

MUNICIPAL POLICE HEADQUARTERS
AND CIRCUIT COURT BUILDING
NEW BRITAIN
CONNECTICUT

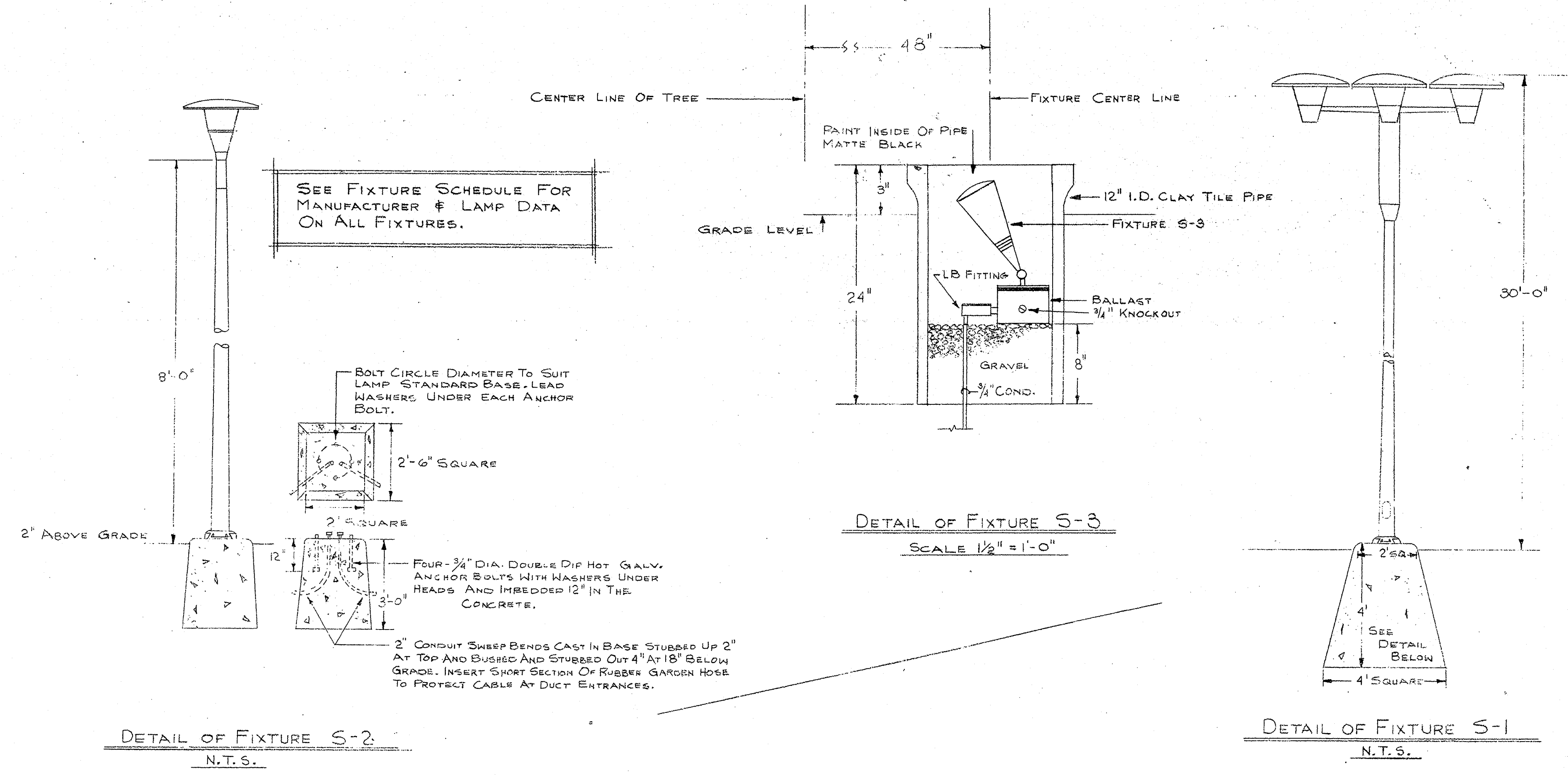
DATE
OCT. 1, 1966
SHEET NO.
ME-1



ARCHITECTS
HIRSCH - HAMMERBERG - KAESTL
NEW BRITAIN
CONNECTICUT

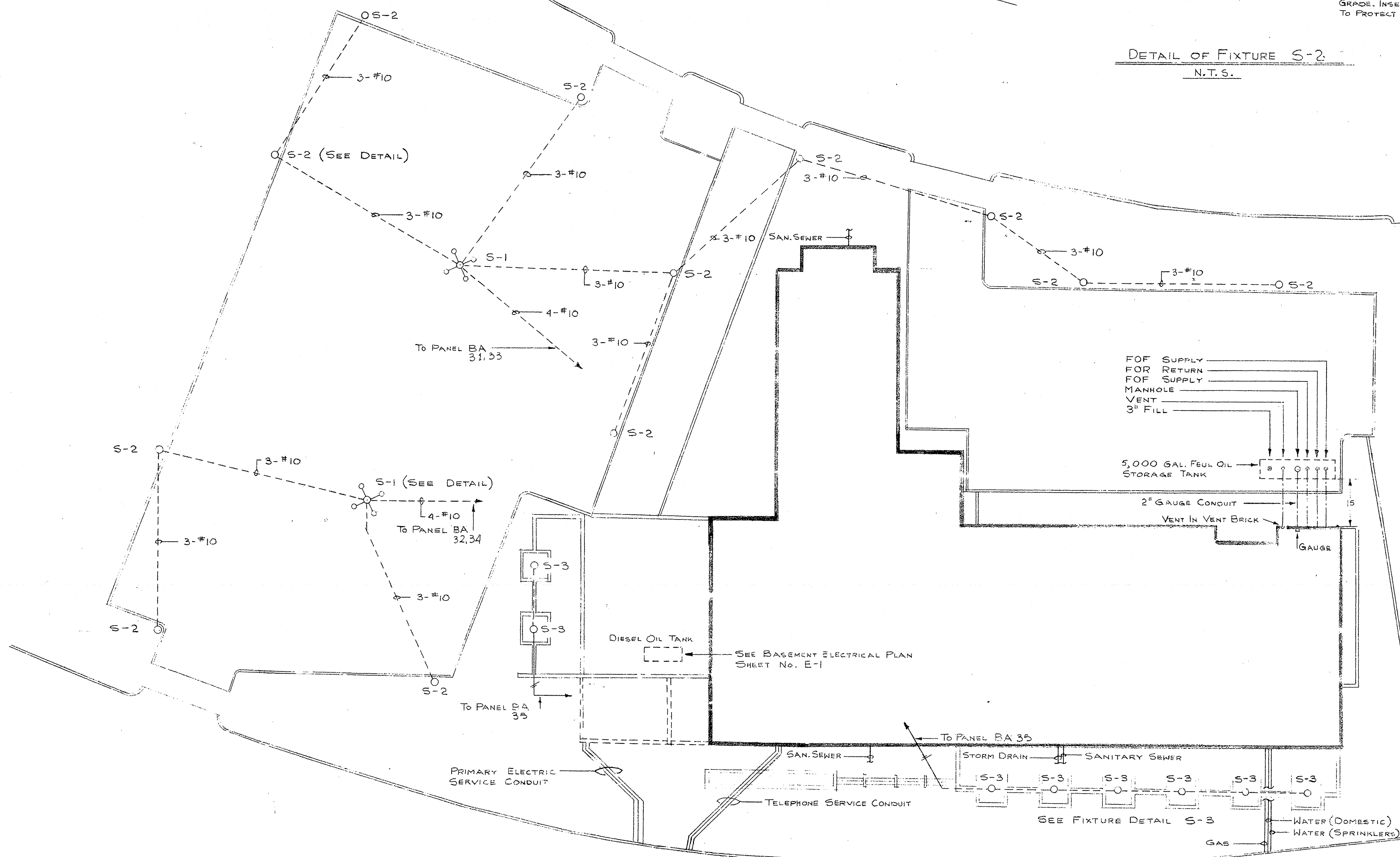
ALL CONCRETE BASES AND
CONCRETE WORK BY GENERAL
CONTRACTOR.

SEE FIXTURE SCHEDULE FOR
MANUFACTURER & LAMP DATA
ON ALL FIXTURES.

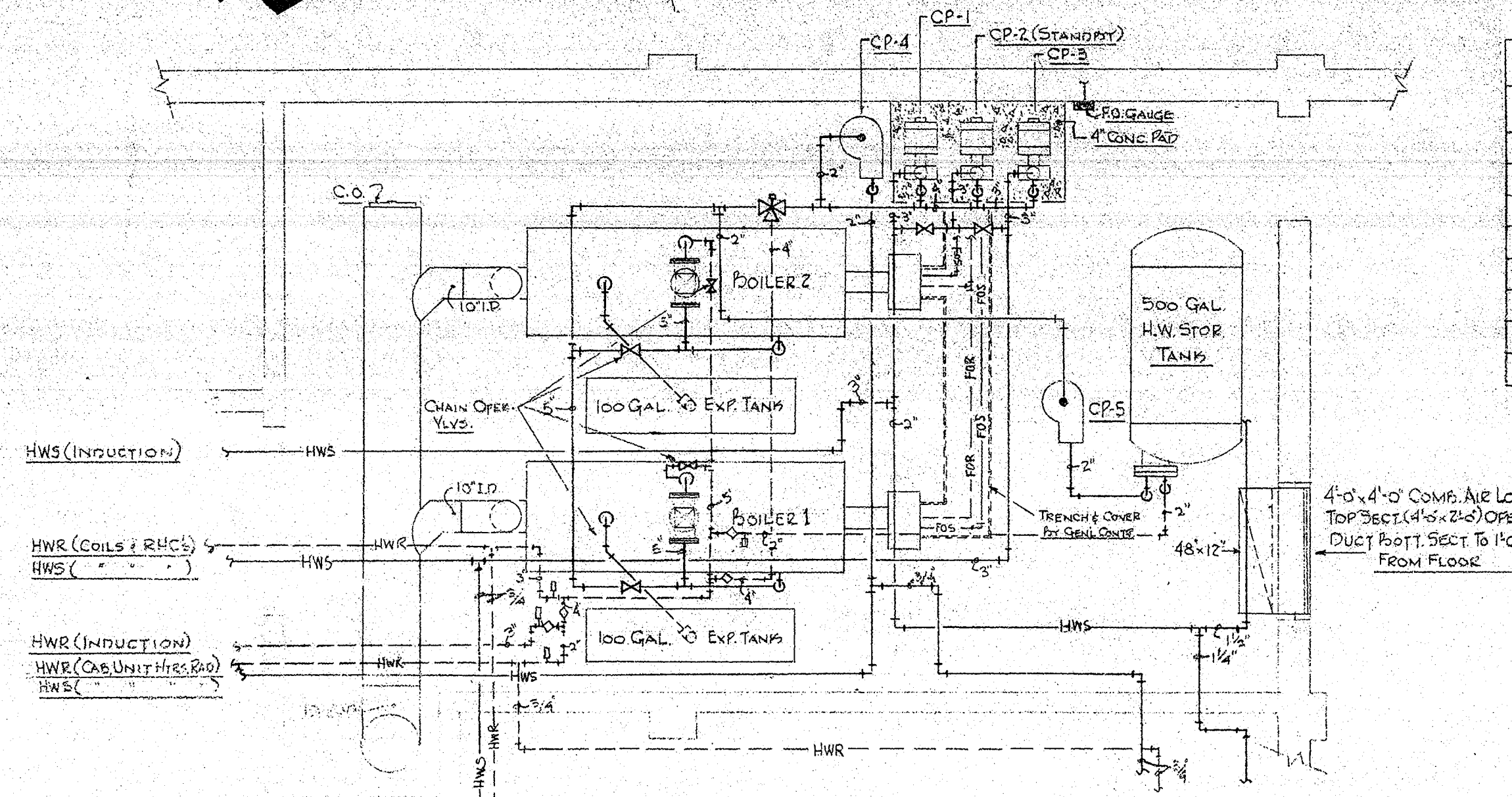


GENERAL NOTES

1- ALL EXTERIOR WIRING FOR SITE LIGHTING SHALL BE
DIRECT BURIAL CABLE, SIZE AS INDICATED ON
PLAN.

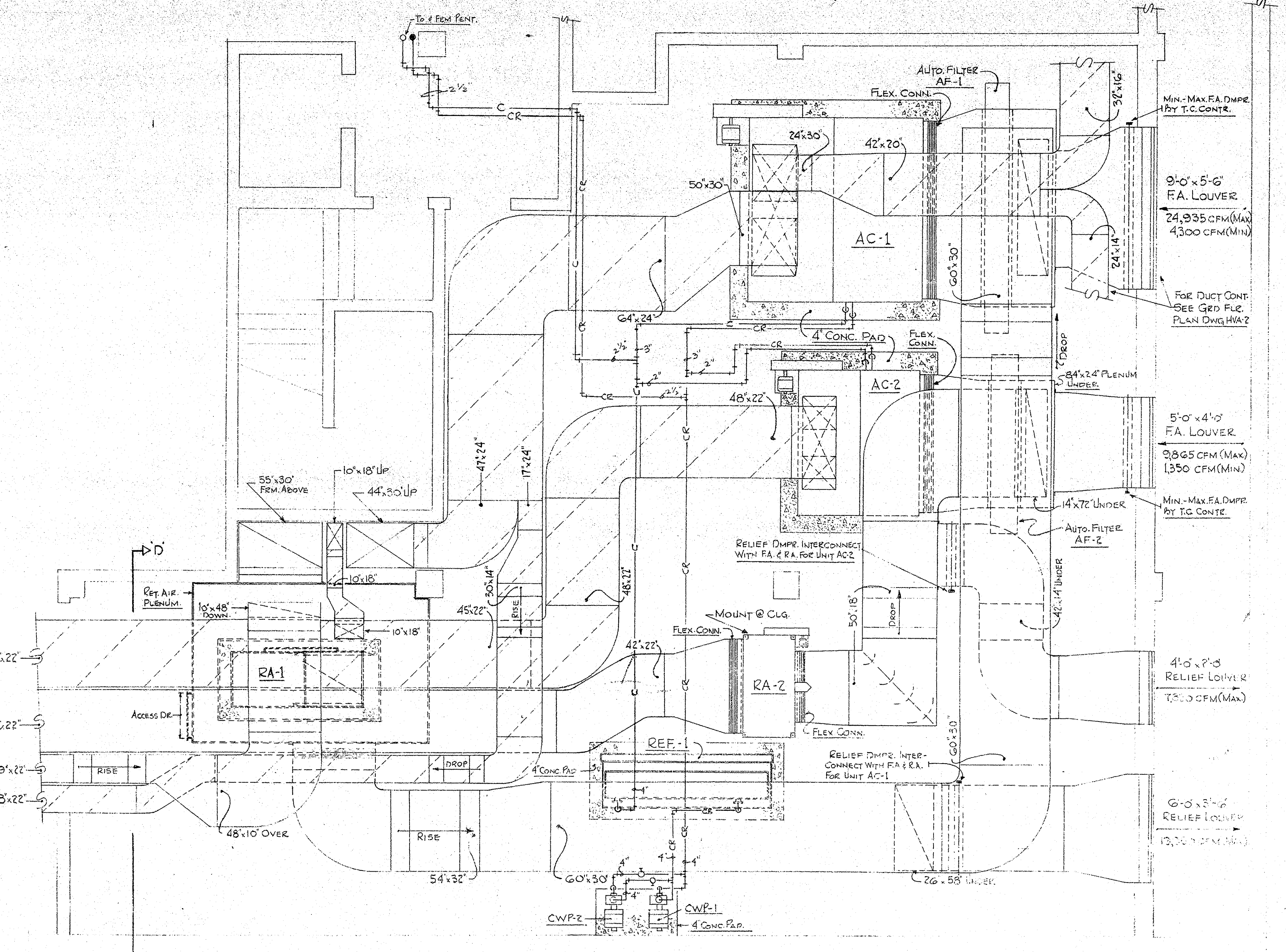
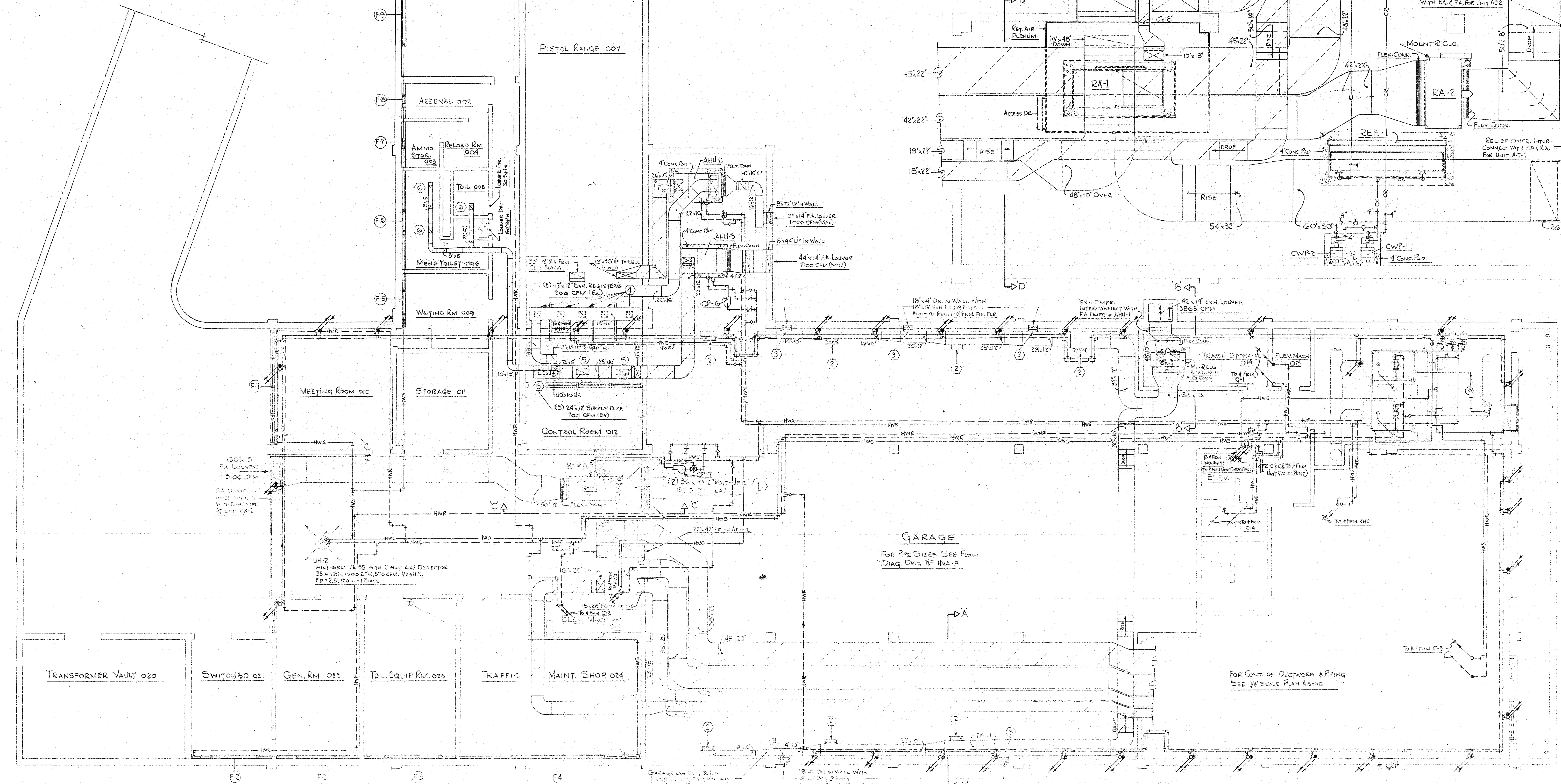


MECHANICAL & ELECTRICAL SITE PLAN
SCALE 1" = 20'-0"



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

PUMP NO.	SERVICE	OPERATING TEMP. RANGE	GPM	HEAD FT.	RPM	HP	ELECTRICAL V. F.	MAKE & MODEL NO.	REMARKS
CP-1	SUBSTATION UNITS	200° - 180°	12.5	52'	1750	3	208 3	BELL & GOSSETT U-2B	
CP-2	STANDBY	200° - 180°	12.5	52'	1750	3	208 3	U-2B	
CP-3	UNIT COILS & RNC'S	200° - 180°	150	25'	1750	1 1/2	208 3	U-2/4A	
CP-4	RAD. COILS & UNIT MTR'S	200° - 180°	24	40'	1700	1/4	208 3	U-2/4A	
CP-5	HOT WATER STORAGE	"	42	12'	1750	1/4	120 1	2 1/2"	
CP-6	SECONDARY	200° - 180°	10.5	11'	1750	1/4	120 1	1 1/4" HV	
CP-7	"	"	15.9	14'	1750	1/4	120 1	1 1/4" HA	
CWP-1 & 2	CHILLED WATER	52° - 45°	250.0	45'	1750	5	208 3		



NOTE: PROVIDE 1/2" COND. DRAIN FROM CONDENSING LINE TO FLOOR DRAIN (BY PLUMBER)

UNIT NO.	CFM	TOTAL COIL IN	FAN	MECH. LOSS	COOLING COIL	HEATING COIL	UNIT	MIN. AIR	FILTER	COOLING COIL	APPROX. MOTOR	MAKE & MODEL NO.	REMARKS
					WASH. VAL. R.P.M. DB. WB. DB. WB.	WASH. VAL. R.P.M. DB. WB. DB. WB.				WASH. VAL. R.P.M. DB. WB. DB. WB.			
AC-1	24,335	2.8	785	785.6	42°	540	781	649	51.0	17.1			
AC-2	3,865	2.4	300	180.9	42°	485	715	645	59.8	30.2			
RA-1	20,000	2"	582										
RA-2	7,820	1.6"	107.5										
EX-1	3,865	1"	100.8										
ANU-1	3,100	1.25"	329										
ANU-2	3,000	1.75"	106.5										
ANU-3	2,100	1.5"	982										

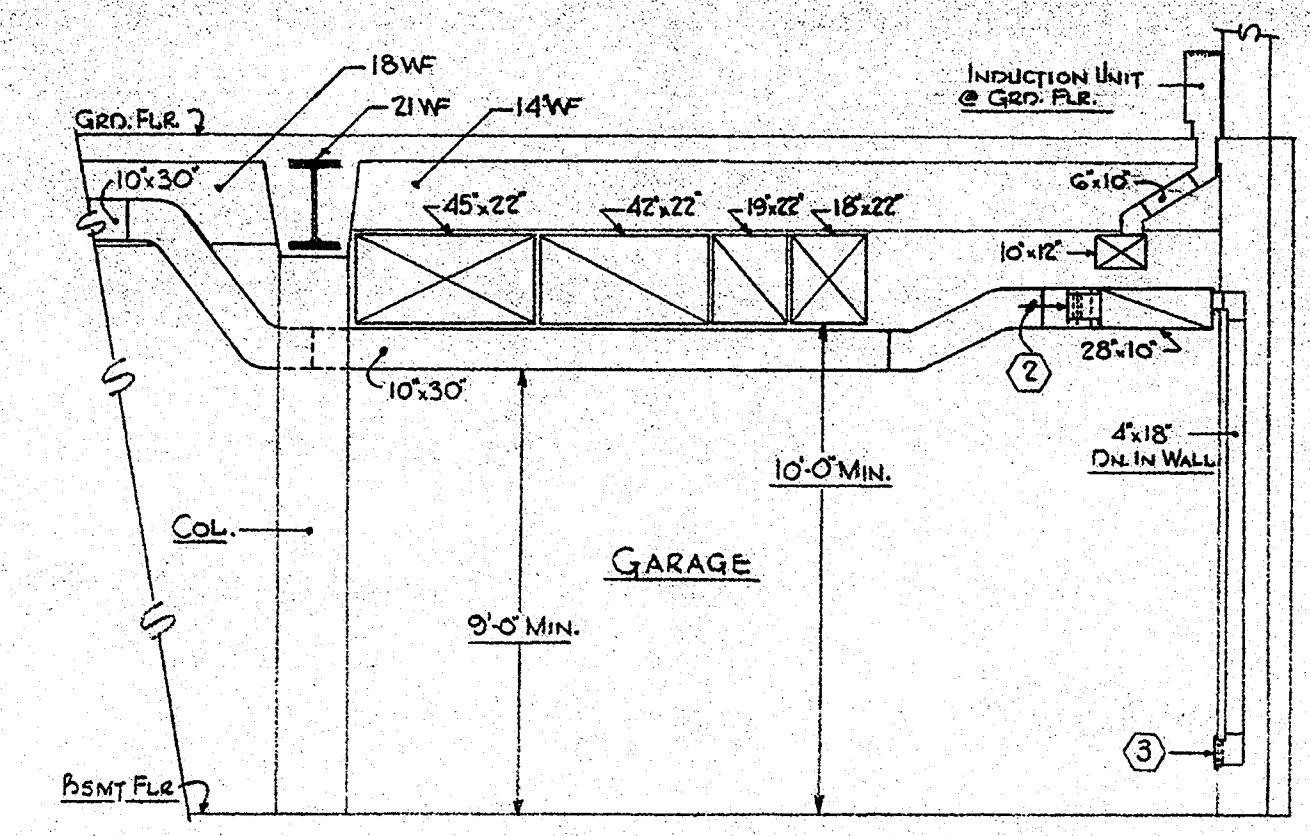
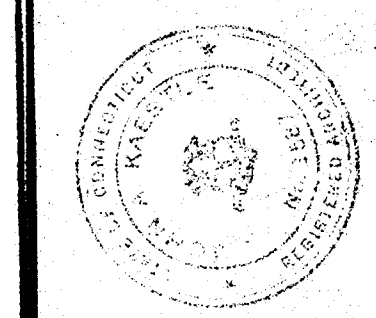
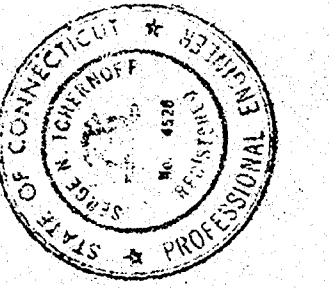
SYMBOL	AREA SERVED	CFM	MAKE, MODEL & SIZE	QTY	FINISH	REMARKS
1	GARAGE	1550 EA	AGITAIR ROTO-JET 105-36	2	WHITE BASED ENAMEL MATTE FIN. W/DAMPER	
2		370	TUTTLE & BAILEY T-08 20"x6"	7		
3		265	16"x6"	5		
4	SHOOTING RANGE	200	CRE-308 12"x12"	10		PAINTED BLACK
5		700	A-37-1 24"x12"	3		
6	TOIL. OOS, OOS	100	T-78 6"x8"	3		

SYMBOL	ELEMENT	BTU PER HOUR	FINISH	MBH	ENCLOSURE	MAKE & MODEL NUMBER	REMARKS
F-1	1/4" COPPER TUBE	1620	13'-0"	21.0	S	STERLING VENA LINE STYLE S W	
F-2	4 1/2" ALUM. FING. 30/30/15	8'-0"	13.0			C-1/85 ELEMENT	
F-3		9'-0"	14.6				
F-4		15'-0"	24.3				
F-5		4'-6"	7.3				WOOD OPERATED DAMPER
F-6		4'-0"	6.5				
F-7		1'-0"	2.4				
F-8		2'-0"	3.2				
F-9		M80	11'-0"	M.8	300	STERLING FINMASTER SERIES	ENAMELED METAL COVER LENGTH OF ELEMENT ONLY
F-10		11'-0"	16.3			200 W/ CWS ELEMENT	

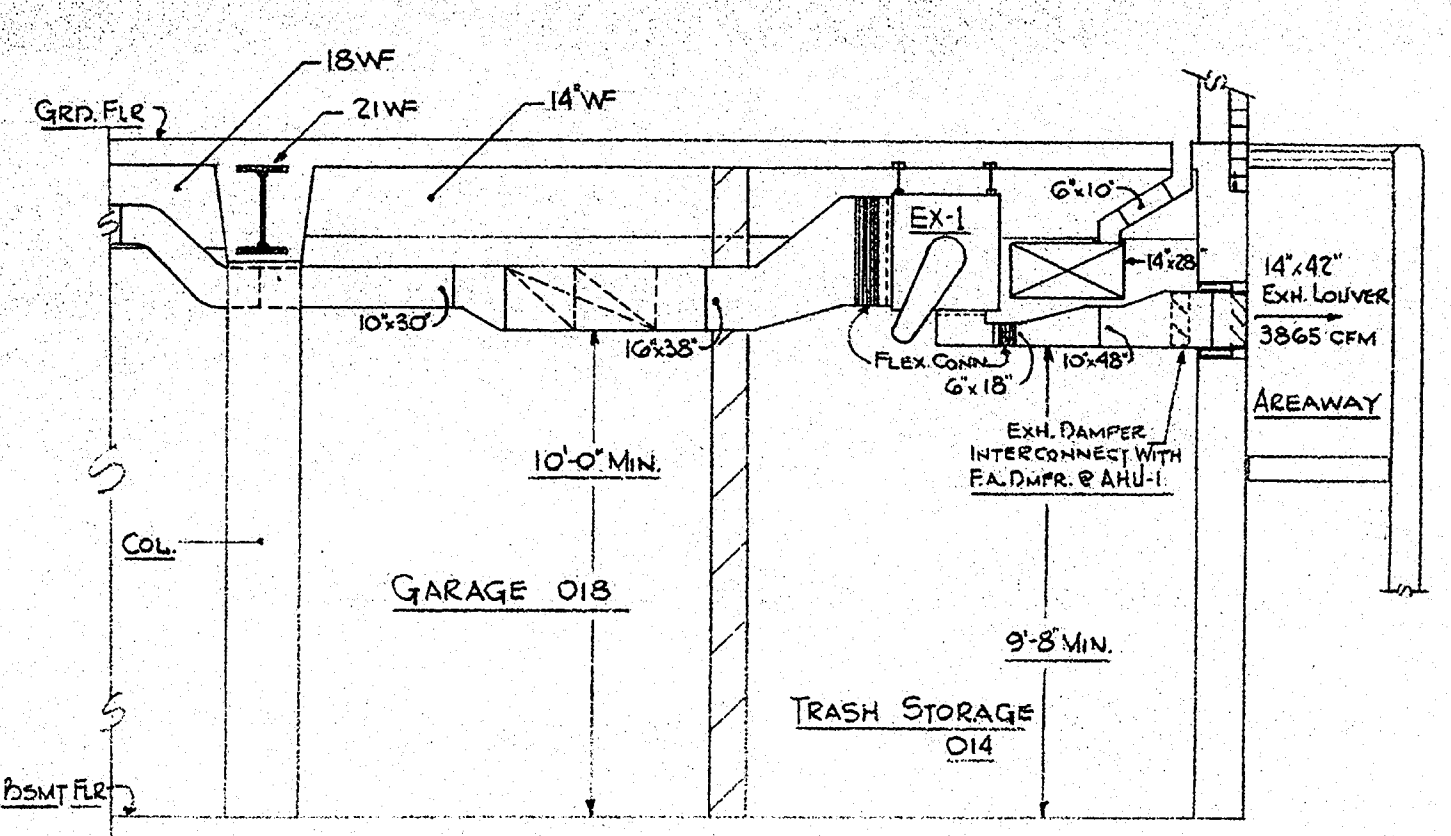
MUNICIPAL POLICE HEADQUARTERS BUILDING
 CONNECTICUT

DATE: OCT 1, 1966
 SHEET NO.: HVA-1

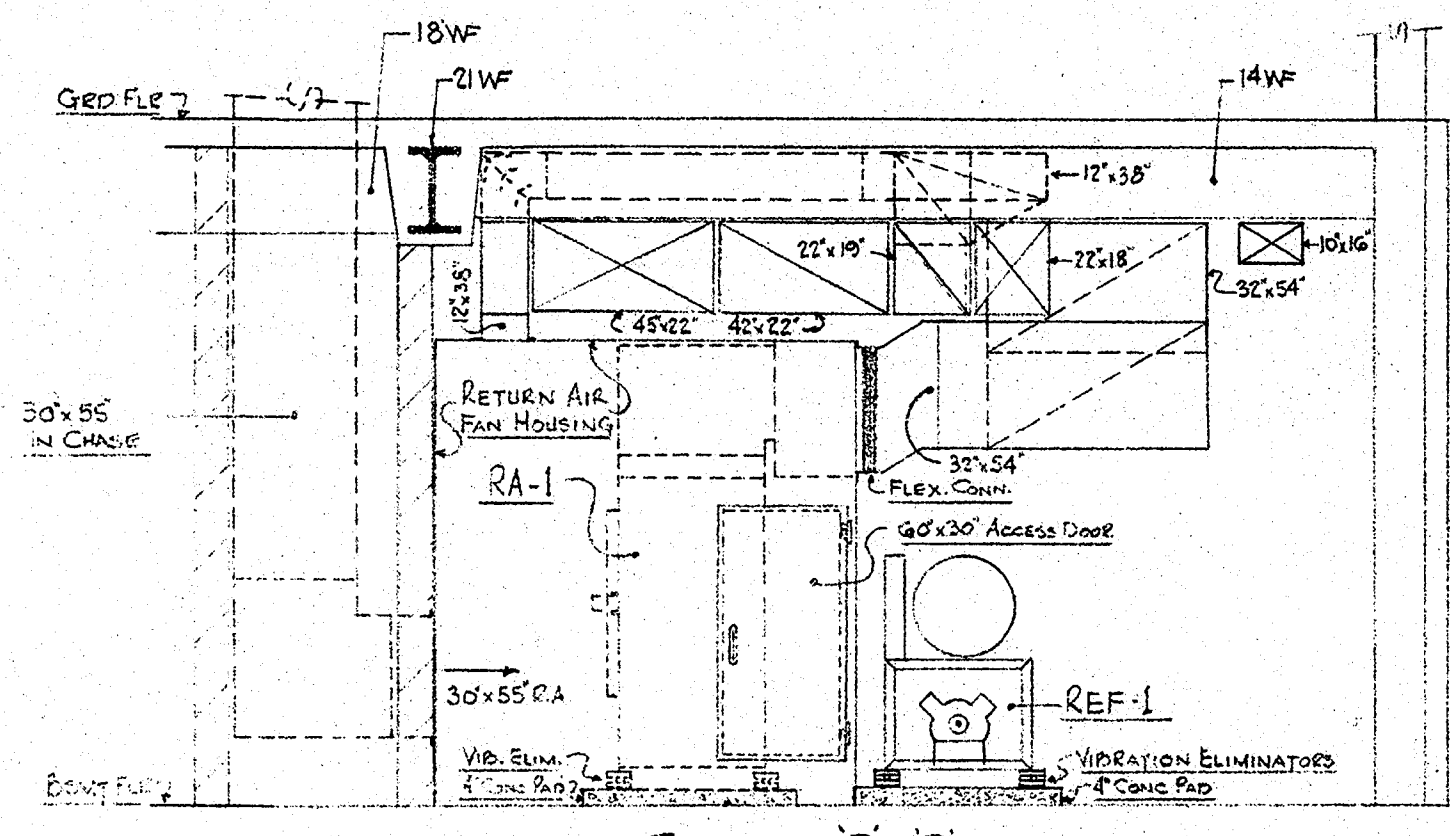
ARCHITECTS
 HRSCH - HAMMERBERG - KAESTLE
 1000 WEST MAIN STREET, NEW BRITAIN, CONNECTICUT 06106



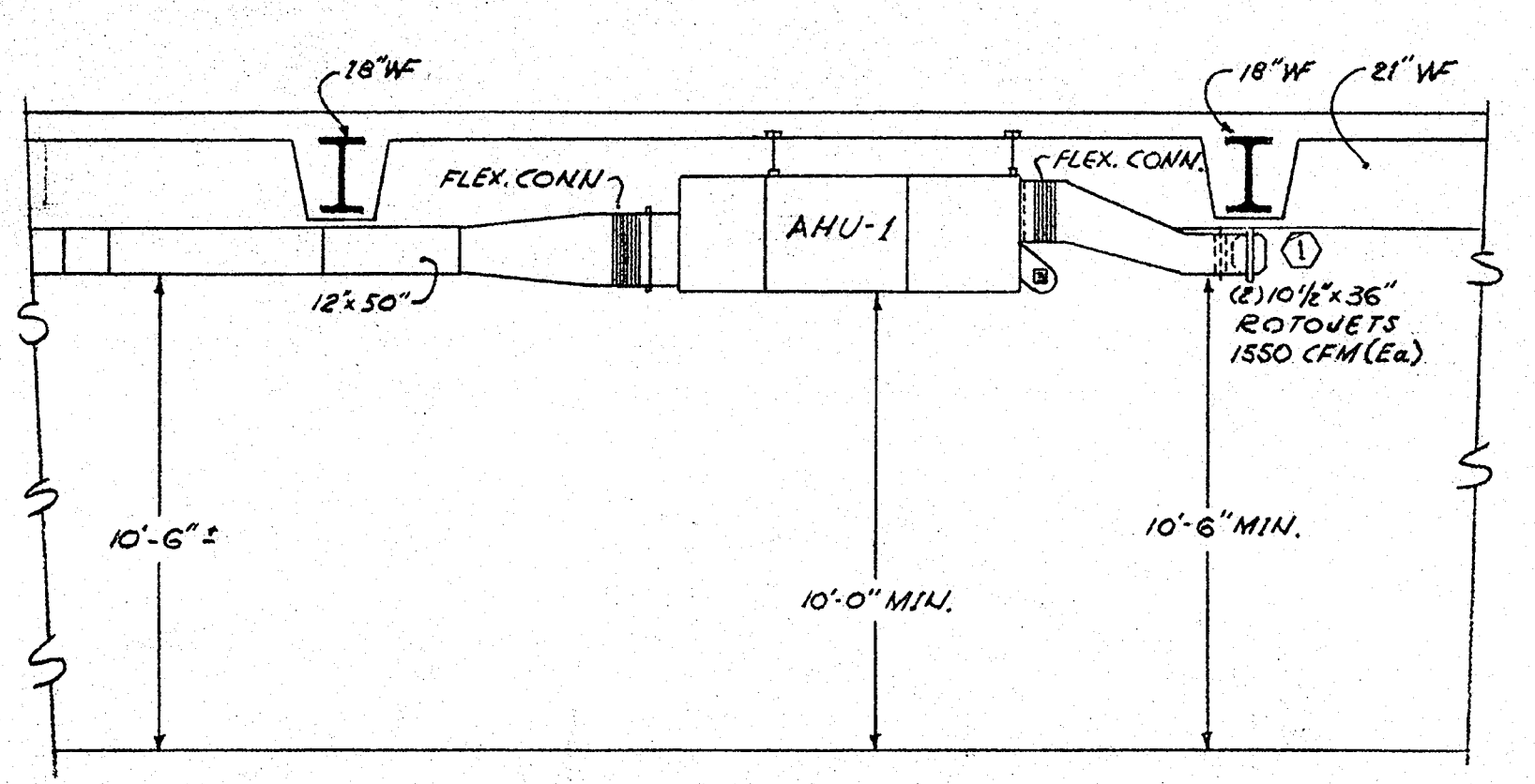
SECTION A-A
SCALE: 1/4" = 1'-0"



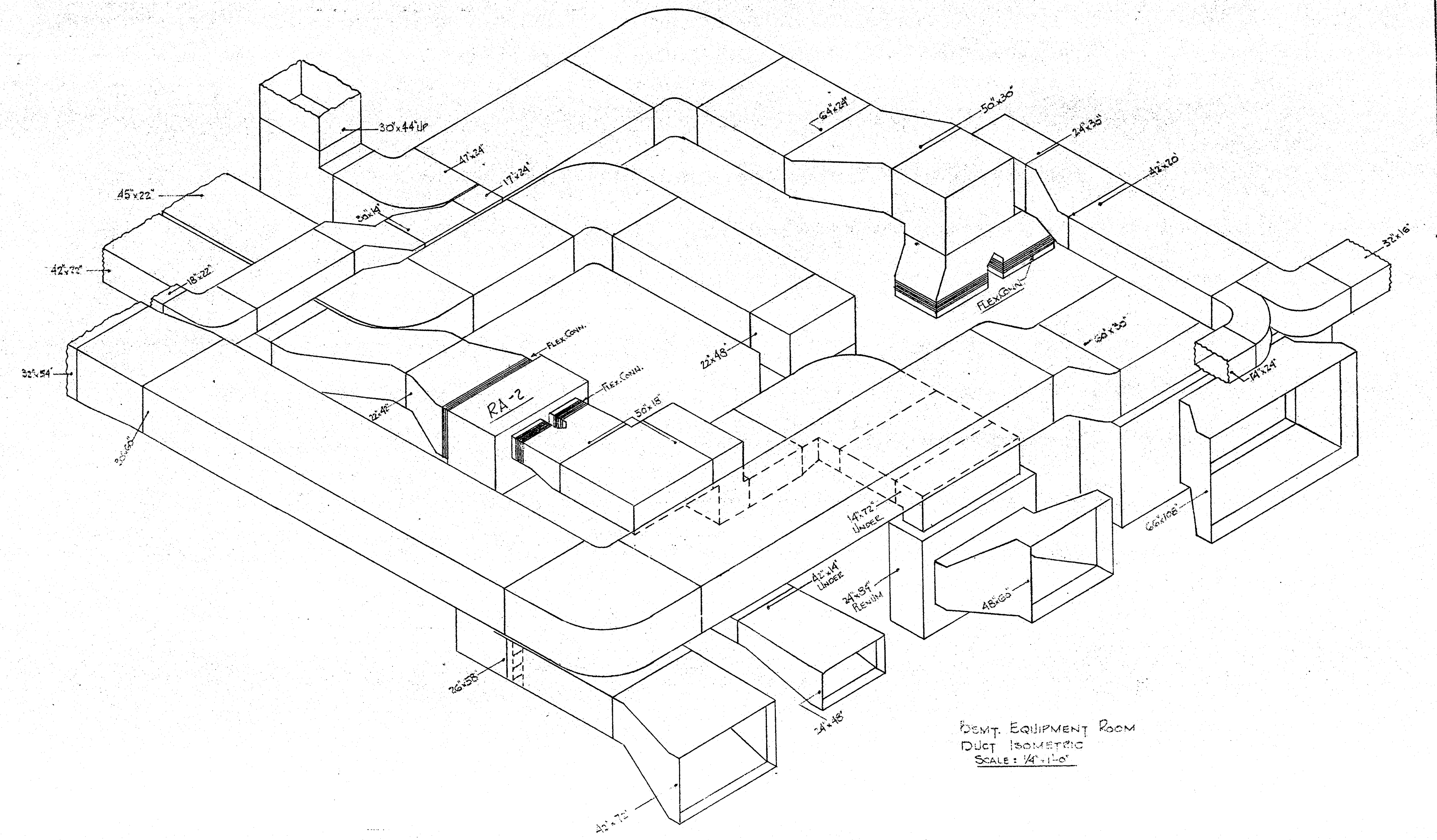
SECTION B-B
SCALE: 1/4" = 1'-0"



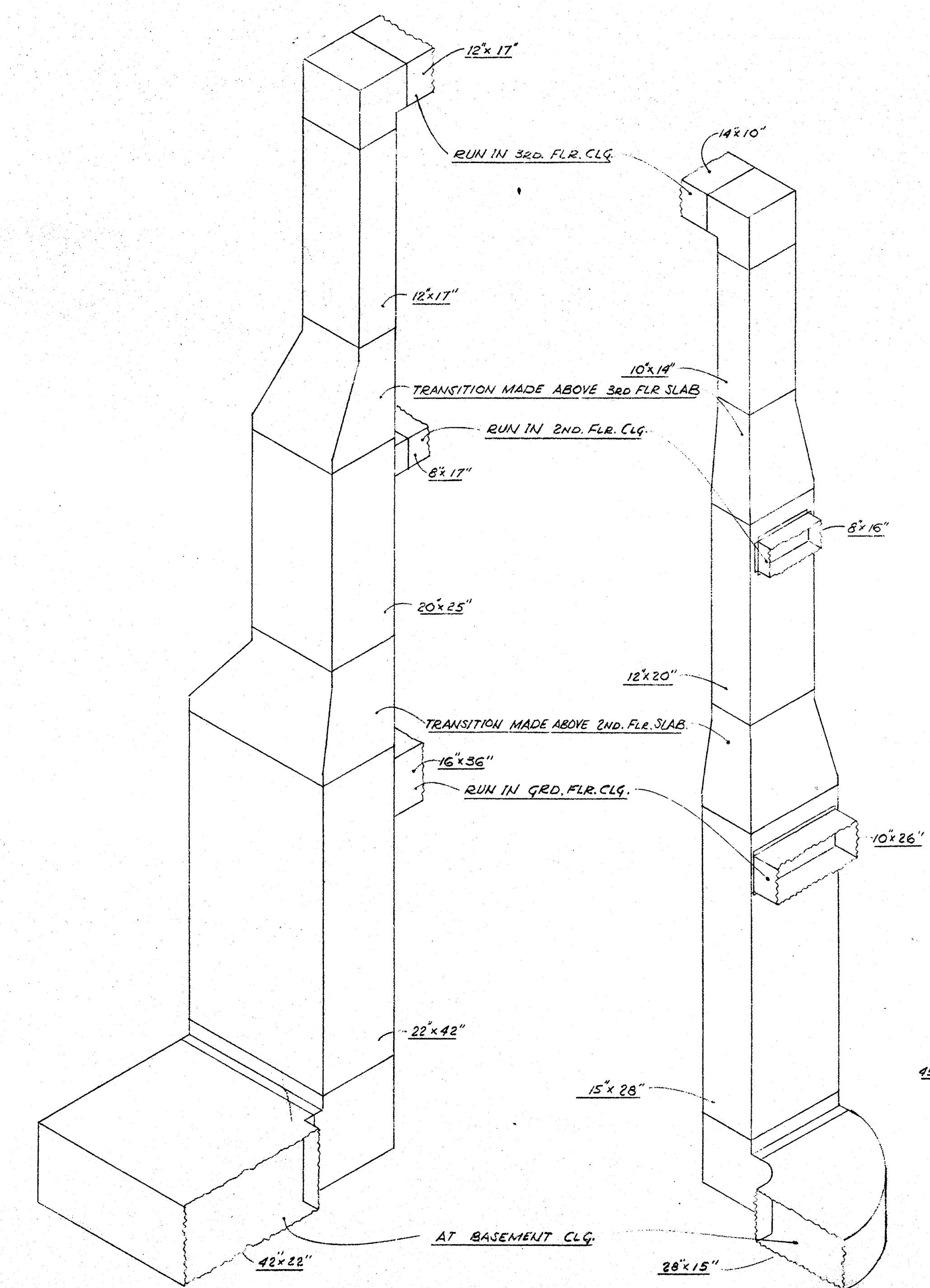
SECTION D-D
SCALE: 1/4" = 1'-0"



