		T		<u>*KOOl</u>		VALLS		CEILING	MINIDOM	/V/IVIDO/V/	
NO.	ROOM NAME	FLOOR	BASE	NORTH WALL		SOUTH WALL	WEST WALL	MATERIAL	WINDOW SHADES	WINDOW FILM	NOTES
01	CORRIDOR	CONC	-	P-1	P-1	P-1	P-1	ACT			
002	STORAGE MECH							ACT ACT			
004	STORAGE							ACT			
005 006	MECH DATA						3	ACT ACT			
00	LOBBY / MUSEUM	PT-1	PB	P-1	P-1,2/WC	P1WPS 3	P-1/WC/WPS	CLT/ACT-1			1,2,4
100A 100B	VESTIBULE VESTIBULE	WM-1,2 WM-1,2	PB 3	P-1 P-1	P-1 P-1	P-1	P-1 P-1	CLT			
101	TOILET	PT-2	PB	P-3/CWT-1,2	P-3/CWT-1,2	P-3	P-3	GYP P-4			
102A 102B	CONFERENCE ROOM CONFERENCE ROOM	CPTT-2,3 CPTT-2,3	WD WD	P-1/AWP-2 P-1/AWP-2	P-1/MW P-1/MW	P-1 P1	P-1 P-1/MW	CLT	WS-2		
102C	CONFERENCE ROOM	CPTT-2,3	WP _	P-1/AWP-2	P-1	P-1	P-1/MW	CLT	WS-2		
103 104	LACTATION CORRIDOR	LVT-1 PT-2	(RB-2)-\3/	P-3 P-1	P-3 P-1	P-3 P-1	P-3 P-1	CLT ACT-1/CLT			
105	STORAGE/ AV	LVT-1	RB	P-1	P-1	P-1	P-1	CLT			
106 107	TOILET	PT-2 PT-2	PB PB	P-3 P-3/CWT-1,2	P-3/CWT-1,2 P-3/CWT-1,2	P-3/CWT-1,2 P-3	P-3 P-3	GYP P-4 GYP P-4			
108	TOILET	PT-2	РВ	P-3	P-3/CWT-1,2	P-3/CWT-1,2	P-3	GYP P-4			
109 110	OPEN OFFICE CORRIDOR	CPTT-1 CPTT-1	RB-1	P-1/AWP-2 P-1	P-1/AWP-2 P-1	P-1 P-1	P-1 P-1	CLT/ACT-2B CLT/ACT-2B	WS-1		
11	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	P-1	CLT/ACT-2B			
11A 12	WRITTEN TEST OPEN OFFICE	CPTT-1	RB-1	P-1 P-1/AWP-2	P-1 P-1	P-1 P-1,2/AWP-3	P-1 P-1,2	CLT/ACT-2B CLT/ACT-2B	WS-1		
13	MAPPING & ID TESTING	CPTT-1	RB-1	P-1	P-1	P-1	P-1	CLT	WS-1		
14 15	OFFICE OFFICE	CPTT-1 CPTT-1	RB-1 RB-1	P-1	P-1 P-1	GW GW	P-1 P-1	CLT	WS-1 WS-1	WF-1 WF-1	
15 16	OFFICE	CPTT-1	RB-1	P-1 P-1	P-1 P-1	GW	P-1 P-1	CLT	WS-1	WF-1	
17 18	OFFICE OPEN SEATING	CPTT-1	RB-1	P-1	P-1	GW P-1	P-1 P-1	CLT/ACT-2A	WS-1	WF-1	
18 19	PRIVATE	CPTT-4,5 CPTT-1	RB-1 RB-1	P-1 P-1	P-1 P-1	P-1 P-1	P-1 P-1	CLT/ACT-2A CLT	WS-1	WF-1	
20	TOILET	EP-2	EP-2	P-3	P-3/CWT-1,2	P-3/CWT-1,2	P-3	GYP/P-4			
21 22	TOILET	EP-2 LVT-1	EP-2 (RB-2-3/	P-3/CWT-1,2 P-1	P-3/CWT-1,2 P-1	P-3 P-1	P-3 P-1	GYP/P-4 CLT			
23	OFFICE	CPTT-1	RB-1	GW	P-1	P-1	P-1	CLT	WS-1	WF-1	
24 25	OFFICE OFFICE	CPTT-1 CPTT-1	RB-1 RB-1	GW GW	P-1 P-1	P-1 P-1	P-1 P-1	CLT	WS-1	WF-1 WF-1	
26	OFFICE	CPTT-1	RB-1	GW	P-1	P-1	P-1	CLT	WS-1	WF-1	
27 27A	OPEN OFFICE OPEN OFFICE	CPTT-1 CPTT-1	RB-1 RB-1	P-1,2/AWP-3 P-1	P-1 P-1	GW/P-1 P-1	P-1 P-1	CLT/ACT-2A CLT/ACT-2A	WS-1		
28	SHARED STORAGE	CPTT-1	RB-1	P-1	P-1	P-1	P-1	CLT			
29 30	ISSUE/ MAIL ROOM DATA	CPTT-1 CONC	RB-1	P-1	P-1 P-1	P-1 P-1	P-1 P-1	CLT CLT			
30 31	CUST	CONC	RB-2 3/	WP	WP	WP	WP	CLT			
32	ELEC	CONC	RB-2	P-1	P-1	P-1	P-1	CLT	\MC 1	\\\\\	
33 34	BREAK ROOM OPEN OFFICE	LVT-1 CPTT-1	RB-2 RB-1	P-1 P-1	P-1 P-1	P-1 P-1	P-1	ACT-1	WS-1 WS-1	WF-1	
35	BREAK-OUT AREA	LVT-1	(RB-2)-3	P-1	-	P-1,2	P-1 3/	WD	WS-1	\\\\	
36 37	COPY ROOM CORRIDOR	CPTT-1 CPTT-1,4,5	RB-1	P-1 P-1	P-1 P-1/GW	P-1 P-1	P-1/GW/AWP	ACT-1 WD/ACT-1	WS-1	WF-1	
							3			\\\\\	
38 39	VACANT OFFICE OFFICE	CPTT-1	RB-1	P-1 P-1	P-1 GW	P-1 P-1	GW P-1	ACT-1	WS-1	WF-1 WF-1	
40	VACANT OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
41 42	OFFICE OFFICE	CPTT-1	RB-1	P-1	GW P-1	P-1 P-1	P-1 GW	ACT-1	WS-1	WF-1 WF-1	
43	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
44 45	OFFICE OFFICE	CPTT-1	RB-1	P-1	P-1 GW	P-1 P-1	GW P-1	ACT-1	WS-1	WF-1 WF-1	
46	VACANT OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
47 48	OFFICE OFFICE	CPTT-1	RB-1 RB-1	P-1 P-1	GW P-1	P-1 P-1	P-1 GW	ACT-1	WS-1	WF-1 WF-1	
49	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
50 51	OFFICE OFFICE	CPTT-1 CPTT-1	RB-1	P-1	P-1 GW	P-1 P-1	GW P-1	ACT-1	WS-1	WF-1	
52	CONFERENCE ROOM	CPTT-4,5	RB-1 3	1 = -	P-1	P-1	GW	WD/GYP	WS-1	WF-2	
53	OFFICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
54 55	OFFICE OPEN OFFICE	CPTT-1	RB-1 RB-1	P-1 P-1	P-1 GW	P-1 P-1	GW P-1	ACT-1	WS-1	WF-1 WF-1	
56	OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
57 58	FUTURE OFFICE DATA	CPTT-1 CONC	RB-2)	P-1 P-1	GW P-1	P-1 P-1	P-1 P-1	ACT-1 EXP	WS-1	WF-1	
59	CORRIDOR	LVT-1	RB-2 3	P-7	P-7	P-7	P-7	CLT			
60 61	STORAGE NECROPSY	CONC EP-1	RB-2 V	P-1 EPW	P-1 EPW	P-1 EPW	P-1 EPW	CLT	WS-1		3
62	FILES	LVT-1	(RB-2)-3	P-1	P-1	P-1	P-1	CLT			
63 64	TOILET	EP-2 EP-1	EP-2 EP-1	P-3/CWT-1,2 P-7	P-3/CWT-1,2 P-7	P-3 P-7	P-3 P-7	CLT			
65	OPEN OFFICE	EP-1	EP-1	P-7	P-7	P-7	P-7	CLT	WS-1		
66 67	CUST FISHERIES MAIN LAB	CONC EP-1	RB-1 EP-1	WP P-7	WP P-7	WP P-7	WP P-7	CLT	WS-1		
67A	COPY ROOM	LVT-1	RB-1	P-1	P-1	P-1	P-1	CLT			
68 69	BACTER- IOLOGY STORAGE	EP-1 EP-1	EP-1 EP-1	P-7 P-7	P-7 P-7	P-7 P-7	P-7 P-7	CLT CLT			
70	TISSUE COLLECTION	EP-1	EP-1	P-7	P-7	P-7	P-7	CLT			
71 00	PCR ROOM CORRIDOR	EP-1 CPTT-1/RUB/MAT	EP-1 -2 RB-1	P-7 P-1/AWP-1	P-7 P-1	P-7 P-1	P-7 P-1	CLT			
01	CORRIDOR	CPTT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1			
01A 02	VEST TOILET	WM-1 EP-2	RB-1 EP-2	P-1 P-3/CWT-1,2	P-1 P-3/CWT-1,2	P1 P-3	P-1 P-3	GYP/P-4 GYP/P-4			
03	TOILET	EP-2	EP-2 EP-2	P-3/CWT-1,2 P-3/CWT-1,2	P-3/CW1-1,2 P-3	P-3 P-3	P-3/CWT-1,2	GYP/P-4 GYP/P-4			
)4	TOILET	EP-2	EP-2	P-3/CWT-1,2	P-3/CWT-1,2	P-3	P-3	GYP/P-4			
05 06	TOILET	EP-2 CPTT-1	EP-2 RB-1	P-3/CWT-1,2 P-1	P-3 P-1	P-3 P-1	P-3/CWT-1,2 P-1	GYP/P-4 ACT-1			
06A	CORRIDOR	CPTT-1	RB-1	P-1/RAILING	P-1	P-1/RAILING	P-1	CLT			
07 08	TOILET CONFERENCE ROOM	EP-2 CPTT-6	EP-2 (RB-1)-\3/	P-3/CWT-1,2 GW	P-3/CWT-1,2 P-1	P-3 P-1	P-3 P-5	GYP/P-4 ACT-1		WF-3	
09	PLANS OFFICE	CPTT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	WS-1		
10 11	OFFICE CANTEEN	CPTT-1 LVT-1	RB-1 (RB-2)—\3	P-1 P-1	P-1 P-1	P-1 P-1	P-1 P-1	ACT-1 ACT-1	WS-1		
12	TOILET	EP-2	RB-2} EP-2	P-3/CWT-1,2	P-1	P-1 P-3	P-1 P-3/CWT-1,2	GYP/P-4			
13	TOILET	EP-2	EP-2	P-3/CWT-1,2	P-3/CWT-1,2	P-3	P-3	GYP/P-4			
14 15	DATA CORRIDOR	CONC CPTT-1	RB-1	P-1 P-1	P-1 P-1	P-1 P-1	P-1 P-1	- CLT			
16	CONFERENCE ROOM	CPTT-6	(RB-)—\3/ RB-1	P-1	P-1	P-1	P-5	ACT-1	WS-1	\\\\	
17 18	OFFICE OPEN OFFICE	CPTT-1	RB-1	P-1 P-1	P-1 P-1	P1 P-1	P-1 P-1	ACT-1	WS-1	WF-1	
19	OFFICE	CPTT-1	RB-1	P-1	P-1	GW	P-1	ACT-1	WS-1	WF-1	
20	OFFICE	CPTT-1	RB-1	GW	P-1	P-1	P-1	ACT-1		WF-1	

OFFICE OFFICE OFFICE OPEN O OFFICE OPEN O OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE CORNI CONFE OFFICE OFFI	FICE MMISSIONER OFFICE FICE FICE RRIDOR FICE PY/ FILE/ STORAGE FICE EN CONF FICE FICE FICE FICE FICE FICE FICE FIC	CPTT-1	RB-1 RB-1 RB-1 RB-1		P-1 P-1 P-1/GW	P-1 GW P-1	GW P-1 P-1	ACT-1 ACT-1	WS-1 WS-1	WF-1 WF-1 WF-1	NOTES
OFFICE COMMI OFFICE CORRIL OFFICE COPY OFFICE OFFIC	FICE MMISSIONER OFFICE FICE FICE RRIDOR FICE PY/ FILE/ STORAGE FICE EN CONF FICE FICE FICE FICE FICE FICE FICE FIC	CPTT-1 CPTT-1 CPTT-1 CPTT-1 CPTT-1 CPTT-1 CPTT-1 CPTT-1	RB-1 RB-1 RB-1 RB-1 RB-1	P-1 P-1 P-1	P-1 P-1/GW	GW P-1	P-1 P-1	ACT-1 ACT-1	WS-1 WS-1	WF-1	
COMMI OFFICE OFFICE COPYI OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE COPY VACAN VACAN CONFE OFFICE OF	MMISSIONER OFFICE FICE FICE RRIDOR FICE PY/ FILE/ STORAGE FICE EN CONF FICE FICE FICE FICE FICE FICE TICE FICE OFFICE EN OFFICE ST EC NTEEN PY CANT OFFICE	CPTT-1 CPTT-1 CPTT-1 CPTT-1 CPTT-1 CPTT-1 CPTT-1	RB-1 RB-1 RB-1 RB-1	P-1 P-1	P-1/GW	P-1	P-1	ACT-1	WS-1	WF-1	+
OFFICE OF	FICE RRIDOR FICE PY/ FILE/ STORAGE FICE EN CONF FICE FICE FICE FICE FICE FICE FICE FIC	CPTT-1 CPTT-1 CPTT-1 CPTT-1	RB-1 RB-1		GW	D 4		ACT 4	_		
CORRIE OFFICE OFFICE OPEN O OFFICE OFFICE OFFICE OFFICE OFFICE COPY VACAN VACAN CONFE OFFICE	RRIDOR FICE PY/ FILE/ STORAGE FICE EN CONF FICE FICE FICE FICE FICE FICE CONFICE ST EC NTEEN PY CANT OFFICE	CPTT-1 CPTT-1 CPTT-1	RB-1	P-1	+	P-1	P-1	ACT-1		WF-1	
OFFICE COPY/ OFFICE OPEN O OFFICE OFFICE OFFICE OFFICE COPY VACANI VACANI VACANI CONFE OFFICE	FICE PY/ FILE/ STORAGE FICE EN CONF FICE FICE FICE FICE FICE CONFICE FICE EN OFFICE ST EC NTEEN PY CANT OFFICE	CPTT-1 CPTT-1 CPTT-1		P-1	GW D 1/CW/	P-1	P-1 P-5	ACT-1	WS-1	WF-1	
COPY/ OFFICE OPEN O OFFICE OFFICE OFFICE OFFICE CORNIC COPY VACAN VACAN CONFI COFFICE OFFICE	PY/ FILE/ STORAGE FICE EN CONF FICE FICE FICE FICE FICE FICE CONFICE ST EC NTEEN PY CANT OFFICE	CPTT-1		P-1	P-1/GW P-1	P-1/GW P-1	P-5	CLT ACT-1	WS-1	WF-1	
OPEN COFFICE OFFICE OFFICE OFFICE COPY VACAN VACAN VACAN CONFE OFFICE OF	EN CONF FICE FICE FICE FICE EN OFFICE ST EC NTEEN PY CANT OFFICE			P-1	P-1	P-1	P-1	ACT-1			
OFFICE OFFICE OFFICE OFFICE OPEN O CUST ELEC CANTE COPY VACAN VACAN VACAN CONFE OFFICE	FICE FICE FICE FICE FICE EN OFFICE ST EC NTEEN PY CANT OFFICE	CPTI-1		P-1	P-1	P-1	P-1/GW	ACT-1	WS-1	WF-1	
OFFICE OFFICE OFFICE OPEN O CUST ELEC CANTE COPY VACAN VACAN CONFE OFFICE OFFIC	FICE FICE FICE EN OFFICE ST EC NTEEN PY CANT OFFICE	CPTT-1		1,0771111	P-1	GW P-1	P-1	CLT ACT-1	WS-1	WF-1	
OFFICE OPEN O CUST ELEC CANTE COPY VACAN VACAN VACAN CONFE OFFICE	FICE EN OFFICE ST EC NTEEN PY CANT OFFICE	CPTT-1		GW	P-1	P-1	P-1	ACT-1	WS-1	WF-1	
OPEN COUST ELEC CANTE COPY VACAN OFFICE OFFI	EN OFFICE ST EC NTEEN PY CANT OFFICE	CPTT-1		GW	P-1	P-1	P-1	ACT-1	WS-1	WF-1	
CUST ELEC CANTE COPY VACAN VACAN VACAN CONFE OFFICE	ST EC NTEEN PY CANT OFFICE	CPTT-1		GW P-1	P-1,5	P-1 GW	P-1	ACT-1 CLT/ACT-2A	WS-1 WS-1	WF-1	
ELEC CANTE COPY VACAN VACAN CONFE OFFICE OFF	EC NTEEN PY CANT OFFICE	CONC		WP	WP	WP		CLT/ACT-2A	VV-1		
COPY VACANI VACANI CONFE OFFICE OFFIC	PY CANT OFFICE	CONC	+	P-1	P-1	P-1	P-1	CLT			
VACANI VACANI CONFE OFFICE OFFICE CORRIE OFFICE OFF	CANT OFFICE	LVT-1	1-7		P-1	P-1	P-1	ACT-1		WF-1	
VACANI CONFE OFFICE HOTEL OFFICE CORRIS OFFICE OFFI		CPTT-1		P-1 P-1	P-1 GW	P-1 P-1	P-1	ACT-1	WS-1 WS-1	WF-1 WF-1	
CONFE OFFICE HOTEL OFFICE CORRIE OFFICE OFFI				D 1	P-1	P-1	1 1	ACT-1		WF-1	
HOTEL OFFICE CORRIE OFFICE VACAN OFFICE OFFI	NFERENCE ROOM	CPTT-6	$RB-1$ —\3/	P-5	GW	P-1	P-1	WD	WS-1	WF-5	
OFFICE CORRIS OFFICE VACAN OFFICE OFF		CPTT-1			P-1	P-1	GW	ACT-1	WS-1	WF-1	
CORRIE OFFICE VACAN OFFICE OFF	TEL OFFICES	CPTT-1		P-1 P-1	- P-1	P-1 P-1	P-1 GW	OPEN/ACT-1 ACT-1	WS-1 WS-1	WF-1	
OFFICE VACAN OFFICE OFF	RRIDOR	CPTT-1,6				P-1	P-1/GW	WD/ACT-1	VV-1	VVI-1	
OFFICE OF		CPTT-1			P-1	P-1	GW	ACT-1	WS-1	WF-1	
OFFICE OF	CANT OFFICE	CPTT-1		P-1	GW	P-1	P-1	ACT-1		WF-1	
OFFICE OF		CPTT-1		P-1 P-1	P-1 GW	P-1 P-1	GW P-1	ACT-1	WS-1 WS-1	WF-1 WF-1	
OFFICE OF		CPTT-1		P-1 P-1	P-1	P-1 P-1	GW	ACT-1	WS-1 WS-1	WF-1	
OFFICE VACAN OFFICE OFF		CPTT-1		P-1	GW	P-1	P-1	ACT-1		WF-1	
VACANI OFFICE TOILET I&E/LIC TOILET SECUR CORRII TOILET SECUR CORRII TOILET CUST ELEC TOILET CANTE PLAN R COPY VACANI TELECO SEASO OPEN C OFFICE OFFI		CPTT-1			P-1	P-1	GW	ACT-1		WF-1	
OFFICE DATA CORRII TOILET STORE DRESS I&E SEC TOILET RECEIV TOILET CUST ELEC TOILET CANTE PLAN R COPY VACAN TELECC SEASO OPEN C OFFICE	FICE CANT NRSC	CPTT-1		P-1 P-1		P-1 P-1	P-1	ACT-1		WF-1 WF-1	
OFFICE DATA CORRIE TOILET STORE DRESS I&E SEC TOILET RECEIV TOILET SECUR CORRIE TOILET CUST ELEC TOILET CANTE PLAN R COPY VACAN TELECC SEASO OPEN C OFFICE O		CPTT-1		P-1 P-1	GW	P-1 P-1	GW P-1	ACT-1		WF-1	+
OFFICE OPEN S OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE DATA CORRIG TOILET STORE DRESS I&E SEC TOILET RECEIV TOILET SECUR CORRIG TOILET CUST ELEC TOILET CANTE PLAN R COPY VACAN TELECC SEASO OPEN C OFFICE O		CPTT-1		P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
OPEN S OFFICE DATA CORRII TOILET STORE DRESS I&E SEC TOILET RECEIV TOILET SECUR CORRII TOILET CUST ELEC TOILET CANTE PLAN R COPY VACAN TELECC SEASO OPEN C OFFICE O		CPTT-1		P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
OFFICE DATA CORRIE TOILET STORE DRESS I&E SEC TOILET RECEIV TOILET SECUR CORRIE TOILET CUST ELEC TOILET CANTE PLAN R COPY VACAN TELECC SEASO OPEN C OFFICE O		CPTT-6	\rightarrow	P-1 P-1	P-1	P-1 P-1	GW P-1	ACT-1 OPEN/WD	WS-1 WS-1	WF-1	
OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE DATA CORRIG TOILET STORE DRESS I&E SEC TOILET RECEIV TOILET SECUR CORRIG TOILET CUST ELEC TOILET CANTE PLAN R COPY VACAN TELECC SEASO OPEN C OFFICE O		CPTT-0	\	P-1	P-1	P-1	GW	ACT-1		WF-1	
OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE DATA CORRIE TOILET STORE DRESS I&E SEC TOILET RECEIV TOILET SECUR CORRIE TOILET CUST ELEC TOILET CANTE PLAN R COPY VACAN TELECC SEASO OPEN OFFICE OFF		CPTT-1		P-1		P-1	P-1	ACT-1		WF-1	
OFFICE OFFICE OFFICE OFFICE DATA CORRIG TOILET STORE DRESS I&E SEC TOILET RECEIV TOILET SECUR CORRIG TOILET CUST ELEC TOILET CANTE PLAN R COPY VACAN TELECC SEASO OPEN C OFFICE VACAN FUTUR OFFICE VACAN		CPTT-1			P-1	P-1	GW	ACT-1		WF-1	
OFFICE OFFICE OFFICE OFFICE DATA CORRII TOILET STORE DRESS I&E SEC TOILET I&E/LIC TOILET RECEIV TOILET SECUR CORRII TOILET CUST ELEC TOILET CANTE PLAN R COPY VACAN TELECC SEASO OPFICE OFFICE		CPTT-1		P-1	GW	P-1	P-1	ACT-1		WF-1	
OFFICE OFFICE DATA CORRIE TOILET STORE DRESS I&E SEC TOILET RECEIV TOILET SECUR CORRIE TOILET CUST ELEC TOILET CANTE PLAN R COPY VACAN TELECC SEASO OPEN C OFFICE O		CPTT-1		P-1 P-1	P-1 GW	P-1 P-1	GW P-1	ACT-1	WS-1 WS-1	WF-1 WF-1	
OFFICE DATA CORRIG TOILET STORE DRESS I&E SEC TOILET I&E/LIC TOILET RECEIV TOILET SECUR CORRIG TOILET CUST ELEC TOILET CANTE PLAN R COPY VACAN TELECC SEASO OPEN C OFFICE		CPTT-1				P-1	GW	ACT-1		WF-1	
CORRIGION TOILET STORE I&E SECONTOILET SECURITORILET CUST ELEC TOILET CANTE PLAN RECENTOILET CANTE PLAN RECOPY VACAN TELECO SEASO OPEN COFFICE OFFICE		CPTT-1		P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
TOILET STORE DRESS I&E SEC TOILET I&E/LIC TOILET RECEIV TOILET SECUR CORRID TOILET CUST ELEC TOILET CANTE PLAN R COPY VACAN TELECC SEASO OPEN C OFFICE OFF		CONC	—————————————————————————————————————	P-1	P-1	P-1	P-1	OL T			
STORE DRESS I&E SECTOILET I&E/LIC TOILET RECEIV TOILET SECUR CORRIE TOILET CUST ELEC TOILET CANTE PLAN R COPY VACAN TELECC SEASO OPEN C OFFICE		LVT-1 EP-2	$\overline{}$	P-7 P-3	P-7 P-3/CWT-1,2	P-7 P-3/CWT-1,2	P-7 P-3	CLT GYP P-4		WF-1	PROVIDE WINDOW FILM ON
DRESS I&E SEC TOILET I&E/LIC TOILET RECEIV TOILET SECUR CORRII TOILET CUST ELEC TOILET CANTE PLAN R COPY VACAN TELECC SEASO OPEN C OFFICE OFFI	LLI	LF -2	LF-2	F-5	F-5/CVV1-1,2	F-5/CVV1-1,2	1-3	GIF F-4		VVI - I	EXTERIOR WINDOW
I&E SECTOILET I&E/LIC TOILET RECEIV TOILET SECUR CORRIE TOILET CUST ELEC TOILET CANTE PLAN R COPY VACAN TELECC SEASO OPEN C OFFICE	OREHOUSE/ UNIFORMS	CONC (RB-2)		P-7	P-7	P-7	CLT	WS-1		
I&E/LIC TOILET RECEIV TOILET SECUR CORRIE TOILET CUST ELEC TOILET CANTE PLAN R COPY VACAN TELECO SEASO OPEN C OFFICE OFFI		LVT-1				P-7	P-7	ACT-1			
I&E/LIC TOILET RECEIV TOILET SECUR CORRIE TOILET CUST ELEC TOILET CANTE PLAN R COPY VACAN TELECO SEASO OPEN O OFFICE OFFI	SECURE STORAGE	CONC EP-2	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	P-1 P-3	P-1 P-3/CWT-1,2	P-1 P-3/CWT-1,2	P-1 P-3	CLT GYP P-4		WF-1	PROVIDE WINDOW FILM ON
TOILET RECEIV TOILET SECUR CORRIE TOILET CUST ELEC TOILET CANTE PLAN R COPY VACAN TELECO SEASO OPEN O OFFICE					1 0/011 1,2	0,000					EXTERIOR WINDOW
RECEIVE TOILET SECURE CORRIST TOILET CUST ELEC TOILET CANTE PLAN RECOPY VACAN TELEC SEASO OPEN COFFICE OFFICE OFFI	/LICENSING HEATED STORAGE	CONC	RB-2 3 EP-2			P-1	P-1	CLT	WS-1		
TOILET SECUR CORRIE TOILET CUST ELEC TOILET CANTE PLAN R COPY VACAN TELECO SEASO OPEN C OFFICE OFFIC		EP-2 CONC	\perp		P-3 P-7	P-3/CWT-1,2 P-7	<u> </u>	GYP P-4 CLT	WS-1		
CORRIGET TOILET CUST ELEC TOILET CANTE PLAN RECOPY VACAN TELEC SEASO OPEN COFFICE OFFICE OFFI		EP-2	FP-2	P-3	P-3	P-3/CWT-1,2		GYP P-4	VVO-1		
TOILET CUST ELEC TOILET CANTE PLAN R COPY VACAN TELECO SEASO OPEN O OFFICE OFFI	CURE FIREARM STORAGE	CONC	RB-2 3	P-7	P-7	P-7	P-7	CLT			
CUST ELEC TOILET CANTE PLAN R COPY VACAN TELECO SEASO OPEN O OFFICE	RRIDOR	CPTT-1,7	RB-1	P-1	P-1/GW	P-1	P-1/GW	ACT-1/CLT			
ELEC TOILET CANTE PLAN R COPY VACAN TELECC SEASO OPEN C OFFICE		EP-2 CONC	\rightarrow	P-3/CWT-1,2 ,WP	P-3/CWT-1,2 WP	P-3 WP	P-3 WP	GYP P-4 CLT			
TOILET CANTE PLAN R COPY VACAN TELECO SEASO OPEN O OFFICE		CONC			P-1	P-1		CLT			
PLAN R COPY VACAN TELECO SEASO OPEN O OFFICE OPEN VACAN FUTUR OFFICE VACAN	ILET	EP-2		P-3	· ·	P-3/CWT-1,2	P-3	GYP/P-4			
COPY VACAN TELECO SEASO OPEN O OFFICE OPEN VACAN FUTUR OFFICE VACAN		LVT-1	RB-2 3/		P-1	P-1	P-1	ACT 1		WF-1	
VACAN TELECO SEASO OPEN O OFFICE OPEN VACAN FUTUR OFFICE VACAN	AN ROOM/PLOTTER PY	CPTT-1			P-1	P-1 P-1	P-1 P-1	ACT-1	WS-1 WS-1	WF-1 WF-1	
TELECO SEASO OPEN O OFFICE OFFICE OFFICE VACAN OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OPEN VACAN FUTUR OFFICE VACAN	CANT OFFICE	CPTT-1		P-1		P-1	GW	ACT-1	WS-1	WF-1	
OPEN OFFICE OFFICE OFFICE OFFICE OFFICE OPEN VACAN FUTUR OFFICE VACAN	LECON	CPTT-7	RB-1	P-6	GW	P-1	P-1	WD	WS-1	WF-4	
OFFICE OFFICE VACAN OFFICE OFFICE OFFICE OFFICE OFFICE OFFICE OPEN VACAN FUTUR OFFICE VACAN	ASONAL OFFICES	CPTT-1		P-1	-	P-1	- D 4	ACT-1	WS-1		
OFFICE OFFICE VACAN OFFICE OFFICE OFFICE OFFICE OPEN VACAN FUTUR OFFICE VACAN	EN OFFICE FICE	CPTT-1		P-1 P-1		P-1 P-1	P-1 GW	ACT-1	WS-1 WS-1	WF-1	
OFFICE VACAN OFFICE OFFICE OFFICE OPEN VACAN FUTUR OFFICE VACAN		CPTT-1		P-1		P-1	P-1	ACT-1		WF-1	
VACAN OFFICE OFFICE OFFICE OPEN VACAN FUTUR OFFICE VACAN	FICE	CPTT-1	RB-1	P-1	P-1	P-1	GW	ACT-1	WS-1	WF-1	
OFFICE OFFICE OFFICE OPEN VACAN FUTUR OFFICE VACAN		CPTT-1		P-1	GW	P-1	P-1	ACT 1		WF-1	
OFFICE OFFICE OPEN VACAN FUTUR OFFICE VACAN	CANT OFFICE FICE	CPTT-1		P-1 P-1		P-1 P-1	GW P-1	ACT-1	WS-1 WS-1	WF-1 WF-1	
OFFICE OPEN VACAN FUTUR OFFICE VACAN		CPTT-1				P-1	GW	ACT-1		WF-1	
OPEN VACAN FUTUR OFFICE VACAN	FICE	CPTT-1	RB-1	P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
VACAN FUTUR OFFICE VACAN		CPTT-7				P-1	GW	ACT-1		WF-1	
FUTUR OFFICE VACAN	EN CANT OFFICE	CPTT-7		P-1 P-1	GW P-1	P-1 P-1	P-1 GW	ACT-1		WF-1 WF-1	_
OFFICE VACAN	TURE OFFICE	CPTT-7		P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
	FICE	CPTT-1	RB-1		P-1	P-1	GW	ACT-1	WS-1	WF-1	
	CANT OFFICE	CPTT-1		P-1	GW	P-1	P-1	ACT-1	WS-1	WF-1	
OFFICE OFFICE		CPTT-1		P-1 P-1	P-1 GW	P-1 P-1	GW P-1	ACT-1	WS-1 WS-1	WF-1 WF-1	_
OFFICE		CPTT-1	RB-1	P-1		P-1	GW	ACT-1		WF-1	
DATA	TA	CONC	(RB-2)—3/	P-1	P-1	P-1	P-1	-			
ATTIC		-		-	-	-	-	-	_	_	
ELEV		CPTT-1	-	-	-	-	-	-			
MACH F	CU KUUM	LVT-1	-	-	-	-	-	-			
			-	-	-	-	-	-			
MECH		-	-			-		-			
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STAIR STAIR	EV CH ROOM CH CH ATTIC	10/04 4/01/0	D 2 7	」 /	P-7	P-7	P-7	CLT	1	1	
STAIR	EV CH ROOM CH CH ATTIC	WM-1/RUB		P-7 P-7	P-7	P-7	P-7	CLT			+

