

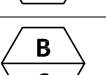
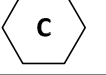
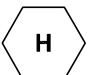
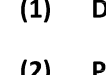
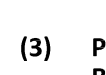
-- WALL MOUNT HEAT PUMP SCHEDULE --										
ITEM	SUPPLY CFM	ESP (IN. WG)	COOLING CAP. TOTAL MBH (1)	EER MIN.	HEATING CAP. MBH (1)		AUX. HEAT		BARD MODEL NO.	REMARKS
					HI	LO	KW	STAGES		
WMHP-1	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-2	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-3	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-4	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-5	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-6	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-7	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-8	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-9	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-10	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-11	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-12	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-13	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-14	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-15	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-16	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-17	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-18	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-19	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-20	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-21	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-22	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-23	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-24	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-25	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-26	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-27	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-28	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-29	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-30	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-31	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-32	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-33	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-34	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-35	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-36	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-37	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-38	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-39	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-40	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-41	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-42	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-43	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-44	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-45	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-46	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-47	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-48	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-49	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-50	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-51	960	0.03	19.8	11	14.7	-	5	1	W24HF	(2)
WMHP-52	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-53	960	0.03	19.8	11	14.7	-	5	1	W24HF	(2)
WMHP-54	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-55	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-56	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-57	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-58	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-59	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-60	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-61	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-62	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)
WMHP-63	1370	0.03	31.7	11	21.7	-	9	1	W36HF	(2)

-- WALL MOUNT HEAT PUMP SCHEDULE --										
ITEM	SUPPLY CFM	ESP (IN. WG)	COOLING CAP. TOTAL MBH (1)	EER MIN.	HEATING CAP. MBH (1)		AUX. HEAT		BARD MODEL NO.	REMARKS
					HI	LO	KW	STAGES		
WMHP-64	1350	0.15	41.5	11	38.0	-	9	1	W42HFD	(2)(3)
WMHP-65	1350	0.15	41.5	11	38.0	-	9	1	W42HFD	(2)(3)
WMHP-66	1350	0.15	41.5	11	38.0	-	9	1	W42HFD	(2)(3)
WMHP-67	1350	0.15	41.5	11	38.0	-	9	1	W42HFD	(2)(3)
WMHP-68	1350	0.15	41.5	11	38.0	-	9	1	W42HFD	(2)(3)
WMHP-69	1350	0.15	41.5	11	38.0	-	9	1	W42HFD	(2)(3)

- (1) RATINGS IN ACCORDANCE WITH APPROPRIATE A.H.R.I. STANDARD.
- (2) UNITS SHALL HAVE INTEGRAL CIRCUIT BREAKER DISCONNECTS, BIPOLAR IONIZATION, WALL CURB ADAPTER, OUTSIDE AIR BLANK OFF PLATE, HP SWITCH, LP SWITCH, COMPRESSOR CONTROL MODULE, REFRIGERANT LEAK DETECTION SWITCH, AND LOW AMBIENT CONTROL.
- (3) PROVIDE WITH HOT GAS REHEAT DEHUMIDIFICATION SYSTEM AND MOTORIZED OUTSIDE AIR DAMPER, BALANCE OUTSIDE AIR TO 200 CFM.

-- FAN SCHEDULE --										
ITEM	LOCATION	CFM	ESP (IN. WG)	HP	RPM	MAX. RPM	MAX. SONES	GREENHECK MODEL NO.	REMARKS	
EF-1	KITCHEN HOOD	7700	1.5	5	790	-	-	ACCUREX XCUBE-300-50	(1)	
EF-2	EQUIP	625	0.25	1/12	1350	1350	9.0	SE1-12-432-B	(3)(7)	
EF-3	EQUIP	375	0.25	1/6	1160	1160	6.0	SE1-12-432-B	(3)(7)	
EF-4	KITCHEN	1440	-	1/2	-	-	-	MARS STD248	(9)	
EF-5	DISHWASHER	450	0.35	1/15	1515	1550	7.5	CUE-090-G	(10)(6)	
EF-6	GENERAL EXH.	200	0.25	50 W	750	1000	1.0	CSP-A10	(4)(5)	
EF-7	FLY FAN	2750	-	2 @ 1/2	-	-	-	MARS STD272	(9)	
EF-8	GENERAL EXH.	475	0.375	190 W	1210	1600	2.0	CSP-A780	(4)(8)	
EF-9	GENERAL EXH.	2150	0.75	3/4	1115	1140	11.0	SQ-160-VG	(4)(8)	
EF-10	GENERAL EXH.	900	0.50	1/3	1500	1725	8.5	SQ-100-VG	(4)(8)	
EF-11	GENERAL EXH.	900	0.50	1/3	1500	1725	8.5	SQ-100-VG	(4)(8)	
EF-12	GENERAL EXH.	1075	0.75	1/4	1500	1725	8.5	SQ-100-VG	(4)(8)	
EF-13	GENERAL EXH.	1275	0.50	3/4	1040	1500	8.5	SQ-140-VG	(4)(8)	
EF-14	TOILET	75	0.25	15 W	875	900	1.0	SP-A90	(2)(5)	
EF-15	GENERAL EXH.	1075	0.75	1/4	1500	1725	8.5	SQ-100-VG	(4)(8)	
EF-16	ELECTRICAL	200	0.25	50 W	840	900	2.5	SP-A200	(2)(7)	
EF-17	ELECTRICAL	200	0.25	50 W	840	900	2.5	SP-A200	(2)(7)	
EF-18	ELECTRICAL	200	0.25	50 W	840	900	2.5	SP-A200	(2)(7)	
EF-19	ELECTRICAL	200	0.25	50 W	840	900	2.5	SP-A200	(2)(7)	
EF-20	TOILET	75	0.25	15 W	875	900	1.0	SP-A90	(2)(5)	
EF-21	TOILET	75	0.25	15 W	875	900	1.0	SP-A90	(2)(5)	
EF-22	TOILET	75	0.25	15 W	875	900	1.0	SP-A90	(2)(5)	
EF-23	TOILET	75	0.25	15 W	875	900	1.0	SP-A90	(2)(5)	
EF-24	TOILET	75	0.25	15 W	875	900	1.0	SP-A90	(2)(5)	
EF-25	TOILET	75	0.25	15 W	875	900	1.0	SP-A90	(2)(5)	
EF-26	TOILET	75	0.25	15 W	875	900	1.0	SP-A90	(2)(5)	
EF-27	TOILET	75	0.25	15 W	875	900	1.0	SP-A90	(2)(5)	
SF-1	KITCHEN MUA	4000	0.50	1.5	1350	-	-	XID-16	(11)	

- (1) UL-752 LISTED COMPLETE WITH CURB ADAPTER, HINGED CURB CAP, VARIABLE FREQUENCY DRIVE (MOUNTED IN KITCHEN CONTROL CABINET), AND DISCONNECT MEANS. CONTROL WITH RANGE HOOD CONTROL PACKAGE.
- (2) COMPLETE WITH BACKDRAFT DAMPER, HANGING BRACKETS, METAL CEILING GRILLE, SPEED CONTROLLER, AND DISCONNECT MEANS.
- (3) COMPLETE WITH MOTORSIDE GUARD, BACKDRAFT DAMPER, AND DISCONNECT MEANS.
- (4) COMPLETE WITH BACKDRAFT DAMPER, ISOLATION HANGERS, SPEED CONTROLLER, AND DISCONNECT MEANS.
- (5) SWITCH WITH ROOM LIGHTS. FURNISH CONTACTORS AS REQUIRED.
- (6) CONTROL WITH WALL SWITCH.
- (7) CONTROL WITH THERMOSTAT SET AT 85" (ADJ.).
- (8) CONTROL WITH FACILITY MANAGEMENT SYSTEM.
- (9) CONNECT TO JAMB MOUNTED DOOR SWITCH. LOCATE SWITCH ON HINGE SIDE OF EXTERIOR DOOR.
- (10) COMPLETE WITH CURB ADAPTER, BACKDRAFT DAMPER, SPEED CONTROLLER, AND DISCONNECT MEANS.
- (11) COMPLETE WITH BACKDRAFT DAMPER, ISOLATION HANGERS, VARIABLE FREQUENCY DRIVE (MOUNTED IN KITCHEN CONTROL CABINET), ANGLED FILTER RACK WITH ALUMINUM MESH FILTER, AND DISCONNECT MEANS. CONTROL WITH RANGEHOOD CONTROL PACKAGE.

-- AIR DISTRIBUTION SCHEDULE --						
MARK	TYPE	NECK CONNECTION (1)	FINISH	OBD	PRICE NO. UNLESS NOTED	REMARKS (2)
	CEILING DIFFUSER	6"Ø	MANUFACTURER'S STANDARD FINISH	NO	SCD-4C	24 X 24 PANEL (3)
	CEILING DIFFUSER	8"Ø	MANUFACTURER'S STANDARD FINISH	NO	SCD-4C	24 X 24 PANEL (3)
	CEILING DIFFUSER	10"Ø	MANUFACTURER'S STANDARD FINISH	NO	SCD-4C	24 X 24 PANEL (3)
	CEILING DIFFUSER	12"Ø	MANUFACTURER'S STANDARD FINISH	NO	SCD-4C	24 X 24 PANEL (3)
	CEILING DIFFUSER	14"Ø	MANUFACTURER'S STANDARD FINISH	NO	SCD-4C	24 X 24 PANEL (3)
	CEILING DIFFUSER	6"Ø	MANUFACTURER'S STANDARD FINISH	NO	SCD	12 X 12 PANEL (3)
	CEILING DIFFUSER	8"Ø	MANUFACTURER'S STANDARD FINISH	NO	SCD	12 X 12 PANEL (3)
	CEILING RETURN/EXHAUST	10" X 10"	MANUFACTURER'S STANDARD FINISH	NO	80	12 X 12 PANEL WITH BORDER FRAME
	CEILING RETURN/EXHAUST	22" X 22"	MANUFACTURER'S STANDARD FINISH	NO	80	24 X 24 PANEL WITH BORDER FRAME
	SUPPLY REGISTER	SEE PLANS	MANUFACTURER'S STANDARD FINISH	YES	520D	DOUBLE DEFLECTION 3/4" BLADE SPACING (4)
	RETURN GRILLE	SEE PLANS	MANUFACTURER'S STANDARD FINISH	NO	535	45° DEFLECTION 1/2" BLADE SPACING (4)
	HEAVY DUTY RETURN/EXHAUST	SEE PLANS	MANUFACTURER'S STANDARD FINISH	NO	96	45° DEFLECTION 3/4" BLADE SPACING (4)
	SUPPLY REGISTER	SEE DETAIL	MILL ALUMINUM	NO	620	DOUBLE DEFLECTION 3/4" BLADE SPACING (4)
	RETURN GRILLE	SEE DETAIL	MILL ALUMINUM	NO	635FF	45° DEFLECTION 1/2" BLADE SPACING W/ 1" FILTER RACK (5)

- (1) DUCT RUNOUT SIZE SAME AS NECK CONNECTION SIZE, UNLESS NOTED OTHERWISE.
- (2) PROVIDE LAY-IN TYPE FOR T-BAR CEILINGS AND SURFACE TYPE FOR ALL

-- INDOOR HEAT PUMP SCHEDULE --										
ITEM	SUPPLY CFM	ESP (IN. WG)	FAN HP	DRIVE	COOLING CAP. MBH (1)		AUX. HEAT		CARRIER MODEL NO.	REMARKS
					SENSIBLE	TOTAL	KW	STGS.		
IHP-1A	5500	1.00	3.7	BELT	130.0	184.0	50	2	40RUA_16	(2)
IHP-1B	5500	1.00	3.7	BELT	130.0	184.0	50	2	40RUA_16	(2)
IHP-2A	1900	0.50	3/4	DIRECT	47.0	57.0	9	1	FB4CNP061	(2)
IHP-2B	1900	0.50	3/4	DIRECT	47.0	57.0	9	1	FB4CNP061	(2)
IHP-2C	1900	0.50	3/4	DIRECT	47.0	57.0	9	1	FB4CNP061	(2)
IHP-3A	4000	1.0	1.84	BELT	85.6	110.3	15	1	40RFQ_12	(2)
IHP-3B	4000	1.0	1.84	BELT	85.6	110.3	15	1	38AUQ_12	(2)
IHP-4	1600	0.50	3/4	DIRECT	35.0	46.0	9	1	FB4CNP048	(2)
IHP-5	1600	0.50	3/4	DIRECT	35.0	46.0	9	1	FB4CNP048	(2)
IHP-6	1600	0.50	3/4	DIRECT	35.0	46.0	9	1	FB4CNP048	(2)
IHP-7	800	0.50	1/3	DIRECT	17.5	22.2	3.8	1	FJ4DNX_24	(2)
IHP-8	1900	0.50	3/4	DIRECT	47.0	57.0	9	1	FB4CNP061	(2)
IHP-9	1180	0.50	1/2	DIRECT	25.0	33.0	9	1	FB4CNP036	(2)
IHP-10	600	0.50	1/3	DIRECT	12.66	17.8	3.8	1	FJ4DNX_18	(2)
IHP-11	1180	0.50	1/2	DIRECT	25.0	33.0	9	1	FB4CNP036	(2)
IHP-12A	1900	0.50	3/4	DIRECT	47.0	57.0	9	1	FB4CNP061	(2)
IHP-12B	1900	0.50	3/4	DIRECT	47.0	57.0	9	1	FB4CNP061	(2)
IHP-12C	1900	0.50	3/4	DIRECT	47.0	57.0	9	1	FB4CNP061	(2)
IHP-13	1600	0.50	3/4	DIRECT	35.0	46.0	9	1	FB4CNP048	(2)
IHP-14	1600	0.50	3/4	DIRECT	35.0	46.0	9	1	FB4CNP048	(2)
IHP-15	600	0.50	1/3	DIRECT	12.66	17.8	3.8	1	FJ4DNX_18	(2)
IHP-16	500	--	100 W	DIRECT	11.7	18.0	--	--	45MAHAQ18	(3)(6)
IHP-17	540	--	100 W	DIRECT	12.6	18.0	--	--	45MCFFAQ18	(4)(6)
IHP-18	375	--	100 W	DIRECT	8.4	12.0	--	--	45MBFAQ12	(4)(6)
IHP-19	375	--	100 W	DIRECT	8.4	12.0	--	--	45MBFAQ12	(4)(6)
IHP-20	375	--	100 W	DIRECT	8.4	12.0	--	--	45MBFAQ12	(4)(6)
IHP-21	375	--	100 W	DIRECT	8.4	12.0	--	--	45MBFAQ12	(4)(6)
IHP-22	375	--	100 W	DIRECT	8.4	12.0	--	--	45MBFAQ12	(4)(6)
IHP-23	615	--	100 W	DIRECT	16.8	24.0	--	--	45MAHAQ24	(3)(6)
IHP-24	700	--	100 W	DIRECT	16.8	24.0	--	--	45MCFAQ24	(4)(6)
IHP-25	700	--	100 W	DIRECT	16.8	24.0	--	--	45MCFAQ24	(4)(6)
IHP-26	500	--	100 W	DIRECT	11.7	18.0	--	--	45MAHAQ18	(3)(6)
IHP-27	700	--	100 W	DIRECT	18.0	24.0	--	--	45MCFAQ24	(4)(6)
IHP-28	500	--	100 W	DIRECT	11.7	18.0	--	--	45MAHAQ18	(3)(6)
IHP-29	375	--	100 W	DIRECT	8.4	12.0	--	--	45MBFAQ12	(4)(6)
IHP-30	500	--	100 W	DIRECT	11.7	18.0	--	--	45MAHAQ18	(3)(5)(6)
IHP-31	500	--	100 W	DIRECT	11.7	18.0	--	--	45MAHAQ18	(3)(5)(6)
IHP-32	700	--	100 W	DIRECT	16.8	24.0	--	--	45MCFAQ24	(4)(6)
IHP-33	700	--	100 W	DIRECT	16.8	24.0	--	--	45MCFAQ24	(4)(6)
IHP-34	500	--	100 W	DIRECT	11.7	18.0	--	--	45MAHAQ18	(3)(6)
IHP-35	615	--	100 W	DIRECT	16.8	24.0	--	--	45MAHAQ24	(3)(6)
IHP-36	500	--	100 W	DIRECT	11.7	18.0	--	--	45MAHAQ18	(3)(5)(6)
IHP-37	700	--	100 W	DIRECT	16.8	24.0	--	--	45MCFAQ24	(4)(6)
IHP-38	700	--	100 W	DIRECT	16.8	24.0	--	--	45MCFAQ24	(4)(6)
IHP-39	500	--	100 W	DIRECT	11.7	18.0	--	--	45MAHAQ18	(3)(5)(6)

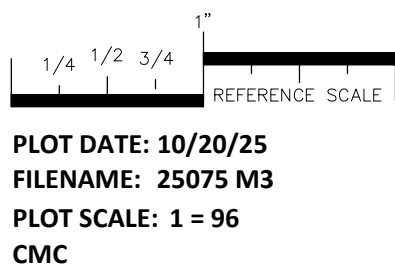
- (1) RATINGS IN ACCORDANCE WITH APPROPRIATE A.H.R.I. STANDARD.
- (2) VERTICAL INDOOR AIR HANDLING UNIT COMPLETE WITH DISCONNECT MEANS, MERV-8 PLEATED FILTER(S), AND BIPOLAR IONIZATION.
- (3) HIGH-WALL INDOOR AIR HANDLING UNIT. PROVIDE WITH ELECTRICAL DISCONNECT MEANS, WASHABLE FILTER, AND WIRED WALL CONTROLLER.
- (4) FLOOR CONSOLE INDOOR AIR HANDLING UNIT. PROVIDE WITH ELECTRICAL DISCONNECT MEANS, WASHABLE FILTER, AND WIRED WALL CONTROLLER.
- (5) PROVIDE WITH CONDENSATE PUMP.
- (6) PROVIDE WITH MANUFACTURER'S RECOMMENDED TC CABLE (TRAY CABLE) FOR UNIT POWER AND CONTROLS. TC CABLE TO BE INSTALLED BY DIVISION 26.

-- OUTDOOR HEAT PUMP SCHEDULE --								
ITEM	COOLING CAP. MBH (1)	SEER	HEATING CAP. MBH (1)		COP (1)		CARRIER MODEL NO.	REMARKS
			HI	LO	HI	LO		
OHP-1A	184.0	14.0 IEER	--	--	--	--	38AUD_16	(4) (7)
OHP-1B	184.0	14.0 IEER	--	--	--	--	38AUD_16	(4) (7)
OHP-2A	57.0	14.0	54.5	33.0	3.6	2.5	25HCE_60	(2) (7)
OHP-2B	57.0	14.0	54.5	33.0	3.6	2.5	25HCE_60	(2) (7)
OHP-2C	57.0	14.0	54.5	33.0	3.6	2.5	25HCE_60	(2) (7)
OHP-3A	117.0	15.0 IEER	106.0	66.0	3.4	2.4	38AUQ_12	(6) (7)
OHP-3B	117.0	15.0 IEER	106.0	66.0	3.4	2.4	38AUQ_12	(6) (7)
OHP-4	46.0	14.0	45.5	27.8	3.6	2.5	25HCE_48	(2) (7)
OHP-5	46.0	14.0	45.5	27.8	3.6	2.5	25HCE_48	(2) (7)
OHP-6	46.0	14.0	45.5	27.8	3.6	2.5	25HCE_48	(2) (7)
OHP-7	22.2	15.0 SEER2	22.2	13.2	3.8	2.5	25SCA_24	(2) (7)
OHP-8	57.0	14.0	54.5	33.0	3.6	2.5	25HCE_60	(2) (7)
OHP-9	33.0	14.0	33.0	20.8	3.6	2.4	25HCE_36	(2) (7)
OHP-10	17.8	14.0 SEER2	17.8	10.4	3.7	2.4	25SCA_18	(2) (7)
OHP-11	33.0	14.0	33.0	20.8	3.6	2.4	25HCE_36	(2) (7)
OHP-12A	57.0	14.0	54.5	33.0	3.6	2.5	25HCE_60	(2) (7)
OHP-12B	57.0	14.0	54.5	33.0	3.6	2.5	25HCE_60	(2) (7)
OHP-12C	57.0	14.0	54.5	33.0	3.6	2.5	25HCE_60	(2) (7)
OHP-13	46.0	14.0	45.5	27.8	3.6	2.5	25HCE_48	(2) (7)
OHP-14	46.0	14.0	45.5	27.8	3.6	2.5	25HCE_48	(2) (7)
OHP-15	17.8	14.0 SEER2	17.8	10.4	3.7	2.4	25SCA_18	(2) (7)
OHP-16	18.0	23.0 SEER2	18.0	13.6	3.5	2.7	37MARAQ18	(5) (7)
OHP-17	18.0	22.0 SEER2	--	--	--	--	37MARAQ18	(3) (7)
OHP-18	12.0	24.0 SEER2	12.0	9.0	3.9	2.8	37MARAQ12	(4) (7)
OHP-19	12.0	24.0 SEER2	12.0	9.0	3.9	2.8	37MARAQ12	(4) (7)
OHP-20	12.0	24.0 SEER2	12.0	9.0	3.9	2.8	37MARAQ12	(4) (7)
OHP-21	12.0	24.0 SEER2	12.0	9.0	3.9	2.8	37MARAQ12	(4) (7)
OHP-22	12.0	24.0 SEER2	12.0	9.0	3.9	2.8	37MARAQ12	(4) (7)
OHP-23	24.0	21.0 SEER2	24.4	20.0	2.9	2.5	37MARAQ24	(4) (7)
OHP-24	24.0	21.0 SEER2	--	--	--	--	37MARAQ24	(3) (7)
OHP-25	24.0	21.0 SEER2	--	--	--	--	37MARAQ24	(3) (7)
OHP-26	18.0	23.0 SEER2	18.0	13.6	3.5	2.7	37MARAQ18	(5) (7)
OHP-27	24.0	21.0 SEER2	24.4	20.0	2.9	2.5	37MARAQ24	(4) (7)
OHP-28	18.0	23.0 SEER2	18.0	13.6	3.5	2.7	37MARAQ18	(5) (7)
OHP-29	12.0	24.0 SEER2	12.0	9.0	3.9	2.8	37MARAQ12	(4) (7)
OHP-30	18.0	23.0 SEER2	18.0	13.6	3.5	2.7	37MARAQ18	(5) (7)
OHP-31	18.0	23.0 SEER2	18.0	13.6	3.5	2.7	37MARAQ18	(5) (7)
OHP-32	24.0	21.0 SEER2	--	--	--	--	37MARAQ24	(3) (7)
OHP-33	24.0	21.0 SEER2	--	--	--	--	37MARAQ24	(3) (7)
OHP-34	18.0	23.0 SEER2	18.0	13.6	3.5	2.7	37MARAQ18	(5) (7)
OHP-35	24.0	21.0 SEER2	24.4	20.0	2.9	2.5	37MARAQ24	(4) (7)
OHP-36	18.0	23.0 SEER2	18.0	13.6	3.5	2.7	37MARAQ18	(5) (7)
OHP-37	24.0	21.0 SEER2	--	--	--	--	37MARAQ24	(3) (7)
OHP-38	24.0	21.0 SEER2	--	--	--	--	37MARAQ24	(3) (7)
OHP-39	18.0	23.0 SEER2	18.0	13.6	3.5	2.7	37MARAQ18	(5) (7)

- (1) RATINGS IN ACCORDANCE WITH APPROPRIATE A.H.R.I. STANDARD.
- (2) 1-STAGE HEAT PUMP, SINGLE CIRCUIT. PROVIDE WITH LOW AMBIENT COOLING.
- (3) INVERTER COMPRESSOR, COOLING ONLY CONDENSING UNIT. PROVIDE WITH LOW AMBIENT COOLING.
- (4) 2-STAGE COOLING ONLY, DUAL CIRCUIT. PROVIDE WITH LOW AMBIENT COOLING.
- (5) INVERTER COMPRESSOR HEAT PUMP CONDENSING UNIT.
- (6) 2-STAGE HEAT PUMP, SINGLE CIRCUIT. PROVIDE WITH LOW AMBIENT COOLING.
- (7) PROVIDE WITH REFRIGERANT LEAK DETECTOR.

