

NOTE:
THERMOSTATS IN TRANSFORMER VOLTAGE
TO FULL TROUS VOLTAGE EXHAUST FANS -
SET THERMOSTATS FOR 90°F

NOTE:
4'-0" WIDE & 6'-0" HIGH CLEAR
PASSAGE UNDER TUNNEL & ELEC.
TUNNEL. TUNNEL - OVERHUNG TRILING
ACCORDING TO

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

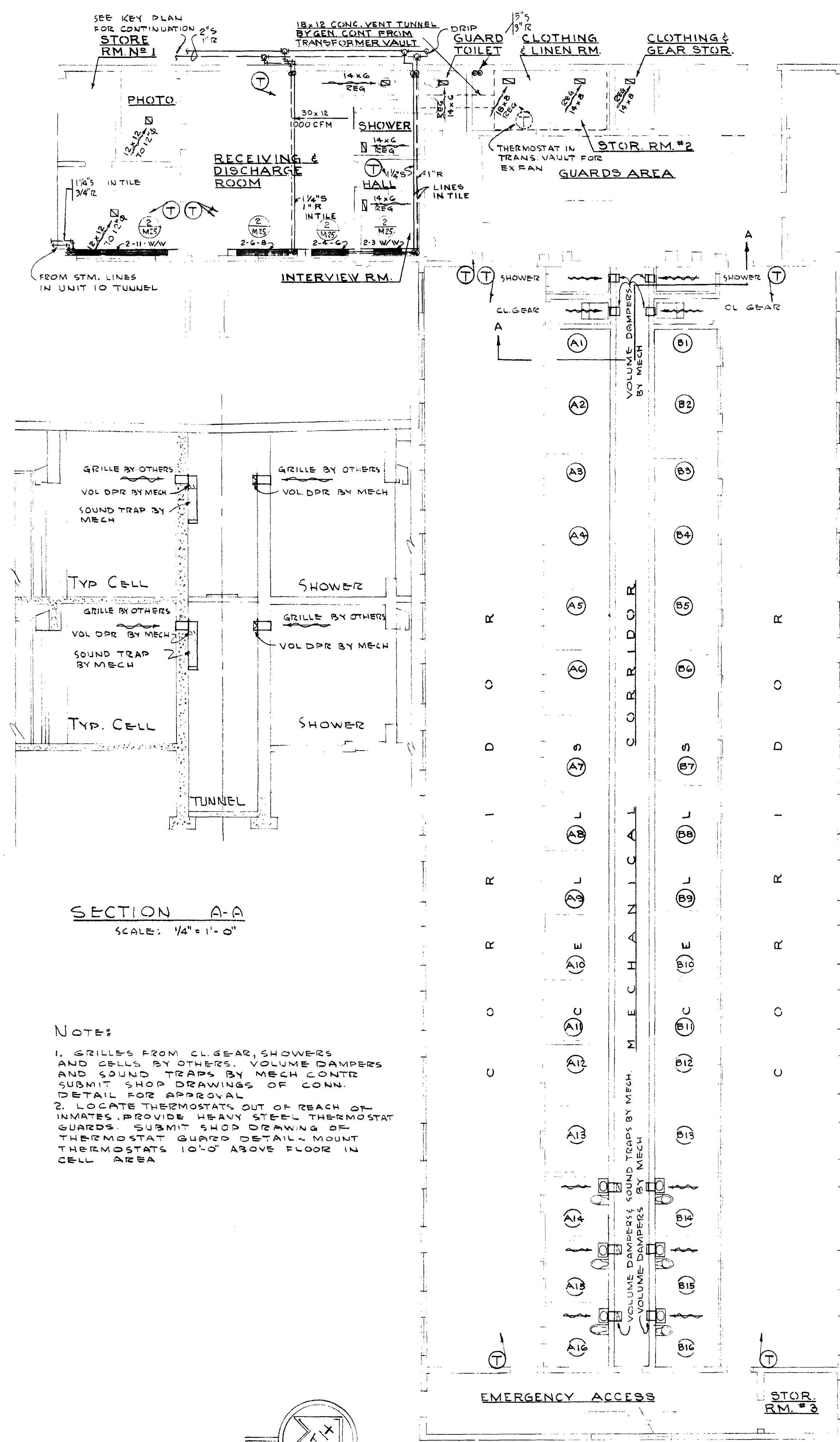


O.S.C.I. 556-07
HEATING & VENT
KEY PLAN
M17 OF 35

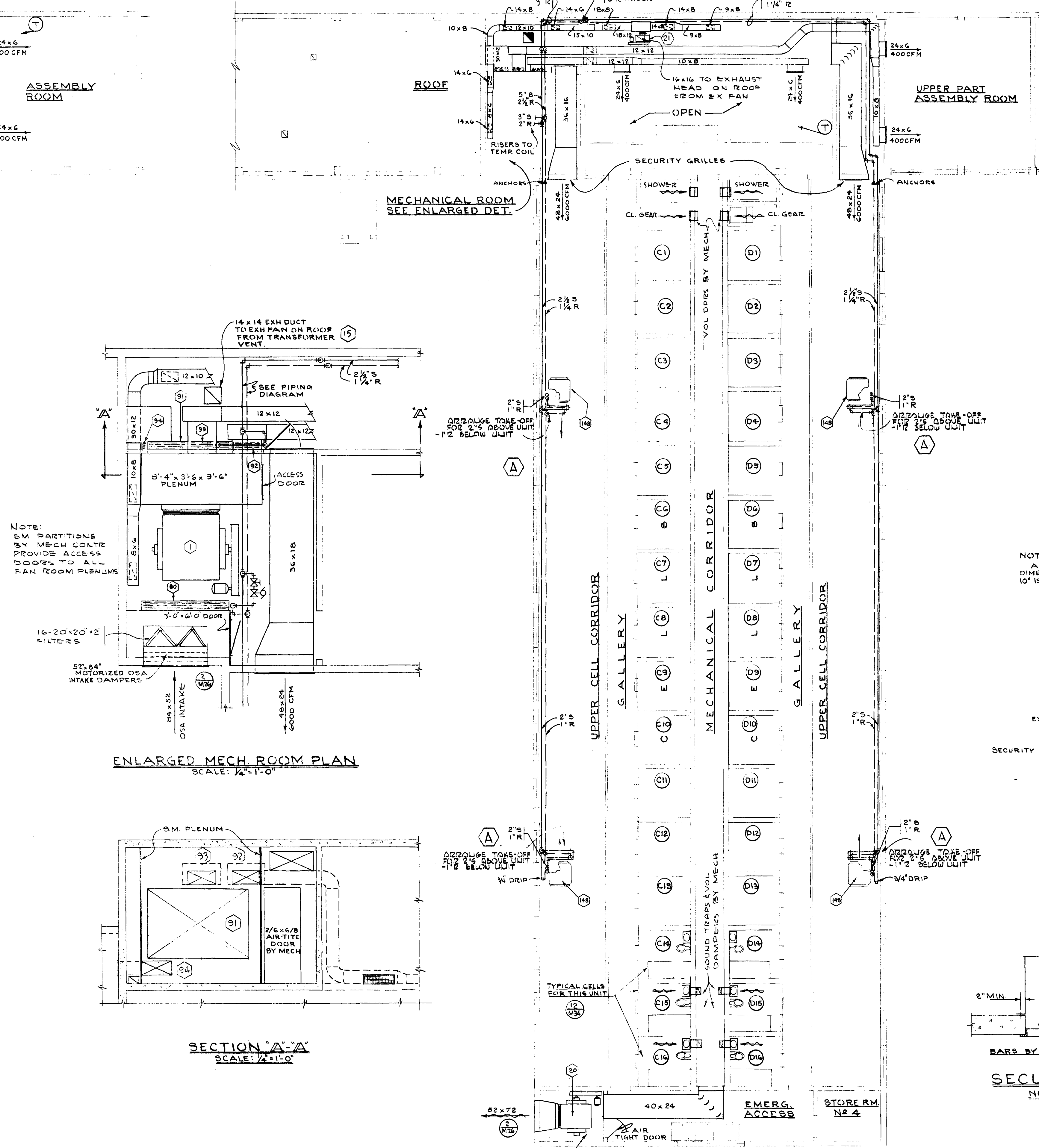
OREGON STATE CORRECTIONAL INSTITUTION • SALEM, OREGON

NO.	DATE	REVISIONS

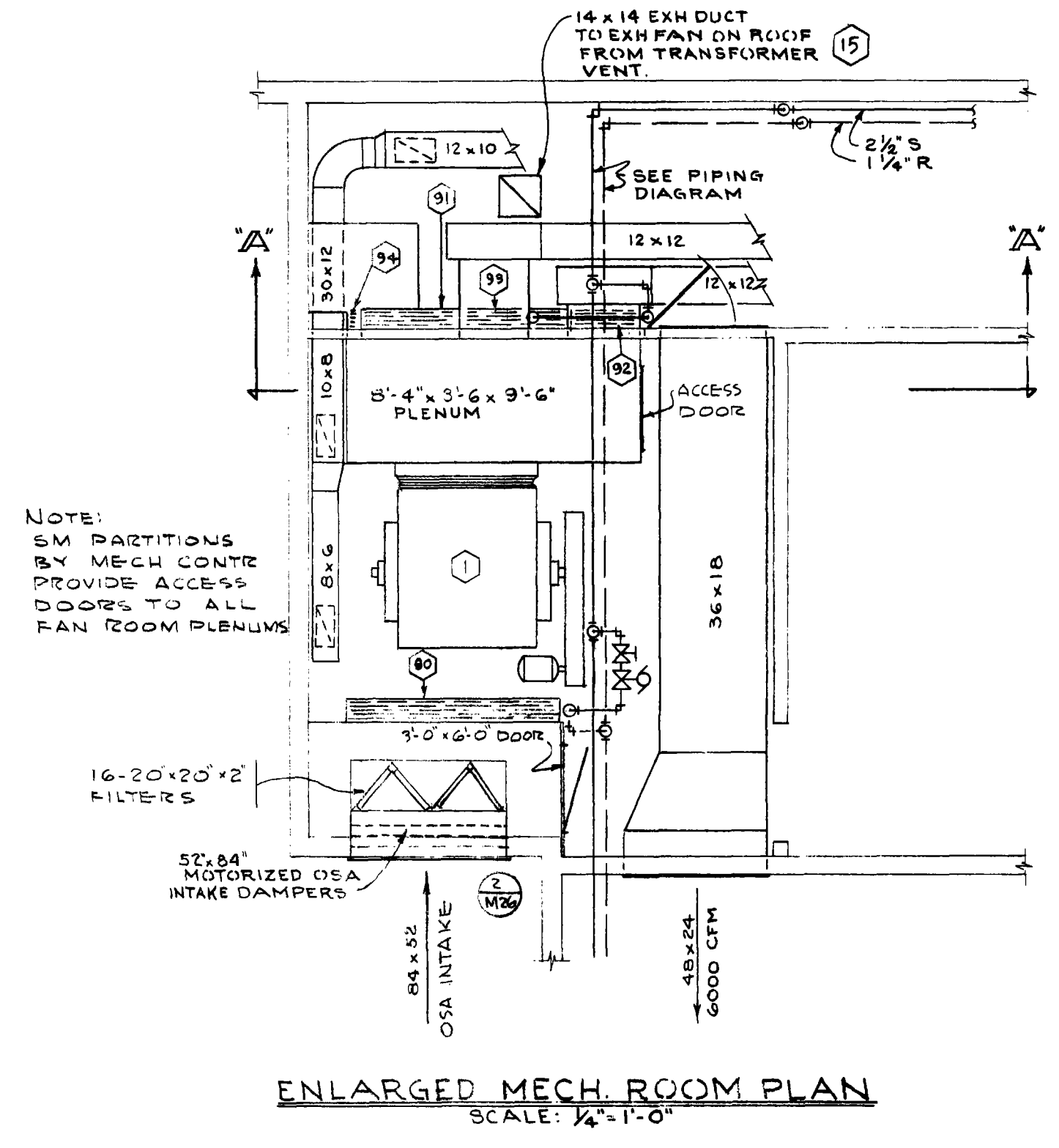
ANNAND, BOONE & LEI
ARCHITECTS
1000 N. W. 10th St., Portland 2, Ore.
ESTABLISHED 1922



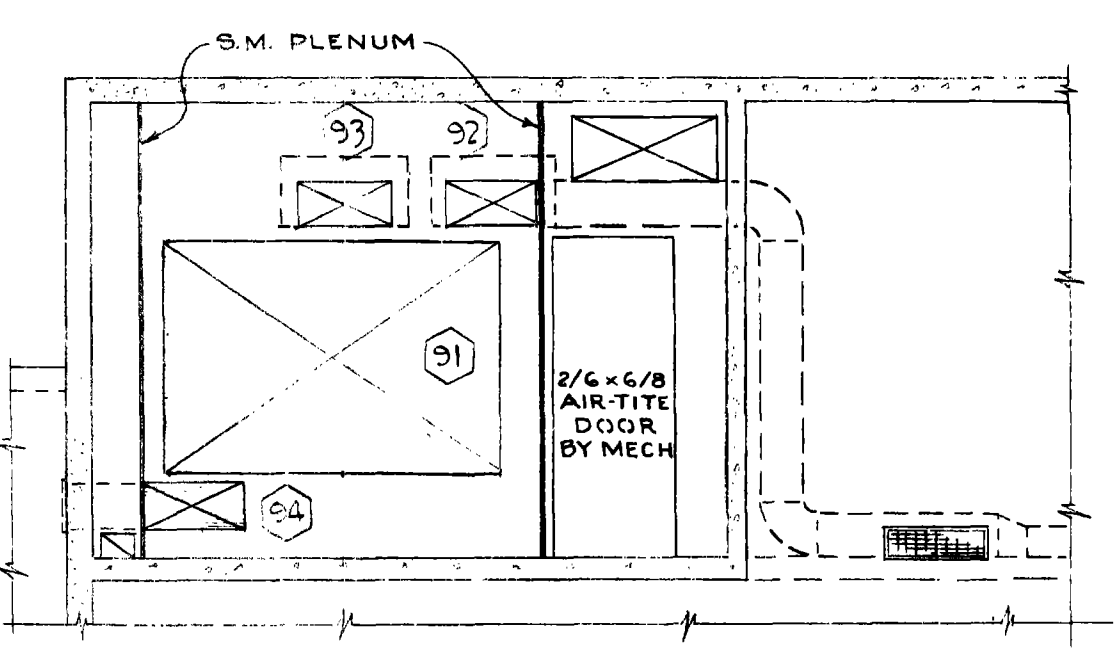
FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"



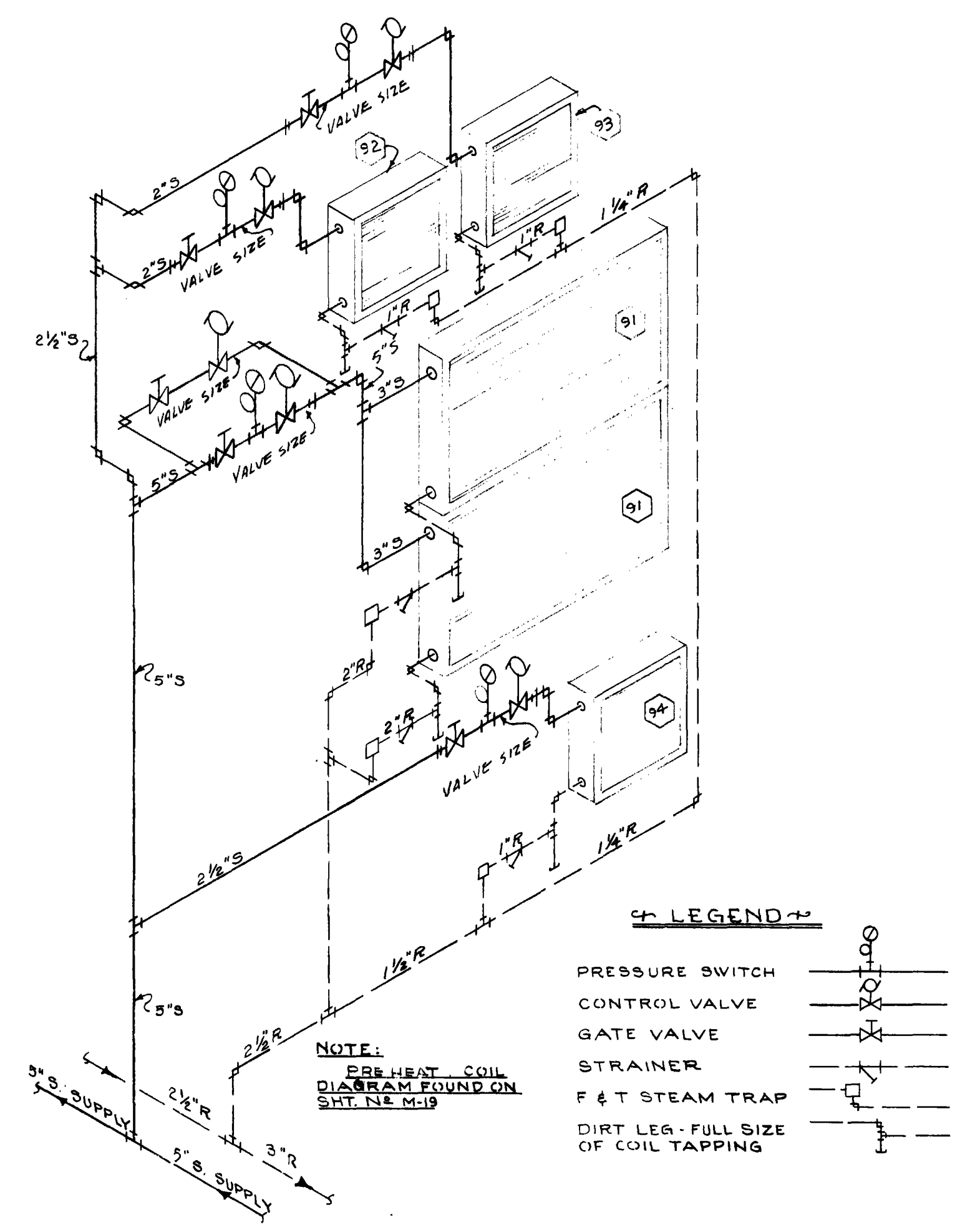
SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"



ENLARGED MECH ROOM PLAN
SCALE: 1/4" = 1'-0"

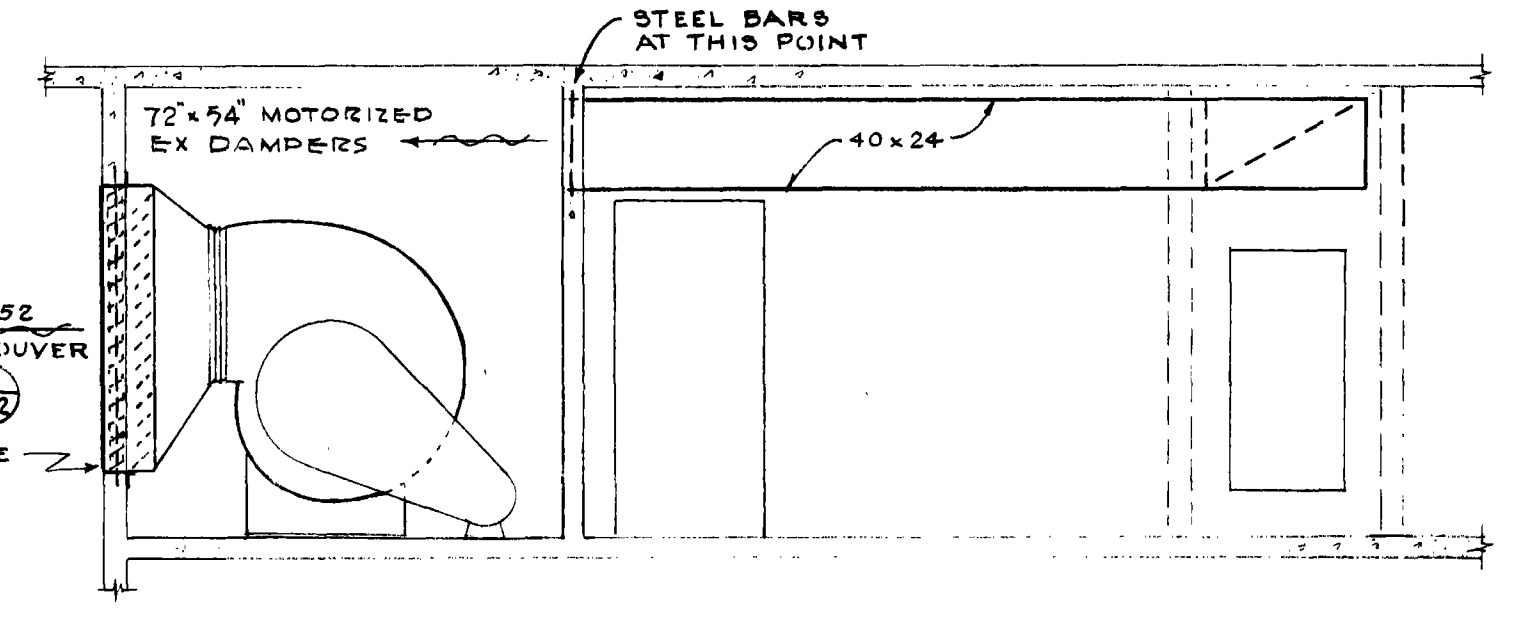


SECTION A-A'
SCALE: 1/4" = 1'-0"

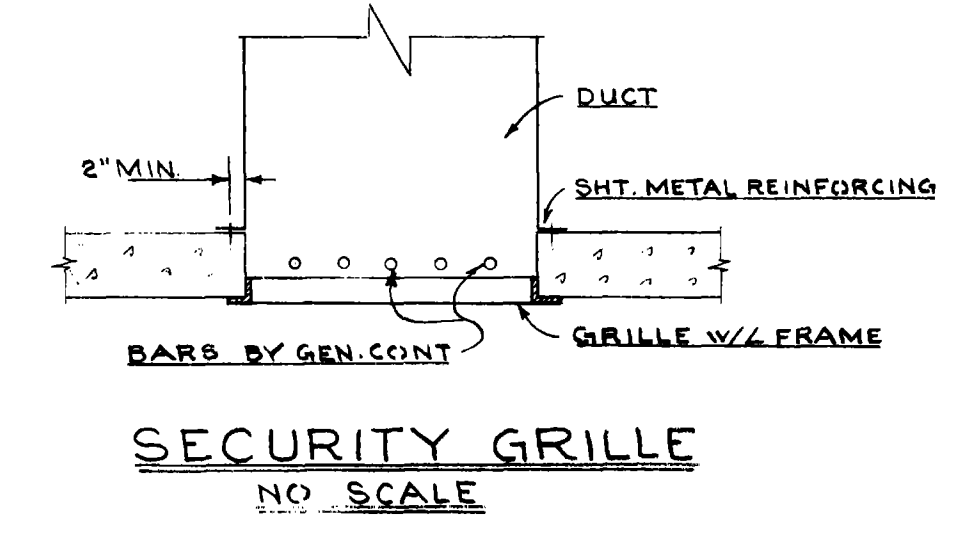


ISOMETRIC PIPING DIAGRAM
HEATING COILS IN MECH. ROOM
NO SCALE

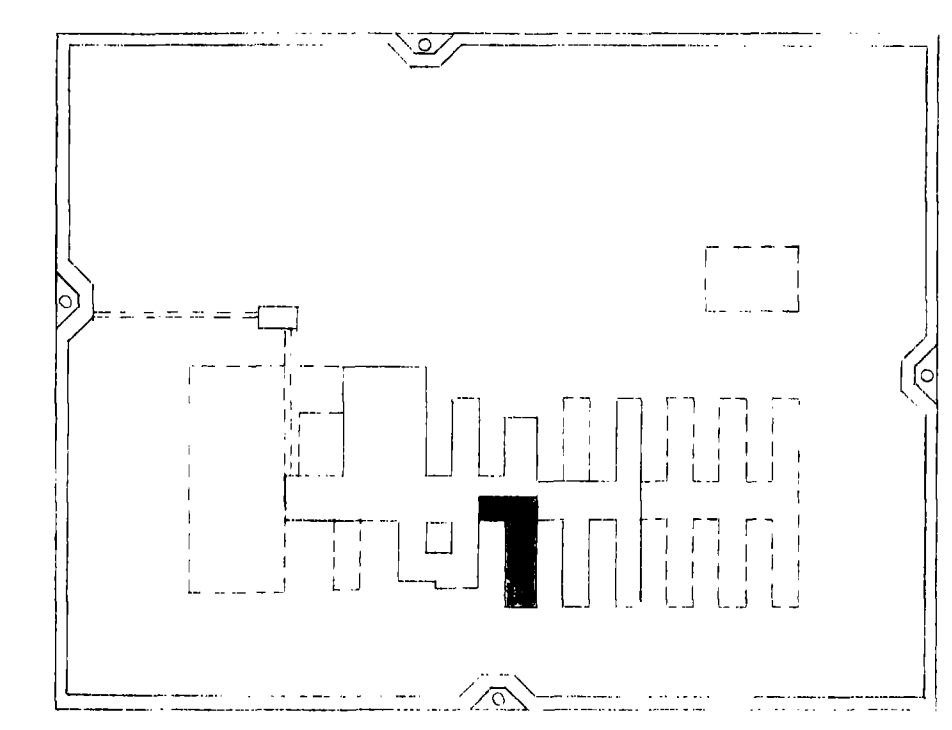
NOTE: ANY GRILLE WITH EITHER DIMENSION GREATER THAN 10" IS TO BE SECURITY TYPE.



SECTIONAL ELEVATION OF FAN RM.
SCALE: 1/4" = 1'-0"

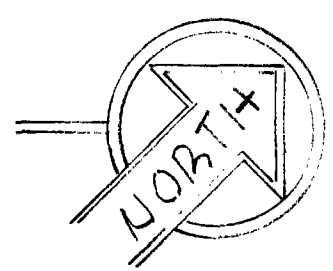
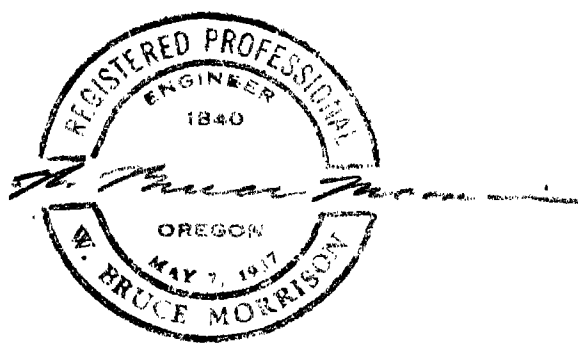


SECURITY GRILLE
NO SCALE



KEY PLAN

NOTES:
1. GRILLES FROM CL. GEAR, SHOWERS AND CELLS BY OTHERS. VOLUME DAMPERS AND SOUND TRAPS BY MECH. CONTR. SUBMIT SHOP DRAWINGS OF CONN. DETAIL FOR APPROVAL.
2. LOCATE THERMOSTATS OUT OF REACH OF INMATES. PROVIDE HEAVY STEEL THERMOSTAT GUARDS. SUBMIT SHOP DRAWING OF THERMOSTAT GUARD DETAIL. MOUNT THERMOSTATS 10'-0" ABOVE FLOOR IN CELL AREA.



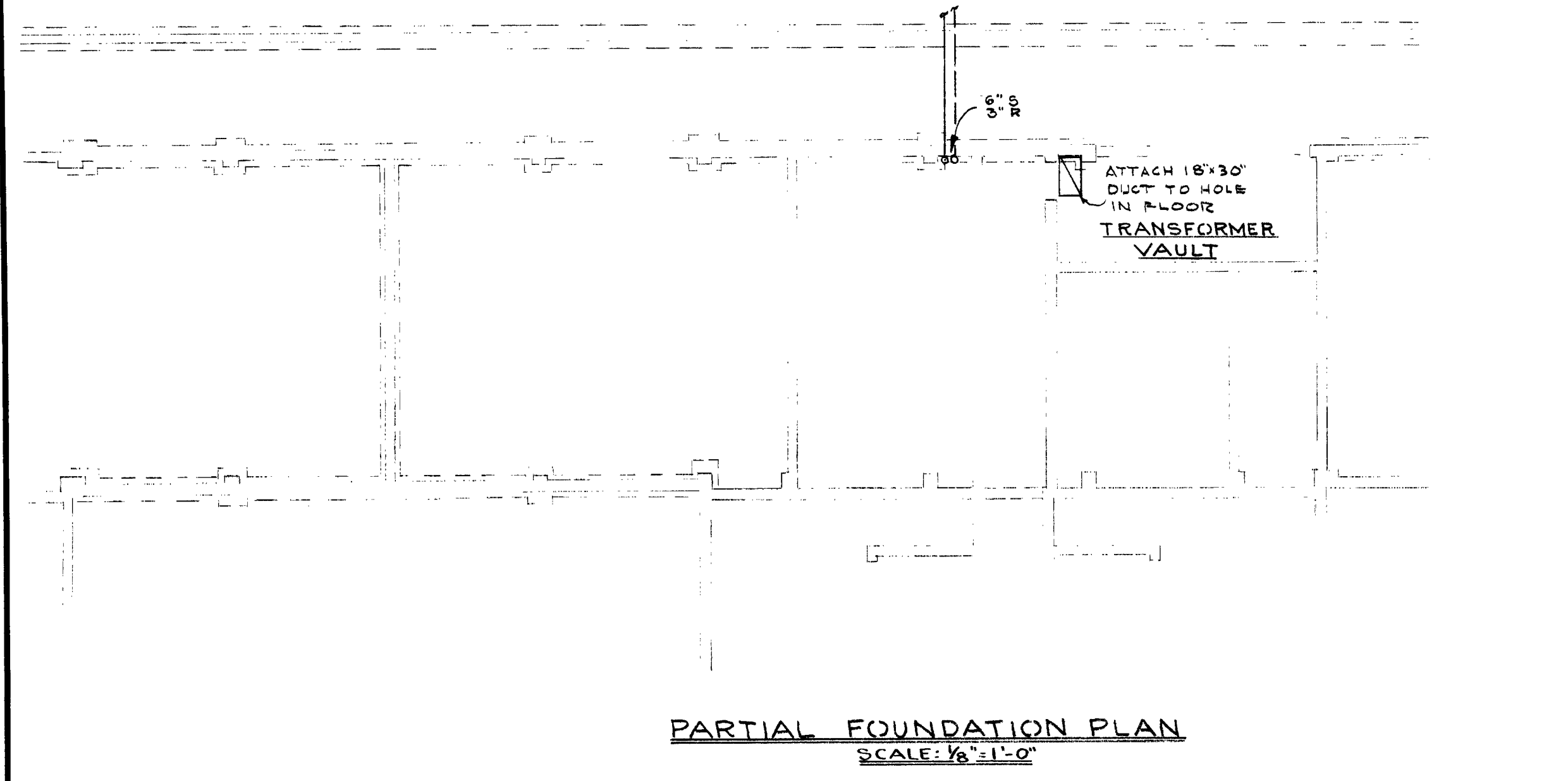
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NO.	DATE	REVISIONS
(A)	7-1-57	REVISED EXPANSION LOOPS.

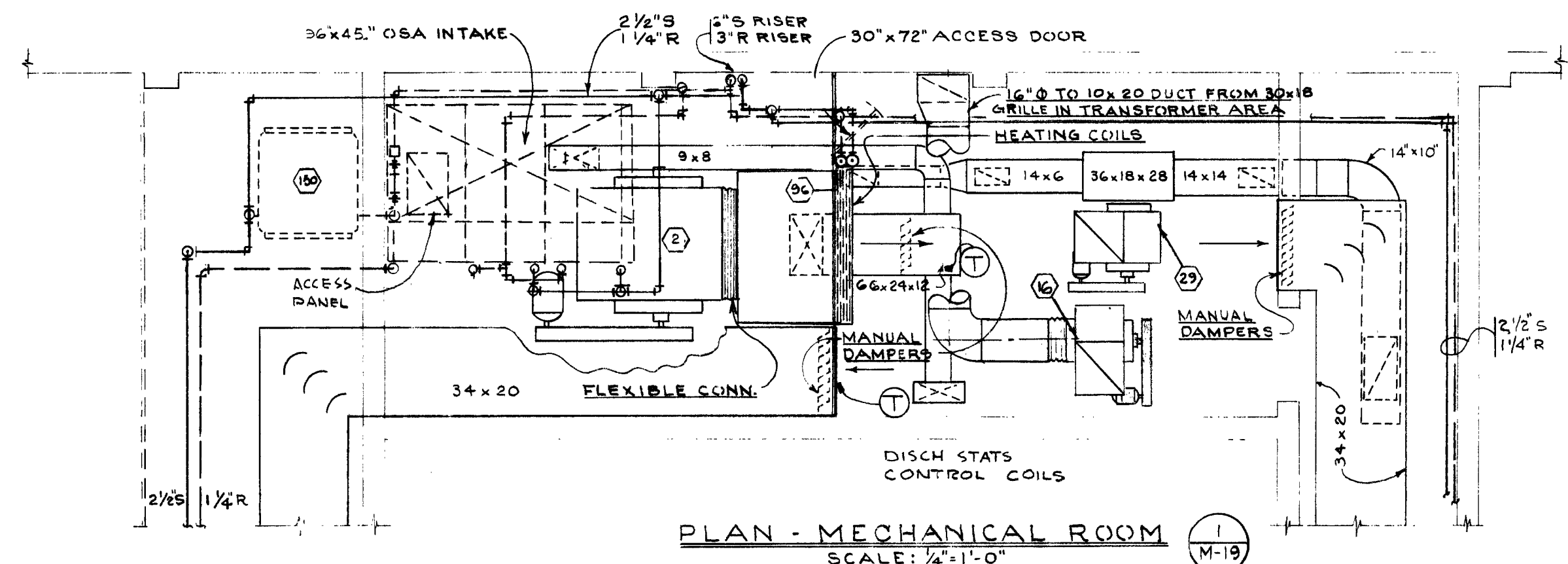
O.S.C.I. 556-07
HEATING & VENT.
UNIT #1
PLANS & DETAILS
MO 35

ANNAND, BOONE & LEI
ARCHITECTS
211 SOUTH 21ST ST.
PORTLAND 2, OREG.

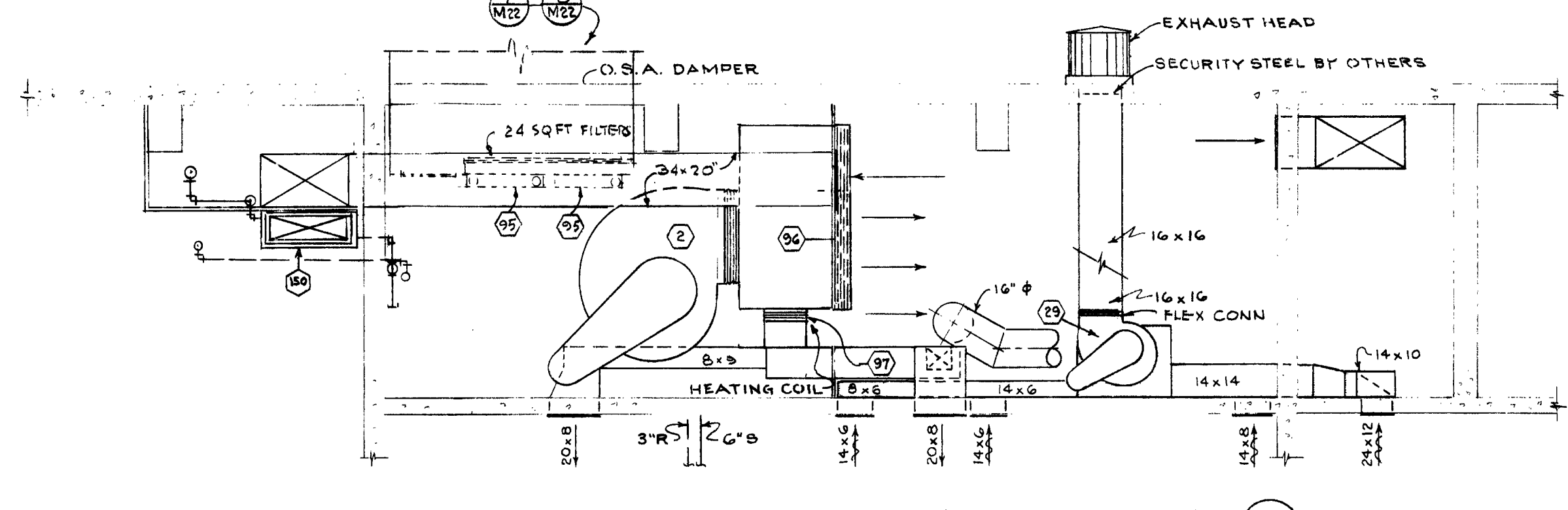
DRAWN: _____ CHECKED: _____ DATE: JULY 22, 1957



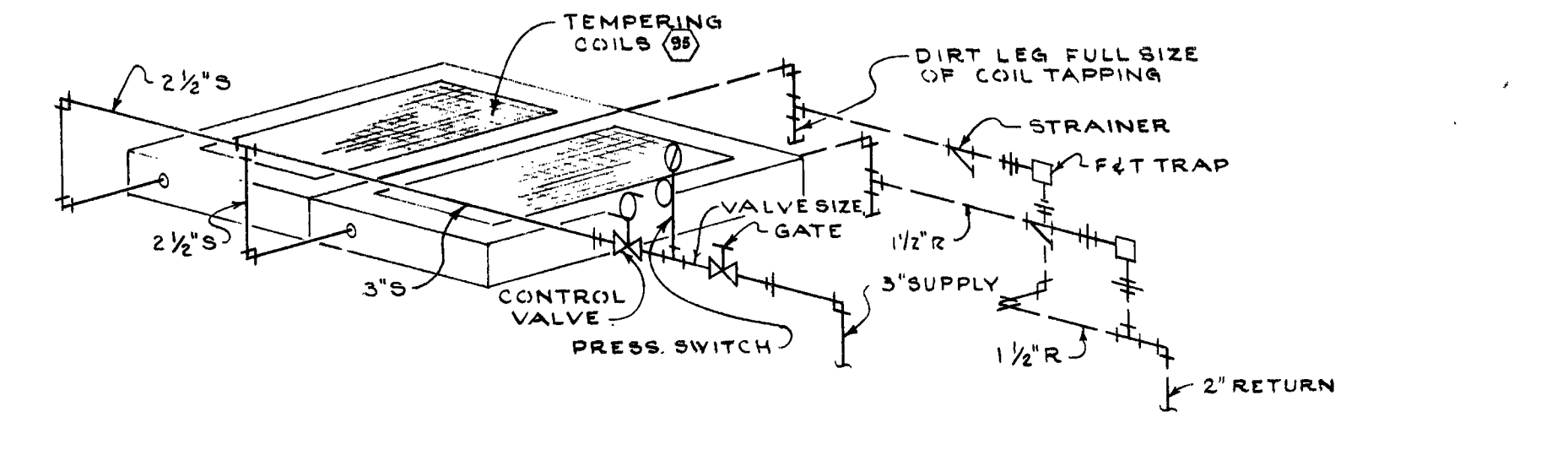
PARTIAL FOUNDATION PLAN
SCALE: 1/8"=1'-0"



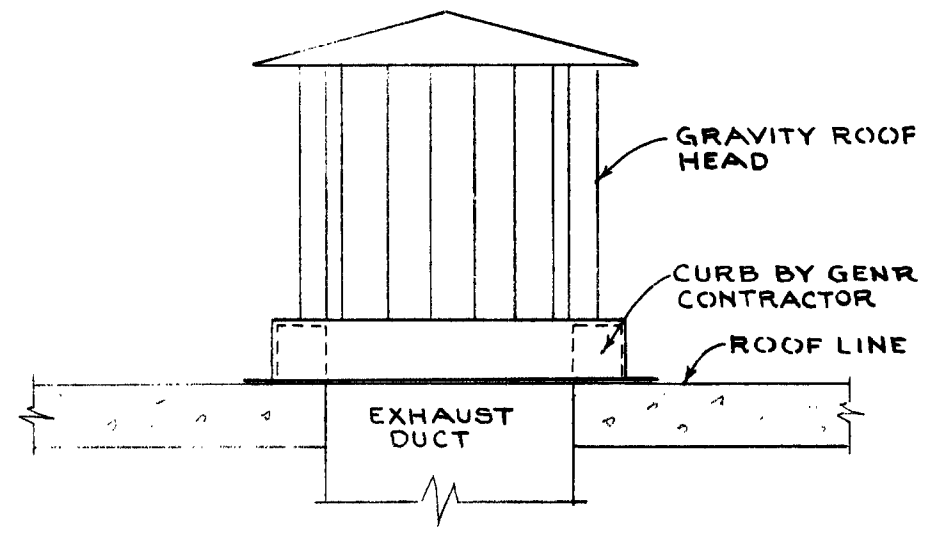
PLAN - MECHANICAL ROOM
SCALE: 1/4"=1'-0"



ELEVATION - MECHANICAL ROOM
SCALE: 1/4"=1'-0"

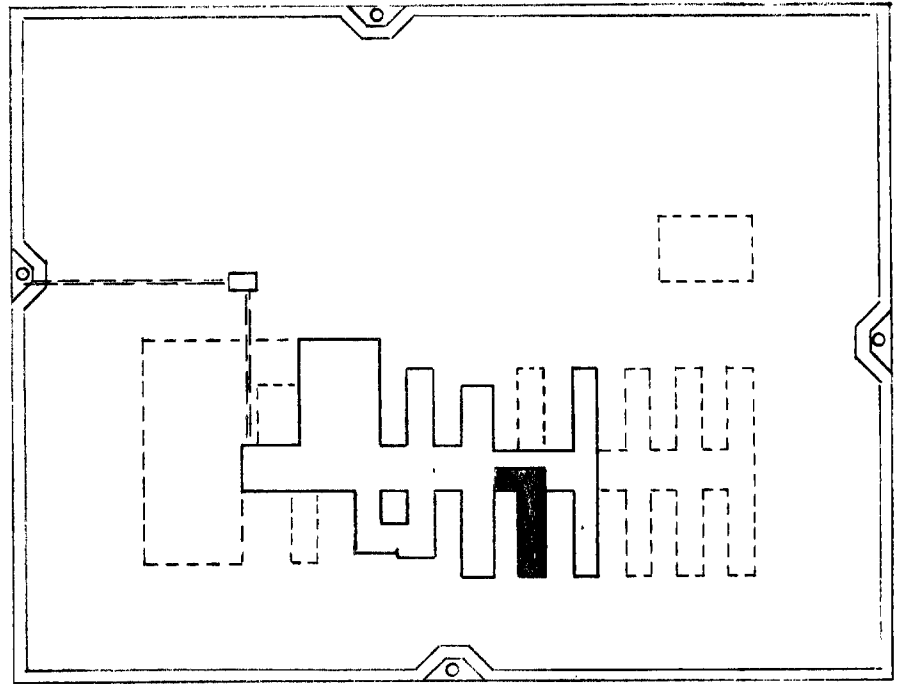


PRE-HEAT MECHANICAL ROOM COIL PIPING DIAGRAM - TEMPERING
NO SCALE

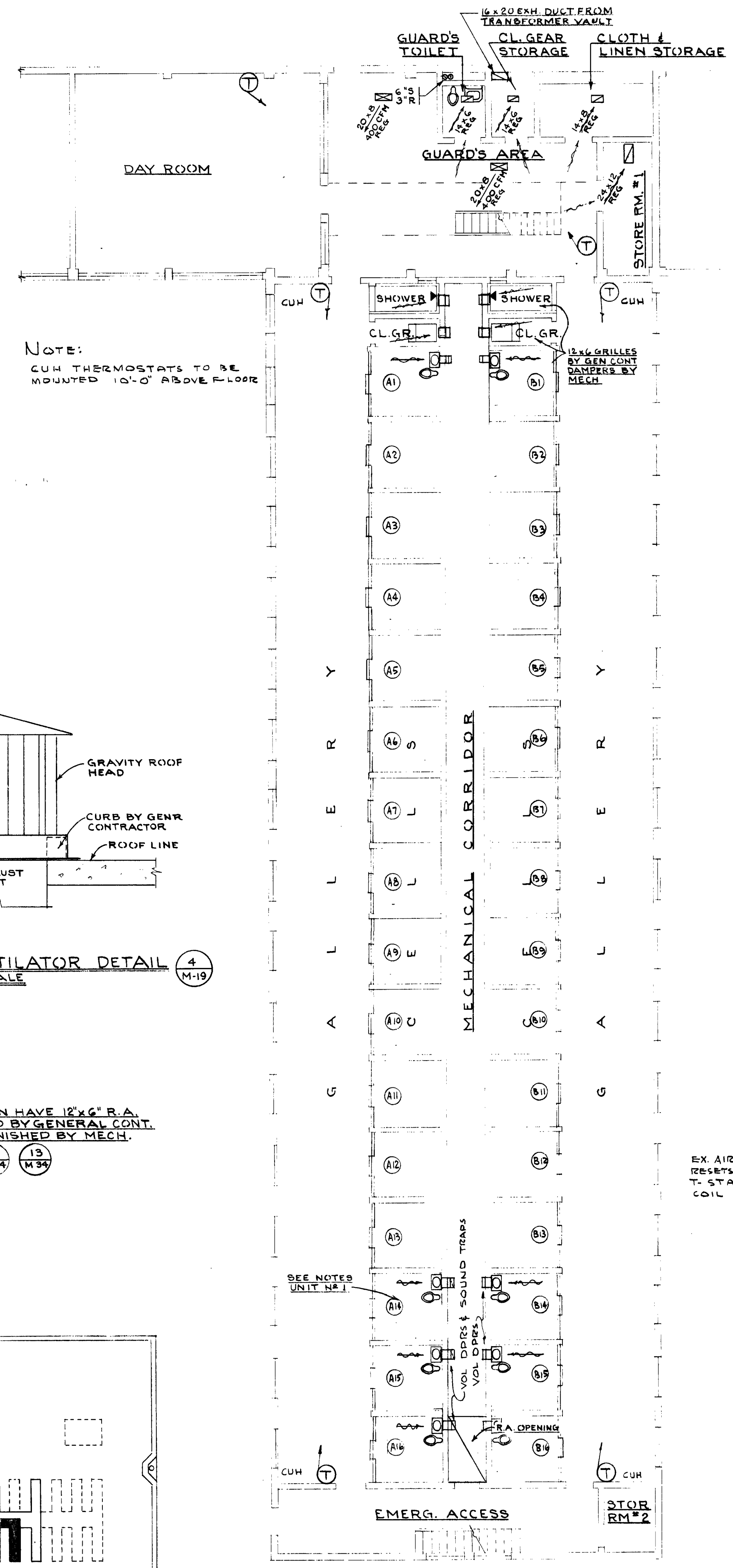


GRAVITY VENTILATOR DETAIL
NO SCALE

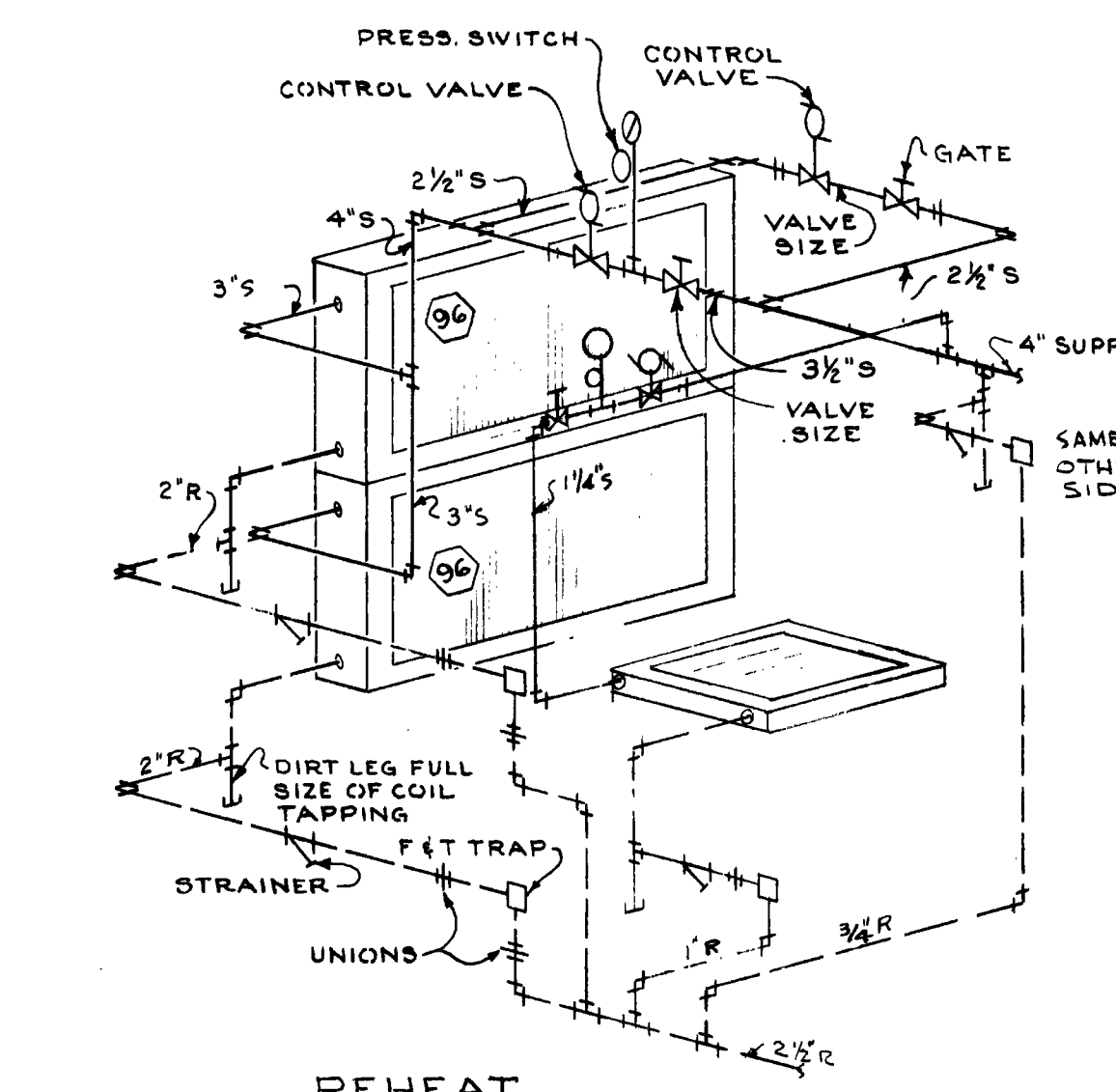
NOTE:
ALL CELLS SHOWN HAVE 12"x6" R.A. GRILLES FURNISHED BY GENERAL CONT. DAMPERS ARE FURNISHED BY MECH. SEE DETAILS FOR TYPICAL