- 1. SEE SHEETS AE701-AE704 FOR CEILING HEIGHTS.
- EPW LOCATIONS REQUIRE LEVEL 4/5
 FINISH FOR GLASS-MAT, WATERRESISTANT BACKING BOARD.

1. EAST AND WEST WALLS AWP-1. SEE AE402.

- PROVIDE LEVEL 5 FINISH FOR WALL LOCATIONS RECEIVING WALL COVERING.
- PROVIDE LEVEL 4/5 FINISH FOR WALL LOCATIONS RECEIVING EPOXY PAINT.

HMG DRAWN BY: Author
CHECK BY: Designer 3 02/27/2025 ADDENDUM NO.3 1 02/13/2025 ADDENDUM NO.1 NO. DATE DESCRIPTION REVISIONS

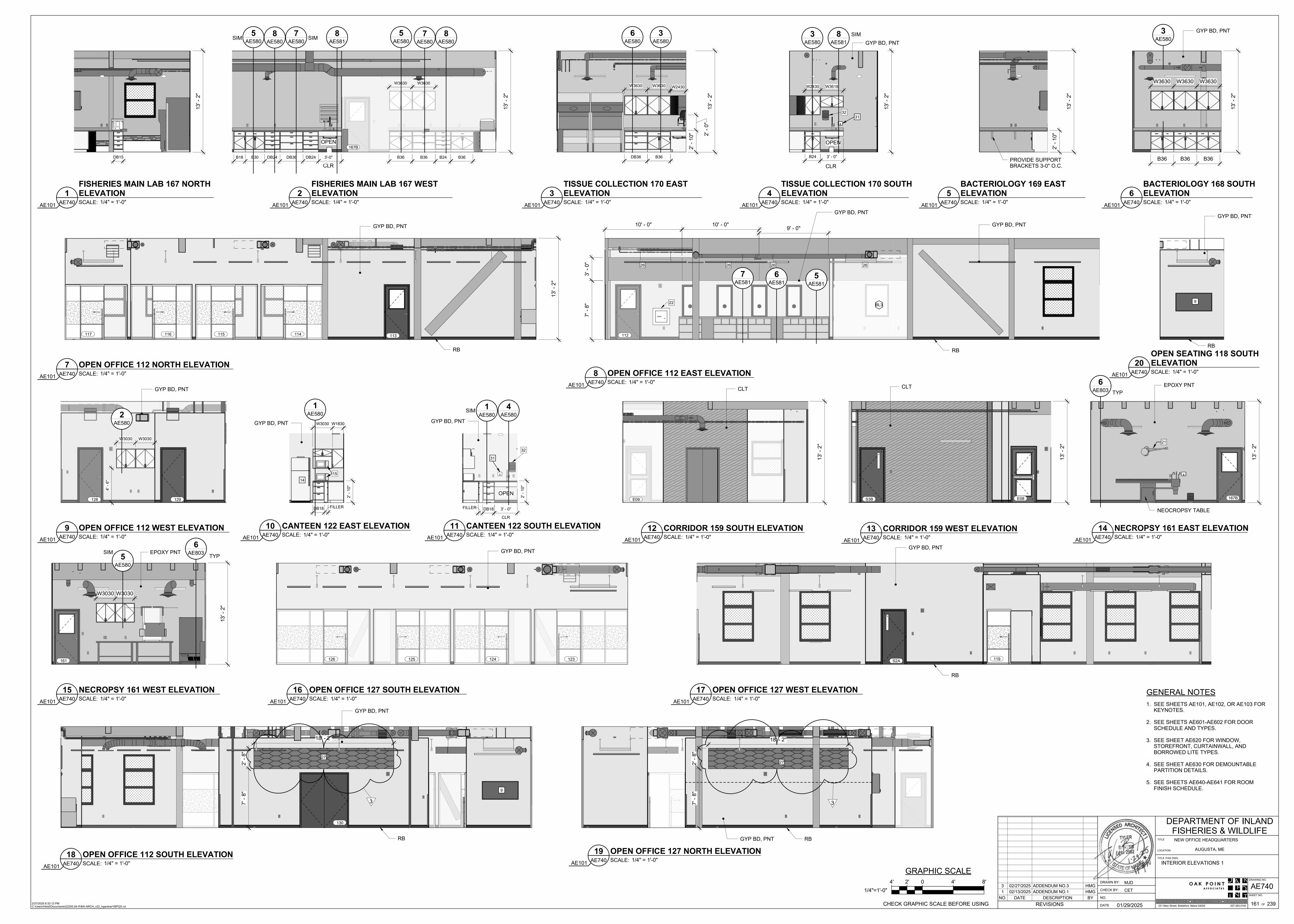
AUGUSTA, ME TITLE THIS DWG.
ROOM FINISH SCHEDULE OAK POINT DAK DRAWING NO.
ASSOCIATES DAME TO SHEET NO.

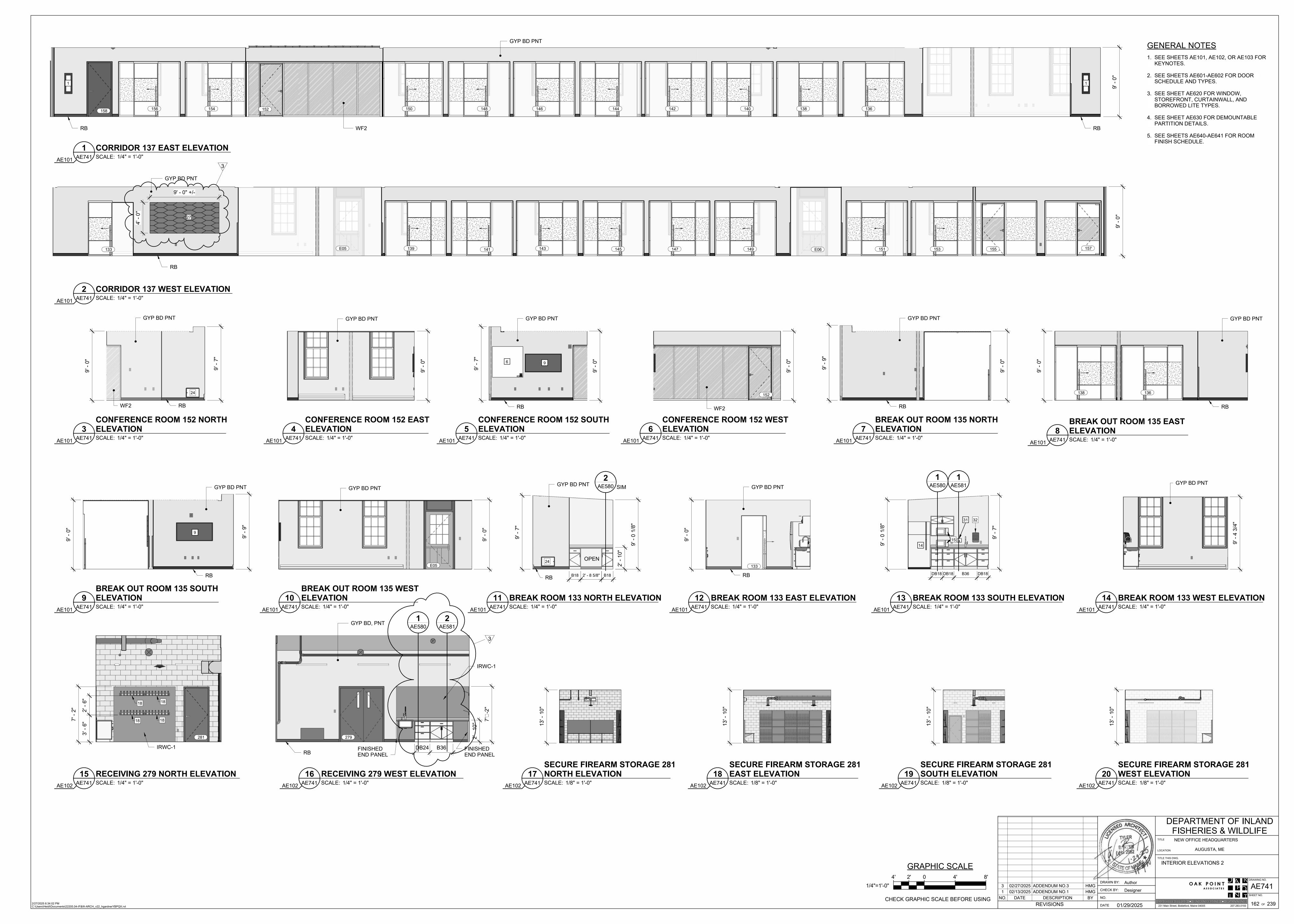
DATE 01/29/2025

ARCHITECTURE BENGINEER
231 Main Street, Biddeford, Maine 04005

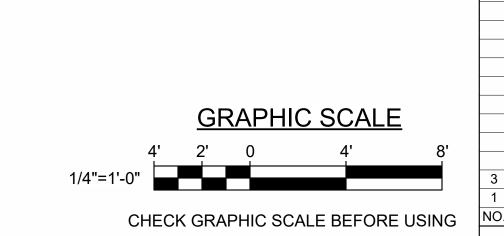
207.283.0193 152 of 239

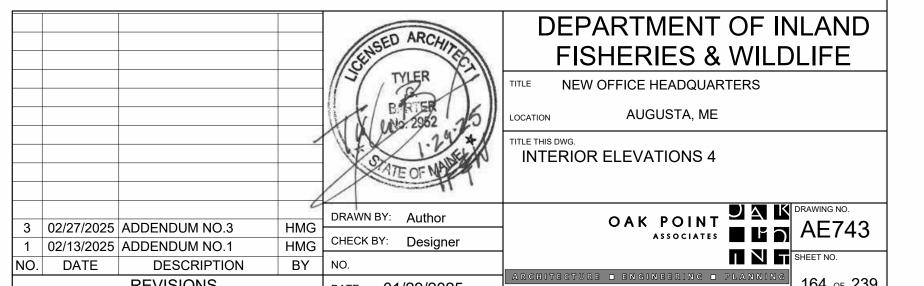
4. ACT-1 UNDERSIDE OF BRIDGE.









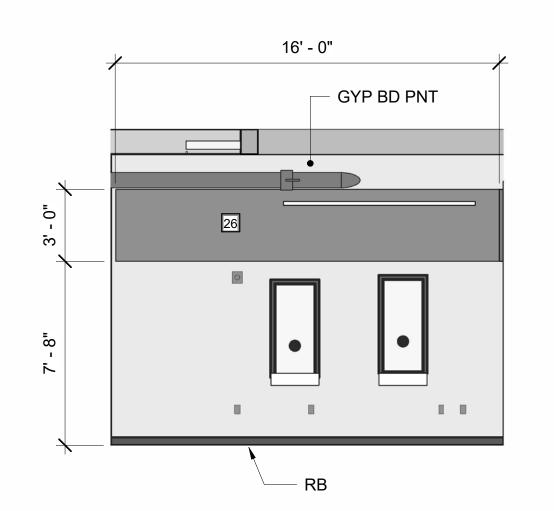


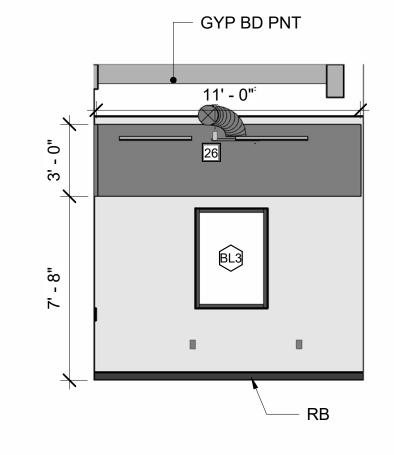
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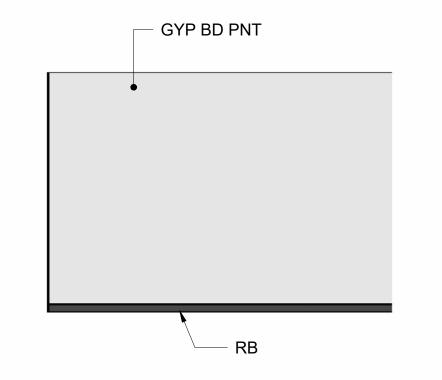
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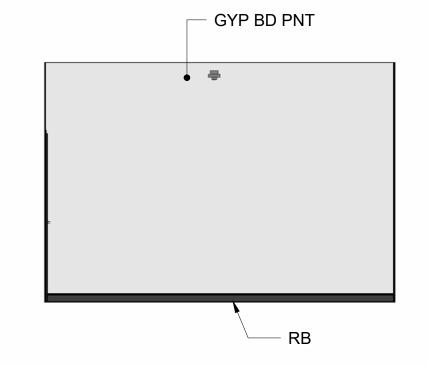
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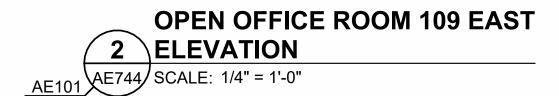


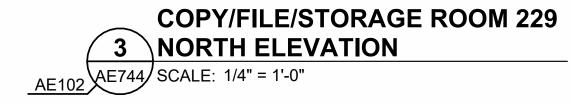
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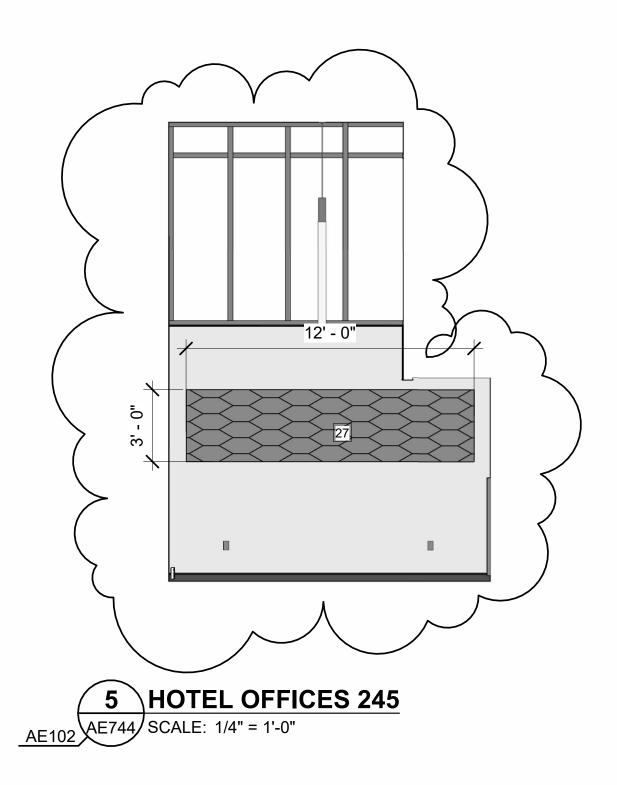
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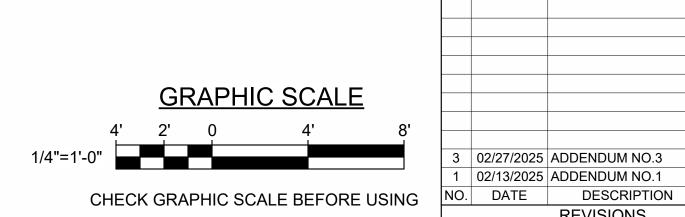
AE744 SCALE: 1/4" = 1'-0"

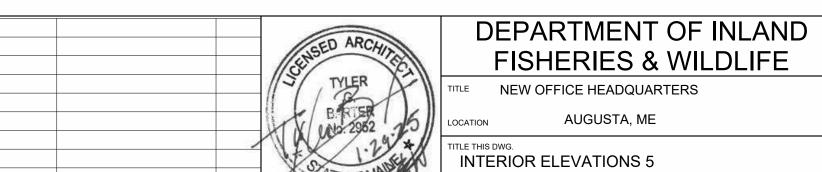












HMG DRAWN BY: Author

HMG CHECK BY: Designer

DATE 01/29/2025

02/27/2025 ADDENDUM NO.3

REVISIONS

231 Main Street, Biddeford, Maine 04005

GENERAL NOTES

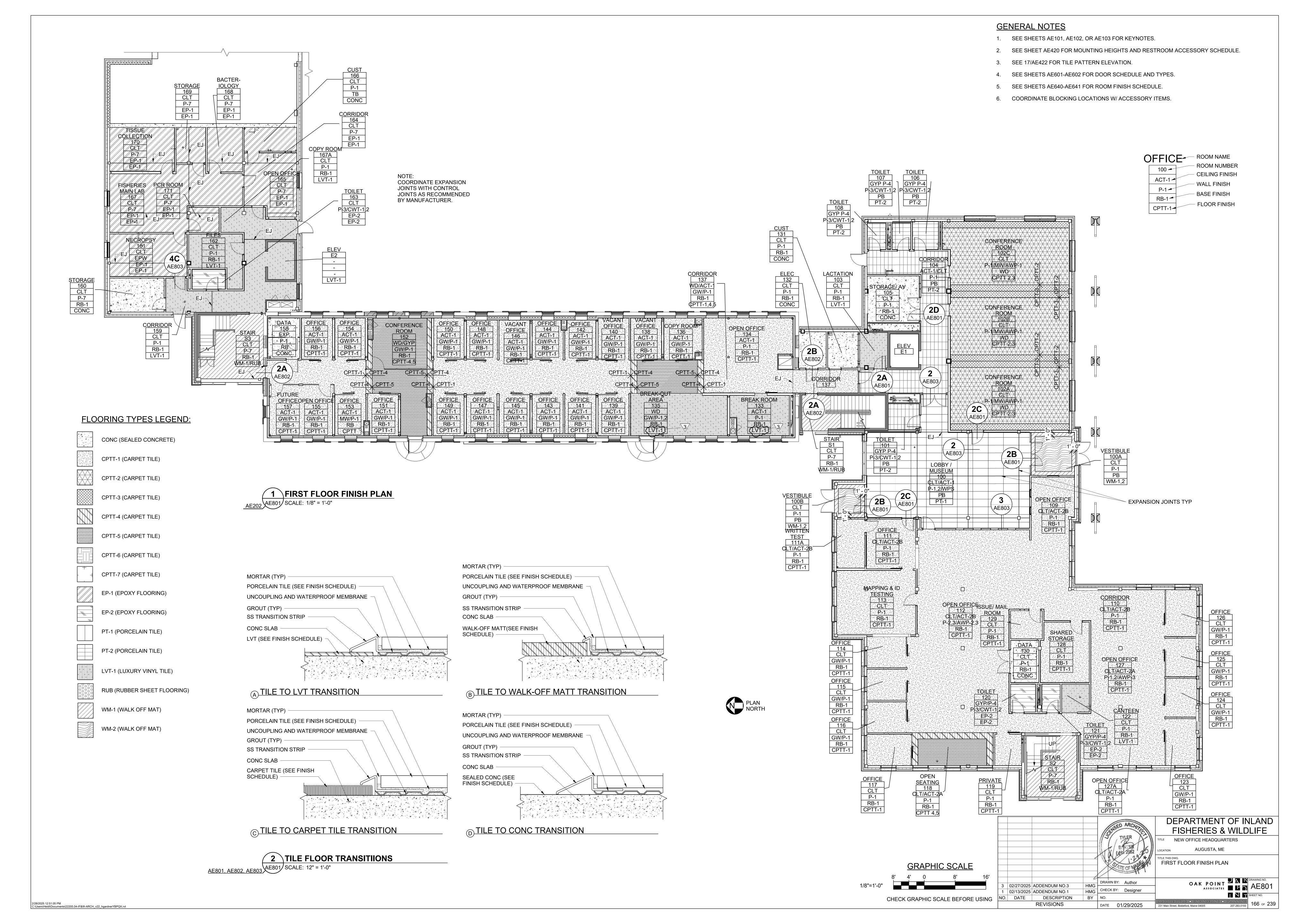
SEE SHEETS AE101, AE102, OR AE103 FOR KEYNOTES.

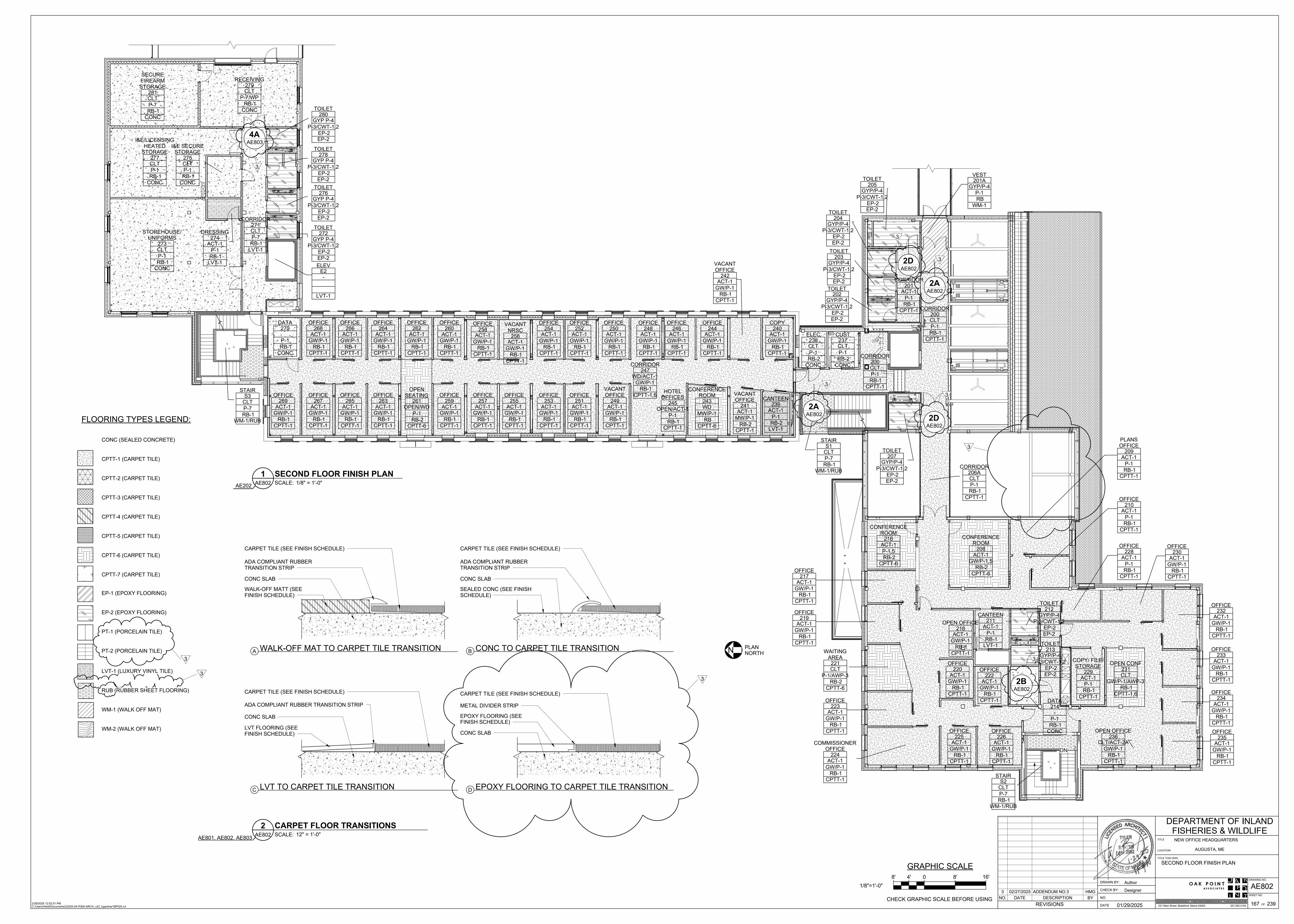
SEE SHEETS AE601-AE602 FOR DOOR SCHEDULE AND TYPES.