-- REFRIGERANT PIPE SCHEDULE --				
INDOOR UNIT	OUTDOOR UNIT	SUCTION LINE OD (IN.)	LIQUID LINE OD (IN.)	REMARKS
IHP-1A	OHP-1A	2 @ 1-1/8	2 @ 1/2	(1)
IHP-1B	OHP-1B	2 @ 1-1/8	2 @ 1/2	(1)
IHP-2A	OHP-2A	1-1/8	3/8	(1)
IHP-2B	OHP-2B	1-1/8	3/8	(1)
IHP-2C	OHP-2C	1-1/8	3/8	(1)
IHP-3A	OHP-3A	1-3/8	1/2	(1)
IHP-3B	OHP-3B	1-3/8	1/2	(1)
IHP-4	OHP-4	7/8	3/8	(1)
IHP-5	OHP-5	7/8	3/8	(1)
IHP-6	OHP-6	7/8	3/8	(1)
IHP-7	OHP-7	3/4	3/8	(1)
IHP-8	OHP-8	1-1/8	3/8	(1)
IHP-9	OHP-9	3/4	3/8	(1)
IHP-10	OHP-10	5/8	3/8	(1)
IHP-11	OHP-11	3/4	3/8	(1)
IHP-12A	OHP-12A	1-1/8	3/8	(1)
IHP-12B	OHP-12B	1-1/8	3/8	(1)
IHP-12C	OHP-12C	1-1/8	3/8	(1)
IHP-13	OHP-13	7/8	3/8	(1)
IHP-14	OHP-14	7/8	3/8	(1)
IHP-15	OHP-15	5/8	3/8	(1)
IHP-16	OHP-16	1/2	1/4	(1)
IHP-17	OHP-17	1/2	1/4	(1)
IHP-18	OHP-18	3/8	1/4	(1)
IHP-19	OHP-19	3/8	1/4	(1)
IHP-20	OHP-20	3/8	1/4	(1)
IHP-21	OHP-21	3/8	1/4	(1)
IHP-22	OHP-22	3/8	1/4	(1)
IHP-24	OHP-24	5/8	3/8	(1)
IHP-24	OHP-24	1/2	1/4	(1)
IHP-25	OHP-25	1/2	1/4	(1)
IHP-26	OHP-26	1/2	1/4	(1)
IHP-27	OHP-27	5/8	3/8	(1)
IHP-28	OHP-28	1/2	1/4	(1)
IHP-29	OHP-29	3/8	1/4	(1)
IHP-30	OHP-30	1/2	1/4	(1)
IHP-31	OHP-31	1/2	1/4	(1)
IHP-32	OHP-32	1/2	1/4	(1)
IHP-33	OHP-33	1/2	1/4	(1)
IHP-34	OHP-34	1/2	1/4	(1)
IHP-35	OHP-35	5/8	3/8	(1)
IHP-36	OHP-36	1/2	1/4	(1)
IHP-37	OHP-37	1/2	1/4	(1)
IHP-38	OHP-38	1/2	1/4	(1)
IHP-39	OHP-39	1/2	1/4	(1)

- (1) REFRIGERANT PIPE SIZES INDICATED ARE FOR ESTIMATING PURPOSES ONLY. EXACT SIZES AND ACCESSORIES REQUIRED SHALL BE DETERMINED BY EQUIPMENT MANUFACTURER FROM FIELD-OBTAINED DIMENSIONS.



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PVA ENGINEERING, INC.
AUGUSTA, GA 30906 (706) 722-3993

PROJECT NO: 24028

1/4 1/2 3/4 1" REFERENCE SCALE
PLOT DATE: 10/20/25
FILENAME: 25075 M3
PLOT SCALE: 1 = 96
CMC

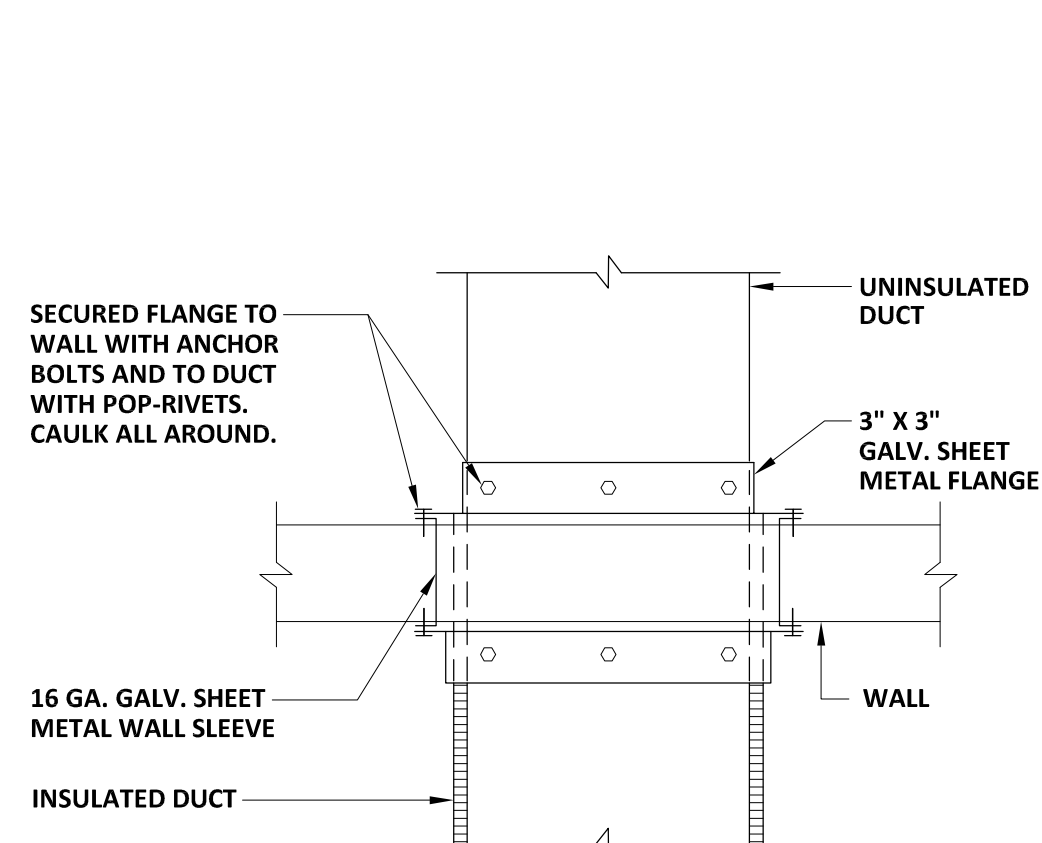
10020
FACILITY NO: 792-0110
DRAWINGS ARE THE PROPERTY OF THE ARCHITECT AND SHALL NOT BE REPRODUCED OR USED WITHOUT WRITTEN PERMISSION AND CREDIT
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HVAC Replacement of
WG Nunn Elementary School
1610 Lakeland Ave. Valdosta, GA 31602
Valdosta City School System

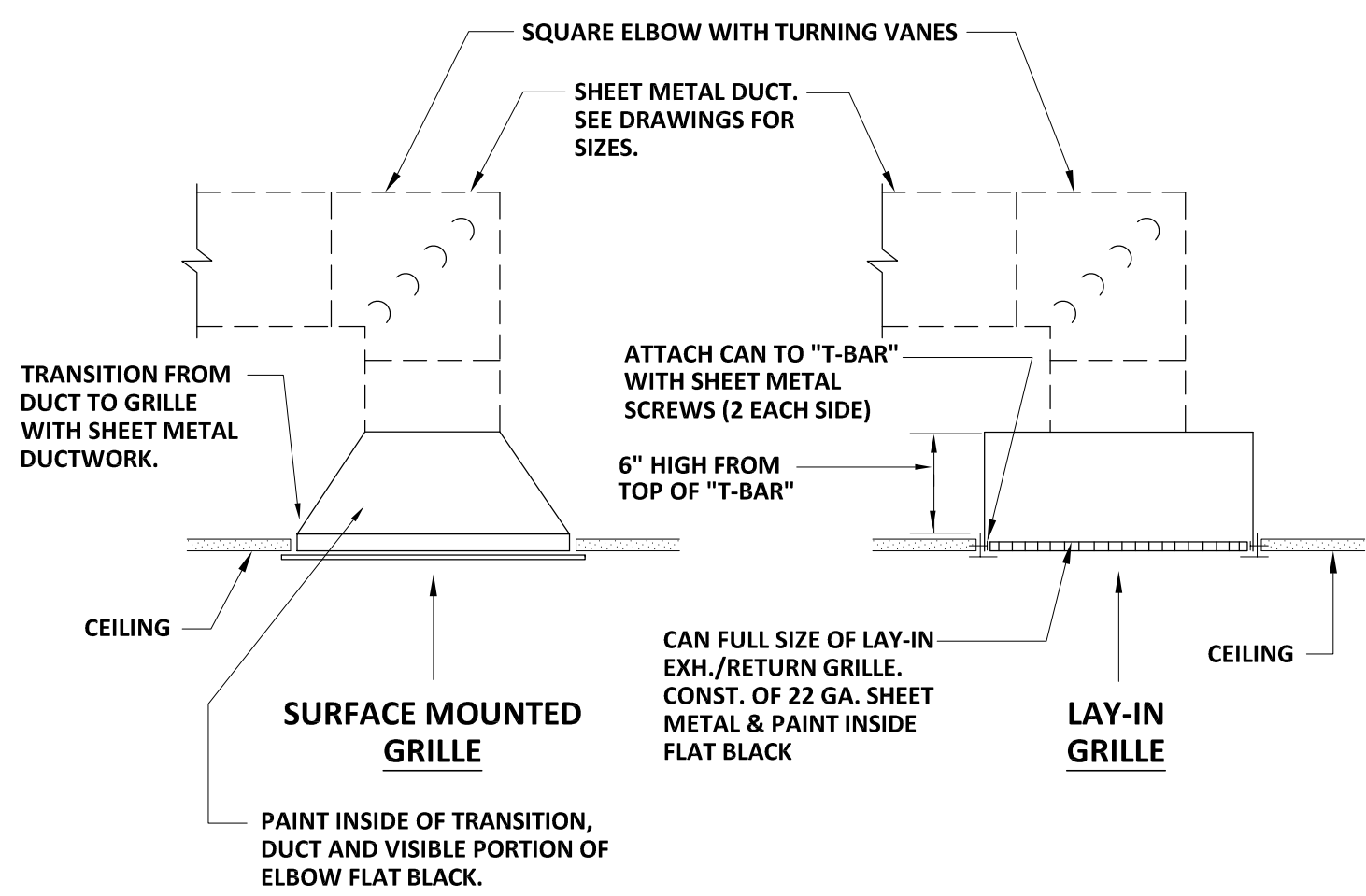
Altman + Barrett
a r c h i t e c t s
P.O. BOX 665 - 117 WEST MAIN ST.
HAHIRA, GEORGIA 31632
PHONE # (229) 585-9018

REGISTERED
PROFESSIONAL
ENGINEER
No. PE043887
J. McNEIS
10/20/25

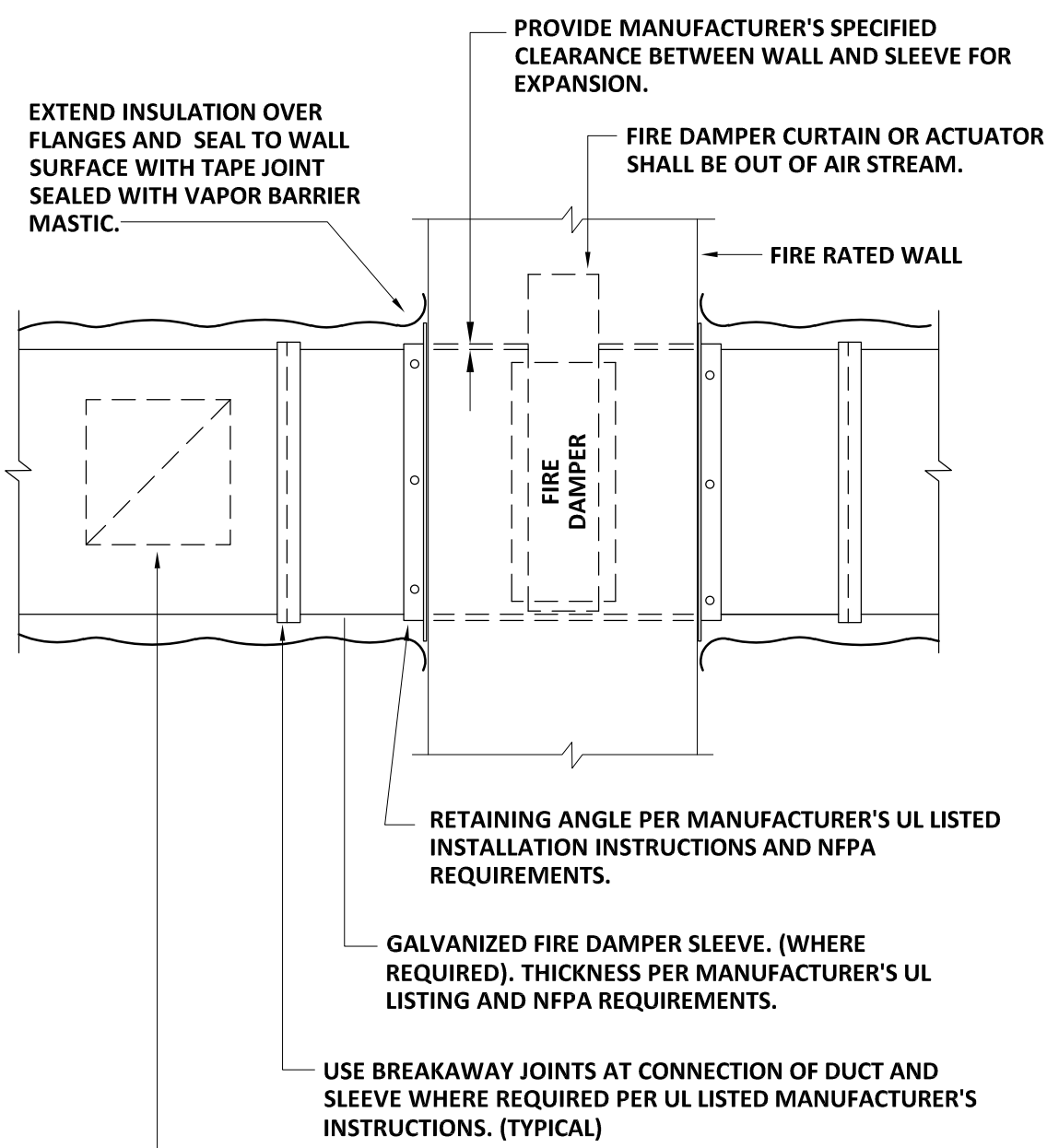
Altman + Barrett



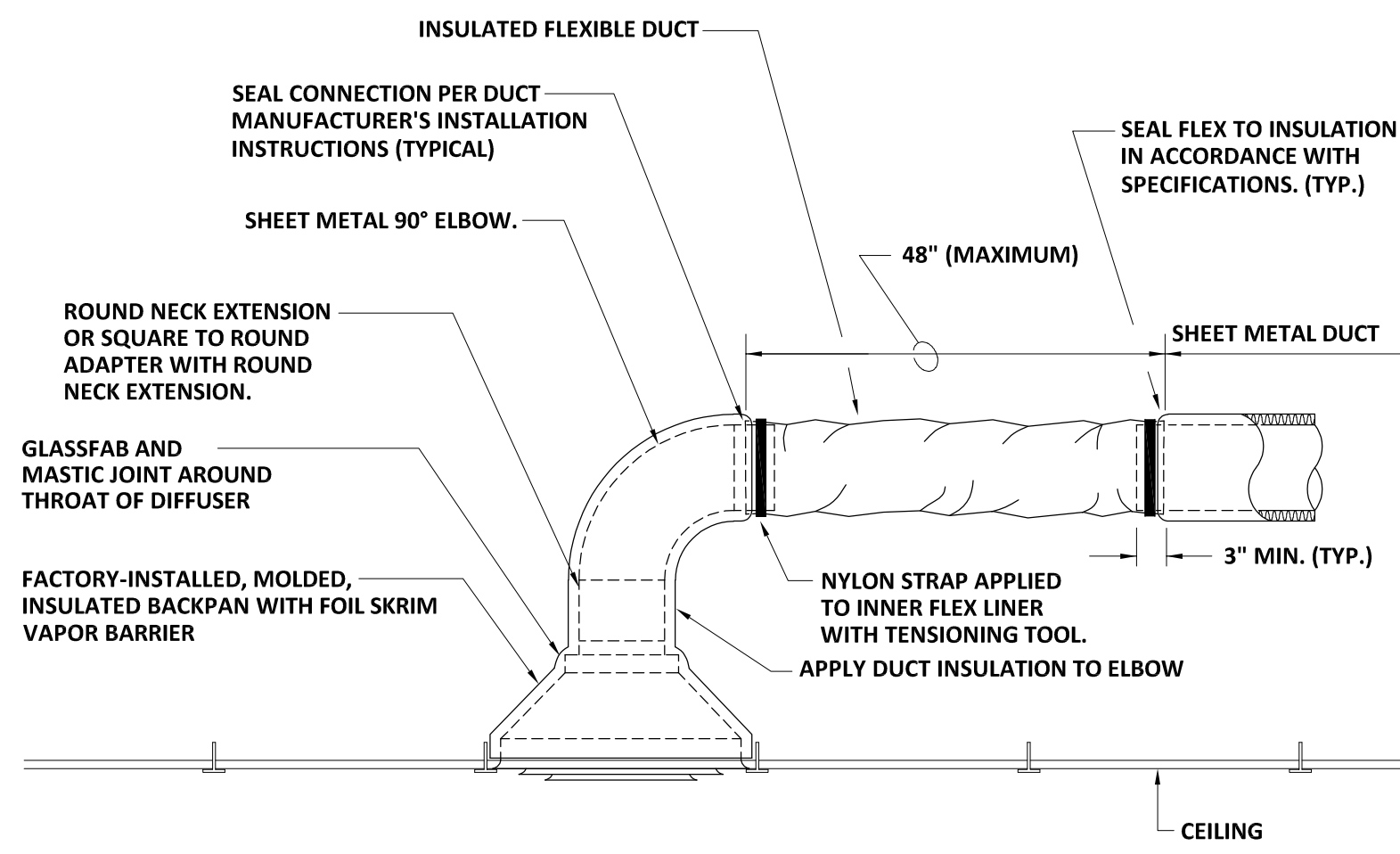
1 DUCT SLEEVE DETAIL
M0030 NOT TO SCALE



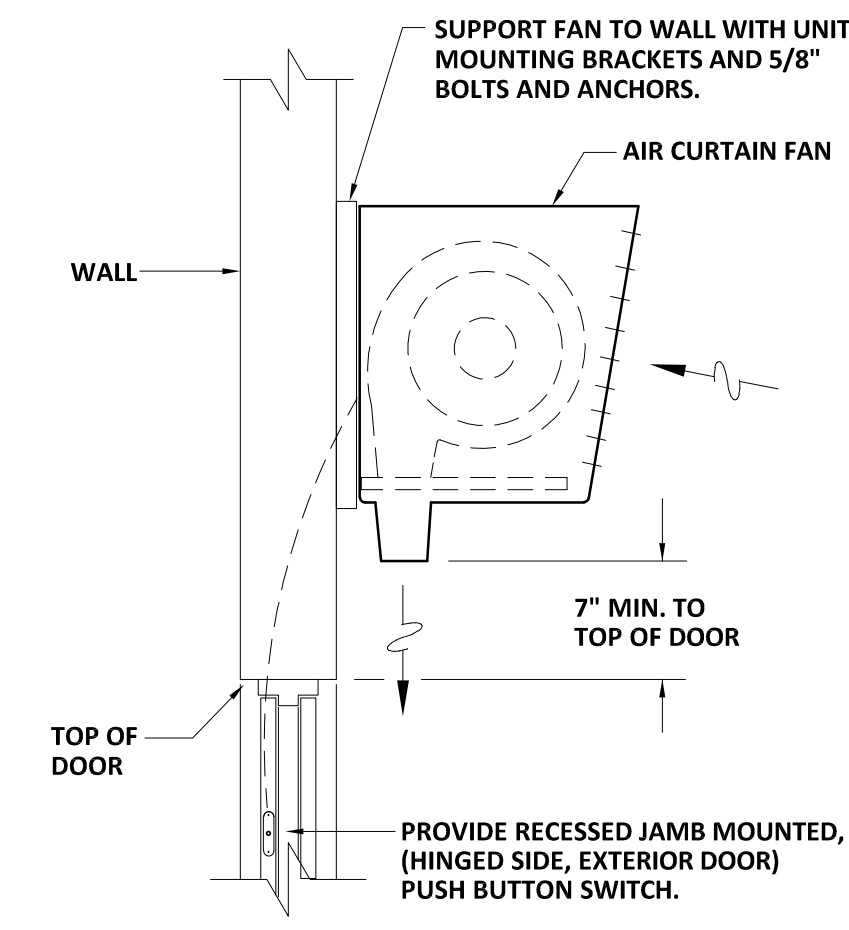
2 EXHAUST/RETURN GRILLE CONNECTION DETAILS
M0030 NOT TO SCALE