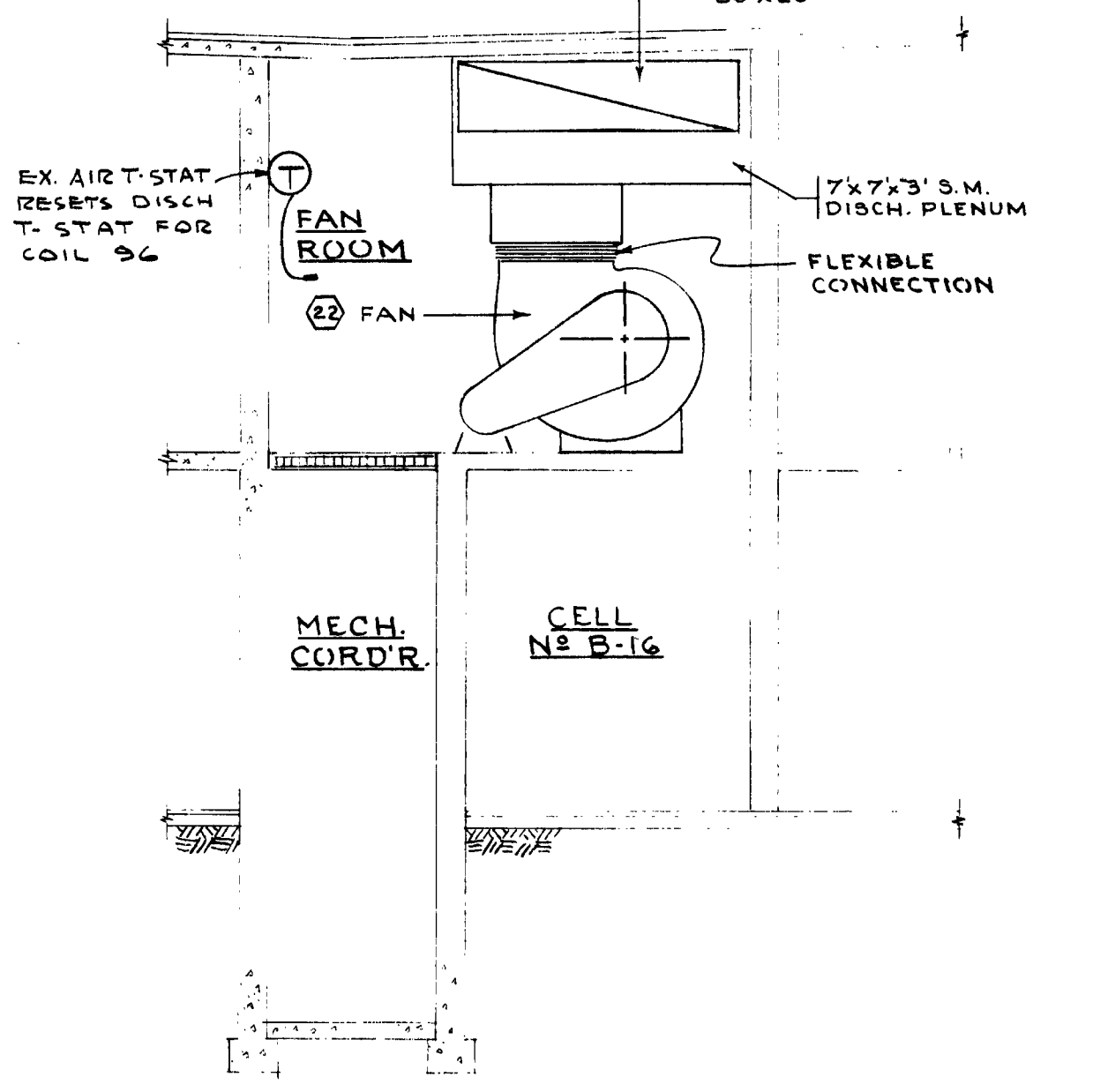
KEY PLAN



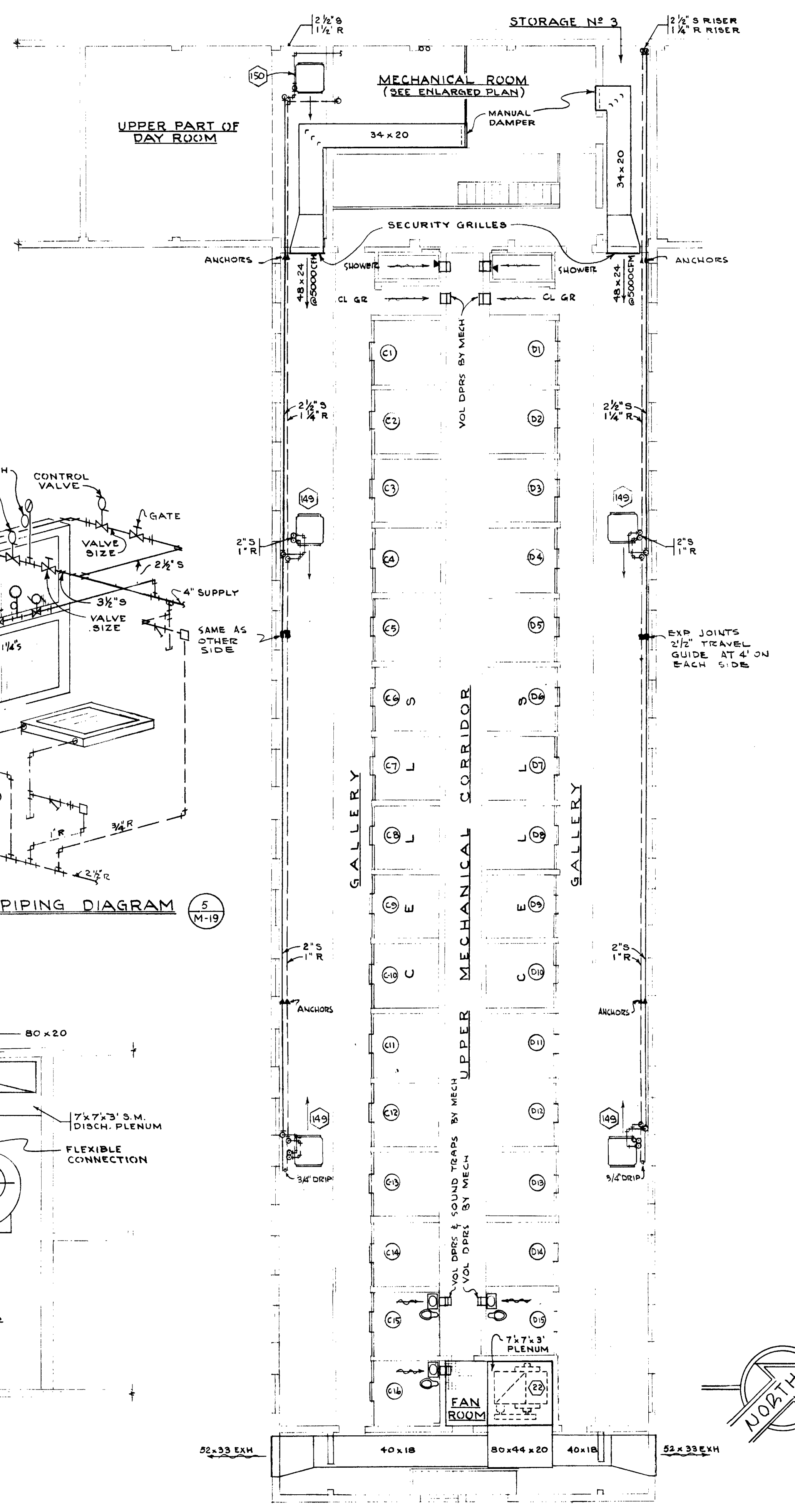
FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"



REHEAT CELL HEATING COIL PIPING DIAGRAM
NO SCALE



SECTION THRU FAN ROOM (EXH)
SCALE: 1/4"=1'-0"



SECOND FLOOR PLAN
SCALE: 1/8"=1'-0"



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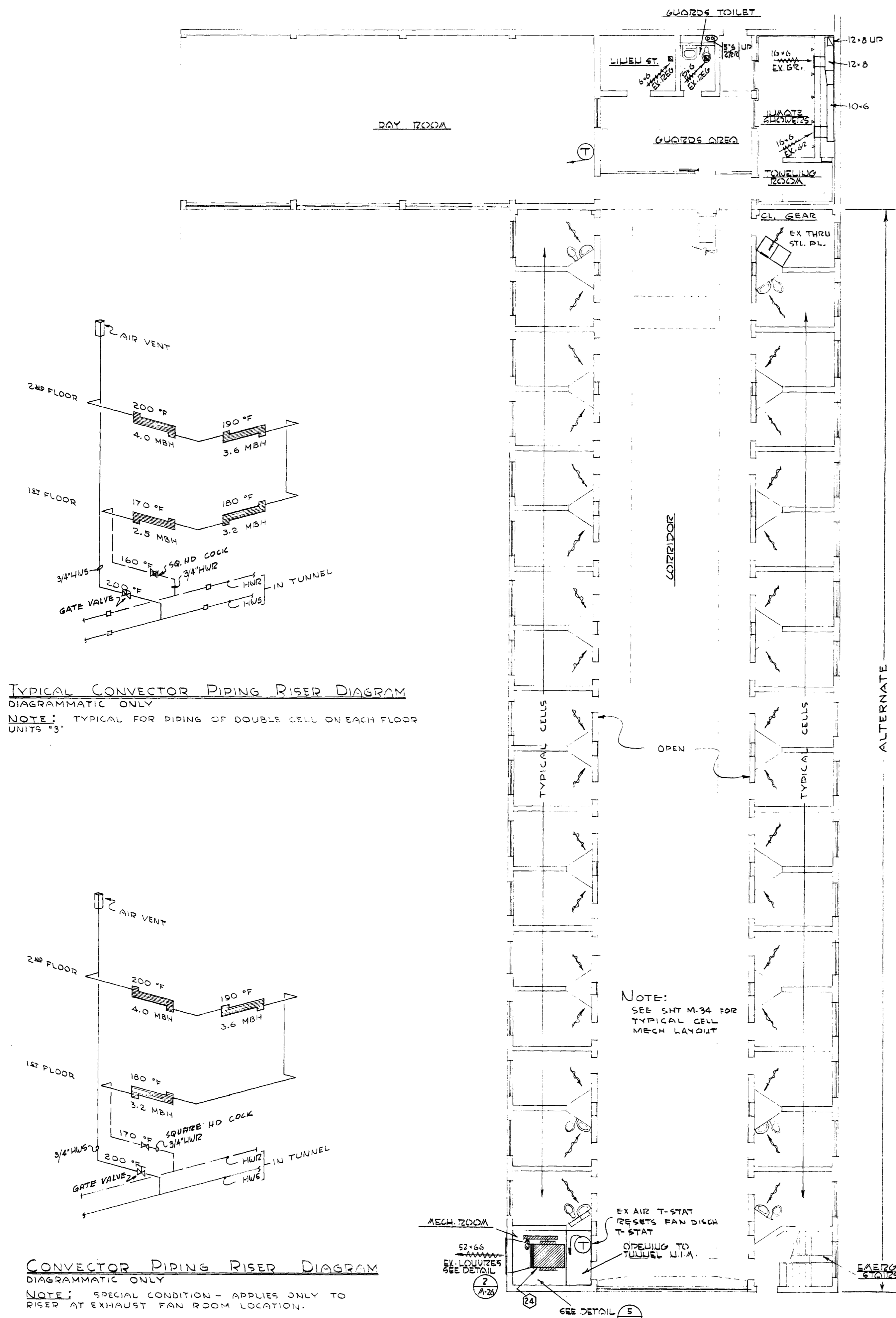
NO.	DATE	REVISIONS

O.S.C.I. 556-07
HEATING & VENT. UNIT #2
PLANS & DETAILS M19 OF 35

ANNAND, BOONE & LEI ARCHITECTS
D. E. A. BROS., 1930 N.W. TAYLOR ST., PORTLAND 9, ORE.
T. G. GUNTER, OREGON

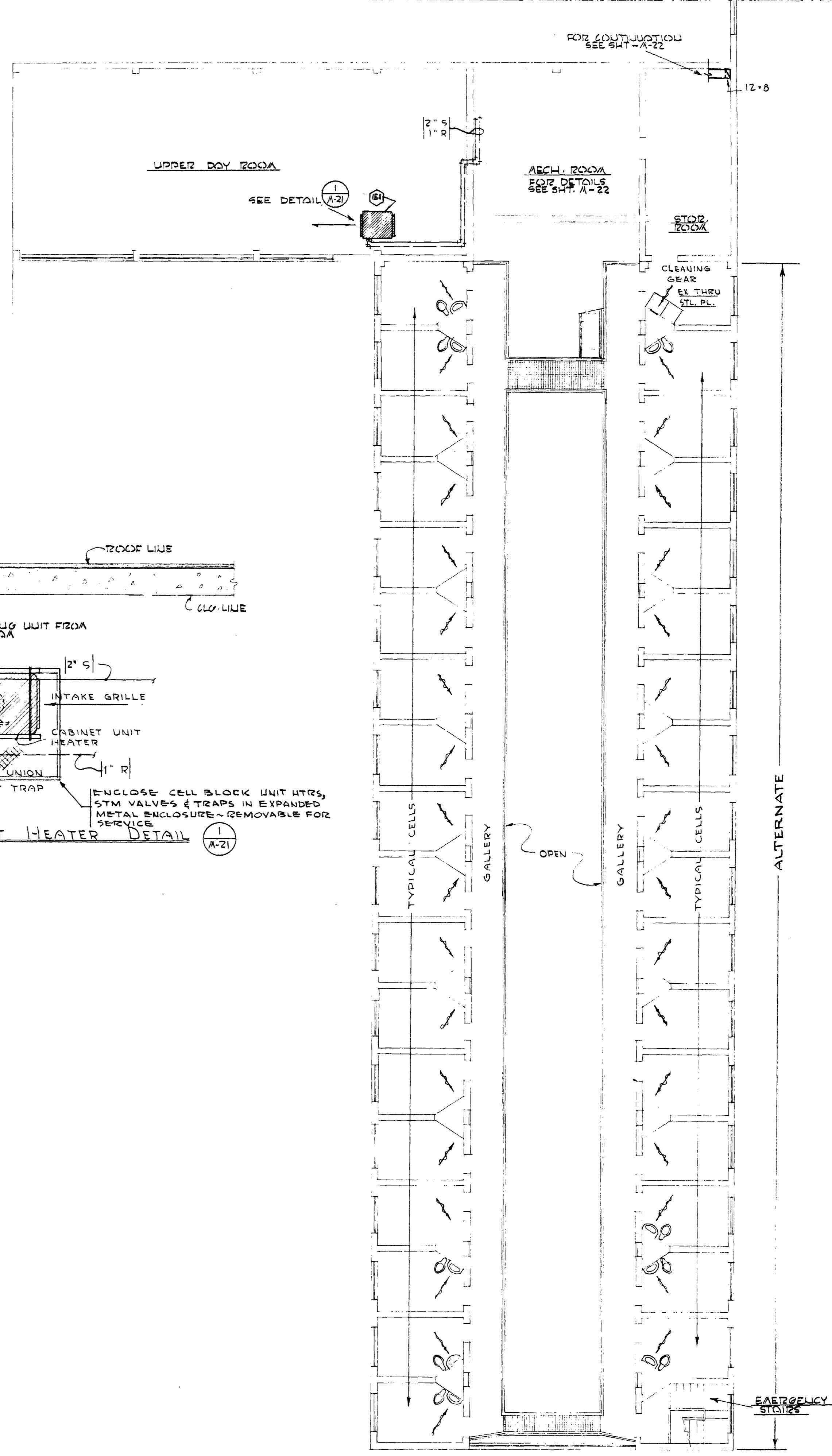
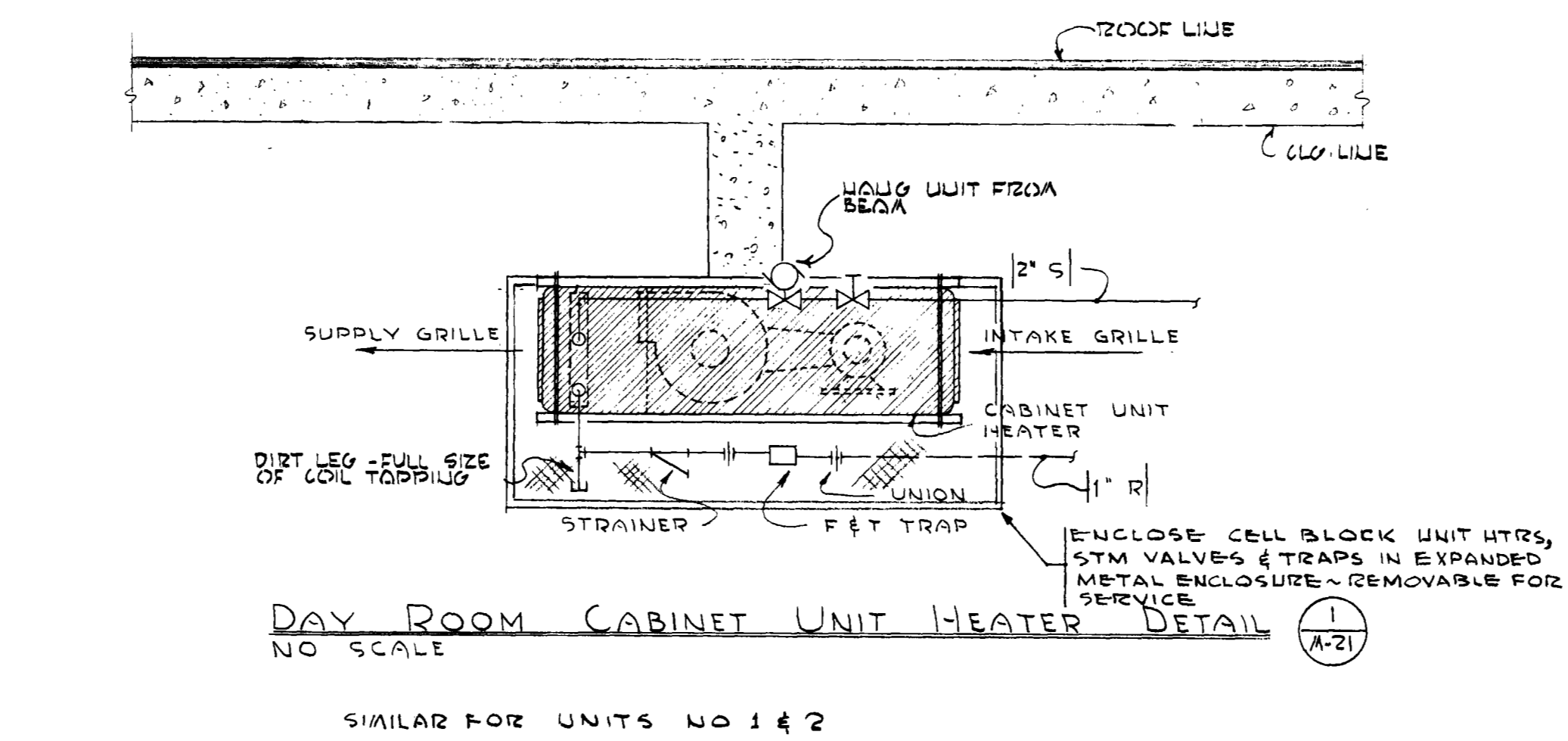
DATE: JULY 22, 1957

CL - CORRIDOR

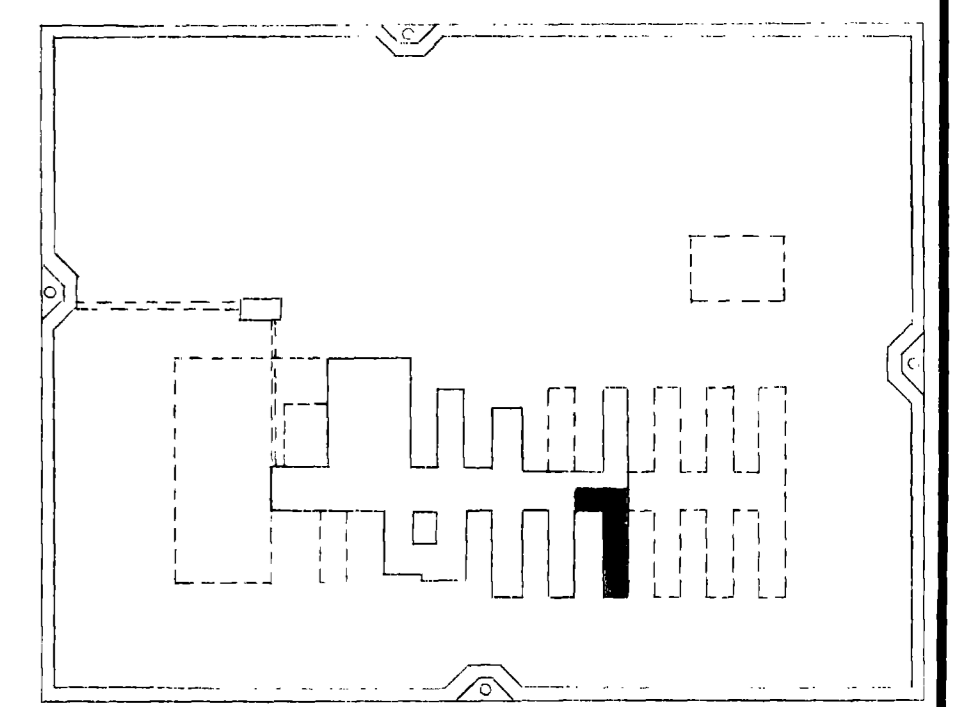


UNIT '3' FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

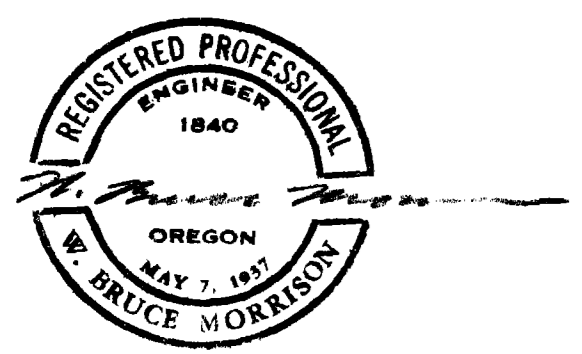
CONVECTOR PIPING RISER DIAGRAM
DIAGRAMMATIC ONLY
NOTE: SPECIAL CONDITION - APPLIES ONLY TO SINGLE CELL PIPING ON EACH FLOOR. TWO CASES: CELLS ADJACENT TO STAIR WELL AND CELLS ADJACENT TO JANITORS CLOSETS. UNITS '3'



UNIT '3' SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"



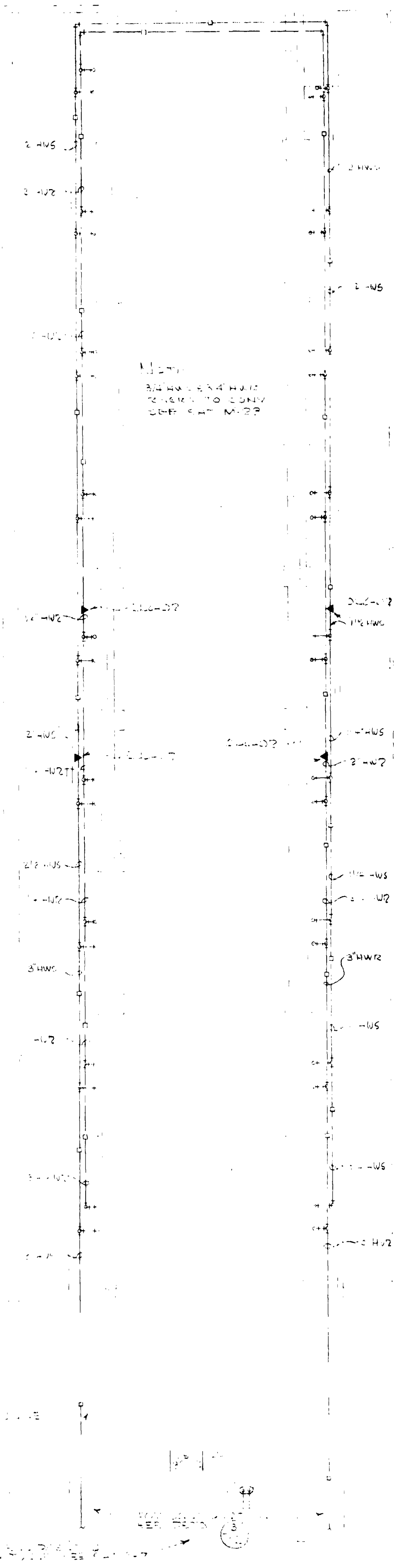
O.S.C.I. 556-07
HEATING & VENT.
UNIT #3
PLANS & DETAILS 21 OF 35



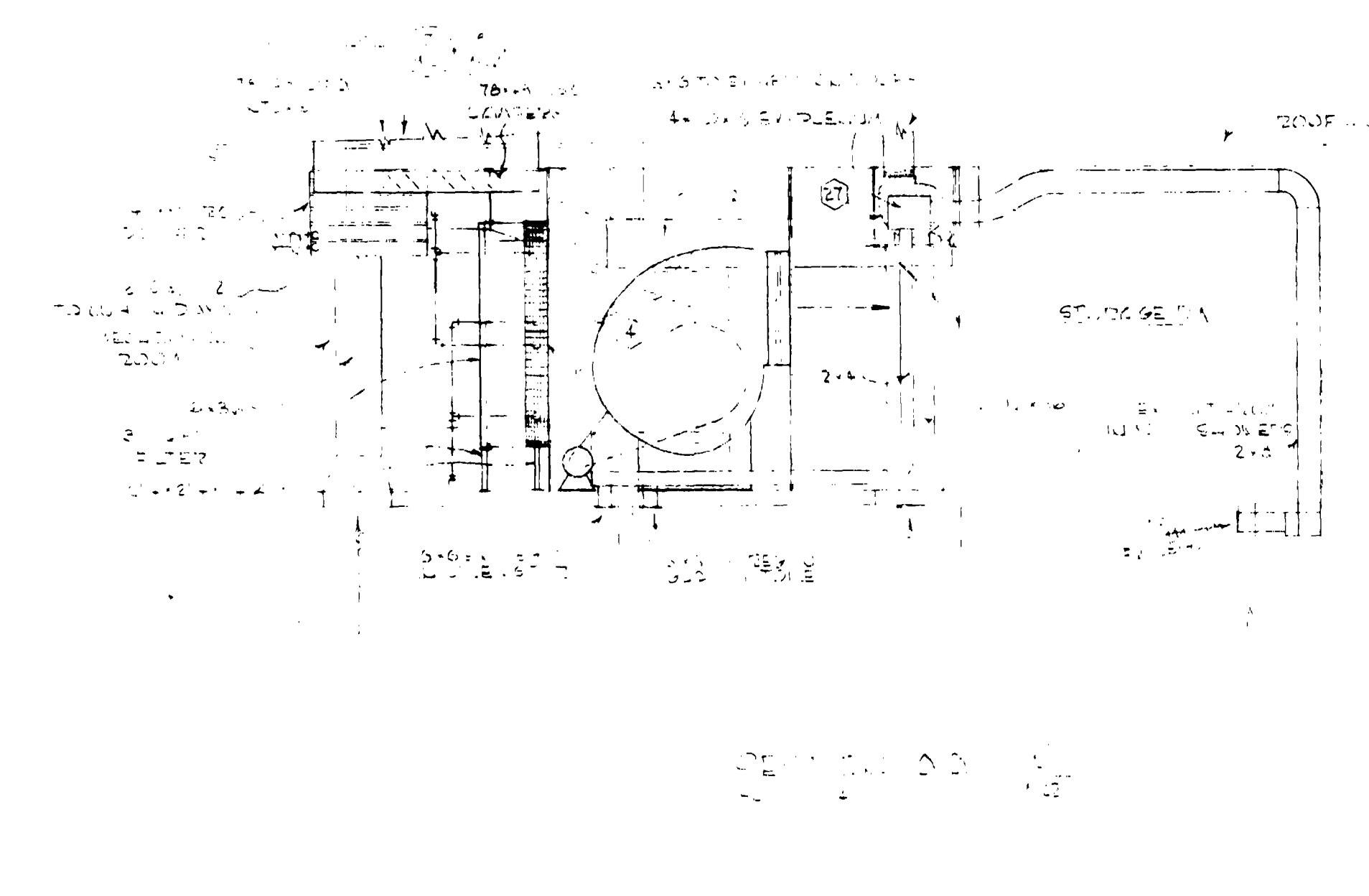
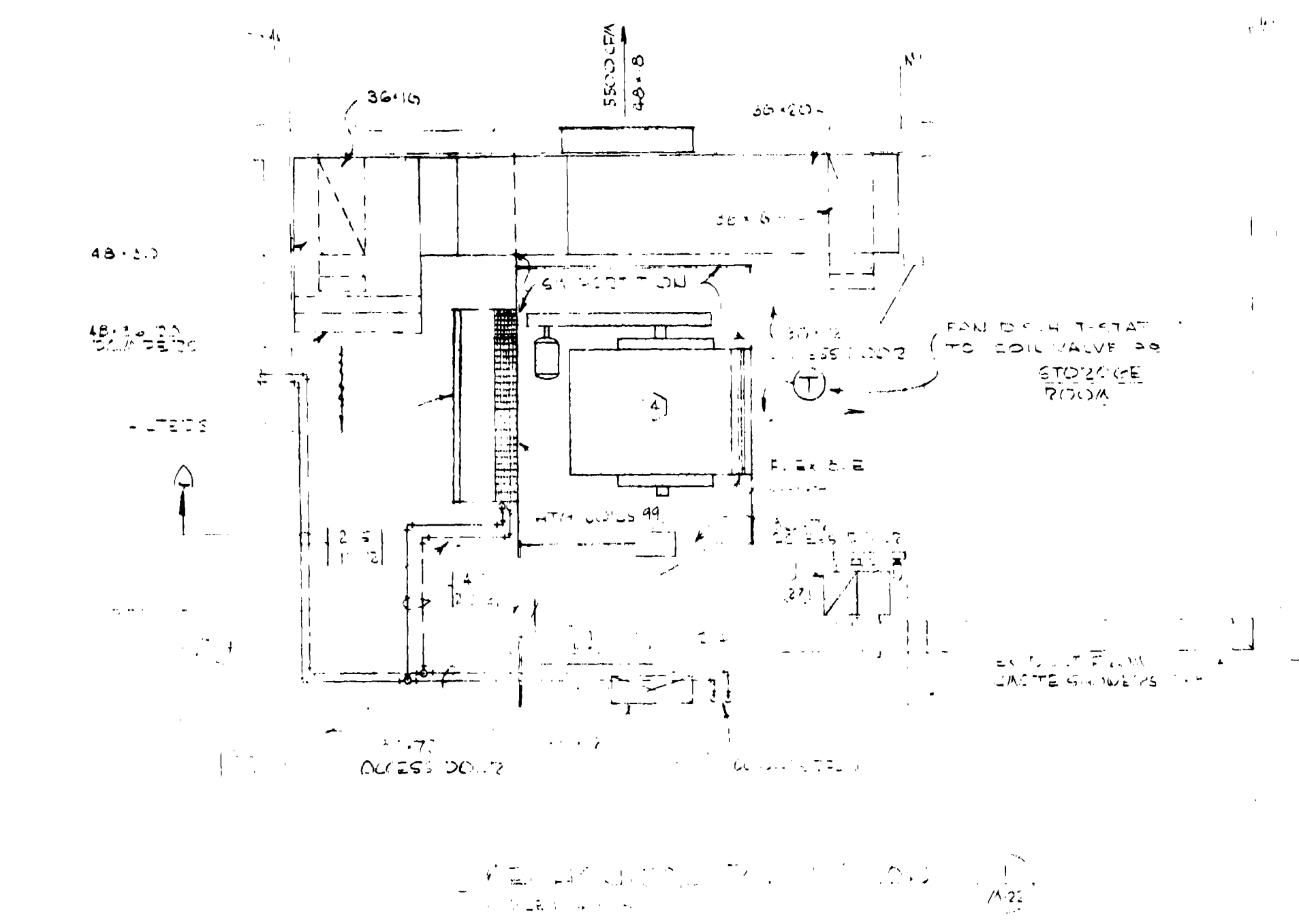
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DRAWN:	CHECKED:	DATE: JULY 22, 1957.
NO.	DATE	REVISIONS

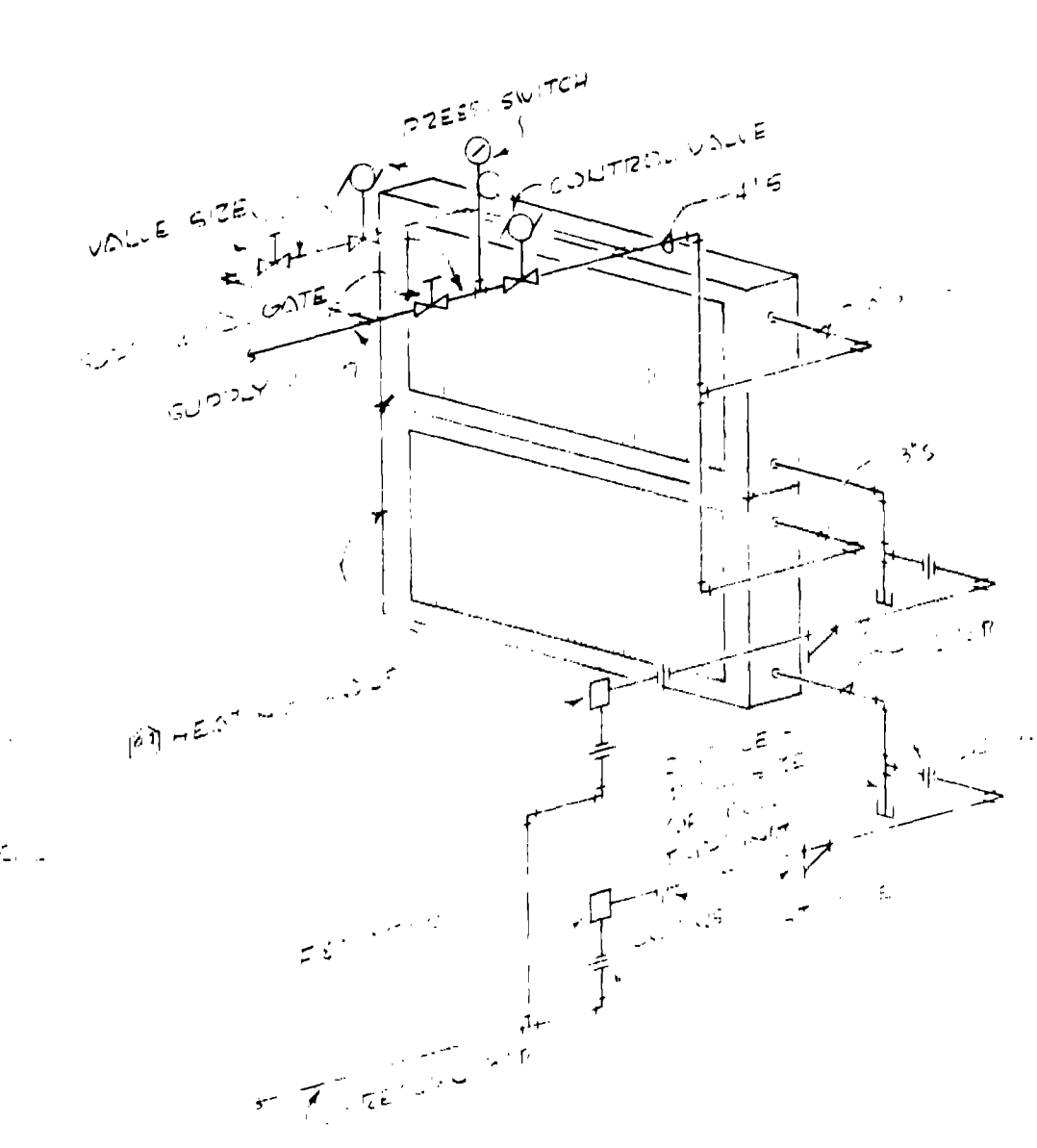
ANNAND, BOONE & LEI
ARCHITECTS
1211 N. W. 5th Ave., Portland 9, Ore.



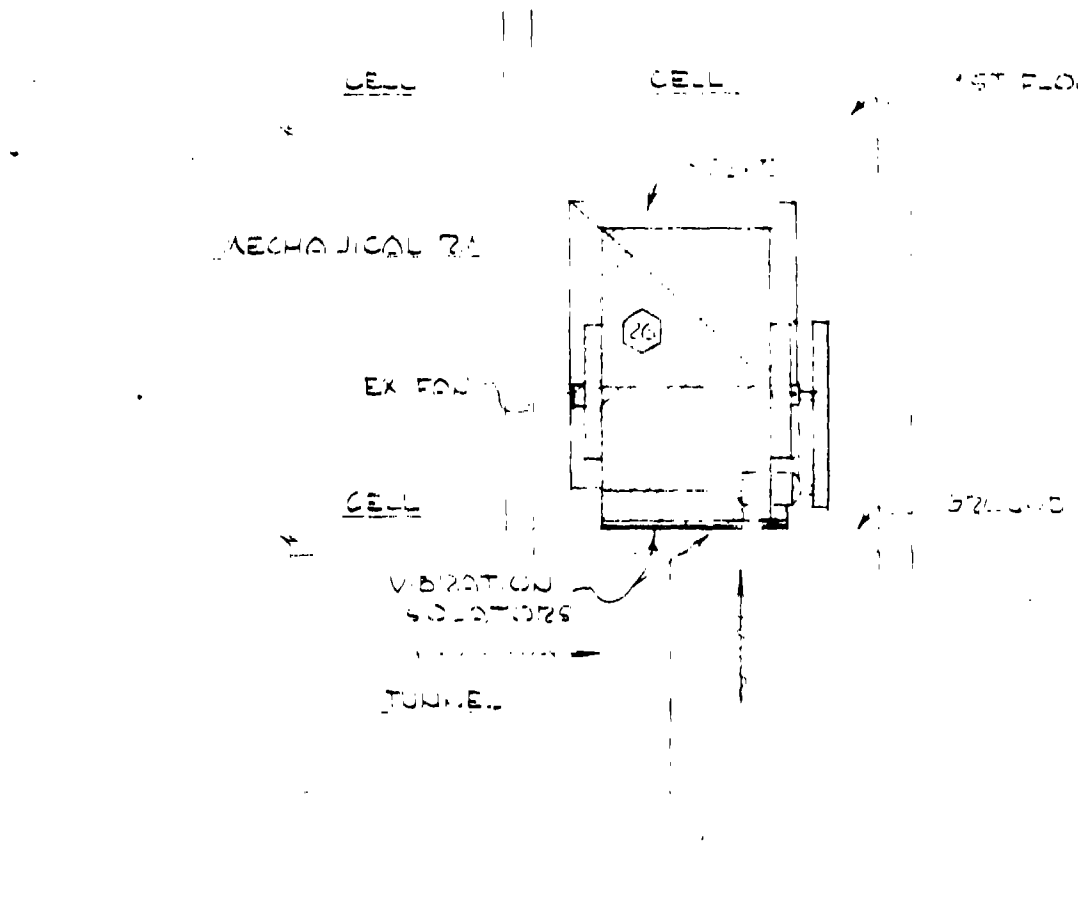
FOUNDATION PLAN
SCALE 1/4" = 1'-0"



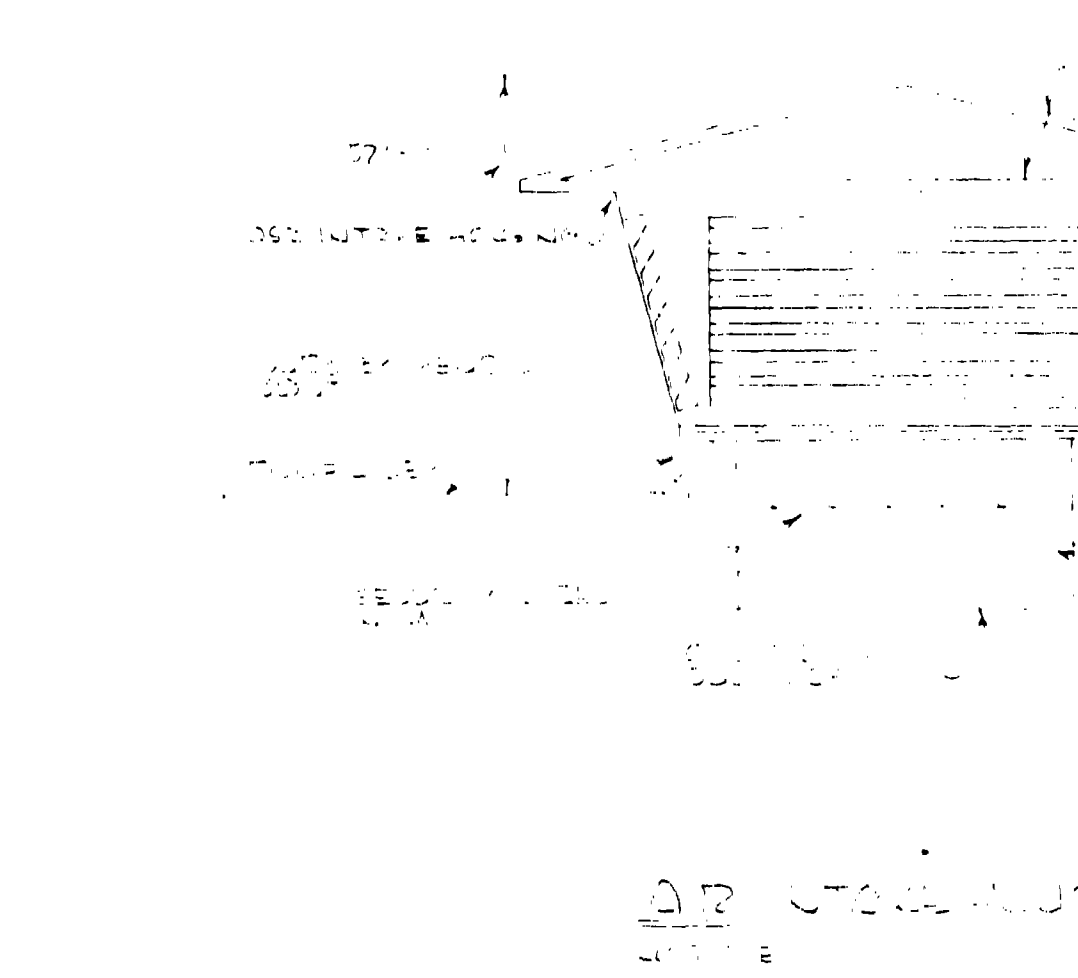
SECTION THREE TOWER AND MECHANICAL ROOM
SCALE 1/4" = 1'-0"



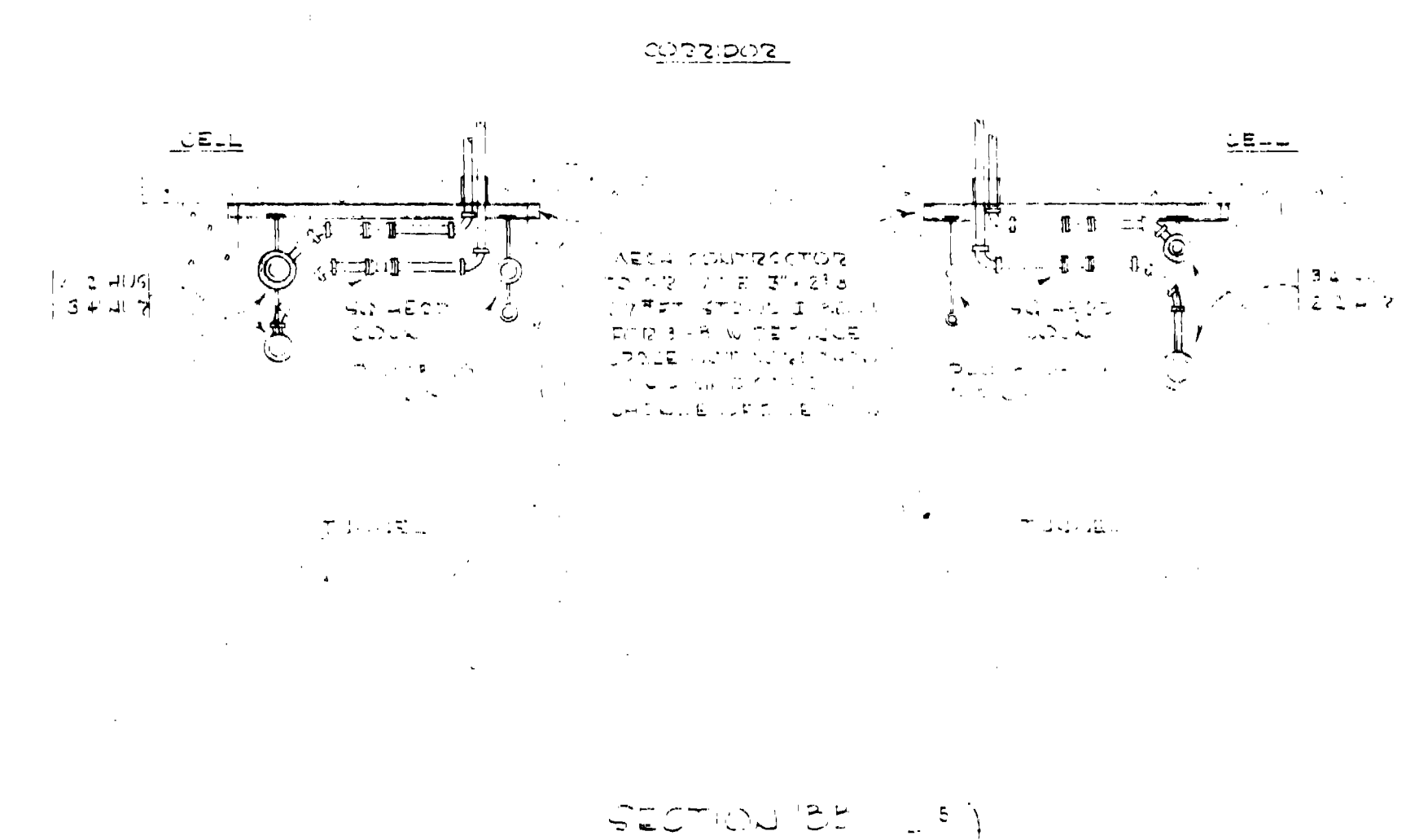
SECTION FOUR DIESEL ROOM
SCALE 1/4" = 1'-0"