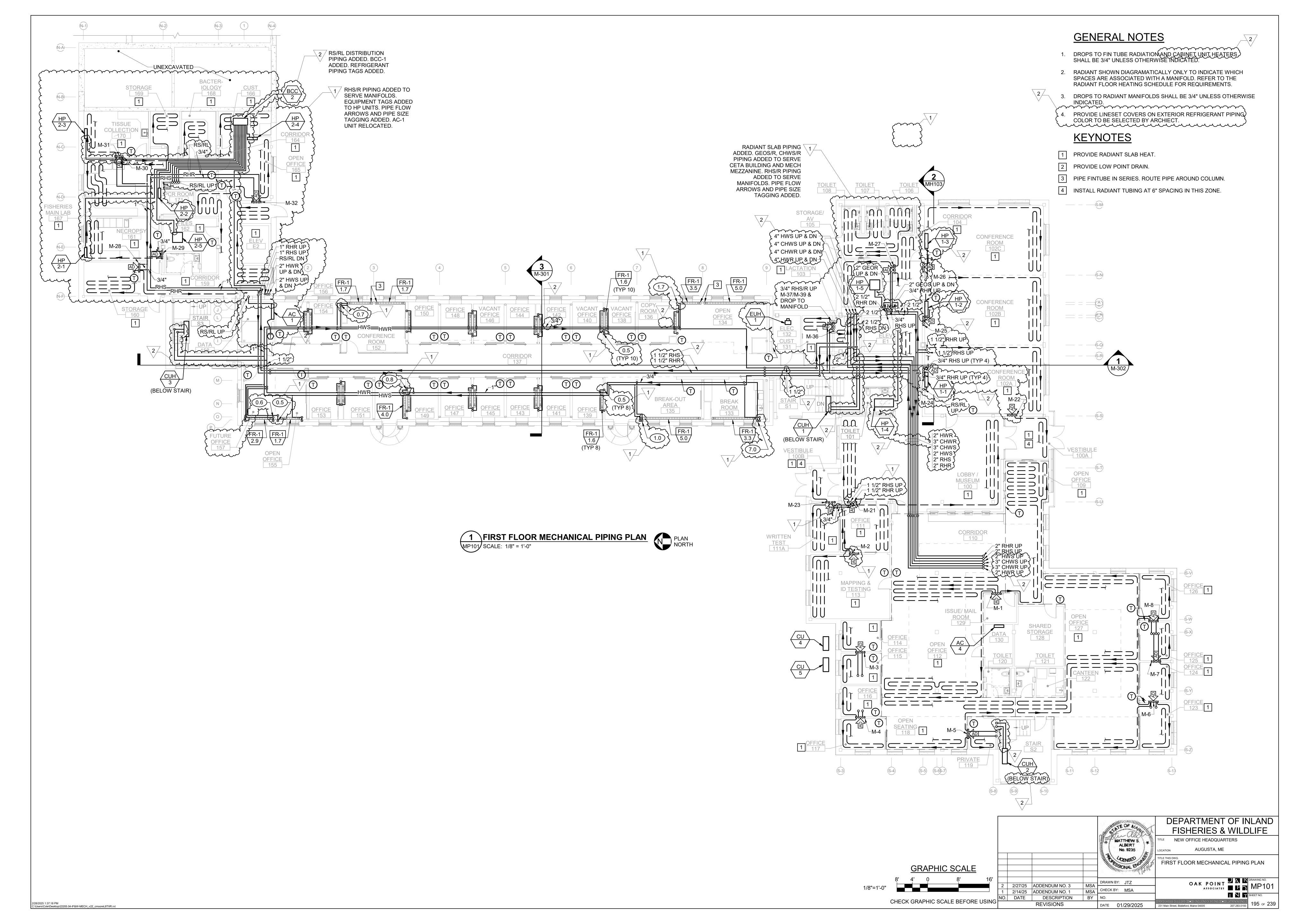
SEE SHEET AE620 FOR WINDOW, STOREFRONT, CURTAINWALL, AND BORROWED LITE TYPES.

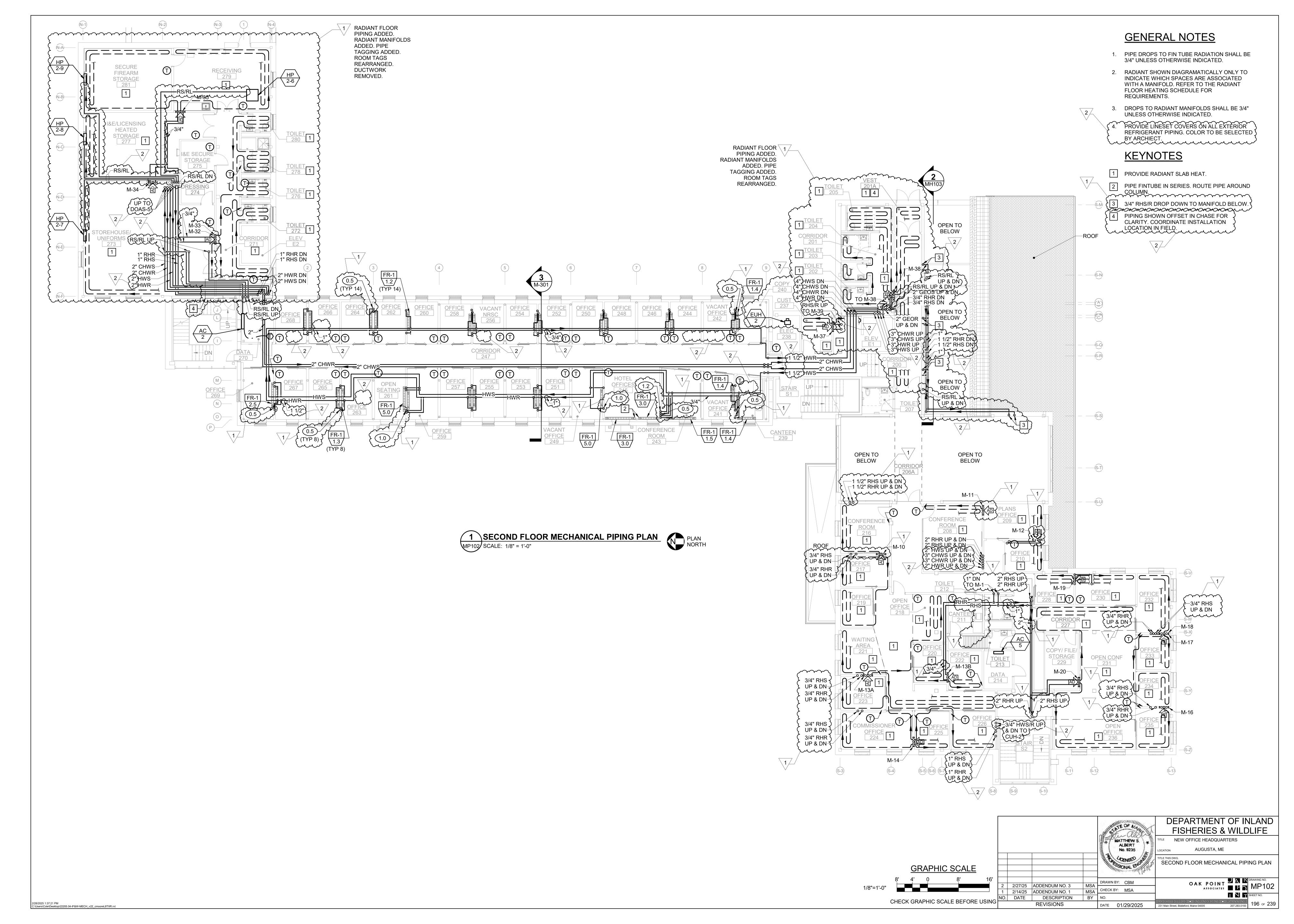
SEE SHEET AE630 FOR DEMOUNTABLE PARTITION DETAILS.

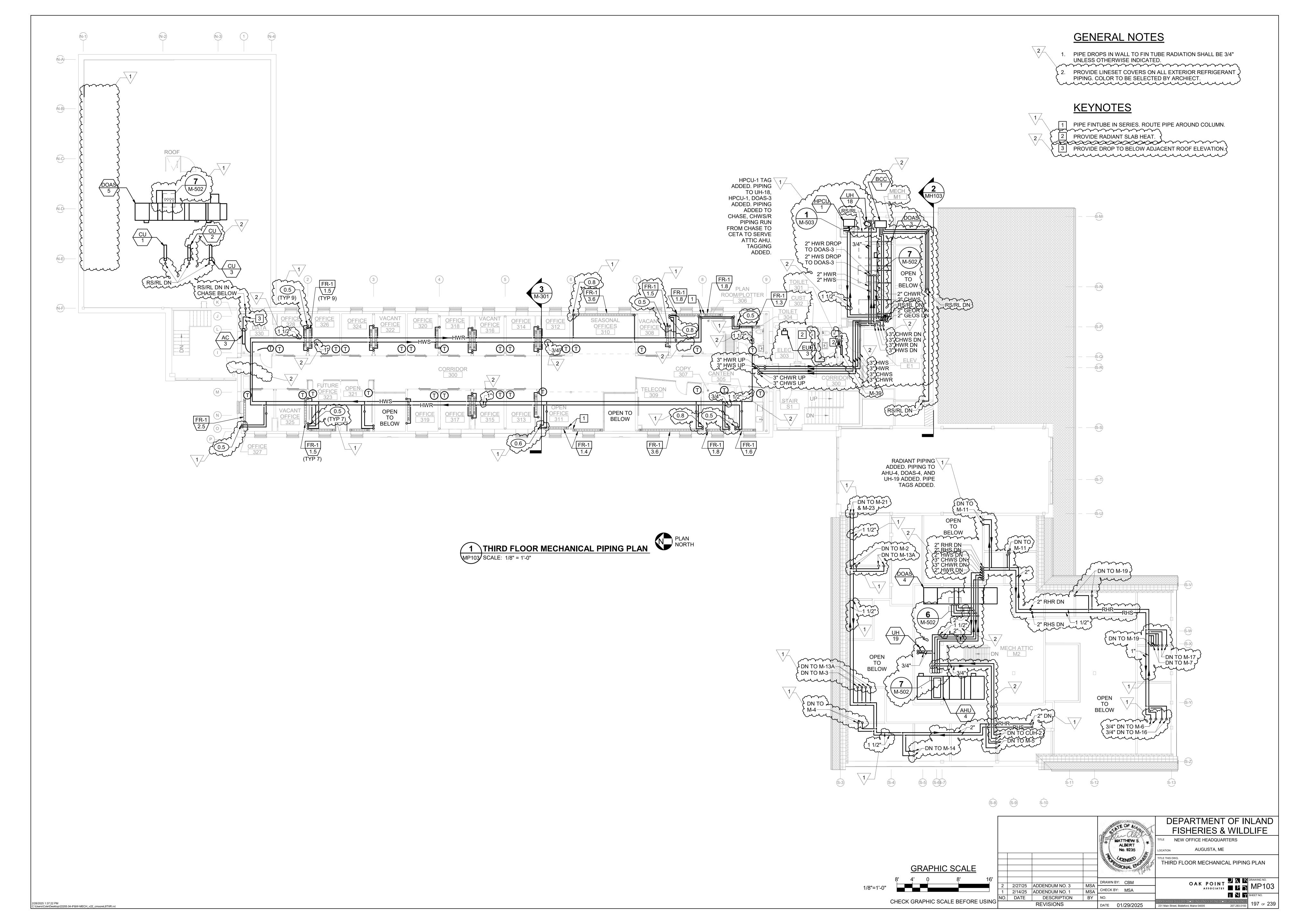
5. SEE SHEETS AE640-AE641 FOR ROOM FINISH SCHEDULE.







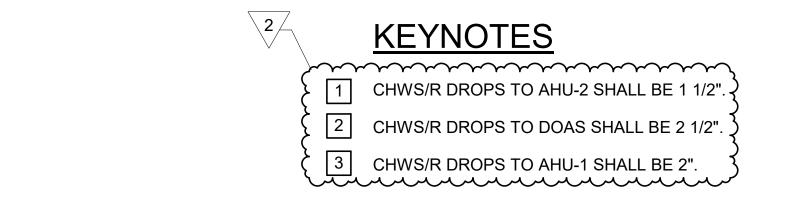




GENERAL NOTES

1. BRANCH PIPING TO UNIT HEATERS SHALL BE 3/4" UNLESS OTHERWISE INDICATED.

PLANNING 207.283.0193 198 OF 239

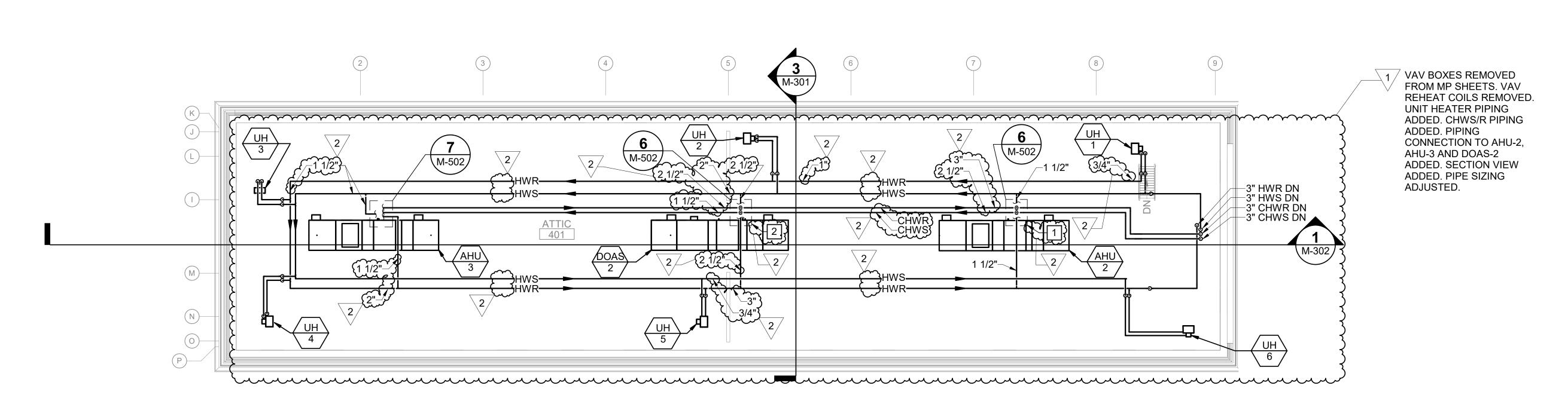


CHECK GRAPHIC SCALE BEFORE USING

REVISIONS

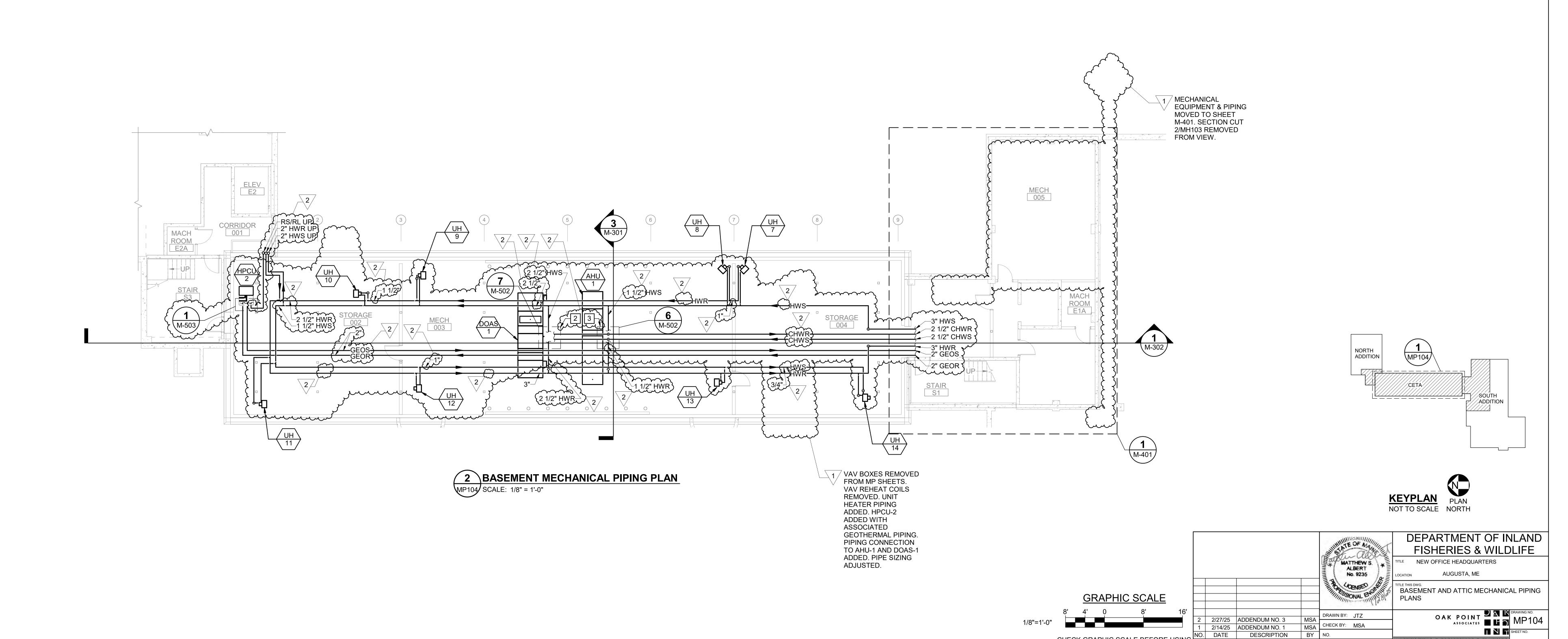
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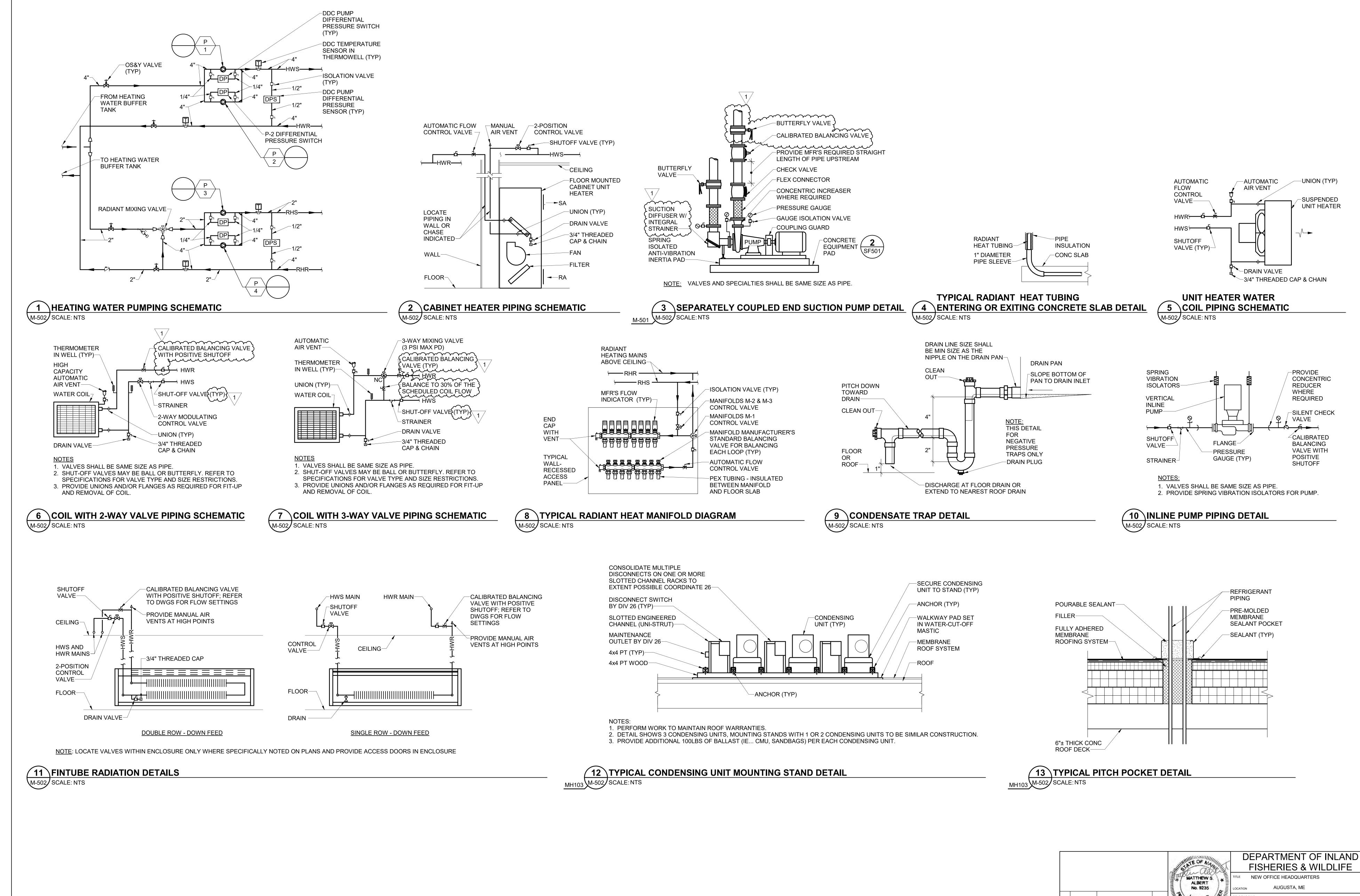
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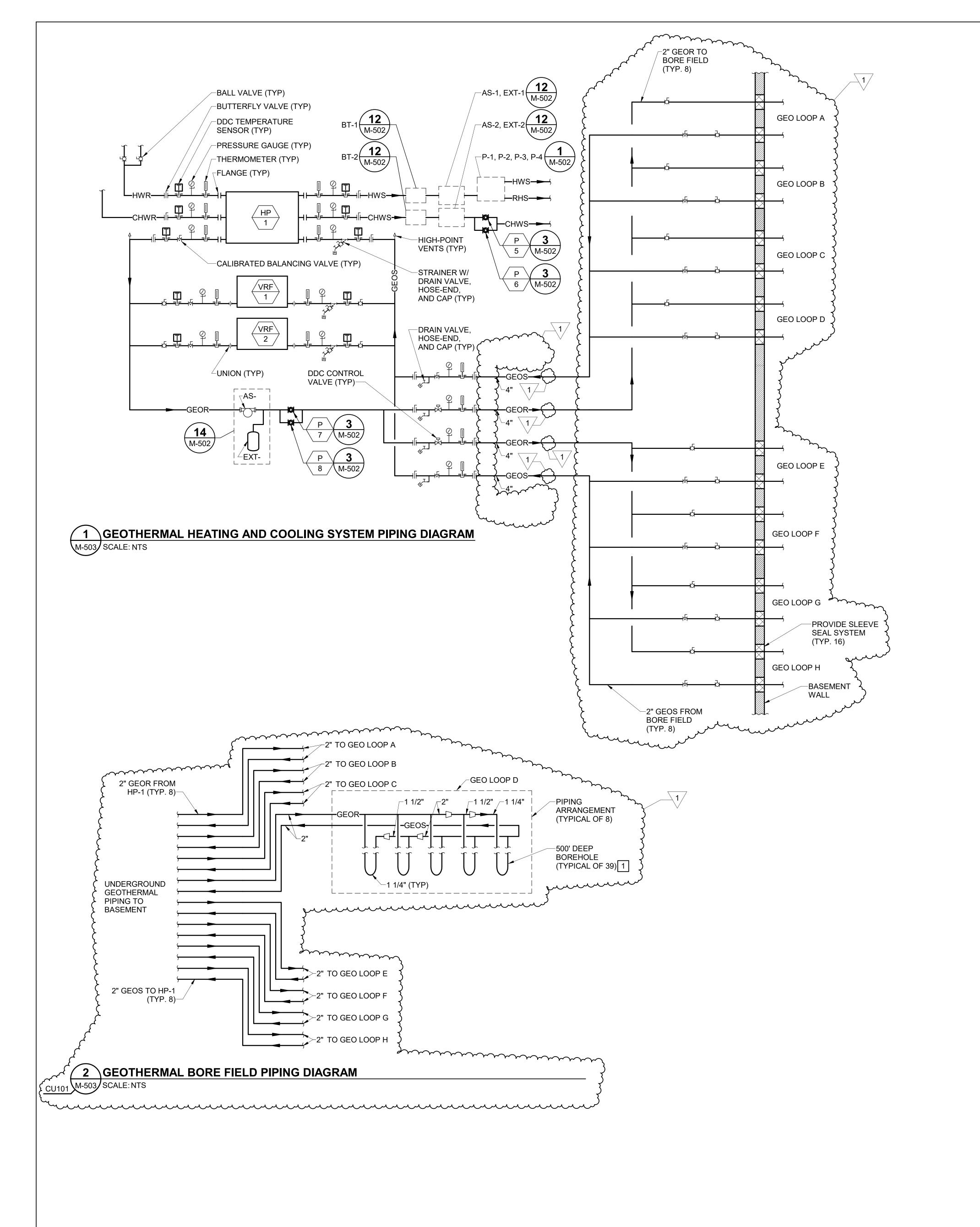


1 ATTIC MECHANICAL PIPING PLAN
MP104 SCALE: 1/8" = 1'-0"

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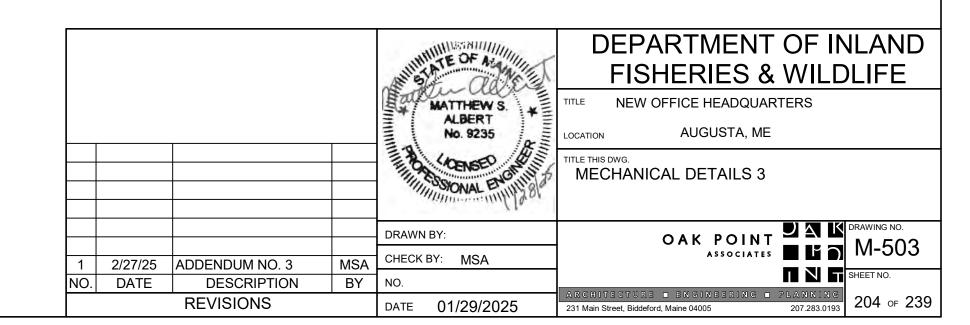
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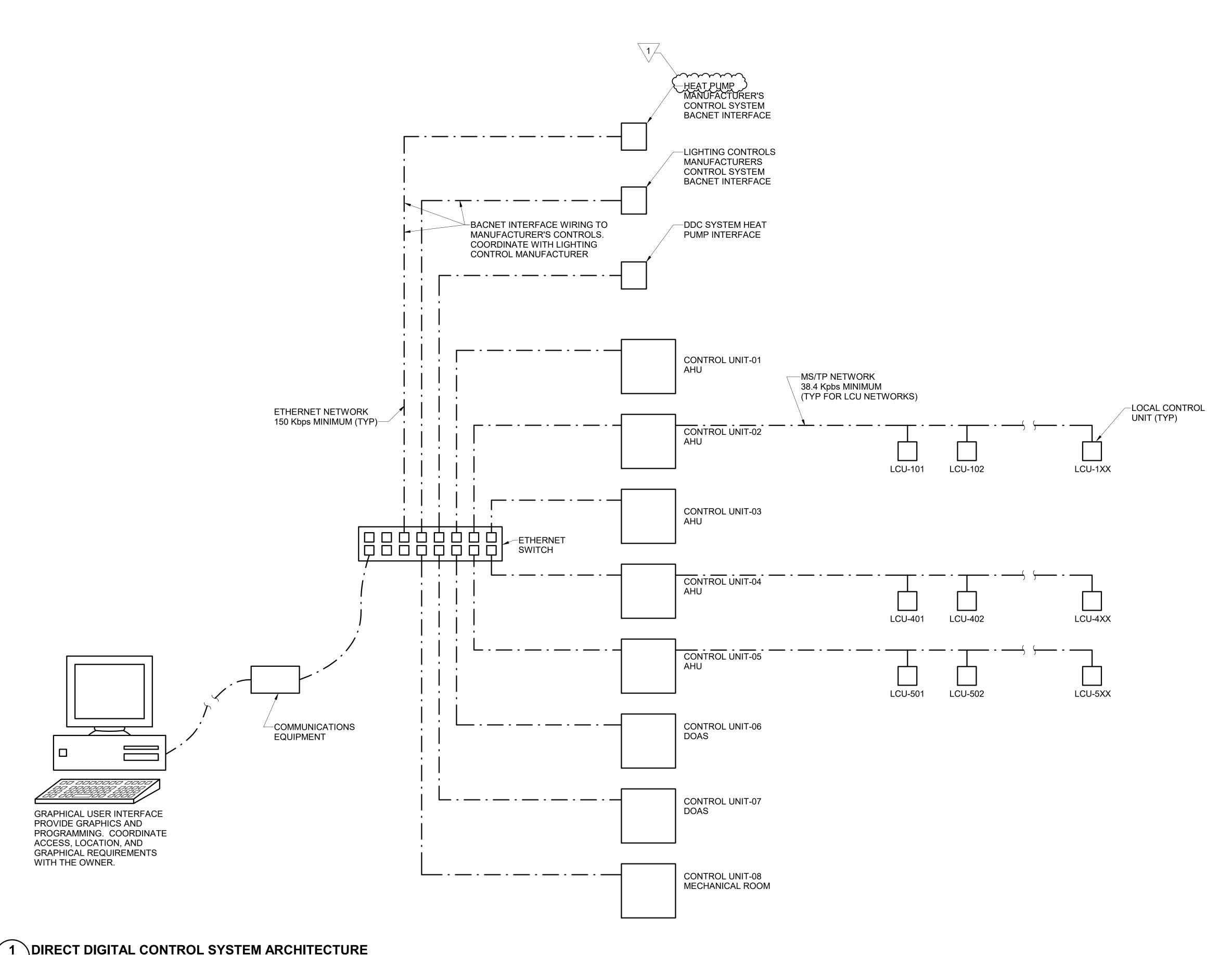
GENERAL NOTE

 REFER TO SHEET CU101 FOR BORE FIELD LAYOUT, LOCATION OF EXISTING BORE HOLE, AND TRENCHES.