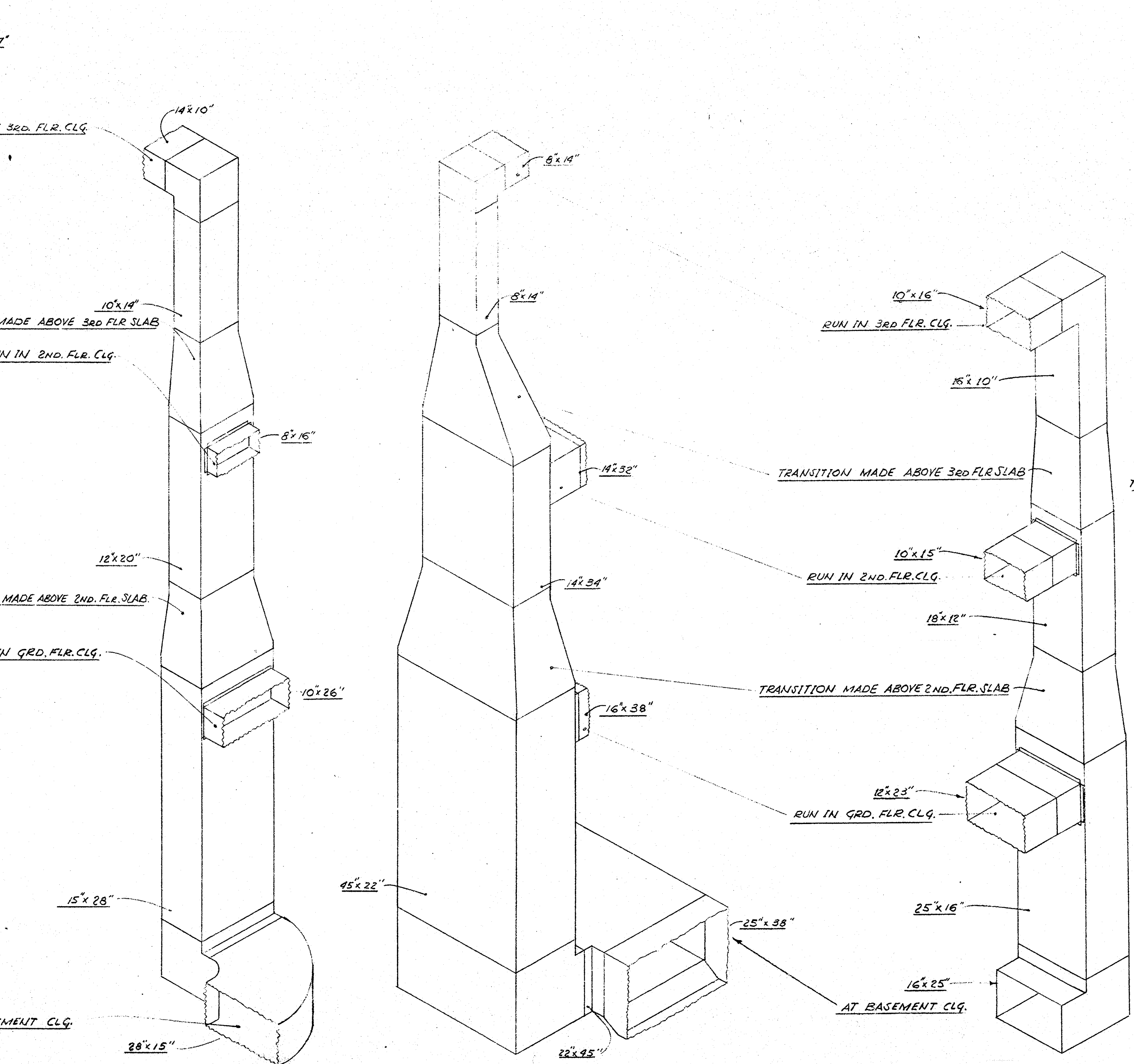
SECTION C-C
SCALE: 1/4" = 1'-0"



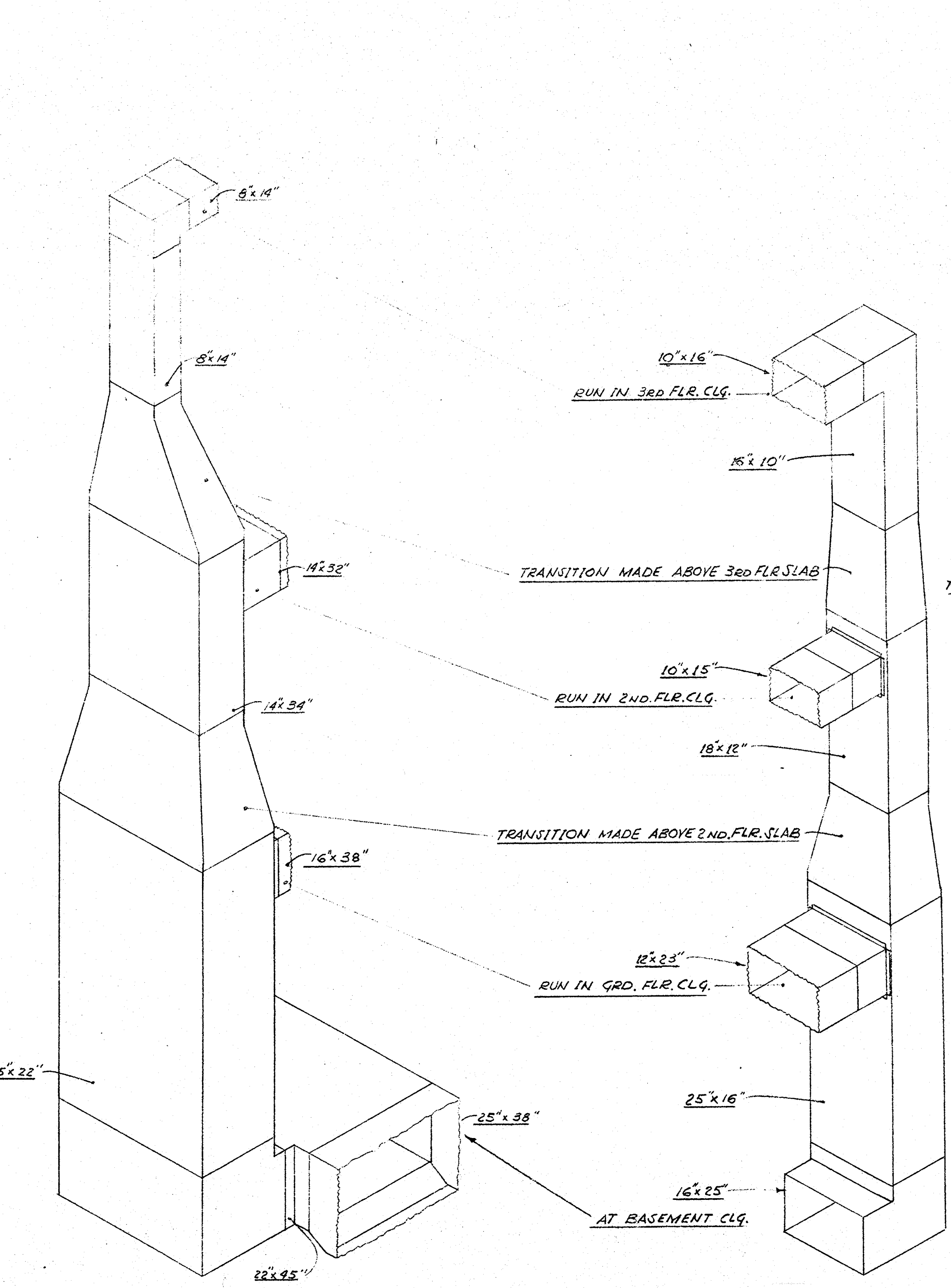
DEMT. EQUIPMENT ROOM
DUST ISOLATED
SCALE: 1/4" = 1'-0"



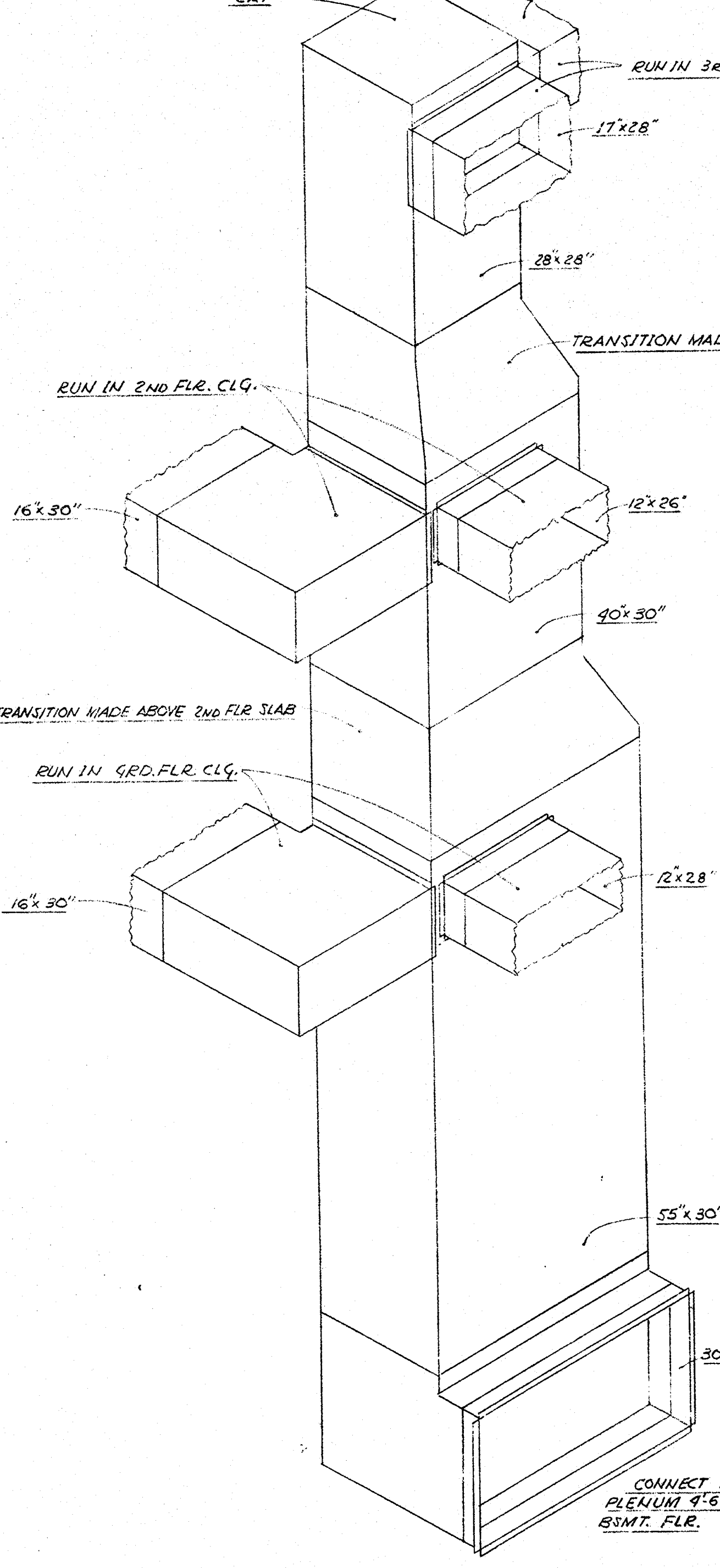
RETURN RISER FROM CORES [22-2]
N.T.S.



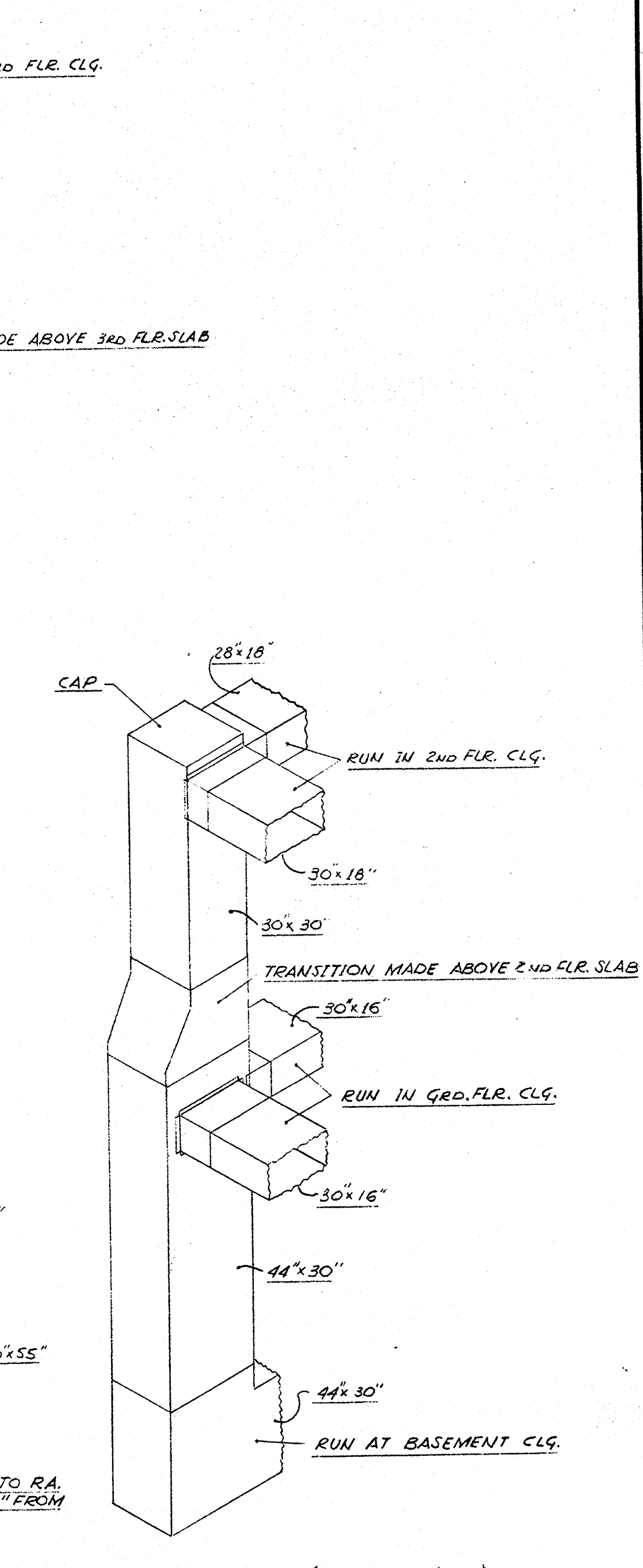
RETURN DUCT RISER FROM LOBBIES [22-7]
N.T.S.



SUPPLY DUCT RISER TO CORE [32-2]
N.T.S.



SUPPLY DUCT RISER TO LOBBIES [32-7]
N.T.S.



RETURN DUCT RISER (PERIMETER UNITS)
N.T.S.

SUPPLY DUCT RISER (INDUCTION UNITS)
N.T.S.

REHEAT COIL SCHEDULE											
SYMBOL	AREA SERVED	CFM	MAX. FACE VEL. FPM	MBH	GPM	P.D.	COIL SIZE	FAC. AIR TEMP. °F	W. AIR TEMP. °F	MAKE & MODEL NO.	REMARKS
RHC-1	GEN. FILE CORR.	565	75.0	38.2	17.4	1"	5'-6" x 10 1/2"	55°	114°	AERGIN CH.	
RHC-2	GEN. FILE LOBBY	1750	75.0	86.8	43.4	1"	2'-6" x 14 1/2"	55°	101.1°	"	"

BASED ON 200°F H₂O TEMP. 40°F TEMP. DROP

CABINET HEATER SCHEDULE										
SYMBOL	CAB. MBH	GPM	P.D.	CFM	EPH	H.R.	ELECT. V	UNIT MOUNT	MAKE & MODEL NO.	REMARKS
C-1	10.0	1.0	3"	390	300	1/2"	120	1	C-3	NEJITT 371
C-2	75.9	7.6	3.8"	395	1050	1/2"	120	1	C-3	"
C-3	9.7	.9	3"	280	750	1/2"	120	1	C-3	"
C-4	30.0	3	2.1"	265	750	1/2"	120	1	E-2	373

BASED ON 200°F H₂O TEMP. 20°F TEMP. DROP

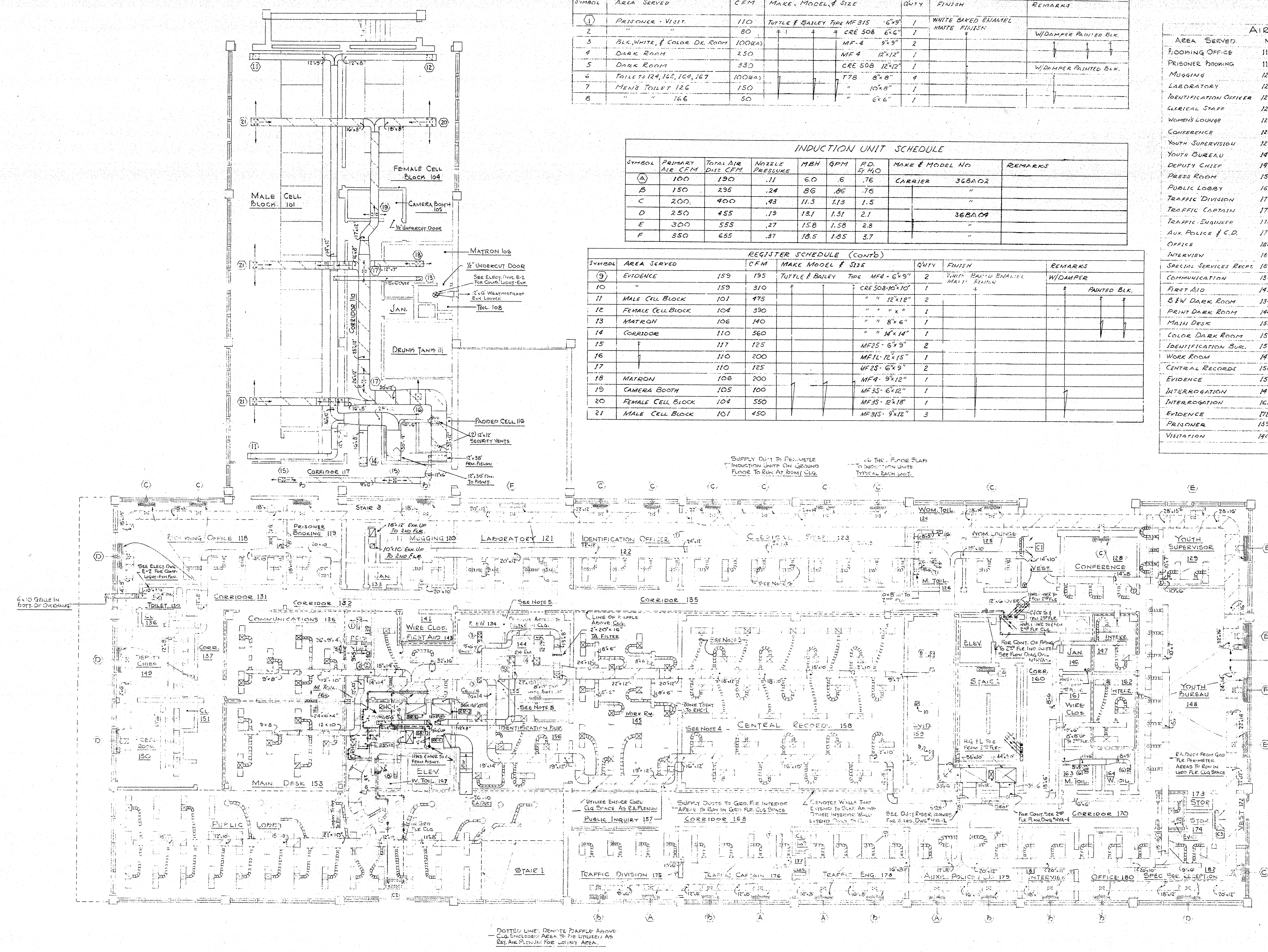
REGISTER & DIFFUSER SCHEDULE									
SYMBOL	AREA SERVED	CFM	MAKE, MODEL & SIZE	QTY	FINISH	REMARKS			
1	PRISONER - VISIT.	110	TUTTLE & BAILEY TIRE MF-315 6'x9"	1	WHITE BAKED ENAMEL				
2	"	80	"	1	WHITE FINISH	W/DAMPER PAINTED BLK.			
3	BLK. WHITE & COLOR DR. ROOM	100(4)	"	4	"	"			
4	DARK ROOM	230	MF-4 18" x 12"	1	"	"			
5	DARK ROOM	330	CRE 508 18" x 12"	1	"	W/DAMPER PAINTED BLK.			
6	TOILETS 124, 125, 126, 127	100(4)	"	4	"	"			
7	MEN'S TOILET 126	150	"	1	"	"			
8	"	50	"	1	"	"			

INDUCTION UNIT SCHEDULE									
SYMBOL	PRIMARY AIR CFM	TOTAL AIR DISE. CFM	NOZZLE PRESSURE	MBH	GPM	P.D.	W. H ₂ O	MAKE & MODEL NO.	REMARKS
A	100	100	.11	6.0	6	1/2"	176	CARRIER 36BA02	
B	150	295	.24	8.6	8.6	1/2"	176	"	
C	200	400	.43	11.3	11.3	1.5	"	"	
D	250	455	.79	13.1	13.1	2.1	"	36BA01	
E	300	555	.77	15.8	15.8	2.8	"	"	
F	350	655	.81	18.5	18.5	3.7	"	"	

REGISTER SCHEDULE (CONT'D)									
SYMBOL	AREA SERVED	CFM	MAKE, MODEL & SIZE	QTY	FINISH	REMARKS			
9	EVIDENCE	159	TUTTLE & BAILEY TIRE MF-4 6'x9"	2	WHITE BAKED ENAMEL	W/DAMPER PAINTED BLK.			
10	"	159	CRE 508 6'x9"	1	WHITE FINISH	"			
11	MALE CELL BLOCK	101	"	2	"	"			
12	FEMALE CELL BLOCK	104	"	2	"	"			
13	MATRON	106	"	1	"	"			
14	CORRIDOR	110	"	1	"	"			
15	"	117	"	2	"	"			
16	"	110	"	2	"	"			
17	"	110	"	2	"	"			
18	MATRON	158	MF-4 9'x12"	1	"	"			
19	CAMERA BOOTH	105	MF-35 6'x12"	1	"	"			
20	FEMALE CELL BLOCK	104	MF-35 6'x12"	1	"	"			
21	MALE CELL BLOCK	101	MF-35 6'x12"	3	"	"			

- GENERAL NOTES:
- SEE AIR BALANCE SCHEDULE FOR NUMBER AND CAPACITY OF SUPPLY AND RETURN TROFFERS (EA AREA)
 - DUCT SIZES SHOWN ARE OUTSIDE DIMENSIONS (INCLUDING SOUND LINING)
 - PROVIDE 5" FLEXIBLE CONNECTIONS TO ALL SUPPLY TROFFERS. NOT LESS THAN 10'-0" LONG (NON-INSULATED)
 - PROVIDE 12" INTERNAL SOUND LINING ON ALL SUPPLY DUCTS.
 - PROVIDE 3/4" INS. LIGHTPOOF, DARKROOM TYPE DOOR LOUVER.
 - PROVIDE 5" FLEXIBLE CONNECTIONS TO RETURN TROFFERS NAMED ON PLAN. NOT LESS THAN 6'-0" LONG (NON-INS)
 - VENT ALL HIGH POINTS OF THE SYSTEM.
 - AIR DIFFUSING TROFFERS SHALL BE SUPPLIED BY THE ELECTRICAL CONTRACTOR COMPLETE WITH AIR SUPPLY AND RETURN EQUIPMENT. ALL AIR CONNECTIONS SHALL BE MADE BY THE Htg. & A.C. CONTRACTOR AND COORDINATED WITH THE ELECTRICAL CONTRACTOR.
 - SCHEDULES SHOWN ON THIS DWG. APPLY ONLY TO THIS DWG.
 - PROVIDE FIRE DAMPERS (CRUSHIBLE LINS TYPE) WHERE SHOWN AND WHERE REQUIRED BY LOCAL CODES. SUPPLY LINNAGE - 200°F. RETURN LINNAGE - 105°F.

AIR BALANCE SCHEDULE				
AREA SERVED	N ^o	SUPPLY TROFFERS @ CFM EA.	TOTAL RETURN TROFFERS @ CFM EA.	TOTAL
ROOMING OFFICE	118	2 @ 85 CFM EA.	2 @ 85 CFM EA.	510
PRISONER ROOMING	119	2 @ 60 "	2 @ 60 "	120
MUGGING	120	2 @ 60 "	2 @ 60 "	120
LABORATORY	121	4 @ 70 "	4 @ 70 "	280
IDENTIFICATION OFFICER	122	4 @ 90 "	4 @ 90 "	320
CLERICAL STAFF	123	8 @ 80 "	8 @ 80 "	640
WOMEN'S LOUNGE	125	2 @ 80 "	2 @ 80 "	160
CONFERENCE	128	3 @ 55 "	3 @ 55 "	165
YOUTH SUPERVISOR	129	5 @ 95 "	5 @ 95 "	475
YOUTH BUREAU	148	8 @ 95 "	8 @ 95 "	760
DEPUTY CHIEF	159	3 @ 65 "	3 @ 65 "	195
PRESS ROOM	180	3 @ 65 "	3 @ 65 "	195
PUBLIC LOBBY	165	1 DOWNLIGHT @ 75 CFM EA. 14 TROFFERS @ 35 CFM EA.	1799	1490
TRAFFIC DIVISION	175	4 @ 50 CFM EA.	4 @ 50 CFM EA.	200
TRAFFIC CAPTAIN	176	4 @ 50 "	4 @ 50 "	200
TRAFFIC ENGINEER	178	4 @ 50 "	4 @ 50 "	200
AUX. POLICE / C.D.	179	4 @ 50 "	4 @ 50 "	200
OFFICE	180	2 @ 60 "	2 @ 60 "	120
INTERVIEW	181	2 @ 60 "	2 @ 60 "	120
SPECIAL SERVICES REPT.	182	3 @ 100 "	3 @ 100 "	300
COMMUNICATION	183	6 @ 80 CFM EA.	6 @ 80 "	480
FIRST AID	184	4 @ 65 "	4 @ 65 "	260
5 IN. DARK ROOM	185	(1) SUPPLY DIFFUSER	100	100
PAINT DARK ROOM	186	(1) "	100	100
MAIN DESK	188	6 @ 80 CFM EA.	480	(1) EXHAUST REGISTER
COLOR DARK ROOM	189	(1) SUPPLY DIFFUSER	100	6 @ 64 CFM EA.
IDENTIFICATION BUREAU	196	6 @ 75 CFM EA.	450	5 @ 70 CFM EA.
WORK ROOM	195	12 @ 70 "	840	12 @ 56 "
CENTRAL RECORDS	158	27 @ 60 "	1620	27 @ 50 "
EVIDENCE	159	12 SUPPLY DIFFUSERS	350	(1) RETURN REGISTER
INTERROGATION	177	2 @ 70 "	140	2 @ 55 "
INTERROGATION	162	3 @ 55 "	165	3 @ 45 "
EVIDENCE	171	1 @ 80 "	80	"
PRISONER	149	(1) SUPPLY DIFFUSER	110	"
VISITATION	190	"	"	(1) RETURN REGISTER
TOTAL		7563	7563	11069



GROUND LEVEL PLAN
SCALE: 1/8" = 1'-0"

MUNICIPAL POLICE HEADQUARTERS
 AND CIRCUIT COURT BUILDING
 NEW BRITAIN
 CONNECTICUT

DATE: OCT. 1, 1966
 SHEET NO. HVA-3

ARCHITECTS
 NEW BRITAIN
 HIRSCH - HAMMERBERG - KAESTLE
 ONE HUNTER STREET - NEW BRITAIN, CONN. - TEL. 533-1100



RADIATION SCHEDULE						
SYMBOL	ELEMENT	RADIATOR FIN LENGTH	TOTAL MEN	ENCLOSURE TYPE	MAKE & MODEL NO.	REMARKS
(F)	1 1/4" COPPER PIPE 1/4" x 1/4" ALUM. FIN 50 PWS/FT.	1600	3.2	S	AS SHOWN	STAINLESS STEEL-LINE STYLE
F-2		1'-6"	2.4			KING OPER'D DRGR.
F-3		3'-0"	4.1			
F-4		3'-0"	4.3			(2) RECD.

REHEAT COIL SCHEDULE										
SYMBOL	AREA SERVED	CFM	MAX. FACE VEL. F.P.M.	INCH	OD.	COIL SIZE	ENT. AIR TEMP. °F	DIS. AIR TEMP. °F	MAKE & MODEL NO.	REMARKS
RHC-1	LOBBY 240	120	700	1.85	6"	16" x 11 1/2"	55°F	101.7°F	AEROFIN TYPE NP	
RHC-2	2 ND FLR CORR	2970	750	191.1	9.55	1 1/8" 30" x 20 1/2"	55°F	118.5°F	TYPE CH	
RHC-3	ASSEMBLY 203	5800	750	356.8	17.89	1 1/8" 51 1/2" x 20 1/2"	55°F	114°F		
RHC-4		5100	750	335.0	16.95	1 1/8" 51" x 20 1/2"	55°F	114°F		

BASED ON 200°F H₂O TEMP. 40°F TEMP. DROP

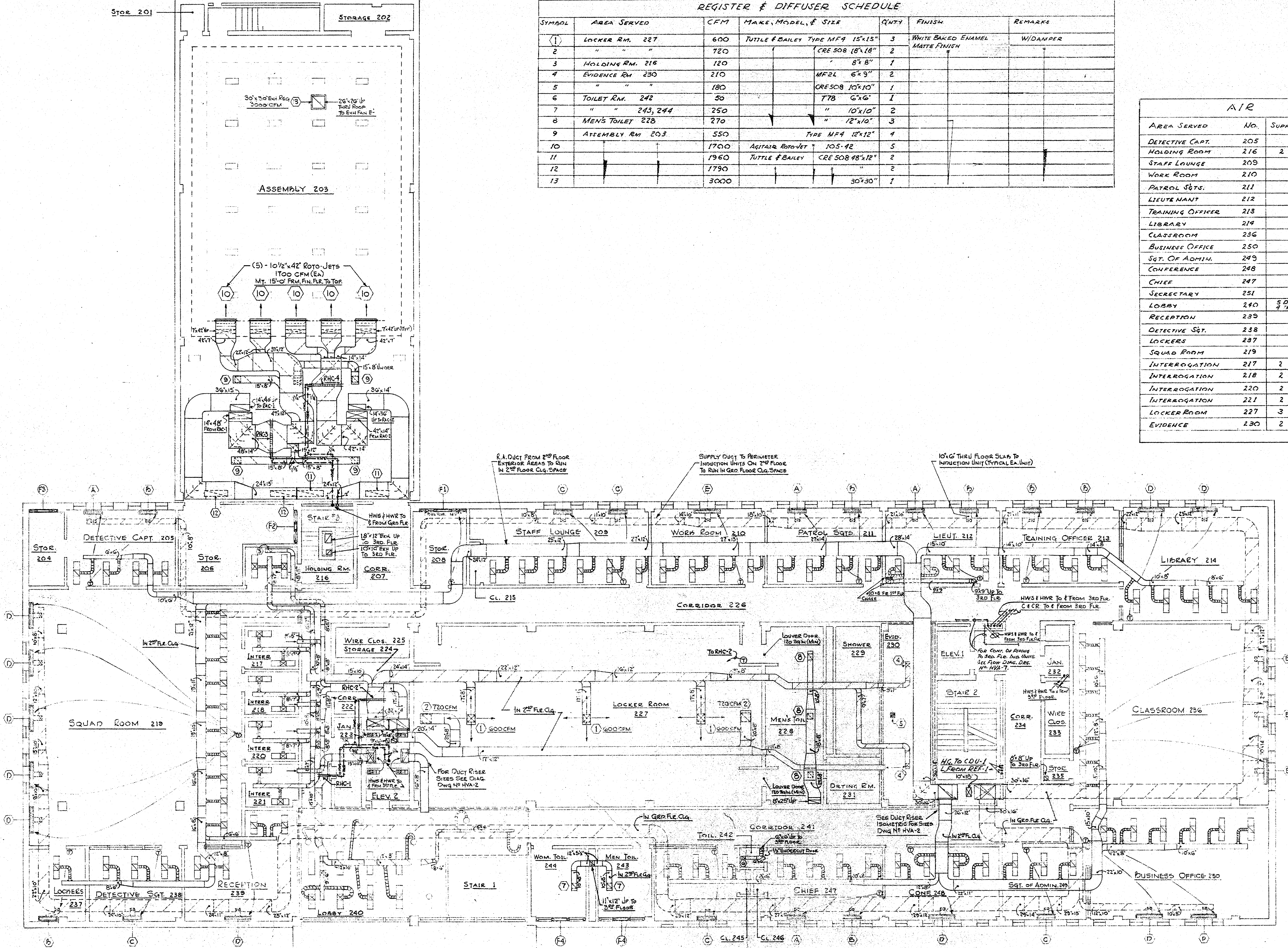
INDUCTION UNIT SCHEDULE									
SYMBOL	PRIMARY AIR CFM	TOTAL AIR DUCT CFM	NOZZLE PRESSURE	MIN. MEN	G.P.M.	R.O. FT. H ₂ O	MAKE & MODEL NO.	REMARKS	
(A)	100	190	.11	6.0	.6	.76"	CARRIER	368A02	
(B)	150	295	.14	8.6	.86	.76"			
(C)	200	400	.18	11.3	1.13	1.5"			
(D)	250	455	.19	13.1	1.31	2.1"		368A02	
(E)	300	555	.27	15.8	1.58	2.8"			
(F)	350	655	.37	18.3	1.83	3.7"			

BASED ON 200°F TEMP. 20°F TEMPERATURE DROP

GENERAL NOTES:
 1. SEE AIR BALANCE SCHEDULE FOR NUMBER & CAPACITY OF SUPPLY & RETURN TROFFERS (EA AREA).
 2. DUCT SIZES ARE OUTSIDE DIMENSIONS (INCLUDING SOUND LINING).
 3. PROVIDE FLEXIBLE CONNECTIONS TO ALL SUPPLY TROFFERS NOT LESS THAN 10'-0" LONG (INSULATED).
 4. PROVIDE 1/2" INTERNAL SOUND LINING ON ALL SUPPLY DUCTS.
 5. PROVIDE 5" FLEXIBLE CONNECTIONS TO RETURN TROFFERS AS NOTED ON PLAN NOT LESS THAN 6'-0" LONG (NON-INSULATED).
 6. IDENTIFY ALL HIGH POINTS OF THE SYSTEM.
 7. AIR DIFFUSING TROFFERS SHALL BE SUPPLIED BY THE ELECTRICAL CONTRACTOR COMPLETE WITH AIR SUPPLY & RETURN EQUIPMENT. ALL AIR CONNECTIONS SHALL BE MADE BY THE HTG. & A.C. CONTRACTOR & CO-ORDINATED WITH THE ELECTRICAL CONTRACTOR.
 8. SCHEDULES ON THIS DWG. APPLY ONLY TO THIS DWG.
 9. PROVIDE FIRE DAMPERS (FUSIBLE LINK TYPE) WHERE SHOWN & WHERE REQUIRED BY LOCAL CODES. SUPPLY LINKAGE 200°F. RETURN LINKAGE 165°F.

REGISTER & DIFFUSER SCHEDULE									
SYMBOL	AREA SERVED	CFM	MAKE, MODEL, & SIZE	QTY	FINISH	REMARKS			
(1)	LOCKER RM. 227	600	TUTTLE & BAILEY TYPE MF9 15" x 15"	3	WHITE BAKED ENAMEL MATTE FINISH	WIDENNER			
2	"	720	" " CRE SOB 18" x 18"	2	"	"			
3	HOLDING RM. 216	120	" " 8" x 8"	1	"	"			
4	EVIDENCE RM. 230	210	MF2L 6" x 9"	2	"	"			
5	"	180	" " 6" x 9"	1	"	"			
6	TOILET RM. 242	30	" " 7 1/2" x 5 1/2"	1	"	"			
7	"	240	" " 12" x 10"	2	"	"			
8	MEN'S TOILET 228	270	" " 12" x 10"	3	"	"			
9	ASSEMBLY RM. 203	550	TYPE MF4 12" x 12"	4	"	"			
10		1700	AGITALA ROTAVET 105-12	5	"	"			
11		1960	TUTTLE & BAILEY CRE SOB 18" x 18"	2	"	"			
12		1790	" " " " "	2	"	"			
13		3000	" " 30" x 30"	1	"	"			

AIR BALANCE SCHEDULE					
AREA SERVED	NO.	SUPPLY TROFFERS @ CFM EA.	TOTAL	RETURN TROFFERS @ CFM EA.	TOTAL
DETECTIVE CAPT.	205		4 @ 50 CFM EA.		200
HOLDING ROOM	216	2 @ 75 CFM EA.	150	1 RETURN AIR REGISTER	120
STAFF LOUNGE	209		6 @ 55 CFM EA.		330
WORK ROOM	210		4 @ 60 " "		240
PATROL SGT.	211		4 @ 50 " "		200
LIEUTENANT	212		4 @ 50 " "		200
TRAINING OFFICER	213		4 @ 60 " "		240
LIBRARY	214		5 @ 80 " "		400
CLASSROOM	236		7 @ 100 " "		700
BUSINESS OFFICE	250		4 @ 70 " "		280
SGT. OF ADMIN.	249		3 @ 55 " "		165
CONFERENCE	248		4 @ 50 " "		200
CHIEF	247		4 @ 50 " "		200
SECRETARY	251		3 @ 50 " "		165
LOBBY	240	5 DOWNLIFTS @ 65 CFM EA. & TROFFERS @ 100 CFM EA.	725	5 DOWNLIFTS @ 35 CFM EA. & TROFFERS @ 60 CFM EA.	620
RECEPTION	239		4 @ 50 " "		200
DETECTIVE SGT.	238		3 @ 55 " "		165
LOCKERS	237		1 @ 100 " "		100
SQUAD ROOM	219		10 @ 100 " "		1000
INTERROGATION	217	2 @ 75 CFM EA.	150	2 @ 60 " "	120
INTERROGATION	218	2 @ 75 " "	150	2 @ 60 " "	120
INTERROGATION	220	2 @ 75 " "	150	2 @ 60 " "	120
INTERROGATION	221	2 @ 75 " "	150	2 @ 60 " "	120
LOCKER ROOM	227	3 SUPPLY DIFFUSERS	1800	2 RETURN AIR REGISTERS	140
EVIDENCE	230	2 " " "	420	1 " " "	80
		TOTAL	3695	TOTAL	3725



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

RADIATION SCHEDULE						
SYMBOL	ELEMENT	BTU PER FOOT LENGTH	FINISHED LENGTH	MBH	ENCLOSURE TYPE	REMARKS
(H)	1/4" COPPER PIPE 1/2" x 1/4" ALUM. FIN. 30 FINS PER FOOT	1620	5'-0"	8.1	3	AS SHOWN VERTICAL MAIN LINE STYLE 3 (#1 RIGID)

PACKAGE ROOF TOP UNIT SCHEDULE										
SYMBOL	MAKE & MODEL NO.	CFM	EXT. S.P.	REF. NO.	CTH MBH	COMP. H.P.	RPM	FAN HP	CFM	REMARKS
RAC-1	CARRIER SODADIS	3600	1/2"	22	184.0	3	1075	2(1/4)	14,000	PROVIDE LOW AMBIENT TO 32°F CAPACITY CONTROL FILTERS
RAC-2	"	5100	1/2"	22	184.0	3	1075	2(1/4)	14,000	"

REHEAT COIL SCHEDULE											
SYMBOL	AREA SERVED	CFM	FACE VEL. FPM	MBH	GPM	P.D.	COIL SIZE	ENT. AIR TEMP. °F	RET. AIR TEMP. °F	MAKE & MODEL NO.	REMARKS
RHC-1	LOBBY 351	780	650	40.8	2.04	2.1'	1'9" x 11 1/2"	55°	103.4	AEROFIN TYPE MP	
RHC-2	RM 310, 333, 335	480	700	24.2	1.21	1.9'	1'6" x 8 3/4"		101.7		
RHC-3	FAMILY RMs, CONF 339	950	700	47.9	2.4	2.3'	2'0" x 11 1/2"		101.7		

BASED ON 200°F 1/2" TEMP. 40°F TEMP. DROP

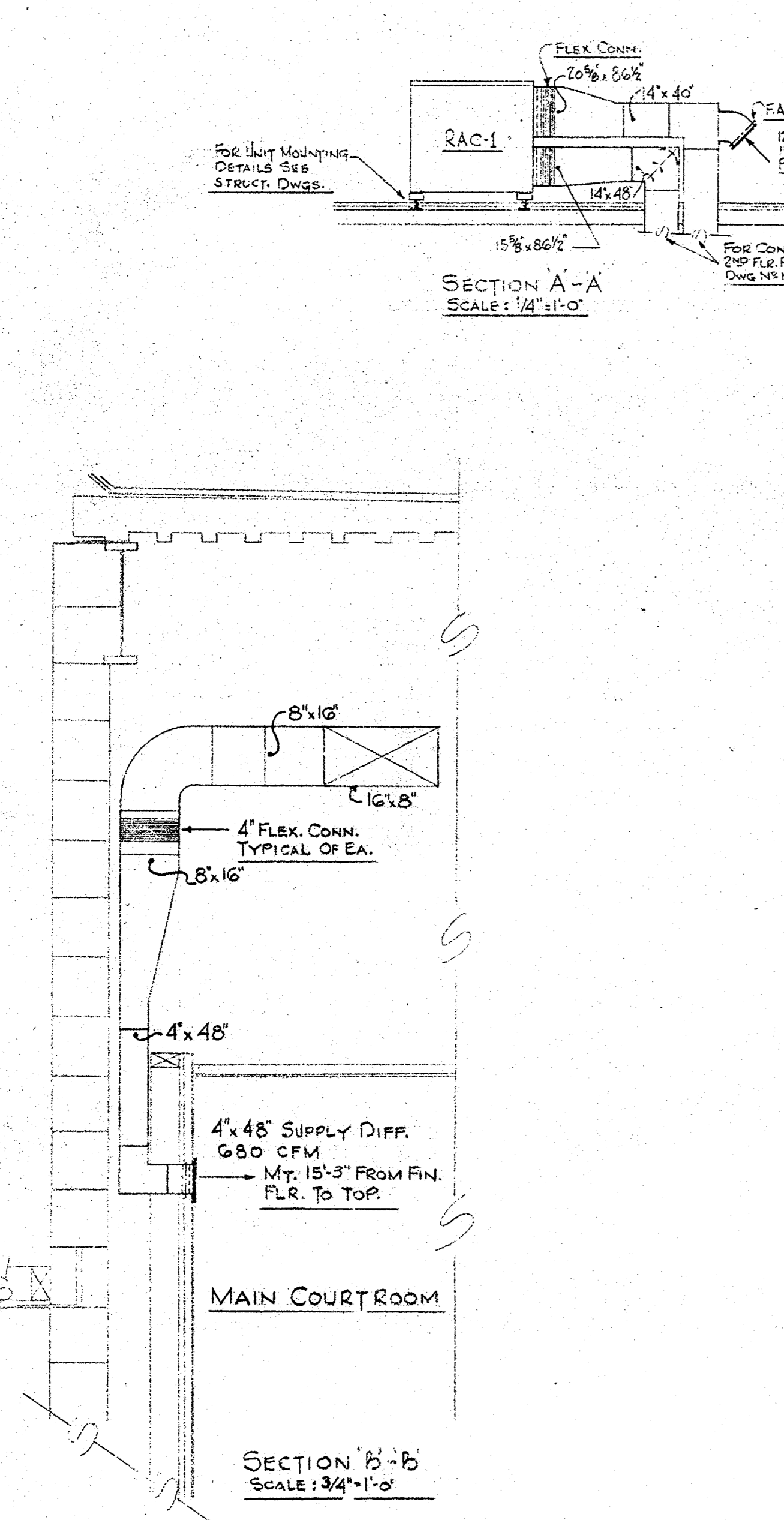
INDUCTION UNIT SCHEDULE											
SYMBOL	FEED AIR CFM	TOT. AIR DEL. CFM	NOX. PRES. MBH	GPM	P.D.	MAKE & MODEL NO.	REMARKS				
(A)	100	190	.11	6.0	6	CARRIER 368A02					
B	150	295	.24	8.6	8.6						
C	200	400	.43	11.3	11.3						
D	250	455	.79	13.1	13.1	368A04					
E	300	555	.27	15.8	15.8						
F	350	655	.37	18.5	18.5						

REGISTER & DIFFUSER SCHEDULE						
SYMBOL	AREA SERVED	CFM	MAKE, MODEL & SIZE	QUANT.	FINISH	REMARKS
(1)	WOMEN'S RM. 353, 359, 302, 303	250	TURTLE & BALLEE 778 10" x 10"	4	WHITE BASED ENAMEL WATER FINISH	W/DAMPER
2	TOIL. 301, 308, 309, 311, 306, 329, 312, 313	50	"	8	"	"
3	TOILET 323	100	"	1	"	"
4	MAIN COURTROOM	680	ARITARE 008HO 48" x 4"	6	"	"
5	"	1100	008HO 78" x 6"	3	"	"
6	JURY COURTROOM	888 SUP 508 R.A.	RCSR 24" x 4"	3	"	"

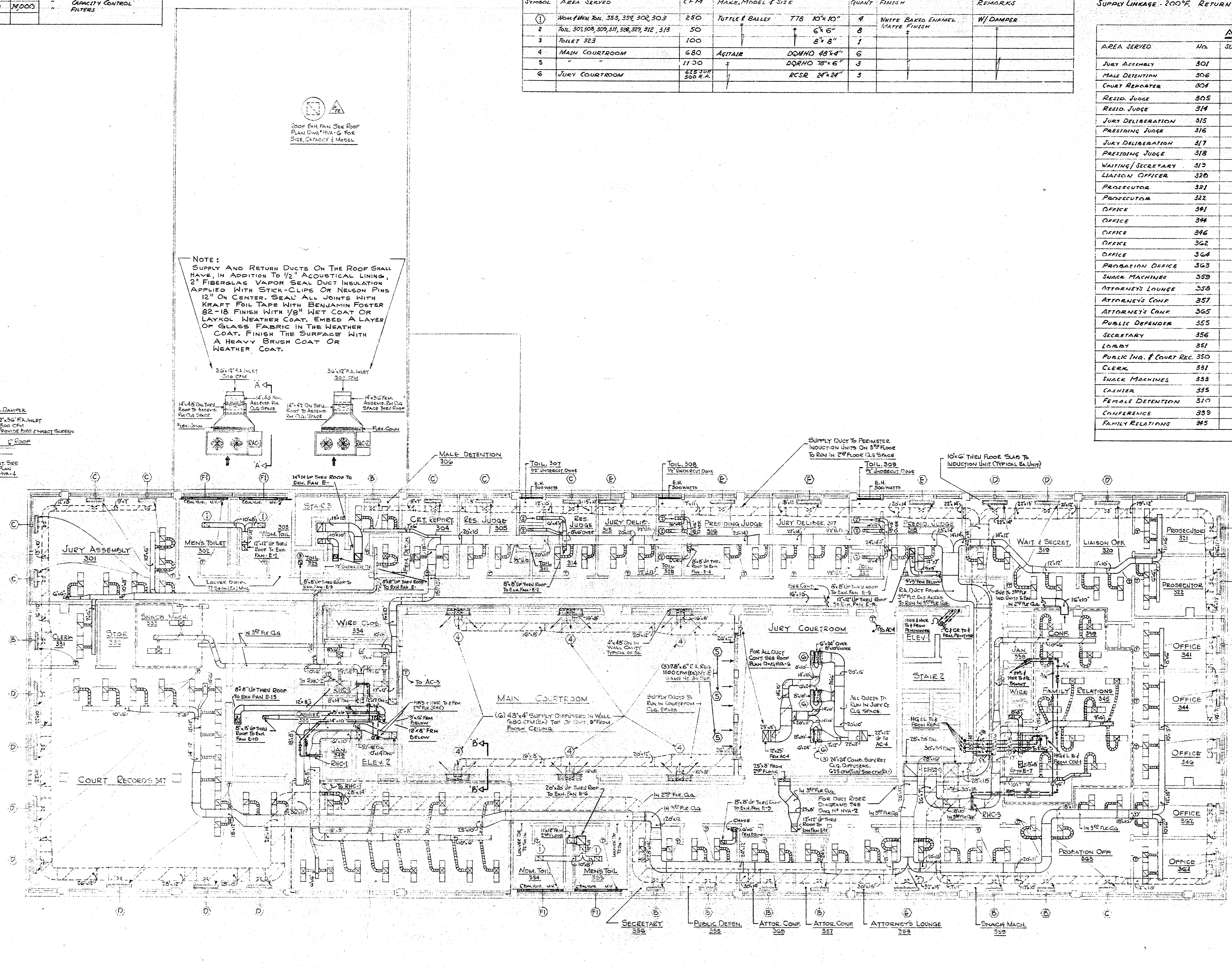
GENERAL NOTES:

- SEE AIR BALANCE SCHEDULE FOR NUMBER & CAPACITY OF SUPPLY & RETURN TROFFERS (EA. AREA).
- DUCT STEELS ARE OUTSIDE DIMENSIONS (INCLUDING SOUND LINING).
- PROVIDE 5" FLEXIBLE CONNECTIONS TO ALL SUPPLY TROFFERS NOT LESS THAN 10'-0" LONG (NON-INSULATED).
- PROVIDE 1/2" INTERNAL SOUND LINING ON ALL SUPPLY DUCTS.
- PROVIDE 5" FLEXIBLE CONNECTIONS TO ALL RETURN TROFFERS NOT LESS THAN 6'-0" LONG (NON-INSULATED).
- VENT ALL HIGH POINTS OF SYSTEM.
- AIR DIFFUSING TROFFERS SHALL BE SUPPLIED BY THE ELECTRICAL CONTRACTOR COMPLETE WITH AIR SUPPLY & RETURN EQUIPMENT. ALL AIR CONNECTIONS SHALL BE MADE BY THE Htg. & A.C. CONTRACTOR & CO-ORDINATED WITH THE ELECTRICAL CONTRACTOR.
- SCHEDULES SHOWN ON THIS DWG. APPLY ONLY TO THIS DWG.
- PROVIDE FIRE DAMPERS (FUSIBLE LINK TYPE) WHERE SHOWN & WHERE REQUIRED BY LOCAL CODES.
- SUPPLY LINKAGE - 200°F. RETURN LINKAGE - 165°F.

