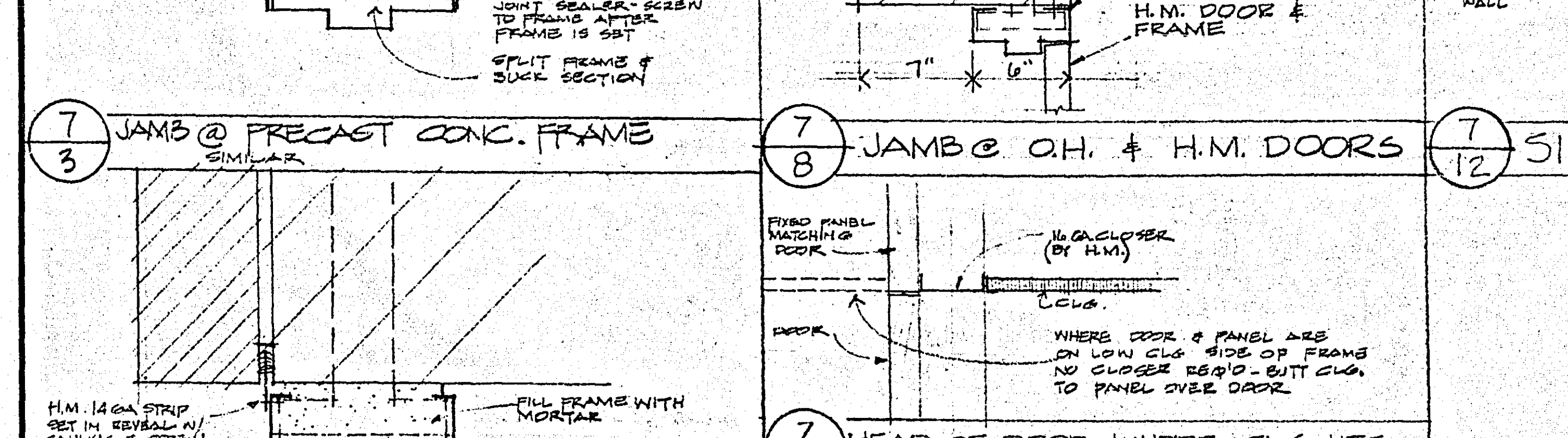
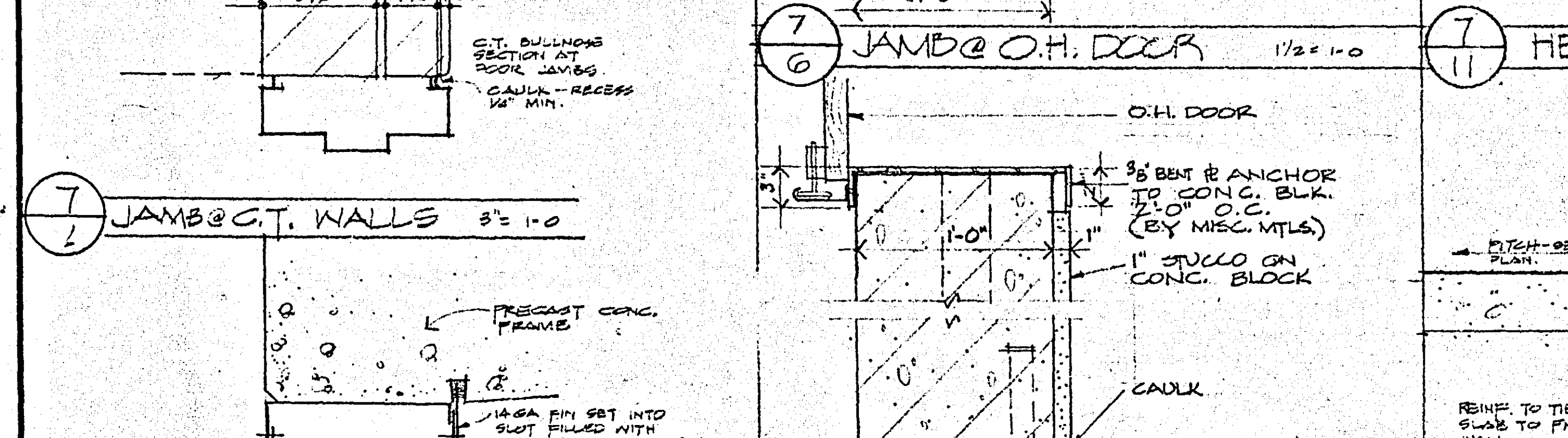
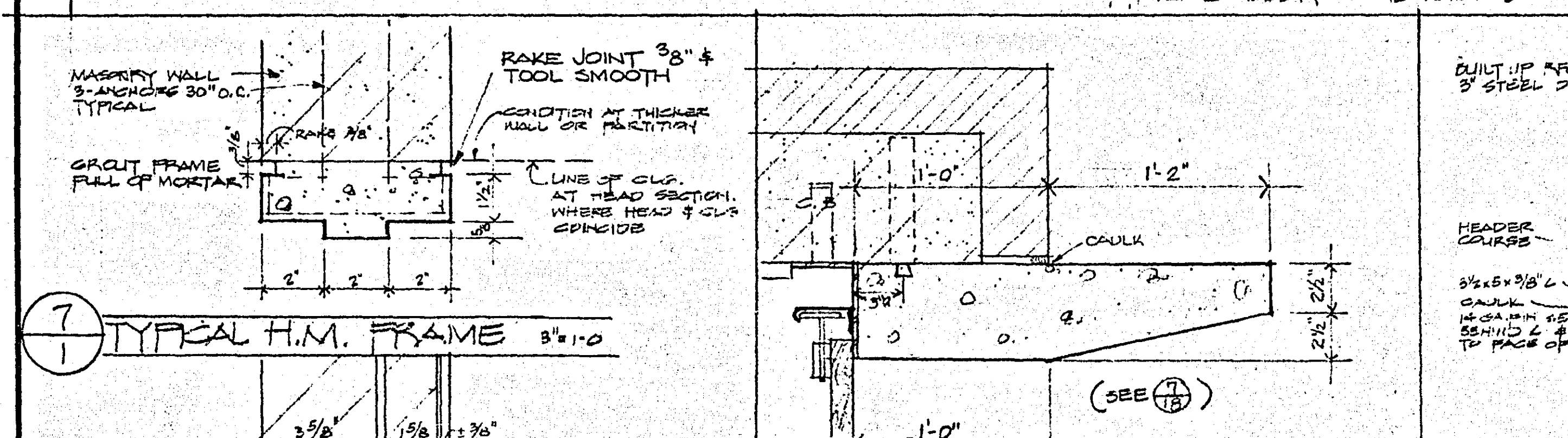
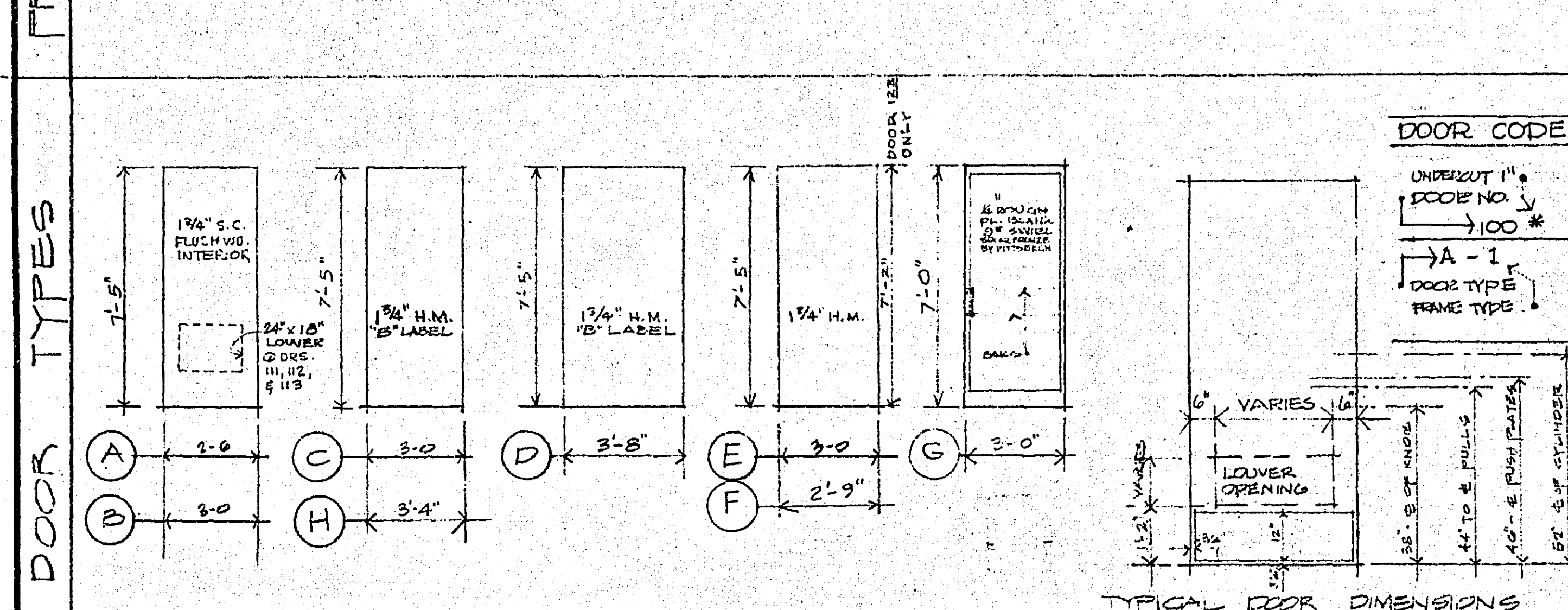
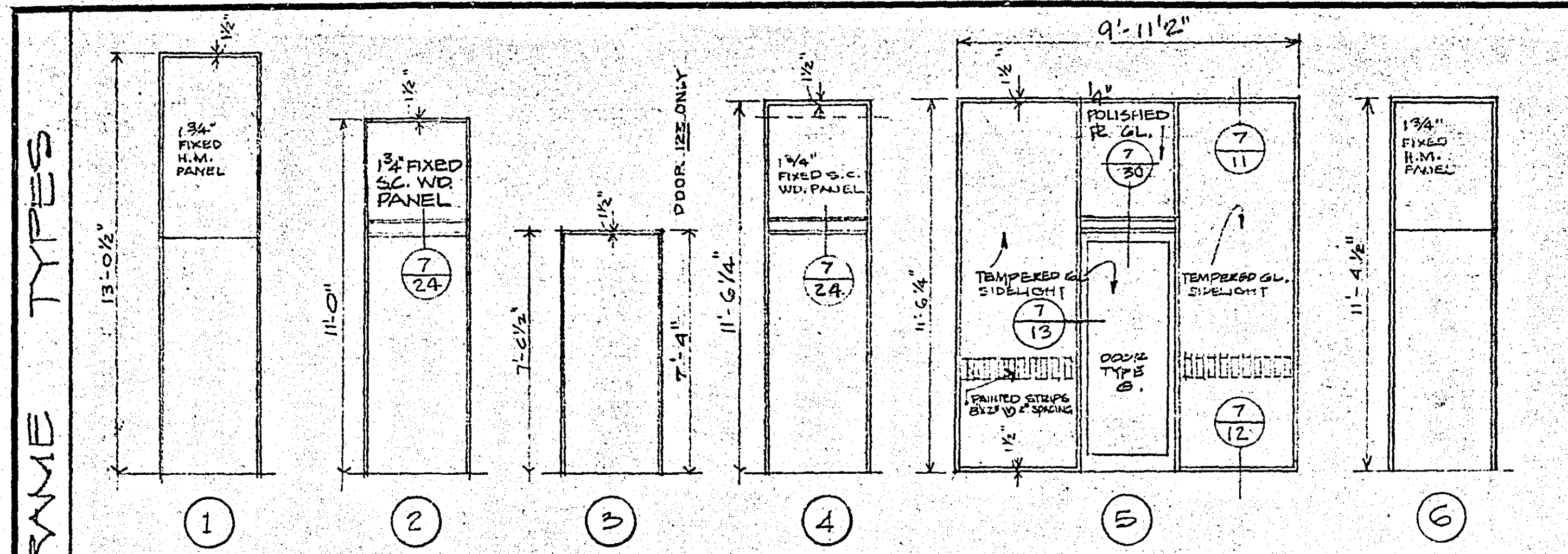
6/23 COUNTER DRAWER JAMB
3\"/>