KEYNOTE

IN ADDITION TO THE (39) 500' BOREHOLES. CONNECT TO EXISTING 460' DEEP BOREHOLE THAT WAS USED FOR THERMAL CONDUCTIVITY TESTING. TOTAL NUMBER OF BOREHOLES = 40.





M-701 SCALE: NTS

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CONTROL SYSTEM GENERAL NOTES

1. ALARMS SHALL BE ANNUNCIATED ON THE GRAPHICAL USER INTERFACE (GUI) COMPUTERS AND SHALL BE FULLY INTEGRATED WITH EXISTING GRAPHICS.

- 2. SETTINGS, MODES, AND SETPOINTS THAT ARE INDICATED AS BEING ADJUSTABLE SHALL BE ADJUSTABLE BY THE BUILDING OPERATOR THROUGH THE GUI WITHOUT THE NEED TO CHANGE OR EDIT PROGRAMMING.
- 3. ALL INPUTS AND OUTPUTS SERVING A SINGLE PIECE OF EQUIPMENT (AHU, HEAT PUMP, ETC) SHALL BE WIRED TO A SINGLE CONTROLLER (WITH EXPANSION PANELS IF NECESSARY).
- 4. DISPLAY OF HISTORICAL TREND DATA SHALL BE AVAILABLE TO THE OWNER THROUGH A POINT-AND-CLICK ICON ON THE GUI COMPUTERS.
- 5. ANALOG DATA SHALL BE TRENDED AT REGULAR INTERVALS, DETERMINED BY THE EXPECTED RATE OF CHANGE OF THE DATA, AND SHALL BE ARCHIVED AND STORED ON THE GUI COMPUTER.
- 6. BINARY DATA SHALL BE TRENDED ON A CHANGE OF STATE BASIS AND SHALL BE ARCHIVED AND STORED ON THE GUI COMPUTER.
- 7. COORDINATE FINAL GUI COMPUTER LOCATION WITH OWNER.
- 8. ALL LOW-VOLTAGE AND CONTROL WIRING SHALL BE CONCEALED IN WALLS AND ABOVE CEILINGS.

 9. THE CONTROL SYSTEM SHALL CONSIST OF A HIGH-SPEED, PEER-TO-PEER NETWORK OF DDC
 CONTROLLERS, A CONTROL SYSTEM SERVER, AND A WEB-BASED OPERATOR INTERFACE. DDC SYSTEM IS
 FOR MONITORING AND CONTROLLING VARIOUS HVAC SYSTEMS. THE CONTROL SYSTEM SHALL BE
 SEAMLESSLY INTEGRATED WITH THE STATE OF MAINE BUILDING CONTROL CENTER (BCC) WHICH
 PROVIDES 24 HOURS A DAY, 7 DAYS A WEEK, 365 DAYS A YEAR MONITORING OF STATE FACILITIES. THE
 HVAC CONTROLS SHALL BE AN EXTENSION OF THE EXISTING HONEYWELL ENTERPRISE BUILDING
 INTEGRATOR (EBI) WITH HOST SERVER HARDWARE LOCATED IN AUGUSTA MAINE. THE BUILDING
 AUTOMATION SYSTEM (BAS) SHALL ENABLE MONITORING AND CONTROL OF MECHANICAL SYSTEMS
 INSTALLED UNDER THE SCOPE OF THIS PROJECT THROUGH TO THE BCC. INTEGRATION OF HVAC
 SYSTEM, PANELS, ASSOCIATED DEVICES, FRONT-END PROGRAMMING, AND GRAPHICS IS PROPRIETARY
- 10. DDC SYSTEM SHALL INTERFACE WITH AN EXISTING BCC BUILDING CONTROL CENTER ENTERPRISE SYSTEM TO ADHERE TO OWNER STANDARDS ALREADY IN-PLACE AND TO ACHIEVE INTEGRATION. INTEGRATION IS LIMITED TO 3 STATE OF MAINE NETWORK CONNECTIONS.

TO HONEYWELL INTERNATIONAL INC. CONTACT: BOB MASLAND, SENIOR ACCOUNT EXECUTIVE,

HONEYWELL BUILDING TECHNOLOGIES; ROBERT.MASLAND2@HONEYWELL.COM.

11. ENGAGE OWNER'S CONTROL SYSTEM INTEGRATOR HONEYWELL EBI TO PROVIDE THE FOLLOWING SERVICES:

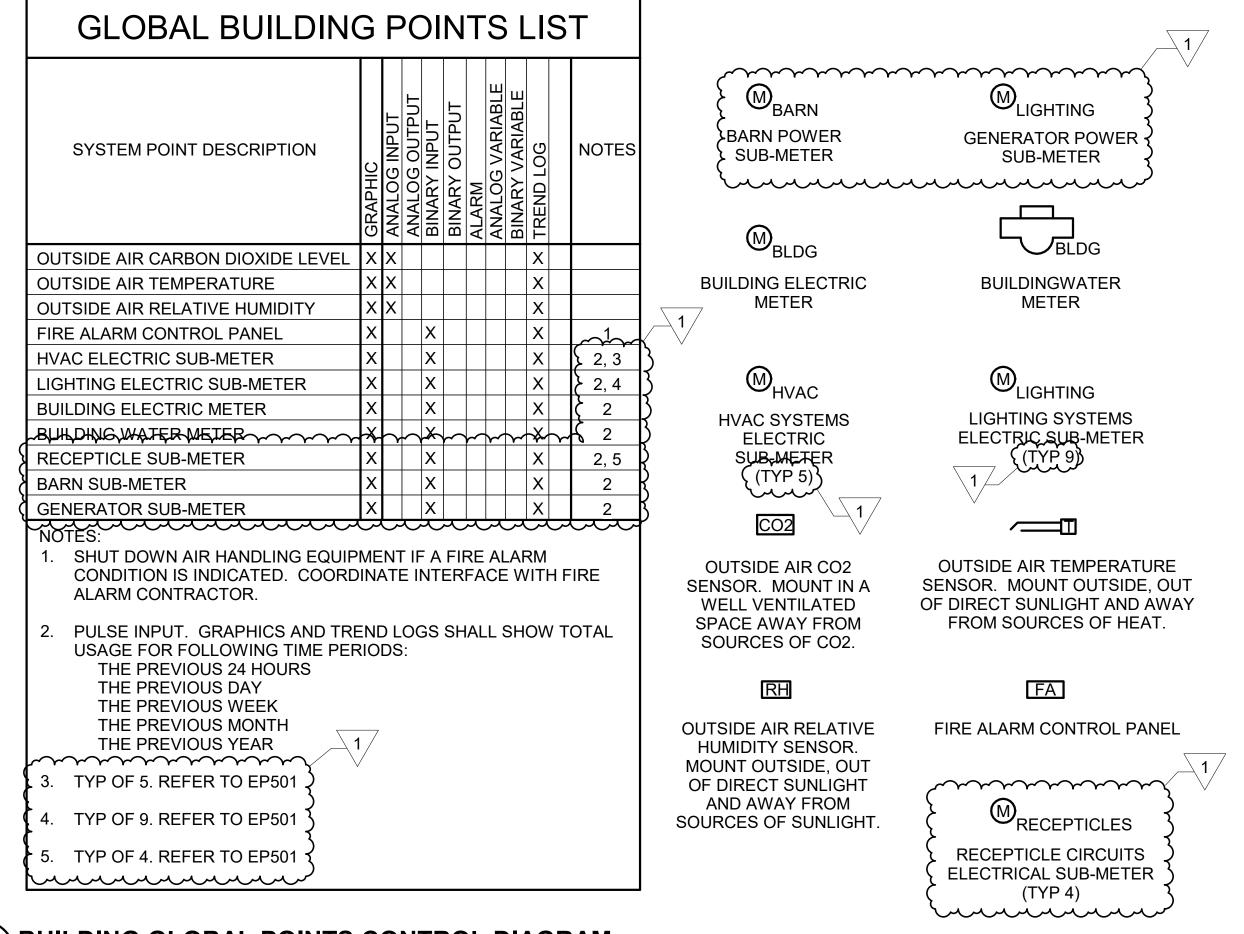
SYSTEM EXPANSION AND DEVELOPMENT OF GRAPHICS, LOGS, REPORTS, TRENDS, AND OTHER OPERATIONAL CAPABILITIES OF ENTERPRISE SYSTEM FOR I/O BEING ADDED TO DDC CONTROL SYSTEM FOR USE BY ENTERPRISE SYSTEM OPERATORS.

ASSISTANCE DURING COMMISSIONING TO EXTENT OF DDC SYSTEM INTEGRATION WITH EXISTING ENTERPRISE SYSTEM.

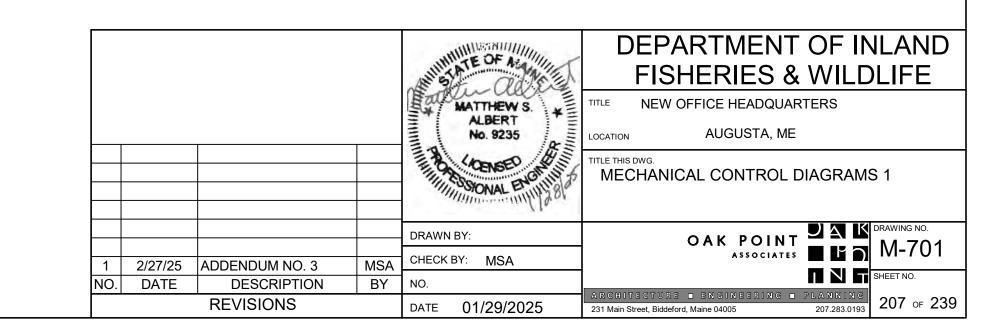
PREP/B.'LE ON-SITE DEMONSTRATION MOCKUP OF INTEGRATION OF DDC SYSTEM TO BE INSTALLED WITH EXISTING SYSTEM BEFORE INSTALLING DDC SYSTEM.

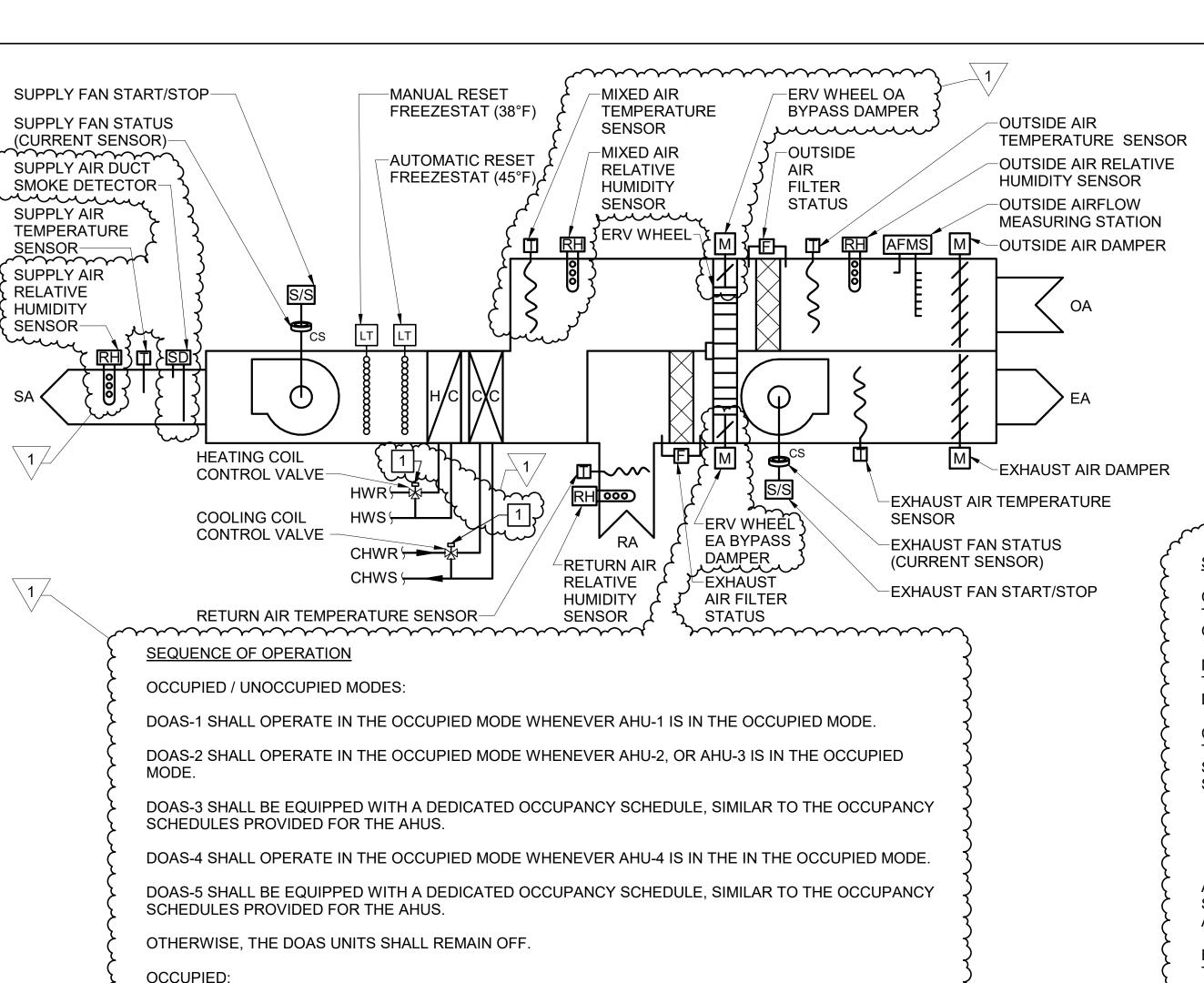
12. REPORTS AC.) LOGS SHALL BE PROVIDED VIA THE EXISTING HONEYWELL EBI SYSTEM.

- .
 13. THE STATE OF MAINE HAS A REQUIREMENT FOR NO LOCAL SPACE TEMPERATURE SENSOR CONTROL BY OCCUPANTS. SPACE SENSOR CONTROL WILL FOLLOW STATE STANDARD OF 68 DEGREES FOR HEATING AND 75 DEGREES FOR COOLING.
- 14. THE STATE OF MAINE USES FORGE, AN INTUITIVE PROGRAM THAT USES ANALYTICS TO REPORT ABNORMALITIES WITHIN THE HVAC SYSTEMS. PROVIDE ASSET INTEGRATION INTO FORGE.
- 15. THE STATE OF MAINE USES COMMAND & CONTROL, AN INTELLIGENT SOLUTION, THAT PROVIDES A MORE EFFECTIVELY MONITORING, OPTIMIZATION, AND AUTOMATE ESSENTIAL FUNCTIONS, FOR ENERGY MANAGEMENT AND HVAC ASSETS WILL REQUIRE MODIFICATIONS TO THE CURRENT FACILITY COMMAND AND CONTROL SUITE MODEL.
- . 16. LICENSING PROVIDE REQUIRED ADDITIONAL HONEYWELL EBI HVAC LICENSING POINTS.



2 BUILDING GLOBAL POINTS CONTROL DIAGRAM
M-701 SCALE: NTS





FOLLOWING USER ADJUSTABLE RESET SCHEDULE: SUPPLY AIR SET POINT **OUTSIDE AIR TEMPERATURE**

65°F

THE ERV BYPASS DAMPERS, HEATING VALVE AND COOLING VALVE SHALL MODULATE IN SEQUENCE AND WITHOUT OVERLAP TO MAINTAIN THE SUPPLY AIR SET POINT.

55°F

DURING OCCUPIED MODE THE SUPPLY AND EXHAUST FANS SHALL OPERATE CONTINUOUSLY, THE

CONTINUOUSLY, AND THE SUPPLY AIR TEMPERATURE SHALL BE MAINTAINED ACCORDING TO THE

OUTSIDE AND EXHAUST AIR DAMPERS SHALL REMAN OPEN, THE ERV WHEEL SHALL TURN

IF THE SUPPLY AIR RELATIVE HUMIDITY EXCEEDS THE SUPPLY AIR RH HIGH LIMIT (65%RH, ADJUSTABLE) FOR LONGER THAN 15 MINUTES (ADJUSTABLE) THEN THE UNIT SHALL ENTER DEHUMIDIFICATION MODE. DURING DEHUMIDIFICATION MODE THE WHEEL BYPASS DAMPERS SHALL BE FULLY CLOSED. THE ERV WHEEL SHALL CONTINUE TO RUN,

THE COOLING COIL VALVE SHALL MODULATE TO MAINTAIN THE SUPPLY AIR DEHUMIDIFICATION SET POINT, 45%RH (ADJUSTABLE), AND THE HEATING COIL CONTROL VALVE SHALL MODULATE TO MAINTAIN THE SUPPLY AIR TEMPERATURE SET POINT.

THE UNIT SHALL REMAIN IN THE DEHUMIDIFICATION MODE FOR A MINIMUM OF 20-MINUTES (ADJUSTABLE). THE DEHUMIDIFICATION MODE SHALL END AFTER THE MINIMUM RUN TIME IF THE RETURN AIR RELATIVE HUMIDITY REMAINS BELOW 50%RH (ADJUSTABLE) FOR 10-MINUTES (ADJUSTABLE) AND THE MIXED AIR RELATIVE HUMIDITY IS BELOW 60%RH (ADJUSTABLE), OR IF THE OCCUPIED MODE ENDS.

DURING THE UNOCCUPIED MODE THE FANS SHALL REMAIN OFF, THE OUTSIDE AND EXHAUST AIR DAMPERS SHALL REMAIN CLOSED, AND THE HEATING COIL SHALL MODULATE TO MAINTAIN 50°F (ADJUSTABLE) AT THE MIXED AIR TEMPERATURE SENSOR.

SYSTEM POINT DESCRIPTION OLING COIL CONTROL VALVE ATING COIL CONTROL VALVE NUAL RESET FREEZESTAT TOMATIC RESET FREEZESTAT PPLY AIR TEMPERATURE SENSOR PPLY FAN START/STOP PPLY FAN STATUS CURRENT SENSOR HAUST AIR TEMPERATURE SENSOR HAUST FAN STATUS CURRENT SENSOR		X X X X X X X X X X X X X X X X X X X	X X (X Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	X	X BINARY	X X ALARM	X ANALOG VARIABLE SINARY VARIABLE	FOG	NOTES
ATING COIL CONTROL VALVE NUAL RESET FREEZESTAT TOMATIC RESET FREEZESTAT PPLY AIR TEMPERATURE SENSOR PPLY FAN START/STOP PPLY FAN STATUS CURRENT SENSOR HAUST AIR TEMPERATURE SENSOR HAUST FAN STATUS CURRENT SENSOR HAUST FAN STATUS CURRENT SENSOR HAUST FAN STATUS CURRENT SENSOR		X	X X X	X X,	X	X	X	X X	4
NUAL RESET FREEZESTAT TOMATIC RESET FREEZESTAT PPLY AIR TEMPERATURE SENSOR PPLY FAN START/STOP PPLY FAN STATUS CURRENT SENSOR HAUST AIR TEMPERATURE SENSOR HAUST FAN STATUS CURRENT SENSOR HAUST FAN STATUS CURRENT SENSOR HAUST AIRFLOW DAMPER		X	X X X X		(X	X	X	4
TOMATIC RESET FREEZESTAT PPLY AIR TEMPERATURE SENSOR PPLY FAN START/STOP PPLY FAN STATUS CURRENT SENSOR HAUST AIR TEMPERATURE SENSOR HAUST FAN STATUS CURRENT SENSOR HAUST FAN STATUS CURRENT SENSOR HAUST AIRFLOW DAMPER		X	X X X		(X	X	X	4
PPLY AIR TEMPERATURE SENSOR PPLY FAN START/STOP PPLY FAN STATUS CURRENT SENSOR HAUST AIR TEMPERATURE SENSOR HAUST RELATIVE HUMIDITY SENSOR HAUST FAN STATUS CURRENT SENSOR HAUST AIRFLOW DAMPER		X X X X X X X X X X	X X X) ~~		+	X	+	-
PPLY FAN START/STOP PPLY FAN STATUS CURRENT SENSOR HAUST AIR TEMPERATURE SENSOR HAUST RELATIVE HUMIDITY SENSOR HAUST FAN STATUS CURRENT SENSOR HAUST AIRFLOW DAMPER		X X X X	X X X	4	X	X	X	X	
PPLY FAN STATUS CURRENT SENSOR HAUST AIR TEMPERATURE SENSOR HED AIR RELATIVE HUMIDITY SENSOR HAUST FAN STATUS CURRENT SENSOR HAUST AIRFLOW DAMPER		X X X	X	<u> </u>	X			1 1	1
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AAUST FAN STATUS CURRENT SENSOR HAUST AIRFLOW DAMPER		X	X					ŤXŤ	4
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HAUST AIRFLOW DAMPER		١,,	Х					X	1
		X	Х					X	
JALIST EAN STADT/STOD		Х		X				X	
TAUST FAN START/STUP		Х			X			X	
HAUST AIR FILTER STATUS		X	Х					X	
TURN AIR TEMPERATURE SENSOR		X	Х					X	
TURN AIR RELATIVE HUMIDITY SENSOR		X	Х					X	
TSIDE AIR TEMPERATURE SENSOR		X	Х			X	X	X	
TSIDE AIR RELATIVE HUMIDITY		X	Х					X	
TSIDE AFMS		X	Х					X	
TSIDE AIRFLOW DAMPER		X		X		 	کہر	X	~~~
ISIDE AIR FILTER STATUS	~~~	\sim	X	~	4	X	X	-X	$\frac{5}{}$
TSIDE AIR FILTER STATUS		X	Х						
TOMATIC RESET FREEZESTAT		X)	_	X		X	3
V WHEEL START/STOP		X			X				
V WHEEL OA BYPASS DAMPER		X			_			+ +	
V WHEEL EA BYPASS DAMPER		X		X				X	
(ED AIR TEMPERATURE		X	Х					X	
	TSIDE AIR RELATIVE HUMIDITY TSIDE AFMS TSIDE AIRFLOW DAMPER TSIDE AIR FILTER STATUS TSIDE AIR FILTER STATUS TOMATIC RESET FREEZESTAT V WHEEL START/STOP V WHEEL OA BYPASS DAMPER TED AIR TEMPERATURE	TSIDE AIR RELATIVE HUMIDITY TSIDE AFMS TSIDE AIRFLOW DAMPER ISIDE AIR FILTER STATUS TSIDE AIR FILTER STATUS TOMATIC RESET FREEZESTAT V WHEEL START/STOP V WHEEL OA BYPASS DAMPER XED AIR TEMPERATURE	TSIDE AIR RELATIVE HUMIDITY TSIDE AFMS TSIDE AIRFLOW DAMPER TSIDE AIR FILTER STATUS TSIDE AIR FILTER STATUS TSIDE AIR FILTER STATUS TOMATIC RESET FREEZESTAT TOWNHEEL START/STOP TOWNHEEL OA BYPASS DAMPER TOWNHEEL EA BYPASS DAMPER	TSIDE AIR RELATIVE HUMIDITY TSIDE AFMS TSIDE AIRFLOW DAMPER TSIDE AIR FILTER STATUS TSIDE AIR FILTER STATUS TSIDE AIR FILTER STATUS TOMATIC RESET FREEZESTAT TWHEEL START/STOP TWHEEL OA BYPASS DAMPER TED AIR TEMPERATURE X X X X X X X X X X X X X X X X X X X	TSIDE AIR RELATIVE HUMIDITY TSIDE AFMS TSIDE AIRFLOW DAMPER TSIDE AIR FILTER STATUS TSIDE AIR FILTER STATUS TSIDE AIR FILTER STATUS TOMATIC RESET FREEZESTAT WHEEL START/STOP WHEEL OA BYPASS DAMPER WHEEL EA BYPASS DAMPER TED AIR TEMPERATURE X X X X X X X X X X X X X X X X X X X	TSIDE AIR RELATIVE HUMIDITY TSIDE AFMS TSIDE AIRFLOW DAMPER TSIDE AIR FILTER STATUS TSIDE AIR FILTER STATUS TSIDE AIR FILTER STATUS TOMATIC RESET FREEZESTAT TSIDE AIR FILTER STATUS TOMATIC RESET FREEZESTAT TSIDE AIR FILTER STATUS TOMATIC RESET FREEZESTAT TSIDE AIR FILTER STATUS TSIDE AIR FILTE	TSIDE AIR RELATIVE HUMIDITY TSIDE AFMS TSIDE AIRFLOW DAMPER TSIDE AIR FILTER STATUS TSIDE AIR FILTER STATUS TOMATIC RESET FREEZESTAT TWHEEL START/STOP TWHEEL OA BYPASS DAMPER TYPE AIR FILTER STATUS TOMATIC RESET FREEZESTAT TWHEEL OA BYPASS DAMPER TWHEEL OA BYPASS DAMPER TED AIR TEMPERATURE TSIDE AIR FILTER STATUS TSI	TSIDE AIR RELATIVE HUMIDITY TSIDE AFMS TSIDE AIRFLOW DAMPER TSIDE AIR FILTER STATUS TSIDE AIR FILTER STATUS TOMATIC RESET FREEZESTAT WHEEL START/STOP WHEEL OA BYPASS DAMPER WHEEL EA BYPASS DAMPER TED AIR TEMPERATURE X X X X X X X X X X X X X X X X X X X	TSIDE AIR RELATIVE HUMIDITY TSIDE AFMS TSIDE AIRFLOW DAMPER TSIDE AIR FILTER STATUS TSIDE AIR FILTER STATUS TOMATIC RESET FREEZESTAT WHEEL START/STOP WHEEL OA BYPASS DAMPER WHEEL EA BYPASS DAMPER TED AIR TEMPERATURE X X X X X X X X X X X X X X X X X X X

TYPICAL DOAS CONTROL DIAGRAM

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-RA TEMPERATURE SENSOR SUPPLY DUCT STATIC PRESSURE SENSOR-RA RELATIVE mmm RETURN AIR **EXHAUST** -PREFILTER **HUMIDITY SENSOR** DAMPER-SA RELATIVE DAMPER ? **OUTSIDE AIR HUMIDITY SENSOR-**DAMPER-AFMS OUTSIDE DETECTOR AIRFLOW SUPPLY SWITCH-FAN VFD-MEASURING \ -SA TEMPERATURE STATION-SENSOR CHWR -COOLING COIL PREFILTER SWITCH-**CONTROL VALVE** ROOM **TEMPERATURE** CHWS⊱ SENSOR MIXED AIR TEMPERATURE SENSOR-HEATING COIL -ROOM RELATIVE \cdots CONTROL VALVE, HUMIDITY TYP FOR AHU SENSOR SEQUENCE OF OPERATION

OCCUPIED / UNOCCUPIED MODES

 λ THE OCCUPIED AND UNOCCUPIED MODES SHALL BE DETERMINED BY USER-ADJUSTABLE 7-DAY/24-HOUR SCHEDULES WHICH SHALL BE ADJUSTABLE BY THE BUILDING OPERATOR THROUGH THE GUI. EACH AHU SHALL HAVE A SEPARATE SCHEDULE. SCHEDULES SHALL BE PROVIDED FOR HOLIDAYS. EVENTS. AND EVERYDAY USE.

