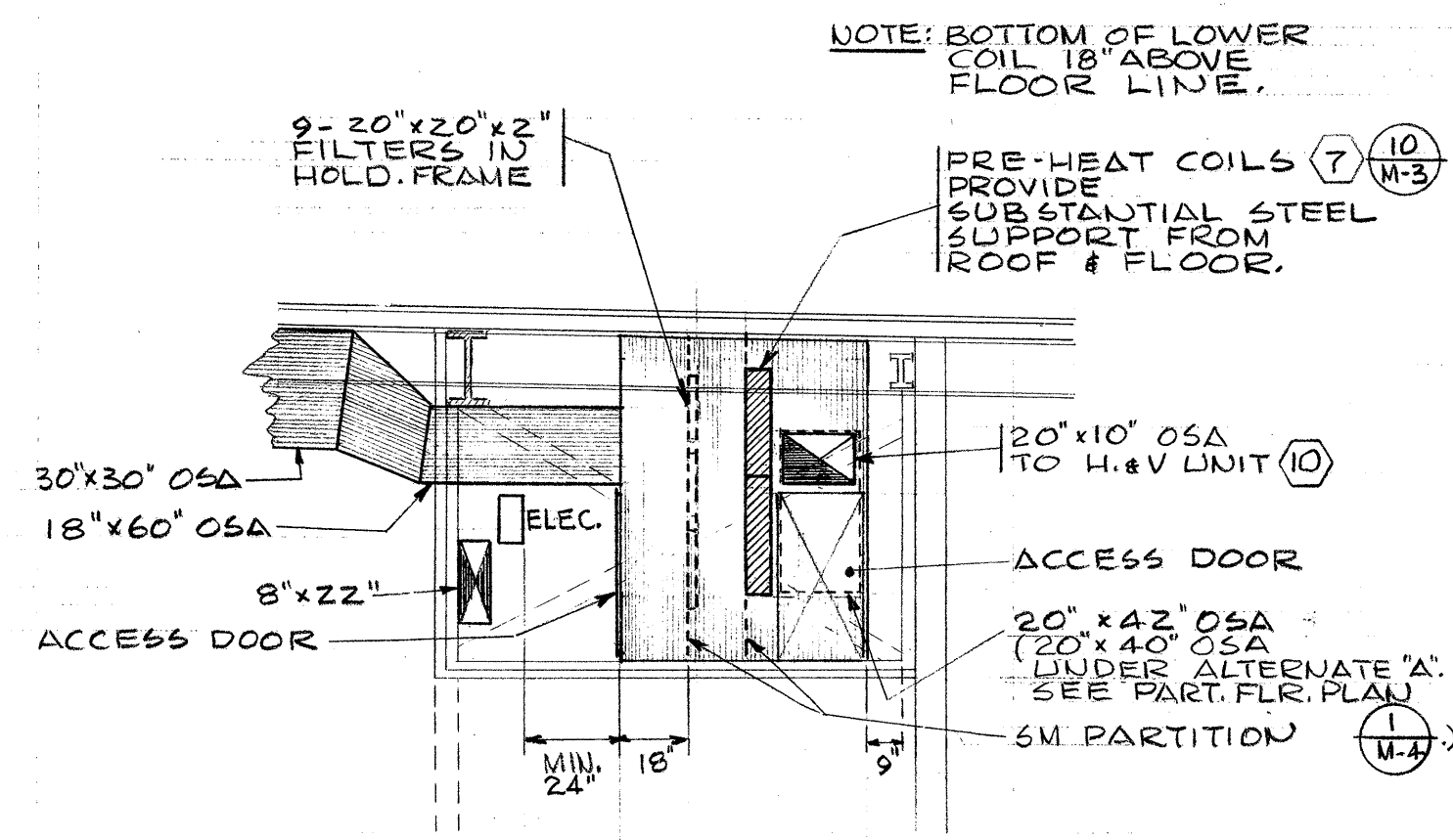
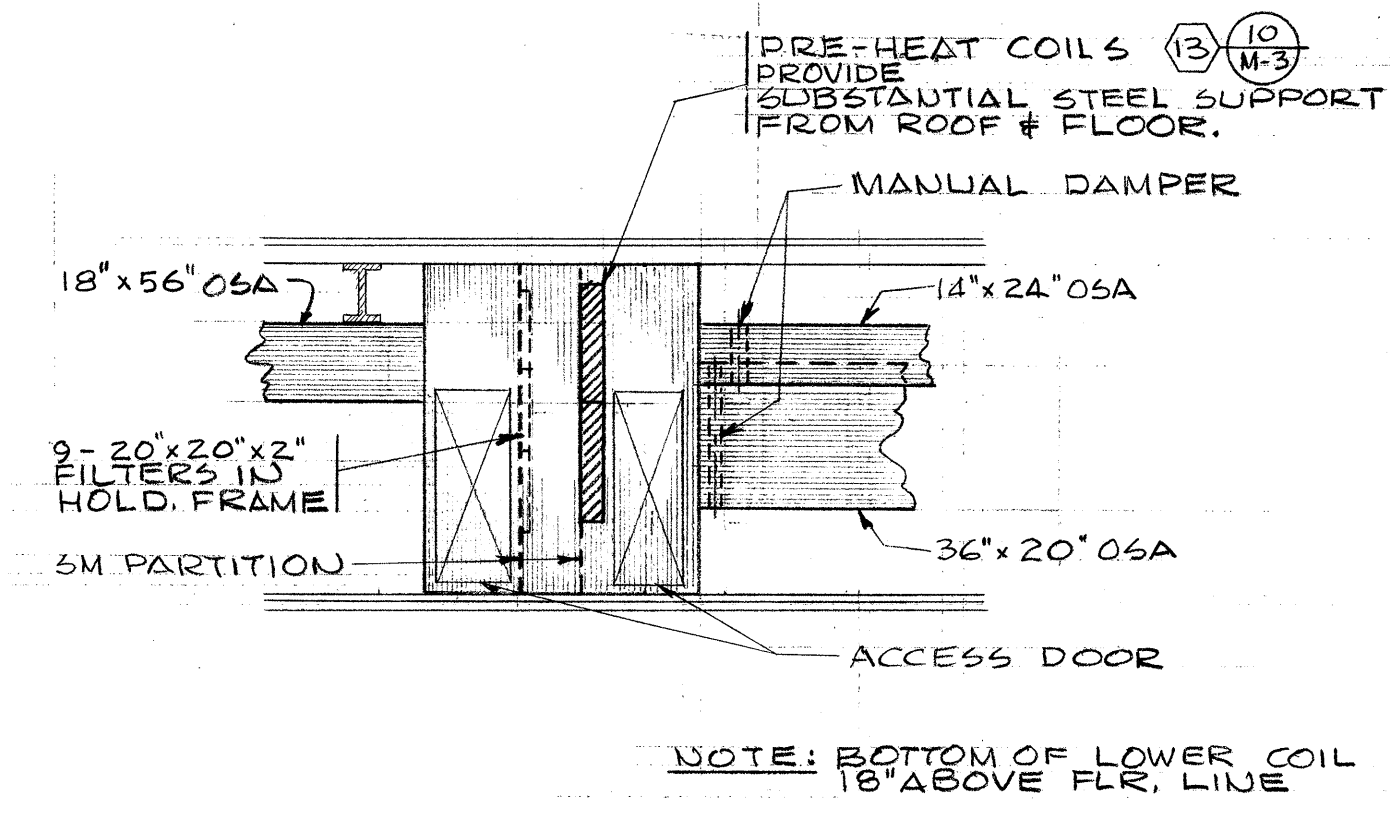


1 PARTIAL FAN ROOM FLOOR PLAN  
SCALE: 1/8" = 1'-0"  
ALTERNATE "A"



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

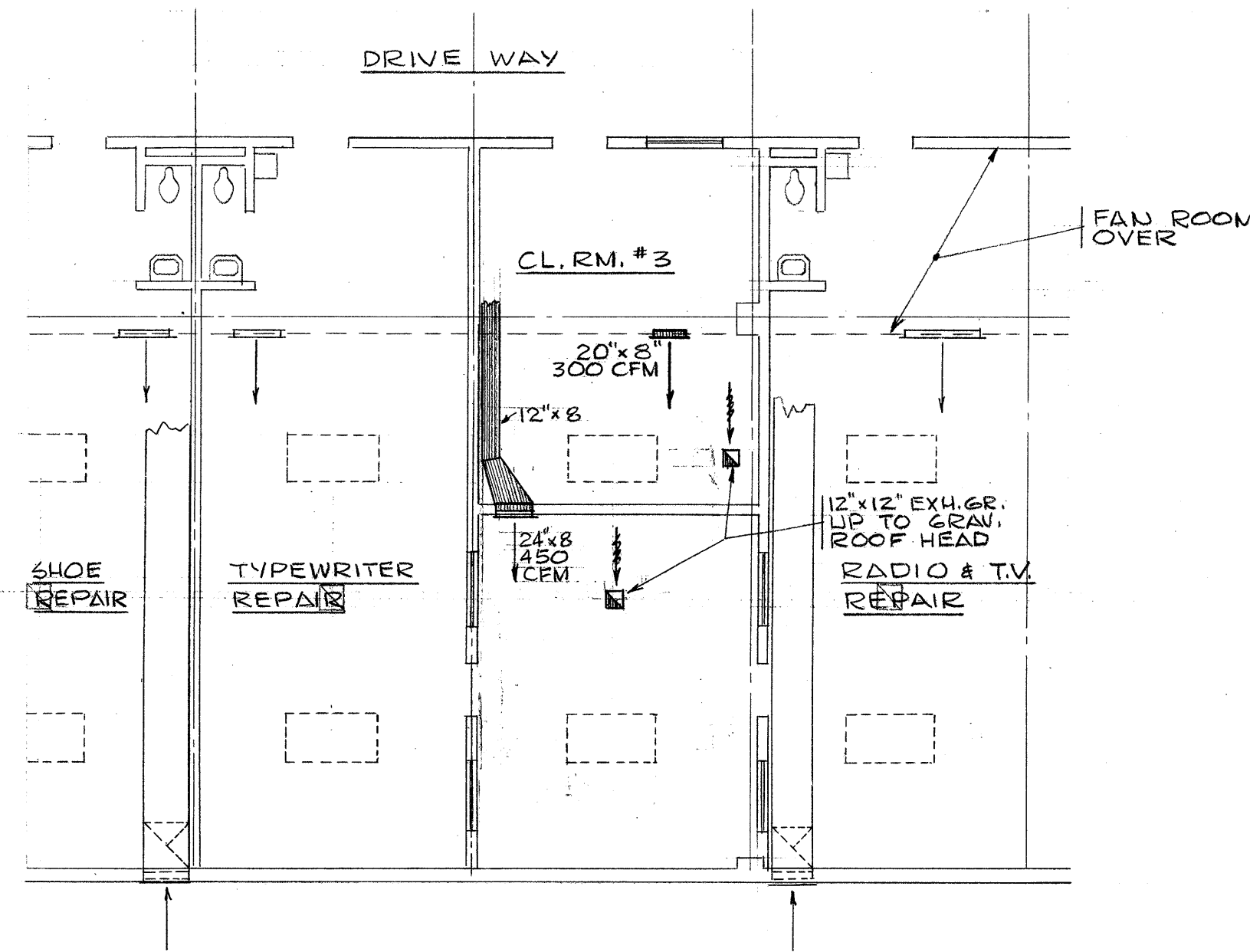


L SECTION "L-L"  
SCALE: 1/4" = 1'-0"

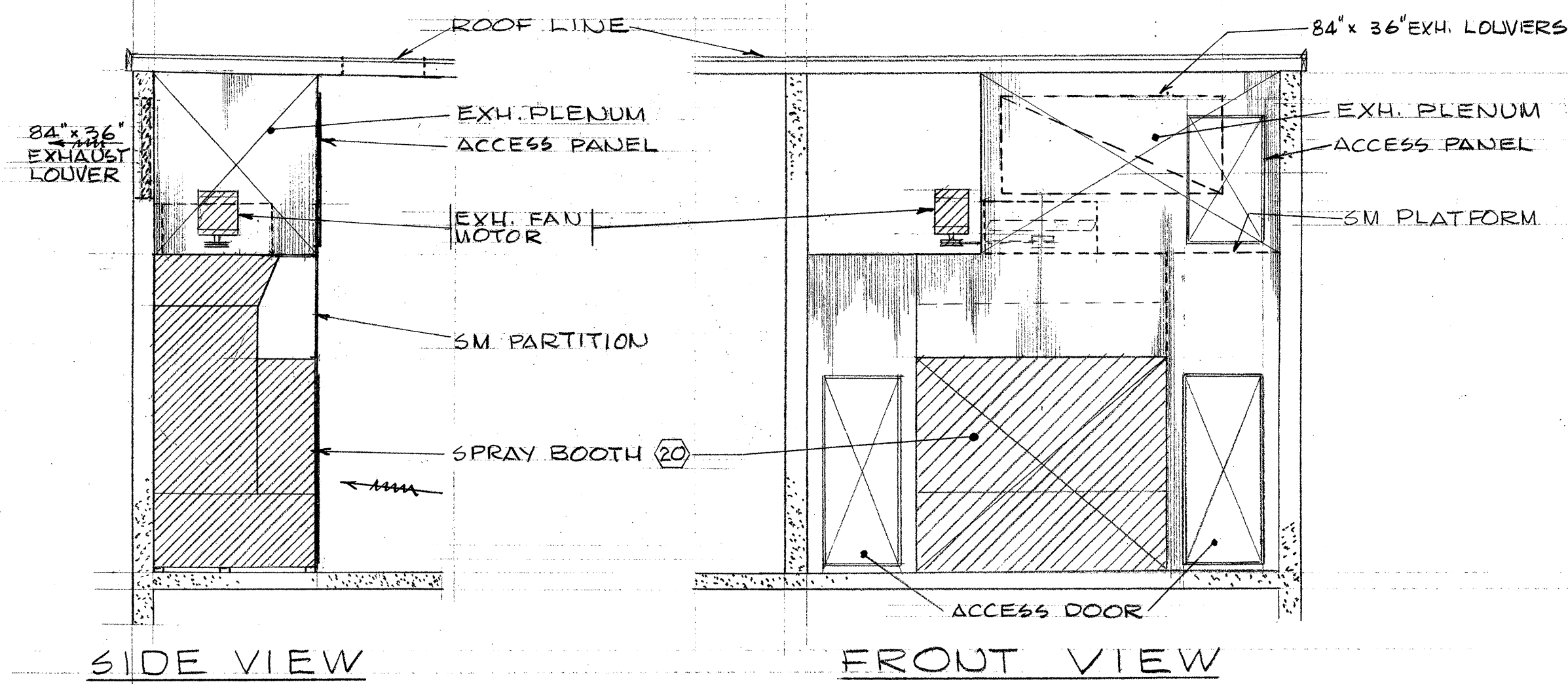
ALTERNATE "A" EQUIPMENT LIST

MARK NO.	DESCRIPTION	SIZE AND/OR CAPACITIES
(5)	VERTICAL H.V. UNIT	1850 CFM @ 7/8" S.P. 1 HP MOTOR 1400 FPM MAX. O.V., 2700 FPM MAX. I.S. COIL TO HEAT 1850 CFM @ 500 FPM MAX. F.V. FROM 50°F TO 110°F VALVE: 120 #/HR., TRAP: 180 #/HR.
(6)	VERTICAL H.V. UNIT QUIET OPERATION	1300 CFM @ 3/4" S.P. 1/2 HP MOTOR 1200 FPM MAX. O.V., 2200 FPM MAX. I.S. COIL TO HEAT 1300 CFM @ 500 FPM MAX. F.V. FROM 50°F TO 100°F VALVE: 70 #/HR., TRAP: 105 #/HR.
(7)	PRE-HEAT COIL 2 REQUIRED	EACH 4575 CFM @ 510 FPM MAX. F.V. SIZE: 54" x 24" TWO COILS TO HEAT 9150 CFM FROM 10°F TO 60°F VALVE#1: 329 #/HR., VALVE#2: 165 #/HR. TRAP: 740 #/HR.

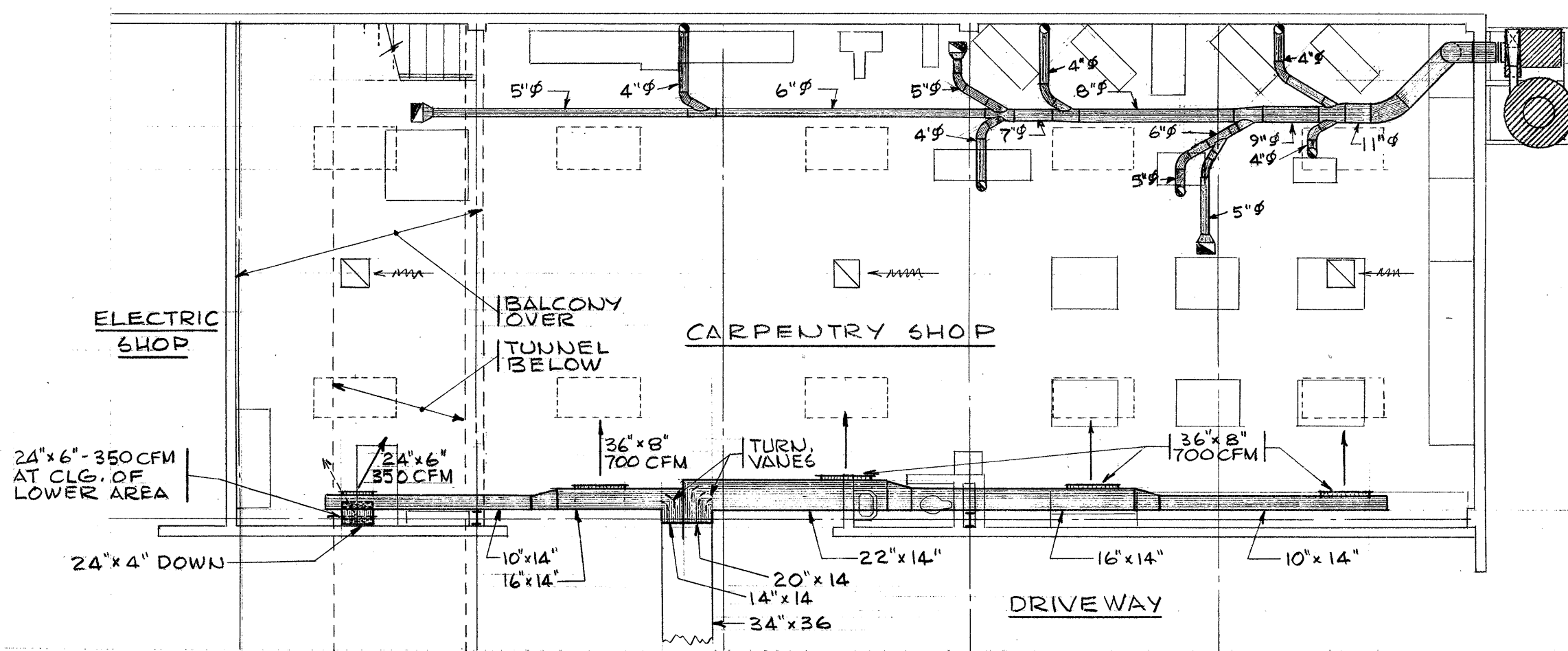
NOTE: UNDER ALTERNATE "A": EXCEPT FOR ITEM (5), (7) & (8), ALL OTHER EQUIPMENT ITEMS REMAIN UNCHANGED. SEE EQUIPMENT LIST ON SHEET M-2 AND H.V. NOTES ON SHEET M-3.