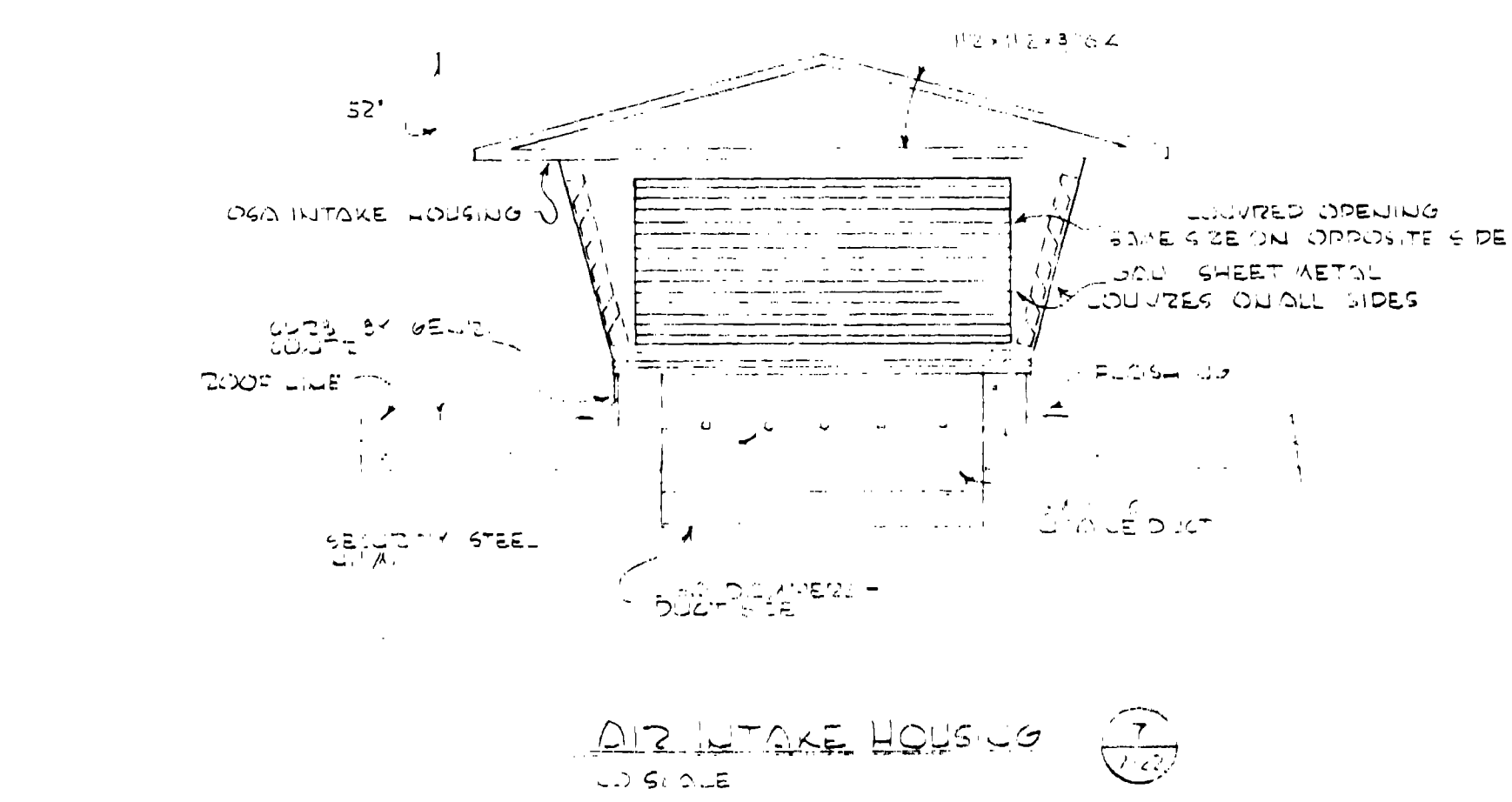
SECTION FIVE MECHANICAL ROOM ON SECOND FLOOR ELEVATION
SCALE 1/4" = 1'-0"



SECTION SIX AIR INTAKE HOUSING
SCALE 1/4" = 1'-0"



SECTION SEVEN MECHANICAL ROOM
SCALE 1/4" = 1'-0"



SECTION EIGHT AIR INTAKE HOUSING
SCALE 1/4" = 1'-0"



SECTION NINE AIR INTAKE HOUSING
SCALE 1/4" = 1'-0"

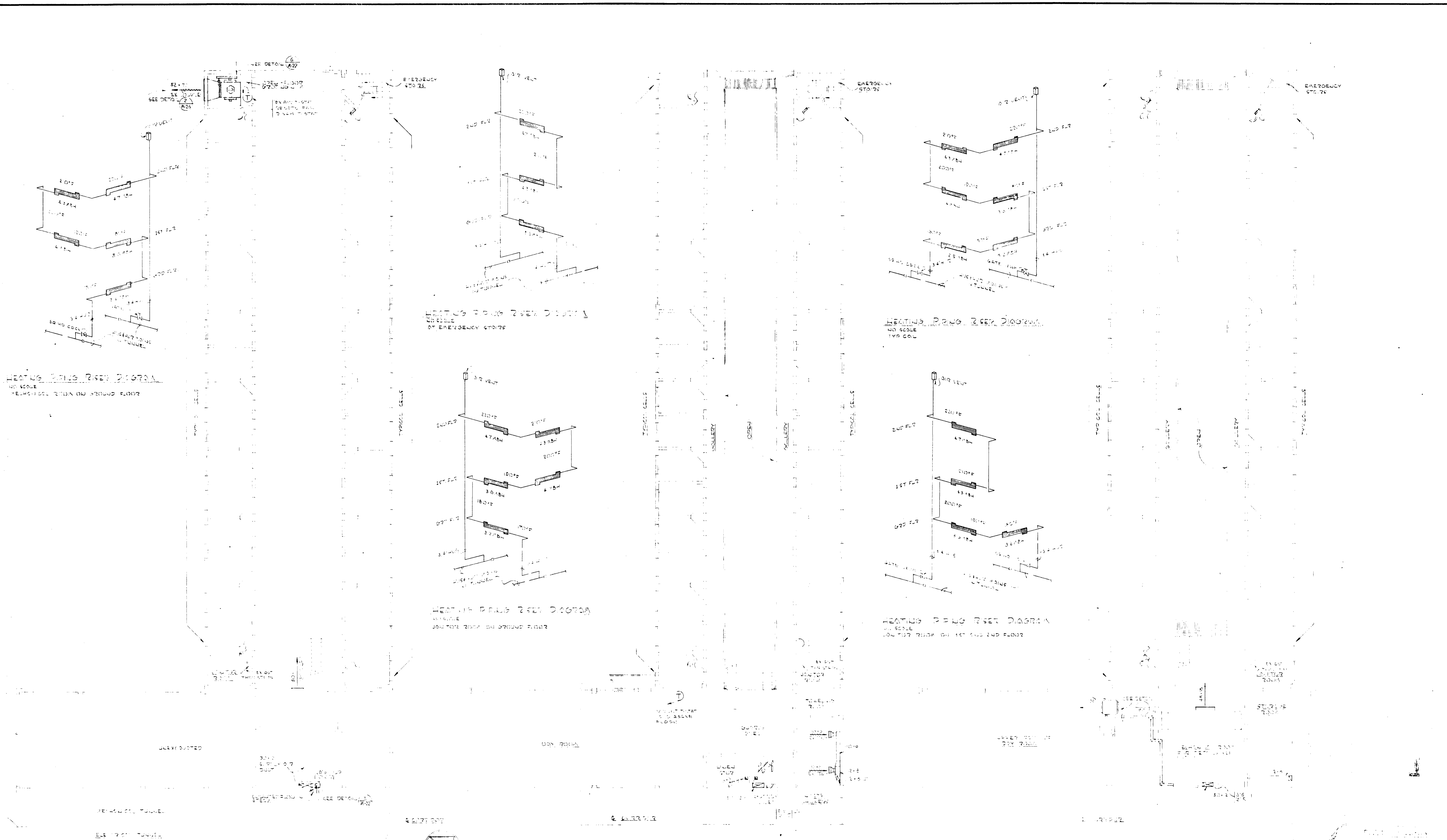
OSCI 556-07
HEATING & VENT UNIT #4
PLANS & DETAILS
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NO.	DATE	REVISIONS

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ARCHITECTS
1000 N. W. 10th St., Portland, Oregon



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

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

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

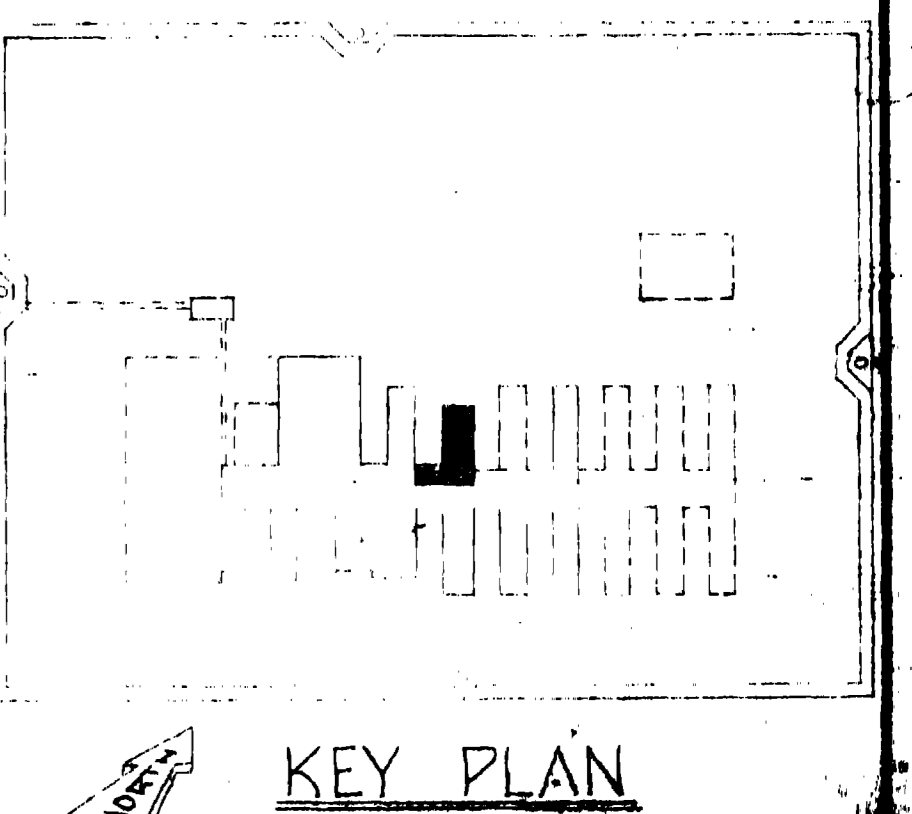
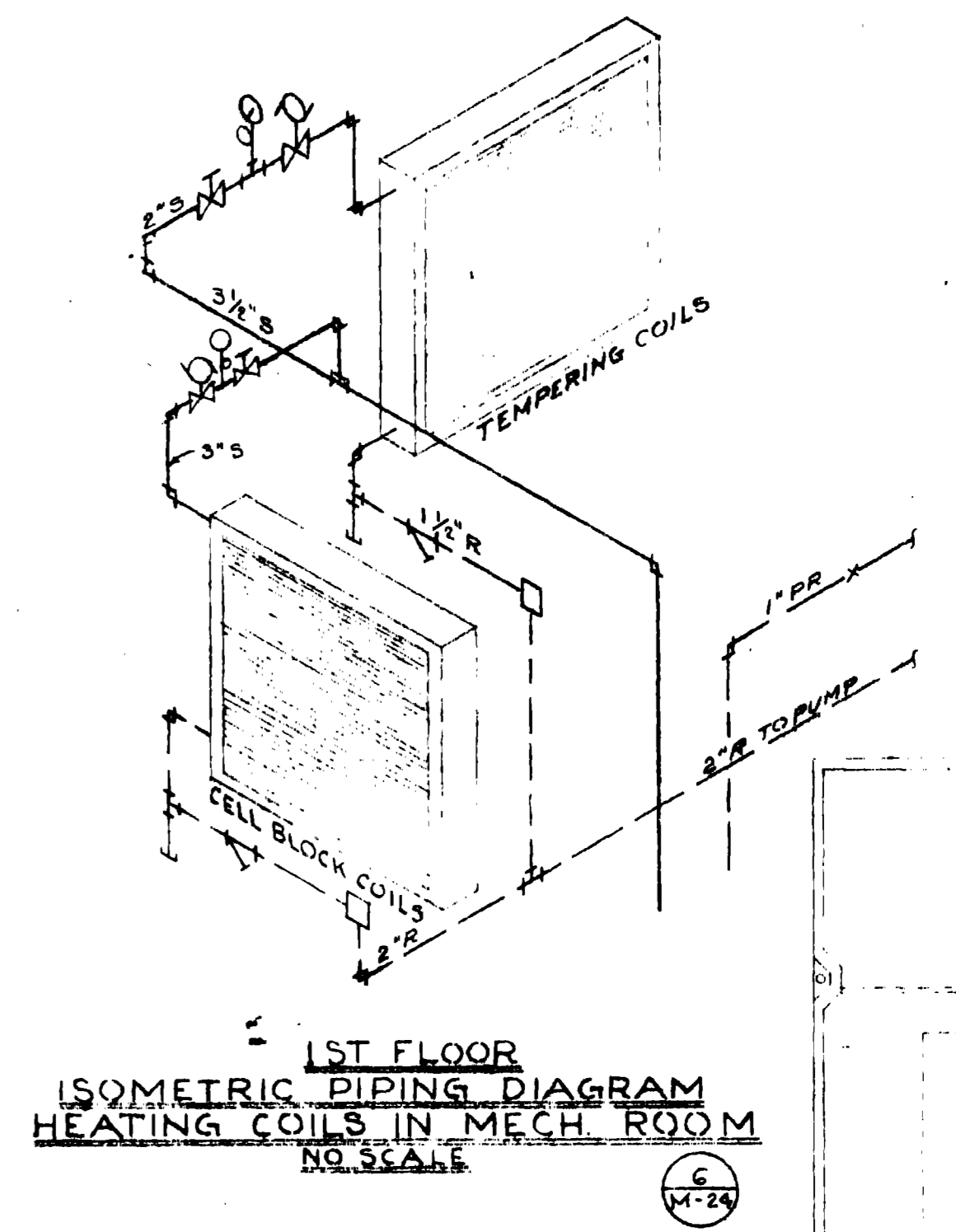
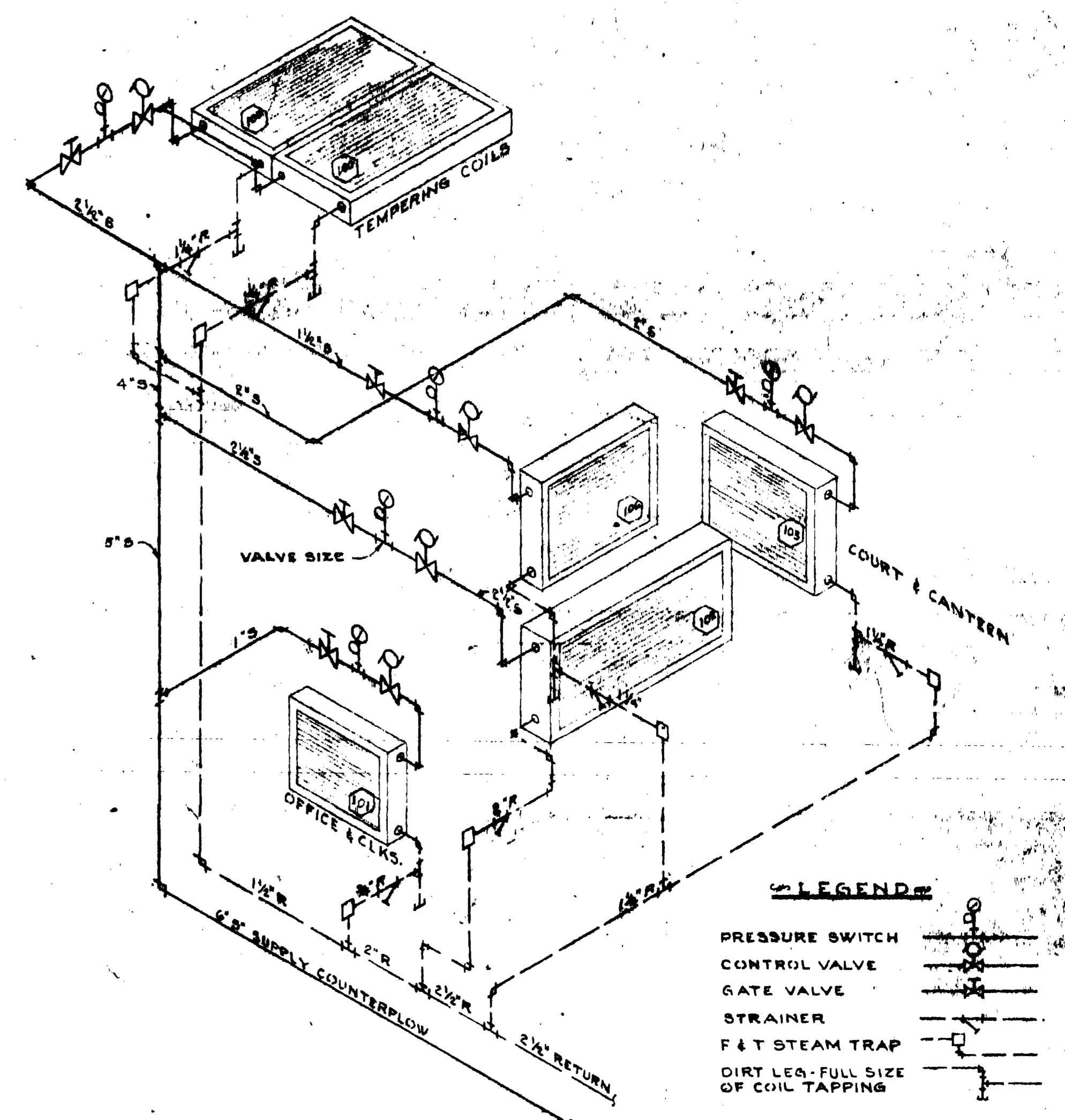
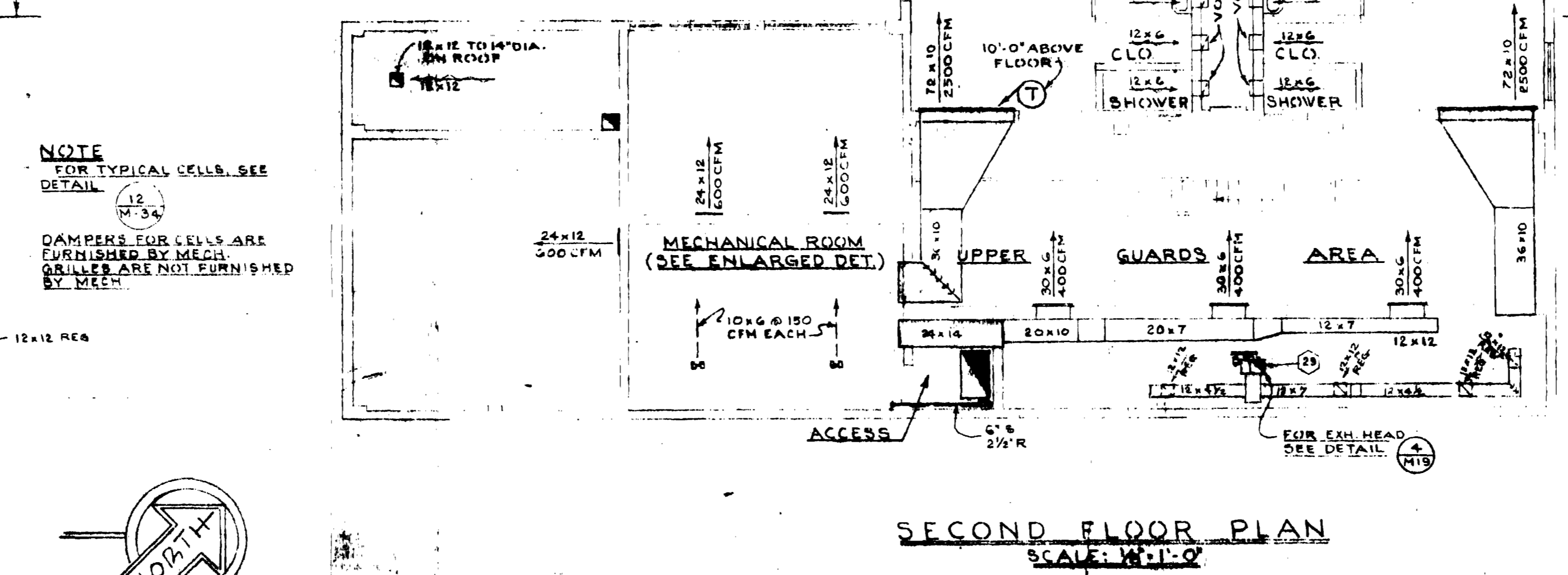
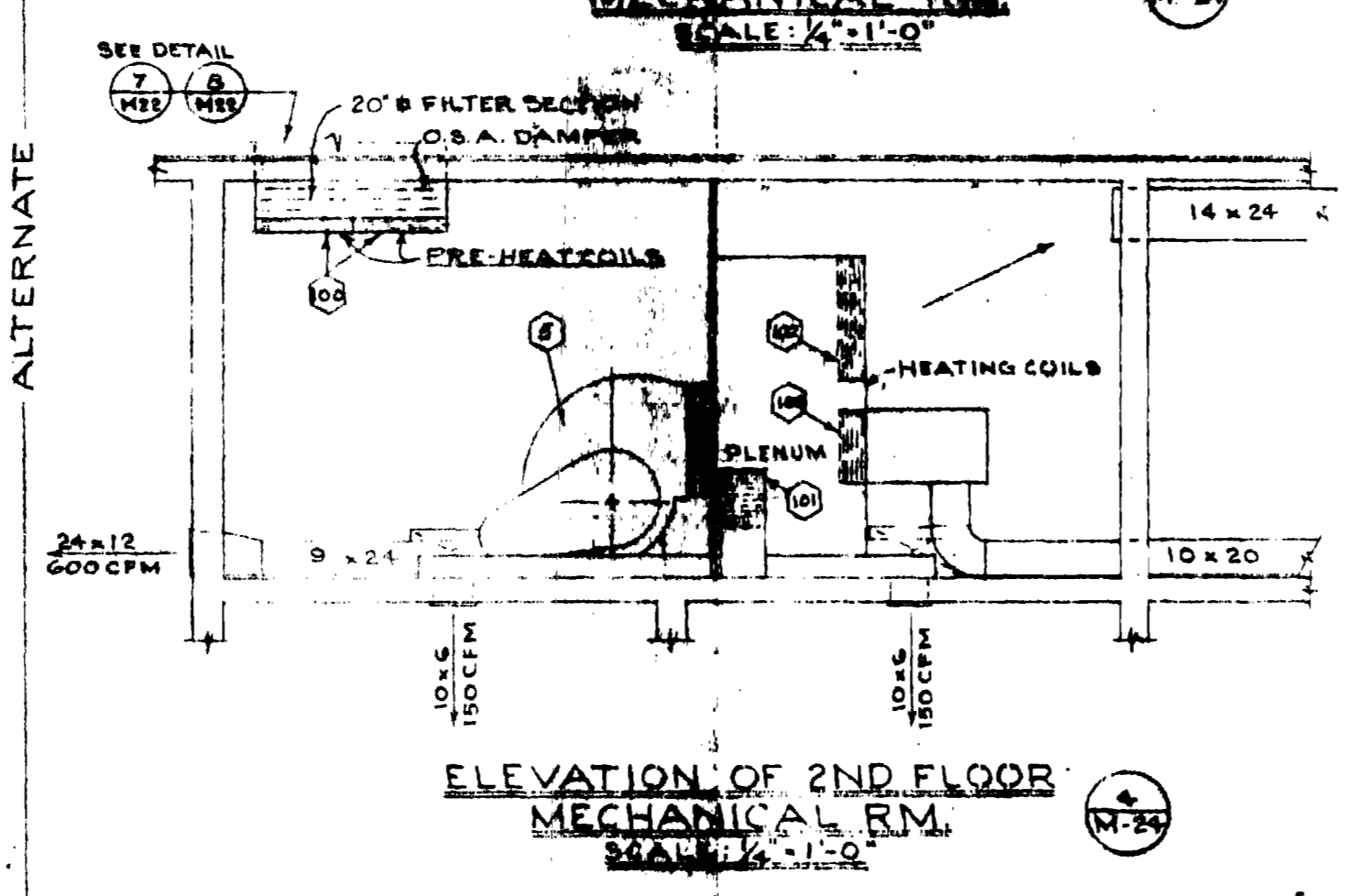
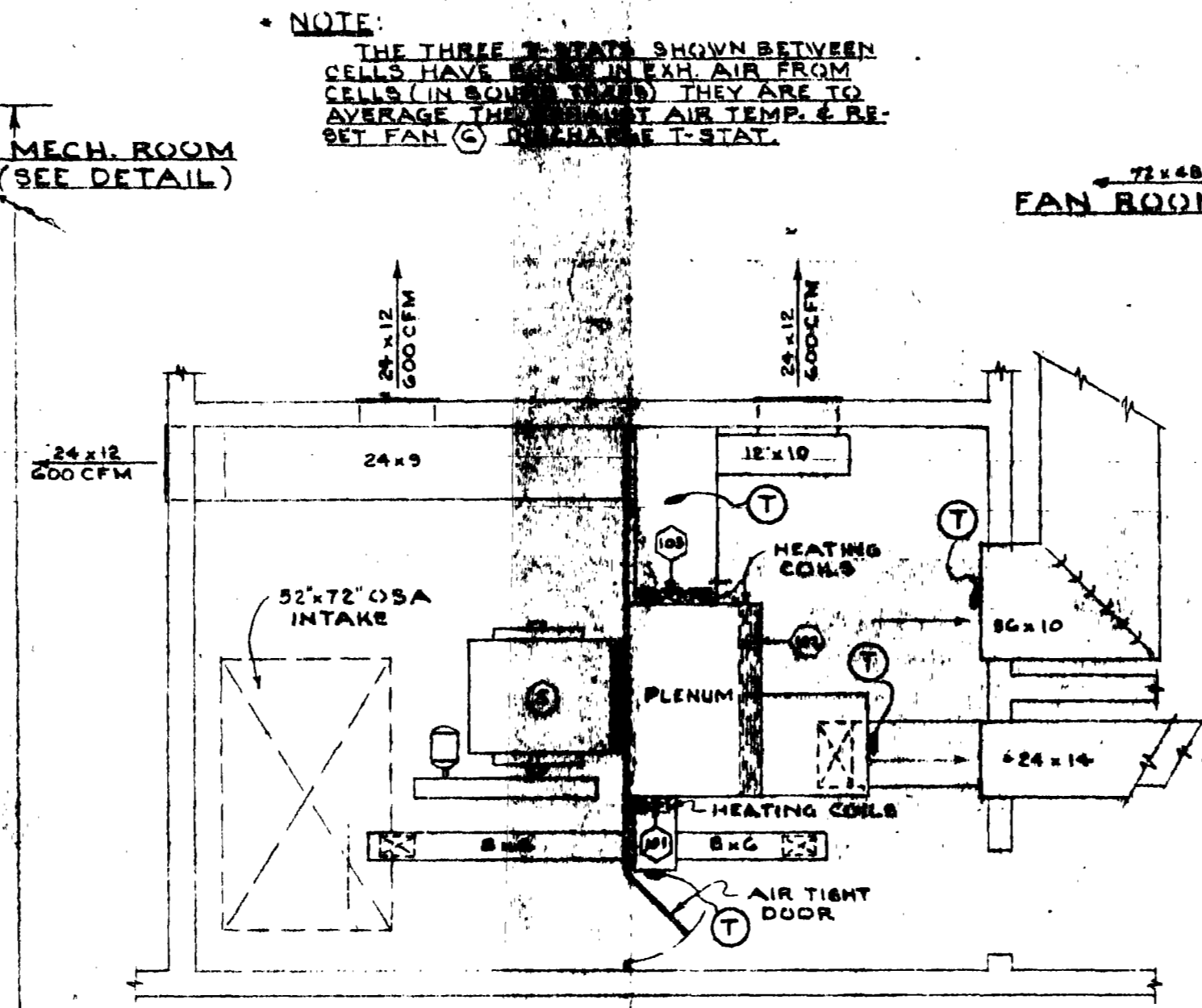
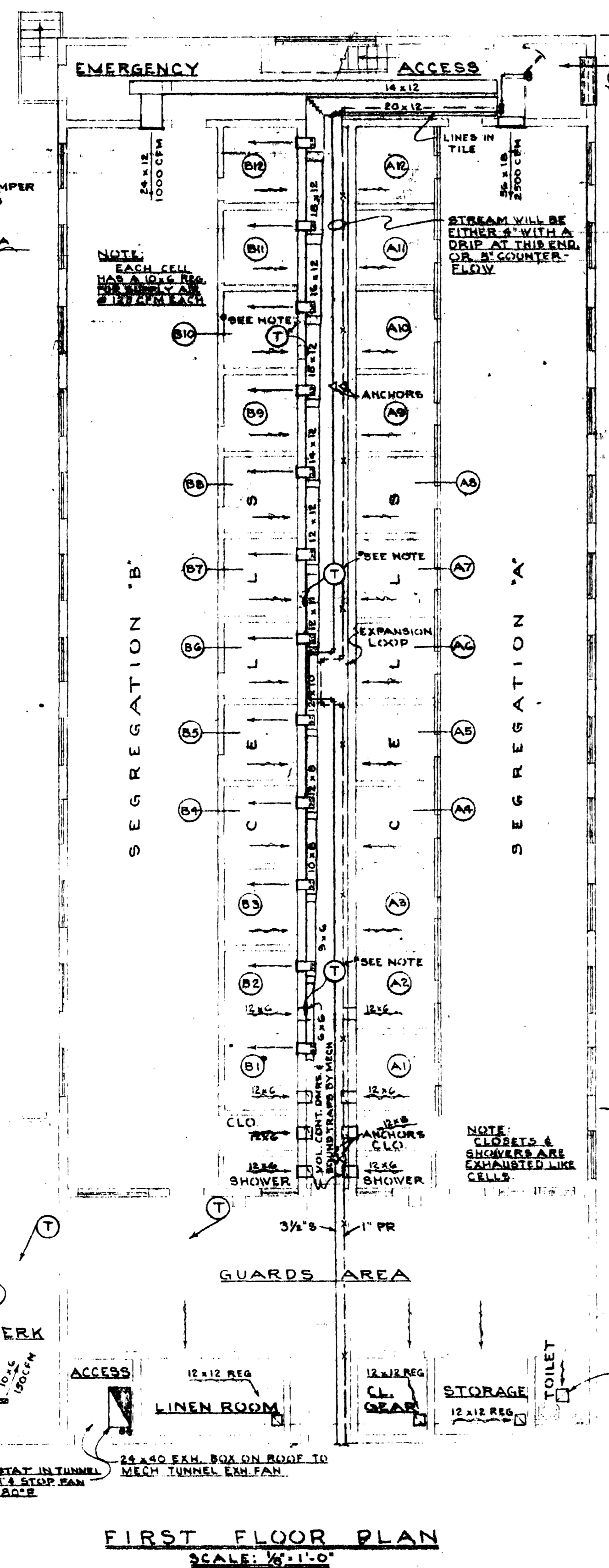
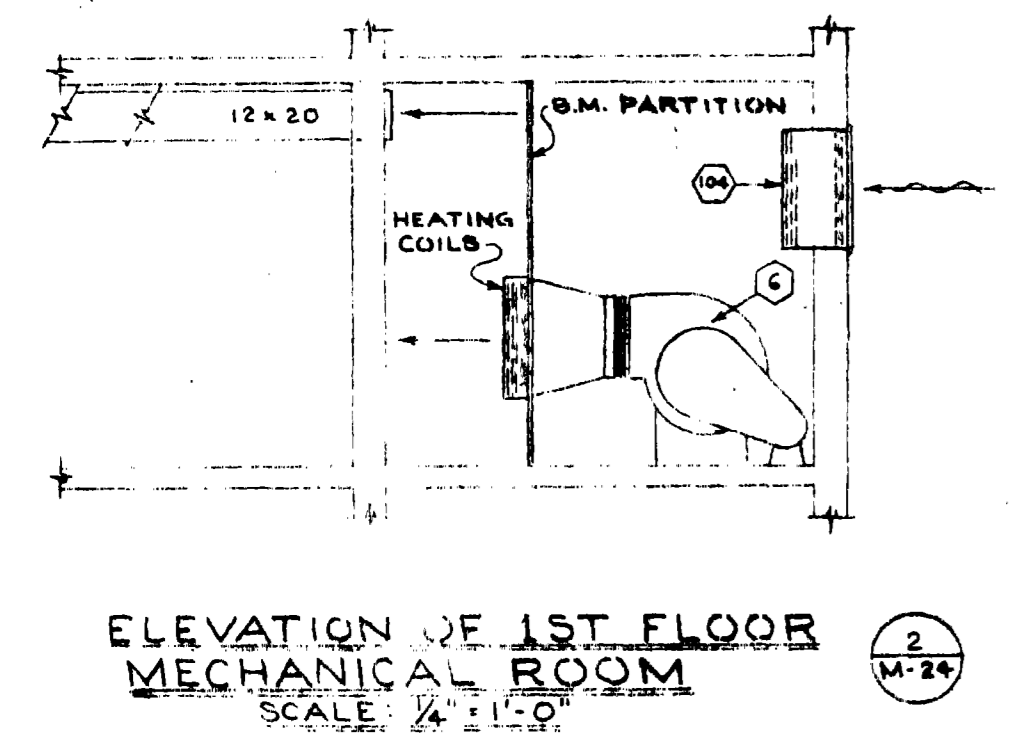
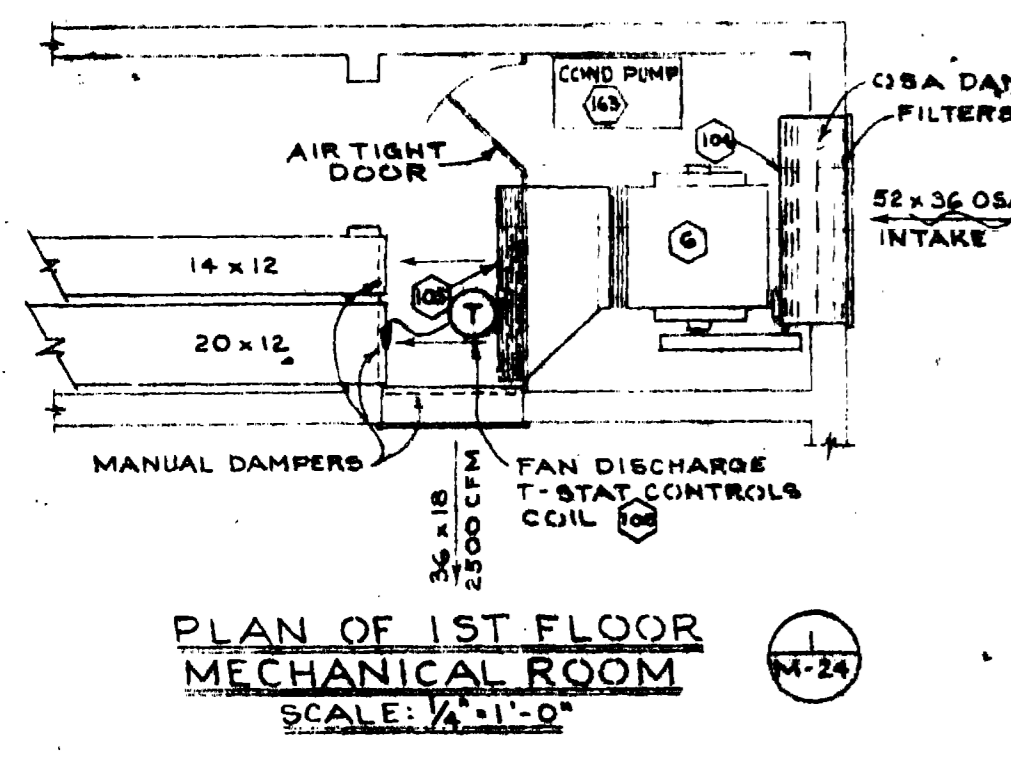
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HEATING & VENT
UNIT #4
PLANS & DETAILS

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NO.	DATE	REVISIONS

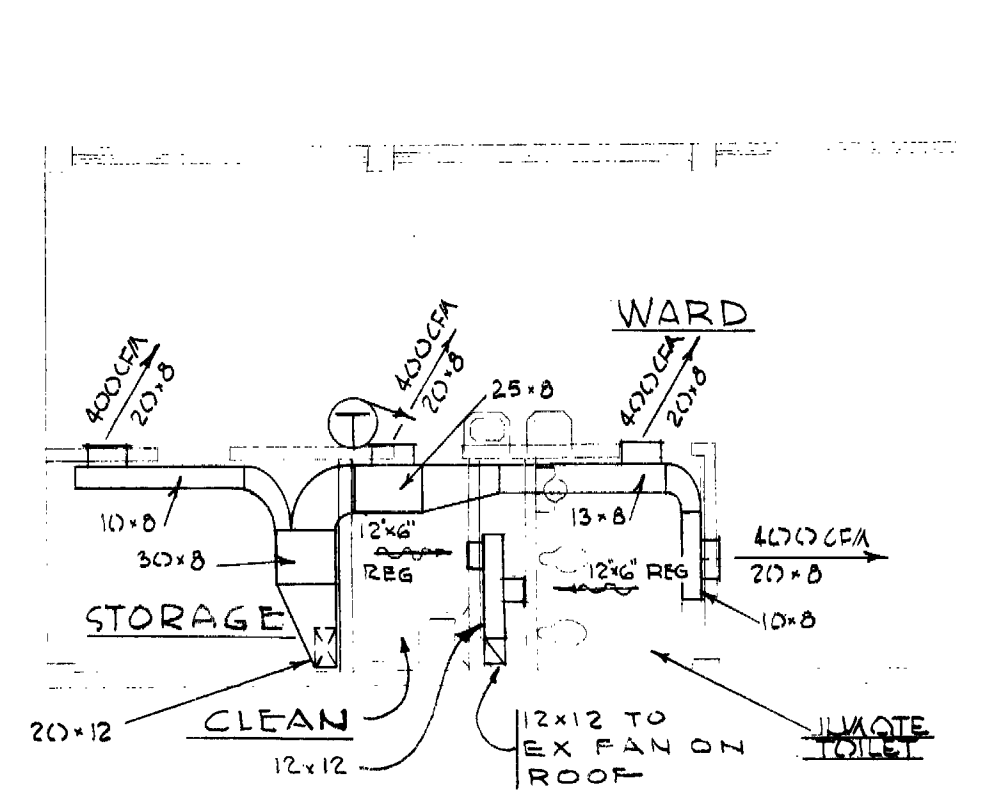
ANNAND, BOONE & LEI
ARCHITECTS
DATE: JULY 22, 1957



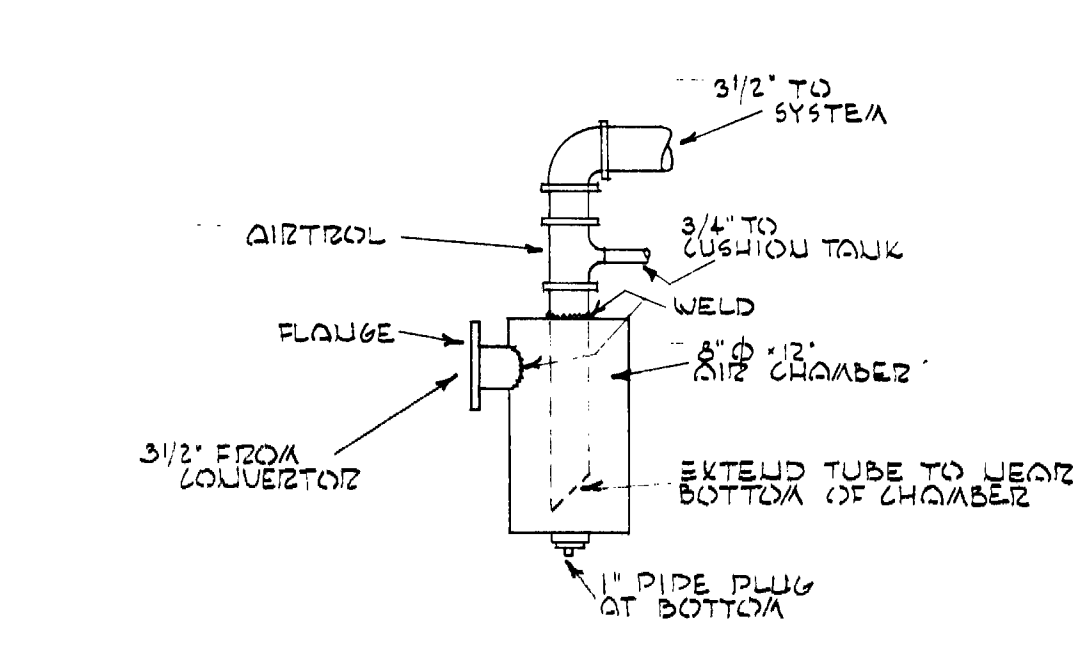
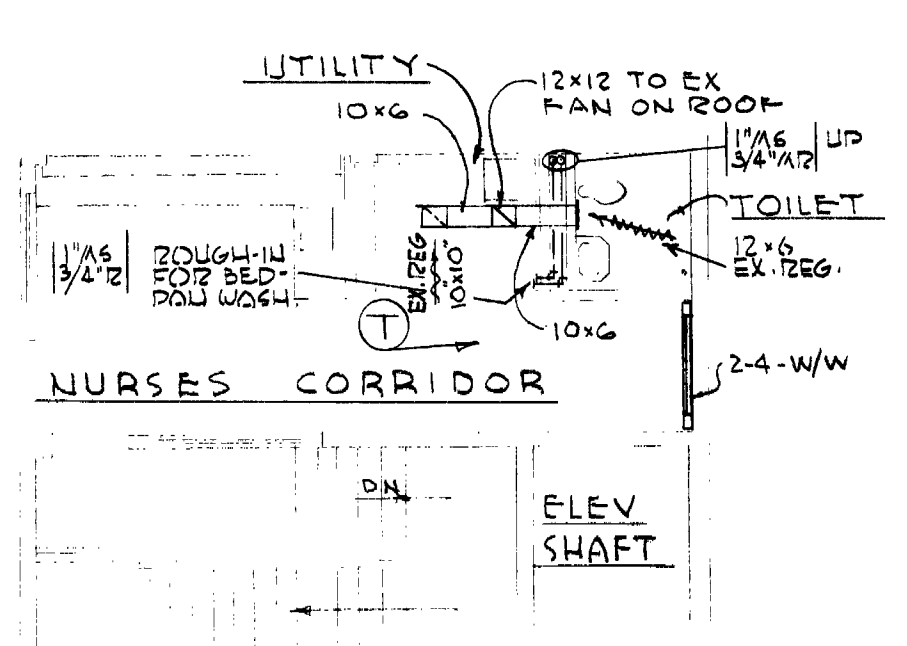
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NO.	DATE	REVISIONS

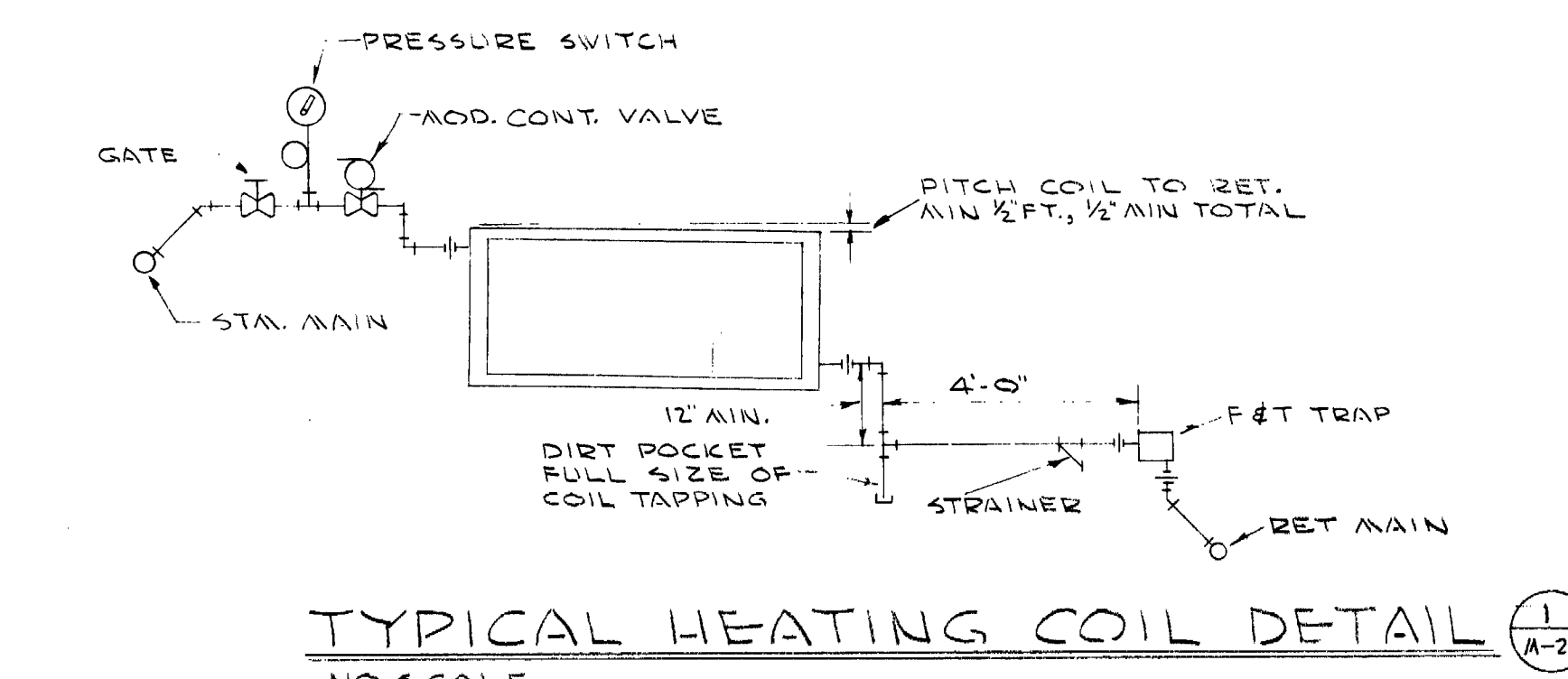
O.S.C.I. 556-07
HEATING & VENT UNIT # 5
PLANS & DETAILS
ANNAND, BOONE & L... ARCHITECTS
JULY - 22, 1937



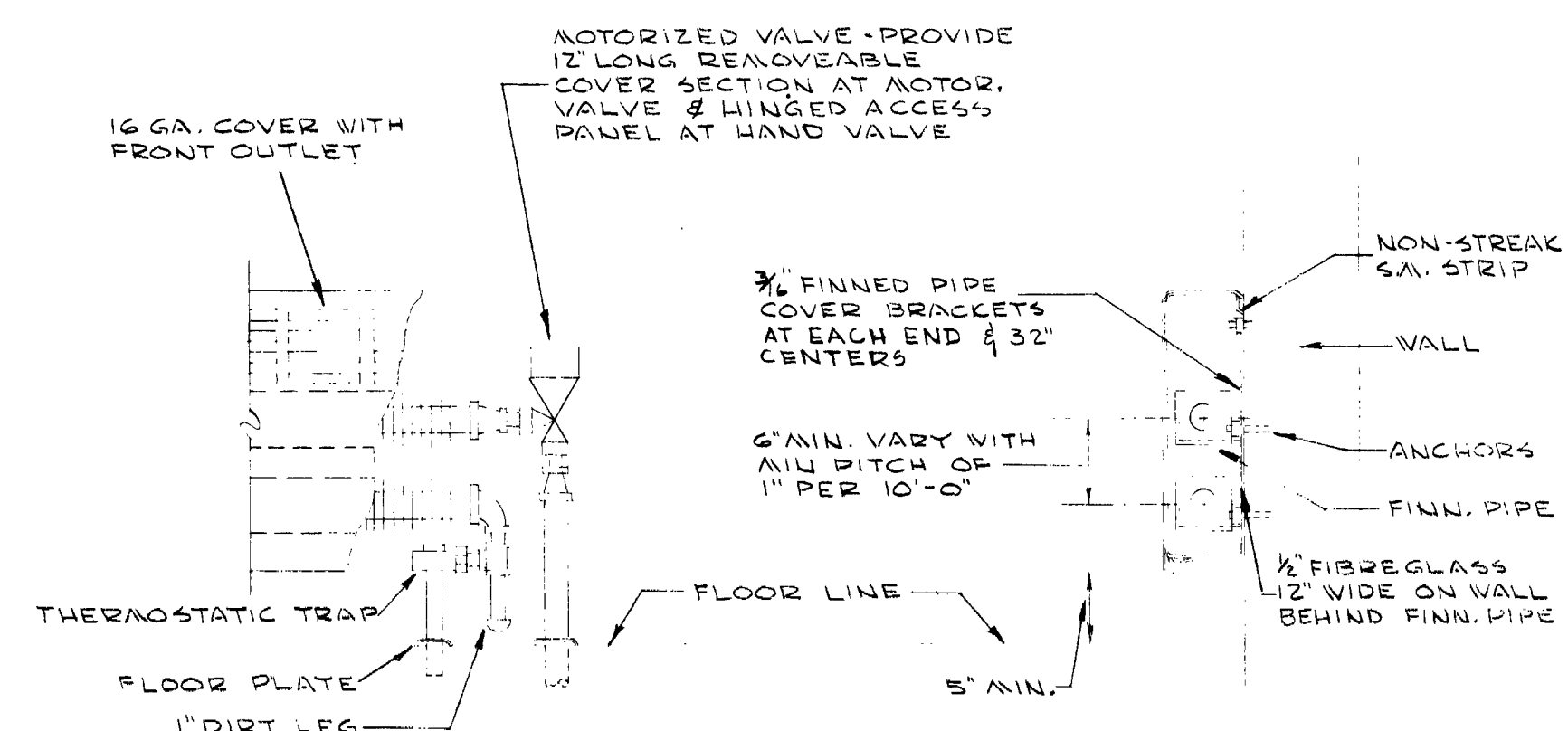
SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"