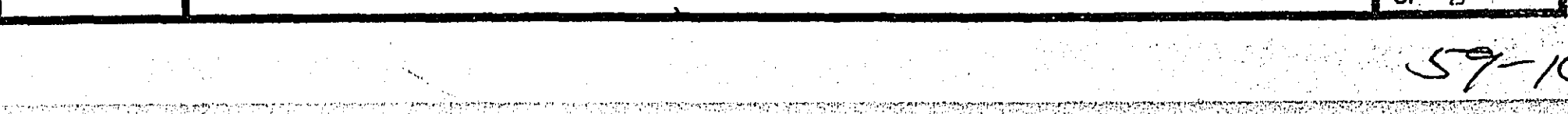
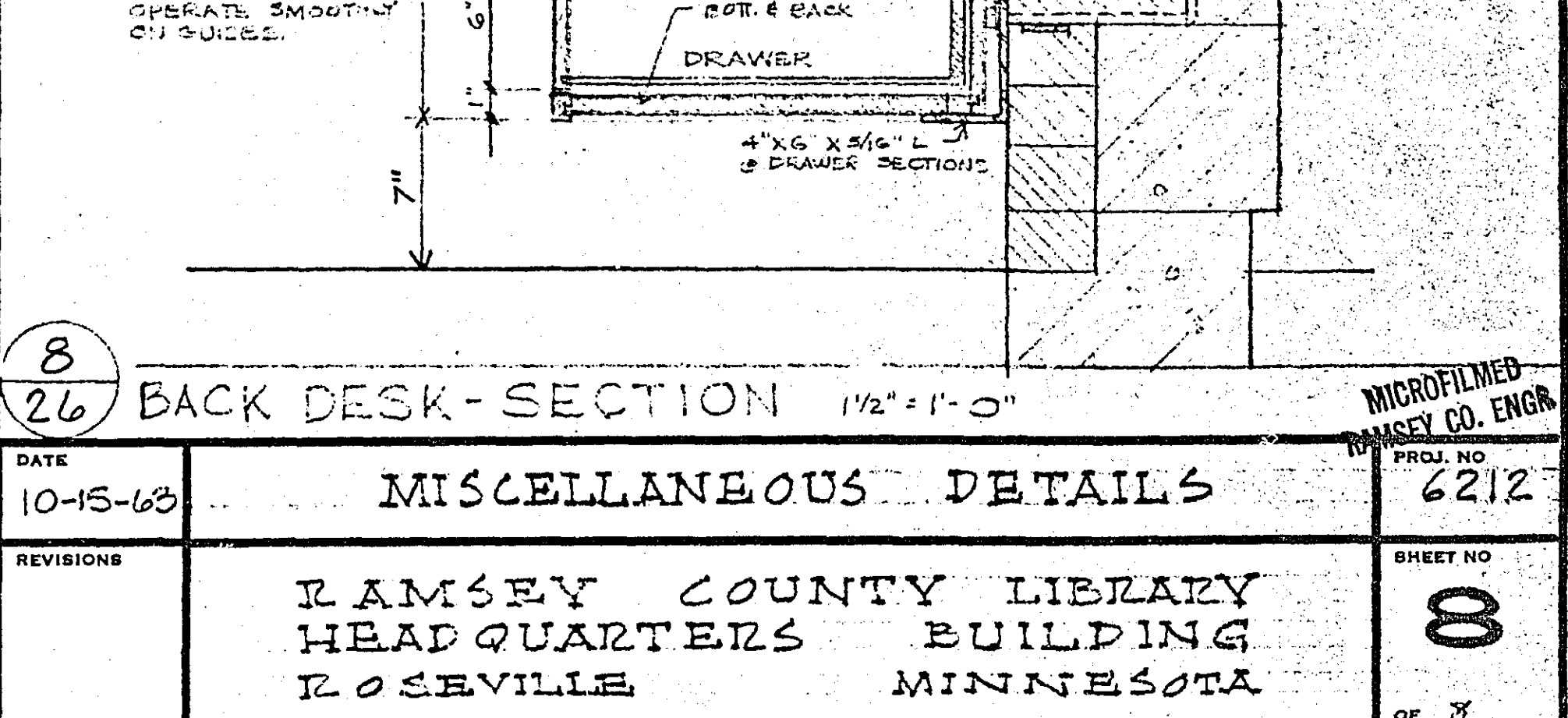
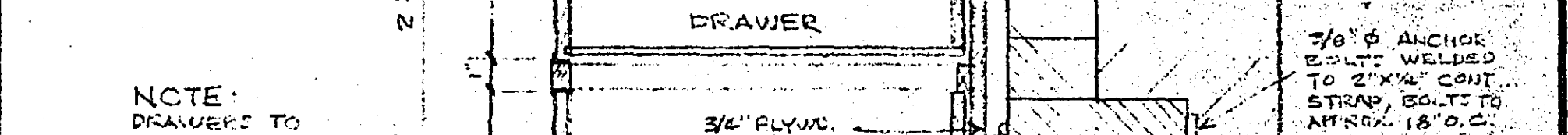
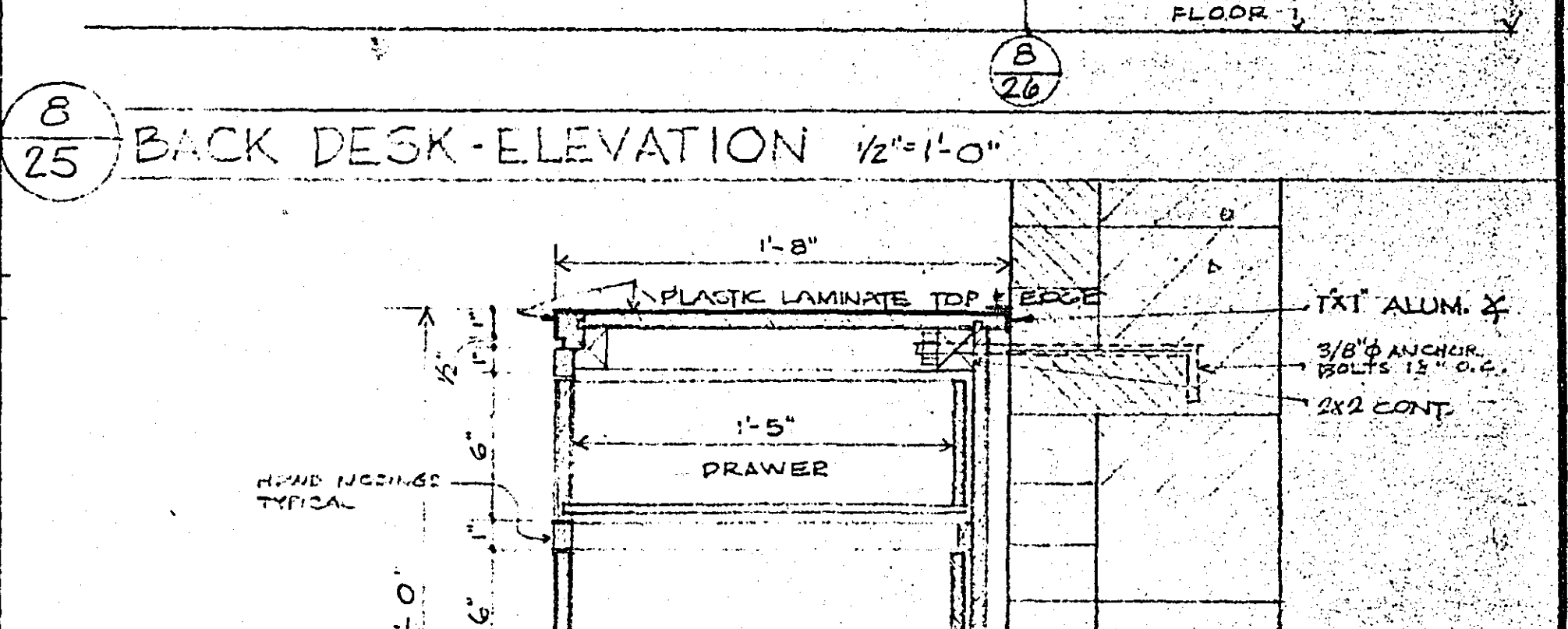
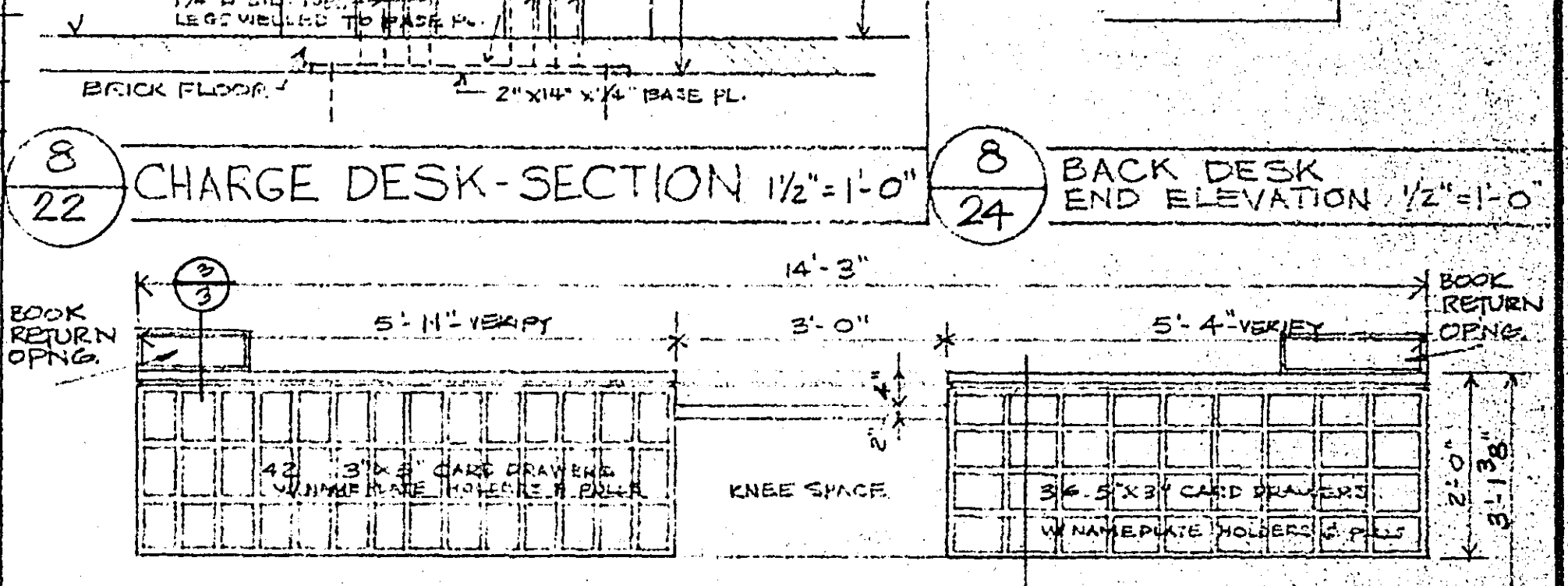
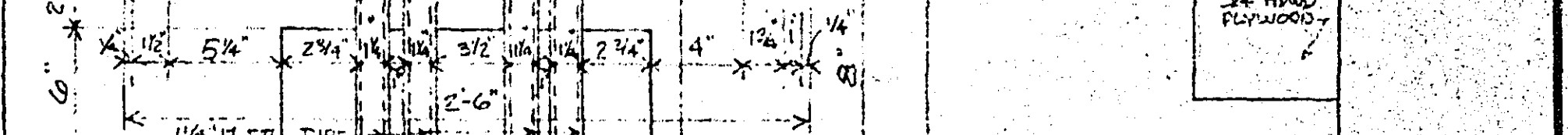
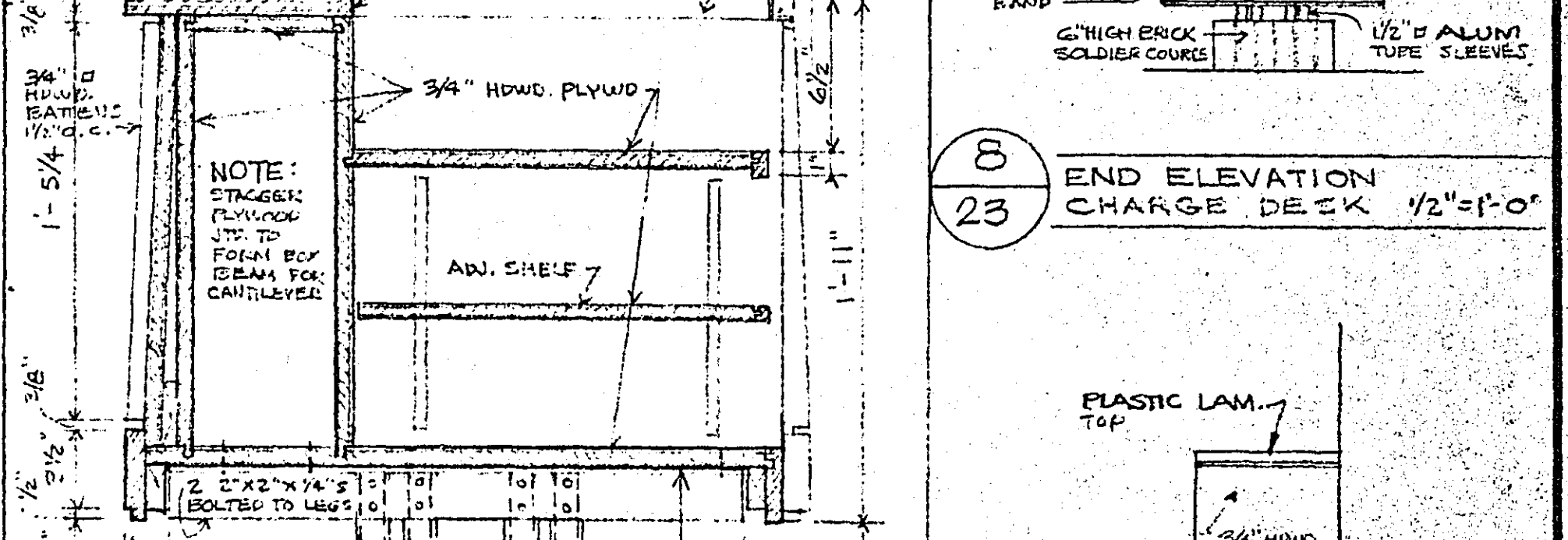
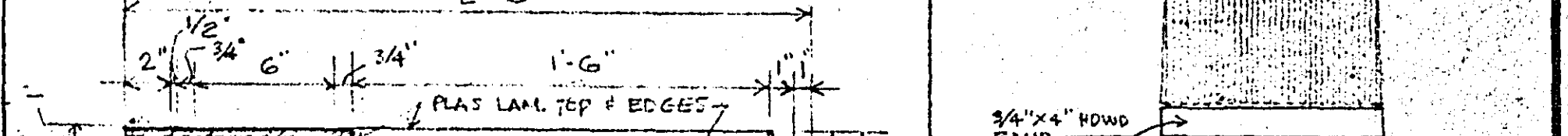
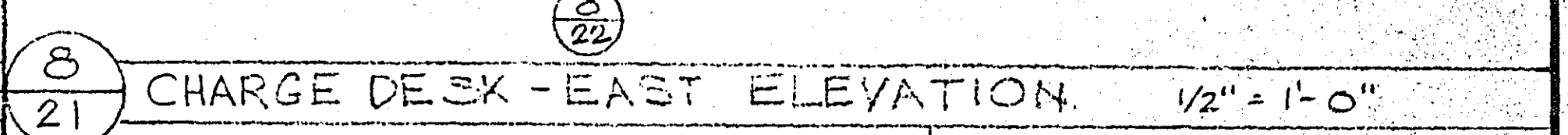
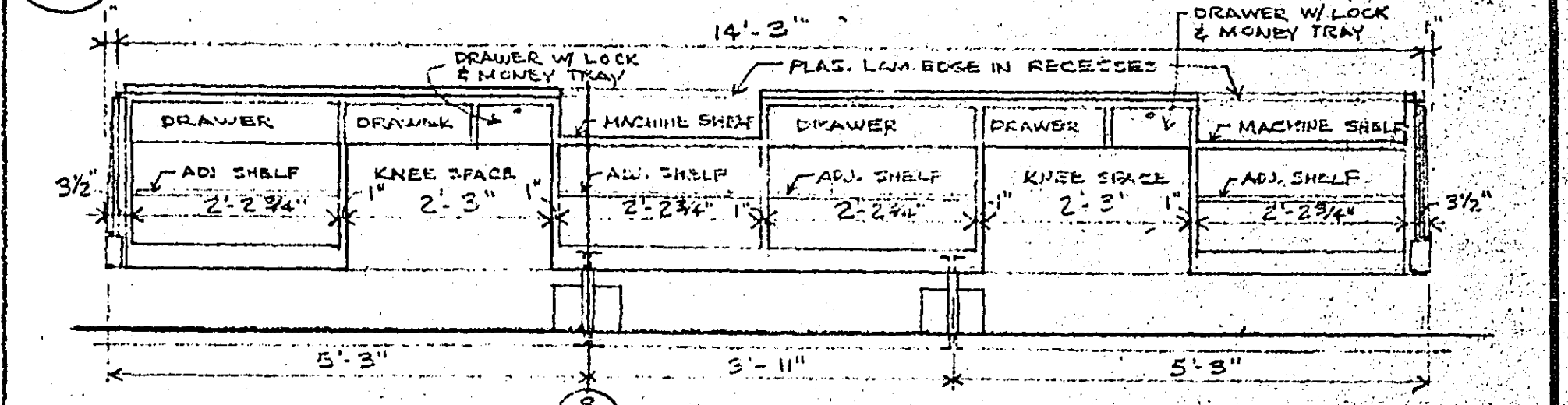
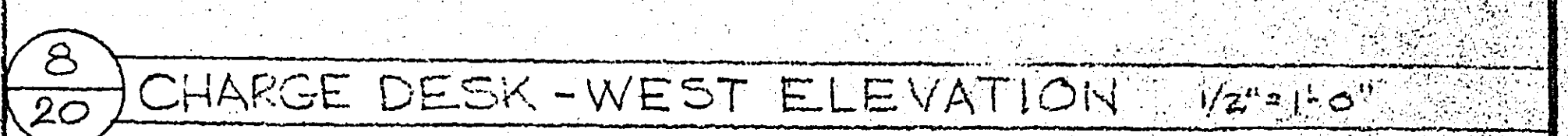
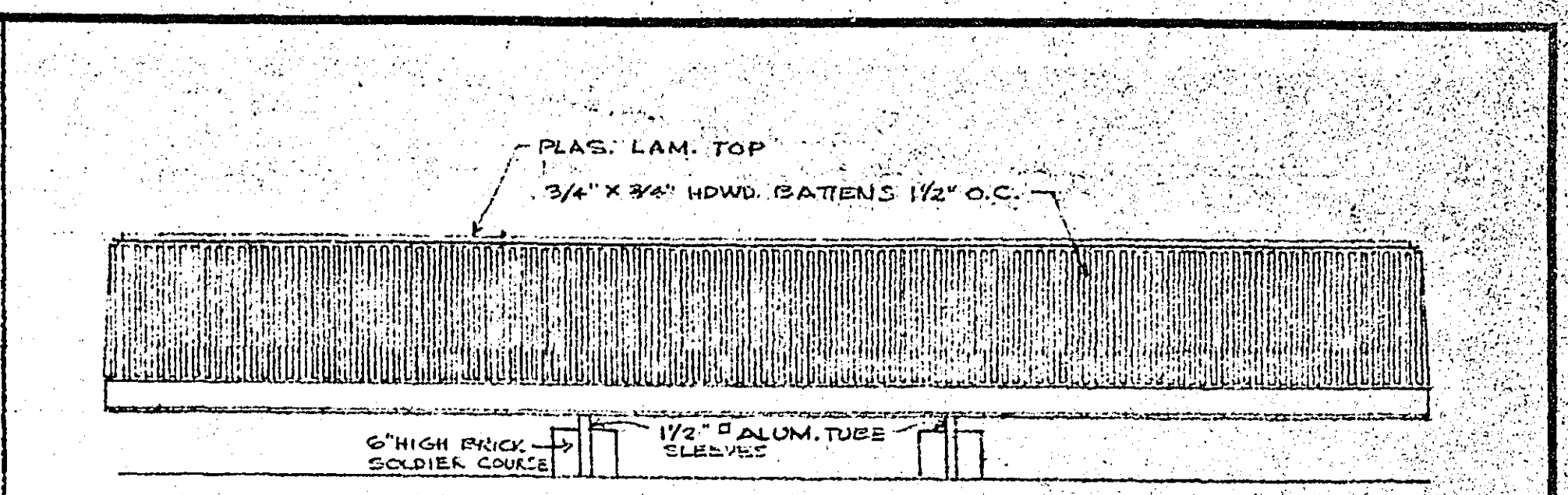
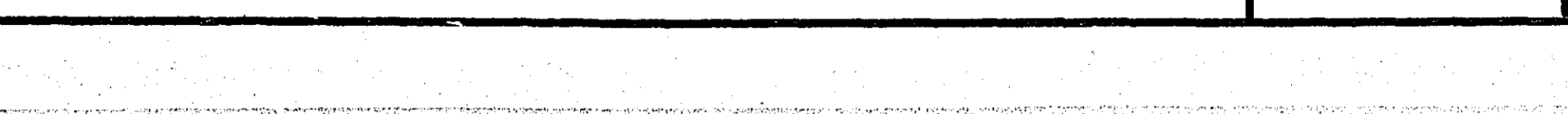
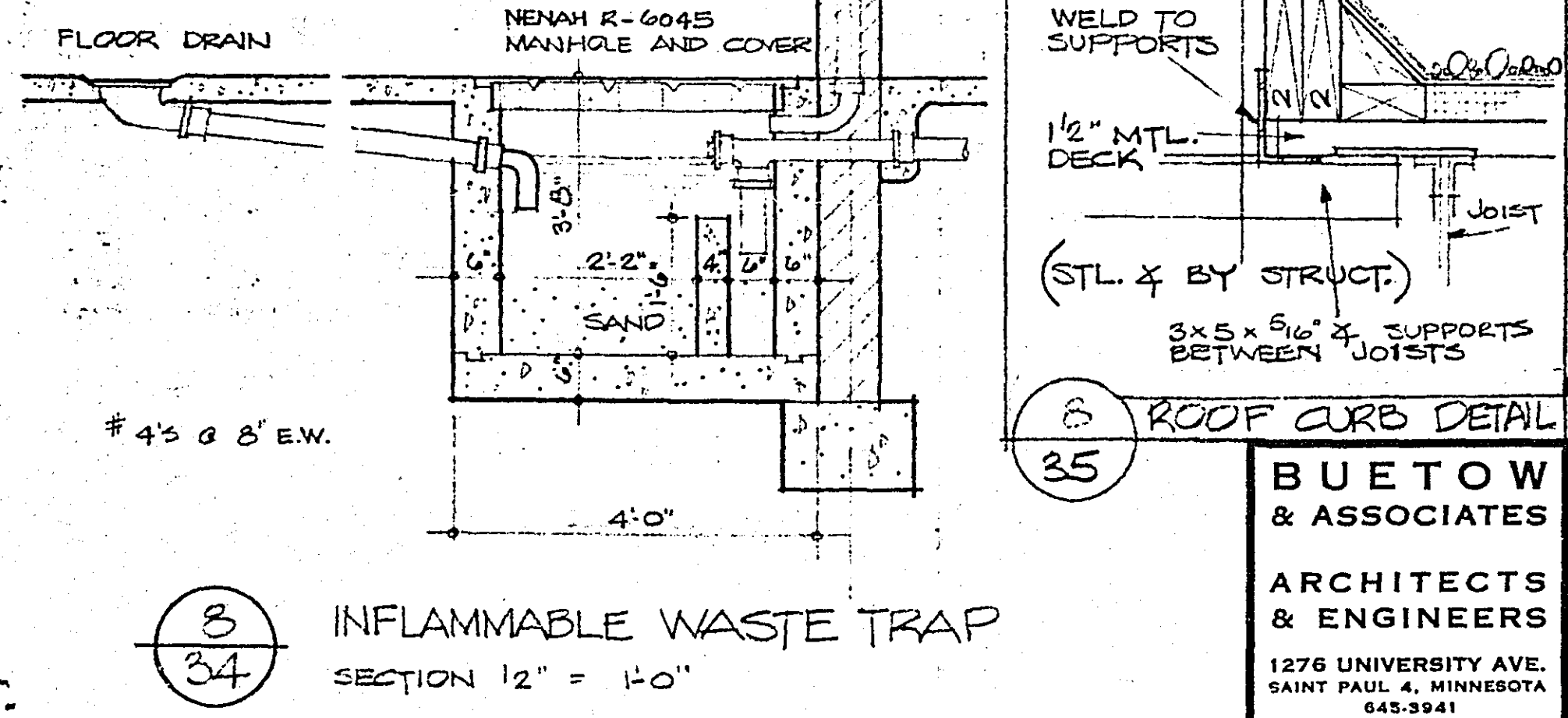
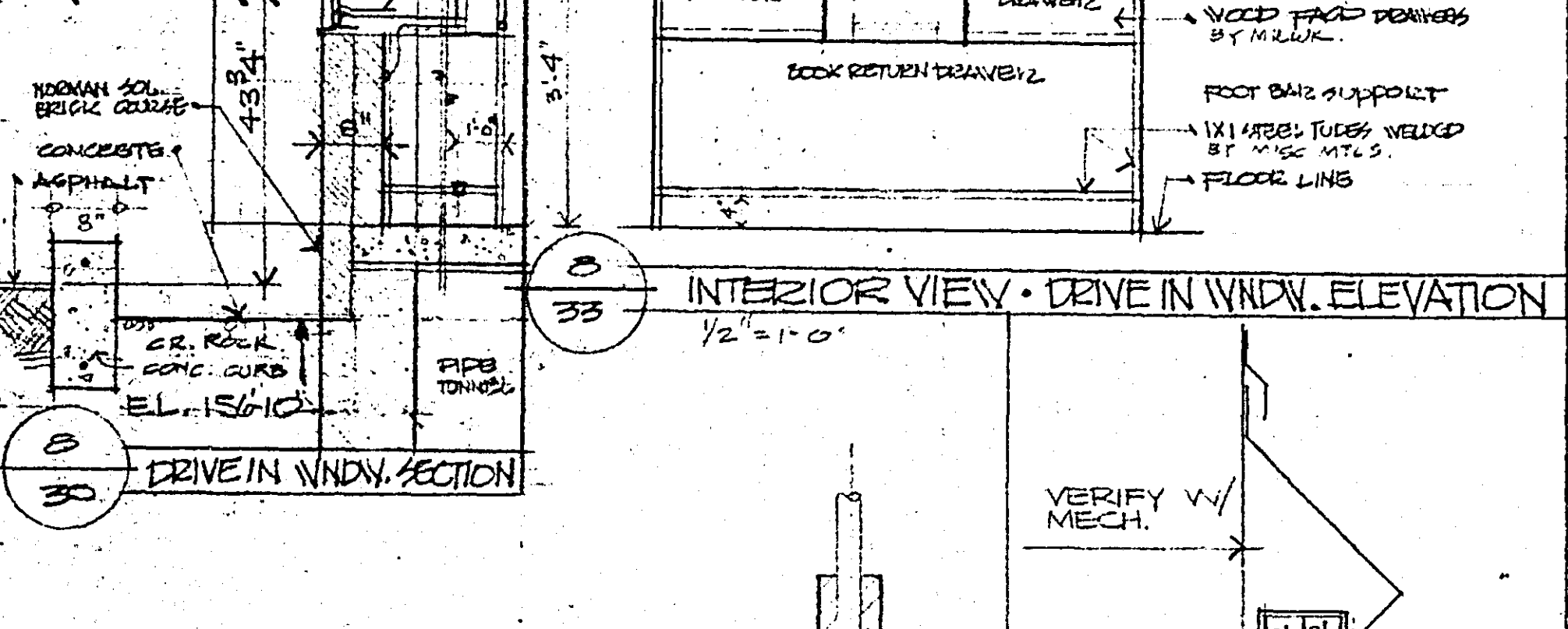
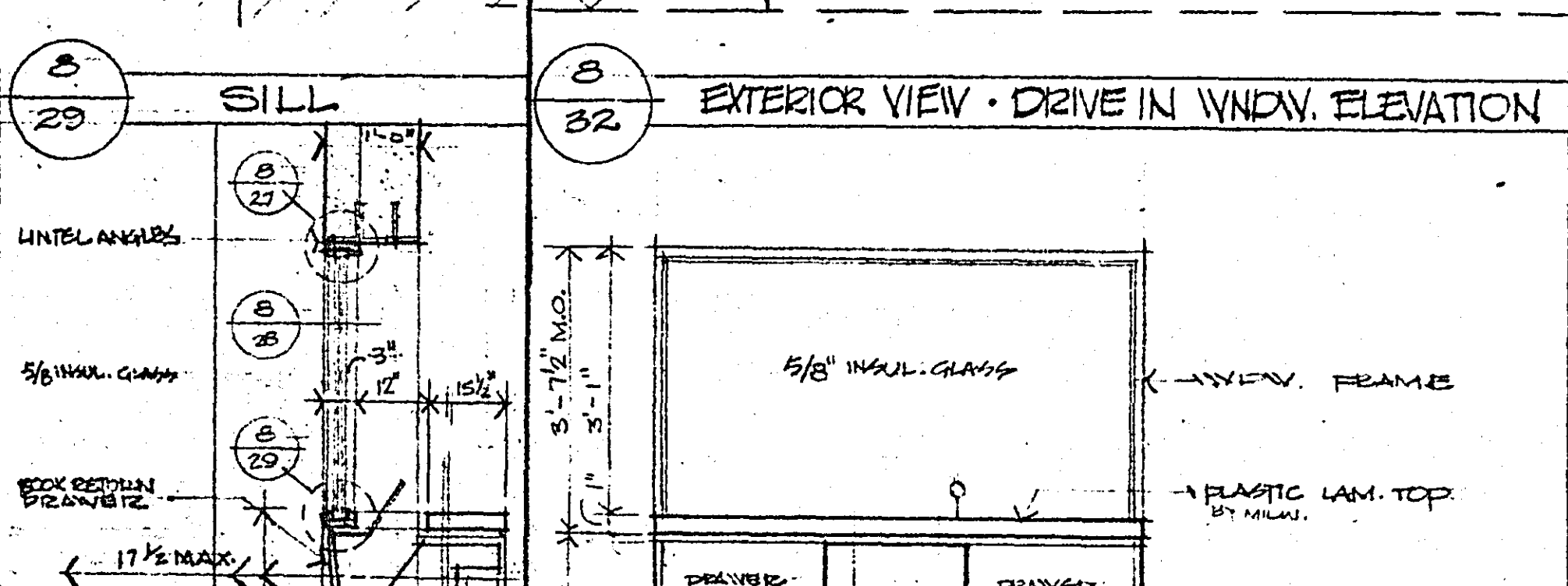
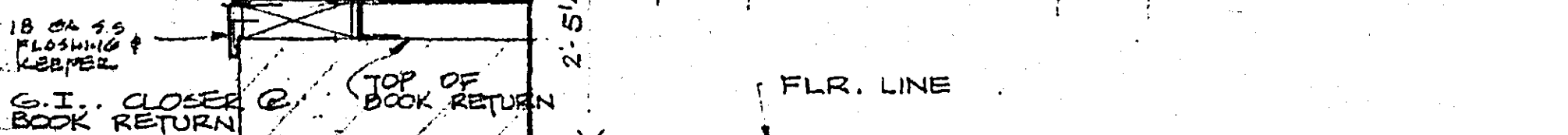
