

3377 RICE ST.

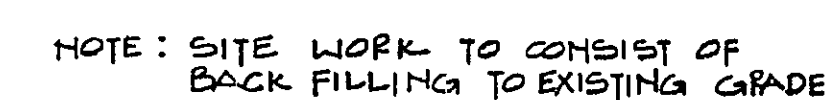
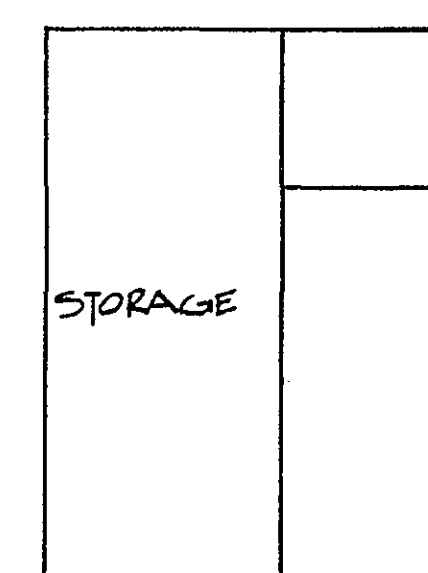
ARCHITECTURAL

- ## STRUCTURAL

- ## MECHANICAL

- ELECTRICAL

- E 1 SITE PLAN
- E 2 LIGHTING PLAN
- E 3 POWER AND SIGNAL
- E 4 SCHEDULE AND DETAILS



LOCATION OF EXISTING
BOILER ROOM - SEE MECH.
FOR UTILITY CONNECTION

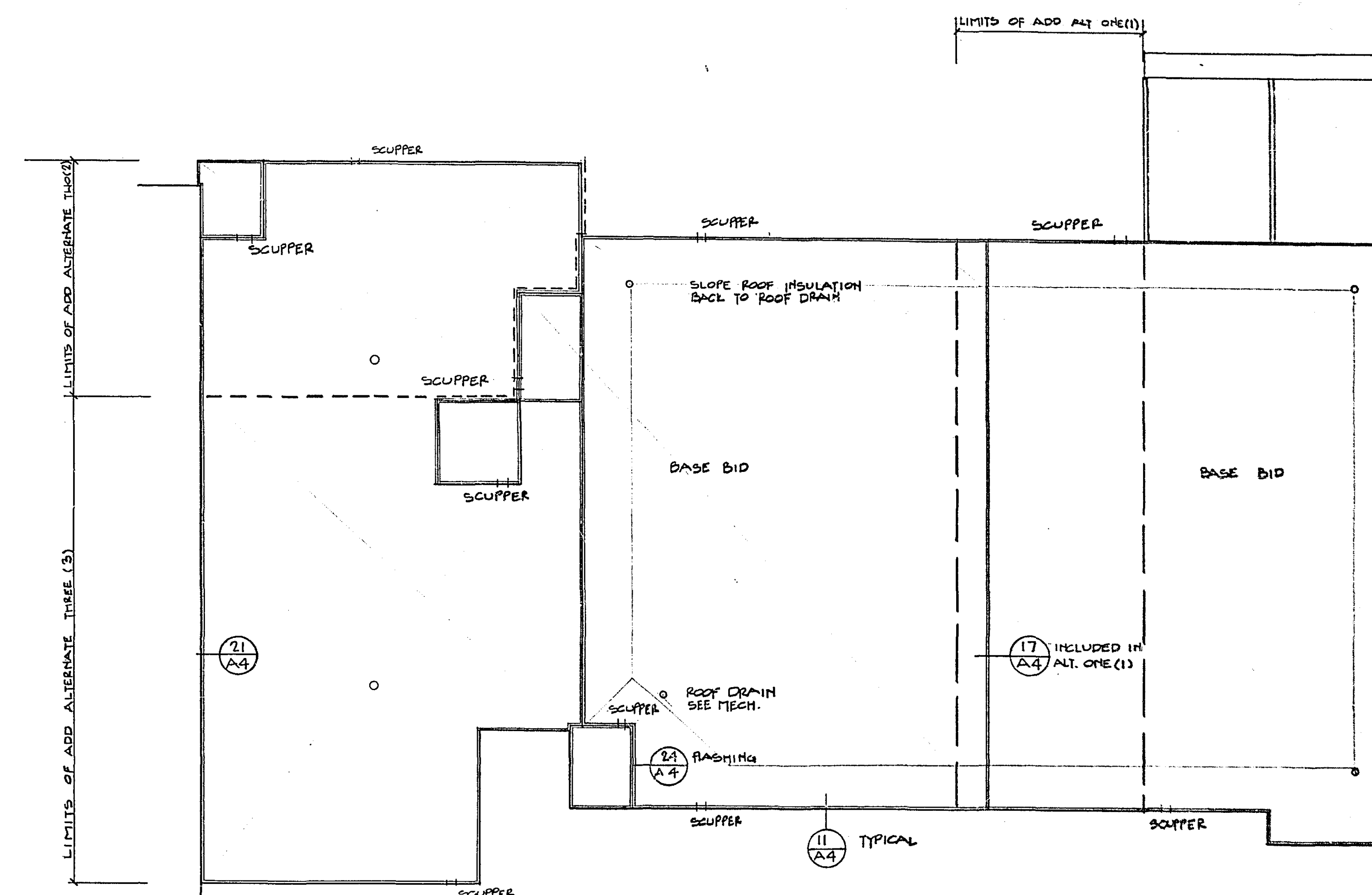
RAMSEY COUNTY HIGHWAY GARAGE
EXISTING BUILDING

SHERIFF PATROL
STATION

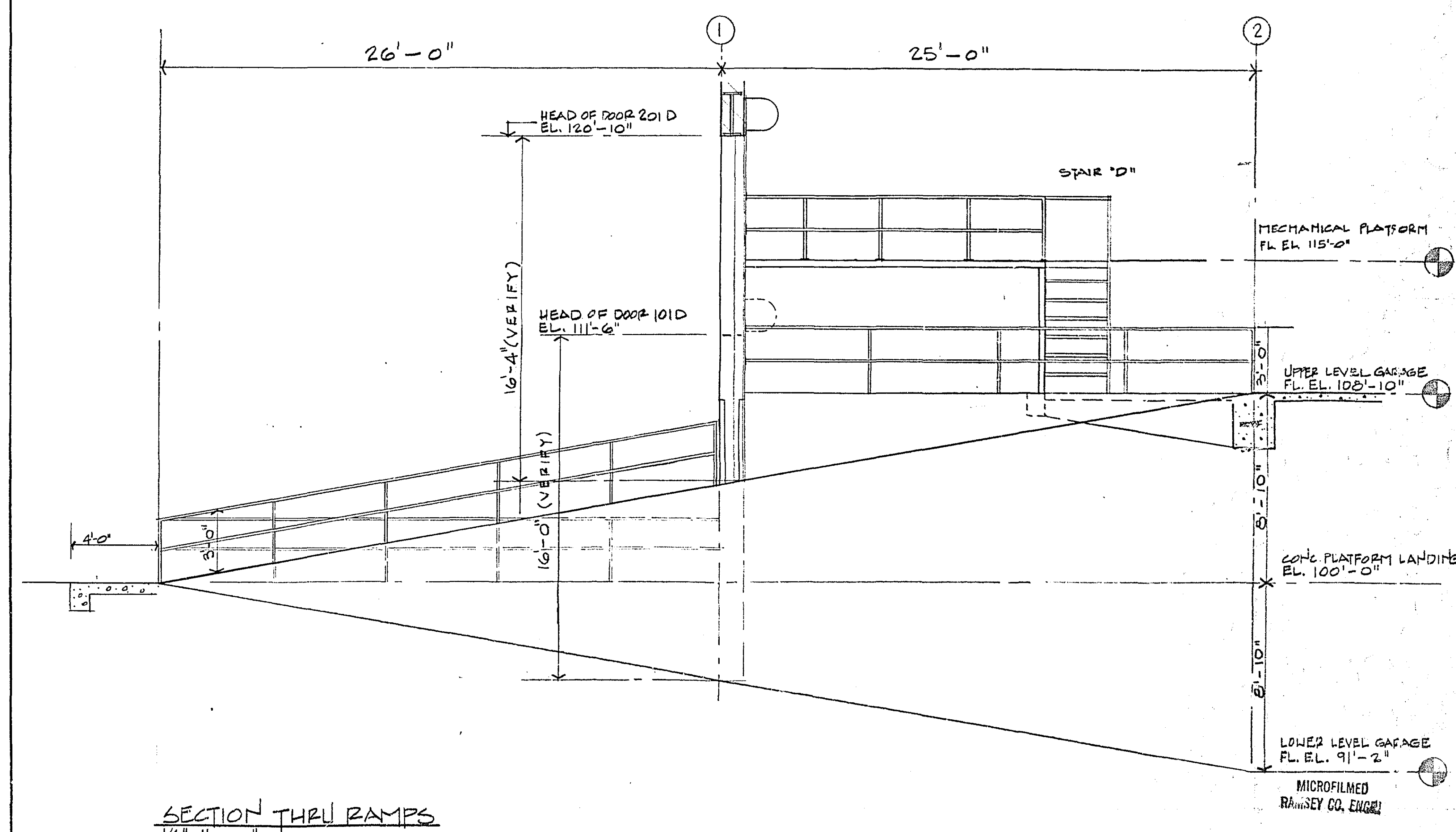
INTERSTATE No. 694 RIGHT OF WAY

→ NORTH

SITE PLAN
1" = 30'



ROOF PLAN
SCALE 1/16" = 1'-0"



SECTION THRU RAMPS
1/4" = 1' - 0"

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, C.R REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF

Rockland T. Fawcett MINN DATE 23 MAY 69
REG NO 2126
REG NO

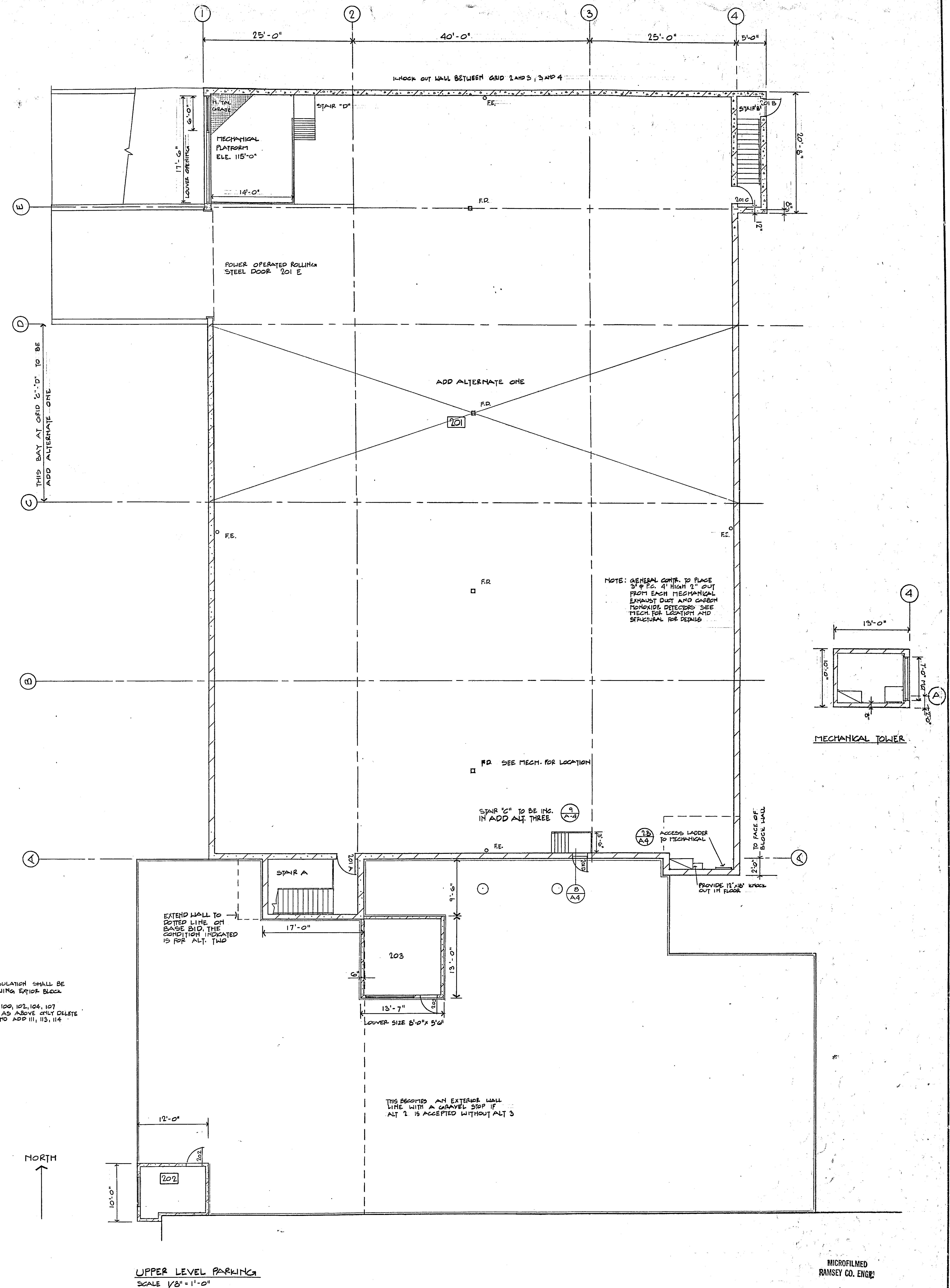
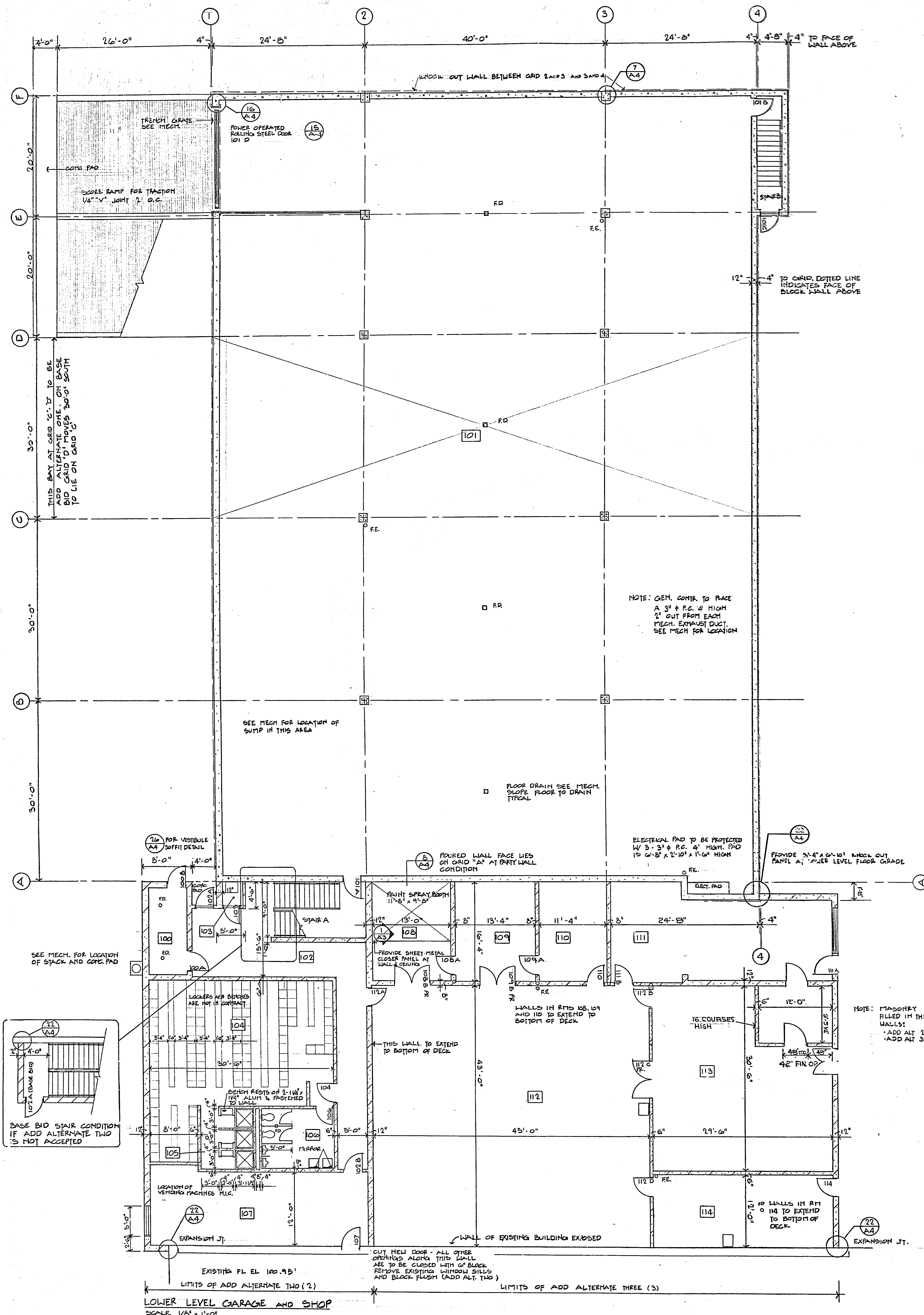
PROJECT NUMBER
528-9
DATE 22 MAY 69
DRAWN BY
CHECKED

RAMSEY COUNTY HIGHWAY TRUCK PARKING ADDITION AND SIGN SHOP
3377 RICE ST. ST. PAUL, MINNESOTA

SITE PLAN

THE CERNY ASSOCIATES INC
ARCHITECTURE ■ ENGINEERING ■ PLANNING
MAIN OFFICES • MINNEAPOLIS AND SAINT PAUL, MINNESOTA

A-1



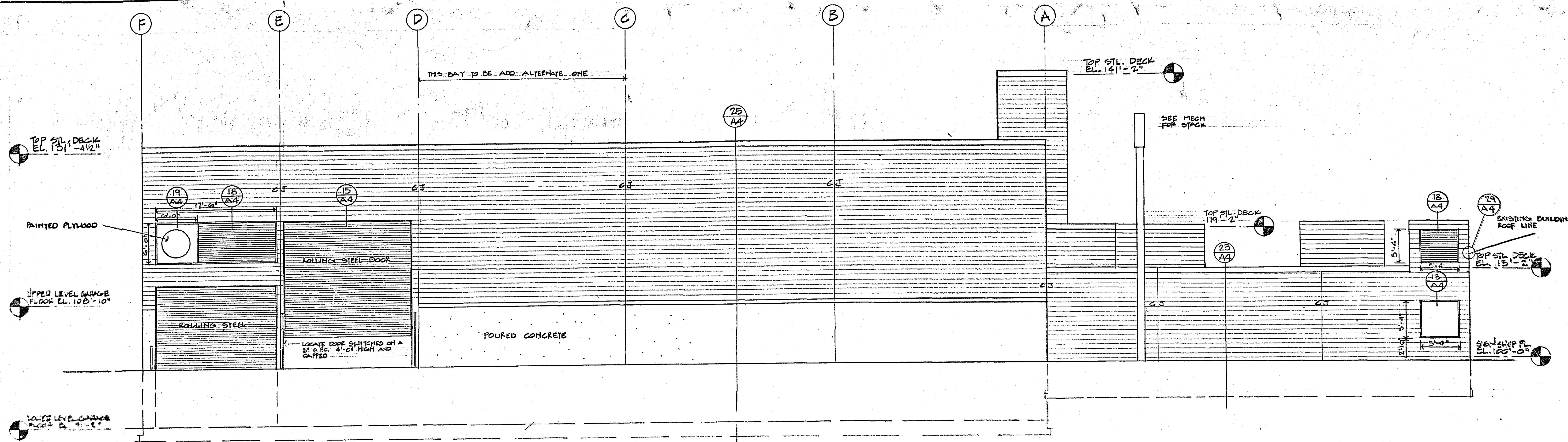
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE 12 MAY 69
 DRAWN T. FARLEY
 CHECKED T. FARLEY
 PROJECT NUMBER 68-9
 REG. NO. 2105

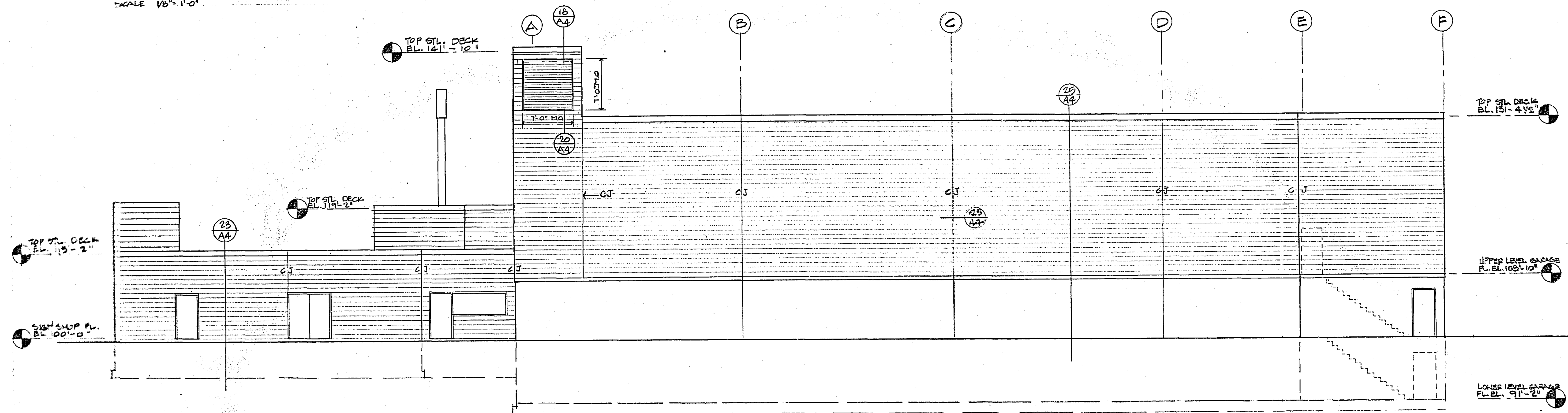
RAMSEY COUNTY HIGHWAY TRUCK PARKING ADDITION AND SIGN SHOP

FLOOR PLANS

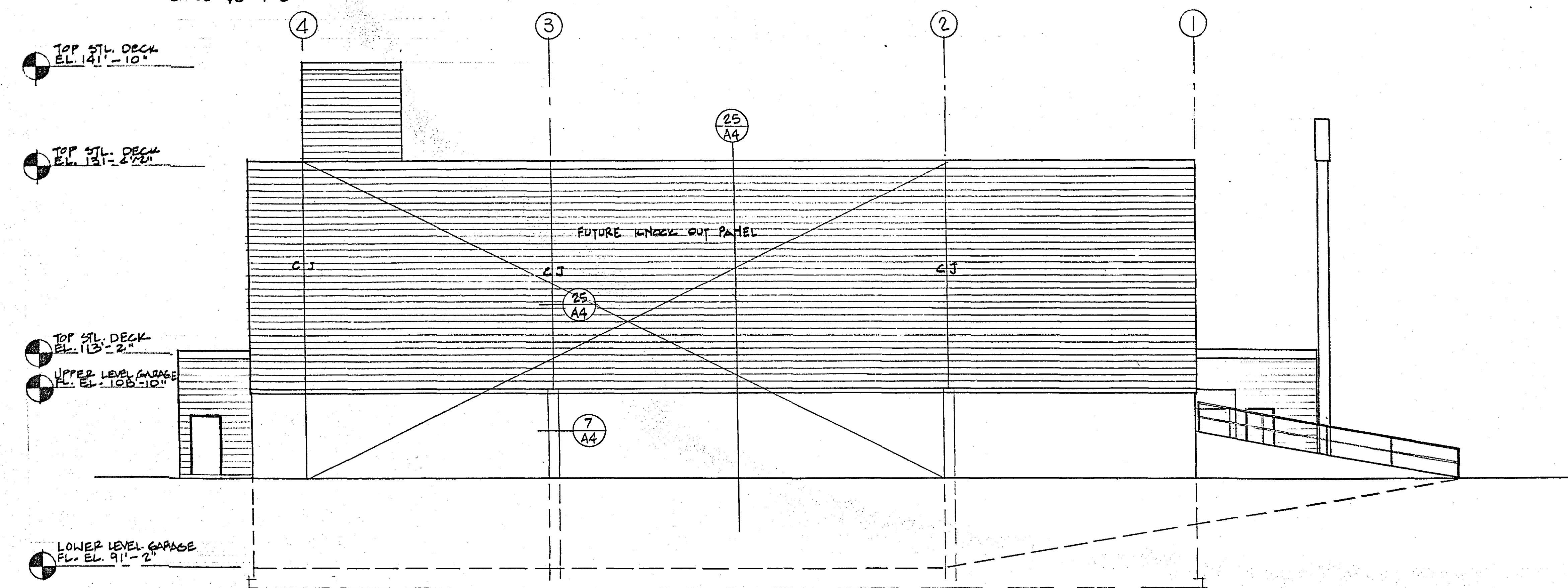
THE CERNY ASSOCIATES INC
 ARCHITECTURE • ENGINEERING • PLANNING
 MAIN OFFICES • MINNEAPOLIS AND SAINT PAUL, MINNESOTA



WEST ELEVATION
SCALE 1/8" = 1'-0"



EAST ELEVATION
SCALE 1/8" = 1'-0"



NORTH ELEVATION
SCALE 1/8" = 1'-0"

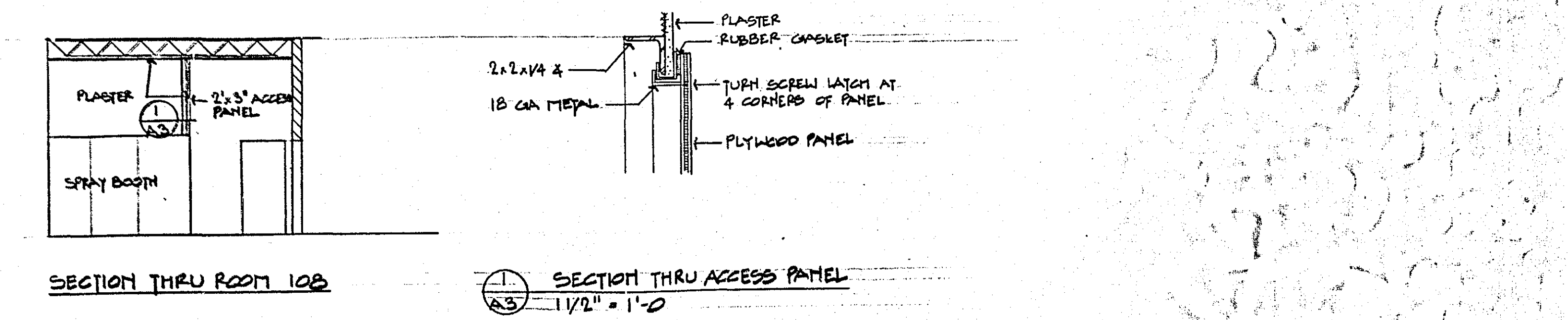
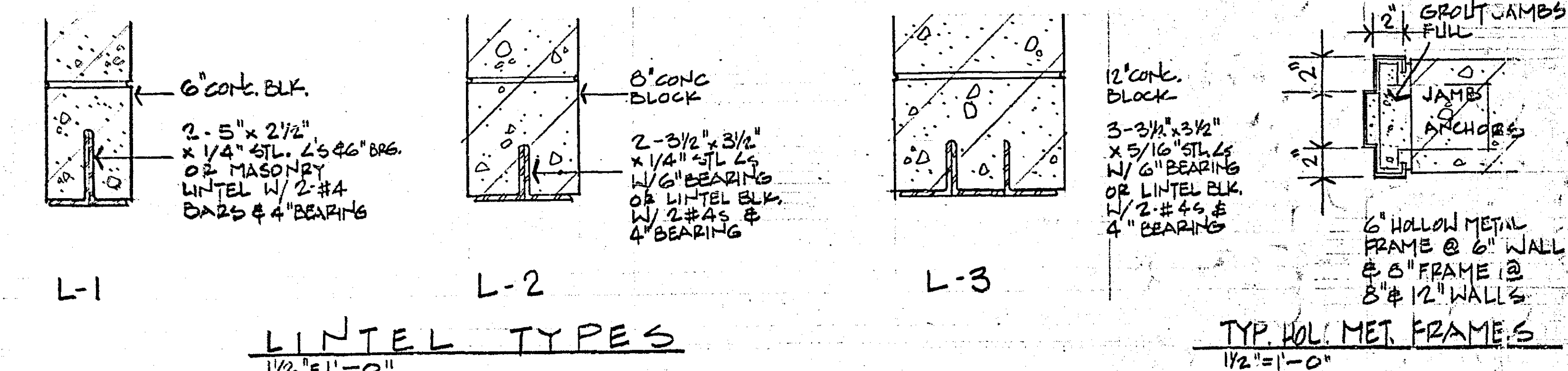
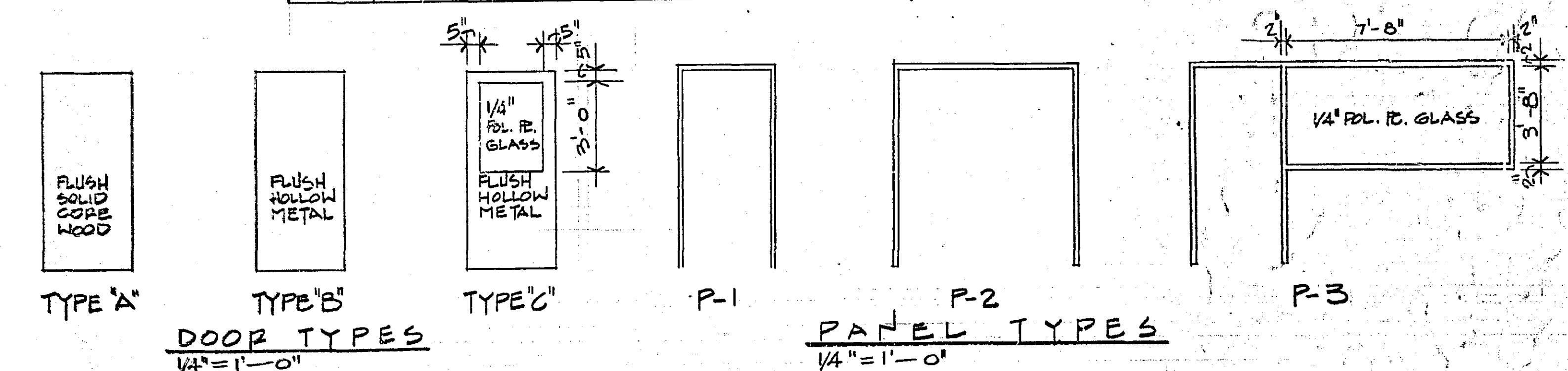
ROOM FINISH SCHEDULE