DE-HUMIDIFICATION MODE THE AHU SHALL ENTER DE-HUMIDIFICATION MODE IF THE RETURN AIR RH INDICATES A RELATIVE HUMIDITY ABOVE THE MAXIMUM RH SETPOINT (55%RH, ADJUSTABLE). DE-HUMIDIFICATION MODE SHALL END WHEN THE RETURN AIR' RH SENSOR REMAINS BELOW THE MAXIMUM RH SETPOINT FOR 20 MINUTES (ADJUSTABLE).

COOLING MODE:

THE AHU SHALL ENTER THE COOLING MODE WHENEVER THE MAJORITY OF THE ZONES ARE CALLING FOR COOLING. DURING COOLING MODE, THE SUPPLY AIR SET POINT SHALL BE DETERMINED BY THE VAV ZONE WITH THE GREATEST COOLING DEMAND AND SHALL BE RESET ACCORDING TO THE FOLLOWING USER-ADJUSTABLE RESET SCHEDULE:

<u>AHU SUPPLY AIR SET POIN</u> ZONE TEMP > ZONE CLG SET POINT ZONE TEMP = ZONE CLG SET POINT - 1 65° F

AFTER THE AHU HAS ENTERED COOLING MODE THE UNIT SHALL REMAIN IN COOLING MODE UNTIL HEATING MODE IS ENABLED. WHILE THE UNIT IS IN COOLING MODE THE SUPPLY FAN SHALL STOP AND THE OUTSIDE AND EXHAUST AIR DAMPERS SHALL CLOSE. IF ONE OR MORE ZONES CALL FOR COOLING THE SUPPLY FAN SHALL START AND THE DAMPERS SHALL OPERATE AS DESCRIBED BELOW

HEATING MODE:

THE AHU SHALL ENTER THE HEATING MODE WHENEVER THE MAJORITY OF THE ZONES ARE CALLING FOR HEAT. DURING HEATING MODE, THE SUPPLY AIR SET POINT SHALL BE DETERMINED BY THE VAV ZONE WITH THE GREATEST HEATING DEMAND AND SHALL BE RESET ACCORDING TO THE FOLLOWING USER-ADJUSTABLE RESET SCHEDULE:

AHU SUPPLY AIR SET POINT ZONE TEMP < ZONE HTG SET POINT ZONE TEMP = ZONE HTG SET POINT +1

AFTER THE AHU HAS ENTERED HEATING MODE THE UNIT SHALL REMAIN IN HEATING MODE UNTIL COOLING MODE IS ENABLED. WHILE THE UNIT IS IN HEATING MODE THE SUPPLY FAN SHALL STOP AND THE OUTSIDE AND EXHAUST AIR DAMPERS SHALL CLOSE. IF ONE OR MORE ZONES CALL FOR HEATING THE SUPPLY FAN SHALL START AND THE DAMPERS SHALL OPERATE AS DESCRIBED BELOW.

OCCUPIED:

DURING UNOCCUPIED MODE THE SUPPLY FAN SHALL OPERATE CONTINUOUSLY AS LONG A THERE IS A CALL FOR HEATING OR COOLING FROM A ZONE) AND ITS SPEED SHALL MODULATE TO ACCORDING TO A SUPPLY DUCT STATIC PRESSURE RESET SCHEDULE WHICH SHALL MAINTAIN AT LEAST ONE VAV AIRFLOW WITH ITS DAMPER 90% OPEN AT ALL TIMES.

DURING THE COOLING MODE THE HEATING CONTROL VALVE SHALL REMAIN CLOSED. THE COOLING CONTROL VALVE SHALL MODULATE TO MAINTAIN AHU SUPPLY AIR SET POINT WHENEVER THE SUPPLY FAN IS RUNNING AND ECONOMIZER COOLING IS DISABLED, OTHERWISE IT SHALL REMAIN CLOSED.

ECONOMIZER COOLING SHALL BE ENABLED WHENEVER THE OUTSIDE AIR TEMPERATURE IS AT LEAST 5° F (ADJUSTABLE)BELOW THE AHU SUPPLY AIR SET POINT AND THE OUTSIDE AIR ENTHALPY IS 10% (ADJUSTABLE) LOWER THAN THE RETURN AIR ENTHALPY. DURING ECONOMIZER COOLING THE COOLING CONTROL VALVE SHALL REMAIN CLOSED AND THE MIXED AIR DAMPERS (OUTSIDE, RETURN, & EXHAUST) SHALL MODULATE TO MAINTAIN THE SUPPLY AIR SET POINT.

DURING THE HEATING MODE THE COOLING CONTROL VALVE SHALL REMAIN CLOSED. THE OUTSIDE AND EXHAUST DAMPERS SHALL REMAIN CLOSED AND THE RETURN DAMPER SHALL REMAIN OPEN. THE HEATING CONTROL VALVE SHALL MODULATE TO MAINTAIN AHU SUPPLY AIR SET POINT WHENEVER THE SUPPLY FAN IS. OTHERWISE IT SHALL REMAIN CLOSED.

WHENEVER THE DE-HUMIDIFICATION MODE IS ENABLED, THE COOLING COIL VALVE SHALL MODULATE TO MAINTAIN THE DE-HUMIDIFICATION MODE SUPPLY AIR RELATIVE HUMIDITY SET POINT (45%RH, ADJUSTABLE). THE HEATING COIL VALVE SHALL MODULATE TO MAINTAIN THE SUPPLY AIR TEMPERATURE SET POINT. AND THE OUTSIDE AND EXHAUST DAMPERS SHALL BE CLOSED. WHEN THE DE-HUMIDIFICATION IS DISABLED THE HEATING COIL VALVE AND COOLING COIL VALVE SHALL RETURN TO STANDARD OPERATION.

UNOCCUPIED:

DURING THE UNOCCUPIED MODE THE FAN SHALL REMAIN OFF, THE COOLING COIL VALVE SHALL REMAIN IN THE FULL BYPASS POSITION, AND THE HEATING COIL SHALL MODULATE TO MAINTAIN 50°F (ADJUSTABLE) AT THE MIXED AIR TEMPERATURE SENSOR

TYPICAL AHU POINTS LIST SYSTEM POINT DESCRIPTION SUPPLY AIR TEMPERATURE | |X|X| |X| | SUPPLY AIR RELATIVE HUMIDITY RETURN AIR TEMPERATURE RETURN AIR RELATIVE HUMIDITY SUPPLY AIR SMOKE DETECTOR |X| |X|PREFILTER SWITCH FILTER SWITCH MIXED AIR TEMPERATURE COOLING COIL CONTROL VALVE HEATING COIL CONTROL VALVE SUPPLY FAN VFD ENABLE SUPPLY FAN VFD SIGNAL SUPPLY FAN VFD ALARM OUTSIDE AFMS **OUTSIDE AIRFLOW DAMPER** ROOM TEMPERATURE ROOM RELATIVE HUMIDITY SENSOR SUPPLY DUCT STATIC PRESSURE OUTSIDE AIR DAMPER RETURN AIR DAMPER EXHAUST AIR DAMPER **OUTSIDE AIRFLOW** my phytyppomentum manner menter of the second manner of the second manne 1. GENERATE ALARM ON GUI IF TEMPERATURE IS NOT ±5°F OF SET POINT. GENERATE ALARM ON GUI IF TEMPERATURE IS BELOW 15°F GENERATE ALARM ON GUI IF SMOKE DETECTOR INDICATES AN ALARM CONDITION. GENERATE ALARM ON GUI IF FREEZESTAT INDICATES A LOW TEMPERATURE CONDITION. GENERATE MAINTENANCE ALARM ON GUI IF FILTER PRESSURE DROP EXCEEDS 0.70 IN H2O.

GENERATE ALARM ON GUI IF VFD INDICATES AN ALARM CONDITION.

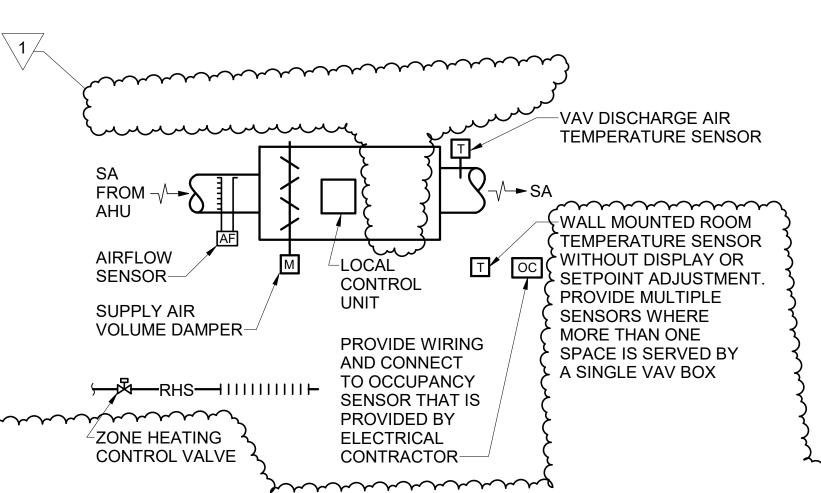
2 TYPICAL AHU CONTROL DIAGRAM M-702/SCALE: NTS

GENERAL NOTES

REFER TO M-701 CONTROL SYSTEM GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

KEYNOTES \cdots

PROVIDE 2-WAY VALVE FOR AHU-1 & -2, DOAS-2 & -4. PROVIDE 3-WAY VALVE FOR AHU-3 & -4. DOAS-1. -3. & -5.



SEQUENCE OF OPERATION

OCCUPIED MODE: THE VAV BOX SHALL MODULATE THE SUPPLY AIR VOLUME DAMPER TO MAINTAIN THE SUPPLY AIRFLOW SETPOINT. THE ZONE TEMPERATURE SENSOR SHALL RESET THE SUPPLY AIRFLOW SETPOINT. THE VAV BOX SHALL OPERATE IN EITHER THE HEATING MODE OR THE COOLING MODE. THE HEATING AND COOLING MODE SHALL BE DETERMINED BY THE AHU CONNECTED TO

THE VAV.

COOLING MODE: AS THE ZONE TEMPERATURE RISES ABOVE THE ZONE COOLING SETPOINT (75° F ADJUSTABLE) THE SUPPLY AIRFLOW SETPOINT SHALL MODULATE BETWEEN THE SCHEDULED MINIUM AND MAXIMUM AIRFLOW SET POINTS. THE SUPPLY AIRFLOW SETPOINT SHALL DECREASE AS THE ZONE TEMPERATURE APPROACHES THE COOLING SETPOINT. WHEN THE ROOM TEMPERATURE FALLS 1° F (ADJUSTABLE)BELOW THE COOLING SET POINT THEN THE VAV BOX SUPPLY AIRFLOW SETPOINT SHALL BE ZERO CFM AND THE VAV BOX DAMPER SHALL CLOSE.

HEATING MODE:

AS THE ZONE TEMPERATURE FALLS BELOW THE ZONE HEATING SETPOINT (68° F ADJUSTABLE) THE ZONE HEATING VALVE (FIN TUBE OR RADIANT SLAB) SHALL CYCLE TO MAINTAIN THE ZONE SET POINT. THE VALVE SHALL OPEN AT SET POINT AND CLOSE 1° F (ADJUSTABLE) ABOVE SET

IF THE ZONE HEATING VALVE IS OPEN FOR 20 MINUTES (ADJUSTABLE) OR MORE AND THE ZONE IS STILL BELOW SET POINT, OR THE ZONE IS NOT EQUIPPED WITH A ZONE HEATING VALVE THEN THE VAV BOX WIL SIGNAL A NEED FOR HEAT TO THE AHU. AS THE ZONE TEMPERATURE FALLS BELOW THE ZONE HEATING SETPOINT (68° F ADJUSTABLE) THE SUPPLY AIRFLOW SETPOINT SHALL MODULATE BETWEEN THE SCHEDULED MINIUM AND MAXIMUM AIRFLOW SET POINTS. THE SUPPLY AIRFLOW SETPOINT SHALL DECREASE AS THE ZONE TEMPERATURE APPROACHES THE HEATING SETPOINT. WHEN THE ROOM TEMPERATURE RISES 1° F (ADJUSTABLE) ABOVE THE HEATING SET POINT THEN THE VAV BOX SUPPLY AIRFLOW SET POINT SHALL BE ZERO CFM AND THE VAV BOX DAMPER SHALL CLOSE.

DEHUMIDIFICATION MODE:

WHENEVER THE ASSOCIATED AHU ENTERS THE DEHUMIDIFICATION MODE, THE VAV BOXES THAT ARE CONNECTED TO THE AHU SHALL OPEN. IF THE ZONE IS IN DEADBAND BETWEEN HEATING AND COOLING THEN THE VAV SHALL MAINTAIN THE MINIMUM SCHEDULED AIR FLOW. OTHERWISE THE VAV SHALL OPERATE AS DESCRIBED ABOVE TO SATISFY THE ZONE LOADS. WHEN DEHUMIDIFICATION MODE ENDS THE VAV SHALL RETURN TO STANDARD OPERATION.

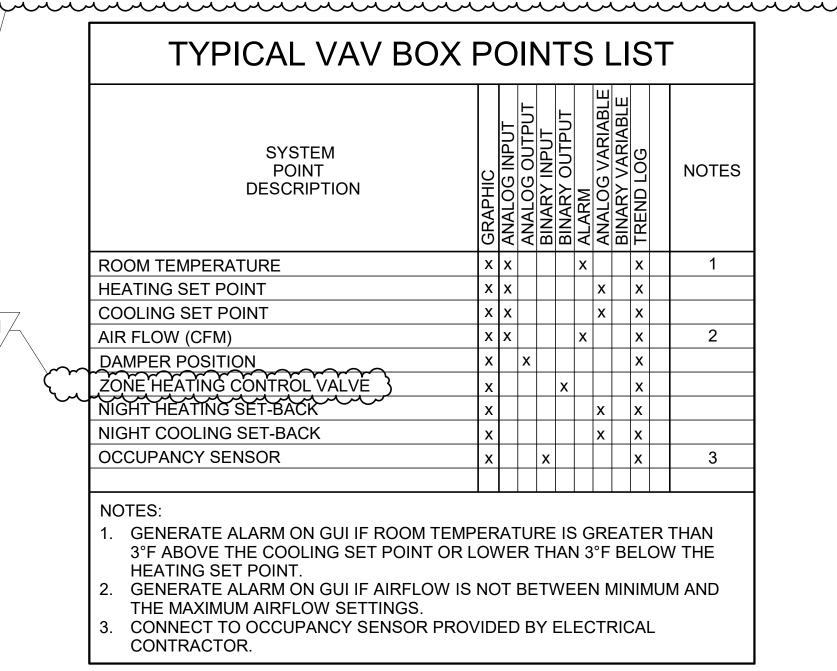
UNOCCUPIED MODE:

THE VAV BOX DAMPER SHALL REMAIN CLOSED.

NIGHT SETBACK MODE

<u>\1</u>/

THE ZONE HEATING VALVE SHALL CYCLE TO MAINTAIN NIGHT HEATING SETBACK, (65° F





REVISIONS

				WILLIAM TO THE STATE OF THE STA	DEPARTMENT OF INLAND
				ALL CONTRACTOR	FISHERIES & WILDLIFE
				MATTHEW S. *	TITLE NEW OFFICE HEADQUARTERS
		1		ALBERT No. 9235	LOCATION AUGUSTA, ME
				CENSEO CHILLIAN SONAL ENGINES	TITLE THIS DWG. MECHANICAL CONTROL DIAGRAMS 2
				DRAWN BY:	OAK POINT PAK DRAWING NO.
1	2/27/25	ADDENDUM NO. 3	MSA	CHECK BY: MSA	ASSOCIATES E E NIVI-7 UZ
NO	DATE	DESCRIPTION	BY	NO	SHEET NO.

DATE 01/29/2025

231 Main Street, Biddeford, Maine 04005

INLAND

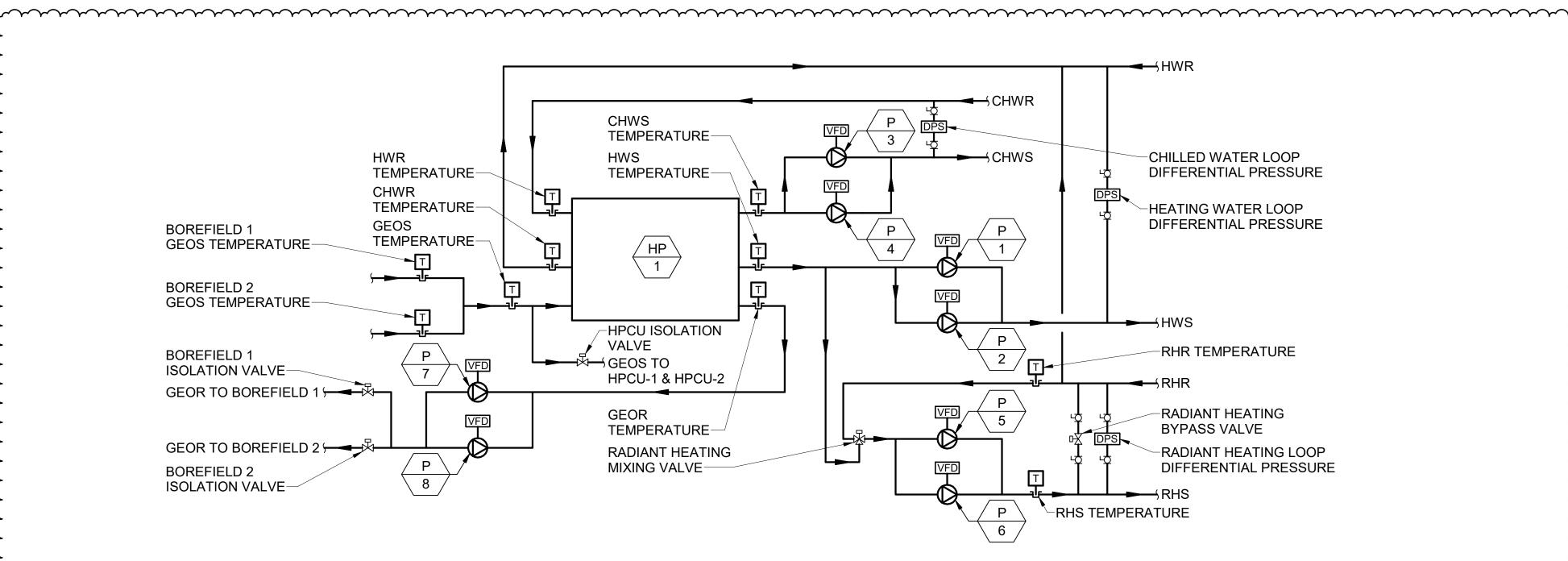
207.283.0193 208 of 239

GENERAL NOTES

1. REFER TO M-701 CONTROL SYSTEM GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

KEYNOTES

1 -



SEQUENCE OF OPERATION

THE GEOTHERMAL HEAT PUMP CENTRAL PLANT SHALL BE ENABLED WHENEVER THERE IS A CALL FOR HEATING OR COOLING FROM A ZONE. ONCE ENABLED THE CENTRAL PLANT SHALL REMAIN ENABLED FOR A MINIMUM OF 1 HOUR (ADJUSTABLE).

HEATING MODE:
HEATING MODE SHALL BE ENABLED WHENEVER THE OUTSIDE AIR TEMPERATURE IS
BELOW 60°F (ADJUSTABLE) OR THERE IS A CALL FOR DEHUMIDIFICATION FROM AN
AHU OR DOAS.

THE HEAT PUMP HEATING WATER SUPPLY SET POINT SHALL BE RESET ACCORDING TO THE FOLLOWING OPERATOR ADJUSTABLE SCHEDULE:

OUTSIDE AIR TEMPERATURE

60°F

40°F

120°F

140°F

THE RADIANT HEATING SYSTEM MIXING VALVE SHALL MODULATE TO MAINTAIN THE RADIANT HEATING SUPPLY WATER TEMPERATURE ACCORDING TO THE FOLLOWING USER ADJUSTABLE RESET SCHEDULE:

OUTSIDE AIR TEMPERATURE

60°F

20°F

120°F

DURING THE HEATING MODE THE HEATING WATER PUMPS (P1 AND P-2) AND THE RADIANT HEATING PUMPS (P-5 AND P-6) SHALL OPERATE UNDER LEAD / LAG CONTROL.

THE HEATING WATER LEAD PUMP SHALL RUN CONTINUOUSLY DURING HEATING MODE.

THE RADIANT HEATING LEAD PUMP SHALL OPERATE WHENEVER THERE IS A CALL FOR HEATING FROM A RADIANT HEATING ZONE DURING HEATING MODE, OTHERWISE THE RADIANT PUMPS SHALL REMAIN OFF.

COOLING MODE:
COOLING MODE SHALL BE ENABLED WHENEVER THERE IS A CALL FOR COOLING FROM
AN AHU OR DOAS. THE CHILLED WATER SUPPLY SET POINT SHALL BE 42°F
(ADJUSTABLE).

THE CHILLED WATER PUMPS (P-3 AND P-4) SHALL OPERATE UNDER LEAD/LAG CONTROL. THE LEAD CHILLED WATER PUMP SHALL RUN CONTINUOUSLY (MINIMUM RUN TIME = 5 MINUTES, ADJUSTABLE) WHENEVER THERE IS A CALL FOR COOLING FROM A COOLING COIL CONTROL VALVE. IF NO CHILLED WATER VALVES ARE OPEN THEN CHILLED WATER PUMPS SHALL REMAIN OFF.

DEHUMIDIFICATION MODE:

WHENEVER AN AHU OR DOAS IS IN DEHUMIDIFICATION MODE THE LEAD HEATING AND CHILLED WATER PUMPS SHALL RUN CONTINUOUSLY AS DESCRIBED ABOVE, THE HEATING WATER SUPPLY SET POINT SHALL BE 140°F (ADJUSTABLE), AND THE CHILLED WATER SUPPLY SET POINT SHALL BE 42°F (ADJUSTABLE).

GEOTHERMAL BORE FIELD CONTROL:

THE BORE FIELD CONTROL:
THE BORE FIELD SHALL BE SEPARATED INTO TWO SEPARATE GROUND LOOPS (BORE FIELD 1 & BORE FIELD 2) CONTROLLED BY AUTOMATIC ISOLATION VALVES. THE GEOTHERMAL BORE FIELD PUMPS (P-7 AND P-8) WILL OPERATE UNDER LEAG/LAG CONTROL. THE VFD SHALL CHANGE THE PUMP SPEED DEPENDING ON HOW MANY ISOLATION VALVES ARE OPEN. WHEN 1 ISOLATION VALVE IS OPEN THE PUMP SHALL RUN AT SPEED 1, AND WHEN 2 ISOLATION VALVES ARE OPEN THE PUMP SHALL RUN AT SPEED 2

PUMP SPEEDS 1 AND 2 SHALL BE DETERMINED BY COORDINATION WITH THE BALANCING CONTRACTOR. EACH BORE FIELD HAS A 197-GPM FLOW REQUIREMENT.

LEAD/LAG PUMP CONTROL:

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UNDER NORMAL OPERATION THE LEAD PUMP RUNS AND THE LAG PUMP IS OFF. IF THE LEAD PUMP VFD SIGNALS AN ALARM THEN THE LAG PUMP SHALL START AUTOMATICALLY, THE LEAD PUMP SHALL BE STOPPED AND AN ALARM SHALL BE ANNUNCIATED, OTHERWISE THE LAG PUMP SHALL REMAN OFF. THE LEAD PUMP SHALL BE ALTERNATED REGULARLY TO PROVIDE EQUAL WEAR. THE PUMP VFD SHALL MODULATE TO MAINTAIN A CONSTANT 30-PSI (ADJUSTABLE) DIFFERENTIAL PRESSURE BETWEEN THE SUPPLY AND RETURN PIPES, AS READ BY THE DIFFERENTIAL PRESSURE SENSOR. THE VFD SIGNAL SHALL NOT DROP BELOW 30%.

GEOTHERMAL HEATING/COOLING PLANT POINTS LIST

SYSTEM POINT DESCRIPTION	GRAPHIC	ANALOG INPUT	ANALOG OUTPU		BINARY OUTPUT	ALARM	U	BINARY VARIABL	TREND LOG		NOTES
HEATING MODE ENABLE	X	Ť			Х				X	\dashv	1
HEATING WATER SUPPLY SETPOINT	x						Х	\vdash	Х	\dashv	1
HEATING WATER SYSTEM DIFFERENTIAL PRESSURE	X	x					Х		х	\dashv	•
HWS TEMPERATURE	X	X							Х	\dashv	
HWR TEMPERATURE	X	x							х	\dashv	
P-1 VFD ENABLE	X	Ĥ			х			\vdash	х	\dashv	
P-1 VFD SIGNAL	$\frac{1}{x}$		Х						X	\dashv	
P-1 VFD ALARM	^ x		^	Х		Х		\vdash	X	\dashv	2
P-2 VFD ENABLE	^ x			^	Х	^			^ х	\dashv	
P-2 VFD SIGNAL	^ x		Х		^			$\vdash \vdash$	^ х	\dashv	
P-2 VFD ALARM	^ x		^	Х		Х		$\vdash \vdash$	^ x	\dashv	2
RHS TEMPERATURE	+	X		^		^	Х	$\vdash \vdash$	^ x	\dashv	
RHR TEMPERATURE	X	\ Х					^	\square		\dashv	
P-5 VFD ENABLE	X	^			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			\vdash	X	\dashv	
P-5 SIGNAL	X		\		Х			$\vdash \vdash$	X	\dashv	
	X	-	Х					\square	X	\dashv	
P-5 ALARM	X			Х		Х			X	\dashv	2
P-6 VFD ENABLE	X				Х			\square	Х	\dashv	
P-6 SIGNAL	X		Х						Х	\dashv	
P-6 ALARM	X			Х		Х		\vdash	Х	\dashv	2
RADIANT MIXING VALVE	X	+	Х					\vdash	Х	\dashv	
RADIANT BYPASS VALVE	X	+	Х						Х	\dashv	
RADIANT LOOP DIFFERENTIAL PRESSURE	X	X					Х	\vdash	Х	\dashv	
CHILLED WATER ENABLE	X				Х				Х	\dashv	
CHILLED WATER SUPPLY SETPOINT	X	+-					Х	\vdash	Х	\dashv	3
CHILLED WATER SUPPLY TEMPERATURE	X	Х				Х	Х		Х	\dashv	4
CHILLED WATER RETURN TEMPERATURE	X	Х							Х	\dashv	
P-3 VFD ENABLE	X				Х				Х		
P-3 VFD SIGNAL	X		Х						Х	\dashv	
P-3 VFD ALARM	X			Х				Х	Х	\dashv	2
P-4 VFD ENABLE	X				Х				Х	\dashv	
P-4 VFD SIGNAL	X		Х						Х	$ \bot $	
P-4 VFD ALARM	X	+-		Х				Х	Х	ightharpoonup	2
CHILLED WATER SYSTEM DIFFERENTIAL PRESSURE	X	Х							Х	\Box	
GEOS TEMPERATURE	X	Х							Х	\Box	
BOREFIELD 1 GEOS TEMPERATURE	Х	х							Х		
BOREFIELD 2 GEOS TEMPERATURE	X	х							Х		
BOREFIELD 1 ISOLATION VALVE	Х				Х				Х		
BOREFIELD 2 ISOLATION VALVE	x				Х				Х		
GEOR TEMPERATURE	x	x							х		
HPCU ISOLATION VALVE	Х				х			Ш	х		
P-7 VFD ENABLE	Х				х			Ш	х		
P-7 VFD SIGNAL	х		Х						х		
P-7 VFD ALARM	х			х				х	Х		2
P-8 VFD ENABLE	Х		L		х				х		
P-8 VFD SIGNAL	Х		х						х		
P-8 VFD ALARM	х			х				х	Х		2
	1	1	1	1				ıΤ	ιT	T	<u>.</u>

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GENERATE AN ALARM ON THE GUI IF THE VFD INDICATES AN ALARM CONDITION. GENERATE AN ALARM ON THE GUI IF THE PUMP FAILS TO SHOW PROOF OF FLOW.