AIR BALANCE SCHEDULE					
AREA SERVED	No.	SUPPLY TROFFERS & CFM EA.	Total	RETURN TROFFERS & CFM EA.	Total
JURY ASSEMBLY	301			6 @ 100 CFM EA.	600
MALE DETENTION	306			2 @ 60 "	120
COURT REPORTER	304			2 @ 80 "	160
RESID. JUDGE	305			2 @ 80 "	160
RESID. JUDGE	314			2 @ 80 "	160
JURY DELIBERATION	315			2 @ 100 "	200
PRESIDING JUDGE	316			2 @ 100 "	200
JURY DELIBERATION	317			3 @ 95 "	285
PRESIDING JUDGE	318			2 @ 100 "	200
WAITING/SECRETARY	313			4 @ 100 "	400
LIAISON OFFICER	320			2 @ 100 "	200
PROSECUTOR	321			2 @ 100 "	200
PROSECUTOR	322			2 @ 100 "	200
OFFICE	341			2 @ 80 "	160
OFFICE	344			2 @ 80 "	160
OFFICE	346			2 @ 100 "	200
OFFICE	352			2 @ 80 "	160
OFFICE	354			2 @ 100 "	200
PROBATION OFFICE	355			4 @ 70 "	280
SHACK MACHINES	359			2 @ 60 "	120
ATTORNEY'S LOUNGE	358			4 @ 60 "	240
ATTORNEY'S CONF.	357			2 @ 60 "	120
ATTORNEY'S CONF.	365			2 @ 60 "	120
PUBLIC DEFENDER	355			2 @ 60 "	120
SECRETARY	356			2 @ 60 "	120
LOBBY	351	12 @ 65 CFM EA.	780	12 @ 55 "	660
PUBLIC INR. & COURT REC.	350			14 @ 100 "	1400
CLERK	331			2 @ 60 "	120
SHACK MACHINES	338	2 @ 90 CFM EA.	180	2 @ 75 "	150
CASHIER	335	4 @ 50 "	200	2 @ 80 "	160
FEMALE DETENTION	310	1 @ 100 "	100	-	-
CONFERENCE	339	4 @ 50 "	200	2 @ 80 CFM EA.	160
FAMILY RELATIONS	345	10 @ 75 "	750	10 @ 60 "	600
			Total ~ 2210	Total ~ 8015	



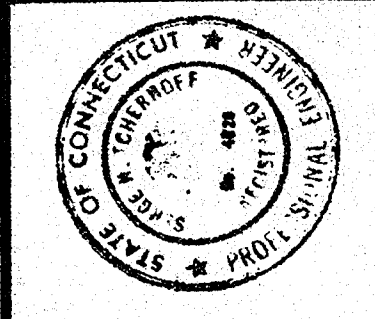
NOTE:
 SUPPLY AND RETURN DUCTS ON THE ROOF SHALL HAVE IN ADDITION TO 1/2" ACQUENTIAL LINING, 2" FIBERGLASS VAPOR SEAL DUCT INSULATION APPLIED WITH STICK-CLIPS OR NELSON PINS 12" ON CENTER. SEAL ALL JOINTS WITH HEAVY FOIL TAPE WITH BENJAMIN FOSTER 82-18 FINISH WITH 1/8" WET COAT OR LAYKOL WEATHER COAT. EMBED A LAYER OF GLASS FABRIC IN THE HEATHER COAT. FINISH THE SURFACE WITH A HEAVY BRUSH COAT OR HEATHER COAT.



MUNICIPAL POLICE HEADQUARTERS AND CIRCUIT COURT BUILDING
 NEW BRITAIN CONNECTICUT

DATE: OCT 4, 1966
 SHEET NO.: HVA-5

ARCHITECTS: HIRSCH - HAMMERBERG - KAESTLE
 NEW BRITAIN CONNECTICUT



AIR CONDITIONING UNIT SCHEDULE

UNIT No.	CFM	TOTAL SP. IN H ₂ O	APPROX. H.P.	APPROX. W.P.	COOLING COIL				HEATING COIL				UNIT, MFR. & R.	MIXING BOX	FILTER TYPE	ROILING COIL	MAKE & MODEL No.	REMARKS									
					Q.P.M.	IN FACE	DB	WB	DB	WB	Q.P.M.	NO. ROWS							P.O.	AIR TEMP. IN	AIR TEMP. OUT						
AC-3	1100	2"	136.3	3	183.8	42"	56.8	400	88.8	63	54.7	51.8	M.I.1	7.1	2	6"	38"	70"	HORIZ.	COMB. 1	F.A.	4"	3"	CARRIER	382A370	Provide Bypass Sec. for 300 CFM	
AC-4	1305	1.5"	96.6	1	78.4	42"	15.7	400	83.5	69	55.6	52.0	M.I.1	3.5	2	2"	38"	72"	"	"	"	4"	3"	CARRIER	386A150	" " " 750"	
EA-3	3300	"	375	1	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	No.	"	"	"	"	CARRIER	278A070	FAN SECTION ONLY

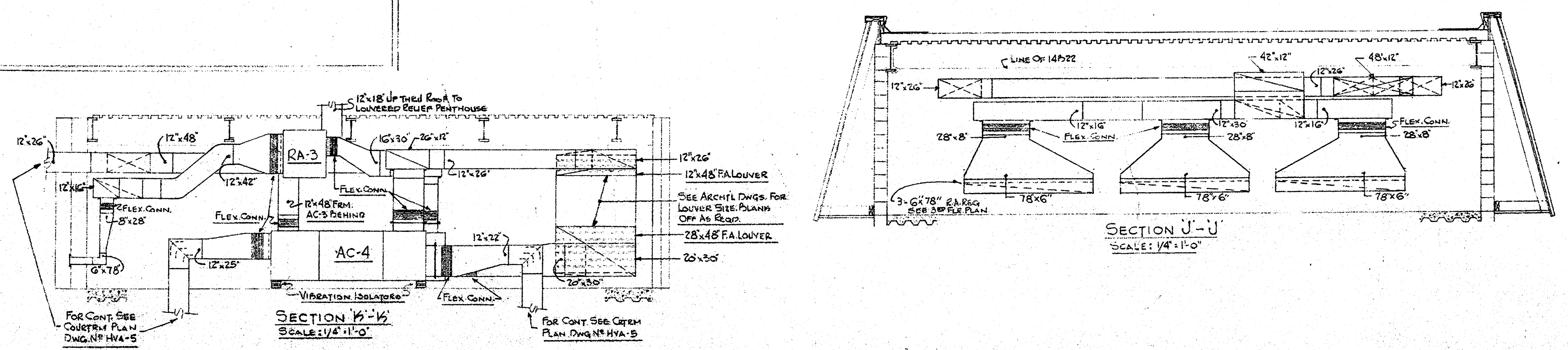
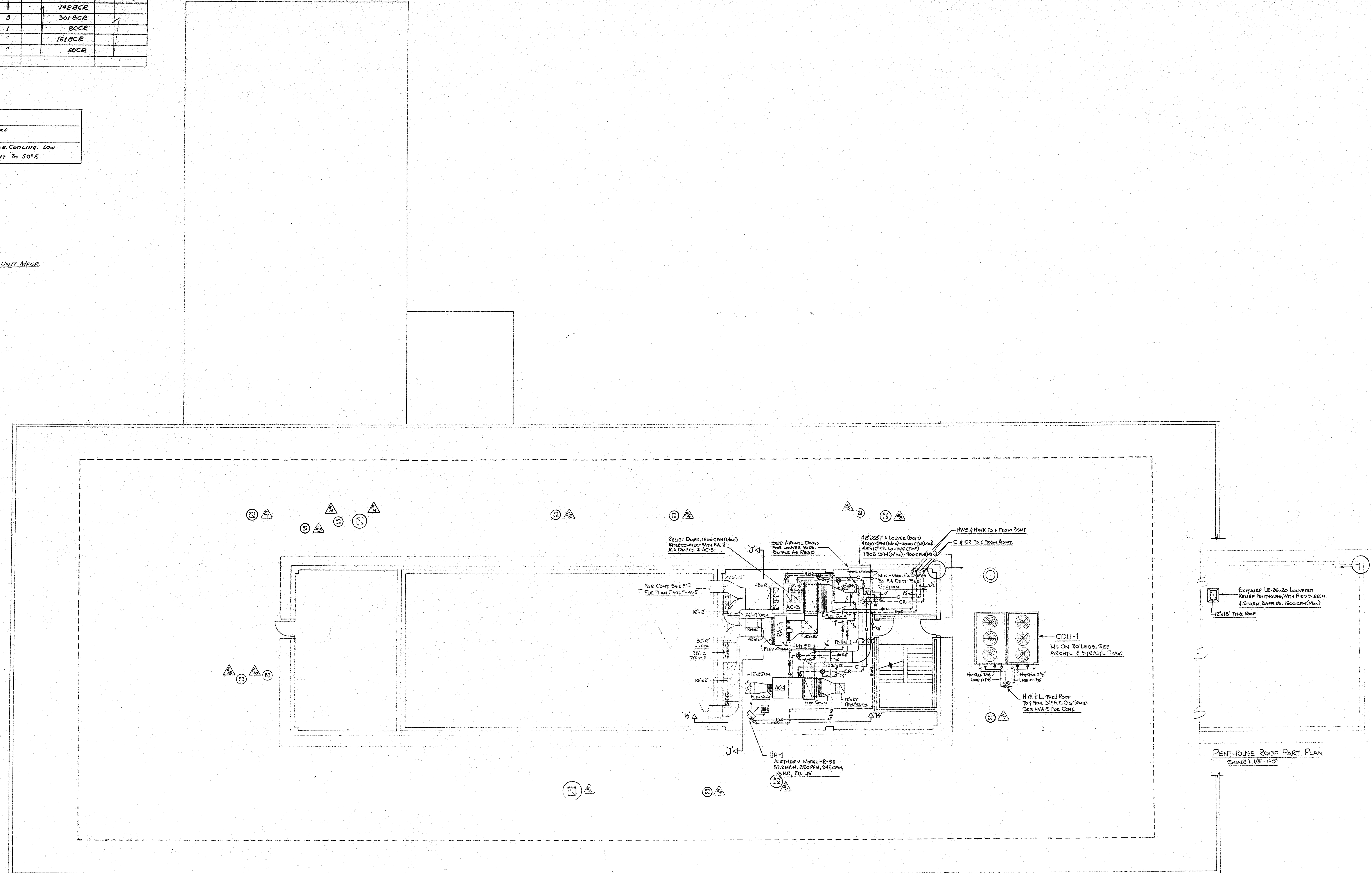
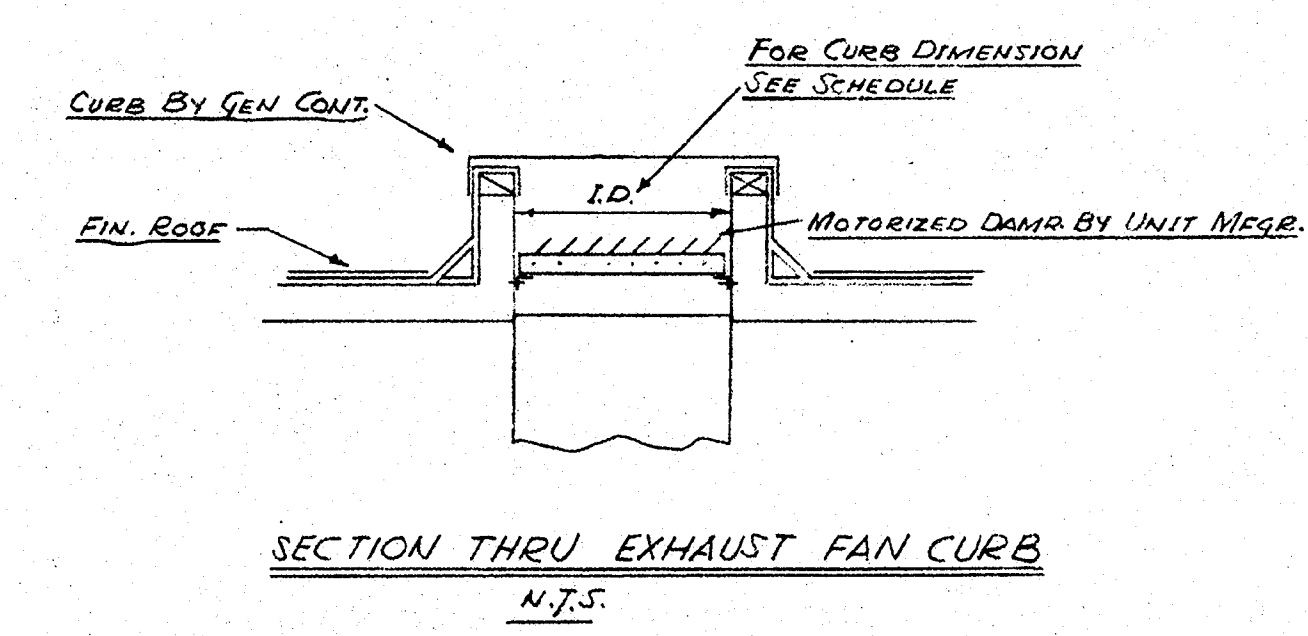
- GENERAL NOTES:**
1. DUCT SIZES SHOWN ARE OUTSIDE DIMENSIONS (INCLUDING SOUND LINING).
 2. PROVIDE 1/2" INTERNAL SOUND LINING ON ALL SUPPLY DUCTS.
 3. VENT ALL HIGH POINTS OF SYSTEM.
 4. SCHEDULES SHOWN ON THIS DRAWING APPLY ONLY TO THIS DRAWING.
 5. DISCHARGE FROM DAMPERS (UPPER LINE) TIME WHERE SHOWN & WHERE REQUIRED BY LOCAL CODE. SUPPLY LINK 900°F. RETURN LINKAGE 165°F.

EXHAUST FAN SCHEDULE

FAN No.	AREA SERVED	CFM	SP. IN H ₂ O	HP	DRIVE	MAX. TS. CFM	CURB OR WALL DIMS.	WINDR. H.P.	ELECTRICAL VOLTS	PHASE	MAKE & MODEL No.	REMARKS
E1	Toil. 302, 303	500	1/4"	570	BELT	2100	8" x 8" 20" x 20"	1/4	120	1	JENN. AIR 141 BCR	Provide Bird Screen & Disconnect Switch
E2	Toil. 307, 311	100	1/4"	1050	Direct	"	8" x 8" 20" x 20"	1/4	"	"	72CR	"
E3	323	100	1/4"	1050	"	"	8" x 8" 20" x 20"	"	"	"	72CR	"
E4	308, 312, 328	150	1/4"	1050	"	"	8" x 8" 20" x 20"	"	"	"	81CR	"
E5	309, 313, 329	150	1/4"	1050	"	"	8" x 8" 20" x 20"	"	"	"	81CR	"
E6	245, 249, 353, 359	1000	1/4"	400	BELT	1600	10" x 10" 30" x 30"	1/2	"	"	242 BCR	"
E7	163, 167	750	1/4"	1550	Direct	"	8" x 8" 20" x 20"	1/4	"	"	70CR	"
E8	124, 126	250	1/4"	860	"	"	12" x 12" 24" x 24"	1/2	"	"	38CR	"
E9	242	100	1/4"	1050	"	"	8" x 8" 20" x 20"	1/4	"	"	72CR	"
E10	166, 167	150	1/4"	1050	"	"	8" x 8" 20" x 20"	1/4	"	"	81CR	"
E11	228	800	1/4"	830	BELT	3200	12" x 12" 20" x 20"	1/4	"	"	142 BCR	"
E12	ASSEMBLY ROOM	208	3/8"	320	"	2600	26" x 26" 36" x 36"	1/2	208	3	301 BCR	"
E13	Toil. 005, 006	300	3/8"	1550	Direct	"	8" x 8" 20" x 20"	1/4	120	1	80CR	"
E14	Pistol Range 007	1000	3/8"	610	BELT	3000	14" x 14" 24" x 24"	1/4	"	"	181 BCR	"
E15	DARK ROOM 141	330	3/8"	1350	Direct	"	8" x 8" 20" x 20"	1/4	"	"	80CR	"

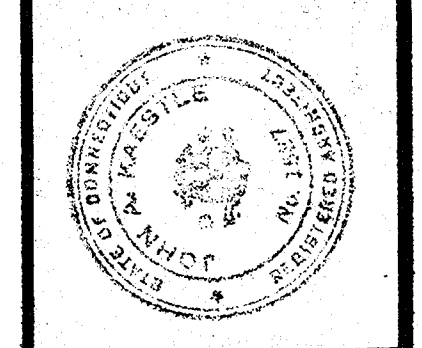
CONDENSING & CONDENSER UNIT SCHEDULE

UNIT No.	TONS HEAT REM.	MAX. CONDENSER TEMPERATURE	AIR	CFM	CIRCUITS	HP	ELEC. VOLTS	PHASE	MAKE & MODEL No.	REMARKS
COU-1	142.0	125°F	95°F	66000	2	1681	208	3	CARRIER 032C084	15°F SUB-COOLING. LOW AMBIENT TO 50°F.

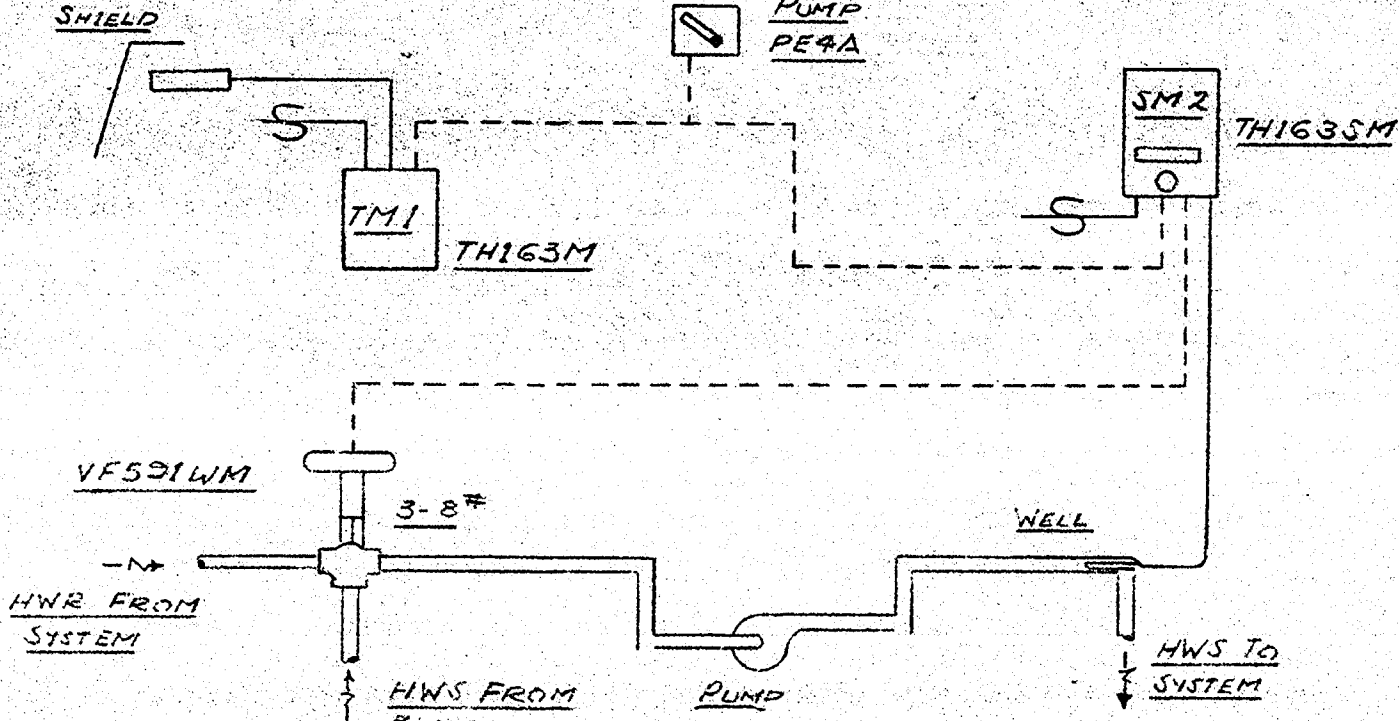


MUNICIPAL POLICE HEADQUARTERS
 AND CIRCUIT COURT BUILDING
 NEW BRITAIN CONNECTICUT

DATE OCT. 1, 1966
 SHEET NO. HVA-6

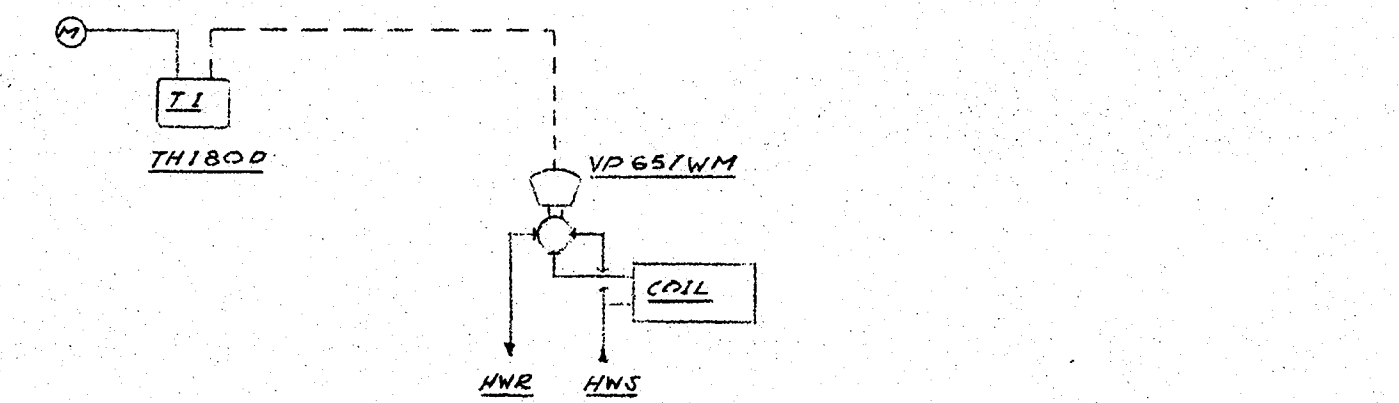


ARCHITECTS
 HIRSCH - HAMMERBERG - KAESTLE
 NEW BRITAIN, CONNECTICUT
 ONE BRIDGE STREET - NEW BRITAIN, CONN. - TEL. 866-0001



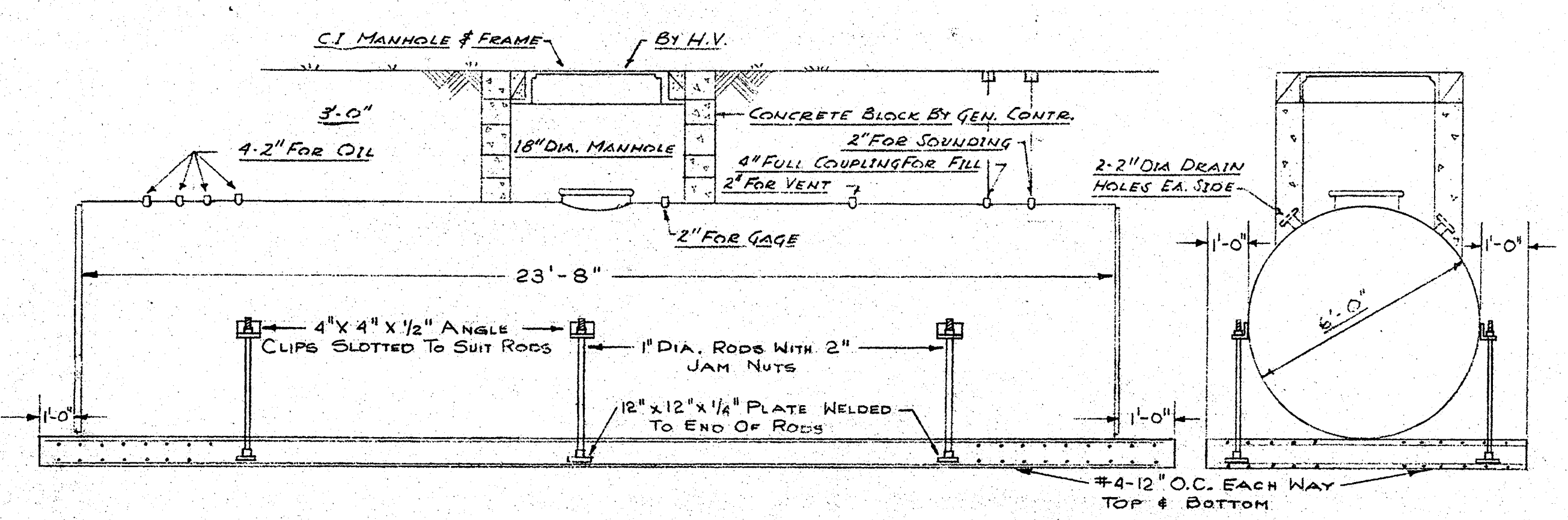
SEQUENCE OF CONTROL: THE OUTSIDE MASTER THERMOSTAT SHALL RESET THE SET POINT OF THE HOT WATER SUBMASTER THERMOSTAT. THE SUBMASTER THERMOSTAT SHALL MODULATE THE THREE-WAY MIXING VALVE TO MAINTAIN A SCHEDULE OF HOT WATER TEMPERATURE VERSUS OUTSIDE TEMPERATURE.

PRIMARY HOT WATER CONTROL

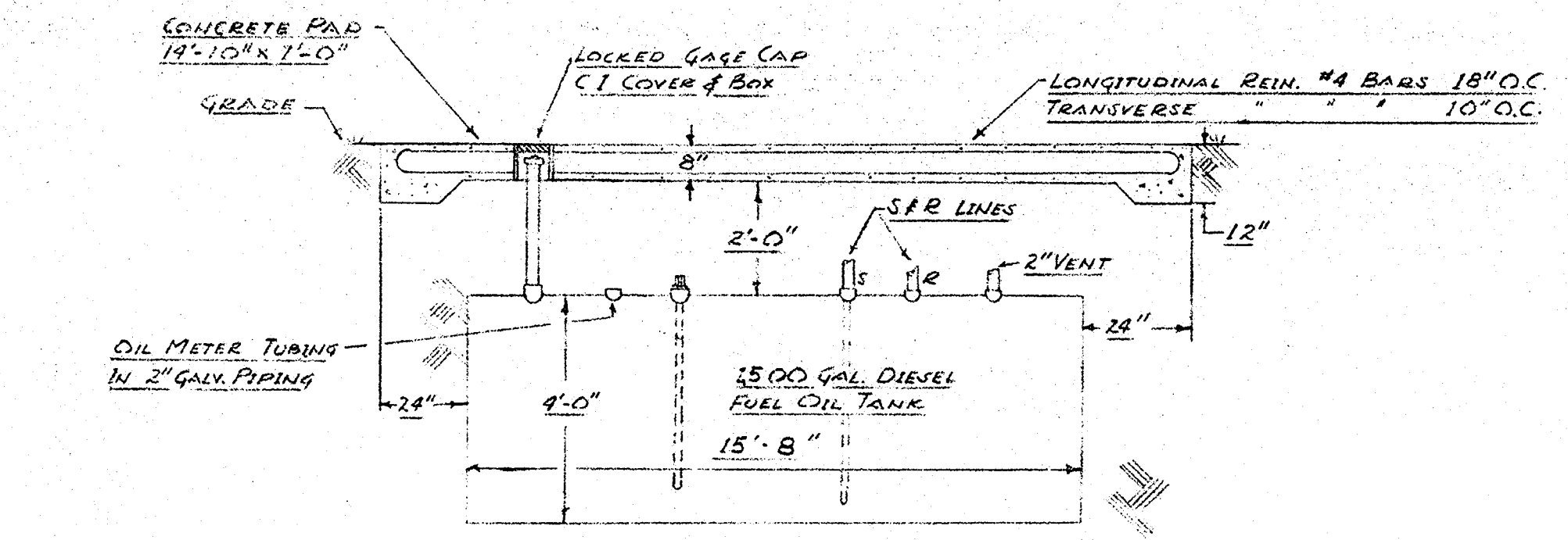


REHEAT COILS

INDUCTION UNITS

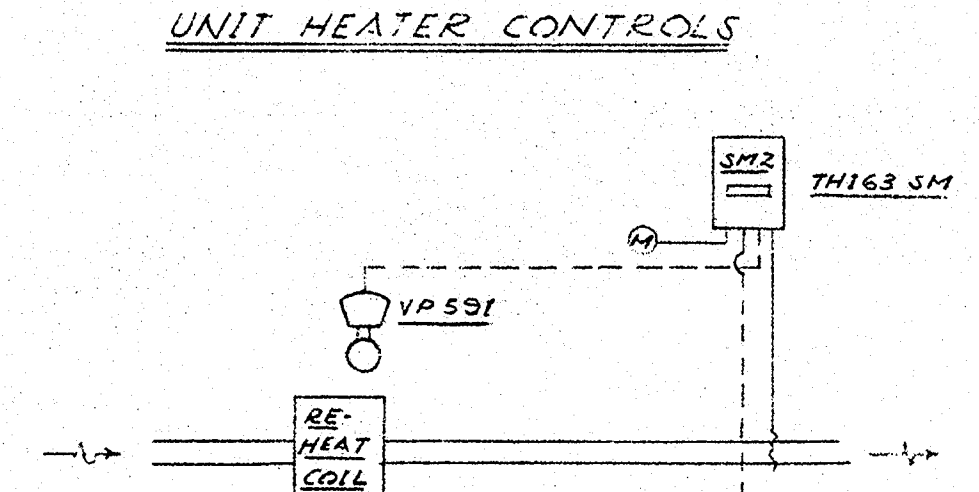


TYPICAL DETAIL OF FUEL OIL STORAGE TANK, 5000 GAL. NO SCALE

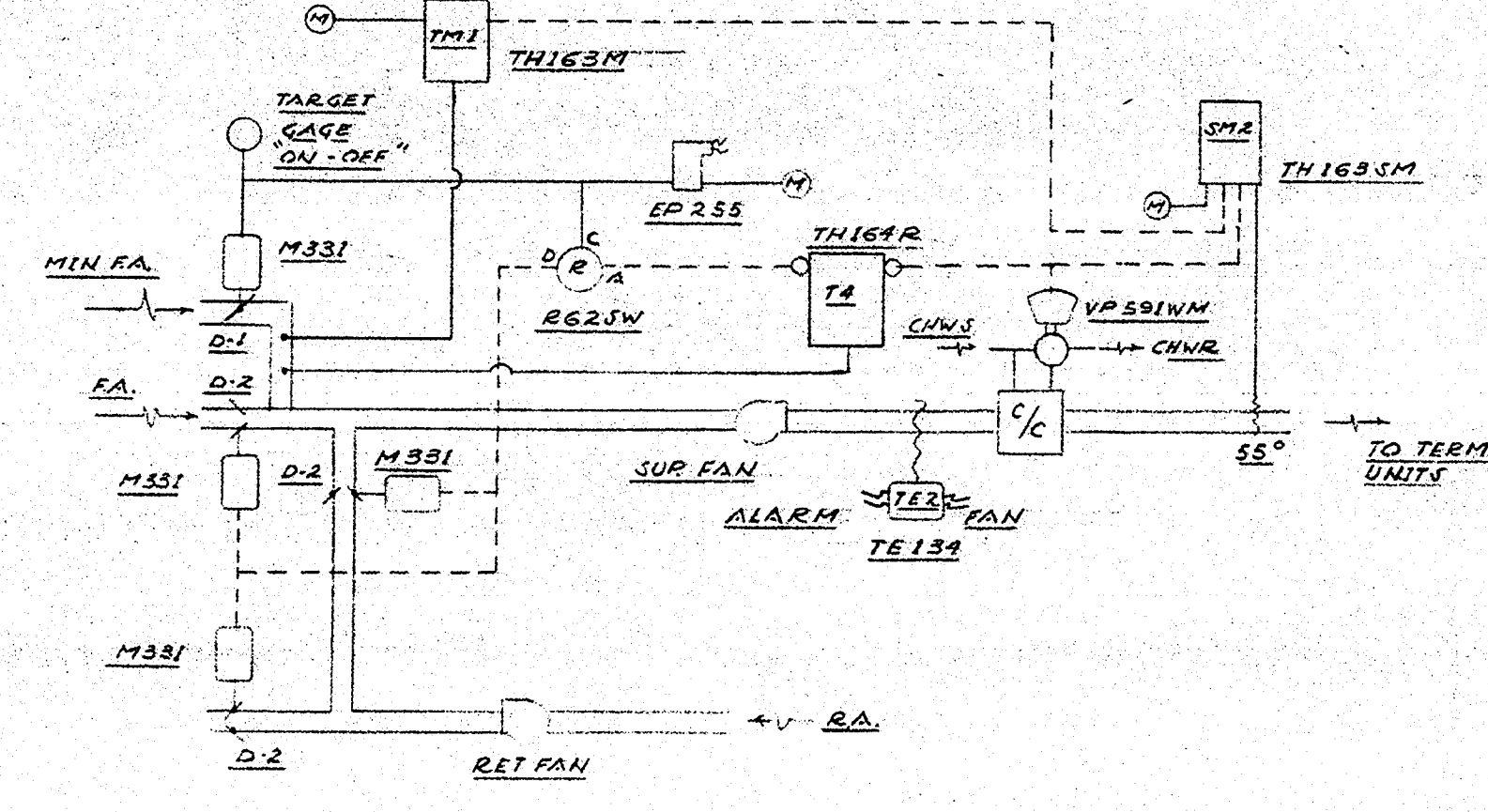


DETAIL OF FUEL OIL (DIESEL) TANK NO SCALE

UNIT HEATER CONTROLS

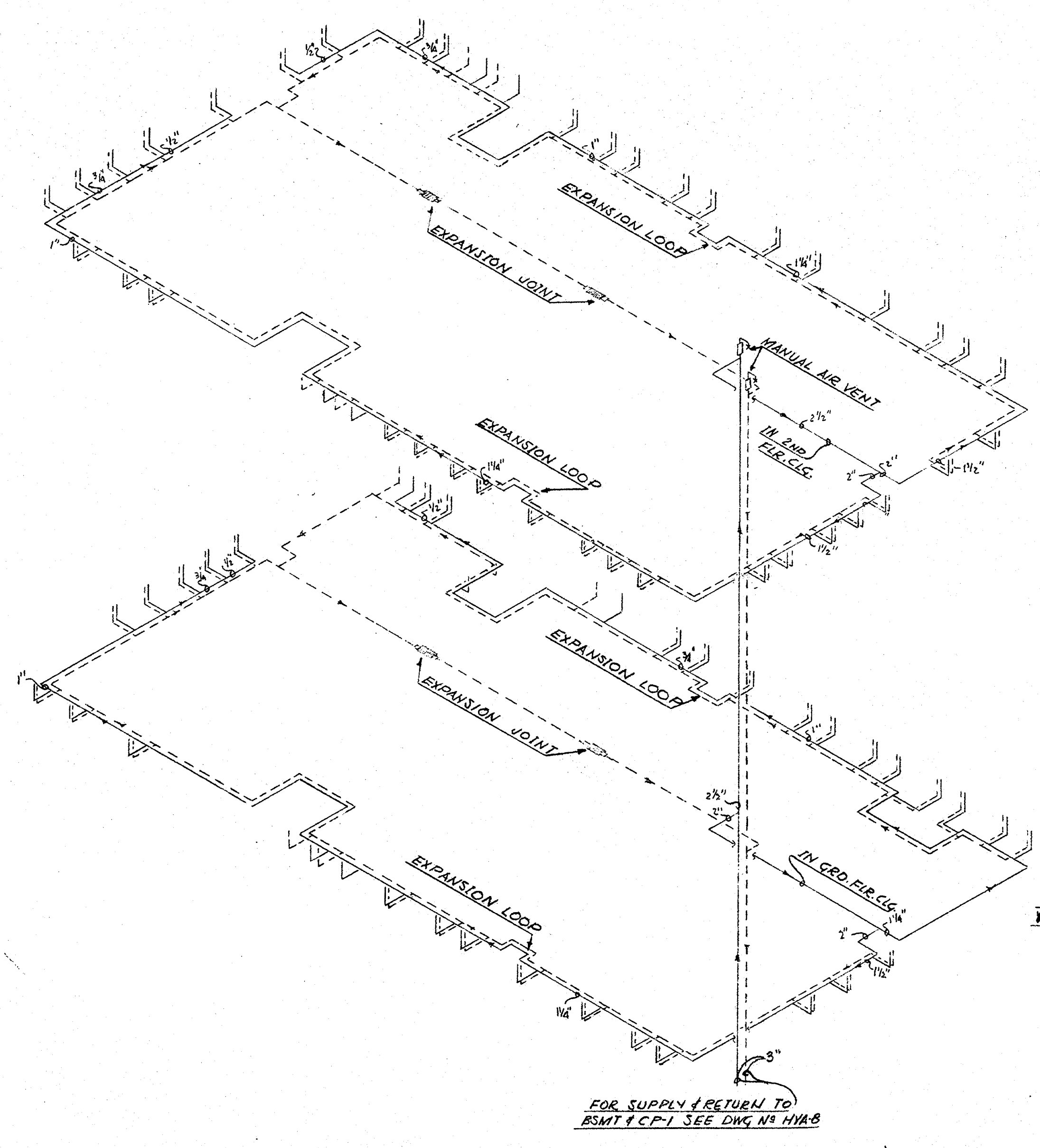


REHEAT COILS



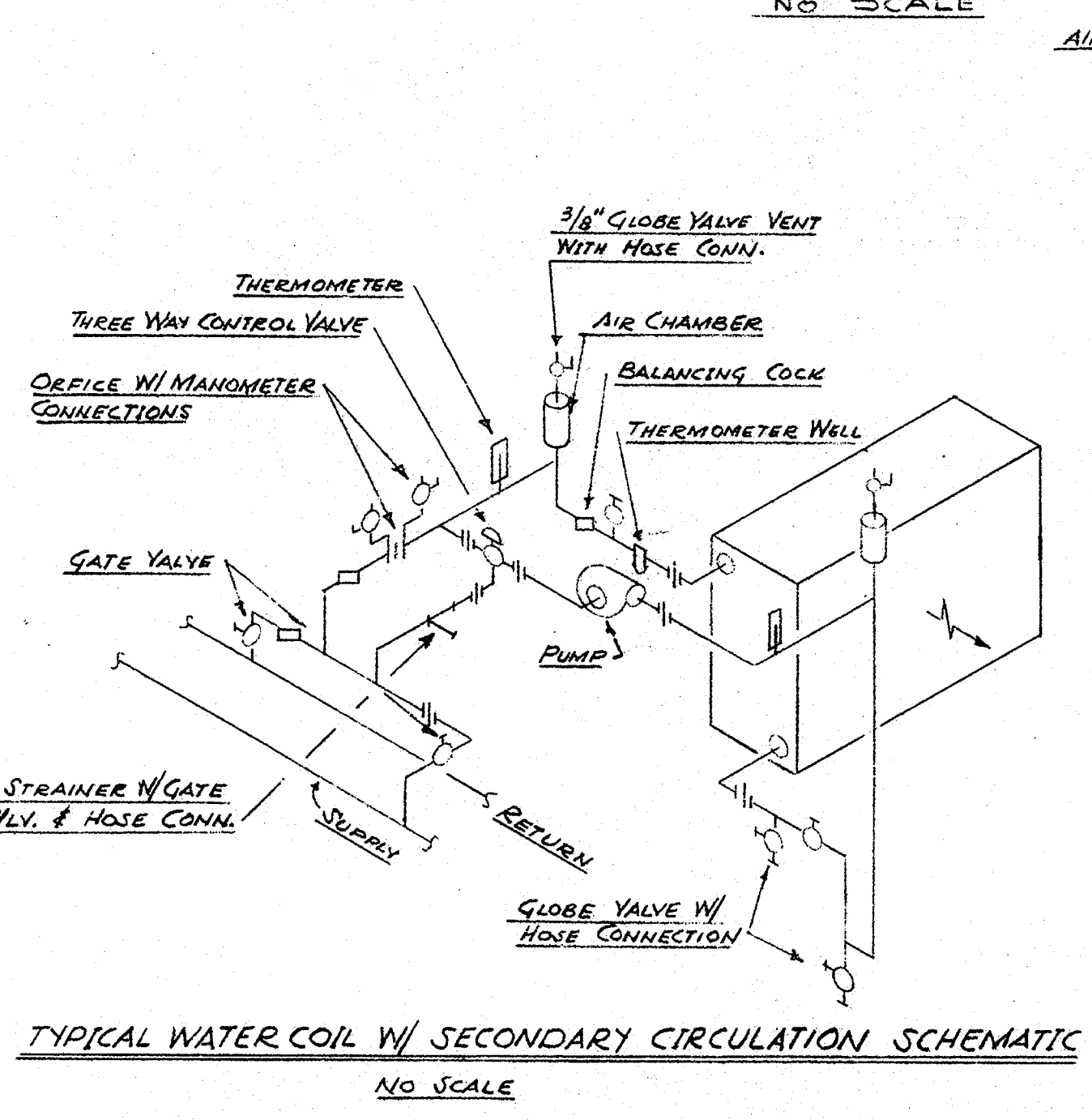
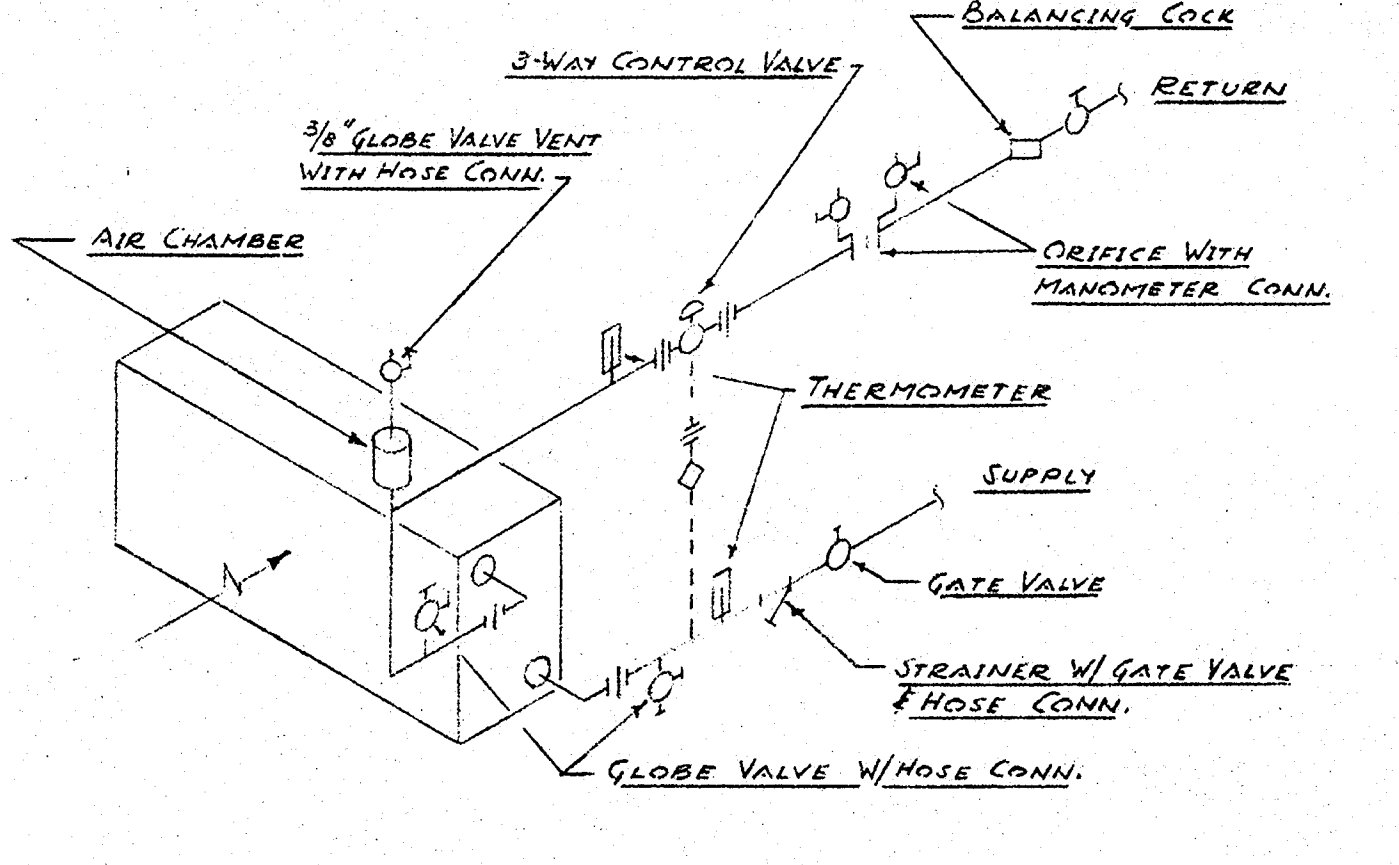
EXTERIOR & CORE FAN SYSTEMS

NOTE: COURT ROOM A/C SYSTEMS SIMILAR. REPLACE OUTSIDE MASTER TMI WITH ROOM MASTER T1. ADD HEATING COIL WITH VALVE AFTER COOLING COIL.