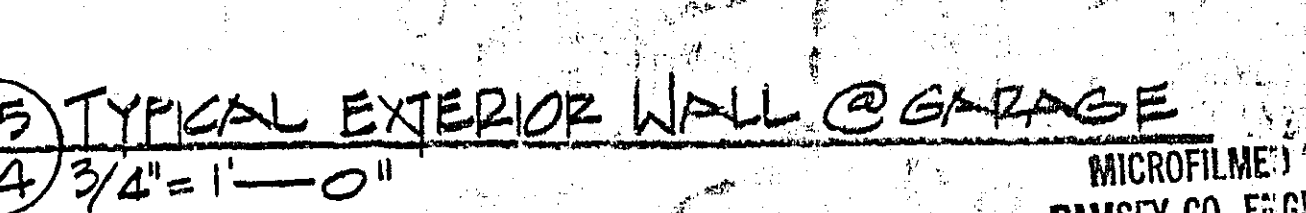
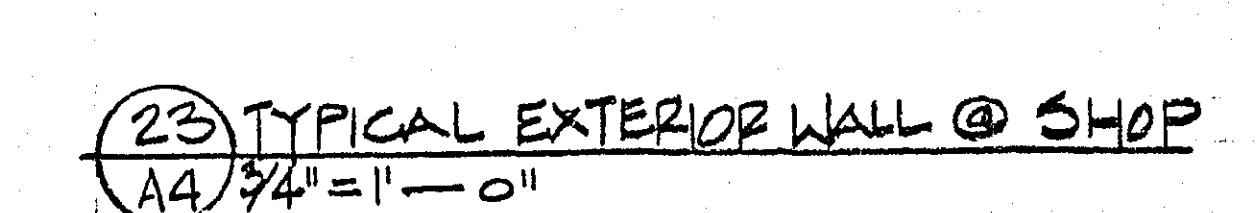
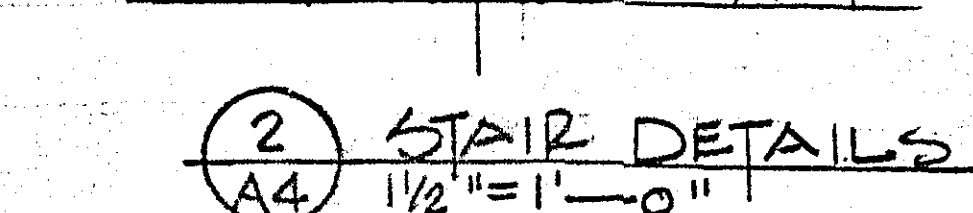
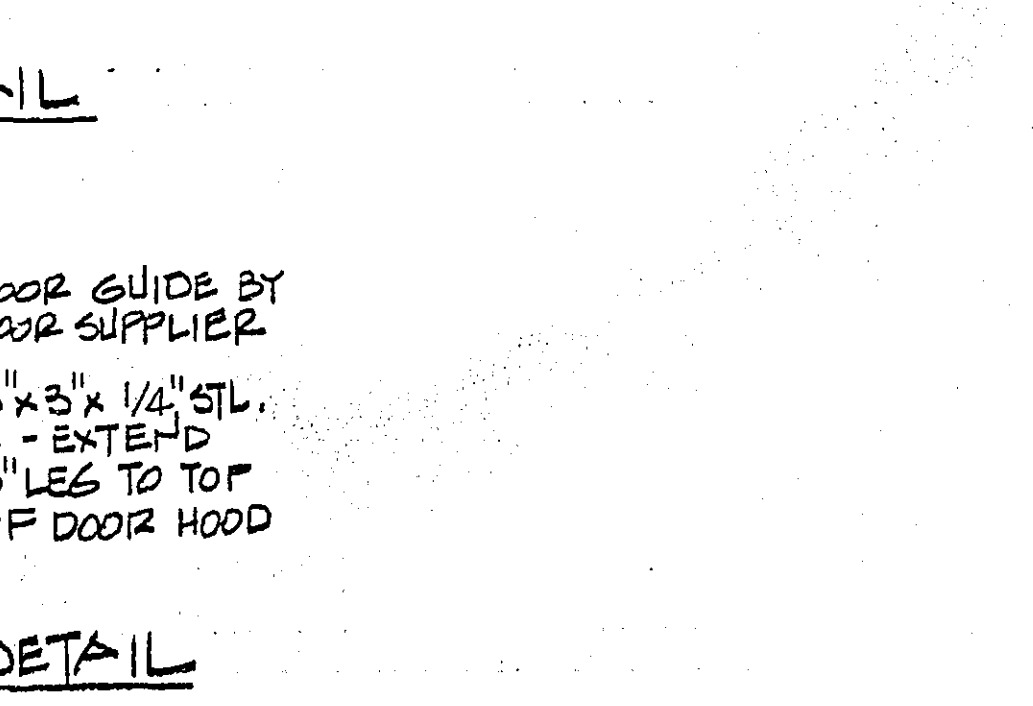
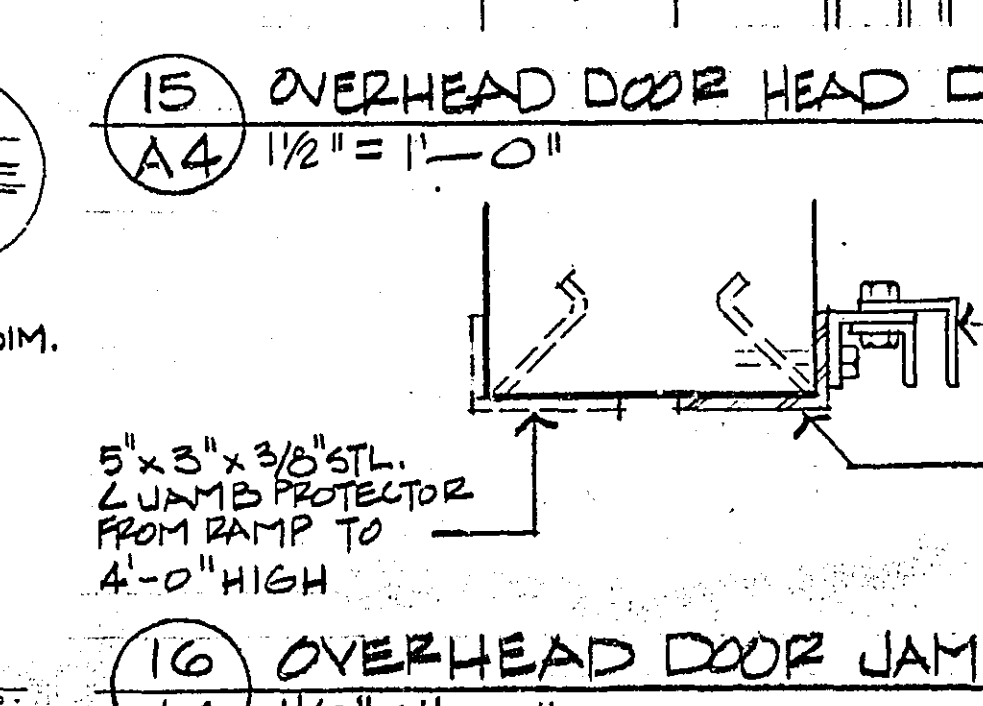
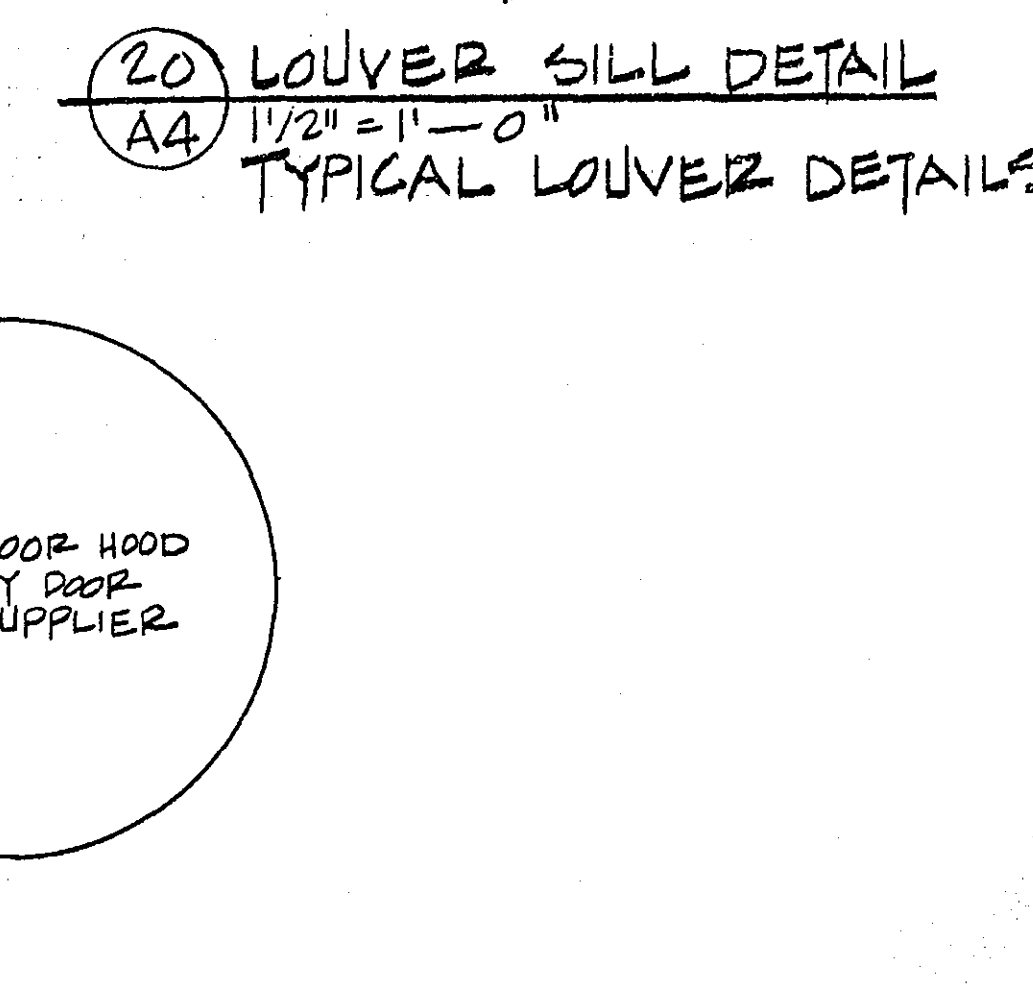
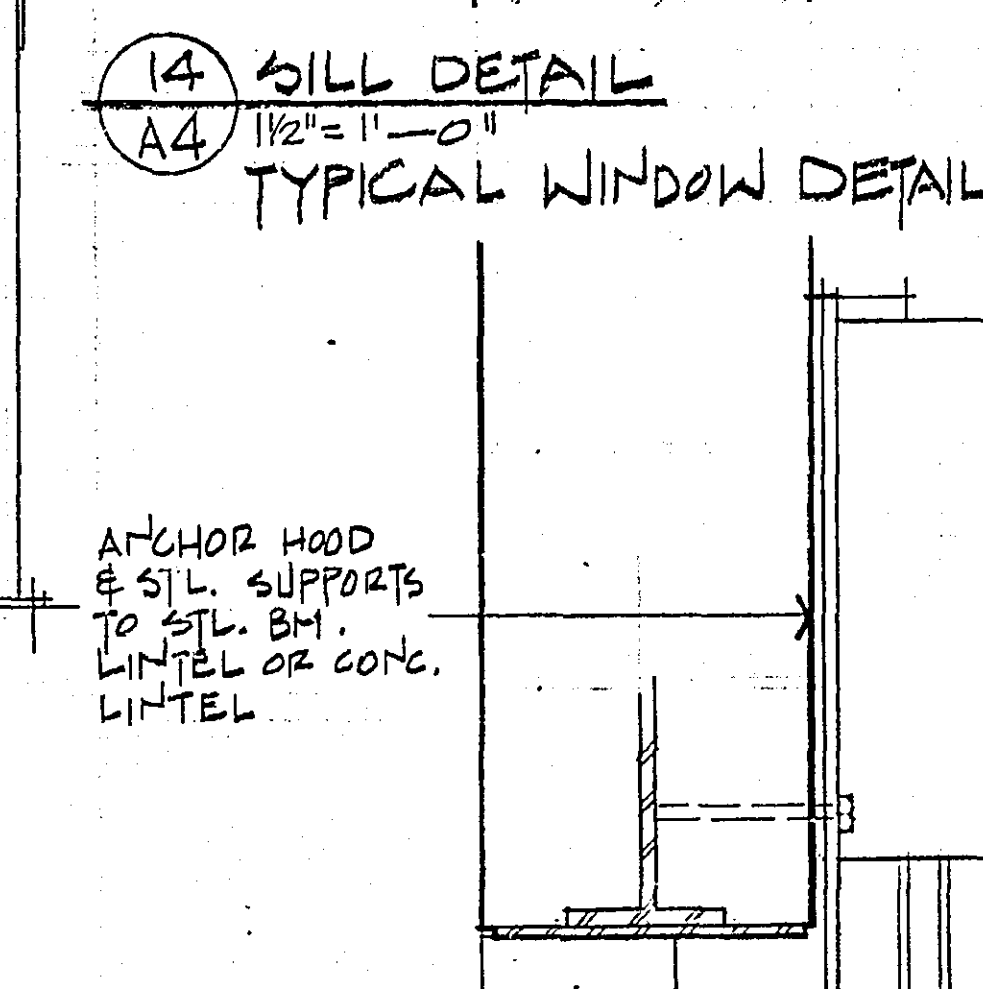
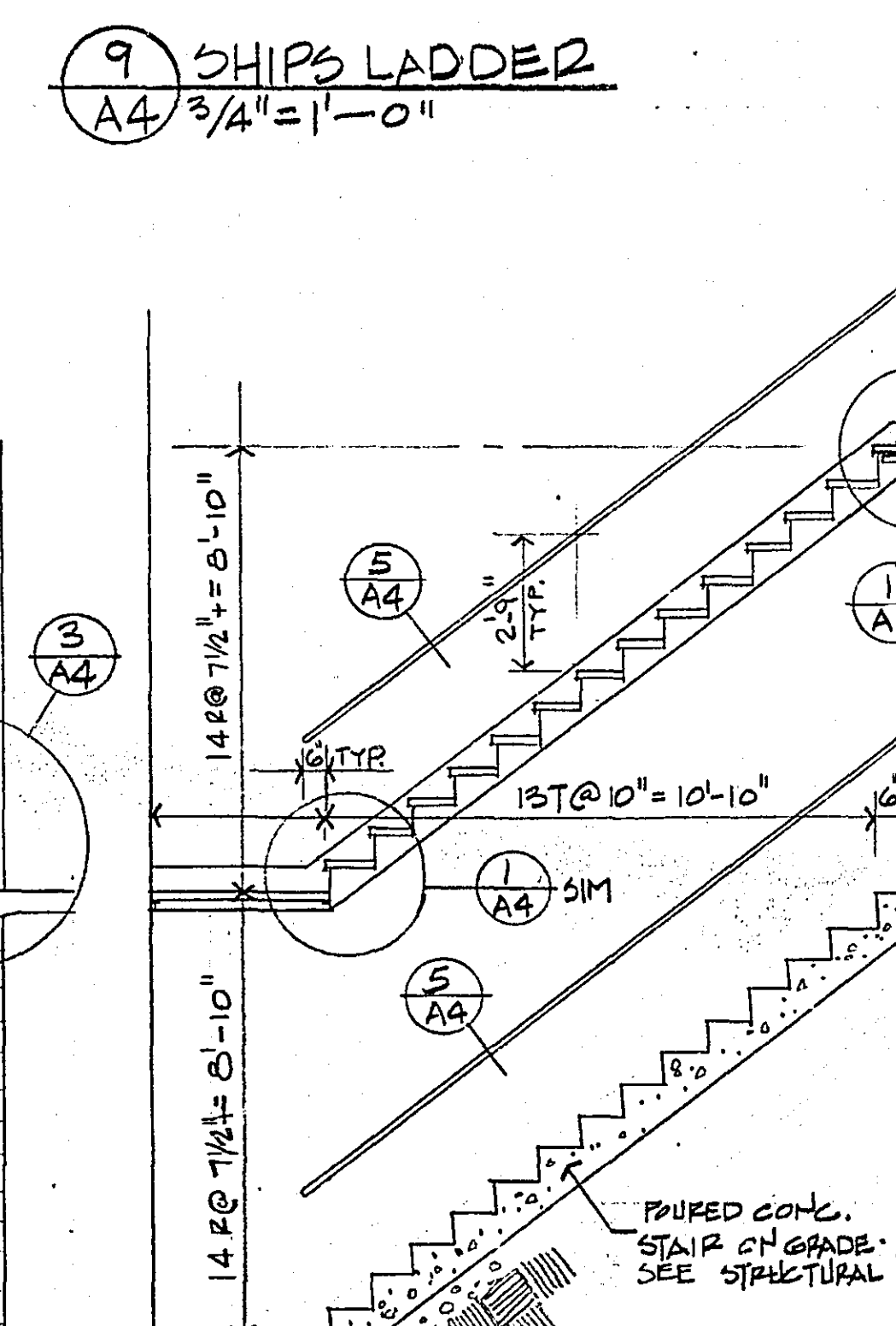
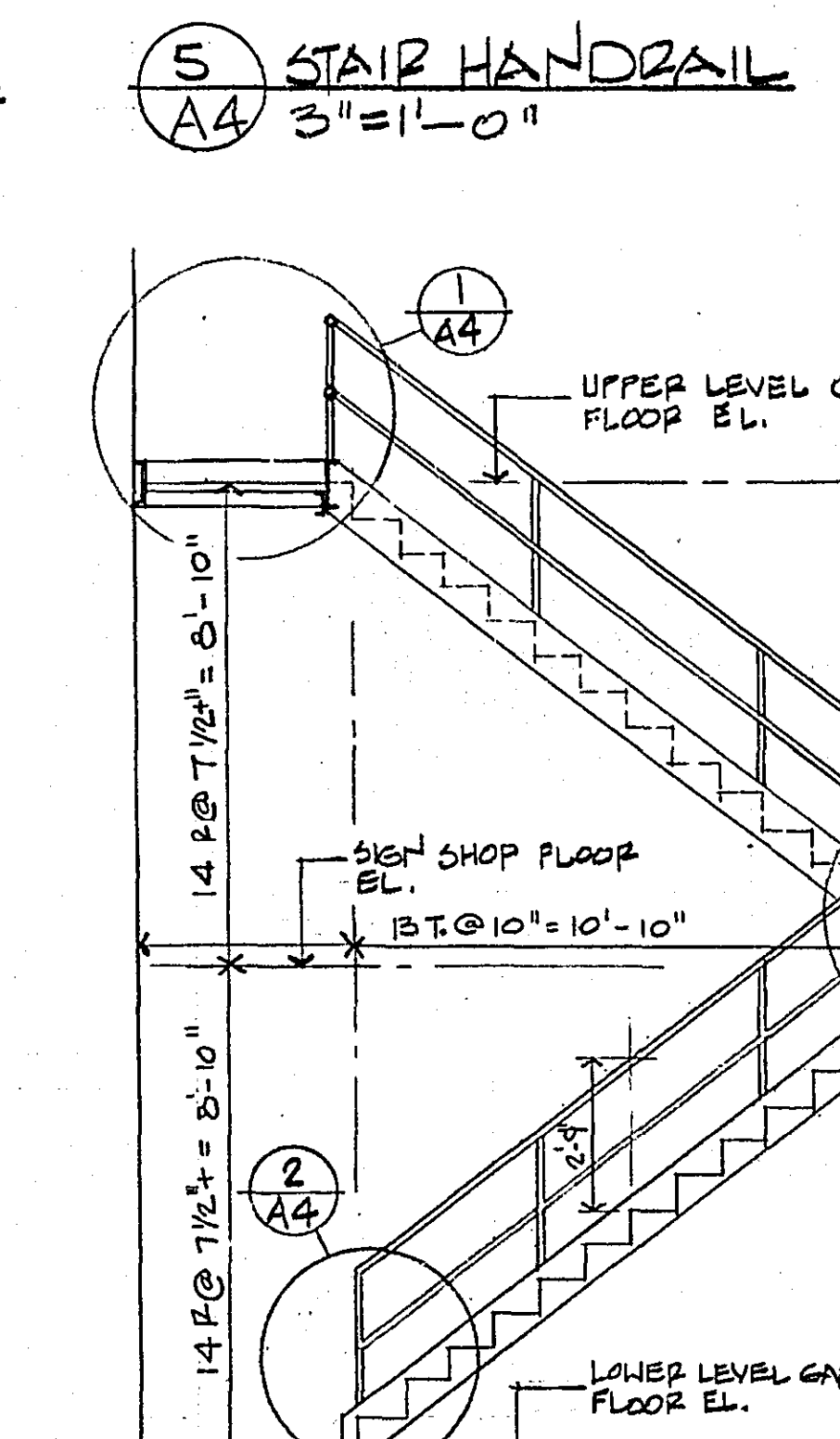
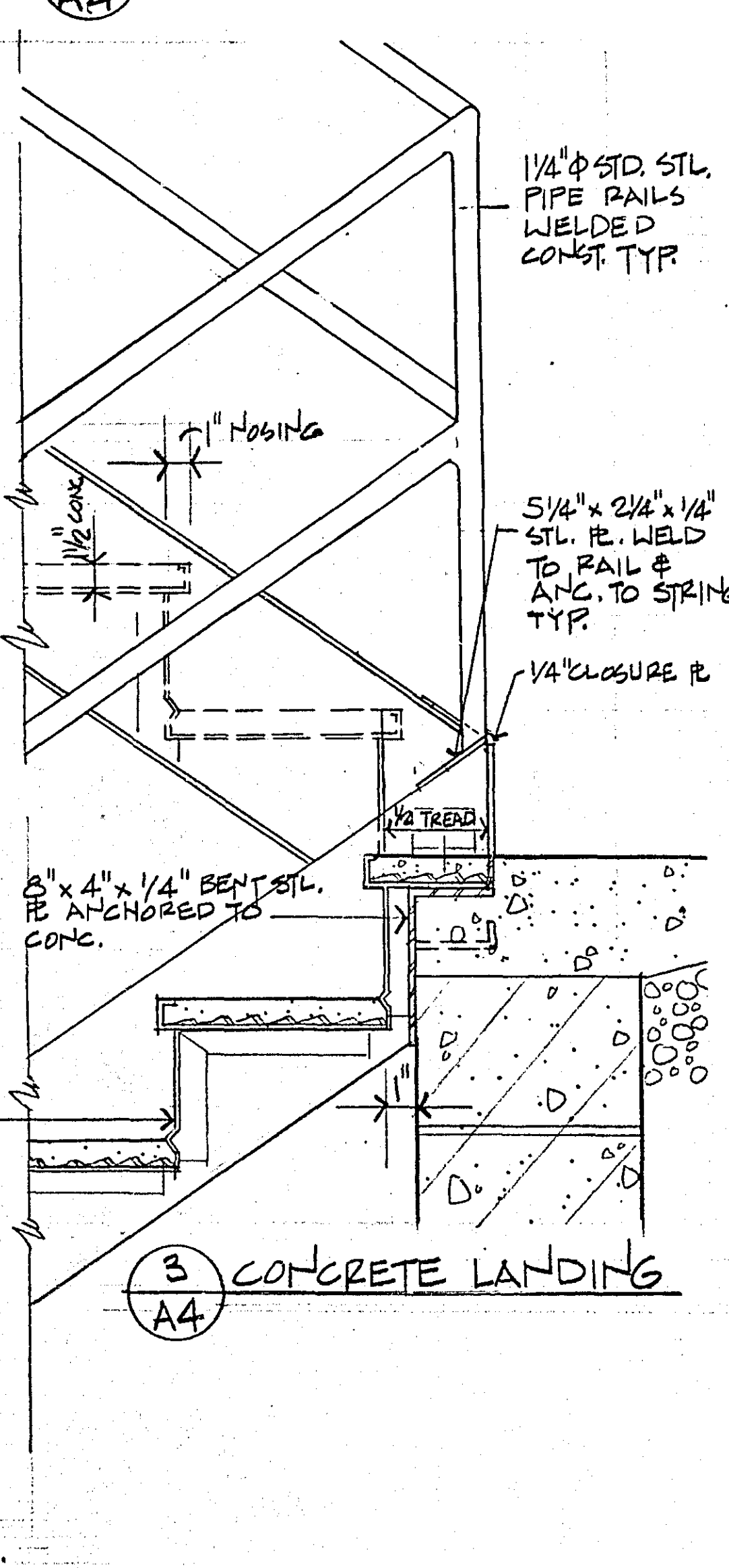
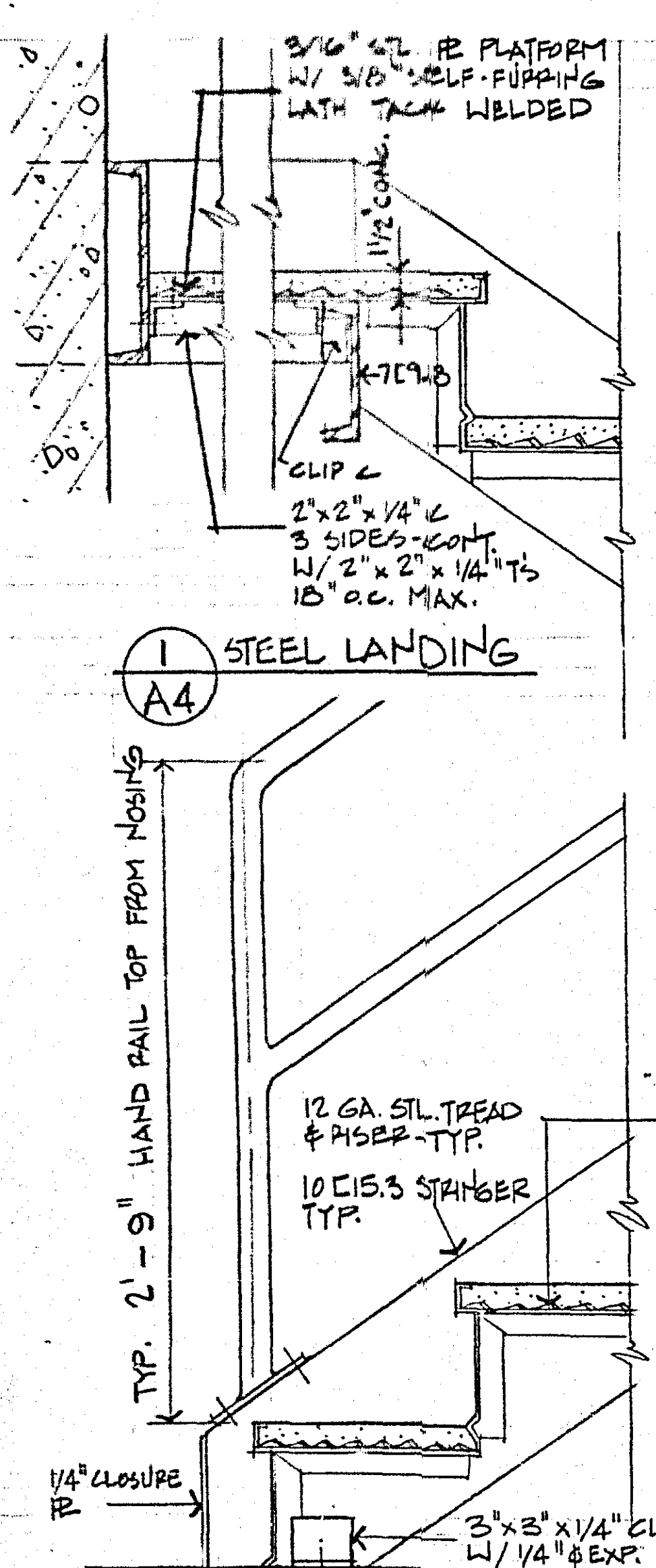
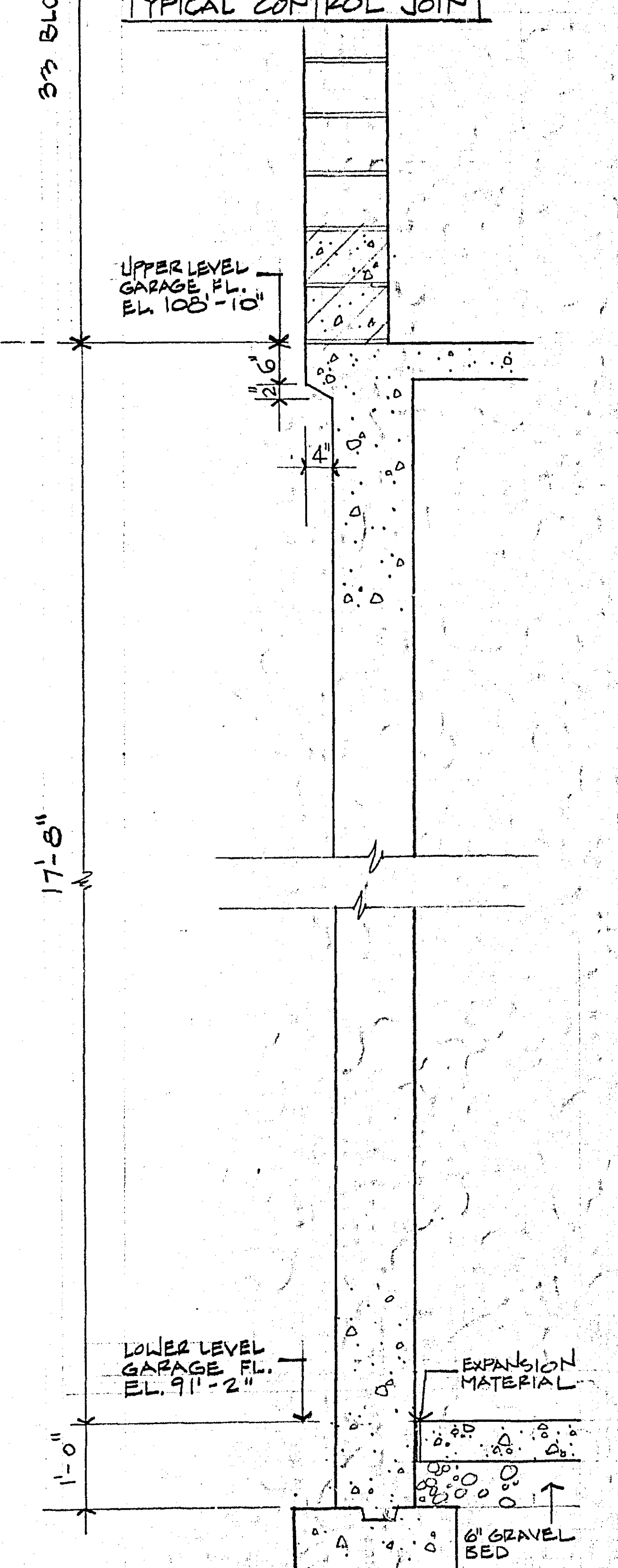
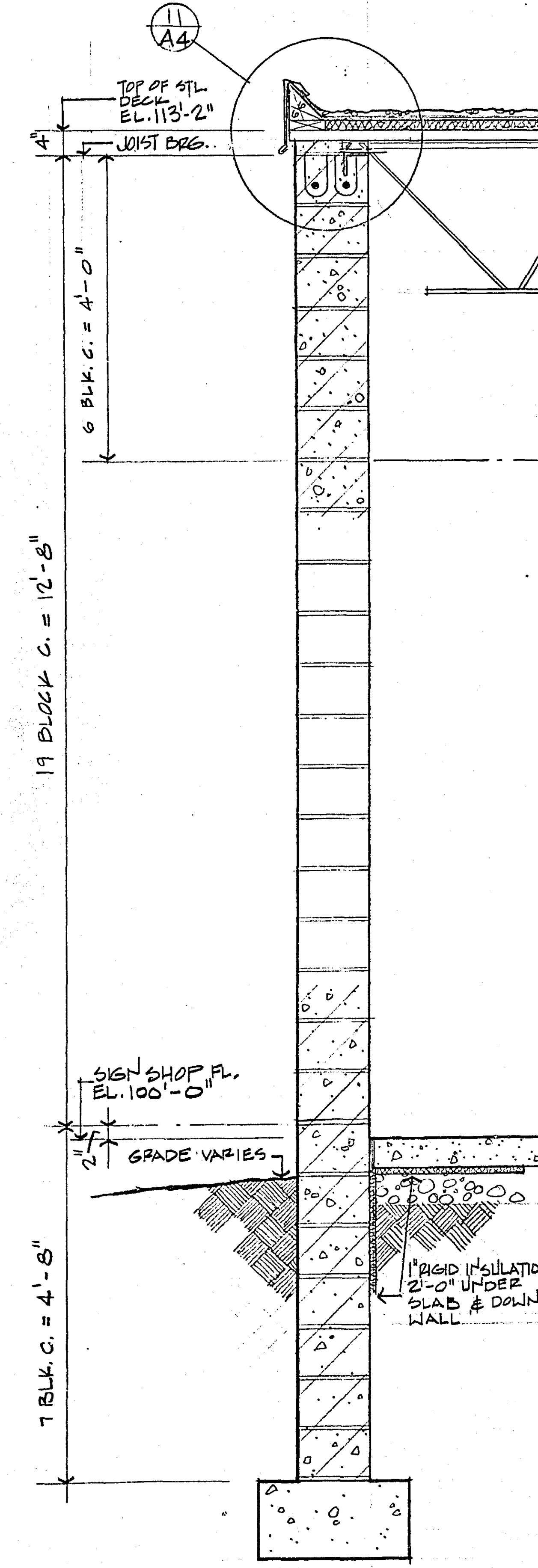
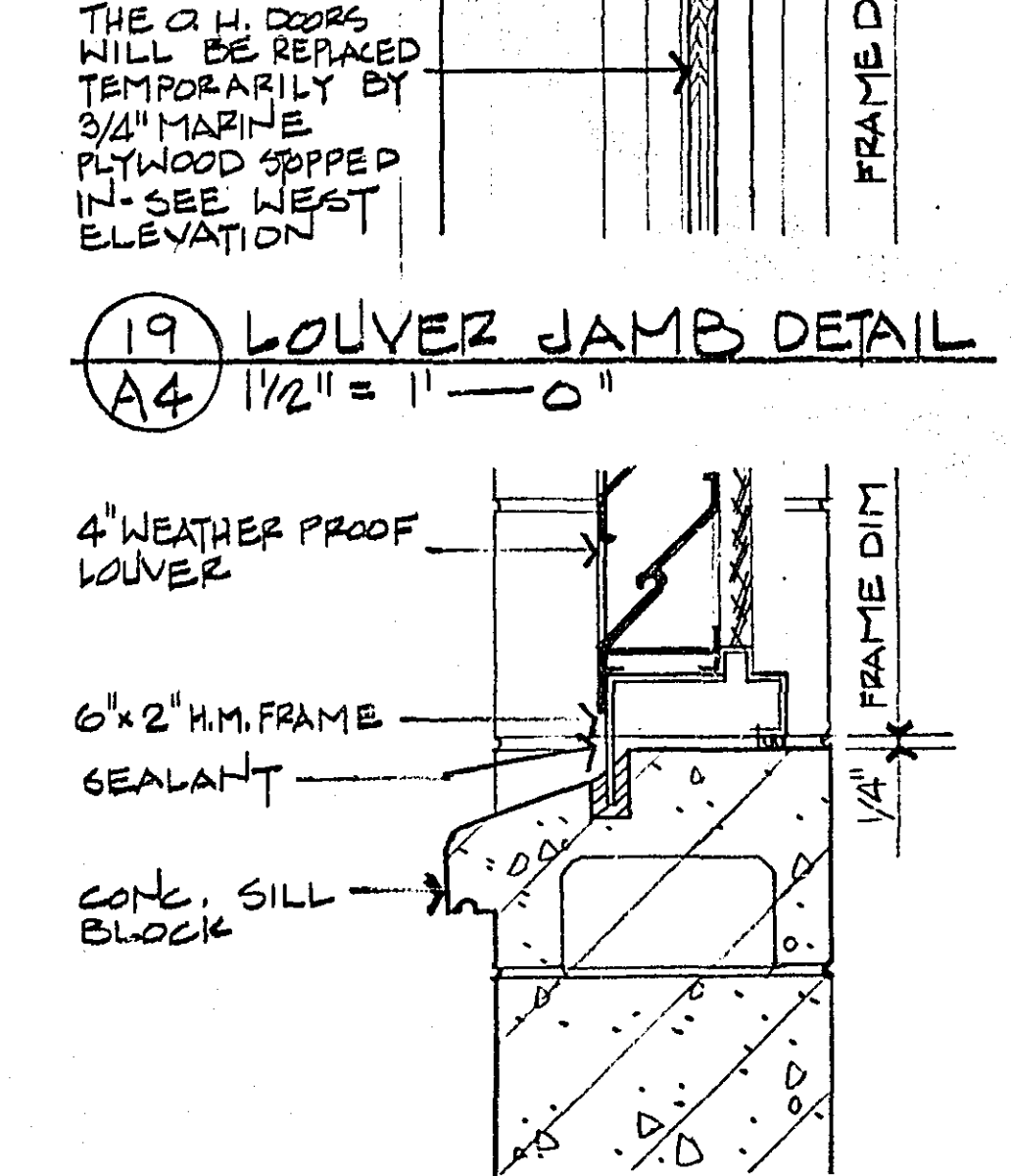
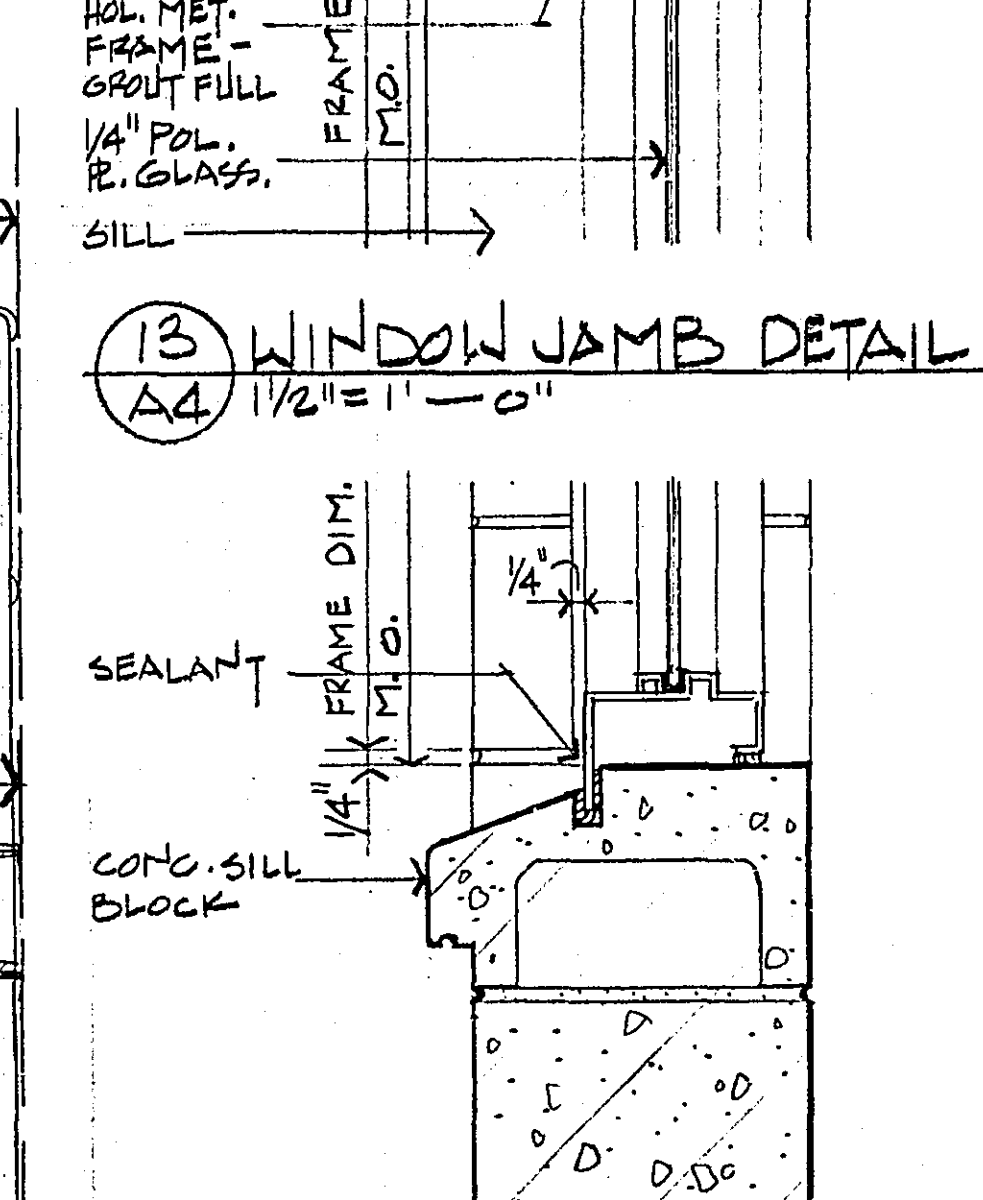
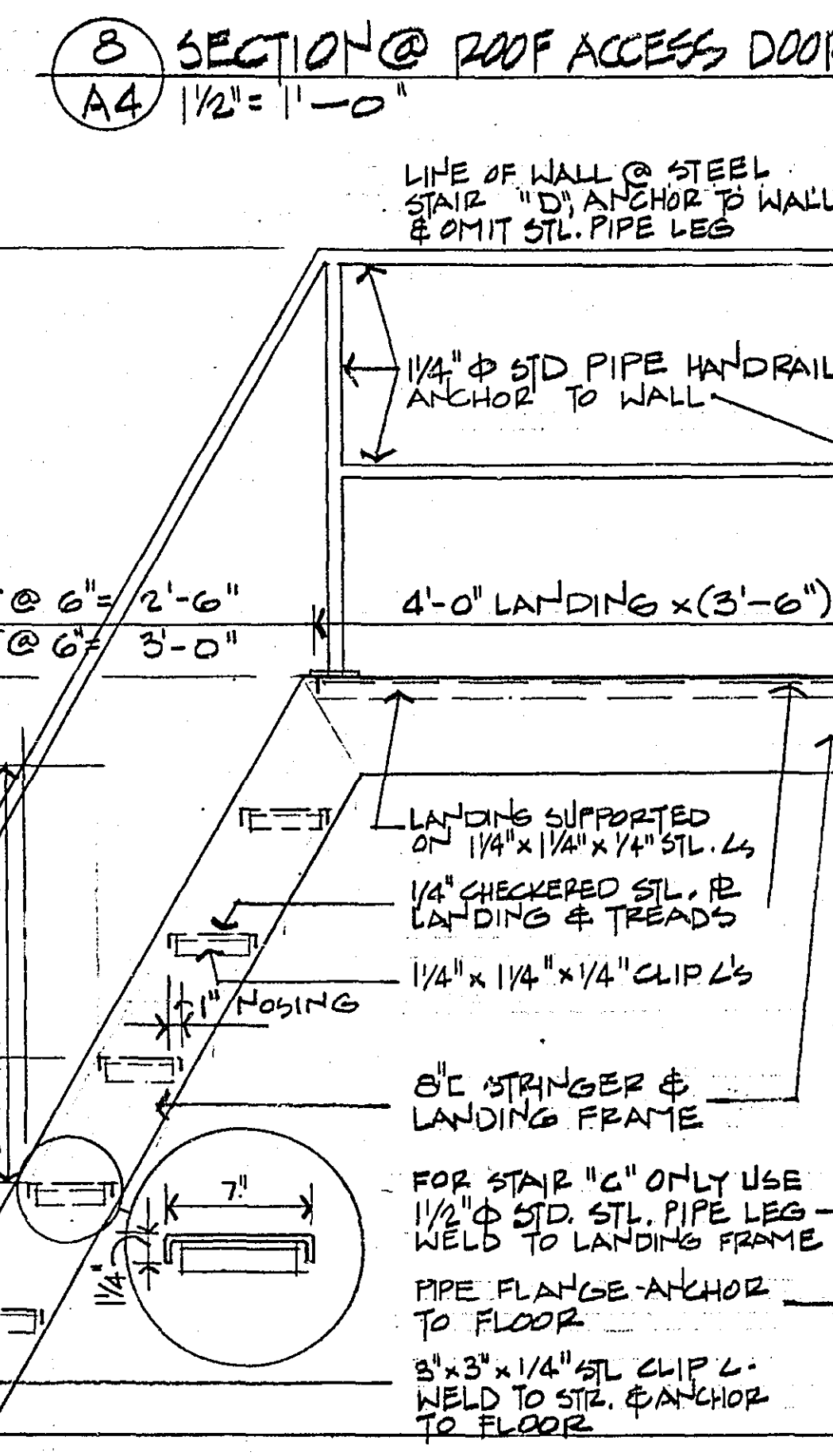
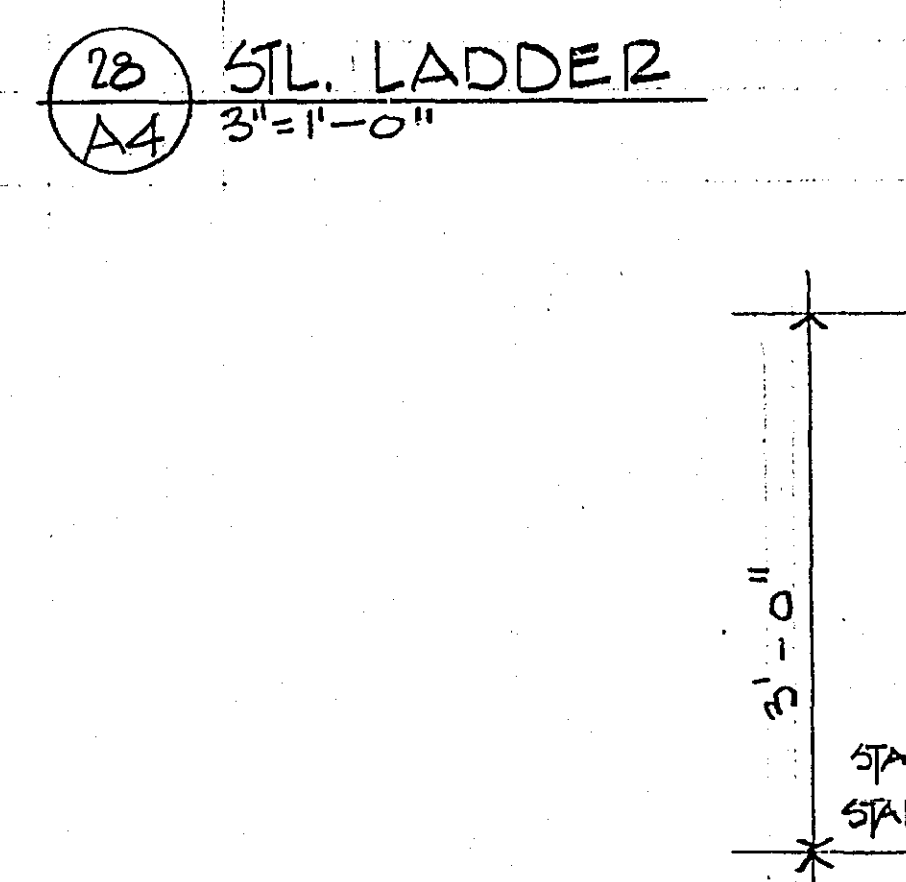
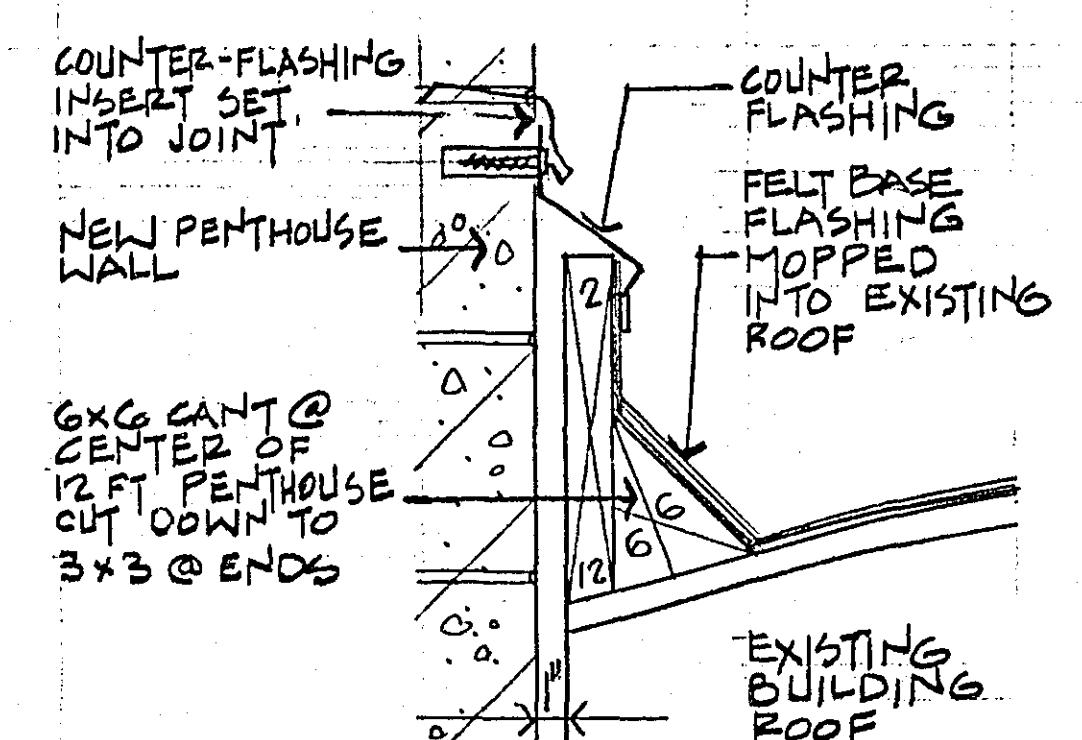
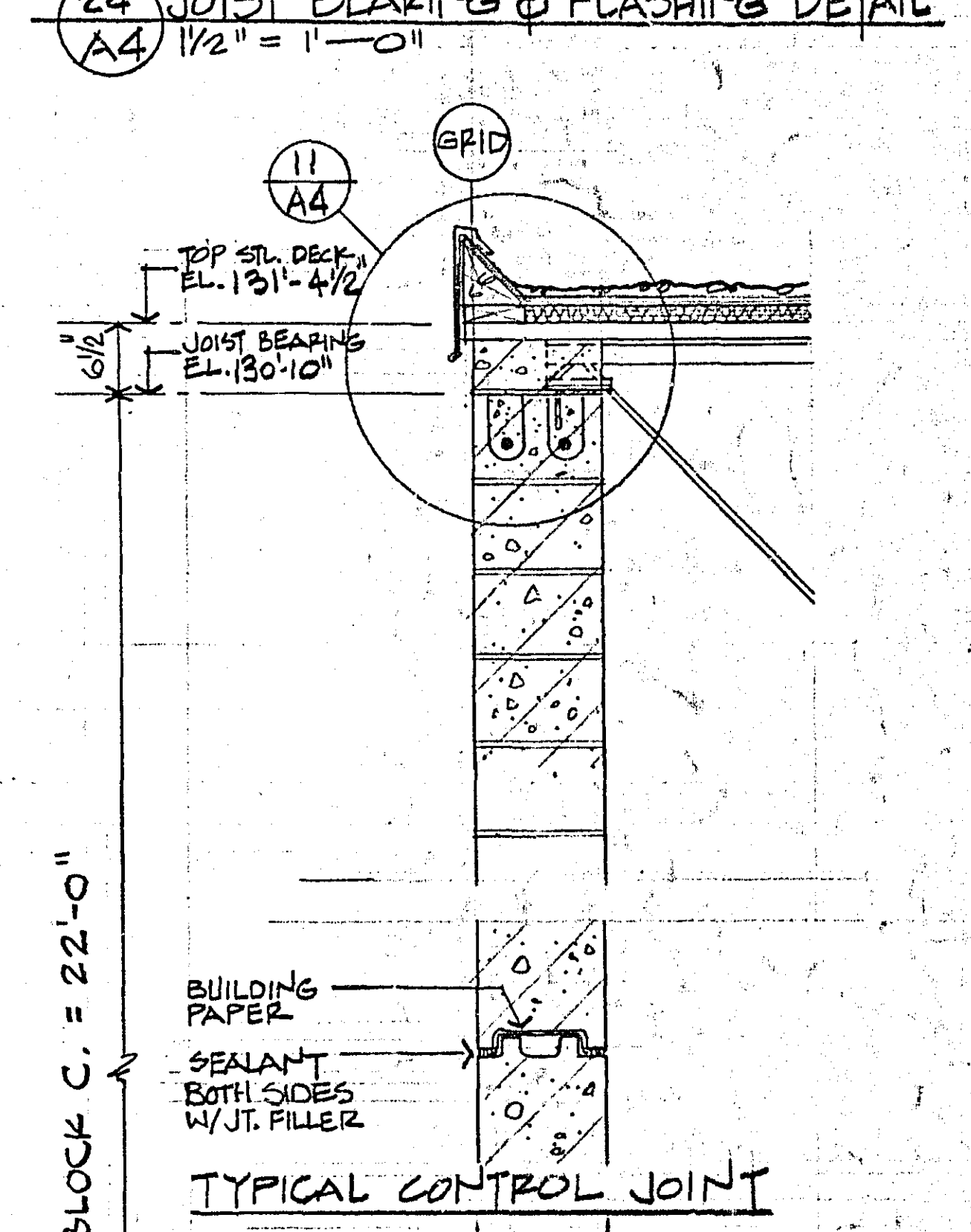
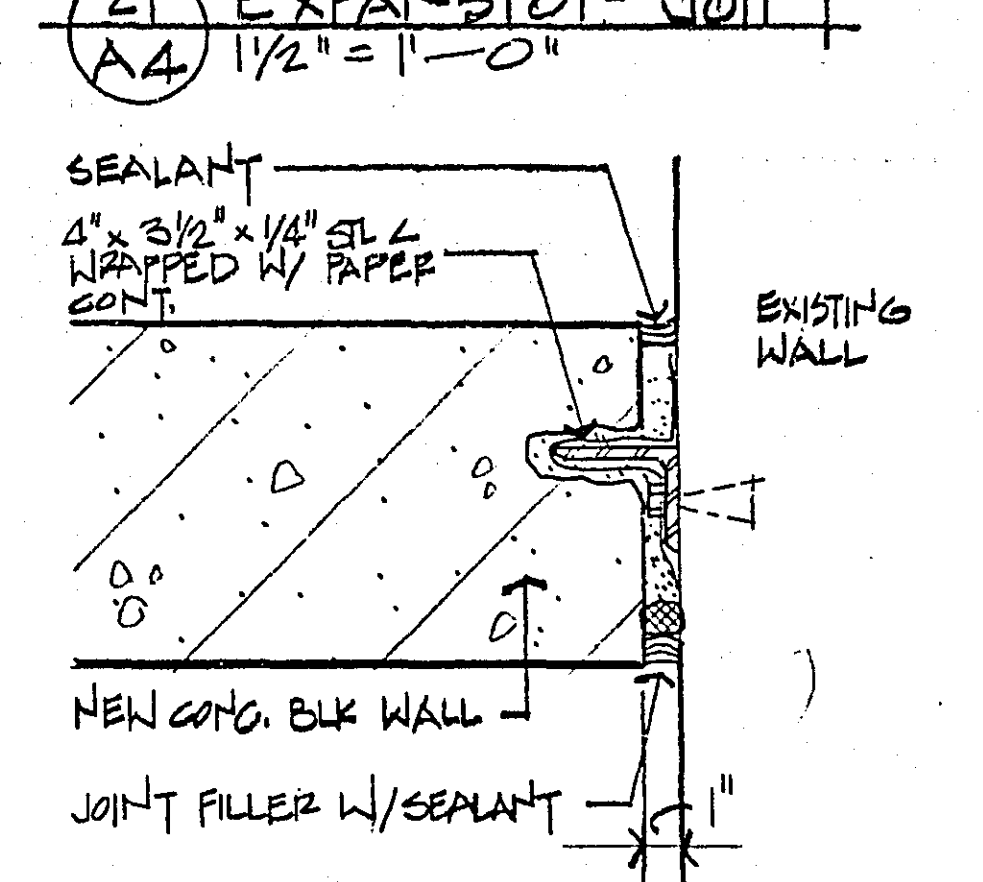
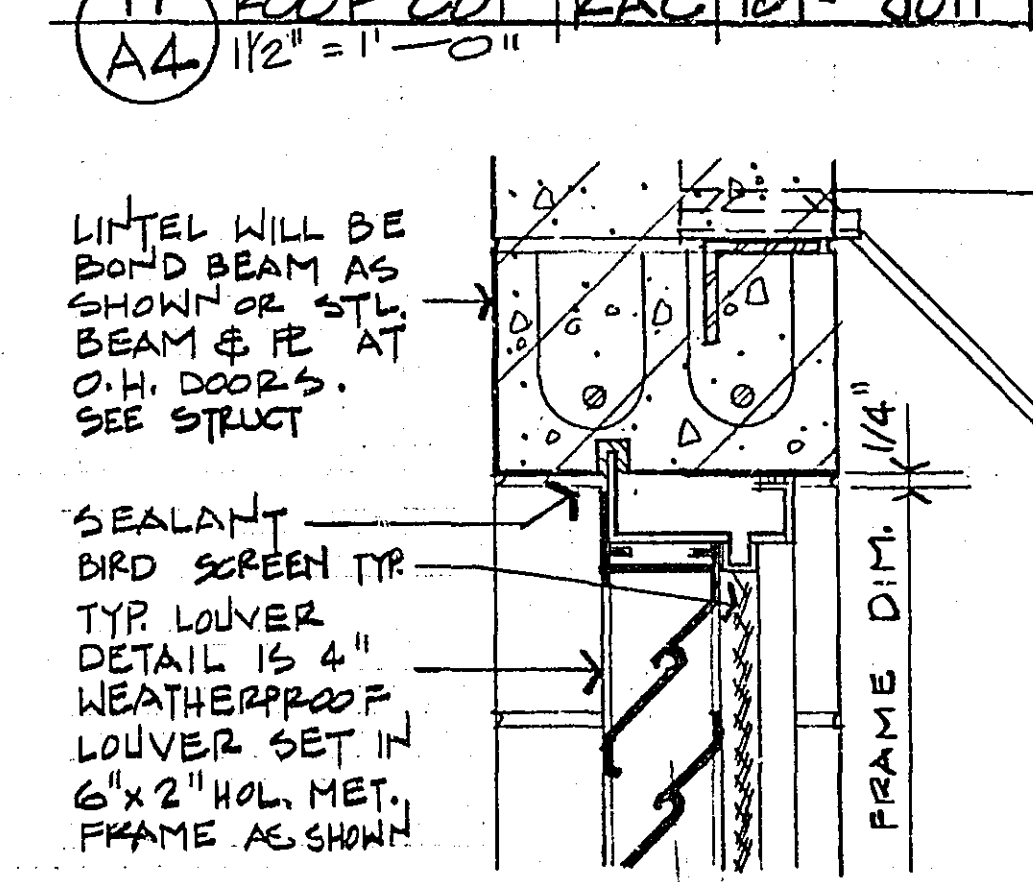
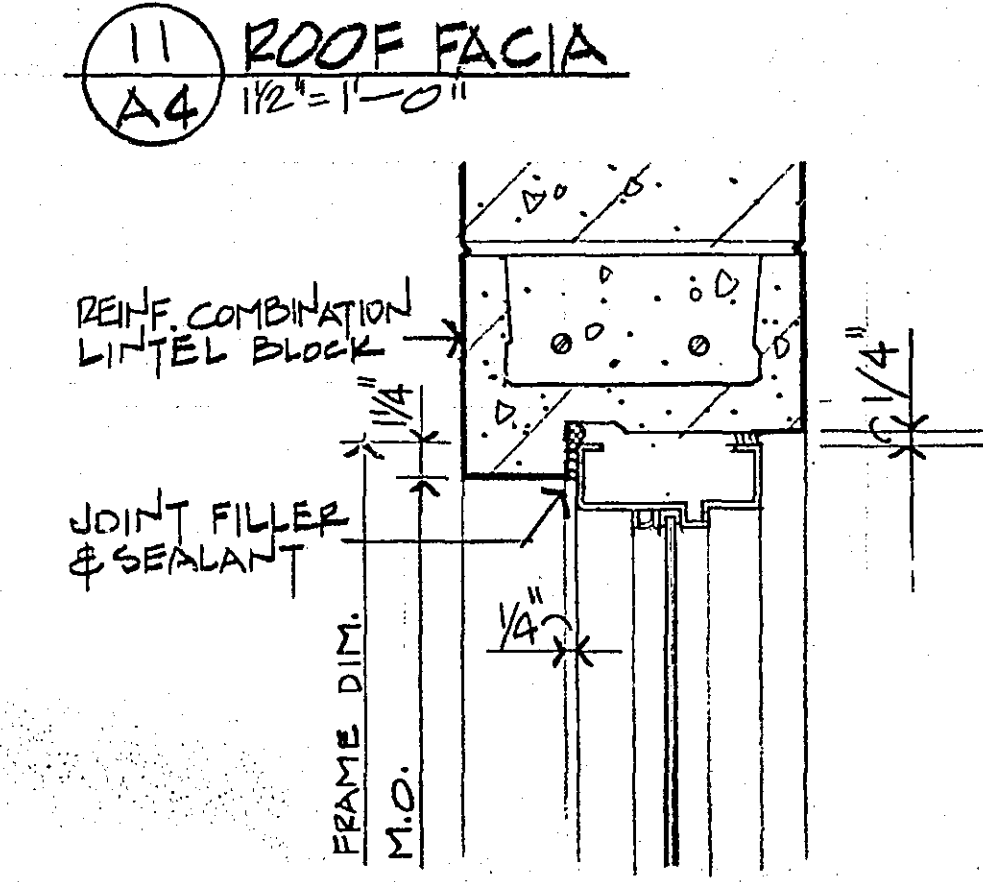
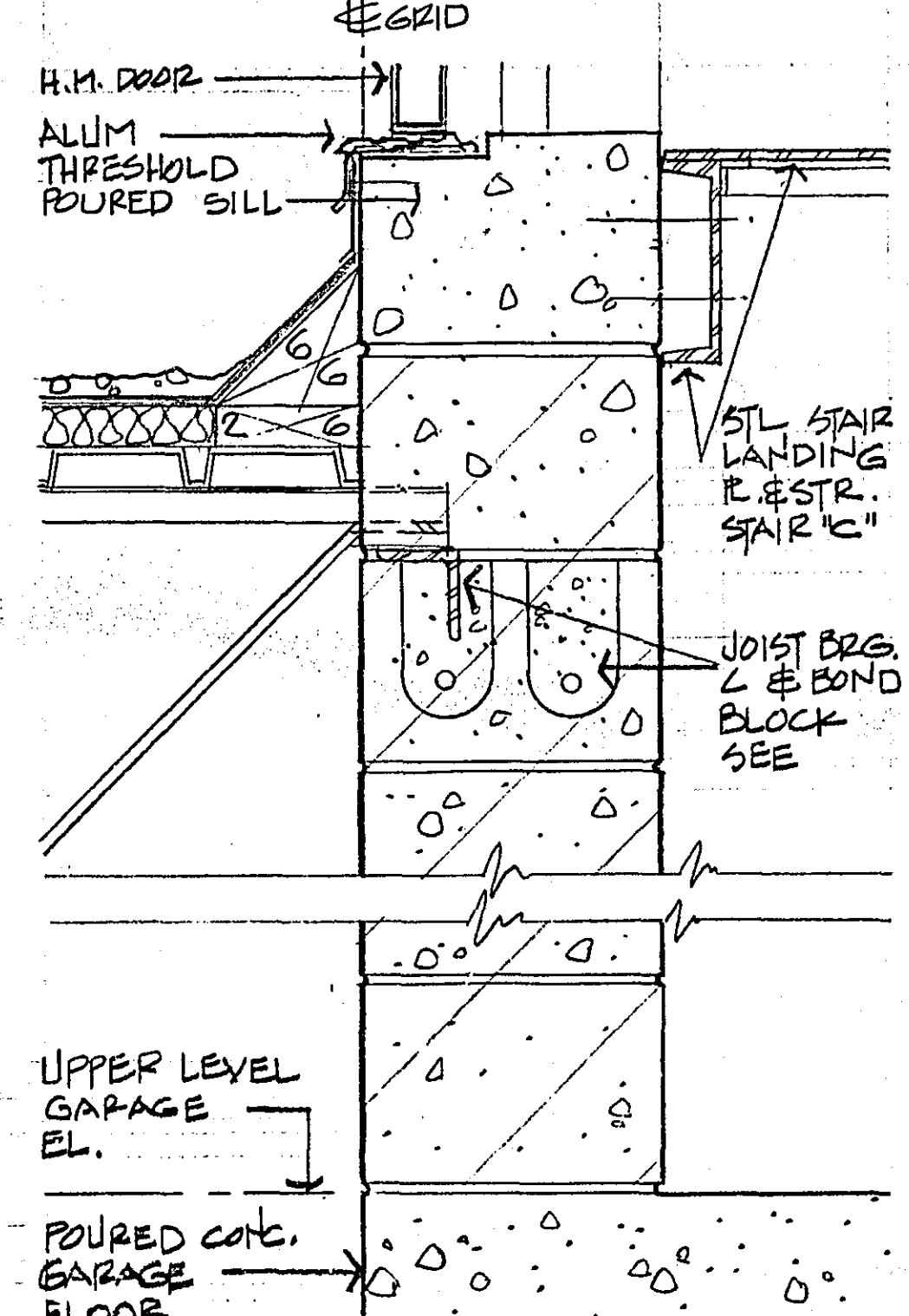
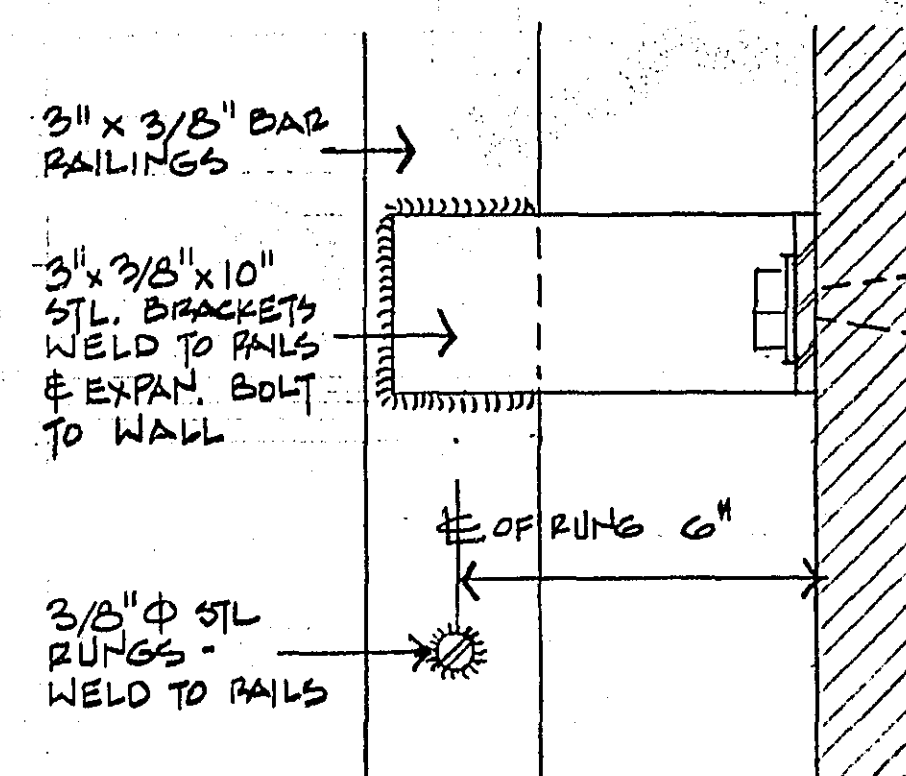
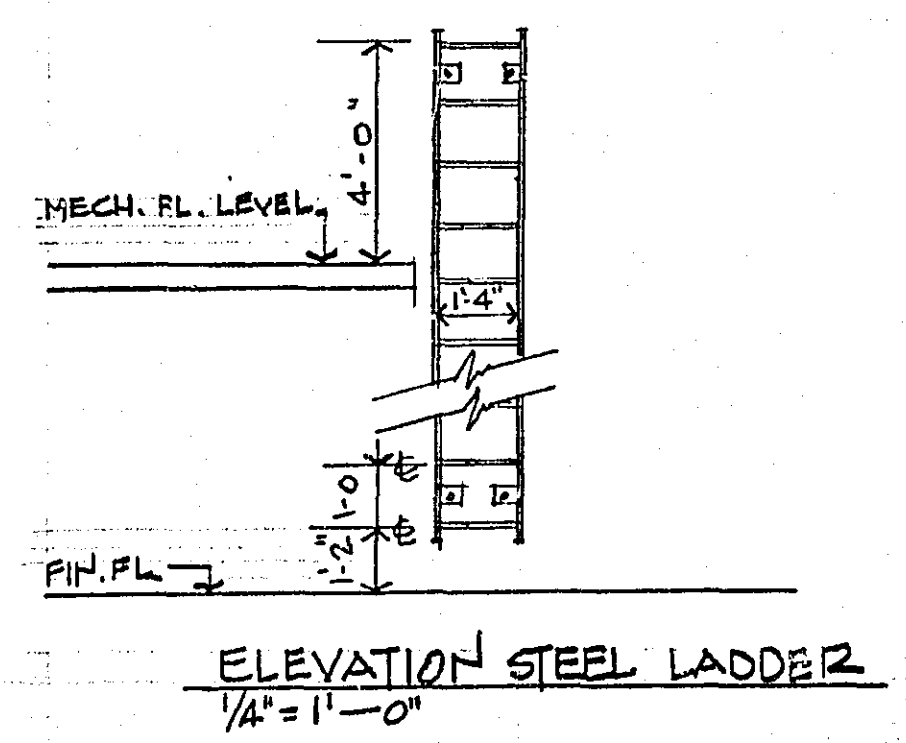
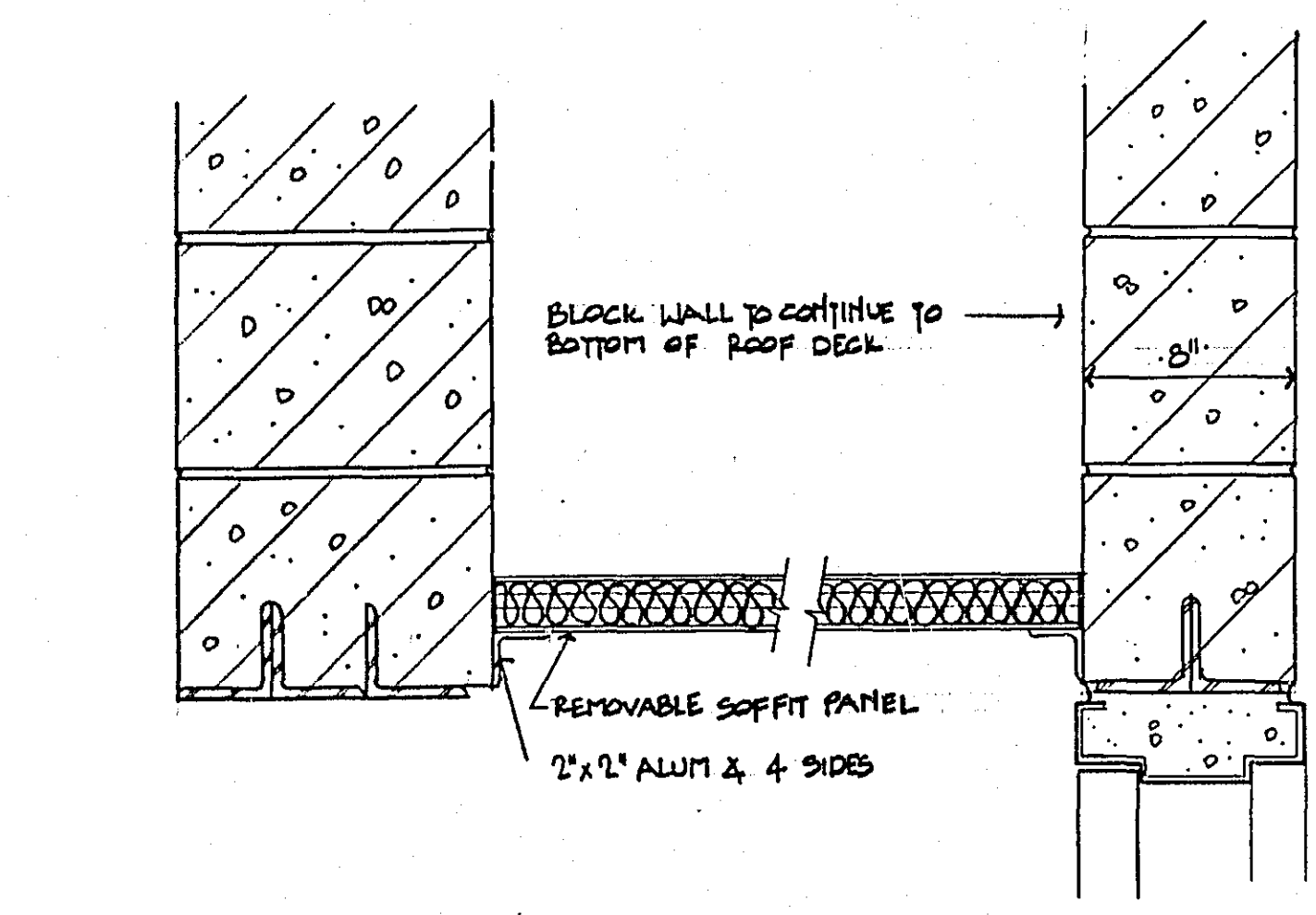
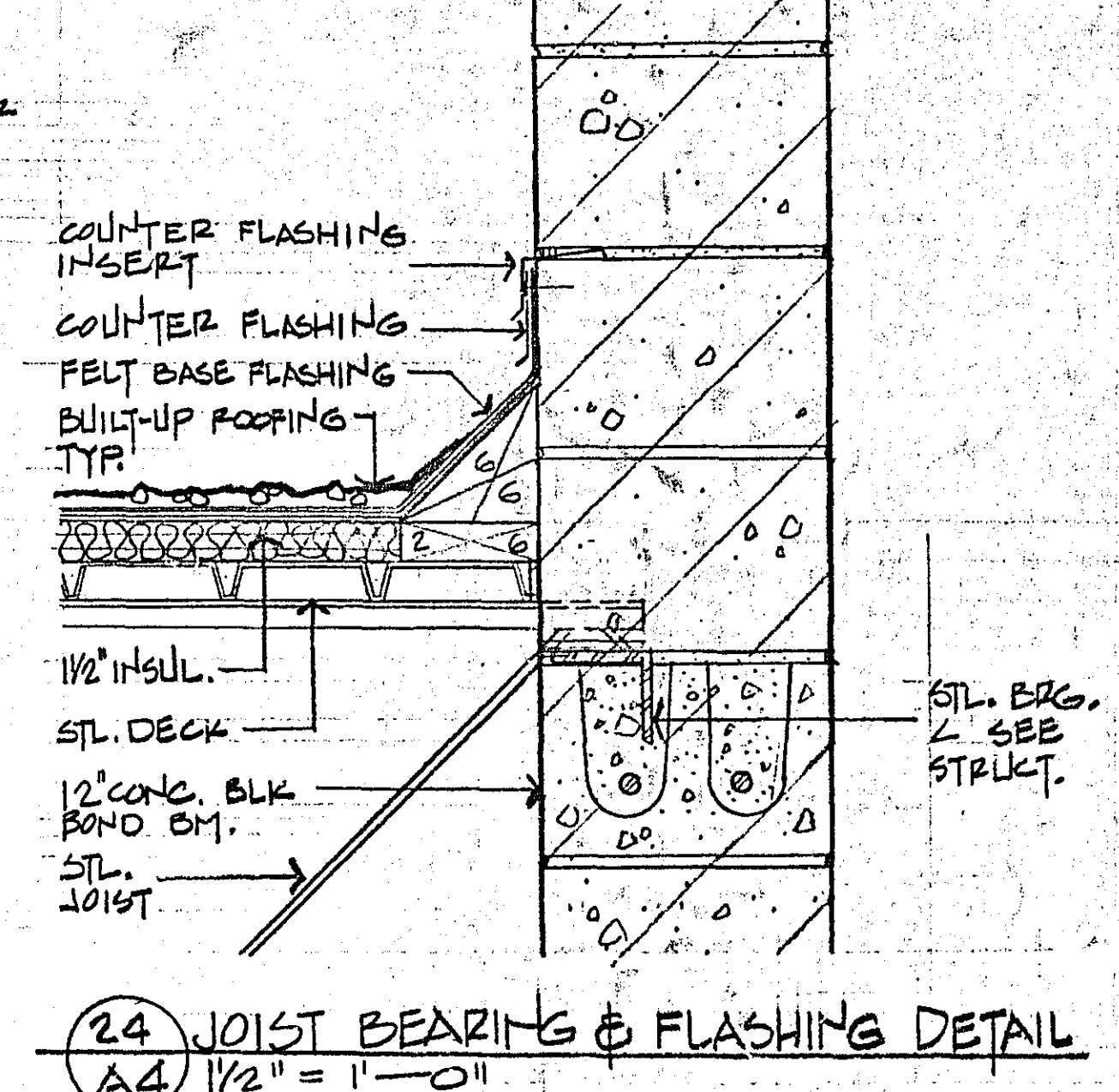