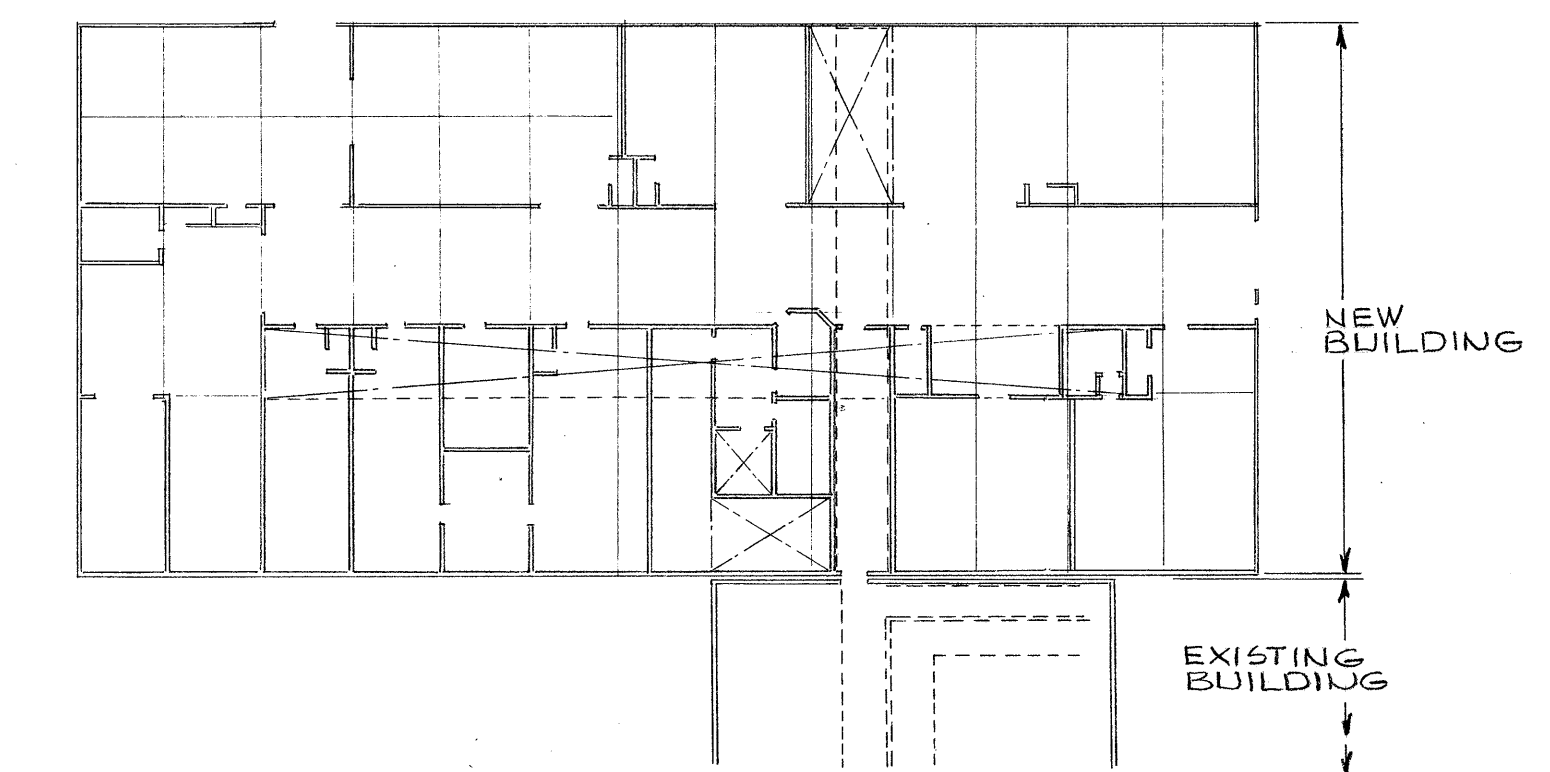
2 PARTIAL FLOOR PLAN  
SCALE: 1/8" = 1'-0"  
ALTERNATE "A"



4 WATER WASH SPRAY PAINT BOOTH DETAILS  
SCALE: 1/4" = 1'-0"



3 CARPENTRY SHOP FLOOR PLAN  
SCALE: 1/8" = 1'-0"  
ALTERNATE "A"



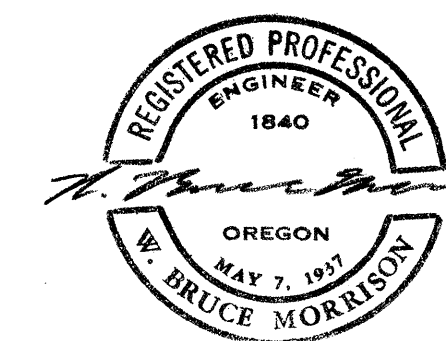
KEY PLAN - ALTERNATE "A"  
SCALE: 1/32" = 1'-0"