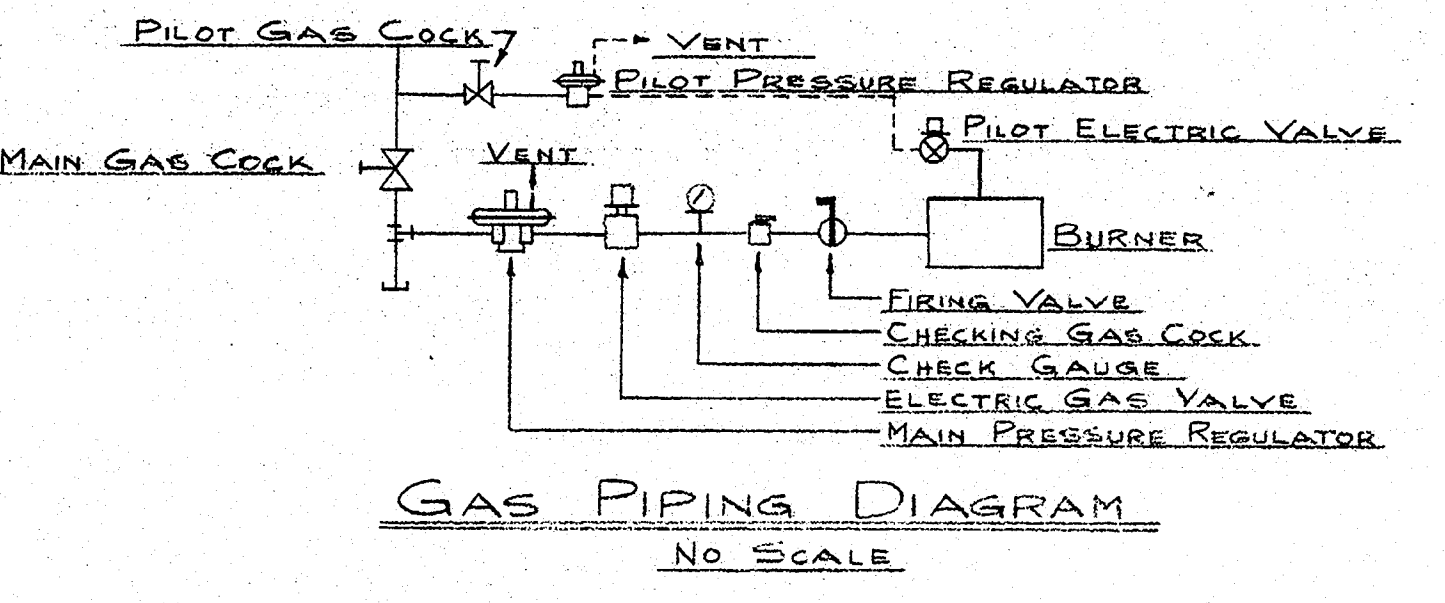


HWS & HWR FLOW DIAGRAM (INDUCTION UNITS) (CP-1) N.T.S.

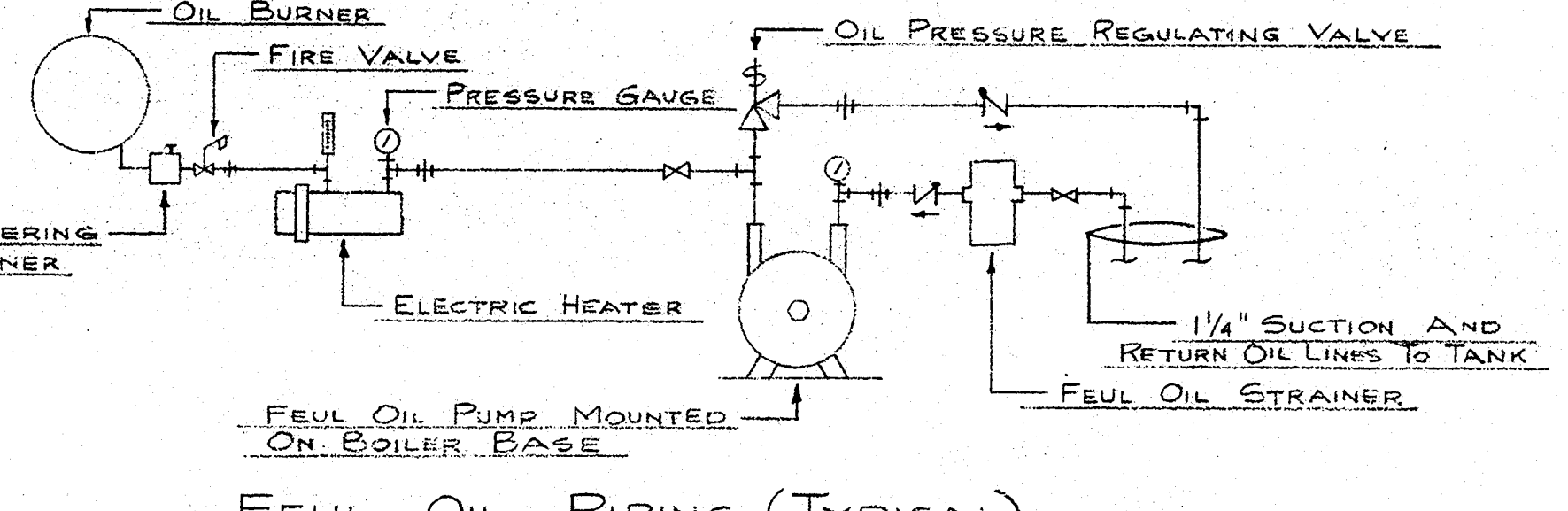
TYPICAL HEATING COIL PIPING SCHEMATIC NO SCALE



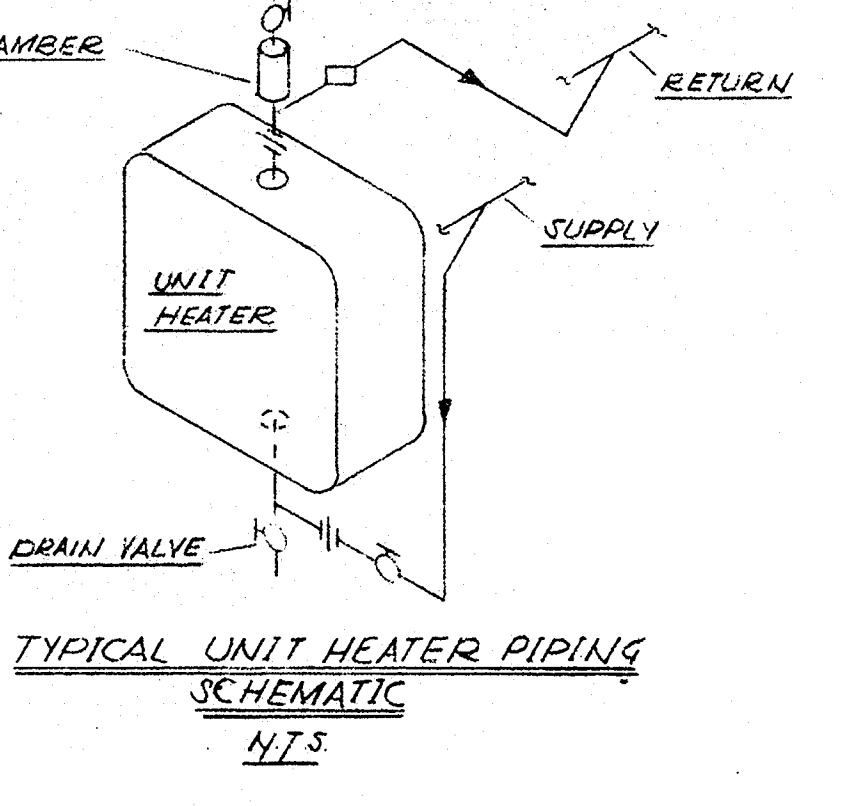
TYPICAL WATER COIL W/ SECONDARY CIRCULATION SCHEMATIC NO SCALE



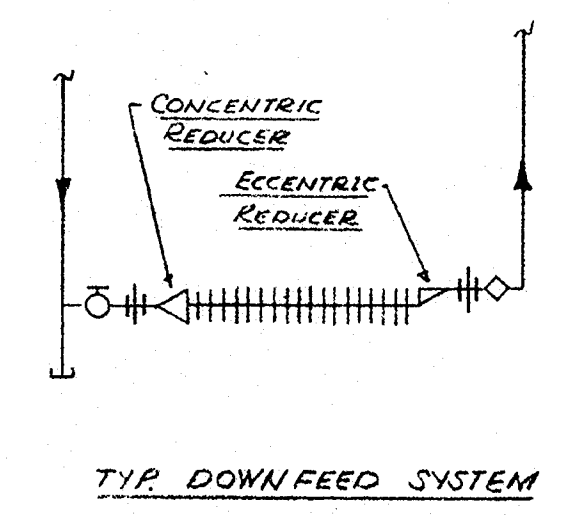
GAS PIPING DIAGRAM NO SCALE



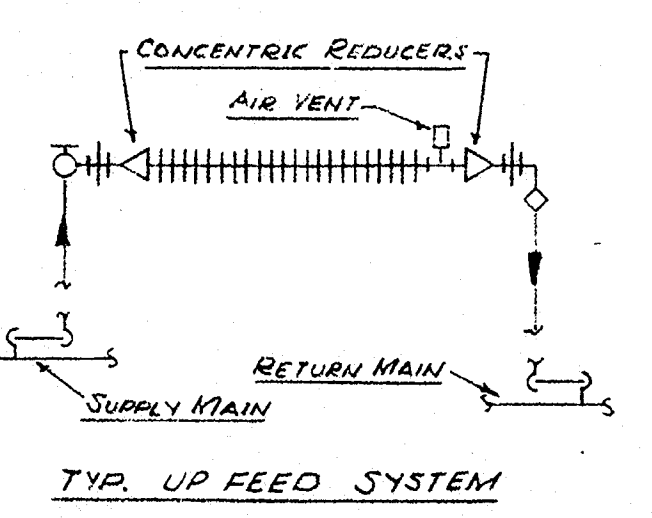
FUEL OIL PIPING (TYPICAL) NO SCALE



TYPICAL UNIT HEATER PIPING SCHEMATIC N.T.S.



TYP. DOWNFEED SYSTEM



TYP. UP FEED SYSTEM

NOTE: FOR ALL SIZES NOT SHOWN SEE FLOW DIAGRAMS.

SEQUENCE OF OPERATION:

CONDENSATED HOT WATER: OUTSIDE MASTER THERMOSTAT (TM1) RESETS HOT WATER SUBMASTER THERMOSTAT TO MAINTAIN A SCHEDULE OF HOT WATER TEMPERATURE VERSUS OUTSIDE TEMPERATURE. THE SUBMASTER THERMOSTAT MODULATES THE 3-WAY VALVE TO MAINTAIN ITS SET POINT TEMPERATURE. THE OUTSIDE MASTER THERMOSTAT, THROUGH P.C. SWITCHES, STARTS THE OPERATIONAL PUMP AT OUTSIDE TEMPERATURE BELOW 55 AND STOPS THE PUMP ABOVE 55.

CABINET HEATERS: ROOM THERMOSTAT (T1) CYCLES THE UNIT FAN THROUGH A P.C. SWITCH TO MAINTAIN SPACE TEMPERATURE. A STRAP-ON AIR-START THERM PREVENTS FAN OPERATION IF HOT WATER IS NOT AVAILABLE.

CENTRAL FAN SYSTEMS - EXTERIOR & CORE: THESE SYSTEMS ARE CONTROLLED BY A TIME CLOCK AND DAY-AUTONIGHT SWITCH.

DAY CYCLE: THE SUPPLY FAN AND INTERLOCKED RETURN FAN RUN CONTINUOUSLY. THE MINIMUM FRESH AIR DAMPER OPENS. OUTSIDE MASTER THERMOSTAT RESETS THE SUBMASTER DISCHARGE THERMOSTAT SET FROM 65° AT 50° OR LESS OUTSIDE TO 90° AT 75° OUTSIDE. THE SUBMASTER THERMOSTAT MODULATES, IN SEQUENCE, THE COOLING COIL VALVE AND THE MAXIMUM FRESH AIR, RETURN AIR AND RELIEF DAMPERS TO MAINTAIN THE LEAVING AIR TEMPERATURE. ECONOMIZER THERMOSTAT (T3) CLOSURES THE MAXIMUM FRESH AIR AND MAXIMUM RELIEF DAMPERS AND OPENS THE RETURN AIR DAMPER WHEN OUTSIDE TEMPERATURE EXCEEDS 55. FREEZE DETECTION THERMOSTAT (T2) STOPS THE FANS, CLOSURES THE OUTSIDE DAMPERS, AND ENERGIZES AN ALARM CIRCUIT WHEN AIR ENTERING THE COOLING COIL FALLS BELOW 35°.

NIGHT CYCLE: THE SUPPLY FAN AND INTERLOCKED RETURN AIR FAN ARE CYCLED BY NIGHT THERMOSTAT (T3) TO MAINTAIN SPACE TEMPERATURE. ALL OUTSIDE AIR DAMPERS REMAIN CLOSED, RETURN AIR DAMPER OPEN.

AUTO CYCLE: WITH THE DAY-AUTONIGHT SWITCH IN THE AUTO CYCLE, THE TIME CLOCK AUTOMATICALLY SELECTS THE DAY AND NIGHT CYCLES.

REHEAT COILS - CORE: THE ROOM THERMOSTAT (T1) RESETS THE DUCT SUBMASTER THERMOSTAT (SM2) WHICH IN TURN MODULATES THE REHEAT COIL VALVE.

INDUCTION UNITS - EXTERIOR: THE ROOM THERMOSTAT (T1) MODULATES THE UNIT COIL VALVE (V8) TO MAINTAIN ROOM TEMPERATURE.

COURT ROOM A/C UNITS: CONTROL OF THESE UNITS IS SIMILAR TO CENTRAL FAN SYSTEM CONTROL. OUTSIDE MASTER THERMOSTAT (TM1) IS REPLACED BY ROOM MASTER THERMOSTAT (T1) AND A HEATING COIL IS ADDED WITH ITS VALVE MODULATED IN SEQUENCE WITH THE COOLING COIL VALVE. NOTE: RETURN FAN AND CORRESPONDING CONTROLS NOT REQUIRED FOR UNIT A/C.

AIR COOLED CONDENSERS: DURING THE OCCUPIED CYCLE THE AIR COOLED CONDENSER SHALL BE CYCLED IN STAGES FROM A CONTROLLER IN THE RETURN TO THE CHILLER TO PROVIDE THE DESIRED RETURN WATER TEMPERATURE.

ASSEMBLY ROOM A/C UNITS: A TIME CLOCK WITH OVER-RIDE SWITCH AND A NIGHT THERMOSTAT SHALL AFFORD CONSTANT FAN OPERATION ON THE DAY CYCLE AND FAN CYCLING WITH RETURN AIR ON THE NIGHT CYCLE. DURING THE DAY CYCLE, THE FRESH AIR OPENS TO ADMIT A FIXED AMOUNT OF FRESH AIR. A ROOM THERMOSTAT SHALL MODULATE 3-WAY VALVE AND IN SEQUENCE CYCLE THE REFRIGERATION TO MAINTAIN ROOM TEMPERATURE. INTERLOCK THE EXHAUST FAN TO RUN WHEN EITHER OF THE A.C. UNITS IS RUNNING ON THE OCCUPIED CYCLE.

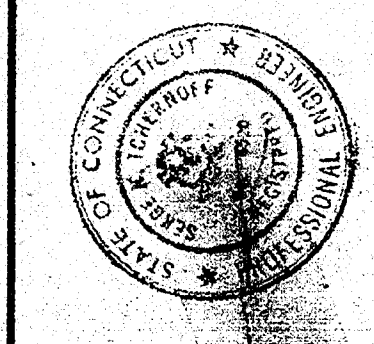
LOCAL PANELS: FOR EACH FAN SYSTEM SUPPLY A STEEL CONTROL PANEL ON WHICH SHALL BE MOUNTED ALL DUCT CONTROLLERS AND ASSOCIATED TEMPERATURE INDICATORS, RELAYS, AND EQUIPMENT LISTED BELOW:

- One (1) TIME CLOCK WITH WEEKEND SKIP
- Four (4) DAY-AUTONIGHT SWITCHES FOR EXTERIOR, CORE AND COURT ROOM
- Four (4) FAN SYSTEMS (LOCAL TIME CLOCK FOR ASSEMBLY ROOM UNITS)
- Four (4) SUPPLY FAN PILOT LIGHTS
- Four (4) RETURN FAN PILOT LIGHTS
- Four (4) FREEZE STAT ALARM SWITCHES
- One (1) ALARM BUZZER
- One (1) ALARM SILENCE SWITCH

ALL NECESSARY RELAYS REQUIRED FOR THE PROPER OPERATION OF THE SYSTEM SHALL BE MOUNTED INSIDE THE PANEL.

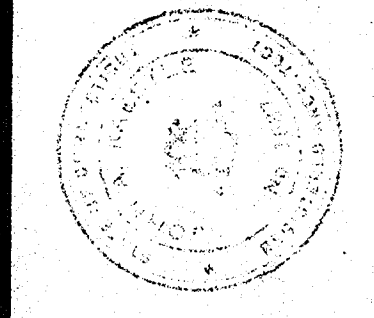
SYMBOL LIST	
SYMBOL	DESCRIPTION
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
C	CHILLED WATER SUPPLY
CR	CHILLED WATER RETURN
HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
X	PIPE ACHIEVE
U	UNION
EJ	EXPANSION JOINT
DR	DRAIN
V	VALVE
CV	CHECK VALVE
PRV	PRESSURE REDUCING VALVE
BC	BALANCING COCK
R	RIFER (KIND AS NOTED)
T	THERMOSTAT
FR	FAN TUB RADIATION
UH	UNIT HEATER
FA	FRESH AIR
RA	RETURN AIR
CFM	CUBIC FEET PER MINUTE
SD	SUPPLY DUCT SECTION
RD	EXHAUST OR RETURN DUCT SECTION
CE	CEILING EXHAUST OR RETURN AIR REGISTER
TR	TRANSFORMATION
AD	AUTOMATIC DAMPER
MD	MANUAL VOLUME DAMPER
AL	ACOUSTICALLY LINED DUCT
SA	SOUND ATTENUATOR
FD	FLEXIBLE DUCT
WI	WINDOW UNIT INDUCTION

VIBRATION ISOLATOR SCHEDULE						
EQUIP. NO.	NAME	LOCATION	H.P.	R.P.M.	STATIC DEFLECTION OR TRANSMISSIBILITY	SPEC. NO.
AC-1	AIR COND. UNIT	BASEMENT	20	785	4%	D-214
AC-2	" " " "	"	7 1/2	900	5%	D-214
RA-1	RET. AIR FAN	"	10	582	4%	210
RA-2	" " " "	"	5	1075	3%	A-215
AHU-1	AIR HANDLING UNIT	"	1 1/2	929	4 1/2%	E-111
AHU-2	" " " "	"	2	1065	3 1/2%	E-111
AHU-3	" " " "	"	"	"	3 1/2%	E-111
EX-1	EX. FAN SECT.	"	1 1/2	1003	4 1/2%	A-215
REF-1	CHILLER	"	(4) 50	1750	1%	B-214
CP-142-3	H.W. PUMPS	"	"	1750	1%	212
CWP-142	CHILLED WATER	"	"	1750	1%	212
AC-3	AIR COND. UNIT	PENTHOUSE	3	1363	2 1/2%	D-214
AC-4	" " " "	"	1	946	3 1/2%	D-214
RA-3	RET. AIR FAN	"	1	975	3%	A-215
CDU-1	CONDENSER	MAIN ROOF	(6) 1	1750	"	113
RAC-142	ROOF TOP FAN UNITS	ASSEMBLY ROOM	(2) 3	1075	1%	D-214

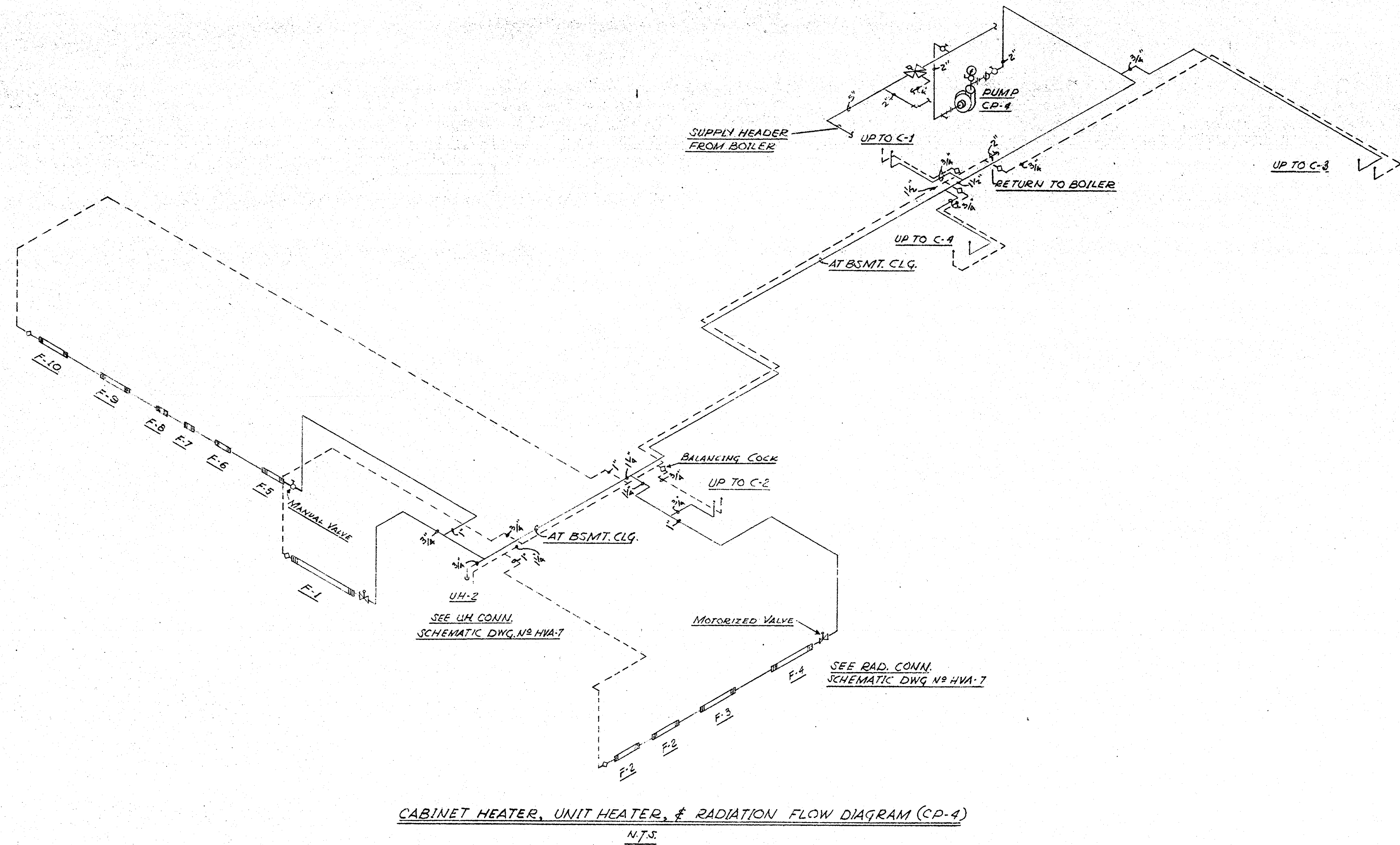


MUNICIPAL POLICE HEADQUARTERS AND CIRCUIT COURT BUILDING NEW BRITAIN CONNECTICUT

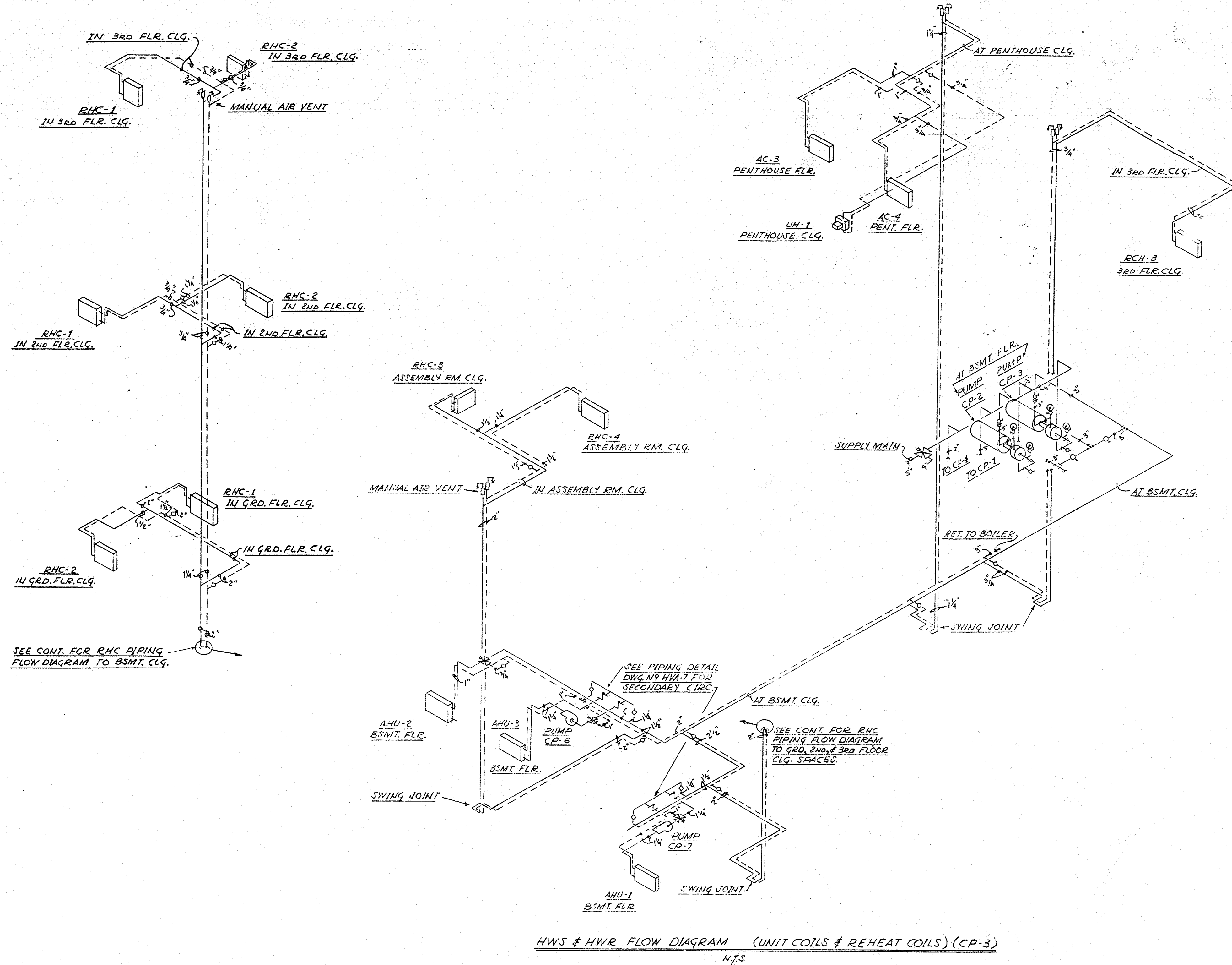
DATE OCT 1, 1966 SHEET NO. HVA-7



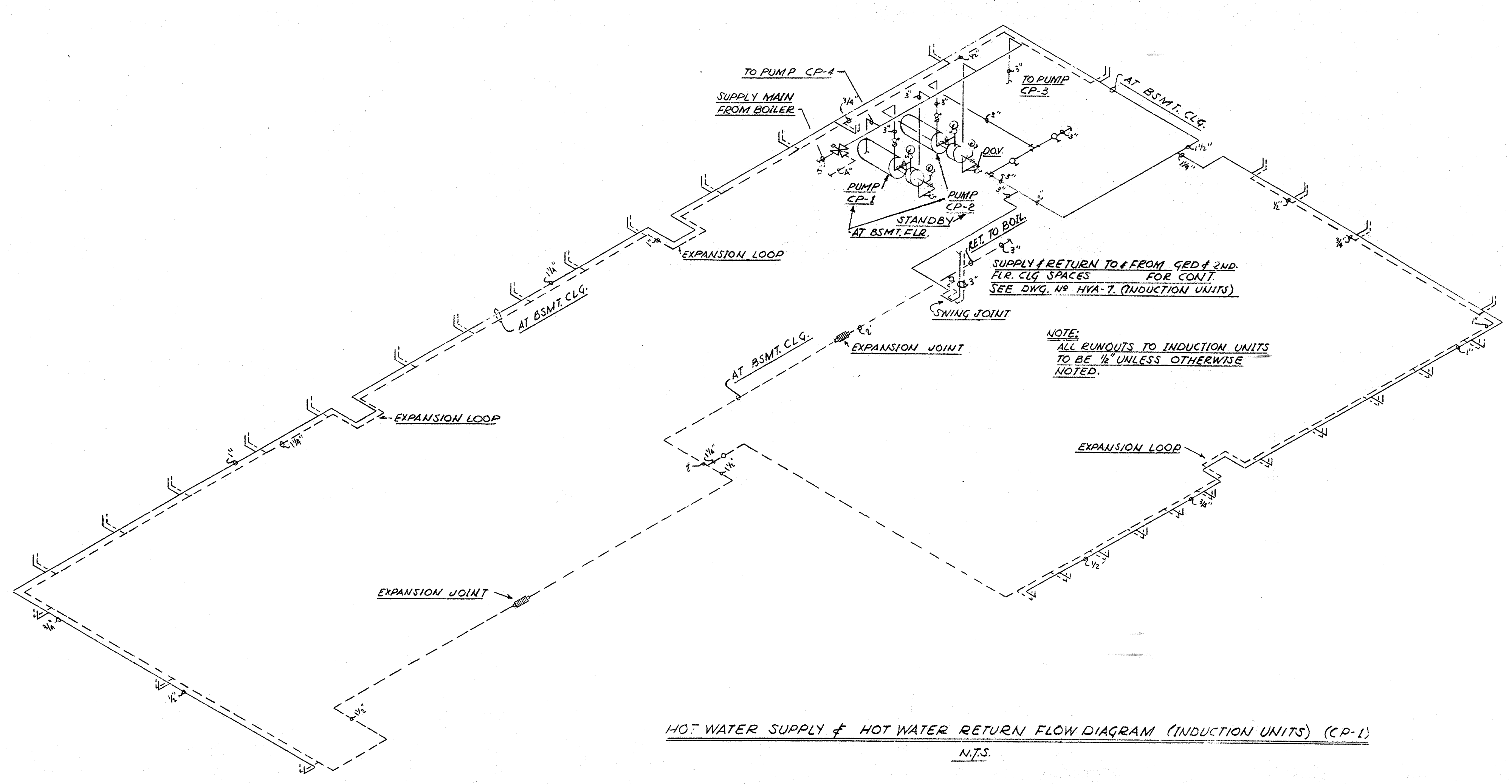
ARCHITECTS NEW BRITAIN CONNECTICUT



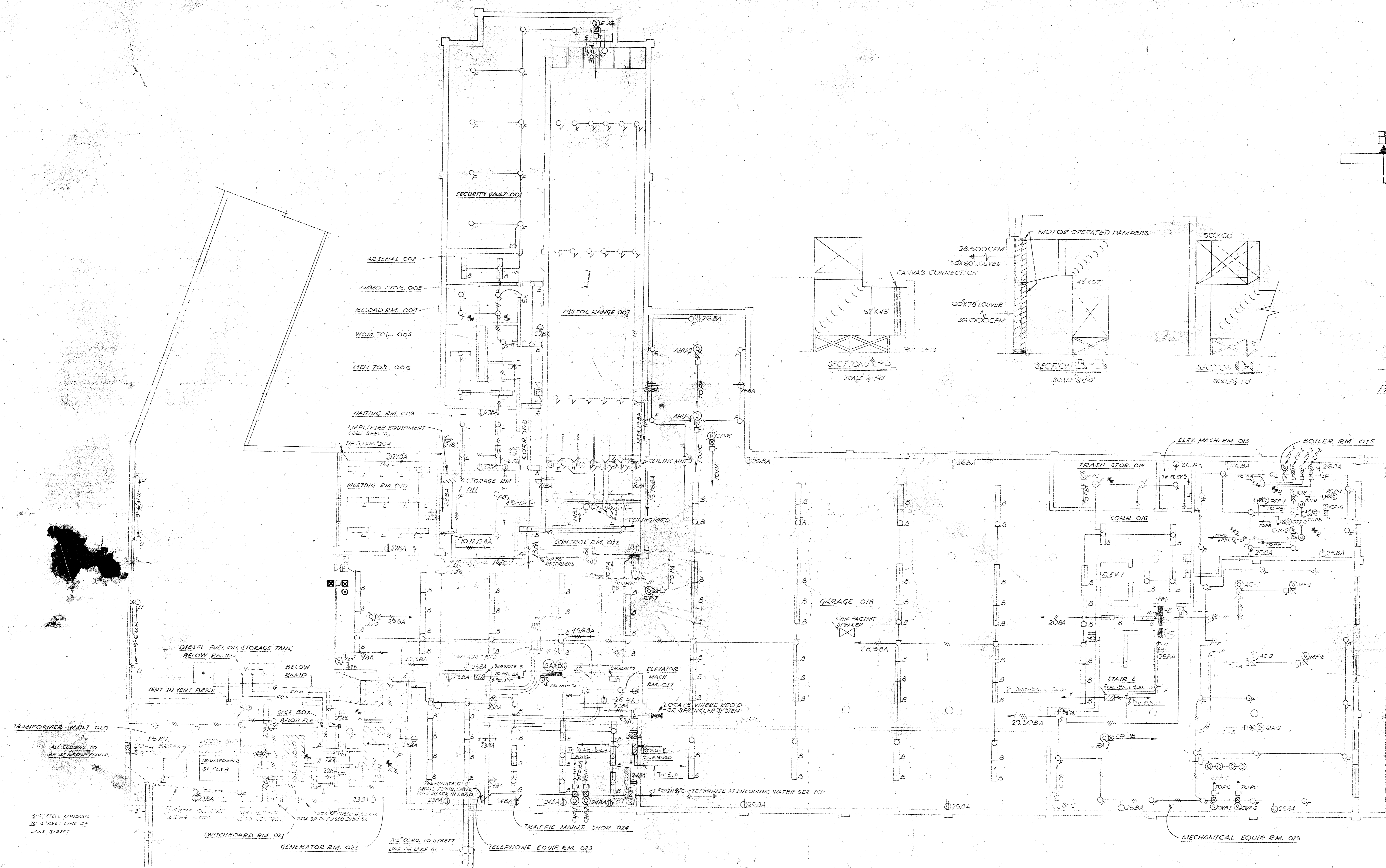
CABINET HEATER, UNIT HEATER, & RADIATION FLOW DIAGRAM (CP-4)
N.T.S.



HWS & HWR FLOW DIAGRAM (UNIT COILS & REHEAT COILS) (CP-3)
N.T.S.



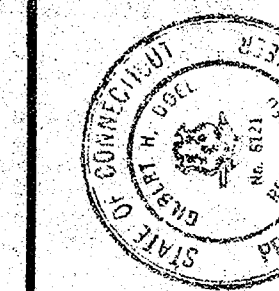
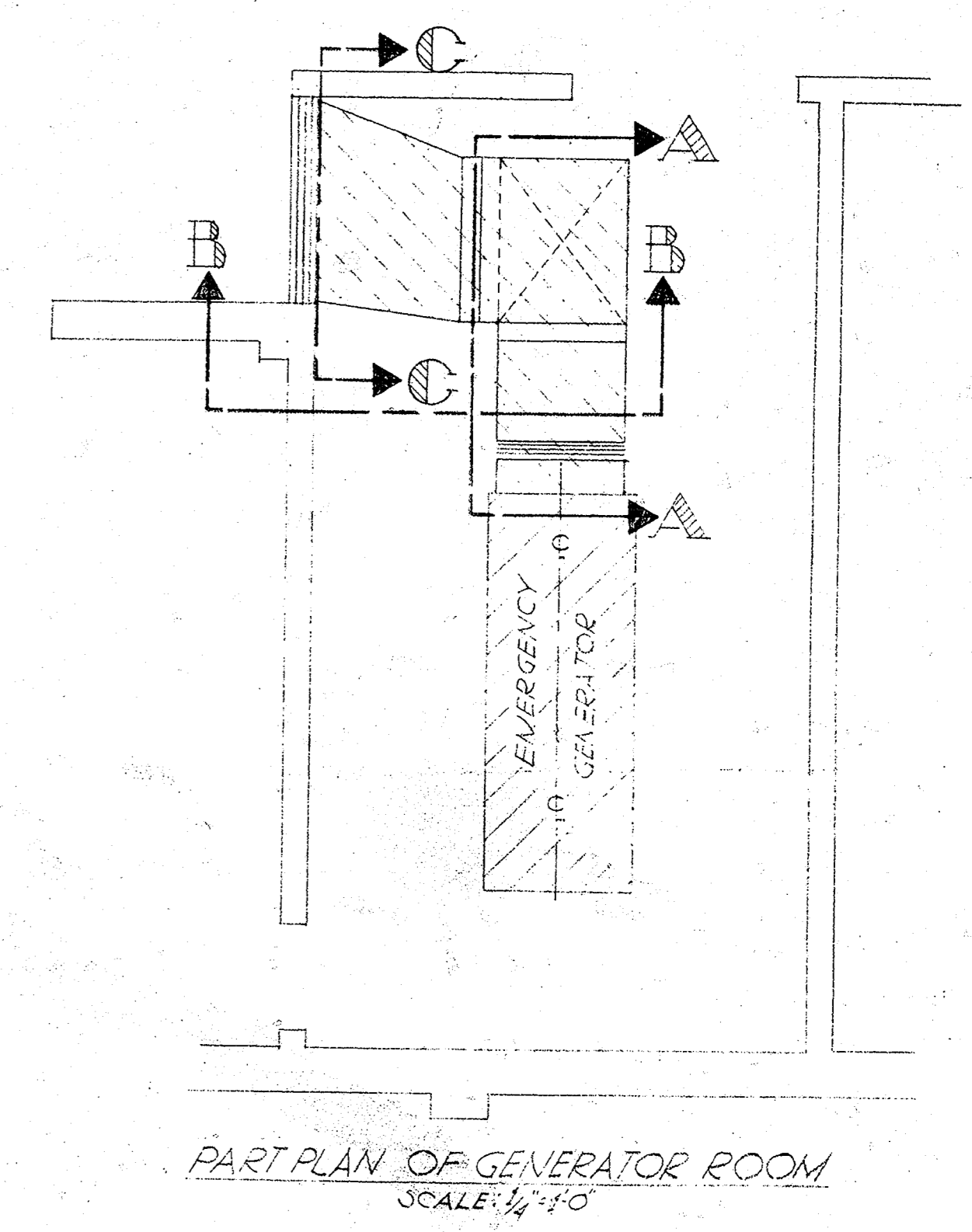
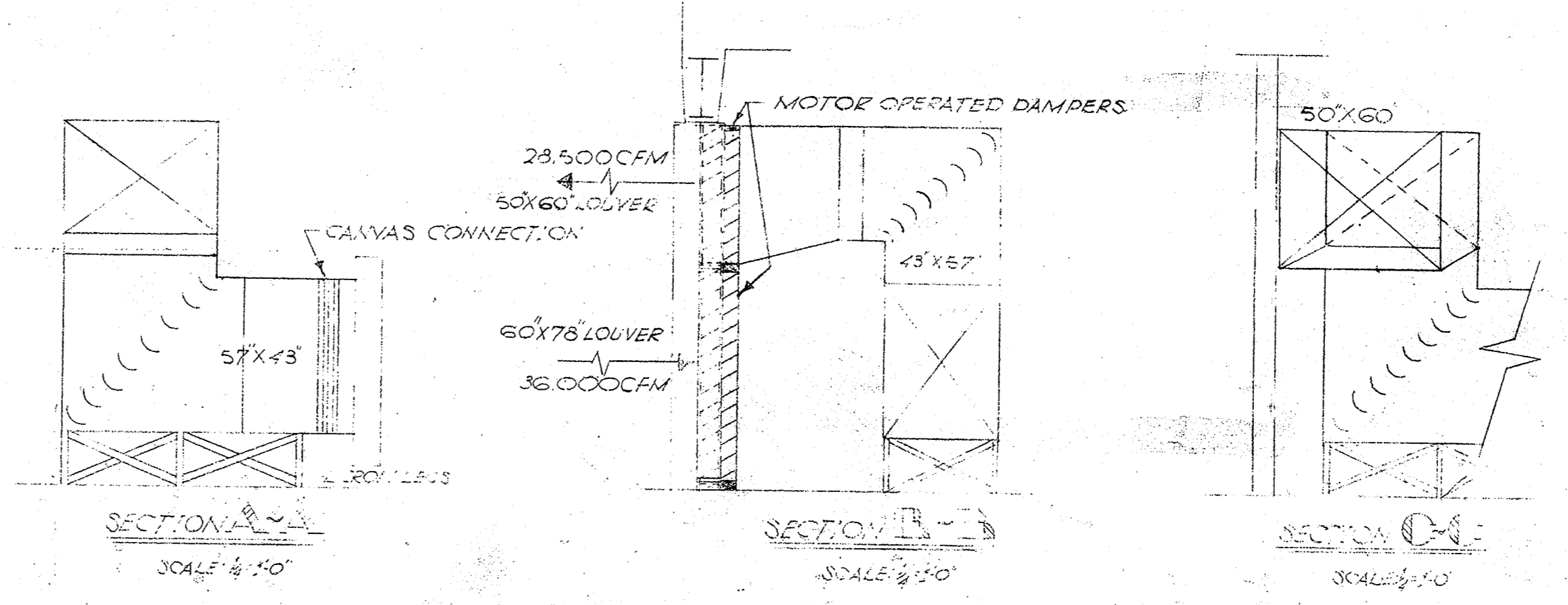
HOT WATER SUPPLY & HOT WATER RETURN FLOW DIAGRAM (INDUCTION UNITS) (CP-1)
N.T.S.