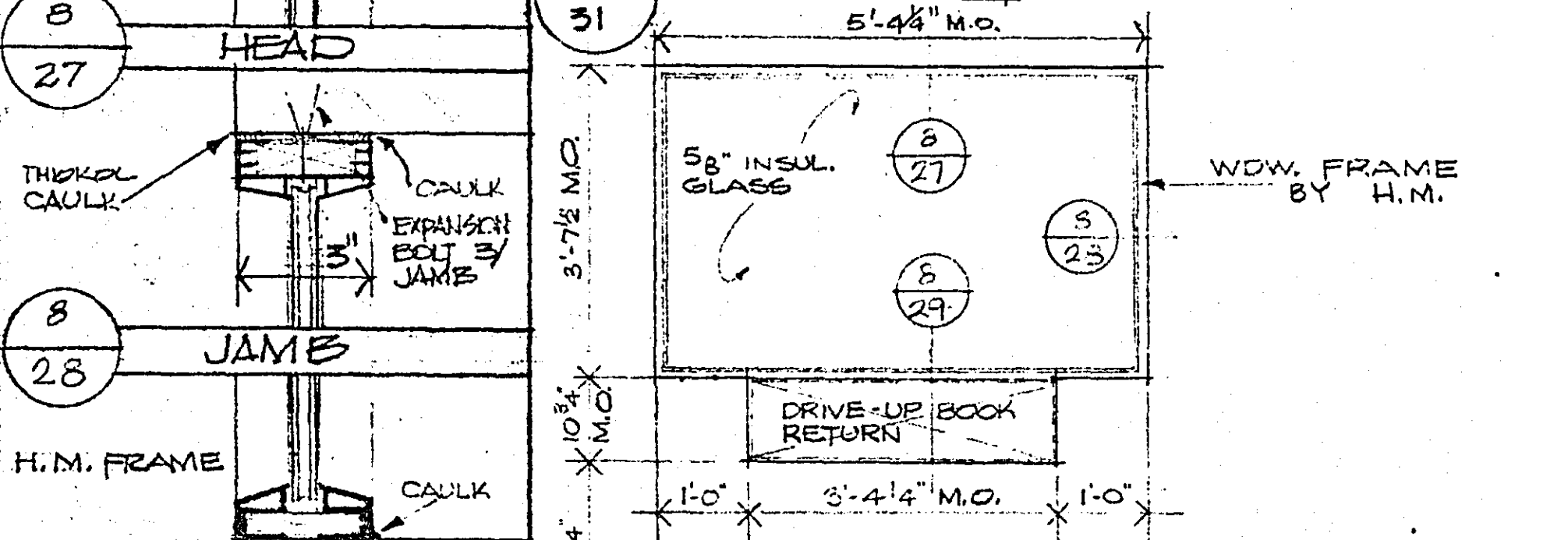
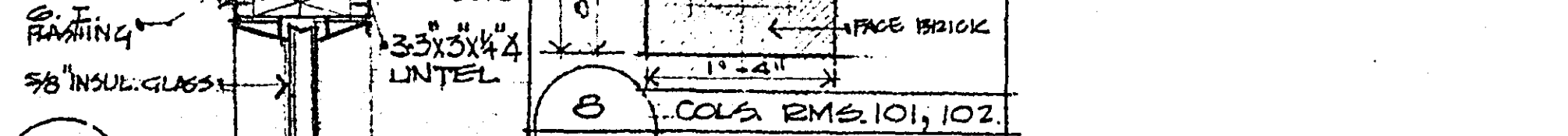
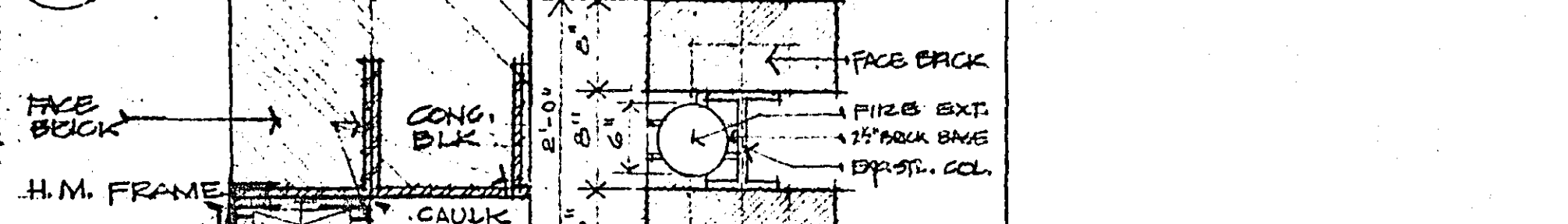
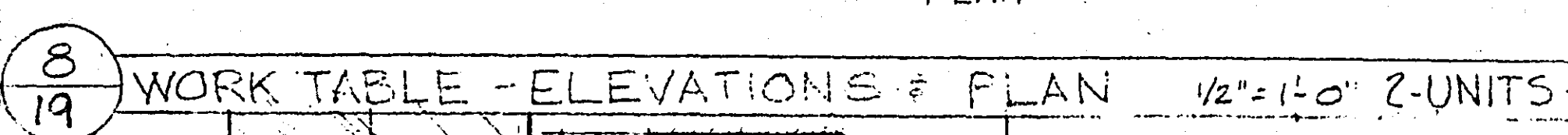
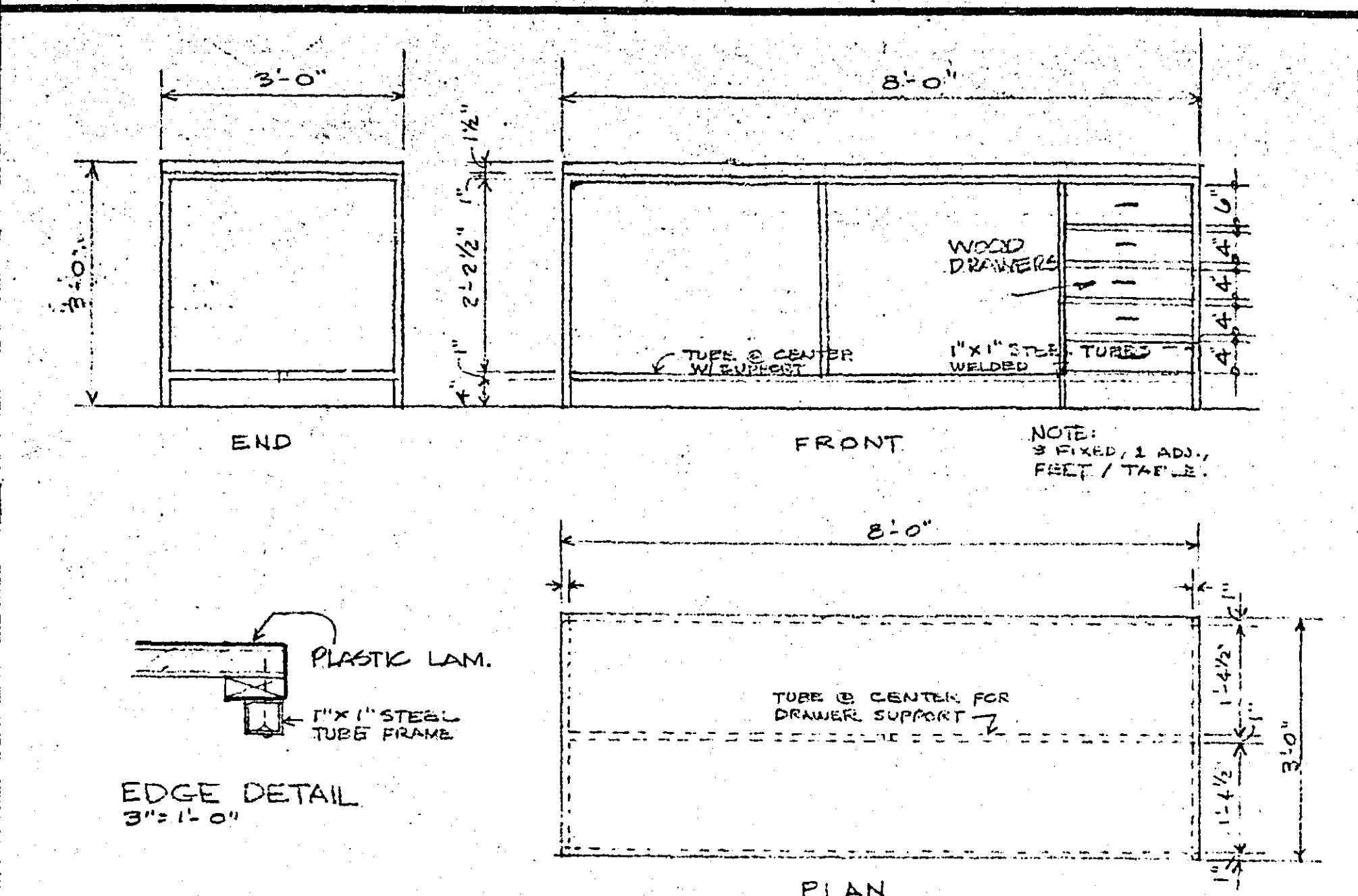
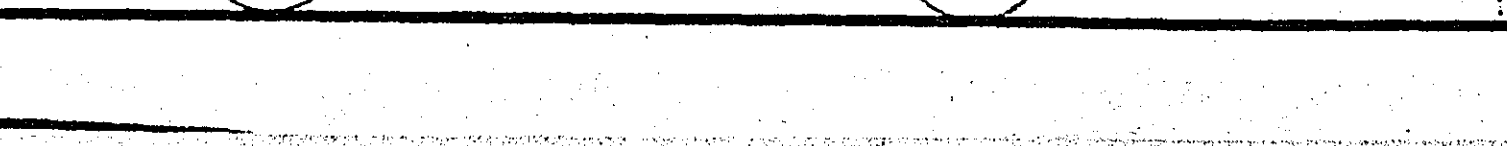
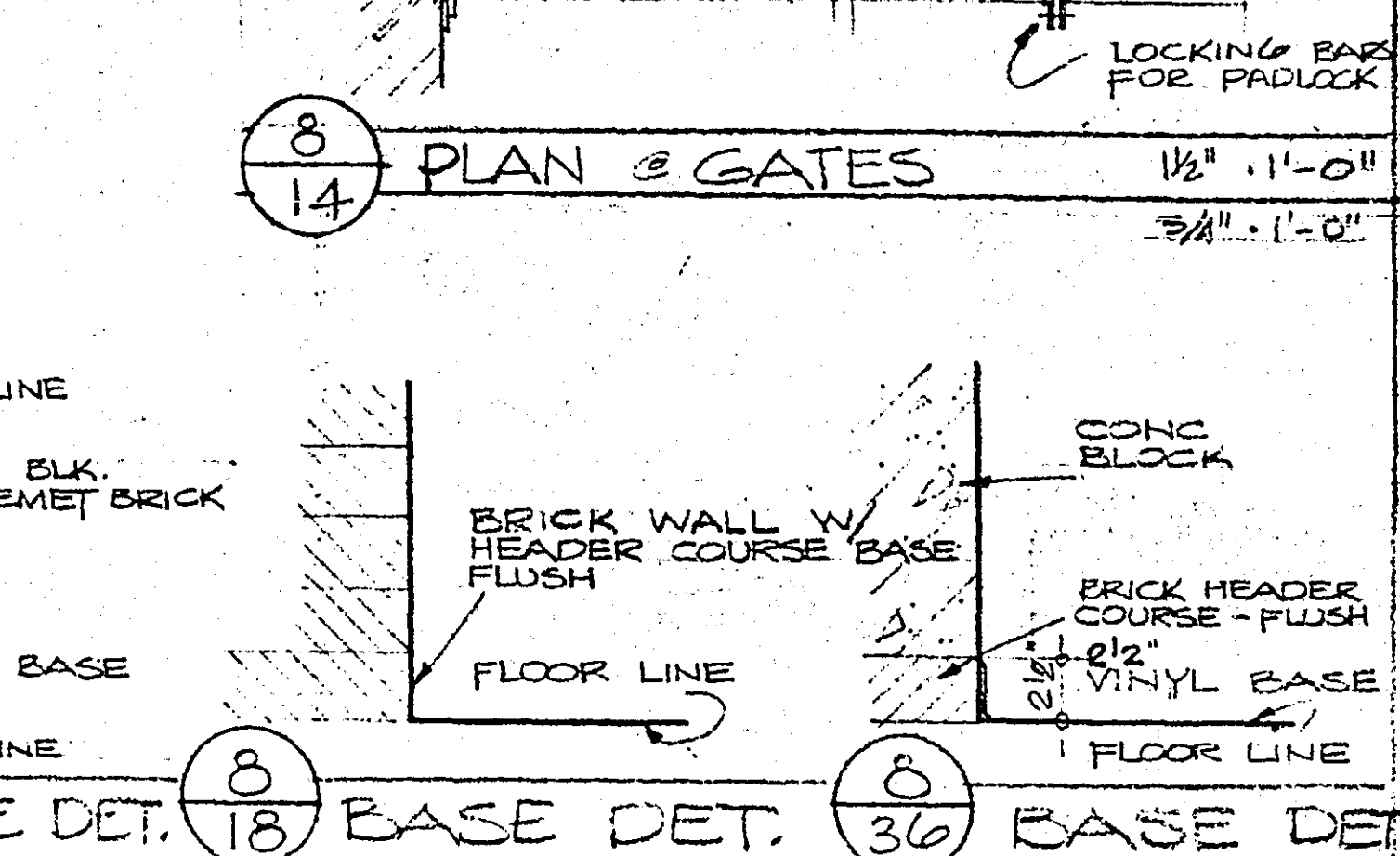
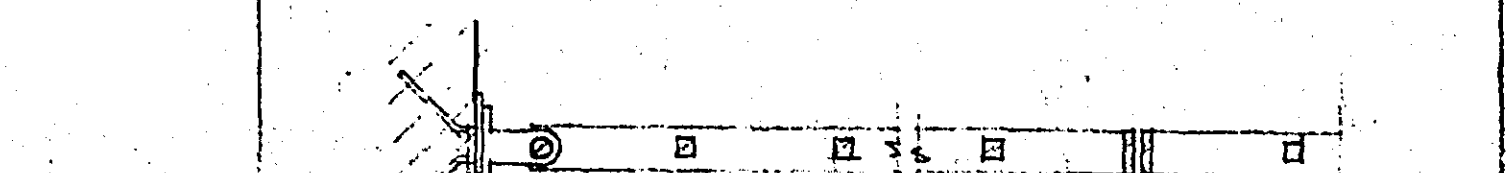
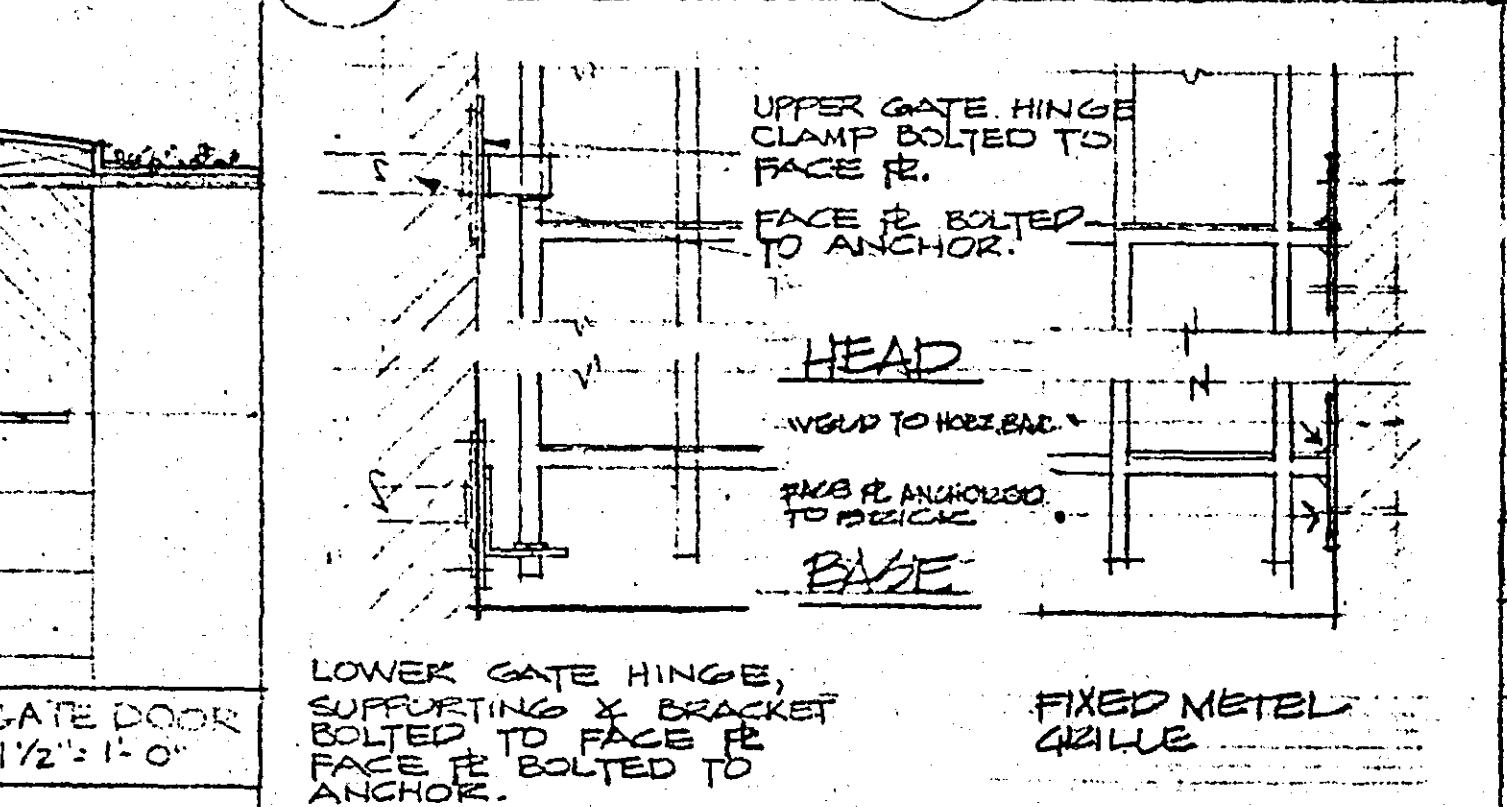
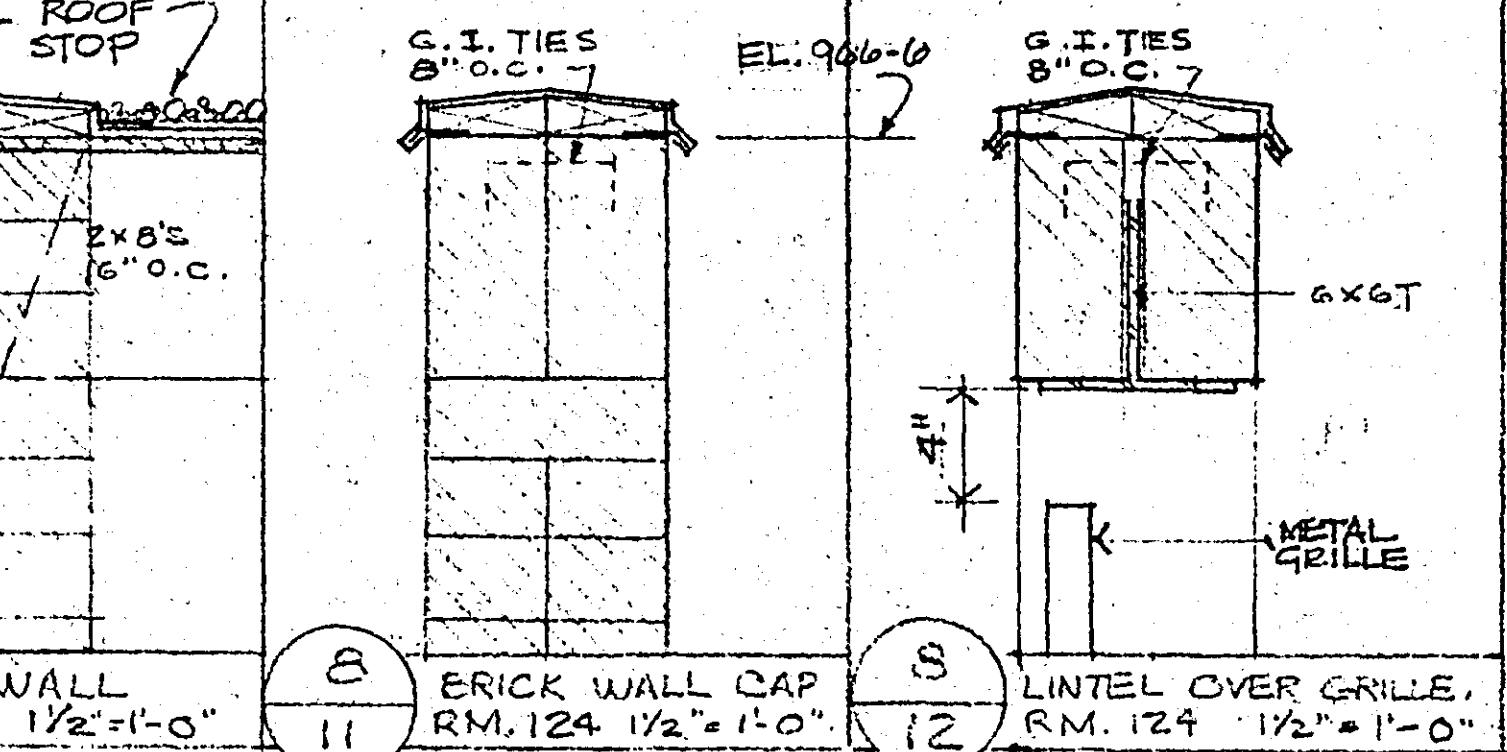
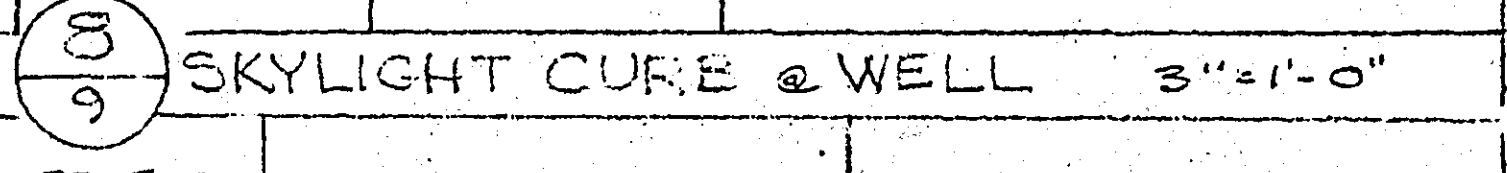
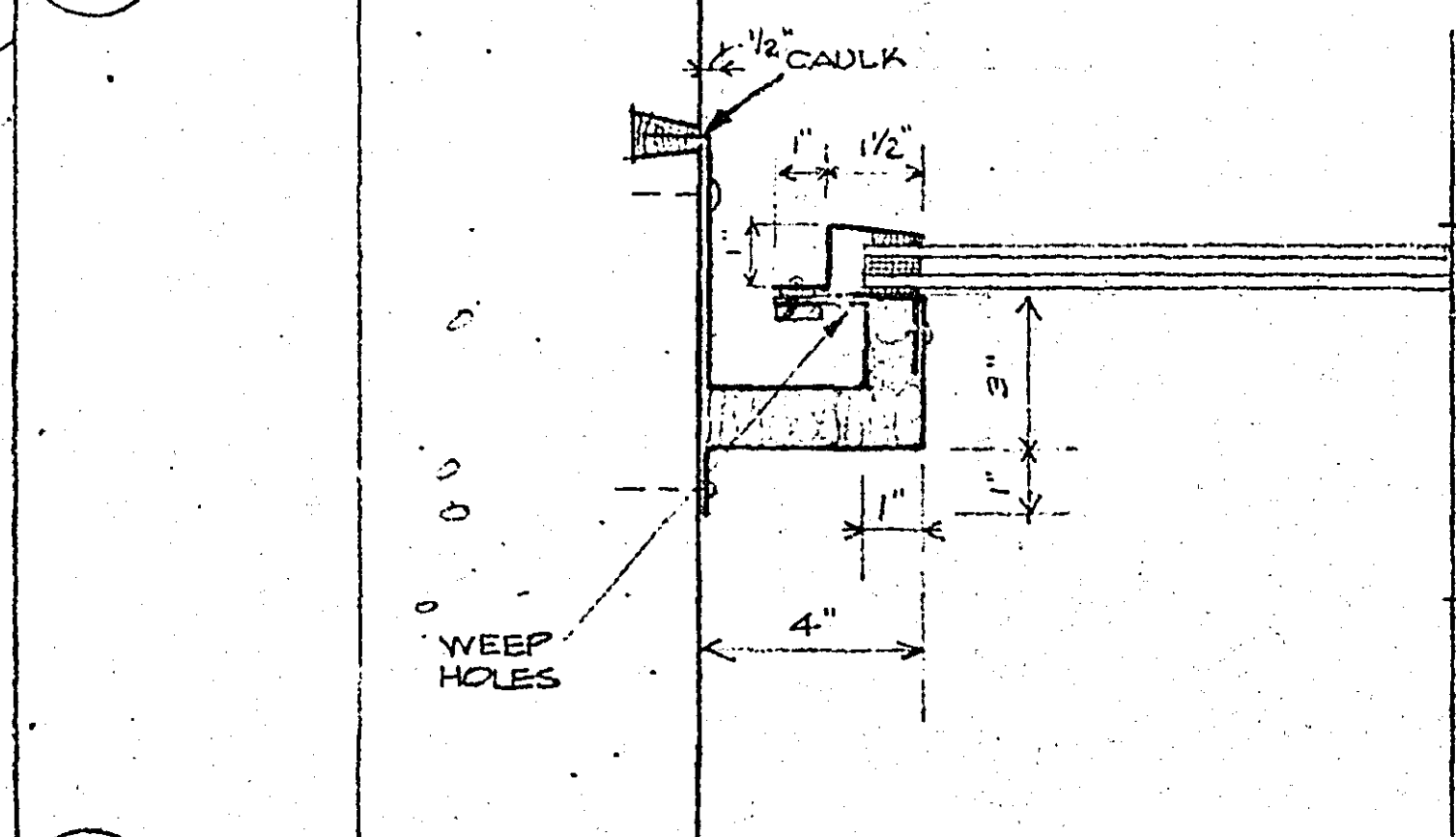
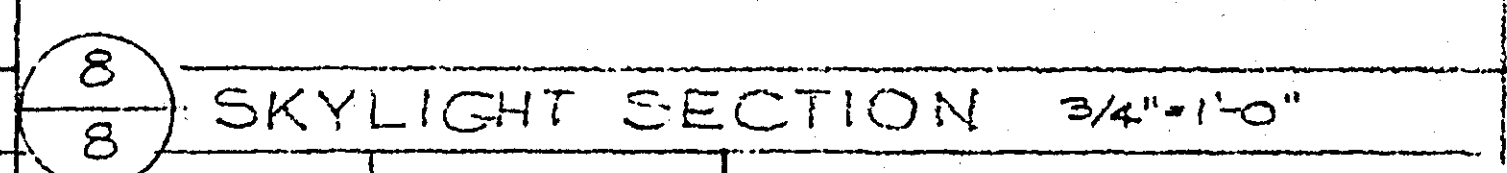
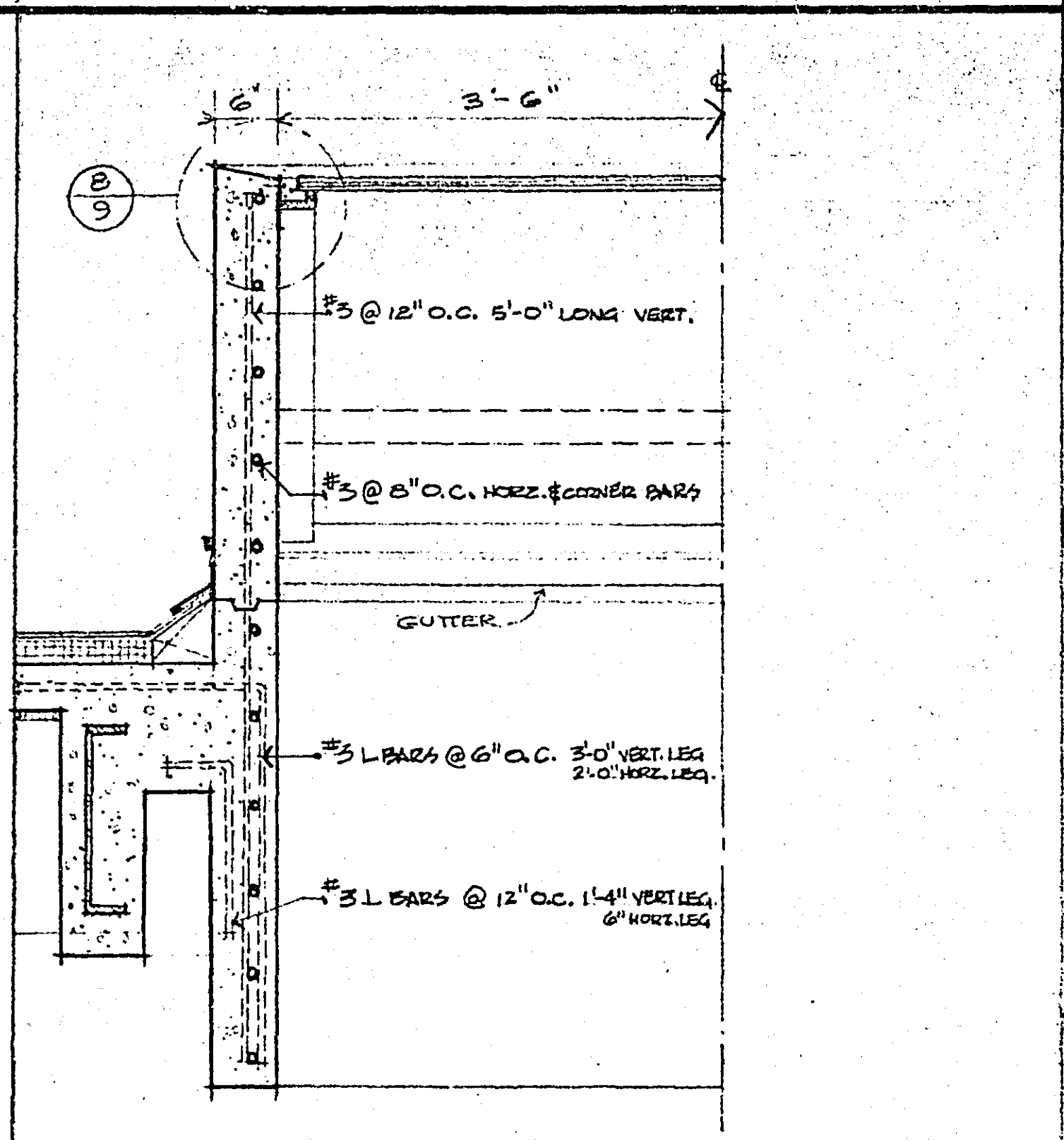
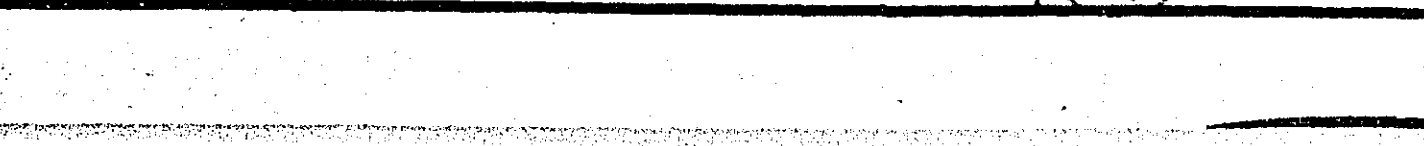
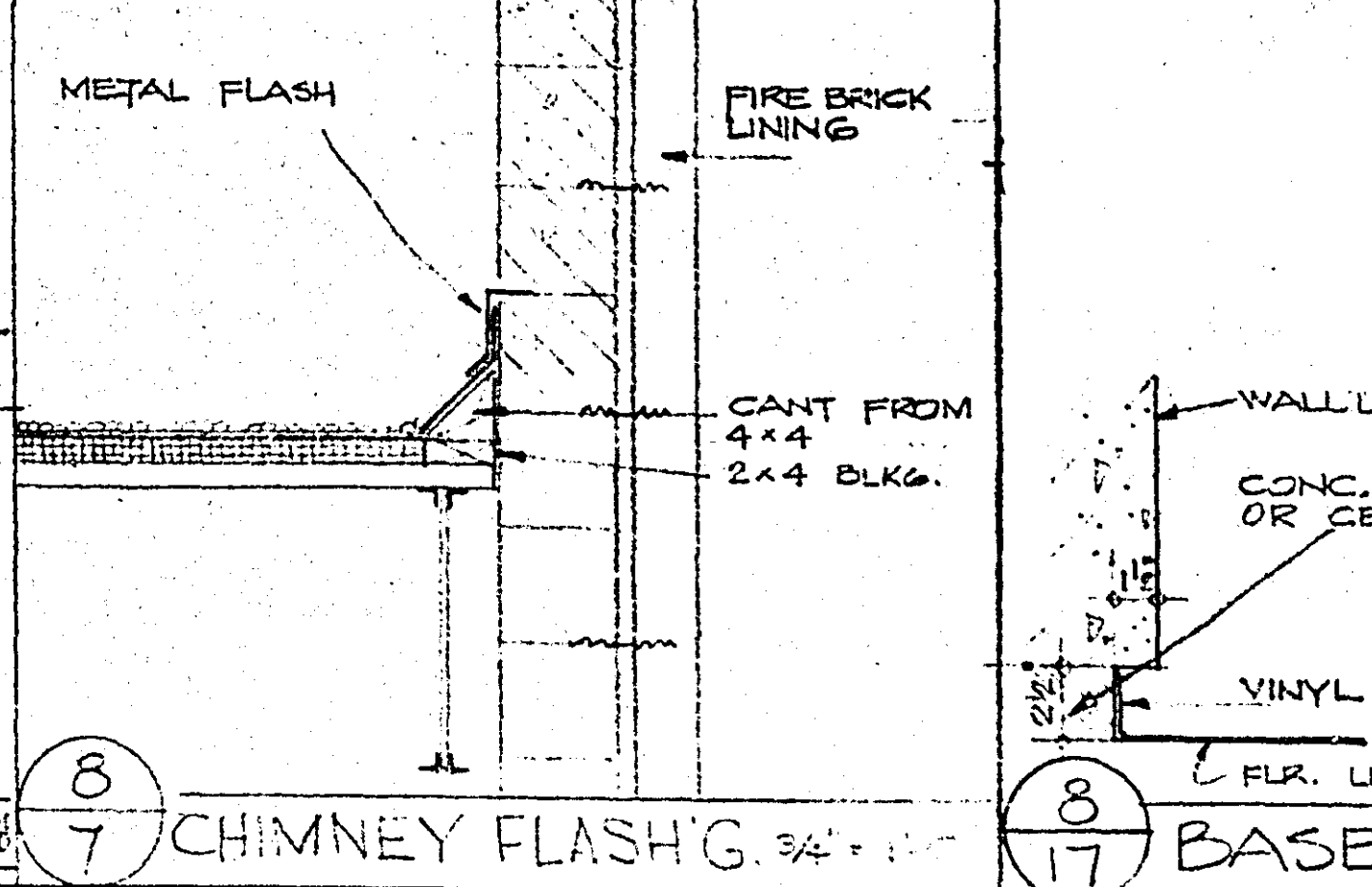
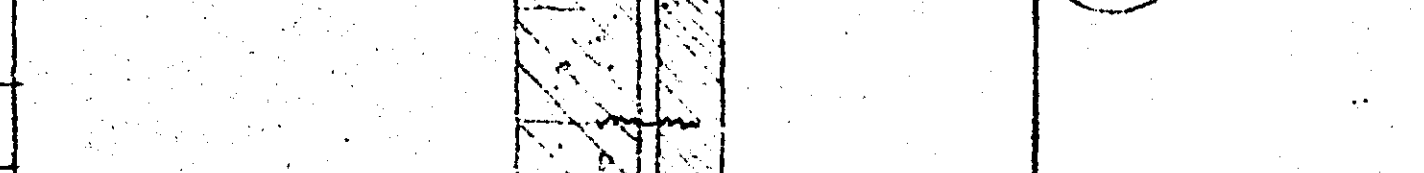