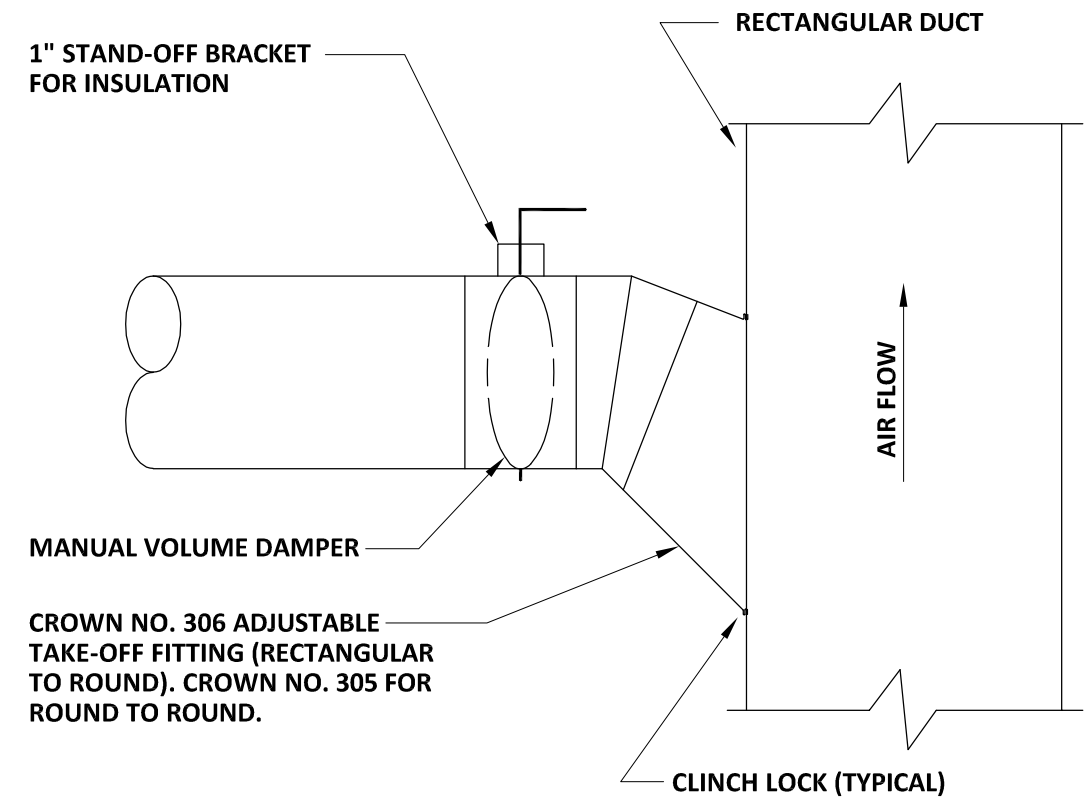
3 RATED DAMPER & SLEEVE DETAIL
M0030 NOT TO SCALE



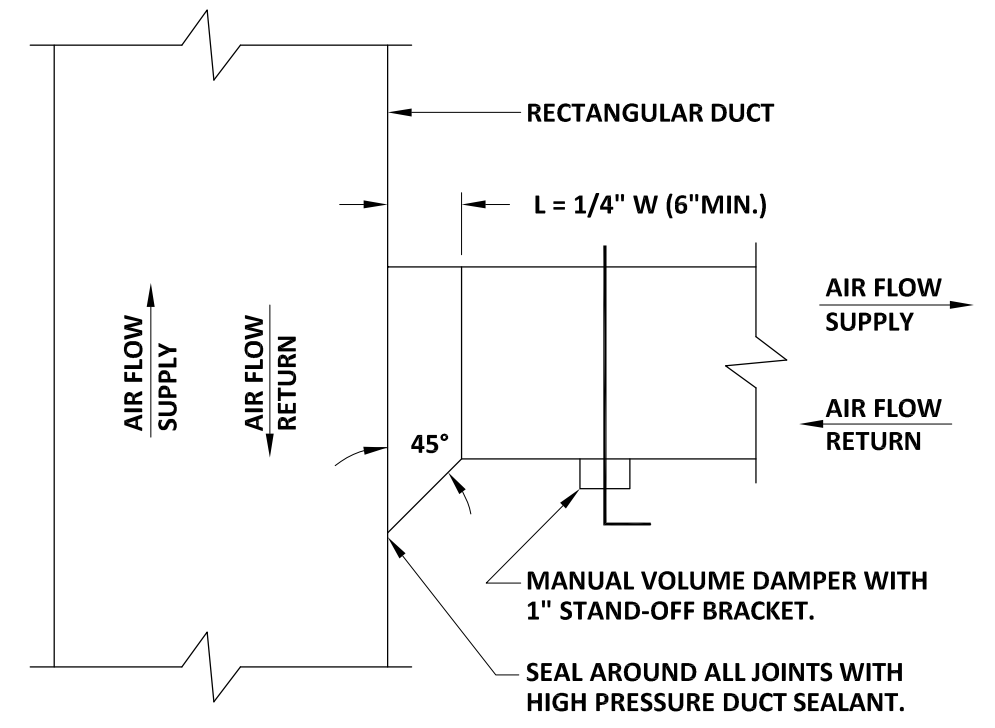
4 FLEXIBLE ROUND DUCT CONNECTION DETAIL
M0030 NOT TO SCALE



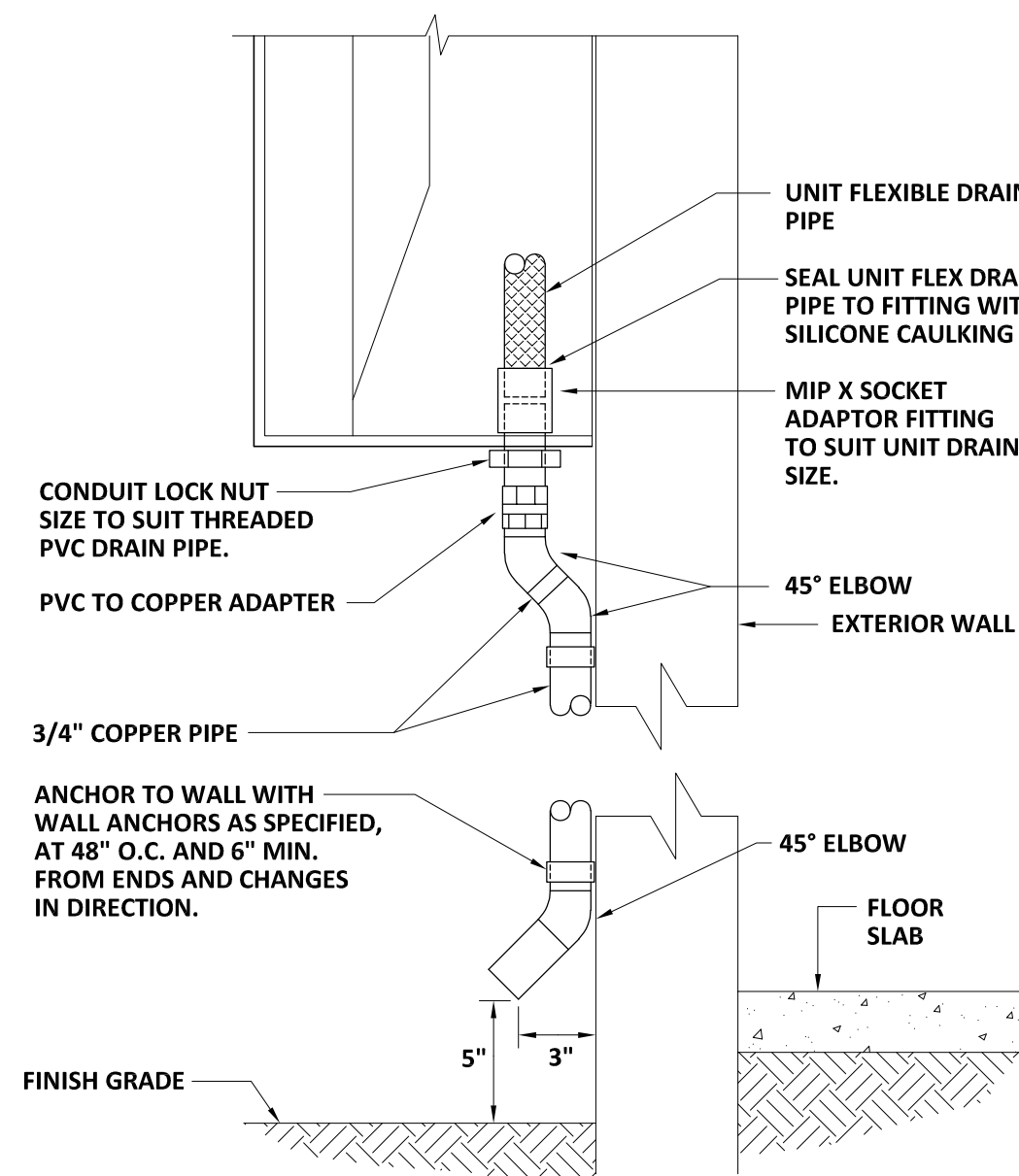
5 AIR CURTAIN FAN DETAIL
M0030 NOT TO SCALE



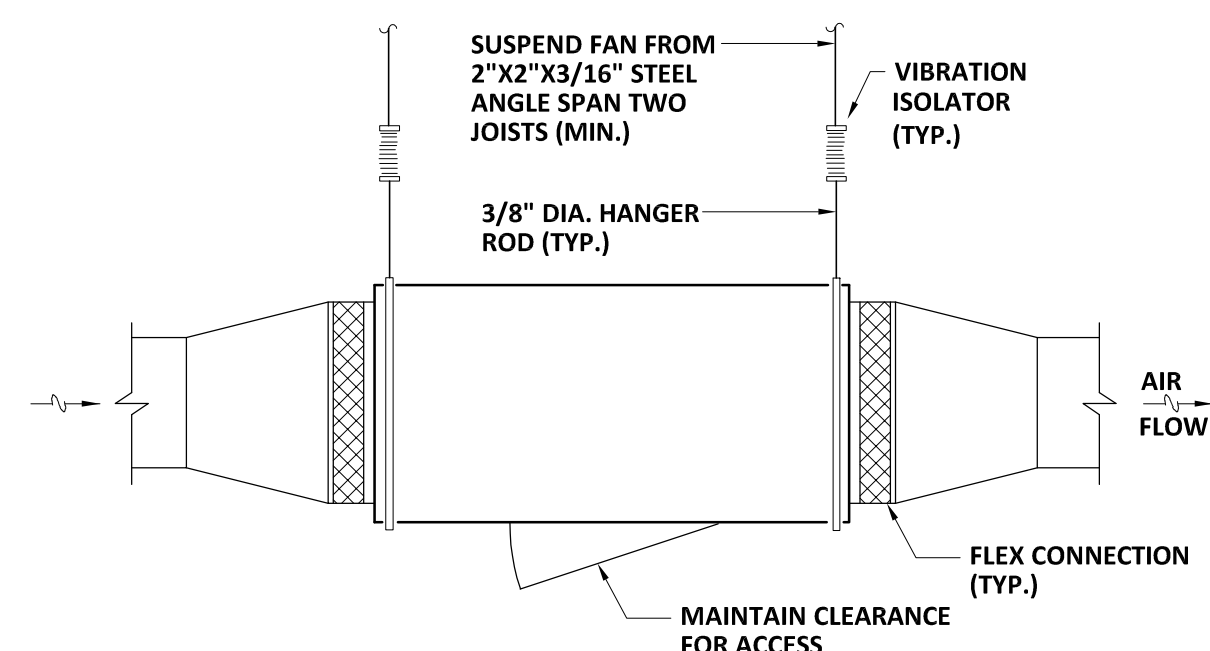
6 SUPPLY DUCT TAKE-OFF FITTING DETAIL
M0030 NOT TO SCALE



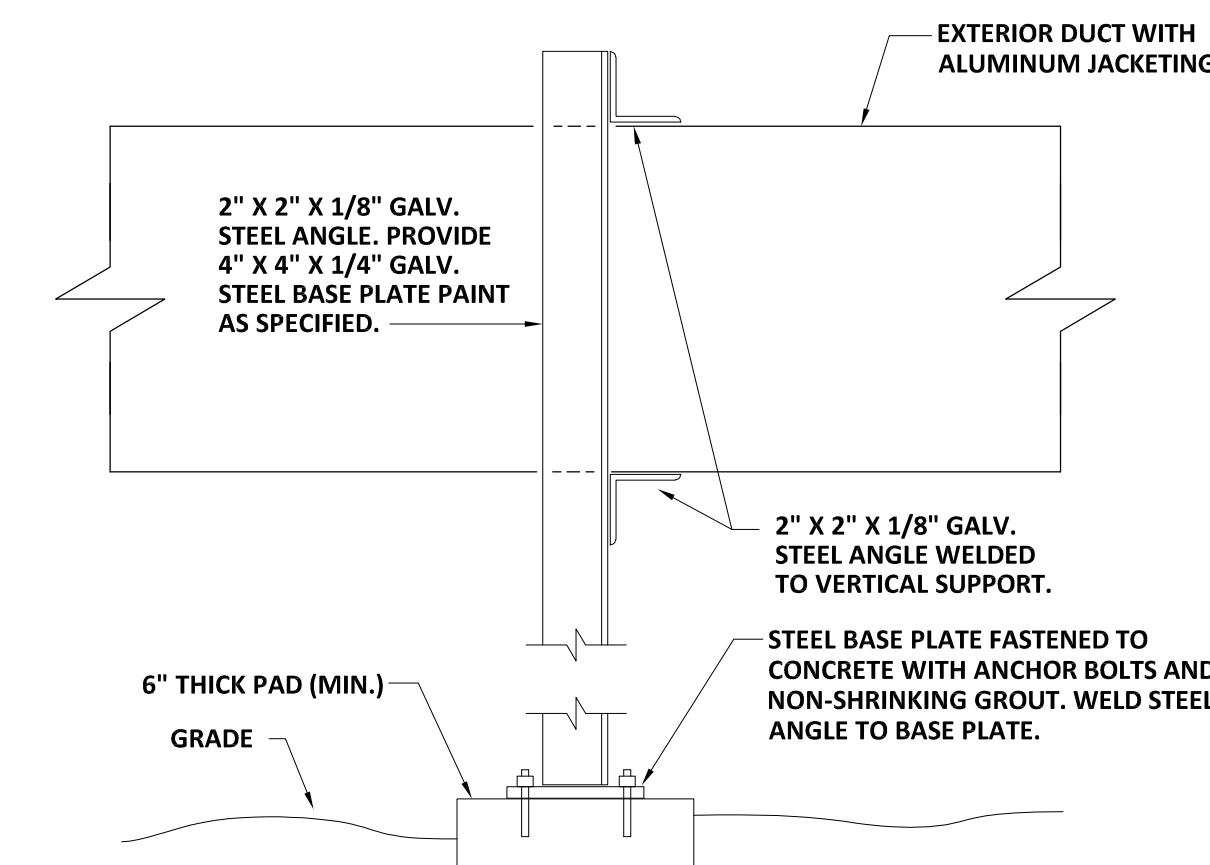
7 RECTANGULAR SUPPLY AND RETURN DUCT TAKE-OFF DETAIL
M0030 NOT TO SCALE