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

GENERAL NOTES

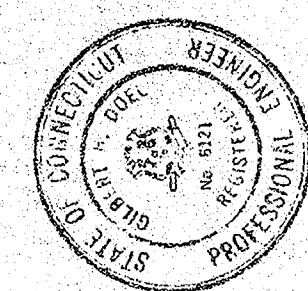
1. MOUNT ALL LIGHTING FIXTURES IN GARAGE AREA ON POWER STRUT CHANNEL 5' SUSPEND BELOW ALL DUCT WORK & PIPING. ALL LIGHTING FIXTURES IN GARAGE AREA SHALL BE MOUNTED 3'-6" MIN FROM BOTTOM OF FIXTURES TO FIN FLOOR. ALL LIGHTING FIXTURES IN BASEMENT SHALL BE INSTALLED AFTER ALL MECHANICAL EQUIPMENT IS INSTALLED. ALL LIGHTING FIXTURES TO BE SUSPENDED BELOW ALL DUCT WORK & PIPING IN AREAS OTHER THAN GARAGE.
2. ALL RE-STARTABLES IN TELEPHONE EQUIPMENT RM. TO BE HUEBEL CAT NO. 15335 DE EQUAL.
3. PROVIDE FUSE BOX WITH BOTTOM OF BOX 6" ABOVE, PROVIDE 4-20A 1-P FUSE, 3-6A 1-P FUSES IN BOX.
4. PROVIDE (2) TWO AUTO-TIME SWITCHES, INTERMATIC CAT. NO. V25074 OR EQUAL, (FOR TYPE 34 FIXTURES)



MUNICIPAL POLICE HEADQUARTERS
AND CIRCUIT COURT BUILDING

DATE OCT. 1, 1966
SHEET NO. 11

ARCHITECTS
NEW BRITAIN

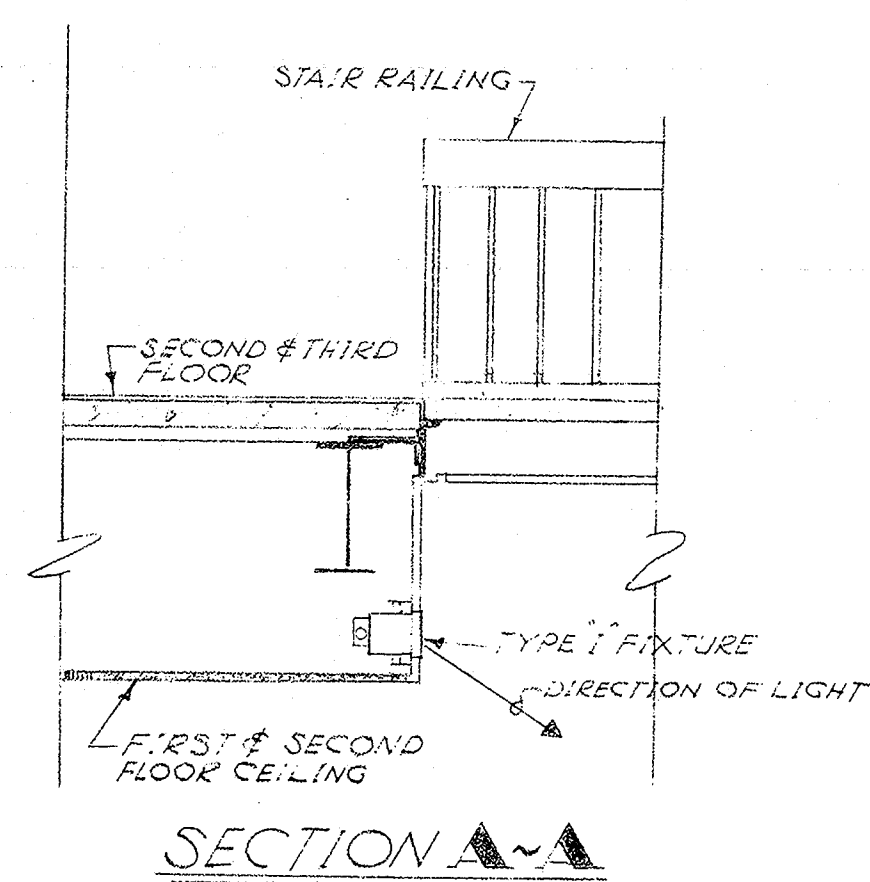


MUNICIPAL POLICE HEADQUARTERS
AND CIRCUIT COURT BUILDING
NEW BRITAIN
CONNECTICUT

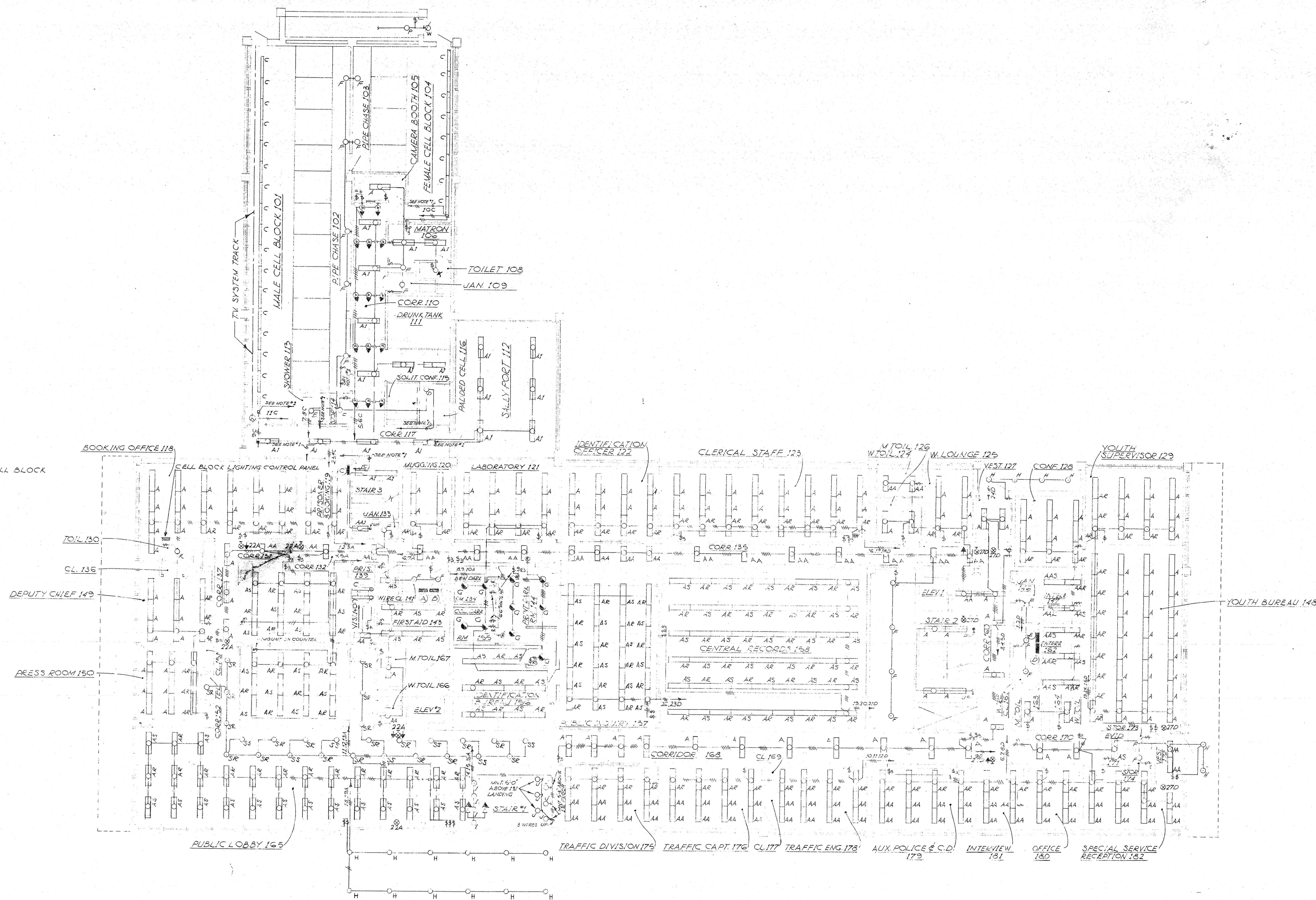
DATE
OCT 1, 1966
SHEET NO.
E-2

ARCHITECTS
NEW BRITAIN
CONNECTICUT
HUNTER HAMMERBERG & KAESTLE
INCORPORATED

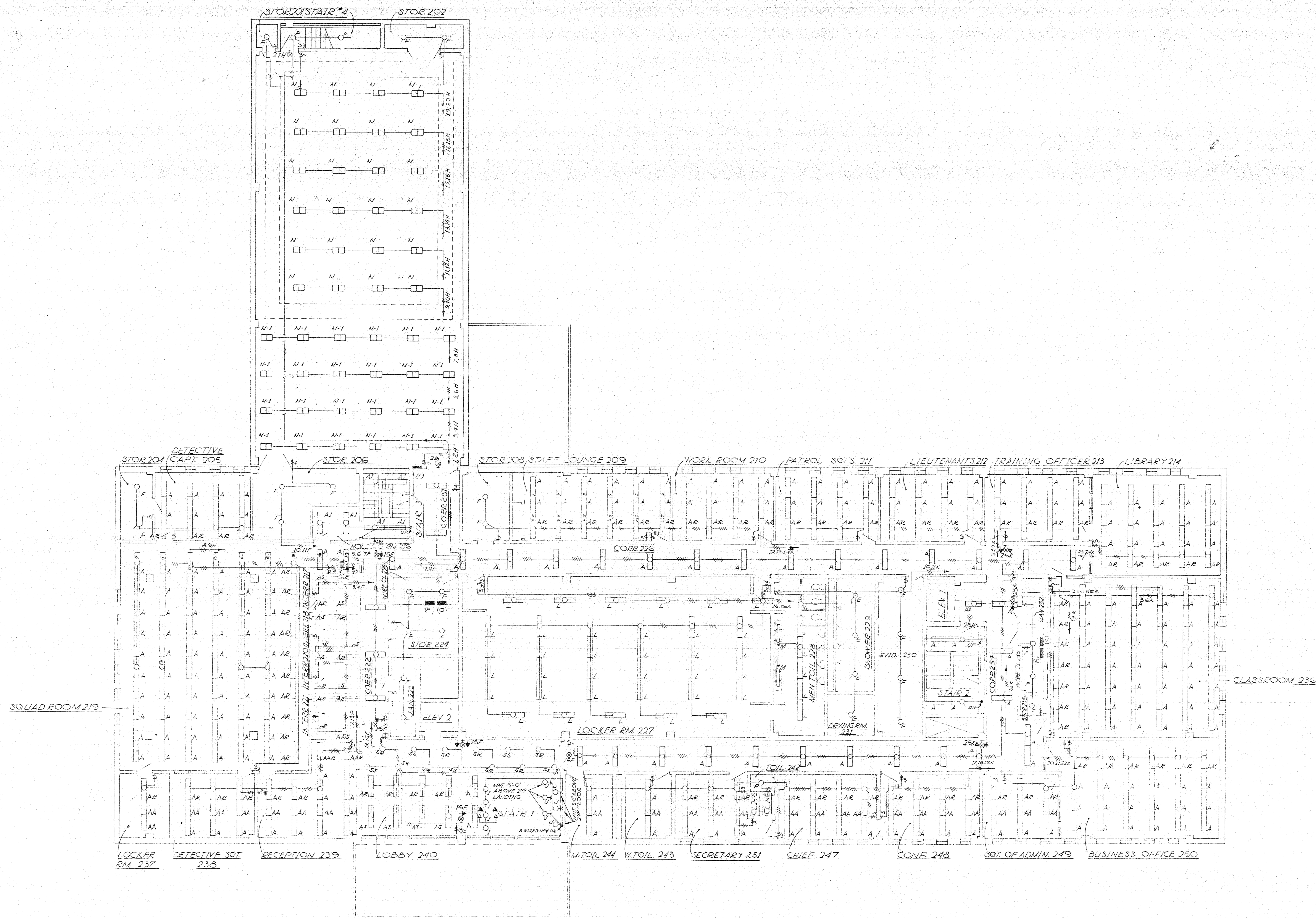
NOTES
1 RUN ALL CELL BLOCK LIGHTING SWITCH LEADS BACK TO CELL BLOCK LIGHTING CONTROL PANEL (SEE DETAIL SHEET E-1)



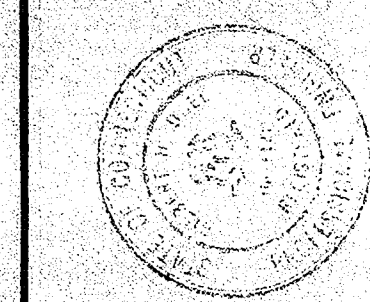
DETAIL OF TYPE 1 FIXTURE INSTALLED
SCALE 1/4" = 1'-0"



GROUND LEVEL PLAN

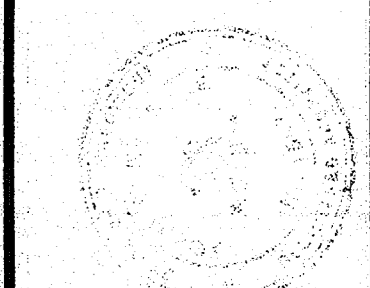


SECOND FLOOR

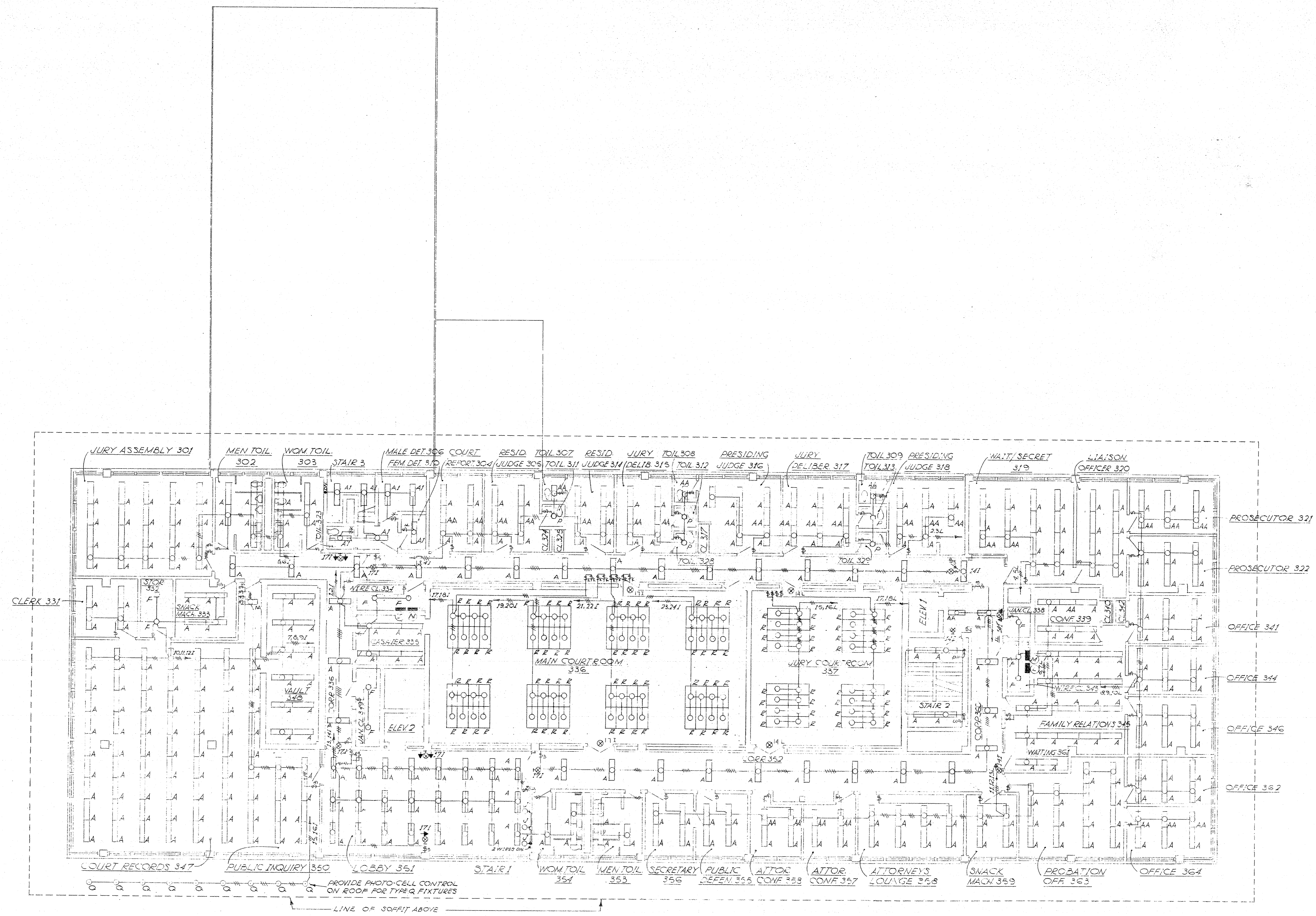


MUNICIPAL POLICE HEADQUARTERS
AND MUNICIPAL CIRCUIT COURT BUILDING
NEW BRITAIN, CONNECTICUT

DATE OCT. 1, 1966
SHEET NO. E-3



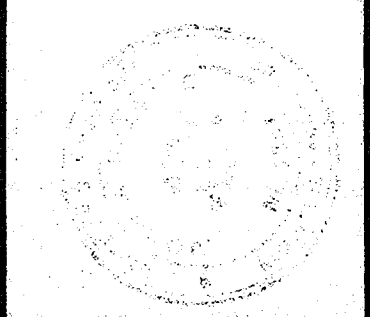
ARCHITECTS
NEW BRITAIN
CONNECTICUT
MEMBERS - STATE
DIVISION OF PROFESSIONAL REGULATION



THIRD FLOOR PLAN

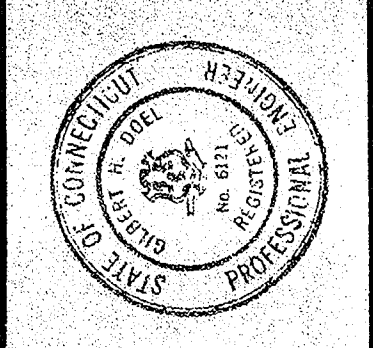
MUNICIPAL POLICE HEADQUARTERS
AND CIRCUIT COURT BUILDING
NEW BRITAIN
CONNECTICUT

DATE OCT 1, 1966
SHEET NO. E-4

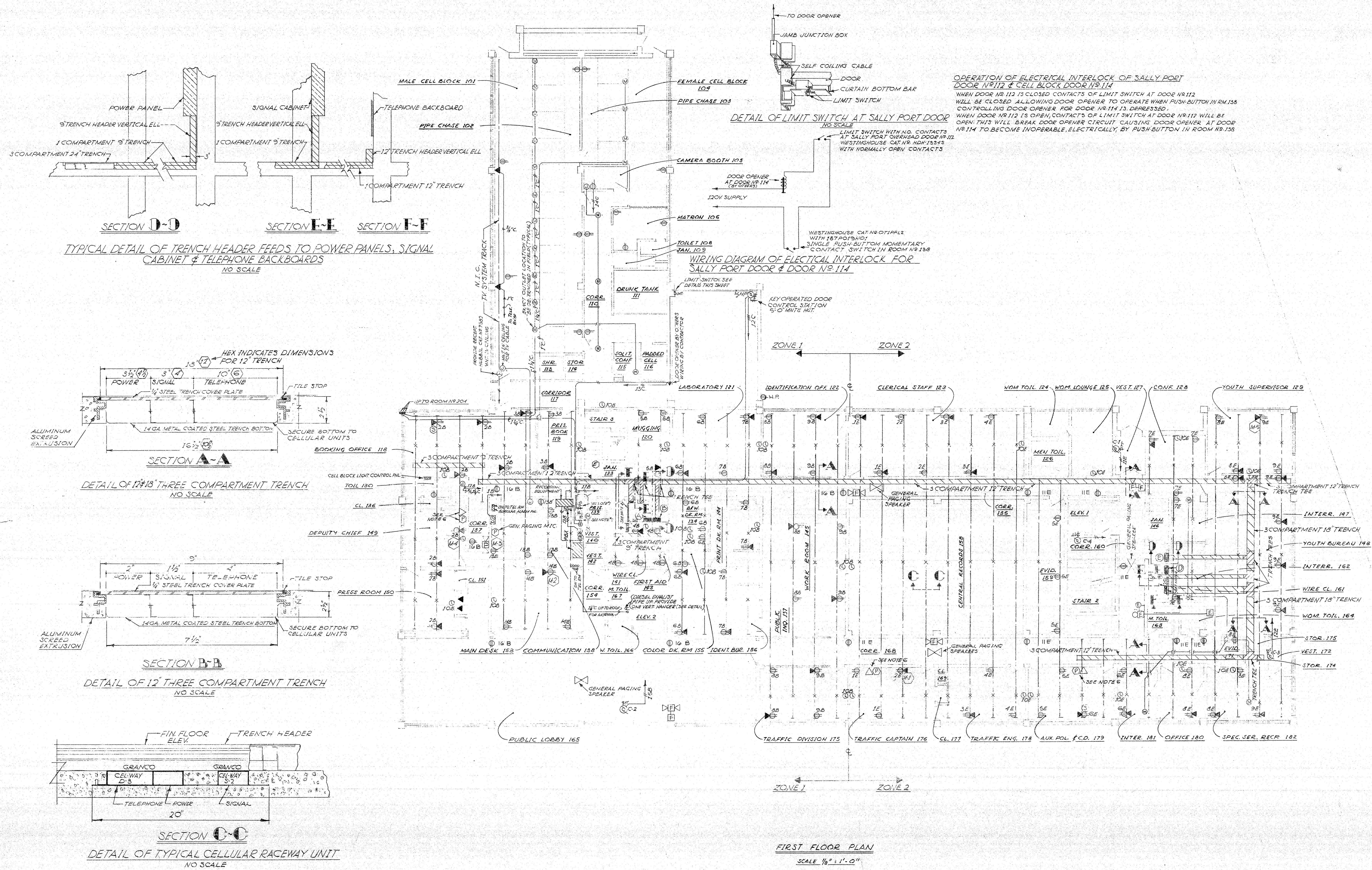


ARCHITECTS
NEW BRITAIN
CONNECTICUT
HIRSCH-HAMMERBERG-KESTLE
100 WOODLAND STREET - NEW BRITAIN, CONN. 06103

- GENERAL NOTES**
1. PUSH-BUTTON DOOR CONTROL STATION & PILOT LIGHT, MNT. 18" ABOVE COUNTER TOP.
 2. PUSH-BUTTON FOR CELL BLOCK DOOR OPENER, DOOR NR 114.
 3. PROVIDE INSERTS EVERY 2'-0" ON CENTER IN EACH CELL OF EACH CELLULAR RACEWAY UNIT ON EACH FLOOR.
 4. PROVIDE 4x8 PLYWOOD BACKBOARD, PAINT GRAY ALL SIDES (TYPICAL ALL FLOORS).
 5. CONNECT ALL CLOCKS & RECEPTACLES AS PER COT DESIGNATION & RUN HOME.
 6. GENERAL PAGING, MICROPHONE & POLICE RADIO CALL MONITOR.
 7. SEE NOTES 2, 3, 4, 6 SHEET E-7.



MUNICIPAL POLICE HEADQUARTERS
 AND CIRCUIT COURT BUILDING
 NEW BRITAIN
 CONNECTICUT



OPERATION OF ELECTRICAL INTERLOCK OF SALLY PORT DOOR NR 112 & CELL BLOCK DOOR NR 114

WHEN DOOR NR 112 IS CLOSED CONTACTS OF LIMIT SWITCH AT DOOR NR 112 WILL BE CLOSED ALLOWING DOOR OPENER TO OPERATE WHEN PUSH-BUTTON IN RM 138 CONTROLLING DOOR OPENER FOR DOOR NR 114 IS DEPRESSED.

WHEN DOOR NR 112 IS OPEN, CONTACTS OF LIMIT SWITCH AT DOOR NR 112 WILL BE OPEN. THIS WILL BREAK DOOR OPENER CIRCUIT CAUSING DOOR OPENER AT DOOR NR 114 TO BECOME INOPERABLE, ELECTRICALLY, BY PUSH-BUTTON IN ROOM NR 138.

DETAIL OF LIMIT SWITCH AT SALLY PORT DOOR
NO SCALE

LIMIT SWITCH WITH NO. CONTACTS AT SALLY PORT OVERHEAD DOOR NR 112 WESTINGHOUSE CAT. NR. 13345 WITH NORMALLY OPEN CONTACTS

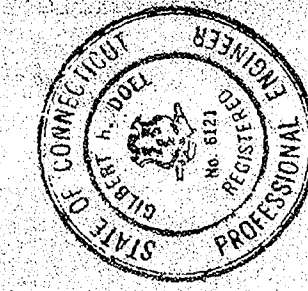
WIRING DIAGRAM OF ELECTRICAL INTERLOCK FOR SALLY PORT DOOR & DOOR NR 114
NO SCALE

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

DATE OCT. 1, 1966
SHEET NO. E-5

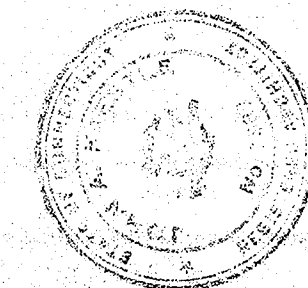


ARCHITECTS
HUBBARD & NORTON
NEW BRITAIN, CT

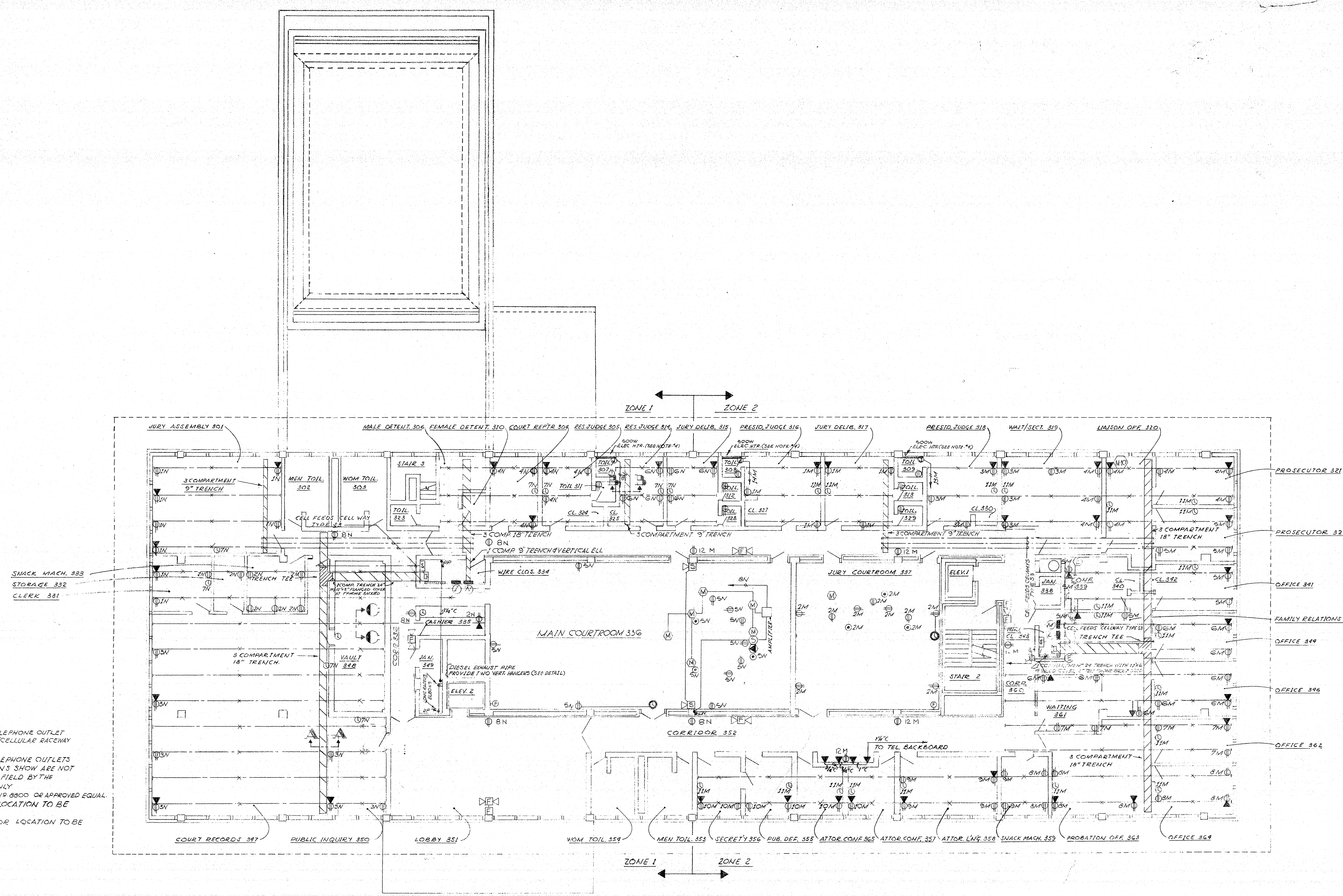


MUNICIPAL POLICE HEADQUARTERS
 AND CIRCUIT COURT BUILDING
 BRITAIN
 CONNECTICUT

DATE OCT. 1, 1966
 SHEET NO. E-7

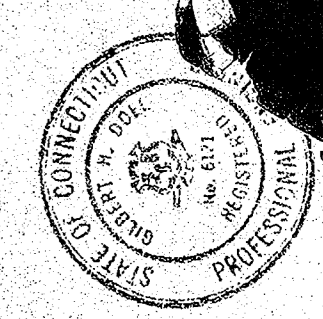


ARCHITECTS
 NEW BRITAIN
 HIRSCH HAMMERSBERG KAESTLE
 ARCHITECTS
 BRITAIN, CONNECTICUT



- GENERAL NOTES**
1. SEE RELATED DETAILS & SECTIONS SHEET NOS. E-5 & E-6
 2. ALL DUPLEX RECEPTACLES WHETHER OR NOT SHOWN WITH TELEPHONE OUTLET SHALL BE PROVIDED WITH DUAL OUTLET SERVICE FITTING (CELLULAR RACEWAY DUCT OUTLETS ONLY)
 3. ALL CELLULAR RACEWAY DUCT, DUPLEX RECEPTACLES & TELEPHONE OUTLETS SHOWN ARE STRICTLY FOR QUANTITIES ONLY. ALL LOCATIONS SHOWN ARE NOT EXACT. EXACT LOCATION SHALL BE DETERMINED IN THE FIELD BY THE OWNER ARCHITECT/CELLULAR RACEWAY DUCT OUTLETS ONLY
 4. ELECTRIC HEAT BASEBOARD SHALL BE ELECTROWOOD CAT. NO. 8800 OR APPROVED EQUAL
 5. PROVIDE 10 OUTLETS FOR SIGNAL DUCT PER FLOOR. LOCATION TO BE DETERMINED IN FIELD
 6. PROVIDE 30 OUTLETS FOR TEL. & POWER PER FLOOR. LOCATION TO BE DETERMINED IN FIELD
 7. SEE NOTE 5 SHEET E-5.

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

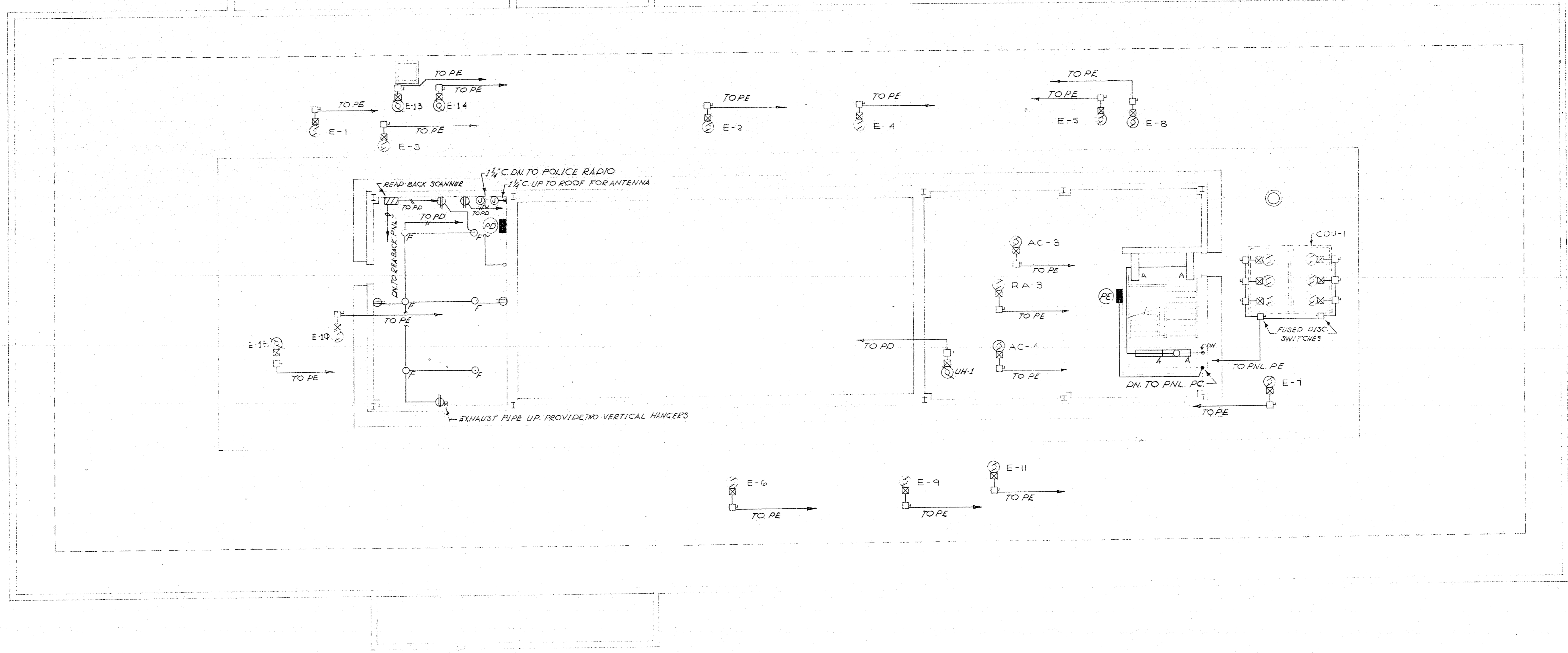
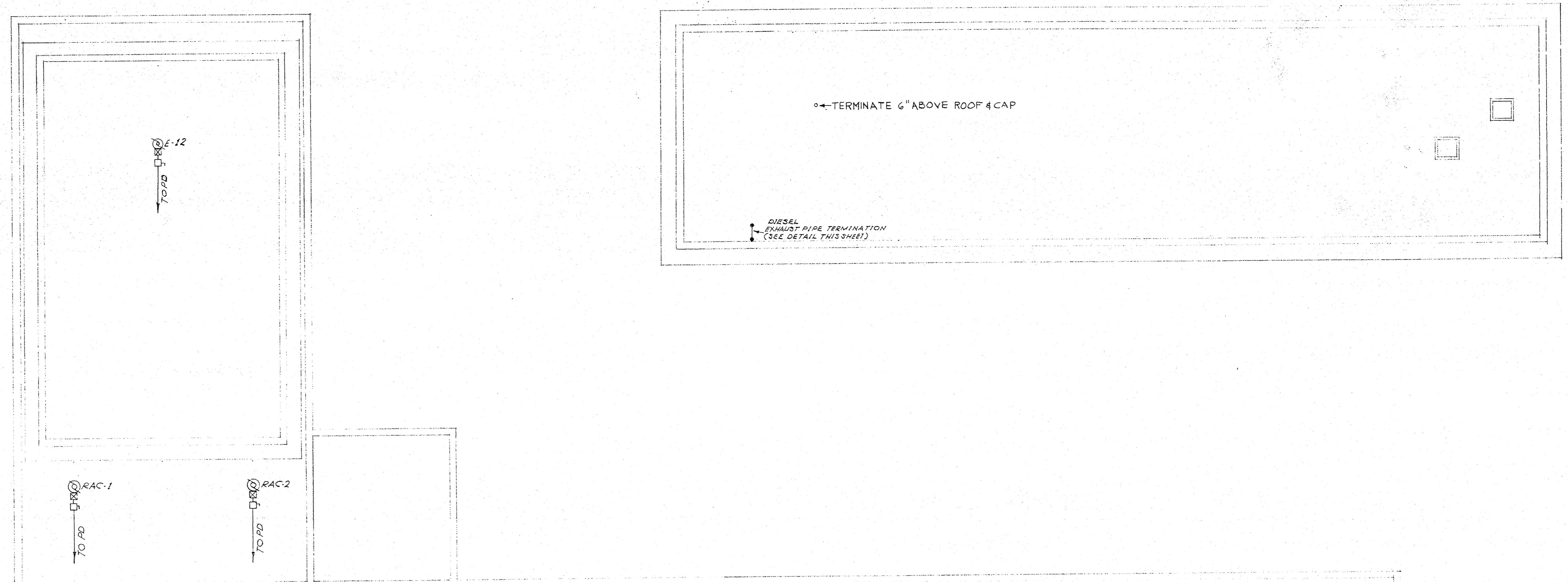


MUNICIPAL POLICE HEADQUARTERS
AND CIRCUIT COURT BUILDING
BRITAIN, CONNECTICUT

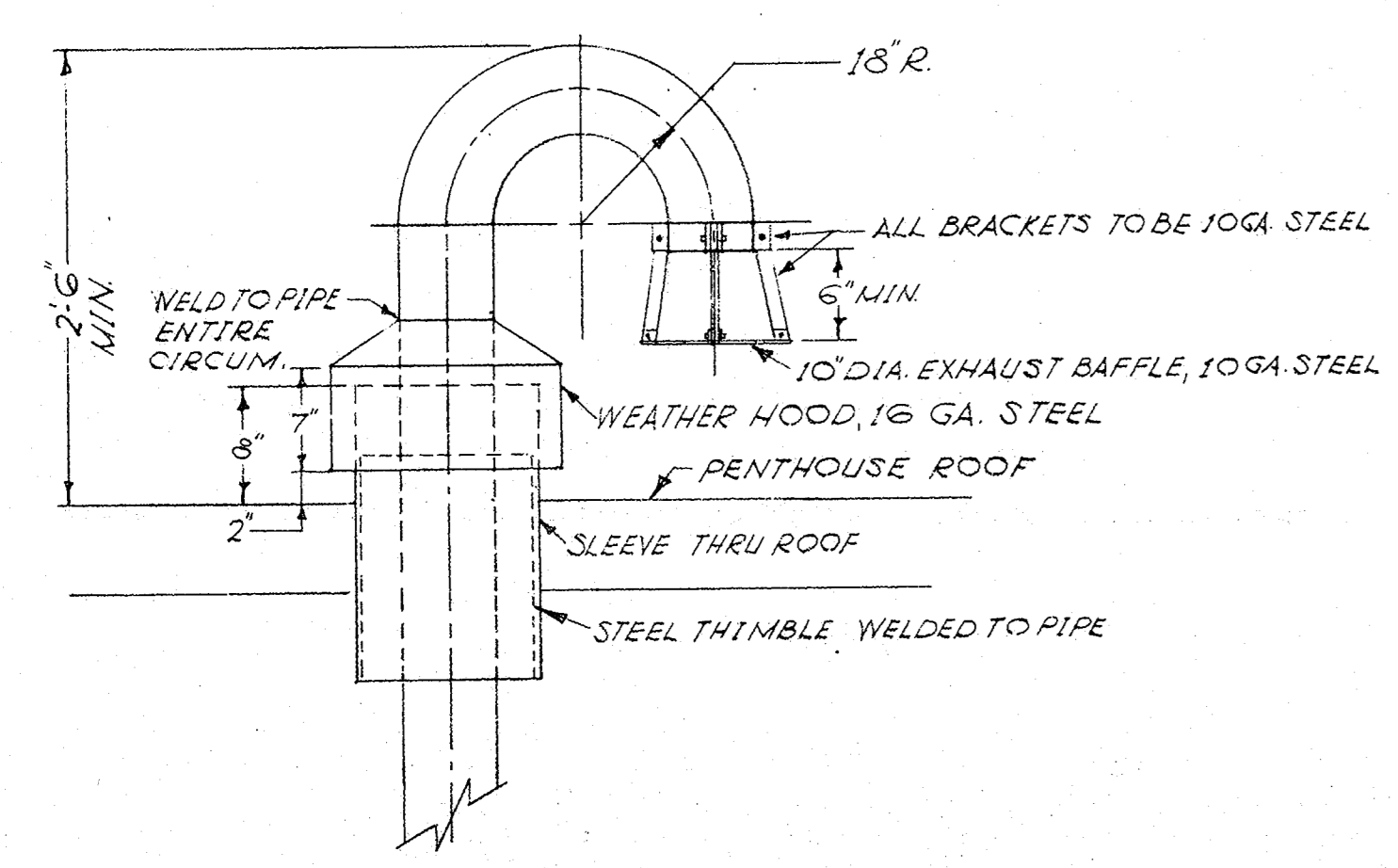
DATE OCT. 1, 1966
SHEET NO. E-8



ARCHITECTS
HRSCH - HAMMERBERG - KAESTLE
NEW BRITAIN, CONNECTICUT



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



DETAIL OF EXHAUST PIPE TERMINATION (DIESEL)
SCALE: 1" = 1'-0"