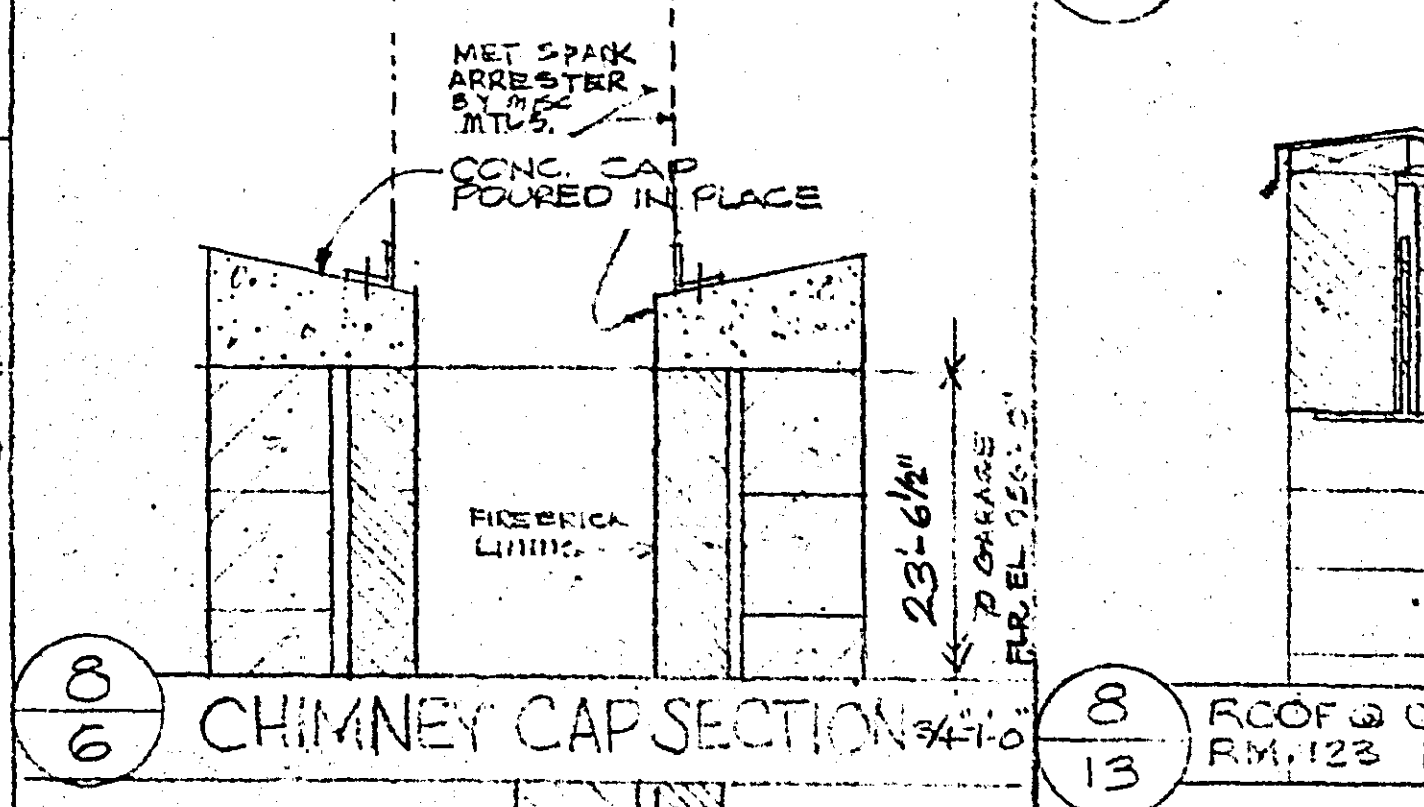
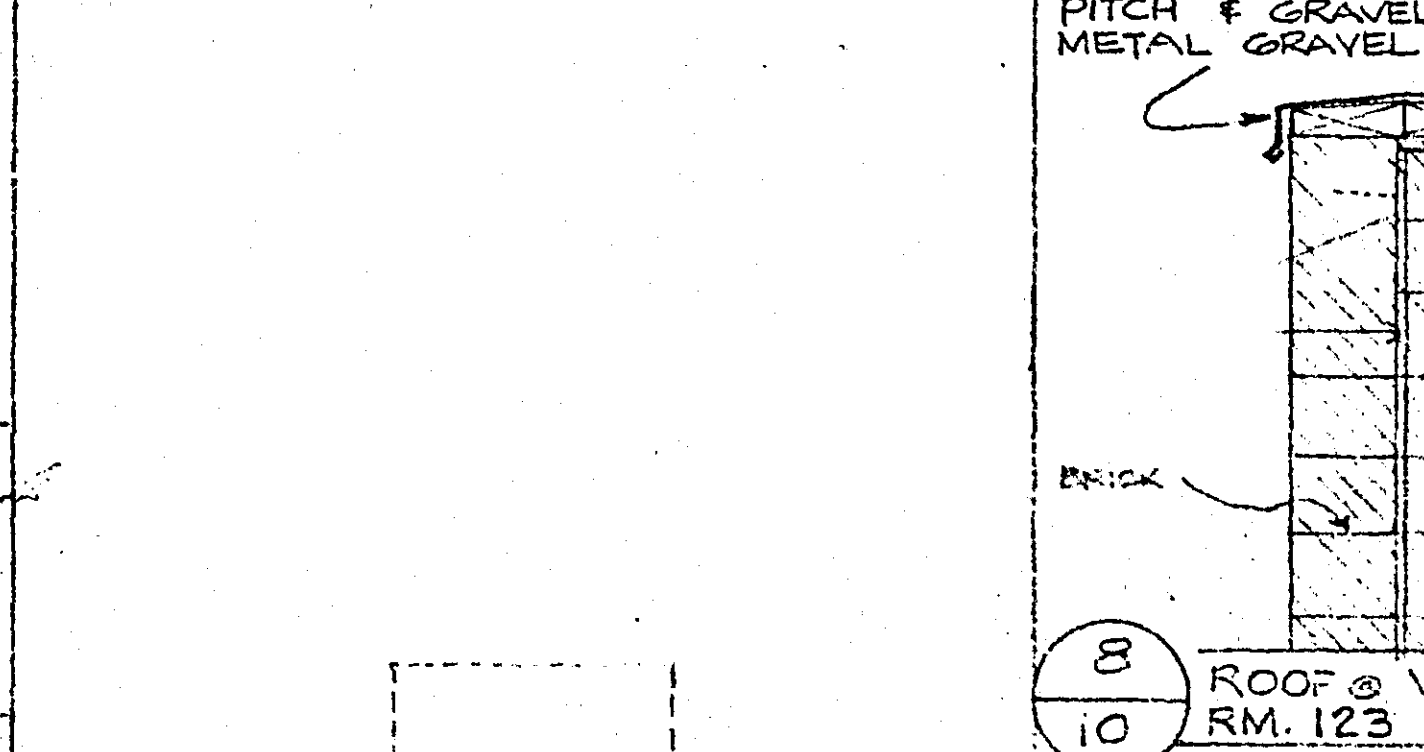
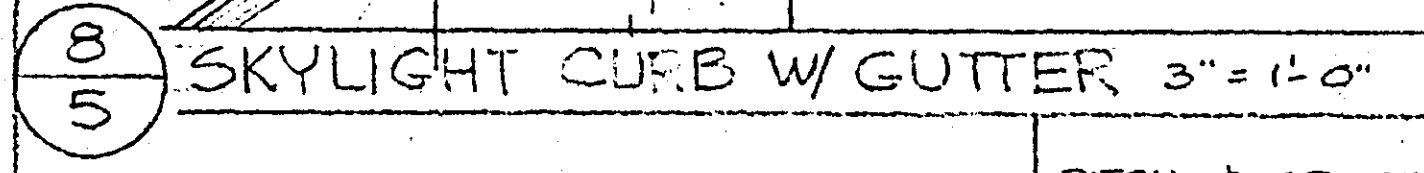
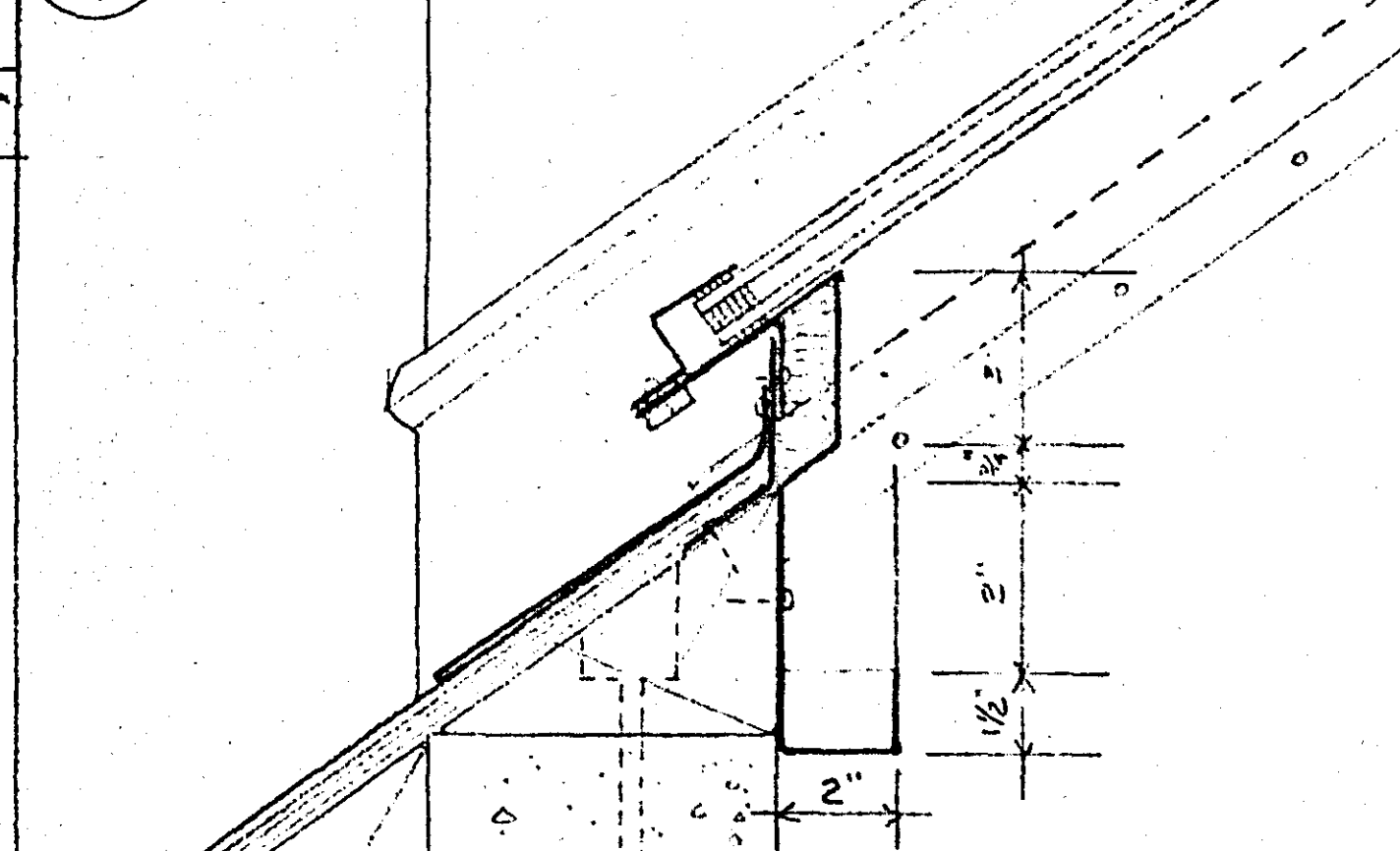
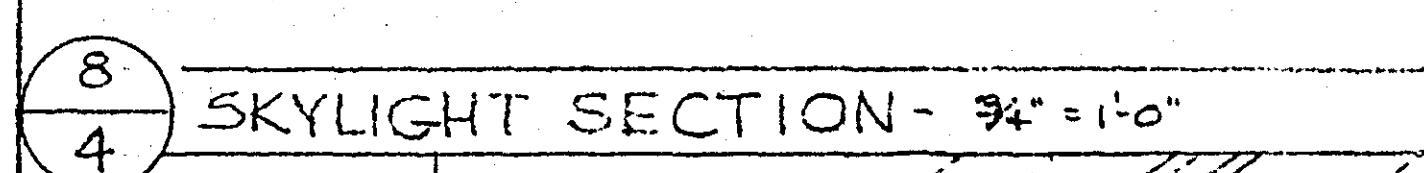
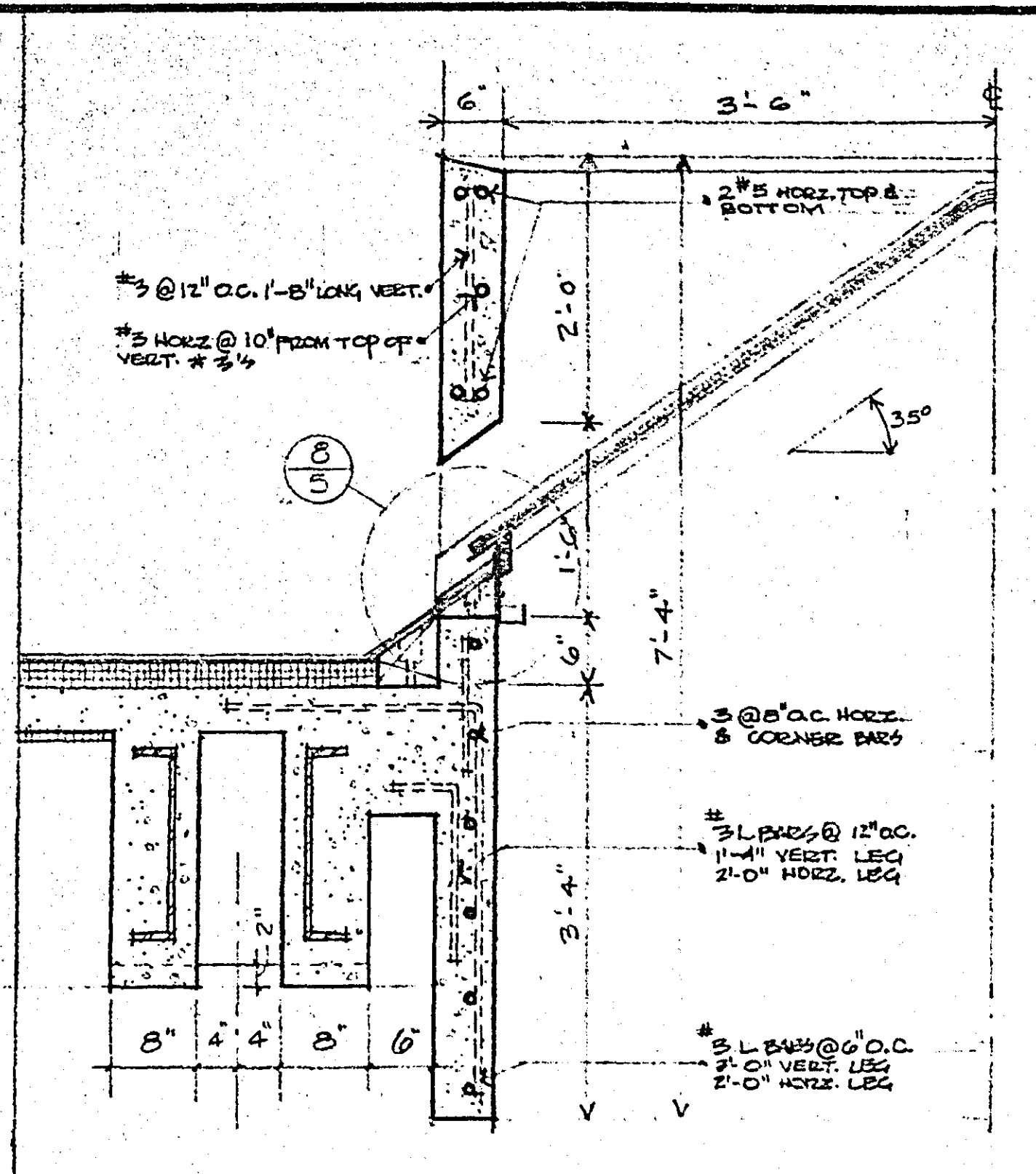
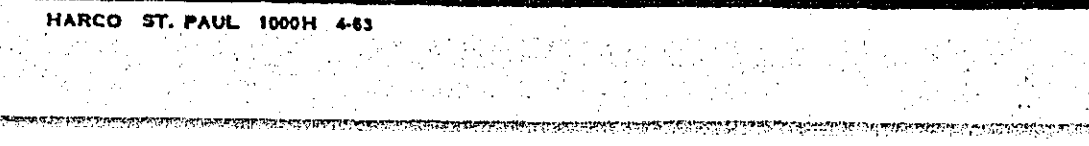
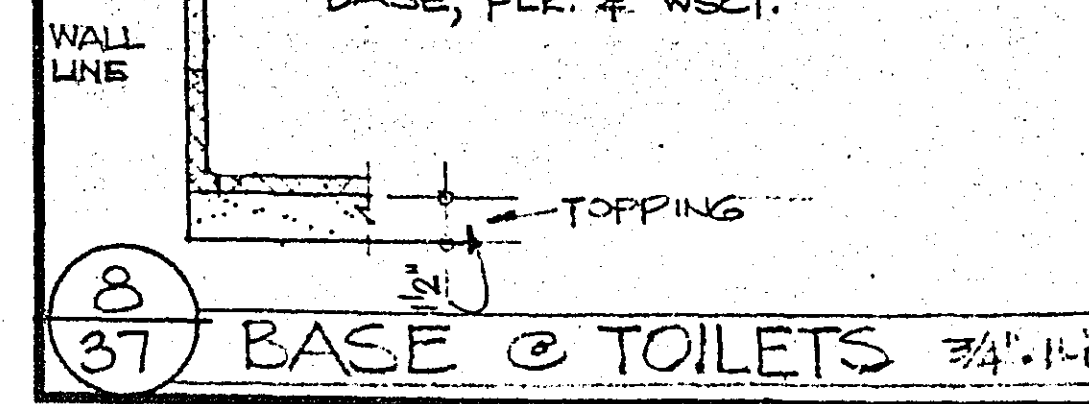
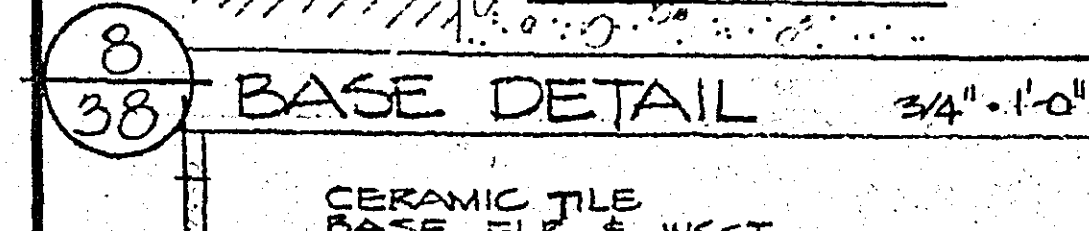
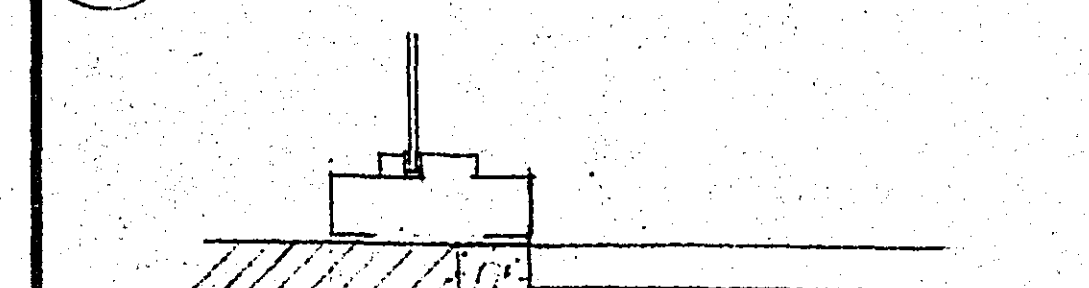
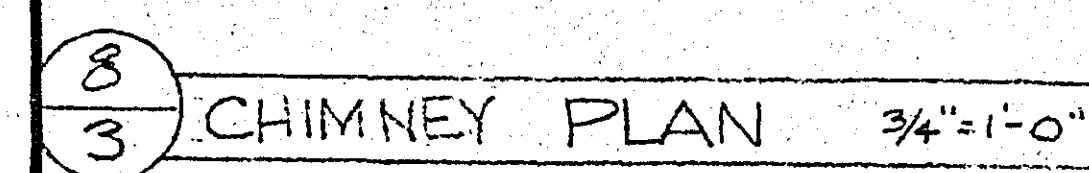
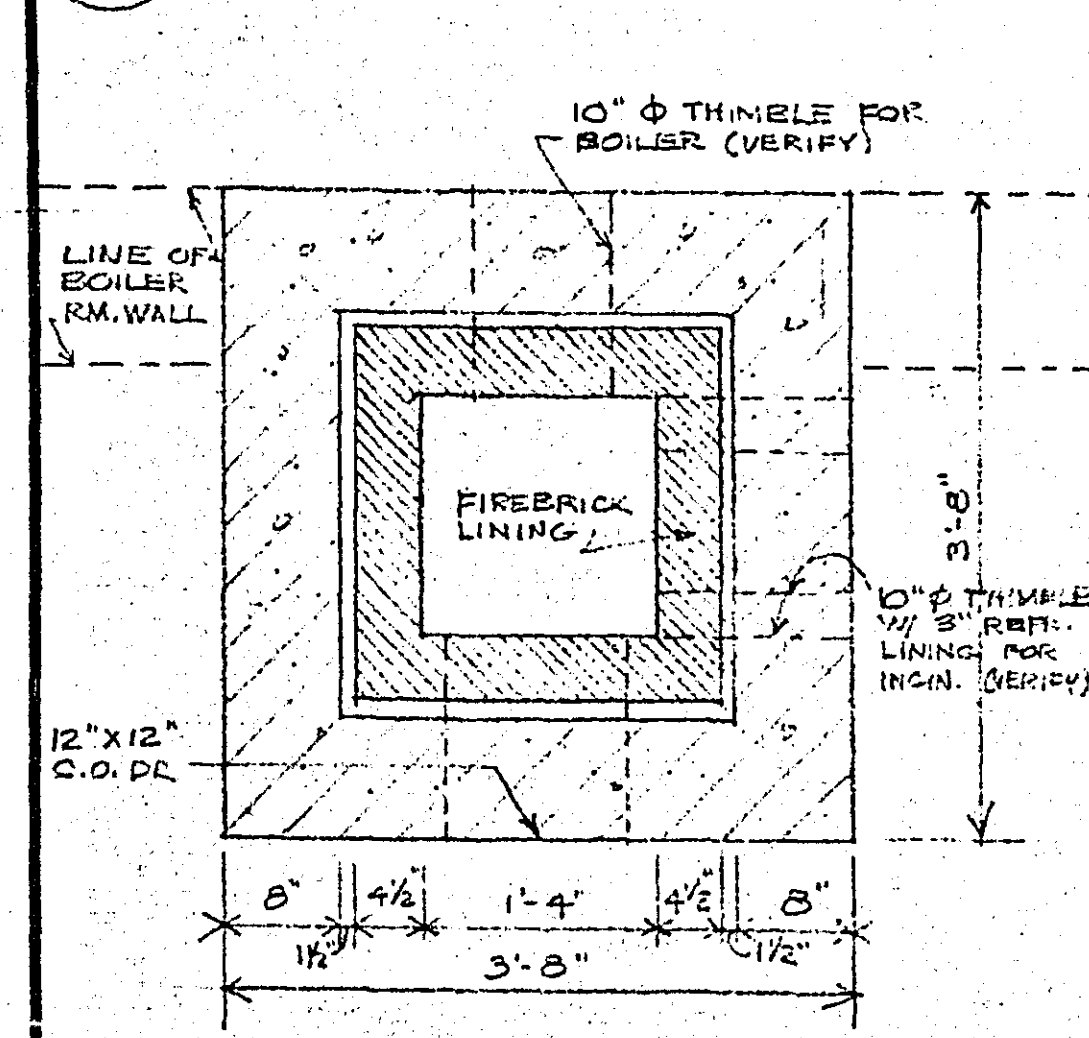
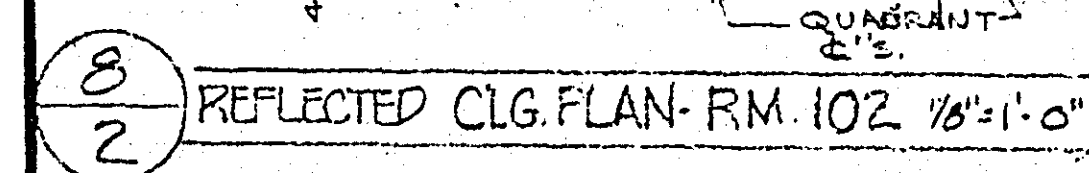
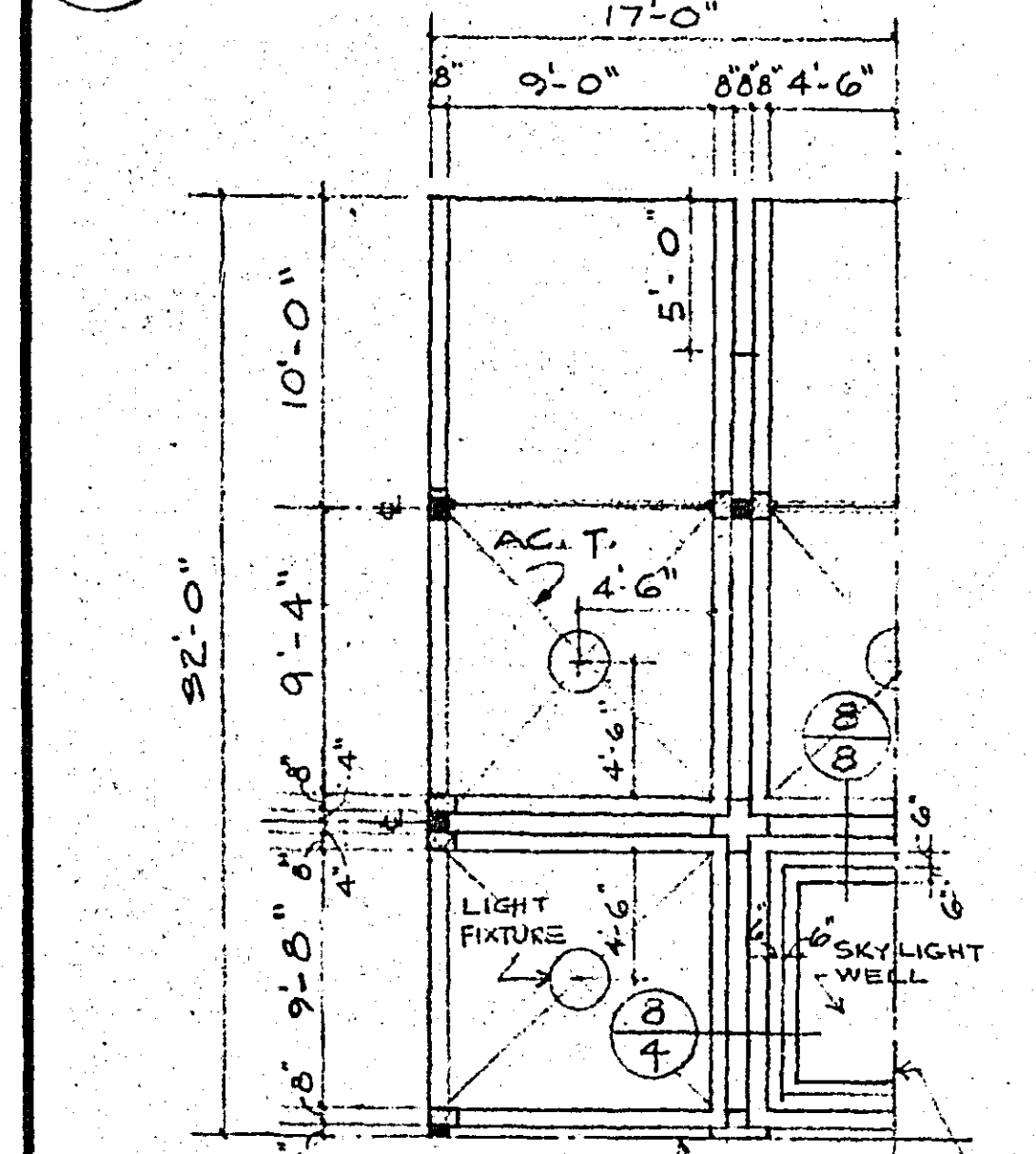
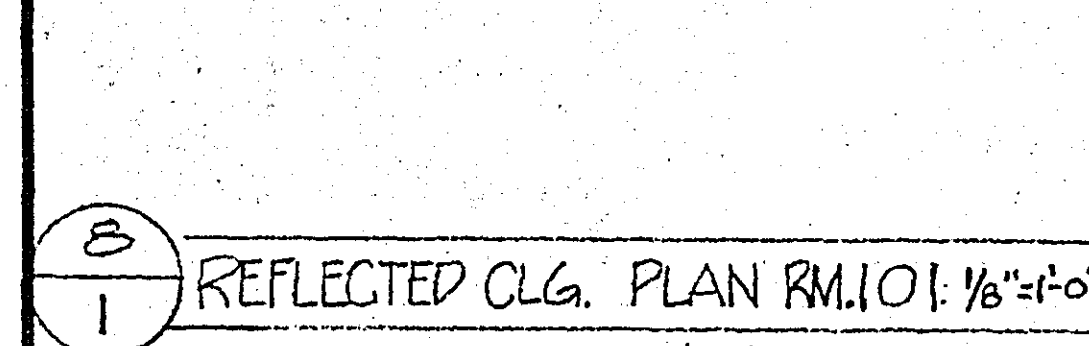
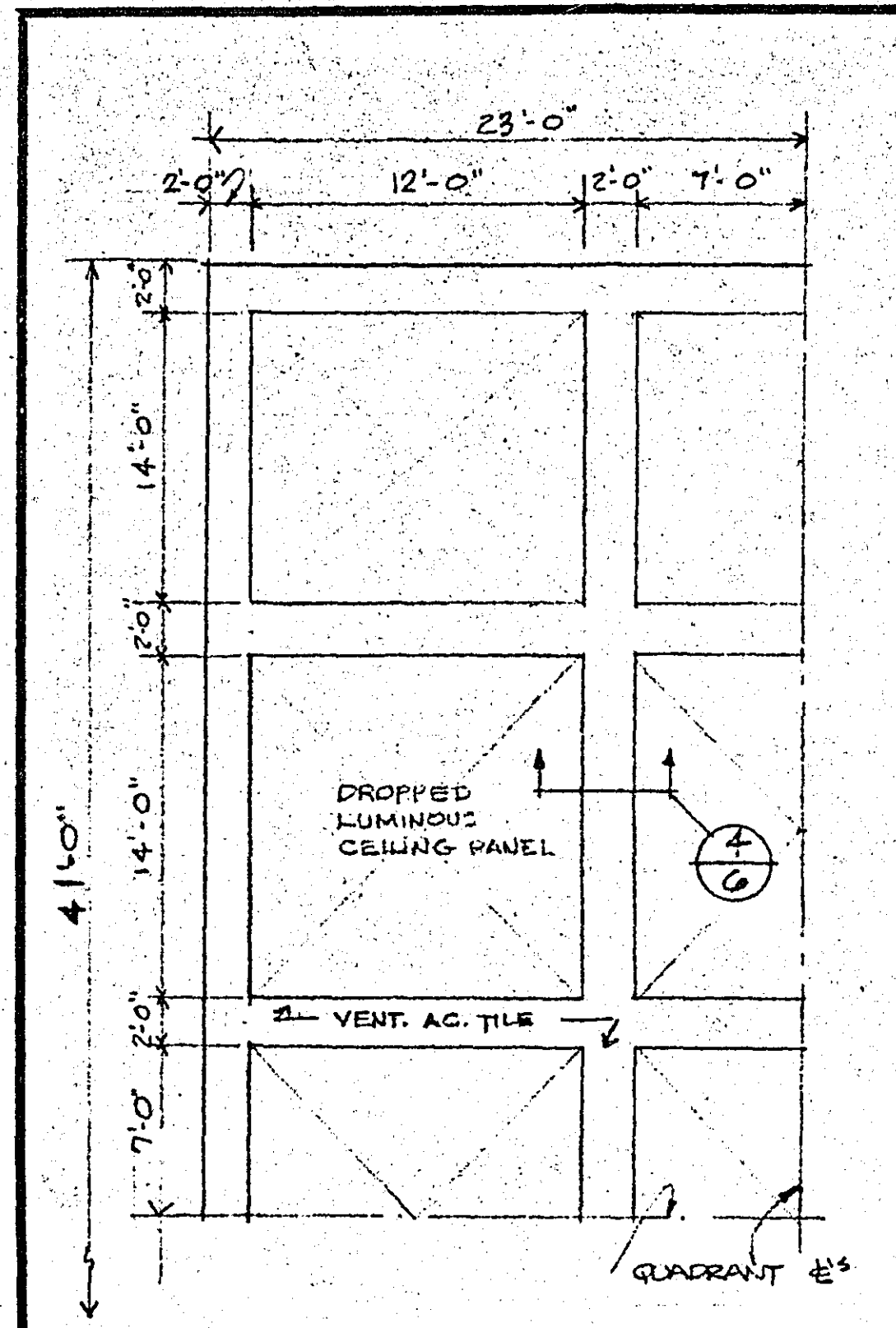
6/25 LIBRARIAN'S CLOSET TRANSOM
3\"/>