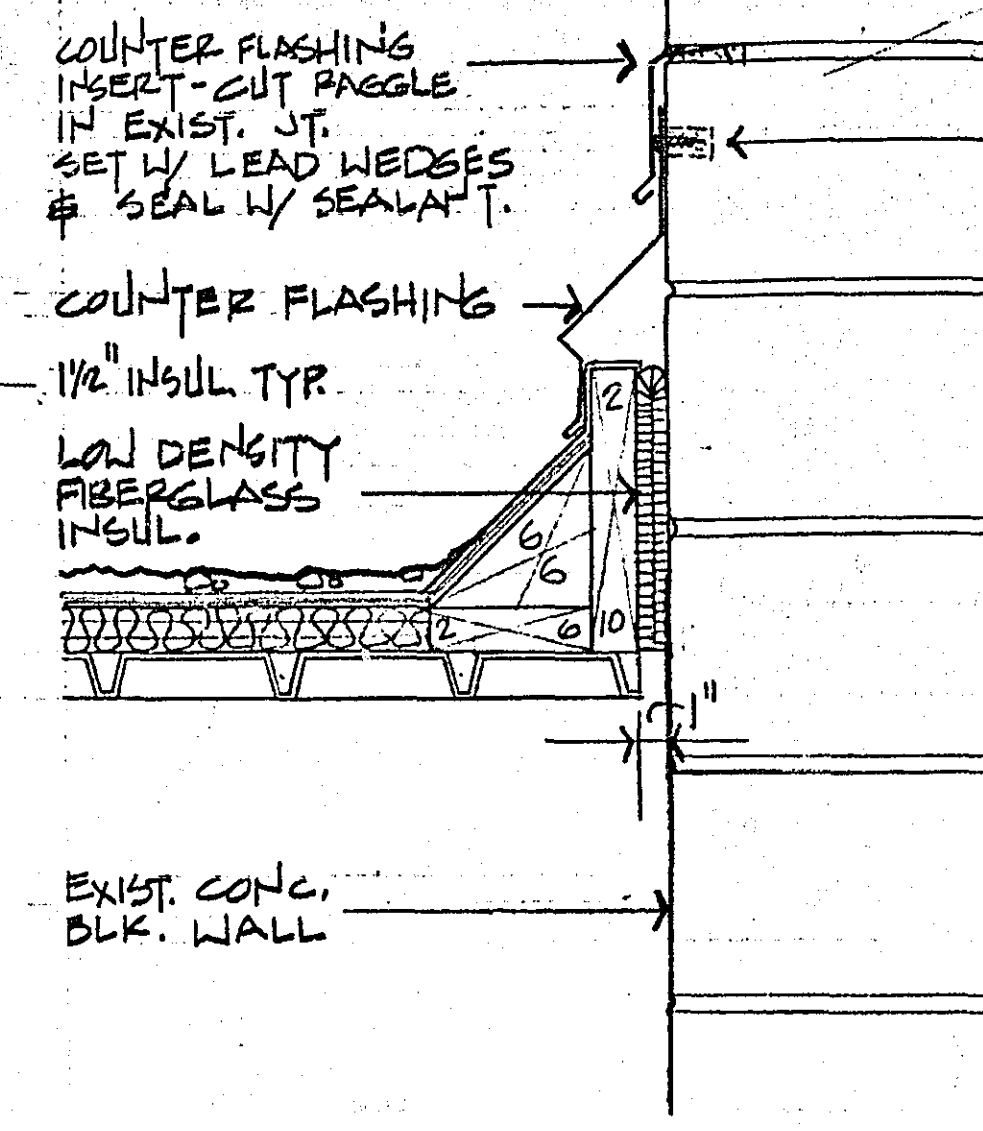
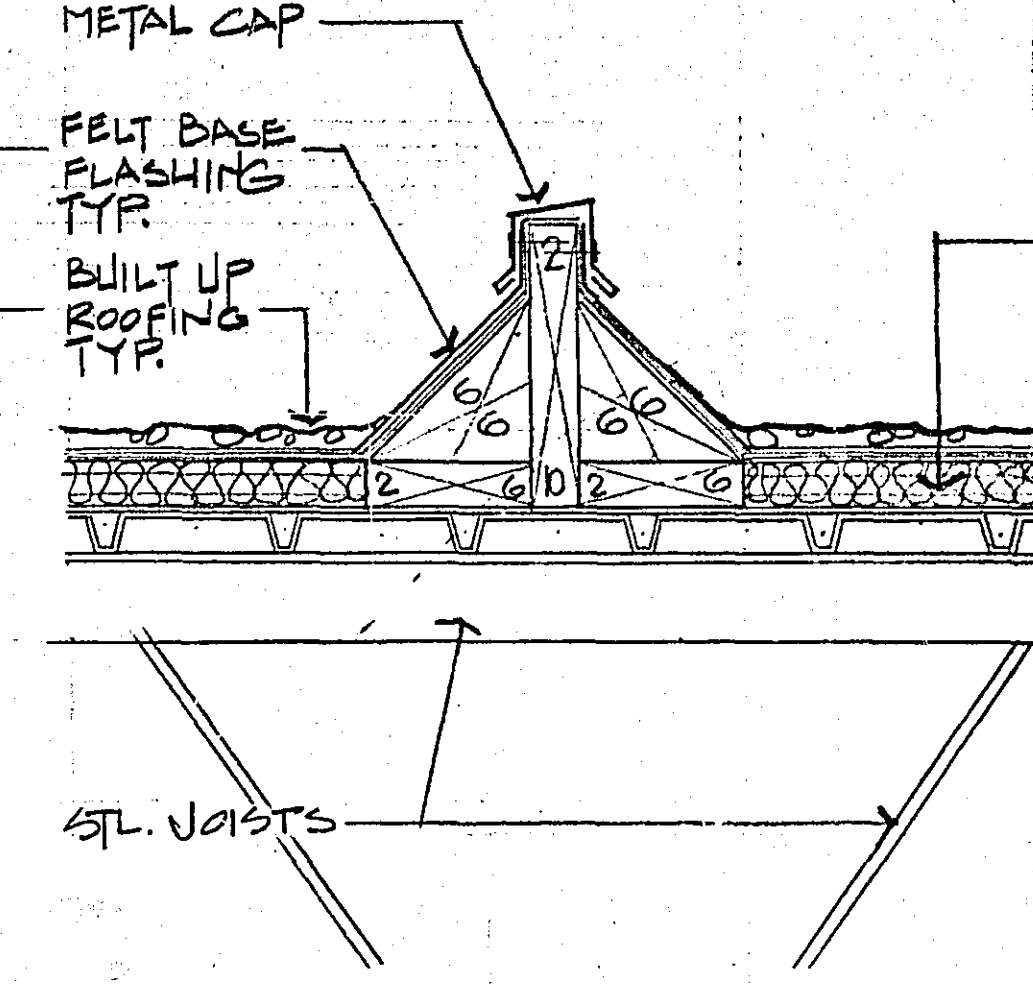
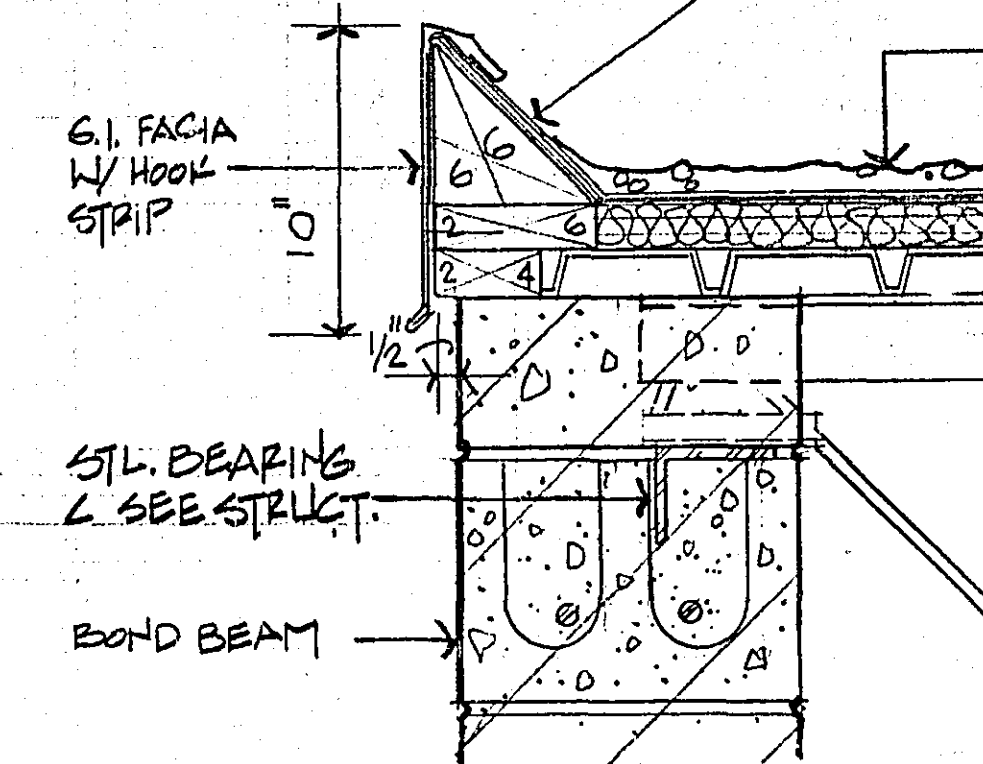
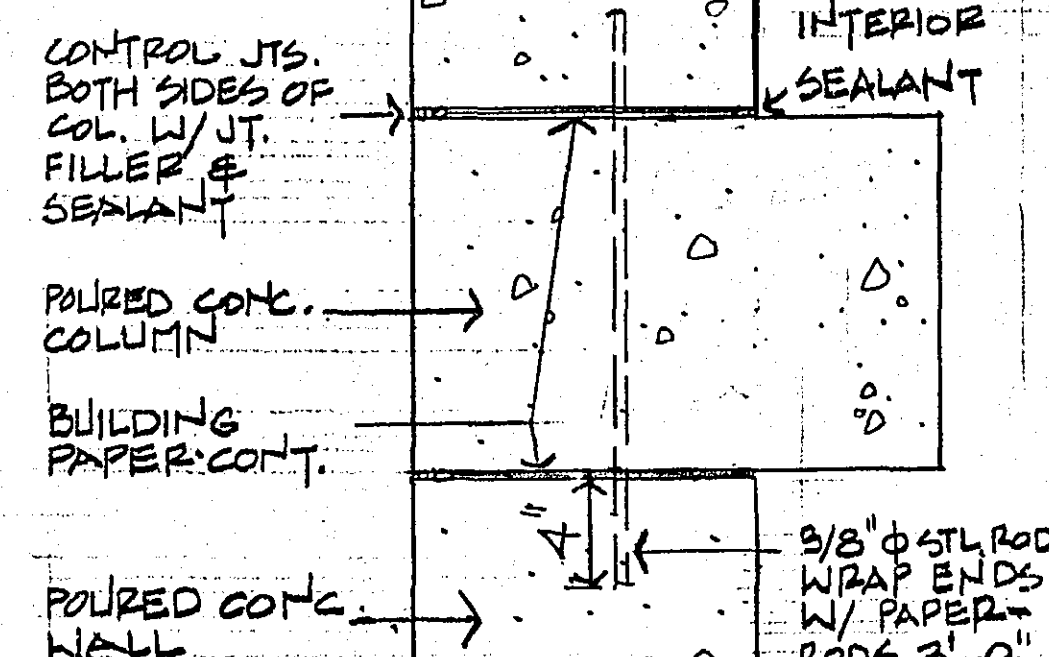
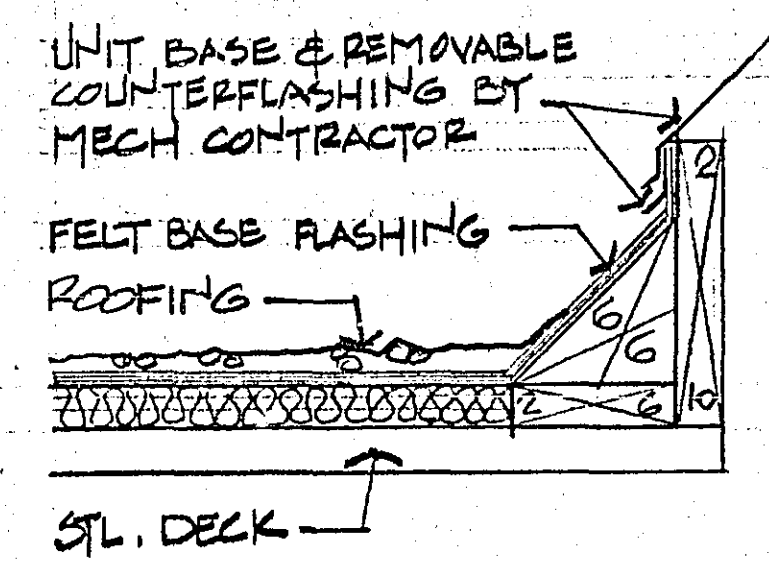
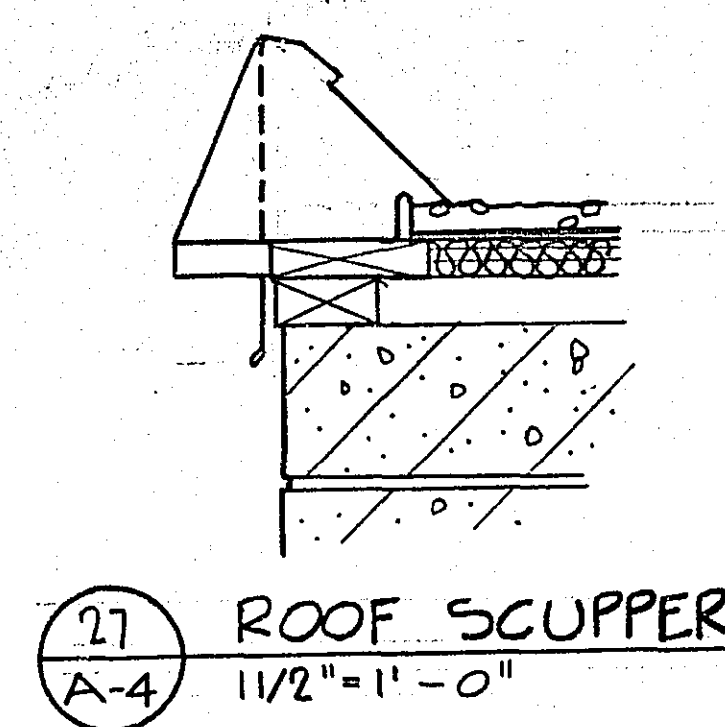
ROOM NO.	ROOM NAME	FLOOR	WALLS	CEILING	CLG. H.T.	REMARKS
100	MECHANICAL	NONE	CONC.	PAINT	@JOHNS	
101	GARAGE	NONE	CONC.	EXPOSED	@JOHNS	
102	CORRIDOR	VINYL	VAT	PAINT	LAYIN	8'-0"
103	JANITOR	NONE	CONC.	PAINT	NONE	-
104	LOCKER ROOM	VINYL	VAT	EPOXY PT.	LAYIN	8'-0"
105	SHOWER	VINYL	VAT	EPOXY PT.	LAYIN	8'-0"
106	TOILET	VINYL	VAT	EPOXY PT.	LAYIN	8'-0"
107	DINERS ROOM	VINYL	VAT	PAINT	LAYIN	8'-0"
108	PAINT ROOM	NONE	CONC.	PAINT	PLASTER	9'-0"
109	DYING ROOM	NONE	CONC.	PAINT	PLASTER	9'-0"
110	PAINT STORAGE	NONE	CONC.	PAINT	PLASTER	9'-0"
111	OFFICE	VINYL	VAT	PAINT	LAYIN	8'-0"
112	SHOP	NONE	CONC.	PAINT	NONE	-
113	SIGN SIGNAL	NONE	CONC.	PAINT	NONE	-
114	SIGN REPAIR	NONE	CONC.	PAINT	NONE	-
	STAIR A	NONE	CONC.	PAINT	NONE	-
	STAIR B	NONE	CONC.	EXPOSED	NONE	-
201	GARAGE	NONE	CONC.	EXPOSED	NONE	@JOHNS
202&203	PENTHOUSE	NONE	CONC.	EXPOSED	NONE	-