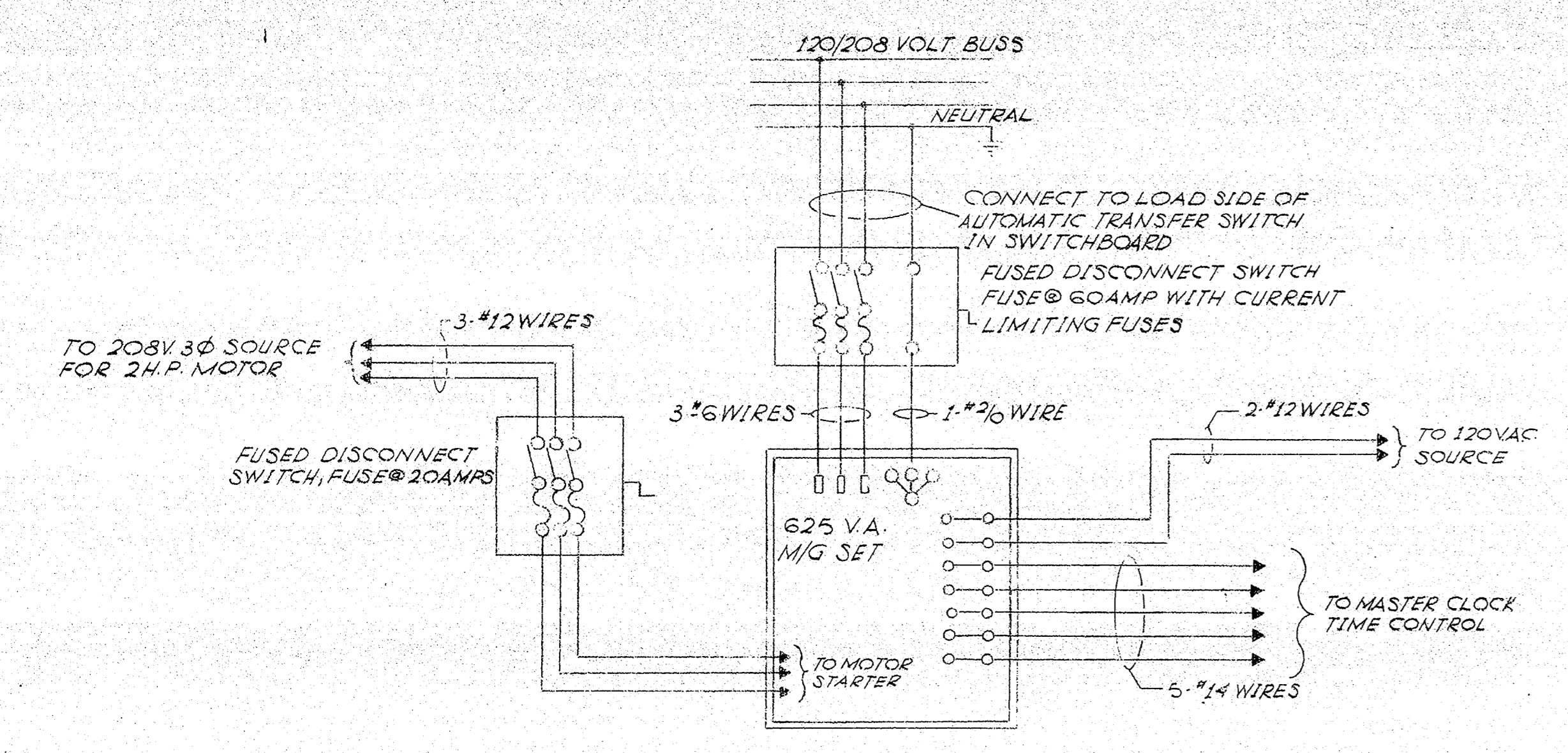


MUNICIPAL POLICE HEADQUARTERS AND CIRCUIT COURT BUILDING BRITAIN CONNECTICUT

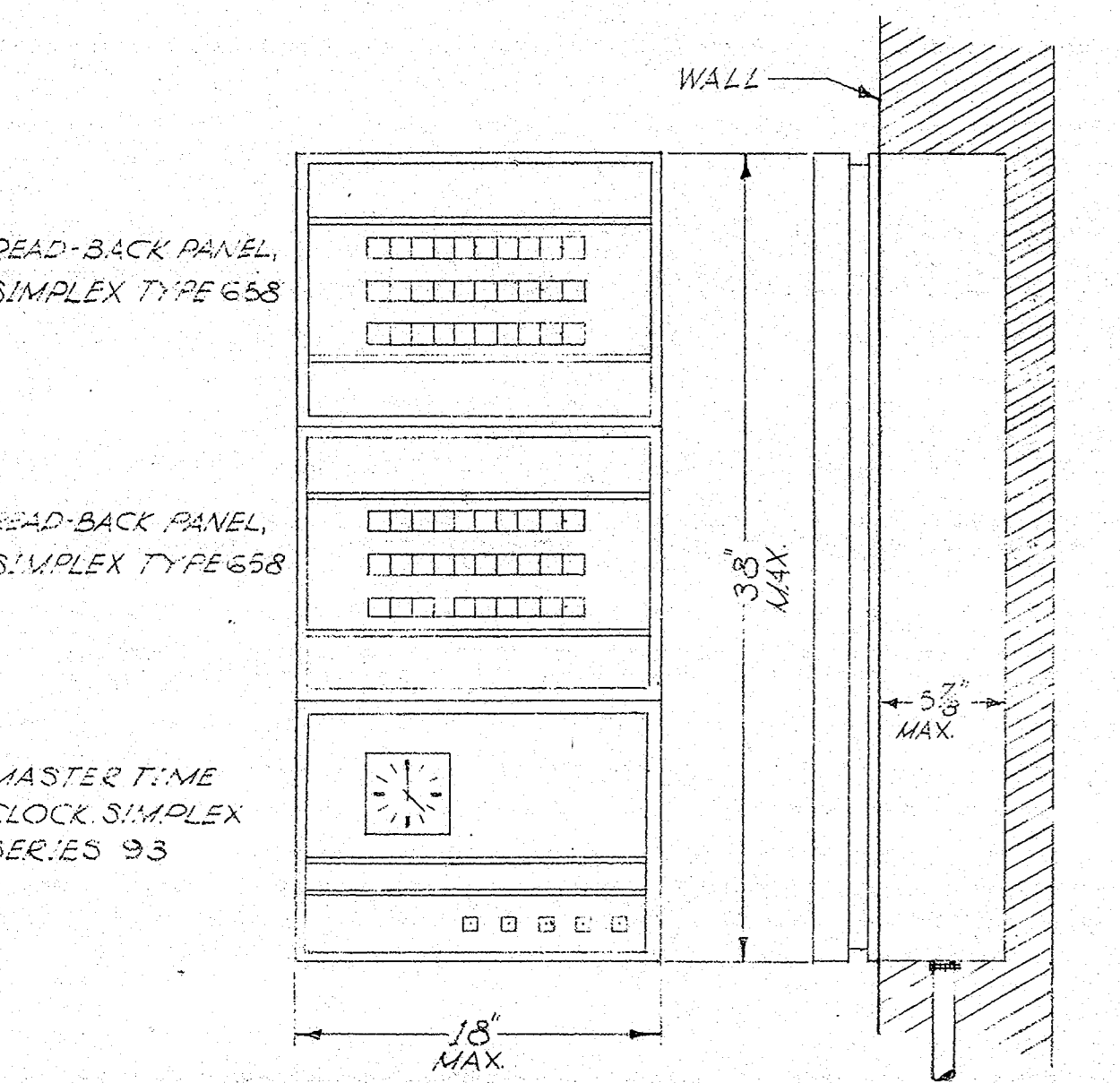
DATE OCT. 1, 1966 SHEET NO. E-9



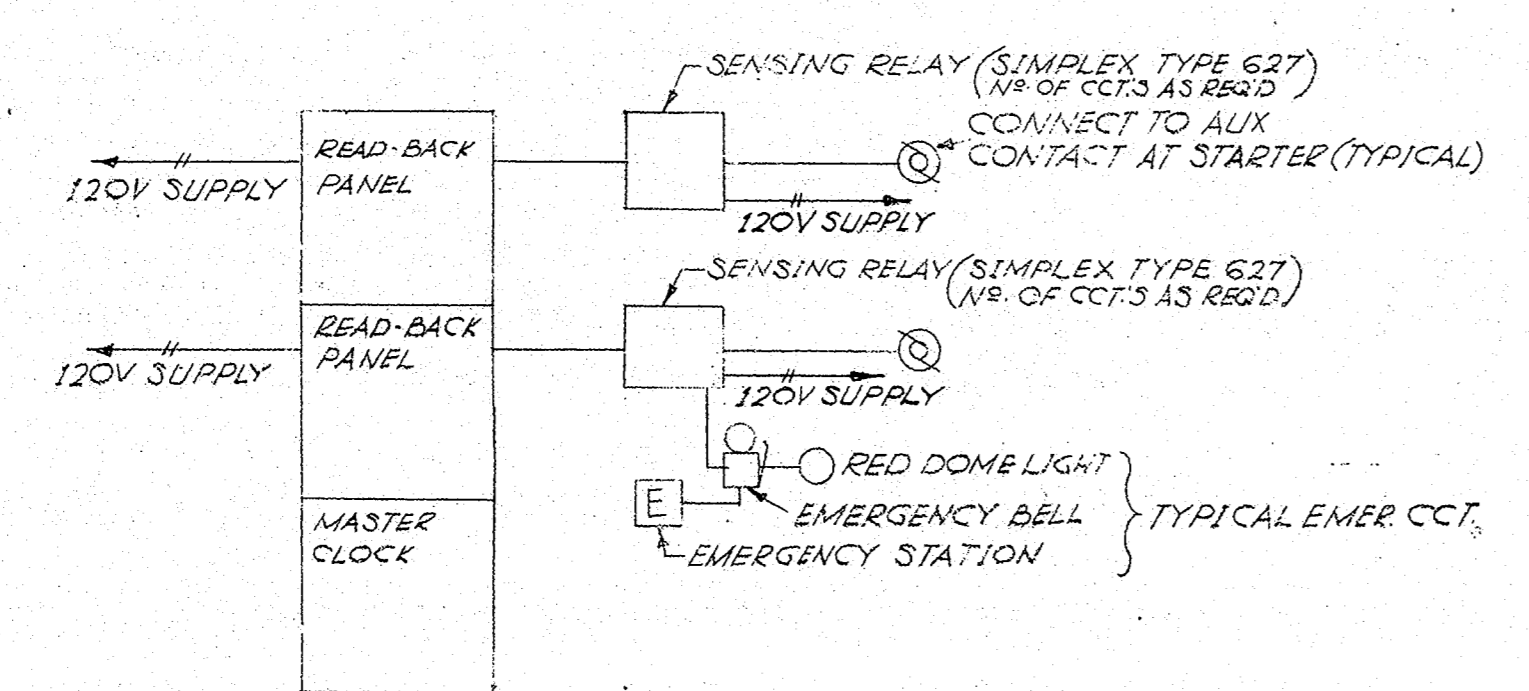
ARCHITECTS NEW BRITAIN CONNECTICUT WELCH & HANMERBERG & KAESTLE CIVIL ENGINEERS NEW BRITAIN, CONN. TEL. 243-2200



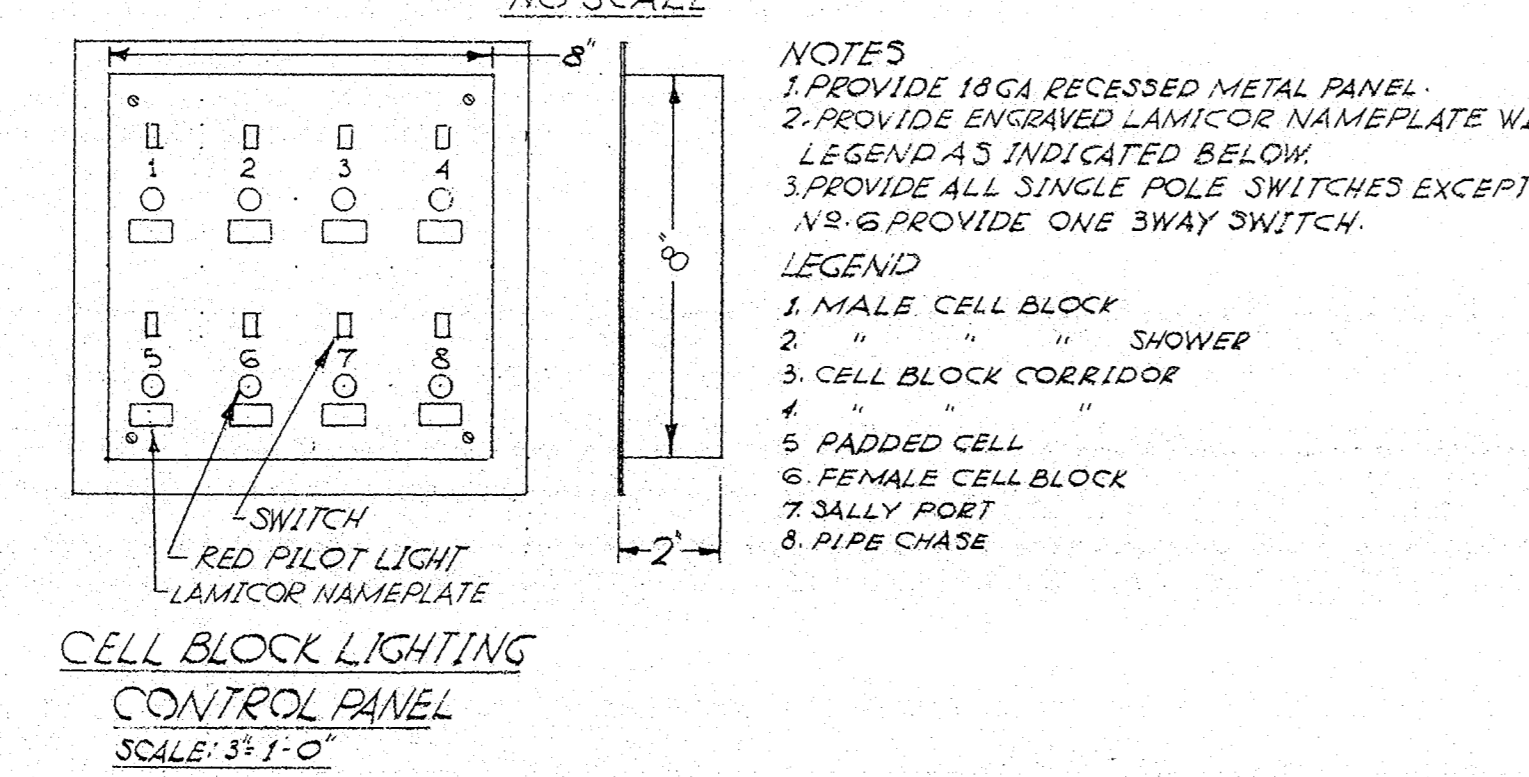
WIRING DIAGRAM FOR SIMPLEX TYPE 625 M/G SET FOR CLOCK CONTROL NO SCALE



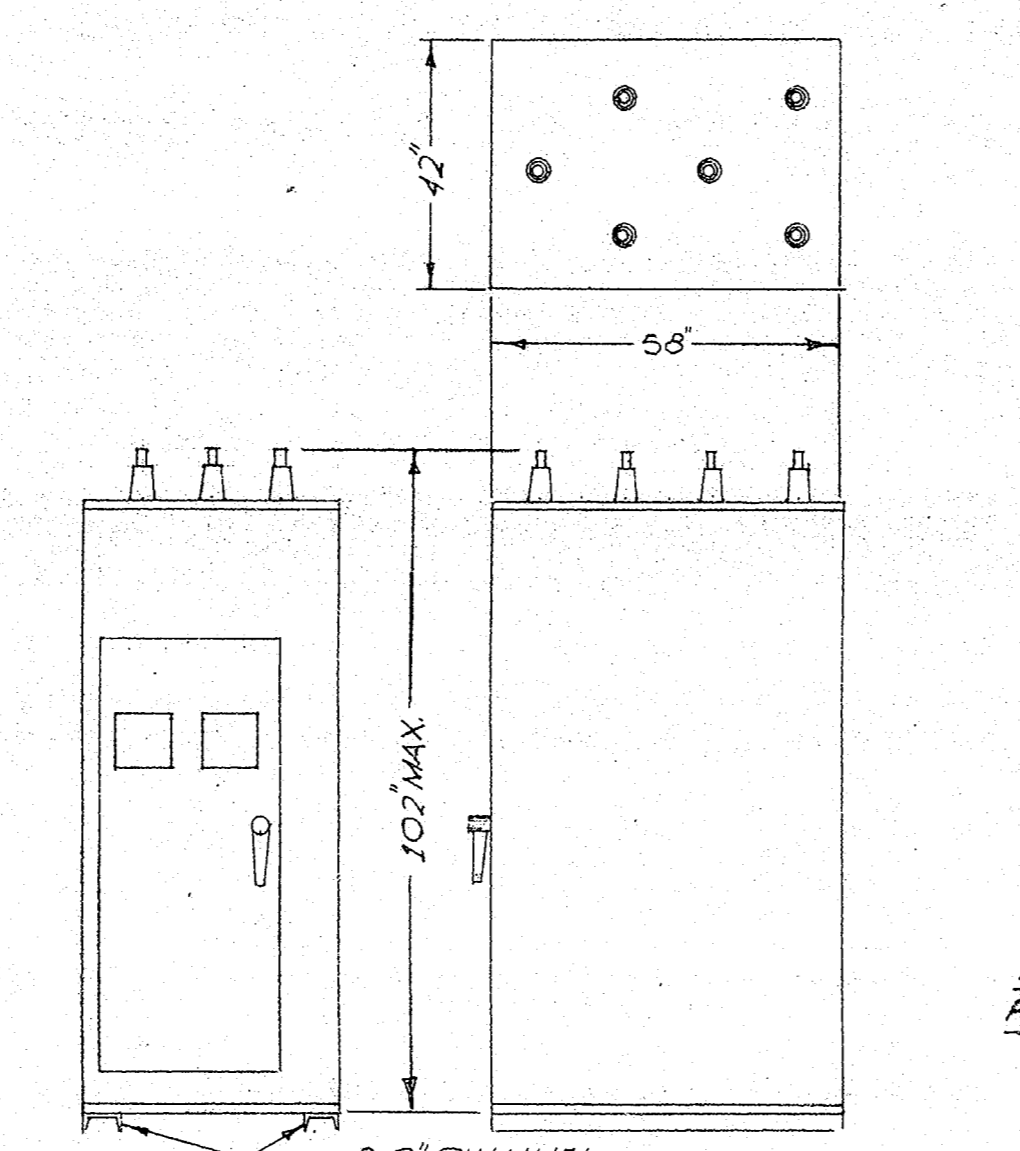
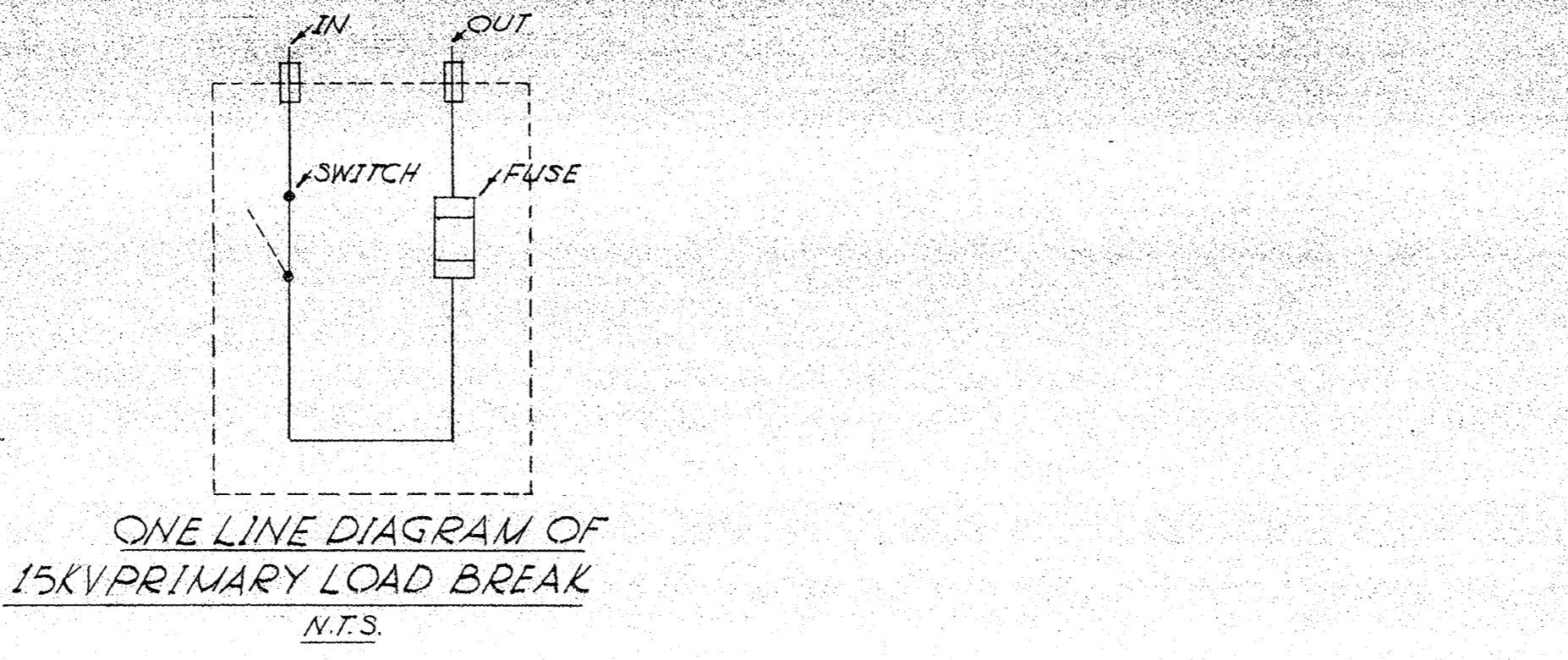
DETAIL OF MASTER CLOCK & READ-BACK PANELS N.T.S.



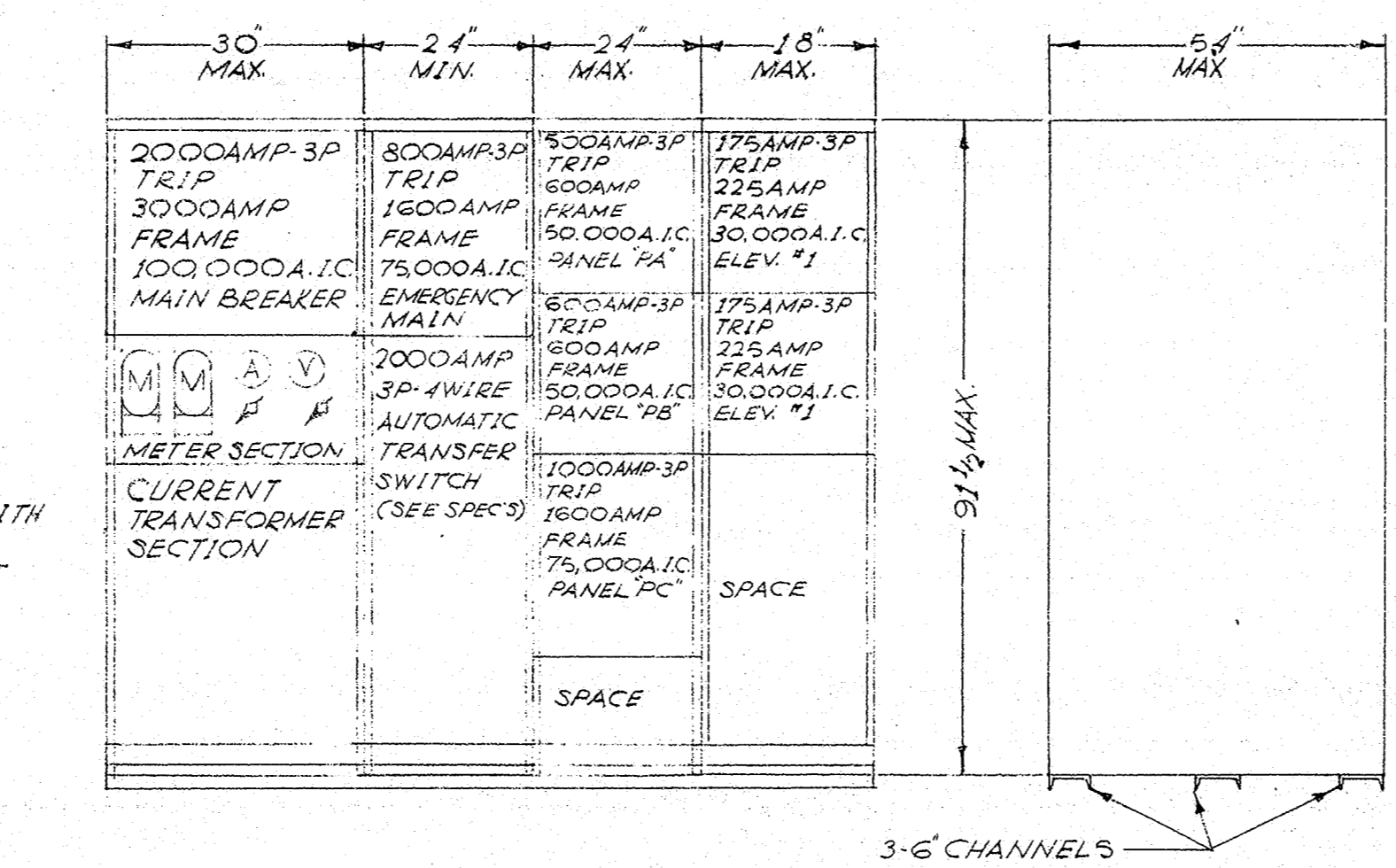
ONE LINE DIAGRAM OF READ-BACK SYSTEM NO SCALE



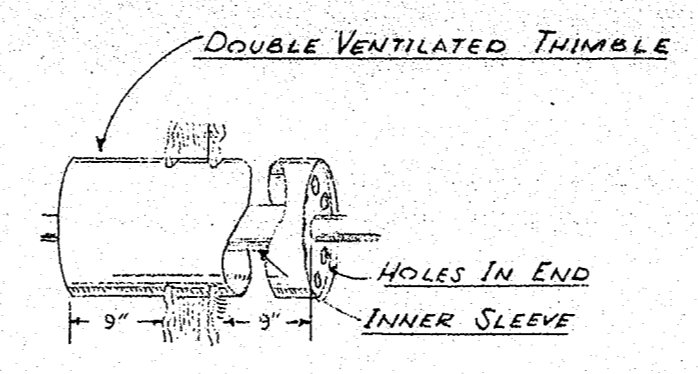
CELL BLOCK LIGHTING CONTROL PANEL SCALE: 3/16\"/>



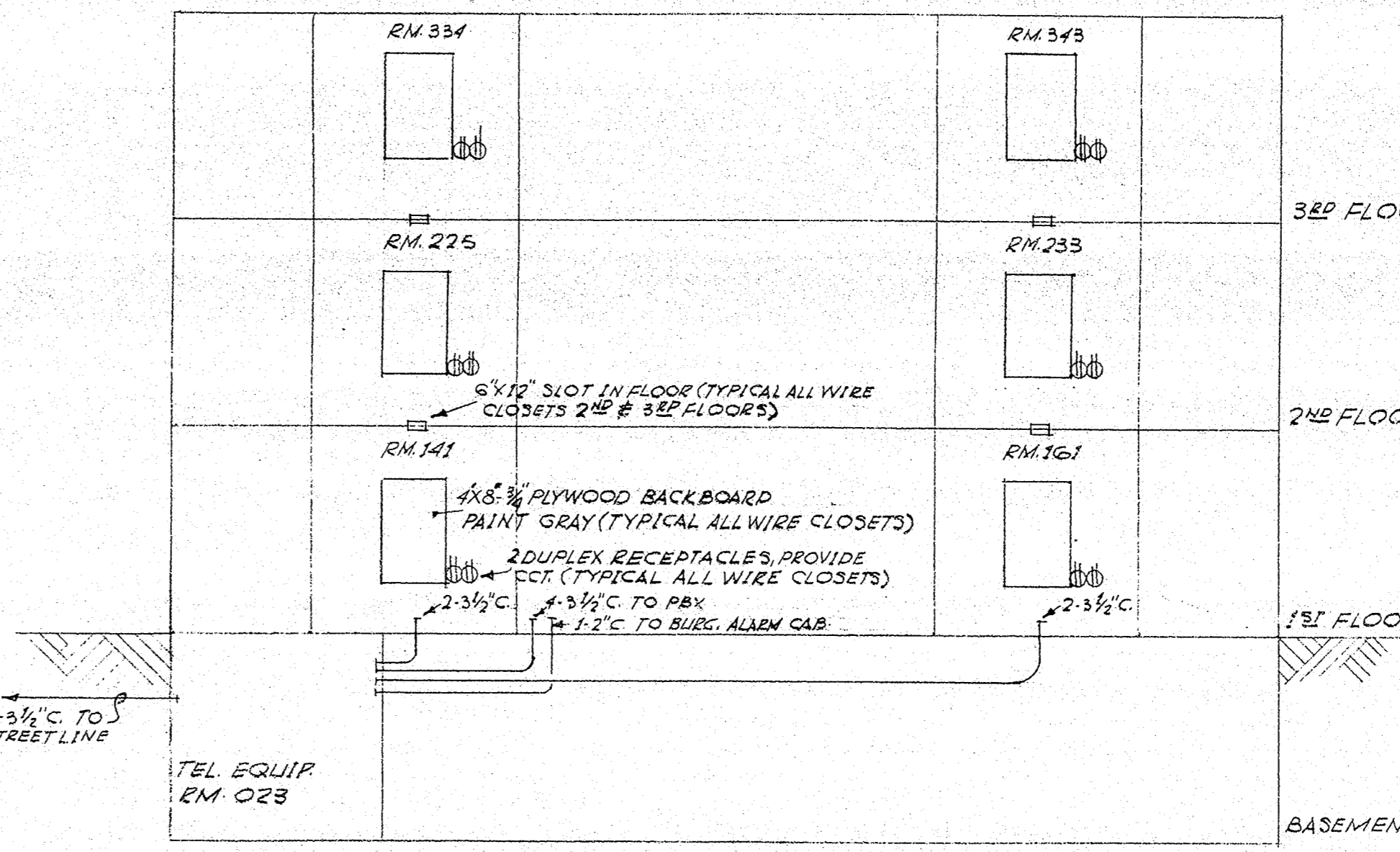
DETAIL OF PRIMARY 15KV LOAD BREAK SWITCH SCALE: 3/16\"/>



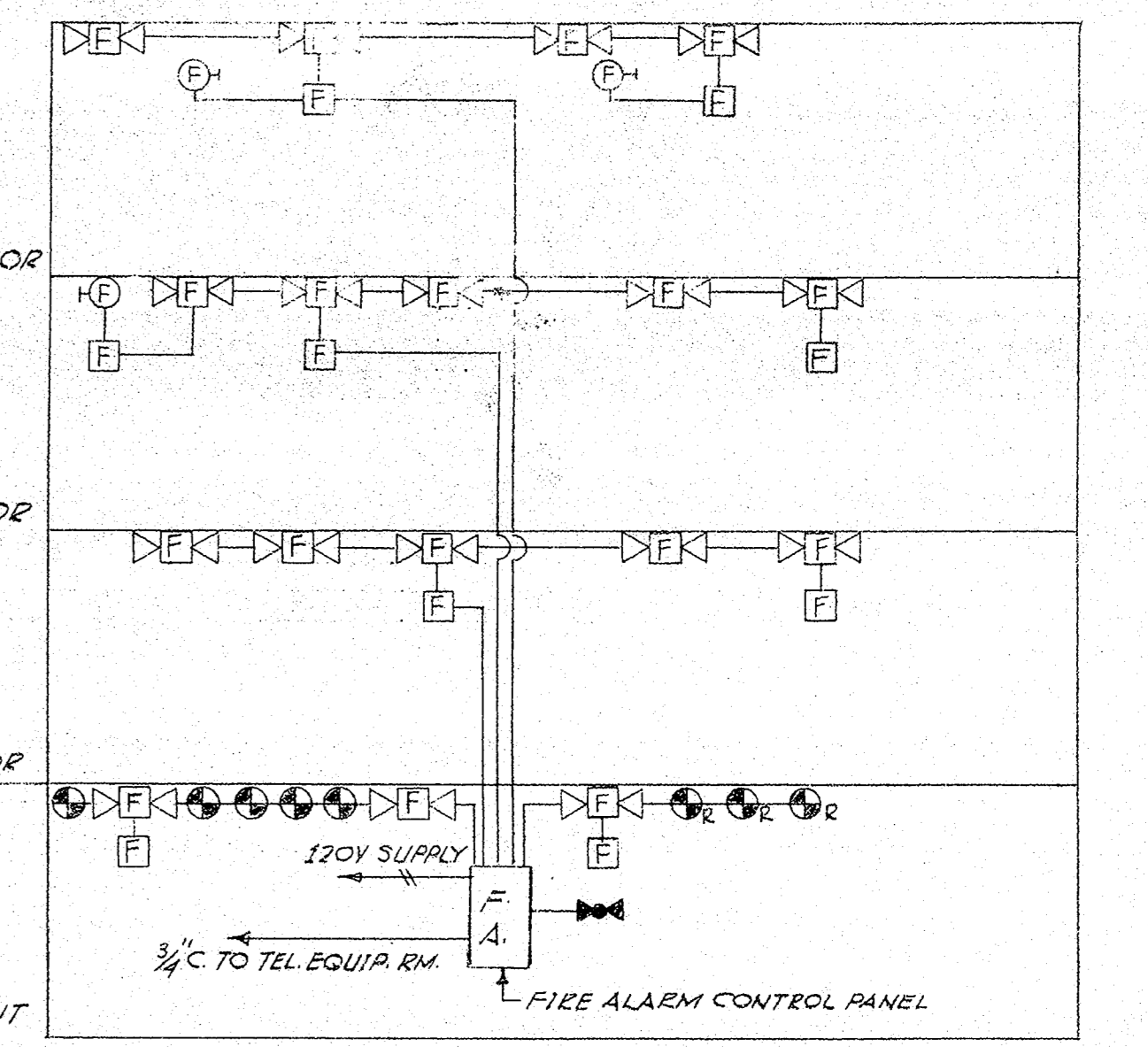
DETAIL OF SWITCHBOARD NOT TO SCALE



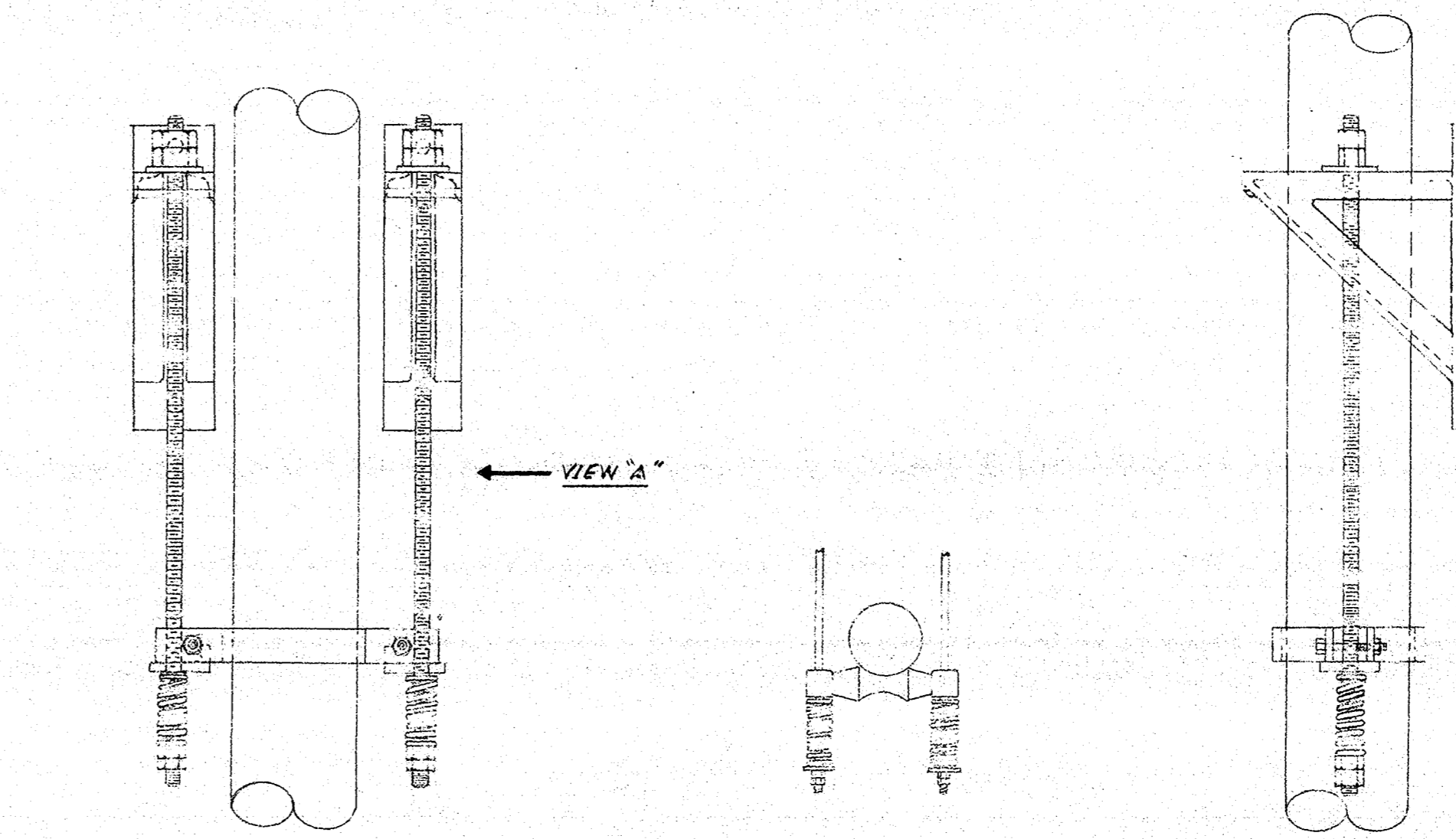
DETAIL OF THIMBLE FOR EXHAUST PASSING THRU WALL PARTITION OF FLOOR NO SCALE



ONE LINE RISER DIAGRAM OF TELEPHONE SYSTEM NO SCALE

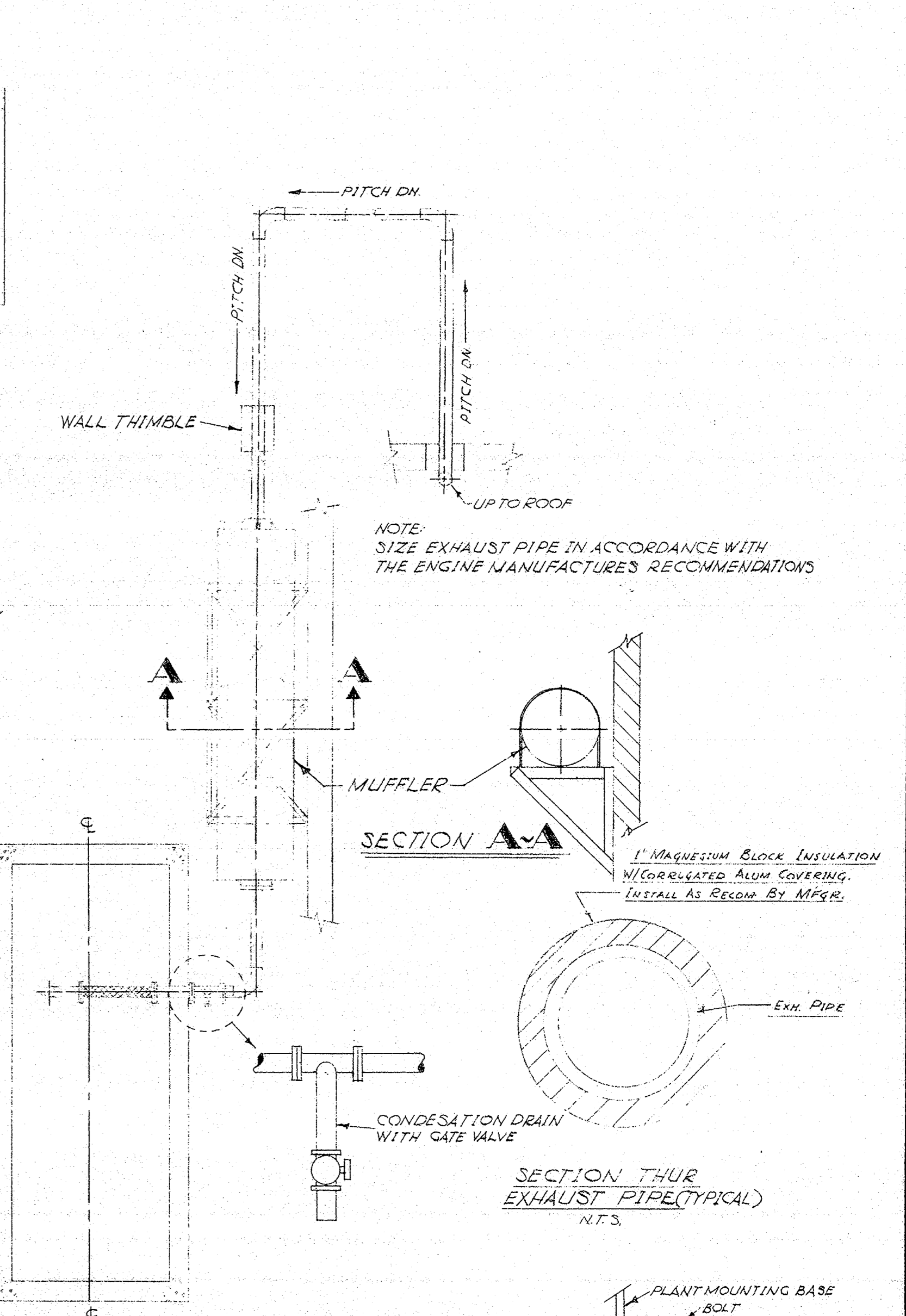


ONE LINE RISER DIAGRAM OF FIRE ALARM SYSTEM NO SCALE

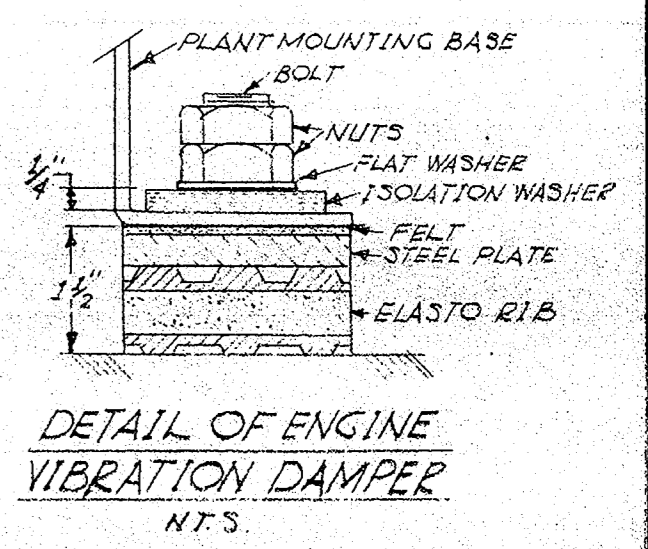


VERT. EXHAUST PIPE HNGR. DETAIL NO SCALE

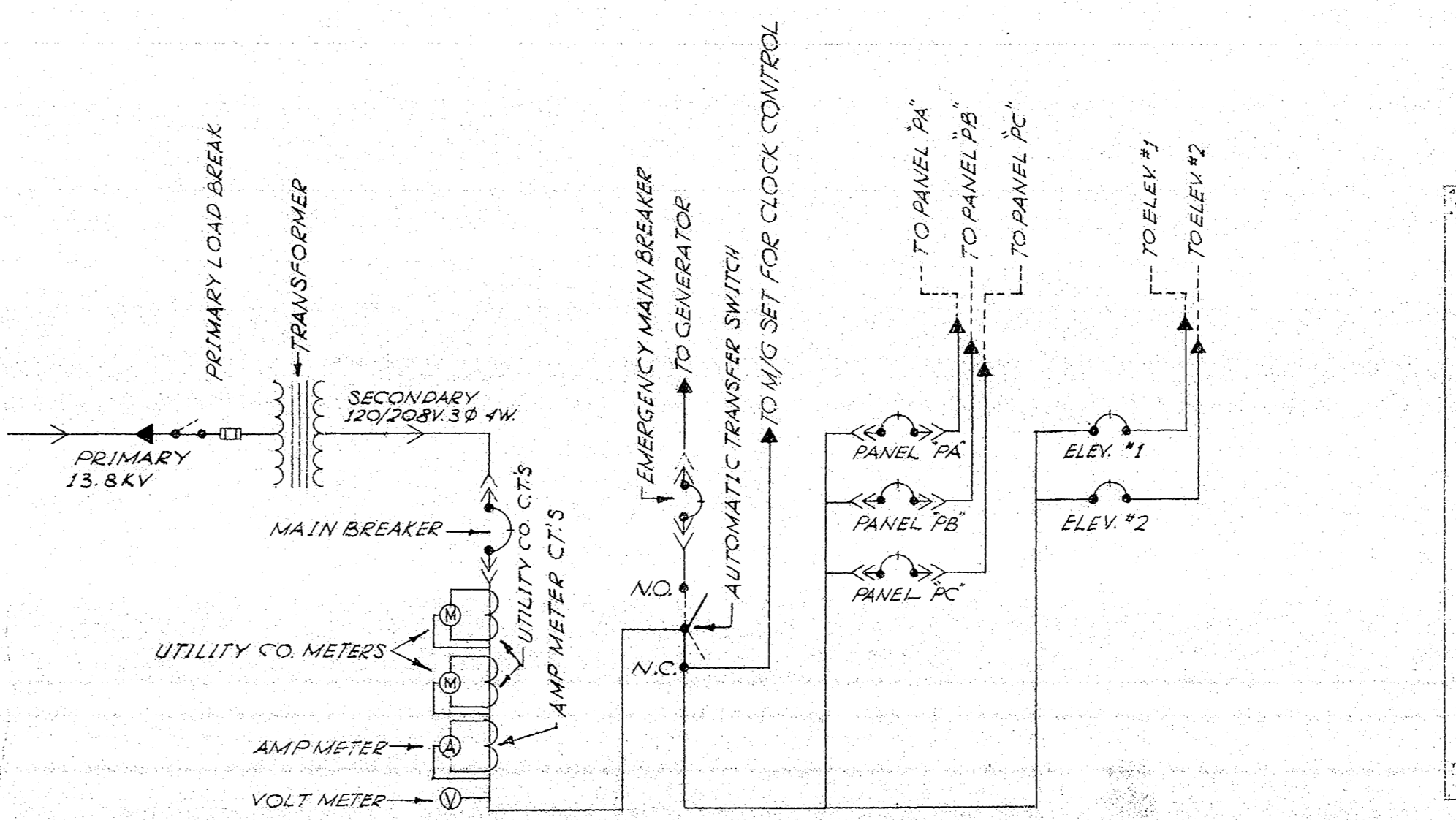
EXHAUST PIPE HNGR. DETAIL (HORIZ.) VIEW "A" NO SCALE



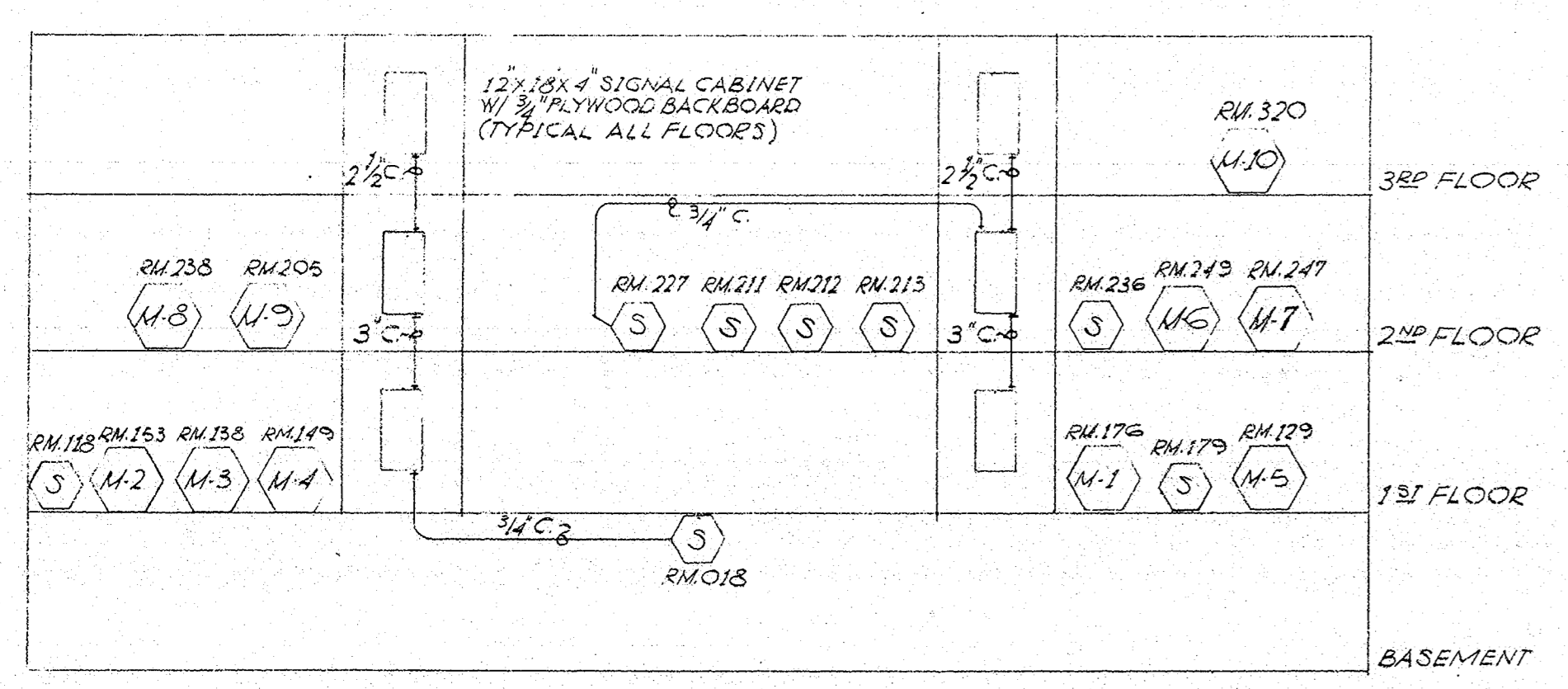
ELECT. GEN. EXHAUST SYST. SCALE: 3/16\"/>



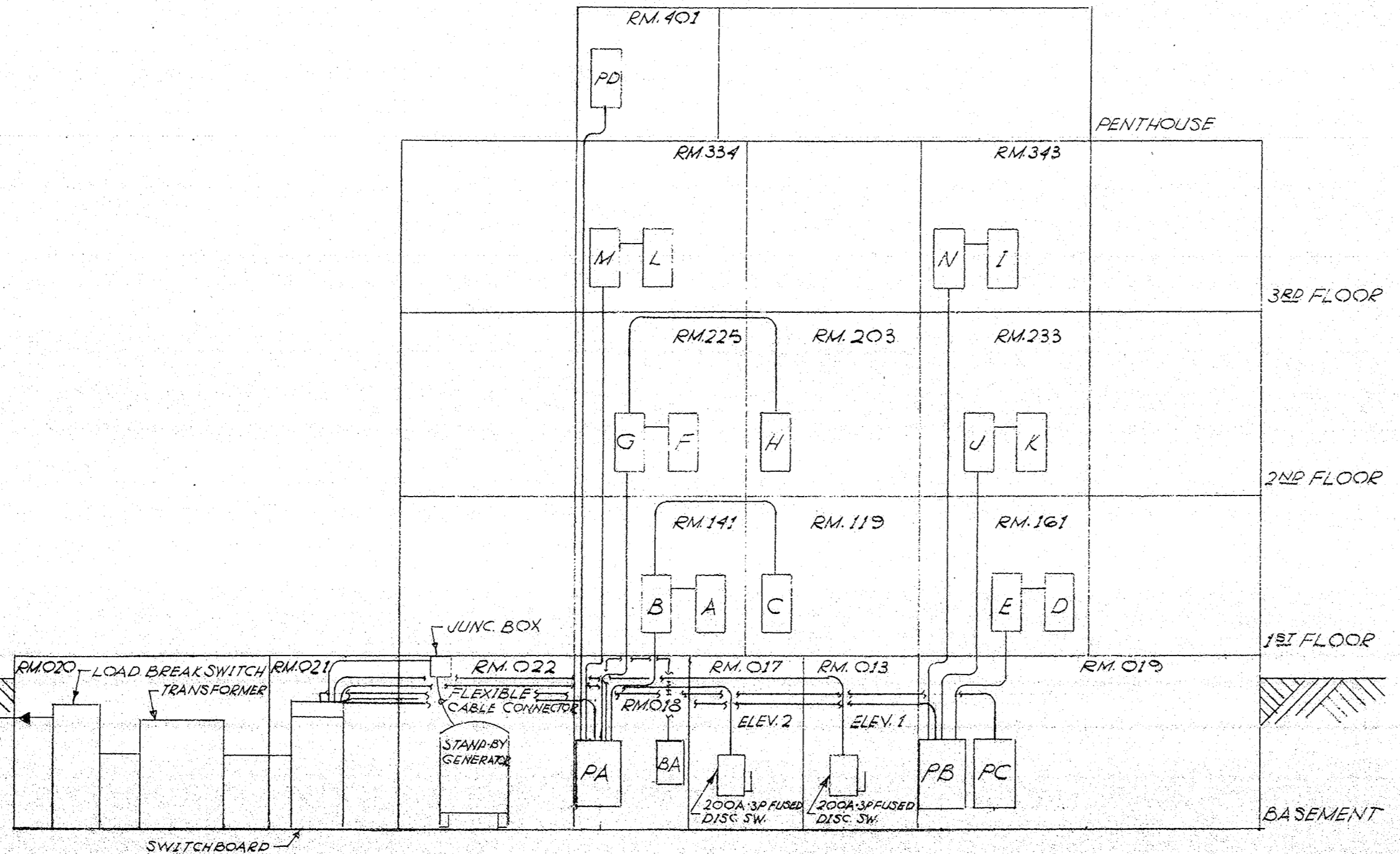
DETAIL OF ENGINE VIBRATION DAMPER N.T.S.