- GENERAL NOTES**
- ALL CASE 2 1/2\"/>

BUETOW & ASSOCIATES ARCHITECTS & ENGINEERS 1278 UNIVERSITY AVE. SAINT PAUL 4, MINNESOTA 645-3041	DATE 10-13-63 REVISIONS	PROJECT NO. 6212 SHEET NO. 6 OF 9 INTERIOR ELEVATIONS RAMSEY COUNTY LIBRARY HEADQUARTERS BUILDING ROSEVILLE MINNESOTA
---	-------------------------------	--



BUETOW & ASSOCIATES ARCHITECTS & ENGINEERS 1278 UNIVERSITY AVE. SAINT PAUL 4, MINNESOTA 55101	DATE 10-15-63 REVISIONS	DOOR SCHEDULE & EXTERIOR DETAILS 2 AMSEY COUNTY LIBRARY HEADQUARTERS BUILDING 20 SEVILLE MINNESOTA	PROJ. NO. 6212 SHEET NO. 7
---	-------------------------------	---	-------------------------------------

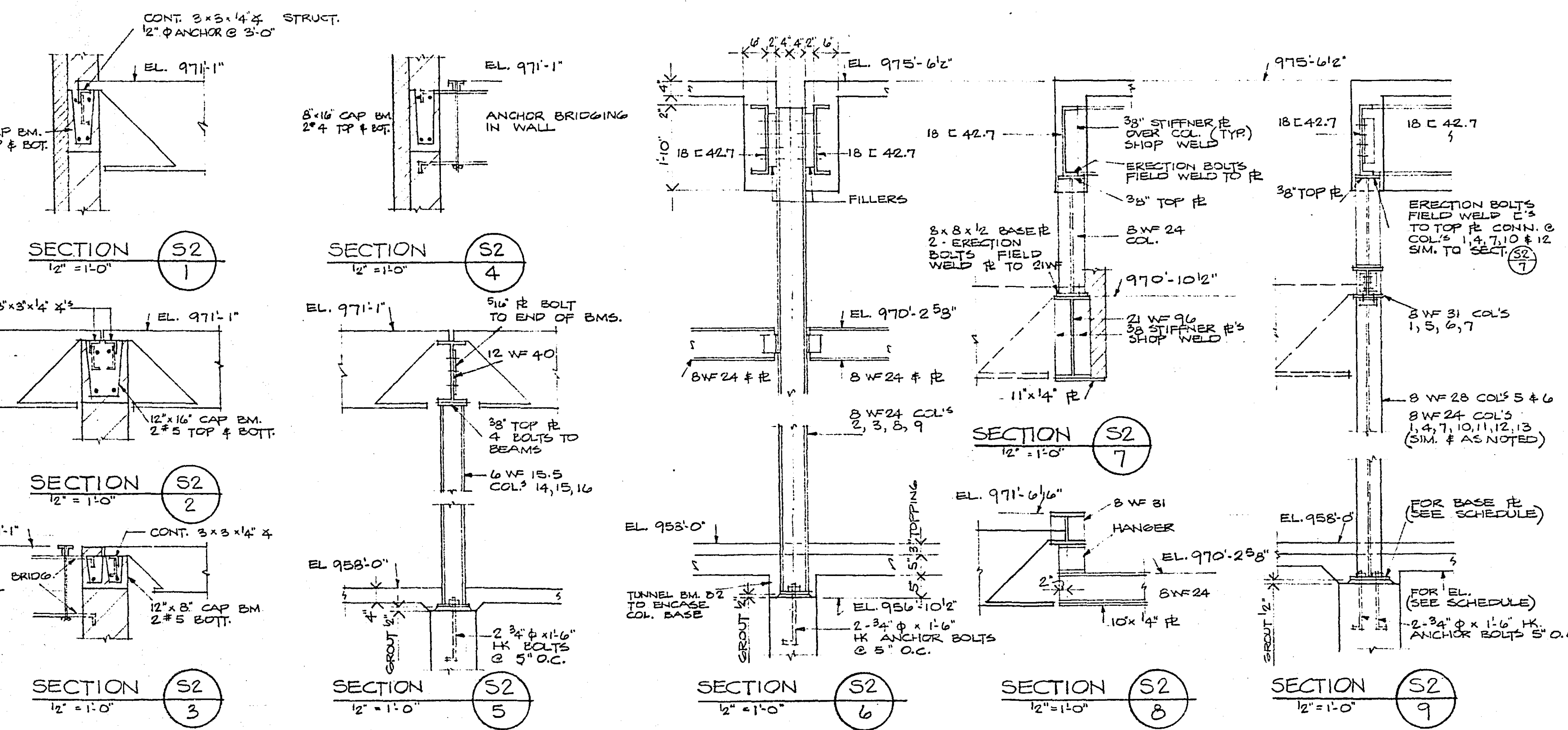
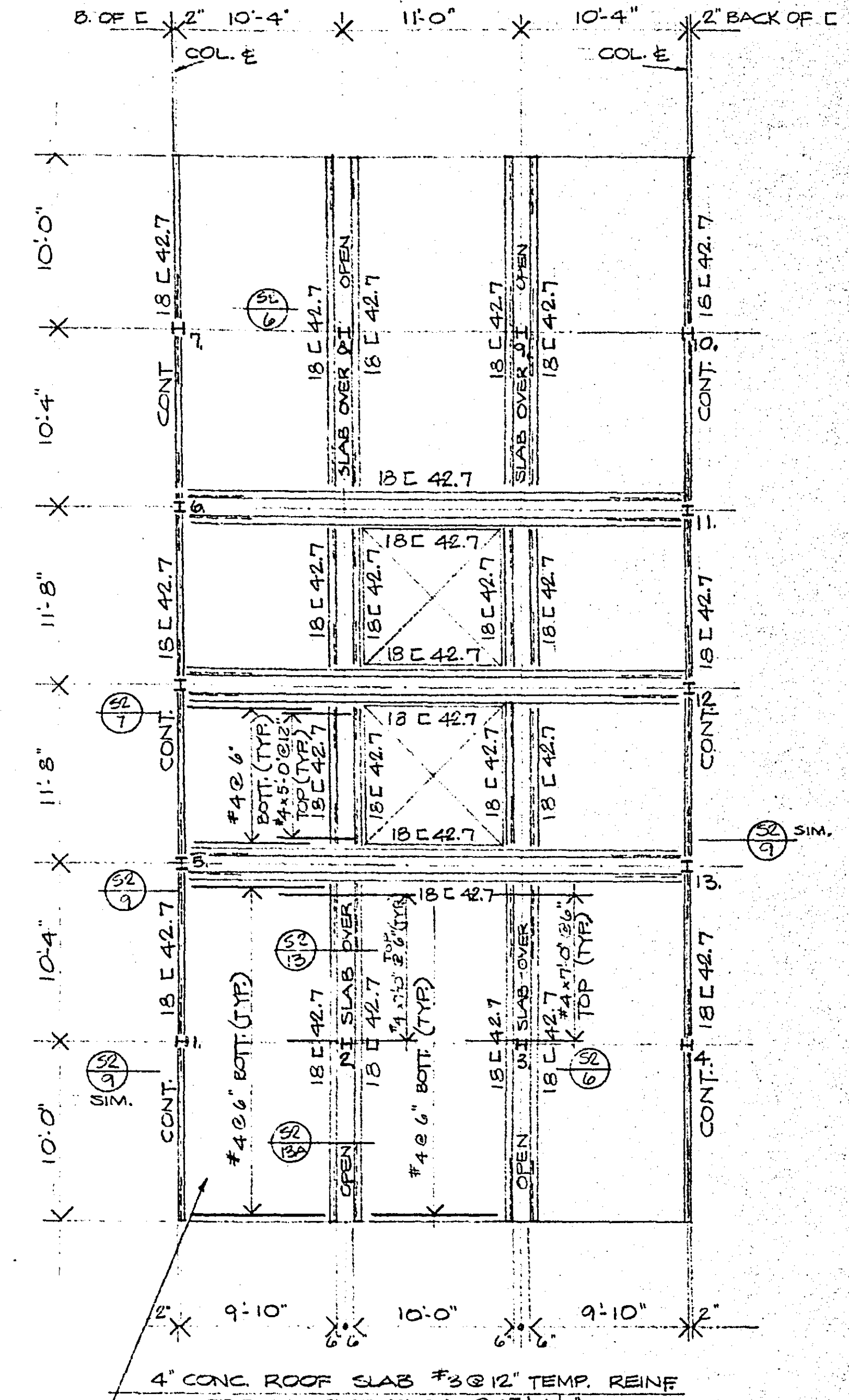
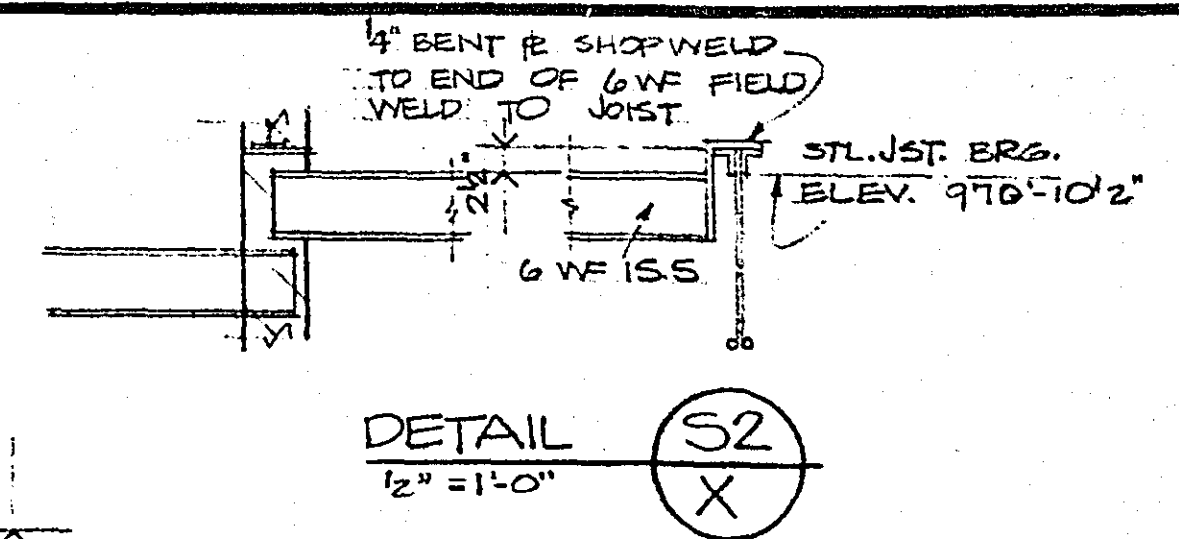
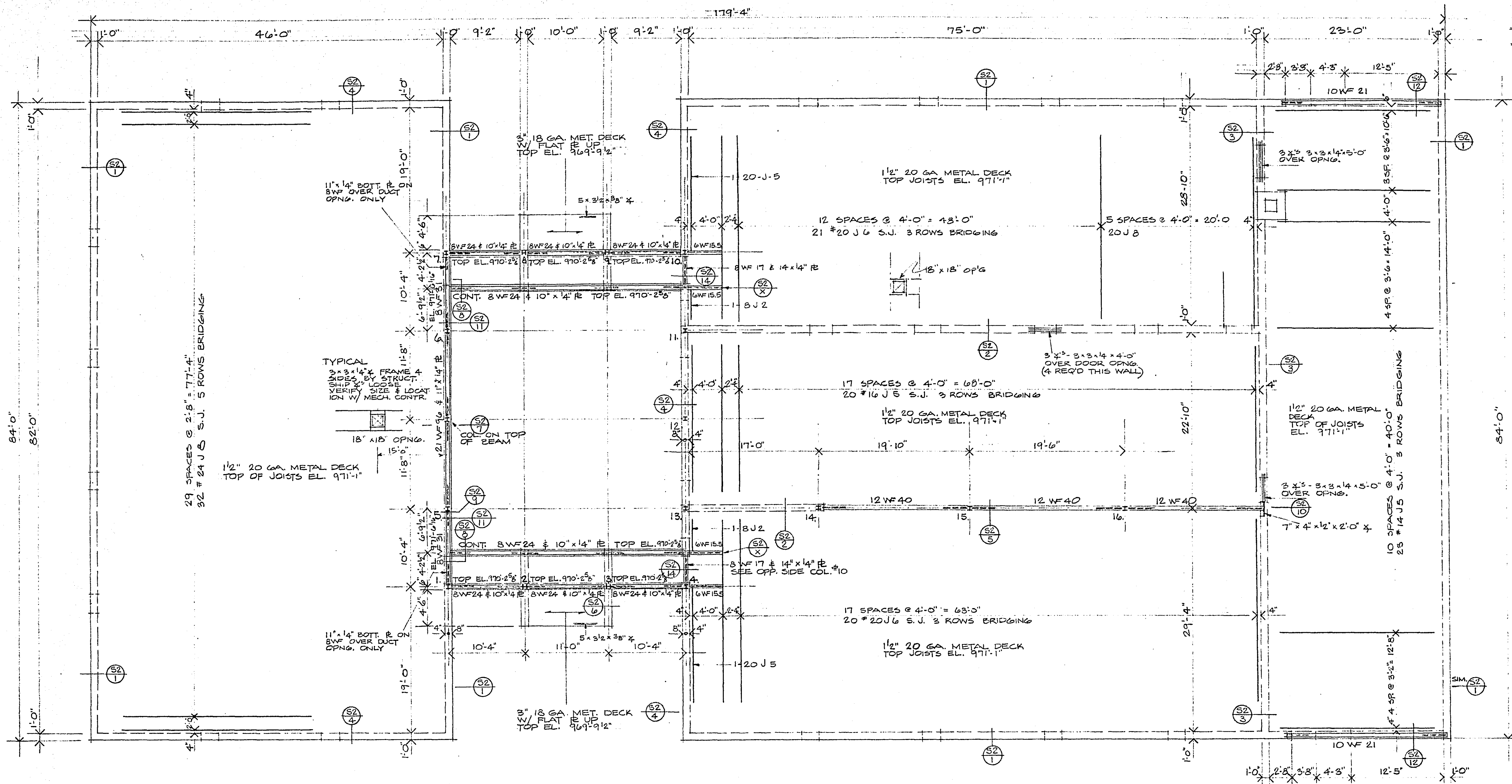