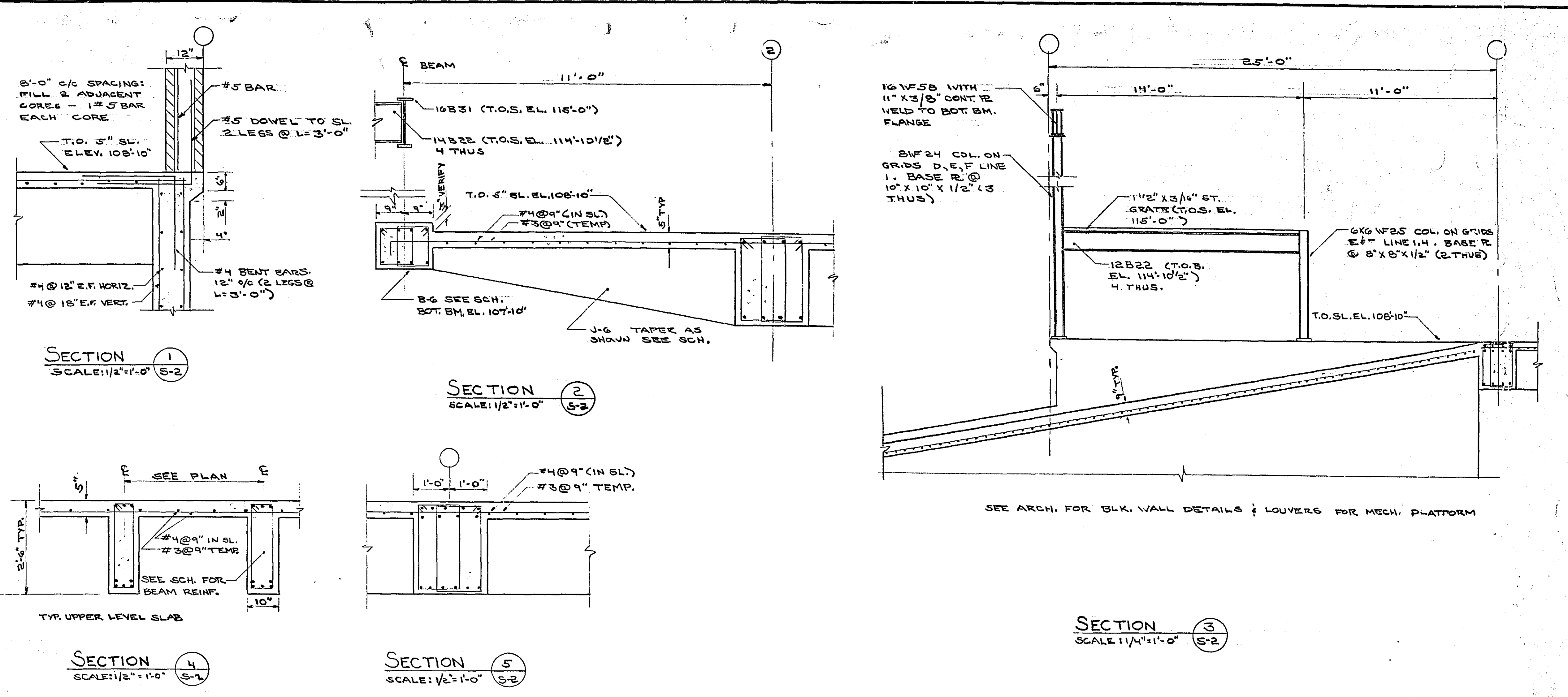
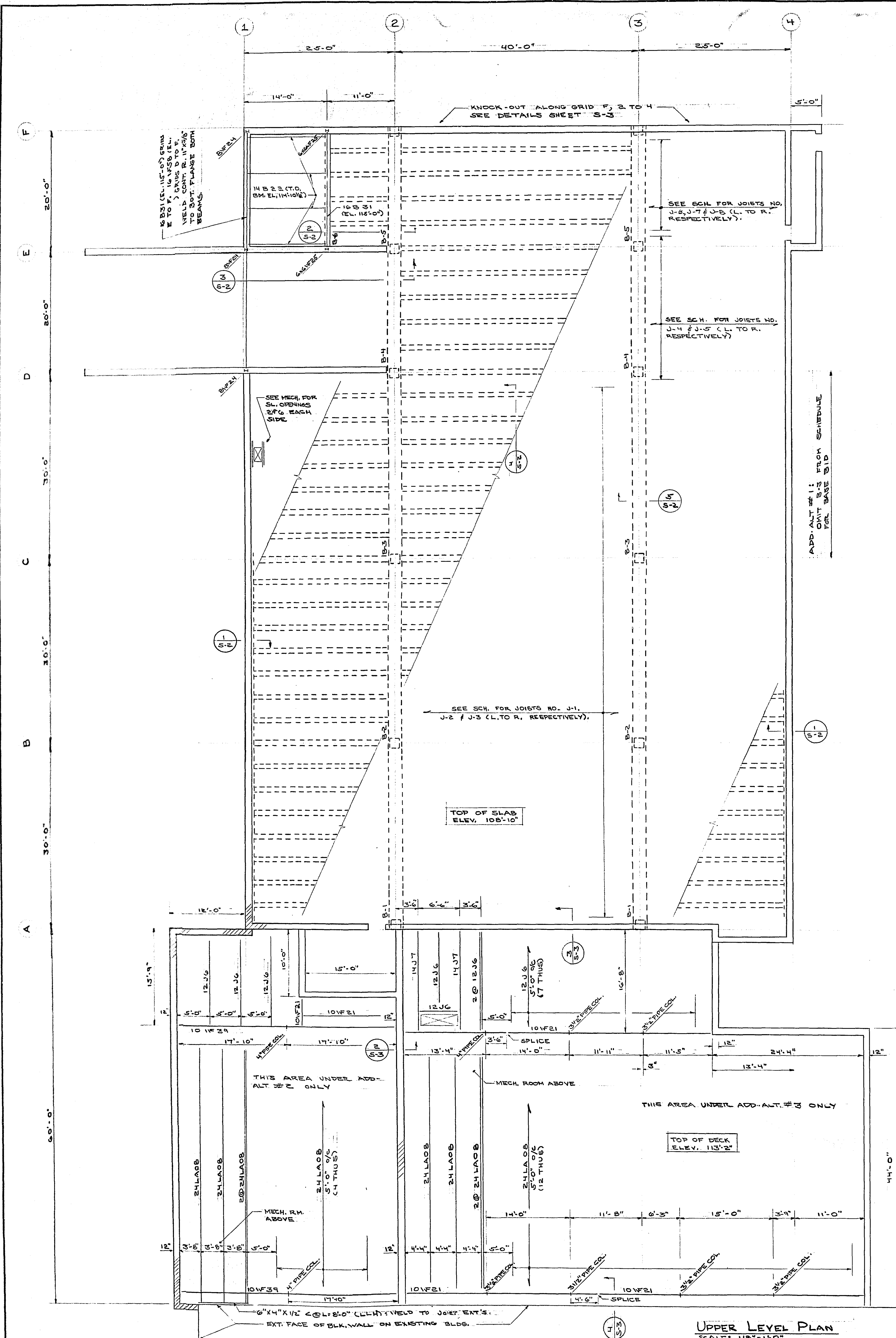
NOTE: PAINT ALL GYP. CEILINGS OF EXPOSED STEEL STRUCTURES