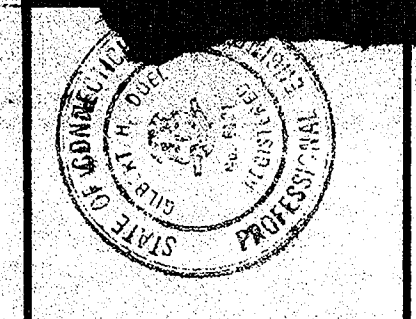
ONE LINE DIAGRAM OF PRIMARY SERVICE & SWITCHBOARD



RISER DIAGRAM OF INTERCOM & PA SYSTEM NO SCALE



RISER DIAGRAM OF ELECTRICAL DISTRIBUTION SYSTEM NO SCALE



MUNICIPAL POLICE HEADQUARTERS
AND
CIRCUIT COURT BUILDING
NEW
CONNECTICUT

MOTOR DATA & FEEDER & BREAKER SCHEDULE

Table with columns: DESIG, HORSE POWER, QUAN, FULL LOAD AMPS, TOTAL A.W., VOLTS, PHASE, WIRE SIZE, CONDUIT, FEEDER SIZE AS REQ'D, TRIP RATING, POLES, LOCATION. Lists various motor units like AHU-1, AC-1, etc.

⊙ DENOTES MOTORS TO BE MONITORED BY AUTOMATIC READ-BACK SYSTEM (SEE ALTERNATE)

PANEL SCHEDULE

Table with columns: DESIG, PANEL TYPE, TOTAL POLE, OPER, SPARE, AMPACITY, POLES, MAINS, MOUNTING, REMARKS. Lists electrical panels A through G.

FEEDER SCHEDULE

Table with columns: FROM, TO, TRANSFER VAULT, WIRE SIZE, CONDUIT, AMPACITIES, REMARKS. Lists feeders from streetline to various panels.

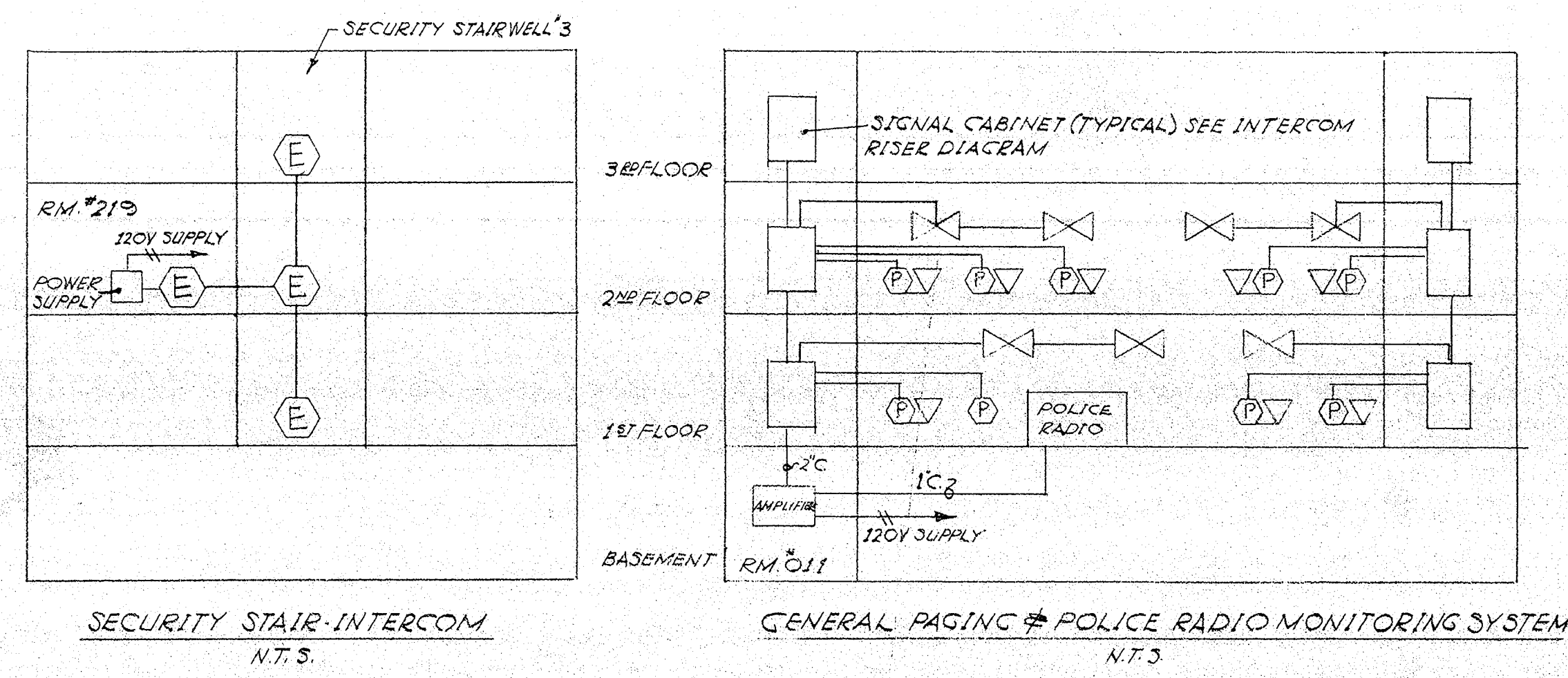
SYMBOL LIST

- SYMBOL DESCRIPTION: FLOOR/CEILING FIXTURE, WALL BRACKET, SIGNAL CABINET, etc.

LIGHTING FIXTURE SCHEDULE

Table with columns: TYPE, MANUFACTURE, CAT. NO., LAMP TYPE, WATTAGE, REMARKS. Lists lighting fixtures like AA, AS, AR, etc.

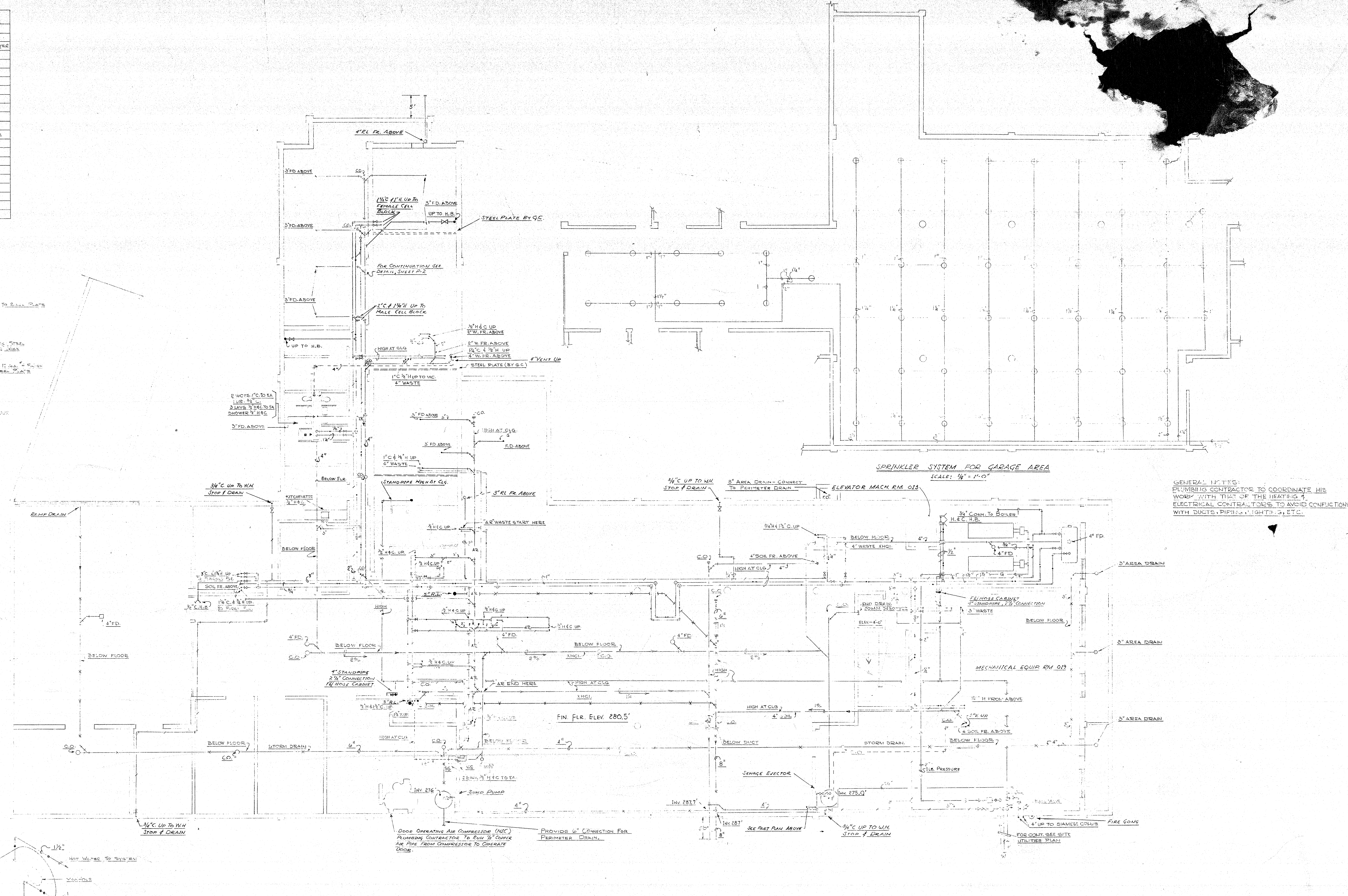
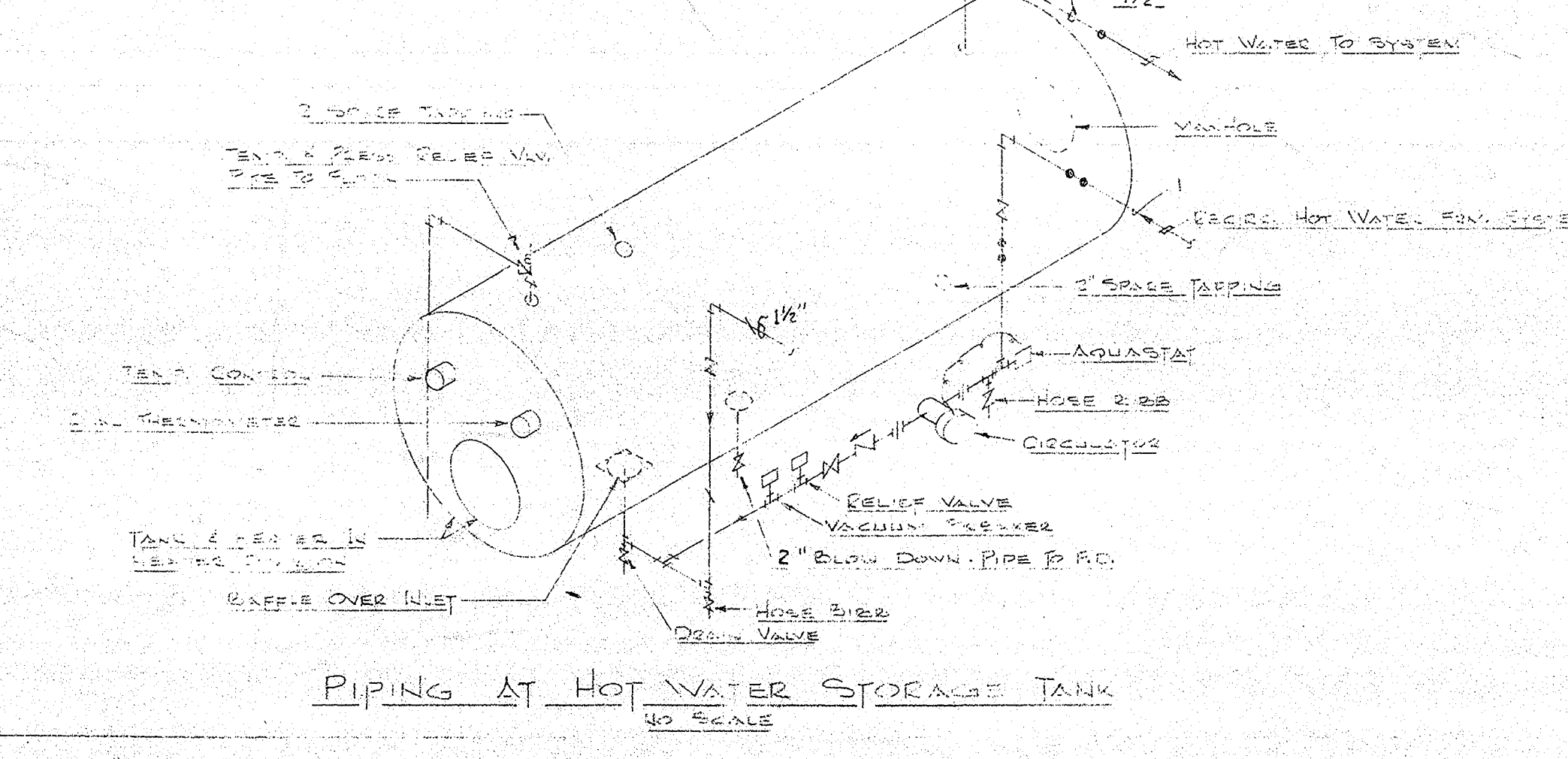
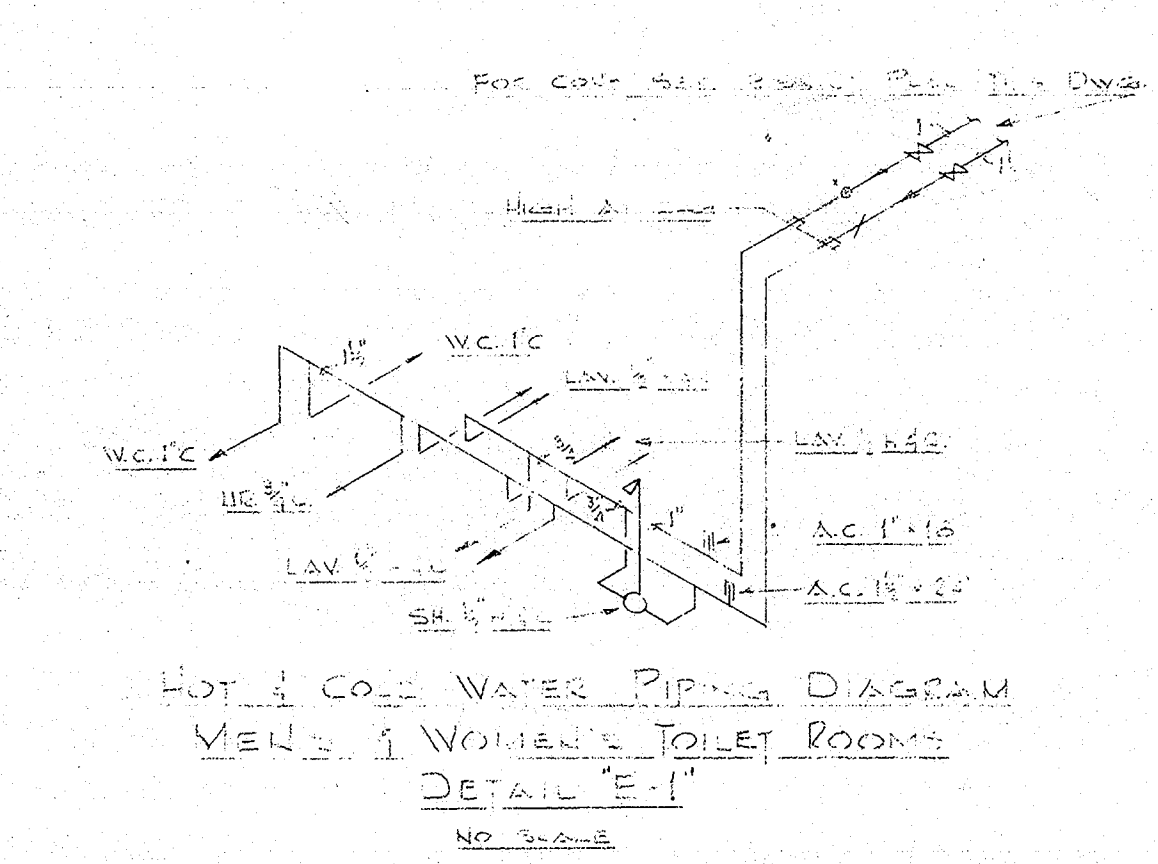
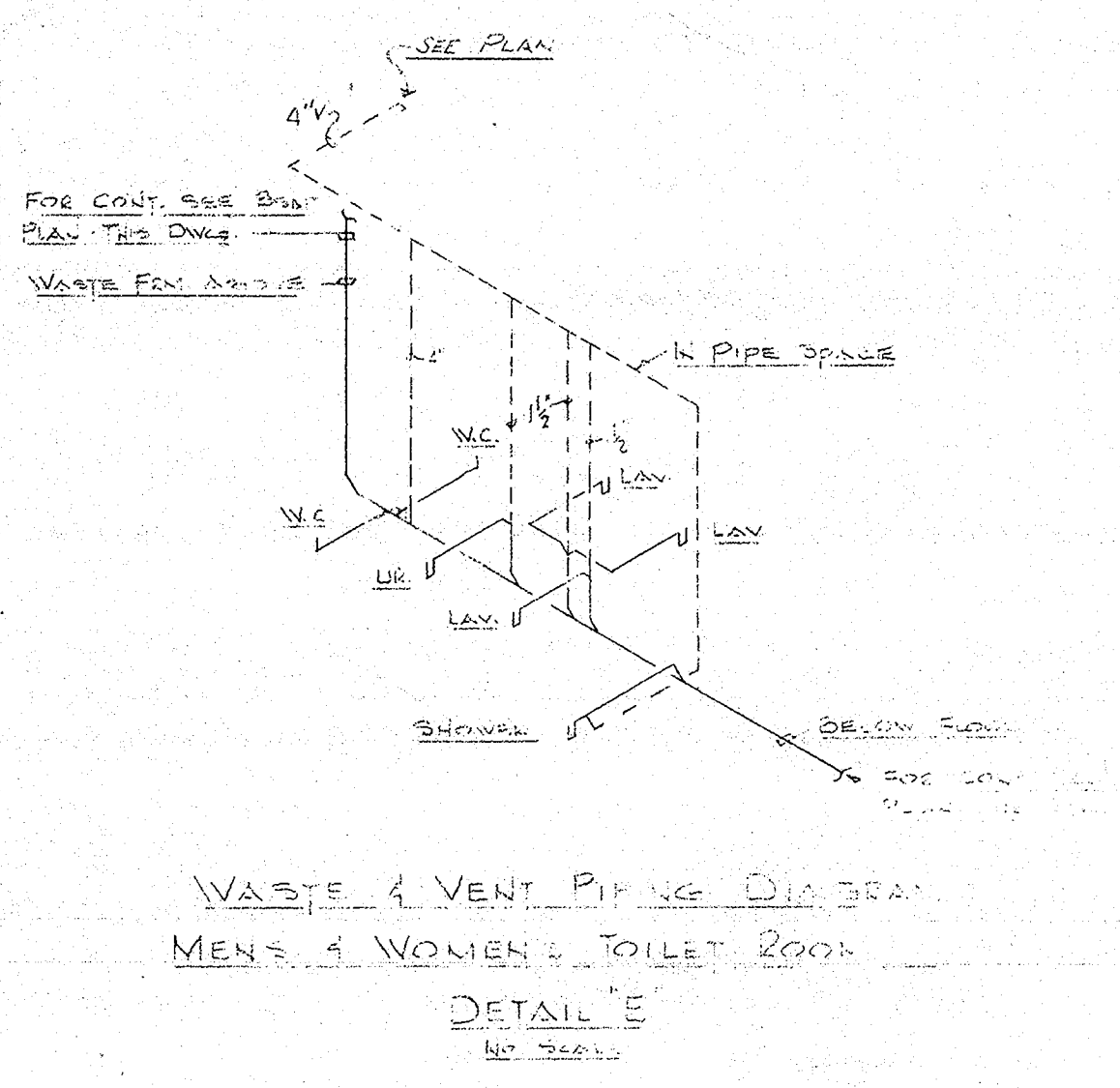
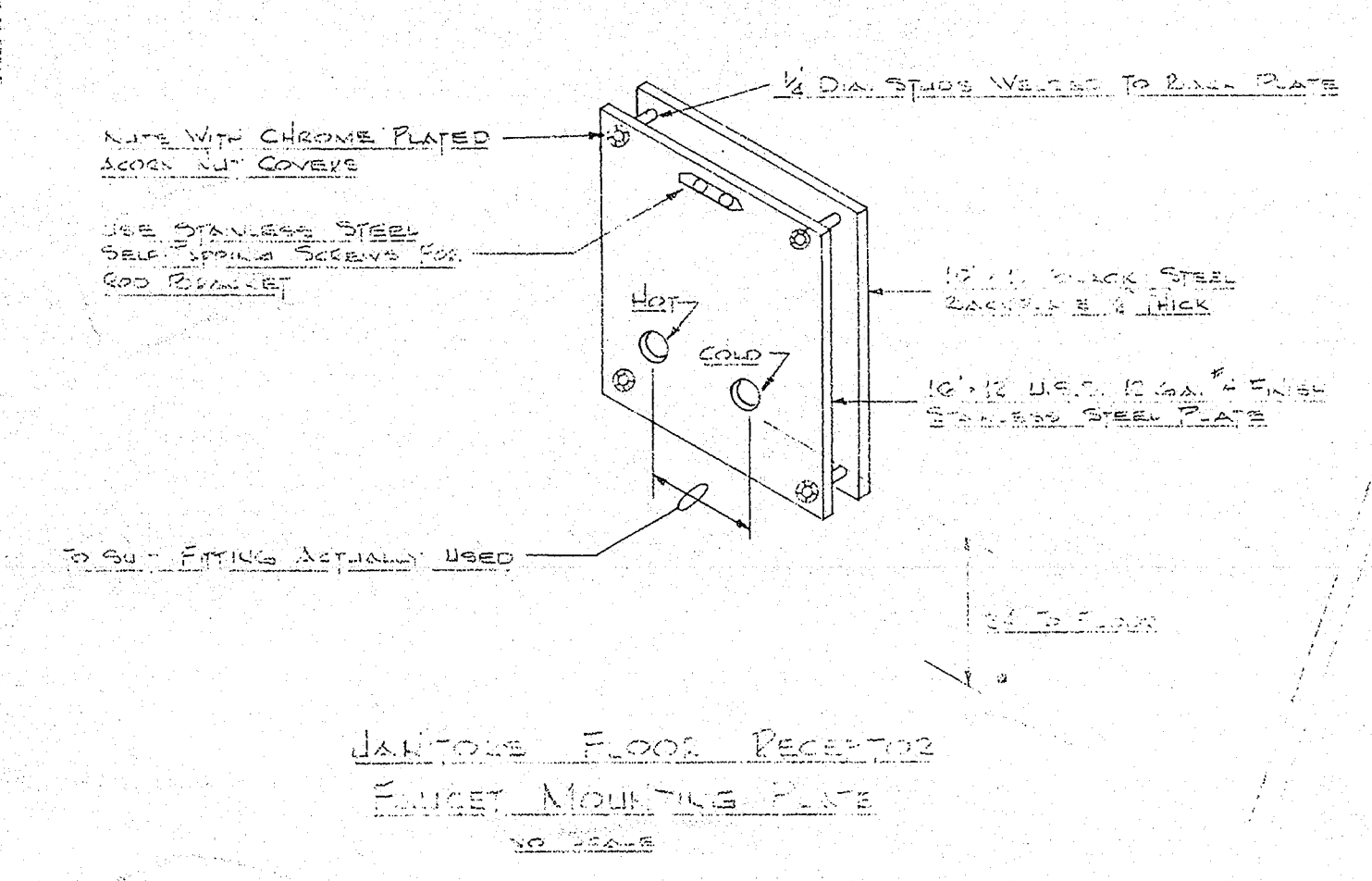
GENERAL NOTES (LIGHTING FIXTURES)
1. ALL FLUORESCENT LIGHTING FIXTURE BALLAST SHALL BE RAPID START, HPF TYPE. ALL BALLAST SHALL HAVE UL, CBM #E7L LABELS ATTACHED TO EACH BALLAST.



DATE OCT. 1, 1966
SHEET NO. E-10

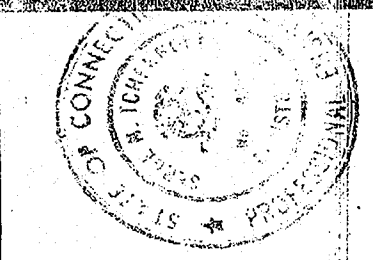
ARCHITECTS
HIRSCH, HAMBERG & KAESTLE
NEW BRITAIN, CONNECTICUT

ABBREVIATIONS & SYMBOLS	
W.C. - WALL HUNG WATER CLOS.	— COLD WATER
W.C.F.S. - FLOOR SET WATER CLOSURE	— HOT WATER
LAV. - LAVATORY	— RECIRCULATING HOT WATER
F.D. - FLOOR DRAIN	— SYPHON DRAIN
R.D. - ROOF DRAIN	— SOIL & WASTE
S.S. - SERVICE SINK	— VENT
C.W. - COLD WATER	— PITCH DOWN
H.W. - HOT WATER	— DIRECTION OF FLOW
C.O. - CLEAN OUT	— G.A.S.
W.H. - WALL HYDRANT	— CHECK VALVE
C.V. - CARRY OVER	— GATE VALVE
A.C. - AIR CONDENSER	— BALL COCK
D.A. - DRINKING FOUNTAIN	— A.R. - ACID RESISTANT WASTE
P.S. - PIPE SPACE	— C.O. - CLEAN OUT
H.B. - HOSE BIB	— UNION
S.H. - SHOWER	
O.P. - OPERATIONAL	
W. - WASTE	
R.L. - RAIN LEADER	
X.H.C.T. - EXTRA HEAVY CAST IRON	
V. - VENT	



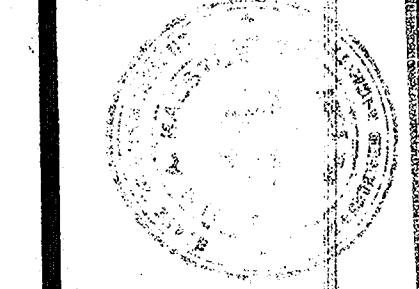
GENERAL NOTES:
 PLUMBING CONTRACTOR TO COORDINATE HIS WORK WITH THAT OF THE HEATING & ELECTRICAL CONTRACTORS TO AVOID CONFLICTS WITH DUCTS, PIPING, LIGHTING, ETC.

MUNICIPAL POLICE HEADQUARTERS AND CIRCUIT COURT BUILDING
 NEW BRITAIN CONNECTICUT
 ARCHITECTS
 HIRSCH - HAMMERBERG - KAESTLE
 100 WASHINGTON STREET - NEW BRITAIN, CONN. - TEL. 909-0001
 DATE OCT. 1, 1966
 SHEET NO. P-1

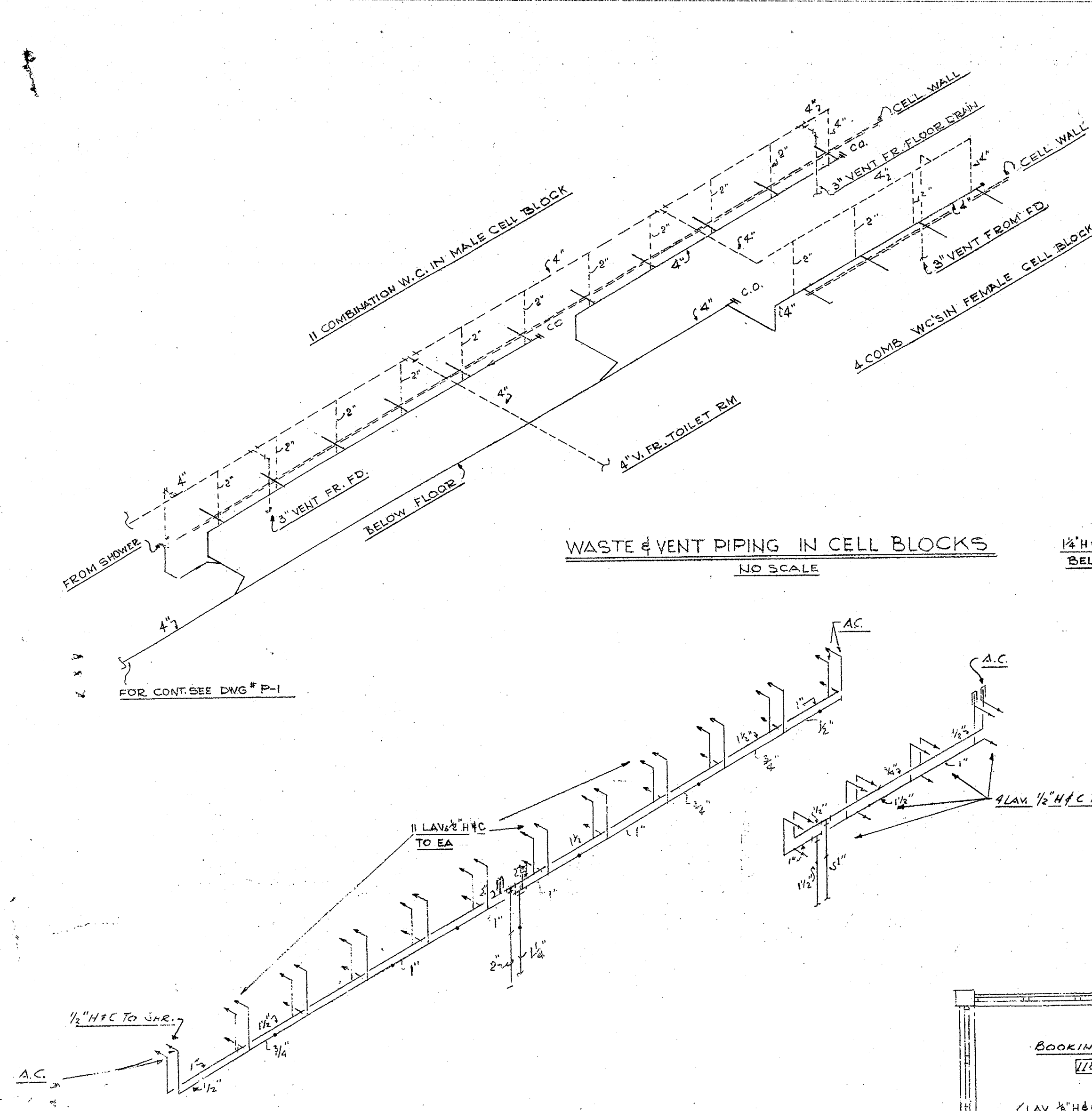


MUNICIPAL POLICE HEADQUARTERS
AND CIRCUIT COURT BUILDING
NEW BRITAIN CONNECTICUT

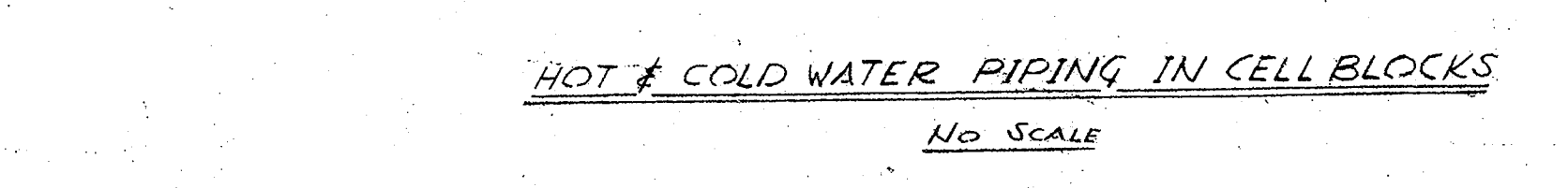
DATE OCT. 1, 1966
SHEET NO. P-2



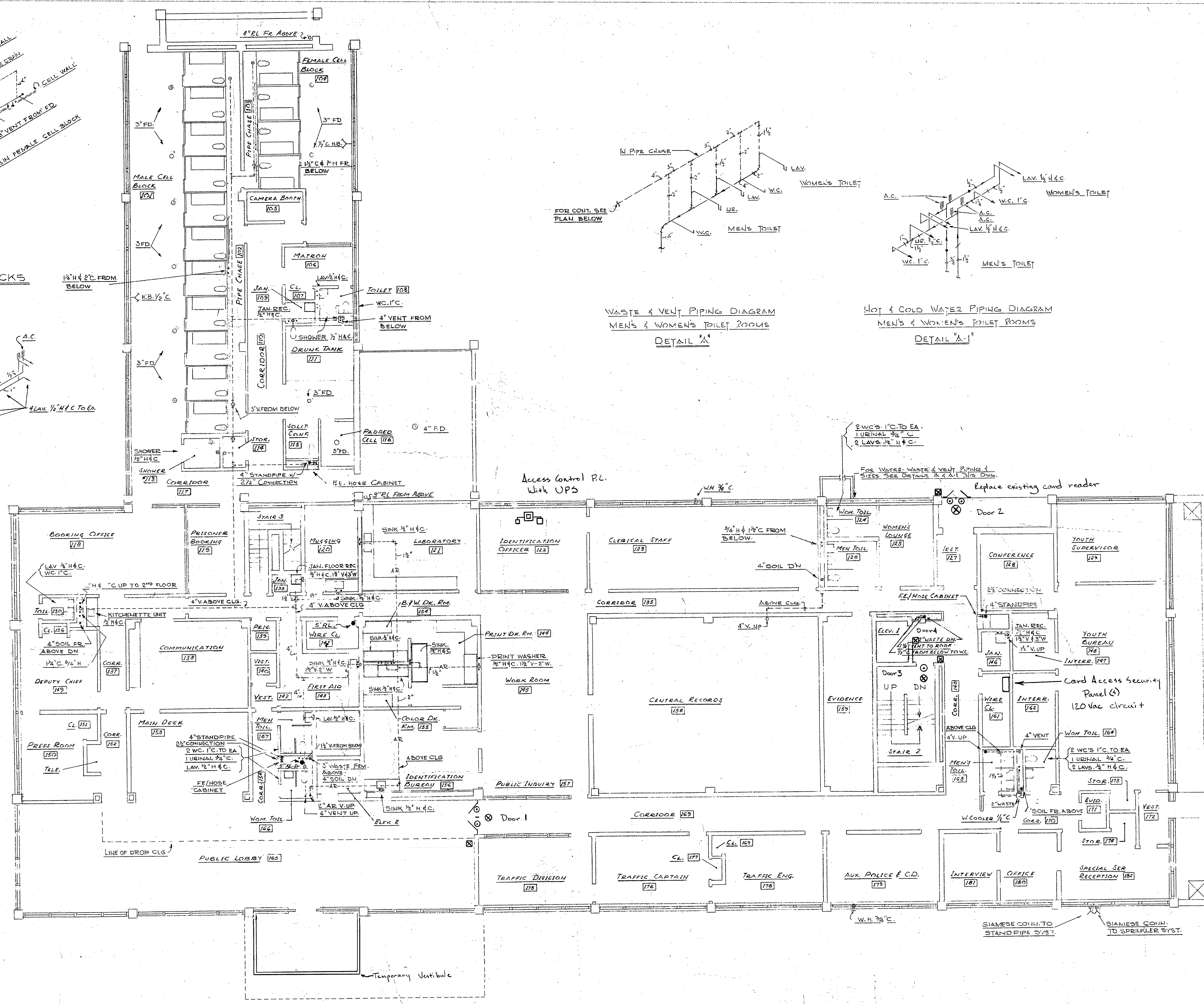
ARCHITECTS
NEW BRITAIN
HIRSCH • HAMMERBERG • KAESTLE



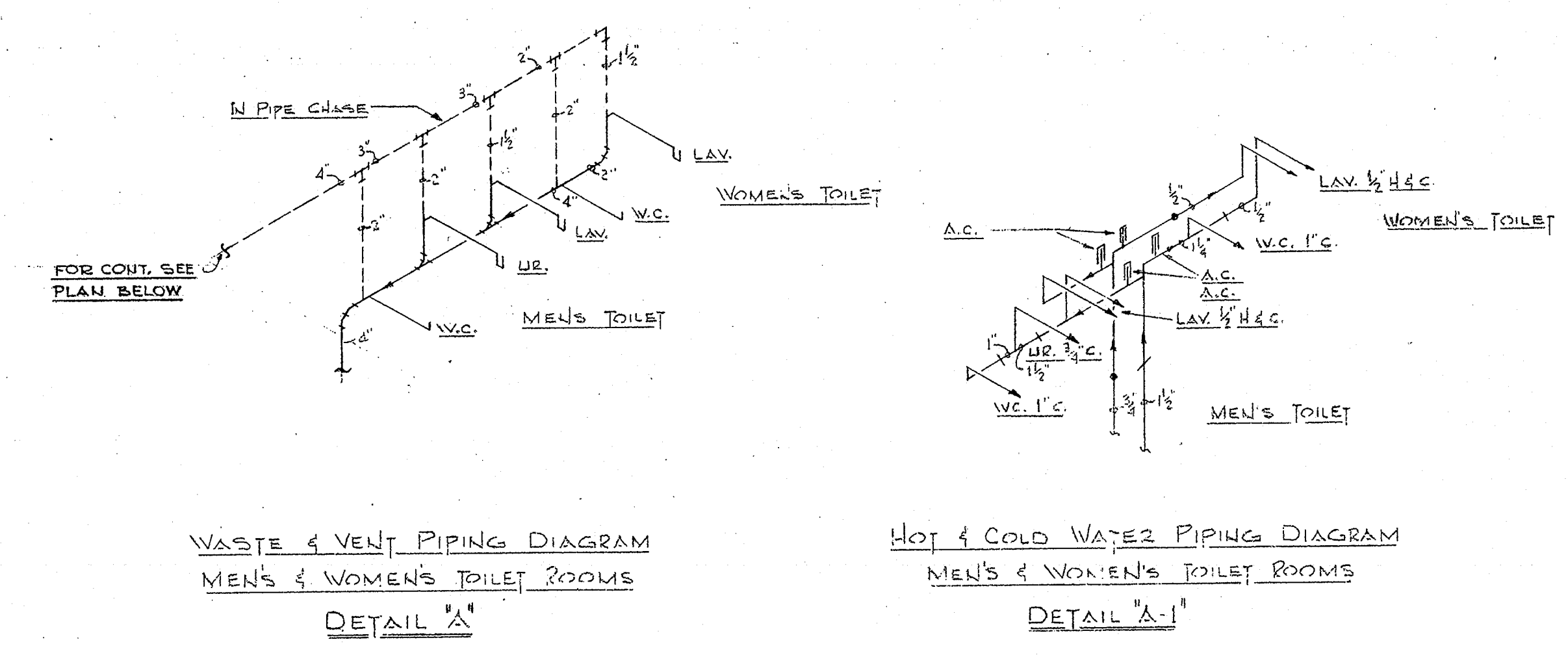
WASTE & VENT PIPING IN CELL BLOCKS
NO SCALE



HOT & COLD WATER PIPING IN CELL BLOCKS
NO SCALE



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



WASTE & VENT PIPING DIAGRAM
MEN'S & WOMEN'S TOILET ROOMS
DETAIL 'A'

HOT & COLD WATER PIPING DIAGRAM
MEN'S & WOMEN'S TOILET ROOMS
DETAIL 'A-1'

NOTES:
PLUMBING CONTRACTOR TO COORDINATE PIPING LOCATION WITH HEATING, AIR CONDITIONING, AND ELECTRICAL CONTRACTORS.