OREGON STATE CORRECTIONAL INSTITUTION

INDUSTRIAL VOCATIONAL UNIT #19  
SALEM, OREGON

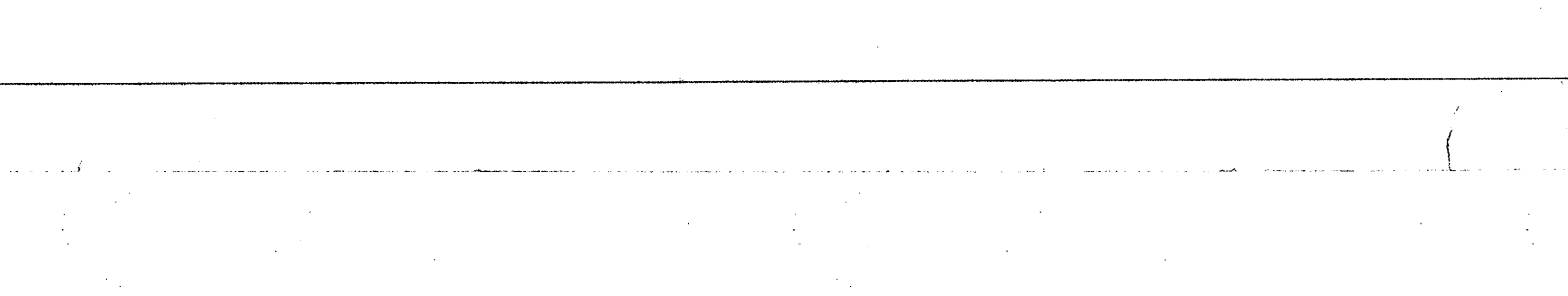
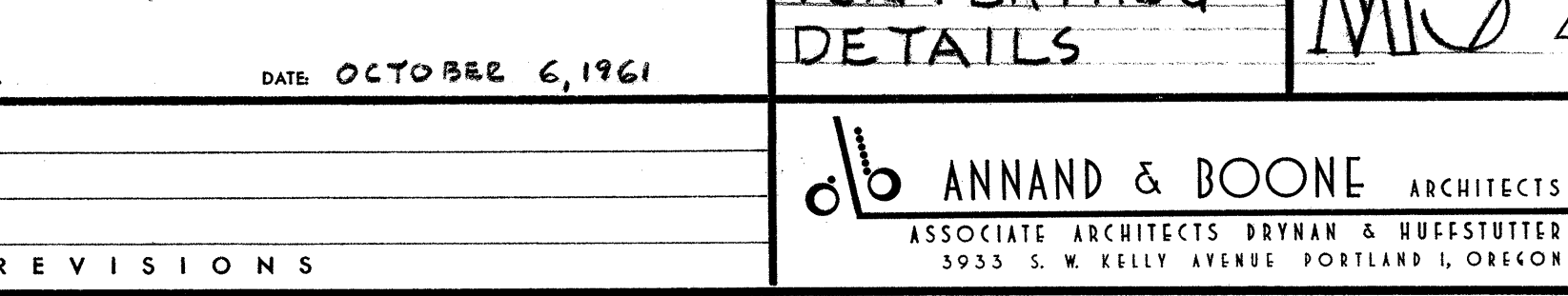
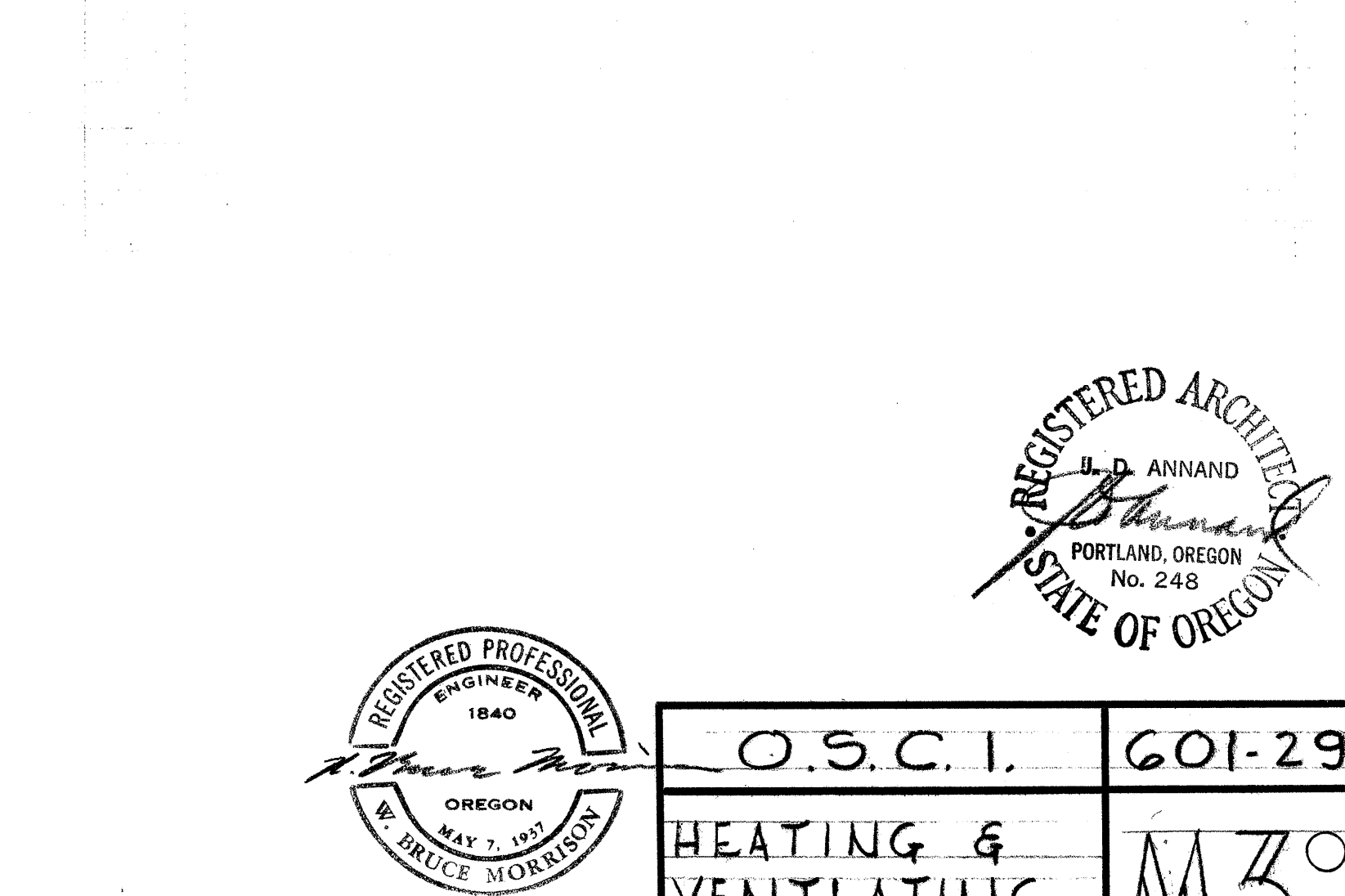
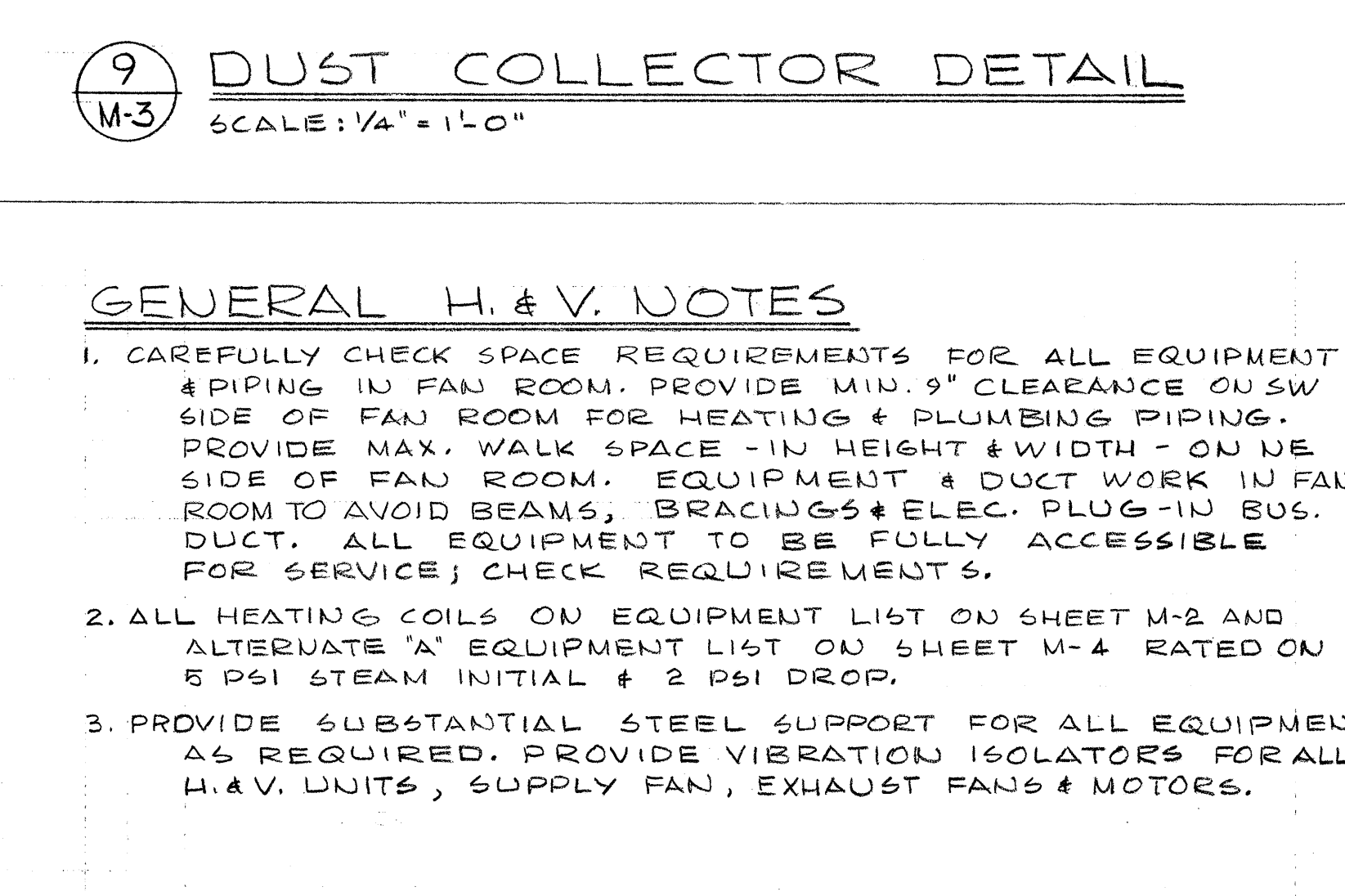
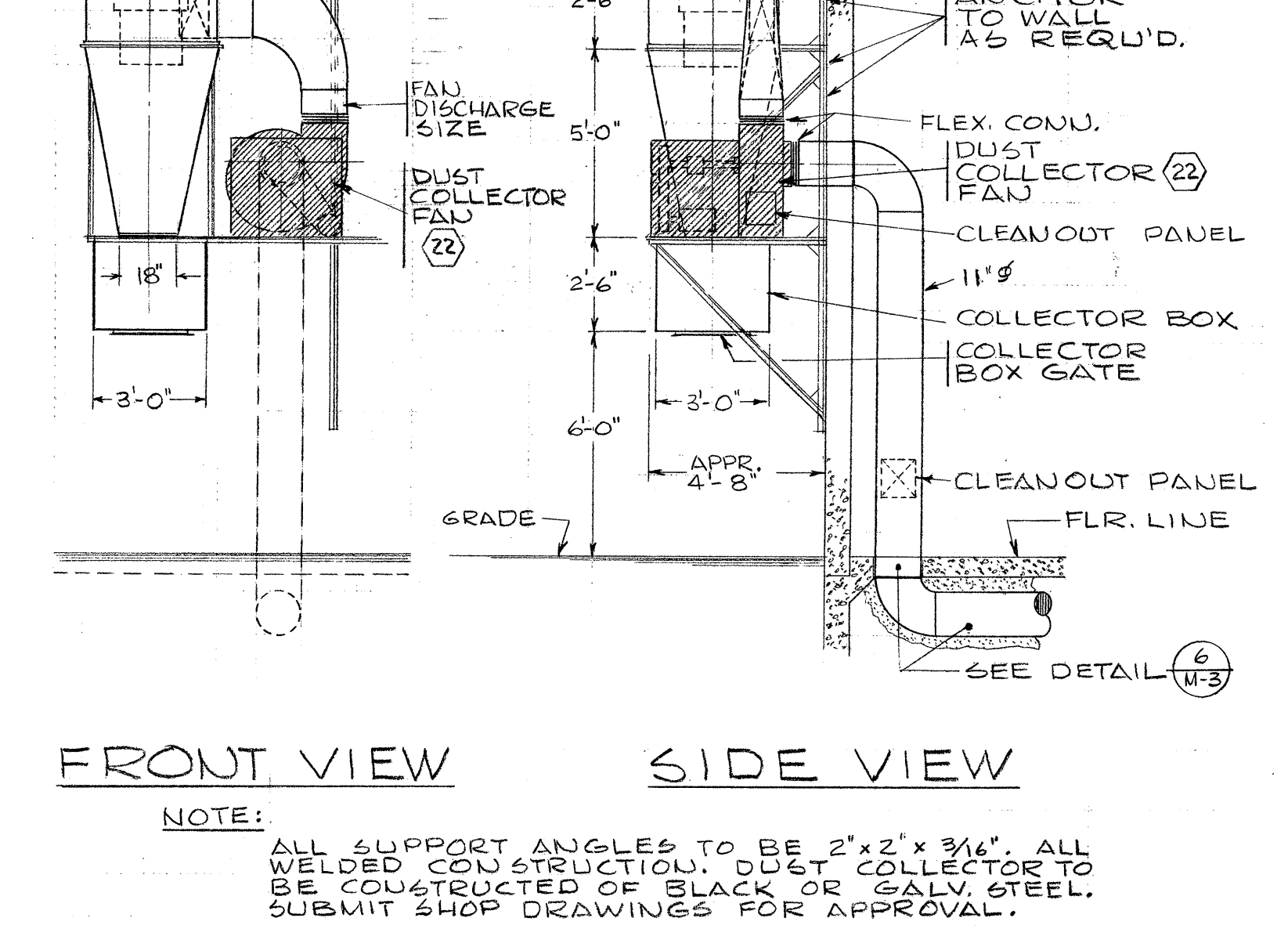
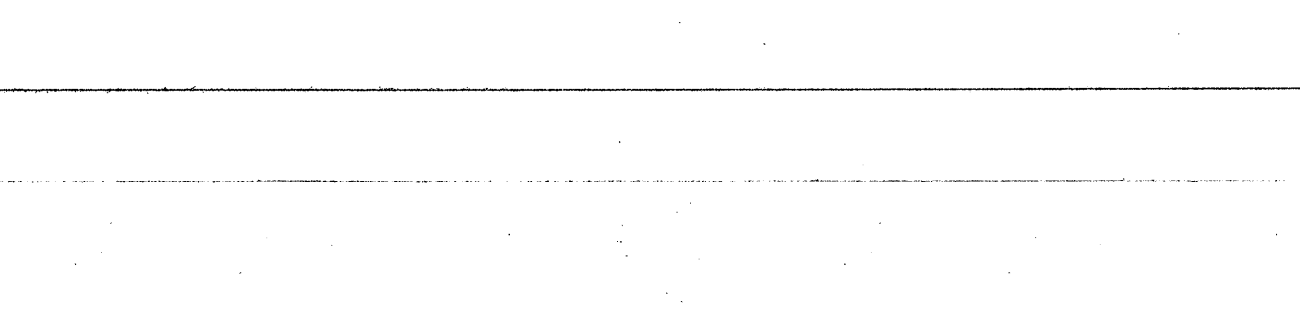
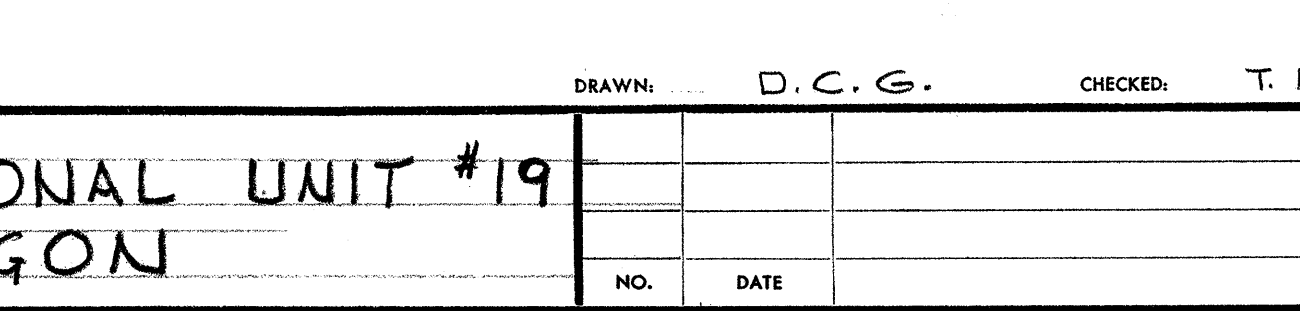