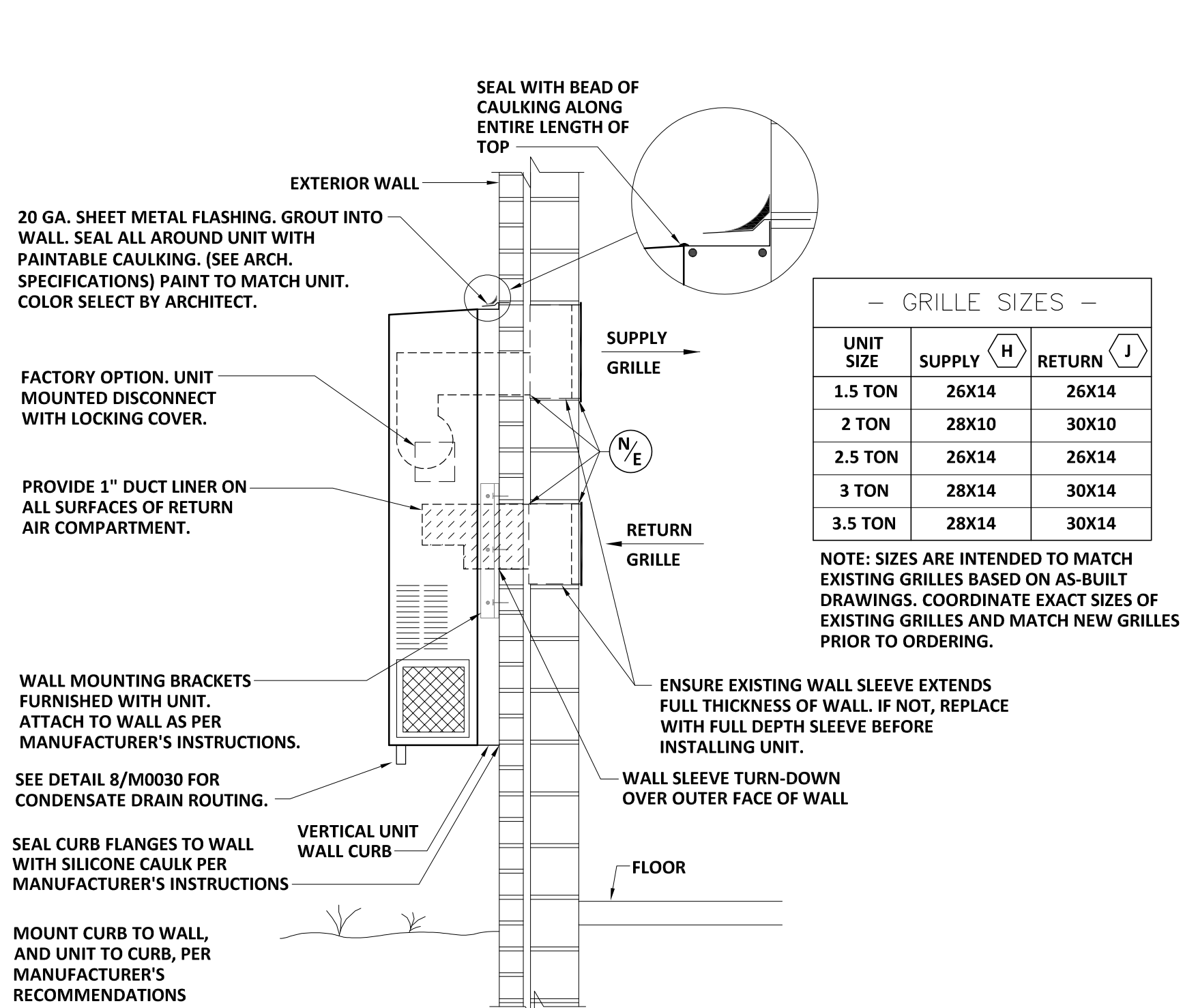
8 WHP DRAIN DETAIL
M0030 NOT TO SCALE

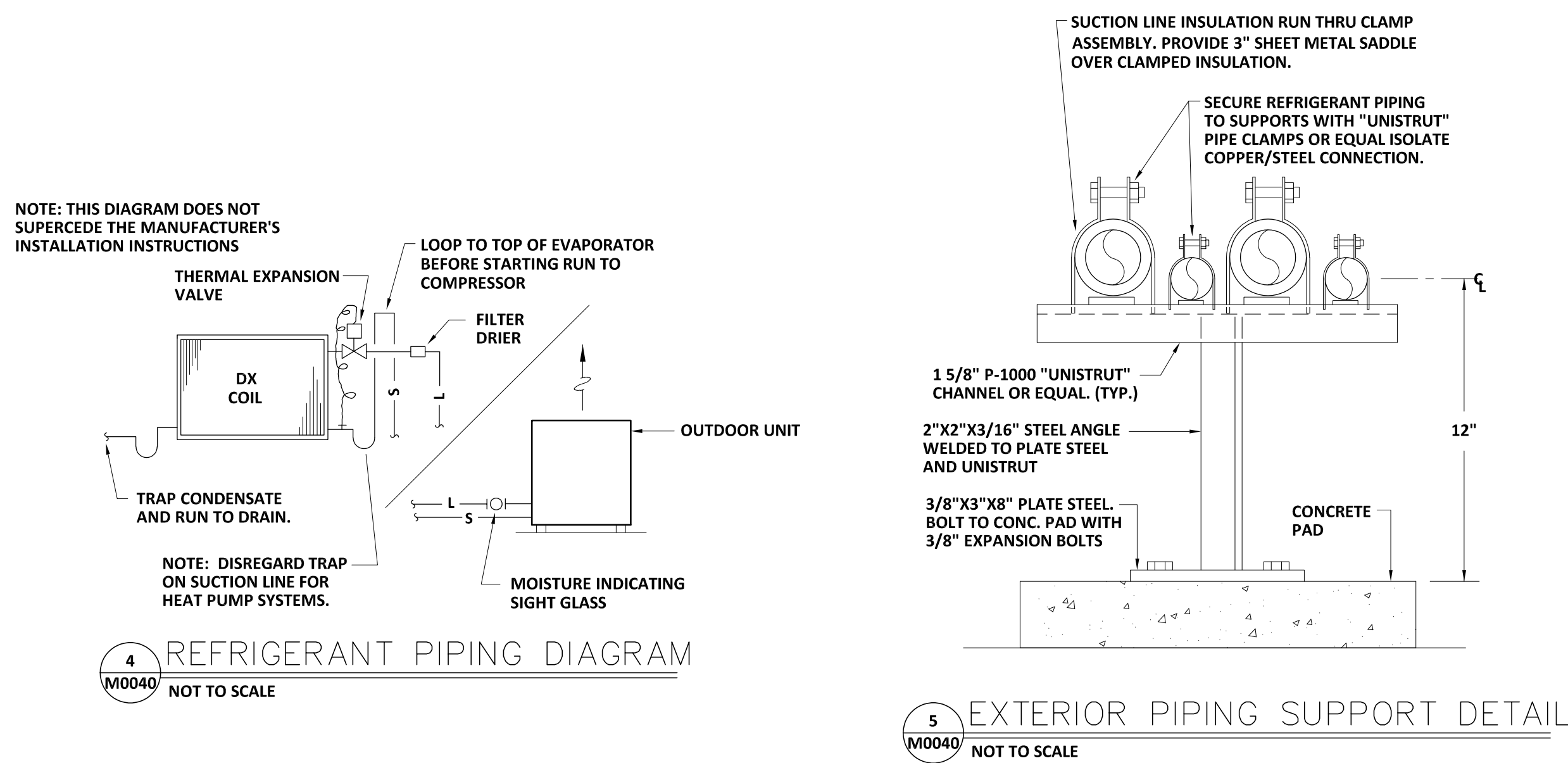
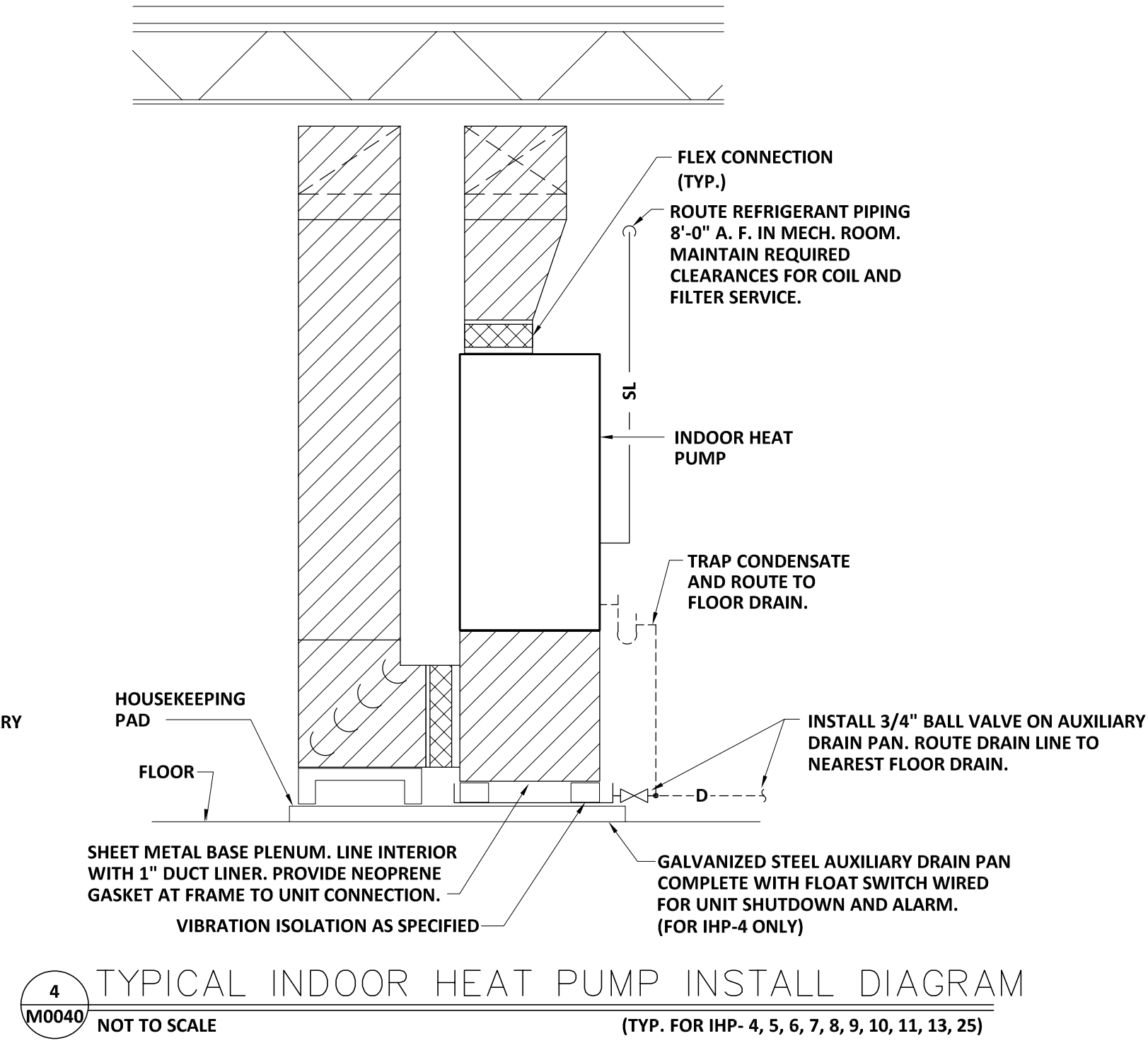
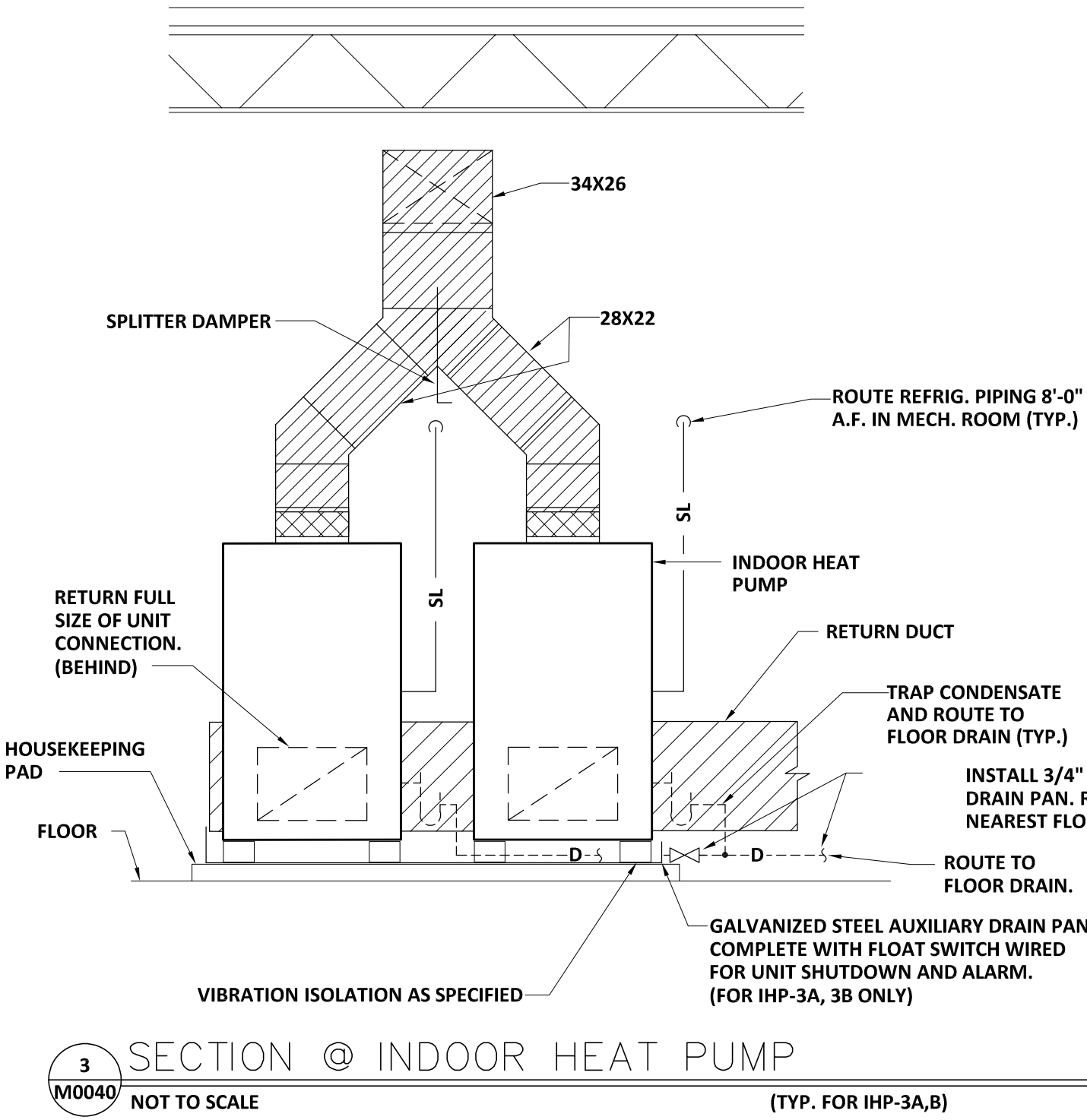
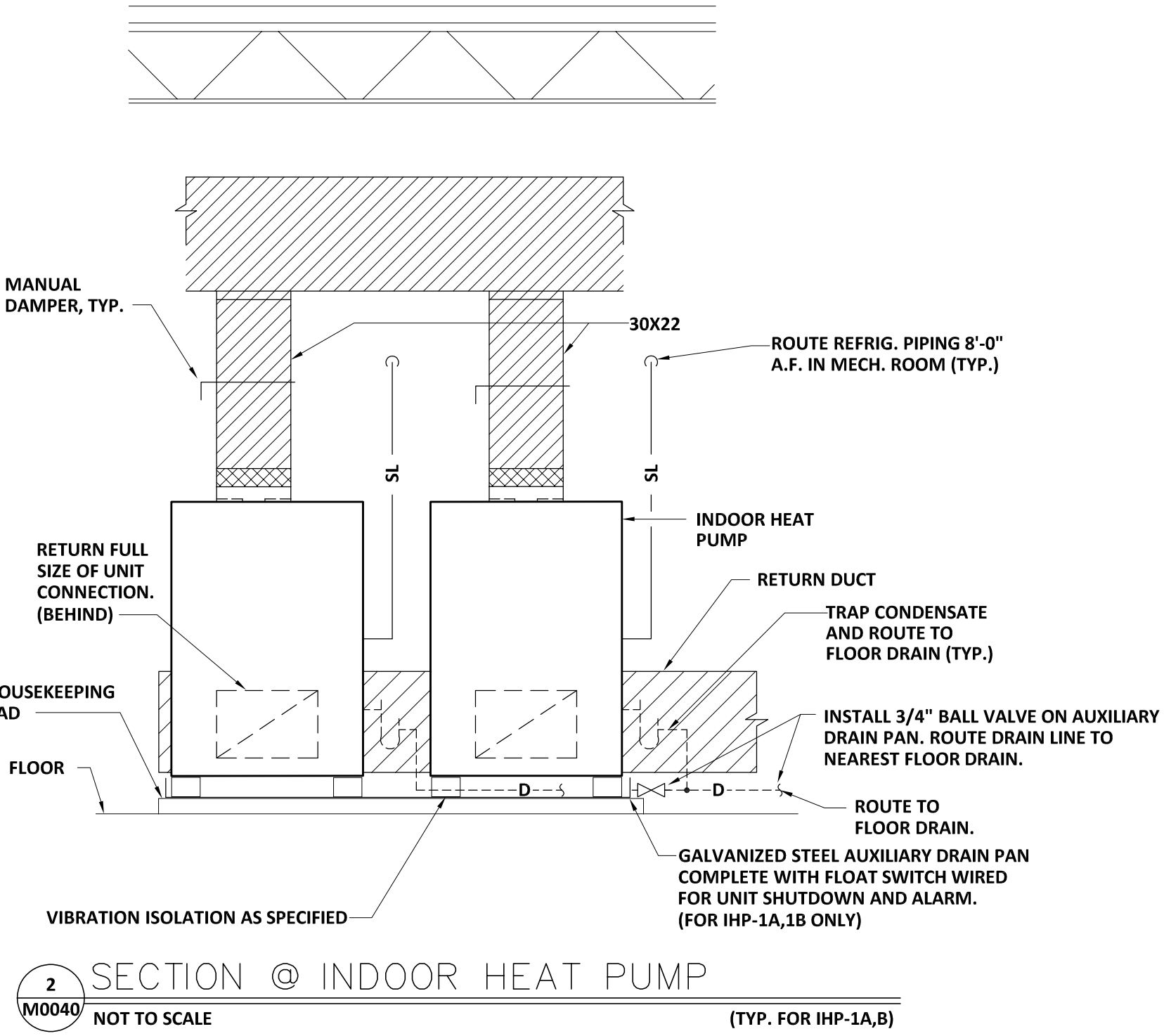
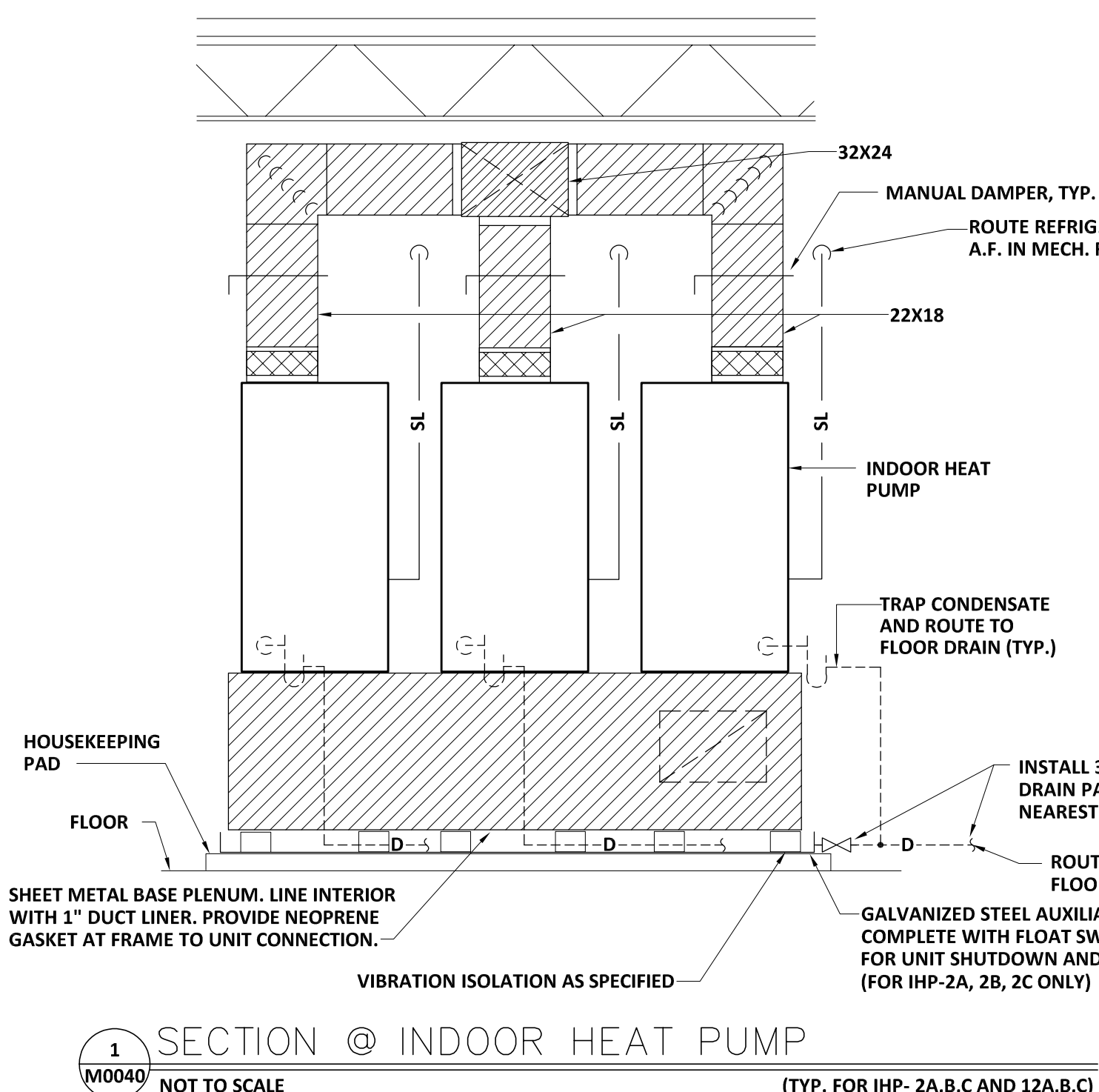


9 IN-LINE EXHAUST FAN DETAIL
M0030 NOT TO SCALE



10 EXTERIOR DUCT SUPPORT DETAIL
M0030 NOT TO SCALE





FMS INPUT/OUTPUT SUMMARY	OUTPUTS		INPUTS		SOFTWARE		
	BINARY	ANALOG	BINARY	ANALOG	ALARM	DDC	ENERGY MGMT.
	START/STOP ENABLE/DISABLE OPEN/CLOSE	SETPOINT ADJUST DDC CONTROL	DIFF. PRESSURE SWITCH AUX. CONTACT ALARM CONTACT PULSE CONTACT	TEMPERATURE RELATIVE HUMIDITY PRESSURE VOLUME (CFM) STATUS/INTERLOCK HI/LO LIMIT RUN TIME TOTALIZATION	PROPORTIONAL PROP. + INTEGRAL	TIME SCHEDULE S/S OPTIMUM START/STOP DAY/NIGHT SETBACK DEMAND LIMIT/CYCLE RESET OPTIMIZATION ECONOMIZER FAN SYNCHRONIZATION	NOTES
ROOM TEMPERATURE				X	X		
ROOM TEMPERATURE OFFSET				X		X	X
SUPPLY FAN	X						
SUPPLY AIR TEMPERATURE				X			
COMPRESSOR STAGE 1	X						
COMPRESSOR STAGE 2 (WHERE REQ'D)	X						
REVERSING VALVE		X					
AUX HEAT (1)	X						
SAFETY CIRCUIT			X				
REFRIGERANT LEAK ALARM			X				
(1) WHERE INDICATED.							

FMS INPUT/OUTPUT SUMMARY	READ				READ/WRITE		FMS SOFTWARE				NOTES	
	DIGITAL		ANALOG		DIGITAL	ANALOG	ALARM	DDC	ENERGY MGMT.			
	START/STOP ENABLE/DISABLE OPEN/CLOSE DIFF. PRESSURE SWITCH CURRENT SENSING RELAY ALARM STATUS TEMPERATURE % COMMAND VOLUME (CFM) SPEED RELATIVE HUMIDITY DIFF. PRESSURE SWITCH STATUS ALARM CONTACT PULSE CONTACT CURRENT SENSING RELAY TEMPERATURE RELATIVE HUMIDITY PRESSURE VOLUME (CFM) STATUS/INTERLOCK HI/LO LIMIT RUN TIME TOTALIZATION						PROPORTIONAL PROP. + INTEGRAL TIME SCHEDULE S/S OPTIMUM START/STOP DAY/NIGHT SETBACK DEMAND LIMIT/CYCLE RESET OPTIMIZATION ECONOMIZER FAN SYNCHRONIZATION					
COLD COIL SETPOINT TEMPERATURE						X					X	
OA TEMPERATURE			X									
OA HUMIDITY				X								
SUPPLY TEMPERATURE SETPOINT						X					X	
OCCUPANCY INPUT					X				X			
SHUTDOWN ALARM					X							
OA INTAKE DAMPER								X				
SUPPLY FAN	X		X						X			
OA FILTER STATUS		X										
CONDENSER STAGE (%)				X								
SUPPLY TEMP. AFTER EVAP. COIL			X									
ELECTRIC HEAT	X		X									
SUPPLY TEMP. AFTER HEATER			X									
HGRH REVERSING VALVE			X									
REFRIG. LEAK ALARM					X							

(1) SCHEDULED POINTS ARE FOR INTEGRATION VIA BACNET INTERFACE. FMS SHALL ONLY CONTROL WRITEABLE POINTS INDICATED AND PROVIDE ADDITIONAL SOFTWARE AS REQUIRED PER SEQUENCE OF OPERATION (OCCUPANCY SCHEDULE, RESET OPTIMIZATION, ETC.). SENSORS SHALL BE PROVIDED AND COORDINATED WITH THE MANUFACTURER PRIOR TO ORDERING EQUIPMENT. NO ADDITIONAL SENSORS ARE SPECIFIED OR REQUIRED BY THE FMS CONTRACTOR. INCORPORATE ALL POINTS ONTO GRAPHICS PAGE.

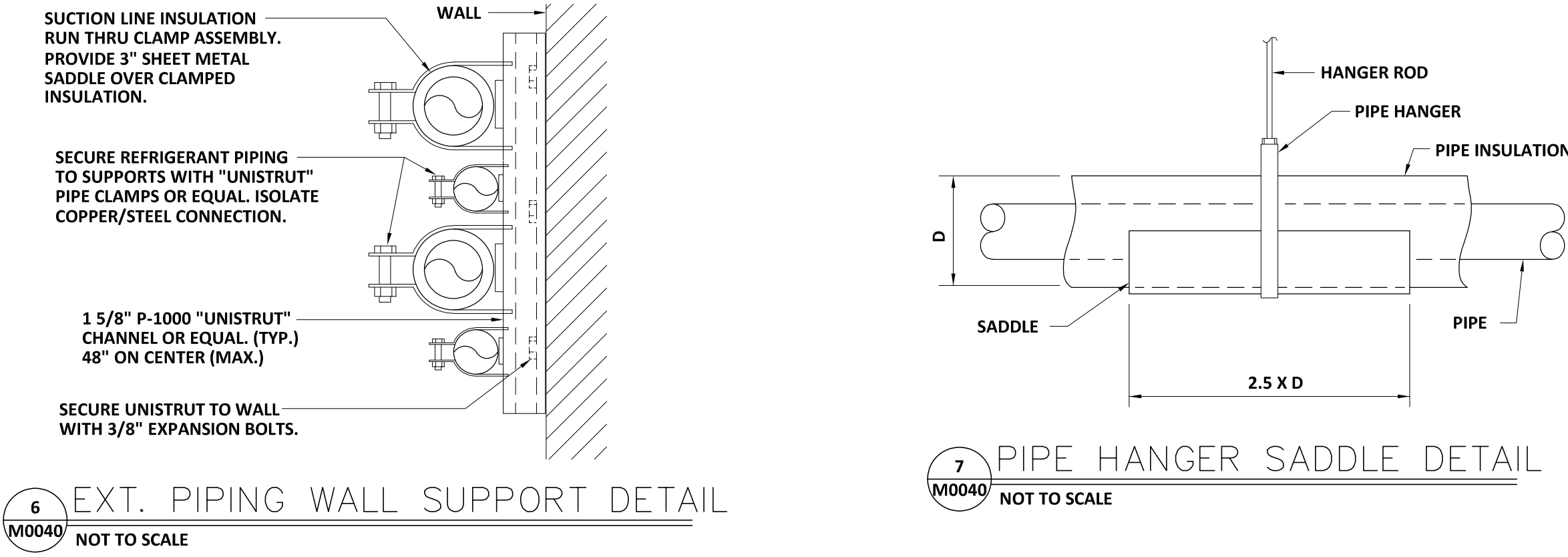
FMS INPUT/OUTPUT SUMMARY	OUTPUTS		INPUTS		SOFTWARE		
	BINARY	ANALOG	BINARY	ANALOG	ALARM	DDC	ENERGY MGMT.
	START/STOP ENABLE/DISABLE OPEN/CLOSE	SETPOINT ADJUST DDC CONTROL	DIFF. PRESSURE SWITCH AUX. CONTACT ALARM CONTACT PULSE CONTACT	TEMPERATURE RELATIVE HUMIDITY PRESSURE VOLUME (CFM) STATUS/INTERLOCK HI/LO LIMIT RUN TIME TOTALIZATION	PROPORTIONAL PROP. + INTEGRAL	TIME SCHEDULE S/S OPTIMUM START/STOP DAY/NIGHT SETBACK DEMAND LIMIT/CYCLE RESET OPTIMIZATION ECONOMIZER FAN SYNCHRONIZATION	NOTES
TYPICAL EXHAUST FAN	X			X		X	(1)
FREERZER TEMPERATURE SENSOR				X			(1)
COOLER TEMPERATURE SENSOR				X			(1)
OUTSIDE AIR TEMPERATURE				X			
OUTSIDE AIR HUMIDITY				X			
UNIT HEATERS	X						
(1) COOLER/FREERZER TEMPERATURES SHALL ALARM VIA TEXT MESSAGE, PHONE CALL, AND/OR EMAIL. COORDINATE REQUIREMENTS AND LIST OF CONTACTS WITH THE OWNER.							