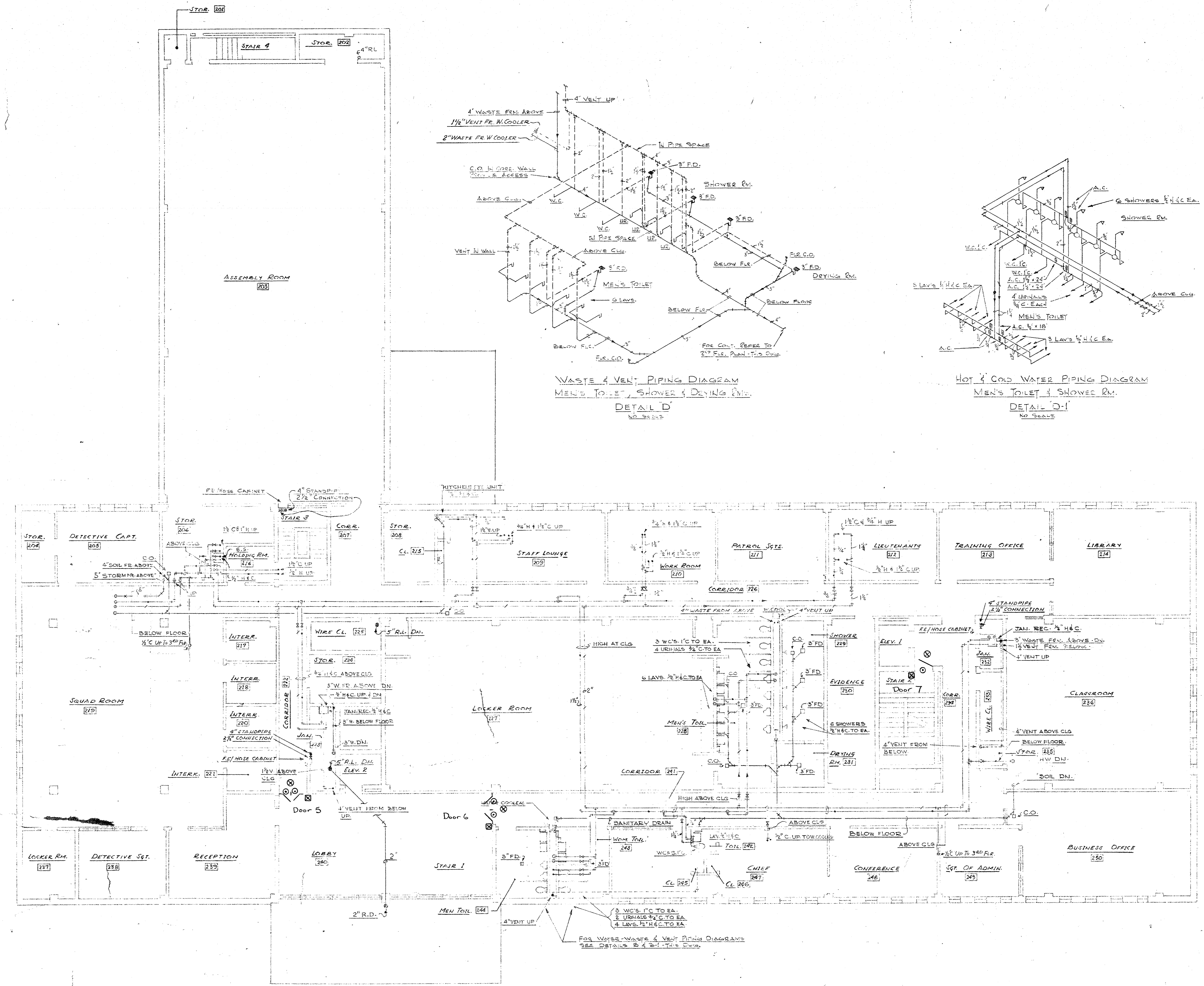
- Key
- Proximity Card Reader
 - Alarm Control
 - ⊗ Passive Infrared Door Alarm Shunt
 - △ Electric Strike
- Install all of the above for doors 1, 2, 3, 5, 6 & 7

Sign to be installed on wall next to each elevator reads: Elevator For Use of Police and Court Personnel Only.

MUNICIPAL POLICE HEADQUARTERS
AND CIRCUIT COURT BUILDING
NEW BRITAIN CONNECTICUT

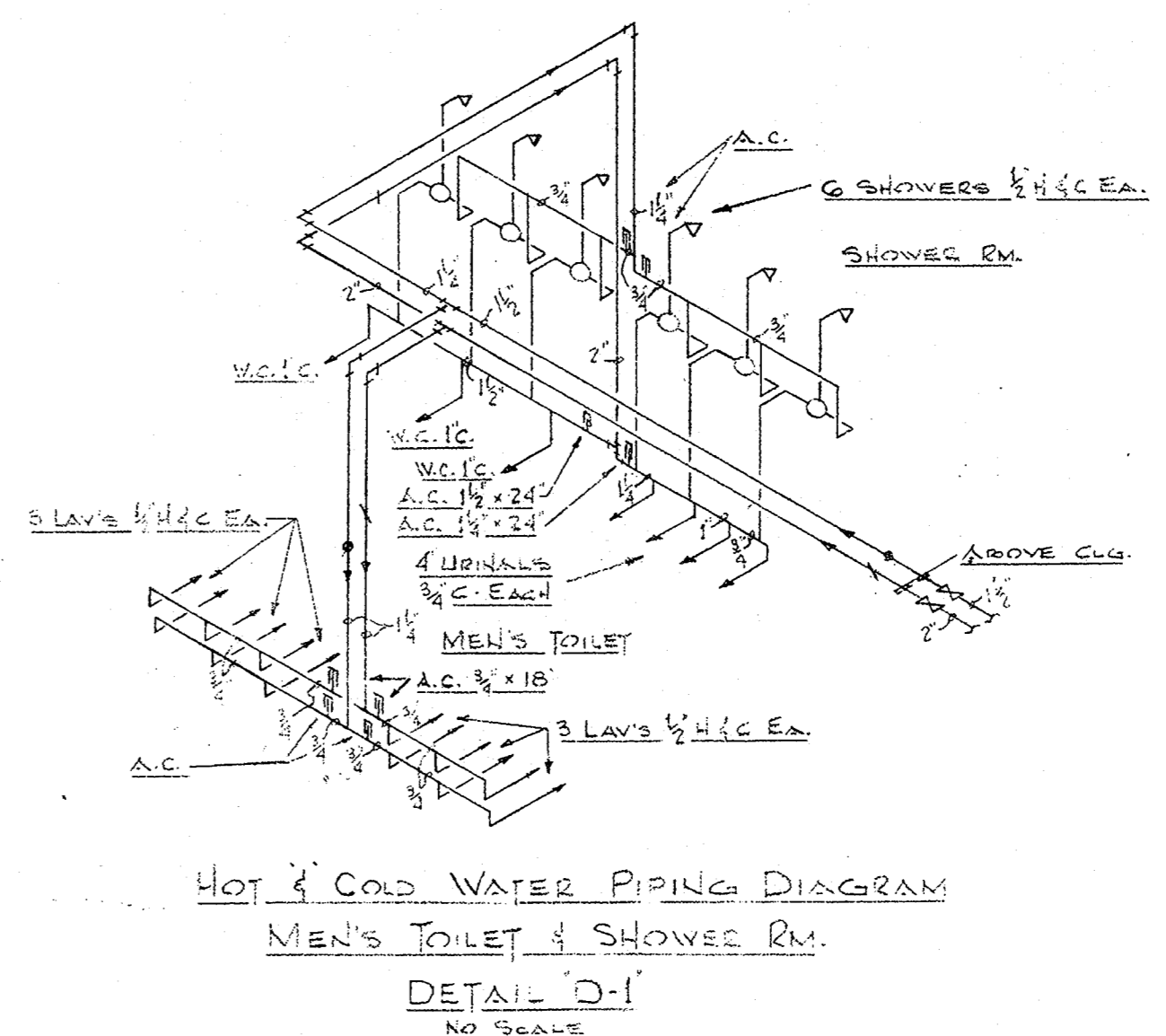
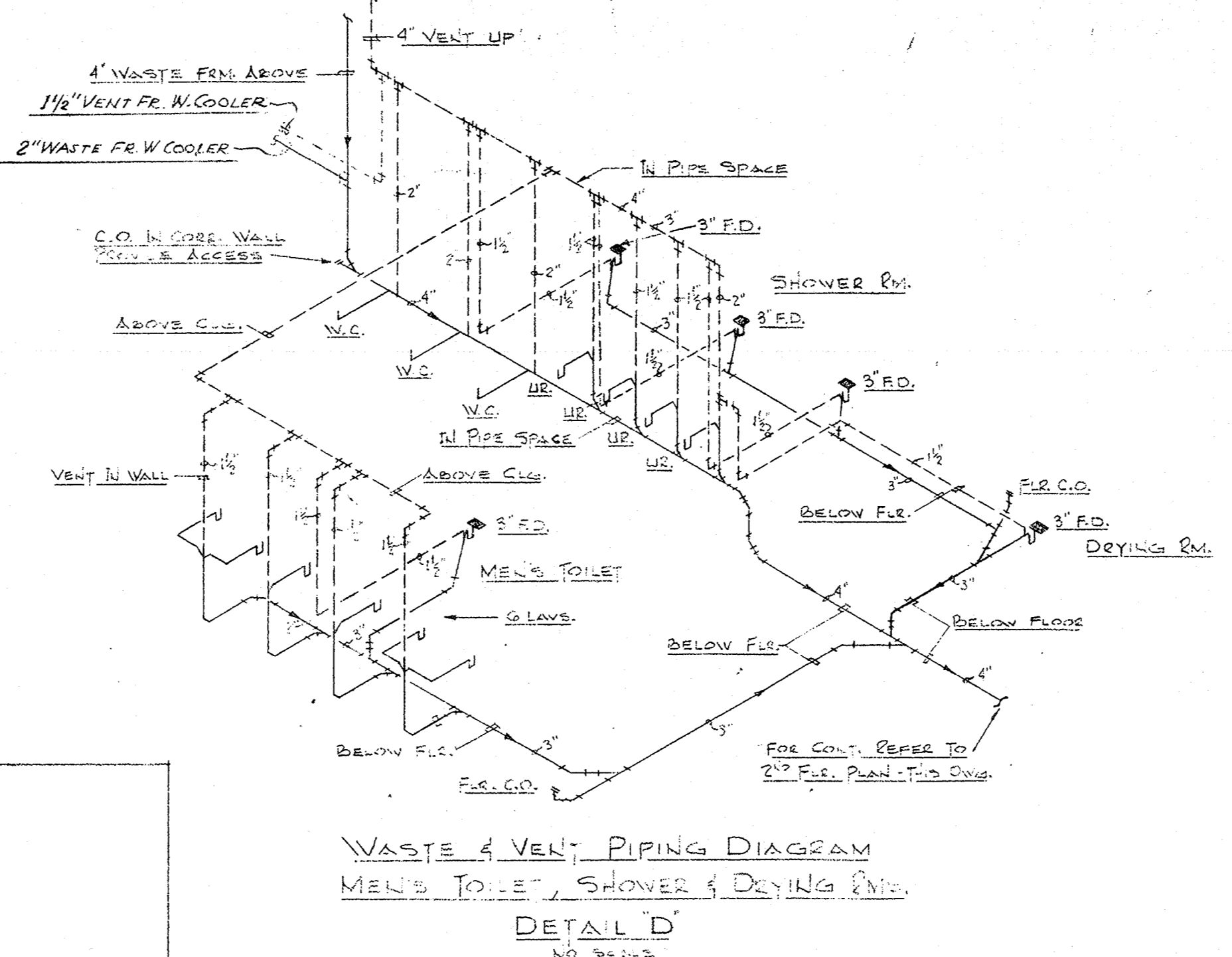
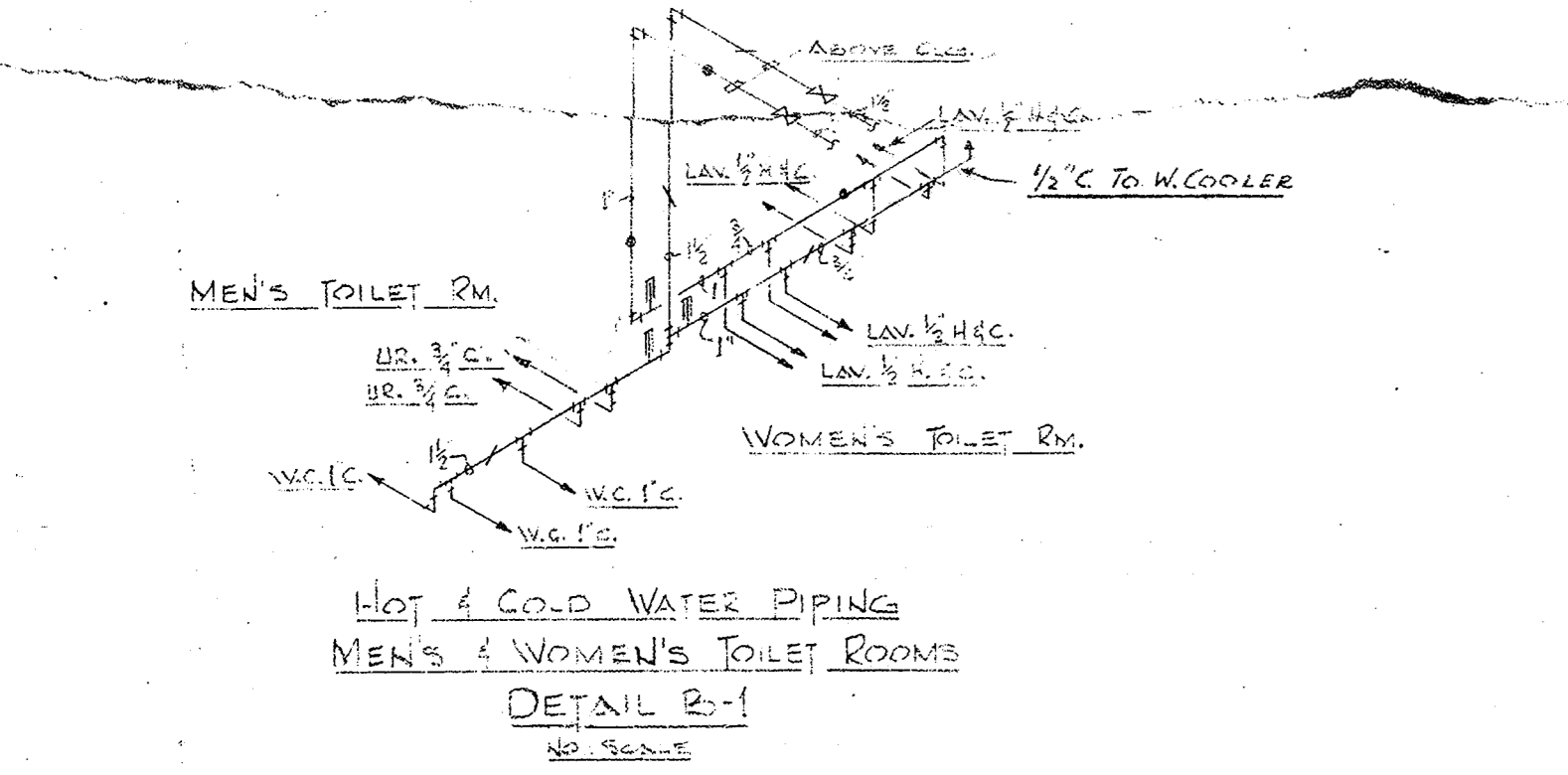
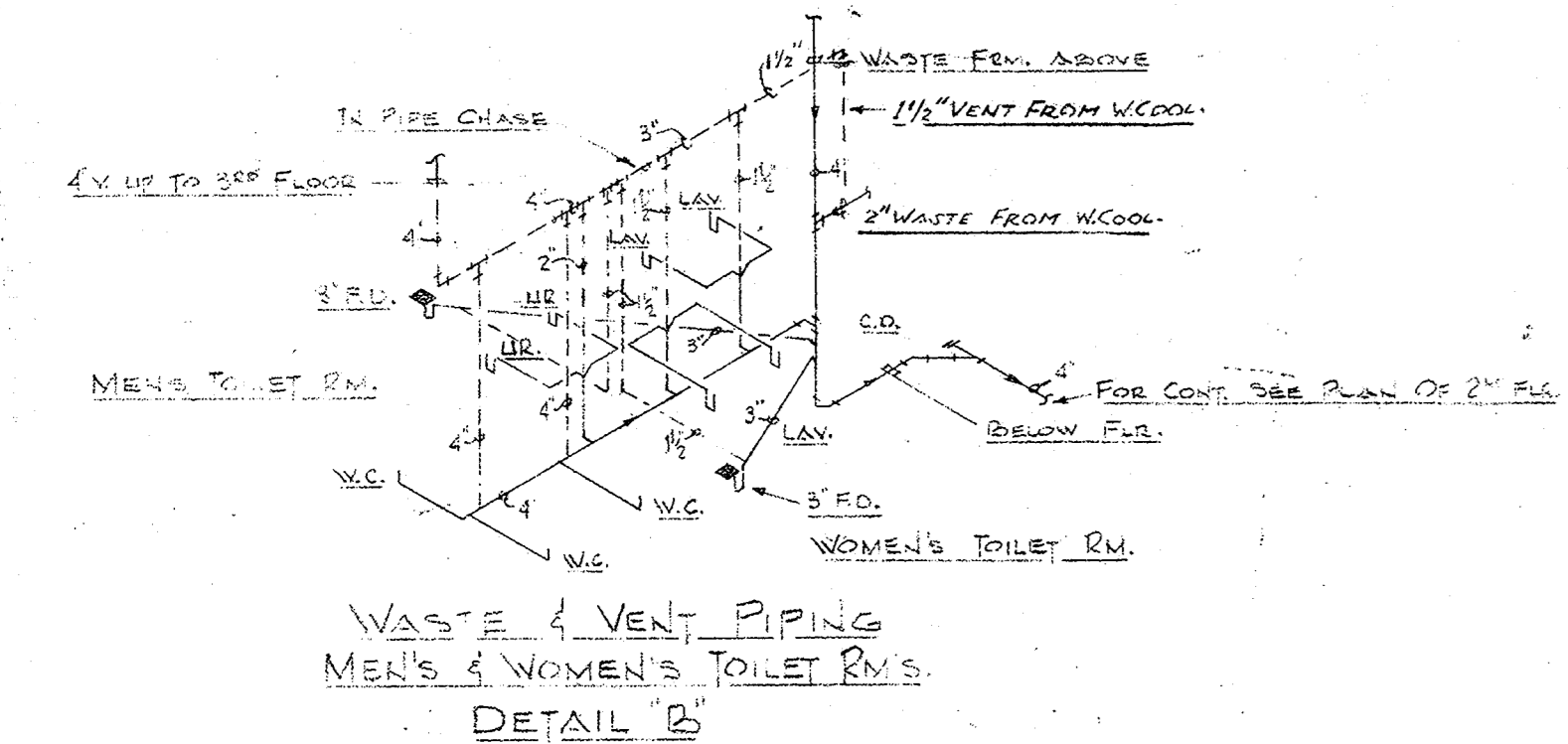
DATE OCT. 1, 1966
SHEET NO. P-3

ARCHITECTS
NEW BRITAIN
CONNECTICUT

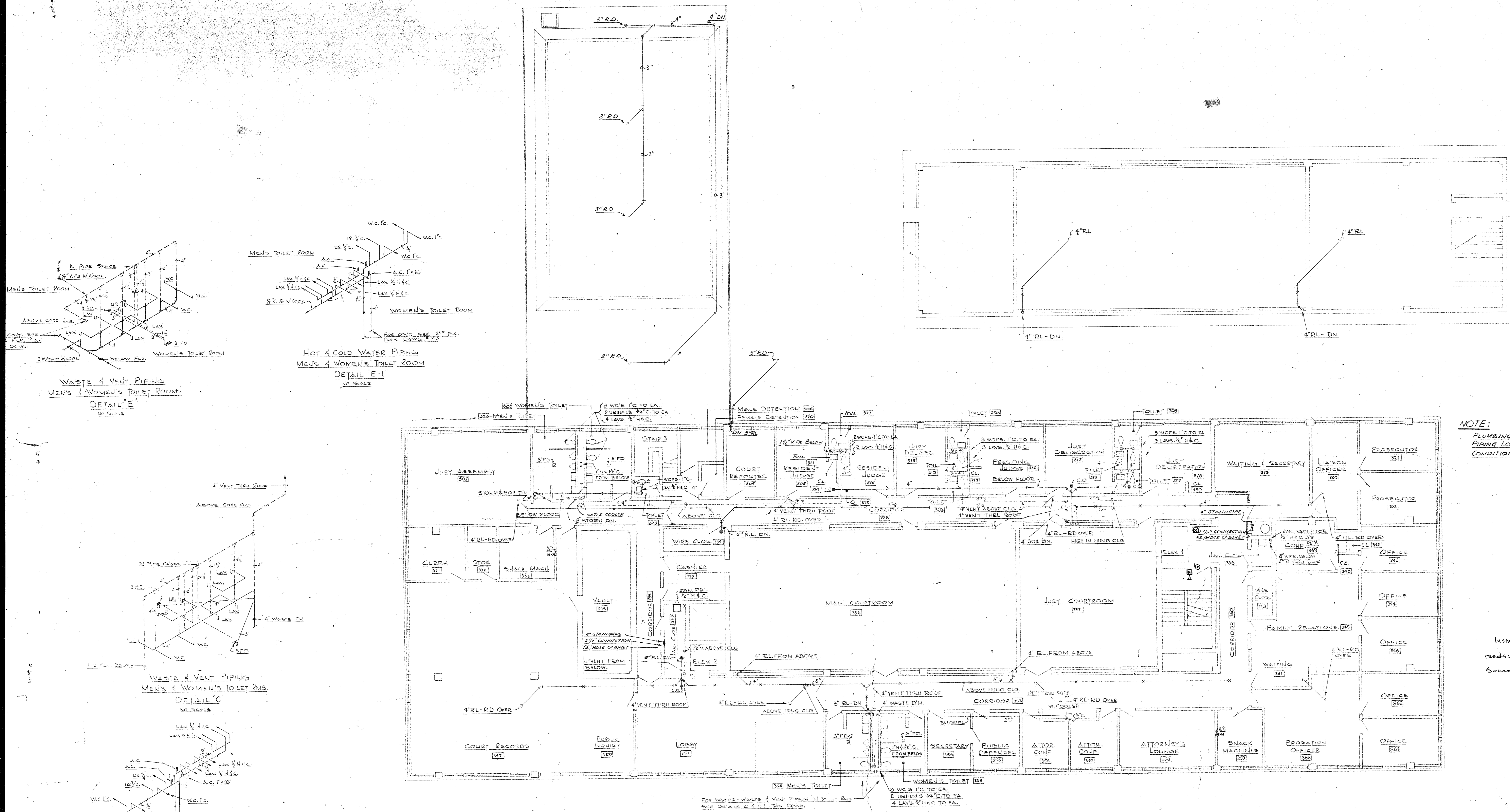


SECOND FLOOR PLAN
SCALE 3/8" = 1'-0"

NOTE:
PLUMBING CONTRACTOR TO COORDINATE PIPING
LOCATION WITH HEATING, AIR CONDITIONING, AND
ELECTRICAL CONTRACTORS.



MUNICIPAL POLICE HEADQUARTERS
AND CIRCUIT COURT BUILDING
NEW BRITAIN CONNECTICUT



NOTE:
PLUMBING CONTRACTOR TO COORDINATE
PIPING LOCATION WITH HEATING, AIR
CONDITIONING, & ELECTRICAL CONTRACTORS.

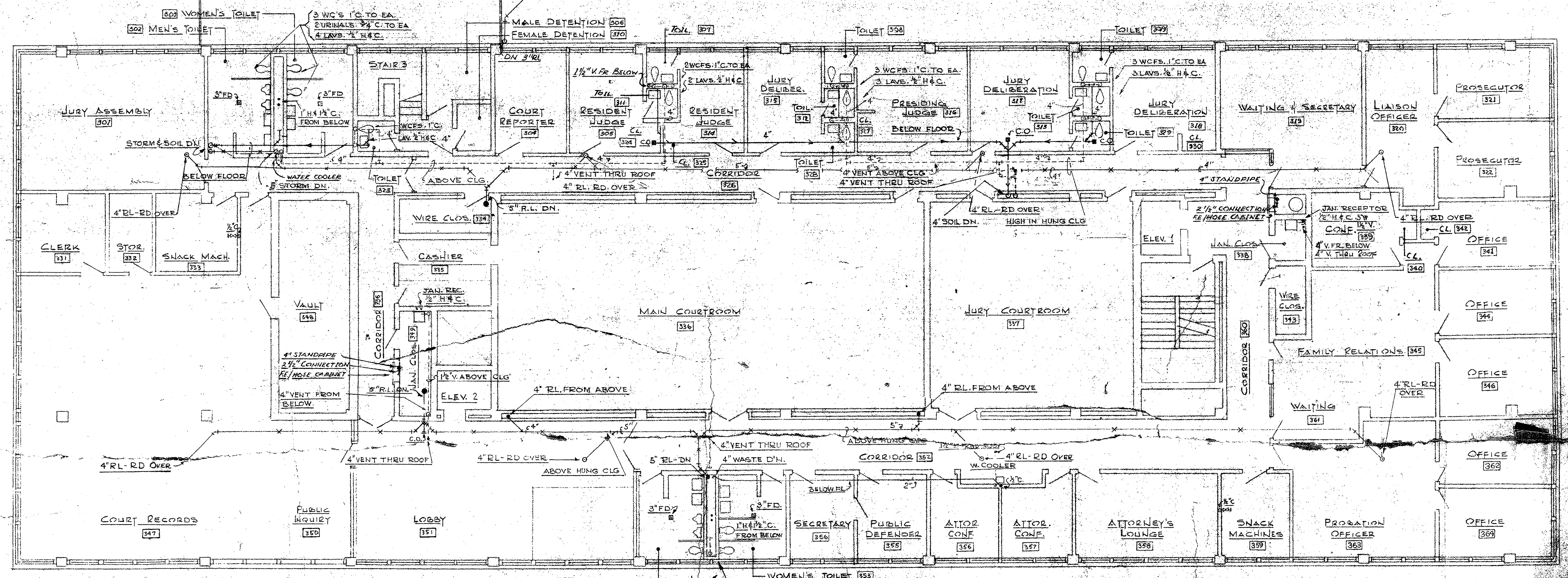
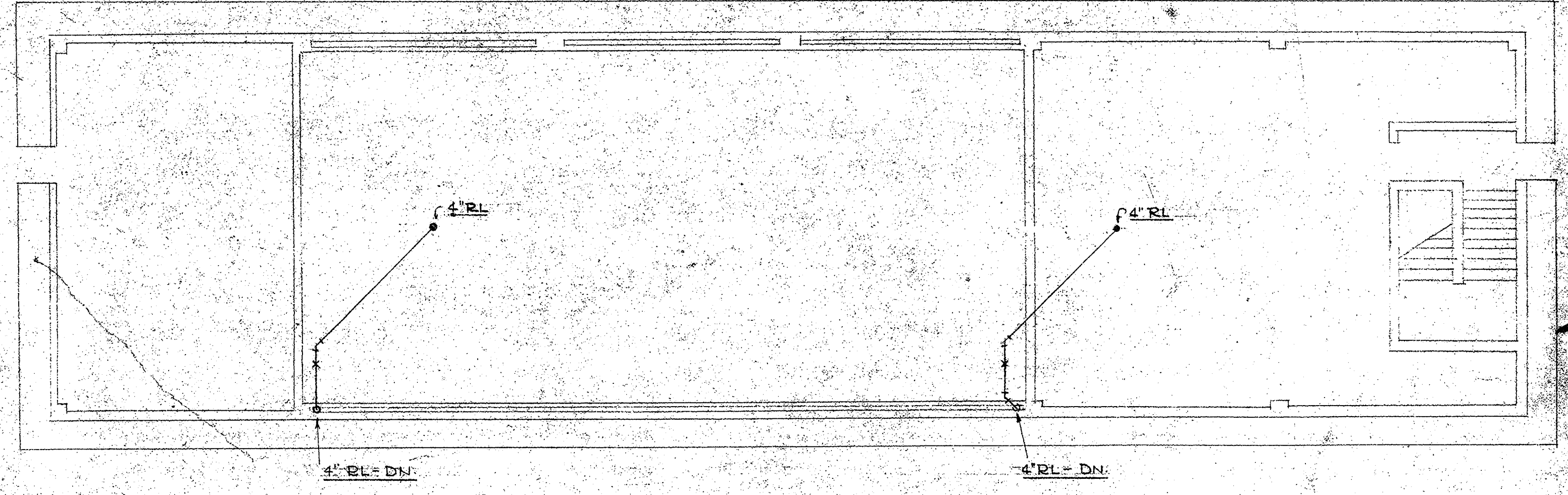
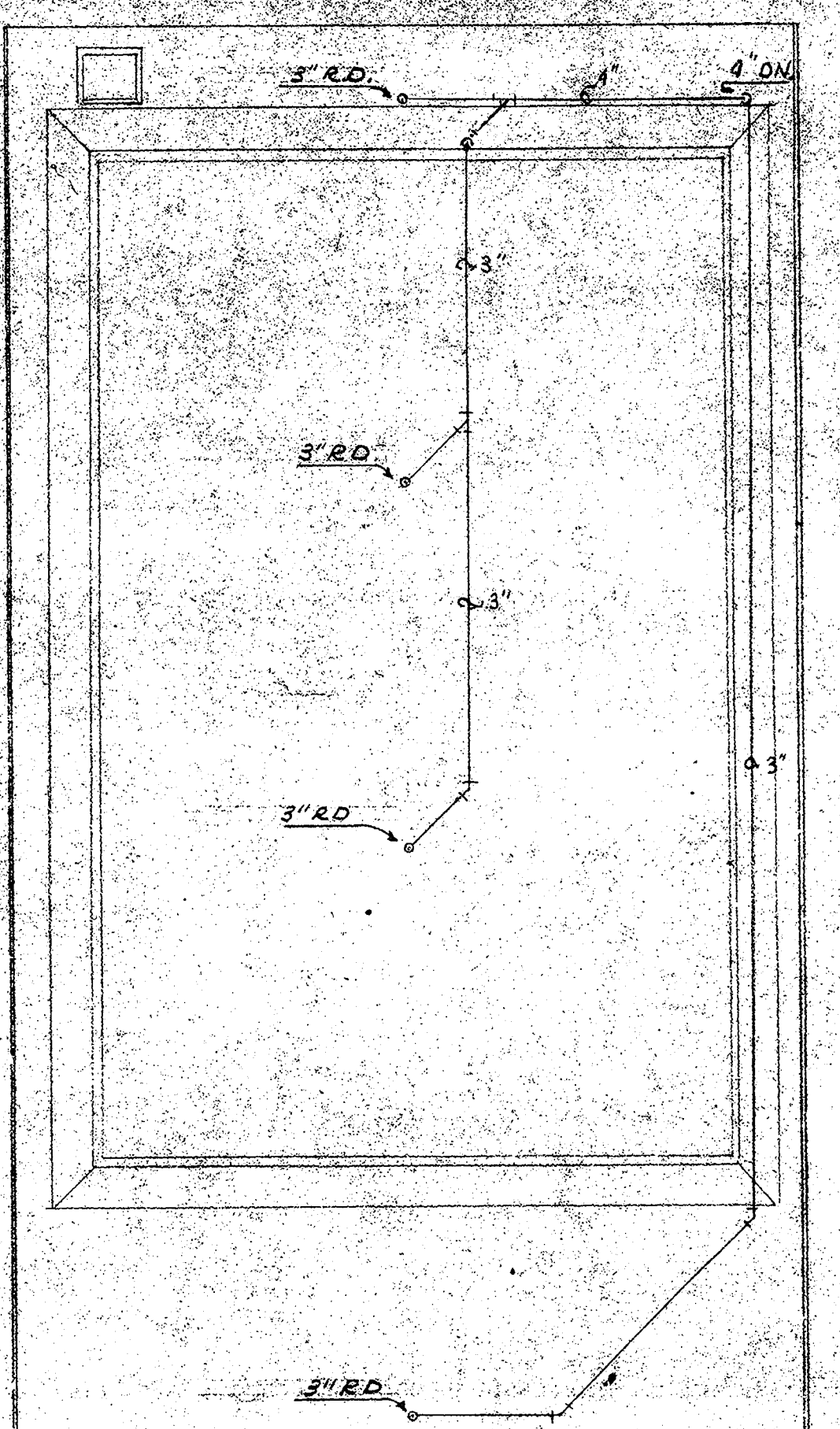
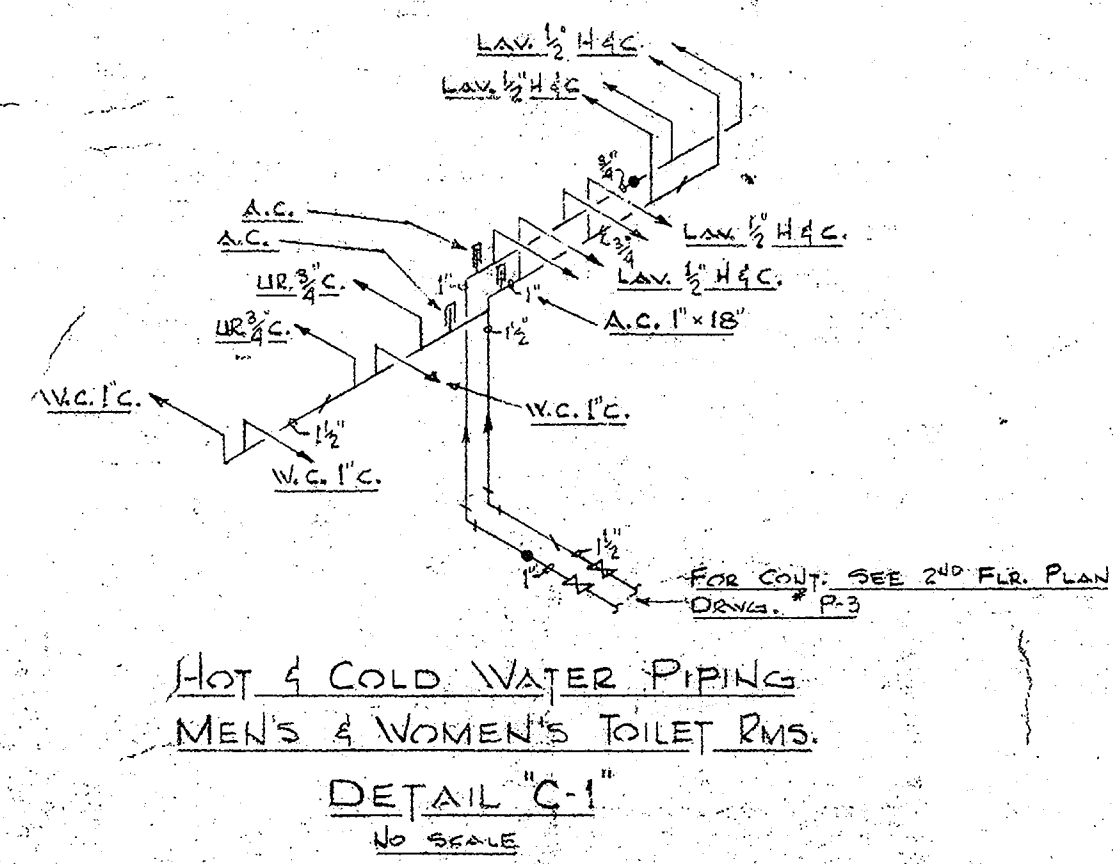
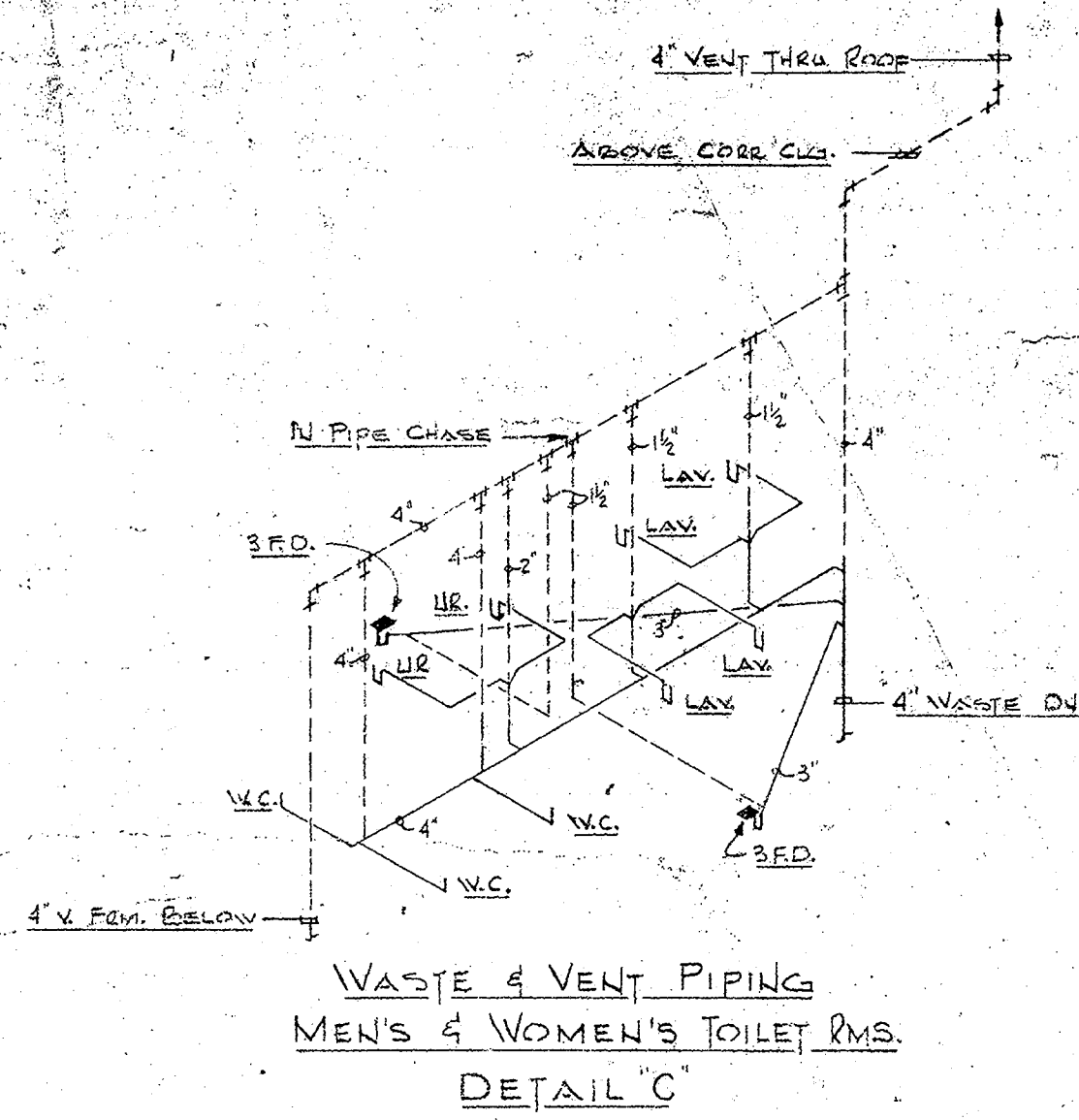
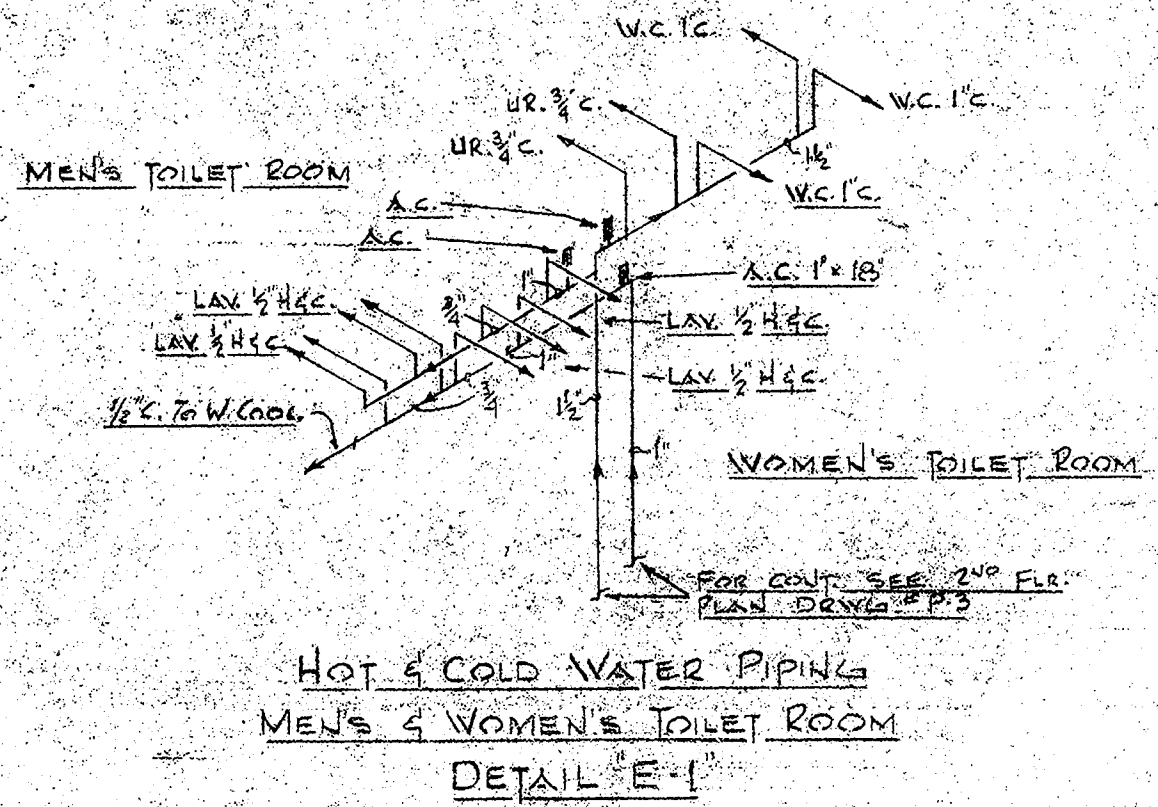
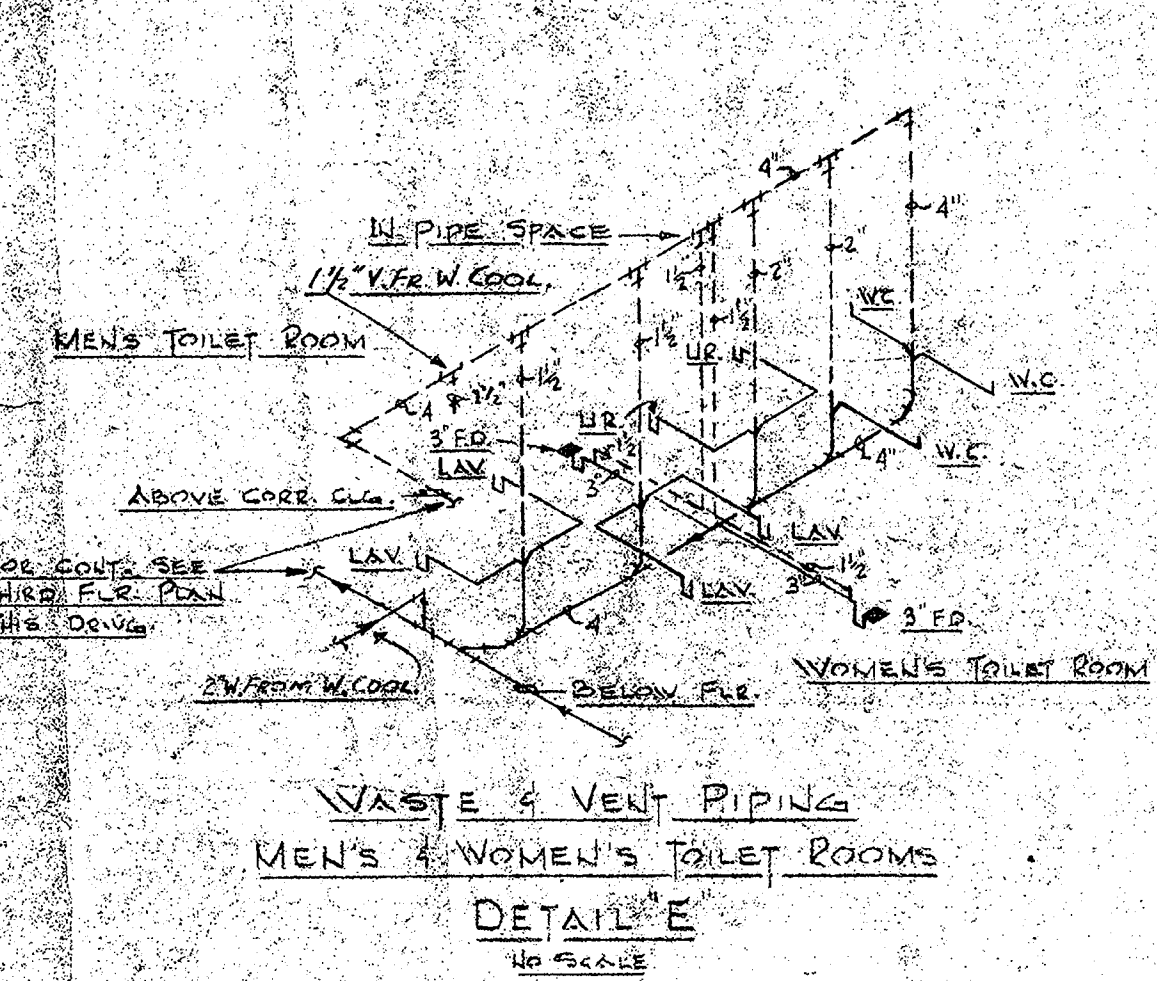
Install sign on 3rd Floor door that
reads: "Emergency Exit Only - Alarm Will
Sound"

THIRD FLOOR PLAN
SCALE 1/4" = 1'-0"

DATE
OCT. 1, 1968
SHEET NO.
P-4



ARCHITECTS
HIRSCH • HAMMERBERG • KAESTLE
115 E. HEDGE STREET - NEW BRITAIN, CONN. TEL. 939-0301



NOTE:
PLUMBING CONTRACTOR TO
PIPING LOCATION WITH HEAT
CONDITIONING & ELECTRICAL

THIRD FLOOR PLAN
SCALE 1/4" = 1'-0"

PAL CIRCUIT BUILDING