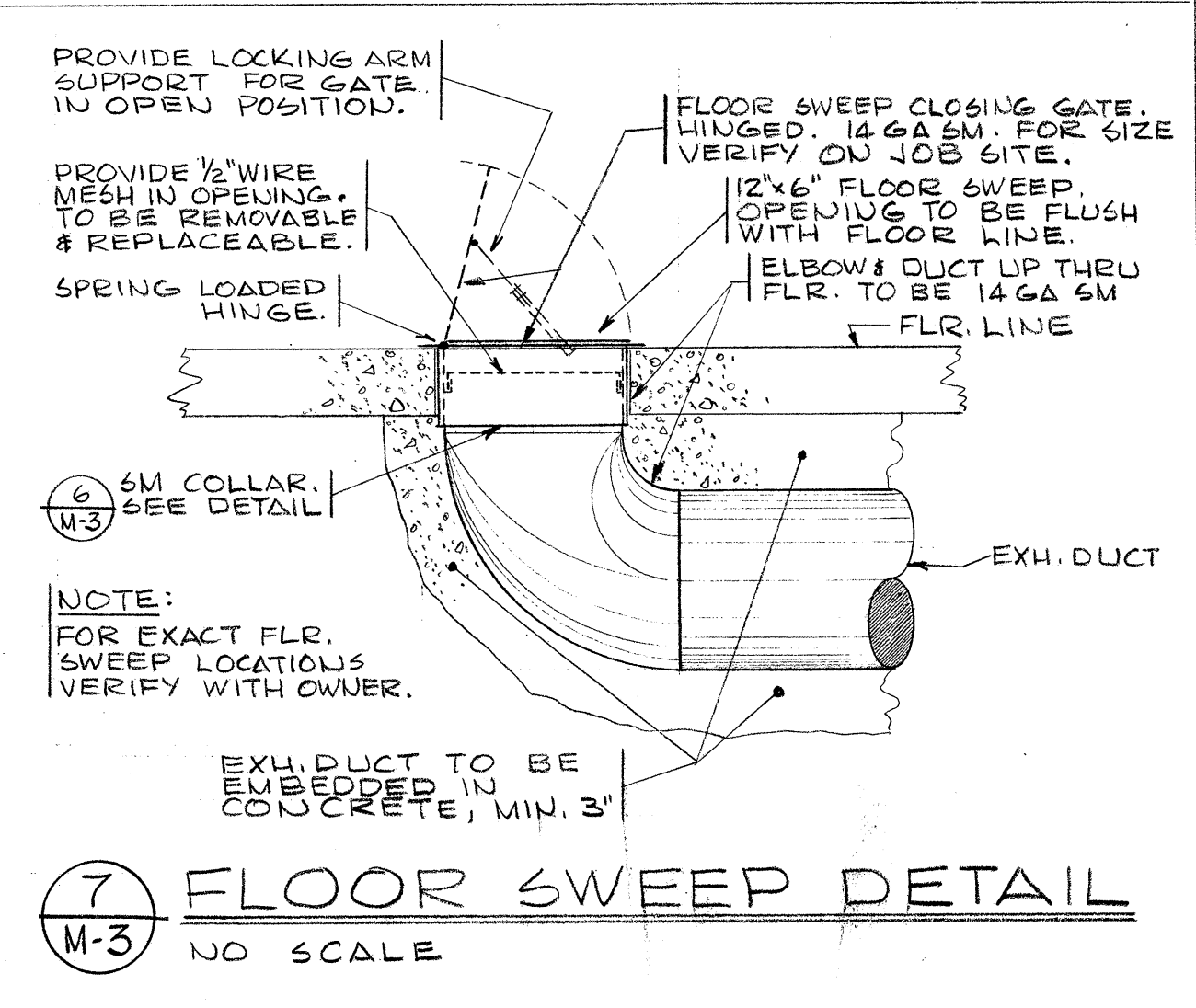
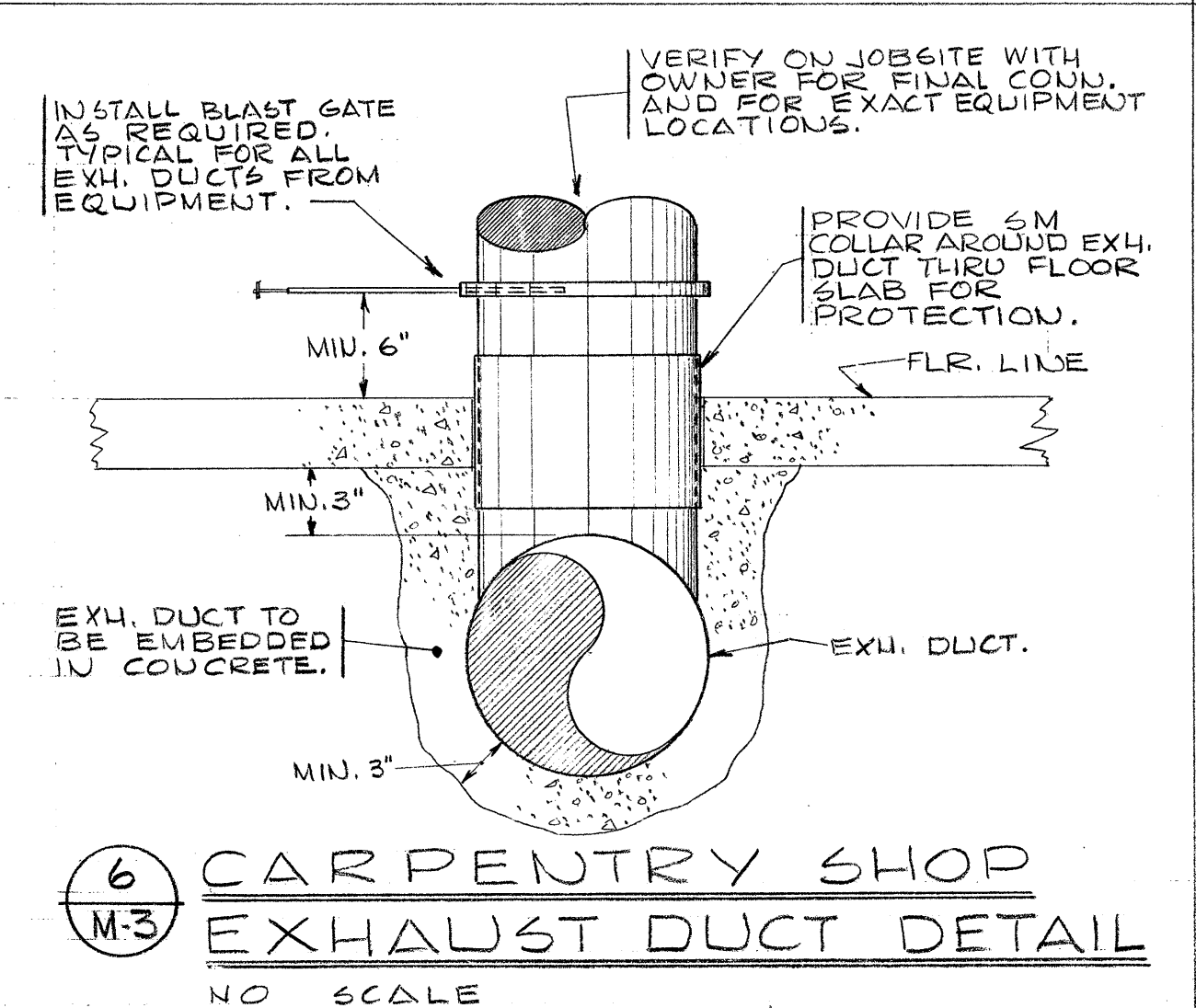
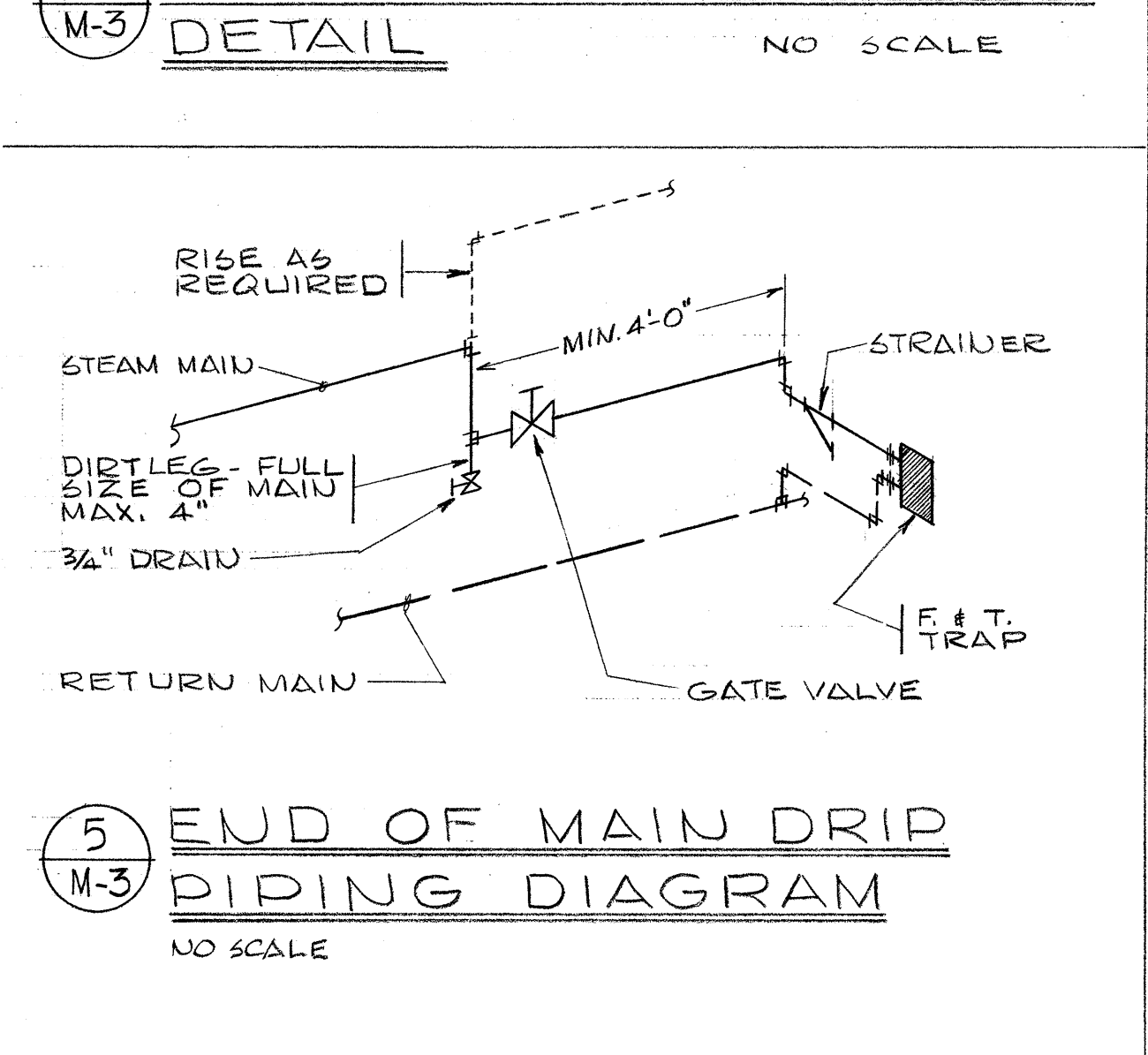
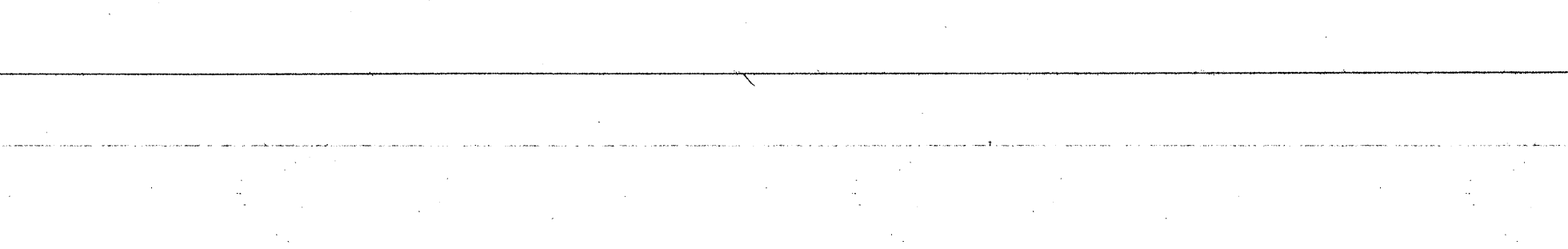
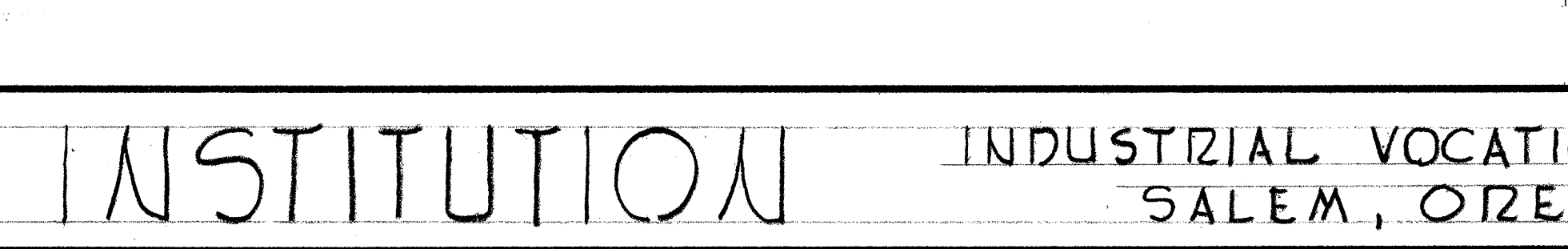
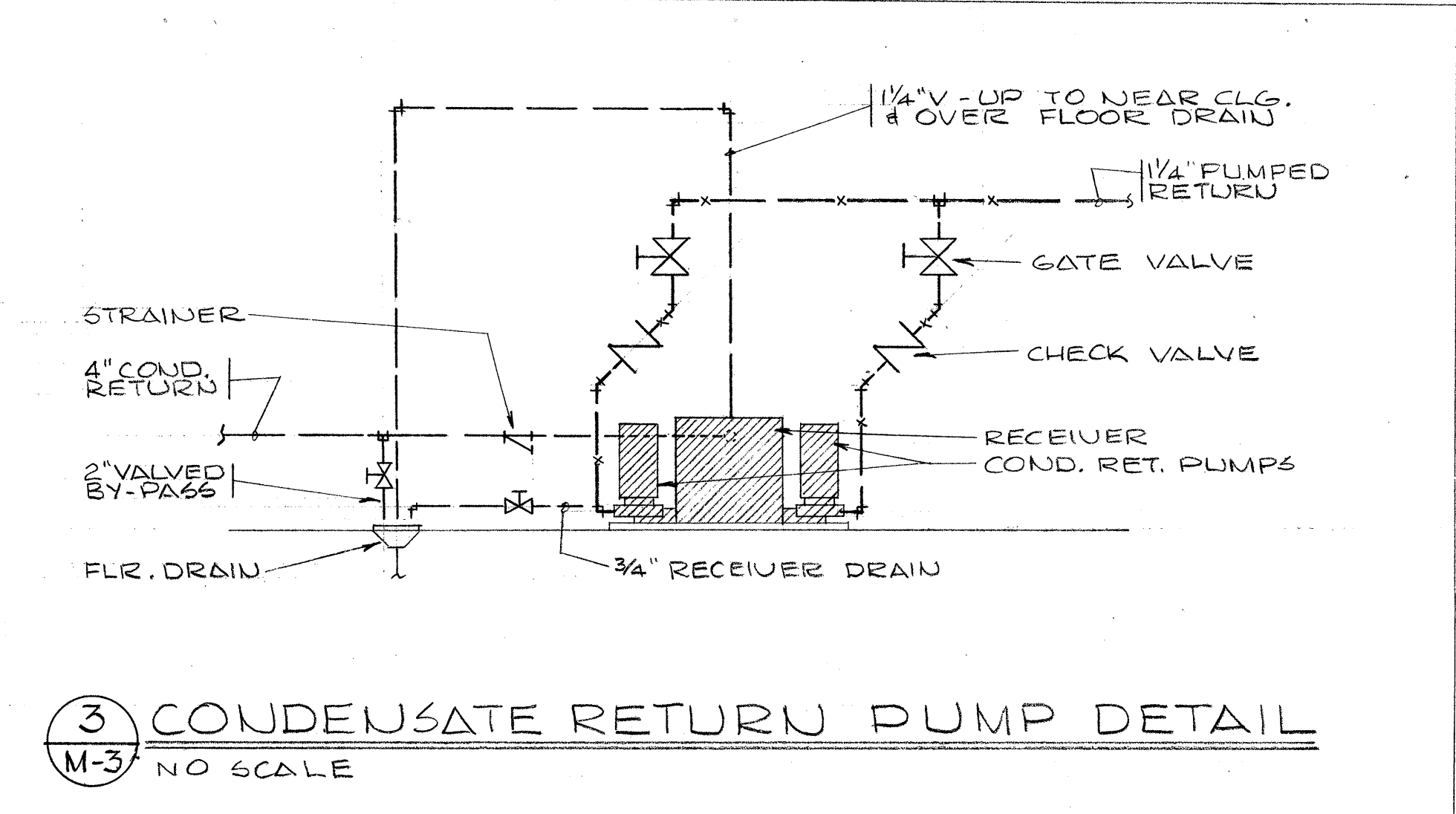
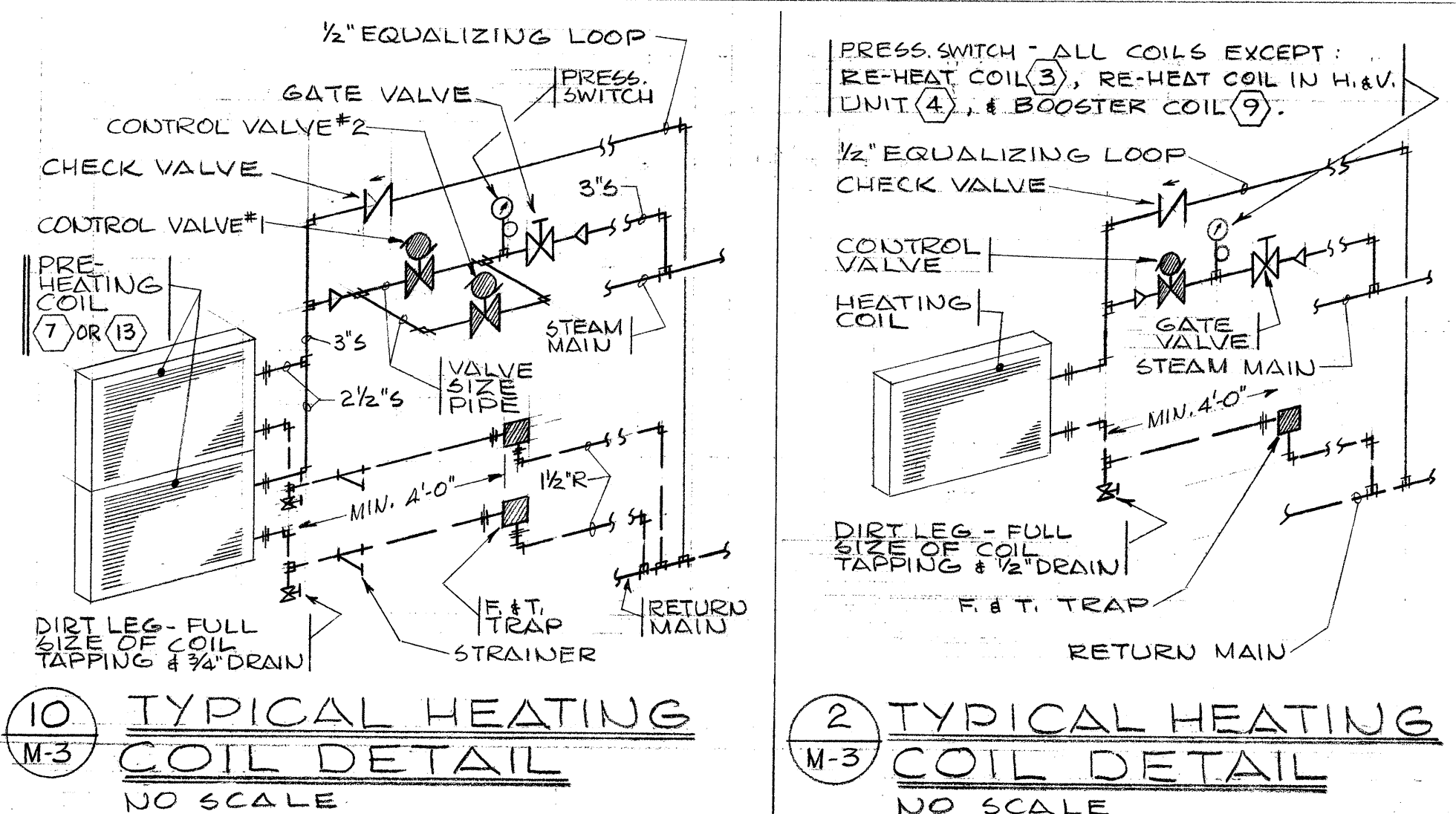
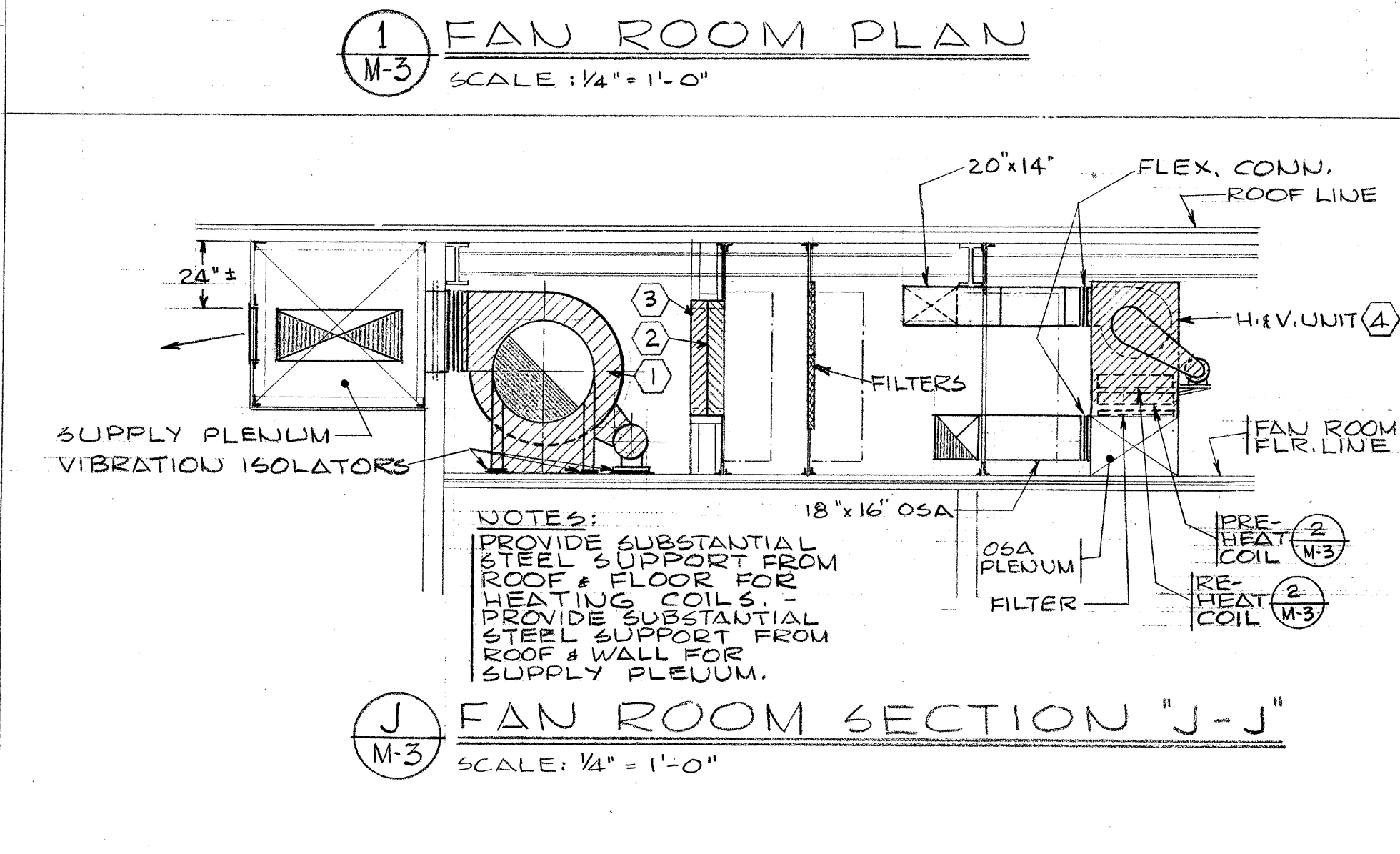
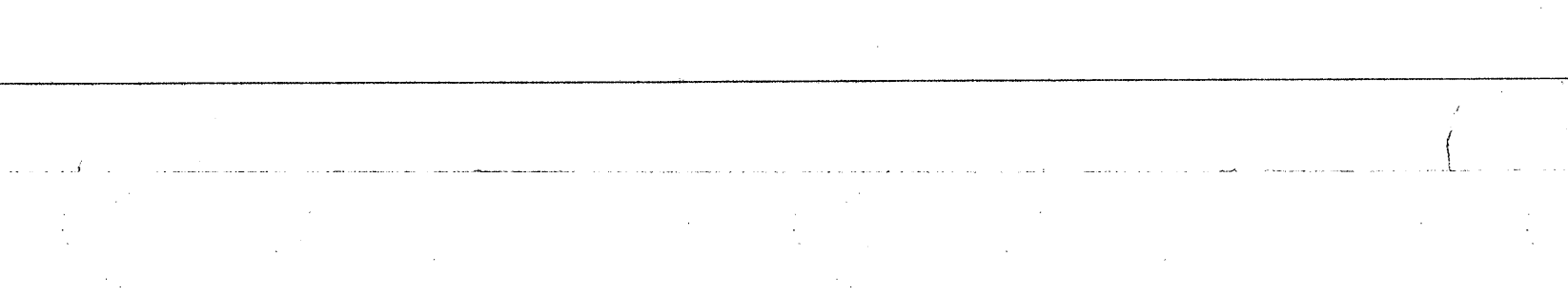
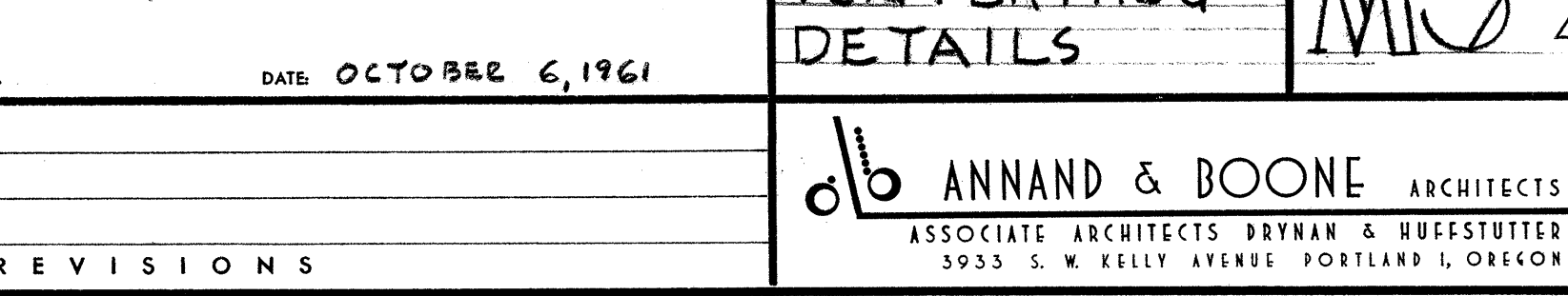