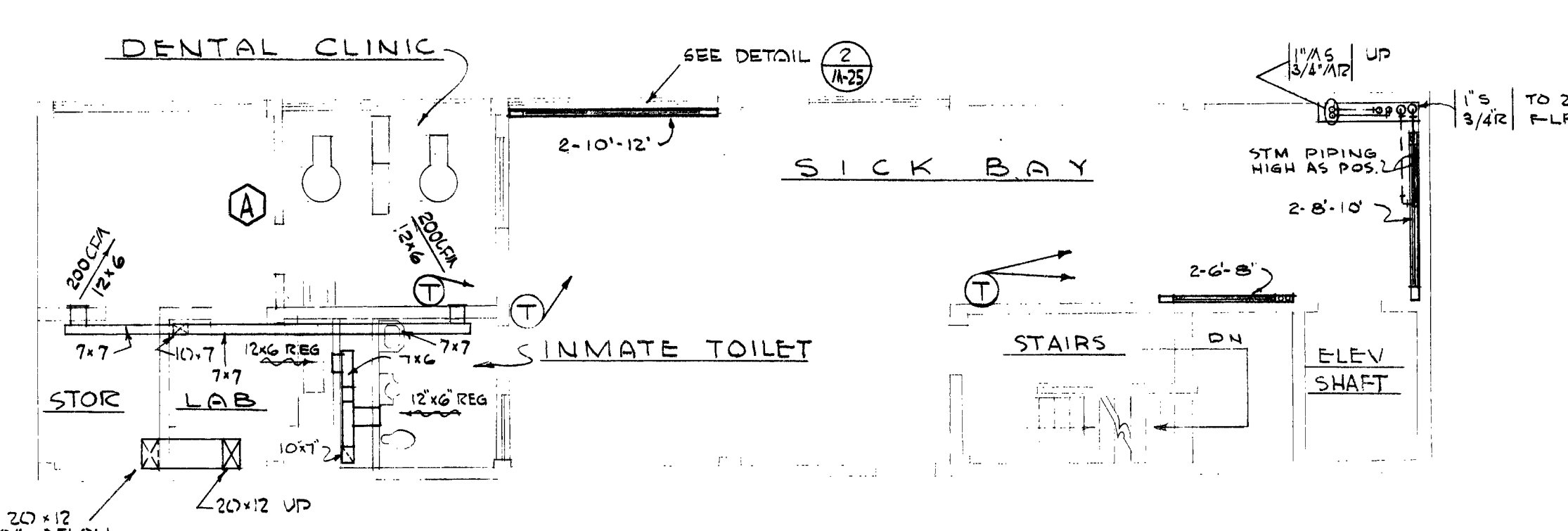
AIR CHAMBER DETAIL
NO SCALE



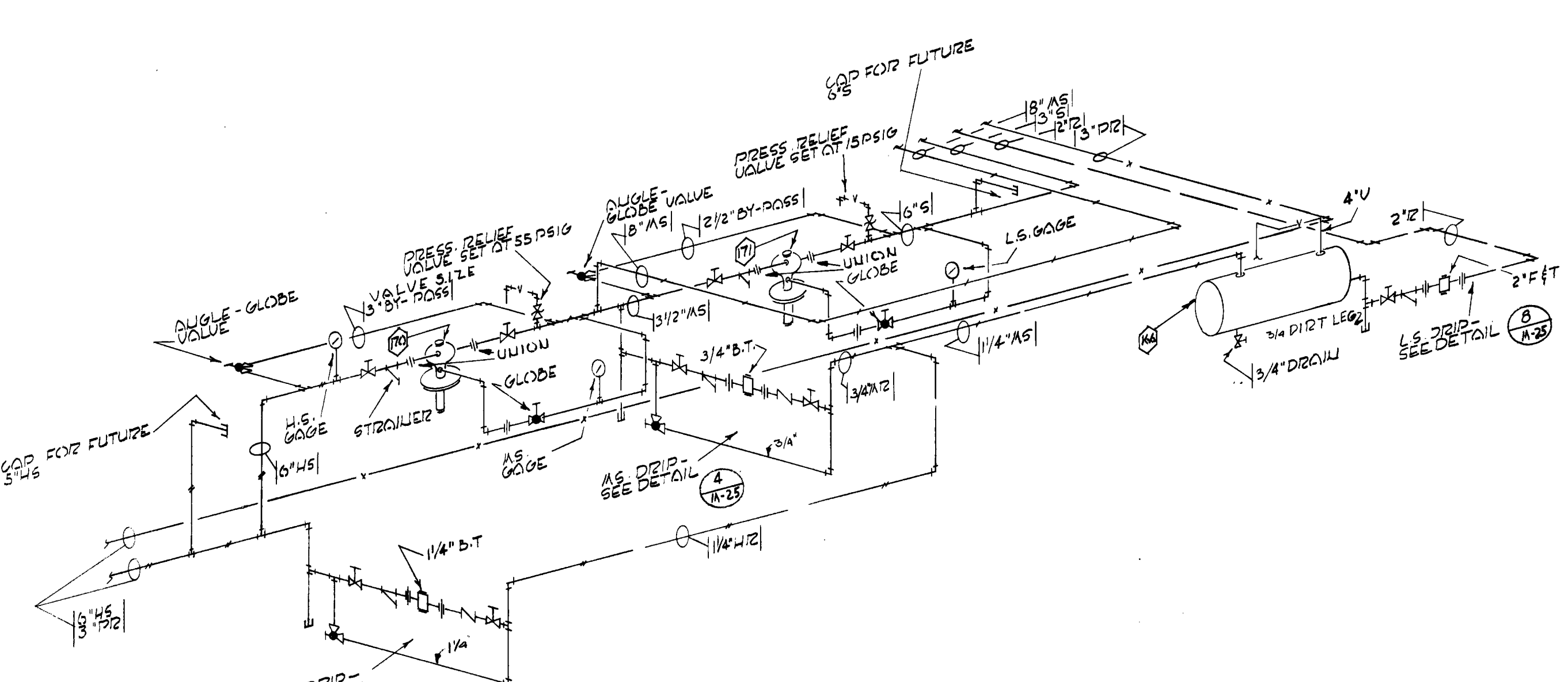
TYPICAL HEATING COIL DETAIL
NO SCALE



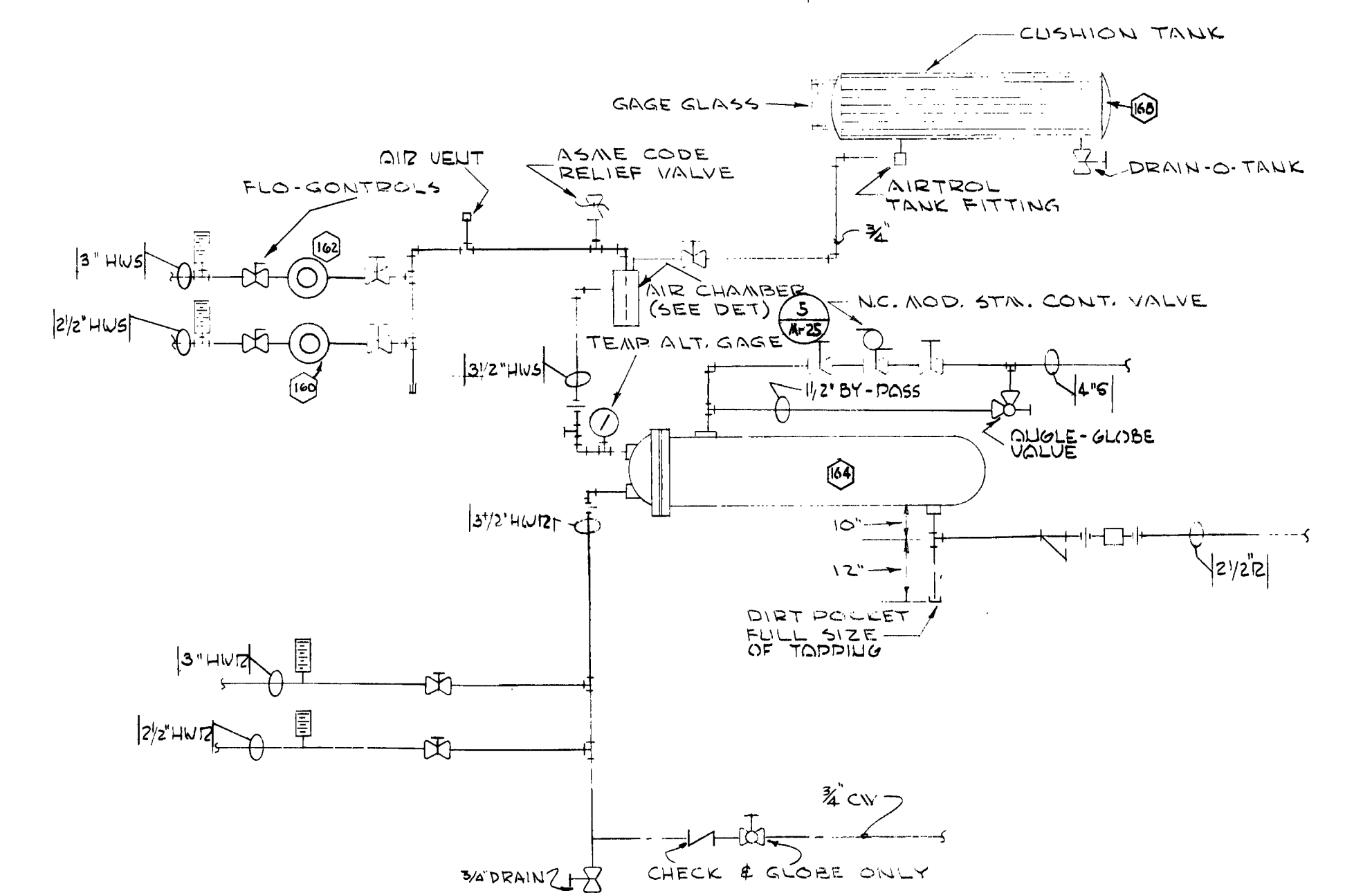
FINNED PIPE COVER DETAIL
NO SCALE



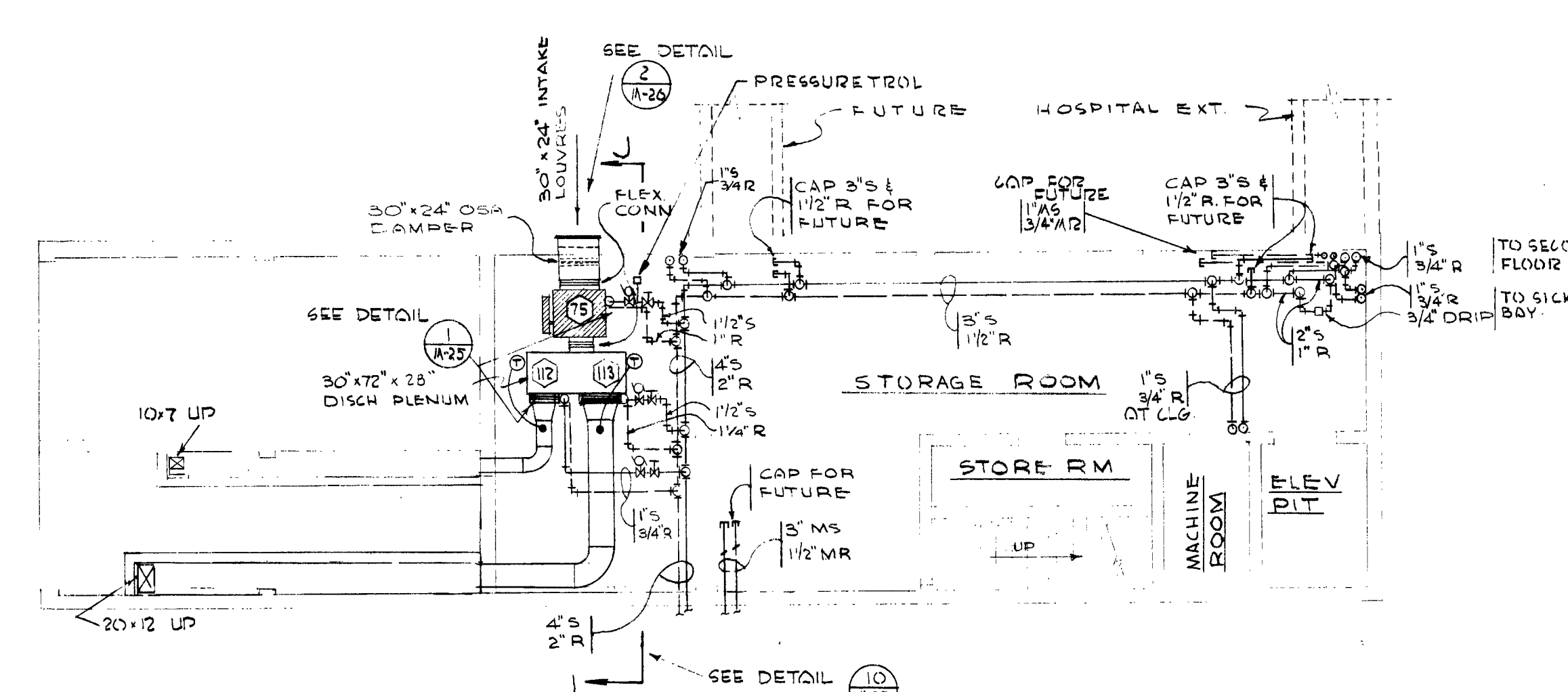
FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"



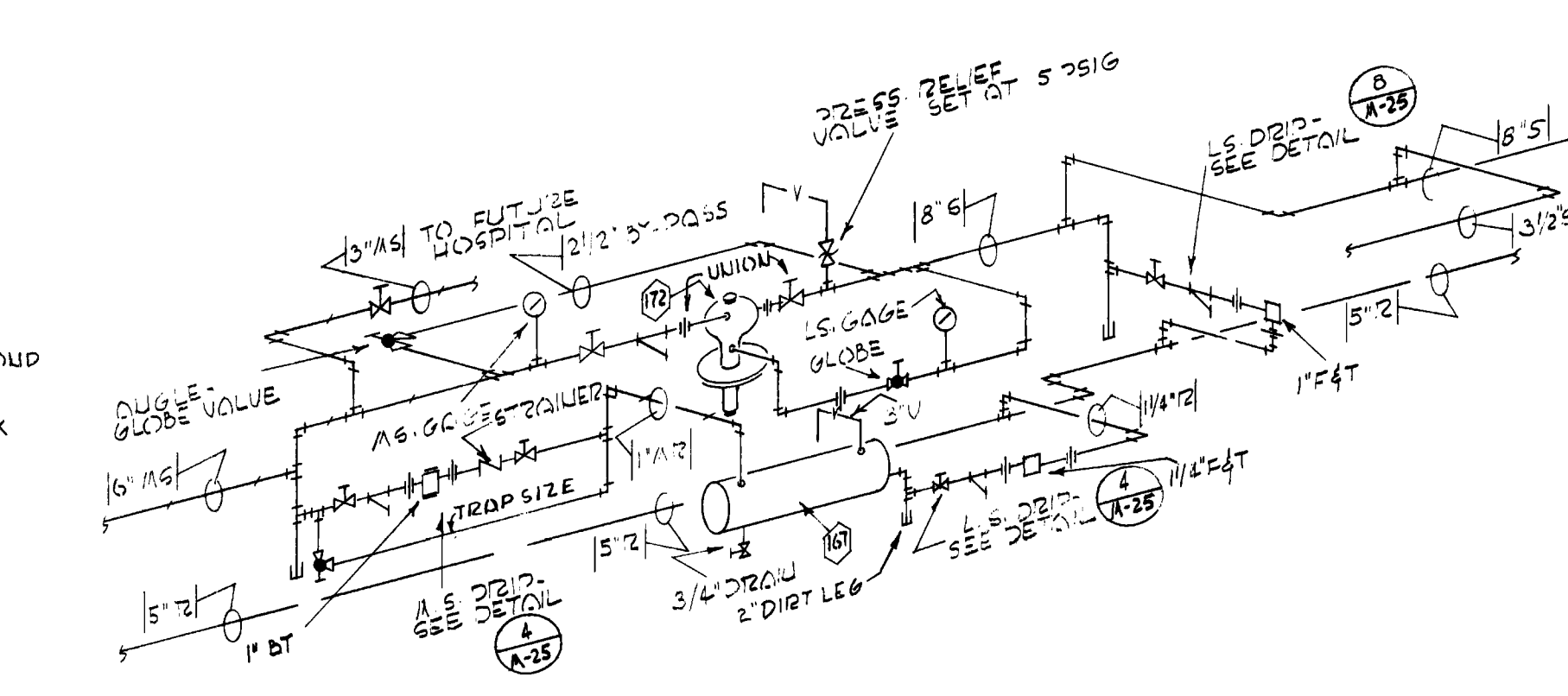
PRESSURE REDUCING STATION PIPING DIAGRAM
NO SCALE



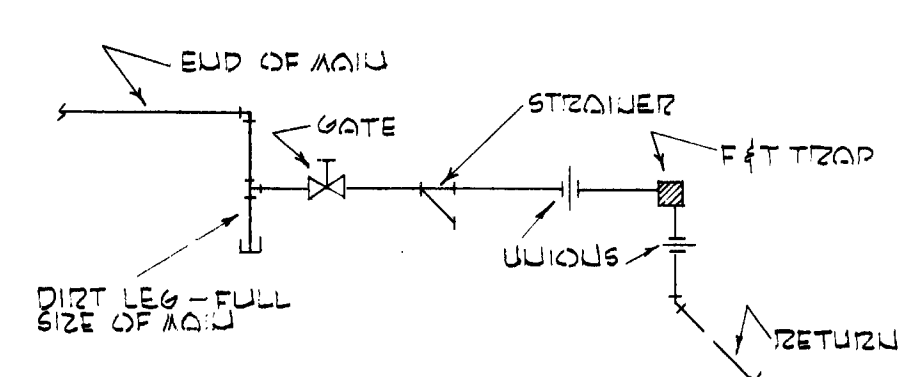
CONVERTER PIPING DIAGRAM
NO SCALE



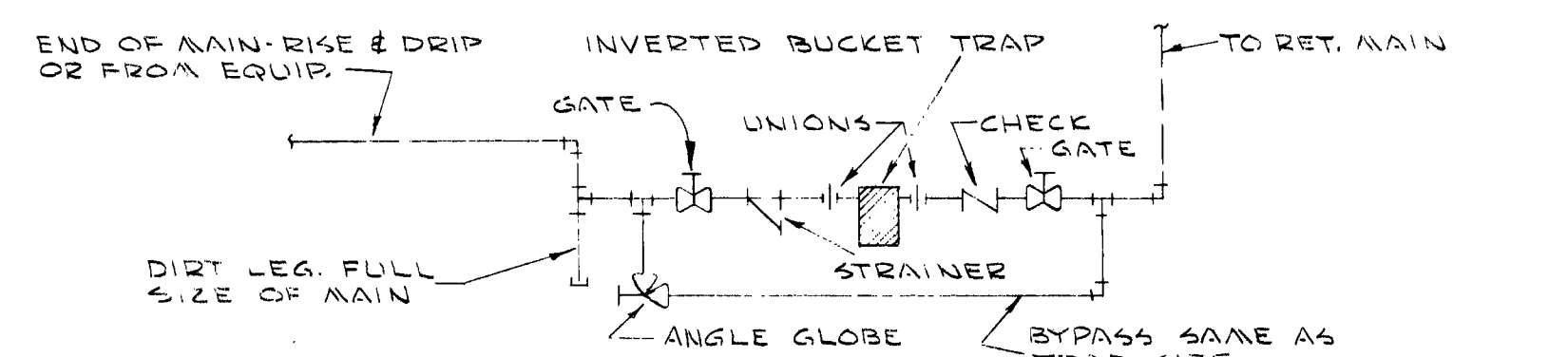
BASEMENT PLAN
SCALE 1/8" = 1'-0"



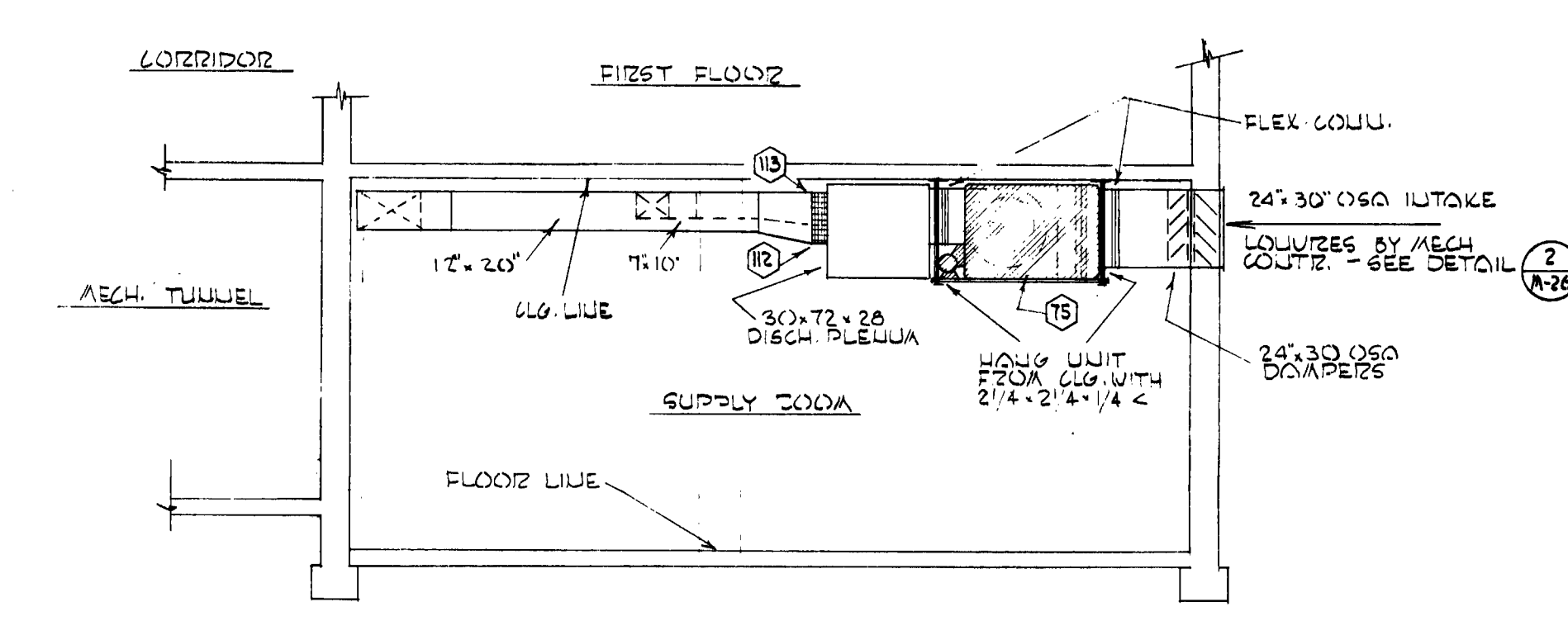
PRESSURE REDUCING STATION PIPING DIAGRAM
NO SCALE



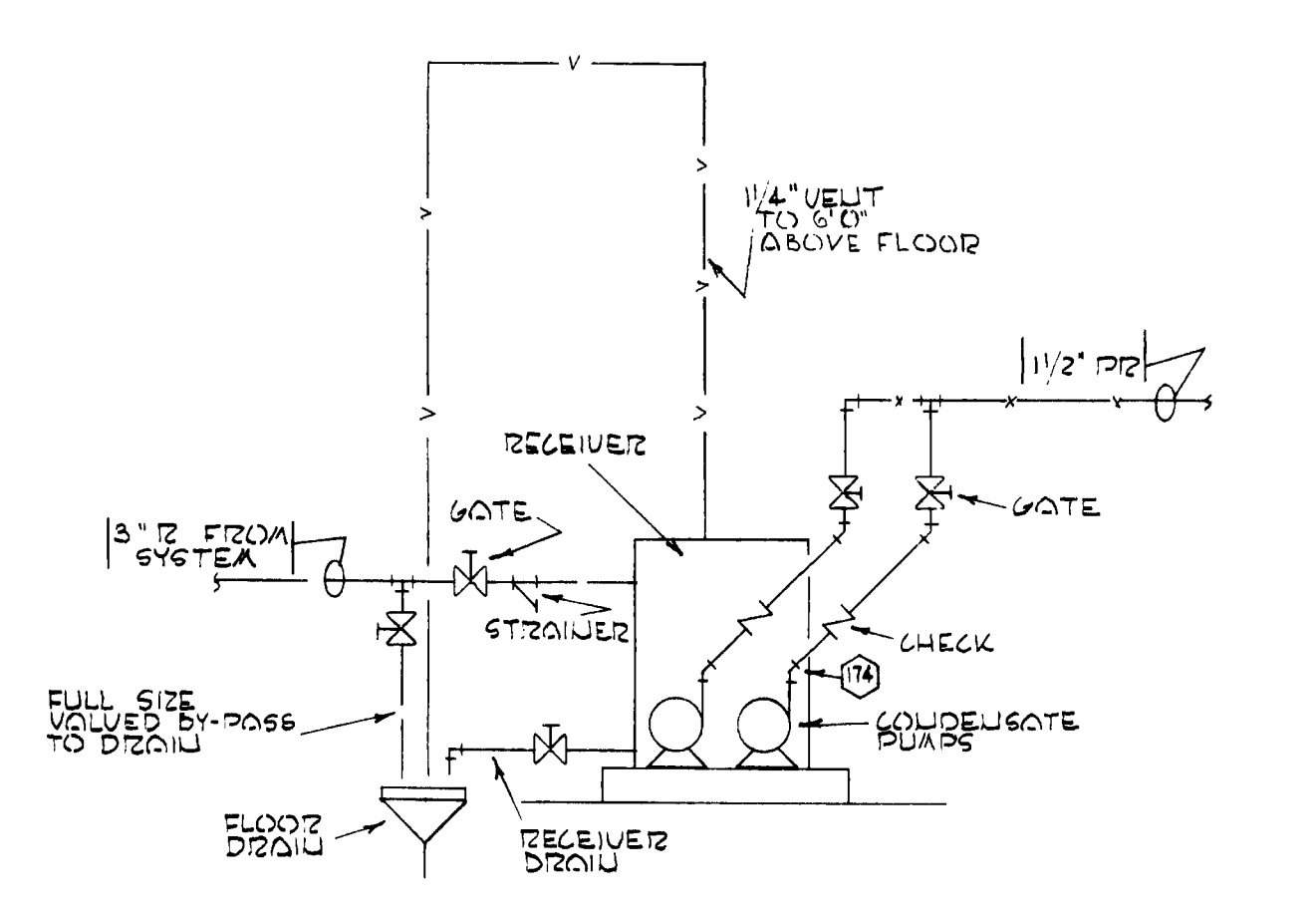
PIPING DIAGRAM
LOW PRESSURE DRIP
NO SCALE



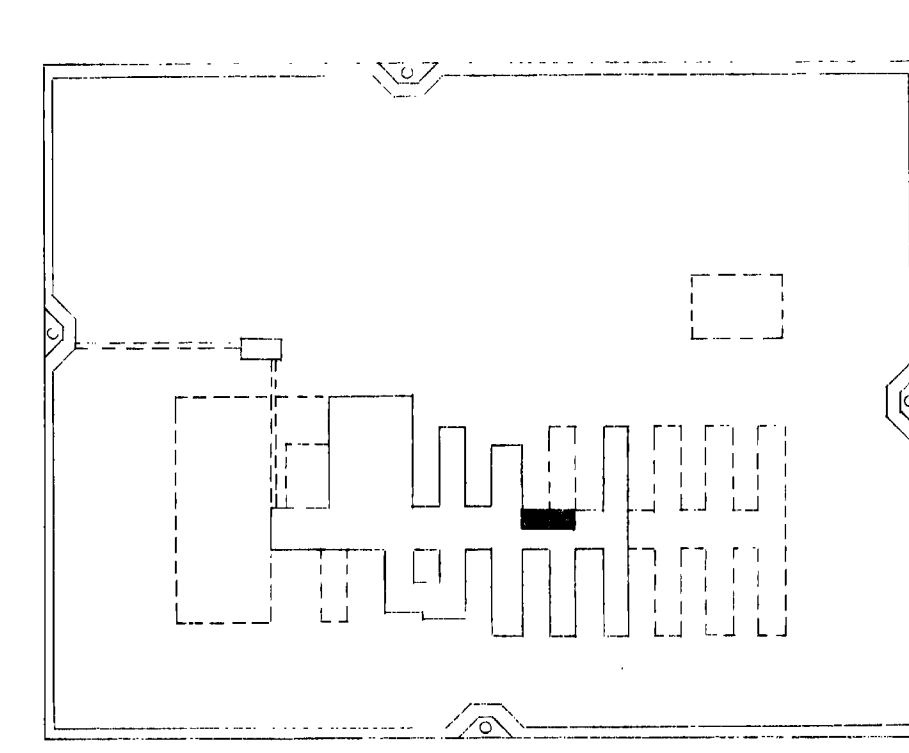
PIPING DIAGRAM
MEDIUM & HIGH PRESSURE DRIP
NO SCALE



SECTION "JJ"
SCALE 1/4" = 1'-0"



CONDENSATE PUMP PIPING DIAGRAM
NO SCALE



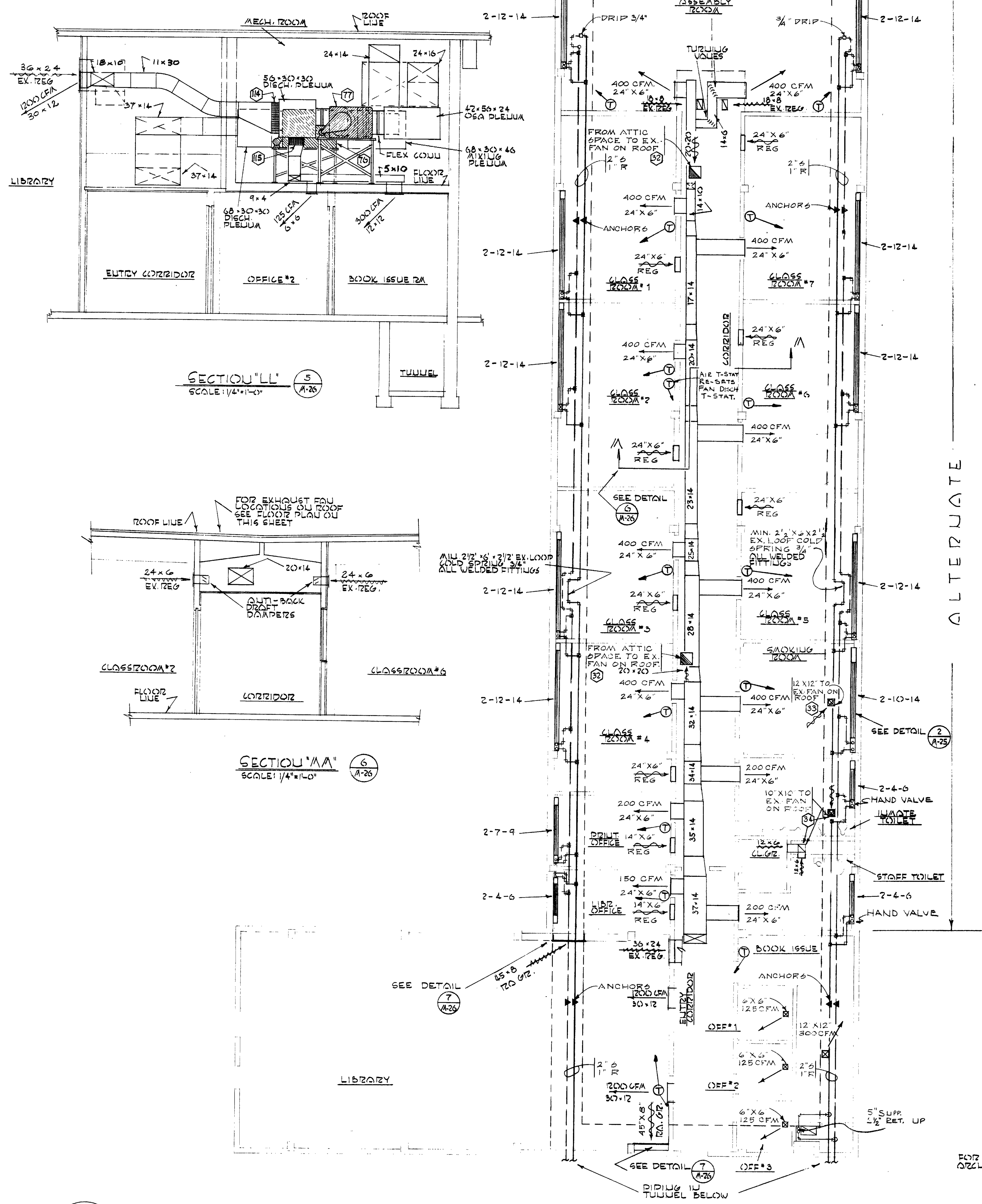
KEY PLAN



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NO.	DATE	REVISIONS
(A)	JUNE 18, 1958	REVISION OF DENTAL CLINIC - CHANGE ORDER # 7

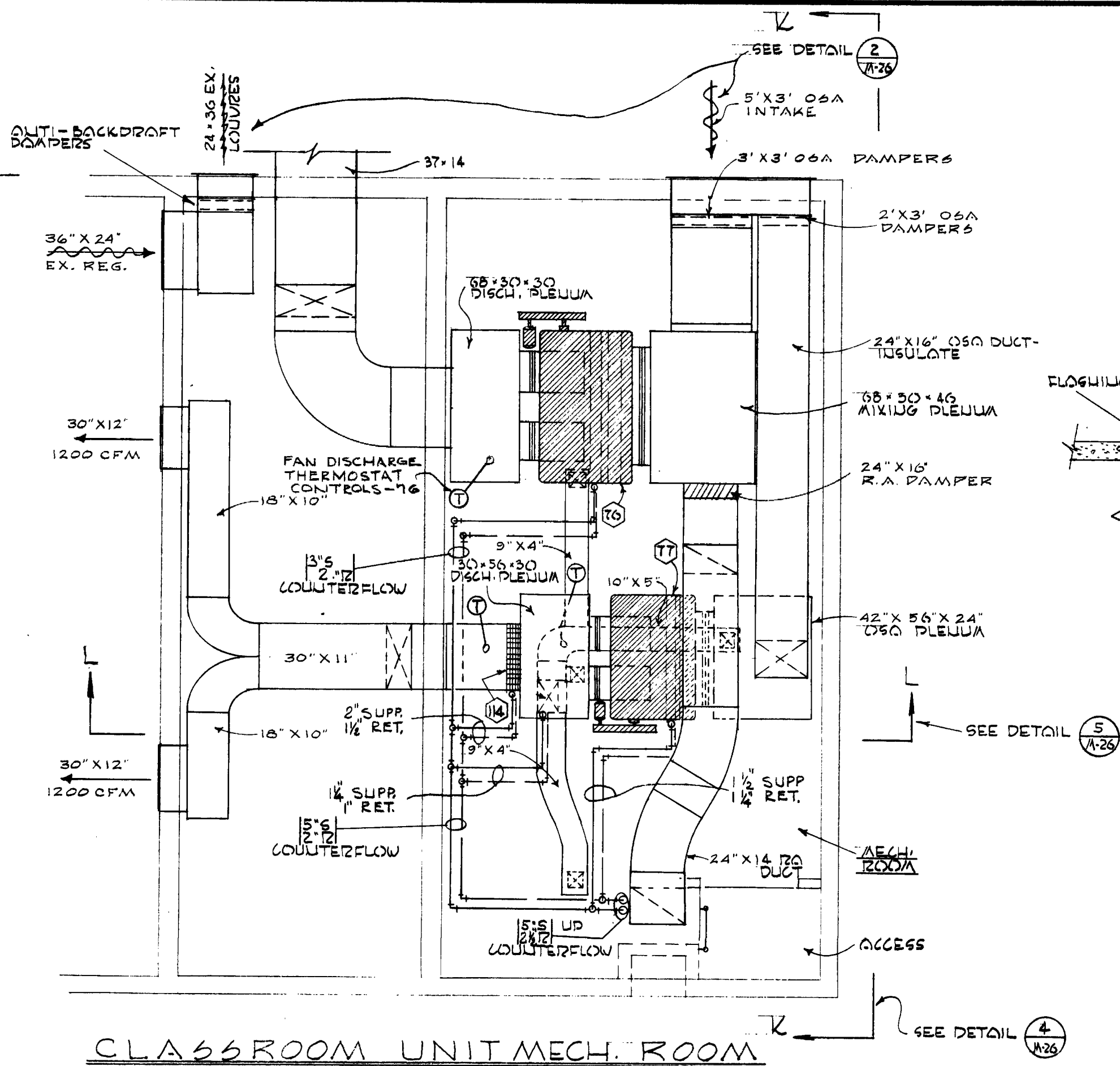
O.S.C.I. 556-07
HEATING & VENT.
UNIT # 6
PLANS & DETAILS
ANNAND, BOONE & LEI
ARCHITECTS
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SECTION 'LL' SCALE: 1/4" = 1'-0" (A-25)

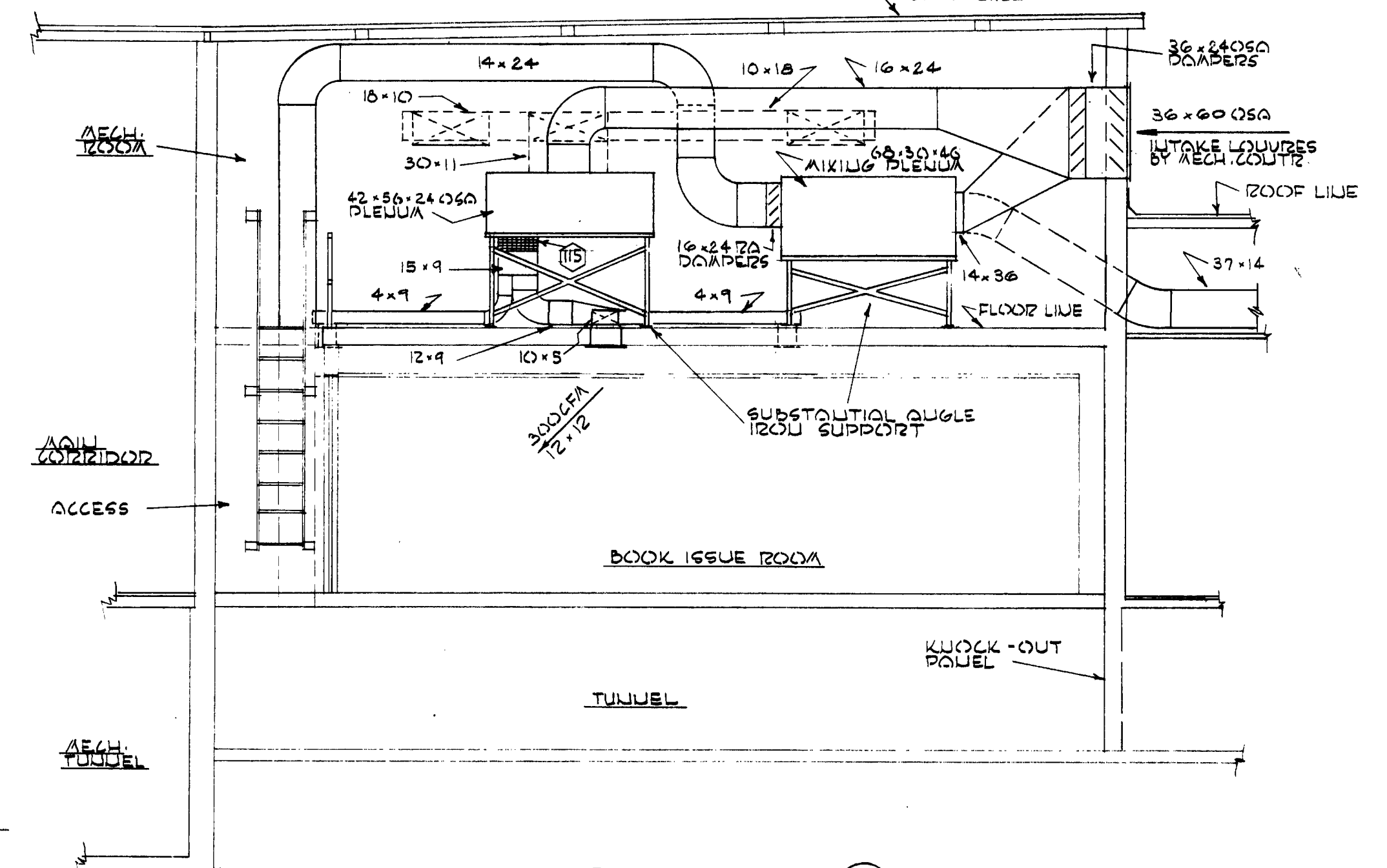
SECTION 'AA' SCALE: 1/4" = 1'-0" (A-25)

UNIT #7 HEATING AND VENTILATING PLAN SCALE: 1/8" = 1'-0"



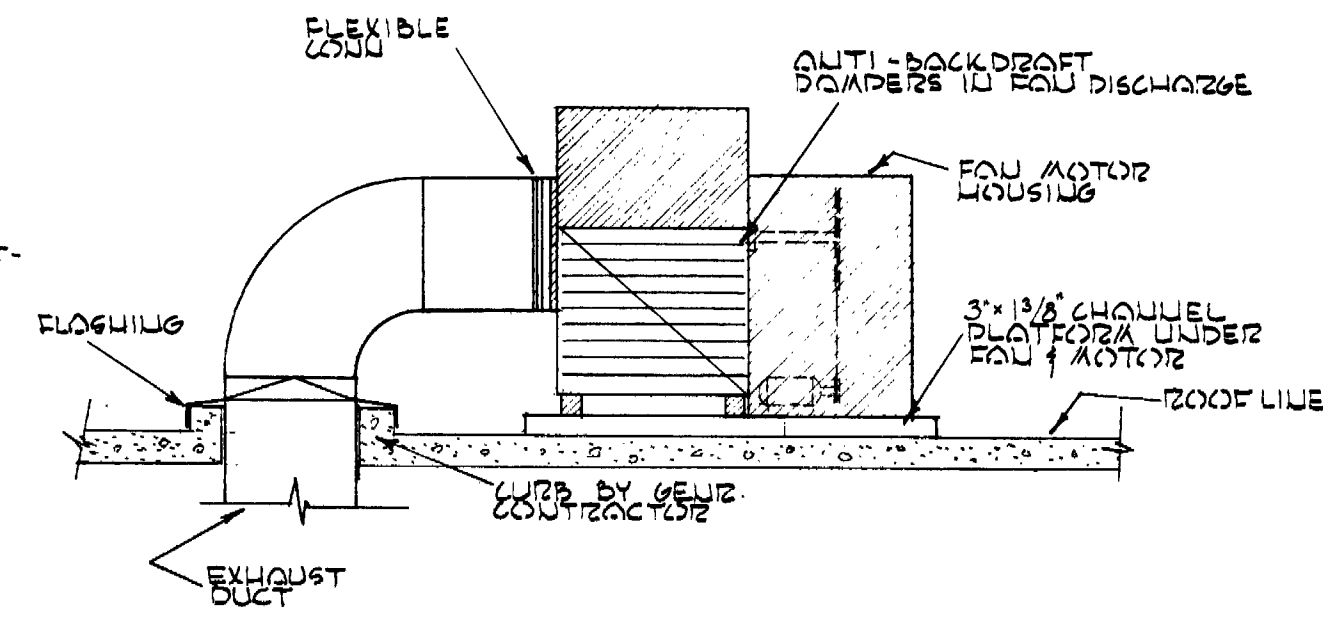
CLASSROOM UNIT MECH. ROOM SCALE: 1/4" = 1'-0"

NOTE: FOR PIPE SIZES TO INDIVIDUAL COILS SEE INT. COIL SCHEDULE & H.V. UNIT SCHEDULE ON SHEET A-33

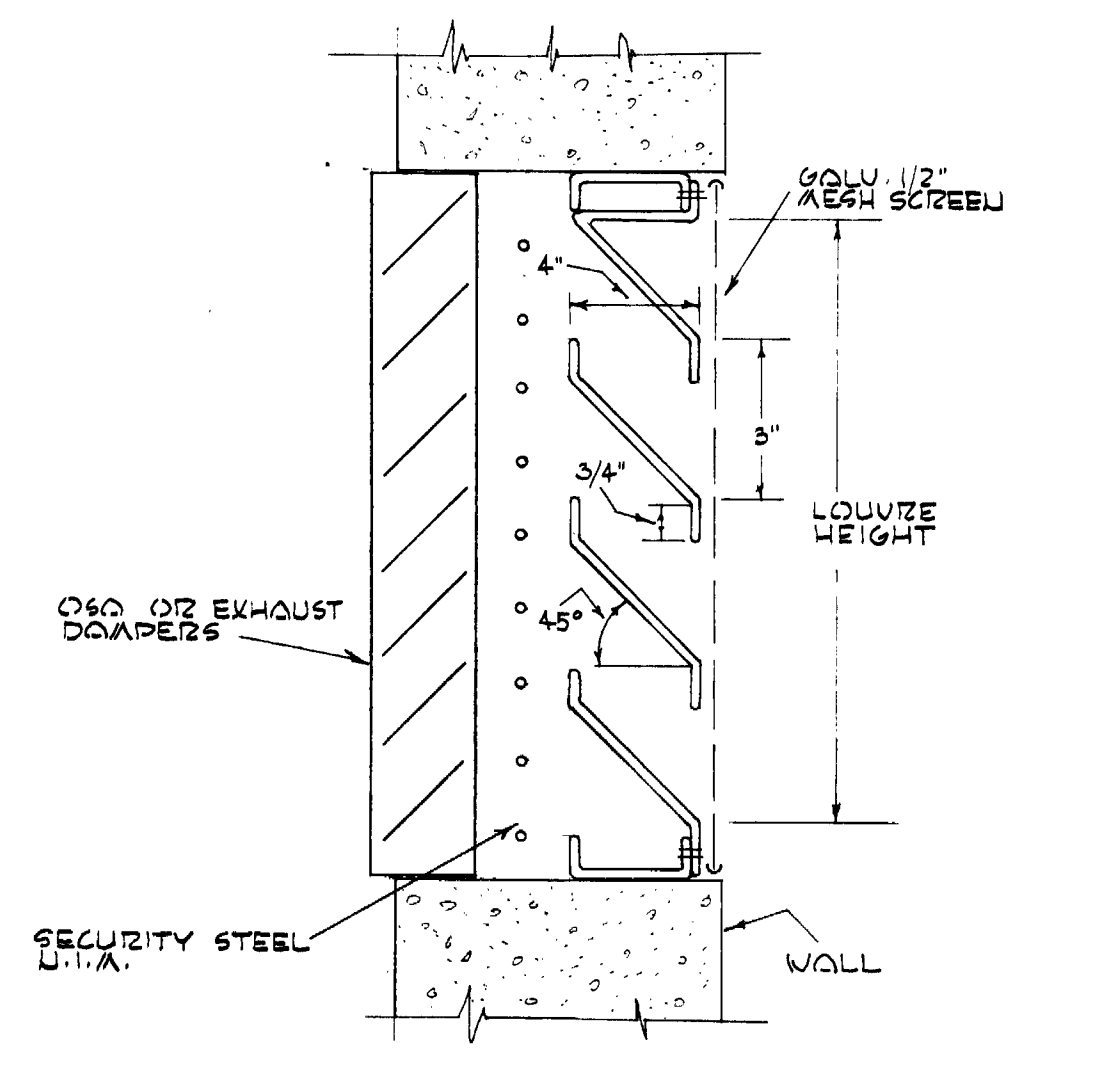


SECTION 'KK' SCALE: 1/4" = 1'-0" (A-25)

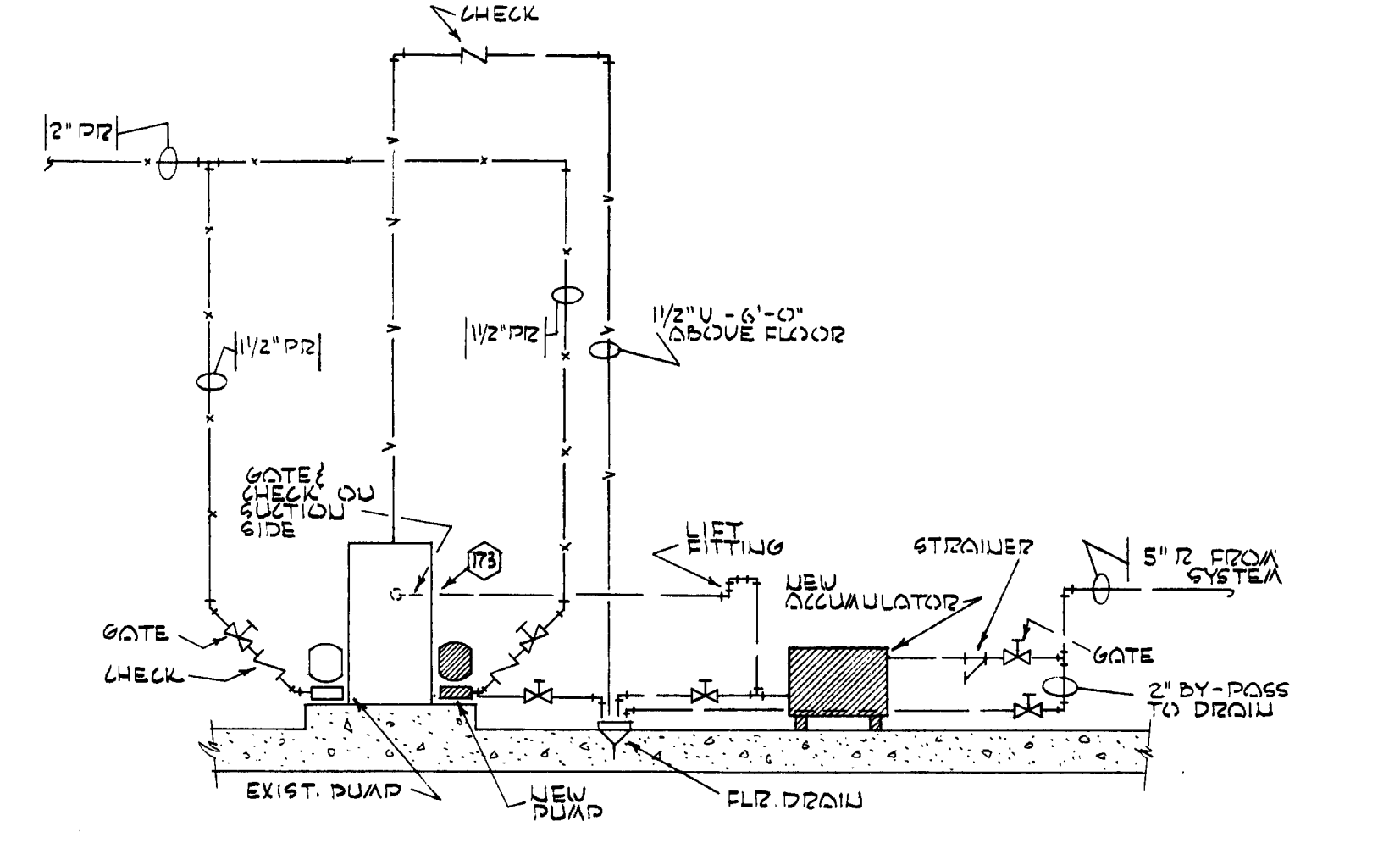
RA FROM LIBRARY DETAIL NO SCALE (A-25)