BUETOW & ASSOCIATES
ARCHITECTS & ENGINEERS
1276 UNIVERSITY AVE.
SAINT PAUL, MINNESOTA 55104

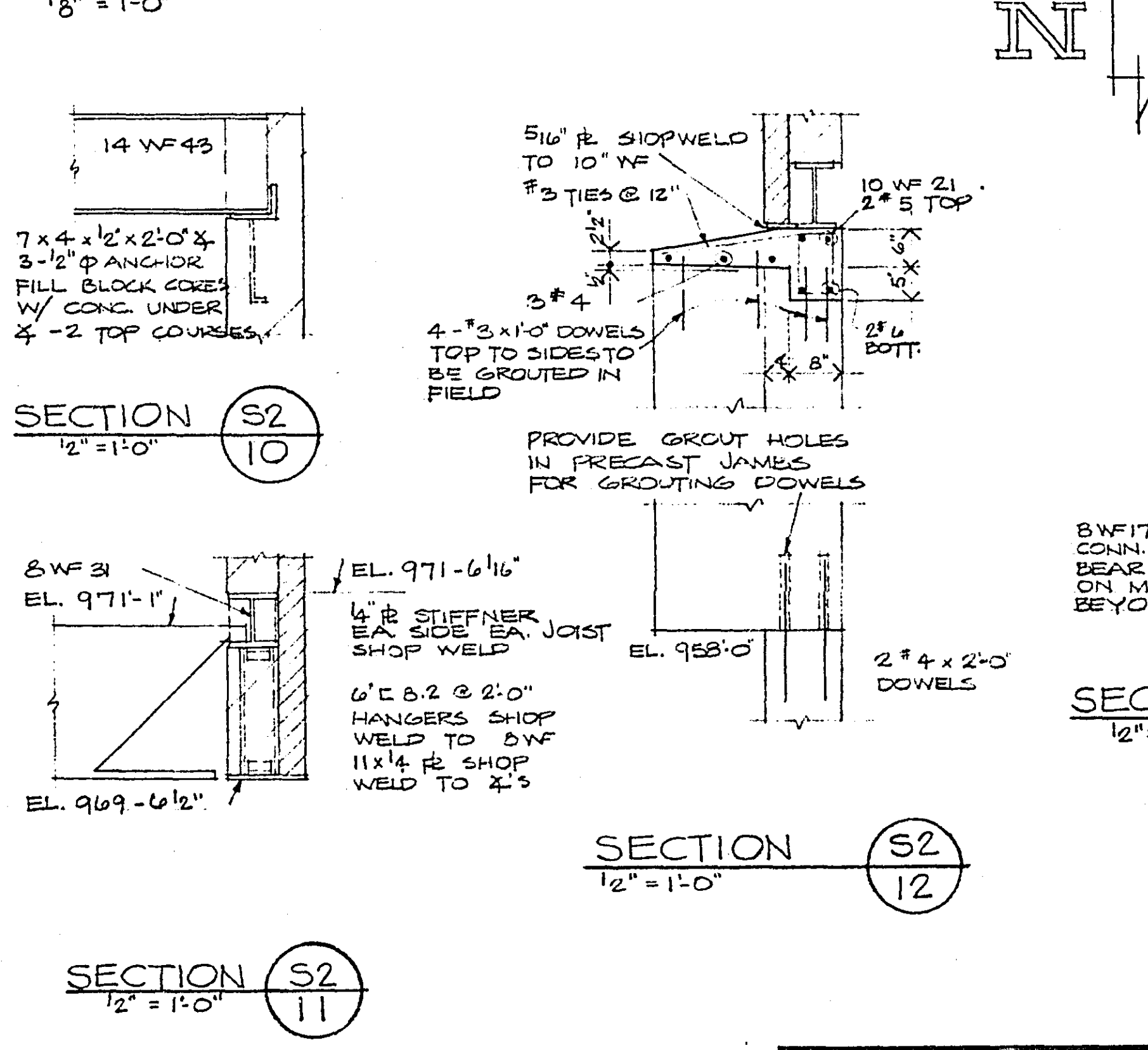
MISCELLANEOUS DETAILS
2212

RAMSEY COUNTY LIBRARY
HEADQUARTERS BUILDING
ROSEVILLE MINNESOTA

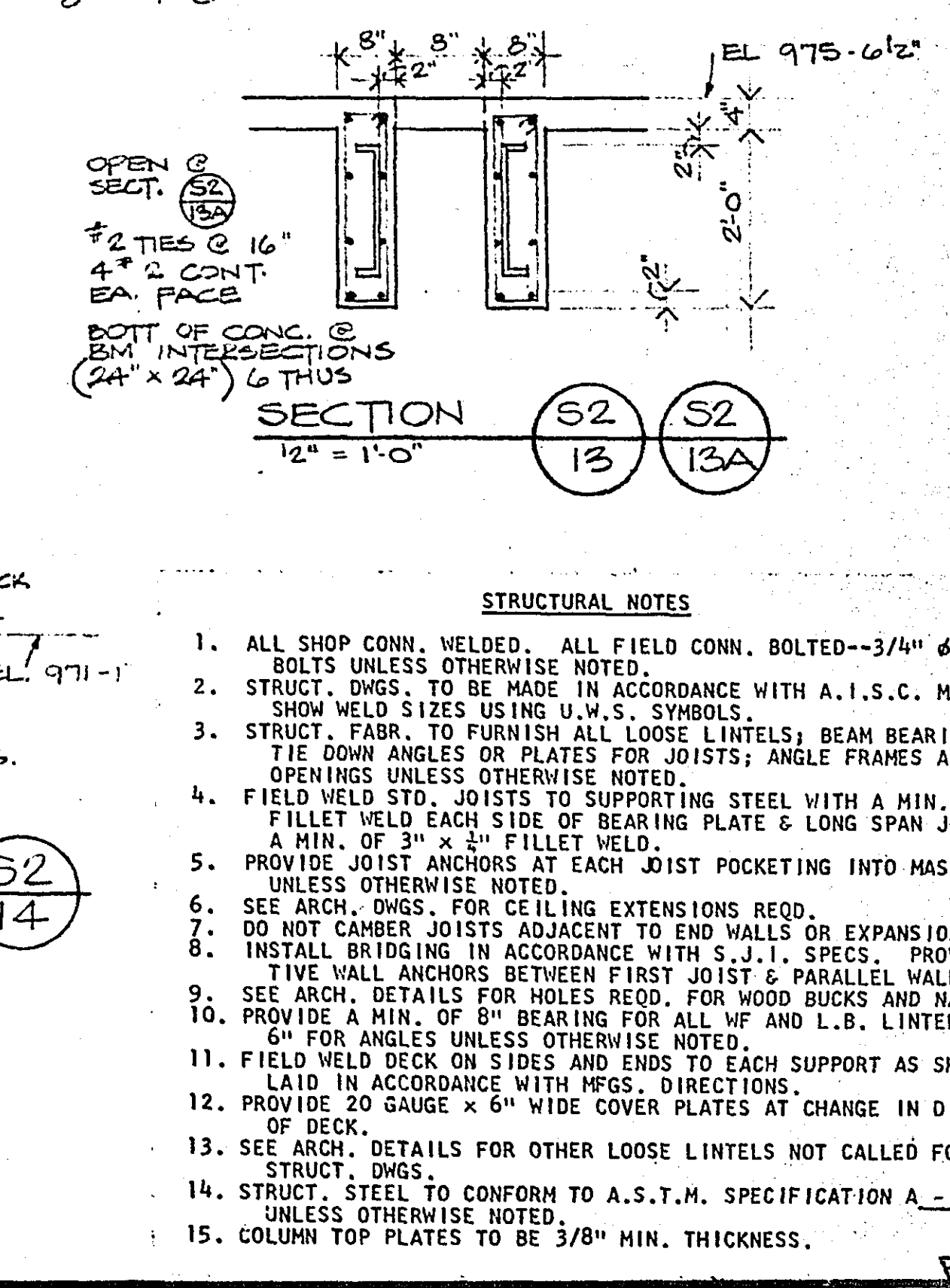
8



LOW ROOF FRAMING PLAN

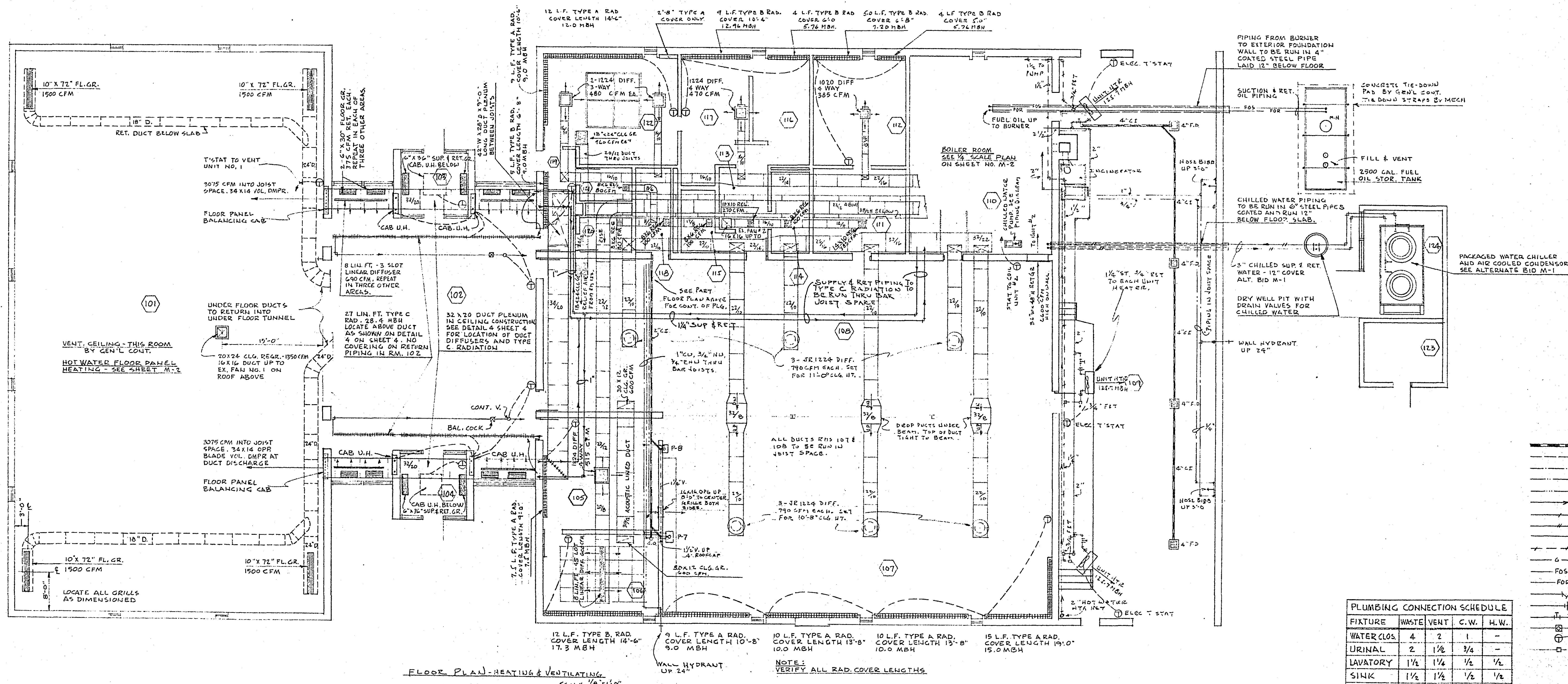
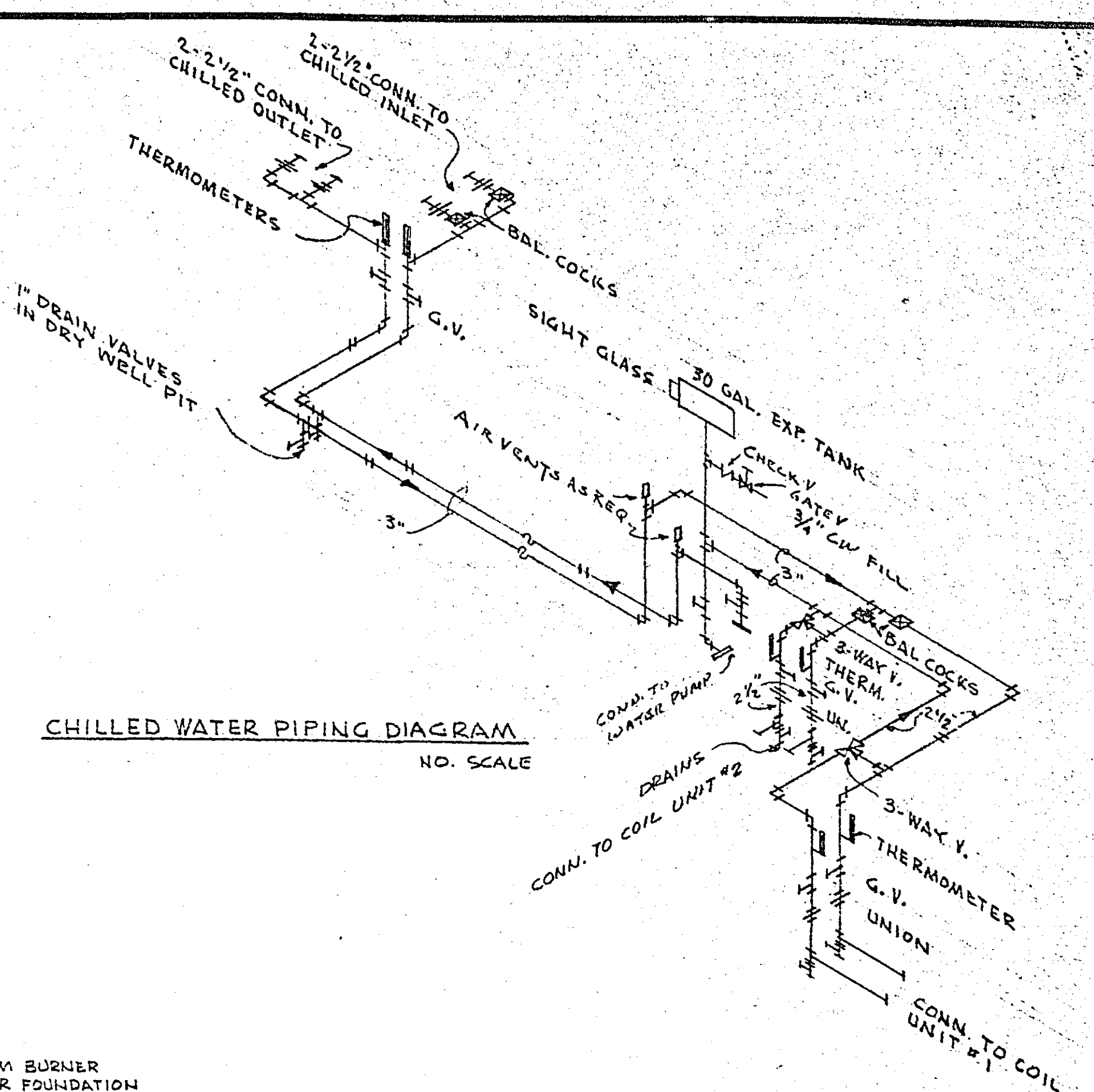
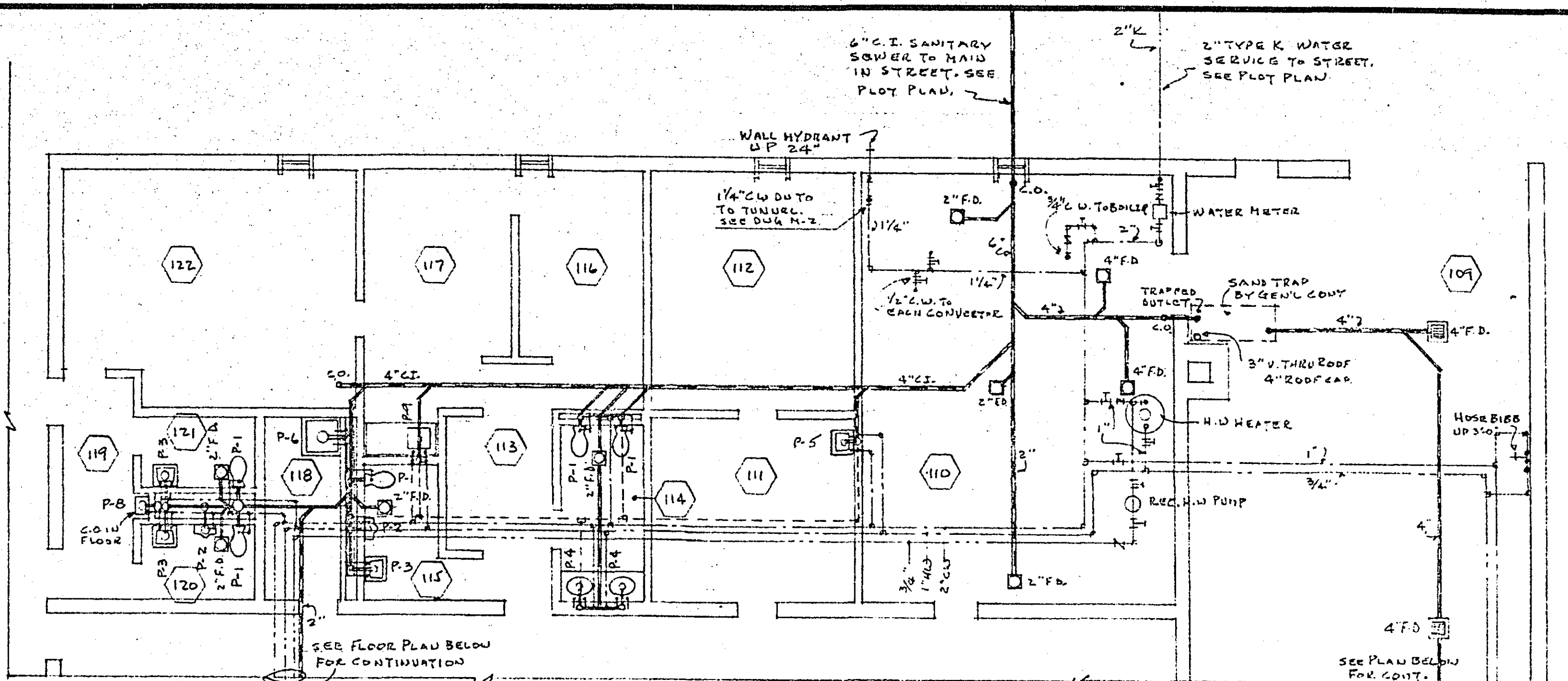
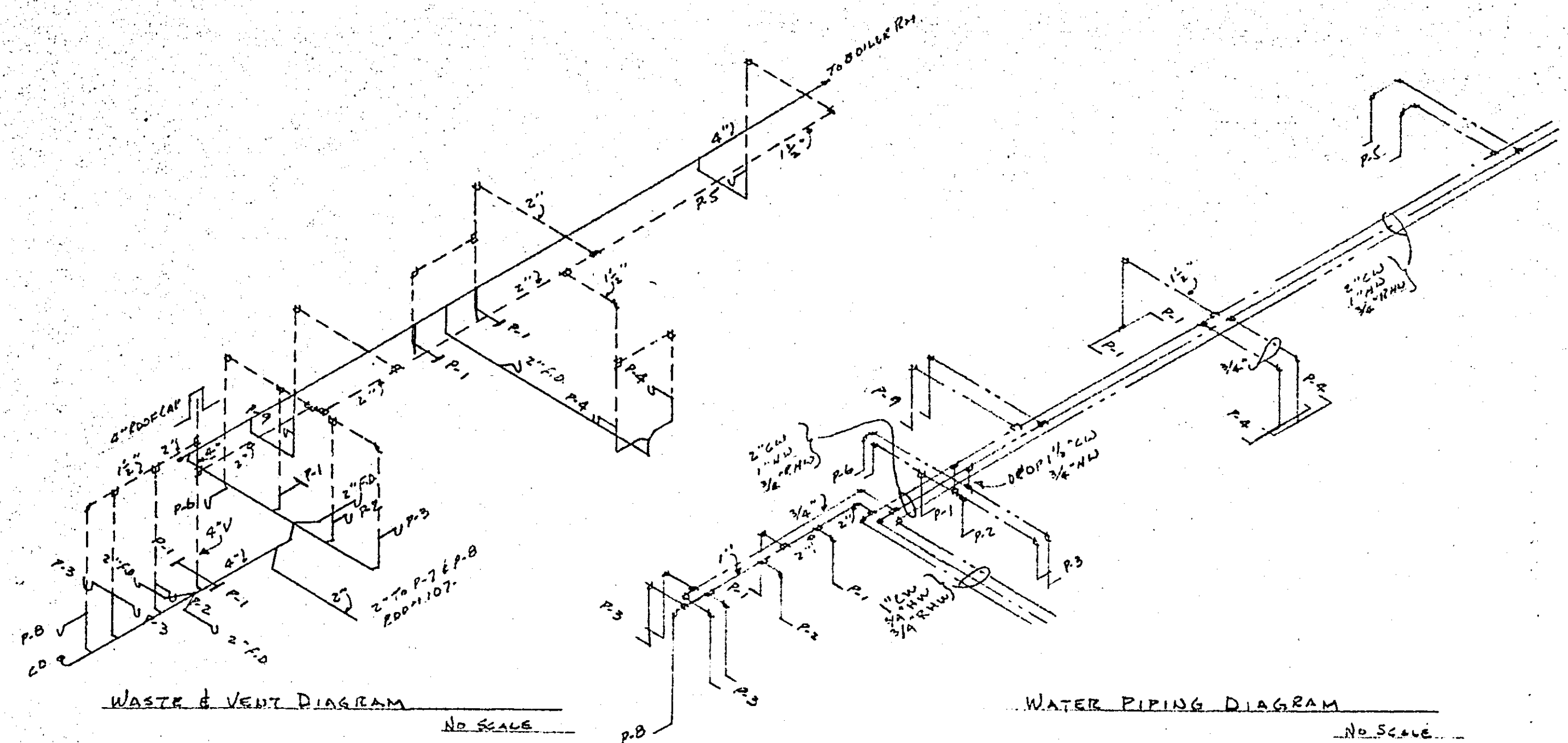


HIGH ROOF FRAMING PLAN



- STRUCTURAL NOTES**
1. ALL SHOP CONN. WELDED. ALL FIELD CONN. BOLTED--3/4" & MACHINE BOLTS UNLESS OTHERWISE NOTED.
 2. STRUCT. DIMS. TO BE MADE IN ACCORDANCE WITH A.I.S.C. MANUALS. SHOW WELD SIZES USING U.S. SYMBOLS.
 3. STRUCT. FABR. TO FURNISH ALL LOOSE LINTELS; BEAM BEARING PLATES, TIE DOWN ANCHORS OR PLATES FOR JOISTS; ANGLE FRAMES AROUND OPENINGS UNLESS OTHERWISE NOTED.
 4. FIELD WELD STD. JOISTS TO SUPPORTING STEEL WITH A MIN. OF 2" x 1/4" FILLET WELD EACH SIDE OF BEARING PLATE & LONG SPAN JOISTS WITH A MIN. OF 3" x 3/4" FILLET WELD.
 5. PROVIDE JOIST ANCHORS AT EACH JOIST POCKETING INTO MASONRY WALLS UNLESS OTHERWISE NOTED.
 6. SEE ARCH. DIMS. FOR CEILING EXTENSIONS REQ'D.
 7. DO NOT CANNOT JOISTS ADJACENT TO END WALLS OR EXPANSION JOINTS.
 8. INSTALL BRIDGING IN ACCORDANCE WITH S.J.I. SPECS. PROVIDE POSITIVE WALL ANCHORS BETWEEN FIRST JOIST & PARALLEL WALL.
 9. SEE ARCH. DETAILS FOR MOLES REQ'D. FOR WOOD BUCKS AND WALLERS.
 10. PROVIDE A MIN. OF 8" BEARING FOR ALL WF AND L.B. LINTELS AND 6" FOR ANGLES UNLESS OTHERWISE NOTED.
 11. FIELD WELD DECK ON SIDES AND ENDS TO EACH SUPPORT AS SHEETS ARE LAID IN ACCORDANCE WITH MFG. DIRECTIONS.
 12. PROVIDE 20 GAUGE x 6" WIDE COVER PLATES AT CHANGE IN DIRECTION OF DECK.
 13. SEE ARCH. DETAILS FOR OTHER LOOSE LINTELS NOT CALLED FOR ON STRUCT. DIMS.
 14. STRUCT. STEEL TO CONFORM TO A.S.T.M. SPECIFICATION A-36 UNLESS OTHERWISE NOTED.
 15. COLUMN TOP PLATES TO BE 3/8" MIN. THICKNESS.

BUETOW & ASSOCIATES ARCHITECTS & ENGINEERS 1276 UNIVERSITY AVE. SAINT PAUL, MINN. 55104	DATE 10-15-63	ROOF FRAMING PLANS & DETAILS RAMSEY COUNTY LIBRARY HEAD QUARTERS BUILDING ROSEVILLE, MINNESOTA	PROJ. NO. 6212
	REVISIONS		SHEET NO. S2



- LEGEND**
- SANITARY SEWER
 - PLUMBING VENT
 - COLD WATER
 - HOT WATER
 - RECIR. HOT WATER
 - HOT WATER HEATING
 - PANEL HEATING MAINS
 - CHILLED WATER
 - STEAM PIPING
 - COND. RETURN PIPING
 - GAS
 - FOS — FUEL OIL SUPPLY
 - FOR — FUEL OIL RETURN
 - STRAINER
 - UNION
 - GATE VALVE
 - AUTO CONTROL VALVE
 - THERMOSTAT
 - FLOAT & THERM TRAP