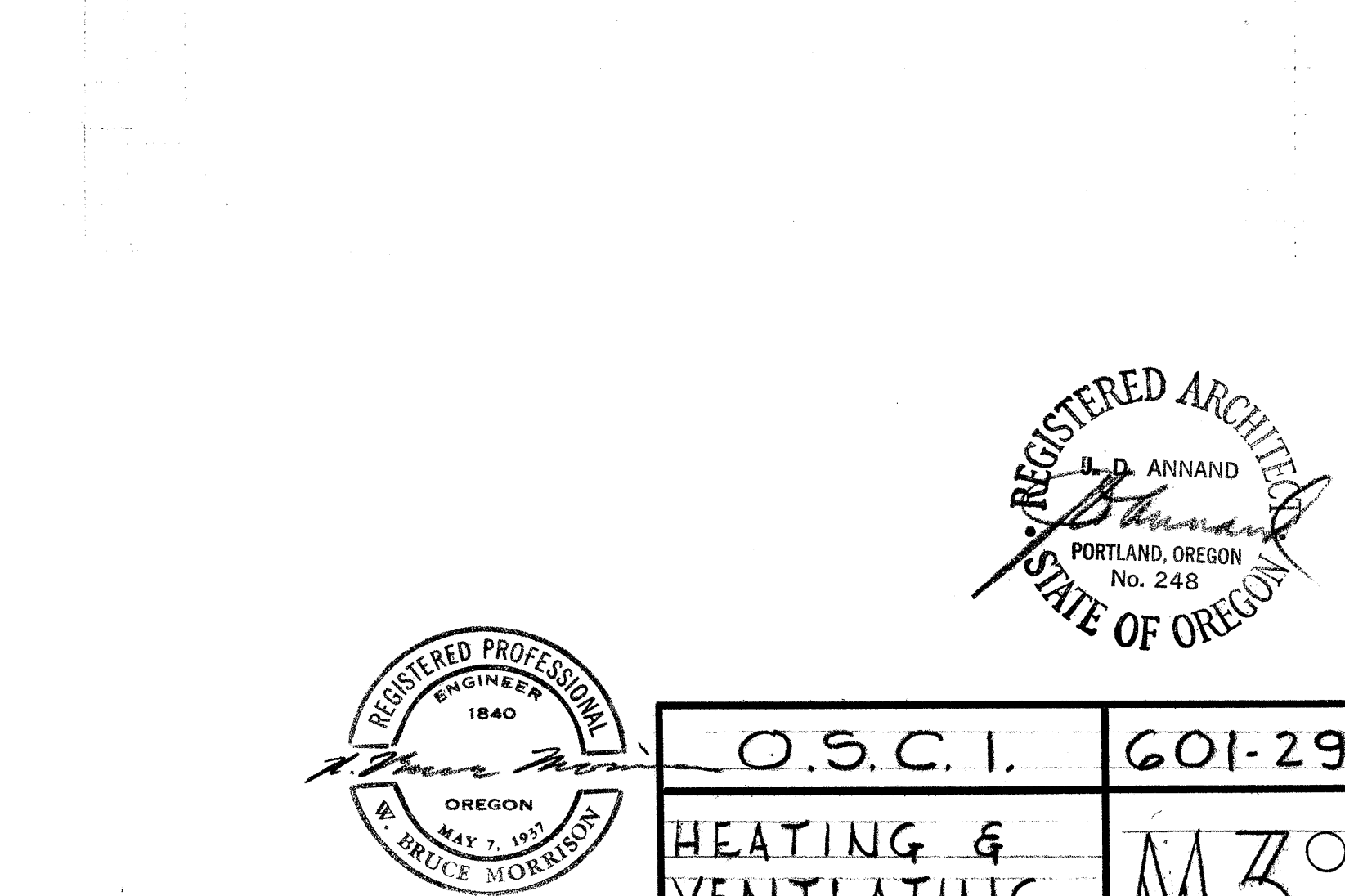
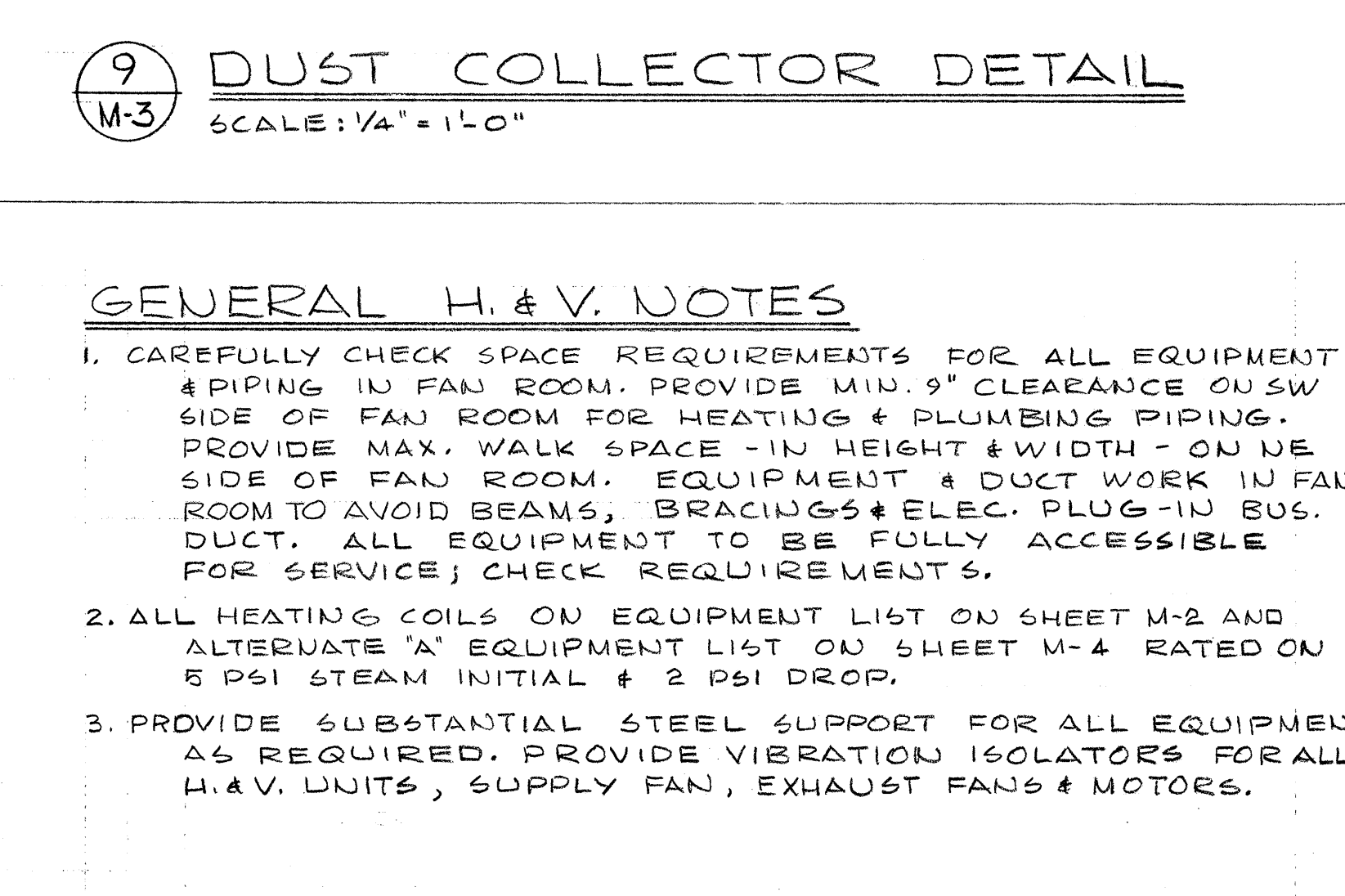
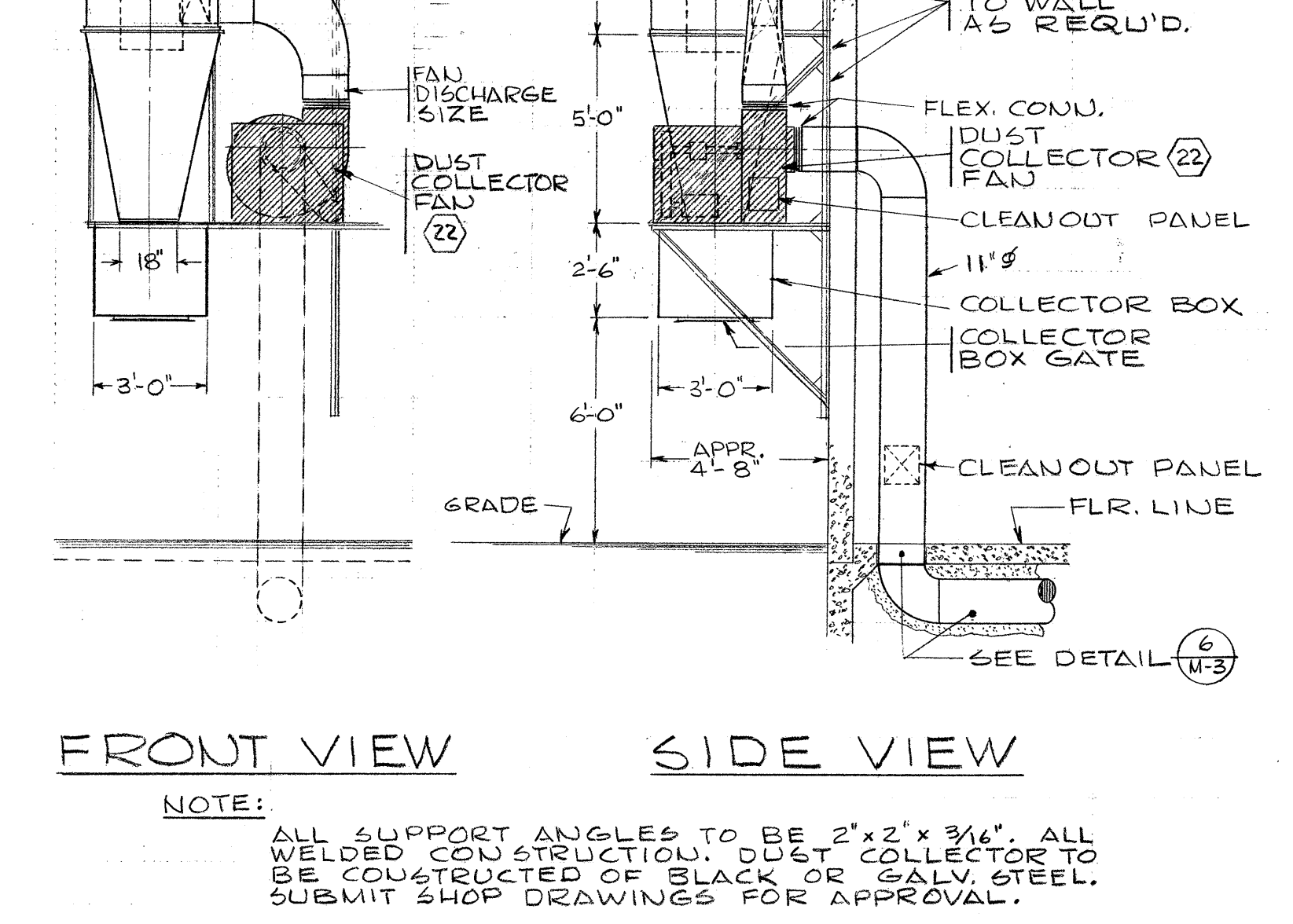
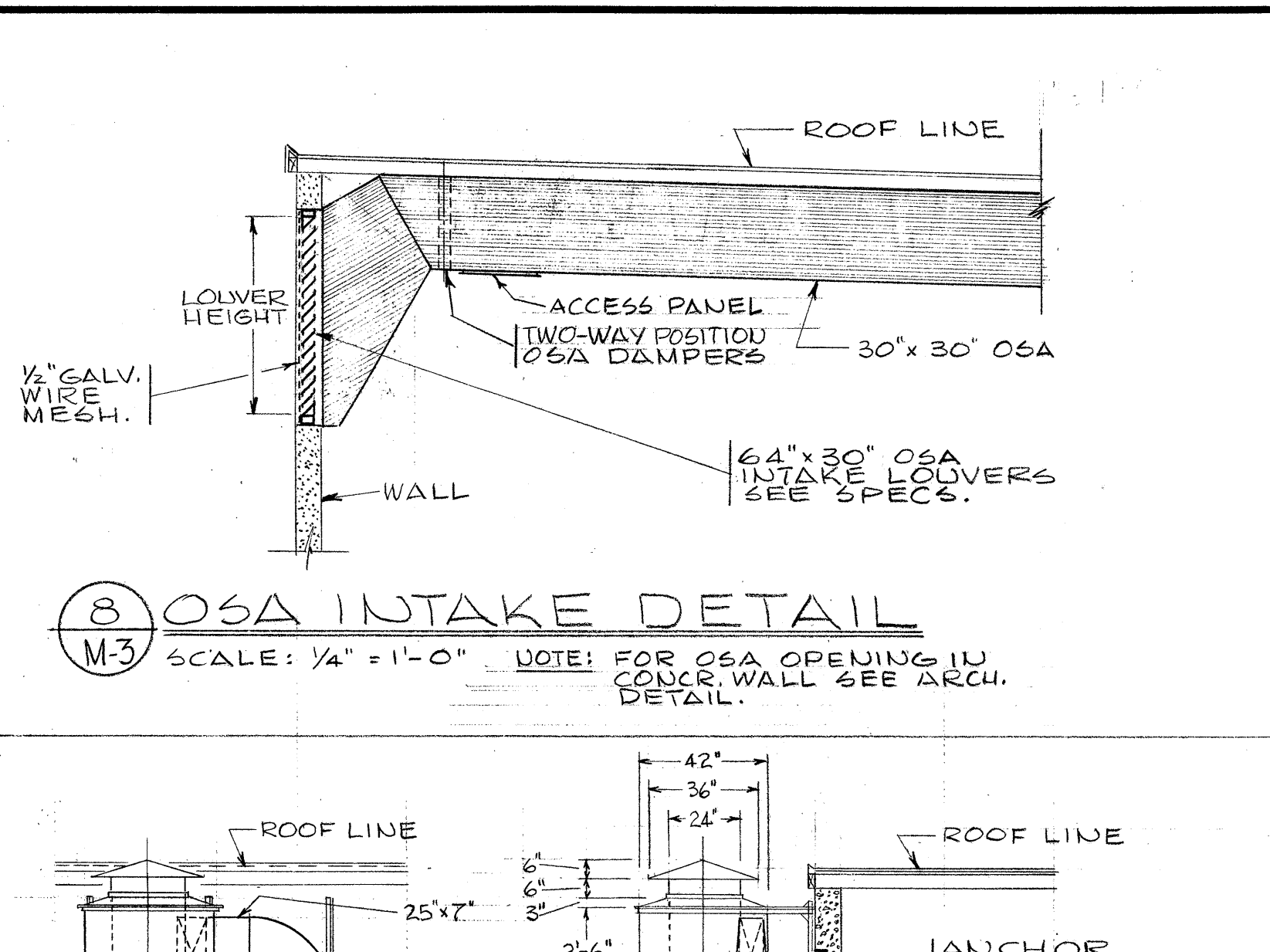
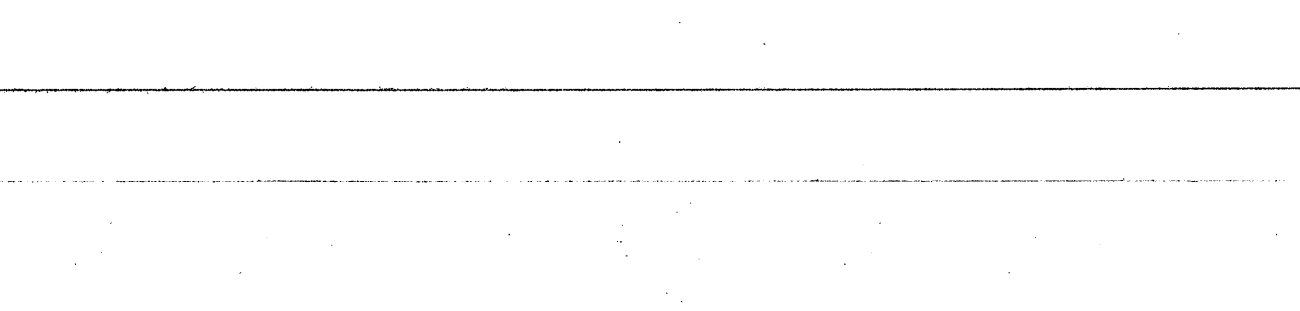
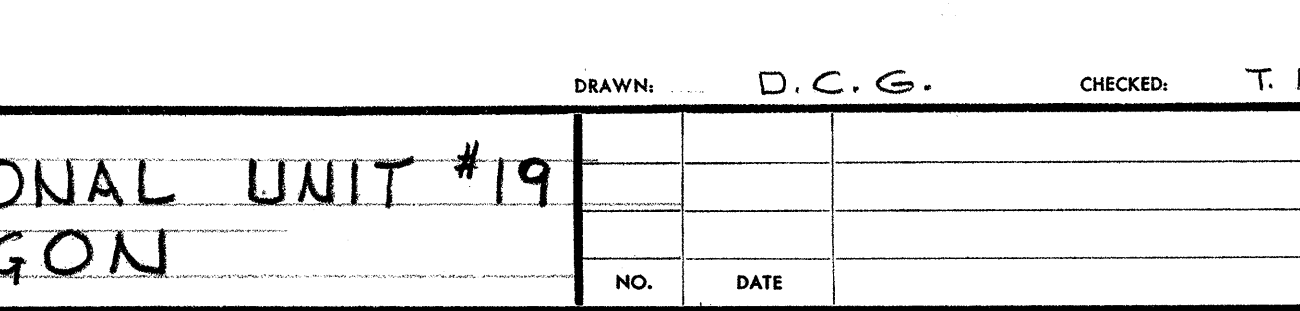
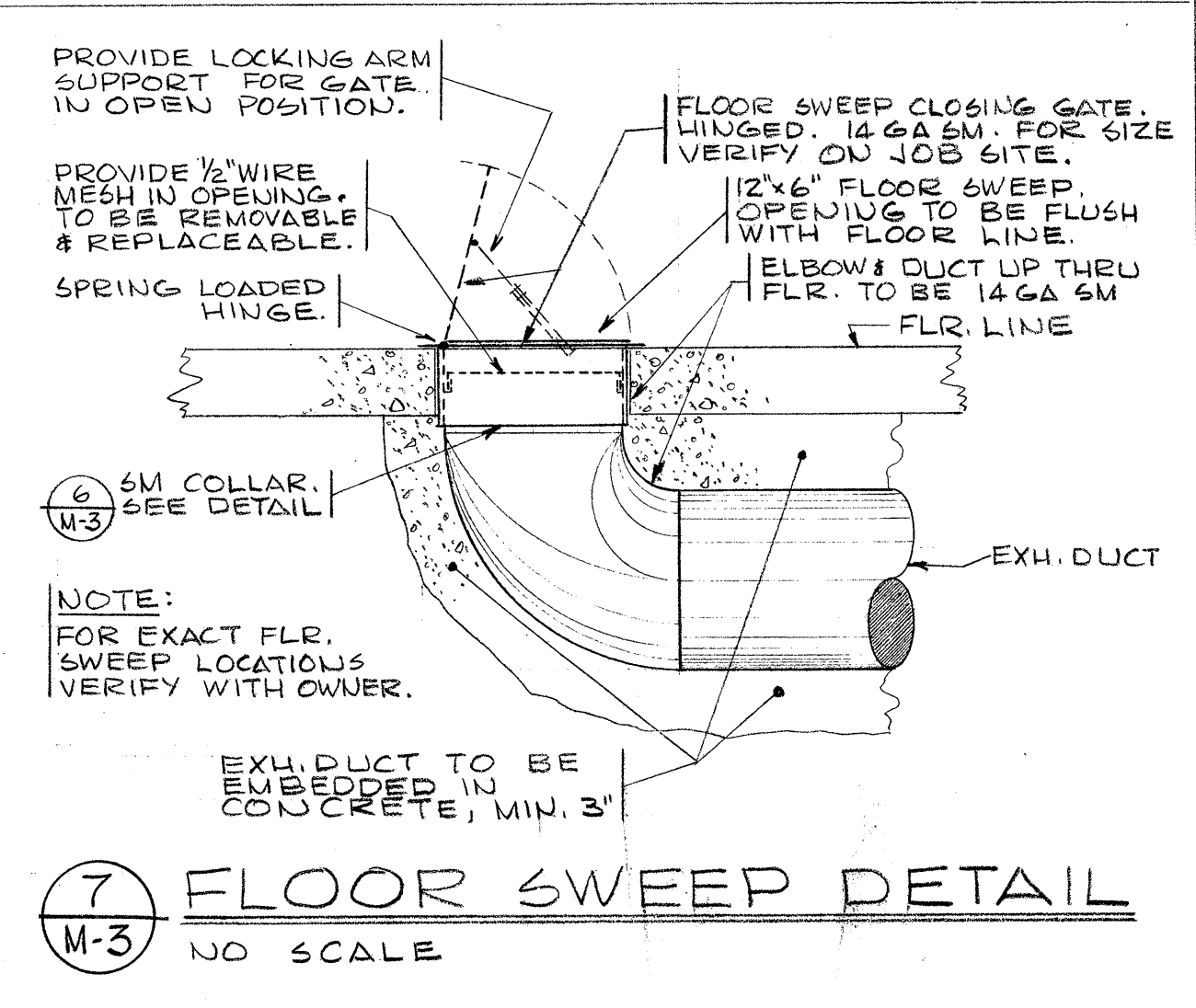
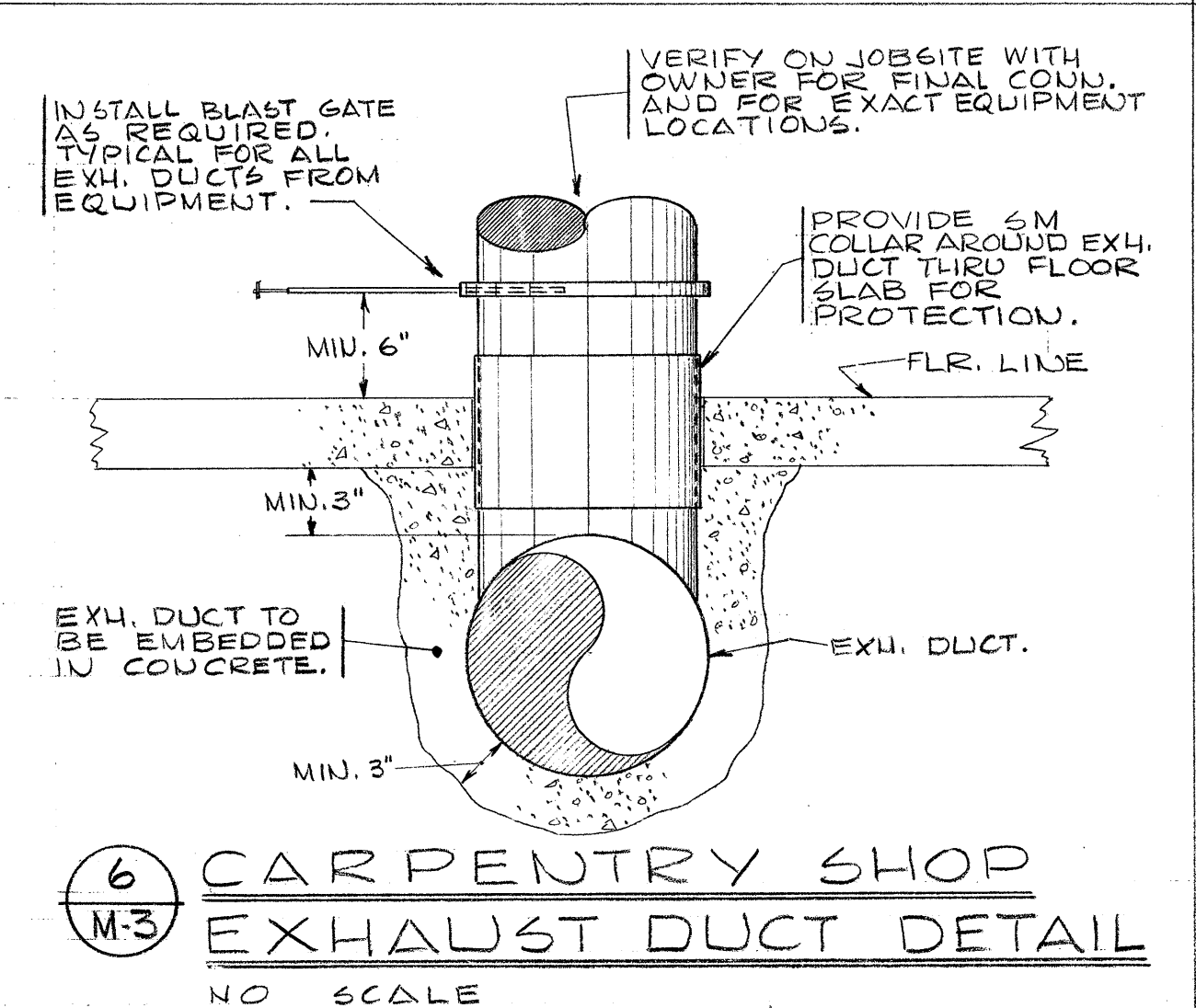
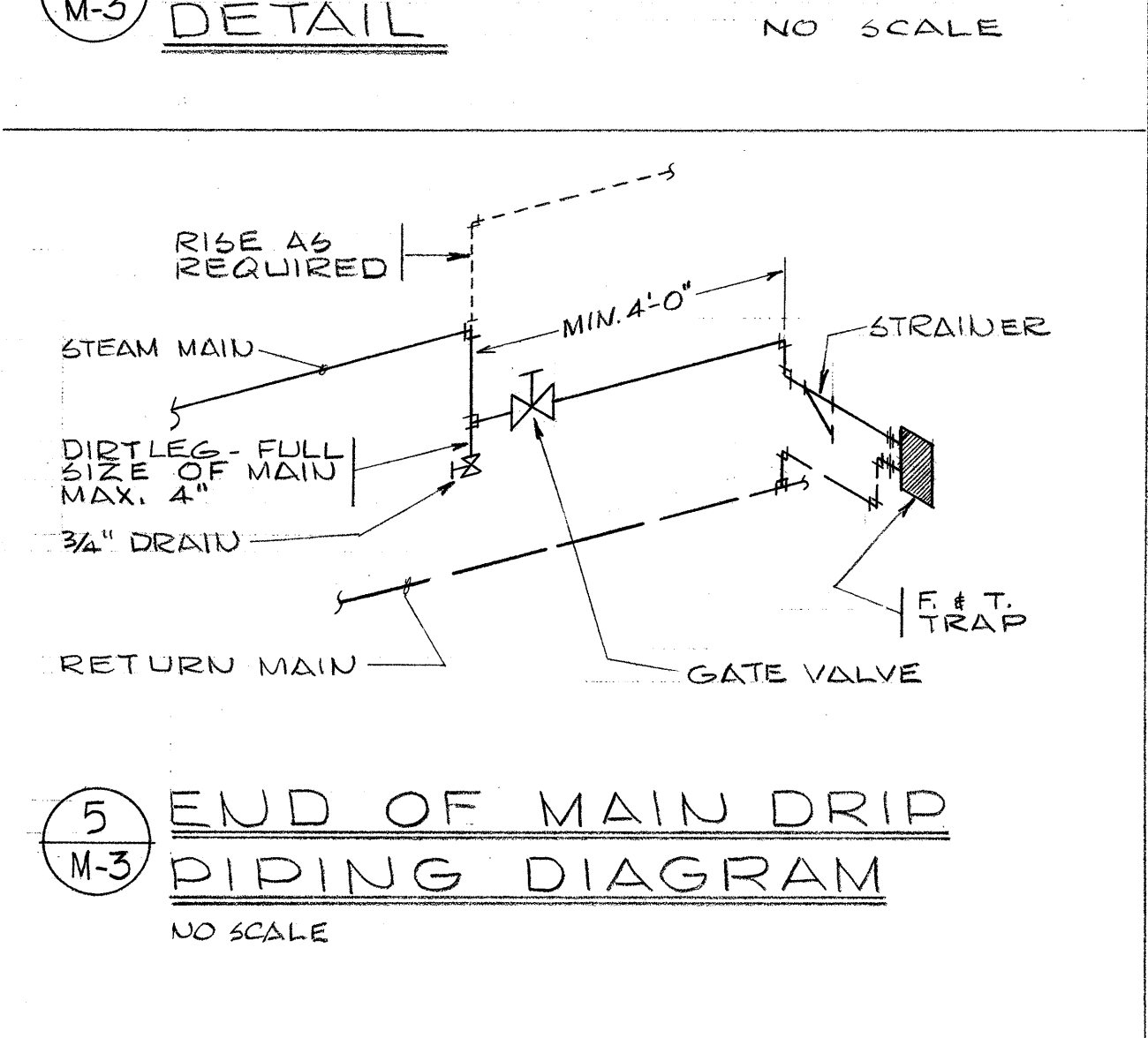