DOOR SCHEDULE

DOOR	DOOR SIZE	TYPE	PANEL TYPE	FRAME TYPE	LINTEL TYPE	HARDWARE NO.	GRILLE OR UNDERCUT	REMARKS
100A	3'-0" x 6'-8 1/2" x 134"	B	P-1	B	L-3	7		B LABEL
100B	3'-0" x 6'-8 1/2" x 134"	B	P-1	B	L-2	7		B LABEL
101A	3'-0" x 6'-8 1/2" x 134"	B	P-1	B	L-3	4		B LABEL
101B	3'-0" x 6'-8 1/2" x 134"	B	P-1	B	L-3	4		B LABEL
101C	3'-0" x 6'-8 1/2" x 134"	B	P-1	B	L-3	1		B LABEL
101D	16'-0" M.O. HIGH x 17'-6" WIDE M.O. ROLLING STEEL DOOR							
102A	3'-0" x 6'-8 1/2" x 134"	A	P-1	B	L-3	15		PLASTIC FACED
102B	3'-0" x 6'-8 1/2" x 134"	A	P-1	B	L-3	5		PLASTIC FACED
103	2'-8" x 6'-8 1/2" x 134"	A	P-1	B	L-1	14		PLASTIC FACED
104	2'-8" x 6'-8 1/2" x 134"	A	P-1	B	L-1	5		PLASTIC FACED
106	2'-8" x 6'-8 1/2" x 134"	A	P-1	B	L-1	5	24" x 12"	PLASTIC FACED
107	3'-0" x 6'-8 1/2" x 134"	B	P-1	B	L-3	5		B LABEL
108A	3'-0" x 6'-8 1/2" x 134"	B	P-1	B	L-2	8		B LABEL
108B	2'-8" x 6'-8 1/2" x 134"	B	P-2	B	L-2	10		B LABEL
109A	3'-0" x 6'-8 1/2" x 134"	B	P-1	B	L-2	8		B LABEL
109B	2'-8" x 6'-8 1/2" x 134"	B	P-2	B	L-2	10		B LABEL
110	3'-0" x 6'-8 1/2" x 134"	B	P-1	B	L-2	7		B LABEL
111A	3'-0" x 6'-8 1/2" x 134"	B	P-3	B	L-3	12		B LABEL
111B	3'-0" x 6'-8 1/2" x 134"	A	P-1	B	L-1	6		B LABEL
112A	3'-0" x 6'-8 1/2" x 134"	A	P-1	B	L-3	6		B LABEL
112B	3'-0" x 6'-8 1/2" x 134"	A	P-1	B	L-1	6		B LABEL
112C	2'-8" x 6'-8 1/2" x 134"	A	P-2	B	L-1	9		B LABEL
112D	3'-0" x 6'-8 1/2" x 134"	A	P-1	B	L-1	6		B LABEL
113A	3'-0" x 6'-8 1/2" x 134"	C	P-1	B	L-3	2		B LABEL
113B	2'-8" x 6'-8 1/2" x 134"	B	P-2	B	L-3	11		B LABEL
114	3'-0" x 6'-8 1/2" x 134"	B	P-1	B	L-3	13		B LABEL
201A	3'-0" x 6'-8 1/2" x 134"	B	P-1	B	L-3	4		B LABEL
201B	3'-0" x 6'-8 1/2" x 134"	B	P-1	B	L-3	2		B LABEL
201C	3'-0" x 6'-8 1/2" x 134"	B	P-1	B	L-3	4		B LABEL
201D	3'-0" x 6'-8 1/2" x 134"	B	P-1	B	L-3	3		B LABEL
201E	16'-4" M.O. HIGH x 18'-6" WIDE M.O. ROLLING STEEL DOOR							
202	3'-0" x 6'-8 1/2" x 134"	B	P-1	B	L-1	3		B LABEL
203	3'-0" x 6'-8 1/2" x 134"	B	P-1	B	L-1	3		B LABEL

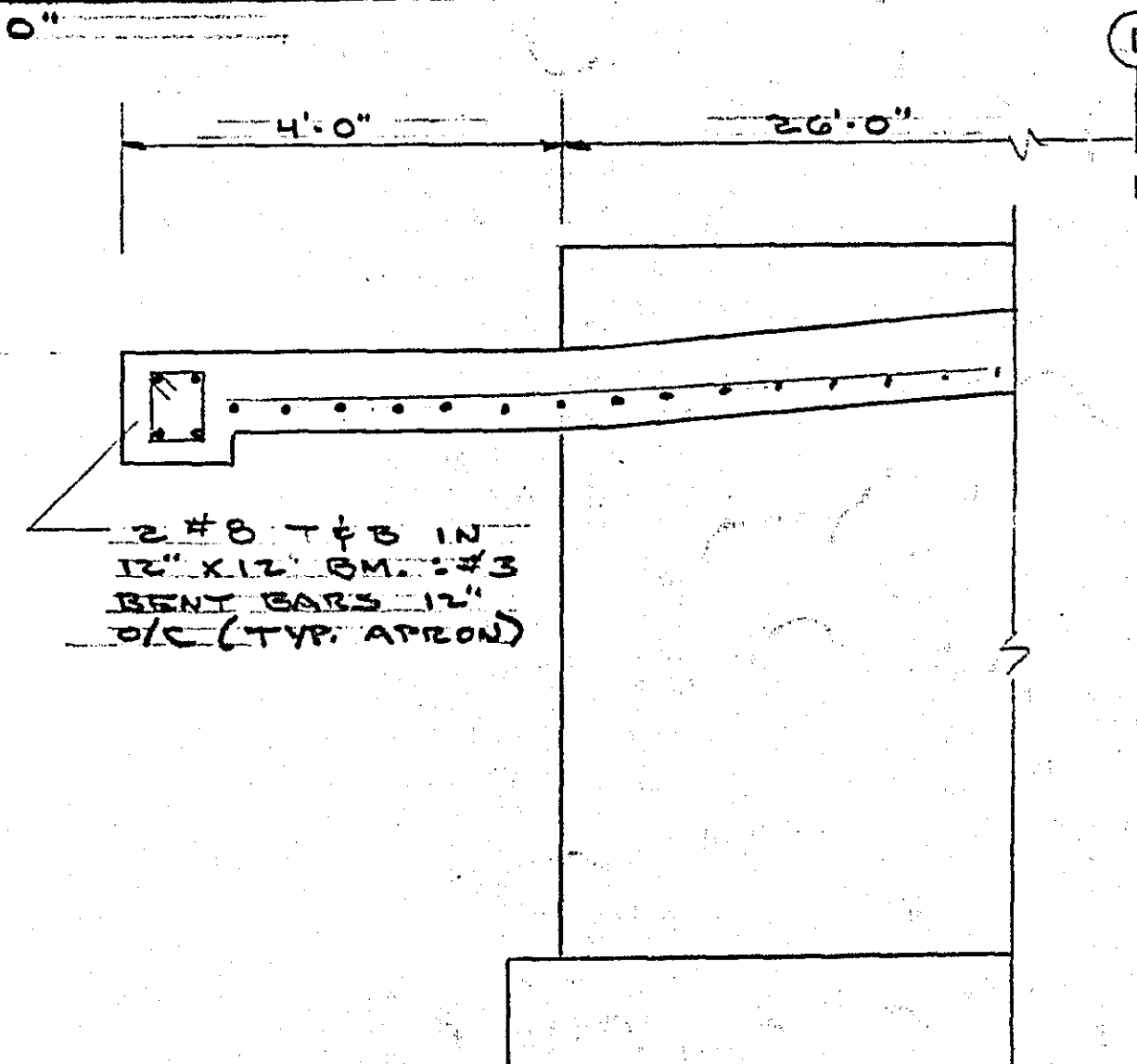
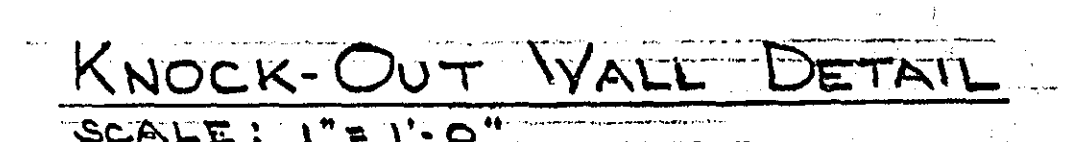
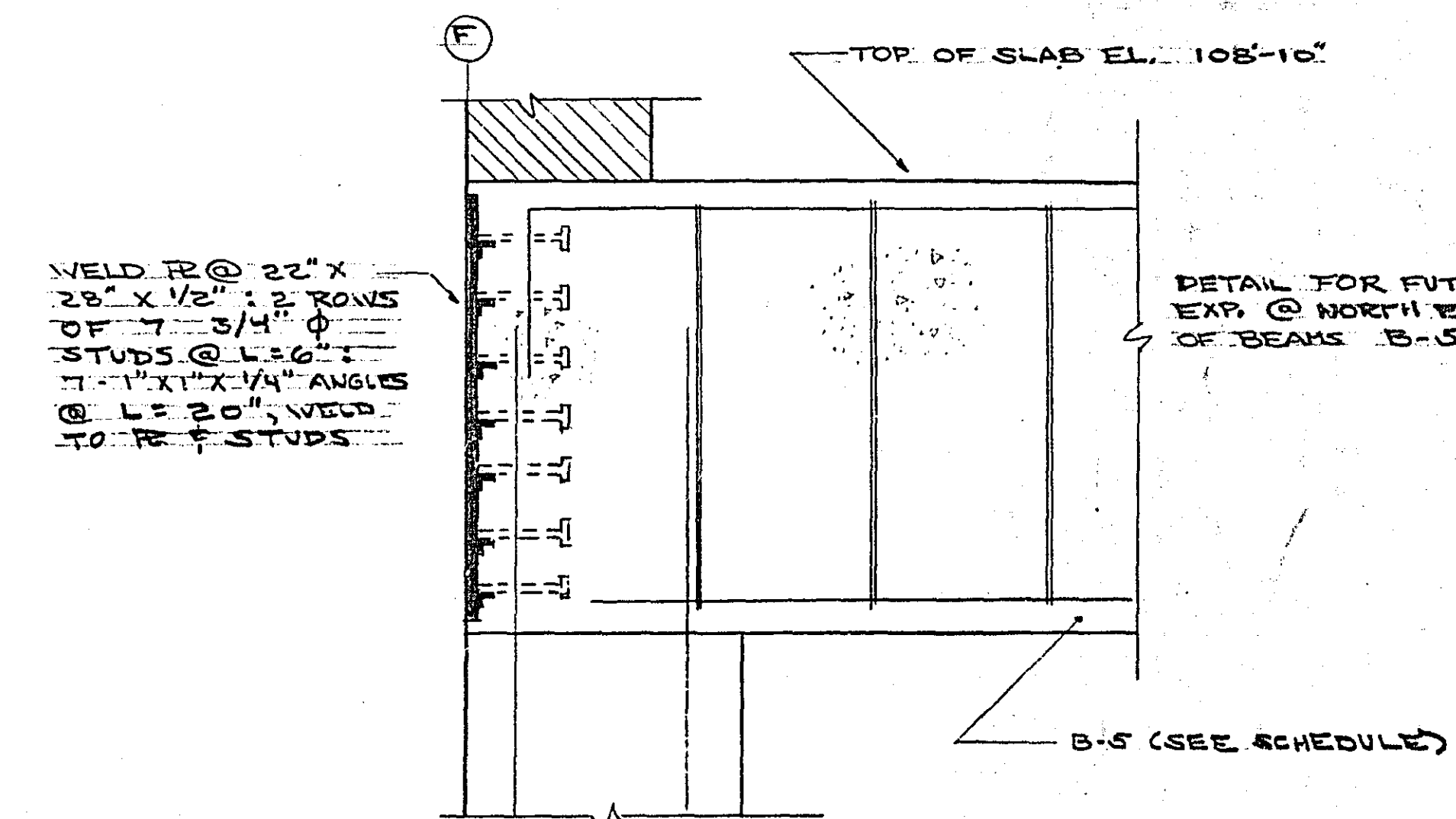
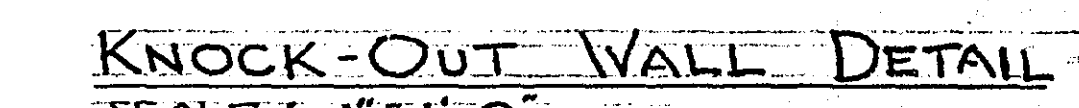
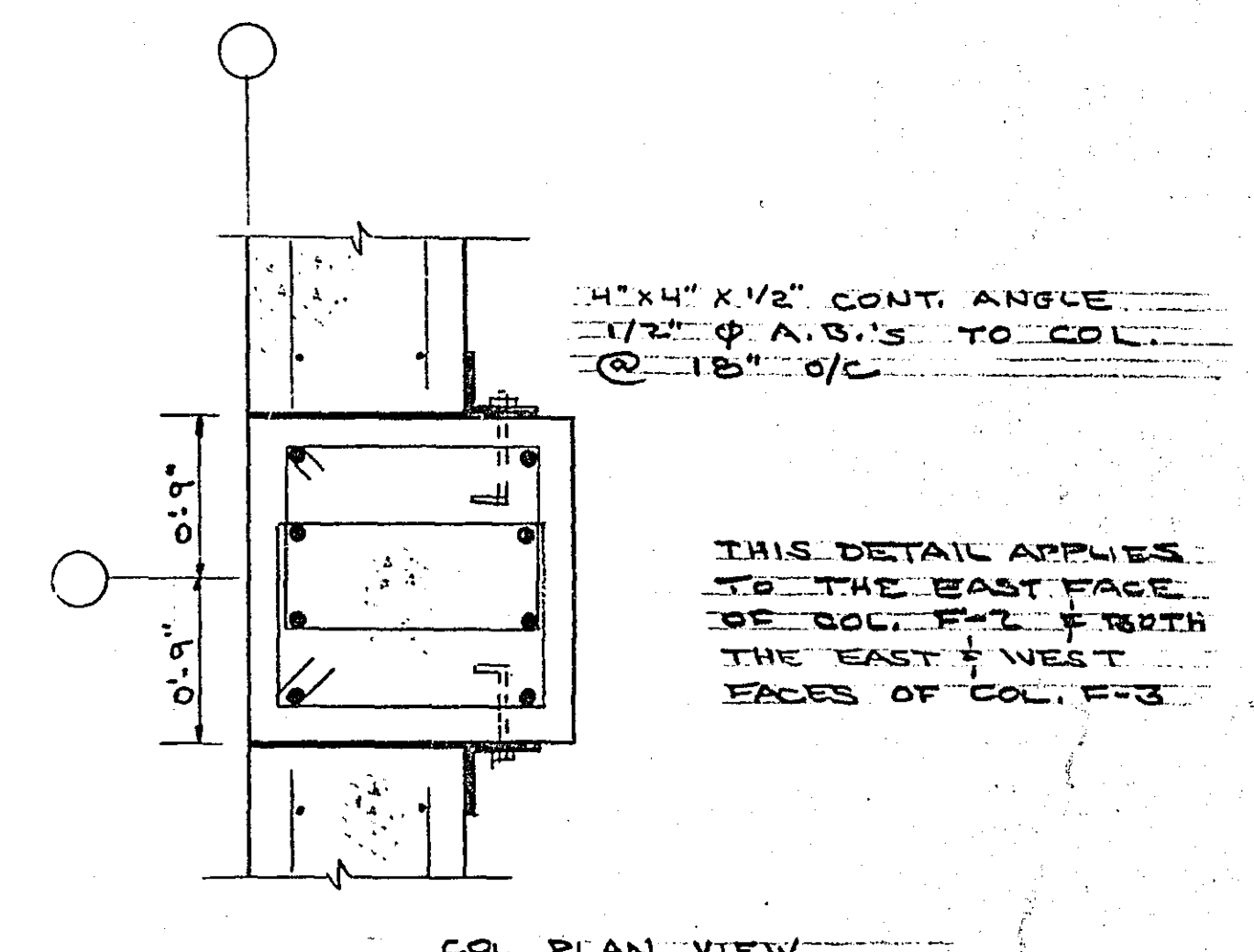
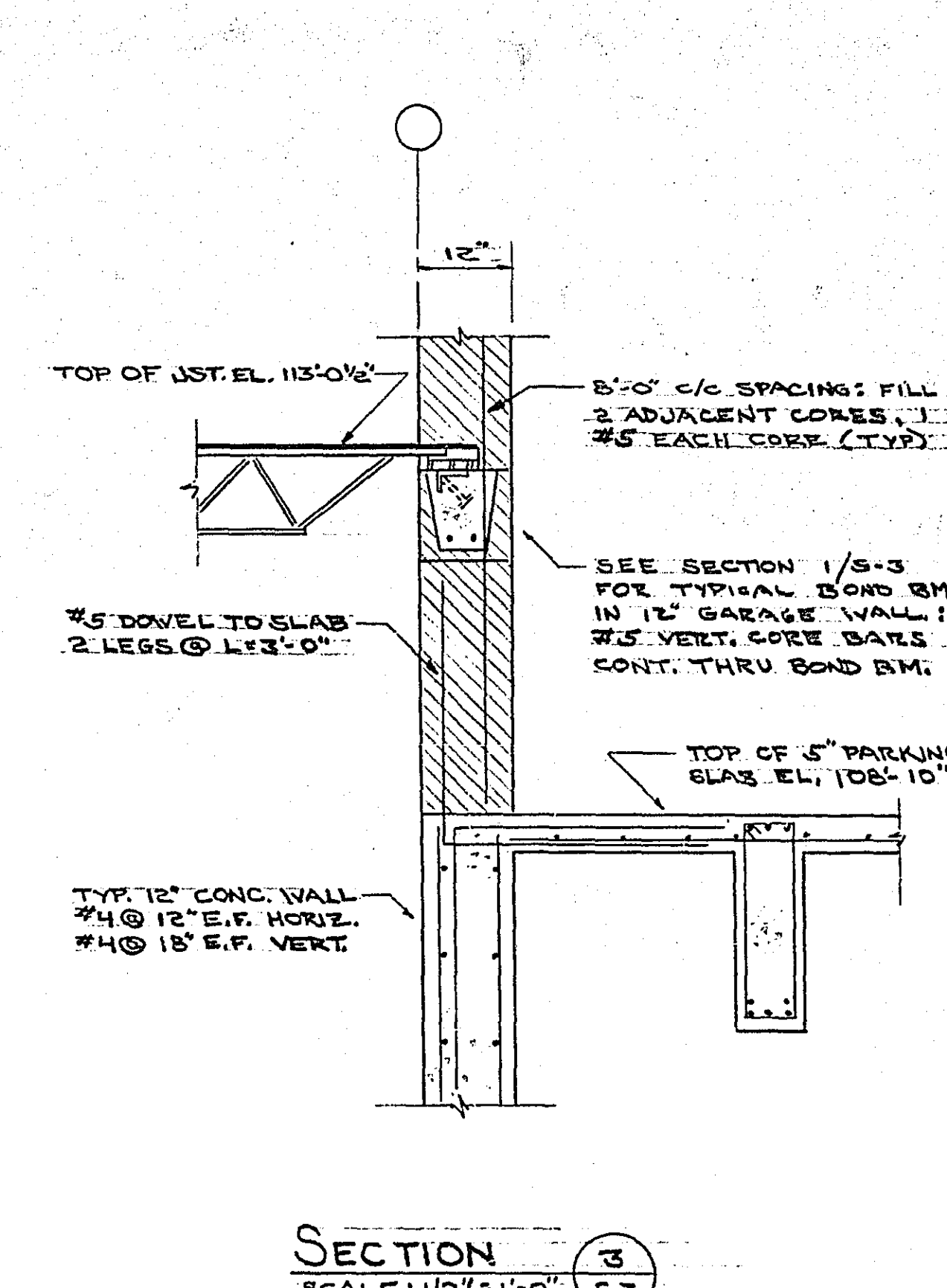
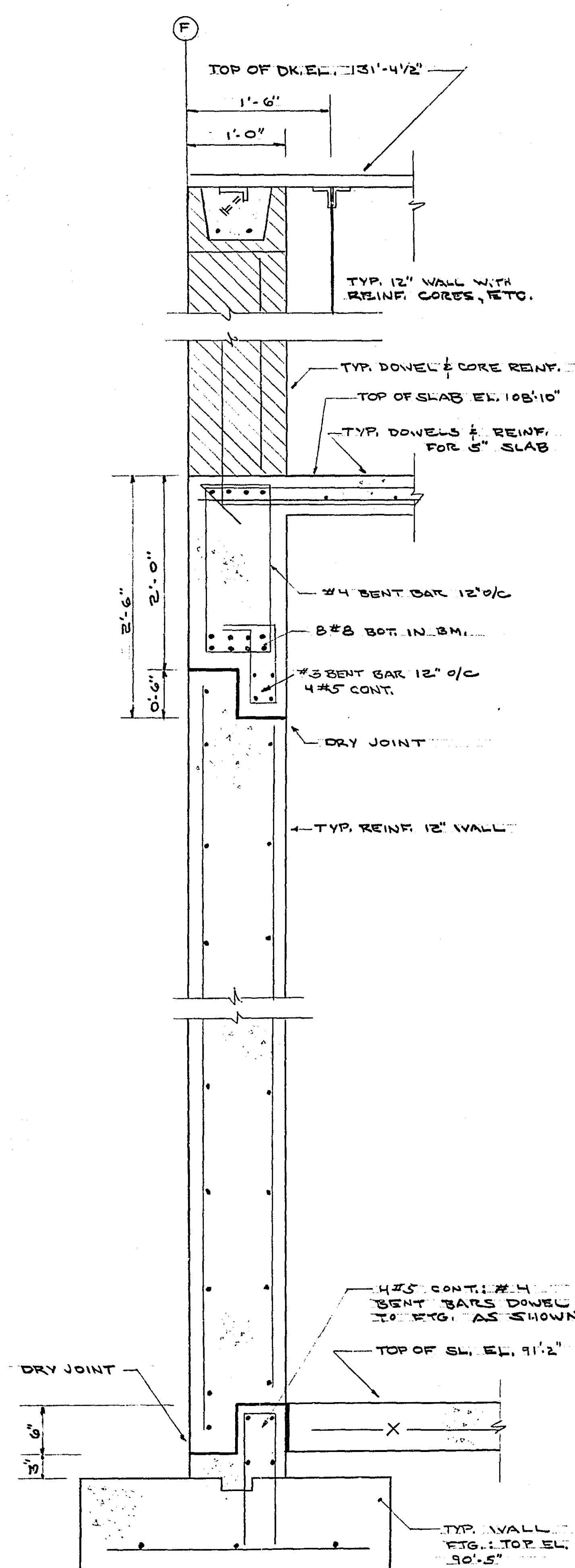
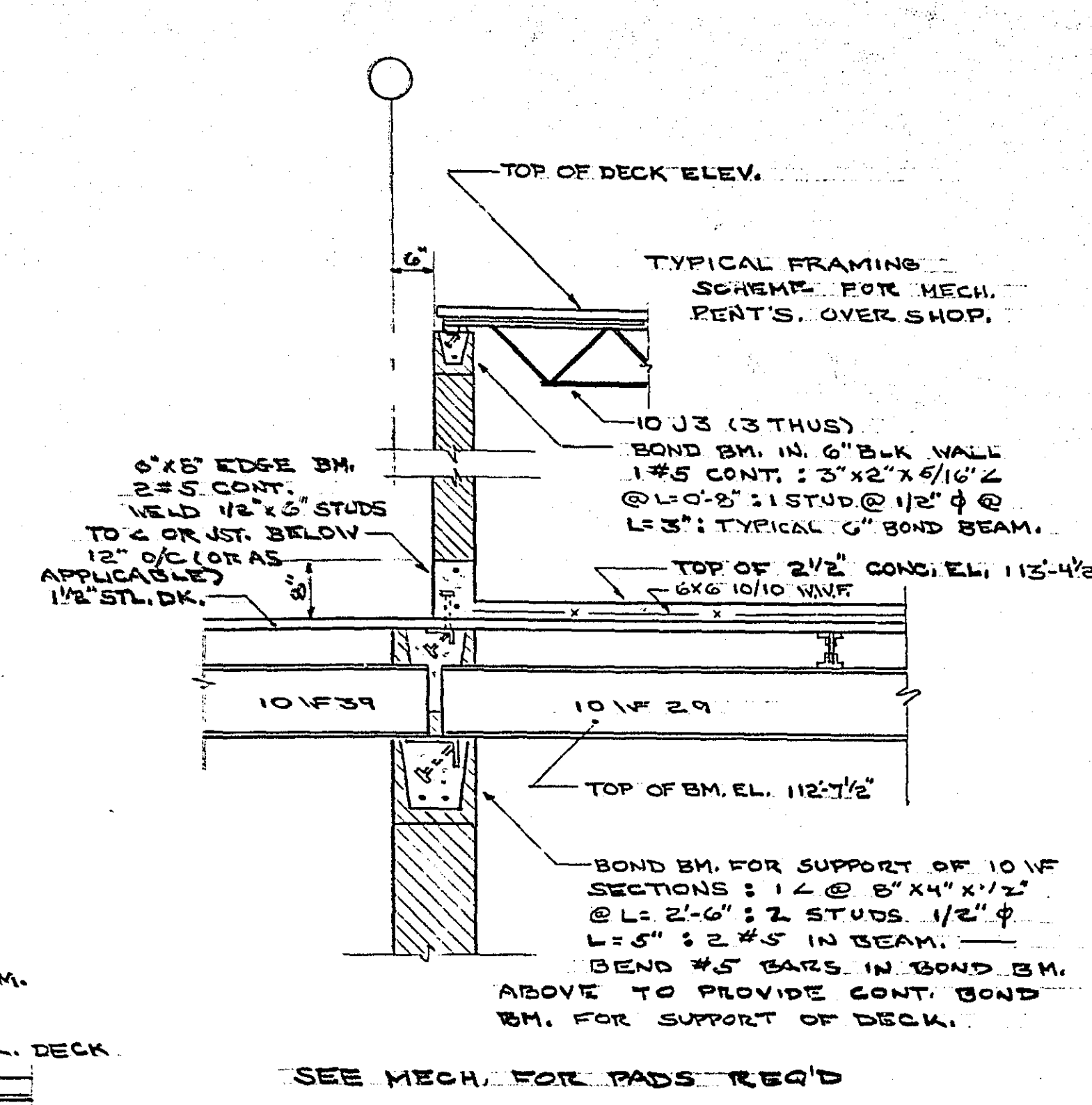
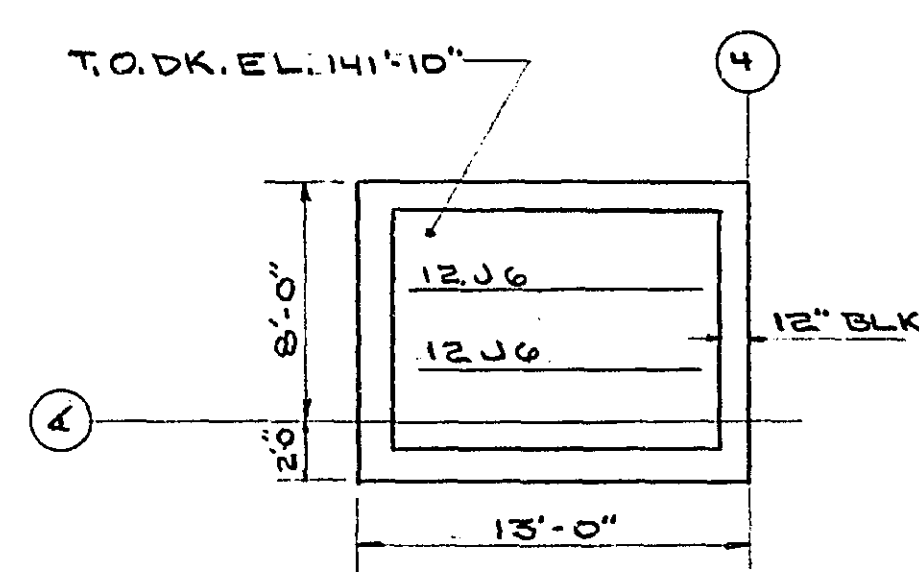
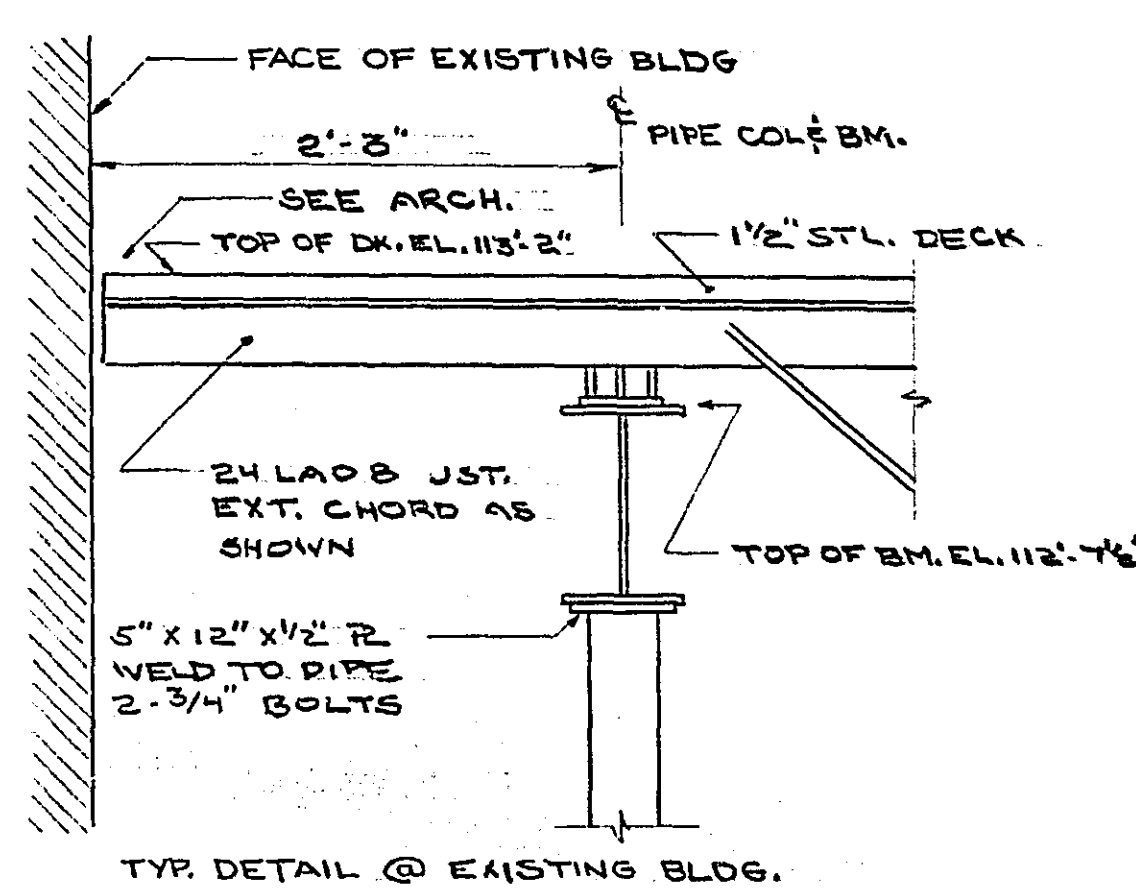
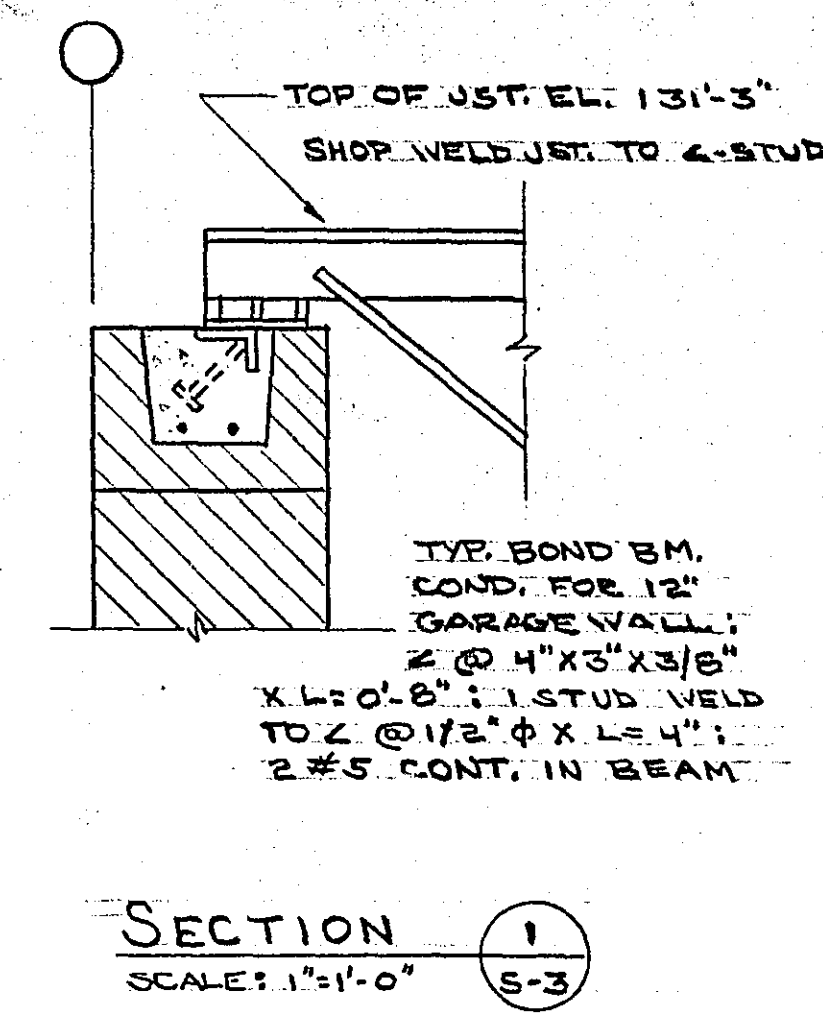
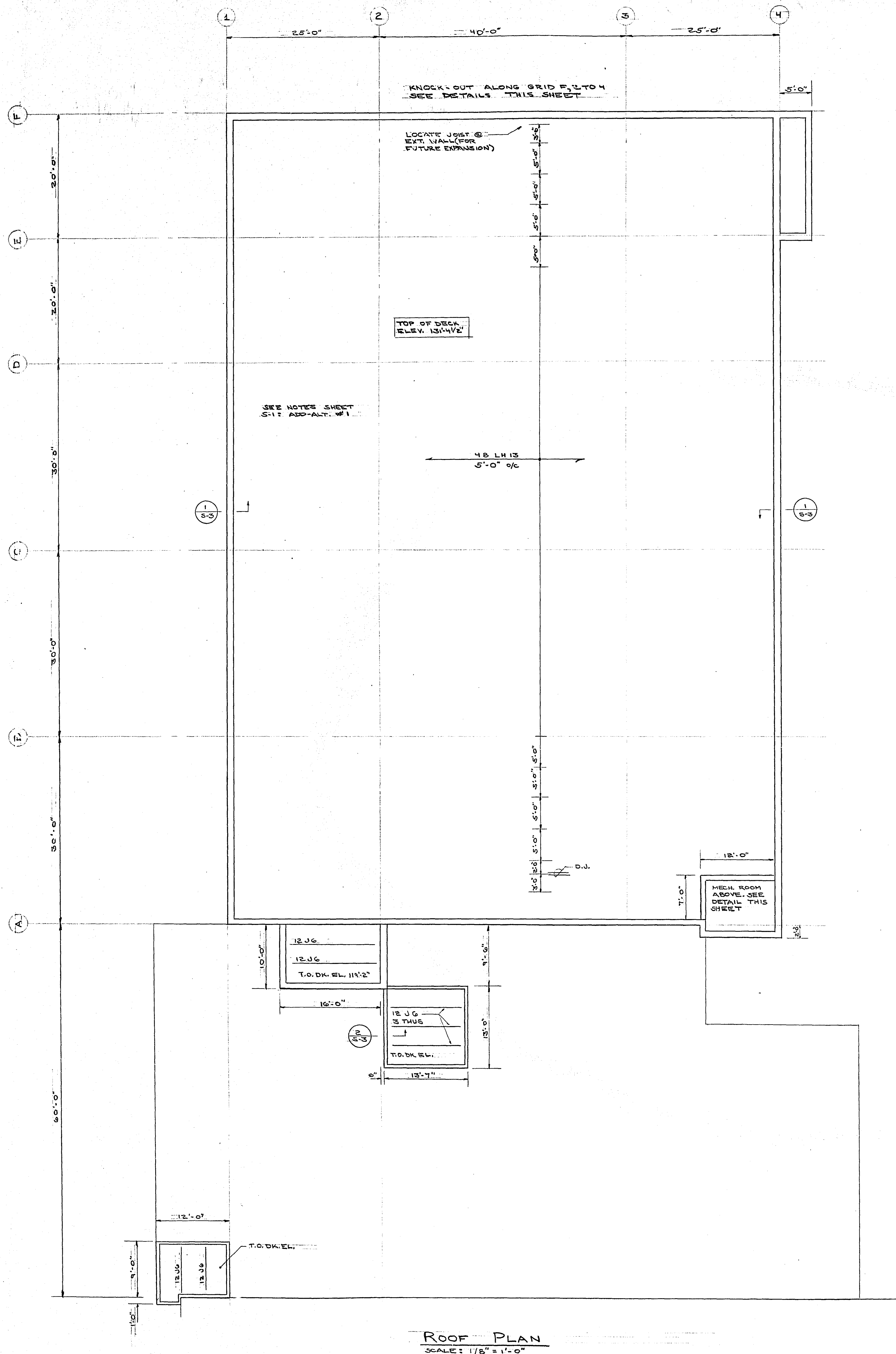