PLUMBING CONNECTION SCHEDULE

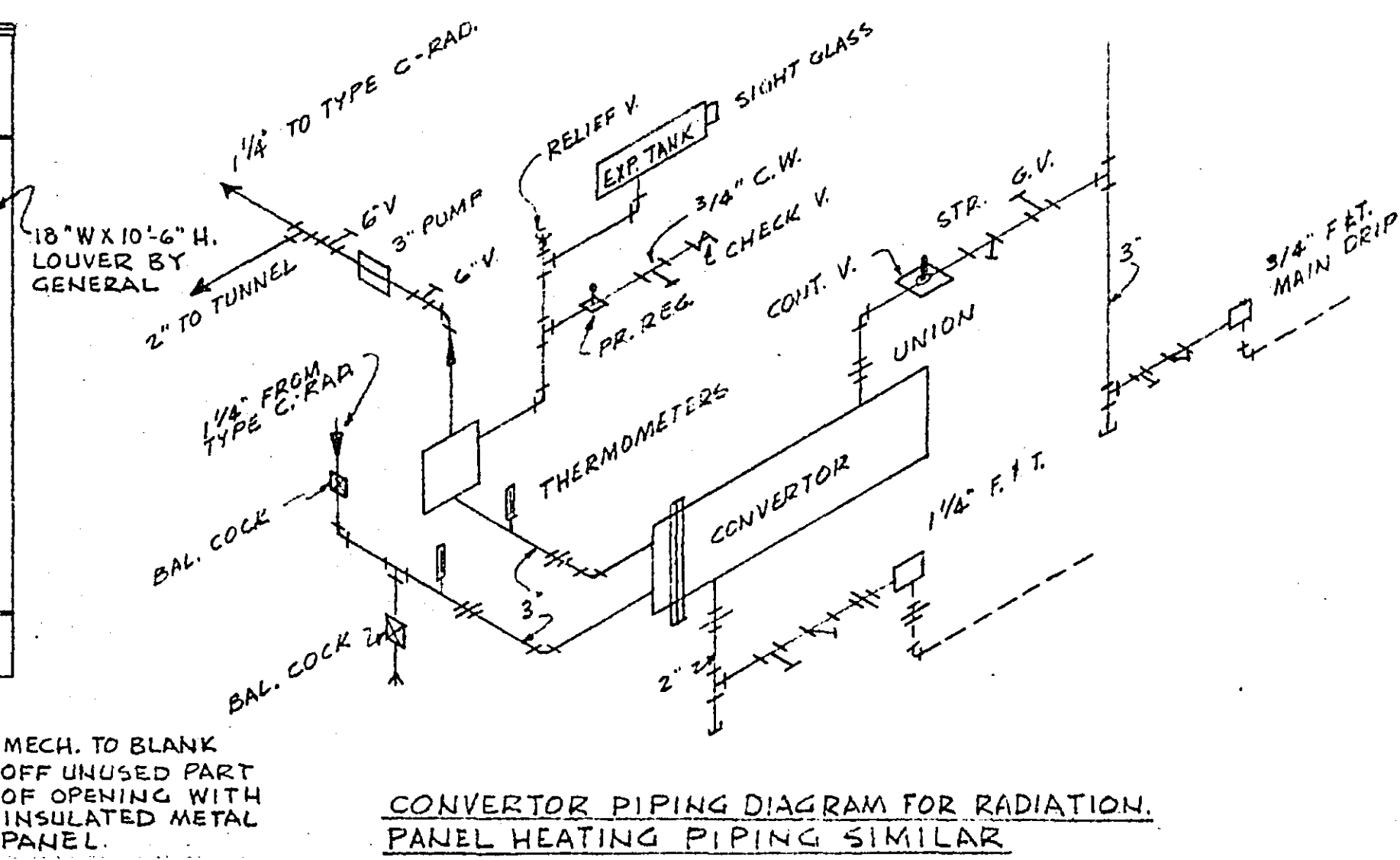
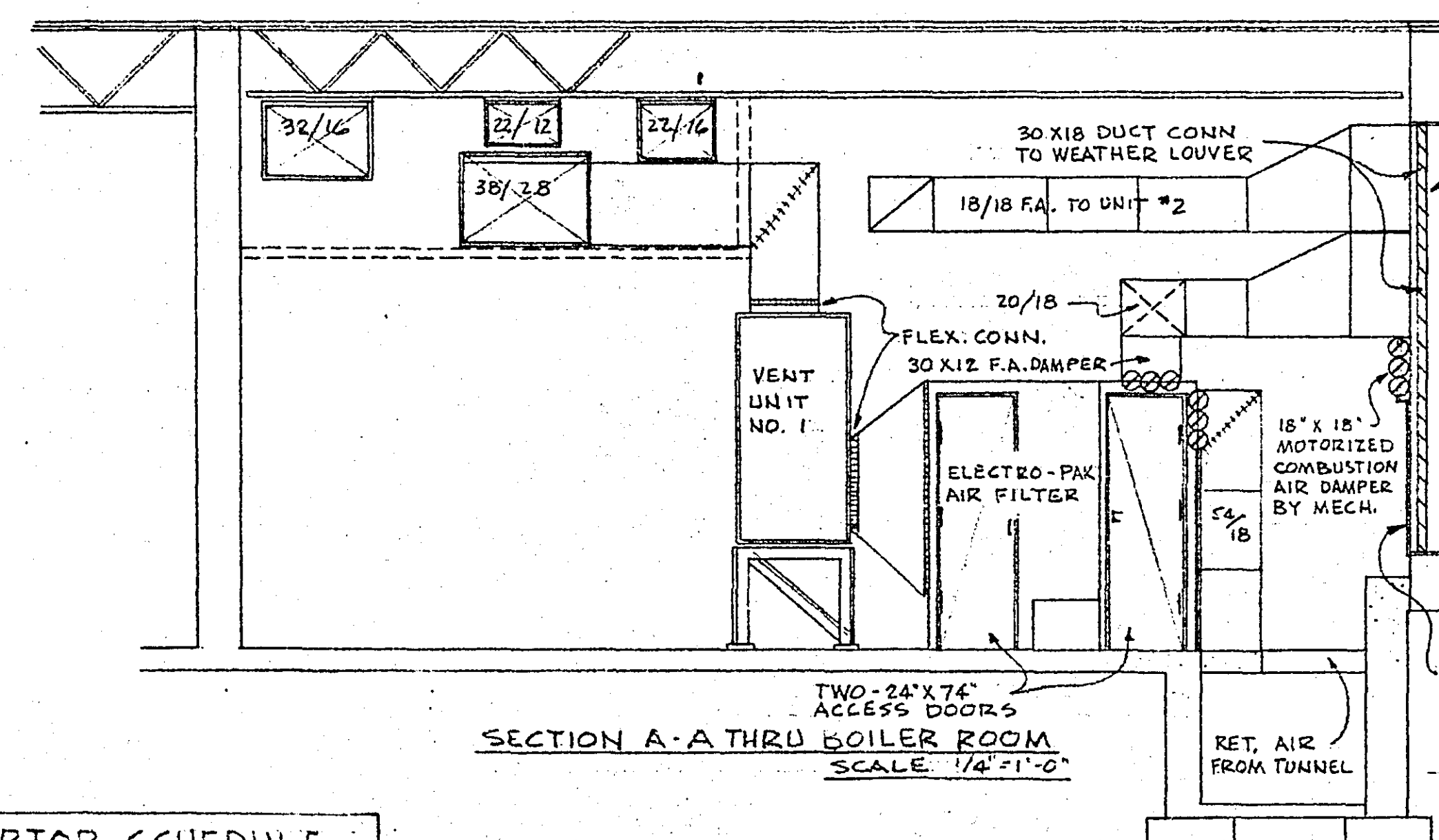
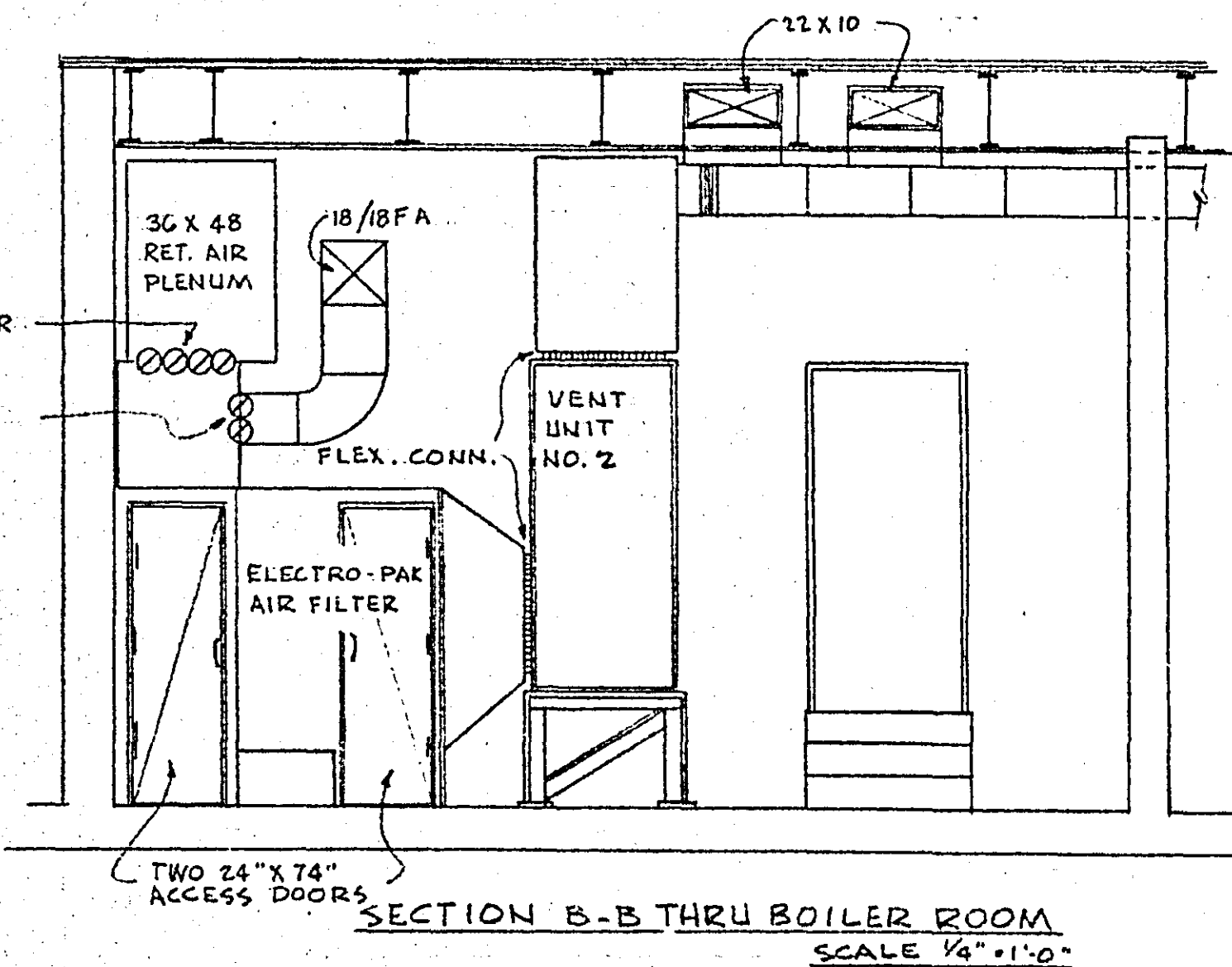
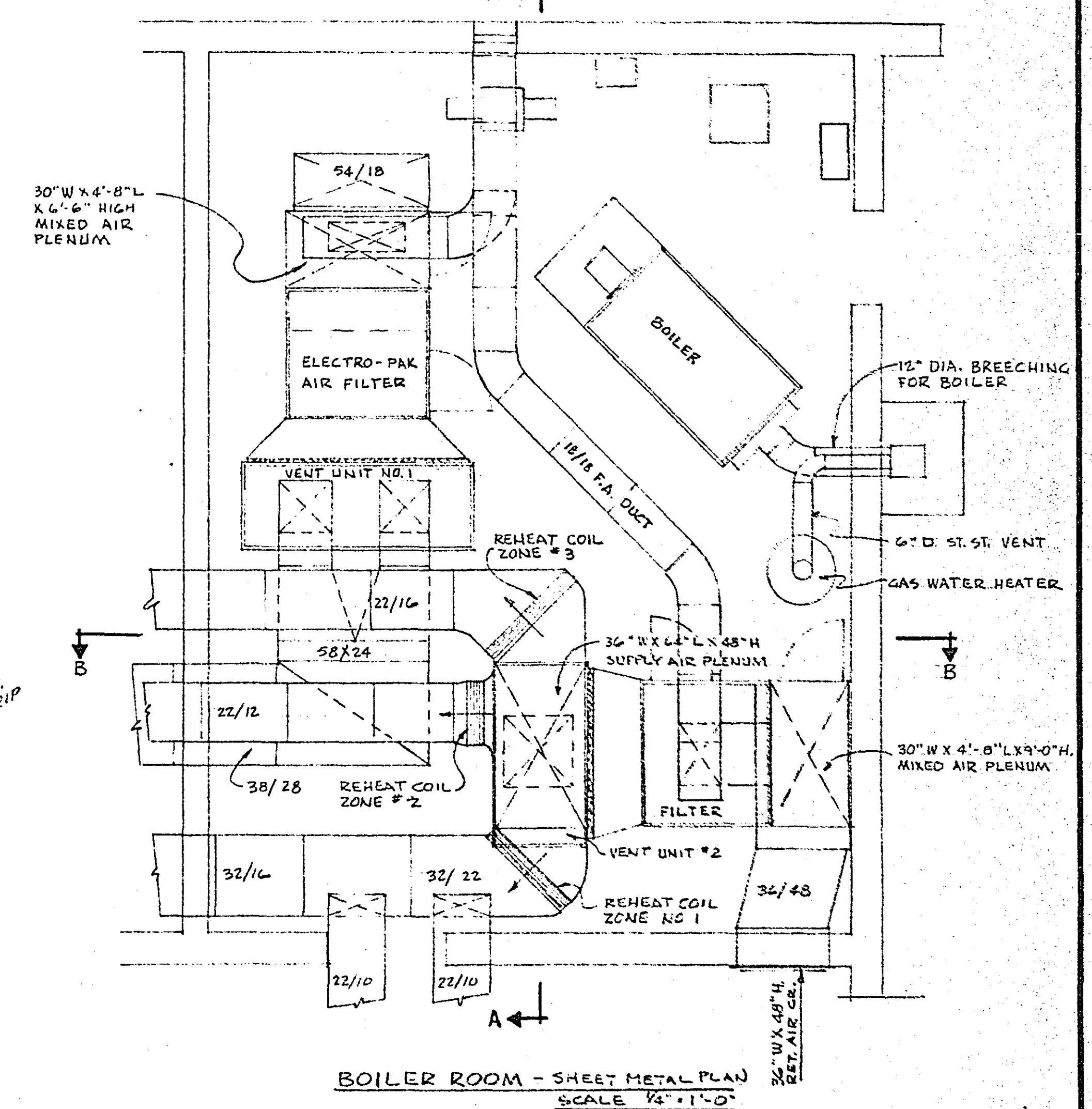
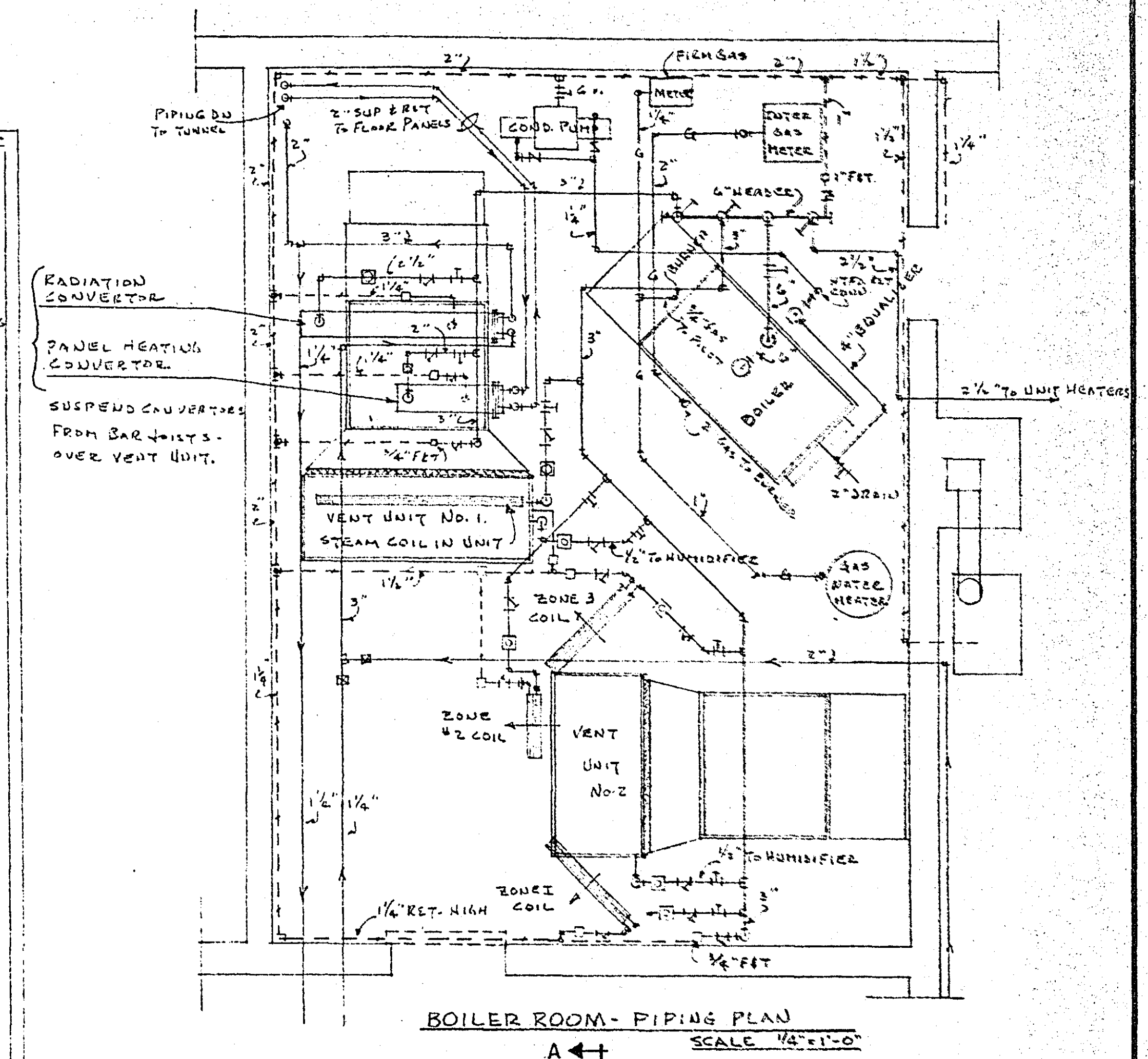
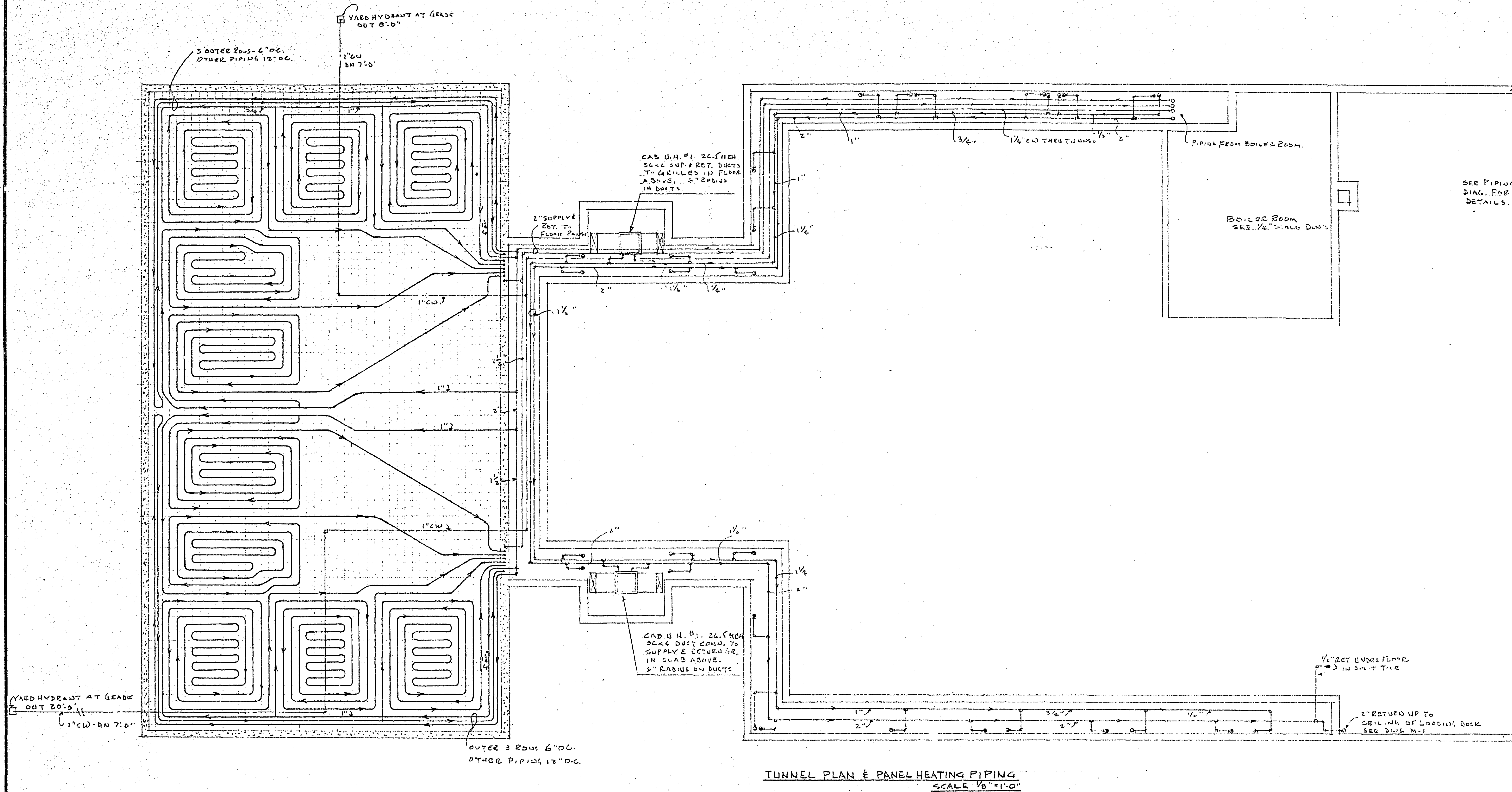
FIXTURE	WASTE	VENT	C.W.	H.W.
WATER CLOS.	4	2	1	—
URINAL	2	1 1/2	3/4	—
LAVATORY	1 1/2	1 1/2	1/2	1/2
SINK	1 1/2	1 1/2	1/2	1/2
SERV. SINK	3	2	3/4	3/4
DR. FTN.	1 1/4	1 1/4	1/2	—
HOSE BIBB	—	—	3/4	3/4
WALL HYD.	—	—	3/4	—
BOILER	—	—	1" (GATE & CHECK V.)	—
CONVERTORS	—	—	3/4"	—
GAS WTR. HTR.	—	—	1"	1"

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.

J. M. Ramsey
J. M. Ramsey Co. Eng.

Date Oct 15, 1963 Reg. No. 3395

BUETOW & ASSOCIATES ARCHITECTS & ENGINEERS 1276 UNIVERSITY AVE. SAINT PAUL 4, MINNESOTA 55104	DATE Oct 1963 REVISIONS	PLUMBING & HEATING FLOOR PLANS RAMSEY COUNTY LIBRARY HEADQUARTERS BUILDING ROSEVILLE MINNESOTA	PROJ. NO. 6212 SHEET NO. M-1 OF 2
---	----------------------------	---	---



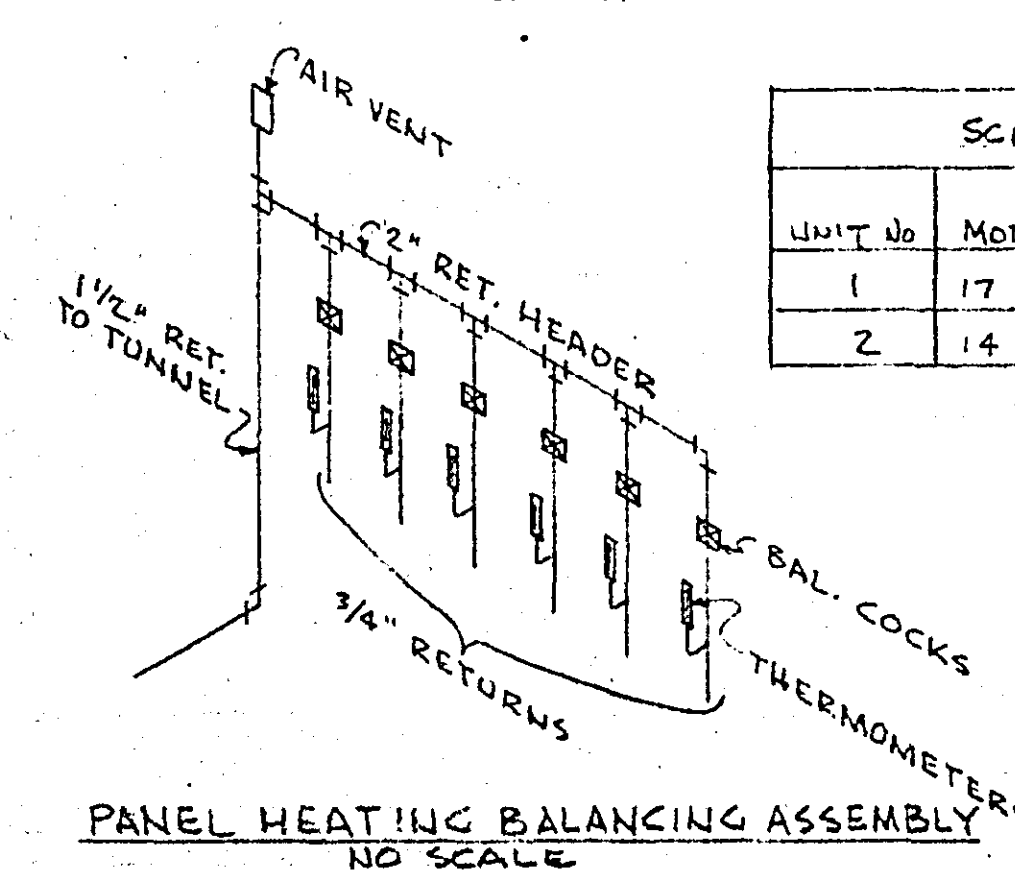
PUMP SCHEDULE					
USE	MODEL	SIZE	GPM	HEAD	MOTOR
FLOOR PANEL	HD-3	3"	36	16 1/2	1/3-120V
RADIATION	HD-3	3"	34	16 1/2	1/3-120V

RADIATION CONNECTIONS	
PIPE SIZE	MAX. MBH
1/2"	TO 11.8
3/4"	TO 26.0
1"	TO 50.0

CONVERTOR SCHEDULE	
ITEM	FLOOR PANEL RADIATION
MODEL	PK-G-31 PK-B-76
GPM	76 34
TEMP. RISE	130° TO 140° 190° TO 210°
PR. DROP-FT/H ₂ O	2.8 0.27
HTG. SURF. #	6.53 44.2
WATER CONN.	2" 3"
STEAM CONN.	2" 2 1/2"
COND. RETURN	1 1/4" 1 1/4"
AIRTROL FTG.	2" ABF 3" ABF
COMP. TK SIZE	*30-14X51 *30-14X51
ASME REL. V.	*250 *350

SCHEDULE OF STEAM COILS							
COIL	CFM	TYPE	SIZE	FACE VEL.	TEMP. RISE	STEAM	RETURN
UNIT NO. 1 MAIN COIL	8900	N5-35	30X78	550'/M	55° TO 103°	2 1/2"	1 1/2"
UNIT NO. 2							
ZONE 1	4740	N5-34	30X42	550'/M	55° TO 95°	2"	1 1/4"
" 2	1100	N5-34	12X24	550'/M	55° TO 95°	1 1/4"	3/4"
" 3	1885	N5-34	12X42	550'/M	55° TO 95°	1 1/4"	1"

NOTE: COIL DRIP LEGS TO BE FULL SIZE OF COIL TAPPING. RETURN SIZE NOTED IS FET TRAP SIZE AND RUNG TO TRAP. TEMP. RISE BASED ON STEAM @ 2 PSIG.

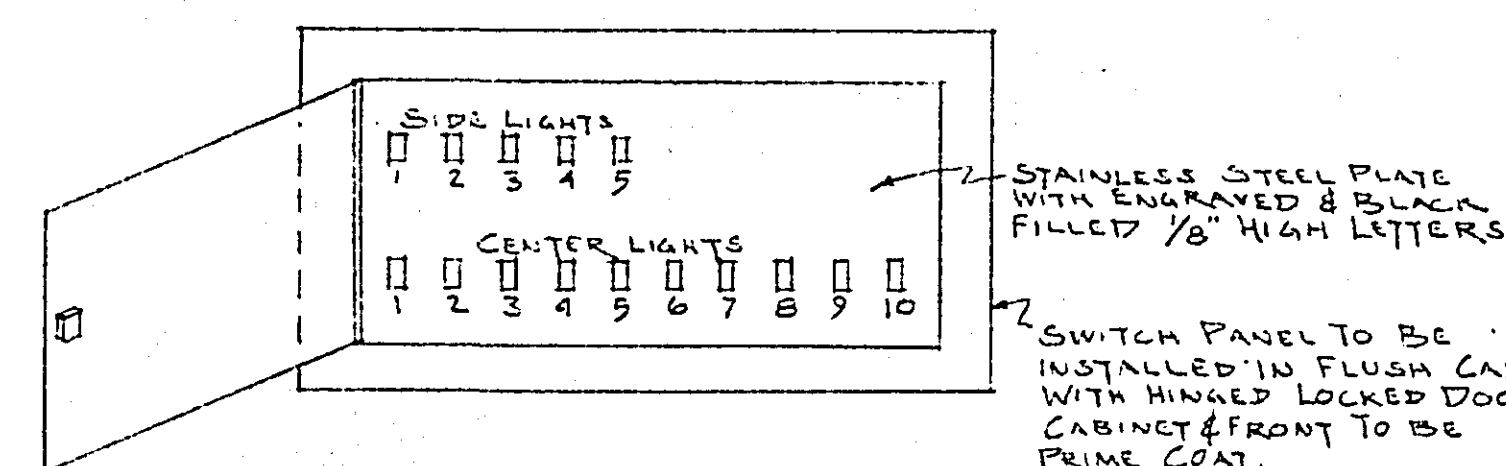


SCHEDULE OF AIR-CONDITIONING UNITS											
UNIT NO.	MODEL	CFM	O.V.	S.P.	RPM	HP	COOL TON	TYPE	ROWS	ENT. AIR COND.	LV. AIR COND.
1	17 LPOT	8700	1410	2.25	1050	7 1/2	30X81	W-15	6	80° DB, 67° WB	54° DB
2	14 LPOT	7260	1115	2.00	720	5	33X60	W-15	6	"	"

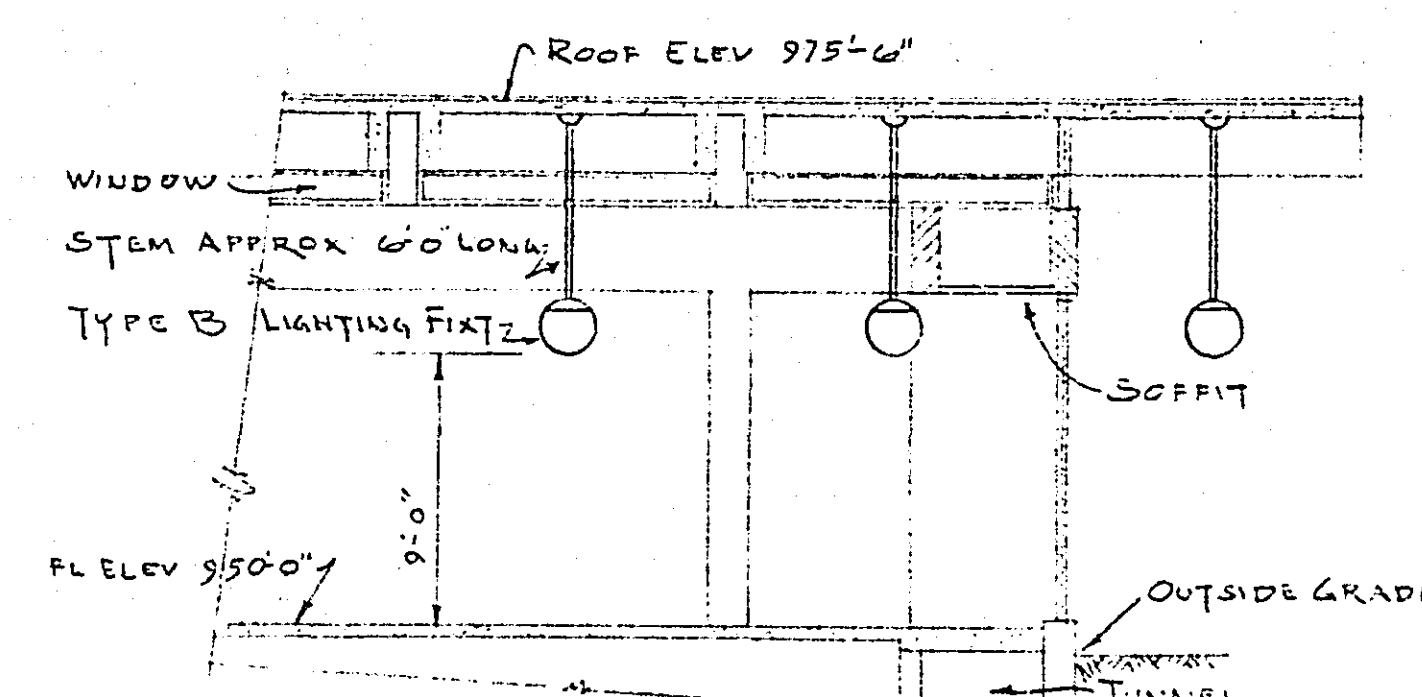
A BASED ON CHILLER WATER SUPPLY AT 42° F. 10° RISE

BUETOW & ASSOCIATES ARCHITECTS & ENGINEERS 1276 UNIVERSITY AVE. SAINT PAUL 4, MINNESOTA 55104	DATE OCT 15, 1963	TUNNEL PLAN & PIPING DETAILS RAMSEY COUNTY LIBRARY HEADQUARTERS BUILDING ROSEVILLE MINNESOTA	PROJ. NO. 6212
	REVISIONS		SHEET NO. M-2 OF 2

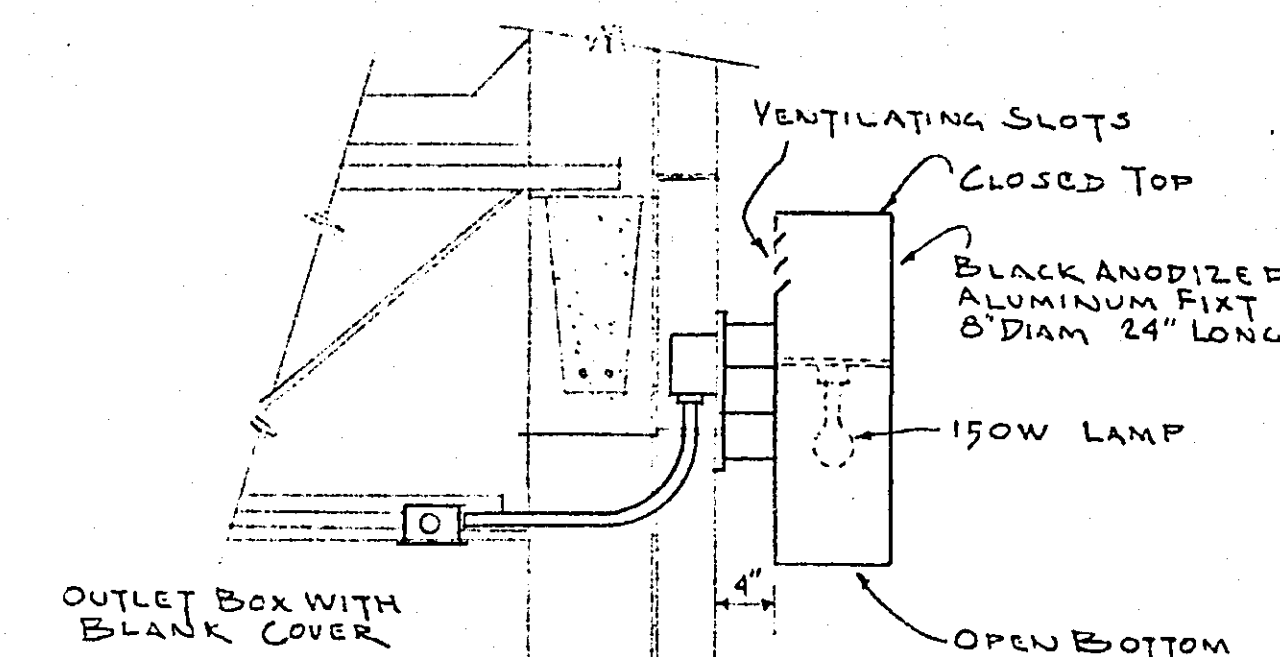
SECTION A-A THRU LUMINOUS CEILING
SCALE: $\frac{3}{8}" = 1'-0"$