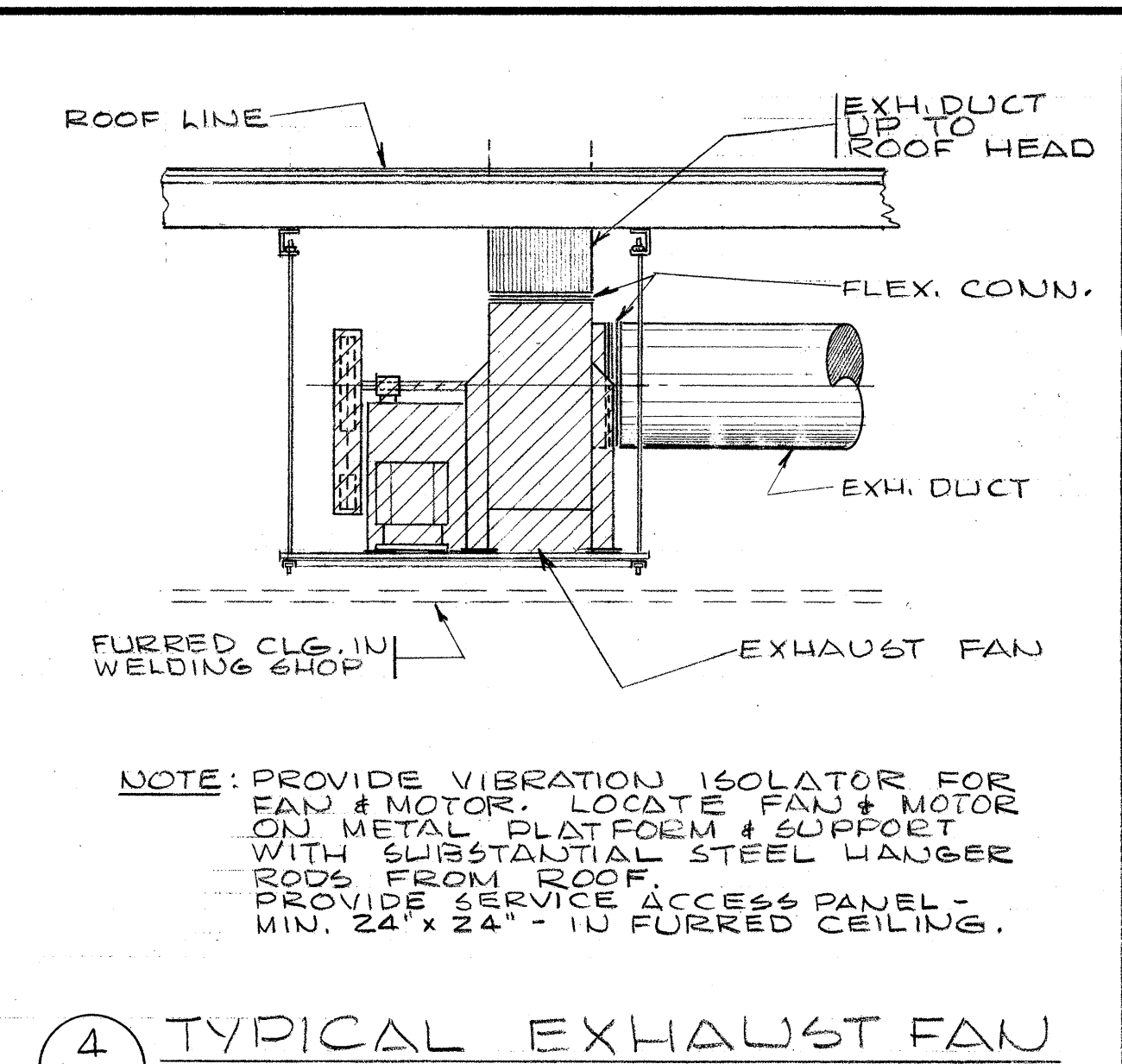
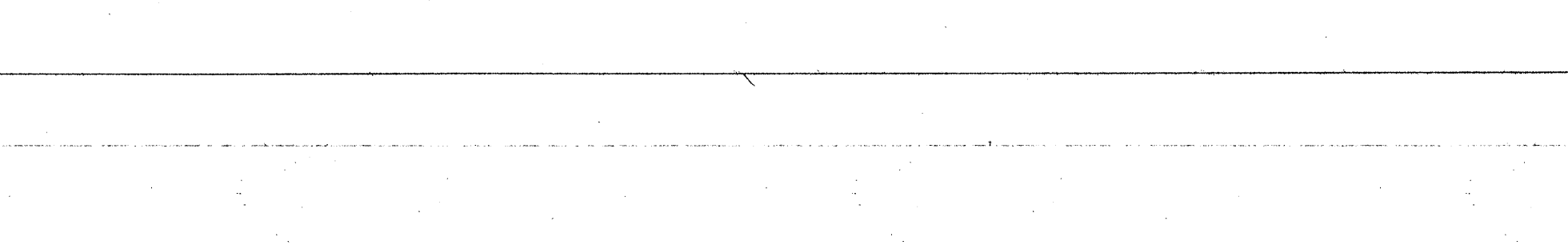
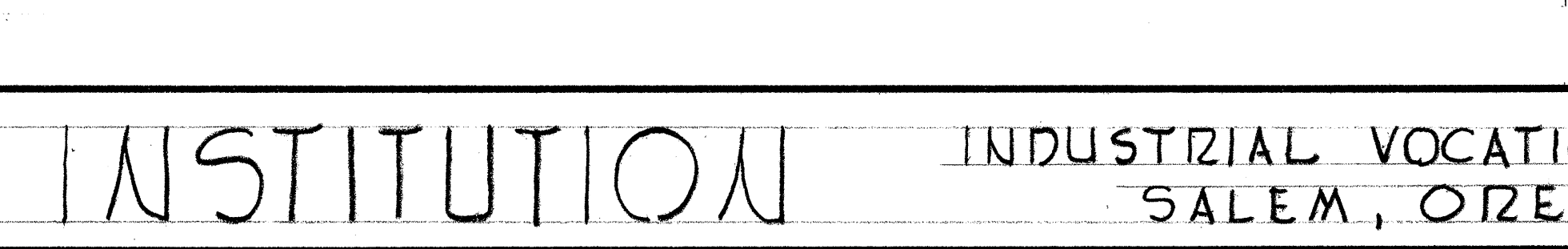
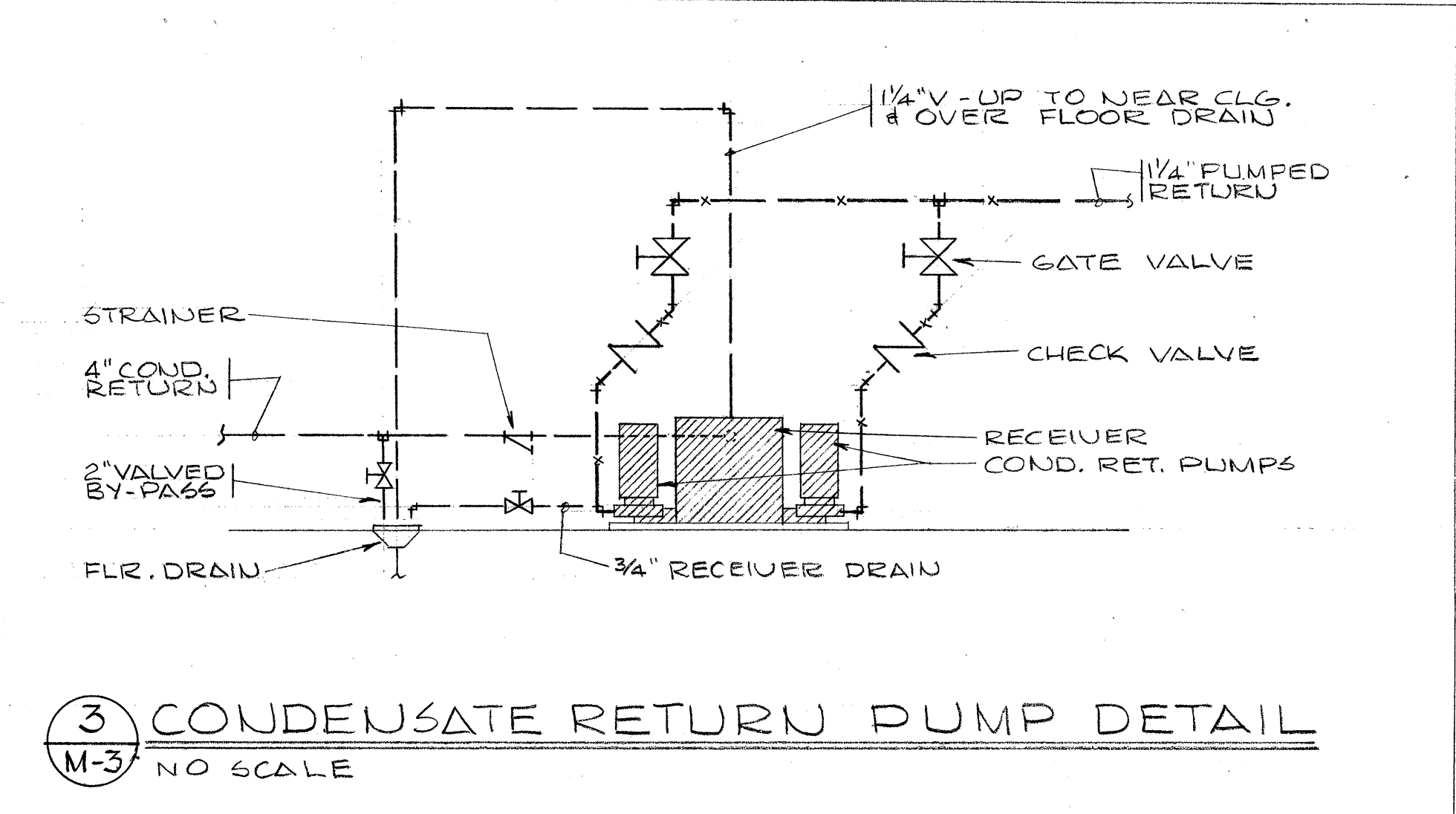
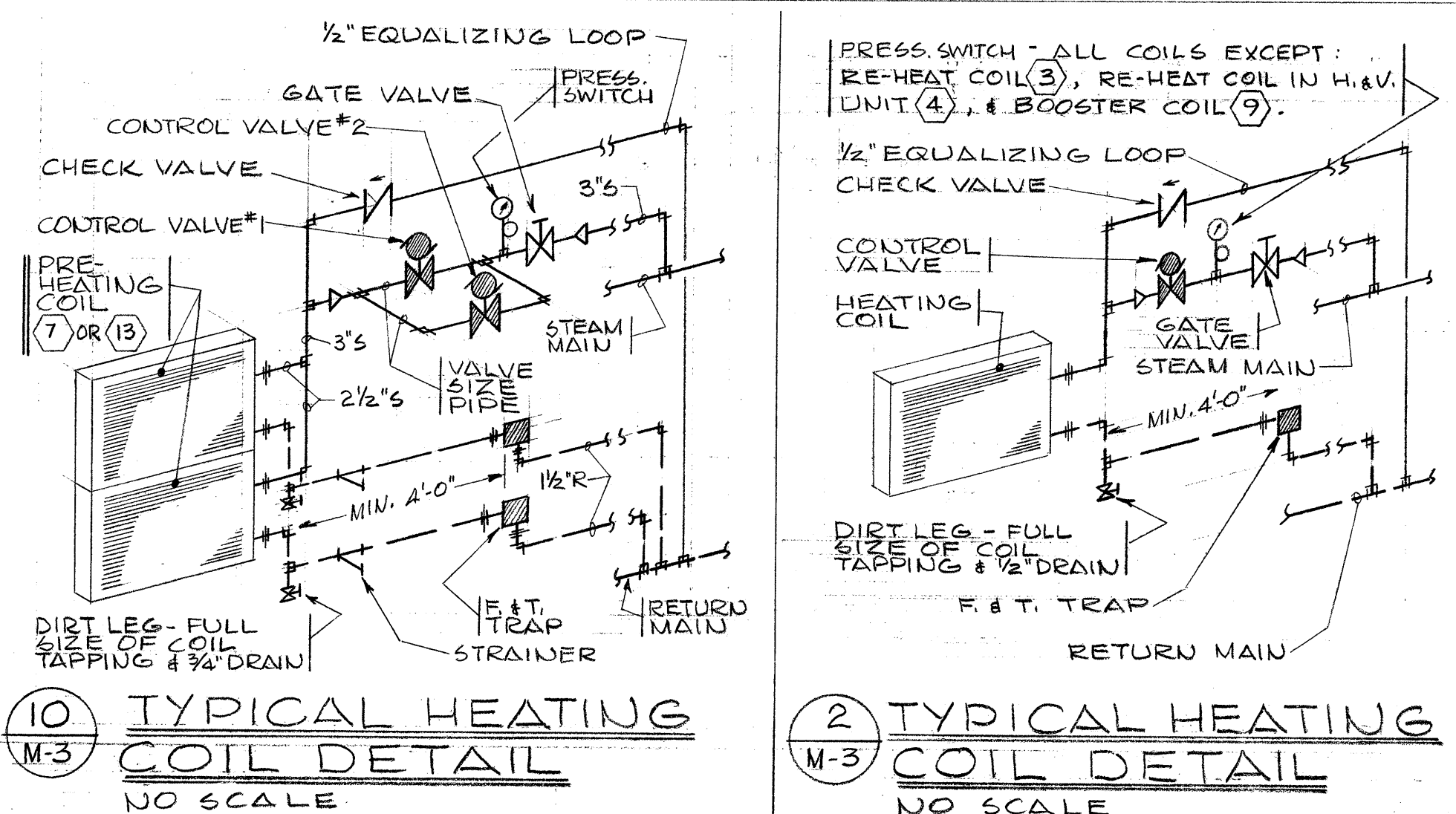
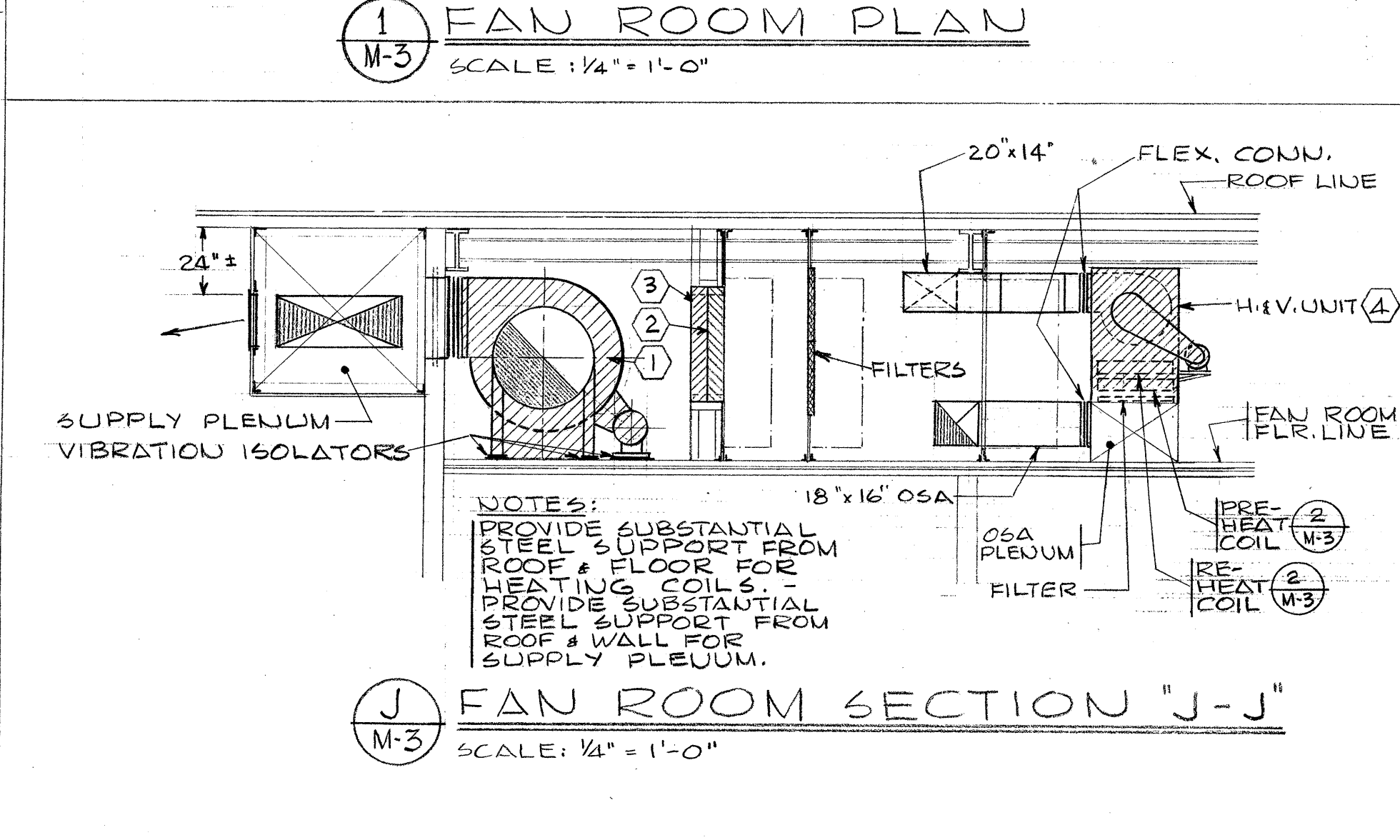
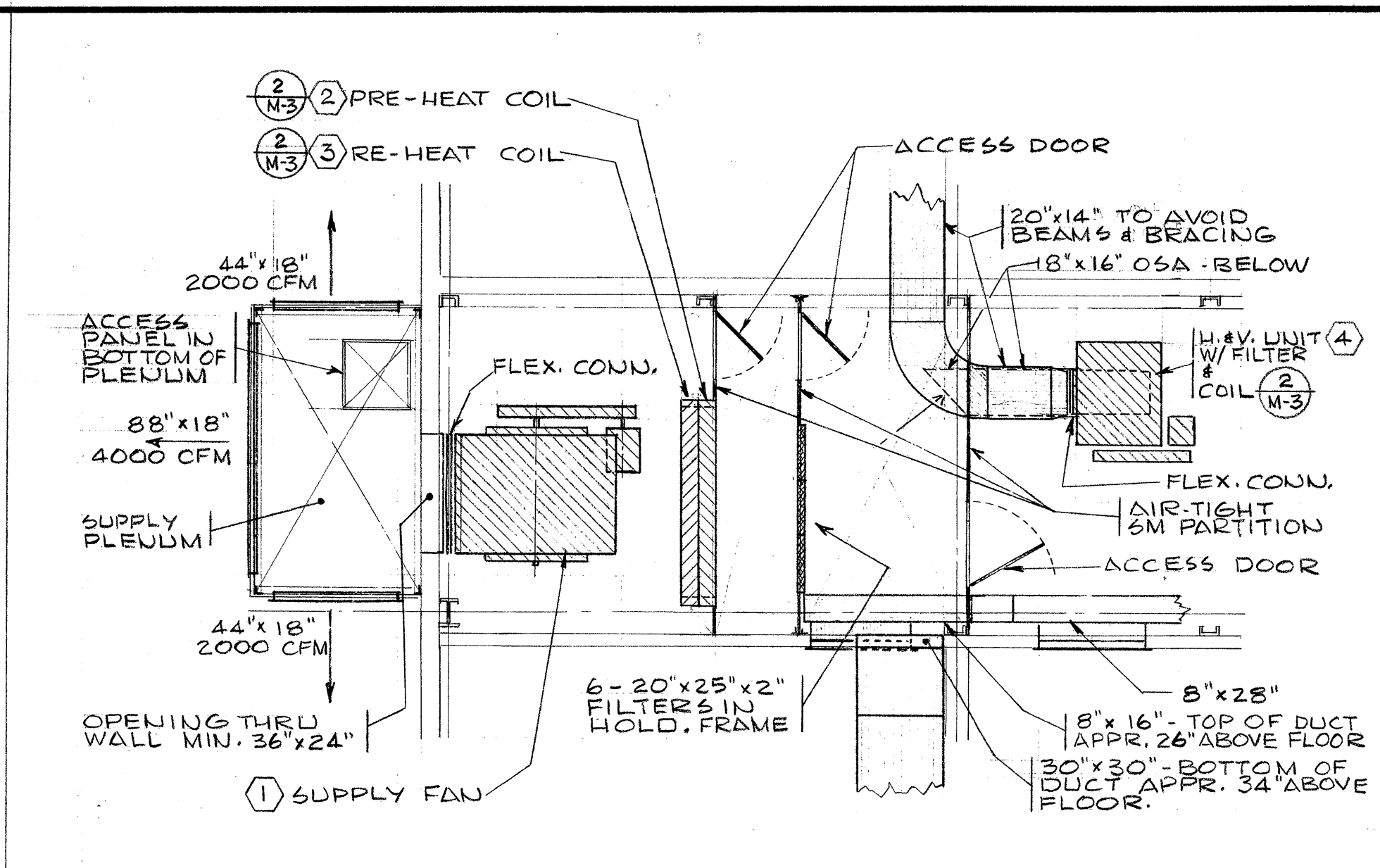
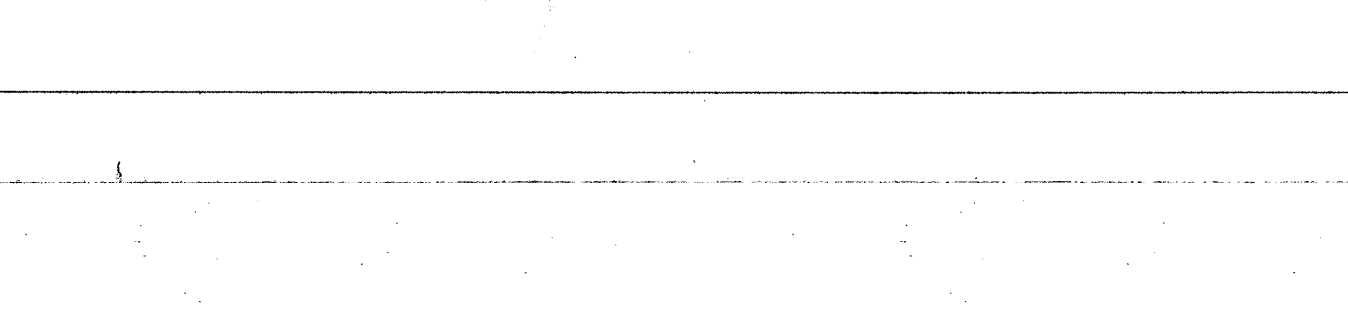
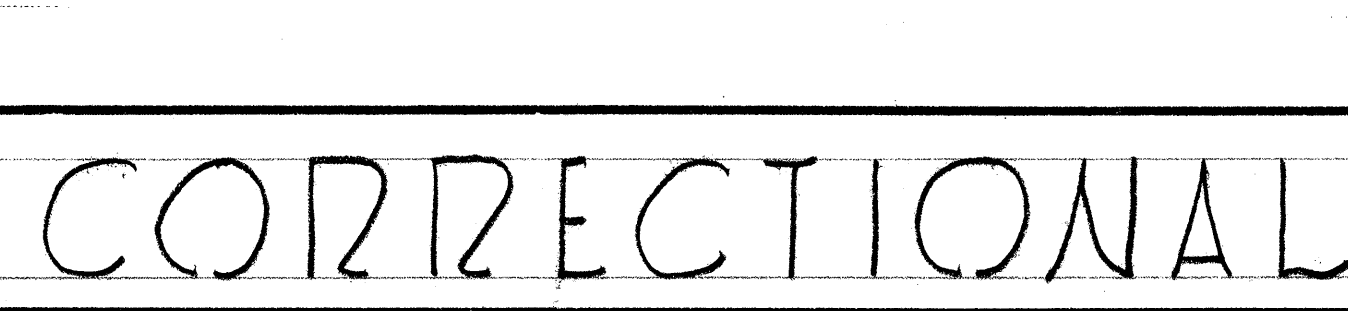
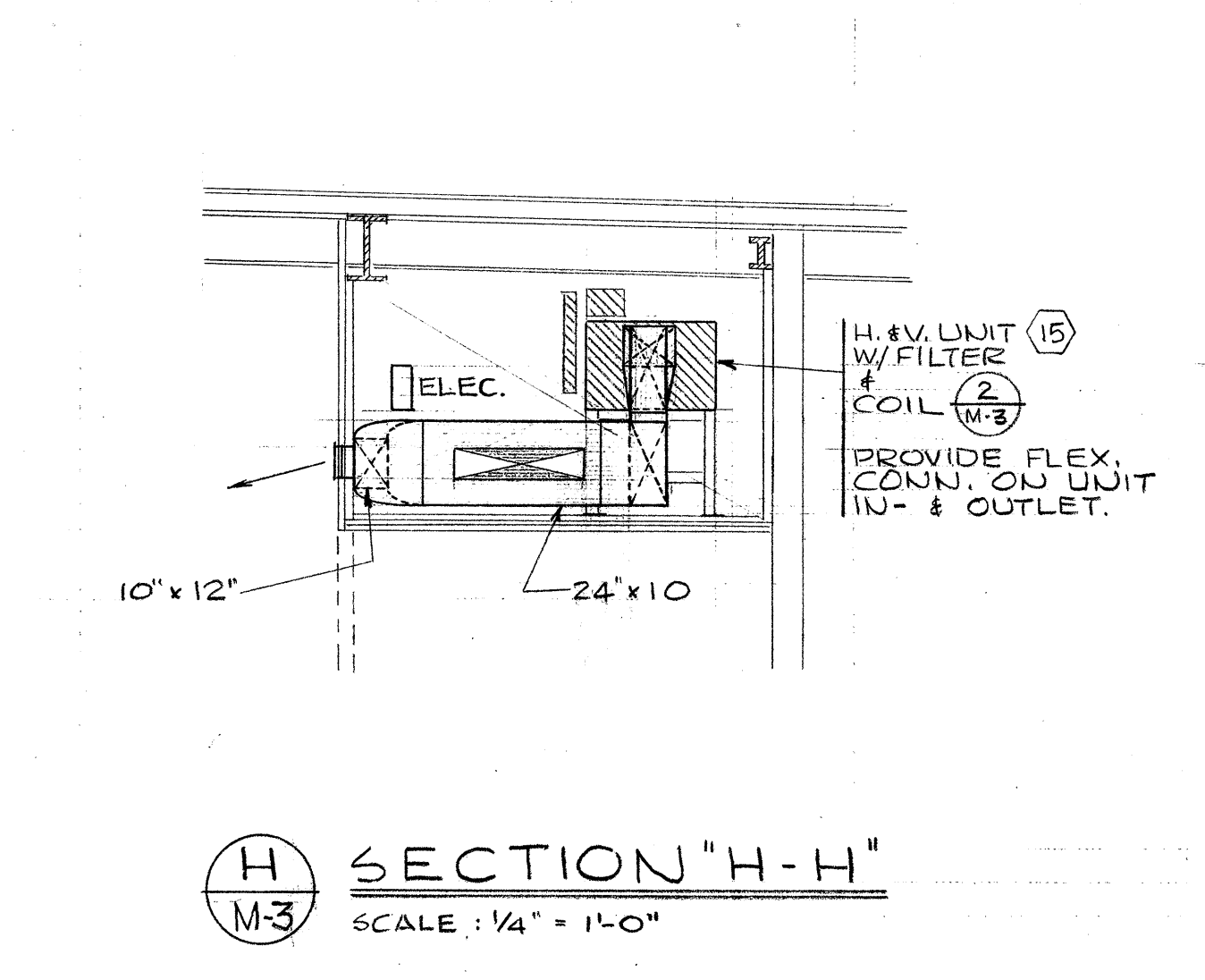