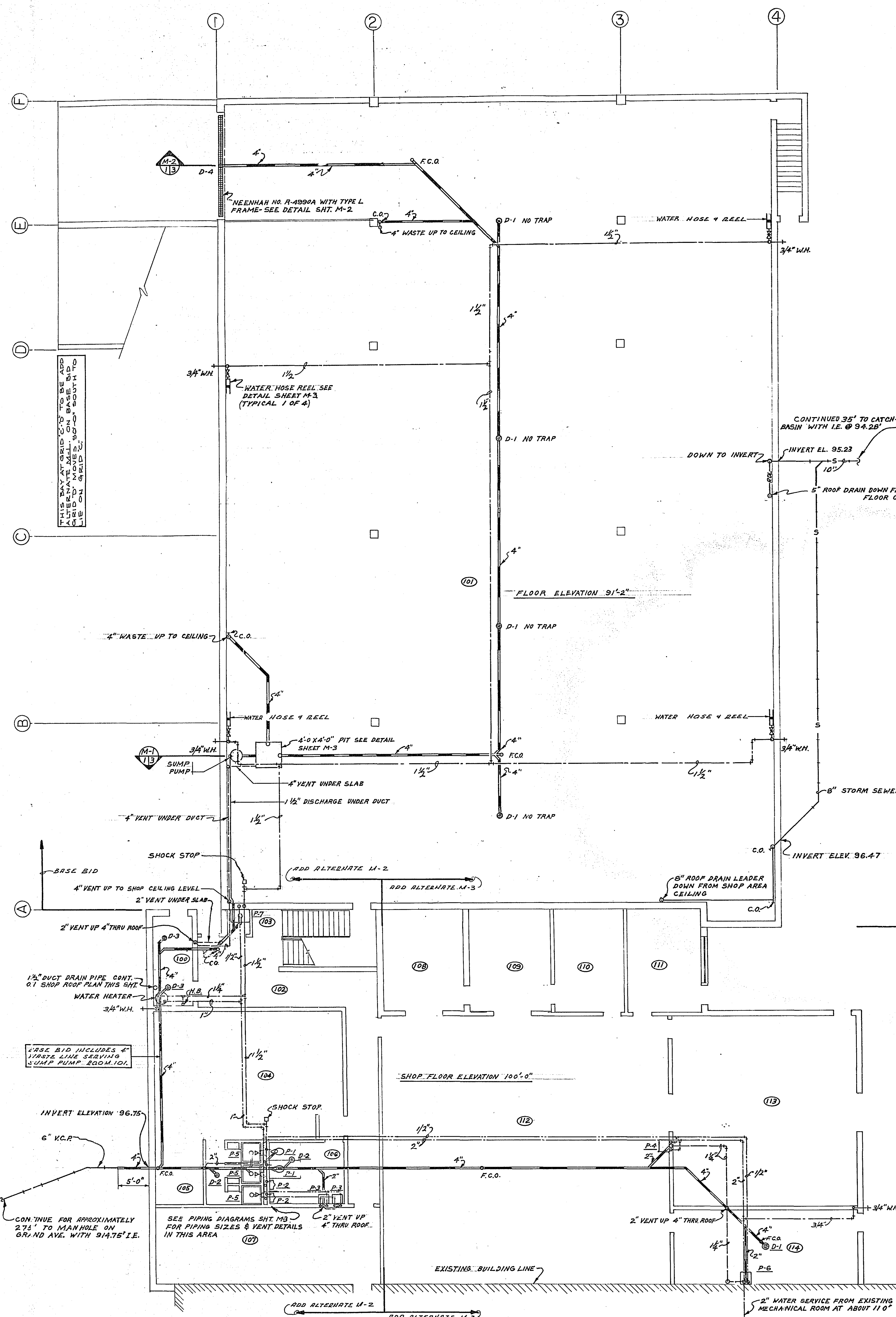




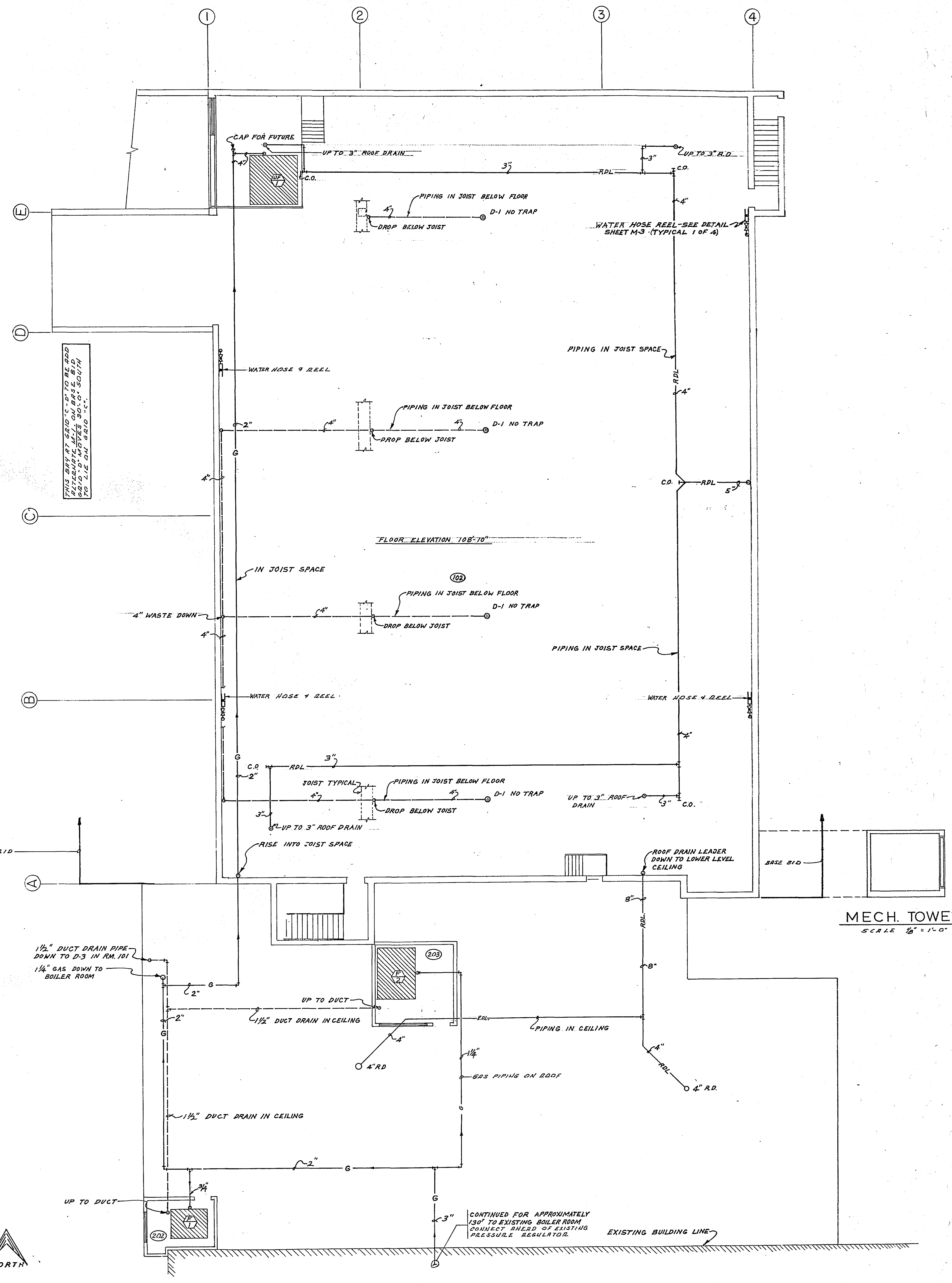
E OF SUPPORT		S		F OF SUPPORT		STIRRUPS	
BEAM NO.	SIZE	NO. OF SIZE	LENGTH	NO. OF SIZE	LENGTH	SECTION	QUAN.
J-1	10x30	3#6	8-3	3#7	24-2	2 LAYS.	73
J-2	10x30	3#6	33-0	3#7	20-0	2 LAYS.	73
J-3	10x30	3#6	40-0	3#7	20-0	2 LAYS.	73
J-4	10x30	3#6	21-9	3#7	21-0	2 LAYS.	73
J-5	10x30	3#6	20-0	3#7	20-0	2 LAYS.	73
J-6	VARIES	3#6	6-3	3#7	11-0	2 LAYS.	73
J-7	10x30	3#6	27-0	3#7	21-0	2 LAYS.	73
J-8	10x30	3#6	15-0	3#7	15-0	2 LAYS.	73
B-1	24x30	5#11	16-6	5#10	10-6	2 LAYS.	73
B-2	24x30	5#11	31-0	5#10	20-0	2 LAYS.	73
B-3	24x30	5#11	26-0	5#10	20-0	2 LAYS.	73
B-4	24x30	5#11	20-0	5#10	10-0	2 LAYS.	73
B-5	24x30	5#11	19-3	5#10	11-0	2 LAYS.	73
B-6	18x12	4#6	10-3	4#6	10-0	2 LAYS.	73

- GENERAL STRUCTURAL NOTES**
- DESIGN CODES:**
- UNIFORM BUILDING CODE
 - A.C.I. BUILDING CODE
 - A.I.S.C. BUILDING CODE
 - ST. PAUL BUILDING CODE
- DESIGN LIVE LOADS:**
- ROOF 40 #/FT²
 - FLOORS 100 #/FT² (OR 7.2 K./WHEEL)
 - CORRIDORS AND STAIRWAYS 100 #/FT²
 - WIND LOAD 20 #/FT²
- DESIGN STRESSES:**
- CONCRETE F_c/C = 3000 PSI
 - REINFORCING STEEL F_y/Y = 50000 PSI
 - STRUCTURAL STEEL F_y/Y = 36000 PSI
 - SOIL PRESSURE NORTH OF GRID "A" F/S = 4000 PSF
 - SOIL PRESSURE SOUTH OF GRID "A" F/S = 2500 PSF
- SOIL AND FOUNDATIONS:**
- ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR COMPACTED BACKFILL AT ELEVATIONS SHOWN ON PLANS.
 - ALL FOOTINGS ARE CENTERED UNDER WALLS AND/OR COLUMNS U.N.
 - ALL WALLS MUST BE PROPERLY SUPPORTED BEFORE BACKFILL IS PLACED.
 - SUPPORTING SLABS MUST BE CURED BEFORE SHORES ARE REMOVED.
- CONCRETE AND REINFORCING:**
- CONCRETE AND REINFORCING SHALL BE PLACED ACCORDING TO A.C.I. BUILDING CODE (A.C.I. 318-63).
 - REINFORCING DETAILING SHALL BE SUPPLIED BY THE DESIGNER. CHAIRS, BARS, AND SUPPORTS NECESSARY TO INSTALL STEEL IN ACCORDANCE WITH CODE REQUIREMENTS.
 - ALL SLAB AND/OR WALL OPENINGS SHALL BE REINFORCED WITH 2-#5 BARS EACH SIDE AND EXTEND 2'-0" BEYOND SAID OPENING. ALL PLUMBING, HEATING AND ELECTRICAL OPENINGS NOT SHOWN THUS ON THE PLAN SHALL BE SLEEVED (MINIMUM SPACING OF 3 SLEEVE DIAMETERS ON CENTER).
 - ALL SLABS ON GRADE SHALL BE REINFORCED WITH 4-W. MESH, AS SHOWN ON PLANS.
 - SPLICES IN REINFORCEMENT SHALL BE 24 BAR DIAMETERS OR A MINIMUM OF 12 INCHES UNLESS DETAILED OTHERWISE.
- CONCRETE COVERAGE OF REINFORCEMENT:**
- STRUCTURAL SLABS 3/4"
 - CONCRETE BEAMS 1 1/2"
 - COLUMN PEDESTALS 2"
 - WALLS - EXPOSED FACE 3/4"
 - INTERIOR FACE 2"
 - SLABS ON GRADE 2"
 - FOOTINGS 3"
- STRUCTURAL SLABS:**
- ALL SCREEDS FOR STRUCTURAL SLABS SHALL BE SET TO ALLOW FOR DEAD LOAD DEFLECTIONS SO THAT THE SLAB IS AT CONSTANT ELEVATION IN AGREEMENT WITH PLANS.
 - SEE SPECIFICATION FOR CONSTRUCTION JOINTS.
- STRUCTURAL STEEL:**
- ALL STRUCTURAL STEEL SHALL BE ASTM A36
 - ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERRECTED ACCORDING TO LATEST A.I.S.C. SPECIFICATIONS.
 - ALL SHOP CONNECTIONS SHALL BE RIVETED, WELDED OR HIGH TENSILE BOLTS.
 - ALL FIELD WELDING SHALL BE PERFORMED BY AN AWS CERTIFIED WELDER AND INSPECTED AS PRESCRIBED BY THE DESIGN ENGINEER.
 - ALL FIELD BOLTS SHALL BE UNFINISHED
 - ALL CONNECTIONS SHALL BE DESIGNED FOR MAXIMUM UNIFORM LOAD FOR THAT SPAN AS INDICATED IN A.I.S.C., CHAPTER 2.
- STEEL JOISTS:**
- ALL STEEL JOISTS SHALL BE DESIGNED AND ERRECTED ACCORDING TO S.J.I. SPECIFICATIONS AND CODE.
 - HORIZONTAL BRIDGING SHALL BE USED FOR "H" AND "J" SERIES JOISTS.
 - DIAGONAL BRACING SHALL BE USED FOR "LH" SERIES JOISTS.
- METAL DECK:**
- ALL METAL DECK SHALL BE PLACED ACCORDING TO MANUFACTURERS RECOMMENDATIONS.
 - ALL ROOF DECK SHALL BE 1 1/2" (MINI"UM SECT. MOD. OF .094 IN 3/FT).