DETAIL- READING ROOM SWITCH
PANEL

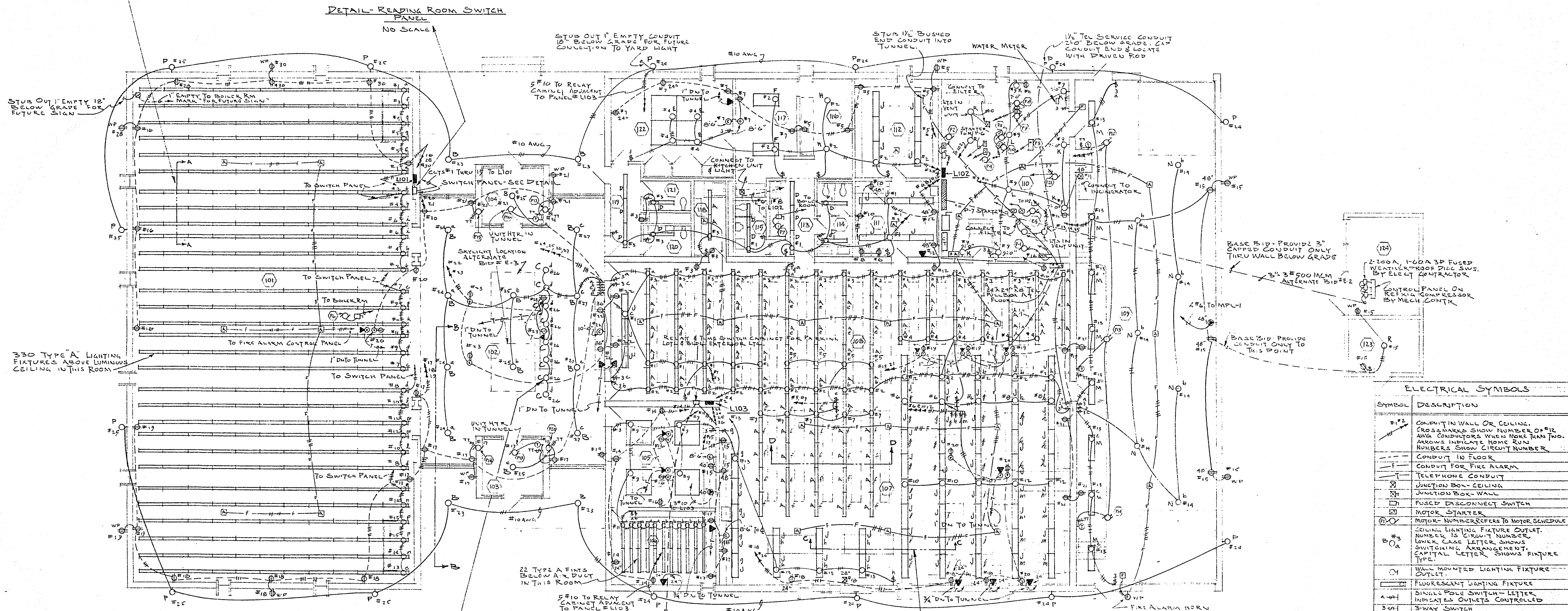


SECTION B-B THRU LOBBY



TYPE P FIXTURE DETAIL
SCALE: $\frac{3}{4}" = 1'-0"$

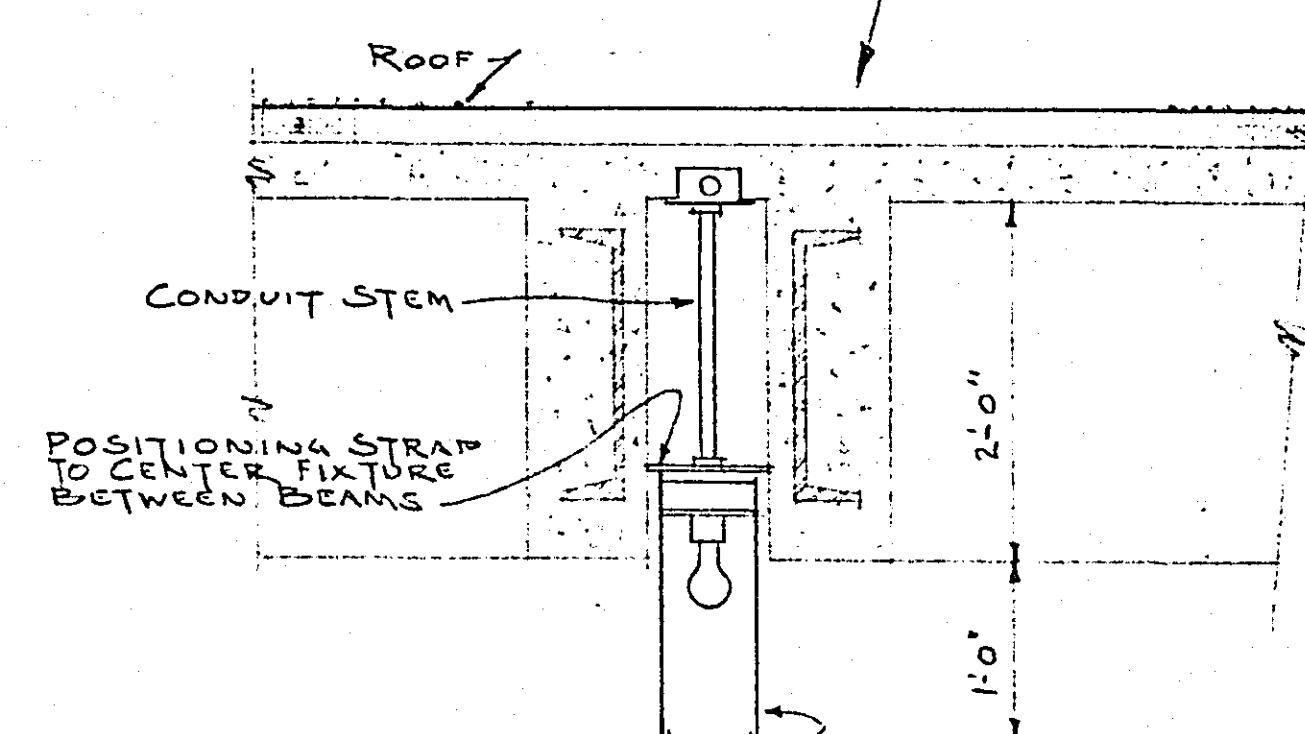
POWER OUTPUT SCHEDULE							
OUTLET NO.	LOCATION	ITEM	HP	VOLTAJE	FCF/PM	WIRE SIZE	REMARKS
P-1	RM#110	CHILLED WAT CIRC PUMP	1/2	240-3 Φ	MP-1	3Φ10	
P-2	RM#110	TEMP CONTROLLER COMP.	1/2	240-3 Φ	MP-1	3Φ12	
P-3	RM#110	BOILER	1/2	240-3 Φ	MP-1	3Φ10	CONNECT TO CONTROL PANEL
P-4	RM#110	AIR COND UNIT#1	5	240-3 Φ	MP-1	3Φ6	
P-5	RM#110	" " " #2	5	240-3 Φ	MP-1	3Φ10	
P-6	EXP#101	EXHAUST FAN	1/6	120-1 Φ	L101	2Φ12	TO START WITH P-4
P-7	EXP#101	EXHAUST FAN	1/6	120-1 Φ	L102	2Φ12	TO START WITH P-5
P-8	RM#110	CONDENSATE PUMP	1/3	120-1 Φ	L102	2Φ12	
P-9	RM#110	CONDENSATE PUMP	1/3	120-1 Φ	L102	2Φ12	
P-10	RM#110	HYD SYSTEM CIRC PUMP	1/3	120-1 Φ	L102	2Φ12	
P-11	RM#110	PANEL HEATING PUMP	1/3	120-1 Φ	L102	2Φ12	
P-12	RM#109	UNIT HEATER	1/8	120-1 Φ	L102	2Φ12	WIRE THRU 3 SPEED SW & THERM
P-13	RM#109	" " " "	1/8	120-1 Φ	L102	2Φ12	" " " " " " " "
P-14	RM#109	" " " "	1/8	120-1 Φ	L102	2Φ12	" " " " " " " "
P-15	RM#102	" " " "	1/6	120-1 Φ	L101	2Φ12	CONNECT THRU P.E. SW
P-16	RM#102	" " " "	1/6	120-1 Φ	L101	2Φ12	CONNECT THRU THERMOSTAT
P-17	RM#102	" " " "	1/6	120-1 Φ	L101	2Φ12	" " " " P.E. SWITCH
P-18	RM#102	" " " "	1/6	120-1 Φ	L101	2Φ12	" " " " " " " "
P-19	TUNNEL COMP#104	" " " "	1/6	120-1 Φ	L101	2Φ12	CONNECT THRU THERMOSTAT
P-20	RM#102	" " " "	1/6	120-1 Φ	L101	2Φ12	CONNECT THRU P.E. SWITCH
P-21	RM#102	HW CIRC PUMP	1/6	120-1 Φ	L102	2Φ12	WIRE THRU A QUANTAT



ELECTRICAL SYMBOLS

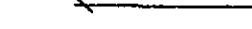
SYMBOL	DESCRIPTION
	CONDUIT IN WALL OR CEILING. ROSS MARKS SHOW NUMBER OF R AWG CONDUCTORS WITH MORE THAN TWO. ARROWS INDICATE HOME RUN NUMBERS SHOW CIRCUIT NUMBER
	CONDUIT IN FLOOR
	CONDUIT FOR FIRE ALARM
	TELEPHONE CONDUIT
	JUNCTION BOX - CEILING
	JUNCTION BOX - WALL
	FUSED DISCONNECT SWITCH
	MOTOR STARTER
	MOTOR - NUMBER REFERS TO MOTOR SCHEDULE
	CEILING LIGHTING FIXTURE OUTLET. NUMBER IS CIRCUIT NUMBER. LOWER CASE LETTER SHOWS SWITCHING ARRANGEMENT. CAPITAL LETTER SHOWS FIXTURE TYPE
	WALL-MOUNTED LIGHTING FIXTURE OUTLET.
	FLUORESCENT LIGHTING FIXTURE
	SINGLE POLE SWITCH - LEFT INDICATES OUTLETS CONTROLLED
	3-WAY SWITCH
	THERMAL OVERLOAD TOGGLE SWITCH
	THERMAL OVERLOAD SWITCH & PILOT
	DUPLEX RECEPTACLE - DIMENSION INDICATES HEIGHT IN INCHES ABOVE FLOOR.
	WEATHERPROOF RECEPTACLE.
	CLOCK & OUTLET - SEE SPEC.
	BRANCH CIRCUIT PANELBOARD
	FIRE ALARM STATION - MANUAL
	FIRE ALARM STATION - AUTOMATIC
	FIRE ALARM HORN - EXTERIOR
	THERMOSTAT
	FLOOR OUTLET - DUPLEX RECEPTACLE
	FLOOR OUTLET - TELEPHONE
	220 VOLT RECEPTACLE
	TELEPHONE OUTLET - WALL-MOUNTED

MICROFILMED
RAMEY CO.

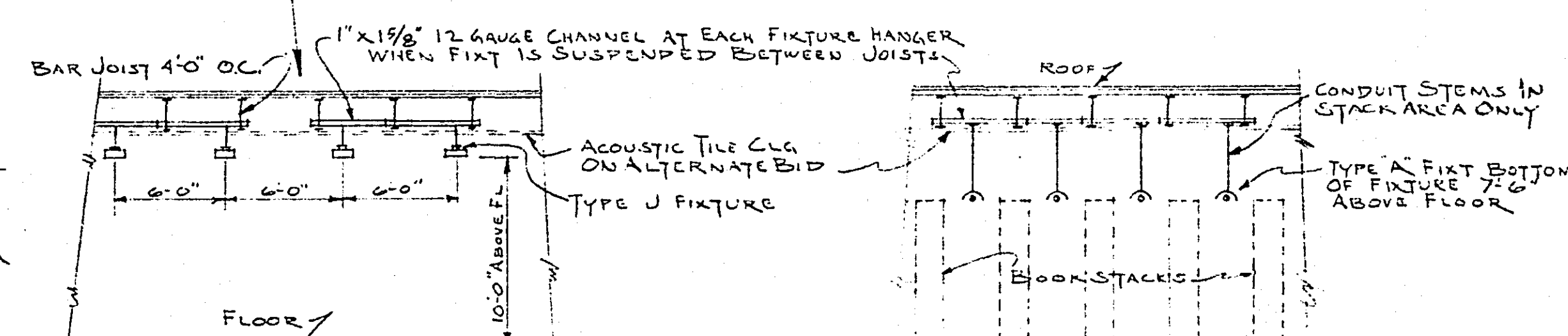


TYPE C LIGHTING FIXT DETAIL & MOUNTING
SCALE: $\frac{3}{8}" = 1'-0"$

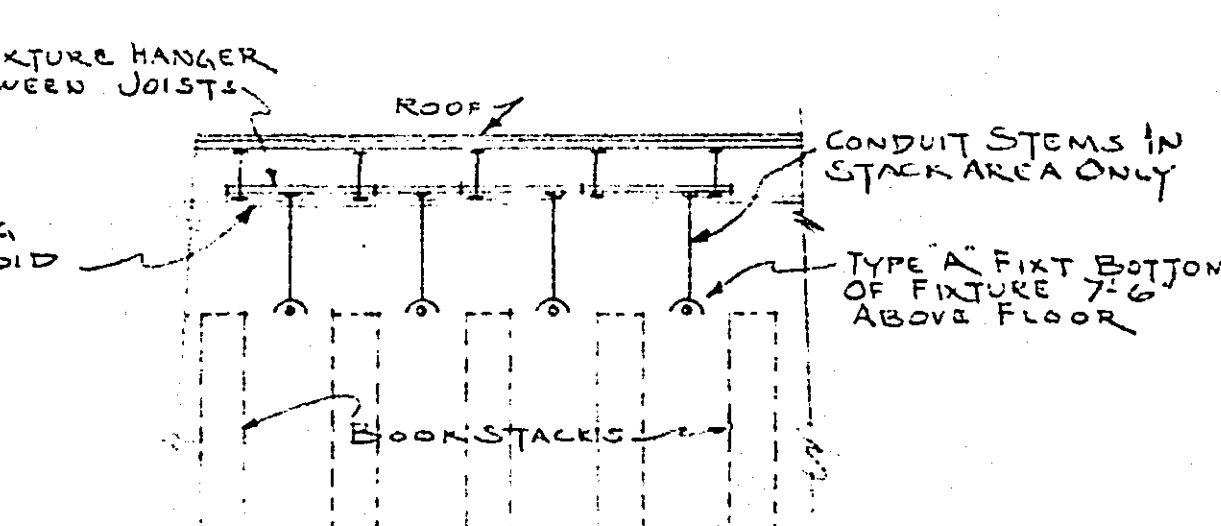
FLOOR PLAN - ELECTRIC
SCALE: $\frac{1}{8}'' = 1'-0''$



A horizontal line with an arrow pointing to the right, labeled "NORTH". A circle is drawn around the center of the line.



SECTION C-C ROOM #107 SHOWING
TYPE J FIXTURE MOUNTING
SCALE: 1/8"=1'-0"



SECTION D-D SHOWING
TYPE A FIXTURE MOUNTING
SCALE: $\frac{1}{8}'' = 1'-0''$

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.

Thomas A Johnson
Date OCT. 15, 1962 Reg. No. 5910

**BUETOW
& ASSOCIATES**

**ARCHITECTS
& ENGINEERS**
1276 UNIVERSITY AVE.
SAINT PAUL 4, MINNESOTA
645-3941

DATE
10-15-62

REVISIONS

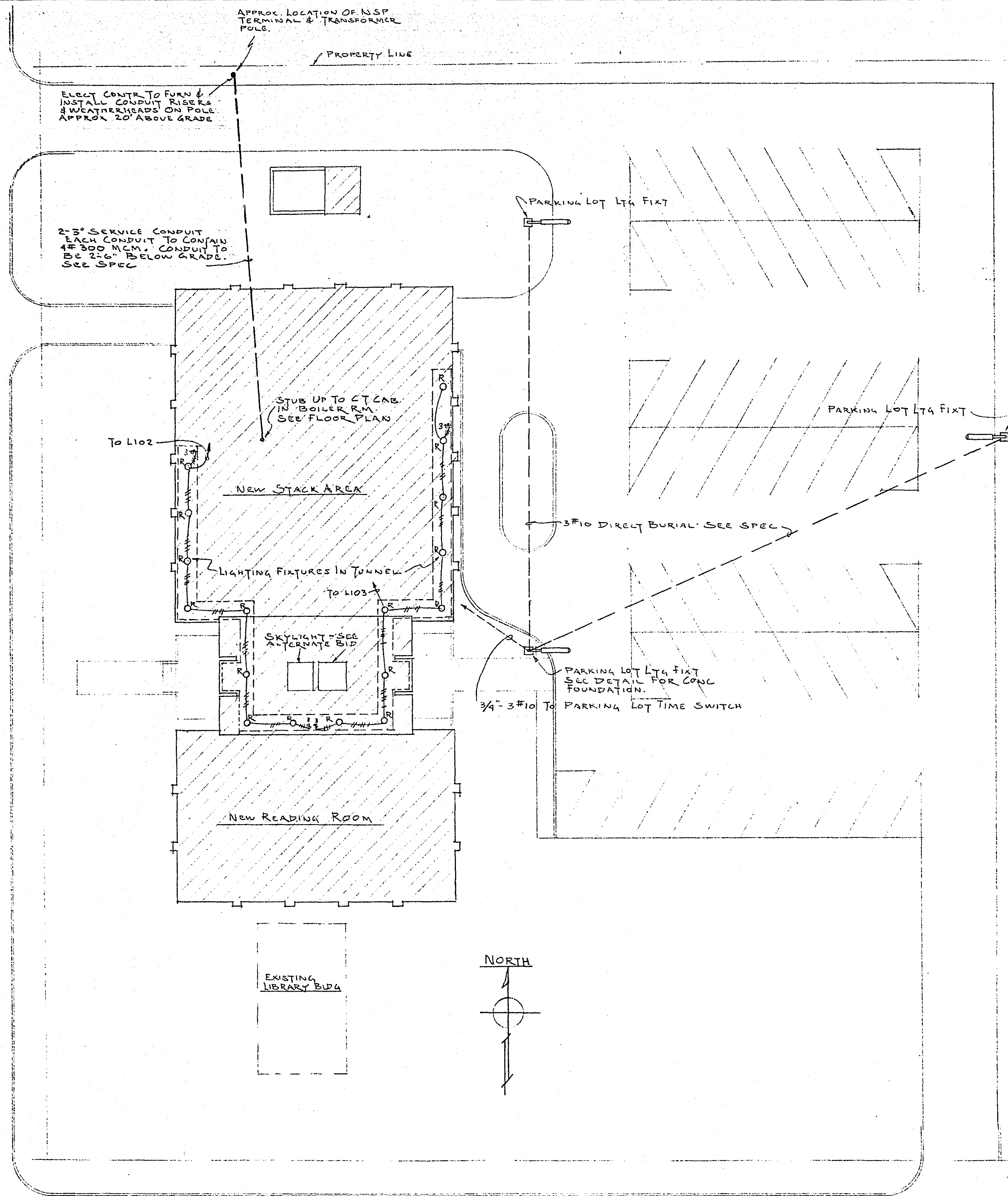
ELECTRICAL FLOOR PLAN

RAMSEY COUNTY LIBRARY
HEADQUARTERS BUILDING
ROSEVILLE, MINNESOTA

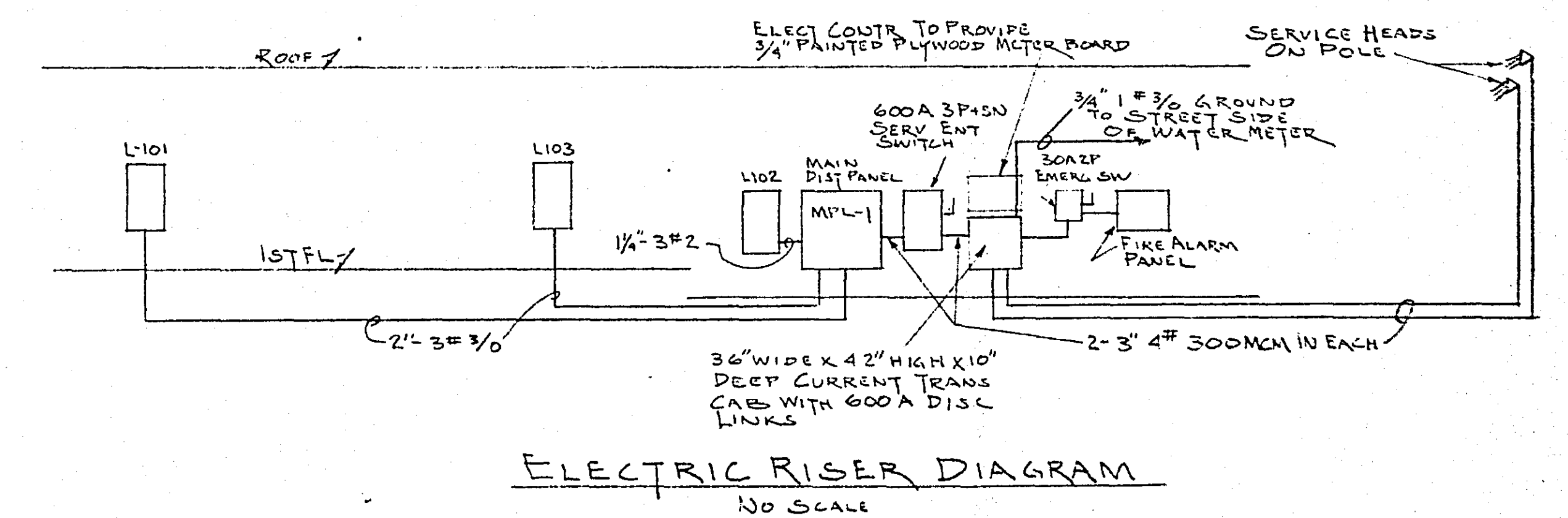
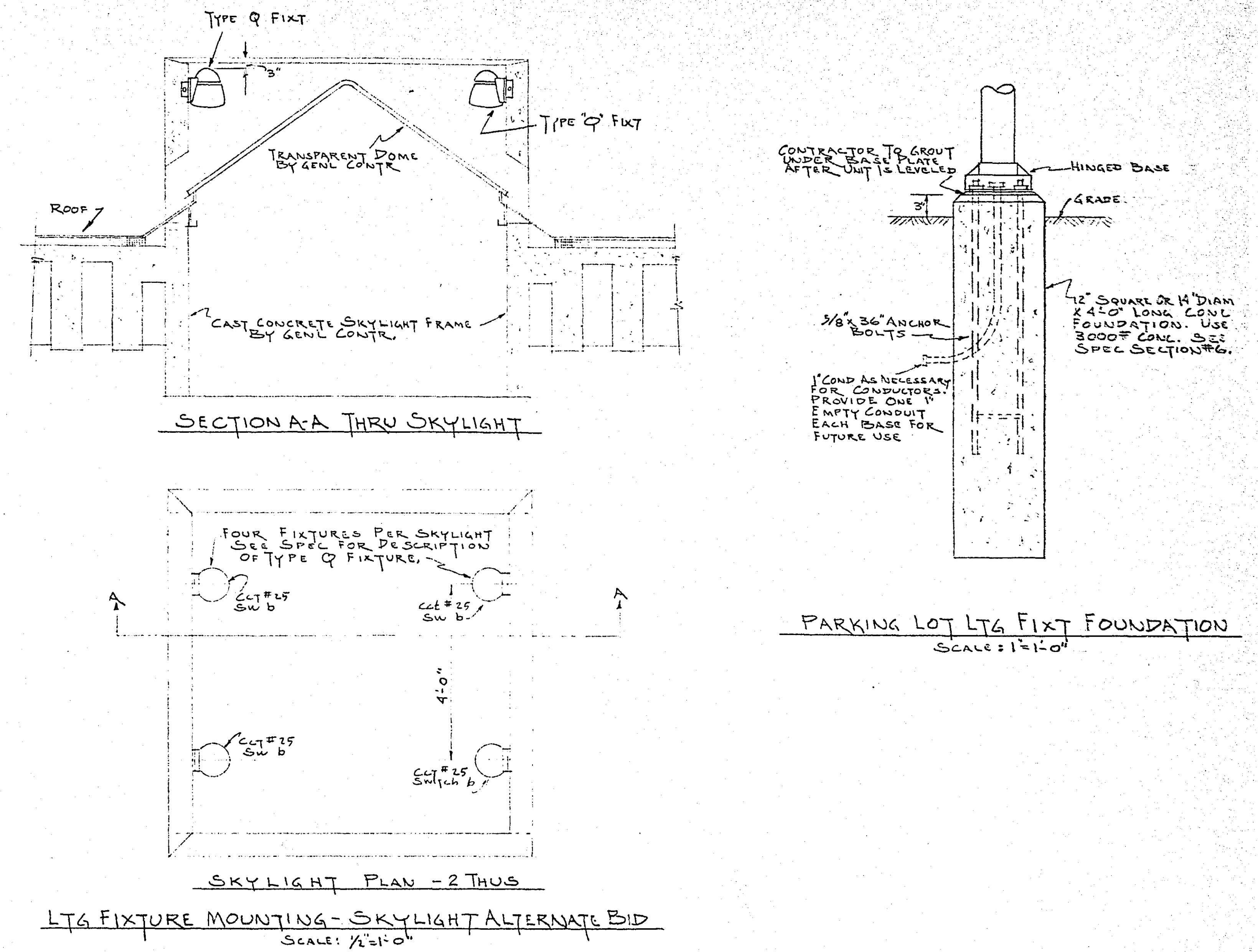
PROJ. NO
6212

SHEET NO
E-1

1/4 HAMLINE AVENUE



ELECT PLOT PLAN
SCALE 1"=20'-0"



BUETOW & ASSOCIATES ARCHITECTS & ENGINEERS 1278 UNIVERSITY AVE. SAINT PAUL, MINNESOTA 55104	DATE 10-15-63	ELECTRICAL PLOT PLAN	PROJ. NO. 6212
	REVISIONS		SHEET NO. E-2
		RAMSEY COUNTY LIBRARY HEADQUARTERS BUILDING ROSEVILLE, MINNESOTA	OF 59-106