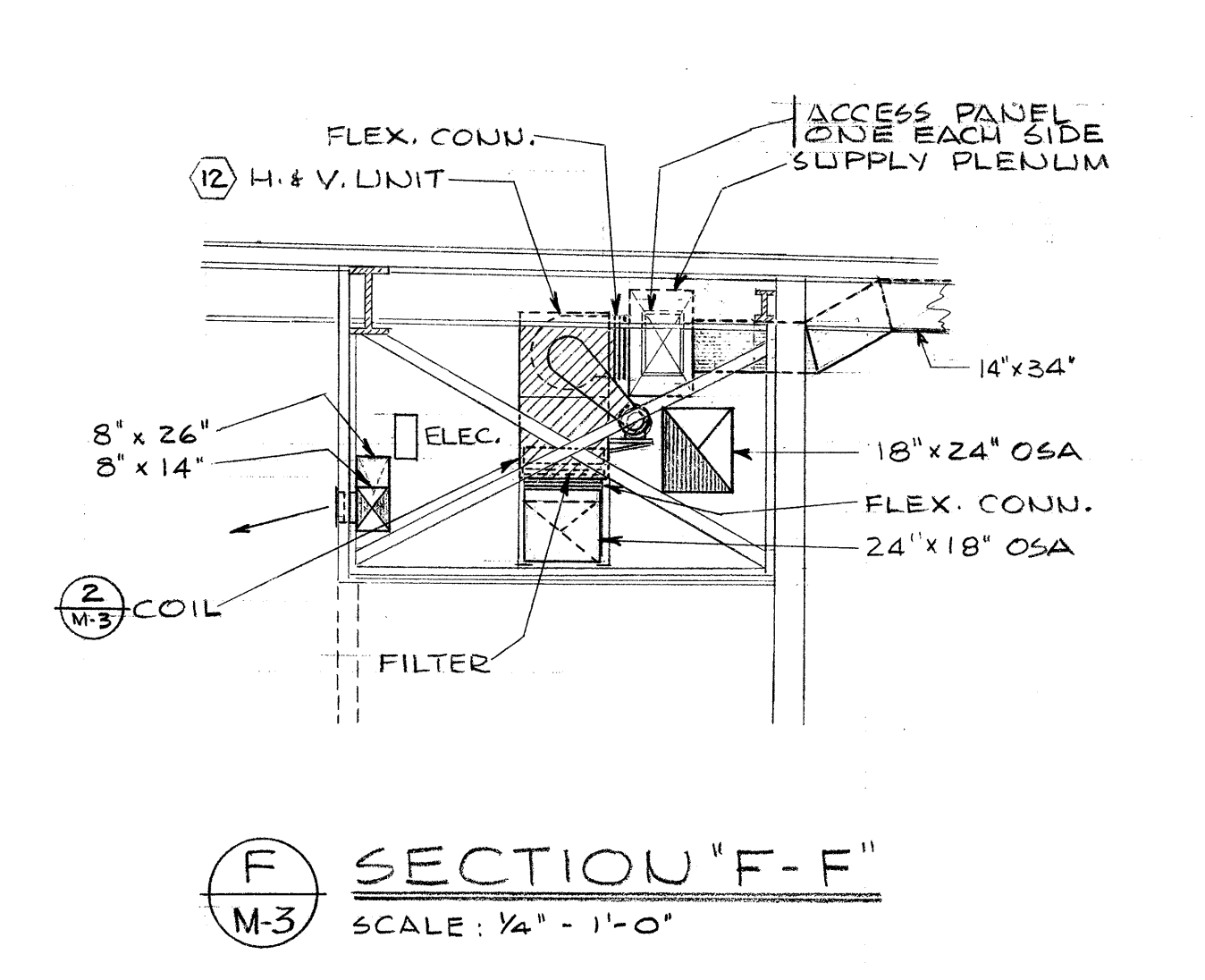
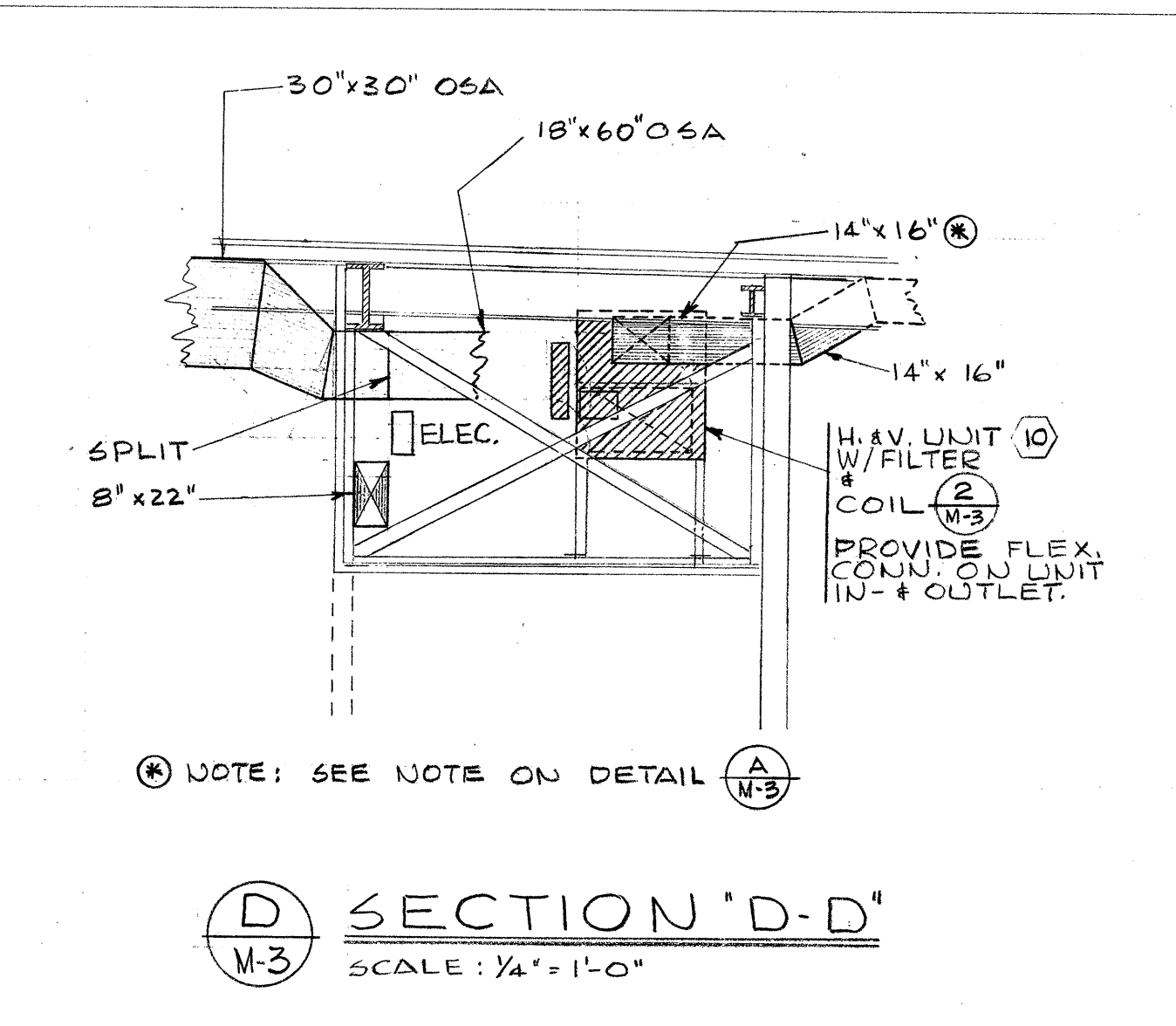
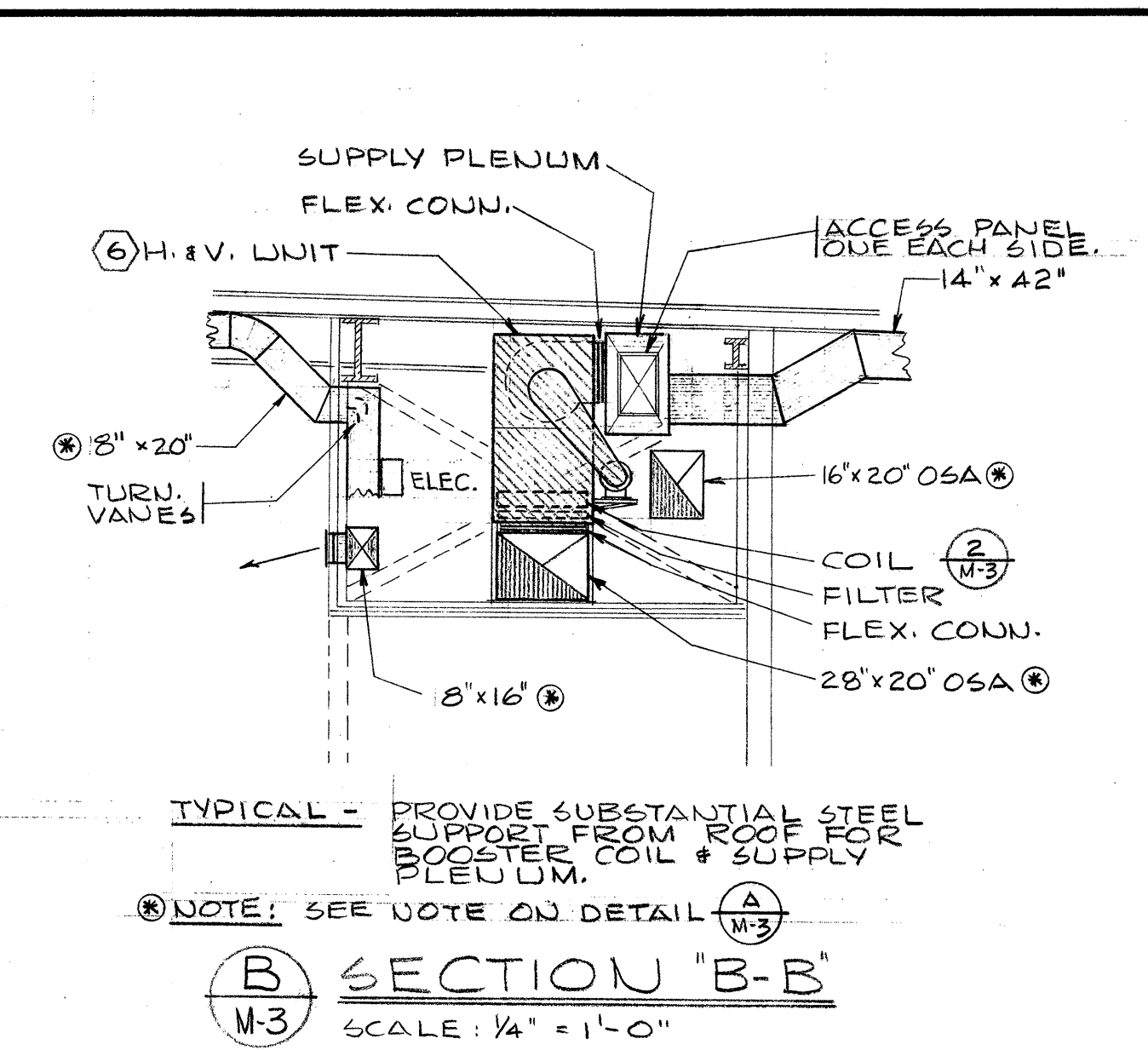
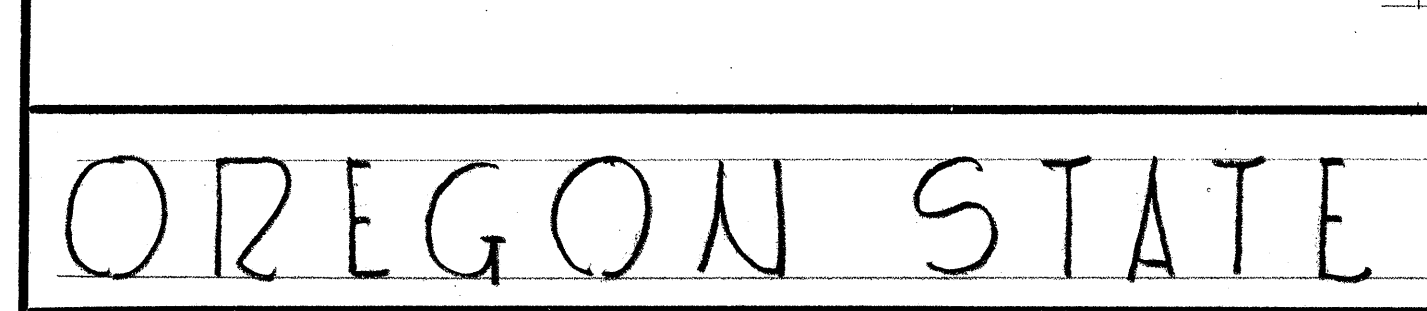
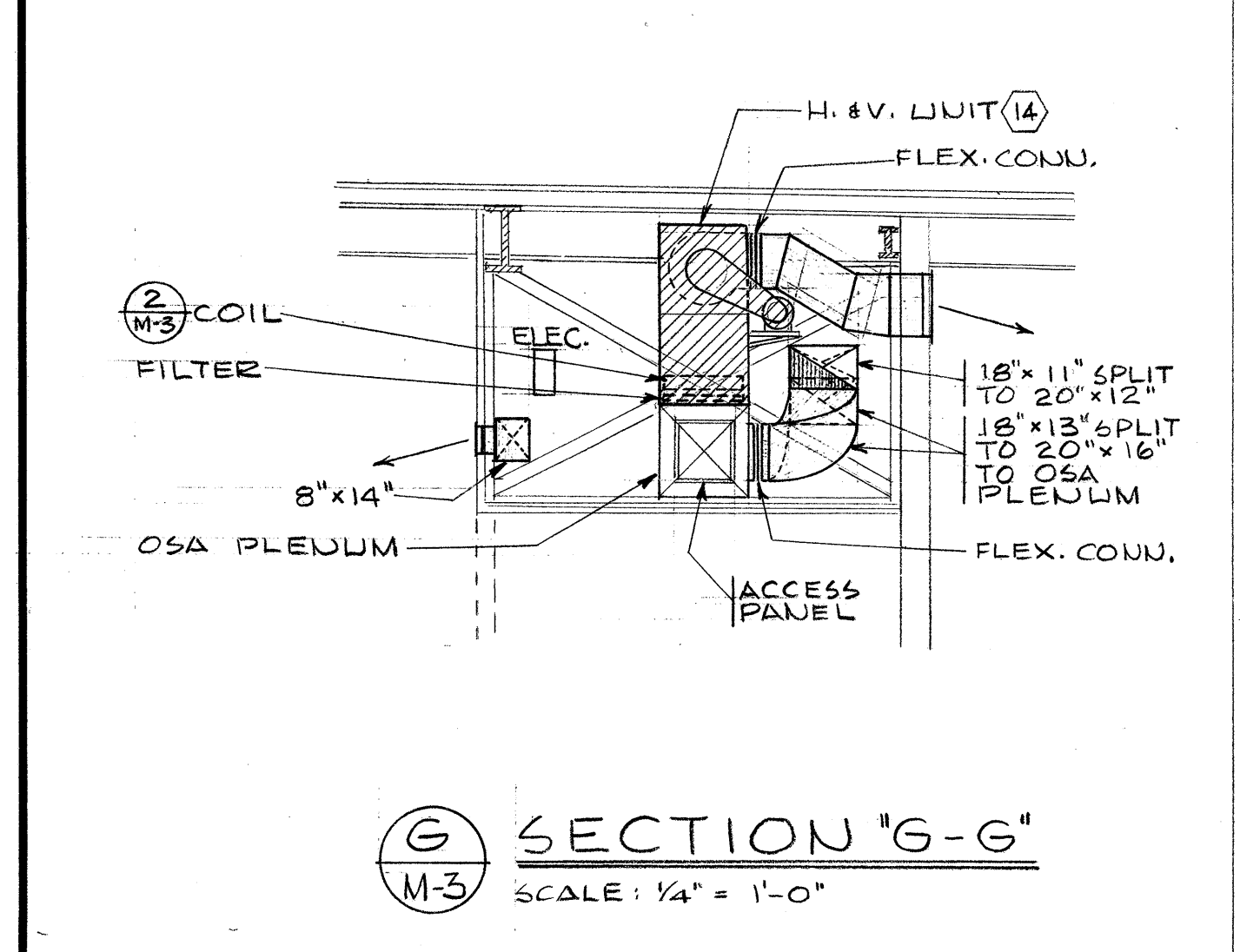
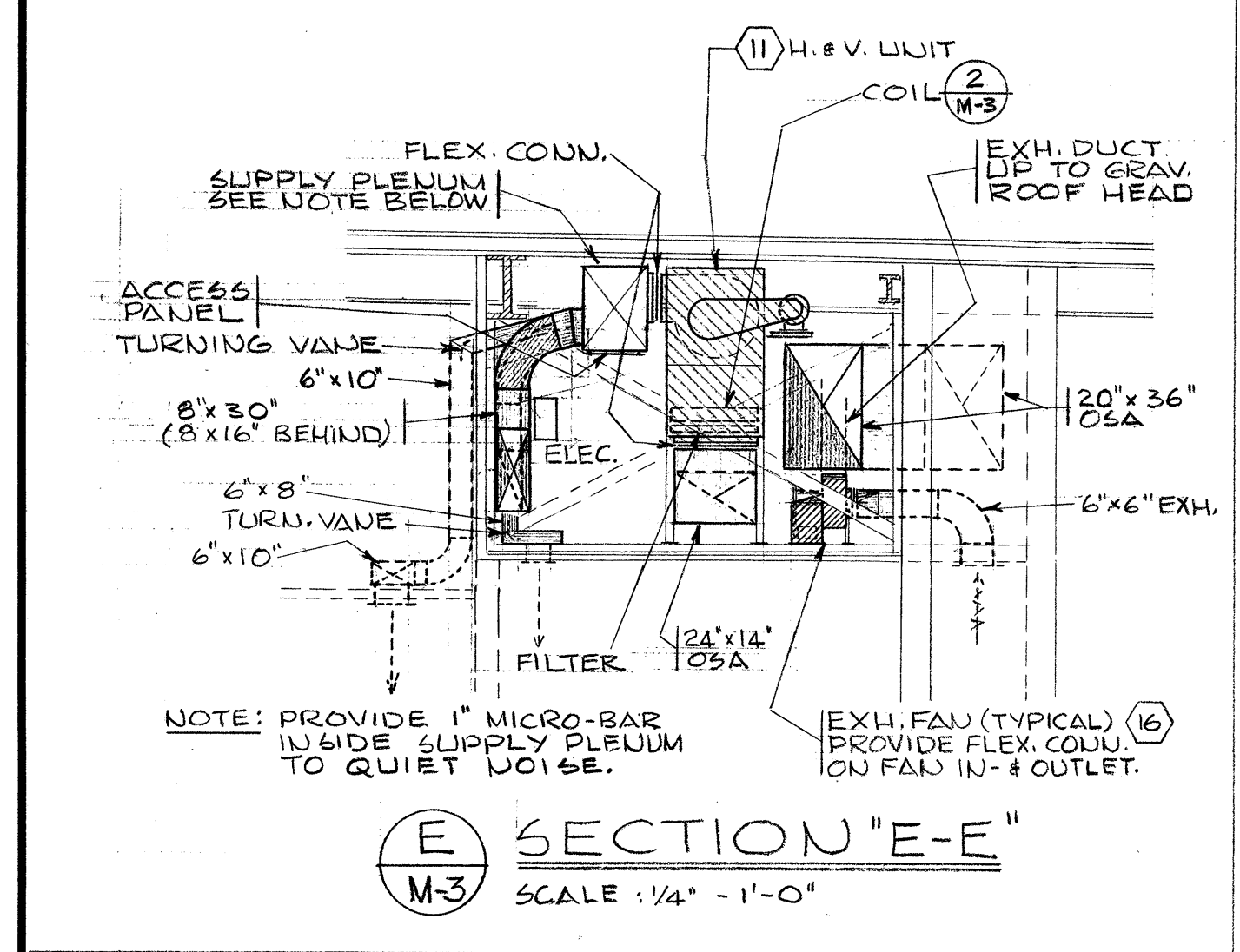
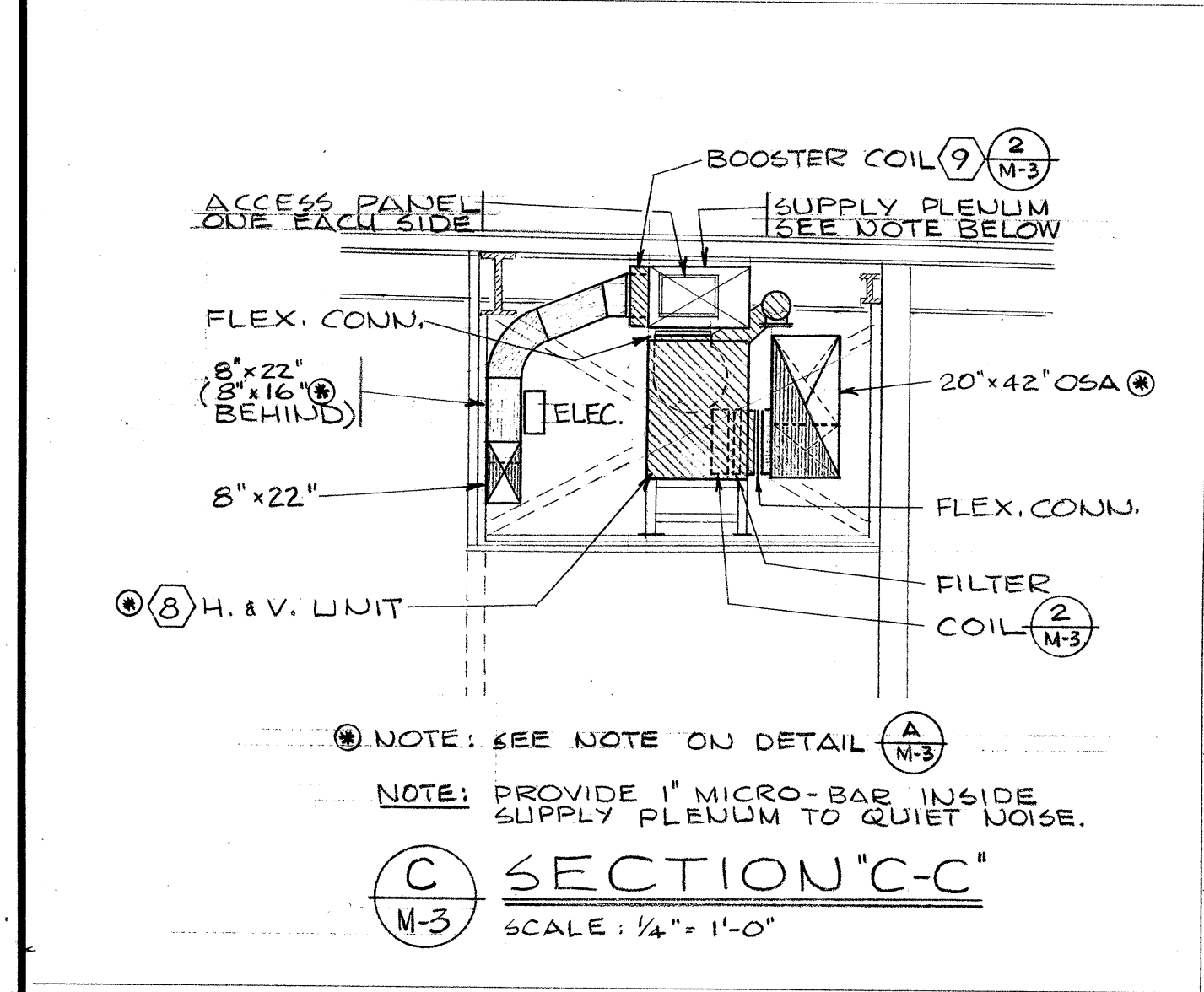
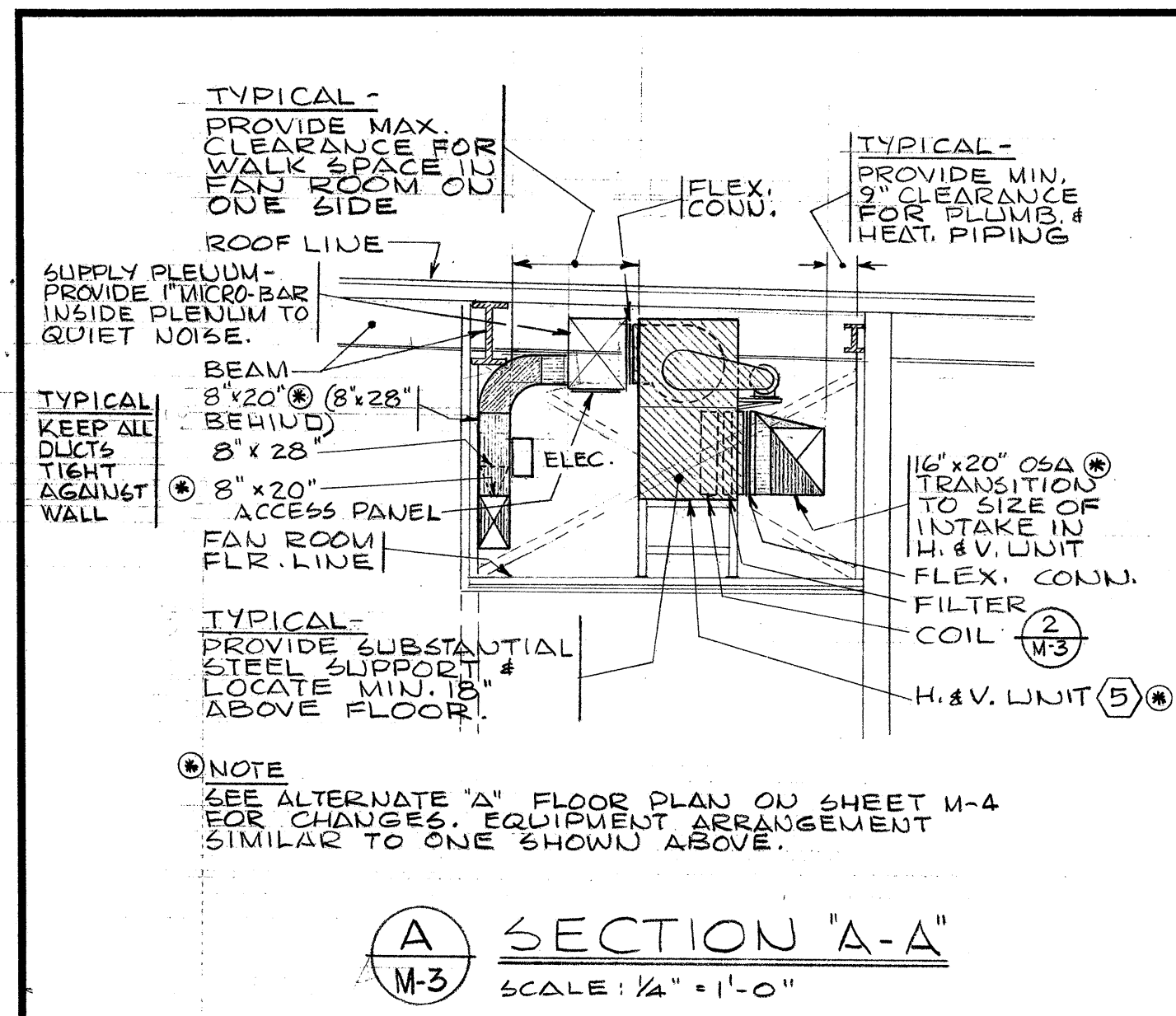
DRAWN: D.C.G. CHECKED: T.F. DATE: OCTOBER 6, 1961