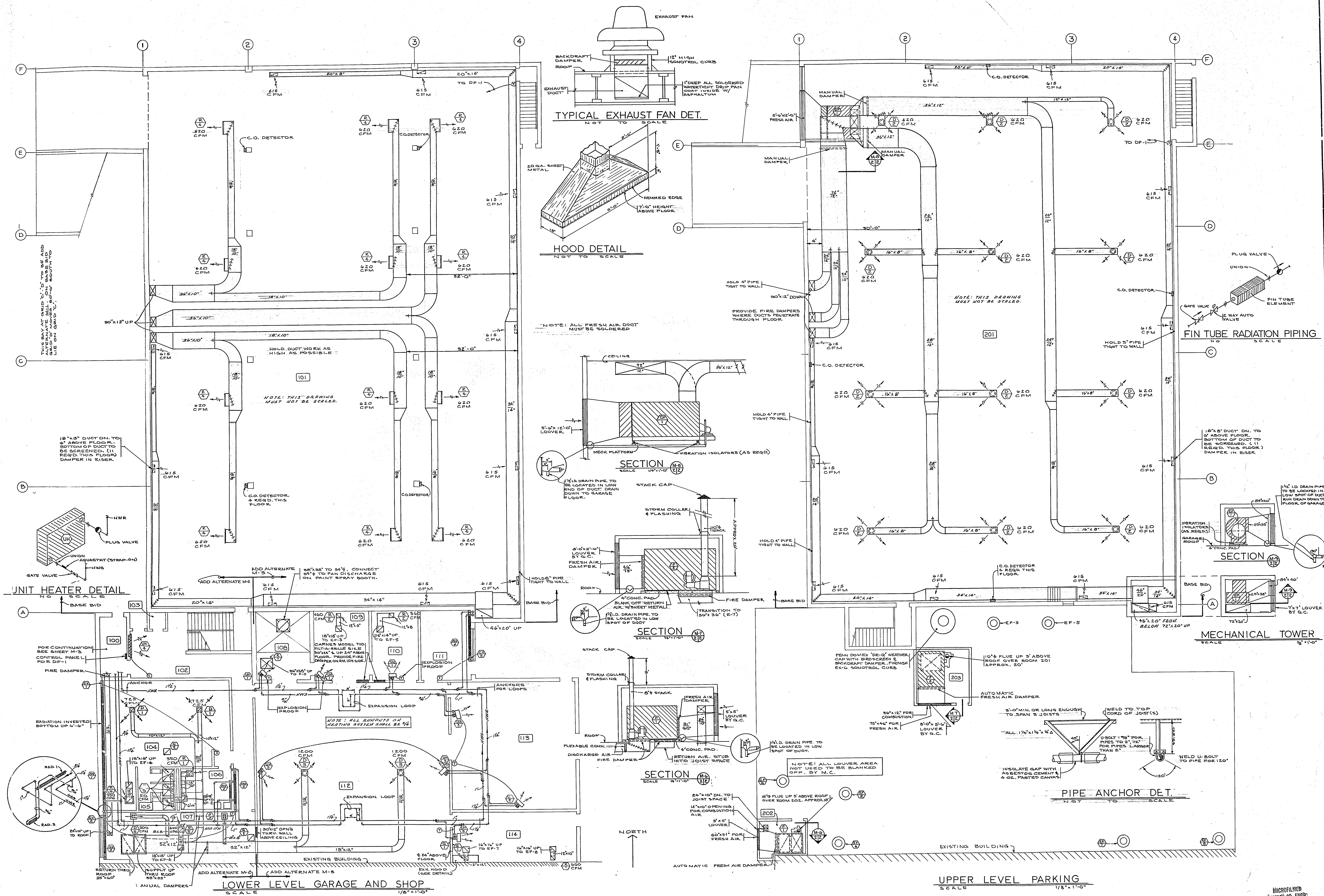


LOWER LEVEL GARAGE & SHOP PLUMBING PLAN
SCALE 1/8" = 1'-0"



UPPER LEVEL PARKING-PLUMBING PLAN
SCALE 1/8" = 1'-0"

MECH. TOWER
SCALE 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 LICENSED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PROJECT NUMBER: 68-9 (4-6920)
DATE: MAY 23, 1969
DRAWN BY: H.H.
CHECKED BY: G.D.
REG. NO. 6901

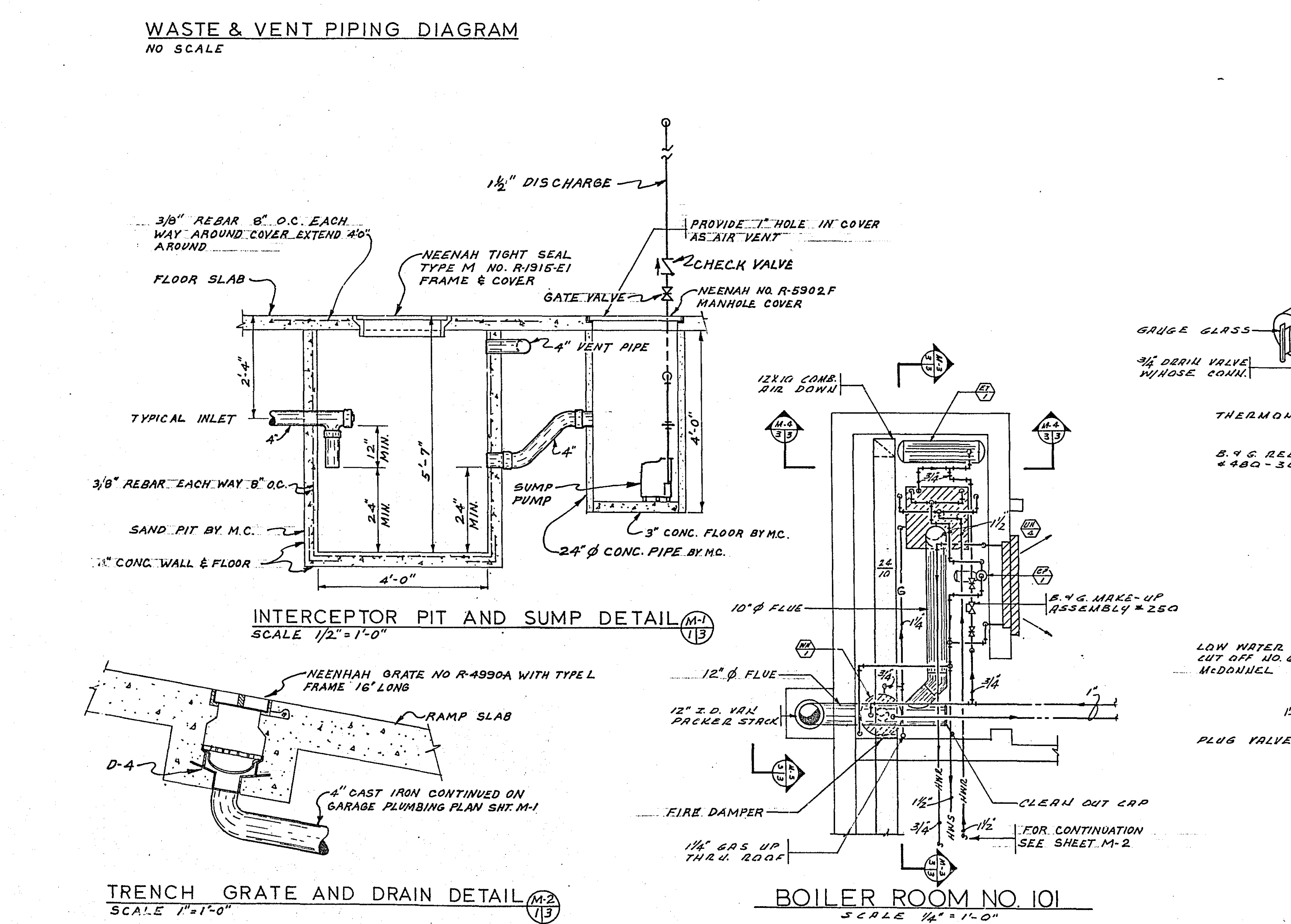
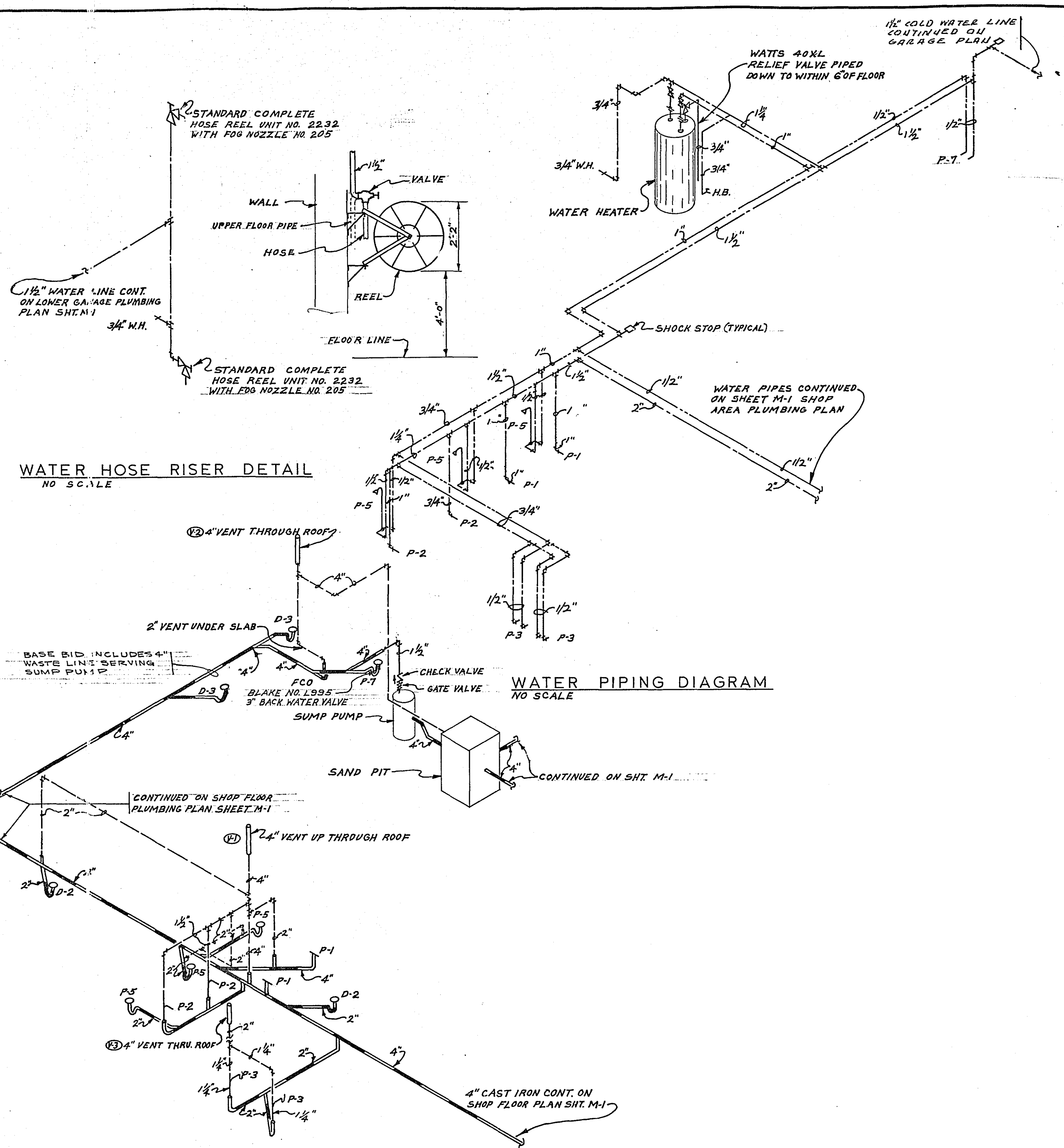
INTERTEC, INC.
CONSULTING ENGINEERS
MINNEAPOLIS
RAPID CITY
SIOUX FALLS

RAMSEY COUNTY HIGHWAY TRUCK PARKING ADDITION & SIGN SHOP
3377 RICE STREET
ST. PAUL, MINN.

HEATING AND VENTILATING PLAN

THE CERNY ASSOCIATES INC
ARCHITECTURE ■ ENGINEERING ■ PLANNING
221 M. OFFICES • MINNEAPOLIS AND SAINT PAUL, MINNESOTA

M-2



FURNACE SCHEDULE									
DESIG.	FUEL	FIRING RATE	NET OUTPUT @ BONNET	CFM	TOTAL S. P.	BURNER MOUNTING	HEAT EXCHANGER	POWER V PH HZ	MFG. NO.
F-1	NATURAL GAS	638 CFH	550,000	4,450	3/4"	RIGHT HAND	POWER	208 3 60 1/6	1-1/2 677
F-2	NATURAL GAS	1410 CFH	1,128,000	10,900	3/4"	RIGHT HAND	POWER	208 3 60 1/6	3 597

BOILER AND BURNER SCHEDULE									
SECTIONS	NET OUTPUT L.B.R.	WATER TEMP.	TYPE	BOILER BASE	CODE DESIGN	INSULATION	TYPE	CAPACITY	MFG. NO.
7	270.1 MBH	210°	SECTIONAL CAST IRON	FURNISH	50 PSI	STEEL WITH FIBERGLASS	CAST IRON WITH DRILLED PORTS	450.0 MBH	AMERICAN STANDARD #G-407 COMPLETE WITH CONTROLS

EXHAUST FAN SCHEDULE									
DESIG.	TYPE	CFM	STATIC PRESS	MAX TIP SPEED	POWER V PH HZ	MOTOR HP RPM	BACKDRAFT DAMPER	STARTER	MFG. NO.
EF-1	BELT DRIVE UTILITY	13,500	1"	6,380	208 3 60 5	737	FURNISH	BY E.C.	PENN DOMEX #BB-45
EF-2	BELT DRIVE CENTRIFUGAL ROOF EXHAUSTER	500	3/8"	3205	120 1 60 1/6	815	FURNISH	BY E.C.	PENN DOMEX #BB-45, WITH SPARK PROOF WHEEL AND HOOD, EXPLOSION PROOF MOTOR
EF-3	BELT DRIVE CENTRIFUGAL ROOF EXHAUSTER	460	3/8"	3065	120 1 60 1/6	780	FURNISH	BY E.C.	PENN DOMEX #BB-45
EF-4	BELT DRIVE CENTRIFUGAL ROOF EXHAUSTER	600	1/4"	2790	120 1 60 1/6	710	FURNISH	BY E.C.	PENN DOMEX #BB-45
EF-5	BELT DRIVE CENTRIFUGAL ROOF EXHAUSTER	360	1/4"	3285	120 1 60 1/12	1140	FURNISH	BY E.C.	PENN DOMEX #BB-45
EF-6	BELT DRIVE CENTRIFUGAL ROOF EXHAUSTER	860	1/4"	3205	120 1 60 1/6	815	FURNISH	BY E.C.	PENN DOMEX #BB-45
EF-7	BELT DRIVE CENTRIFUGAL ROOF EXHAUSTER	955	3/8"	3755	120 1 60 1/6	955	FURNISH	BY E.C.	PENN DOMEX #BB-45
EF-8	BELT DRIVE CENTRIFUGAL ROOF EXHAUSTER	600	1/4"	2790	120 1 60 1/6	710	FURNISH	BY E.C.	PENN DOMEX #BB-45

UNIT HEATER SCHEDULE									
DESIG.	TYPE	CAPACITY	ENT. WATER TEMP.	WATER TEMP. DROP	FAN CFM	FILTER	POWER V PH HZ	MOTOR HP RPM	MFG. NO.
UH-1	HORIZONTAL UNIT HEATER	8.6 MBH	210°	15°	315	--	120 1 60 1/45	1050	TRANE #20-SF
UH-2	HORIZONTAL UNIT HEATER	35.5 MBH	210°	30°	1100	--	120 1 60 1/8	1550	TRANE #70-S
UH-3	HORIZONTAL UNIT HEATER	30.0 MBH	210°	30°	815	--	120 1 60 1/20	1550	TRANE #60-S
UH-4	FORCE FLO CABINET HEATER	33.5 MBH	210°	30°	400	FURNISH PERMANENT	120 1 60 1.3 AMPS	1050	4-1/4" TRANE #04 MODEL M42 WITH 2 SPEED SHADED POLE MOTOR, REIMED

DIRECT FIRED FURNACE SCHEDULE									
DESIG.	FUEL	FIRING RATE	NET OUTPUT @ BONNET	CFM	TOTAL S. P.	BURNER TYPE	HEAT EXCHANGER	POWER V PH HZ	MFG. NO.
DF-1	NATURAL GAS	2,340 CFH	2,340,000	14,900	1"	MAXON PRE-MIX	STAINLESS STEEL	208 3 60 1/6	HASTINGS MODEL LB-16J WITH VERTICAL DISCHARGE AND CONTROL ON RIGHT SIDE

FIN TUBE RADIATION SCHEDULE (H ₂ O IN = 210°, H ₂ O OUT = 180°, EA. = 65°)									
DESIG.	TOTAL MBH	ROWS	ELEMENT LENGTH FA. ROW	COVER LENGTH	ELEMENT TYPE	COVER TYPE & HEIGHT	COVER GAUGE	ACCESSORIES	MFG. NO.
RAD. 1	37.0	1	28.0'	31.0'	1-1/4" C-60	S - 12"	16	DAMPER AND END COVERS	PRIMED COAT TRANE SLOPING TOP 12S
RAD. 2	3.1	1	3.0'	5.0'	1-1/4" S-40	S - 12"	16	DAMPER AND END COVERS	PRIMED COAT TRANE SLOPING TOP 16S
RAD. 3	17.5	1	8.0'	11.0'	1-1/4" C-60	S - 16"	16	DAMPER AND END COVERS	PRIMED COAT TRANE SLOPING TOP 16S
RAD. 4	18.8	1	10.0'	12.0'	1-1/4" S-50	S - 16"	16	END PANEL DAMPER AND END COVER	PRIMED COAT TRANE SLOPING TOP 16S
RAD. 5	7.1	1	7.0'	10.0'	1" C-66	S - 10"	16	END PANEL DAMPER AND END COVER	PRIMED COAT TRANE SLOPING TOP 16S

REGISTER AND GRILLE SCHEDULE									
DESIG.	TYPE	SIZE	QUADRANT DAMPER	MFG. NO.	REMARKS				
D-1	CEILING DIFFUSER	20" X 20"	FURNISH	TITUS TCSX WITH FRAME STYLE 1B, 4-WAY BLOW	OFF WHITE BAKED ENAMEL FINISH				
D-2	CEILING DIFFUSER	10" ROUND	--	TITUS T-1	BAKED ALUMINUM ENAMEL FINISH				
D-3	CEILING DIFFUSER	14" ROUND	--	TITUS T-1	BAKED ALUMINUM ENAMEL FINISH				
D-4	CEILING DIFFUSER	16" X 16"	FURNISH	TITUS MODEL TCSX WITH FRAME STYLE 1B, 3-WAY BLOW	OFF WHITE BAKED ENAMEL FINISH				
R-1	CEILING REGISTER	12" X 12"	FURNISH	TITUS RL-30 WITH 45° DEFLECTION	BAKED ALUMINUM ENAMEL FINISH				
R-2	CEILING REGISTER	16" X 16"	--	TITUS RL-30 WITH 45° DEFLECTION	BAKED ALUMINUM ENAMEL FINISH				
R-3	CEILING REGISTER	6" X 6"	FURNISH	TITUS RL-30 WITH 45° DEFLECTION	OFF WHITE BAKED ENAMEL FINISH				
R-4	SIDEWALL REGISTER	20" X 10"	FURNISH	TITUS RL-30 WITH 45° DEFLECTION	BAKED ALUMINUM ENAMEL FINISH				
R-5	CEILING REGISTER	16" X 16"	--	TITUS RL-30 WITH 45° DEFLECTION	OFF WHITE BAKED ENAMEL FINISH				
R-6	CEILING REGISTER	18" X 18"	--	TITUS RL-30 WITH 45° DEFLECTION	BAKED ALUMINUM ENAMEL FINISH				
R-7	CEILING REGISTER	36" X 36"	--	TITUS RL-30 WITH 0° DEFLECTION	BAKED ALUMINUM ENAMEL FINISH				
G-1	SIDEWALL GRILLE	36" X 20"	--	TITUS RL-30 WITH 45° DEFLECTION	BAKED ALUMINUM ENAMEL FINISH				
G-2	CEILING GRILLE	18" X 18"	--	TITUS RL-30 WITH 45° DEFLECTION	OFF WHITE BAKED ENAMEL FINISH				

PLUMBING FIXTURE SCHEDULE									
DESIG.	TYPE	MFG. NO.	CONNECTIONS C.W. H.W. WASTE	FIXTURE MOUNTING HEIGHT					
P-1	FLOOR MOUNTED FLUSH VALVE	CRANE WHIRLTON 3-325 WITH SLOAN ROYAL 110 QVVG FLUSH VALVE	1" -- 4"	--					
P-2	WALL HUNG LAVATORY	CRANE WHIRLTON NO. 7-187 WITH SLOAN ROYAL 186 QV FLUSH VALVE	3/4" -- 2"	24" TO RIM					
P-3	WALL HUNG LAVATORY	CRANE NORWICH 1-195 WITH 8-2086A FAUCET; 8-5002 SUPPLY STOPS; 8-5260 P-TRAP; JOSAM NO. C-304 CARRIER	1/2" 1/2" 1-1/4"	31" TO RIM					
P-4	WALL HUNG LAVATORY	CRANE NORWICH 1-195 WITH 8-2086A FAUCET; 8-5002 SUPPLY STOPS; 8-5260 P-TRAP; JOSAM NO. C-304 CARRIER	1/2" 1/2" 1-1/4"	31" TO RIM					
P-5	SHOWER	SYMMONS NO. 1-100 SBX-2	1/2" 1/2" 2"	60" TO HEAD					
P-6	SERVICE SINK	POLY MODEL PG8F FIBERGLASS SINK WITH CRANE 8-3755 FAUCET; FURNISH STOPS; 8-5240 STRAINER & 1-1/2" TRAP	1/2" 1/2" 2"	--					
P-7	MOP BASIN	FIAT MODEL MSB 3624 WITH #830-AA; #832-AA HOSE AND #889-CC	1/2" 1/2" 3"	--					
D-1	FLOOR DRAIN	JOSAM NO. 5444 WITH FLASHING	-- -- 4"	--					
D-2	FLOOR DRAIN	JOSAM NO. 5424 WITH FLASHING	-- -- 4"	--					
D-3	FLOOR DRAIN	JOSAM NO. 5424 WITH FLASHING	-- -- 4"	--					
D-4	FLOOR DRAIN	JOSAM NO. 5424 WITH FLASHING	-- -- 4"	--					
W.H.	WALL HYDRANT	WOODFORD MODEL 8 SERIES	3/4" -- -- 18"	--					
F.C.O.	FLOOR CLEANOUT	JOSAM Y-624-F	-- -- --	--					
W.C.O.	WALL CLEANOUT	JOSAM Y-144-BB	-- -- --	--					

CONTROL VALVE SCHEDULE									
DESIG.	TYPE	SIZE	MEDIUM	FLOW GPM	MAX. AP	MIN. CV			
CV-1	N.O. TWO WAY MODULATING	1/2"	WATER	2.5	4	1.6			
CV-2	N.O. TWO WAY MODULATING	1/2"	WATER	1.2	4	0.83			
CV-3	N.O. TWO WAY MODULATING	1/2"	WATER	1.3	4	0.73			

WATER HEATER SCHEDULE				
TYPE	STORAGE	RECOVERY @ 100° RISE	INPUT RTU	MFG. NO.
STORAGE GAS FIRED	75 GAL.	63 GAL.	75,500	RUUDGLAS MODEL GL75-75

*FURNISH GAS REGULATOR CAPABLE OF HANDLING 1/2 POUNDS P.S.I.

LEGEND									
+++	VITREOUS CLAY PIPE	--- ---	CHECK VALVE						
---	UNDERGROUND WASTE	--- ---	UN'ON						
---	ABOVE GROUND WASTE	--- ---	AUTO VALVE						
---	VENT LINE	--- ---	RELIEF VALVE						
---	DOMESTIC COLD WATER	--- ---	PRESSURE GAUGE						
---	DOMESTIC HOT WATER	--- ---	FLOW INDICATOR						
---R.D.L.	ROOF DRAIN LEADER	--- ---	THERMOSTAT						
---H.W.S.	HOT WATER SUPPLY	--- ---	THERMOMETER						
---H.W.R.	HOT WATER RETURN	--- ---	AIR VENT						
---G	GAS LINE	--- ---	STRAINER						
---F.C.O.	FLOOR CLEANOUT	--- ---	DUCTWORK						
---C.O.	CLEANOUT	--- ---	SPLITTER DAMPER						
---X	GATE VALVE	--- ---	TURNING VANES						
---A	GATE VALVE ON RISER	--- ---	W.H.						
---X	GLOBE VALVE	--- ---	WALL HYDRANT						
---O	PLUG VALVE	--- ---	H.B.						
			HOSE BIBB						

SUMP PUMP SCHEDULE									
TYPE	SIZE	PUMPS	POWER	MOTOR	CONTROL	MFG. NO.			
SUBMERSIBLE	50	15"	120 1 60 1/2	1725	FLOAT SWITCH	ENFO MODEL 150A			

*EXPLOSION PROOF MOTOR.

EXPANSION TANK				
TYPE	CODE DESIGN	CAPACITY	SIZE	MFG. NO.
HORIZONTAL SUSPENDED WITH SIGHT GLASS	ASME	24 GAL.	12" DIA. X 49" LONG	BELL & GOSSETT #24

CIRCULATING PUMP SCHEDULE									
DESIG.	TYPE	GPM	FT. OF HEAD	POWER	MOTOR	STARTER	IMPELLER MATERIAL	VOLUME MATERIAL	MFG. NO.
CP-1	IN-LINE CENTRIFUGAL	18.0	24.0	120 1 60 1/3	1750	BY E.C.	BRONZE	BRONZE	BELL & GOSSETT SERIES 60 IAA WITH 5-1/4" IMPELLER

CONNECTIONS									
	C.W.	H.W.	WASTE	FIXTURE MOUNTING HEIGHT					
WITH SLOAN VALVE	1"	--	4"	--					
-187 WITH SH VALVE	3/4"	--	2"	24" TO RIM					
WITH 8-2086A STOPS; 8-5260 14 CARRIER	1/2"	1/2"	1-1/4"	31" TO RIM					
WITH 8-2086A STOPS; 8-5260 14 CARRIER	1/2"	1/2"	1-1/4"	31" TO RIM					
C-2	1/2"	1/2"	2"	60" TO HEAD					
GLASS SINK SET; FURNISH & 1-1/2" TRAP	1/2"	1/2"	2"	--					
WITH #830-AA; CC	1/2"	1/2"	3"	--					
FLASHING	--	--	4"	--					
H FLASHING	--	--	2"	--					
FLASHING	--	--	4"	--					
FLASHING	--	--	4"	--					
TRIPS	3/4"	--	--	18"					
	3/4"	--	--	18"					
	--	--	--	--					
	--	--	--	--					

CONNECTIONS									
	C.W.	H.W.	WASTE	FIXTURE MOUNTING HEIGHT					
WITH SLOAN VALVE	1"	--	4"	--					
-187 WITH SH VALVE	3/4"	--	2"	24" TO RIM					
WITH 8-2086A STOPS; 8-5260 14 CARRIER	1/2"	1/2"	1-1/4"	31" TO RIM					
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C-2	1/2"	1/2"	2"	60" TO HEAD					
GLASS SINK SET; FURNISH & 1-1/2" TRAP	1/2"	1/2"	2"	--					
WITH #830-AA; CC	1/2"	1/2"	3"	--					
FLASHING	--	--	4"	--					
H FLASHING	--	--	2"	--					
FLASHING	--	--	4"	--					
FLASHING	--	--	4"	--					
TRIPS	3/4"	--	--	18"					
	3/4"	--	--	18"					
	--	--	--	--					
	--	--	--	--					

CONNECTIONS									
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FLASHING	--	--	4"	--					
H FLASHING	--	--	2"	--					
FLASHING	--	--	4"	--					
FLASHING	--	--	4"	--					
TRIPS	3/4"	--	--	18"					
	3/4"	--	--	18"					
	--	--	--	--					
	--	--	--	--					

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WITH #830-AA; CC	1/2"	1/2"	3"	--					
FLASHING	--	--	4"	--					
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TRIPS	3/4"	--	--	18"					
	3/4"	--	--	18"					
	--	--	--	--					
	--	--	--	--					

CONNECTIONS									
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FLASHING	--	--	4"	--					
TRIPS	3/4"	--	--	18"					
	3/4"	--	--	18"					
	--	--	--	--					
	--	--	--	--					

CONNECTIONS									
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FLASHING	--	--	4"	--					
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FLASHING	--	--	4"	--					
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	3/4"	--	--	18"					
	--	--	--	--					
	--	--	--	--					

CONNECTIONS									
	C.W.	H.W.	WASTE	FIXTURE MOUNTING HEIGHT					
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-187 WITH SH VALVE	3/4"	--	2"	24" TO RIM					
WITH 8-2086A STOPS; 8-5260 14 CARRIER	1/2"	1/2"	1-1/4"	31" TO RIM					
WITH 8-2086A STOPS; 8-5260 14 CARRIER	1/2"	1/2"	1-1/4"	31" TO RIM					
C-2	1/2"	1/2"	2"	60" TO HEAD					
GLASS SINK SET; FURNISH & 1-1/2" TRAP	1/2"	1/2"	2"	--					
WITH #830-AA; CC	1/2"	1/2"	3"	--					
FLASHING	--	--	4"	--					
H FLASHING	--	--	2"	--					
FLASHING	--	--	4"	--					
FLASHING	--	--	4"	--					
TRIPS	3/4"	--	--	18"					
	3/4"	--	--	18"					
	--	--	--	--					
	--	--	--	--					

CONNECTIONS									
	C.W.	H.W.	WASTE	FIXTURE MOUNTING HEIGHT					
WITH SLOAN VALVE	1"	--	4"	--					
-187 WITH SH VALVE	3/4"	--	2"	24" TO RIM					
WITH 8-2086A STOPS; 8-5260 14 CARRIER	1/2"	1/2"	1-1/4"	31" TO RIM					
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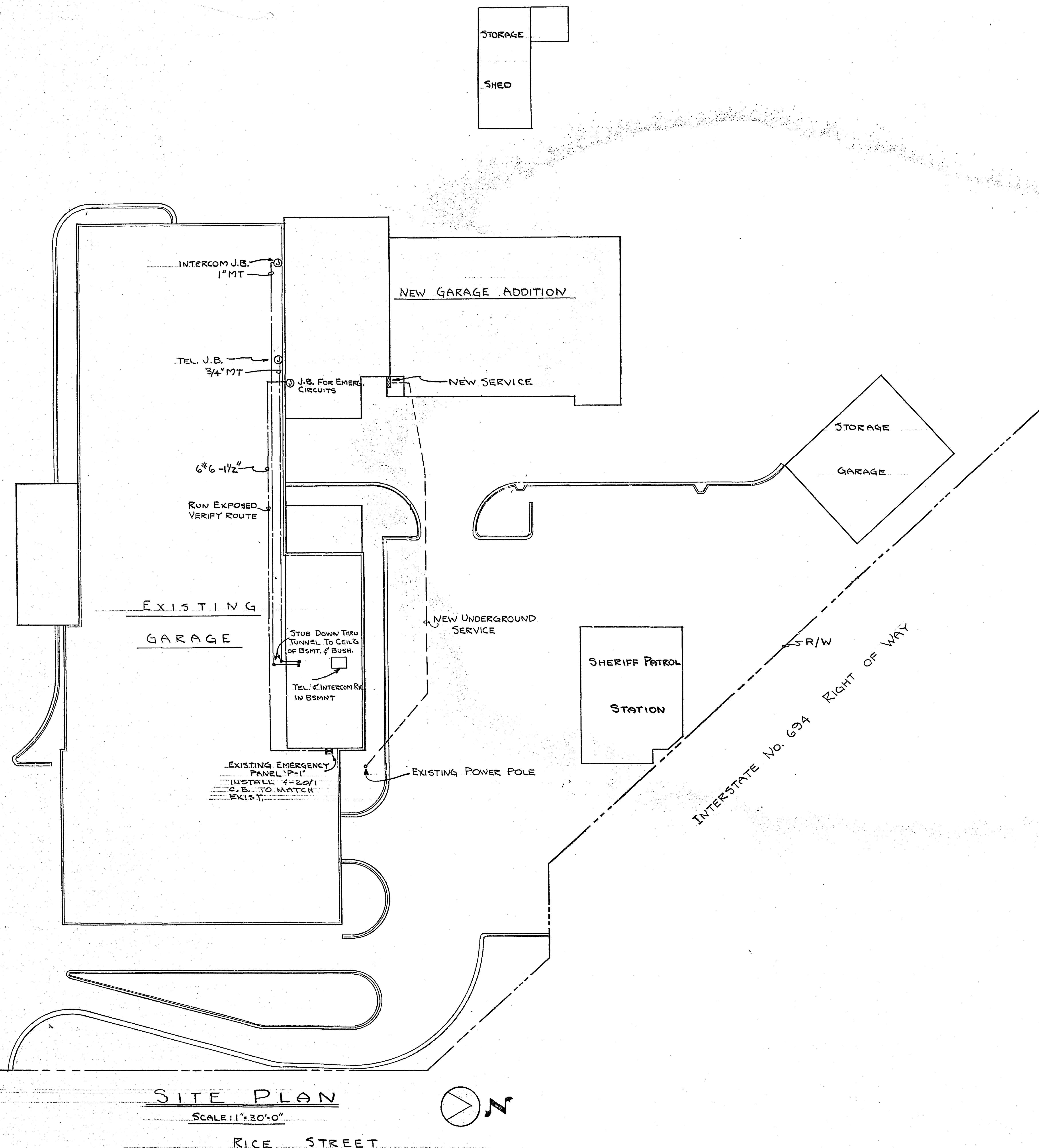
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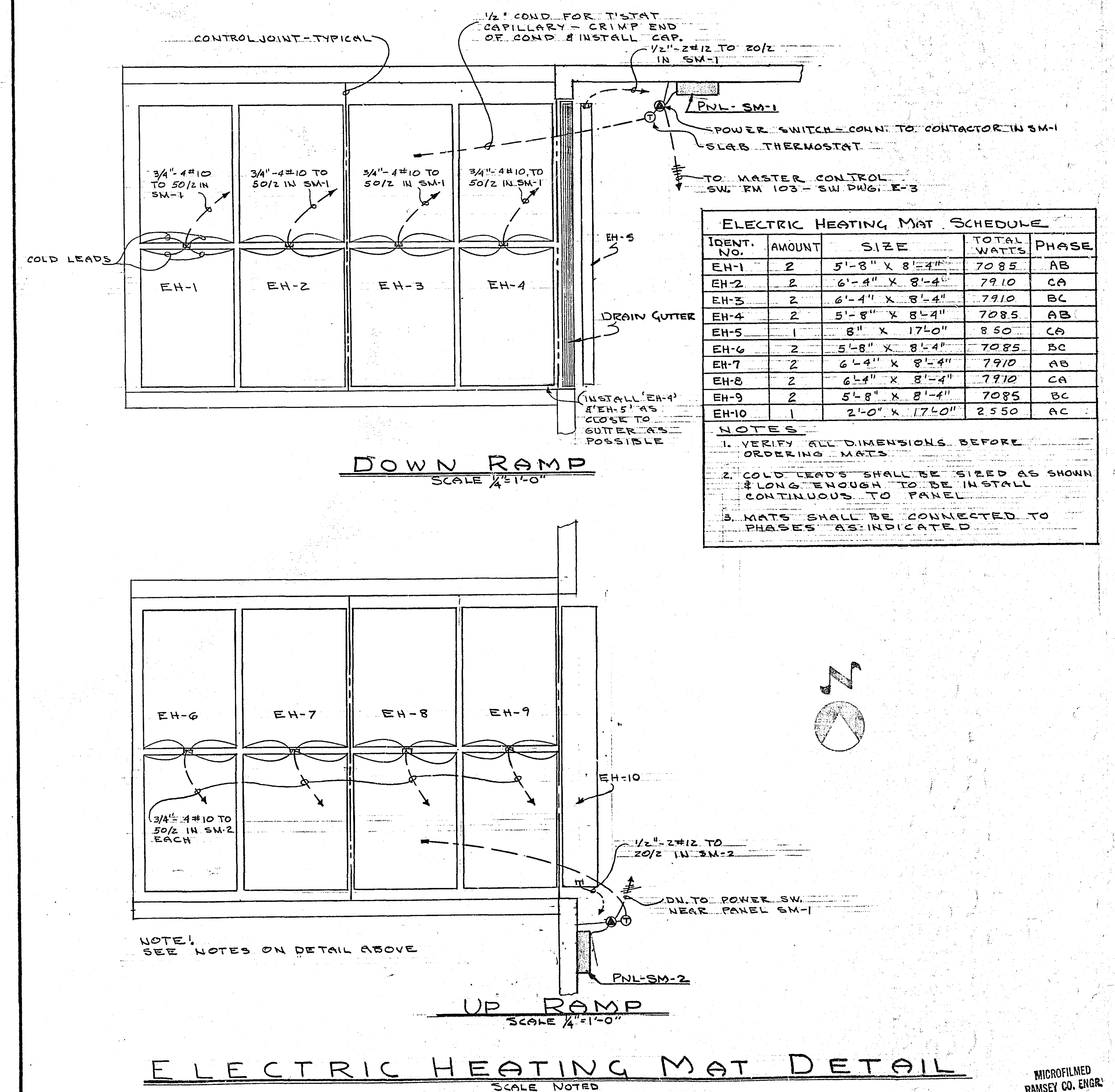
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	3/4"	--	--	18"					
	--	--	--	--					
	--	--	--	--					

CONNECTION									
------------	--	--	--	--	--	--	--	--	--



SITE PLAN
SCALE: 1"=30'-0"



ELECTRIC HEATING MAT DETAIL
SCALE NOTED

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 OR ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
DATE: 5-25-67
REG. NO.:

PROJECT NUMBER: 68-3(4-6920)
DATE: 5-25-67
DRAWN BY: R.L.