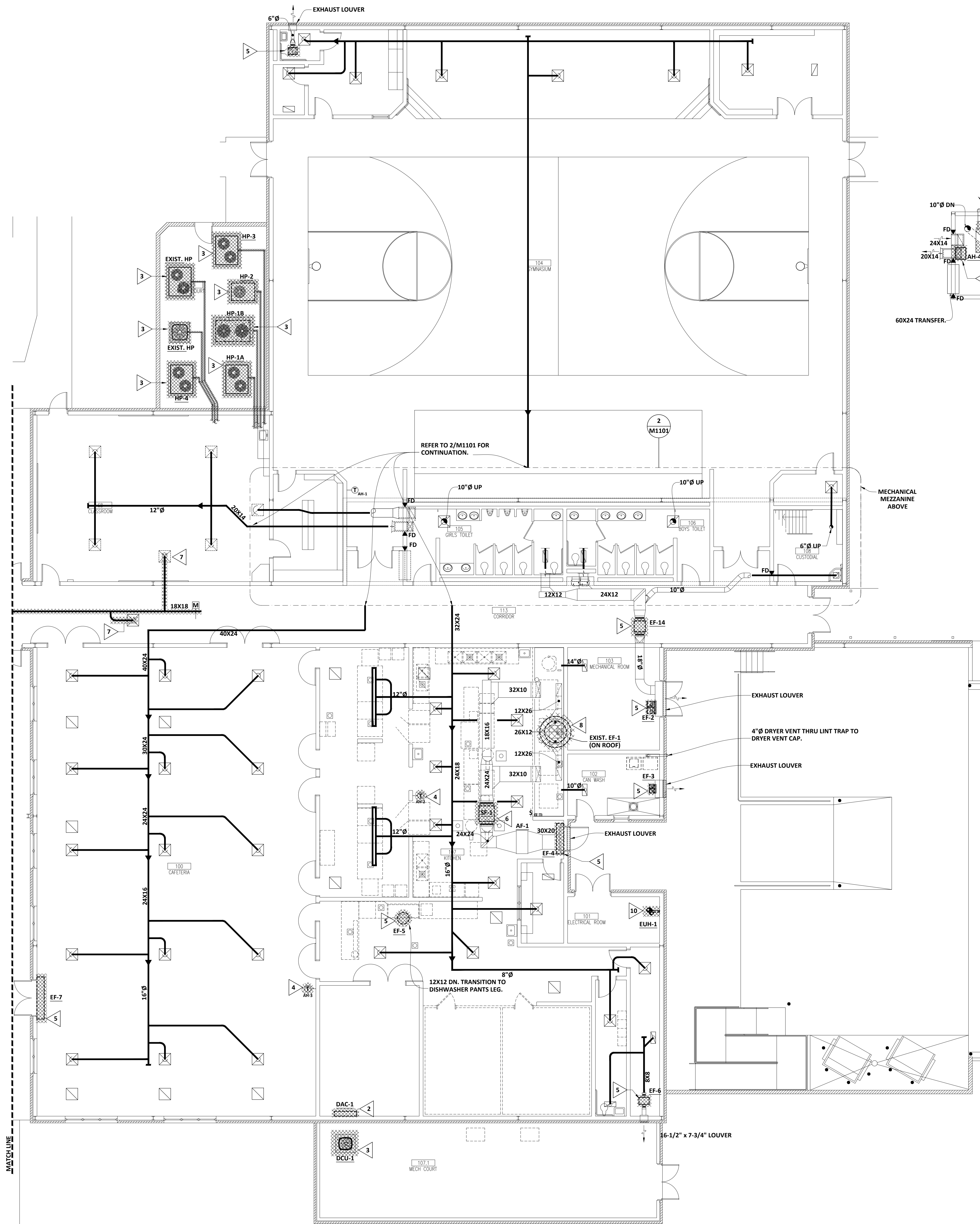
THE EXISTING FACILITY MANAGEMENT SYSTEM IS TO BE REPLACED, INCLUDING BUT NOT LIMITED TO CONTROLLERS, SENSORS, THERMOSTATS, ACTUATORS, SERVERS, AND SOFTWARE. CONTROL PANELS, WIRING, AND CONDUIT MAY BE RE-USED ONLY WHERE APPROPRIATE AND IN GOOD CONDITION.

WHERE NEW THERMOSTATS ARE INDICATED ON THE PLANS ARE INSTALLED IN A DIFFERENT LOCATION AS EXISTING, INSTALL NEW WIRING IN WIREMOLD WITH THERMOSTAT IN SURFACE MOUNT BACKBOX PER DIVISION 23. WIREMOLD METAL BACKBOX SHALL BE AN IVORY, SHALLOW TYPE, SINGLE- OR TWO-GANG TO MATCH THERMOSTAT PROVIDED. INSTALL WIREMOLD #V500 SURFACE METAL RACEWAY FROM BACK BOX UP TO ABOVE ACOUSTICAL TILE CEILING FOR CONTROLS CABLING. PROVIDE BOX FITTINGS AND WIREMOLD STRAPS AS REQUIRED. CONFIRM CABLE TYPE AND, IF NECESSARY, PROVIDE #V700 RACEWAY IN LIEU OF #V500 RACEWAY BASED ON HVAC CONTROL CABLE DIAMETER.

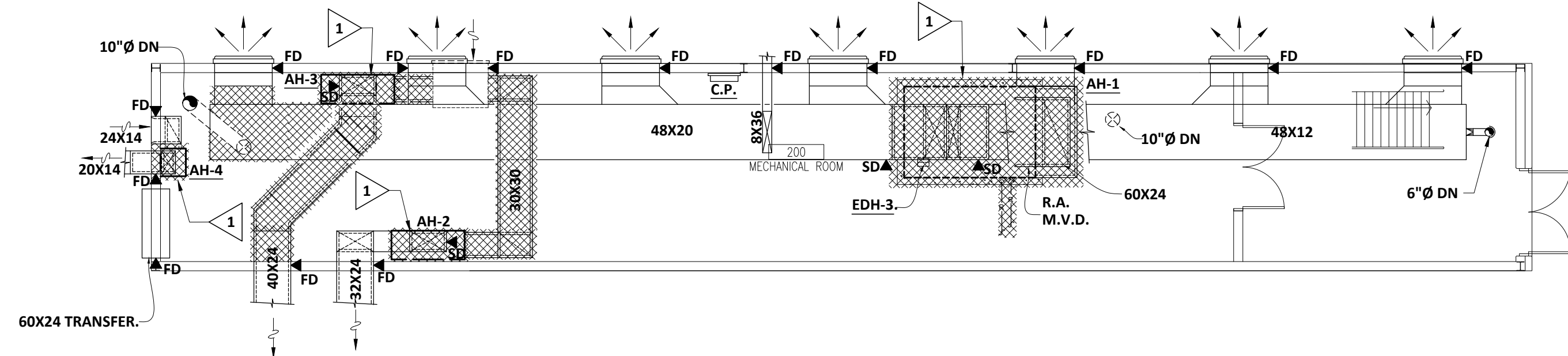
FMS INPUT/OUTPUT SUMMARY	OUTPUTS		INPUTS		SOFTWARE		
	BINARY	ANALOG	BINARY	ANALOG	ALARM	DDC	ENERGY MGMT.
	START/STOP ENABLE/DISABLE OPEN/CLOSE	SETPOINT ADJUST DDC CONTROL	DIFF. PRESSURE SWITCH AUX. CONTACT ALARM CONTACT PULSE CONTACT	TEMPERATURE RELATIVE HUMIDITY PRESSURE VOLUME (CFM) STATUS/INTERLOCK HI/LO LIMIT RUN TIME TOTALIZATION	PROPORTIONAL PROP. + INTEGRAL	TIME SCHEDULE S/S OPTIMUM START/STOP DAY/NIGHT SETBACK DEMAND LIMIT/CYCLE RESET OPTIMIZATION ECONOMIZER FAN SYNCHRONIZATION	NOTES
ROOM TEMPERATURE				X			
ROOM OFFSET				X			
COMPRESSOR	X						
COMPRESSOR STAGE 2 (WHERE REQ'D)	X						
REVERSING VALVE (HEAT/COOL)		X					
AUX HEAT	X						
SUPPLY FAN	X					X	
REFRIGERANT LEAK ALARM			X				

FMS INPUT/OUTPUT SUMMARY	OUTPUTS		INPUTS		SOFTWARE		
	BINARY	ANALOG	BINARY	ANALOG	ALARM	DDC	ENERGY MGMT.
	START/STOP ENABLE/DISABLE OPEN/CLOSE	SETPOINT ADJUST DDC CONTROL	DIFF. PRESSURE SWITCH AUX. CONTACT ALARM CONTACT PULSE CONTACT	TEMPERATURE RELATIVE HUMIDITY PRESSURE VOLUME (CFM) STATUS/INTERLOCK HI/LO LIMIT RUN TIME TOTALIZATION	PROPORTIONAL PROP. + INTEGRAL	TIME SCHEDULE S/S OPTIMUM START/STOP DAY/NIGHT SETBACK DEMAND LIMIT/CYCLE RESET OPTIMIZATION ECONOMIZER FAN SYNCHRONIZATION	NOTES
ROOM TEMPERATURE				X			(1)
REFRIG. LEAK ALARM			X				
(1) TEMPERATURE POINT FOR INFORMATION ONLY. CONTROL SHALL BE BY THERMOSTAT FURNISHED BY UNIT MANUFACTURER.							





1 HVAC DEMOLITION PLAN CAFETERIA & GYMNASIUM
SCALE: 1/8" = 1'-0"



2 HVAC DEMOLITION PLAN MEZZANINE
SCALE: 1/8" = 1'-0"

DEMOLITION NOTES (THIS SHEET ONLY):

- 1 REMOVE EXISTING INDOOR AIR HANDLING UNIT INCLUDING FLEXIBLE CONNECTIONS, RETURN FLENUM, PIPING, CONTROLS, DRAIN PAN, ACCESSORIES AND DUCTWORK TO THE EXTENT SHOWN.
- 2 REMOVE EXISTING FLOOR CONSOLE SPLIT SYSTEM AND ASSOCIATED PIPING, WIRING, CONTROLS, AND ACCESSORIES.
- 3 REMOVE EXISTING OUTDOOR CONDENSING UNIT/HEAT PUMP INCLUDING ASSOCIATED PIPING, CONTROLS, AND ACCESSORIES. ABANDON EXISTING UNDERGROUND REFRIGERANT PIPING. CAP EXISTING PVC PIPE SLEEVE ABOVE GRADE.
- 4 REMOVE EXISTING THERMOSTAT AND ASSOCIATED SENSORS. PREPARE WALL FOR INSTALLATION OF NEW THERMOSTAT.
- 5 REMOVE EXISTING EXHAUST FAN AND ASSOCIATED FLEXIBLE CONNECTORS, DAMPER, CONTROLS, AND ACCESSORIES.
- 6 REMOVE EXISTING MAKEUP AIR SUPPLY FAN, CONTROLS, DAMPER, AND ACCESSORIES.
- 7 REMOVE FLEX DUCT AT DIFFUSER INLET. CAP, SEAL, AND INSULATE DUCT RUNOUT. ABANDON EXISTING DIFFUSER IN PLACE. CAP AND INSULATE DUCT COLLAR AT DIFFUSER.
- 8 REMOVE EXISTING GREASE EXHAUST FAN CONTROLS, AND ACCESSORIES.
- 9 REMOVE EXISTING SUPPLY DUCTWORK TO THE EXTENT SHOWN, INCLUDING ASSOCIATED INSULATION, HANGERS, AND ACCESSORIES.
- 10 REMOVE EXISTING ELECTRICAL UNIT HEATER AND ASSOCIATED CONTROLS AND ACCESSORIES.

1/4 1/2 3/4
REFERENCE SCALE
PLOT DATE: 10/20/25
FILENAME: 25075 M1
PLOT SCALE: 1" = 96'
CMC

HVAC Replacement of
WG Nunn Elementary School
1610 Lakeland Ave. Valdosta, GA 31602
Valdosta City School System

M1101
FACILITY NO: 792-0110

PROJECT NO: 24028

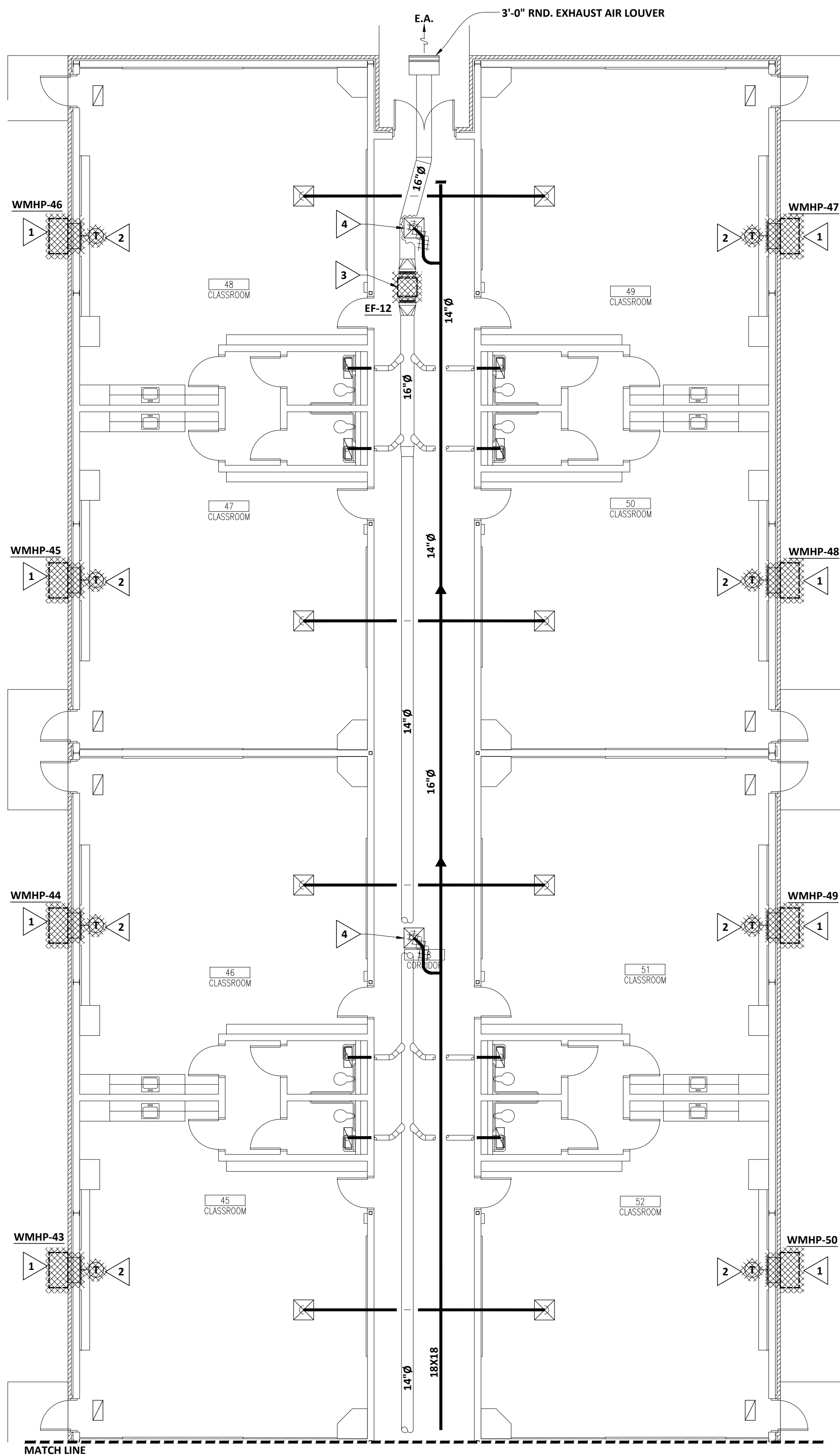
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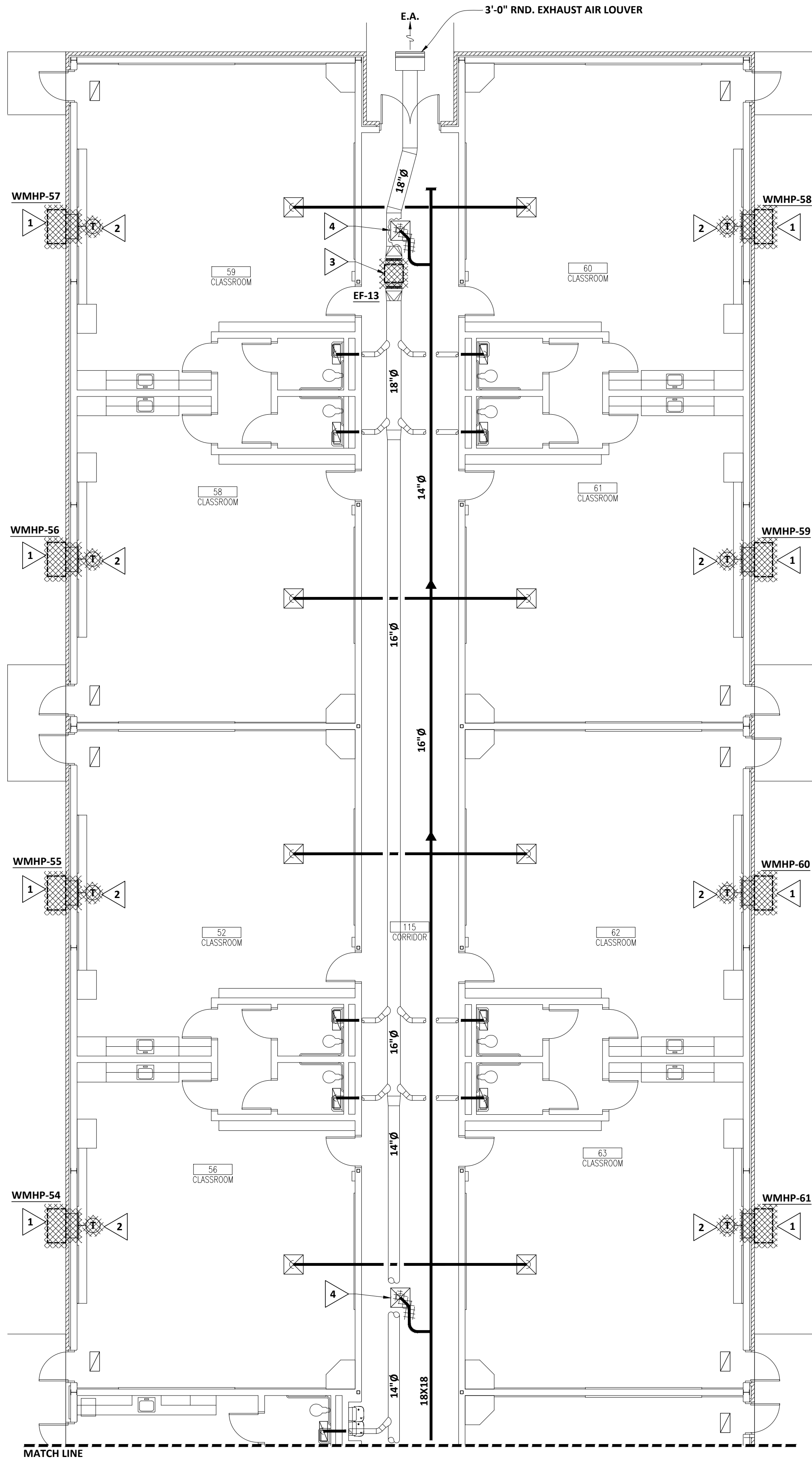
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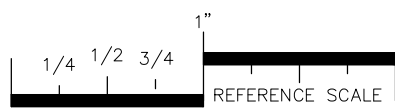
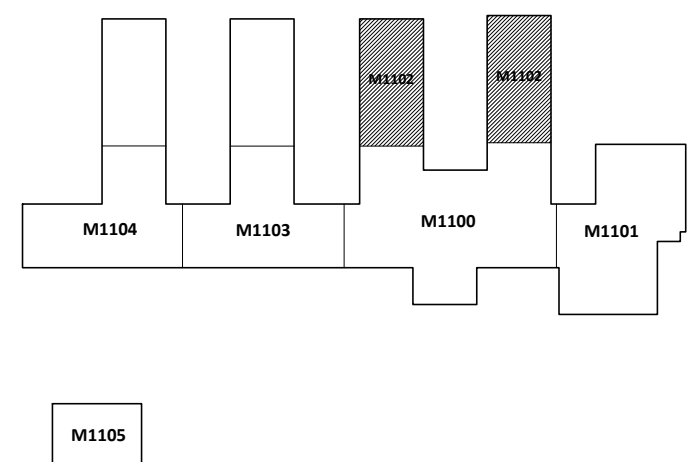
1 HVAC DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



2 HVAC DEMOLITION PLAN
SCALE: 1/8" = 1'-0"

DEMOLITION NOTES

- 1 REMOVE EXISTING WALL MOUNT HEAT PUMP INCLUDING SUPPLY AND RETURN GRILLES, DRAIN PIPING, CONTROLS, AND ACCESSORIES.
- 2 REMOVE EXISTING THERMOSTAT AND ASSOCIATED SENSORS. PREPARE WALL FOR INSTALLATION OF NEW THERMOSTAT.
- 3 REMOVE EXISTING EXHAUST FAN AND ASSOCIATED FLEXIBLE CONNECTORS, DAMPER, CONTROLS, AND ACCESSORIES.
- 4 REMOVE FLEX DUCT AT DIFFUSER INLET. CAP, SEAL, AND INSULATE DUCT RUNOUT. ABANDON EXISTING DIFFUSER IN PLACE. CAP AND INSULATE DUCT COLLAR AT DIFFUSER.