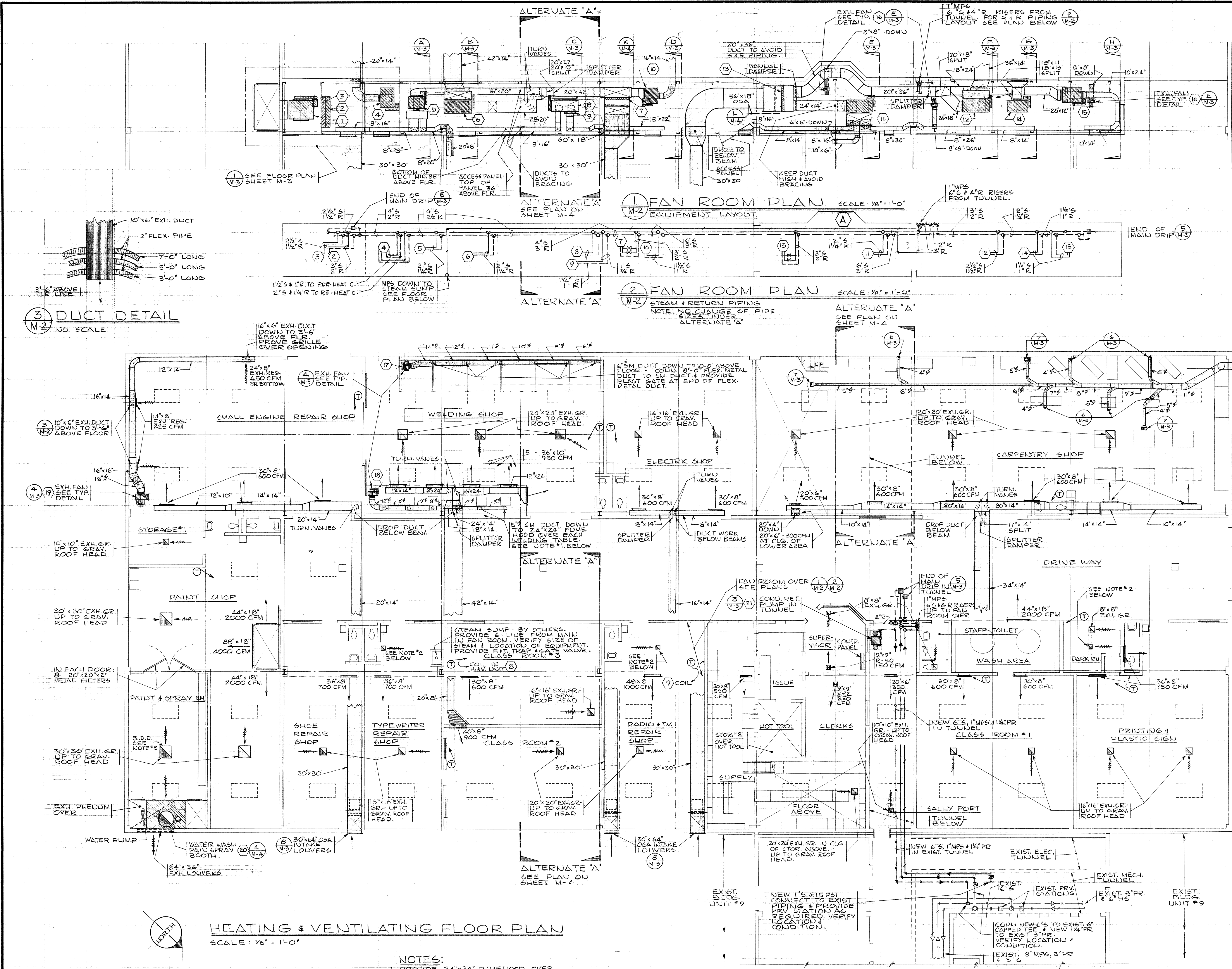
NO. DATE REVISIONS



O.S.C.I. 601-29  
HEATING & VENT.  
ALTERNATE PLAN  
& DETAILS M4 OF 4

ANNAND & BOONE ARCHITECTS  
ASSOCIATE ARCHITECTS BRYMAN & BUESTUTTER  
3923 S. W. KELLY AVENUE PORTLAND 1, OREGON





**EQUIPMENT LIST**

NOTE: ITEM 5, 7, 8 SEE EQUIPMENT LIST-ALTERVATE 'A' ON SHEET M-4

MARK NO.	DESCRIPTION	SIZE AND/OR CAPACITY
1	SUPPLY FAN	8,000 CFM @ 7/8" S.P., F.C., DWI, CW, THD 1500 FPM MAX. O.V., 2300 FPM MAX. T.S. 3 HP MOTOR
2	PRE-HEAT COIL	8,000 CFM @ 530 FPM F.V., SIZE: 66" x 33" TO HEAT FROM 10°F TO 60°F VALVE: 432*/HR., TRAP: 468*/HR.
3	RE-HEAT COIL	8,000 CFM @ 530 FPM F.V., SIZE: 66" x 33" TO HEAT FROM 50°F TO 86°F VALVE: 312*/HR., TRAP: 468*/HR.
4	VERTICAL H.&V. UNIT	1800 CFM @ 7/8" S.P., 1 HP MOTOR 1400 FPM MAX. O.V., 2500 FPM MAX. T.S. - PRE-HEAT COIL (IN UNIT) @ 500 FPM MAX. F.V. FROM 10°F TO 60°F, VALVE: 78*/HR., TRAP: 147*/HR. - RE-HEAT COIL (IN UNIT) @ 500 FPM MAX. F.V. FROM 50°F TO 125°F, VALVE: 146*/HR., TRAP: 219*/HR.
5	VERTICAL H.&V. UNIT	2300 CFM @ 7/8" S.P., 1 HP MOTOR 1500 FPM MAX. O.V., 2700 FPM MAX. T.S. COIL TO HEAT 2300 CFM @ 500 FPM MAX. F.V. FROM 50°F TO 110°F, VALVE: 150*/HR., TRAP: 225*/HR. 1 HP MOTOR
6	VERTICAL H.&V. UNIT	4,800 CFM @ 1" S.P., 1800 FPM MAX. O.V., 2900 FPM MAX. T.S. COIL TO HEAT 4,800 CFM @ 500 FPM MAX. F.V. FROM 50°F TO 90°F, VALVE: 207*/HR., TRAP: 310*/HR. 3 HP MOTOR
7	PRE-HEAT COIL	EA. 4950 CFM @ 495 FPM F.V., SIZE: 60" x 24" TWO COILS TO HEAT FROM 10°F TO 60°F VALVE#1: 356*/HR., VALVE#2: 175*/HR., EACH TRAP: 400*/HR.
8	VERTICAL H.&V. UNIT	1600 CFM @ 3/8" S.P., 3/4 HP MOTOR QUIET OPERATION. 1200 FPM MAX. O.V., 2200 FPM MAX. T.S. COIL TO HEAT 1600 CFM @ 500 FPM MAX. F.V. FROM 50°F TO 80°F, VALVE: 52*/HR., TRAP: 78*/HR.
9	BOOSTER COIL	1000 CFM @ 500 FPM F.V., SIZE: 24" x 12" FOR H.&V. UNIT (8) VALVE: 16*/HR., TRAP: 24*/HR.
10	VERTICAL H.&V. UNIT	1200 CFM @ 3/8" S.P., 1/2 HP MOTOR 1400 FPM MAX. O.V., 2200 FPM MAX. T.S. COIL TO HEAT 1200 CFM @ 500 FPM MAX. F.V. FROM 50°F TO 110°F, VALVE: 75*/HR., TRAP: 117*/HR.
11	VERTICAL H.&V. UNIT	2,400 CFM @ 1" S.P., 1/2 HP MOTOR QUIET OPERATION. 1400 FPM MAX. O.V., 2700 FPM MAX. T.S. COIL TO HEAT 2400 CFM @ 500 FPM MAX. F.V. FROM 50°F TO 100°F, VALVE: 130*/HR., TRAP: 195*/HR.
12	VERTICAL H.&V. UNIT	3600 CFM @ 7/8" S.P., 2 HP MOTOR 1400 FPM MAX. O.V., 2600 FPM MAX. T.S. COIL TO HEAT 3600 CFM @ 500 FPM MAX. F.V. FROM 50°F TO 135°F, VALVE: 330*/HR., TRAP: 495*/HR.
13	PRE-HEAT COIL	EA. 4750 CFM @ 475 FPM MAX. F.V., SIZE: 60" x 24" TWO COILS TO HEAT FROM 10°F TO 60°F VALVE#1: 340*/HR., VALVE#2: 175*/HR., EACH TRAP: 385*/HR.
14	VERTICAL H.&V. UNIT	2,000 CFM @ 3/8" S.P., 3/4 HP MOTOR 1500 FPM MAX. O.V., 2200 FPM MAX. T.S. COIL TO HEAT 2000 CFM @ 500 FPM MAX. F.V. FROM 50°F TO 95°F, VALVE: 97*/HR., TRAP: 146*/HR.
15	HORIZONTAL H.&V. UNIT	1500 CFM @ 3/8" S.P., 1/2 HP MOTOR 1200 FPM MAX. O.V., 2200 FPM MAX. T.S. COIL TO HEAT 1500 CFM @ 500 FPM MAX. F.V. FROM 50°F TO 115°F, VALVE: 105*/HR., TRAP: 158*/HR.
16	EXHAUST FAN	UTILITY TYPE 150 CFM @ 1/2" S.P., 1/8 HP MOTOR 800 FPM MAX. O.V. F.C., UBD QUIET OPERATION.
17	EXHAUST FAN	3,000 CFM @ 2" S.P., 3 HP MOTOR 2400 FPM MAX. O.V., 7600 FPM MAX. T.S. B.I., UBD
18	EXHAUST FAN	2,150 CFM @ 2" S.P., 2 HP MOTOR 2500 FPM MAX. O.V., 7900 FPM MAX. T.S. B.I., UBD
19	EXHAUST FAN	UTILITY TYPE 1800 CFM @ 1/2" S.P., 1/2 HP MOTOR 1200 FPM MAX. O.V., 2000 FPM MAX. T.S. F.C., UBD - INTERLOCK WITH UNIT (4).
20	WATER WASH PAINT SPRAY BOOTH	9000 CFM @ MAX. 165 FPM F.V., 5HP FAN MOTOR 250 GPM PUMP CAPACITY
21	COLD RETURN PUMP (DUPLIX)	15,000 SQ. FT. EDR @ 20 PSI DISCH. PRESS. 22 1/2 GPM PUMP CAPACITY, 24 GAL. RECEIVER
22	DUST COLLECTOR FAN	2,600 CFM @ 9" S.P., 2000 FPM MAX. 7 1/2 HP MOTOR SEE H.&V. NOTES ON SHEET M-3

**HEATING & VENTILATING FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

**NOTES:**

- PROVIDE 24" x 24" FLOWHOOD OVER EACH WELDING TABLE. BOTTOM OF HOOD MAX. 6'-0" ABOVE FLOOR. PROVIDE BLAST GATE IN EACH 5' x 5' DUCT OVER HOOD. VERIFY LOCATION OF WELDING TABLES.
- PROVIDE 3-12" x 12" EXH. GR. IN FAN ROOM CLG. - 12" x 12" UP TO GRAV. ROOF HEAD.
- PROVIDE ANTI-BACKDRAFT DAMPER BEHIND GRAV. EXH. GRILLES WHERE INDICATED ON PLAN. ILLUS. B.D.



O.S.C.I	601-29
HEATING & VENTILATING FLOOR PLAN	M2 OF 4

OREGON STATE CORRECTIONAL INSTITUTION INDUSTRIAL VOCATIONAL UNIT #19 SALEM, OREGON

DRAWN: D.C.G.	CHECKED: T.F.	DATE: OCTOBER 6, 1961
NO.	DATE	REVISIONS
1	2010-62	AS BUILT

**ANNAND & BOONE** ARCHITECTS  
ASSOCIATE ARCHITECTS: BRYMAN & HOFFSTETTER  
3923 S.W. KELLY STREET, PORTLAND 1, OREGON

### PLUMBING CONNECTION SCHEDULE

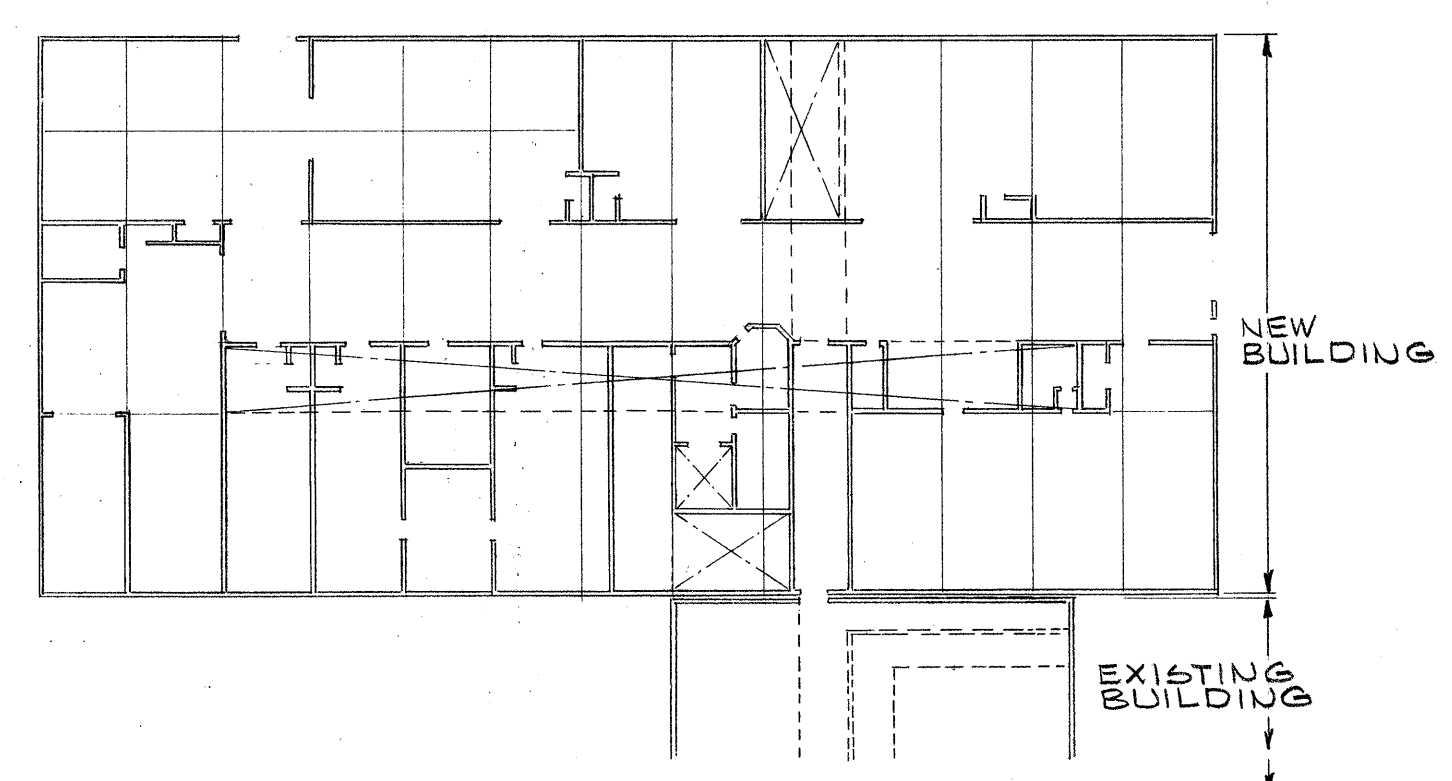
FIXTURE	WC	WASTE	VENT	CW	HW
WATER CLOSET	WC	4"	2"	3/4"	-
URINAL	UR	2"	2"	3/4"	1/2"
LAVATORY	LAV	1 1/2"	1 1/2"	1/2"	1/2"
DOUBLE WASH TRAY	DWT	2"	2"	1/2"	1/2"
WASH FOUNTAIN	WF	2"	2"	1/2"	1/2"
DRINKING FOUNTAIN	DF	1 1/2"	1 1/2"	-	1/2"
* SUMP	-	4"	-	-	-
HOSE BIBB	HB	-	-	3/4"	-
HW HOSE BIBB	HW-HB	-	-	-	3/4"
AIR OUTLET	-	-	-	1/2" AIR	-
SINK	S	2"	2"	1/2"	1/2"

NOTES:  
 THE ABOVE CONNECTION SIZES ARE FOR INDIVIDUAL PLUMBING FIXTURES. BRANCH WASTE & VENT LINES SHALL BE SIZED ON ACCUMULATED FIXTURE WEIGHTS AS PER APPLICABLE PLUMBING CODES. PLACE CLEANOUTS IN WALLS IF POSSIBLE. LOCATE CLEANOUTS NOT IN WALLS OUT OF LINE OF TRAFFIC. PROVIDE LOW POINT DRAINS ON PLUMBING SYSTEM.

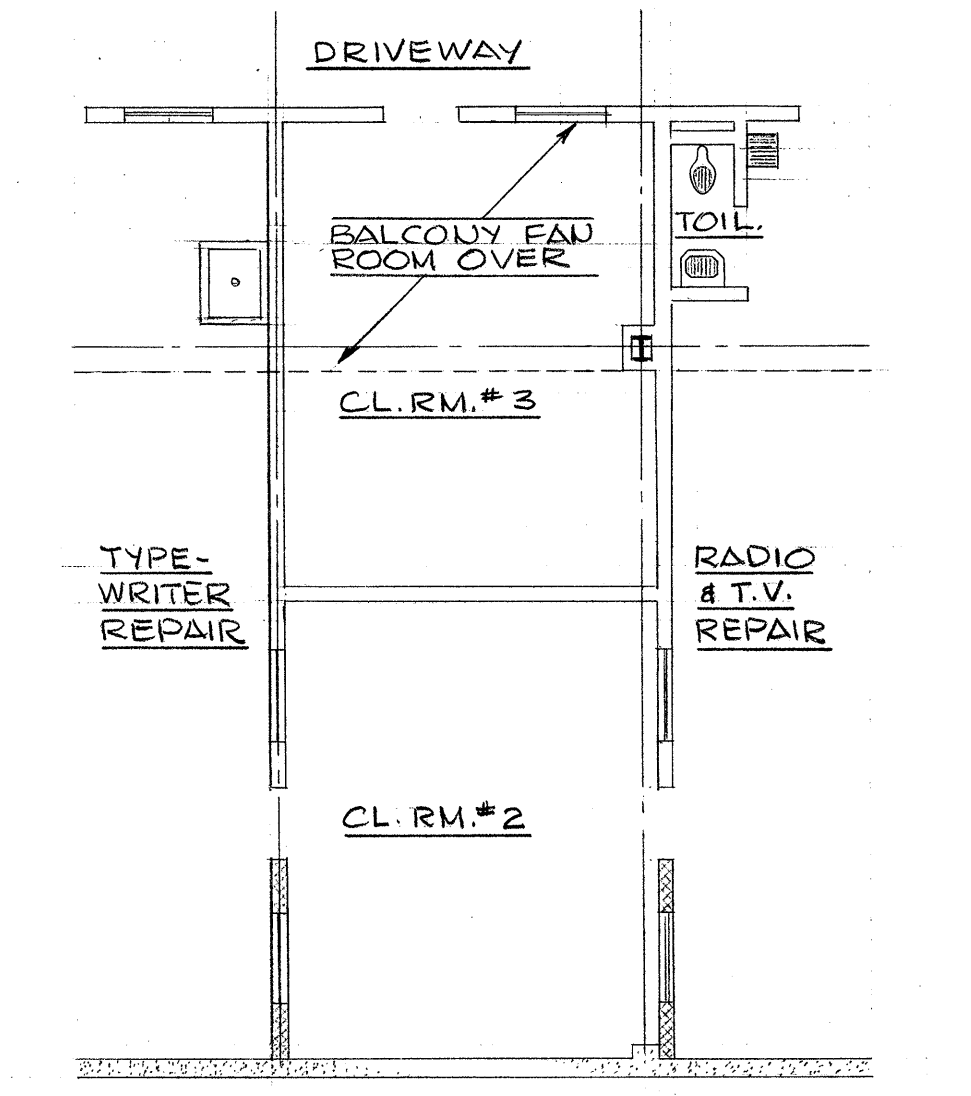
\* SUMP BY OTHERS. MAKE CONNECTION ONLY. SEE ARCHITECTURAL DETAIL.

### PIPING LEGEND

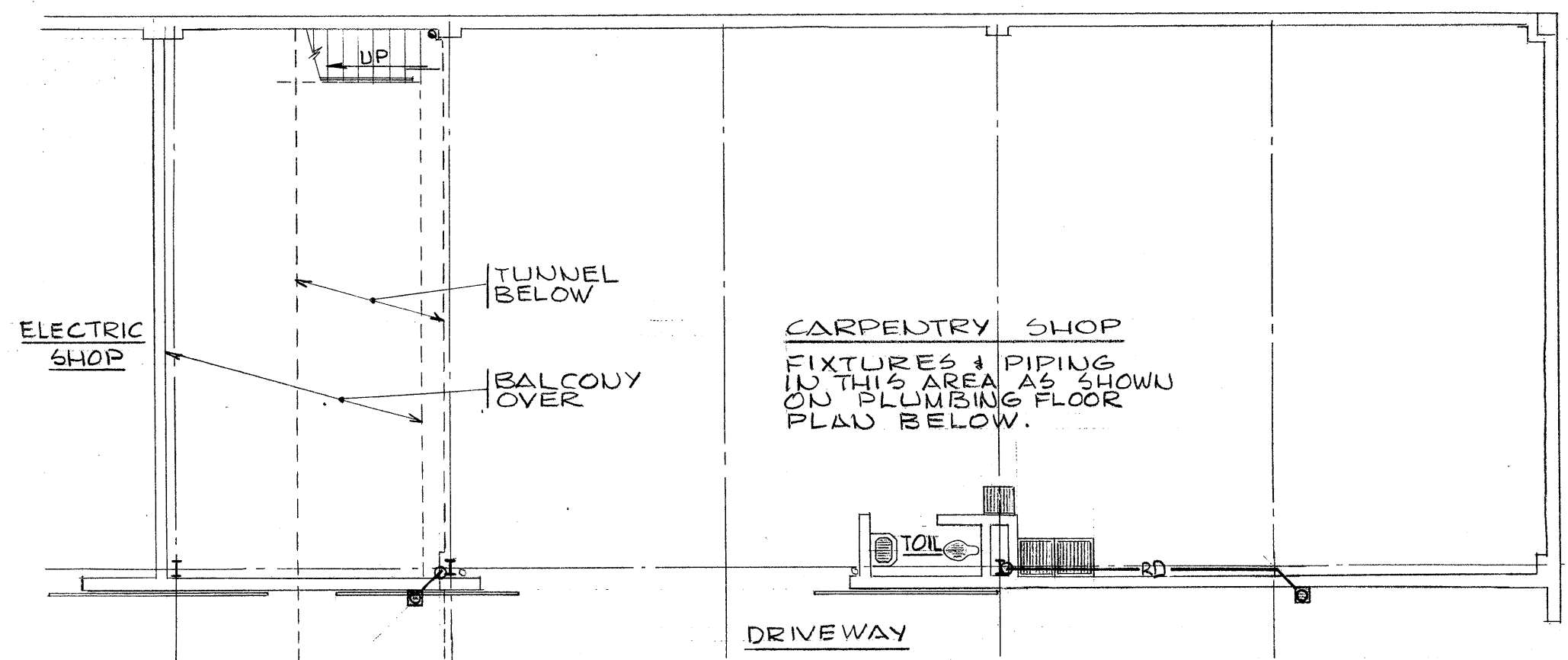
COLD WATER	CW	-----
HOT WATER	HW	-----
HOT WATER RECIRC.	HW-R	-----
VENT	V	-----
WASTE	W	-----
RAIN DRAIN	RD	-----
AIR	A	-----



KEY PLAN - ALTERNATE "A"  
 SCALE: 1/8" = 1'-0"

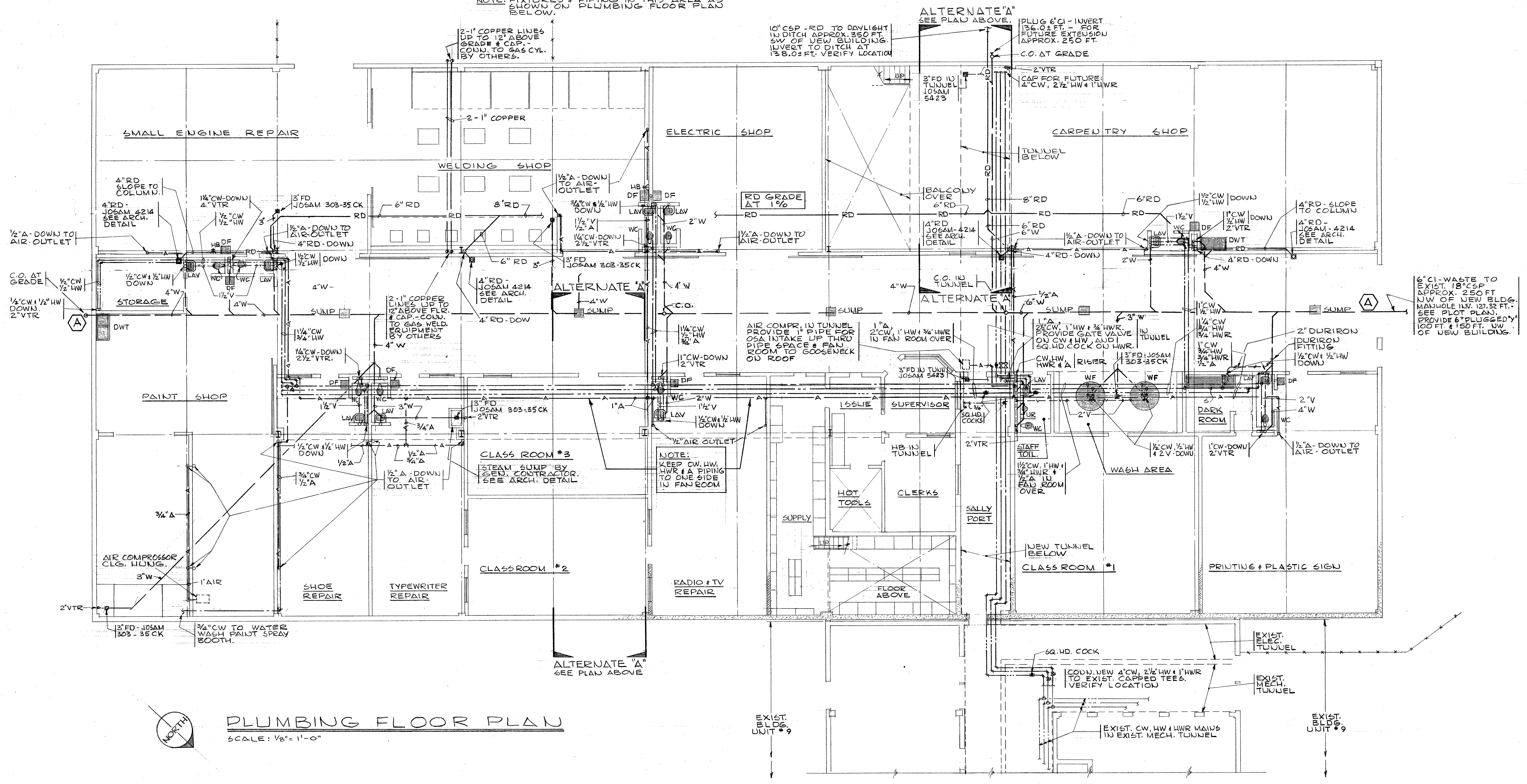


CLASS ROOM FLOOR PLAN  
 ALTERNATE "A"  
 SCALE: 1/8" = 1'-0"



CARPENTRY SHOP FLOOR PLAN - ALTERNATE "A"  
 SCALE: 1/8" = 1'-0"

NOTE: FIXTURES & PIPING IN THIS AREA AS SHOWN ON PLUMBING FLOOR PLAN BELOW.



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

6" CI-WASTE TO EXIST 18" CSF APPROX. 250 FT. LW OF NEW BLDG. WASH-HOLE IN 12" CSF. SEE PLOT PLAN. PROVIDE 6" PLUGGED 1" COCK & 150 FT. LW OF NEW BUILDING.



O.S.C.I. 601-29  
 PLUMBING FLOOR PLAN 1 OF 4

OREGON STATE CORRECTIONAL INSTITUTION

INDUSTRIAL VOCATIONAL UNIT #19  
 SALEM, OREGON

DRAWN: D. C. G. CHECKED: J. F. DATE: OCTOBER 6, 1961  
 REVISIONS

ANNAND & BOONE ARCHITECTS  
 ASSOCIATE ARCHITECTS BRYMAN & BUESSTUTTER  
 3033 S. W. KELLY AVENUE PORTLAND 1, OREGON