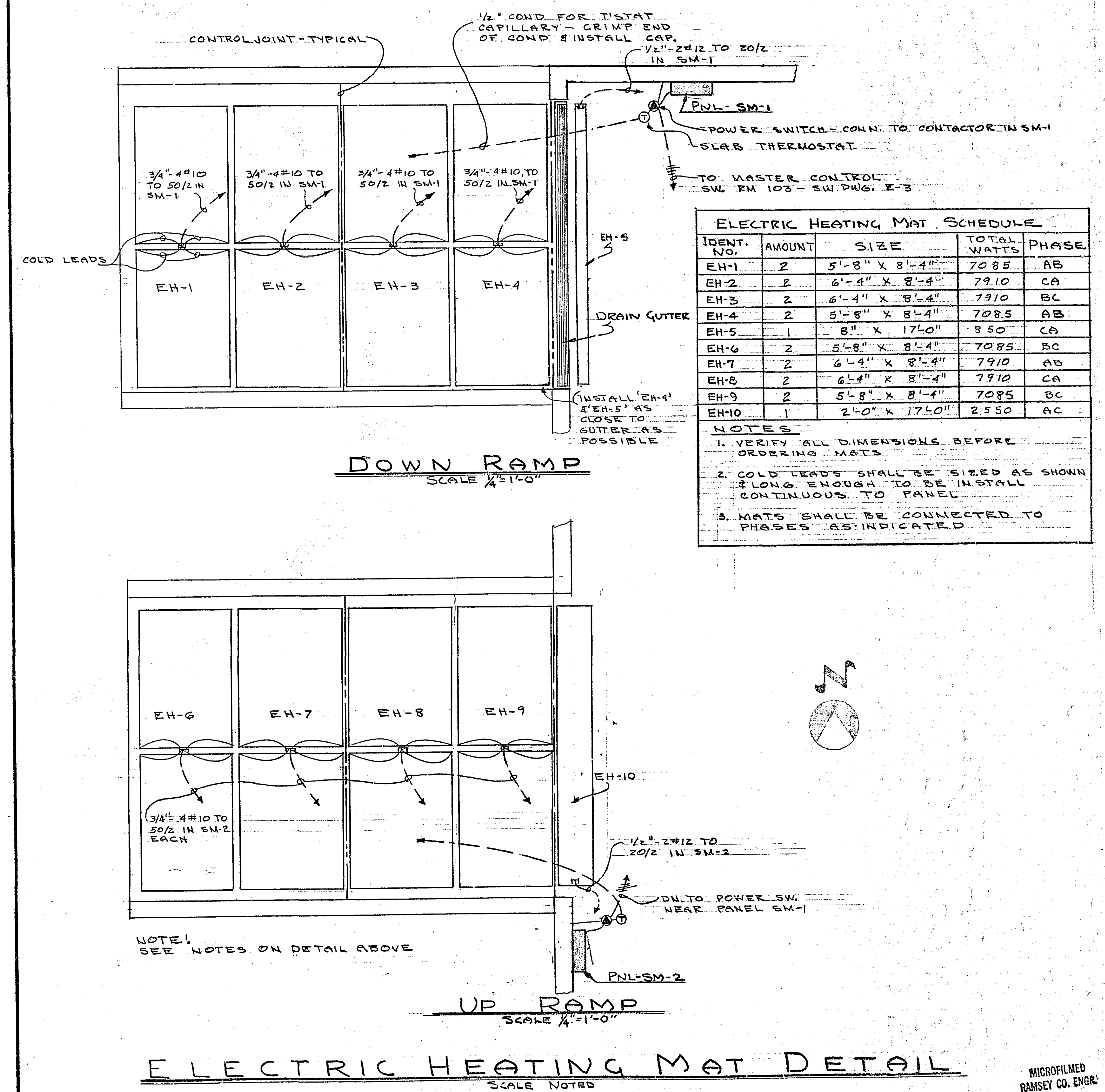
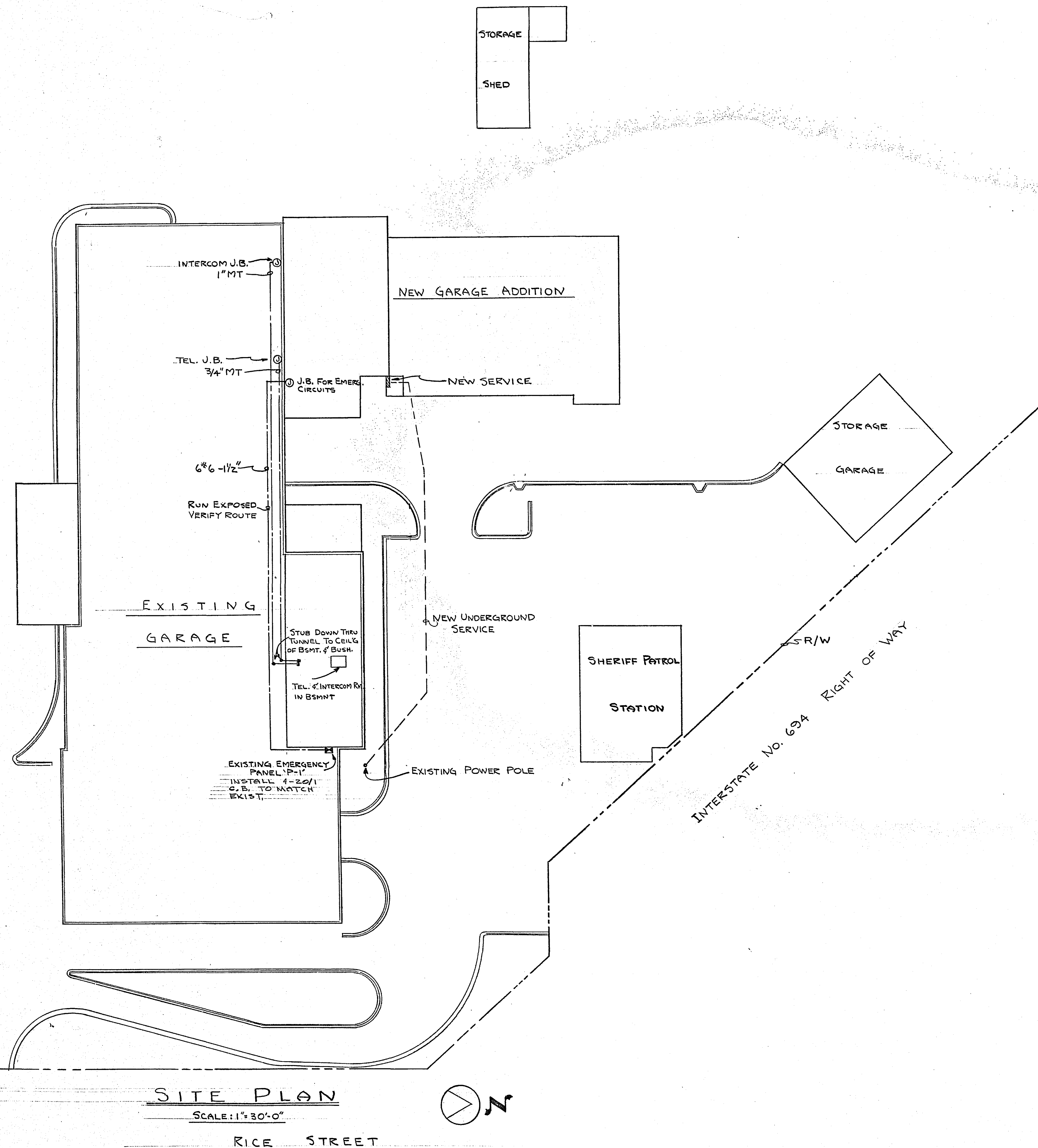
INTERTEC, INC.
CONSULTING ENGINEERS
MINNEAPOLIS

RAMSEY COUNTY HIGHWAY TRUCK PARKING ADDITION & SIGN SHOP
3377 RICE STREET
ST. PAUL, MINN.

SITE PLAN

THE CERNY ASSOCIATES INC
ARCHITECTURE • ENGINEERING • PLANNING
MAIN OFFICES • MINNEAPOLIS AND SAINT PAUL, MINNESOTA

E-1



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PROJECT NUMBER
68-2(4-6320)
DATE 5-22-67
DRAWN W.R.L.

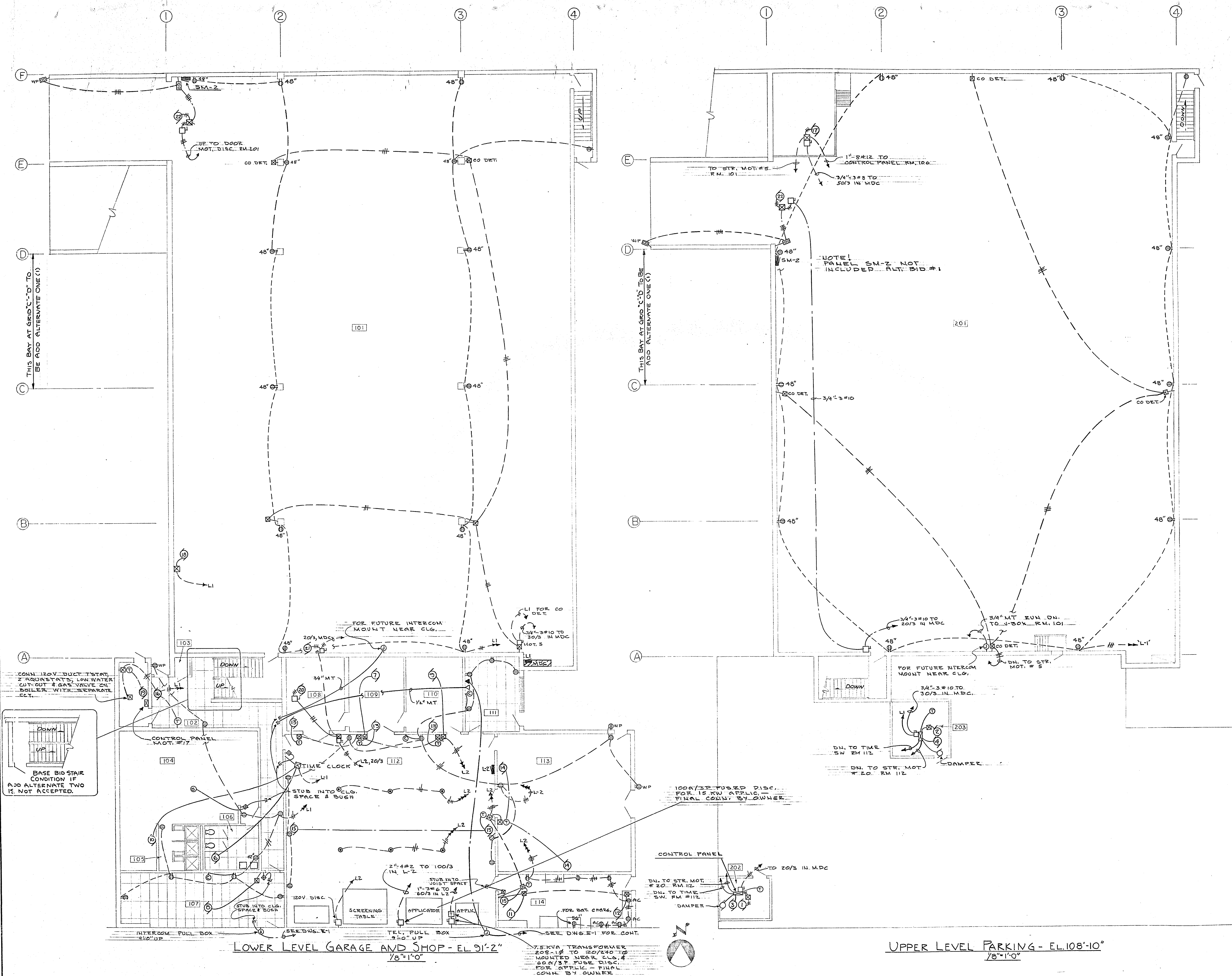
INTERTEC, INC.
CONSULTING ENGINEERS
MINNEAPOLIS RAPID CITY

RAMSEY COUNTY HIGHWAY TRUCK PARKING ADDITION & SIGN SHOP
3377 RICE STREET
ST. PAUL, MINN.

SITE PLAN

THE CERNY ASSOCIATES INC
ARCHITECTURE • ENGINEERING • PLANNING
MAIN OFFICES • MINNEAPOLIS AND SAINT PAUL, MINNESOTA

E-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 LICENSED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PROJECT NUMBER
68-3(4)-6320
DATE 2-23-67
DRAWN N.D.M.
CHECKED W.G.V.

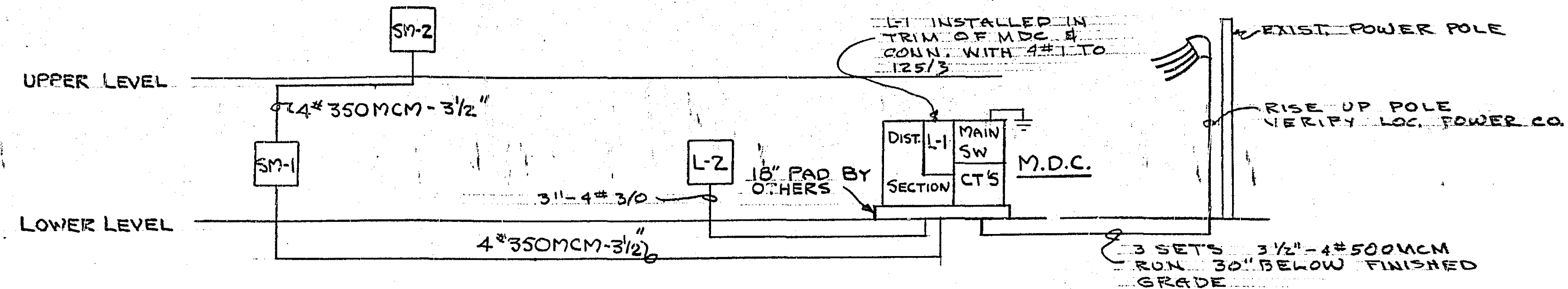
INTERTEC, INC.
CONSULTING ENGINEERS
MINNEAPOLIS
RAPID CITY
SIOUX FALLS

RAMSEY COUNTY HIGHWAY TRUCK PARKING ADDITION & SIGN SHOP
3377 RICE STREET
ST. PAUL, MINN.

POWER AND SIGNAL
UPPER LEVEL PARKING - EL. 108'-10"
7/8"x1'-0"

THE CERNY ASSOCIATES INC.
ARCHITECTURE & ENGINEERING & PLANNING
MAIN OFFICES • MINNEAPOLIS AND SAINT PAUL, MINNESOTA

E-3



DISTRIBUTION RISER DIAGRAM-NO SCALE

Panel Ident	Mounting	Bus Rating	Amps	Volt	#	W	Branches	Size	Remarks
L-1	In MDC	225	208	3	4	32	20/1		
L-2	Surface	225	208	3	4	25	20/1		
SM-1	Surface	400	208	3	3	4	50/2		Provide 1-2P Space -- Provide 300A/3P (120V Controlled) Contractor Controlling entire panel
SM-2	SURFACE	400	208	3	3	4	50/2		Provide 1-2P Space -- Provide 300A/3P (120V Controlled) Contractor Controlling entire panel

MAIN SWITCH: 600A/3 POLE WITH 300A FUSES	
CT & BUSING 600A-208V-3P-4W	
DISTRIBUTION SECTION	
FOR	SIZE
L-1	125/3
L-2	200/3
SM-1 & SM-2	300/3
MOT. #1 & #3	20/3
MOT. #2	30/3
2-MOT #22	20/3
MOT. #17	50/3
MOT. #5	30/3
MOT. #21	20/3
SPACE	2-20/3
SPACE	2-200/3

STARTER & MOTOR NO.	DRIVEN EQUIPMENT	MOTOR H.P.	VOLTAGE & PHASE	MOTOR LOCATION	CONTROL	CONTROL LOCATION	STARTER SIZE	STARTER LOCATION	DISC. SIZE & TYPE
1	FURN. BLOW (F-1)	1 1/2	208/3	PENT	(1)	202	0	202	30A-3P-NF
2	FURN. BLOW (F-2)	3	208/3	PENT	Inter.W. (1)	203	0	203	30A-4P-F
3	FURN. BURN (F-1)	1/6	120/1	PENT	(1)	202	---	---	MMS
4	FURN. BURN (F-2)	1/6	120/1	PENT	Inter.W. (1)	203	---	---	MMS
5	EXH. FAN (EF-1)	5	208/3	ROOF ABOVE	(4)	101	1 WITH 120V COIL	ABOVE 201	30A-4P-F
6	EXH. FAN (EF-2)	1/6	120/1	ROOF 106	TIME SW (2)	112	---	---	MMS (3)
7	EXH. FAN (EF-3)	1/6	120/1	ROOF 109	MMS/P	112	---	---	WP SW ON HOUSING
8	EXH. FAN (EF-4)	1/6	120/1	ROOF 107	MMS/P	107	---	---	TOGGLE SW. (3)
9	EXH. FAN (EF-5)	1/12	120/1	ROOF 110	MMS/P	112	---	---	WP SW ON HOUSING
10	EXH. FAN (EF-6)	1/6	120/1	ROOF 105	TIME SW (2)	112	---	---	MMS (3)
11	EXH. FAN (EF-7)	1/6	120/1	ROOF 114	MMS/P	114	---	---	TOGGLE SW. (3)
12	EXH. FAN (EF-8)	1/6	120/1	ROOF 114	MMS/P	114	---	---	TOGGLE SW. (3)
13	UNIT HTR. (UH-1)	1/45	120/1	108, 109	THERMOSTAT AQUASTAT	112	---	---	MMS ADJACENT TO THERMOSTAT
14	UNIT HTR. (UH-2)	1/8	120/1	111	THERMOSTAT AQUASTAT	113	---	---	MMS ADJACENT TO THERMOSTAT
15	UNIT HTR. (UH-3)	1/20	120/1	112, 114	THERMOSTAT AQUASTAT	112	---	---	MMS ADJACENT TO THERMOSTAT
16	CAB. U.H. (UH-4)	1.3A	120/1	102	THERMOSTAT AQUASTAT	102	---	---	MMS (3)
17	DIRECT FIR. FURN. BY INFER. DE-1	10	208/3	PLATFORM 201	(5)	---	2	PLATFORM 201	60A-3P-F
18	PUMP PUMP	1/2	120/1	101	FLOAT SW.	101-PIT	NONE	---	MMS
19	CIRCULATING PUMP (CP-1)	1/3	120/1	100	REMOTE BULB THERMOSTAT	100	---	---	MMS
20	SPRAY BOOTH EXH. FAN	1 1/2	208/3	108	MS WITH PB/P	112	0	108	30A-3P-NF
21	AIR COMPRESSOR	1	208/3	101	(6)	---	---	---	30A-3P-F
22	GARAGE DOORS (2)	1	208/3	101, 102	(7)	---	---	---	30A-3P-NF

NUMBERS IN PARENTHESES IN PROCEEDING SCHEDULE AS FOLLOWS:

- (1) CONNECT PREWIRED CONTROL PANEL, DUCT STAT. AND MOTORIZED DAMPER AND TIME SW. RM 112. WIRE IN ACCORDANCE TO MANUFACTURER'S WIRING DIAGRAM.
- (2) TIME CLOCK FURNISHED BY MECHANICAL CONTRACTOR BUT INSTALLED BY ELECTRICAL.
- (3) INSTALL DISCONNECT INSIDE UNIT HOUSING
- (4) MS WITH PB/P IN COVER. INTERLOCK CO₂ DETECTORS WITH STARTER
- (5) CONNECT UNIT AND REMOTE CONTROL PANEL. INTERLOCK STARTER WITH STARTER MOTOR #5
- (6) UNIT PROVIDED AND CONNECTED BY OWNER. PROVIDE DISC, HOME RUN AND 3/4" MT COND. FROM STARTER MOTOR #20 TO LOCATION ALONGSIDE DISC. FOR INTERLOCK
- (7) STARTER AND PB FURNISHED BY OTHERS. CONNECT AS REQUIRED. CONNECT LIMIT SWITCH AND SAFE EDGE AS REQUIRED.

ALL THERMOSTATS AND AQUASTATS FURNISHED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL INSTALL THERMOSTAT AND CONNECT THERMOSTATS AND AQUASTATS. ELECTRICAL CONTRACTOR TO INSTALL ALL SLEEVES FOR REMOTE BULB THERMOSTATS.

MMS = MANUAL MOTOR SWITCH WITH OVERLOAD PROTECTION

INTER W. = INTERLOCKED WITH MOTOR NO.

N F = NON-FUSED

F = FUSED

MS = MAGNETIC STARTER

PB = STOP-START PUSH BUTTON

/P = WITH PILOT LIGHT

Type	Description	Lamps
A	DAY-BRITE #R-61252-4; 1'x4' Pendant mtd. fluorescent fixture with reflector	2-40W R.S. Fluor.
B	DAY-BRITE #R-61252-4; 1'x4' Pendant mtd. 800ma, fluor. fixture with acrylic prismatic lens	2-100W 800ma R.S. Fluor.
C	DAY-BRITE #45257-4; 1'x4' Surface mtd. fluorescent fixt. with reflector and acrylic prismatic enclosure and white body top	2-40W R.S. Fluor.
D	Fans & Soudour Keyless, porcelain socket	1-150W
E	FRESCOLITE #75221; 'Thinline Series' exit light with single face, universal mounting, (suitable for either clg. stop or back mtd., as indicated on plans), universal arrows (suitable for any arrow configuration shown on plans), down light, auxiliary #5 extended lamp life	with lamps
F	DAY-BRITE #6166-4; 8' foot, 2 lamp, 1 lamp tandem with acrylic prismatic enclosure	2-40W R.S. Fluor.
F-1	Same as type F except #6166-4; 1-4 foot lamp	1-40W F.S. Fluor.
G	DAY-BRITE #48140-8; 8 foot pendant mtd. 2 lamp fluor. bare lamp strip light	2-40W R.S. Fluor.
G-1	Same as type G except #48140-4; one 4 foot lamp	1-40W F.S. Fluor.
H	ART STAL #3672A; Outdoor, wall bracketed, incandescent fixture with brushed aluminum finish and prismatic lens	1-150W incand.
H-1	ART METAL #3682A; Outdoor, wall bracketed, mercury vapor fixture with brushed aluminum finish and prismatic lens	1-100W mercury
J	DAY-BRITE #1102; Surface mtd. incandescent with gasket and white glass diffuser	1-60W incand.
K	GRUBBE HINDS #EVA2041; Class 1, Division II, Group D pendant mtd., explosion proof industrial fixture with guard and reflector	1-100W incand.
K-1	GRUBBE HINDS #EVA2301; Class 1, Division II, Group D pendant mtd., explosion proof, industrial fixture with guard and reflector	1-300W incand.

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
○	INCANDESCENT FIXTURE OUTLET	CLG.
○-	FIXTURE OUTLET ON WALL	
—	FLUORESCENT FIXTURE OUTLET	
⊗	EXIT LIGHT OUTLET	CLG.
⊗-	EXIT LIGHT OUTLET ON WALL	7'-6"
●	PILOT LIGHT	
⊗	SHADED OUTLET ON EMERGENCY CIRCUIT	
⊙	JUNCTION BOX	
○	TYPICAL OUTLET DESIGNATION:	
○	WATTAGE OTHER THAN SPECIFIED	
○	FIXTURE TYPE	
○	CIRCUIT NUMBER	
○	SWITCHING	
⊕	DUPLEX RECEPTACLE	1'-0"
⊕	FLOOR RECEPTACLE	
⊕	SINGLE POLE SWITCH	4'-0"
⊕	THREE WAY SWITCH	4'-0"
⊕	FOUR-WAY SWITCH	4'-0"
⊕	SWITCH WITH PILOT LIGHT	4'-0"
⊕	SWITCH WITH RECEPTACLE COMBINATION	4'-0"
—	CONDUIT CONCEALED IN CEILING OR WALLS	
—	CONDUIT CONCEALED IN FLOOR OR BELOW	
—	EXPOSED CONDUIT	
○	CONDUIT UP (OPEN CIRCLE)	
—	CONDUIT DOWN (SOLID CIRCLE)	
—	HASH MARKS INDICATE AMOUNT OF #12 CONDUCTORS. IF NO MARKS, 1/2"-2 #12 UNLESS INDICATED OTHERWISE.	
3/4"-MT	DENOTES EMPTY CONDUIT RUN (SIZE AS INDICATED)	
AC	ABOVE COUNTER	VERIFY
WP	WEATHER PROOF	24"
□	LIGHTING PANEL	TOP 6'
□	POWER OR DISTRIBUTION PANEL	TOP 6'
①	MOTOR OR EQUIPMENT; #1 - IDENTIFICATION NO.	
⊗	CONTROLLER OR STARTER	
□	DISCONNECT OR SAFETY SWITCH	4'-0"
⊗	COMBINATION STARTER AND DISCONNECT SWITCH	4'-0"
⊗	PUSH BUTTON MOTOR CONTROL STATION	4'-0"
⊕	TRANSFORMER	
⊕	ELECTRIC THERMOSTAT	4'-0"
⊕	CLOCK	7'-0"
⊕	TELEPHONE OUTLET	1'-0"
⊕	INTERCOM OUTLET	1'-0"
⊕	CEILING SPEAKER	
⊕	CALL-BACK SWITCH-SOUND SYSTEM	5'-0"

NOTE: MOUNTING HEIGHTS GIVEN ARE STANDARD; WHERE DIMENSIONAL NUMBER IS SHOWN AT OUTLET SYMBOL, THIS SHALL BE THE MOUNTING HEIGHT. MOUNTING HEIGHTS ARE TO CENTER OF OUTLET UNLESS NOTED.

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A FULLY REGISTERED ARCHITECT OR ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA
DATE 5-23-69
REG. NO. 4301

PROJECT NUMBER
68-3 (1-6320)
DATE 5-23-69
DRAWN NDM
CHECKED W.G.T.

INTERTEC, INC.
CONSULTING ENGINEERS
MINNEAPOLIS
RAPID CITY
SIOUX FALLS

RAMSEY COUNTY HIGHWAY TRUCK PARKING ADDITION & SIGN SHOP
3377 RICE STREET
ST. PAUL, MINN.

SCHEDULES AND DETAILS

THE CERNY ASSOCIATES INC
ARCHITECTURE • ENGINEERING • PLANNING
MAIN OFFICES • MINNEAPOLIS AND SAINT PAUL, MINNESOTA

MICROFILMED
FANSEY CO. ENGR.

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