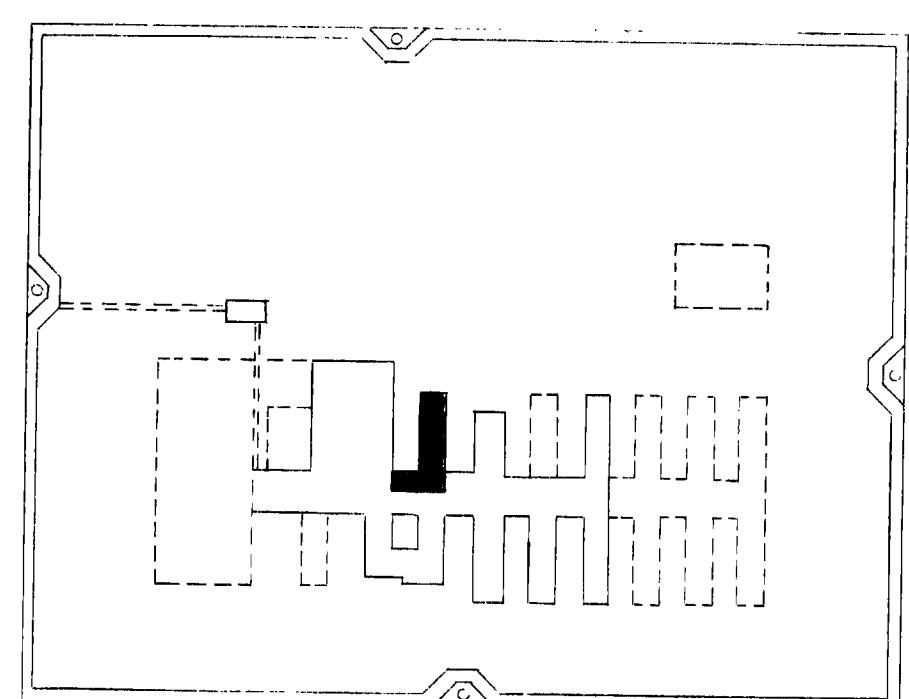
TYPICAL EXHAUST FAN DETAIL NO SCALE (A-25)



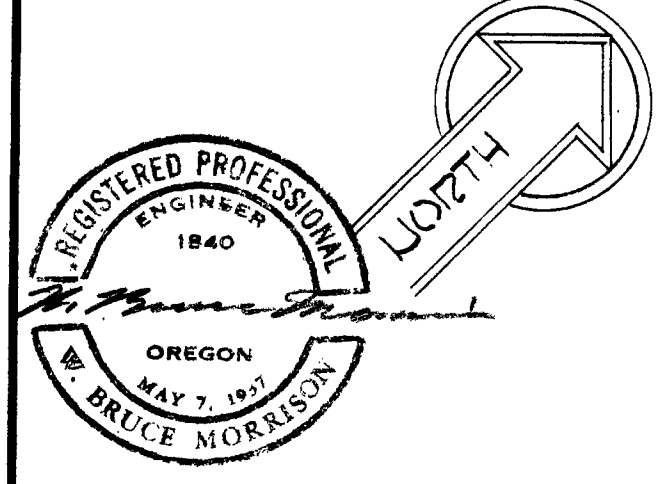
WALL LOUVER DETAIL NO SCALE (A-25)



VACUUM PUMP PIPING DIAGRAM NO SCALE (A-25)



KEY PLAN

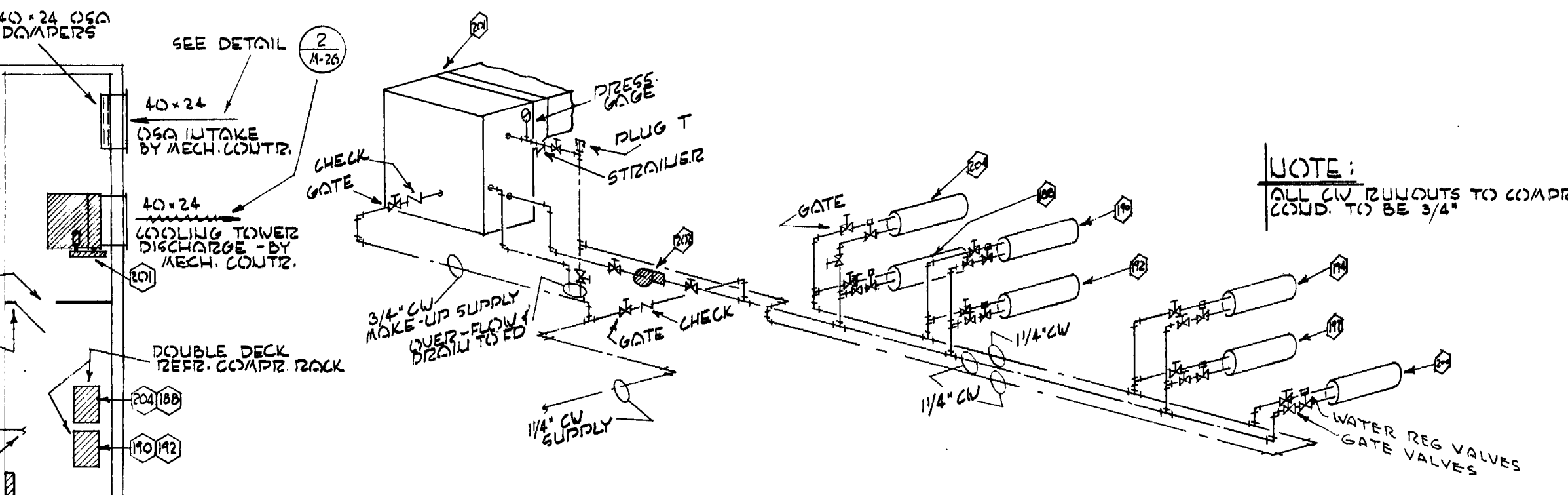
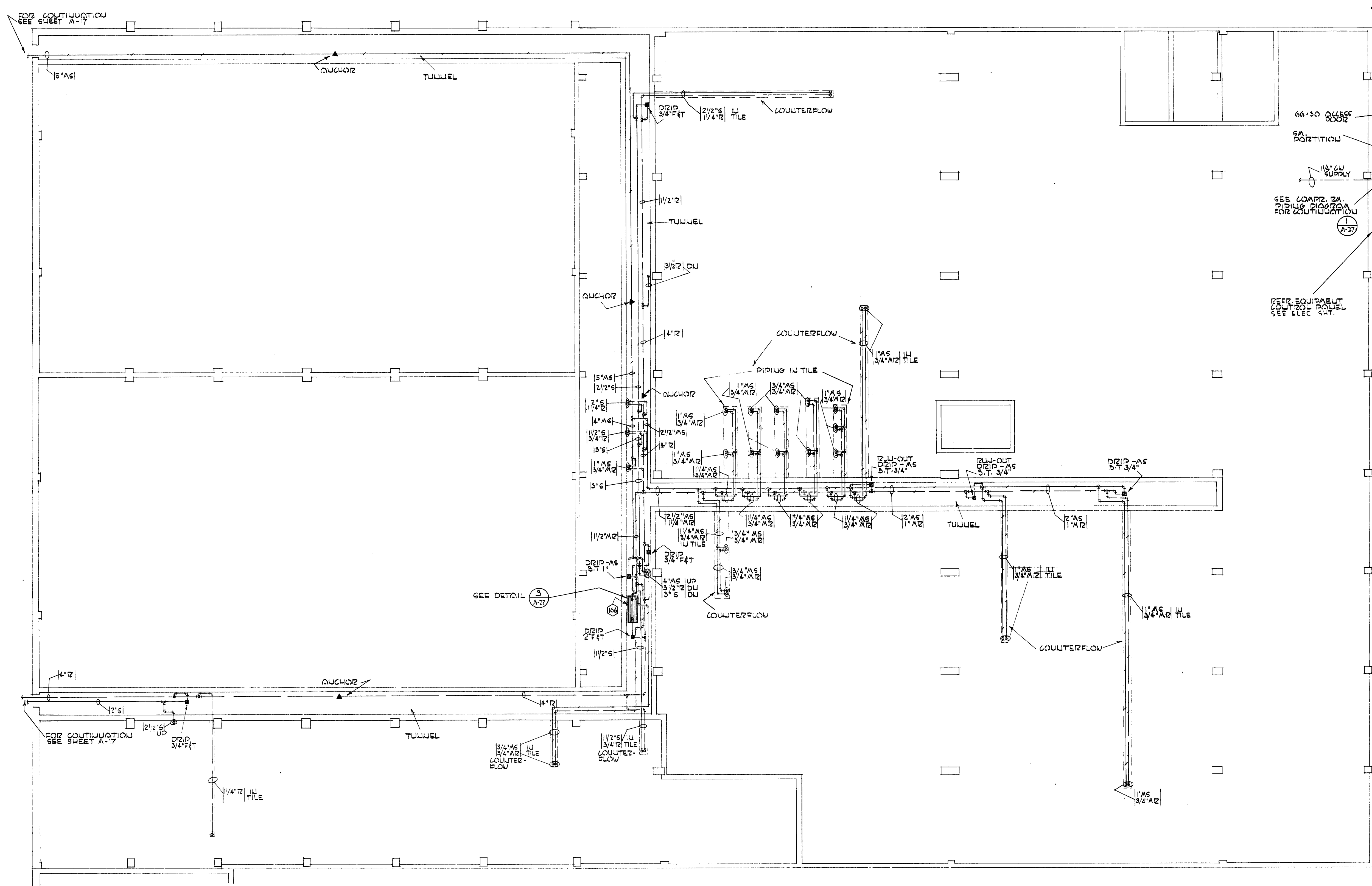


OREGON STATE CORRECTIONAL INSTITUTION - SALEM, OREGON

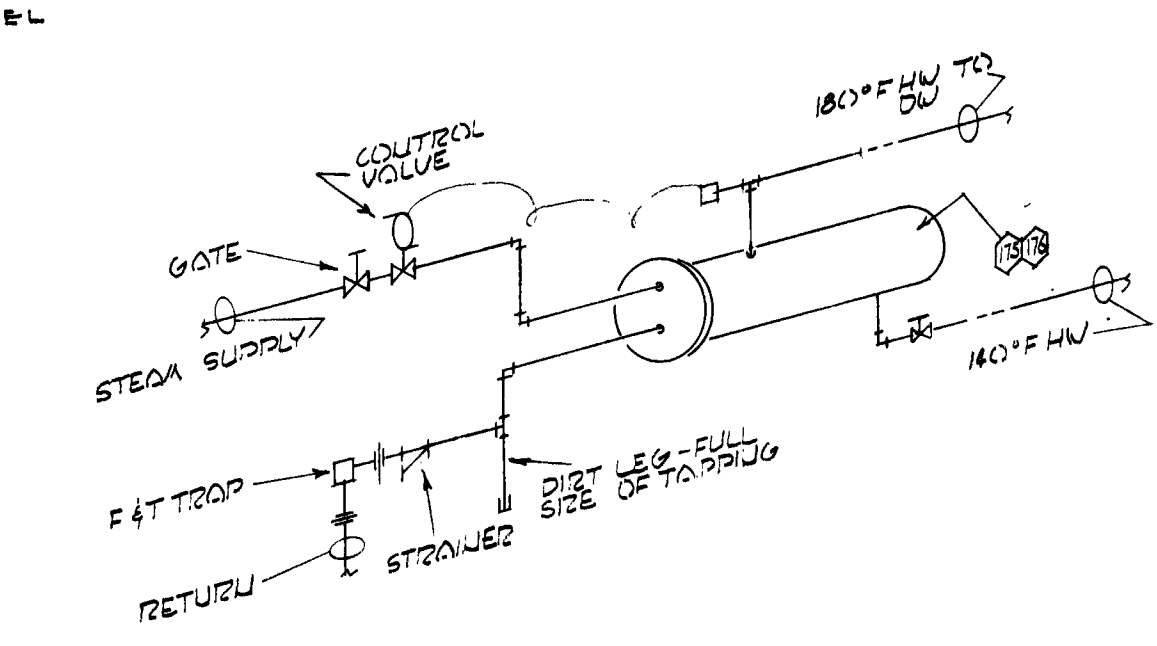
DRAWN: CHECKED: DATE: JULY 22, 1987.

NO.	DATE	REVISIONS

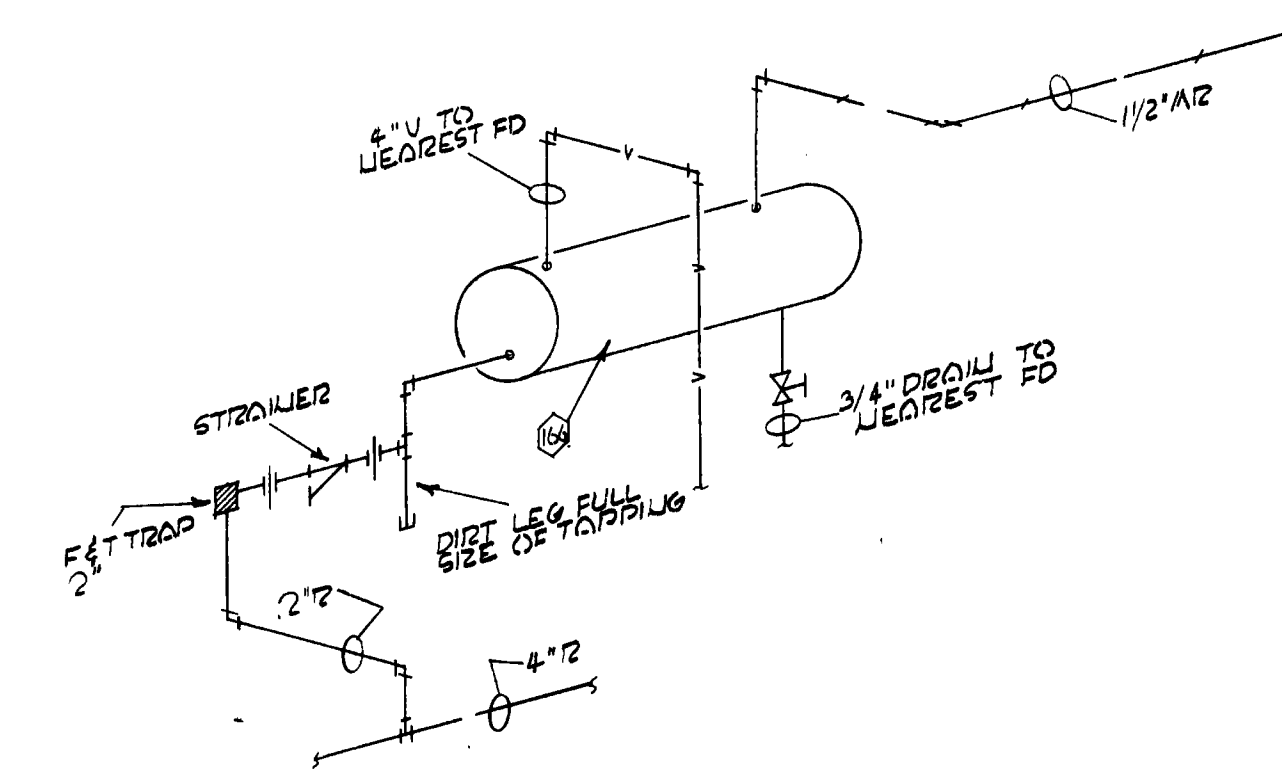
O. S. C. I. 556-07
 HEATING & VENT UNIT # 7 PLANS & DETAILS
 ANNAND, BOONE & LEI ARCHITECTS
 126 OF 135



COMPRESSOR ROOM PIPING DIAGRAM (1)
NO SCALE

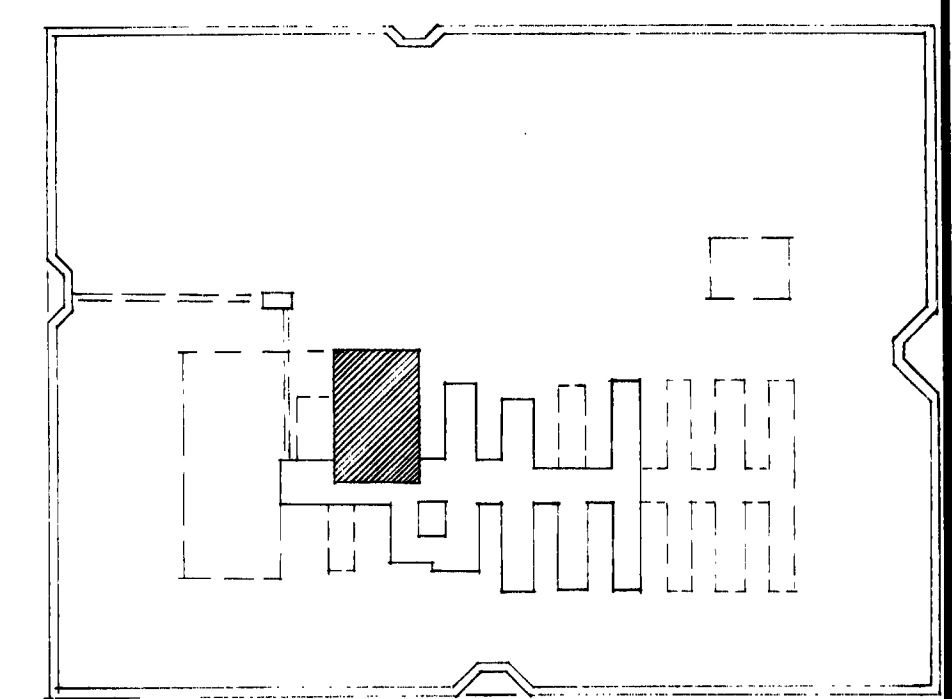
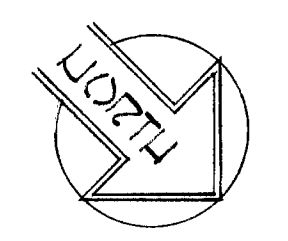


D.W. BOOSTER STEAM PIPING DIAGRAM (2)
NO SCALE



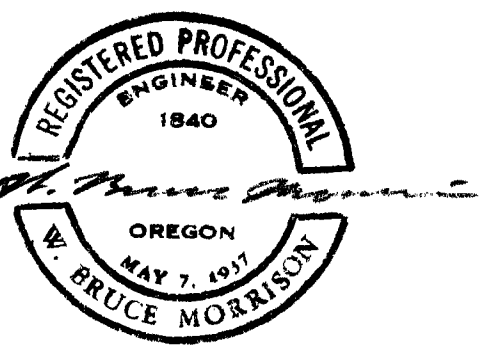
FLASH TANK PIPING DIAGRAM (3)
NO SCALE

UNIT #8 FOUNDATION PLAN
SCALE: 1/8"=1'-0"



KEY PLAN

O. S. C. I. 556-07
HEATING & VENT
UNIT # 8
PLAN & DETAILS

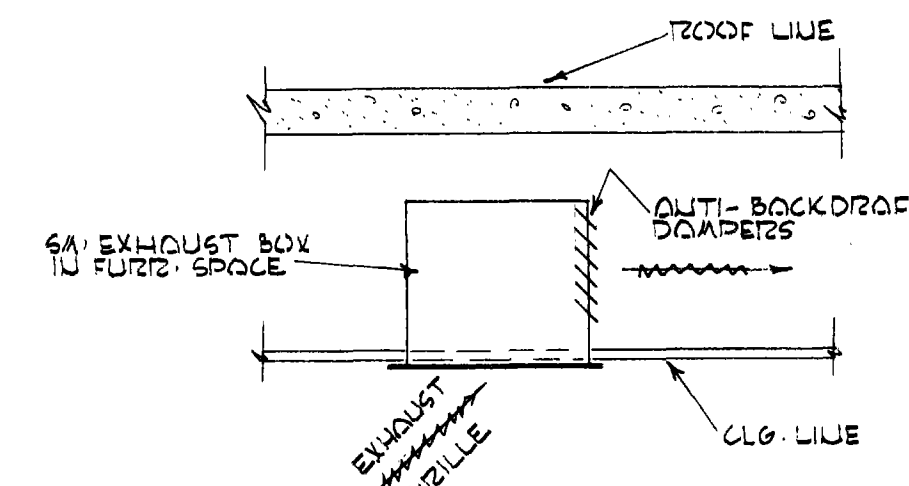
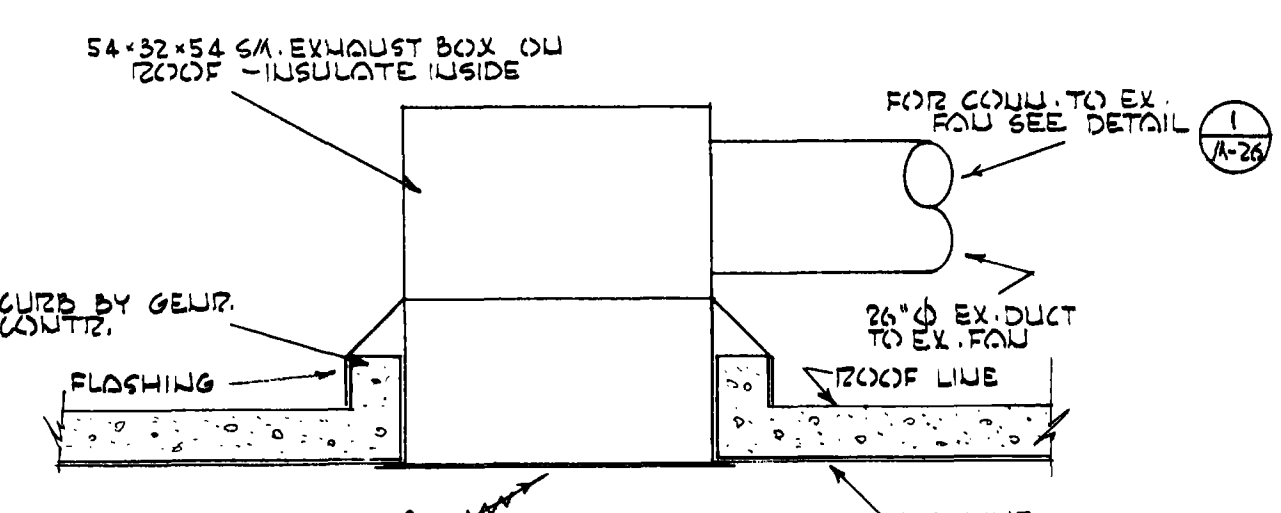
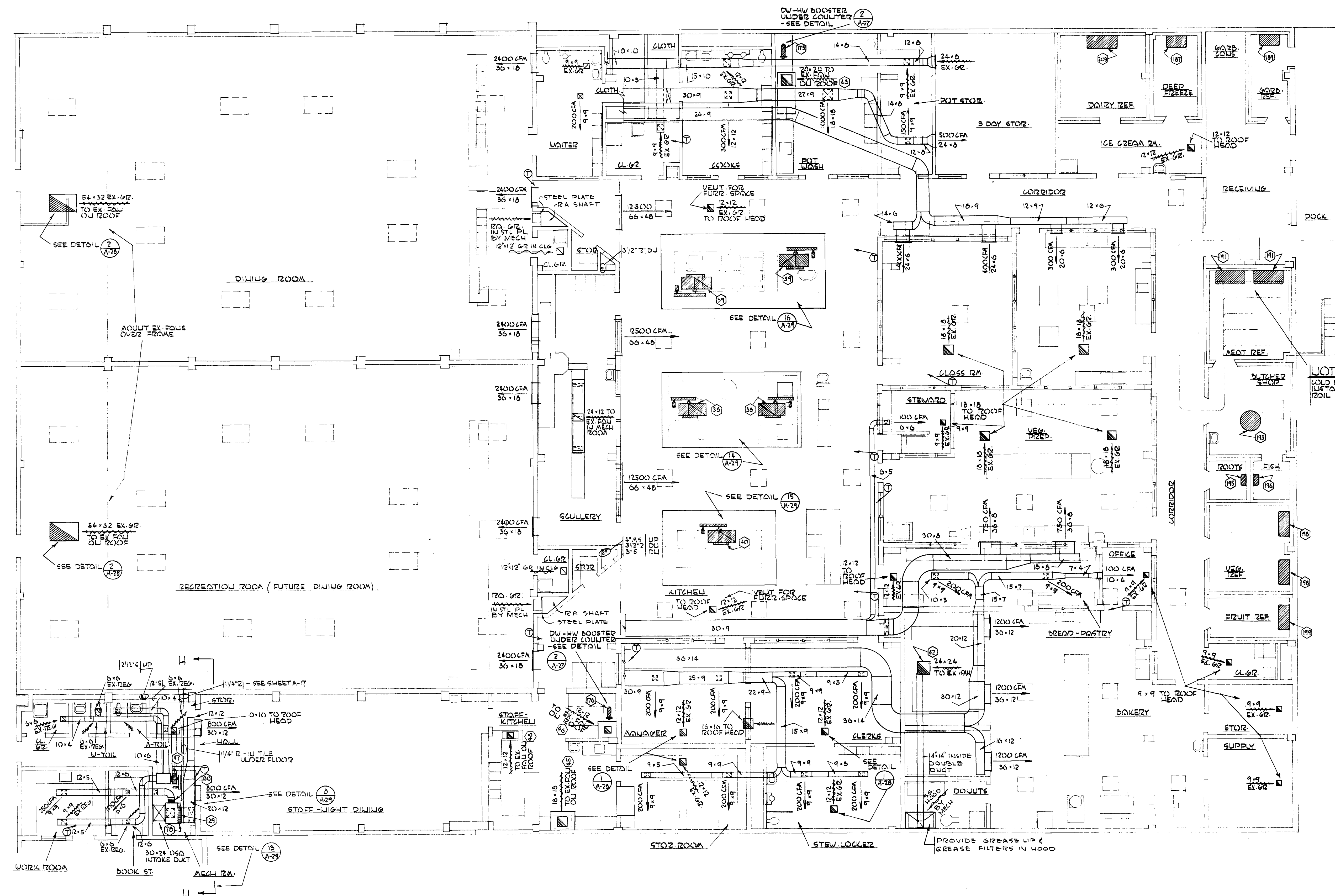


OREGON STATE CORRECTIONAL INSTITUTION - SALEM, OREGON

DRAWN: J.A. CHECKED: DATE: JULY-22-1957.

NO.	DATE	REVISIONS

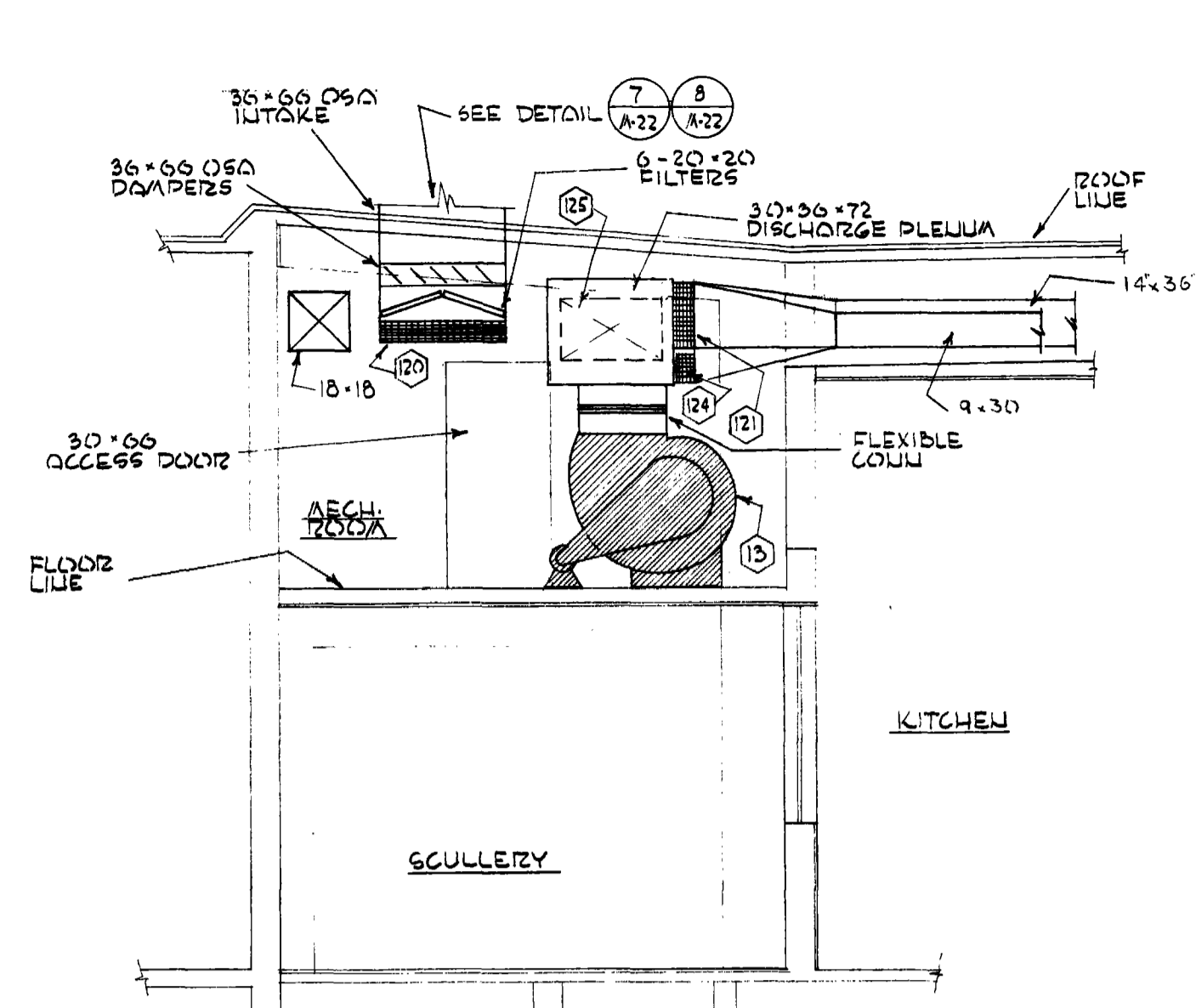
ANNAND, BOONE & LEI
ARCHITECTS
O. S. C. I. 556-07



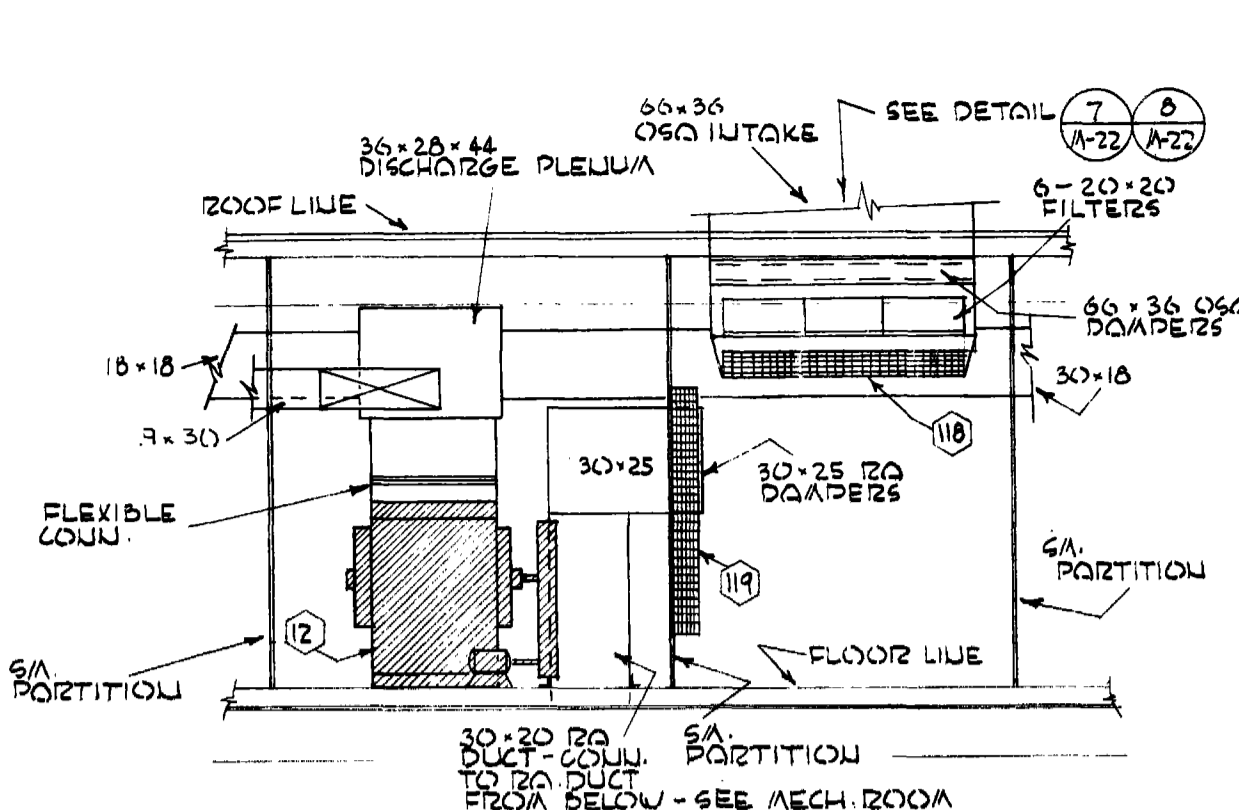
OREGON STATE CORRECTIONAL INSTITUTION SALEM, OREGON.

NO.	DATE	REVISIONS

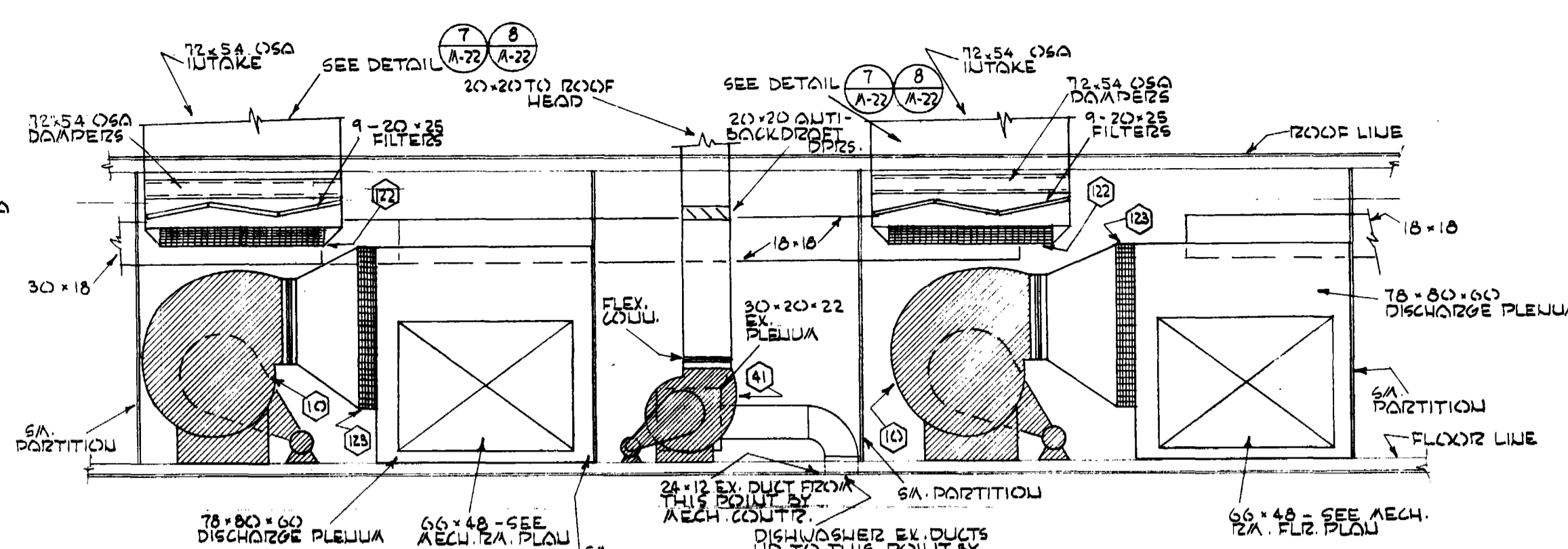
ANNAND, BOONE & LEI
ARCHITECTS
1200 S.W. 3rd Ave., Portland 1, Ore.



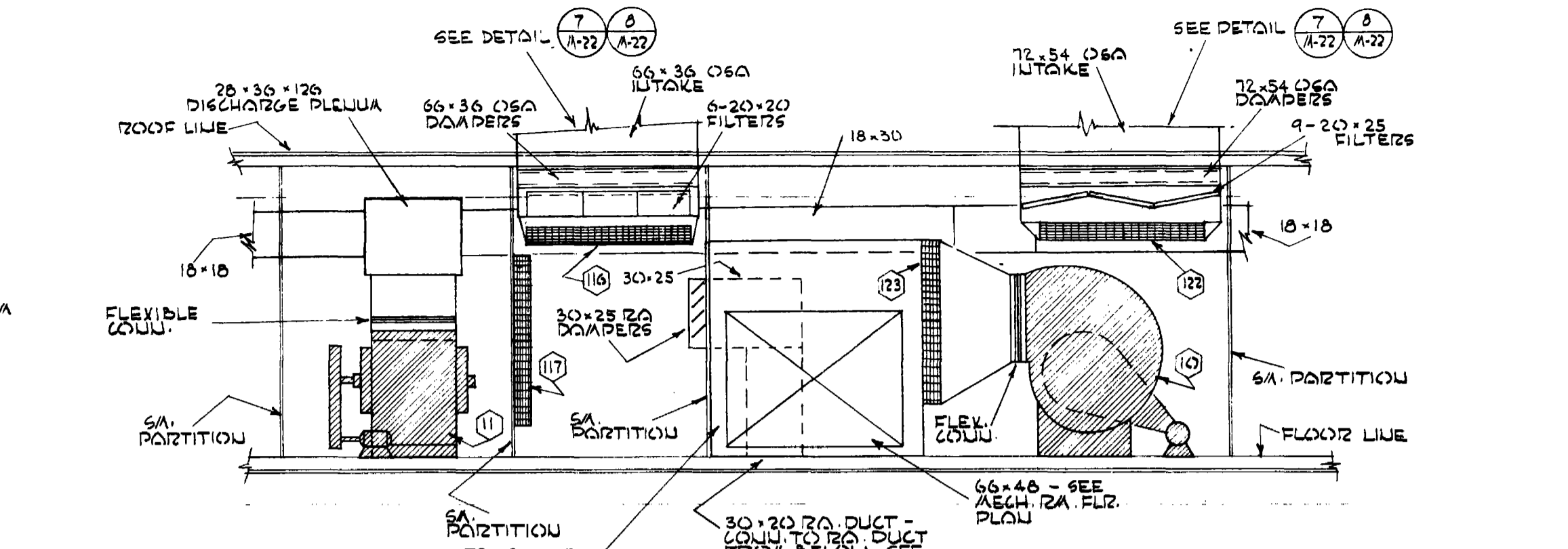
SECTION 'AA' SCALE: 1/4"=1'-0" (A-29)



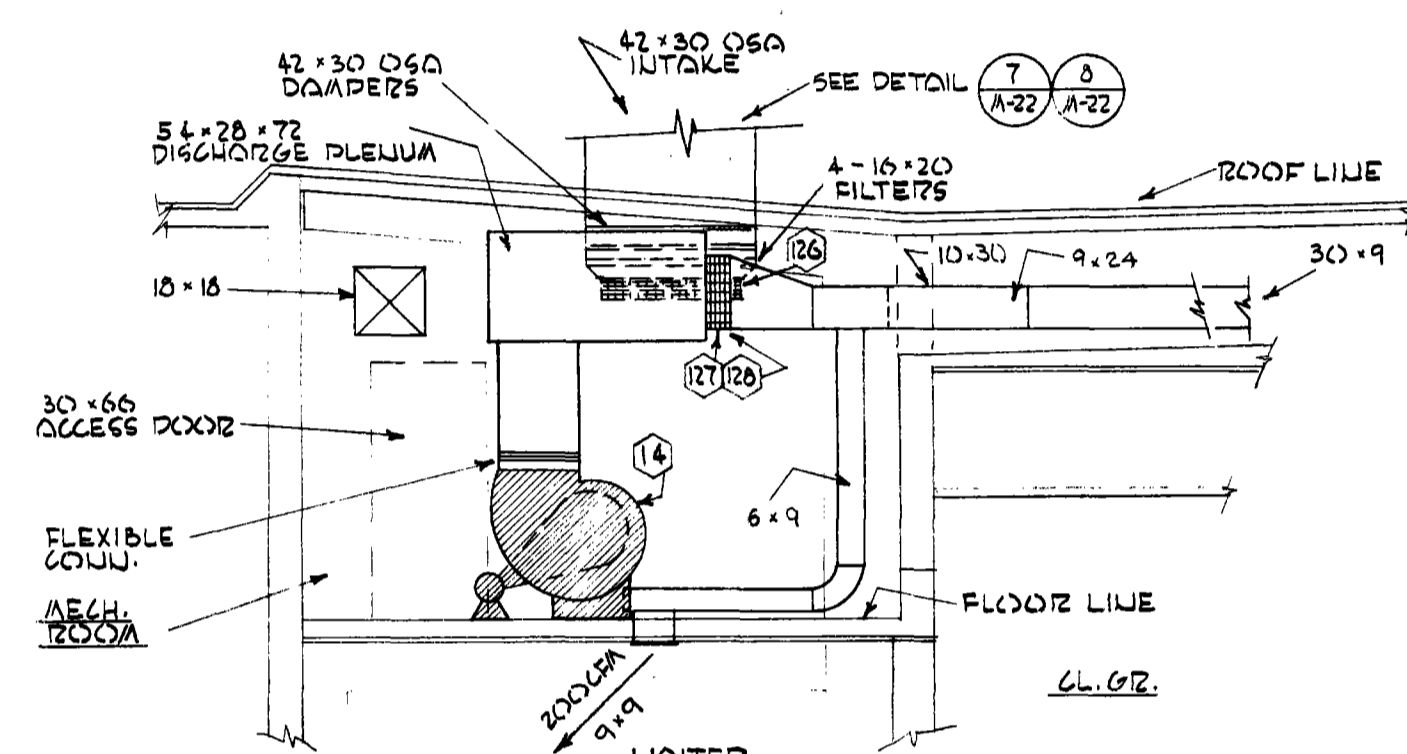
SECTION 'BB' SCALE: 1/4"=1'-0" (A-29)



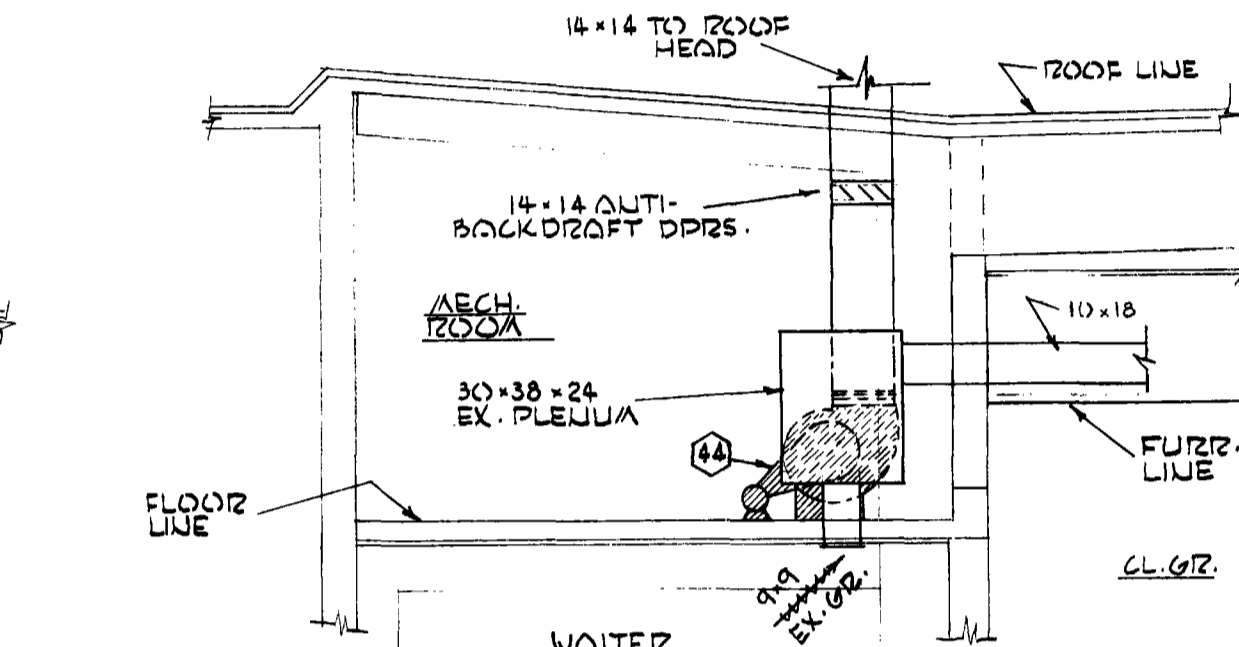
SECTION 'CC' SCALE: 1/4"=1'-0" (A-29)



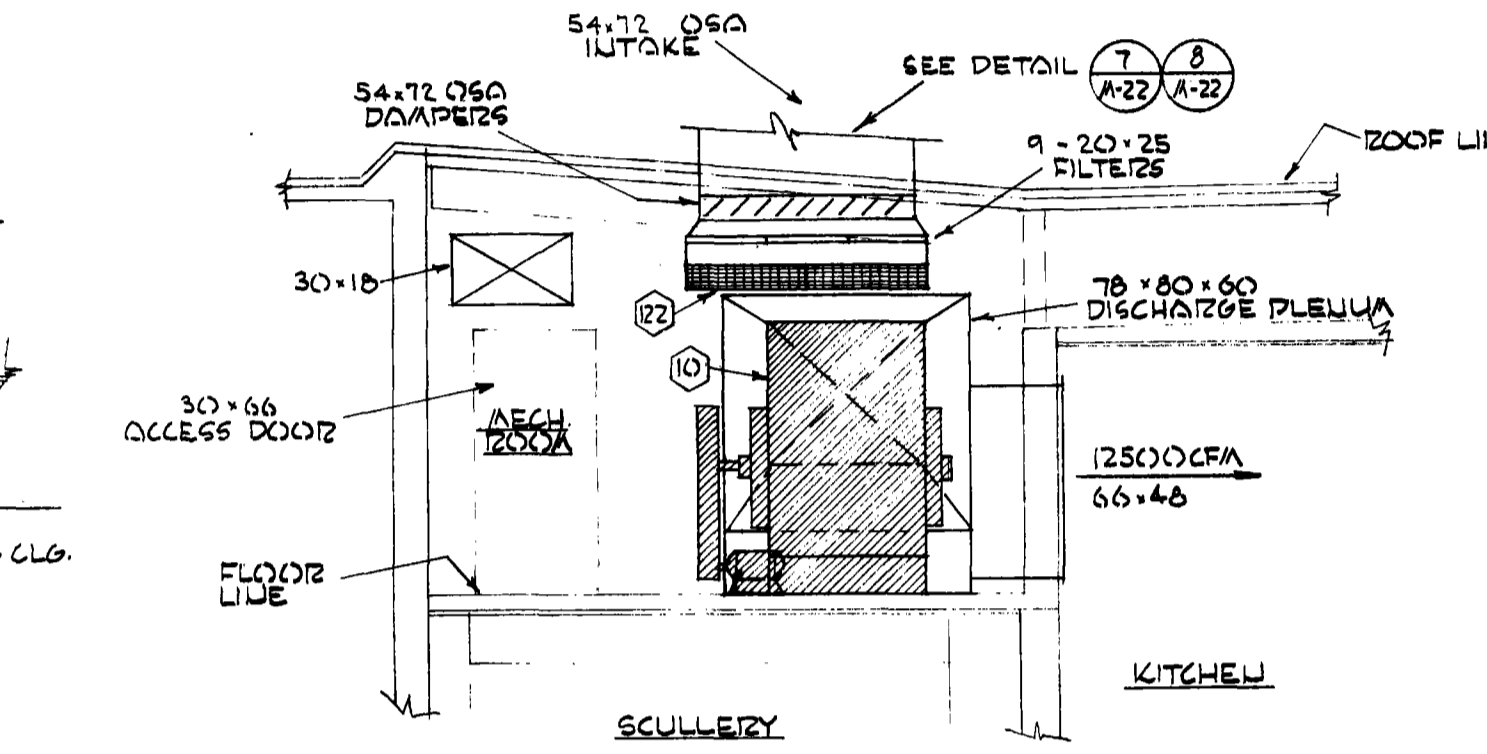
SECTION 'DD' SCALE: 1/4"=1'-0" (A-29)