PLOT DATE: 10/20/25
FILENAME: 25075 M1
PLOT SCALE: 1" = 96'
CMC

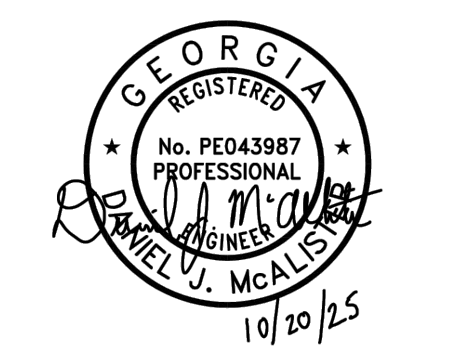
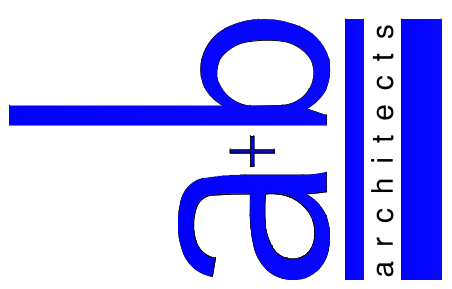
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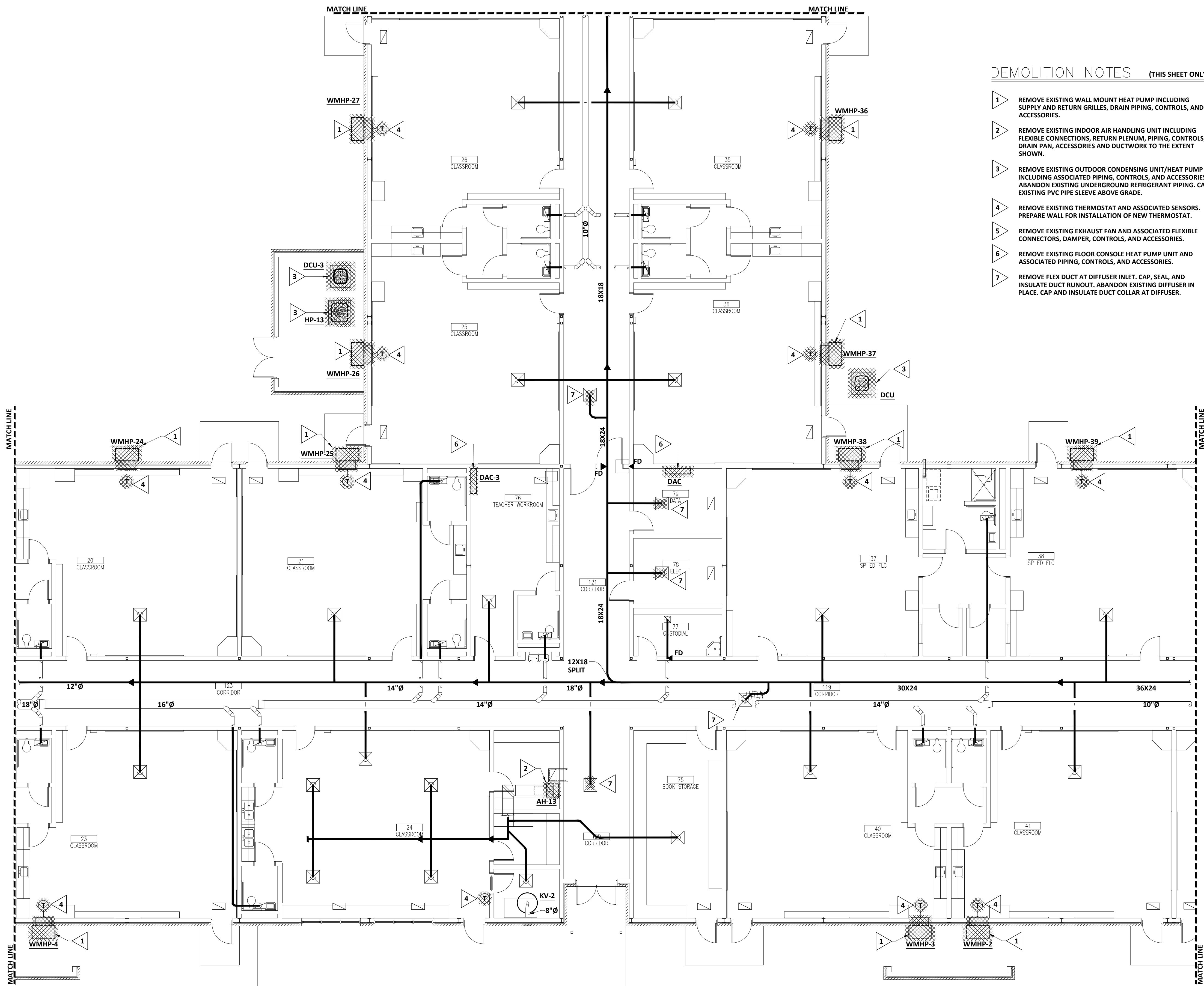
HVAC Replacement of
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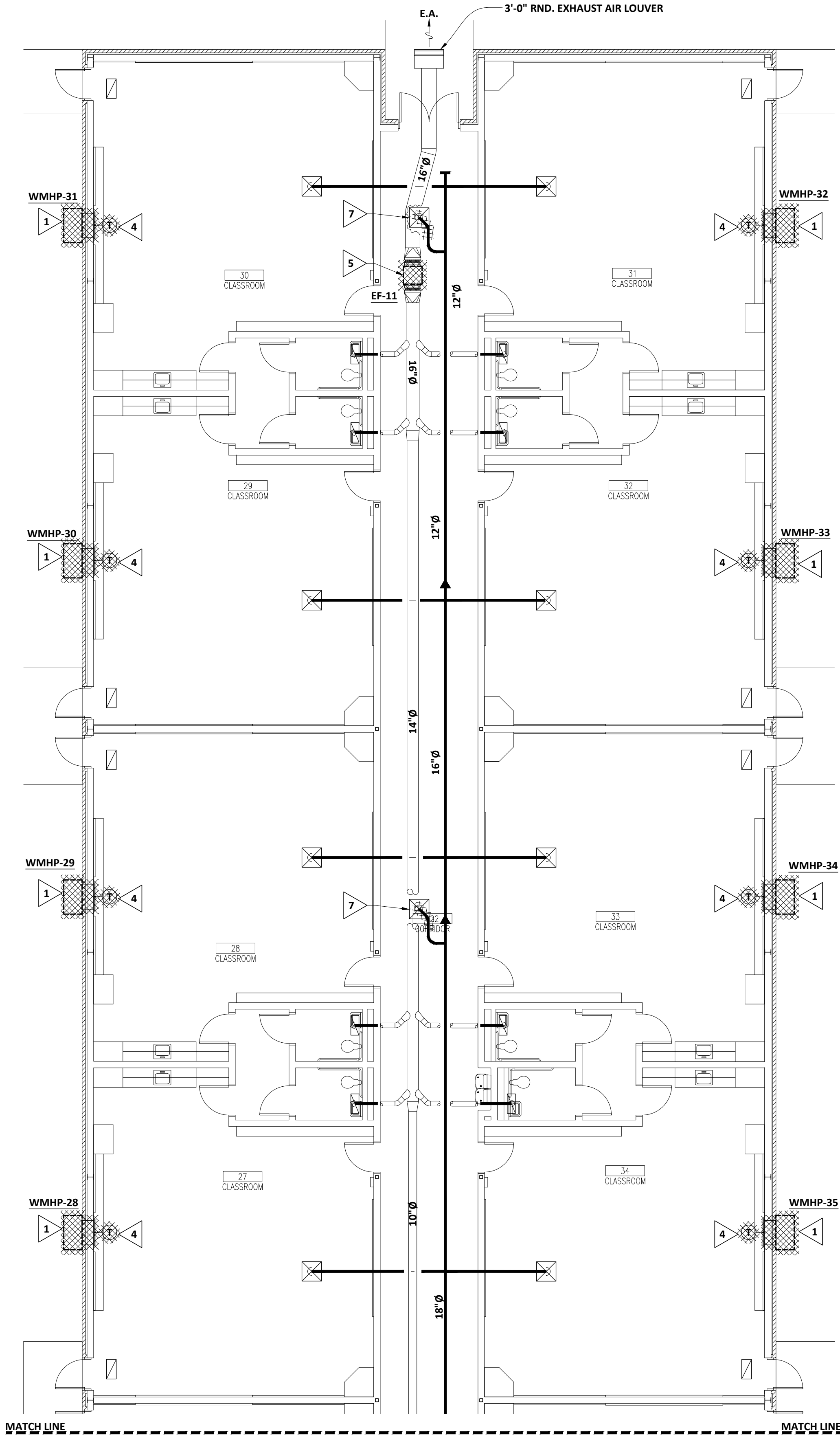
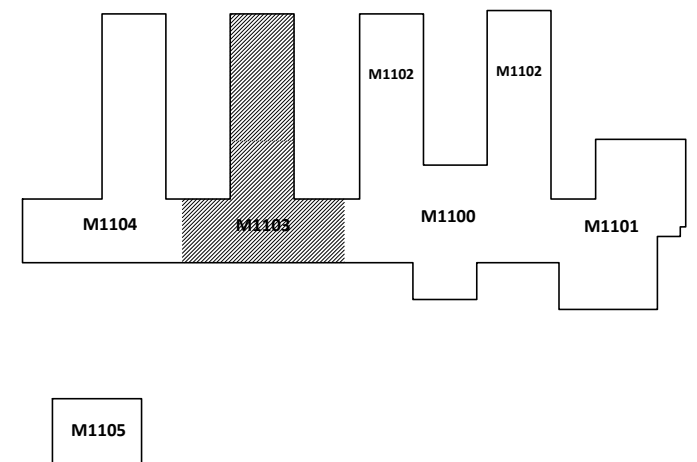
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1 HVAC DEMOLITION PLAN
M1103 SCALE: 1/8" = 1'-0"

DEMOLITION NOTES (THIS SHEET ONLY):

- 1 REMOVE EXISTING WALL MOUNT HEAT PUMP INCLUDING SUPPLY AND RETURN GRILLES, DRAIN PIPING, CONTROLS, AND ACCESSORIES.
- 2 REMOVE EXISTING INDOOR AIR HANDLING UNIT INCLUDING FLEXIBLE CONNECTIONS, RETURN PLENUM, PIPING, CONTROLS, DRAIN PAN, ACCESSORIES AND DUCTWORK TO THE EXTENT SHOWN.
- 3 REMOVE EXISTING OUTDOOR CONDENSING UNIT/HEAT PUMP INCLUDING ASSOCIATED PIPING, CONTROLS, AND ACCESSORIES. ABANDON EXISTING UNDERGROUND REFRIGERANT PIPING. CAP EXISTING PVC PIPE SLEEVE ABOVE GRADE.
- 4 REMOVE EXISTING THERMOSTAT AND ASSOCIATED SENSORS. PREPARE WALL FOR INSTALLATION OF NEW THERMOSTAT.
- 5 REMOVE EXISTING EXHAUST FAN AND ASSOCIATED FLEXIBLE CONNECTORS, DAMPER, CONTROLS, AND ACCESSORIES.
- 6 REMOVE EXISTING FLOOR CONSOLE HEAT PUMP UNIT AND ASSOCIATED PIPING, CONTROLS, AND ACCESSORIES.
- 7 REMOVE FLEX DUCT AT DIFFUSER INLET. CAP, SEAL, AND INSULATE DUCT RUNOUT. ABANDON EXISTING DIFFUSER IN PLACE. CAP AND INSULATE DUCT COLLAR AT DIFFUSER.



2 HVAC DEMOLITION PLAN
M1103 SCALE: 1/8" = 1'-0"

1/4 1/2 3/4
REFERENCE SCALE
PLOT DATE: 10/20/25
FILENAME: 25075 M1
PLOT SCALE: 1 = 96
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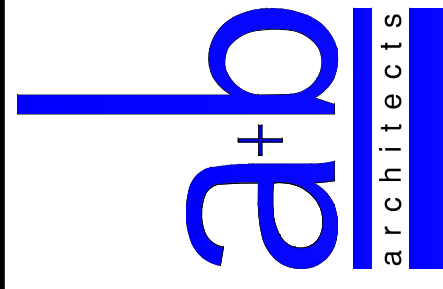
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FACILITY NO: 792-0110

PROJECT NO: 24028

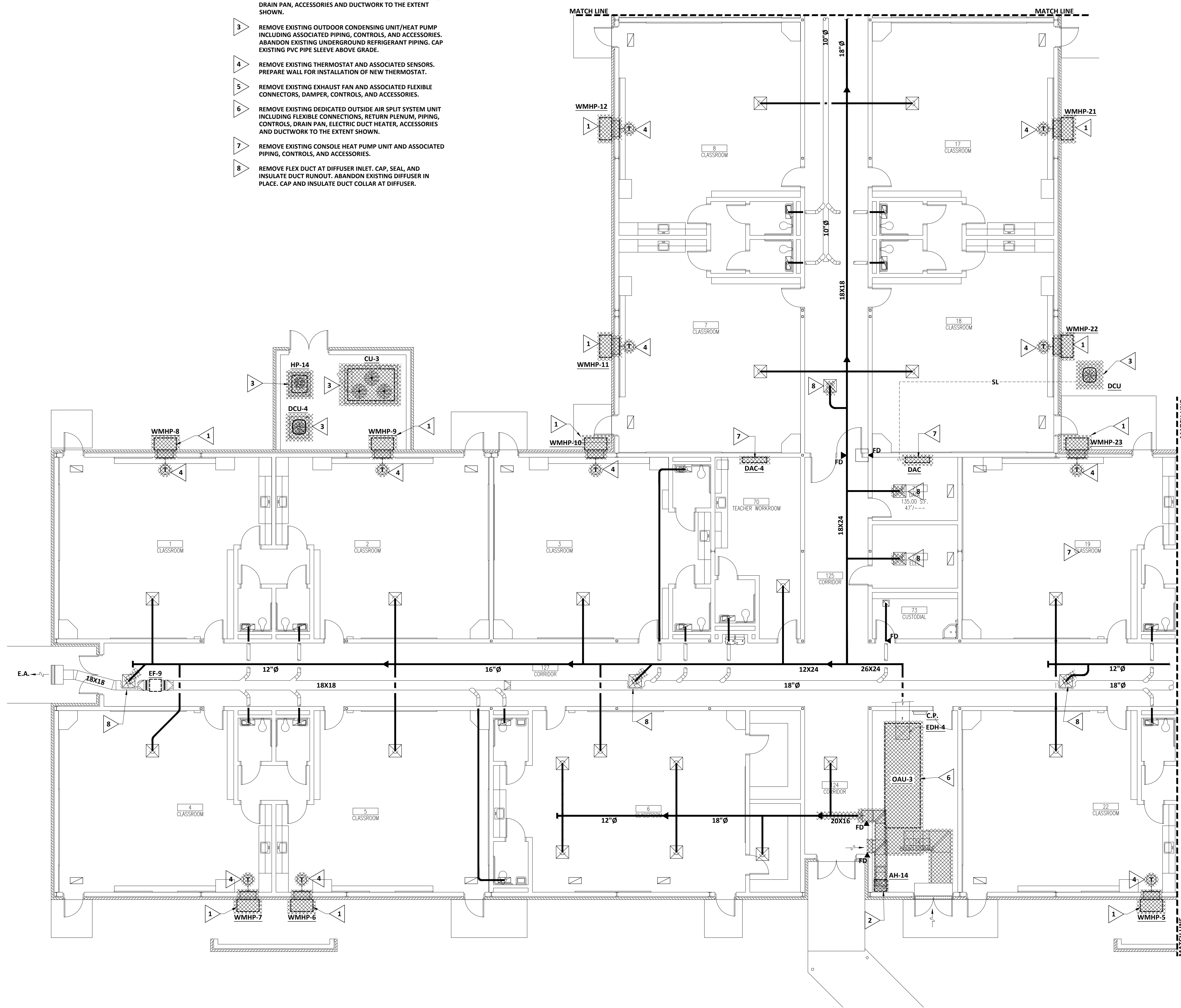
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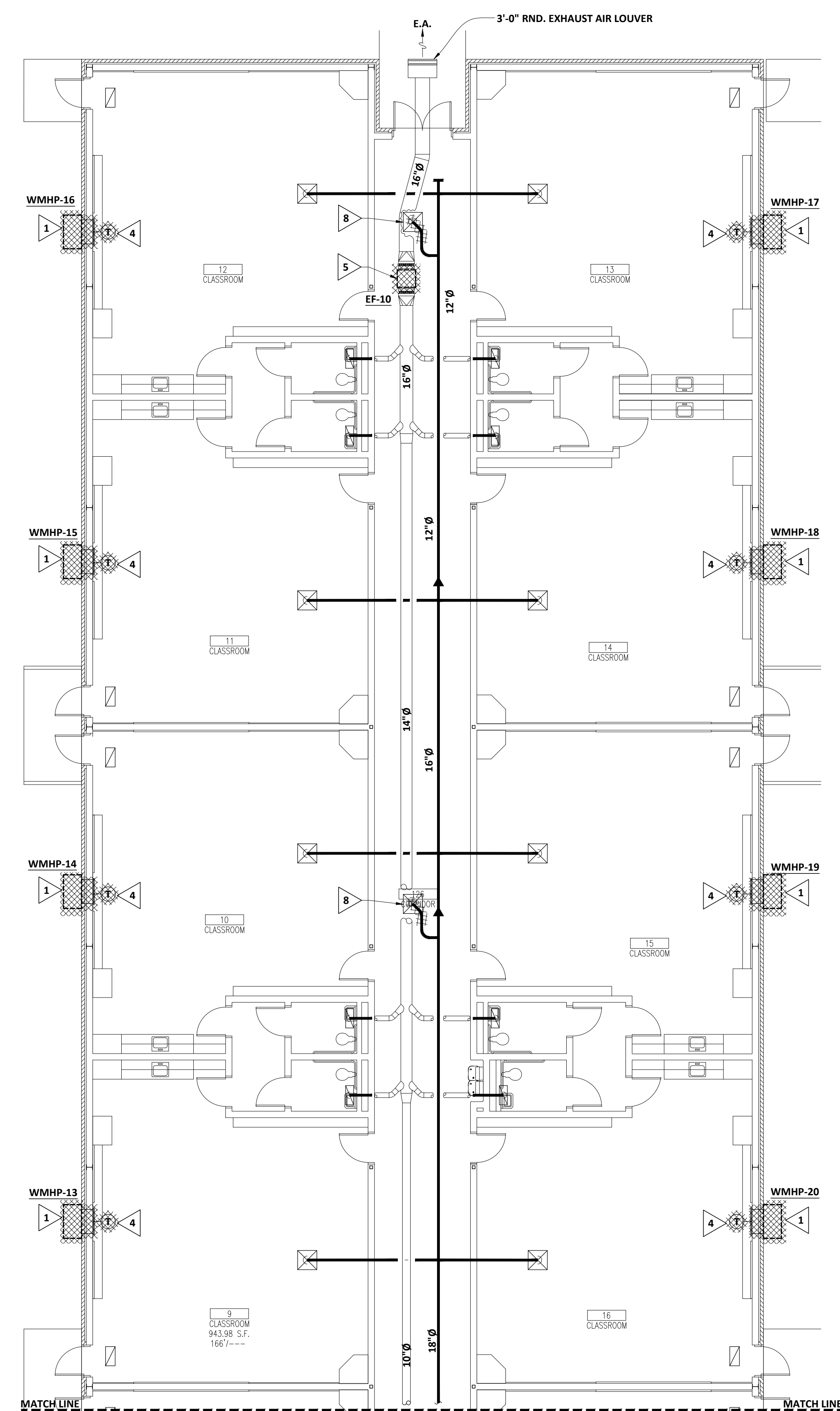
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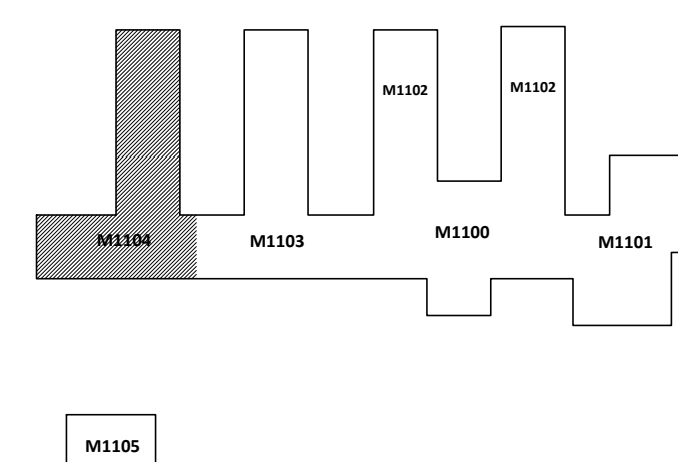
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1 HVAC DEMOLITION PLAN
M1104 SCALE: 1/8" = 1'-0"