3. GENERATE AN ALARM ON THE GUI IF THE PUMP FAILS TO SHOW PROOF OF FLOW.

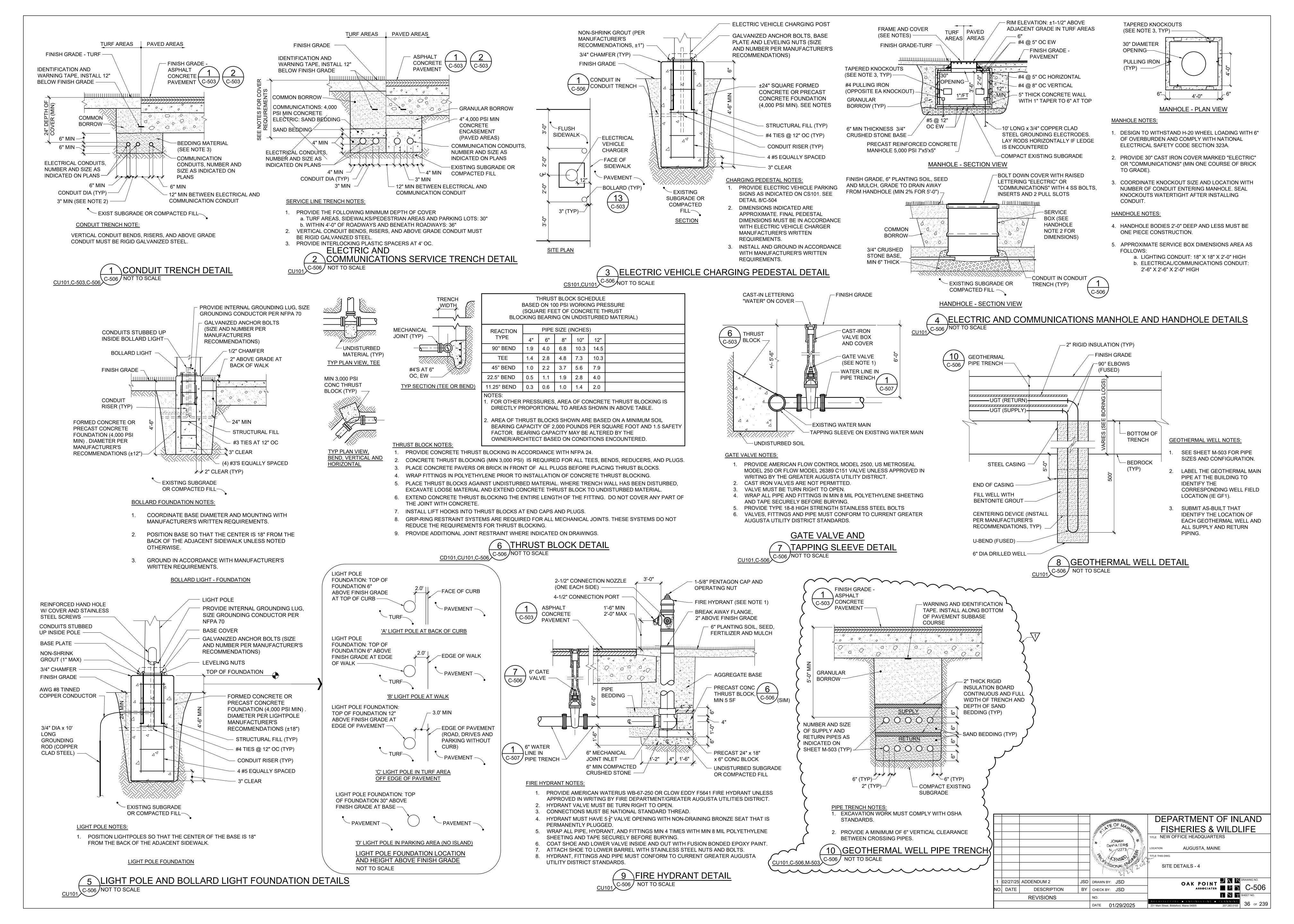
4. GENERATE AN ALARM ON THE GUI IF THE CHILLER INDICATES AN ALARM CONDITION.

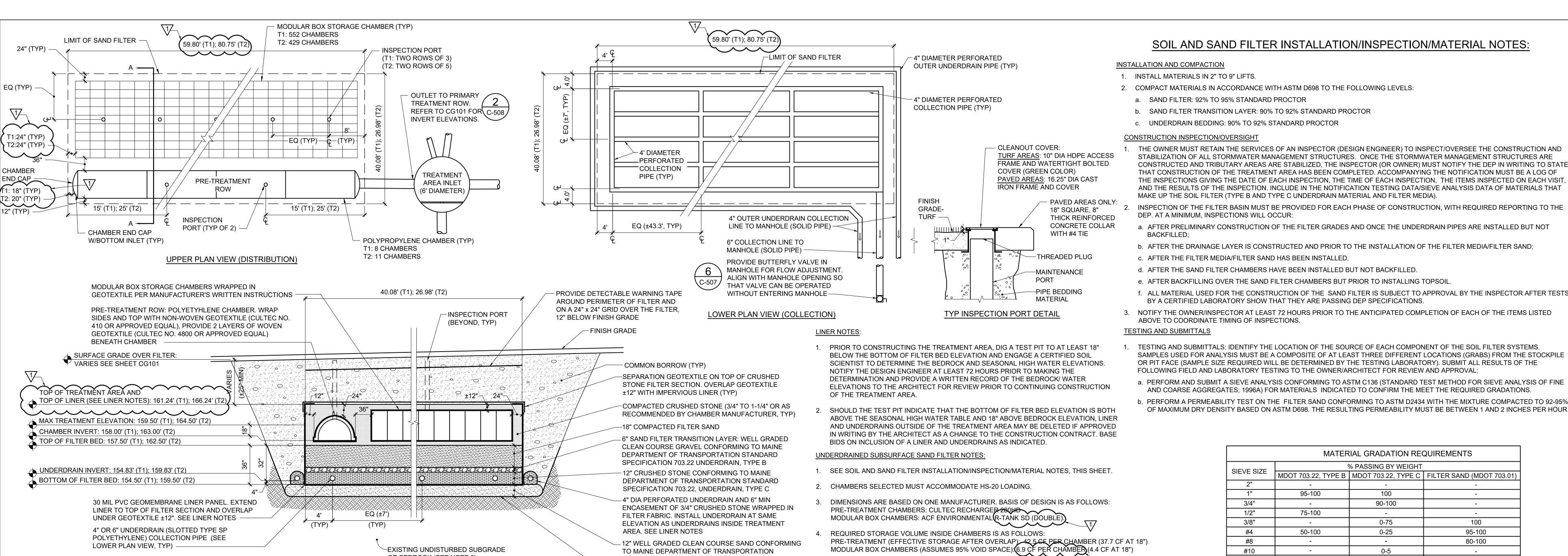
4. GENERATE AN ALARM ON THE GUI IF THE CHILLED WATER TEMPERATURE IS 5°F

(ADJUSTABLE) ABOVE THE CHILLED WATER SETPOINT 15 MINUTES (ADJUSTABLE) AFTER THE CHILLER IS ENABLED.

1 GEOTHERMAL HEATING/COOLING PLANT CONTROL DIAGRAM
M-704 SCALE: NTS

				ALLE OF A	DEPARTMENT OF INLAND FISHERIES & WILDLIFE
				MATTHEW S. ALBERT No. 9235	TITLE NEW OFFICE HEADQUARTERS LOCATION AUGUSTA, ME
				CONSECUTION OF THE PROPERTY OF	MECHANICAL CONTROL DIAGRAMS 4
				DRAWN BY:	OAK POINT DAM DRAWING NO. ASSOCIATES M M-704
1	2/27/25	ADDENDUM NO. 3	MSA	CHECK BY: MSA	
NO.	DATE	DESCRIPTION	BY	NO.	SHEET NO.
		REVISIONS		DATE 01/29/2025	ARCHITECTURE DENGINEERING DELANNING 210 OF 239 231 Main Street, Biddeford, Maine 04005 207.283.0193





OR BEDROCK (SEE NOTE 9) ~

SECTION A-A

C-507

REFER TO SHEET CG101 FOR INLET SIZE, NUMBER, LOCATION AND INVERT ELEVATIONS.

TREATMENT AREA INLET DETAIL

SD(12") TO TREATMENT AREA

MIN 5" THICK OVERFLOW WEIR

T1 TOP ELEV: 160.67'

T2 TOP ELEV: 165.67'

MANHOLE

4" ORIFICE IN WEIR

T1 INV: 159.50'

T2 INV: 164.50' -

INLET

9. WHERE LEDGE REMOVAL IS NECESSARY, REMOVE LOOSE ROCK TO EXPOSE SOUND, INTACT ROCK. UNDERDRAINED SUBSURFACE SAND FILTER DETAILS

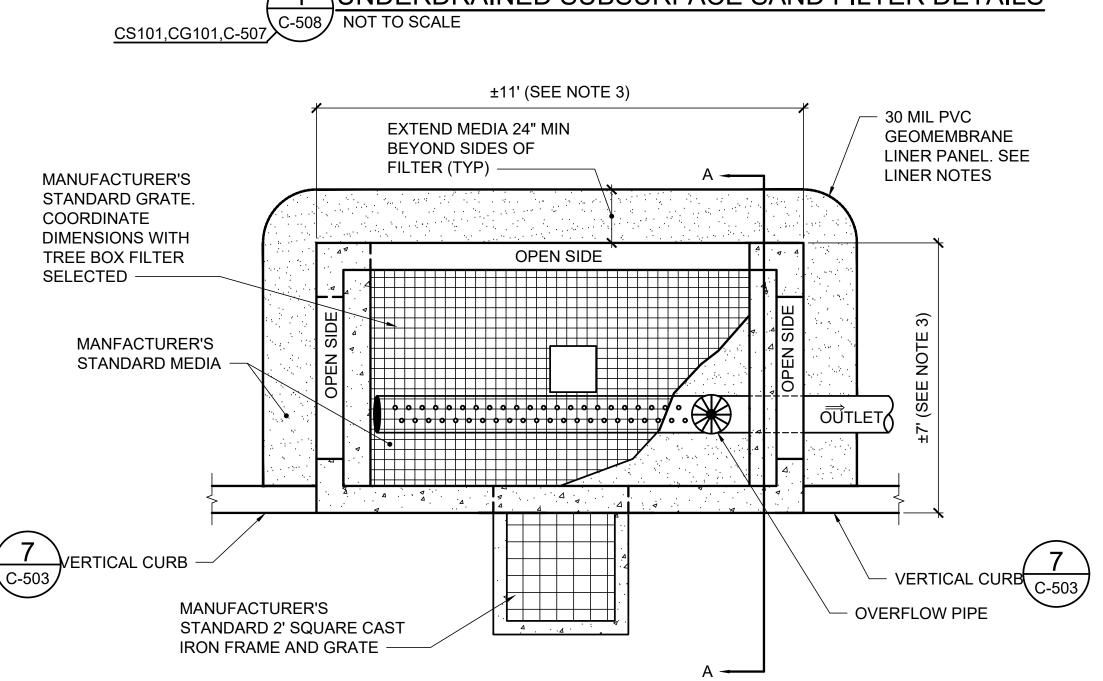
TO MAINE DEPARTMENT OF TRANSPORTATION

-BEDROCK AREAS ONLY: FILTER FABRIC BETWEEN

LEDGE AND BACKFILL MATERIALS

SEE LINER NOTES

STANDARD SPECIFICATION 703.22 UNDERDRAIN, TYPE B.



PLAN VIEW

1. PRIOR TO CONSTRUCTING THE TREATMENT AREA, DIG A TEST PIT TO AT LEAST 18" BELOW

THE BOTTOM OF FILTER BED ELEVATION AND ENGAGE A CERTIFIED SOIL SCIENTIST TO

DETERMINE THE BEDROCK AND SEASONAL HIGH WATER ELEVATIONS. NOTIFY THE DESIGN

WRITTEN RECORD OF THE BEDROCK/ WATER ELEVATIONS TO THE ARCHITECT FOR REVIEW

2. SHOULD THE TEST PIT INDICATE THAT THE BOTTOM OF FILTER BED ELEVATION IS BOTH ABOVE

CONTRACT. BASE BIDS ON INCLUSION OF A LINER AND UNDERDRAINS AS INDICATED.

THE SEASONAL HIGH WATER TABLE AND 18" ABOVE BEDROCK ELEVATION. THE LINER MAY BE

DELETED IF APPROVED IN WRITING BY THE ARCHITECT AS A CHANGE TO THE CONSTRUCTION

ENGINEER AT LEAST 72 HOURS PRIOR TO MAKING THE DETERMINATION AND PROVIDE A

PRIOR TO CONTINUING CONSTRUCTION OF THE TREATMENT AREA.

LINER NOTES

TREE BOX FILTER NOTES:

- 1. COORDINATE TREE/SHRUB SELECTION WITH MANUFACTURER'S RECOMMENDATIONS AND CITY OF AUGUSTA REQUIREMENTS.
- 2. BASIS OF DESIGN PRODUCT: STORMTREE ST 6X10 CB. ALTERNATE TREE BOX FILTERS SELECTED MUST BE APPROVED FOR USE BY THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THE ARCHITECT. PROVIDE WRITTEN DOCUMENTATION OF APPROVAL PRIOR TO INSTALLATION.
- 3. DIMENSIONS INDICATED ARE BASED ON ONE MANUFACTURER. COORDINATE FINAL
- DIMENSIONS WITH MANUFACTURER'S RECOMMENDATIONS FOR PRODUCT SELECTED.

INSTALL CHAMBERS AND CONNECT PIPING TO CHAMBERS IN ACCORDANCE WITH

6. INSTALL INSPECTION AND CLEANOUT PORTS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN

GEOTEXTILES USED AROUND CHAMBERS MUST CONFORM TO MANUFACTURER'S WRITTEN

MANUFACTURER'S WRITTEN INSTRUCTIONS.

8. SEE DRAWING CG101 FOR DRAINAGE STRUCTURE SCHEDULE.

INSTRUCTIONS.

RECOMMENDATIONS.

4. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN RECOMMENDATIONS. COORDINATE COMMISSIONING OF UNITS WITH MANUFACTURER AND ARCHITECT.

TREE BOX FILTER DETAILS

SOIL AND SAND FILTER INSTALLATION/INSPECTION/MATERIAL NOTES:

INSTALLATION AND COMPACTION

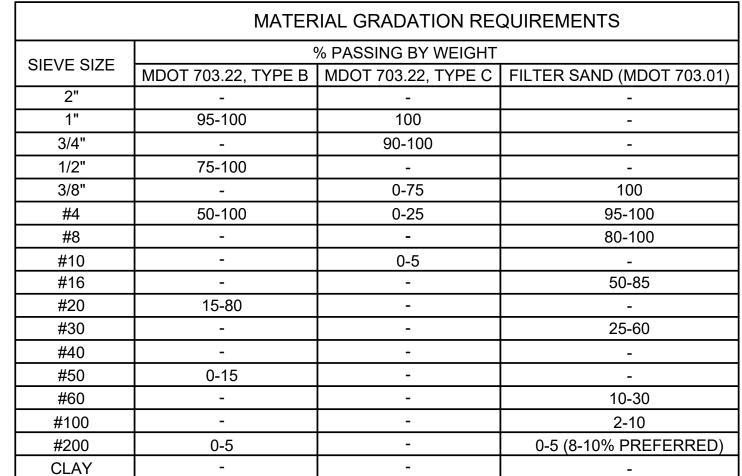
- 1. INSTALL MATERIALS IN 2" TO 9" LIFTS.
- 2. COMPACT MATERIALS IN ACCORDANCE WITH ASTM D698 TO THE FOLLOWING LEVELS
- a. SAND FILTER: 92% TO 95% STANDARD PROCTOR
- b. SAND FILTER TRANSITION LAYER: 90% TO 92% STANDARD PROCTOR
- c. UNDERDRAIN BEDDING: 90% TO 92% STANDARD PROCTOR

CONSTRUCTION INSPECTION/OVERSIGHT

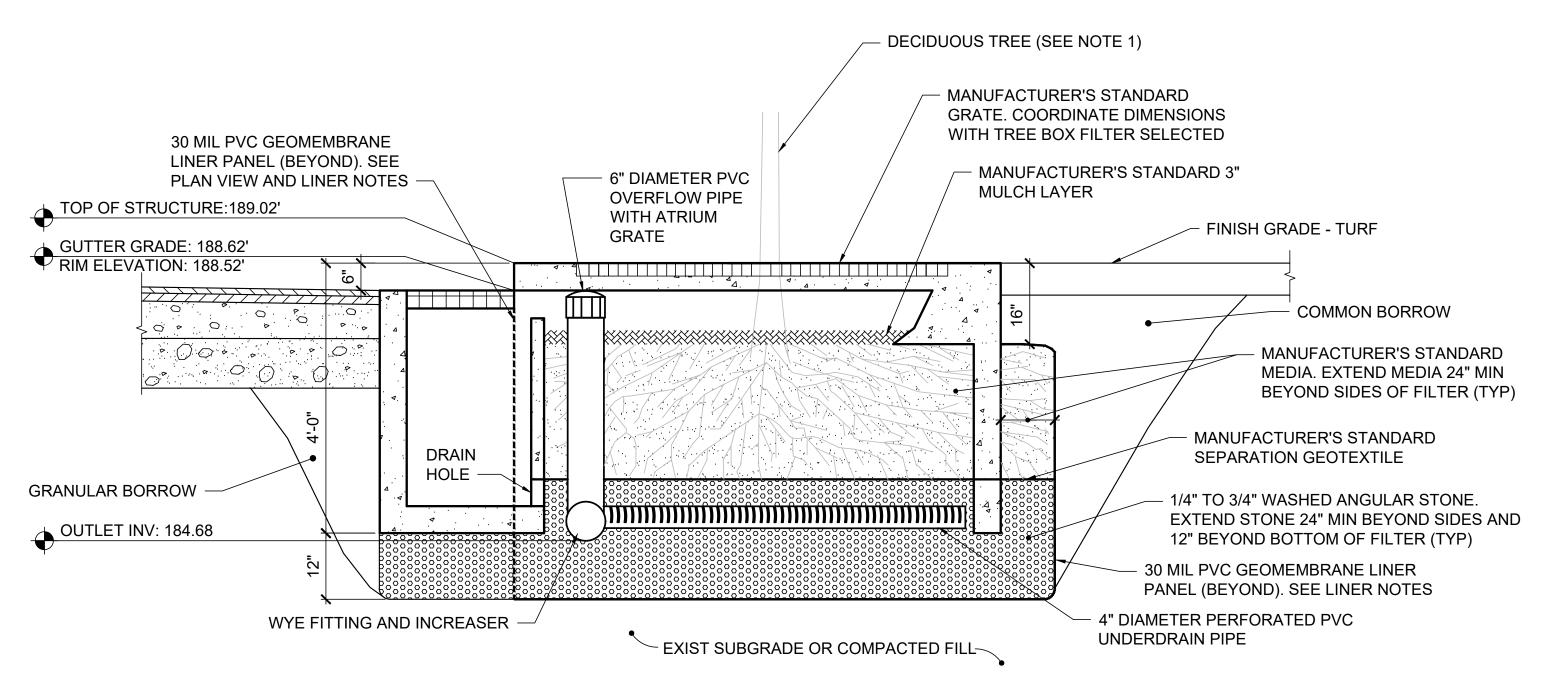
- 1. THE OWNER MUST RETAIN THE SERVICES OF AN INSPECTOR (DESIGN ENGINEER) TO INSPECT/OVERSEE THE CONSTRUCTION AND STABILIZATION OF ALL STORMWATER MANAGEMENT STRUCTURES. ONCE THE STORMWATER MANAGEMENT STRUCTURES ARE CONSTRUCTED AND TRIBUTARY AREAS ARE STABILIZED, THE INSPECTOR (OR OWNER) MUST NOTIFY THE DEP IN WRITING TO STATE THAT CONSTRUCTION OF THE TREATMENT AREA HAS BEEN COMPLETED. ACCOMPANYING THE NOTIFICATION MUST BE A LOG OF THE INSPECTIONS GIVING THE DATE OF EACH INSPECTION, THE TIME OF EACH INSPECTION, THE ITEMS INSPECTED ON EACH VISIT AND THE RESULTS OF THE INSPECTION. INCLUDE IN THE NOTIFICATION TESTING DATA/SIEVE ANALYSIS DATA OF MATERIALS THAT MAKE UP THE SOIL FILTER (TYPE B AND TYPE C UNDERDRAIN MATERIAL AND FILTER MEDIA)
 - INSPECTION OF THE FILTER BASIN MUST BE PROVIDED FOR EACH PHASE OF CONSTRUCTION, WITH REQUIRED REPORTING TO THE DEP. AT A MINIMUM, INSPECTIONS WILL OCCUR:
 - a. AFTER PRELIMINARY CONSTRUCTION OF THE FILTER GRADES AND ONCE THE UNDERDRAIN PIPES ARE INSTALLED BUT NOT BACKFILLED;
 - b. AFTER THE DRAINAGE LAYER IS CONSTRUCTED AND PRIOR TO THE INSTALLATION OF THE FILTER MEDIA/FILTER SAND;
 - c. AFTER THE FILTER MEDIA/FILTER SAND HAS BEEN INSTALLED.
 - d. AFTER THE SAND FILTER CHAMBERS HAVE BEEN INSTALLED BUT NOT BACKFILLED.
 - e. AFTER BACKFILLING OVER THE SAND FILTER CHAMBERS BUT PRIOR TO INSTALLING TOPSOIL.
 - f. ALL MATERIAL USED FOR THE CONSTRUCTION OF THE SAND FILTER IS SUBJECT TO APPROVAL BY THE INSPECTOR AFTER TESTS BY A CERTIFIED LABORATORY SHOW THAT THEY ARE PASSING DEP SPECIFICATIONS.
- 3. NOTIFY THE OWNER/INSPECTOR AT LEAST 72 HOURS PRIOR TO THE ANTICIPATED COMPLETION OF EACH OF THE ITEMS LISTED ABOVE TO COORDINATE TIMING OF INSPECTIONS.

TESTING AND SUBMITTALS

- TESTING AND SUBMITTALS: IDENTIFY THE LOCATION OF THE SOURCE OF EACH COMPONENT OF THE SOIL FILTER SYSTEMS SAMPLES USED FOR ANALYSIS MUST BE A COMPOSITE OF AT LEAST THREE DIFFERENT LOCATIONS (GRABS) FROM THE STOCKPILE OR PIT FACE (SAMPLE SIZE REQUIRED WILL BE DETERMINED BY THE TESTING LABORATORY). SUBMIT ALL RESULTS OF THE FOLLOWING FIELD AND LABORATORY TESTING TO THE OWNER/ARCHITECT FOR REVIEW AND APPROVAL:
- a. PERFORM AND SUBMIT A SIEVE ANALYSIS CONFORMING TO ASTM C136 (STANDARD TEST METHOD FOR SIEVE ANALYSIS OF FINE AND COARSE AGGREGATES; 1996A) FOR MATERIALS INDICATED TO CONFIRM THE MEET THE REQUIRED GRADATIONS.
- b. PERFORM A PERMEABILITY TEST ON THE FILTER SAND CONFORMING TO ASTM D2434 WITH THE MIXTURE COMPACTED TO 92-95%



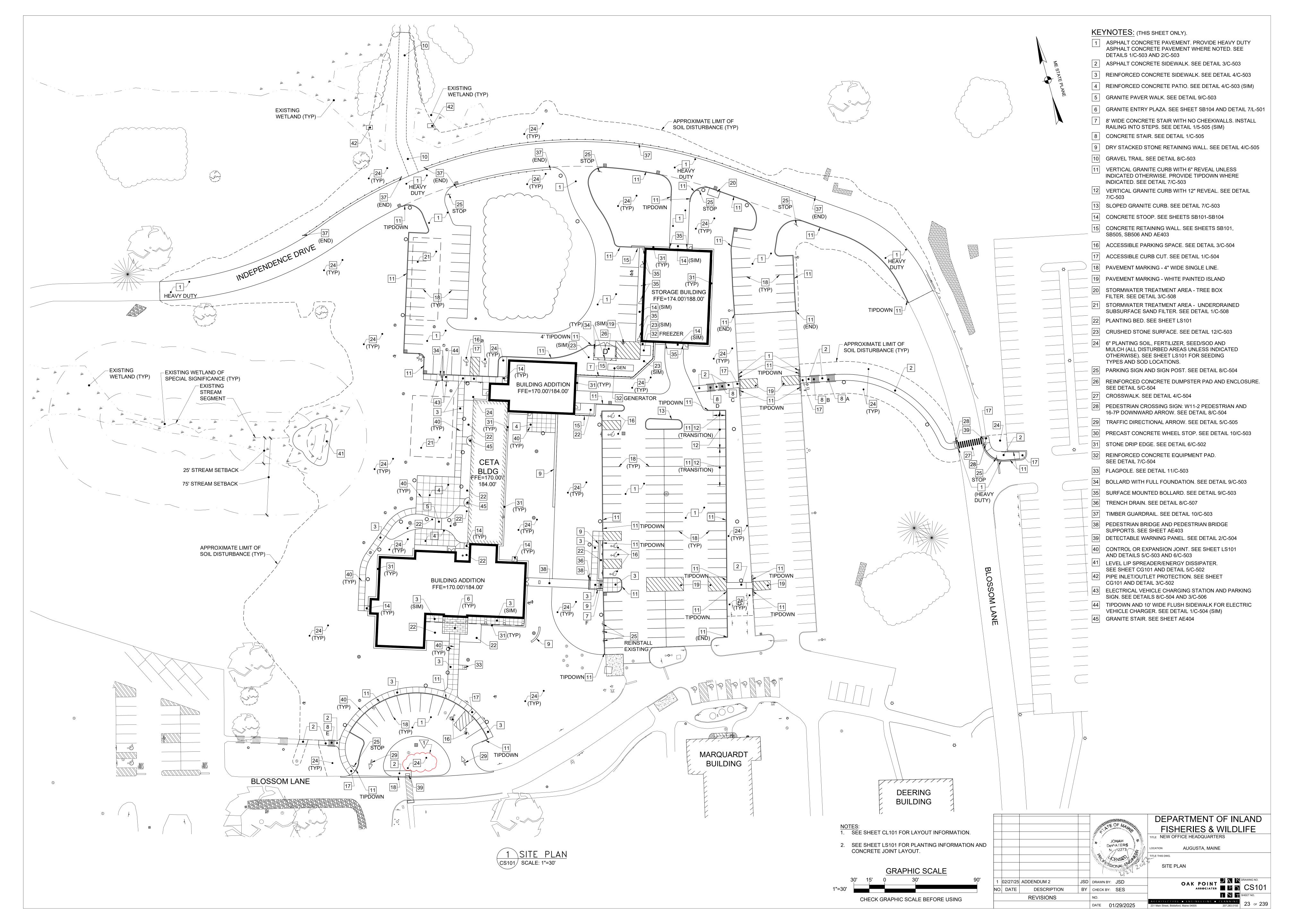
**PERMEABILITY OF FILTER SAND BE BETWEEN 1 AND 2 INCHES PER HOUR.