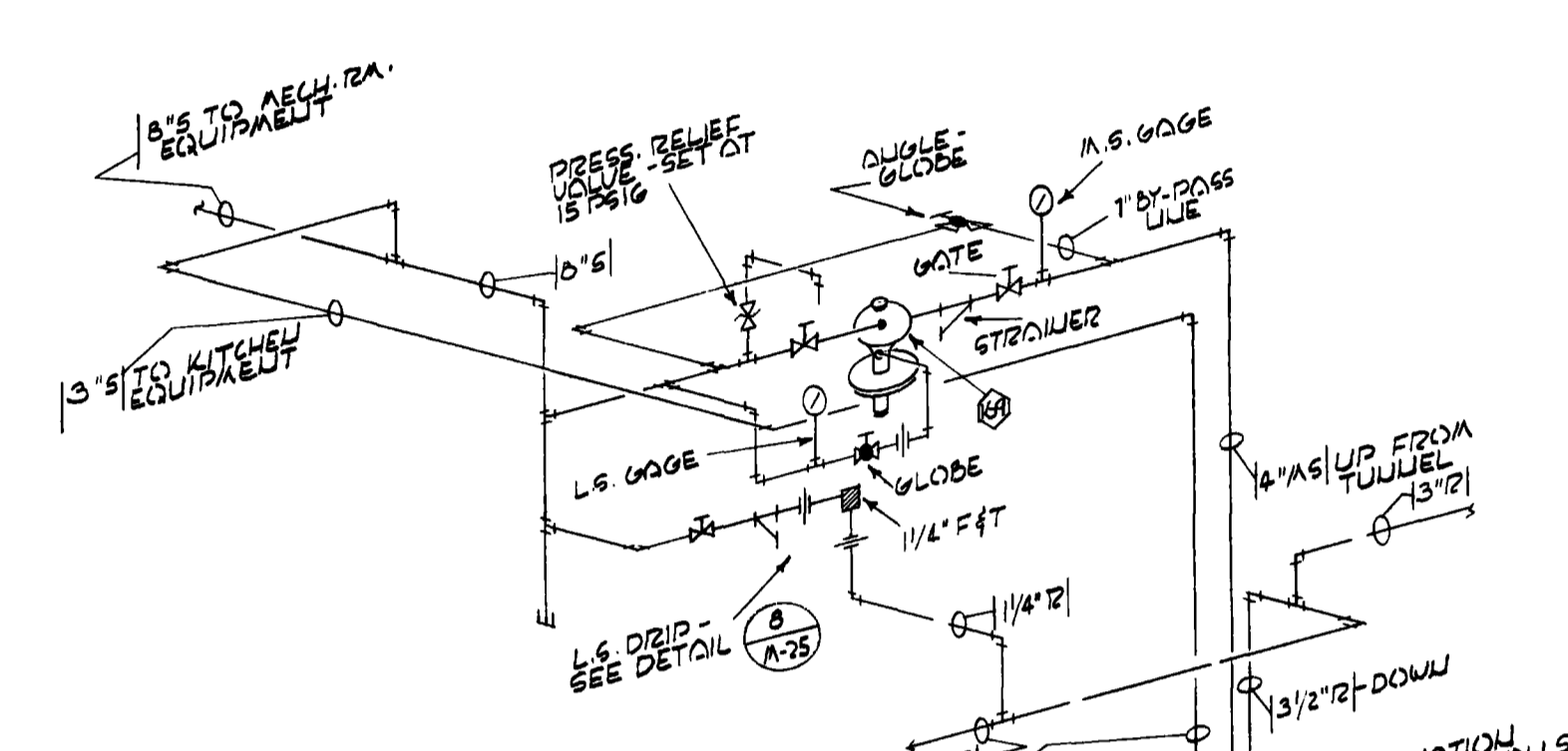
SECTION 'EE' SCALE: 1/4"=1'-0" (A-29)



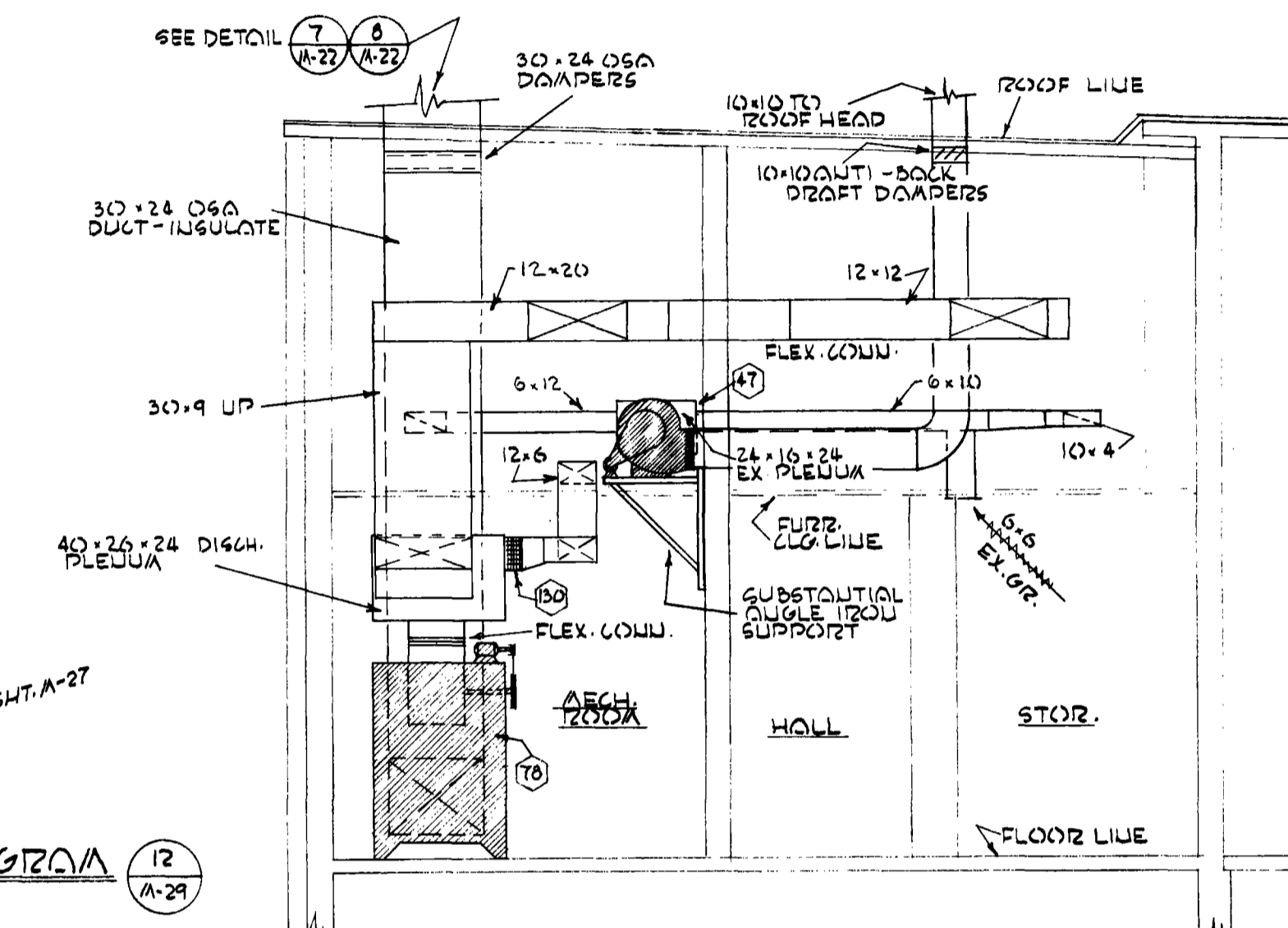
SECTION 'FF' SCALE: 1/4"=1'-0" (A-29)



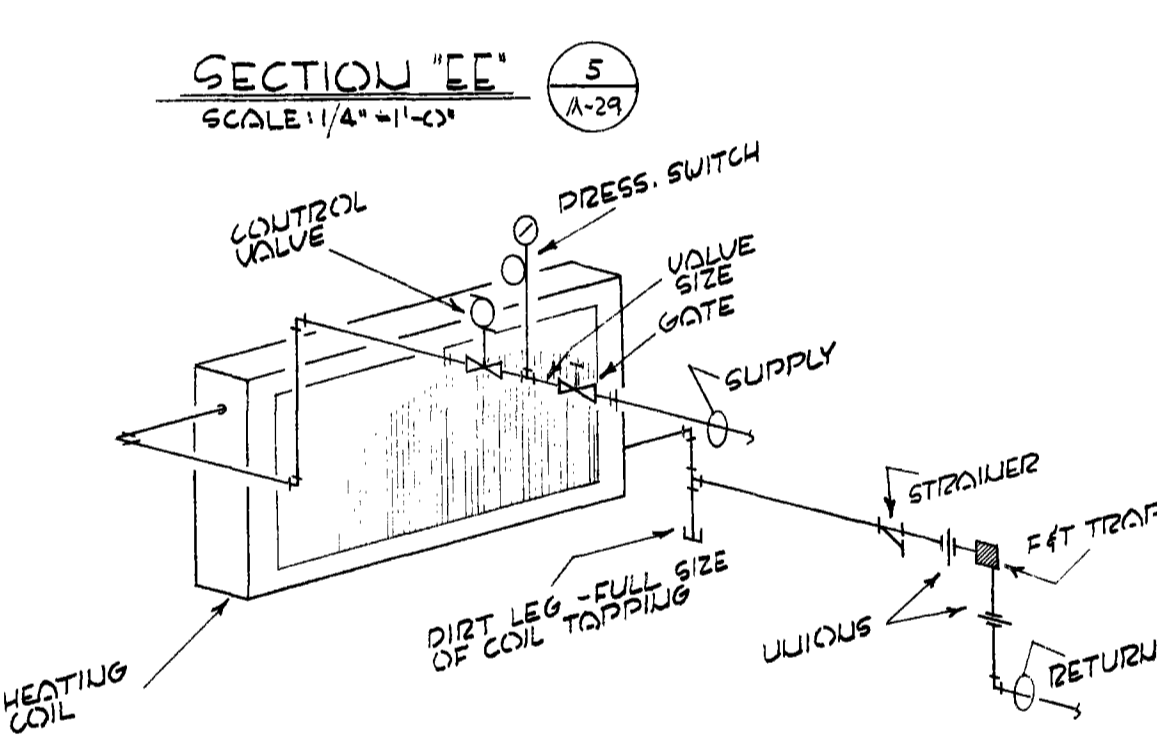
SECTION 'GG' SCALE: 1/4"=1'-0" (A-29)



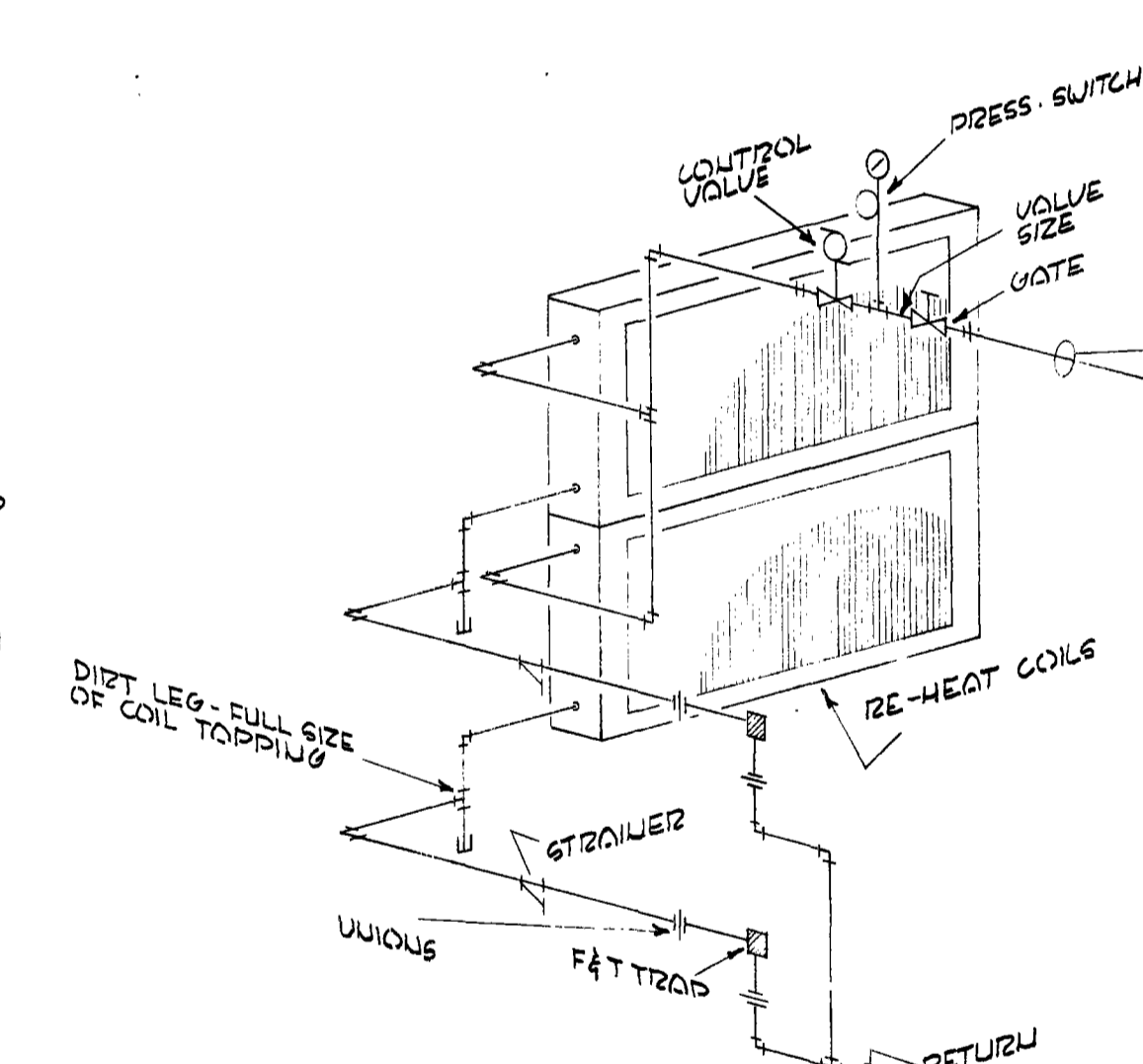
PRESSURE REDUCING STATION IN MECH. RM. PIPING DIAGRAM NO SCALE (A-29)



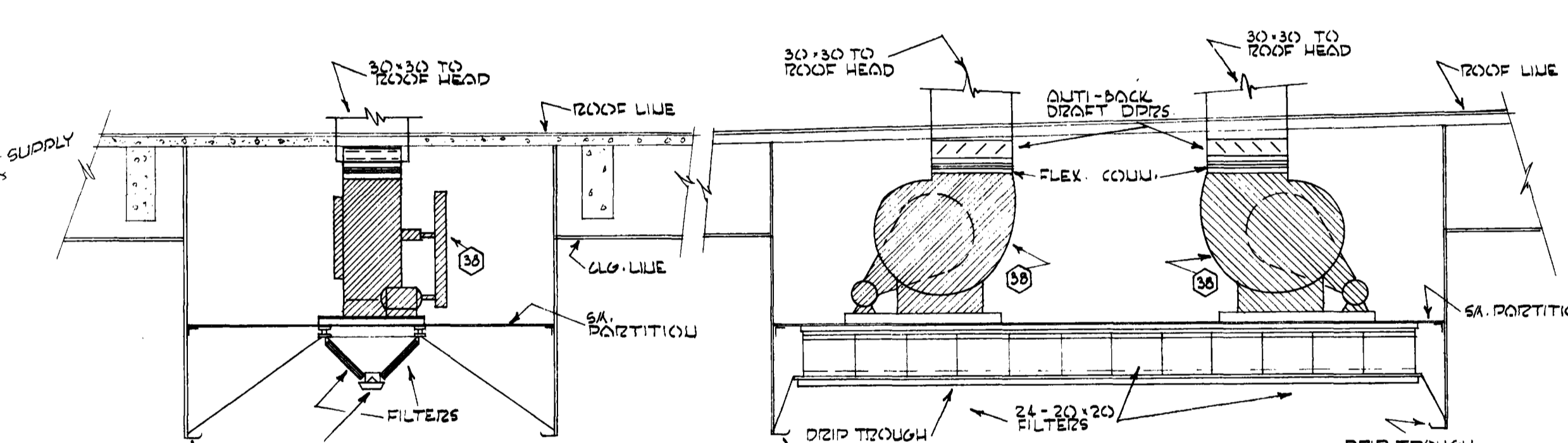
SECTION 'HH' SCALE: 1/4"=1'-0" (A-29)



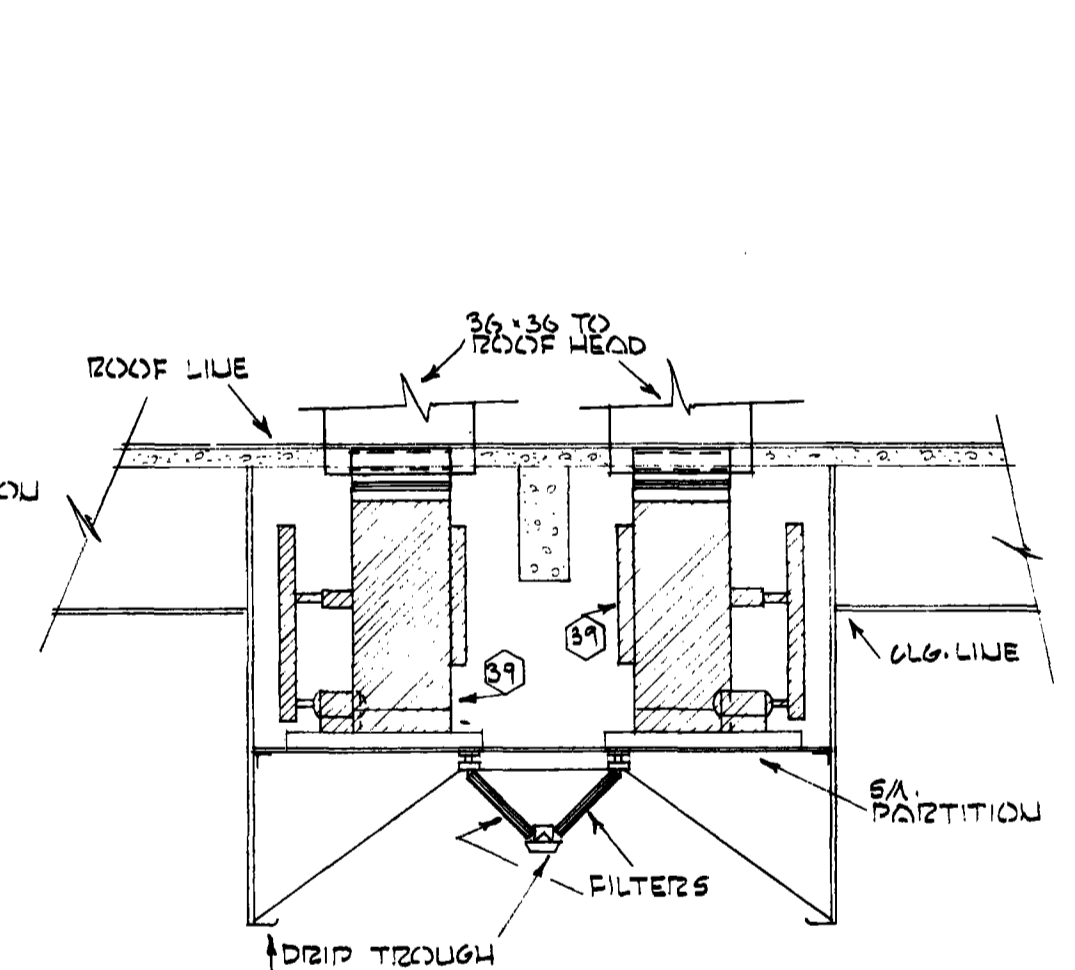
TYPICAL HEATING COIL PIPING DIAGRAM NO SCALE SEE (11)(12)(13)(14) (A-29)



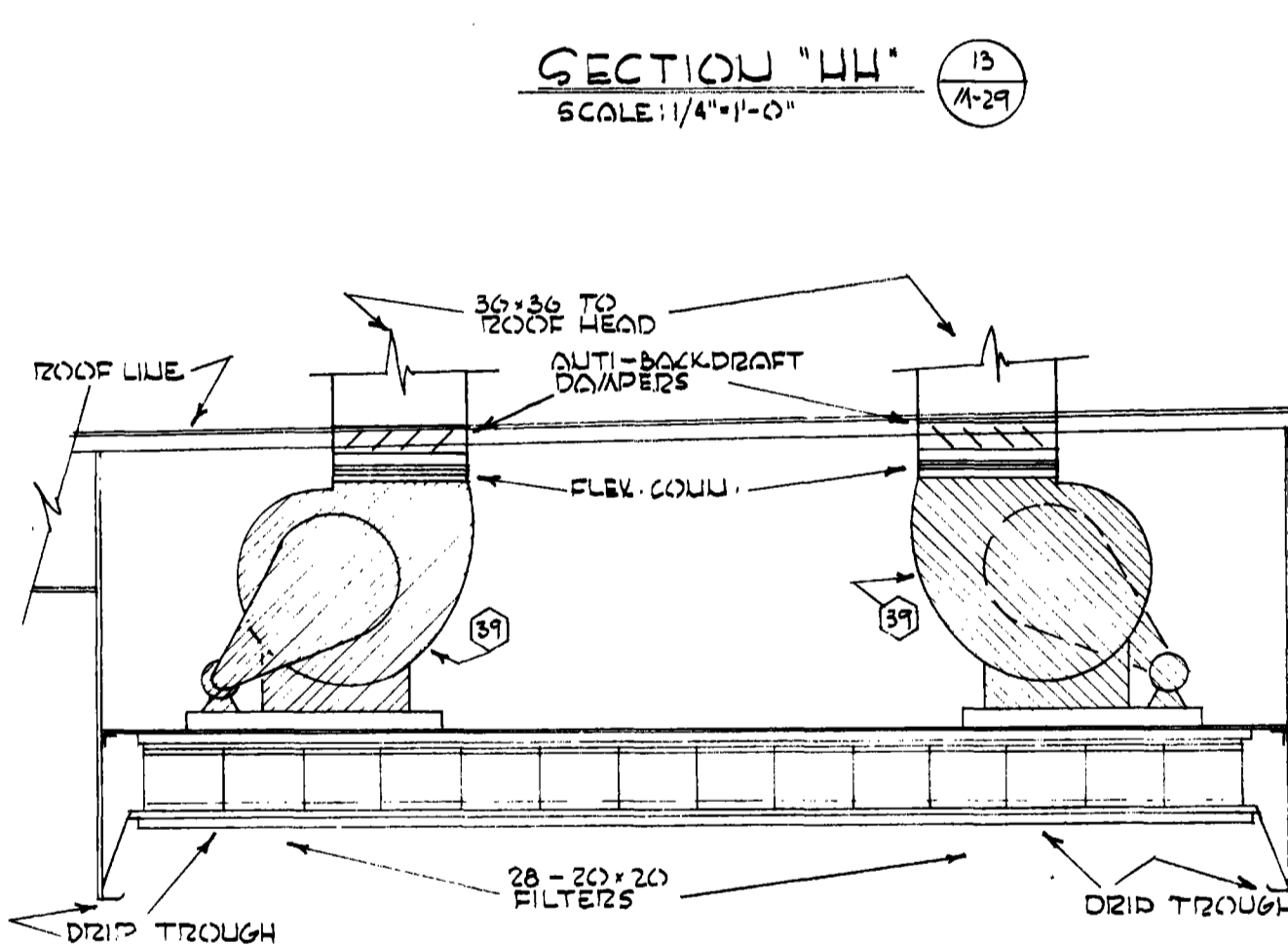
RE-HEAT COIL PIPING DIAGRAM NO SCALE SEE (15)(16) (A-29)



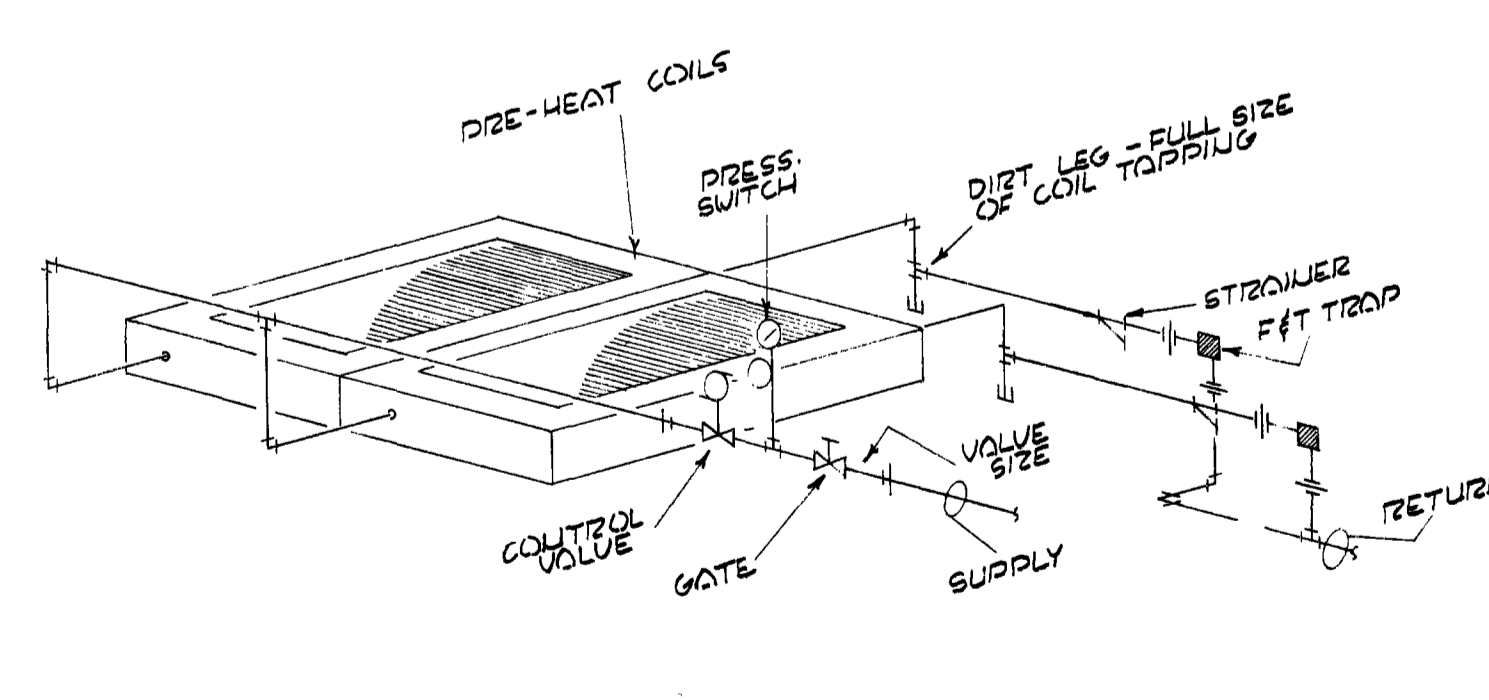
KETTLE HOOD EXHAUST FAN DETAILS SCALE: 1/4"=1'-0" (A-29)



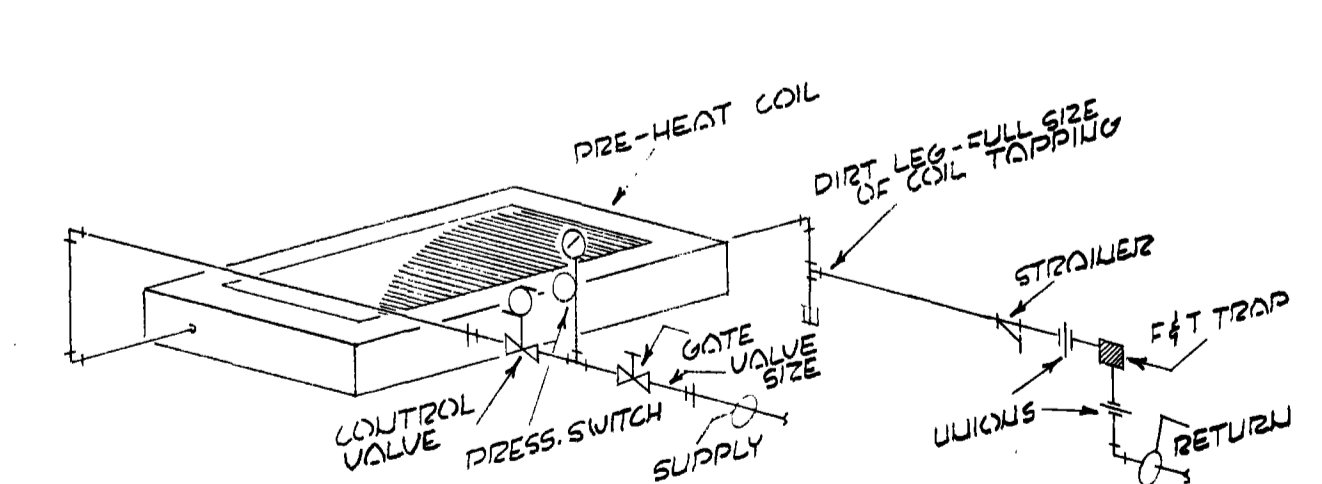
GRIDDLE HOOD EXHAUST FAN DETAILS SCALE: 1/4"=1'-0" (A-29)



OVEN HOOD EXHAUST FAN DETAILS SCALE: 1/4"=1'-0" (A-29)



PRE-HEAT COIL PIPING DIAGRAM NO SCALE SEE (17) (A-29)



PRE-HEAT COIL PIPING DIAGRAM NO SCALE SEE (18)(19) (A-29)

NOTE: SEE ARCHITECTURAL DRAWINGS FOR KITCHEN HOOD STRUCTURAL FINISHING -



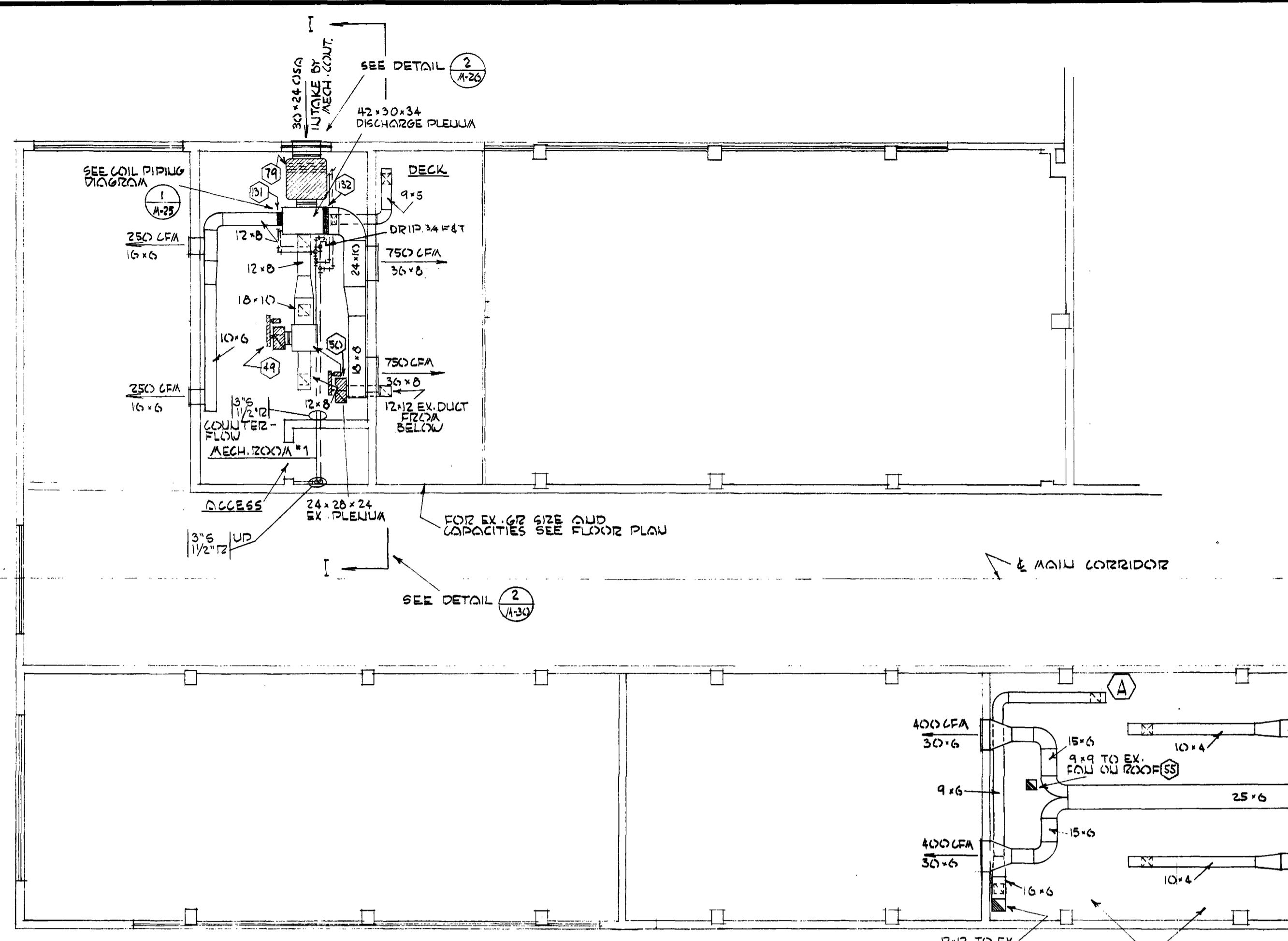
NOTE: FOR PIPE SIZES, SEE HEATING COIL SCHEDULE ON SHEET M-28 AND MECH. ROOM PIPING PLAN ON SHEET M-29

O.S.C.I. 556-07
HEATING & VENT UNIT # 8 DETAILS
M29 of 35

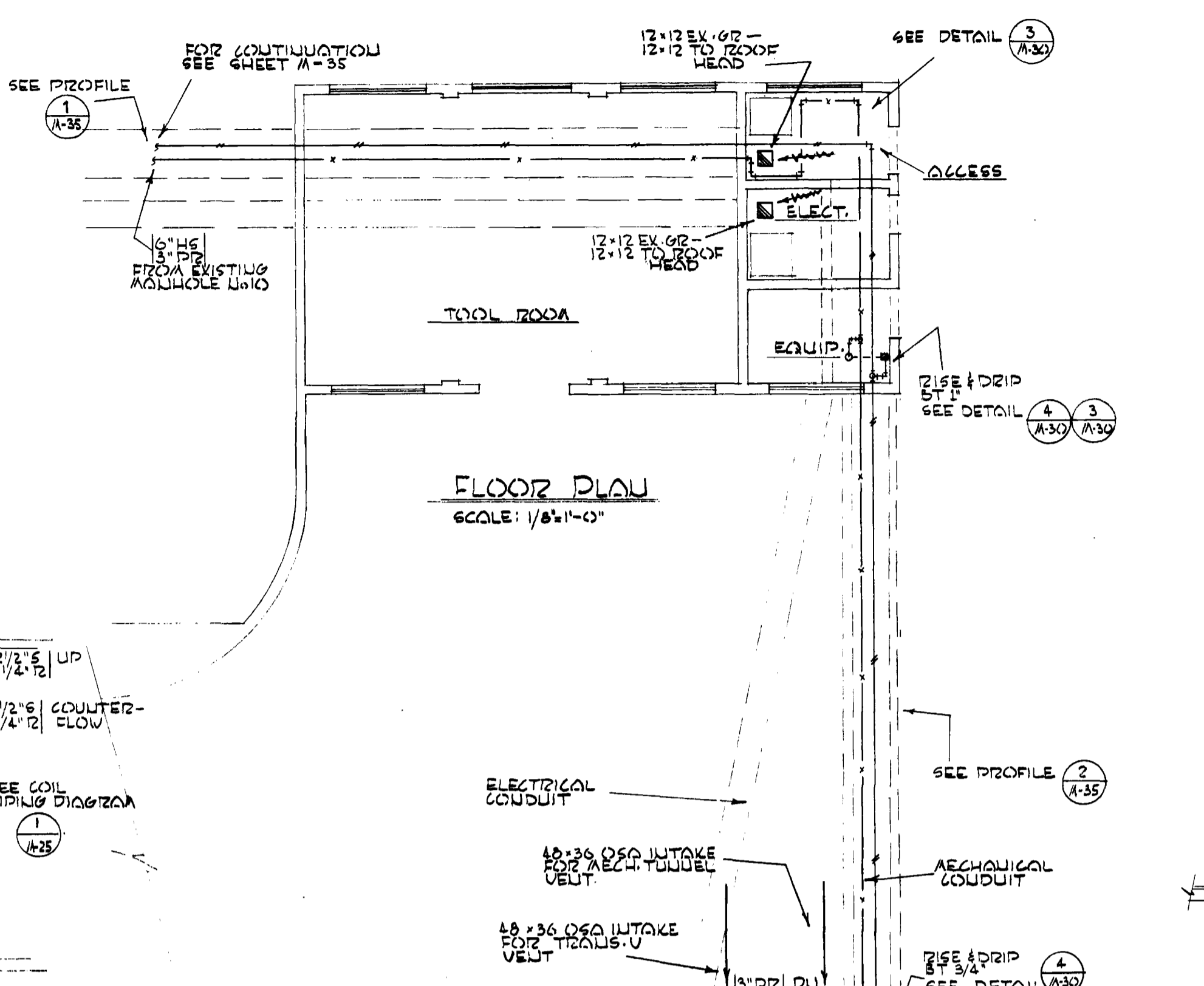
OREGON STATE CORRECTIONAL INSTITUTION - SALEM, OREGON

NO.	DATE	REVISIONS

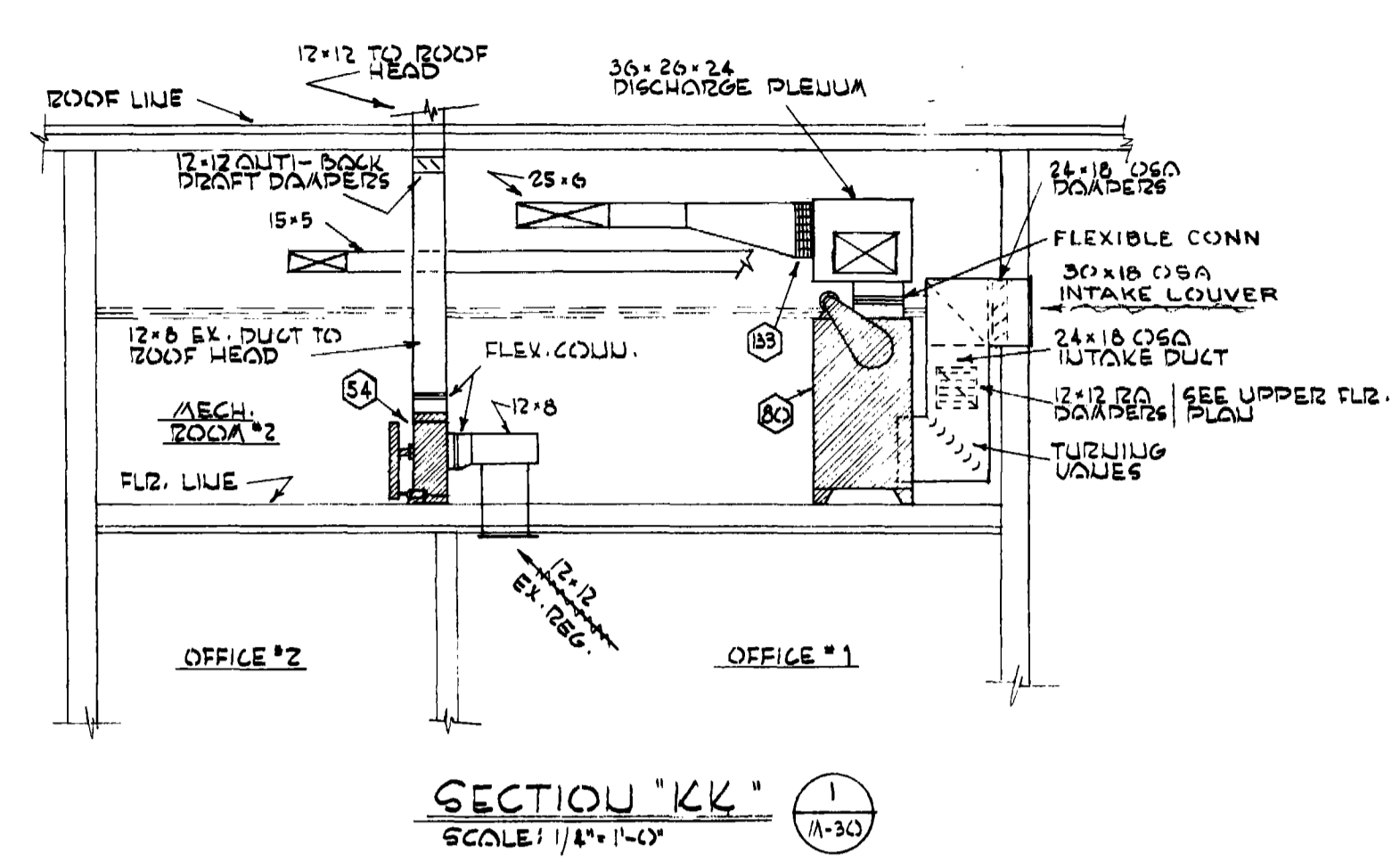
ANNAND, BOONE & LEI ARCHITECTS
E. E. A. BURN, 1922 B.W. TULLUM BLDG., PORTLAND 8, ORE.



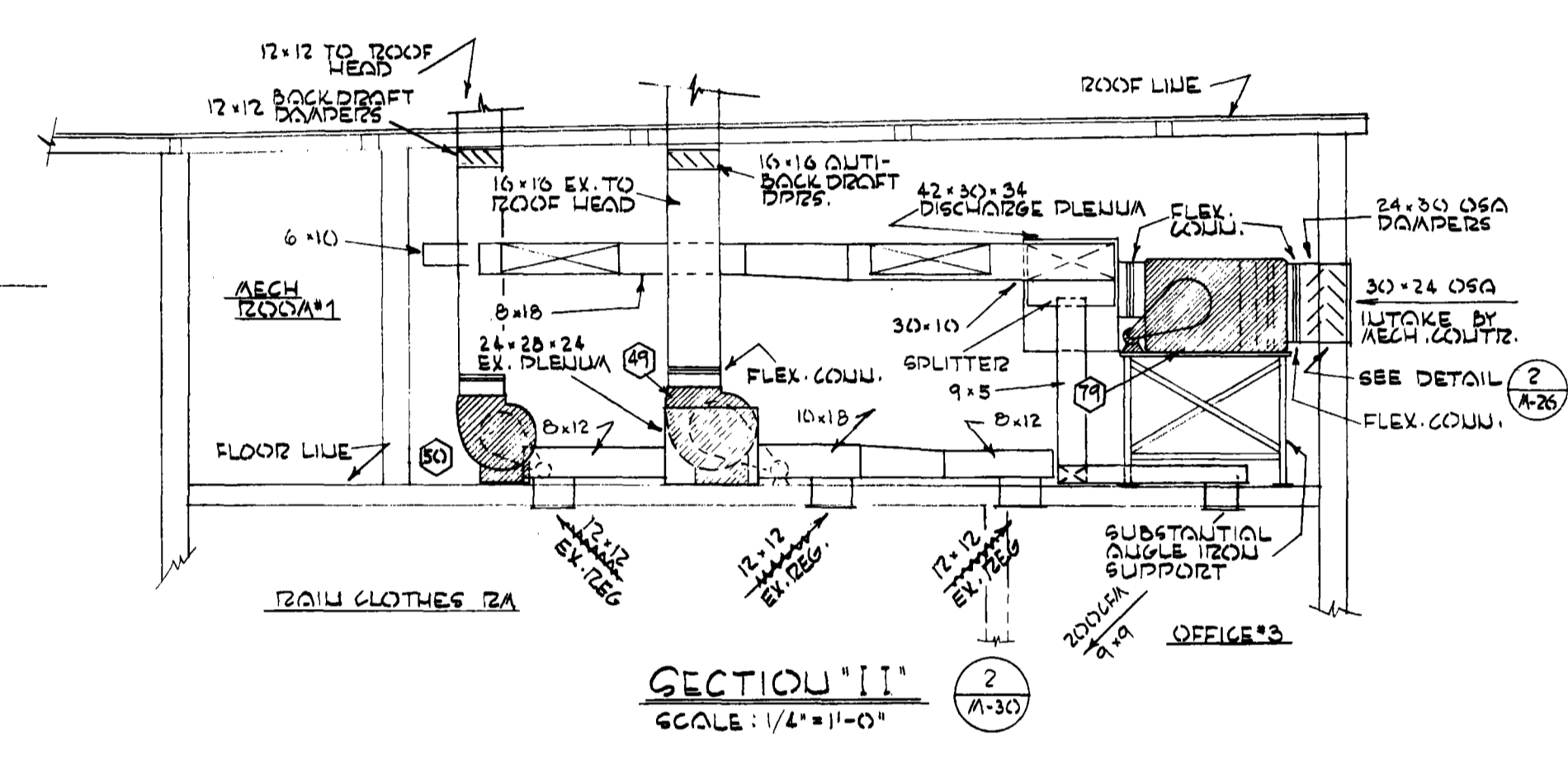
UNIT '9' UPPER FLOOR PLAN
SCALE: 1/8"=1'-0"



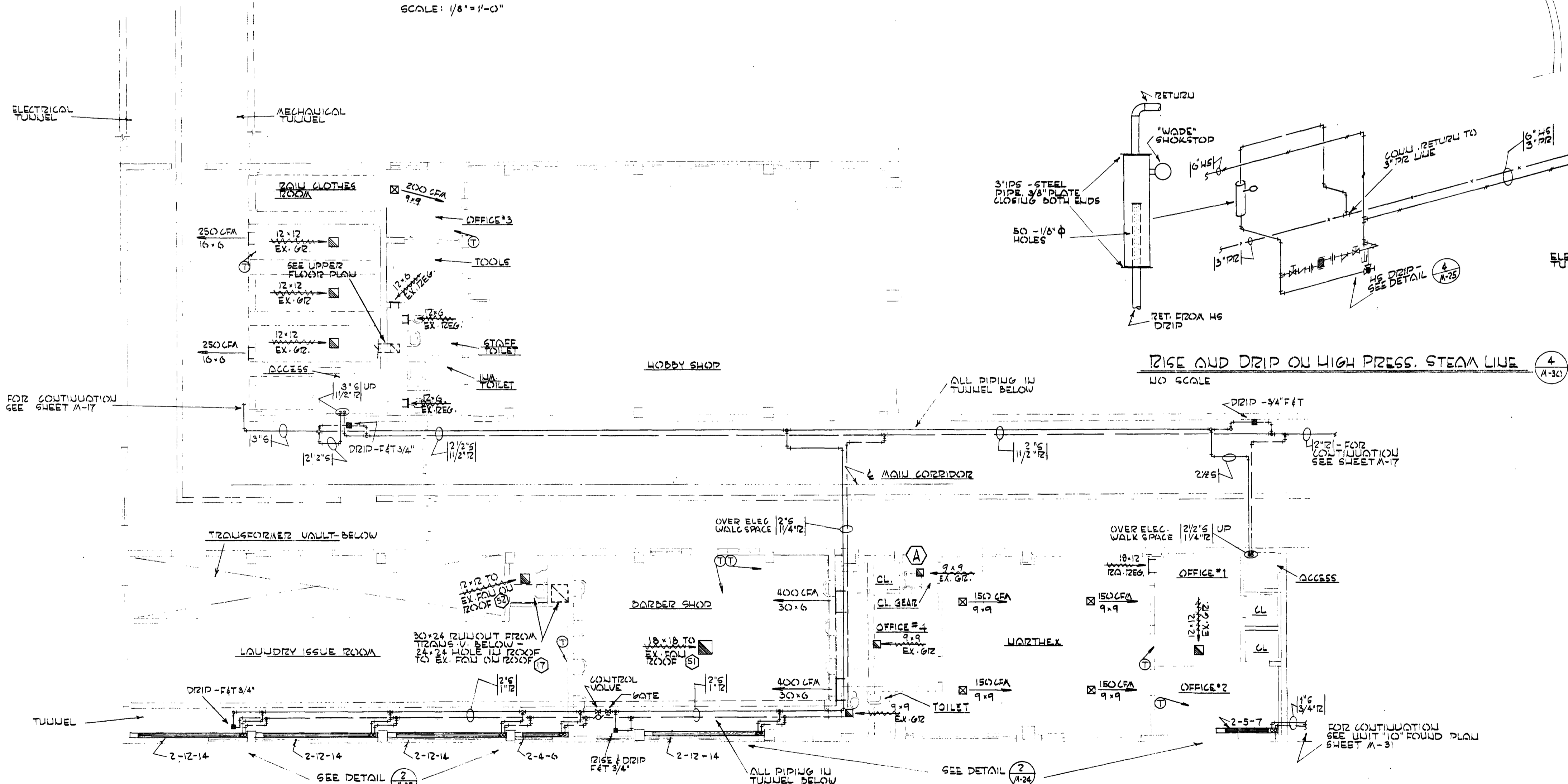
FLOOR PLAN
SCALE: 1/8"=1'-0"