2 HVAC DEMOLITION PLAN
M1104 SCALE: 1/8" = 1'-0"



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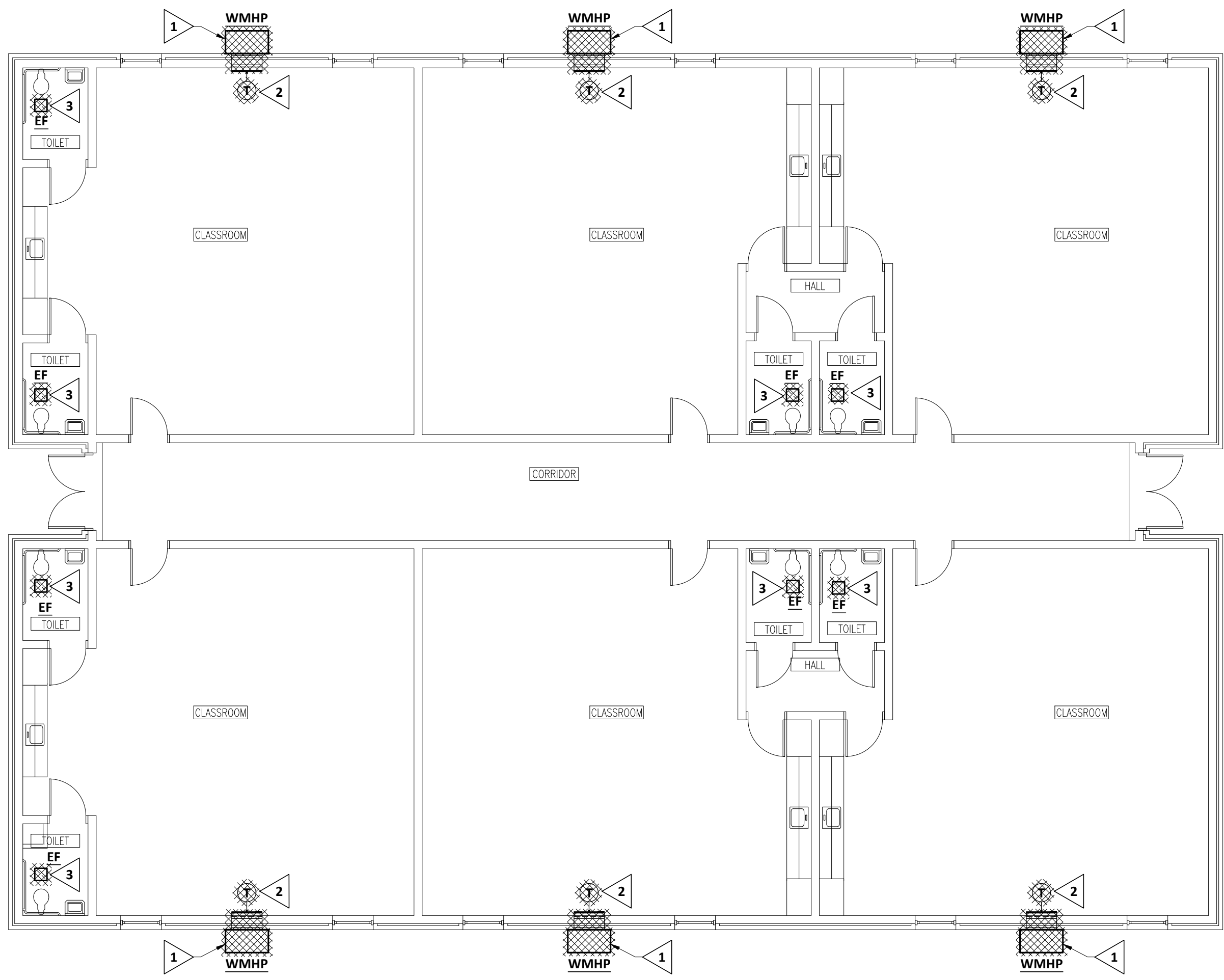
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GEORGIA
REGISTERED
No. PE043987
PROFESSIONAL
ENGINEER
DANIEL J. McALISTER
10/20/25

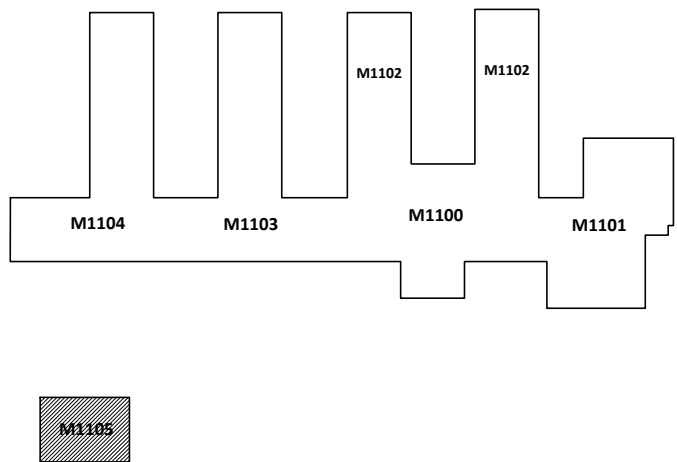
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1 HVAC DEMOLITION PLAN
M1105 SCALE: 1/8" = 1'-0"

DEMOLITION NOTES

- 1 REMOVE EXISTING WALL MOUNT HEAT PUMP INCLUDING SUPPLY AND RETURN GRILLES, DRAIN PIPING, CONTROLS, AND ACCESSORIES.
- 2 REMOVE EXISTING THERMOSTAT AND ASSOCIATED SENSORS.
- 3 REMOVE CEILING-MOUNTED EXHAUST FAN AND ACCESSORIES.



1/4 1/2 3/4 1" REFERENCE SCALE
PLOT DATE: 10/20/25
FILENAME: 25075 M1
PLOT SCALE: 1" = 96'
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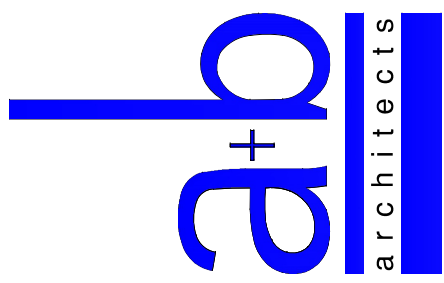
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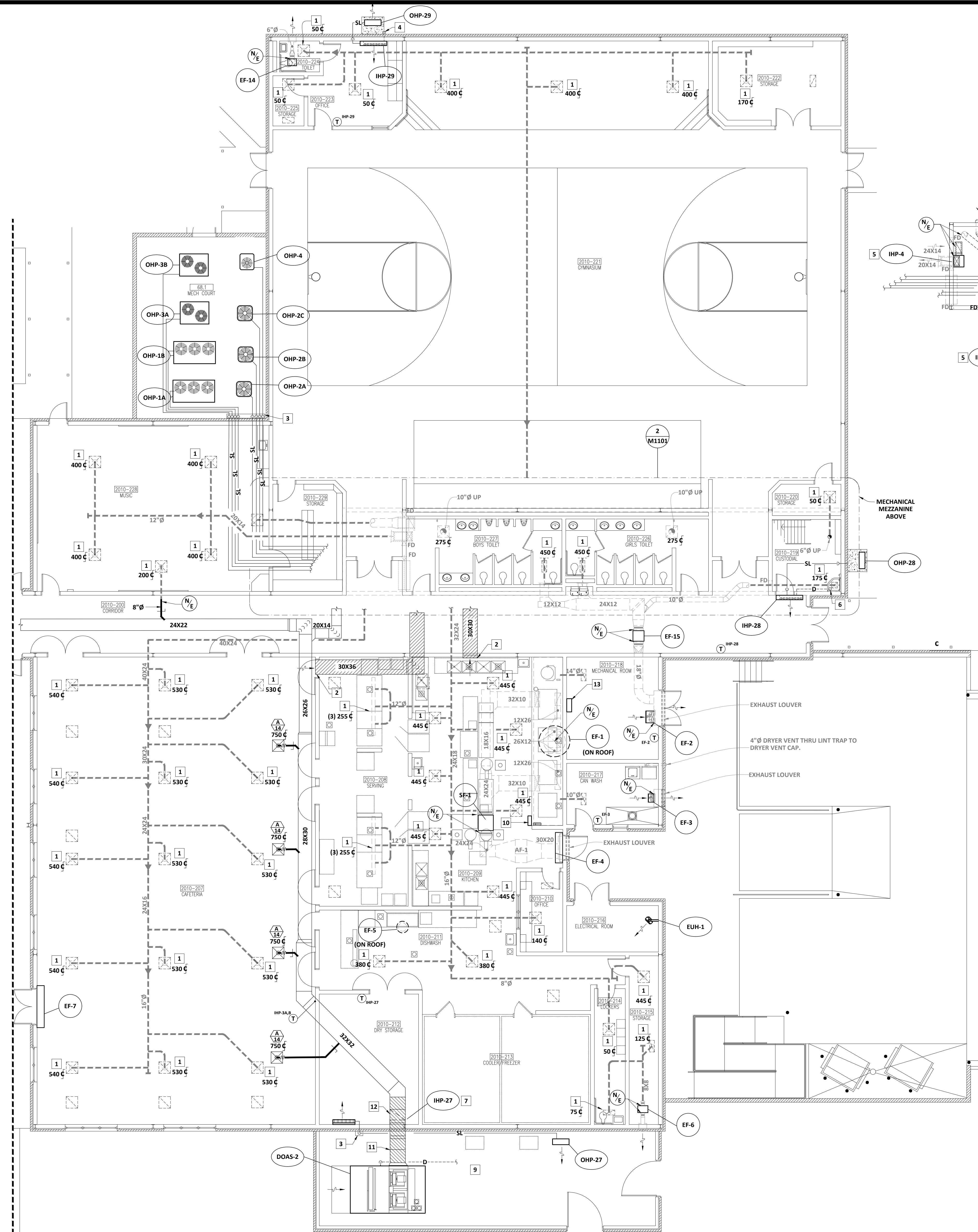
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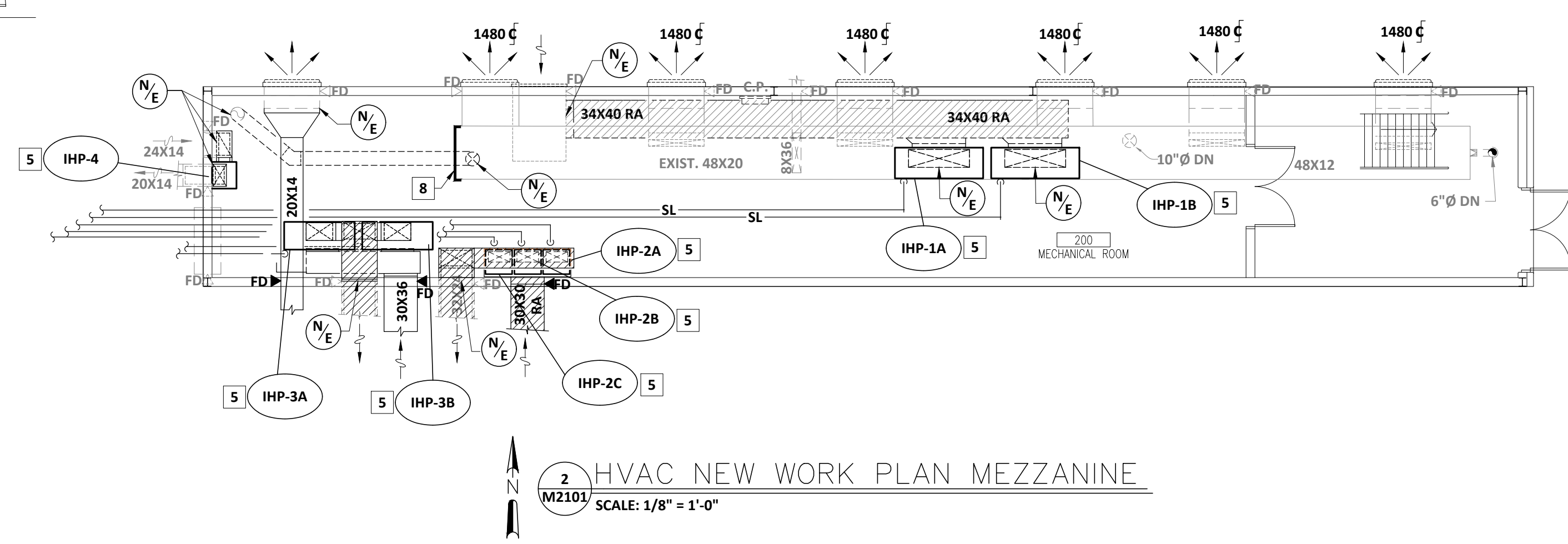
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1 HVAC NEW WORK PLAN CAFETERIA & GYMNASIUM
M2101 SCALE: 1/8" = 1'-0"



2 HVAC NEW WORK PLAN MEZZANINE
M2101 SCALE: 1/8" = 1'-0"

- KEYNOTES**
- 1 BALANCE EXISTING DIFFUSER OR GRILLE TO AIRFLOW SHOWN.
 - 2 OPEN END DUCT ABOVE CEILING (RETURN PLENUM).
 - 3 CONCEAL VERTICAL PIPING IN SHEET METAL SHROUD. SEAL TO WALL WITH WEATHERPROOF SEALANT. SHEET METAL SHALL BE KYNAR. COATED, COLOR SELECTED BY ARCHITECT
 - 4 ROUTE CONDENSATE FULL SIZE OF UNIT CONNECTION TO GRADE.
 - 5 TRAP AND ROUTE CONDENSATE FULL SIZE OF UNIT CONNECTION TO EXISTING FLOOR DRAIN. SEE DETAIL FOR AUXILIARY DRAIN PAN REQUIREMENTS.
 - 6 ROUTE CONDENSATE FULL SIZE OF UNIT CONNECTION AND DISCHARGE INTO MOP SINK.
 - 7 CONNECT NEW CONDENSATE TO EXISTING DRAIN PIPING.
 - 8 CAP, SEAL, AND INSULATE EXISTING DUCT.
 - 9 INSTALL UNIT ON ROOF CURB. TRAP AND ROUTE CONDENSATE FULL SIZE OF UNIT CONNECTION TO EXIST. AREA DRAIN. PENETRATE SIDE OF AREA DRAIN BELOW GRADE.
 - 10 RANGEHOOD CONTROL USER INTERFACE. COORDINATE EXACT PLACEMENT WITH OWNER.
 - 11 EXTERIOR DUCTWORK. INSTALL ALUMINUM JACKETING ACCORDING TO SPECIFICATIONS. COLOR SELECTION BY ARCHITECT.
 - 12 INSTALL DUCT THROUGH EXTERIOR WALL, EXPOSED, IN DRY GOODS STORAGE ROOM BELOW CEILING. OFFSET DUCT UP THROUGH CEILING TO ABOVE-CEILING SPACE. INSTALL TOP OF DUCT AT 8'-0" AT EXTERIOR WALL PENETRATION.
 - 13 RANGEHOOD VARIABLE SPEED CONTROL CABINET.

1/4 1/2 3/4
REFERENCE SCALE
PLOT DATE: 10/20/25
FILENAME: 25075 M2
PLOT SCALE: 1" = 96'
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REGISTERED PROFESSIONAL ARCHITECT
No. PC045987
MICHAEL J. MCALPIN
10/20/25

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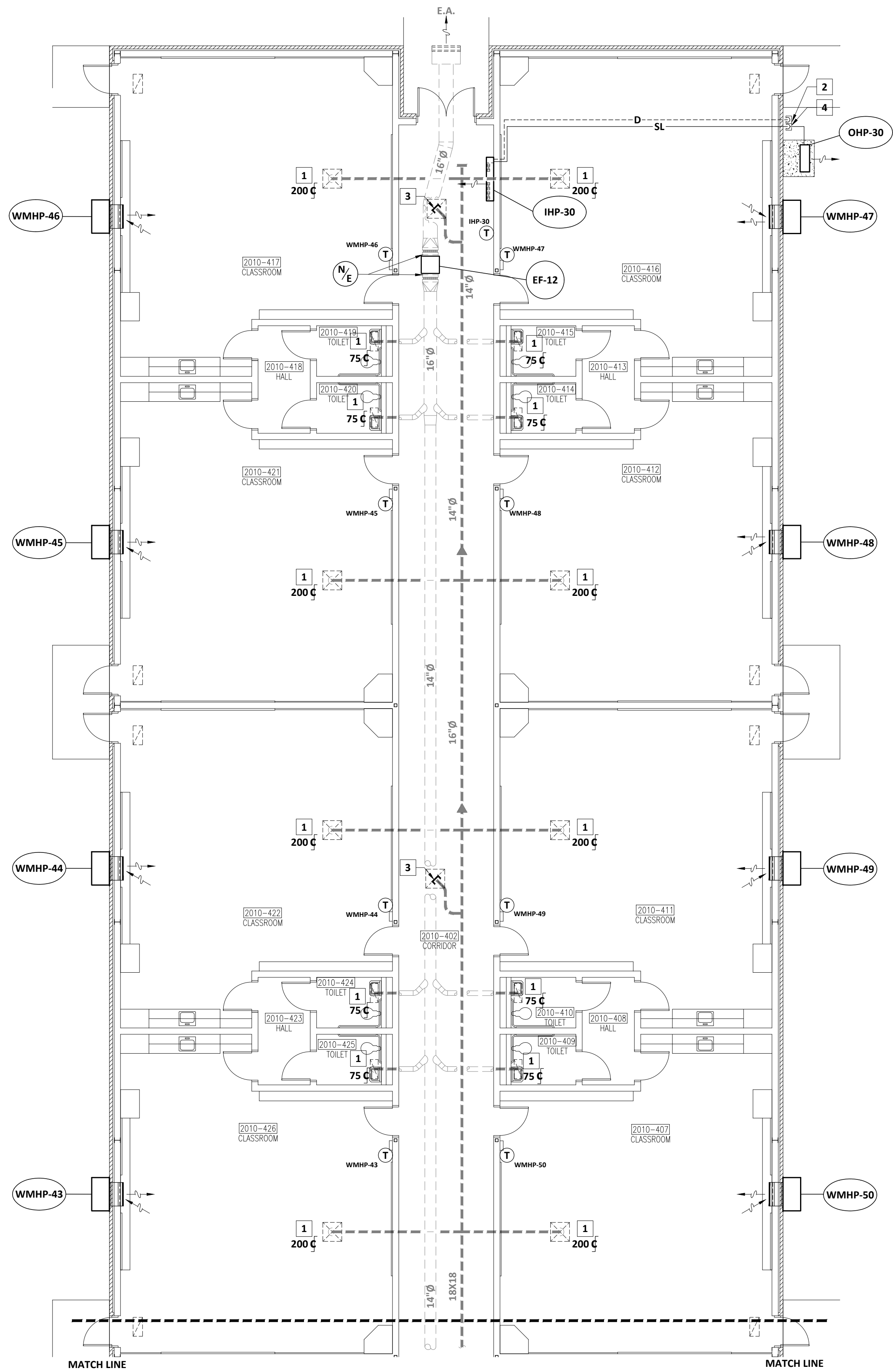
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FACILITY NO: 792-0110

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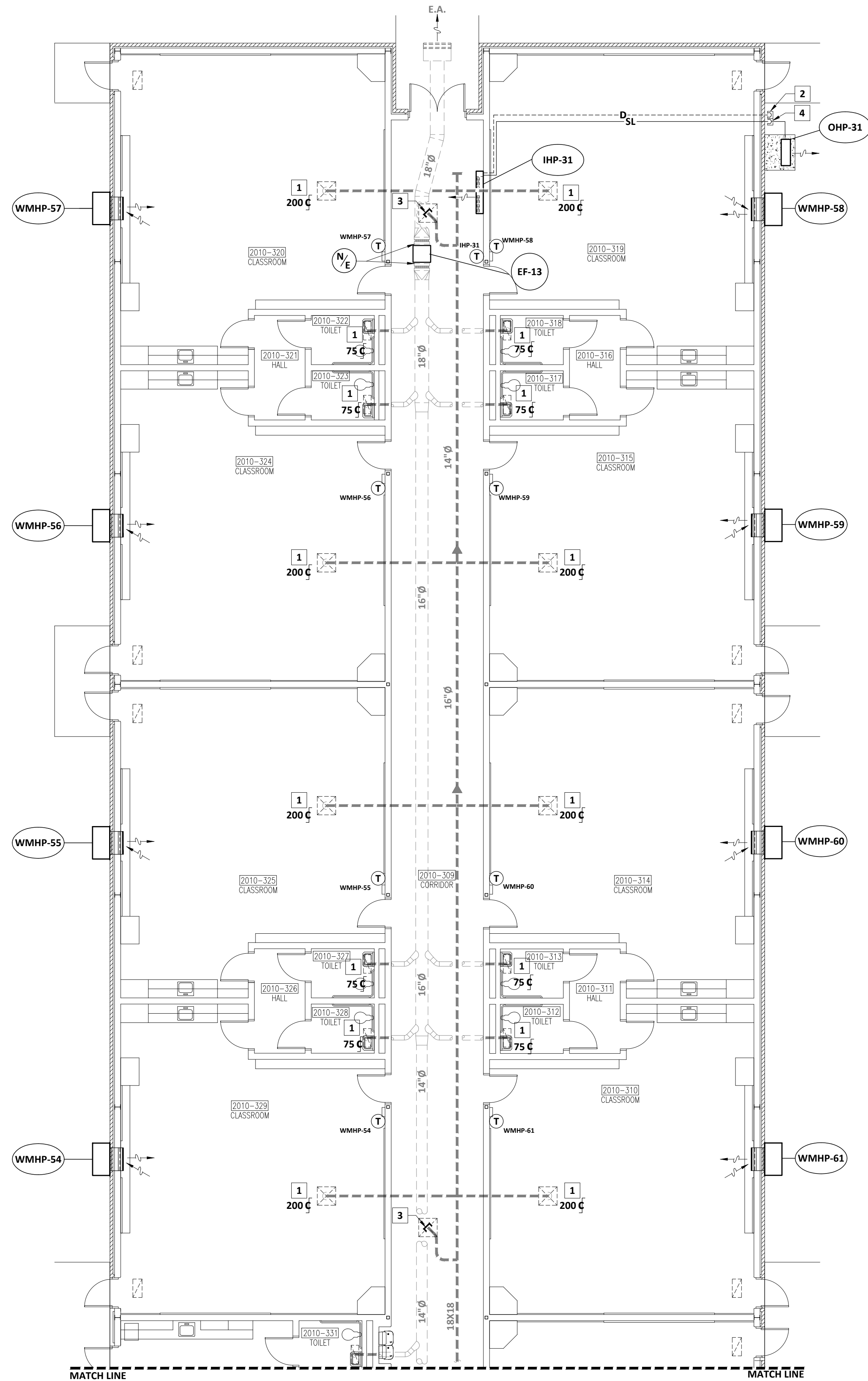
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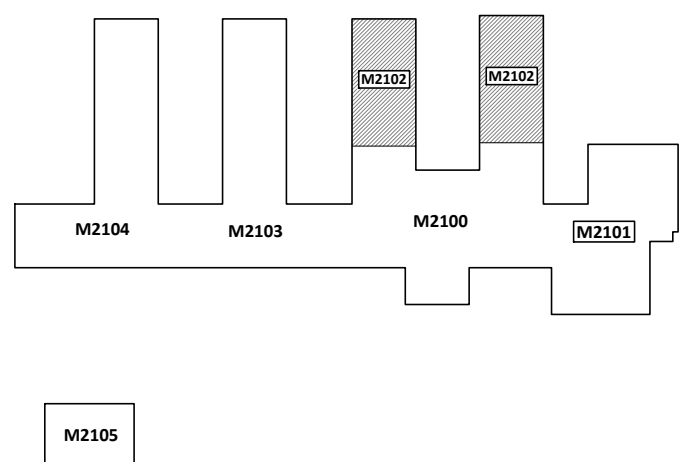


1 HVAC NEW WORK PLAN
M2102 SCALE: 1/8" = 1'-0"



2 HVAC NEW WORK PLAN
M2102 SCALE: 1/8" = 1'-0"

- KEYNOTES
- 1 BALANCE EXISTING DIFFUSER OR GRILLE TO AIRFLOW SHOWN.
 - 2 ROUTE CONDENSATE FULL SIZE OF UNIT CONNECTION TO GRADE.
 - 3 CAP, SEAL, AND INSULATE EXISTING DUCT.
 - 4 CONCEAL VERTICAL PIPING IN SHEET METAL SHROUD. SEAL TO WALL WITH WEATHERPROOF SEALANT. SHEET METAL SHALL BE KYNAR-COATED, COLOR SELECTED BY ARCHITECT.