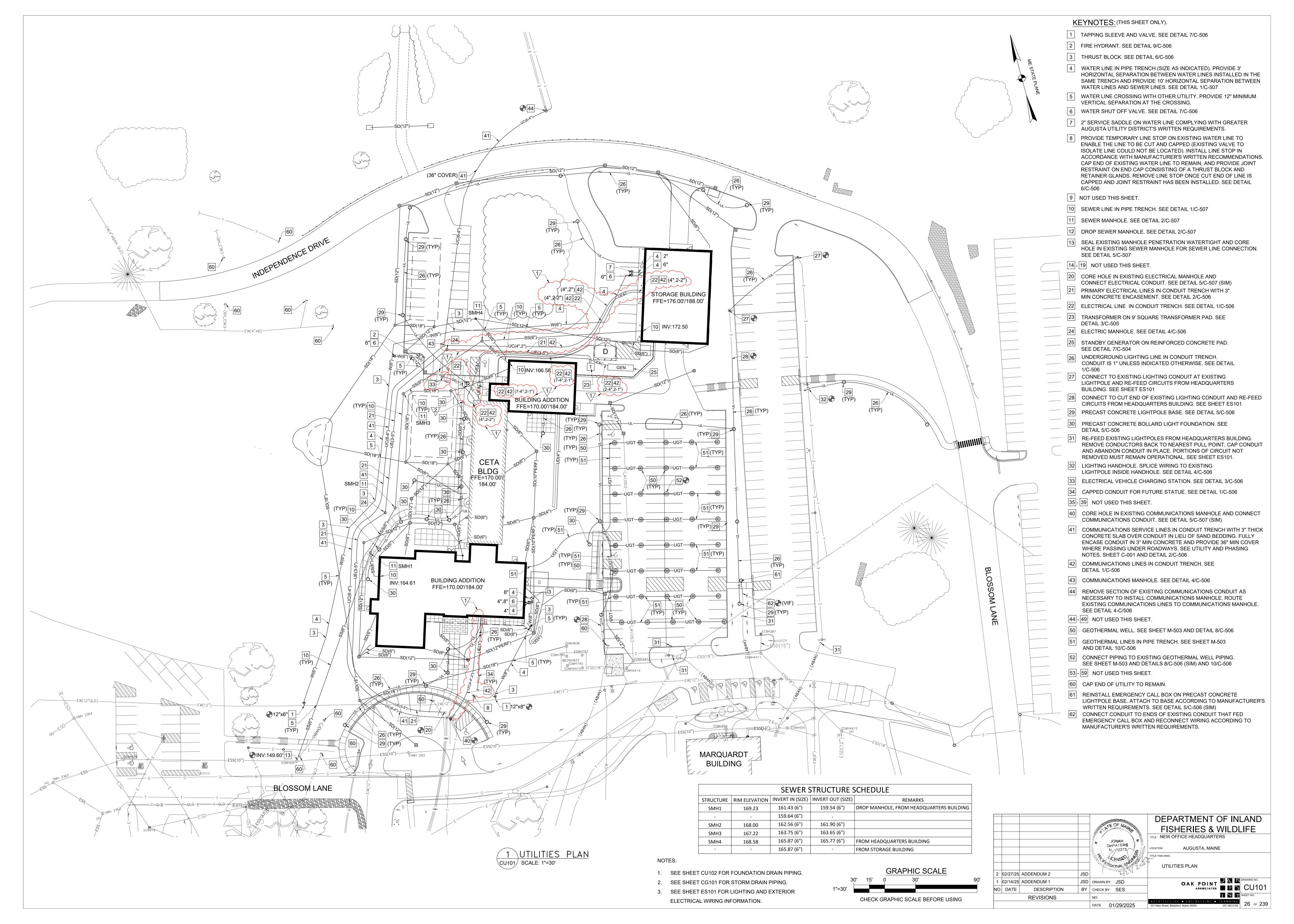


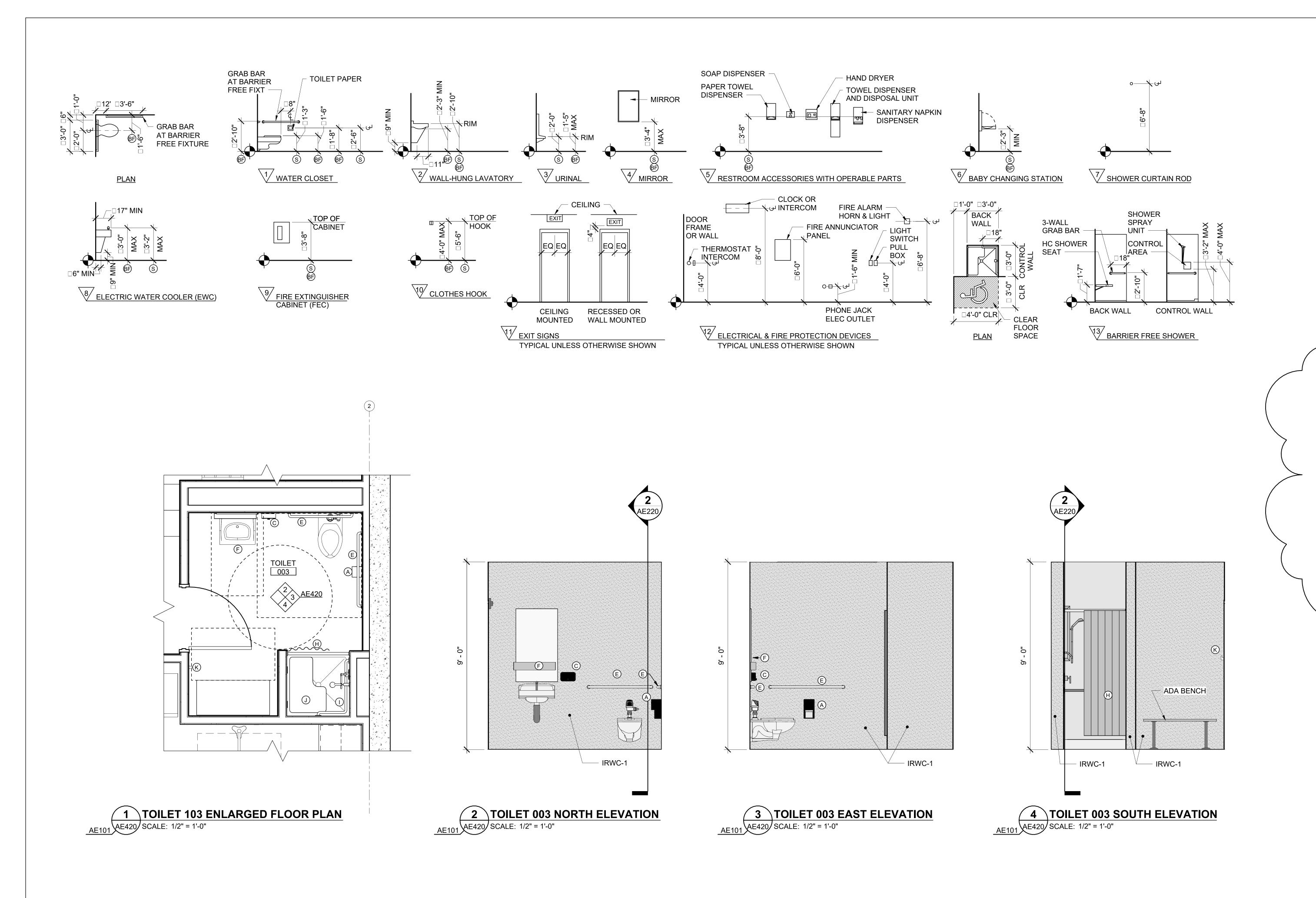
SECTION A-A

DEPARTMENT OF INLAND FISHERIES & WILDLIFE LE NEW OFFICE HEADQUARTERS JONAH DeWATERS AUGUSTA, MAINE Ny 122737 CENSON A TITLE THIS DWG. 17 SUSTONAL Y SITE DETAILS - 6 OAK POINT DRAWING NO. 02/27/25 ADDENDUM 2 JSD DRAWN BY: JSD .l DATE DESCRIPTION BY CHECK BY: JSD REVISIONS

DATE 01/29/2025









NOTES:

1. COORDINATE BLOCKING LOCATIONS W/ ACCESSORY ITEMS!

2. SEE AE420 FOR MOUNTING HEIGHTS AND ACCESSORY SCHEDULE.

3. SEE SHEET AE601 FOR DOOR SCHEDULE AND TYPES.

AUTOMATIC SOAP DISPENSER (WALL...

NOT USED

1 1/2" DIAMETER GRAB BAR

MIRROR 24X42

SHOWER CURTAIN WITH ROD

HC SHOWER GRAB BAR

HC SHOWER SEAT

CLOTHES HOOK

4. SEE SHEET AE740 FOR ROOM FINISH SCHEDULE.

<u>LEGEND</u> **ABBREVIATIONS** S STANDARD MOUNTING HEIGHT PT DISP PAPER TOWEL DISPENSER B BARRIER FREE ADULT MOUNTING HEIGHT WATER CLOSET FINISH FLOOR LINE BF OR 🖔 BARRIER FREE VERIFY IN FIELD BASIS OF DESIGN BENCH IMPACT RESISTANT WALL COVERIN RESTROOM ACCESSORY SCHEDULE COMMENTS TOILET TISSUE DISPENSER BOBRICK, B4288 RECESSED CONVERTIBLE AUTO ROLL TOWEL DISPENSER / WASTE RECEPTACLE BOBRICK, B3974

BOBRICK, B-2012

ANGLE FRAME

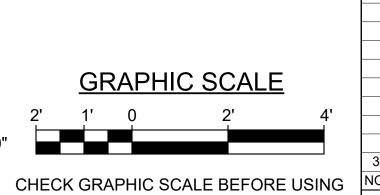
BOBRICK B-6107 AND 204-2

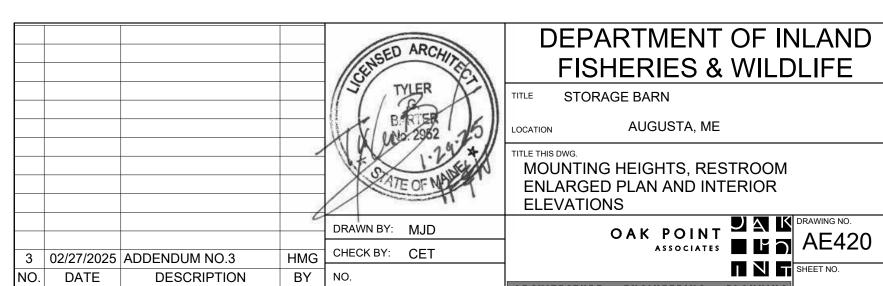
BOBRICK B-290 GLASS MIRROR WITH SS

INCLUDED IN SHOWER SPECIFICATION

INCLUDED IN SHOWER SPECIFICATION

BOBRICK B-76727 SURFACE-MOUNTED DOUBLE ROBE HOOK



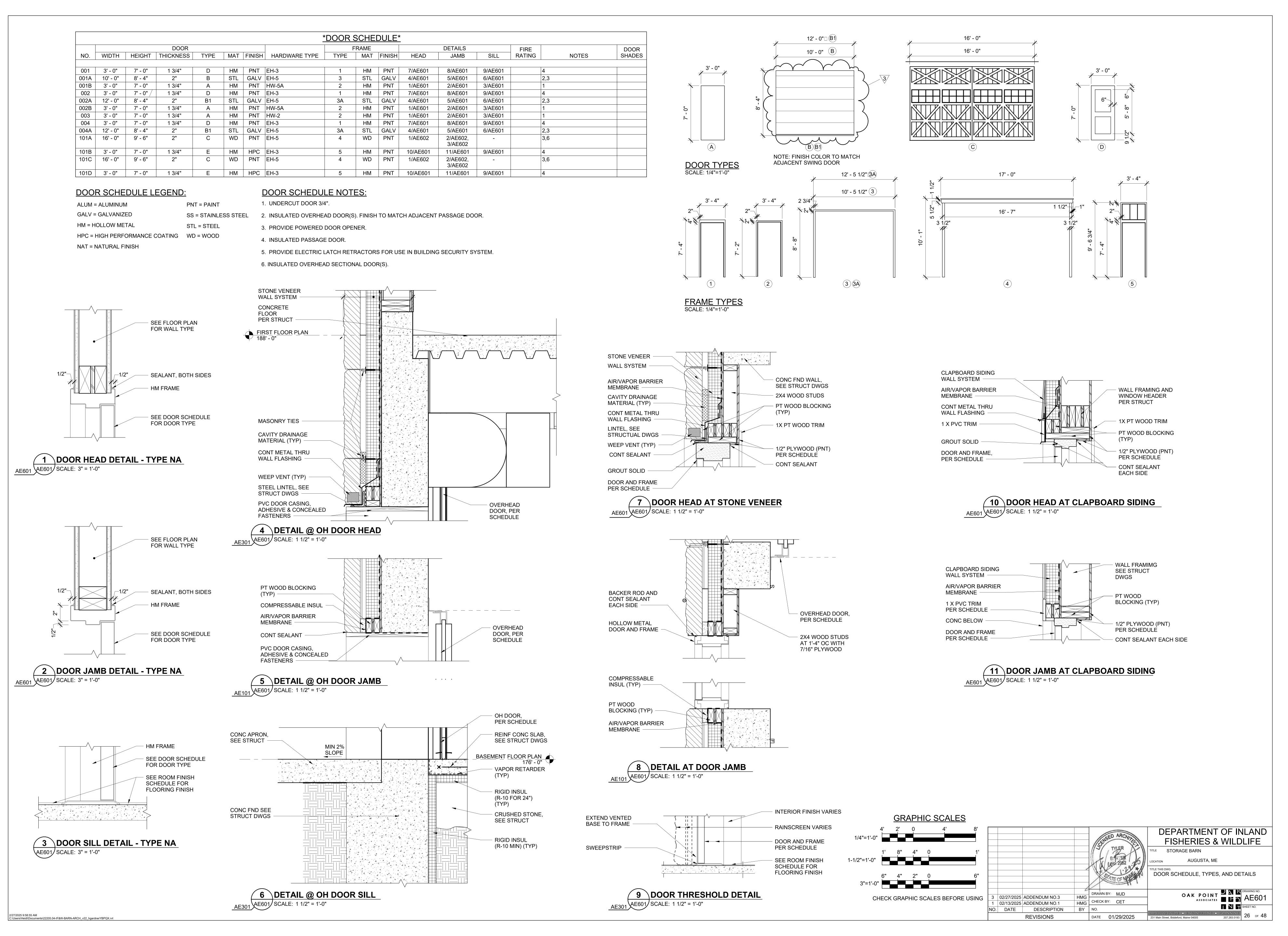


DATE 01/29/2025

231 Main Street, Biddeford, Maine 04005

REVISIONS

SHEET NO.



MECHANICAL ABBREVIATIONS

2/28/2025 1:44:11 PM C:\Users\Cole\Documents\22205.04-IF&W-BARN-MECH_v22_cmooreL8TXR.rvt

<u> </u>			
	AMPERE, AIR	HUMID	HUMIDIFIER
AC AD	AIR CONDITIONING, AIR CONDITIONER ACCESS DOOR	HV HVAC	HEATING AND VENTILATING UNIT HEATING, VENTILATION, AND AIR
ADA	AMERICANS WITH DISABILITIES ACT	пуас	CONDITIONING (UNIT)
AFF	ABOVE FINISHED FLOOR	HW	HOT WATER
AHU ANAD	AIR HANDLING UNIT	HWR	HOT WATER SUBPLY
AMB AMS	AMBIENT AIRFLOW MEASURING STATION	HWS HX	HOT WATER SUPPLY HEAT EXCHANGER
	AIR PRESSURE DROP	HZ	HERTZ
APPROX	APPROXIMATELY	ID	INSIDE DIAMETER
AS ASME	AIR SEPARATOR AMERICAN SOCIETY OF MECHANICAL	IN IW	INCH, INCHES INDIRECT WASTE
AOIVIE	ENGINEERS	KW	KILOWATT
ASTM	AMERICAN SOCIETY FOR TESTING AND	L	LOUVER, LENGTH
A 0.01) (MATERIALS ASSEMBLY	LAT	LEAVING AIR TEMPERATURE
ASS'Y ATT	ASSEMBLY ACOUSTIC ATTENUATOR	LBG LBS	LINEAR BAR GRILLE POUNDS
BDD	BACKDRAFT DAMPER	LDB	LEAVING DRY BULB
ВНР	BRAKE HORSEPOWER	LF	LINEAR FEET
BLDG BTU	BUILDING BRITISH THERMAL UNIT	LOC LRA	LOCATION, LOCATED LOCKED ROTOR AMPS
BTUH	BTU PER HOUR	LW	LOW TEMPERATURE
CAP	CAPACITY	LWB	LEAVING WET BULB
CC	COOLING COIL	LWT	LEAVING WATER TEMPERATURE
CD CENT	CONDENSATE DRAIN CENTRIFUGAL	M MAX	MOTOR MAXIMUM
	CUBIC FEET PER MINUTE	MAX PD	MINIMUM PRESSURE DROP
CH	CHILLER	MBH	1000 BTU PER HOUR
CHW CHWR	CHILLED WATER CHILLED WATER RETURN	MBU MCA	1000 BTU MINIMUM CIRCUIT AMPERES
CHWS	CHILLED WATER RETORN CHILLED WATER SUPPLY	MECH	MECHANICAL
<u> </u>	CENTERLINE	MERV	MINIMUM EFFICIENCY REPORTING VALUE
CLG	CEILING	MFR	MANUFACTURER
CO CO2	CLEANOUT, CARBON MONOXIDE CARBON DIOXIDE	MIN MTG	MINIMUM MOUNTING
CONN	CONNECTION	N/A	NOT APPLICABLE
CONC	CONCRETE	NAT'L	NATURAL
COND	CONDENSATE, CONDENSING, CONDITIONS	N/C	NOT IN CONTRACT
COP CS	COEFFICIENT OF PERFORMANCE CURRENT SENSOR	NC NFPA	NOISE CRITERIA, NORMALLY CLOSED NATIONAL FIRE PROTECTION ASSOCIATIO
CU	CONDENSING UNIT	NO	NUMBER, NORMALLY OPEN
CUH	CABINET UNIT HEATER	NPT	NATIONAL PIPE THREAD
CW CWS	COLD WATER COLD WATER SUPPLY	NTS OA	NOT TO SCALE OUTSIDE AIR
	DEPTH, DAMPER	OAT	OUTSIDE AIR OUTSIDE AIR TEMPERATURE
DB	DRY BULB	OBD	OPPOSED BLADE DAMPER
dB	DECIBELS	OC	ON CENTER
DDC DEG	DIRECT DIGITAL CONTROLS DEGREES	OD OED	OUTSIDE DIAMETER OPEN ENDED DUCT
ø, DIA	DIAMETER	OEP	OPEN ENDED PIPE
DIFF	DIFFERENTIAL	OS&Y	OUTSIDE STEM & YOKE
DISCH	DISCHARGE	P PC	PUMP, PITCH, PRESSURE
DISPL DL	DISPLACEMENT DRUM SLOT LOUVER	PD	PUMPED CONDENSATE PRESSURE DIFFERENCE
DN	DOWN	PH	PHASE
DOM	DOMESTIC	POS	POSITIVE
DP DPDT	DIFFERENTIAL PRESSURE DOUBLE POLE, DOUBLE THROW	PRESS PRV	PRESSURE PRESSURE REDUCING VALVE
DPS	DIFFERENTIAL PRESSURE SWITCH	PSI	POUNDS PER SQUARE INCH
DWG	DRAWING	PSIG	POUNDS PER SQUARE INCH GAUGE
DX -	DIRECT EXPANSION	PVS	POLY VINYL CHLORIDE
E EA	EXISTING, EXHAUST EXHAUST AIR, EACH	QTY R	QUANTITY RADIUS, RETURN
EAT	ENTERING AIR TEMPERATURE	RA	RETURN AIR
EDB	ENTERING DRY BULB TEMPERATURE	RAT	RETURN AIR TEMPERATURE
EER EF	ENERGY EFFICIENCY RATIO EXHAUST FAN	RF REFRIG	RETURN FAN REFRIGERANT
=' EFF	EFFICIENCY	REQ'D	REQUIRED
ELEC	ELECTRIC/ELECTRICAL	RH	RELATIVE HUMIDITY, RANGE HOOD
ELEV	ELEVATION, ELEVATOR	RL	REFRIGERANT LIQUID
EQUIP ERV	EQUIPMENT ENERGY RECOVERY VENTILATOR	RLA RM	RUNNING LOAD AMPERES ROOM
ESP	EXTERNAL STATIC PRESSURE	RPM	REVOLUTIONS PER MINUTE
EUH	ELECTRIC UNIT HEATER	RPZ	REDUCED PRESSURE ZONE
EWB EWT	ENTERING WET BULB TEMPERATURE ENTERING WATER TEMPERATURE	RS S	REFRIGERANT SUCTION SUPPLY
EXIST	EXISTING	SA	SUPPLY AIR, SOUND ATTENUATOR
EXP	EXPANSION	SAT	SUPPLY AIR TEMPERATURE, SUSPENDED
EXT °F	EXPANSION TANK DEGREES FAHRENHEIT	SC	ACOUSTICAL TILE SENSIBLE COOLING
FACP	FIRE ALARM CONTROL PANEL	SD	SMOKE DAMPER
FBO	FURNISHED BY OWNER	SEER	SEASONAL ENERGY EFFICIENCY RATIO
FC FCO	FLEX CONNECTOR, FAN COIL FLOOR CLEANOUT	SF SIM	SQUARE FOOT/FEET, SUPPLY FAN SIMILAR
FD	FLOOR CLEANOUT FLOOR DRAIN, FIRE DAMPER	SMACNA	SHEET METAL AND AIR CONDITIONING
FE	FIRE EXTINGUISHER		CONTRACTOR'S NATIONAL ASSOCIATION
FF =LA	FINISHED FLOOR	SP	STATIC PRESSURE
FLA FLR	FULL LOAD AMPS FLOOR	SQ SS	SQUARE STAINLESS STEEL
FPM	FEET PER MINUTE	T	THERMOSTAT, TRANSFER
FR	FINTUBE RADIATION	TA	TRANSFER AIR
FS FSD	FLOW SWITCH	TC TCP	TOTAL COOLING
FT	FIRE AND SMOKE DAMPER FOOT, FEET	TEMP	TEMPERATURE CONTROL PANEL TEMPERATURE
G	GAS	TF	TRANSFER FAN
GA CAL	GALLONS	TS	TEMPERATURE SENSOR
GAL GALV	GALLONS GALVANIZED	TSP TYP	TOTAL STATIC PRESSURE TYPICAL
GPH	GALLONS PER HOUR	UH	UNIT HEATER
GPM	GALLONS PER MINUTE	UL	UNDERWRITERS LABORATORY
GRV GWB, GYP	GRAVITY RELIEF VENTILATOR GYPSUM WALLBOARD	V VAV	VENT, VALVE, VOLT(S) VARIABLE AIR VOLUME
GVVB, GYP H	HUMIDIFIER, HUMIDISTAT, HEIGHT	VAV VEL	VELOCITY
H2O	WATER	VFD	VARIABLE FREQUENCY DRIVE
HC	HEATING COIL	VUH	VERTICAL UNIT HEATER
HTG HGT	HEATING HEIGHT	W W/	WIDTH WITH
HOA	HAND-OFF-AUTOMATIC	WB	WET BULB
HORIZ	HORIZONTAL	WC	WATER COLUMN
HP HR	HORSEPOWER HOUR	WG WH	WATER GAUGE WATER HEATER
HT	HEIGHT	WPD	WATER HEATER WATER PRESSURE DROP

MECHANICAL SYMBOLS LEGEND

<u>/IECHANI</u>	ICAL SYMBOLS LEGEND				
	ANNOTATIONS		PIPING AND VALVES		CONTROLS AND METERING
ERV	-SYMBOL PER ABBREVIATION LIST	G	PIPE ELBOW DOWN		OS&Y VALVE IN VERTICAL
2	EQUIPMENT SEQUENCE NUMBER	o	PIPE ELBOW UP, PIPE UP AND DOWN	07	BALL VALVE IN VERTICAL
S-1	AIR INLET OR OUTLET WITH CFM		PIPE TEE DOWN	TS	TEMPERATURE SENSOR
100	FINTUBE DESIGNATION		PIPE TEE UP, PIPE UP AND DOWN	LT-	LOW TEMPERATURE FREEZESTAT
RH-1 2.2	-MBH	<u> </u>	PIPE CAP	OC	OCCUPANCY SENSOR
1.2	GPM SETTING FOR BALANCING VALVE		DIRECTION OF FLOW	PS	PRESSURE SWITCH
1	KEYNOTE		STRAINER	FS	FLOW SWITCH
$\overline{\langle 1 \rangle}$	REMOVALS KEYNOTE		BALL VALVE	CO	CARBON MONOXIDE SENSOR
•	CONNECT TO EXISTING	——————————————————————————————————————	BUTTERFLY VALVE	CS -() _{CS}	CURRENT SENSOR
√	INLET DIRECTION OF AIRFLOW		UNION	DP DP	
→	OUTLET DIRECTION OF AIRFLOW	── ⋈	GATE VALVE		DIFFERENTIAL PRESSURE SWITCH
		<u> </u>	PRESSURE GAUGE	VFD	VARIABLE FREQUENCY DRIVE
	DUCTWORK		CHECK VALVE	AMS TITTE	AIRFLOW MEASURING STATION
	RETURN GRILLE/REGISTER		CHECK VALVE, SPRING TYPE	CO2	CARBON DIOXIDE SENSOR
\boxtimes	SUPPLY DIFFUSER/GRILLE/REGISTER	——————————————————————————————————————		\$	MANUAL SWITCH
	EXHAUST GRILLE/REGISTER	- 7	CALIBRATED BALANCING VALVE	R	RELAY
Н	TRANSFER GRILLE		WITH POSITIVE SHUTOFF	S S	DUCT MOUNTED SMOKE DETECTOR
	SIDEWALL REGISTER/GRILLE	<u> </u> ↓	AUTOMATIC FLOW CONTROL VALVE		START/STOP CONTROLLER
	LINEAR SLOT DIFFUSER/RETURN	<u>P</u> ——	PIPE PITCH DOWN	SP L H	AIR PRESSURE SENSOR
[AD	ACCESS DOOR		PRESSURE RELIEF VALVE		WALL MOUNTED TEMPEDATUDE
<u> </u>	DUCT	——————————————————————————————————————	2-WAY AUTOMATIC CONTROL VALVE		WALL MOUNTED TEMPERATURE SENSOR
	DOCI	—— <u>———</u>	3-WAY AUTOMATIC CONTROL VALVE	T	AVERAGING DUCT MOUNTED TEMPERATURE SENSOR
	DUCT WITH FLEXIBLE CONNECTION		PRESSURE REDUCING VALVE	_	PROBE TYPE DUCT MOUNTED
	RETURN DUCT UP		PIPE ANCHOR ALIGNMENT GUIDE	T	TEMPERATURE SENSOR
<u> </u>	RETURN DUCT DOWN		PIPE REDUCER/INCREASER	 	FLUID TEMPERATURE SENSOR WITH WELL
	SUPPLY DUCT UP		OS&Y VALVE	(T)	WALL MOUNTED THERMOSTAT
			THERMOMETER		PUMP SUCTION DIFFUSER
	SUPPLY DUCT DOWN				FUMF SUCTION DIFFUSER
	EXHAUST DUCT UP		AIR VENT, AUTOMATIC AIR VENT, MANUAL	RS O O	RELATIVE HUMIDITY SENSOR
	EXHAUST DUCT DOWN		CONCENTRIC REDUCER	0	
(CC)	RECTANGULAR ELBOW WITH		ECCENTRIC REDUCER		EQUIPMENT
	TURNING VANES	<u></u> 早	VACUUM BREAKER	GHIIII⊢Ð	FINTUBE RADIATION AND ENCLOSURE
 	FLEXIBLE DUCT	XXX	FLEXIBLE CONNECTOR	-П-	UNIT HEATER
	LINED DUCTWORK	—— Ю ——	IN-LINE PUMP	4)	
	MANUAL DAMPER		AQUASTAT		TERMINAL UNIT, VARIABLE VOLUME
—-— FD	FIRE DAMPER		AIR SEPARATOR		ROOF VENTILATOR, EXHAUST/RELIEF
⊣ SD	SMOKE DAMPER			<u>a</u> — {⊘	PUMP
<u> </u>	MOTORIZED DAMPER, PARALLEL BLADE				
M\/\	MOTORIZED DAMPER, OPPOSED BLADE				MOTOR
H	HEATING COIL			□{- -	PROPELLER FAN
∕ c				⊙ →	CENTRIFUGAL FAN
	CHILLED WATER COOLING COIL				CONDENSER
	DIRECT EXPANSION COOLING COIL				

GENERAL MECHANICAL SYSTEM NOTES

- MECHANICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE (-MC), CURRENT EDITION, AND THE INTERNATIONAL ENERGY AND CONSERVATION CODE (IECC), CURRENT EDITION.
- 2. PIPING AND DUCTWORK ARE SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD.
 - PIPING AND DUCTWORK SHALL BE INSTALLED CONCEALED ABOVE CEILINGS, IN WALLS AND IN CHASES, UNLESS OTHERWISE NOTED. PIPING AND DUCTWORK SHALL BE INSTALLED PARALLEL TO BUILDING LINES AND PITCHED TO LOW POINTS.
- COORDINATE LOCATIONS OF PIPING AND DUCTWORK WITH OTHER TRADES. PERFORM CUTTING WORK ASSOCIATED WITH MECHANICAL SYSTEMS.
- PIPING AND DUCTWORK SHALL BE SUPPORTED FROM BUILDING STRUCTURE. PIPING AND DUCTWORK SHALL BE SUPPORTED FROM TOP CHORD OF JOIST. NO STRUCTURAL MEMBERS SHALL BE CUT.