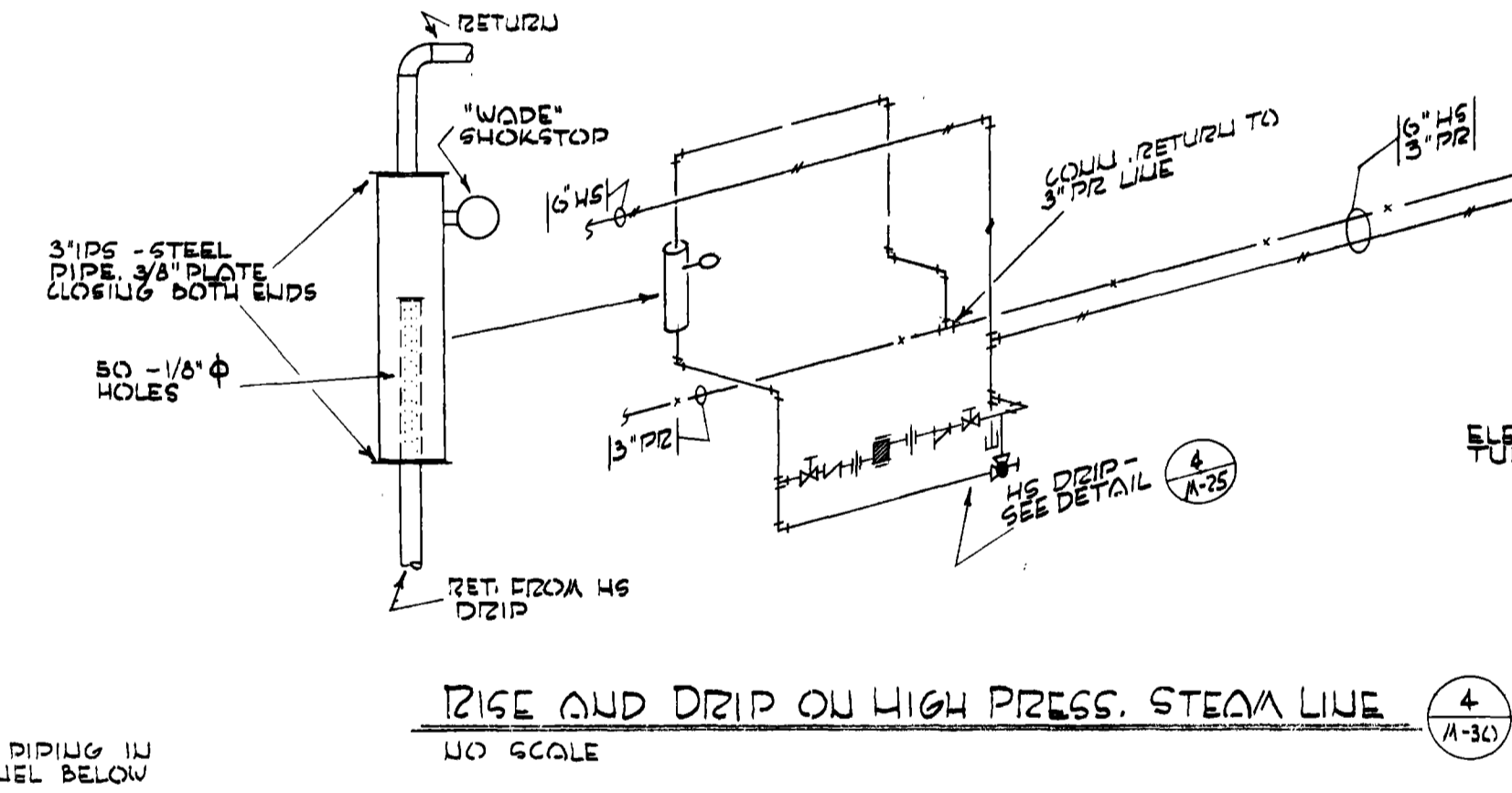
SECTION 'KK'
SCALE: 1/4"=1'-0"



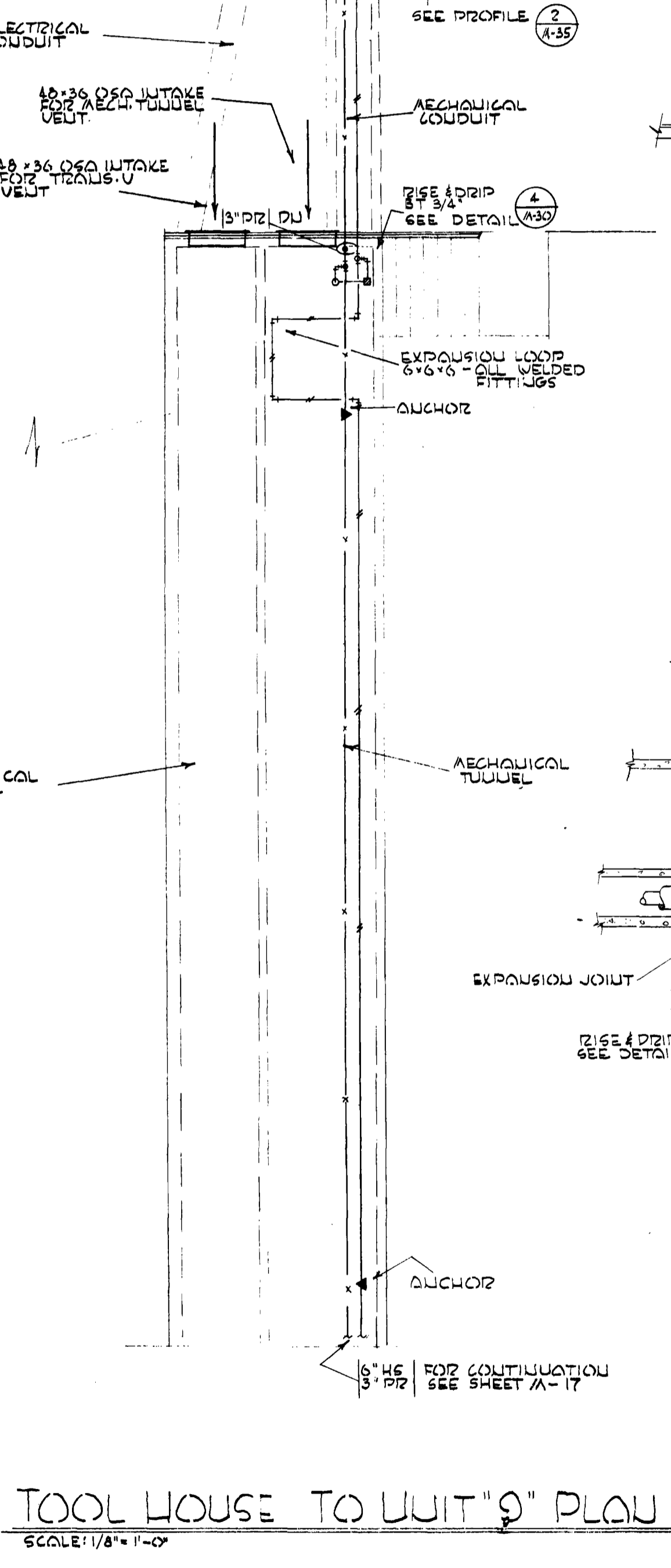
SECTION 'II'
SCALE: 1/4"=1'-0"



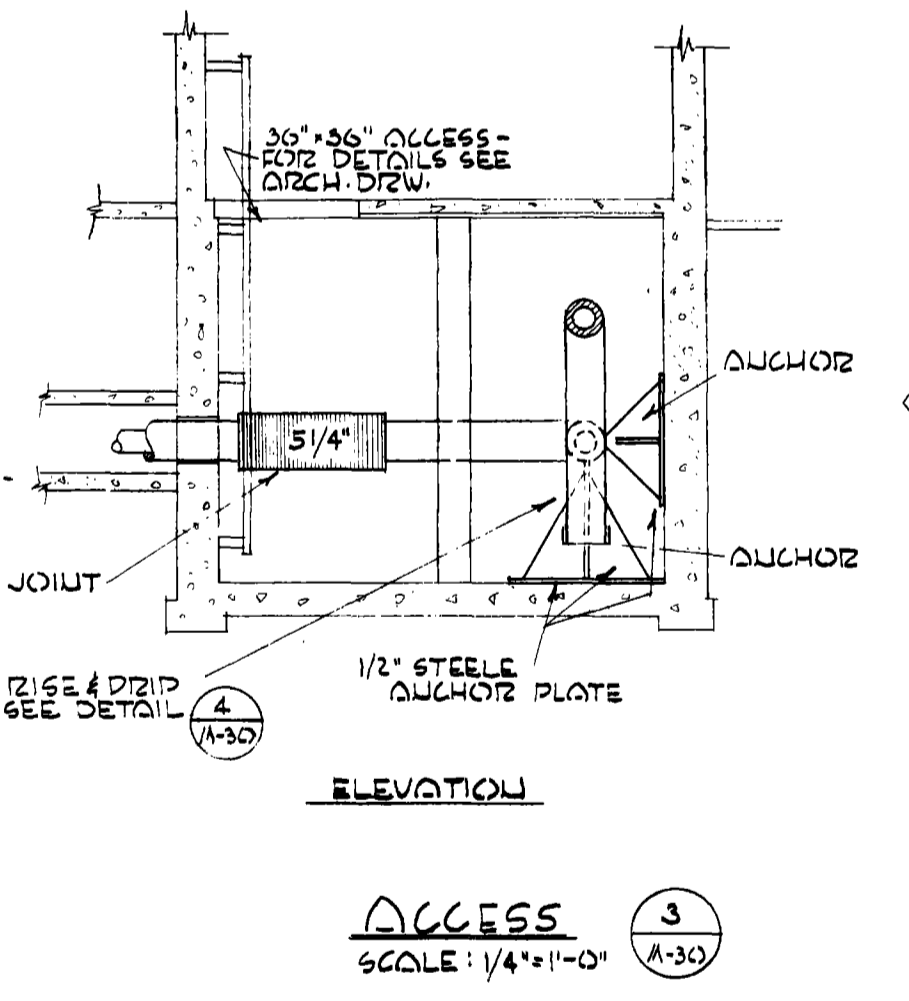
UNIT '9' HEATING AND VENTILATING PLAN
SCALE: 1/8"=1'-0"



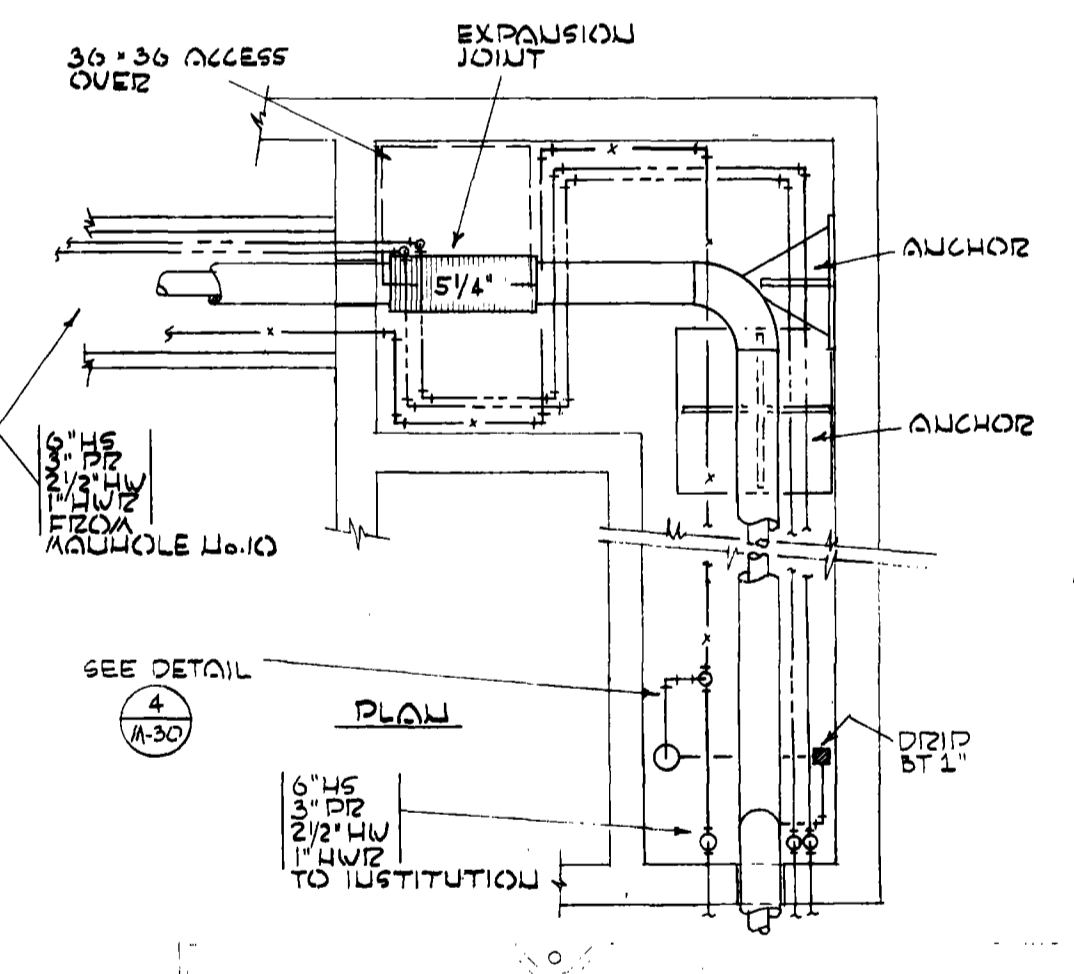
RISE AND DRIP ON HIGH PRESS. STEAM LINE
NO SCALE



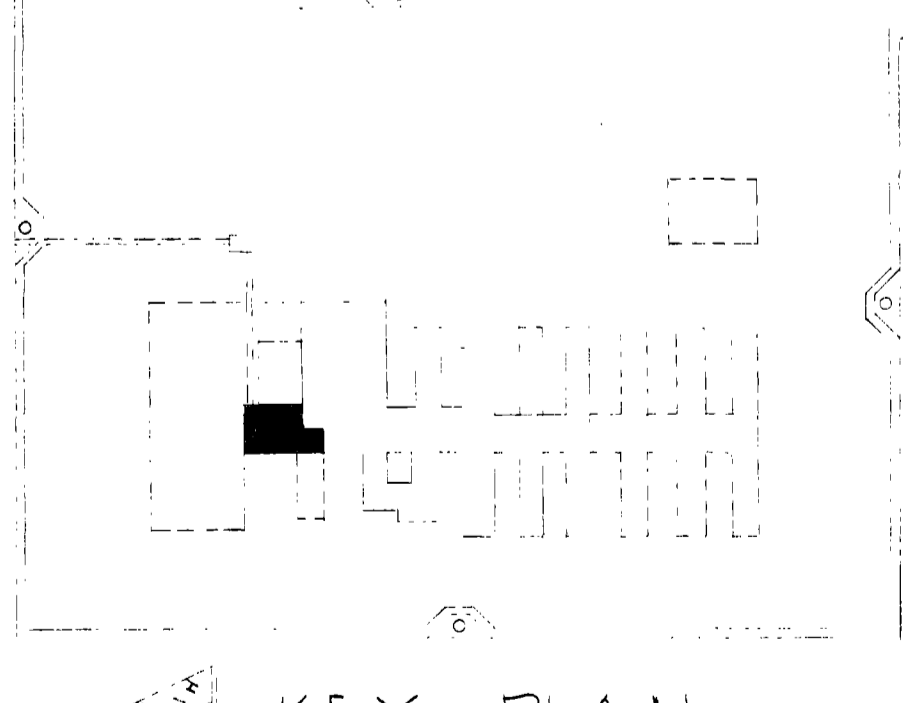
TOOL HOUSE TO UNIT '9' PLAN
SCALE: 1/8"=1'-0"



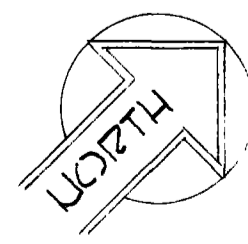
ELEVATION



ACCESS
SCALE: 1/4"=1'-0"



KEY PLAN



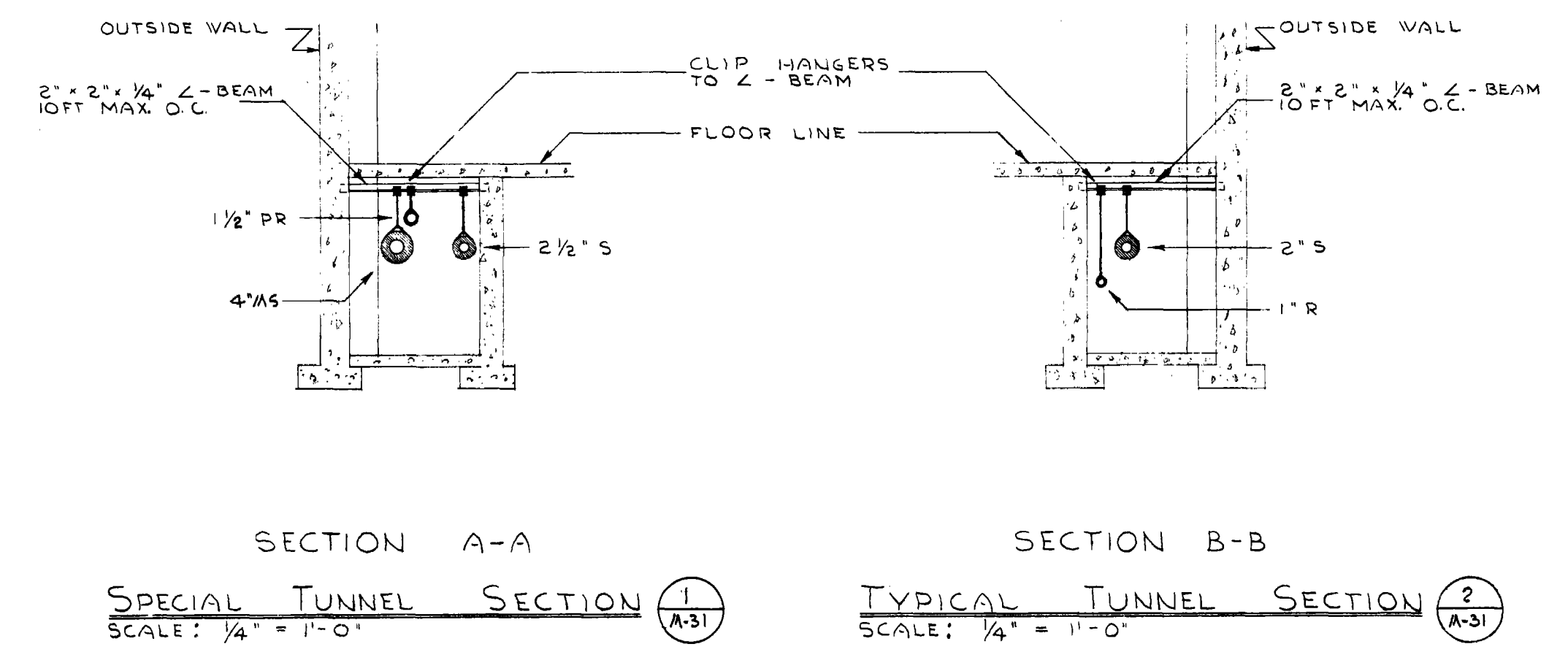
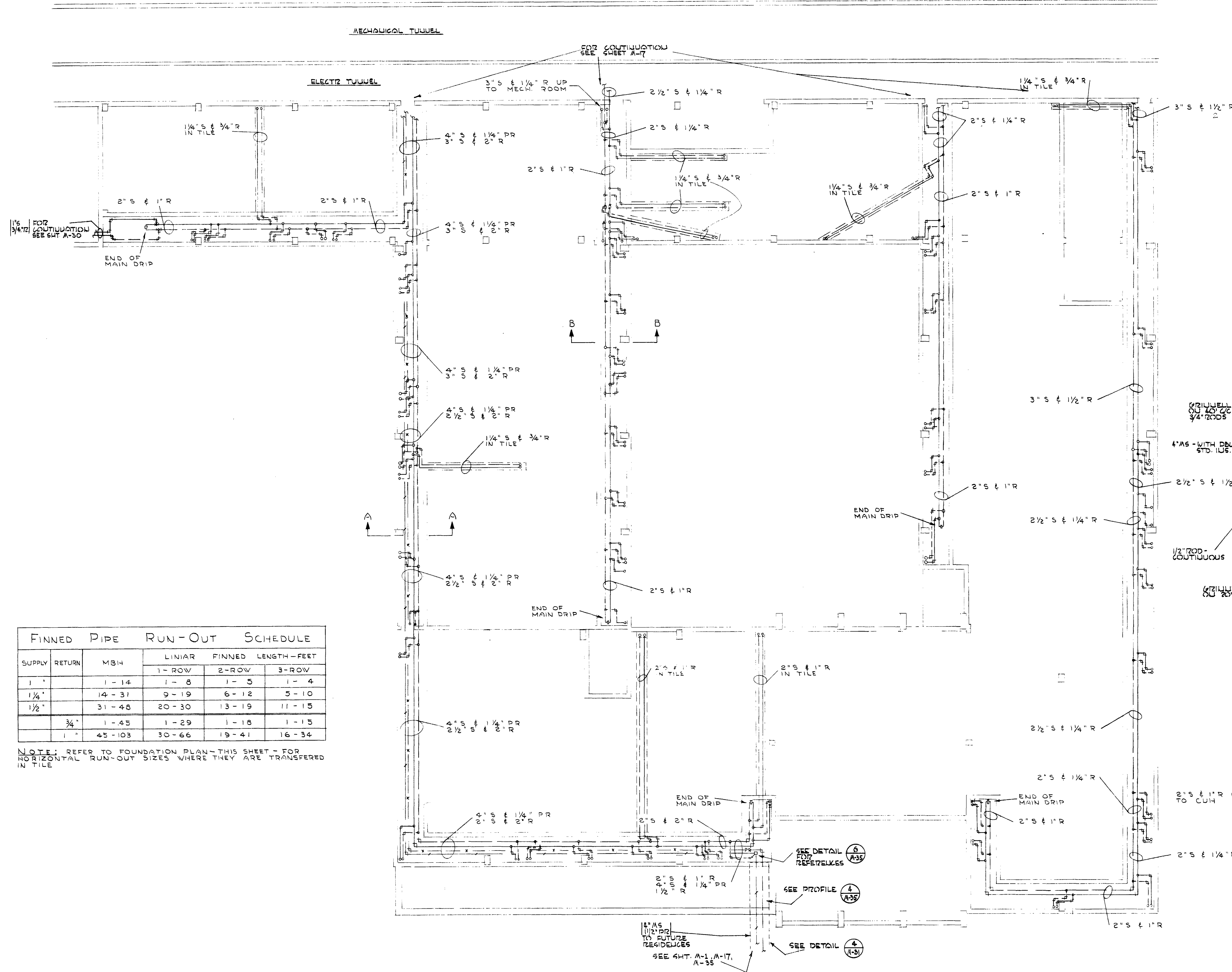
OREGON STATE CORRECTIONAL INSTITUTION - SALEM, OREGON.

DRAWN: J.O. CHECKED: DATE: JULY 22, 1957.

O.S.C.I. 556-07
HEATING & VENT UNIT # 9 PLANS & DETAILS

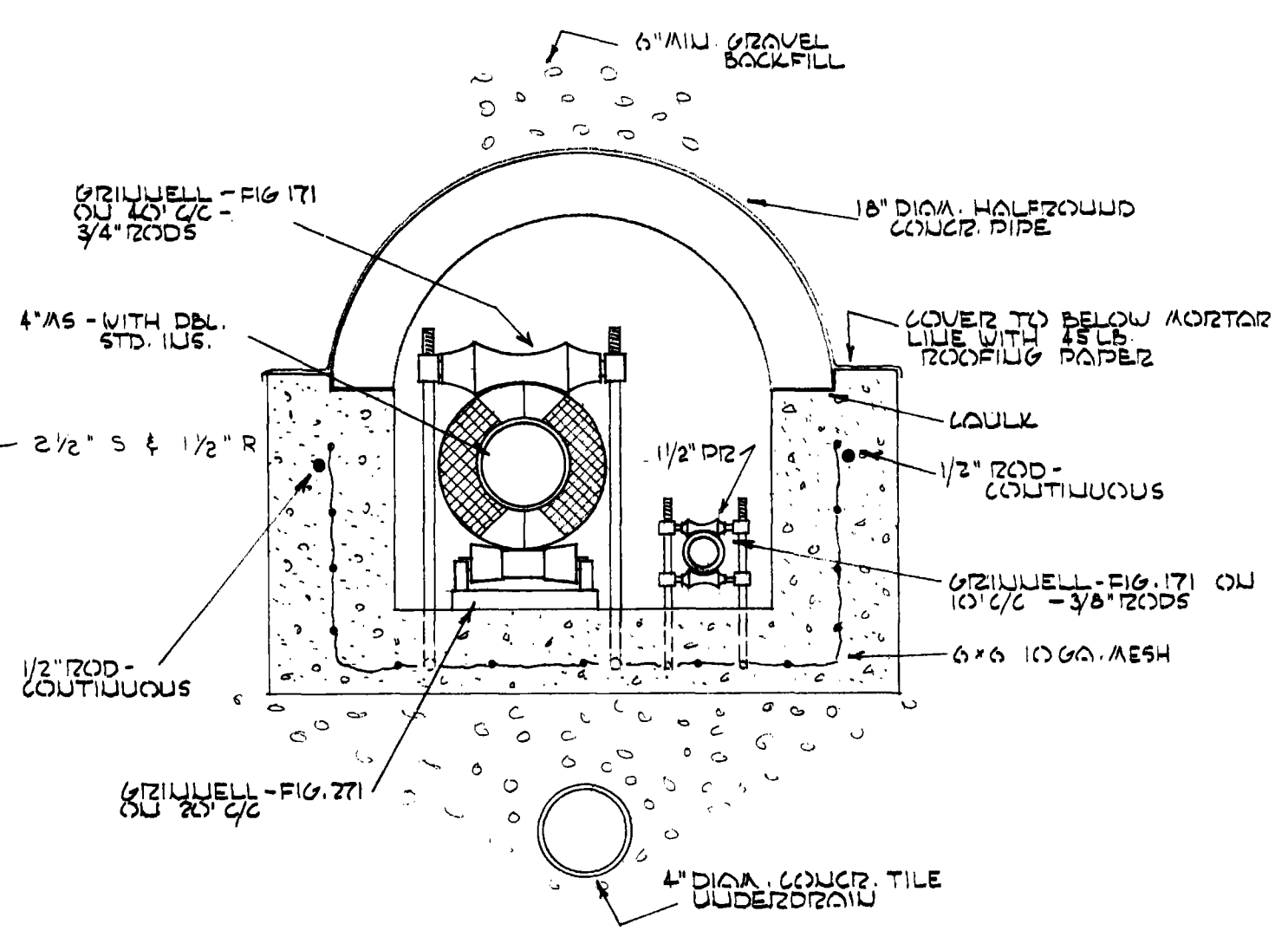
ANNAND, BOONE & LEI ARCHITECTS
1100 S.W. THIRD ST., PORTLAND 5, ORE.

NO.	DATE	REVISIONS
(A)	10-10-57	REVISION OF CHAPEL AREA CHANGE ORDER #7

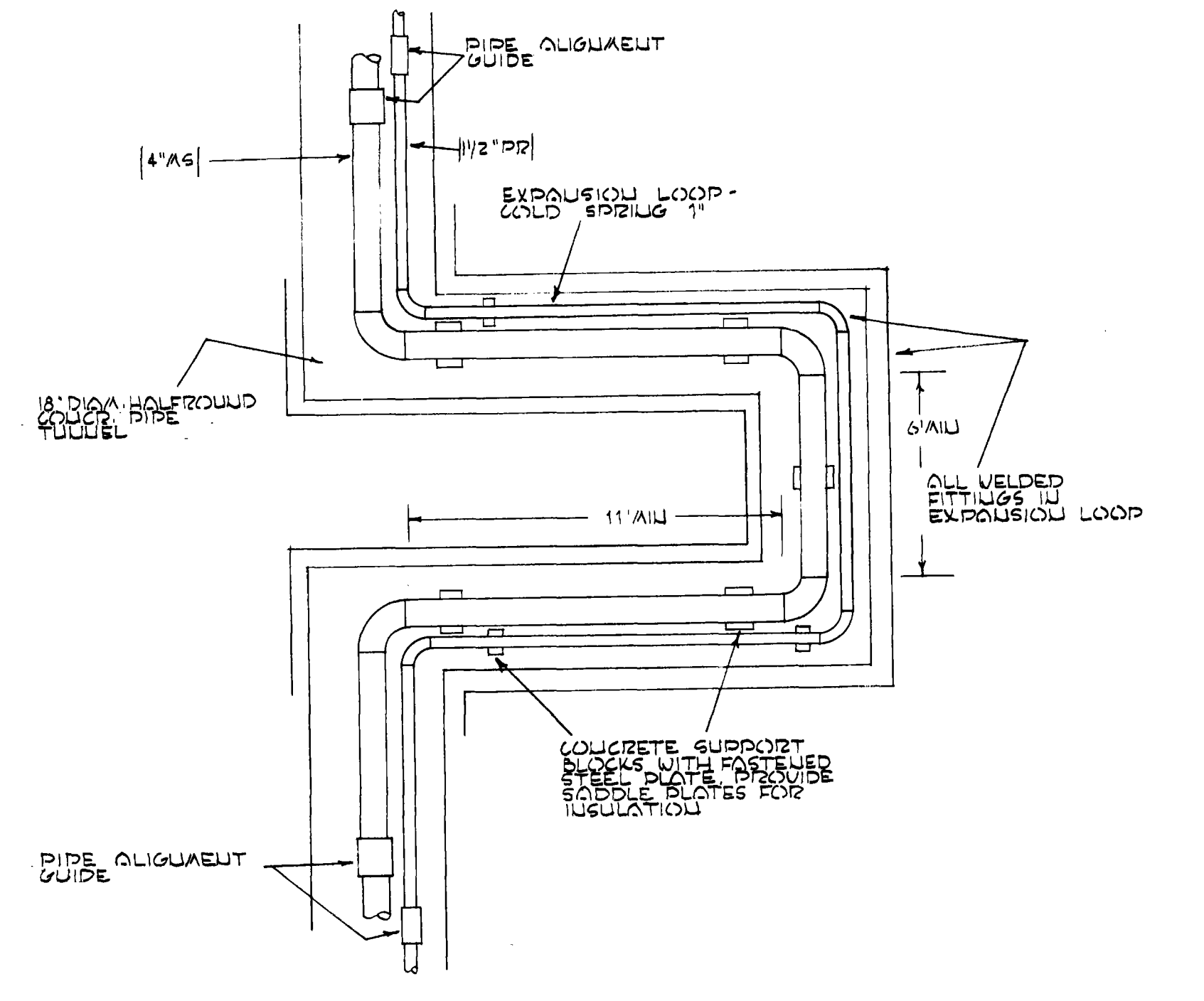


FINNED PIPE RUN-OUT SCHEDULE		FINNED LENGTH- FEET		
SUPPLY	RETURN	1-ROW	2-ROW	3-ROW
1"	1-14	1-8	1-5	1-4
1 1/2"	14-37	9-19	6-12	5-10
1 1/2"	31-48	20-30	13-19	11-15
3/4"	1-45	1-29	1-18	1-15
1"	45-103	30-66	19-41	16-34

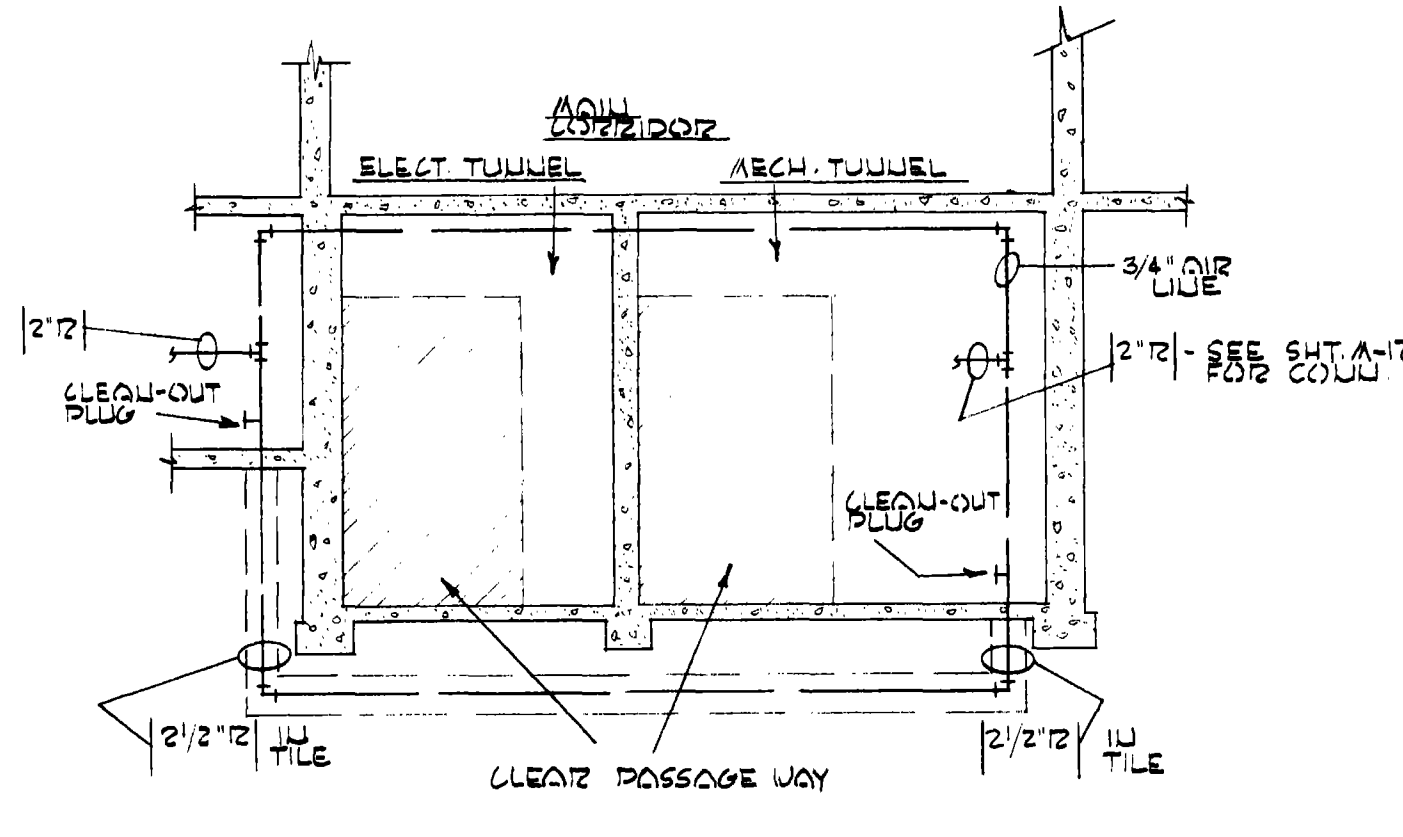
NOTE: REFER TO FOUNDATION PLAN-THIS SHEET FOR HORIZONTAL RUN-OUT SIZES WHERE THEY ARE TRANSFERRED IN TILE



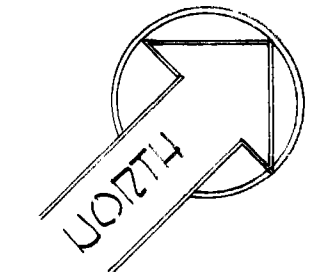
PIPE TUNNEL DETAIL
SCALE: 1/2" = 1'-0"
PIPE TUNNEL FROM UNIT #10 TO FUTURE RESIDENCES.



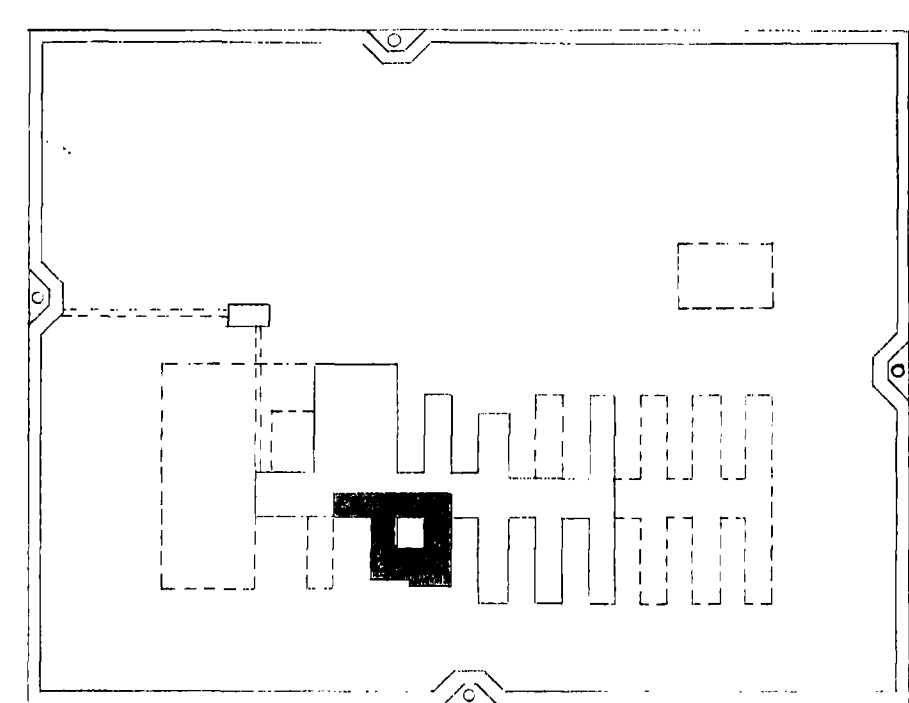
EXPANSION LOOP DETAIL
NO SCALE
FOR EXPANSION LOOP SIZES AND LOCATIONS SEE SHEET A-1



LOOPING DRY RETURN AROUND OPENING
SCALE: 1/4" = 1'-0"



UNIT #10 FOUNDATION PLAN
SCALE: 1/8" = 1'-0"



KEY PLAN



O.S.C.I. - 556-07
HEATING & VENT UNIT #10 PLAN & DETAILS 31 OF 35

OREGON STATE CORRECTIONAL INSTITUTION SALEM, OREGON

NO.	DATE	REVISIONS

ANNAND, BOONE & LEI ARCHITECTS
1320 N.W. TAYLOR ST. PORTLAND 9, OREG.
TEL. CAPITAL 5-2222

EQUIPMENT LIST

SUPPLY UNITS

MARK NO.	UNIT NO.	DESCRIPTION	CFM	SP IN.	MAX TIP SPEED FPM	ROT	DISCH	WIDTH INLET	MIN. HR	SET CAP. CFM	REPR
1	1	SUPPLY FAN	17,500	1"	5750	CV	TH	DW	9	14,500	X
2	2	SUPPLY FAN	12,500	1"	5750	CV	TH	DW	5	10,500	X
3	3	SUPPLY FAN	12,000	1"	5300	CV	TH	DW	5	9,500	X
4	4	SUPPLY FAN	18,500	1"	5750	CCV	TH	DW	7 1/2	14,850	X
5	5	SUPPLY FAN	10,000	3/8"	5300	CV	TH	DW	5	8,000	X
6	5	SUPPLY FAN	6,000	3/8"	5300	CCV	TH	DW	3	5,000	X

EXHAUST UNITS

MARK NO.	UNIT NO.	DESCRIPTION	CFM	SP IN.	MAX TIP SPEED FPM	ROT	DISCH	WIDTH INLET	MIN. HR	SET CAP. CFM	REPR
15	1	TRANS. EXH.	1200	3/4"	3500	BH	SW	1/2			
16	2	TRANS. EXH.	1200	3/4"	3500	UB	SW	1/2			
17	9	TRANS. EXH.	1200	3/4"	3500	BH	SW	1/2			
18	10	TRANS. EXH.	1500	3/4"	3500	BH	SW	1/2			
20	1	MAIN GUARD AREA	18,000	3/4"	4500	CV	TH	DW	5	13,000	X
21	1	MAIN GUARD AREA	15,000	3/4"	4500	CCV	TH	DW	5	11,000	X
22	2	MAIN GUARD AREA	14,000	3/4"	4500	CV	TH	DW	5	11,000	X
23	2	MAIN GUARD AREA	15,000	3/4"	4500	CV	TH	DW	5	11,000	X
24	2	MAIN GUARD AREA	12,000	3/4"	4500	CV	TH	DW	5	10,000	X
25	3	SHOWER	14,200	3/4"	3,500	CV	TH	DW	3	10,000	X
26	4	MAIN SHOWER	16,300	3/4"	4,500	CV	TH	DW	3	14,850	X
27	4	MAIN SHOWER	1,200	3/4"	3,500	CCV	UB	SW	3		
28	5	MAIN GUARD AREA	18,000	3/4"	4,500	CV	TH	DW	5	13,000	X
29	5	MAIN GUARD AREA	1,500	3/4"	3,500	CV	TH	DW	5	UTILITY	
30	6	TOILET EXH. FAN	300	1/4"	3,100				1/4		
31	6	INMATES TOILET EXH. FAN	800	1/4"	3,100				1/4		
32	7	CL. RM. EXH. FAN	2,500	1/2"	3,000				1/2		
33	7	TOILET EXH. FAN	1200	1/2"	3,000				1/2		
34	7	TOILET EXH. FAN	1000	1/2"	3,000				1/2		
37	8	GRIDDLE EXH. FAN (2 REQ'D)	8,000	3/8"	4,500	UB	SW	3			
38	8	GRIDDLE EXH. FAN	1,500	3/8"	4,500	UB	SW	3			
39	8	GRIDDLE HOOD EX. FAN (2 REQ'D)	7,200	3/8"	4,500	UB	SW	3			
40	8	OVEN HOOD EX. FAN	2,500	3/8"	5,000	UB	SW	1			
41	8	DISHWASHER EX. FAN	2,500	3/8"	5,000	UB	SW	1			
42	8	BAKERY OVEN HOOD EX. FAN	2,500	3/8"	5,000				3/8		
43	8	UTENSIL WASHER HOOD EX. FAN	1,600	1/2"	4,000				1/2		
44	8	BAKERY OVEN HOOD EX. FAN	1,500	1/2"	4,000				1/2		
45	8	STAFF KITCHEN RANGE HOOD EX. FAN	600	1/4"					1/4		
46	8	STAFF KITCHEN DISH WASHER EX. FAN	400	1/4"					1/4		
47	8	STAFF NIGHT DINING EX. FAN (2 REQ'D)	800	1/4"	3,500				3/4		
48	8	COFFEE DRN EX. FAN	500	1/4"	3,000				1/4		
49	9	RAIN CLOTHES RM. EX. FAN	1,500	1/4"	1,700				1/4		
50	9	HOBBY SHOP TOILET EX. FAN	500	1/4"	1,700				1/4		
51	9	BARBER SHOP EX. FAN	1000	1/4"	3,100				1/4		UTILITY
52	9	LAUNDRY ISSU EX. FAN	500	1/4"	3,100				1/4		
53	9	TOILET & CL. GEAR EX. FAN	350	1/4"	3,100				1/4		
54	9	OFFICE NO. 1 EX. FAN	440	1/4"	1,700				1/4		
55	9	CONFESIONAL EX. FAN	360	1/4"	3,100				1/4		
56	10	CONFERENCE RM. EX. FAN	750	1/8"	3,000				1/8		UTILITY
57	10	PAROLE BOARD EX. FAN	750	1/8"	3,000				1/8		
58	10	PAROLE BOARD EX. FAN	1000	1/8"	1,700				1/4		
59	10	VISIONS - WAITING TOILET EX. FAN	1200	1/8"					1/4		
60	10	SUPT. TOILET & DARK RM. (2 REQ'D)	360	1/8"					1/8		
61	10	CLERKS TOILET EX. FAN	1000	1/8"					1/4		
62	10	TURNKEY TOILET EX. FAN	360	1/8"					1/8		
63	5	ASCH. TUNNEL EXH. FAN	10,000	1/2"	4,500				3		

H.E.V. UNIT SCHEDULE

MARK NO.	UNIT NO.	DESCRIPTION	CFM	SP	MAX TIP SPEED FPM	MIN. LP	REMARKS
75	6	H.E.V. UNIT	2,000	1/2"	2,150	1/2"	COIL 10" x 40", VALVE #/HR 70, TRAP #/HR 100, 1/2" x 1/2"
76	7	CL. RM. H.E.V. UNIT	5,000	3/8"	2,400	2"	COIL 10" x 105", VALVE #/HR 530, TRAP #/HR 800, 3/8" x 2" R
77	7	LIBRARY H.E.V. UNIT	3,200	3/8"	2,400	1"	COIL 10" x 40", VALVE #/HR 110, TRAP #/HR 160, 1/2" x 1/2" R
78	8	STAFF & NIGHT DINING H.E.V. UNIT	2,000	3/4"	2,700	3/4"	COIL 10" x 40", VALVE #/HR 70, TRAP #/HR 105, 1/2" x 1/2" R
79	9	HOBBY SHOP H.E.V. UNIT	2,000	1/2"	2,150	3/4"	COIL 10" x 40", VALVE #/HR 70, TRAP #/HR 105, 1/2" x 1/2" R
80	9	NAT. EX. H.E.V. UNIT	1,400	1/2"	2,150	1/2"	COIL 10" x 40", VALVE #/HR 47, TRAP #/HR 70, 1/2" x 1/2" R
81	10	H.E.V. UNIT	5,400	3/4"	2,700	2"	NO COIL IN UNIT

HEATING COILS

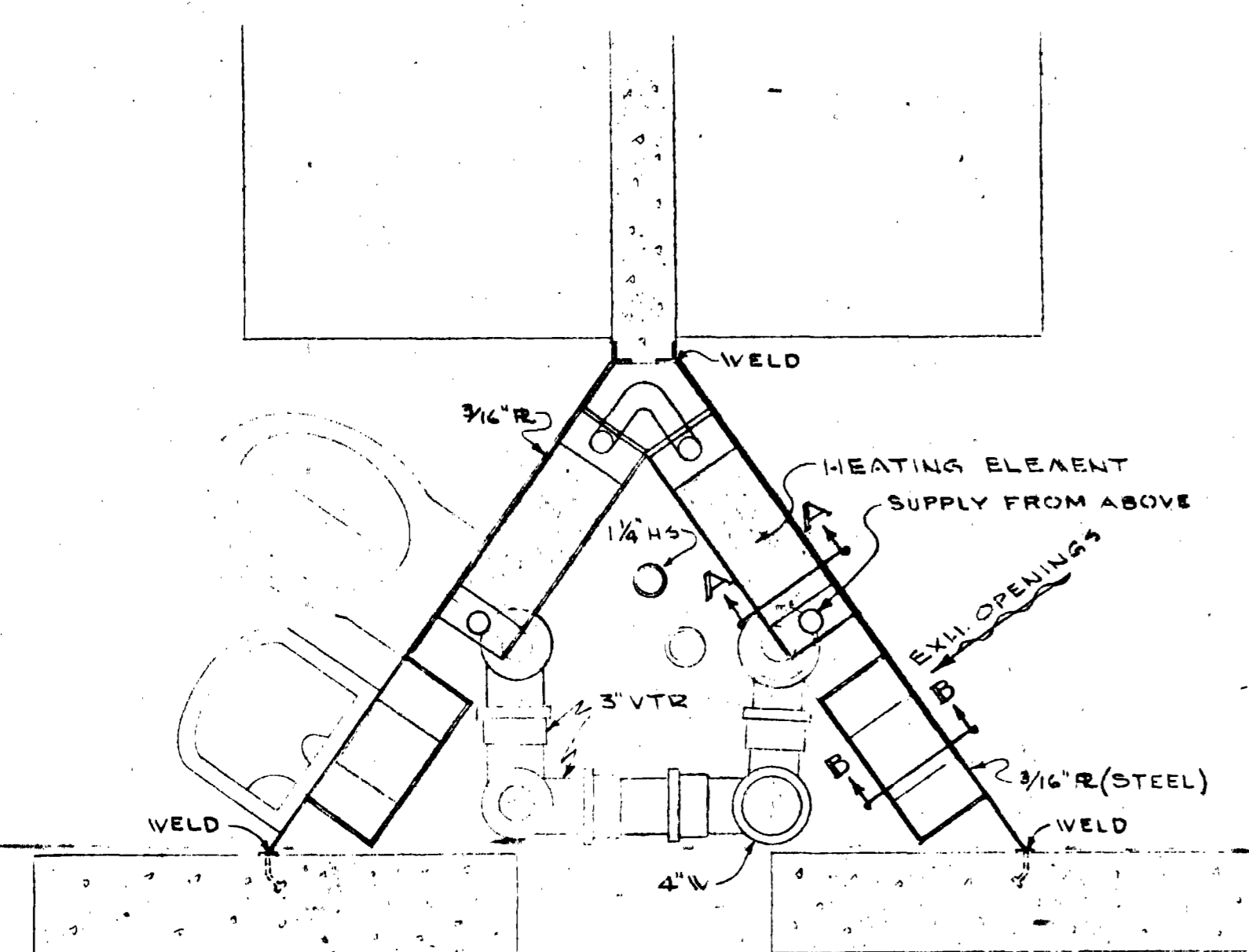
MARK NO.	UNIT NO.	DESCRIPTION	CFM	TEMP. RISE	COIL SZ. HOR. TUBE	NO. REQ'D	VALVE #/HR	TRAP #/HR	3" R
80	1	PRE-HEAT OFF. AREA	8750	10-40	38-71	2	600	1100	2 1/2-1 1/2
81	1	PRE-HEAT OFF. AREA	8750	10-40	38-71	2	600	1100	2 1/2-1 1/2
82	1	PRE-HEAT OFF. AREA	800	10-40	12-24	1	82	125	1 1/2-1
83	1	PRE-HEAT OFF. AREA	900	10-40	12-24	1	82	140	1 1/2-1
84	1	PRE-HEAT OFF. AREA	900	10-40	12-24	1	82	140	1 1/2-1
85	2	PRE-HEAT OFF. AREA	2250	10-40	30-60	2	425	350	2 1/2-1 1/2
86	2	PRE-HEAT OFF. AREA	2250	10-40	30-60	2	425	350	2 1/2-1 1/2
87	2	PRE-HEAT OFF. AREA	300	10-40	12-24	1	82	125	1 1/2-1
88	3	HEATING	6,000	45-110	30-60	2	330	640	3'-2"
89	4	HEATING	9,250	45-110	30-60	2	500	1050	3'-2 1/2"
100	5	PRE-HEAT COIL OFF. & CLERKS	8000	10-40	24-60	2	335	270	2'-1 1/2"
101	5	PRE-HEAT COIL OFF. & CLERKS	8000	10-40	24-60	2	335	270	2'-1 1/2"
102	5	CELL BLOCK HEAT COIL	5,000	40-110	32-60	1	430	650	2'-2"
103	5	CELL BLOCK HEAT COIL	1,800	40-110	18-30	1	160	240	2'-1 1/2"
104	5	FIRST FLOOR PRE-HEAT COIL	6,000	10-40	36-48	1	300	300	2'-1 1/2"
105	5	FIRST FLOOR PRE-HEAT COIL	6,000	10-40	36-48	1	550	875	3'-2"
106	5	GUARD AREA HEAT COIL	1,200	40-120	20-32	1	120	180	1 1/2-1 1/4"
112	6	DENTAL HTG. COIL	315	40-110	9-12	1	32	43	1'-3/4"
113	6	WARD HTG. COIL	1600	40-110	15-30	1	140	210	1 1/2-1 1/4"
114	7	LIBRARY HEAT COIL	2,400	40-130	24-36	1	260	330	2'-1 1/2"
115	7	OFFICE HEAT COIL	700	40-130	12-15	1	25	120	1 1/2-1"
116	8	DINING HALL PRE-HEAT COIL	7,200	10-40	36-60	1	240	360	2'-1 1/2"
117	8	DINING HALL PRE-HEAT COIL	3,600	40-120	30-36	2	640	480	2'-2"
118	8	FUTURE DINING HALL PRE-HEAT COIL	7,200	10-40	30-36	1	240	360	2'-1 1/2"
119	8	FUTURE DINING HALL PRE-HEAT COIL	3,600	40-120	30-36	2	640	480	2'-2"
120	8	VEG. PREP. BAKERY OFF. HEAT COIL	7,500	10-40	36-60	1	250	375	2'-1 1/2"
121	8	OFF. HEAT COIL	1,800	40-95	18-24	1	130	180	1 1/2-1 1/4"
122	8	KITCHEN PRE-HEAT COIL	4,250	10-40	30-60	6	420	315	1'-1 1/2"
123	8	KITCHEN PRE-HEAT COIL	4,250	10-40	30-60	6	1120	850	3'-2"
124	8	BAKERY HTG. COIL	4,100	40-120	30-42	1	360	375	2'-2"
125	8	VEG. PREP. HTG. COIL	1,600	40-95	18-24	1	130	180	1 1/2-1 1/4"
126	8	POT WASH CL. RM. PRE-HEAT COIL	3,750	10-40	30-36	1	125	150	1 1/2-1 1/4"
127	8	POT WASH CL. RM. HEAT COIL	1,400	40-95	18-24	1	100	120	1 1/2-1 1/4"
128	8	POT WASH CL. RM. HEAT COIL	2,150	40-120	21-30	1	180	270	2'-1 1/4"
129	8	STAFF-NIGHT DINING ROOM HEAT COIL	1,950	40-110	18-30	1	175	260	2 1/2-1 1/4"
130	8	WORK RM. & BOOK RM. HEAT COIL	350	40-105	9-12	1	25	37	3/4-3/8"
131	9	CORRIDOR HEAT COIL	500	40-115	12-12	1	46	70	1 1/2-3/4"
132	9	HOBBY SHOP HEAT COIL	1,700	40-115	18-30	1	100	240	2'-1 1/4"
133	9	BARBER SHOP HEAT COIL	800	40-110	15-18	1	70	105	1 1/2-1 1/4"
134	9	NAT. EX. HTG. COIL	600	40-110	12-15	1	50	75	1 1/2-1 1/4"
135	10	BUSINESS OFF. HEAT COIL	2,120	40-115	18-36	1	195	290	2'-1 1/4"
136	10	PAROLE BOARD STAFF HTG. COIL	3,200	40-115	18-34	1	300	475	2 1/2-1 1/4"