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FILENAME: 25075 M2
PLOT SCALE: 1 = 96
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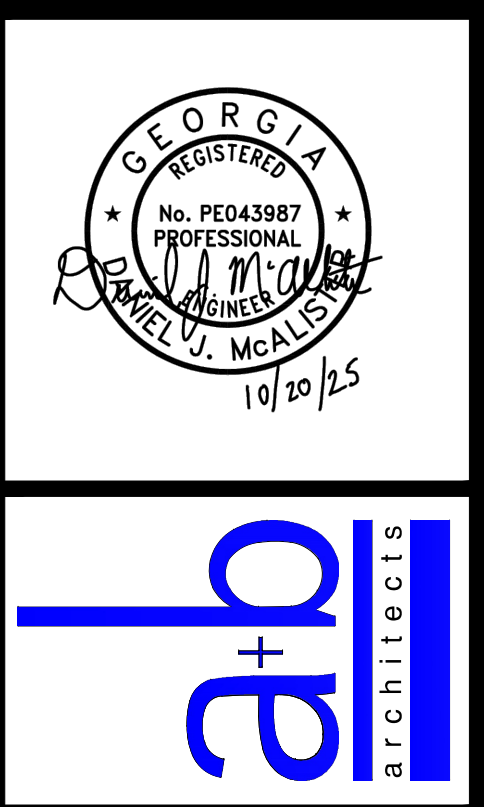
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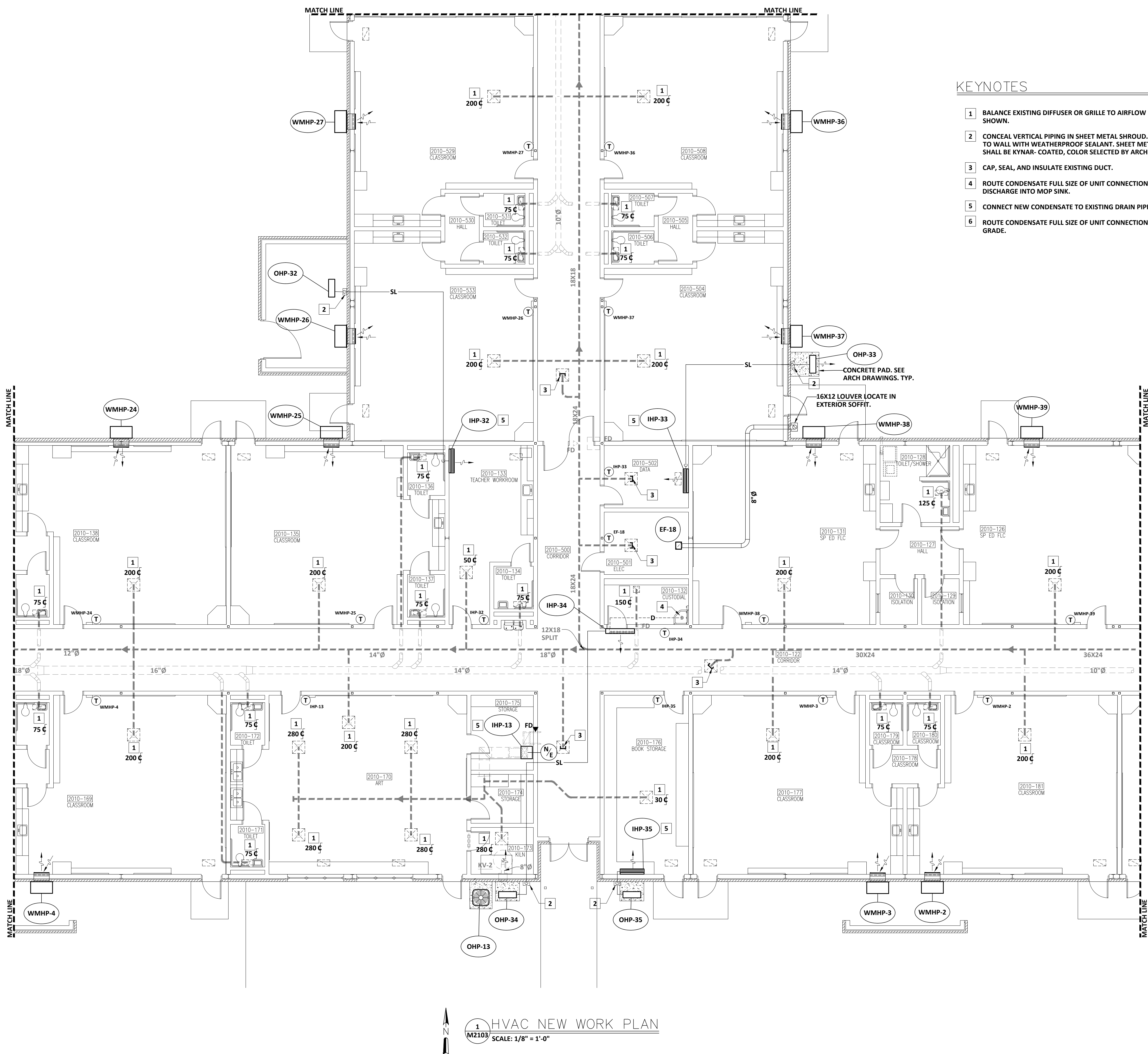
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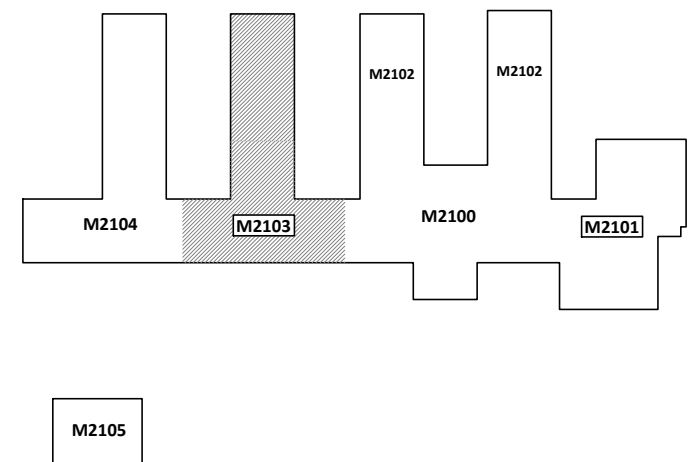
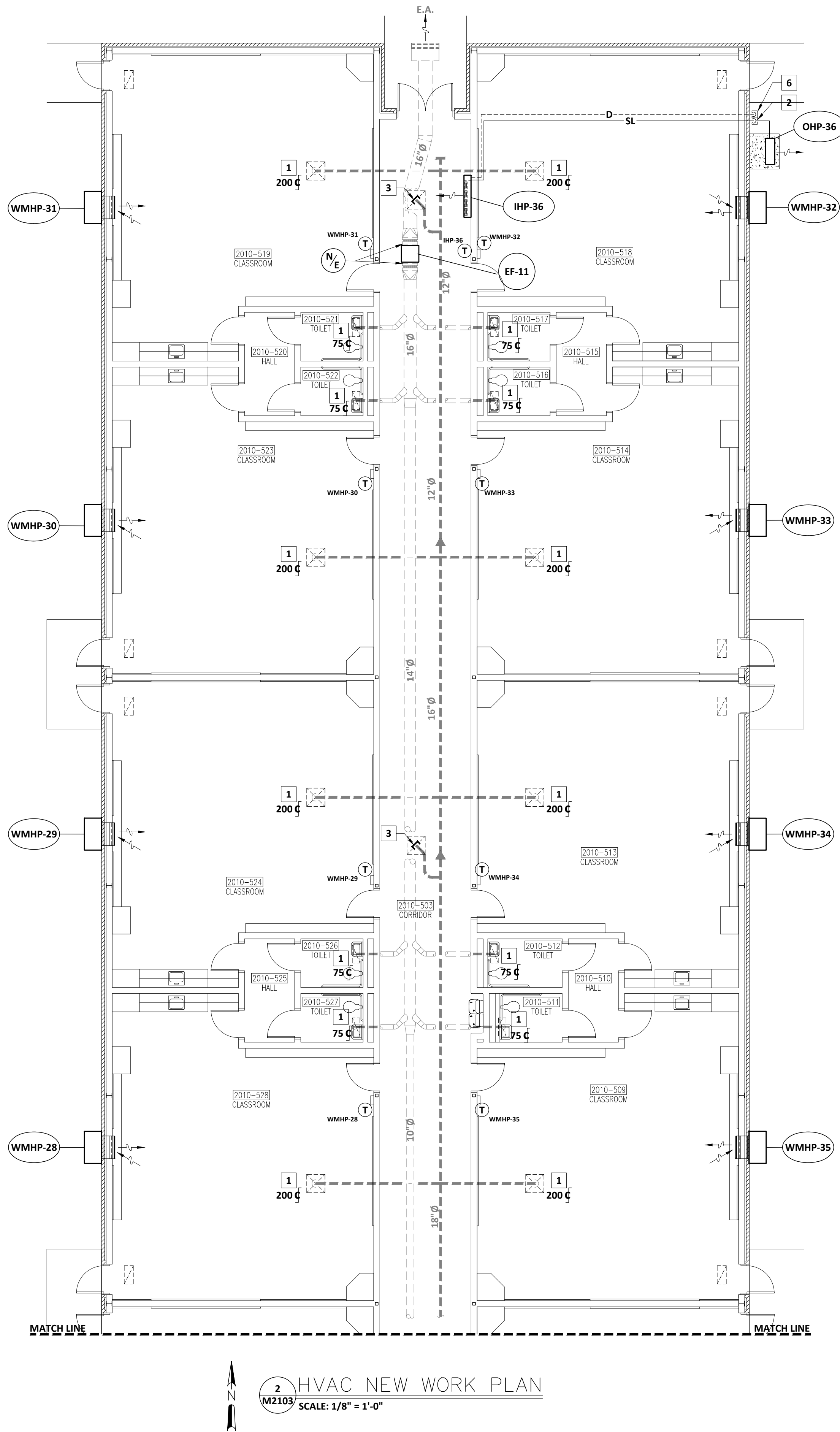
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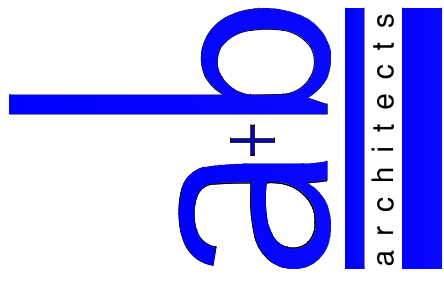
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- KEYNOTES**
- 1 BALANCE EXISTING DIFFUSER OR GRILLE TO AIRFLOW SHOWN.
 - 2 CONCEAL VERTICAL PIPING IN SHEET METAL SHROUD, SEAL TO WALL WITH WEATHERPROOF SEALANT. SHEET METAL SHALL BE KYNAR- COATED, COLOR SELECTED BY ARCHITECT.
 - 3 CAP, SEAL, AND INSULATE EXISTING DUCT.
 - 4 ROUTE CONDENSATE FULL SIZE OF UNIT CONNECTION AND DISCHARGE INTO MOP SINK.
 - 5 CONNECT NEW CONDENSATE TO EXISTING DRAIN PIPING.
 - 6 ROUTE CONDENSATE FULL SIZE OF UNIT CONNECTION TO GRADE.



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FACILITY NO: 792-0110
PROJECT NO: 24028

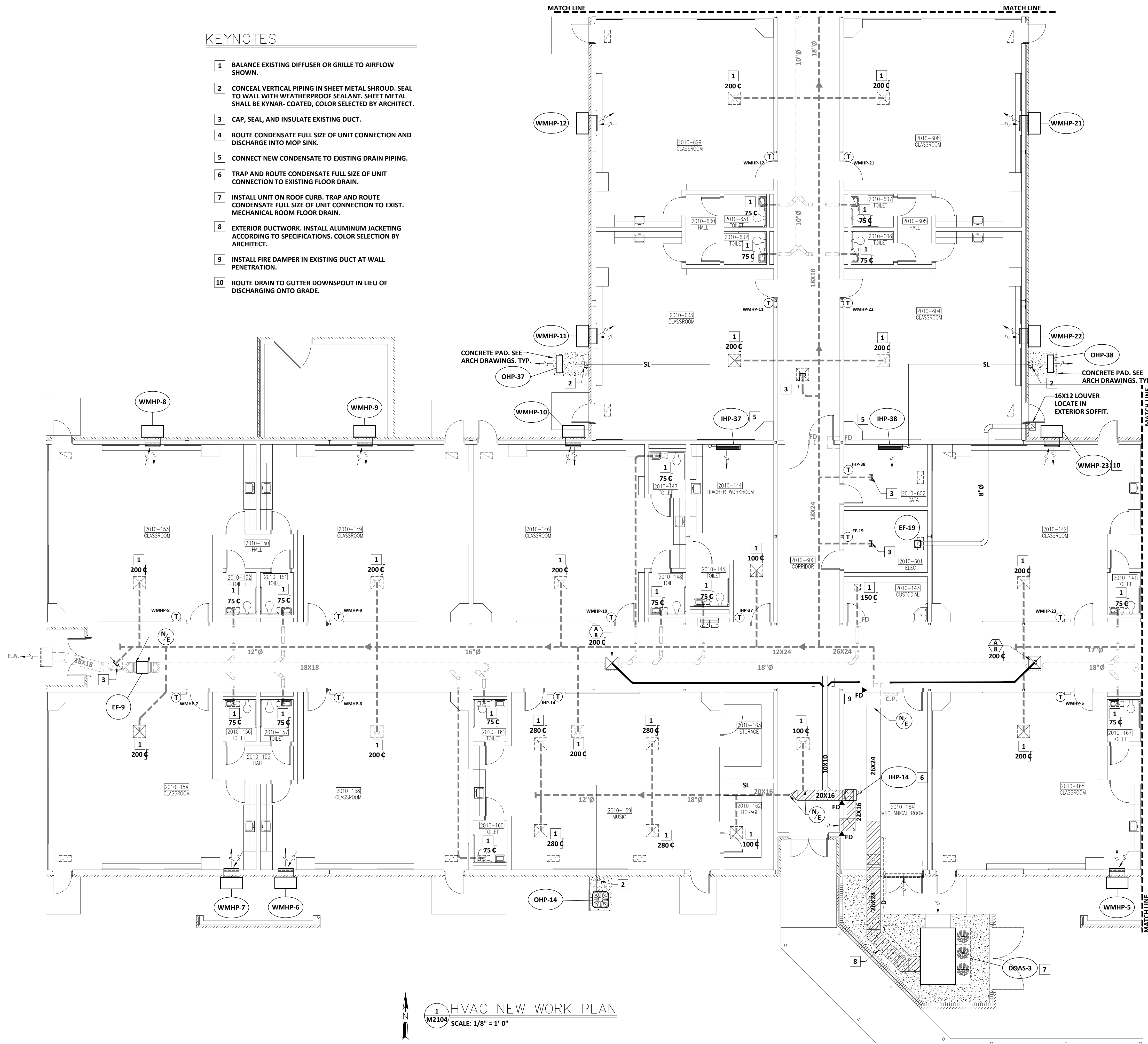
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REFERENCE SCALE
PLOT DATE: 10/20/25
FILENAME: 25075 M2
PLOT SCALE: 1" = 96'
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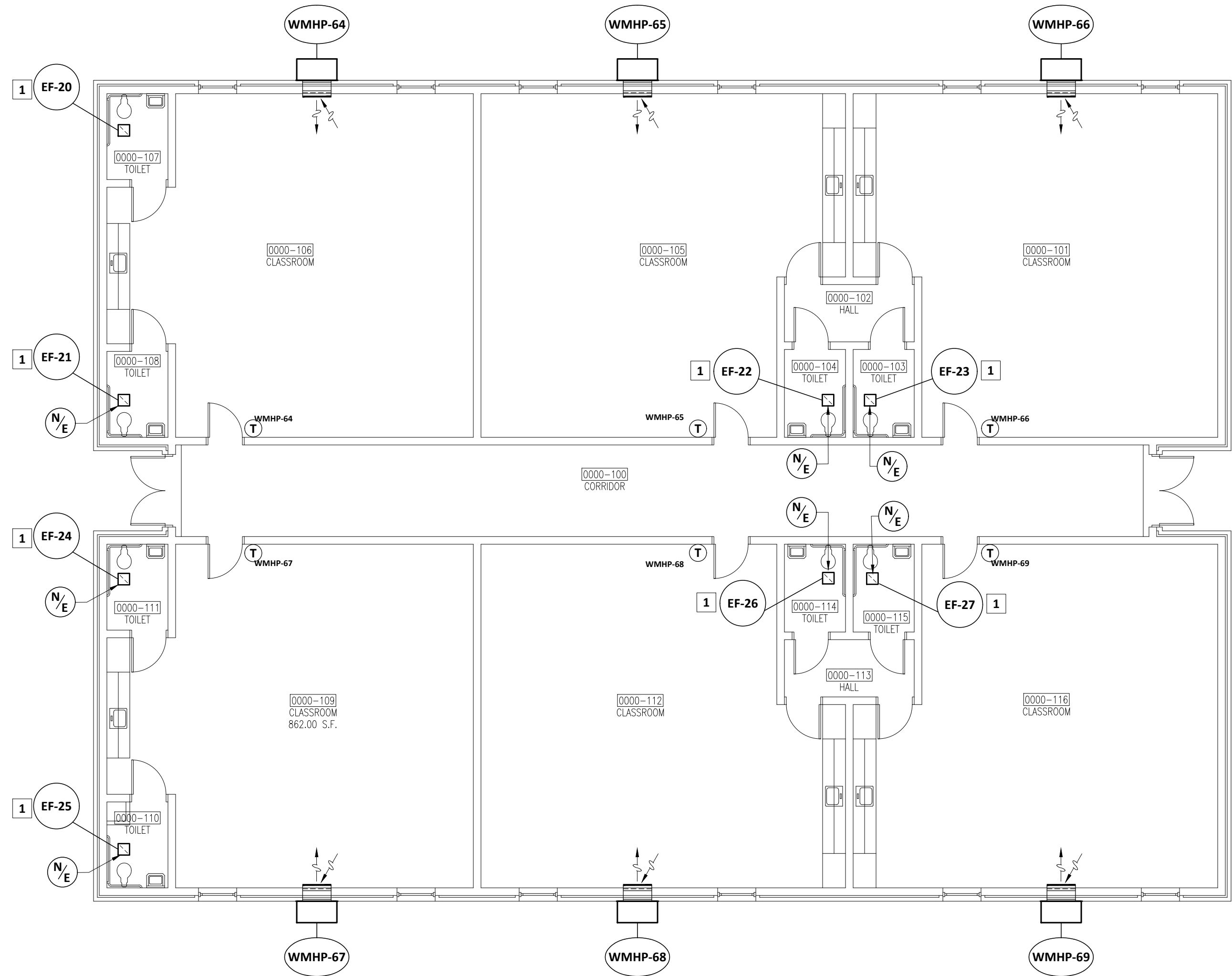
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KEYNOTES

- 1 BALANCE EXISTING DIFFUSER OR GRILLE TO AIRFLOW SHOWN.
- 2 CONCEAL VERTICAL PIPING IN SHEET METAL SHROUD. SEAL TO WALL WITH WEATHERPROOF SEALANT. SHEET METAL SHALL BE TYNAR- COATED, COLOR SELECTED BY ARCHITECT.
- 3 CAP, SEAL, AND INSULATE EXISTING DUCT.
- 4 ROUTE CONDENSATE FULL SIZE OF UNIT CONNECTION AND DISCHARGE INTO MOP SINK.
- 5 CONNECT NEW CONDENSATE TO EXISTING DRAIN PIPING.
- 6 TRAP AND ROUTE CONDENSATE FULL SIZE OF UNIT CONNECTION TO EXISTING FLOOR DRAIN.
- 7 INSTALL UNIT ON ROOF CURB. TRAP AND ROUTE CONDENSATE FULL SIZE OF UNIT CONNECTION TO EXIST. MECHANICAL ROOM FLOOR DRAIN.
- 8 EXTERIOR DUCTWORK. INSTALL ALUMINUM JACKETING ACCORDING TO SPECIFICATIONS. COLOR SELECTION BY ARCHITECT.
- 9 INSTALL FIRE DAMPER IN EXISTING DUCT AT WALL PENETRATION.
- 10 ROUTE DRAIN TO GUTTER DOWNSPOUT IN LIEU OF DISCHARGING ONTO GRADE.

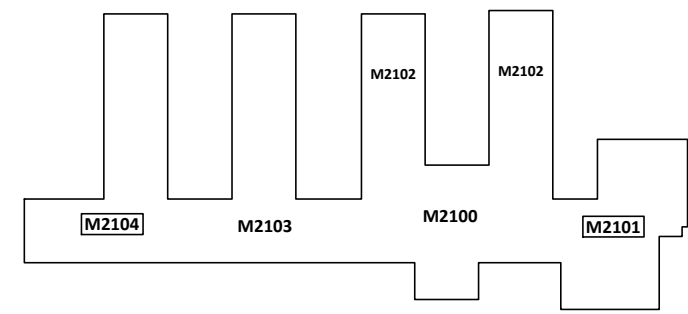




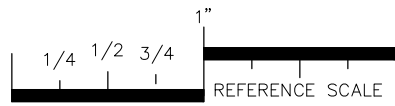
1 HVAC NEW WORK PLAN
M2105 SCALE: 1/8" = 1'-0"

KEYNOTES

- 1 INSTALL NEW EXHAUST FAN IN SAME PLACE AS EXISTING.
CONNECT TO EXISTING DUCTWORK AND CONTROL WIRING.



M2105



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