CUH SCHEDULE

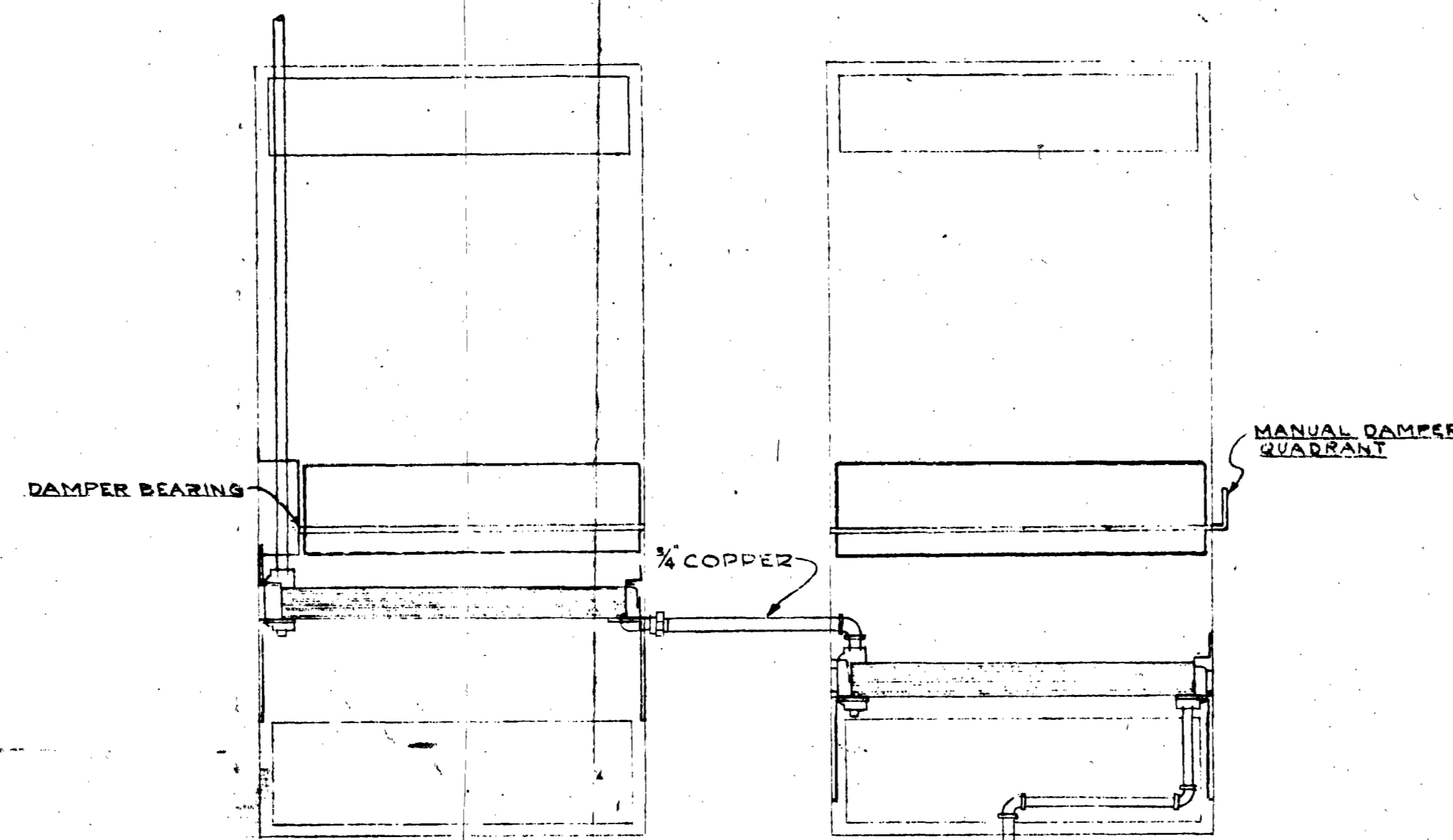
MARK NO.	UNIT NO.	DESCRIPTION	SIZE AND/OR CAPACITY	REMARKS
148	1	CELL BLOCK CUH (4 REQ'D)	1400 CFM @ 0.1" SP @ 800 RPM 60"-120" TEMP. RISE	2" STA. 60" EA. VALVE #/HR 90, TRAP #/HR 144, 2'-5-1/2" R
149	2	CELL BLOCK CUH (4 REQ'D)	1400 CFM @ 0.1" SP @ 800 RPM 60"-120" TEMP. RISE	2" STA. 60" EA. VALVE #/HR 90, TRAP #/HR 144, 2'-5-1/2" R
150	2	DAY ROOM CUH	1500 CFM @ 0.1" SP @ 800 RPM 60"-120" TEMP. RISE	2" STA. 60" EA. VALVE #/HR 90, TRAP #/HR 145, 2'-5-1/2" R
151	3/4	DAY ROOM CUH	1500 CFM @ 0.1" SP @ 800 RPM 60"-120" TEMP. RISE	2" STA. 60" EA. VALVE #/HR 90, TRAP #/HR 145, 2'-5-1/2" R
152	10	CONF. RM. CUH	1500 CFM @ 0.2" SP @ 800 RPM 50"-115" TEMP. RISE	2" STA. 50" EA. VALVE #/HR 105, TRAP #/HR 157, 2'-5-1/2" R
153	10	LOBBY CUH (2 REQ'D)	750 CFM @ 0.1" SP @ 800 RPM 60"-120" TEMP. RISE	2" STA. 60" EA. VALVE #/HR 45, TRAP #/HR 72, 1 1/2'-5-1/2" R

GENERAL EQUIPMENT

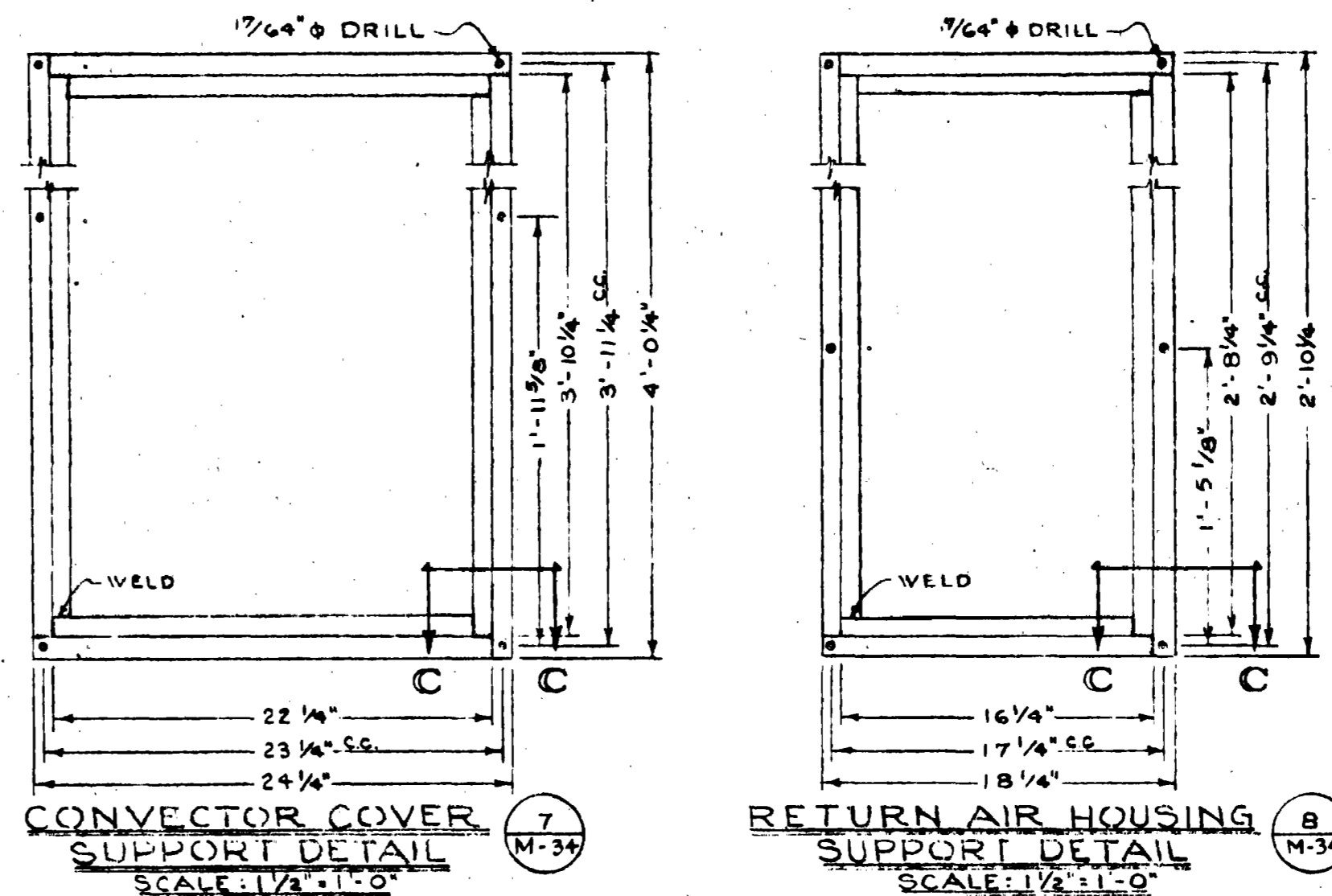
MARK NO.	UNIT NO.	DESCRIPTION	SIZE AND/OR CAPACITY	REMARKS
160	3	CIRC. PUMP	57 GPM @ 30" HD	1 HP
161	3&4	CONVECTOR CORE	3/2 ABH ON 180°F AVE WATER	6" WIDE x 20" LONG RATED AS SHOWN
162	4	CIRC. PUMP	65 GPM @ 30" HD	1 1/2 HP
163	5	COND. RET. PUMP (SINGLE)	4000 EDR 30 PSI DISCH PRESS. 75 GPM CAP.	3/4 HP IN MECH. RM. UNIT 5
164		CONVERTOR FOR UNIT 4&5	120 GPM. FREQ. 170-190°	VALVE 1220 #/HR
165		FIN PIPE RADIATION	1 1/2" DIA. 42' x 24' FIN. 2 ROW 2330 BTU/HR LIN. FT. 3 ROW 2340 BTU/HR LIN. FT.	SEE DETON DRAWINGS RATED ON 2" STEAM
166		FLASH TANK (2 REQ'D)	55 GAL. CAP. CODE TANK 230°	18" x 48" LONG (IN MECH. TUNNEL)
167		FLASH TANK	55 GAL. CAP. CODE TANK 230°	18" x 36" LONG (IN MECH. TUNNEL)
168		CUSHION TANK	80 GAL. CAP.	24" x 48" LONG (IN MECH. TUNNEL)
169		PRESS. RED. VALVE (IN MECH. RM.)	8400 LB/HR @ 40 PSIG TO 5 PSIG	
170		PRESS. RED. VALVE (IN MECH. TUNNEL)	22,500 LB/HR @ 110 PSIG TO 40 PSIG	
171		PRESS. RED. VALVE (IN MECH. TUNNEL)	1,800 LB/HR @ 40 PSIG TO 5 PSIG	
172		PRESS. RED. VALVE (IN MECH. TUNNEL)	10,000 LB/HR @ 40 PSIG TO 5 PSIG	
173		VACUUM PUMP (EXIST.)		5 HP
174		CONDENSATE RET. PUMP (DUPLEX)	30,000 EDR. 30 PSI DISCH. PRESS. 60 GPM CAP.	2 HP (IN MECH. TUNNEL)
175		UTENSIL WASHER BOOSTER	300 GPH @ 140°-180° F	250 #/HR
176		STAFF KITCHEN DW BOOSTER	88 GPH @ 140°-180° F	75 #/HR



PLAN-MECHANICAL SPACE (1) M-34
SCALE: 1/2" = 1'-0"



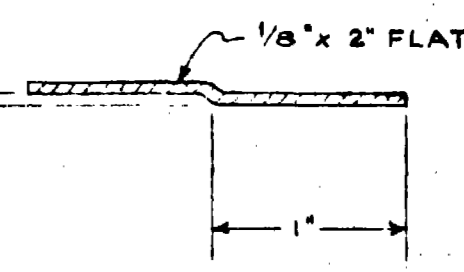
CONVECTOR CORE PIPING DIAGRAM (2) M-34
SCALE: 1/2" = 1'-0"



CONVECTOR COVER SUPPORT DETAIL (7) M-34
SCALE: 1/2" = 1'-0"

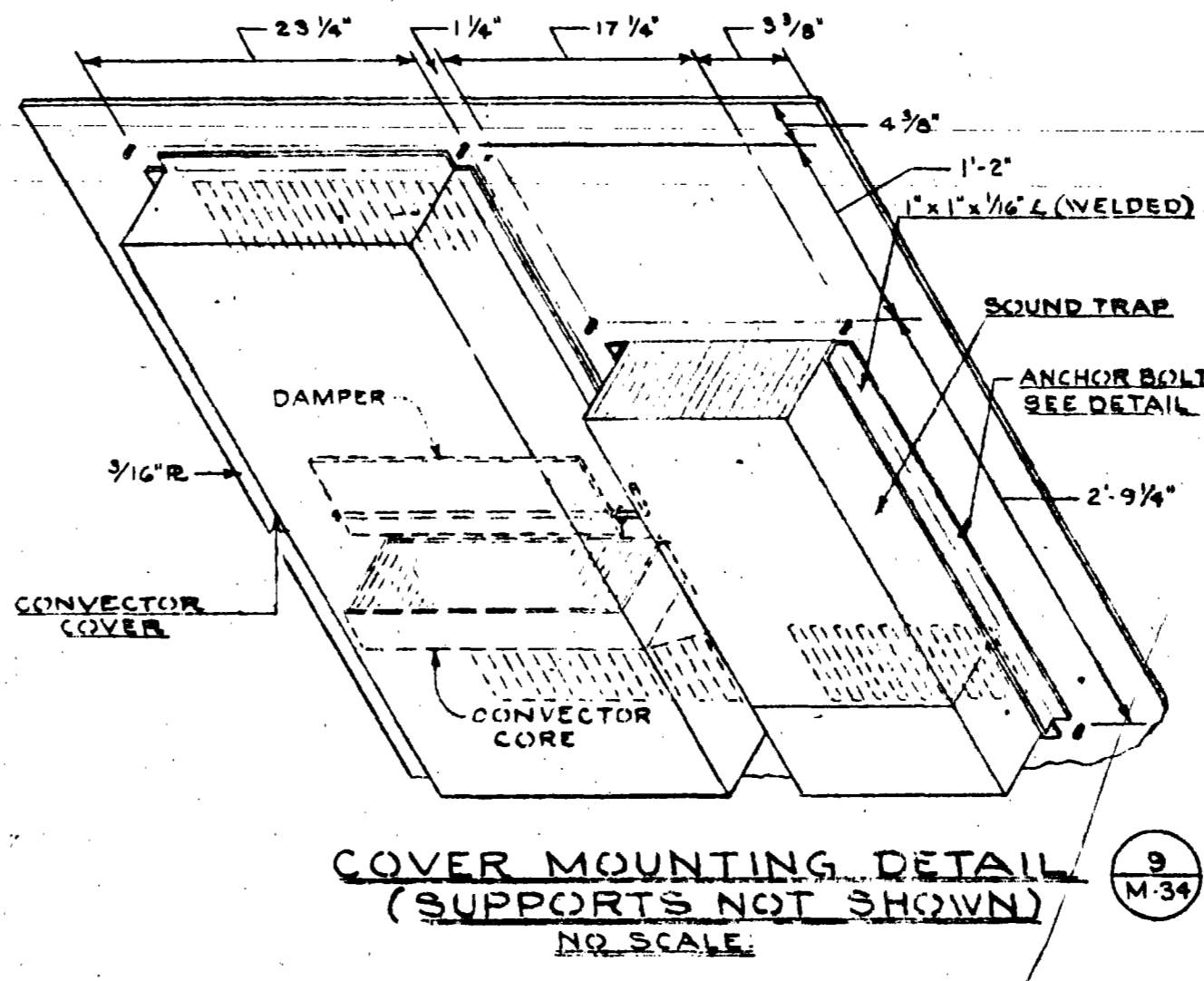
RETURN AIR HOUSING SUPPORT DETAIL (8) M-34
SCALE: 1/2" = 1'-0"

NOTE:
SUBMIT SHOP DRAWGS.
FOR APPROVAL.

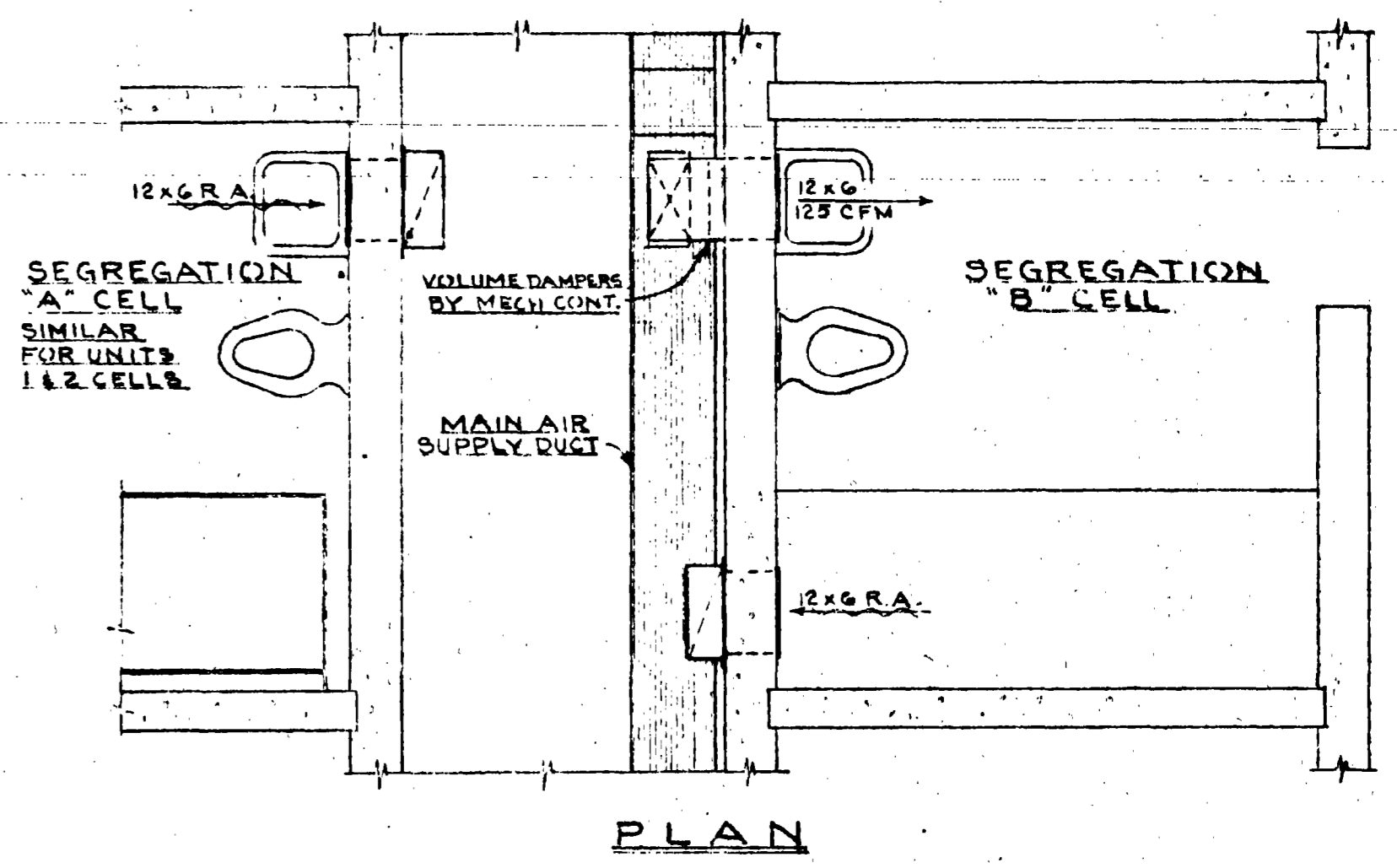


SECTION C-C' (10) M-34
ACTUAL SIZE

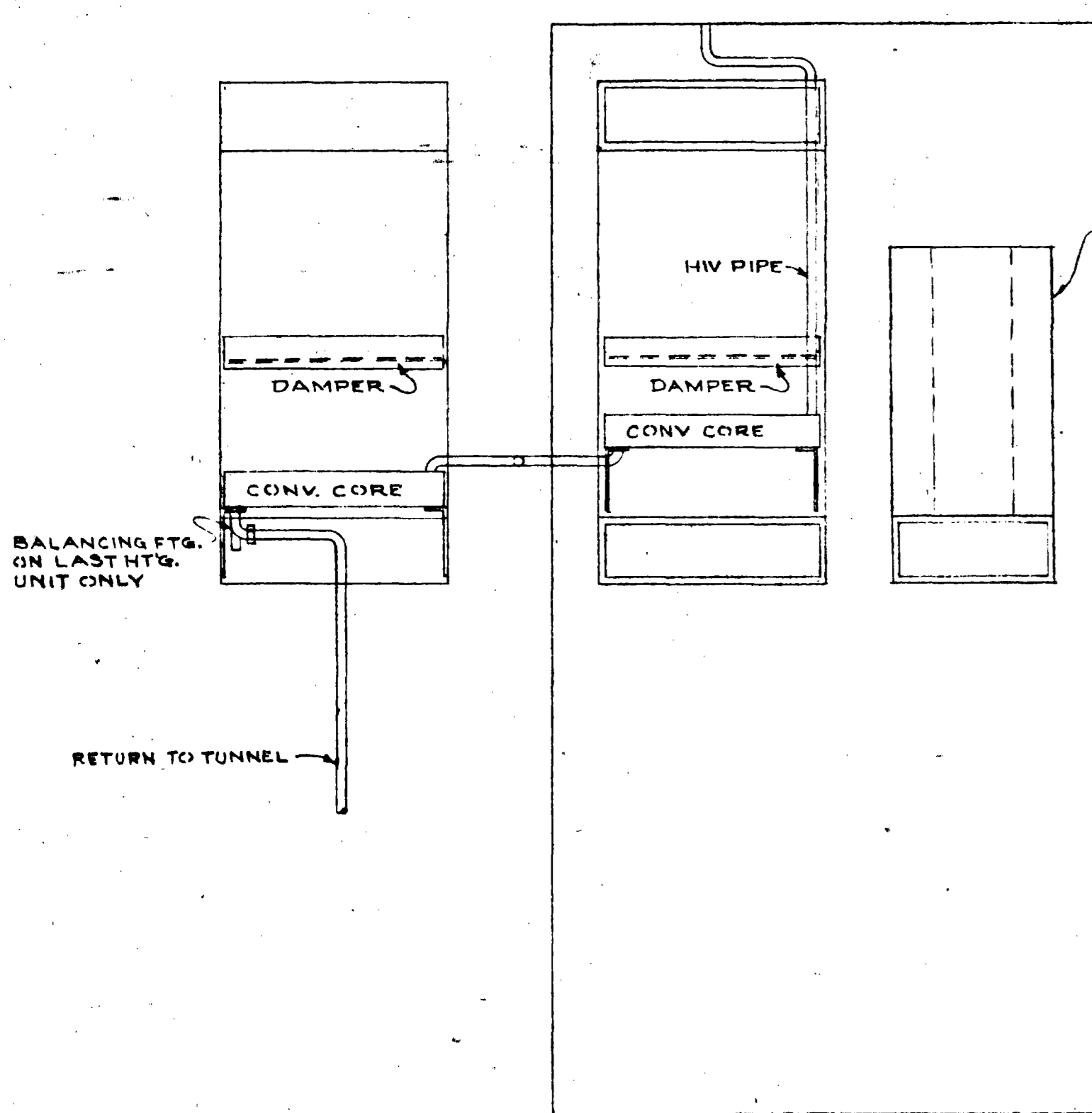
SUPPORT ANCHOR BOLT DETAIL (11) M-34
ACTUAL SIZE



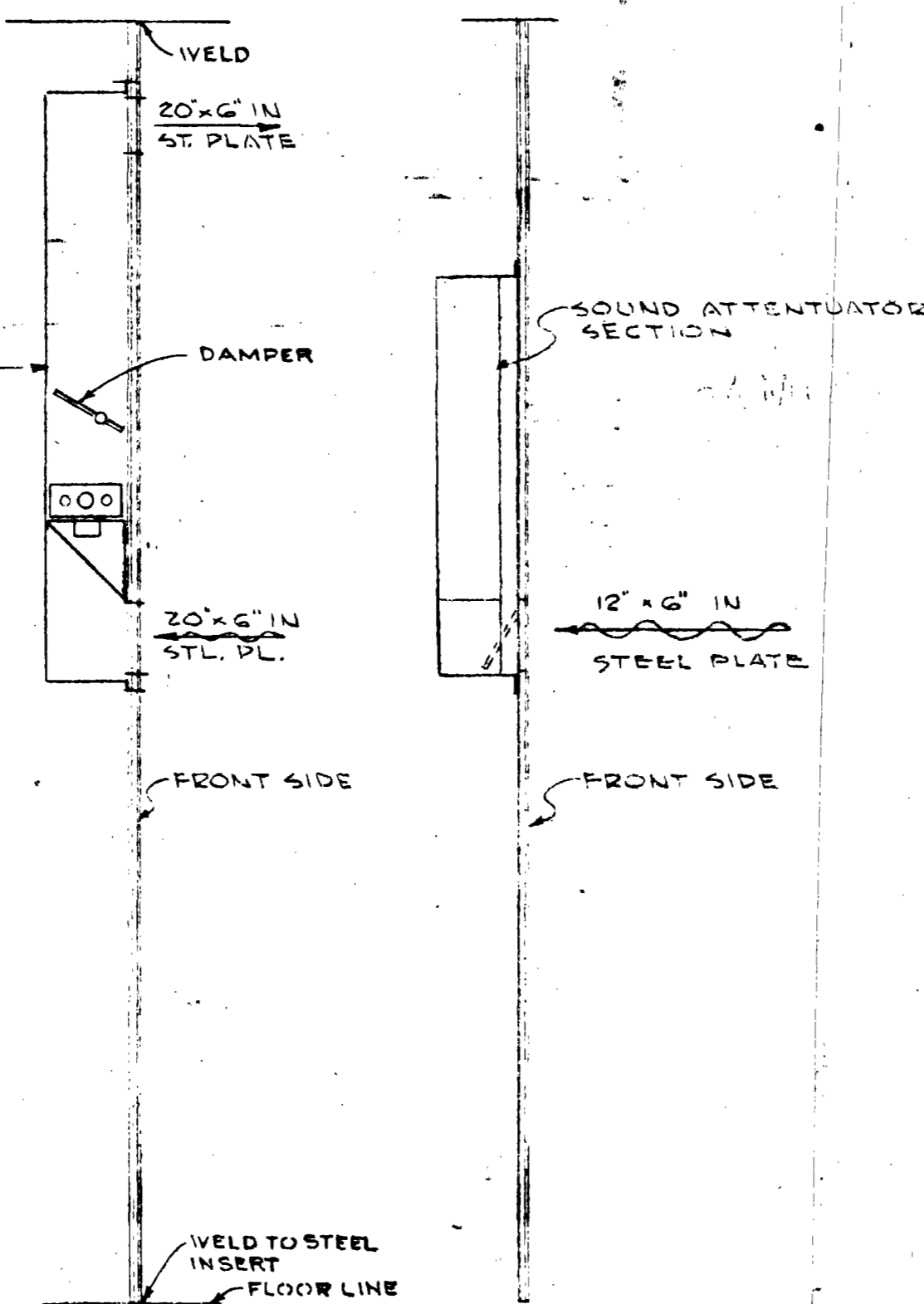
COVER MOUNTING DETAIL (9) M-34
NO. SCALE



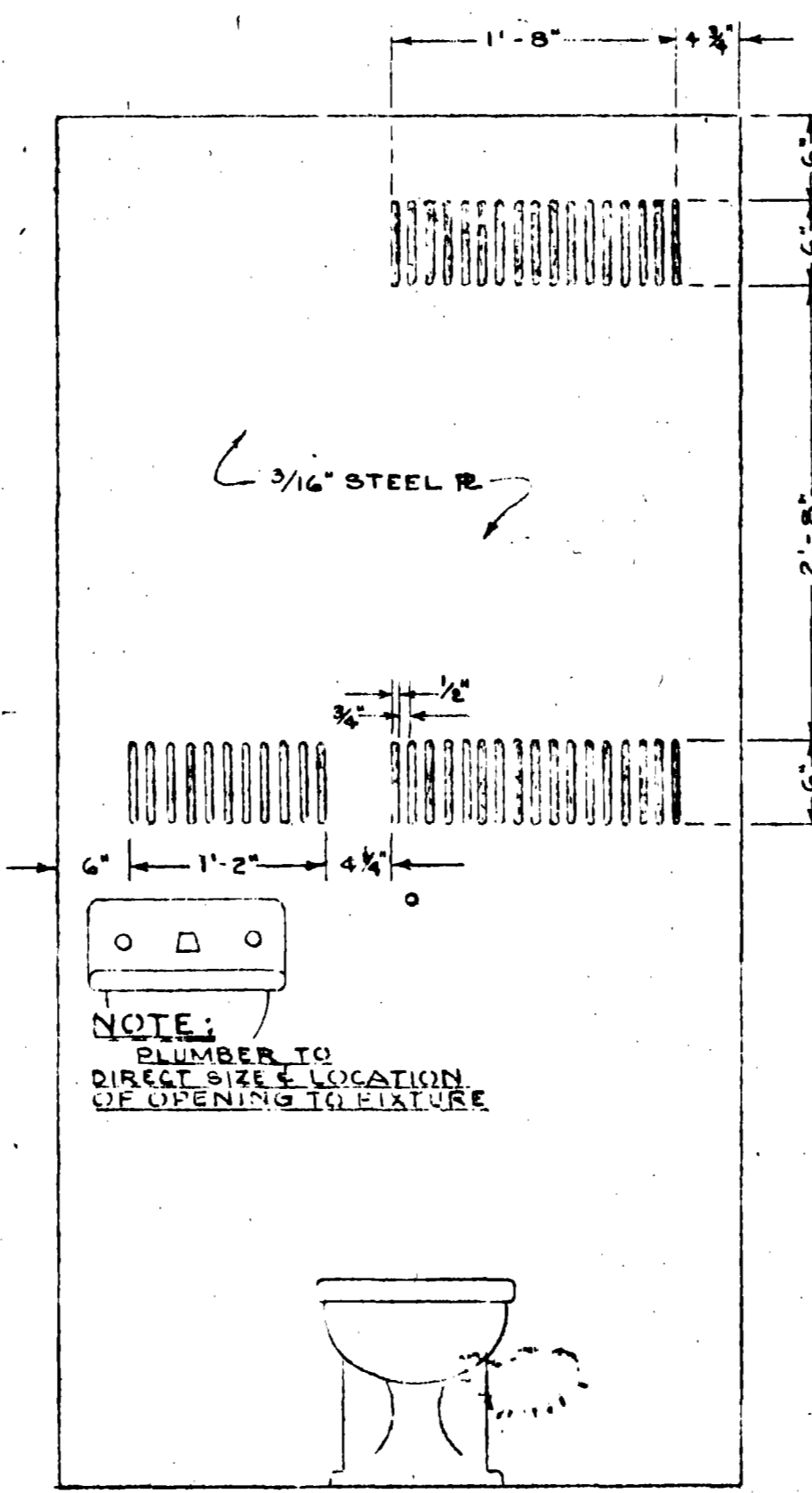
PLAN



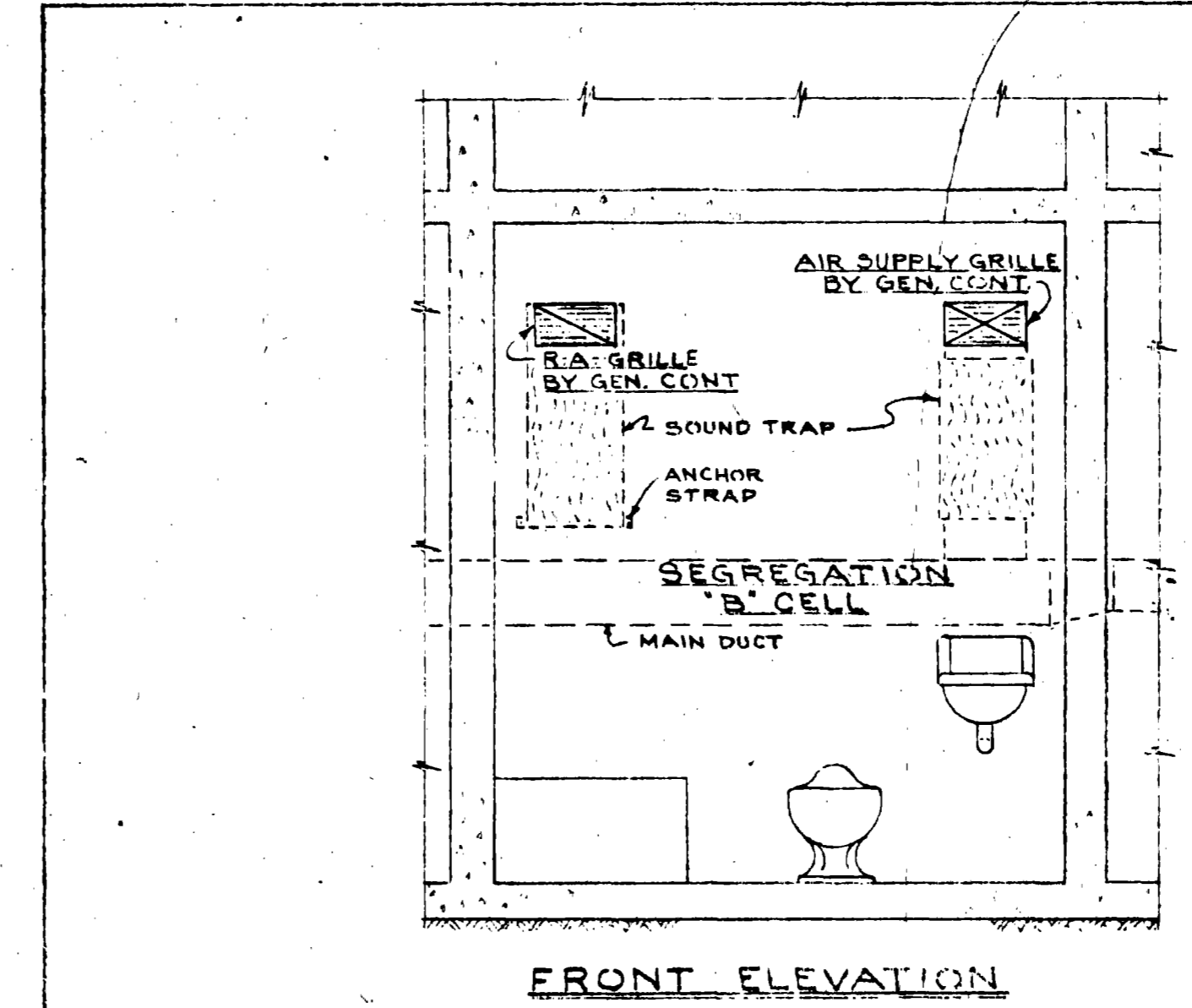
BACKVIEW STEEL PANEL (3) M-34
SCALE: 1/2" = 1'-0"



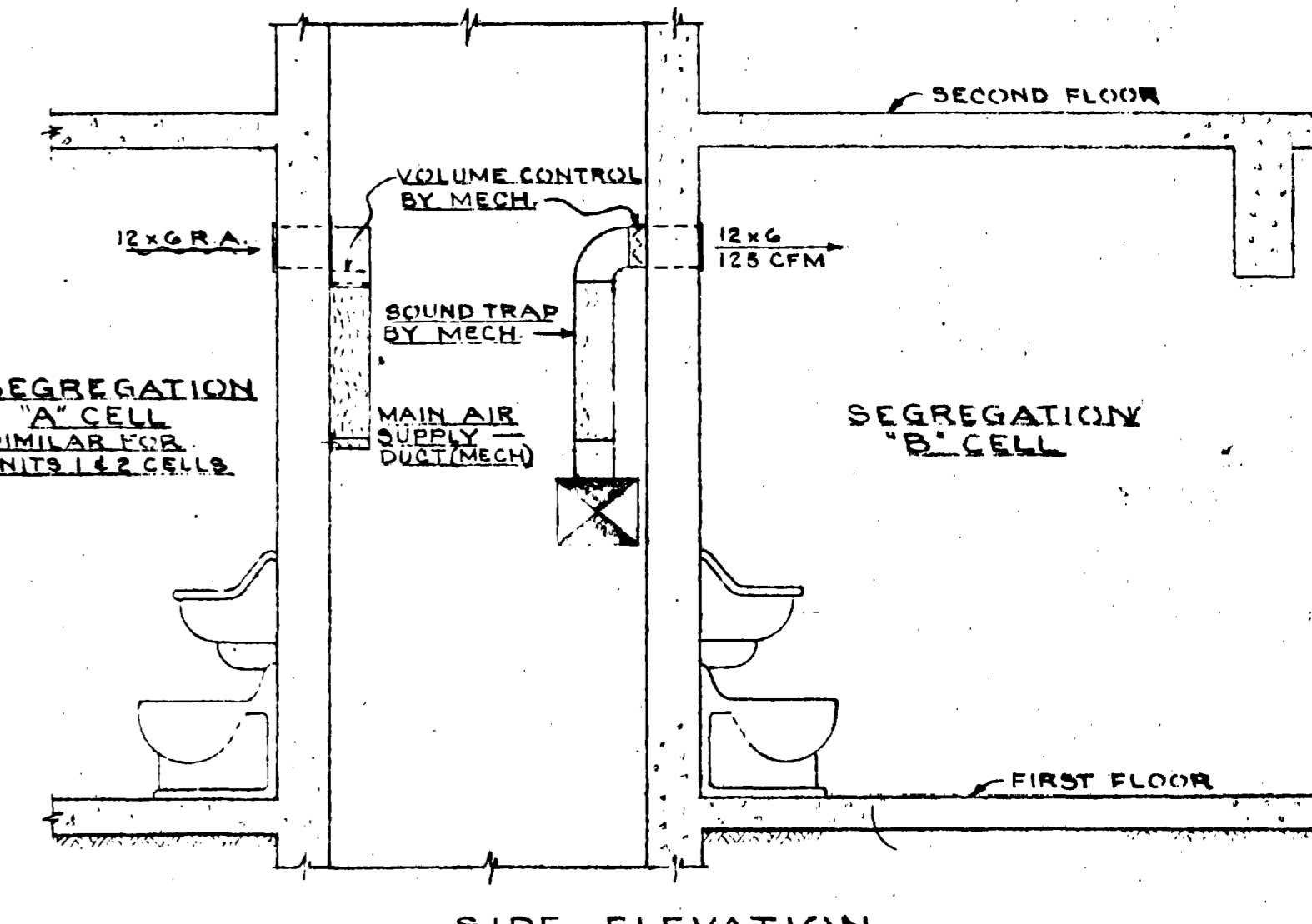
SECTIONS (4) M-34
SCALE: 1/2" = 1'-0"



FRONT VIEW STEEL PANEL (5) M-34
SCALE: 1/2" = 1'-0"

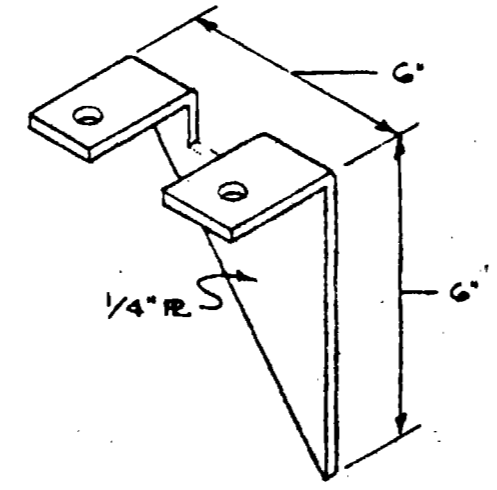


FRONT ELEVATION

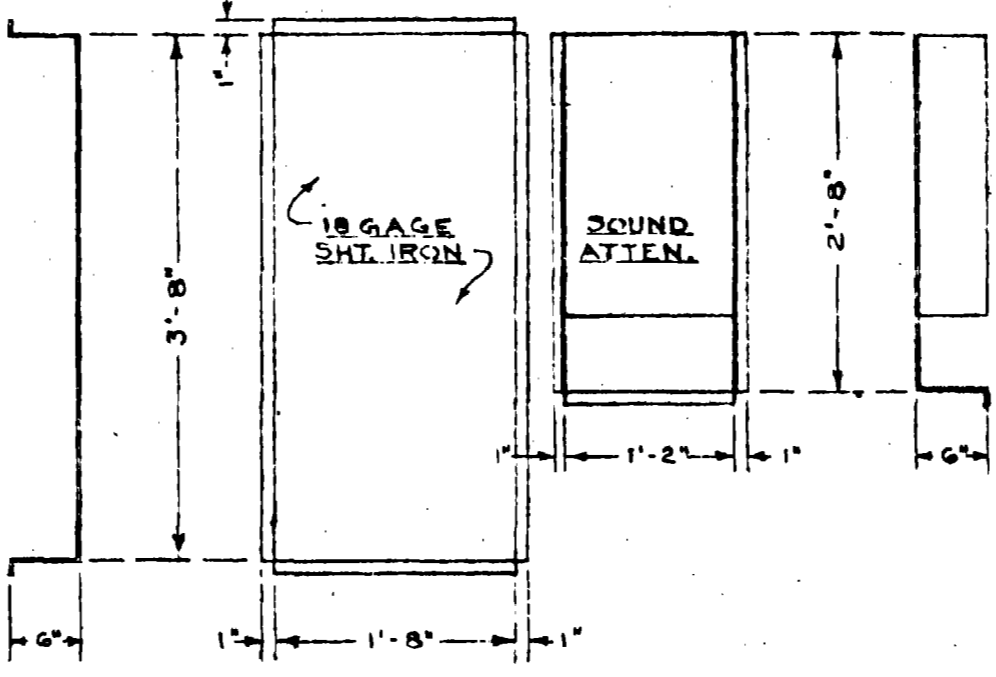


SIDE ELEVATION

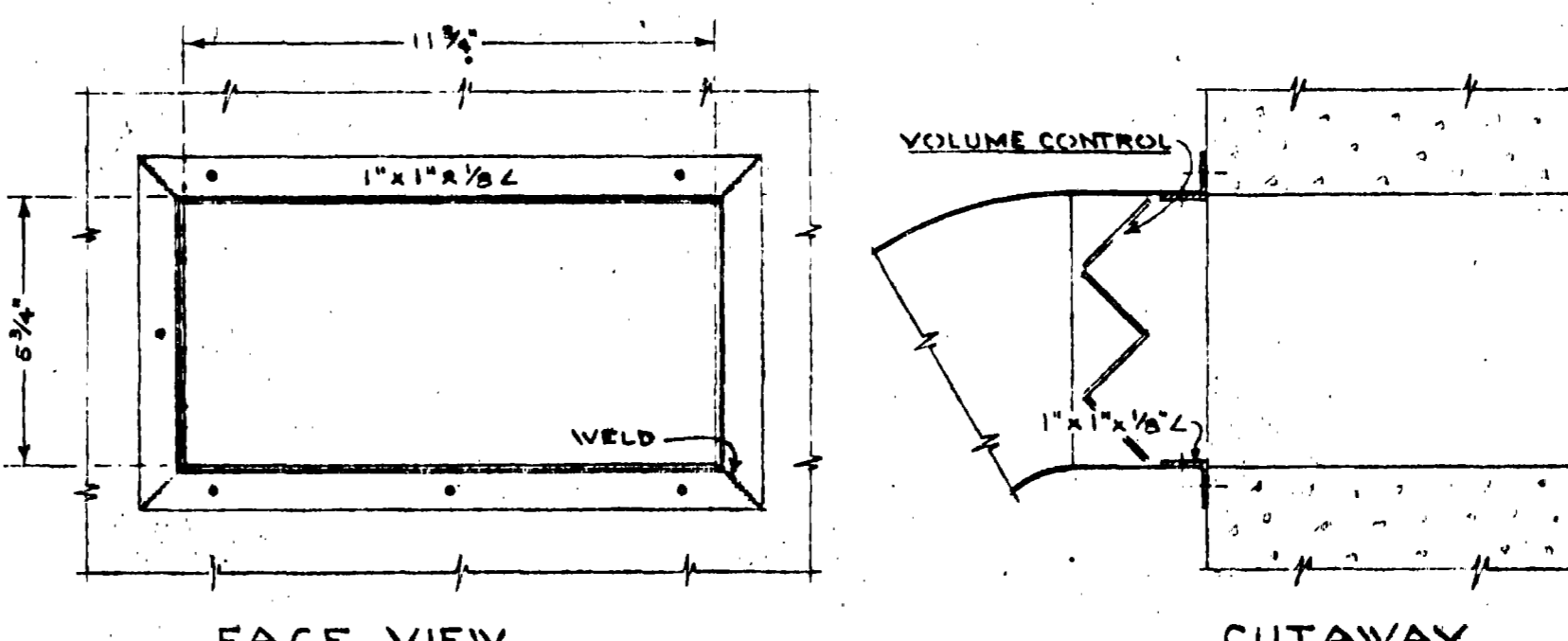
MAXIMUM SECURITY CELL HEATING DETAILS (12) M-34
SCALE: 1/2" = 1'-0"



SUPPORT FOR HEATING ELEMENT (6) M-34
NO. SCALE



COVER DETAILS (13) M-34
SCALE: 1/2" = 1'-0"



FACE VIEW
DUCT SECURING DETAILS (14) M-34
SCALE: 1/2" = 1'-0"



NO.	DATE	REVISIONS