MECHANICAL LINE TYPE LEGEND

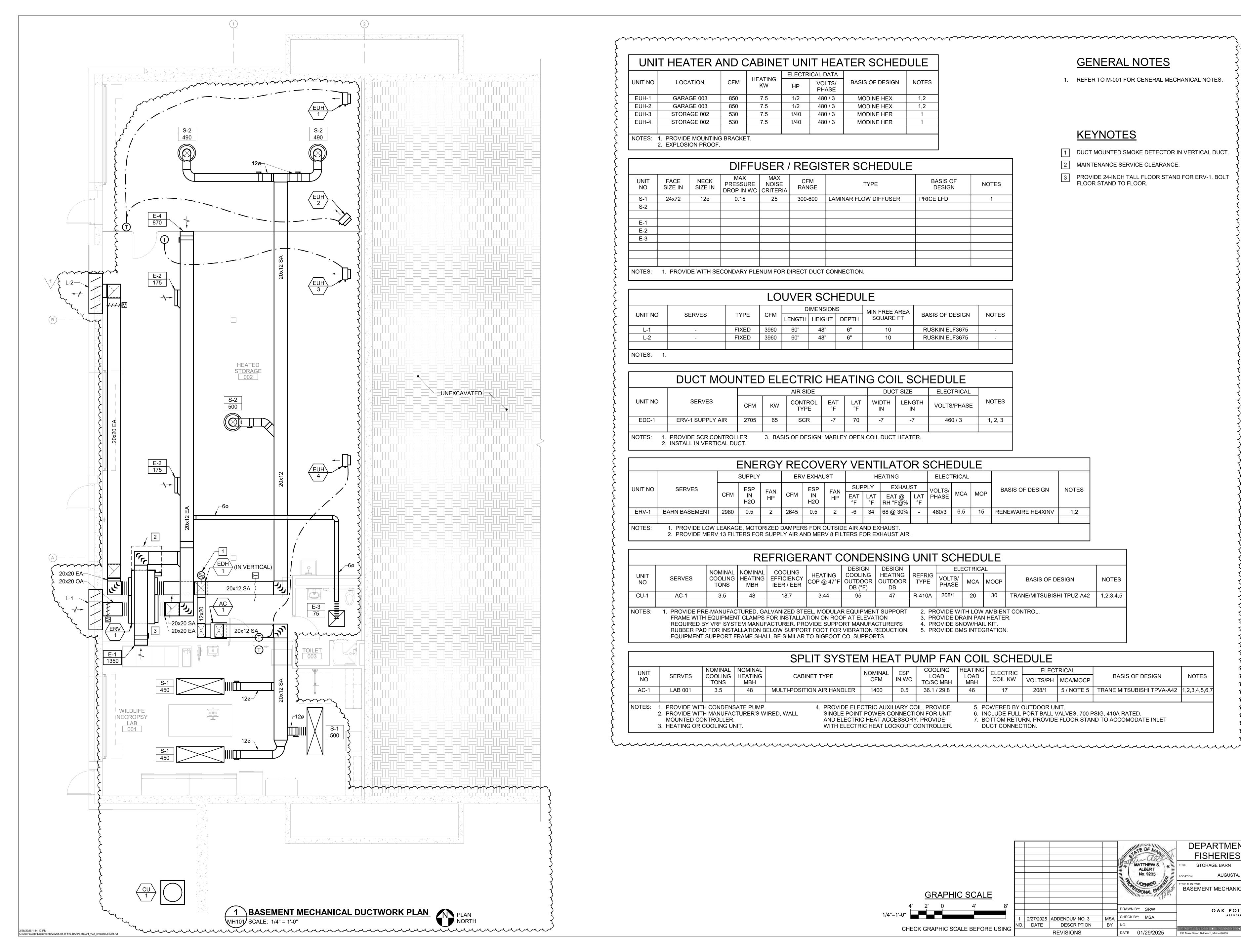
	REMOVE ITEMS
	EXISTING ITEMS TO REMAIN
	PROVIDE ITEMS
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
——HWS———	HOT WATER SUPPLY
HWR	HOT WATER RETURN
CD	CONDENSATE DRAIN
PC	PUMPED CONDENSATE
	GAS
— · — · — · —	CONTROL WIRING

MATTHEW S. ALBERT DEPARTMENT OF INLAND FISHERIES & WILDLIFE STORAGE BARN ALBERT No. 9235 AUGUSTA, ME MECHANICAL LEGEND, ABBREVIATIONS, AND GENERAL NOTES OAK POINT DAM MODERATES M-001 DRAWN BY: Author CHECK BY: Designer SHEET NO. NO. DATE DESCRIPTION

DATE 01/29/2025

REVISIONS

ARCHITECTURE - ENGINEE 231 Main Street, Biddeford, Maine 04005



UNIT HEATER AND CABINET UNIT HEATER SCHEDULE CFM UNIT NO LOCATION BASIS OF DESIGN NOTES VOLTS/ PHASE GARAGE 003 EUH-1 850 7.5 1/2 480 / 3 MODINE HEX 1,2 EUH-2 GARAGE 003 1/2 480 / 3 MODINE HEX 1,2 530 EUH-3 STORAGE 002 7.5 1/40 480 / 3 MODINE HER 530 EUH-4 STORAGE 002 1/40 480 / 3 7.5 MODINE HER NOTES: 1. PROVIDE MOUNTING BRACKET. 2. EXPLOSION PROOF.

			DIFFU	JSER /	REGIS	STER SCHEDULE		
UNIT NO	FACE SIZE IN	NECK SIZE IN	MAX PRESSURE DROP IN WC	MAX NOISE CRITERIA	CFM RANGE	TYPE	BASIS OF DESIGN	NOTES
S-1	24x72	12ø	0.15	25	300-600	LAMINAR FLOW DIFFUSER	PRICE LFD	1
S-2								
E-1								
E-2								
E-3								
NOTES:	1. PROVI	DE WITH SE	CONDARY PLE	NUM FOR D	IRECT DUCT	CONNECTION.	•	

	LOUVER SCHEDULE												
	050/50	T) (DE	0514	D	IMENSION	S	MIN FREE AREA	D 4 0 10 0 5 D 5 0 10 11	NOTES				
UNIT NO	SERVES	TYPE	CFM	LENGTH	HEIGHT	DEPTH	SQUARE FT	BASIS OF DESIGN	NOTES				
L-1	-	FIXED	3960	60"	48"	6"	10	RUSKIN ELF3675	-				
L-2	-	FIXED	3960	60"	48"	6"	10	RUSKIN ELF3675	-				
NOTES: 1.													

	DUCT MOU	NTEC	ELE	CTRIC	HEA	ATIN	G CO	IL SCH	IEDULE		
				AIR SIDE			DUC	T SIZE	ELECTRICAL		
UNIT NO	SERVES	CFM	KW	CONTROL TYPE	EAT °F	LAT °F	WIDTH IN	LENGTH IN	VOLTS/PHASE	NOTES	
EDC-1	ERV-1 SUPPLY AIR	2705	65	SCR	-7	70	-7	-7	460 / 3	1, 2, 3	
NOTES: 1. PROVIDE SCR CONTROLLER. 2. INSTALL IN VERTICAL DUCT. 3. BASIS OF DESIGN: MARLEY OPEN COIL DUCT HEATER.											

GENERAL NOTES

1. REFER TO M-001 FOR GENERAL MECHANICAL NOTES.

<u>KEYNOTES</u>

- 1 DUCT MOUNTED SMOKE DETECTOR IN VERTICAL DUCT.
- 2 MAINTENANCE SERVICE CLEARANCE.
- PROVIDE 24-INCH TALL FLOOR STAND FOR ERV-1. BOLT FLOOR STAND TO FLOOR.

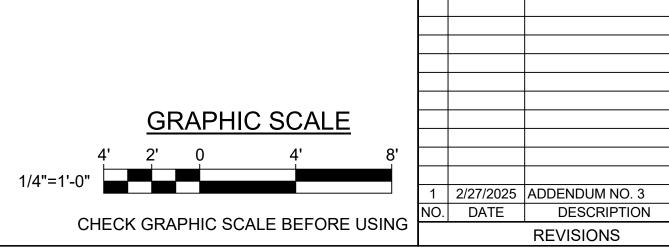
ENERGY RECOVERY VENTILATOR SCHEDULE																
UNIT NO	SERVES	SUPPLY			ERV EXHAUST			HEATING			ELECTRICAL					
			ESP	FAN		ESP	FAN	SUPPLY		EXHAUST		VOLTS/			BASIS OF DESIGN	NOTES
		CFM	IN H2O	HP	CFM	IN H2O	HP	EAT °F	LAT °F	EAT @ RH °F@%	LAT °F	PHASE	MCA	MOP		
ERV-1	BARN BASEMENT	2980	0.5	2	2645	0.5	2	-6	34	68 @ 30%	-	460/3	6.5	15	RENEWAIRE HE4XINV	1,2
NOTES:	1. PROVIDE LOW 2. PROVIDE MERV		,													

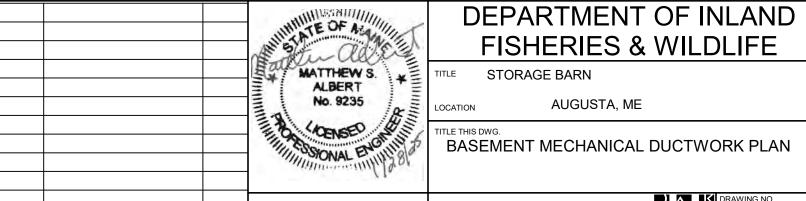
	REFRIGERANT CONDENSING UNIT SCHEDULE													
UNIT NO	SERVES		MINAL NOMINAL COOLI OLING HEATING EFFICIE ONS MBH IEER/I		HEATING COP @ 47°F	DESIGN COOLING OUTDOOR DB (°F)	DESIGN HEATING OUTDOOR DB	REFRIG TYPE		MCA	MOCP	BASIS OF DESIGN	NOTES	
CU-1	AC-1	3.5	48	18.7	3.44	95	47	R-410A	208/1	20	30	TRANE/MITSUBISHI TPUZ-A42	1,2,3,4,5	
NOTES:	NOTES: 1. PROVIDE PRE-MANUFACTURED, GALVANIZED STEEL, MODULAR EQUIPMENT SUPPORT 2. PROVIDE WITH LOW AMBIENT CONTROL. FRAME WITH EQUIPMENT CLAMPS FOR INSTALLATION ON ROOF AT ELEVATION 3. PROVIDE DRAIN PAN HEATER. REQUIRED BY VRF SYSTEM MANUFACTURER. PROVIDE SUPPORT MANUFACTURER'S 4. PROVIDE SNOW/HAIL KIT.													

RUBBER PAD FOR INSTALLATION BELOW SUPPORT FOOT FOR VIBRATION REDUCTION. 5. PROVIDE BMS INTEGRATION.

EQUIPMENT SUPPORT FRAME SHALL BE SIMILAR TO BIGFOOT CO. SUPPORTS.

				SPLIT SYSTE	M HEA	AT PU	JMP FAI	V COIL	SCHE	DULE			
UNIT	SERVES	NOMINAL COOLING TONS		OARINET TYPE	NOMINAL	ESP IN WC	COOLING LOAD TC/SC MBH	HEATING LOAD MBH	ELECTRIC COIL KW	ELECTRICAL			NOTES
NO				CABINET TYPE	CFM					VOLTS/PH	MCA/MOCP	BASIS OF DESIGN	NOTES
AC-1	LAB 001	3.5	48	MULTI-POSITION AIR HANDLER	1400	0.5	36.1 / 29.8	46	17	208/1	5 / NOTE 5	TRANE MITSUBISHI TPVA-A42	1,2,3,4,5,6,7
NOTES: 1. PROVIDE WITH CONDENSATE PUMP. 2. PROVIDE WITH MANUFACTURER'S WIRED, WALL MOUNTED CONTROLLER. 3. HEATING OR COOLING UNIT. 4. PROVIDE ELECTRIC AUXILIARY COIL, PROVIDE SINGLE POINT POWER CONNECTION FOR UNIT AND ELECTRIC HEAT ACCESSORY. PROVIDE WITH MANUFACTURER'S WIRED, WALL AND ELECTRIC HEAT ACCESSORY. PROVIDE WITH RETURN. PROVIDE FLOOR STAND TO ACCOMODATE INLET DUCT CONNECTION.													





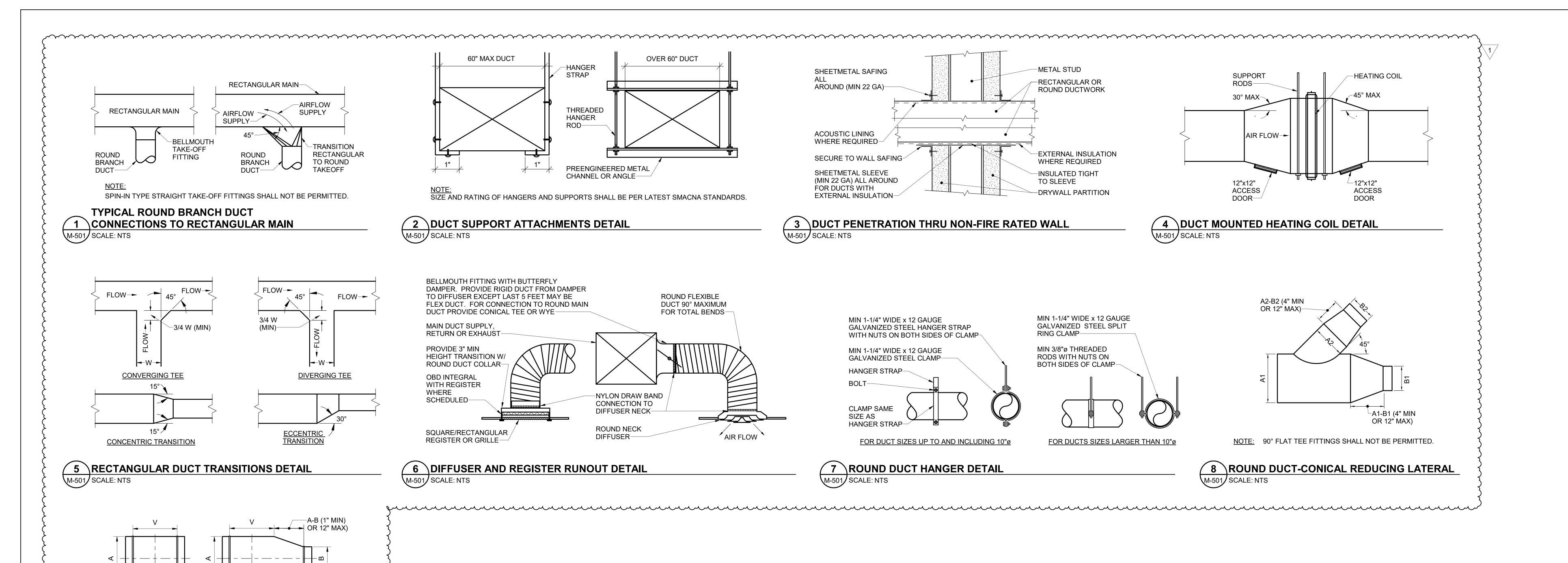
AUGUSTA, ME BASEMENT MECHANICAL DUCTWORK PLAN

OAK POINT DAM MH101

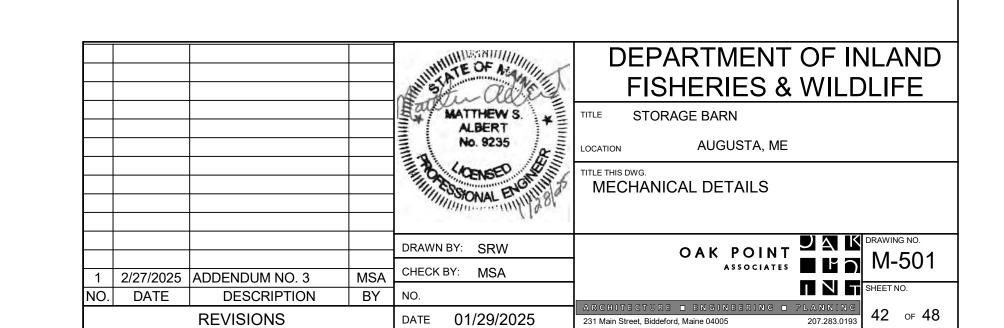
ASSOCIATES M SHEET NO.

DATE 01/29/2025 231 Main Street, Biddeford, Maine 04005

REVISIONS



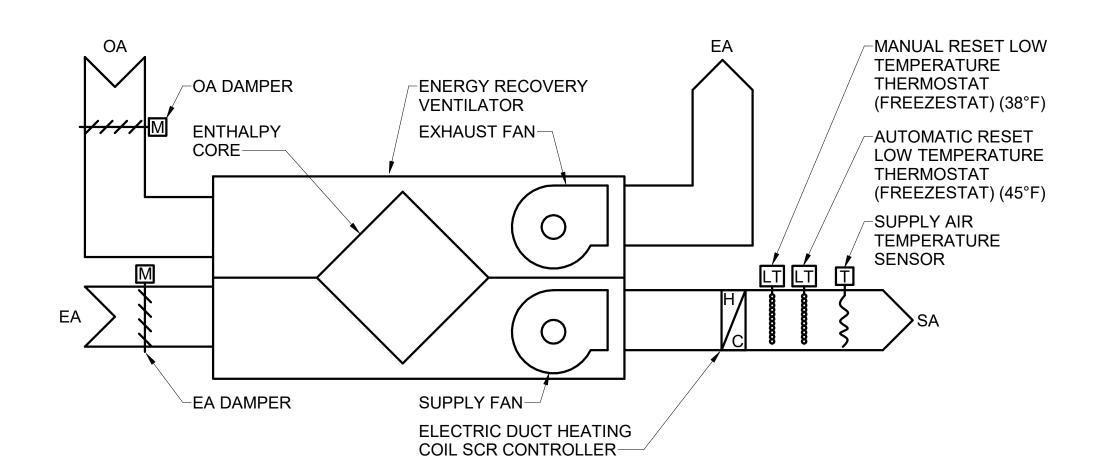




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CONICAL TEE

REDUCING CONICAL TEE



SEQUENCE OF OPERATION

M-701 SCALE: NTS

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ERV OCCUPANCY SHALL BE DETERMINED BY MANUFACTURER'S USER ADJUSTABLE SCHEDULE IN THE DDC SYSTEM.

OCCUPIED MODE - OUTSIDE AND EXHAUST AIR MOTORIZED DAMPERS SHALL OPEN. SUPPLY AND EXHAUST FANS SHALL RUN CONTINUOUSLY.

UNOCCUPIED MODE - OUTSIDE AND EXHAUST AIR MOTORIZED DAMPERS SHALL BE CLOSED. SUPPLY AND EXHAUST FANS SHALL STOP.

SUPPLY AIR TEMPERATURE CONTROLLER SHALL

RH

OUTSIDE AIR RELATIVE

HUMIDITY SENSOR.

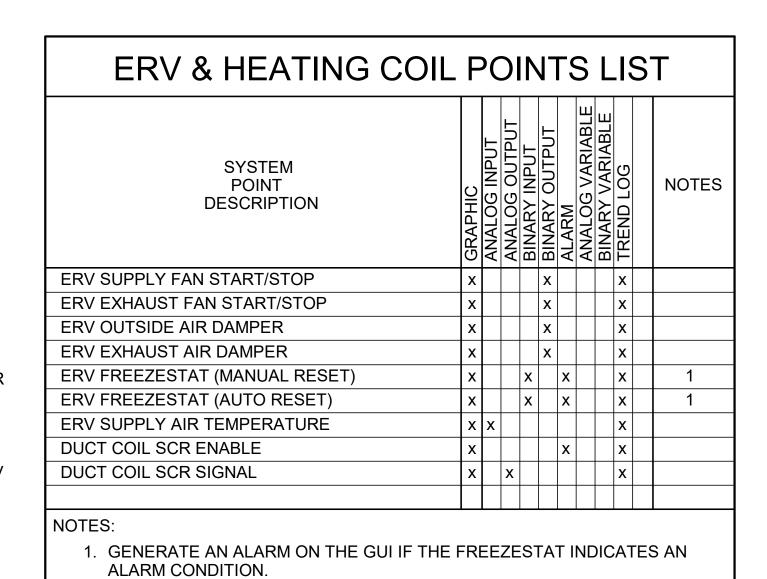
MOUNT OUTSIDE, OUT

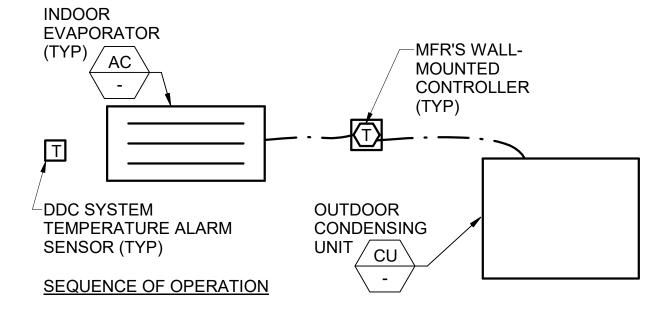
OF DIRECT SUNLIGHT

AND AWAY FROM SOURCES OF SUNLIGHT.

MODULATE HEATING COIL TO MAINTAIN SUPPLY AIR TEMPERATURE SET POINT OF 65°F (ADJUSTABLE).

IF THE FREEZESTAT INDICATES A LOW TEMPERATURE CONDITION (BELOW 38°F) THEN ERV SHALL BE DISABLED. SUPPLY AND EXHAUST FANS SHALL STOP, AND THE OUTSIDE AND EXHAUST AIR DAMPERS SHALL CLOSE.



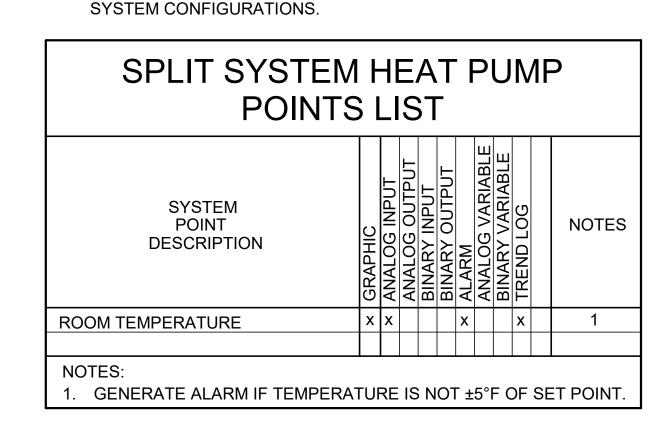


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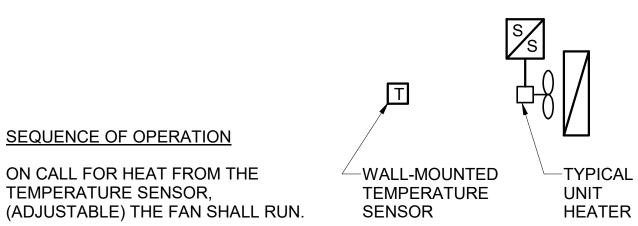
THE SPLIT SYSTEM HEAT PUMP AIR CONDITIONING UNIT SHALL HAVE A STAND ALONE, WALL MOUNTED CONTROLLER WHICH SHALL HAVE A 24 HOUR, 7 DAY PROGRAMMABLE THERMOSTAT AND A COOLING ON/OFF

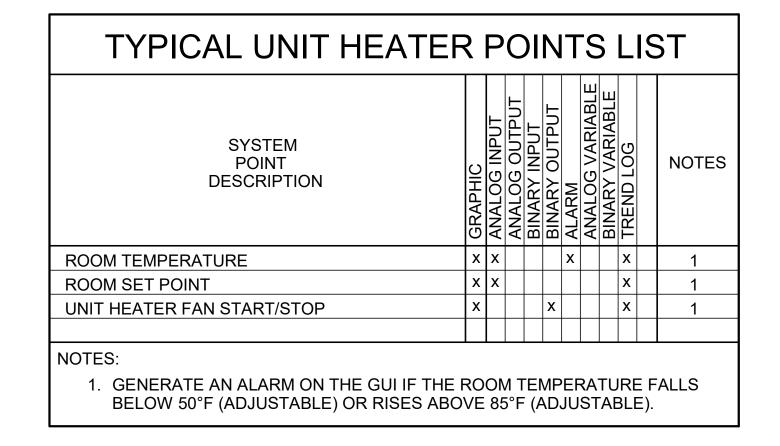
DUCTLESS SPLIT SYSTEM NOTES:

- THE CONTROLS CONTRACTOR SHALL PROVIDE INTERCONNECTING WIRING BETWEEN SYSTEM DEVICES AS REQUIRED BY THE EQUIPMENT MANUFACTURERS WRITTEN INSTRUCTIONS.
- REFER TO EQUIPMENT SCHEDULE SHEETS FOR DUCTLESS SPLIT









3 TYPICAL UNIT HEATER CONTROL DIAGRAM M-701 SCALE: NTS

TEMPERATURE SENSOR,

CONTROL SYSTEM GENERAL NOTES

- ALARMS SHALL BE ANNUNCIATED ON THE GRAPHICAL USER INTERFACE (GUI) COMPUTERS AND SHALL BE FULLY INTEGRATED WITH EXISTING GRAPHICS.
- SETTINGS, MODES, AND SETPOINTS THAT ARE INDICATED AS BEING ADJUSTABLE SHALL BE ADJUSTABLE BY THE BUILDING OPERATOR THROUGH
- 3. ALL INPUTS AND OUTPUTS SERVING A SINGLE PIECE OF EQUIPMENT (AHU, HEAT PUMP, ETC) SHALL BE WIRED TO A SINGLE CONTROLLER (WITH EXPANSION PANELS IF NECESSARY).

THE GUI WITHOUT THE NEED TO CHANGE OR EDIT PROGRAMMING.

- 4. DISPLAY OF HISTORICAL TREND DATA SHALL BE AVAILABLE TO THE OWNER THROUGH A POINT-AND-CLICK ICON ON THE GUI COMPUTERS.
- 5. ANALOG DATA SHALL BE TRENDED AT REGULAR INTERVALS, DETERMINED BY

THE EXPECTED RATE OF CHANGE OF THE DATA, AND SHALL BE ARCHIVED

- BINARY DATA SHALL BE TRENDED ON A CHANGE OF STATE BASIS AND SHALL BE ARCHIVED AND STORED ON THE GUI COMPUTER.
- 7. COORDINATE FINAL GUI COMPUTER LOCATION WITH OWNER.

AND STORED ON THE GUI COMPUTER.

- 8. ALL LOW-VOLTAGE AND CONTROL WIRING SHALL BE CONCEALED IN WALLS AND ABOVE CEILINGS.
- 9. THE CONTROL SYSTEM SHALL CONSIST OF A HIGH-SPEED, PEER-TO-PEER NETWORK OF DDC CONTROLLERS. A CONTROL SYSTEM SERVER. AND A WEB-BASED OPERATOR INTERFACE. DDC SYSTEM IS FOR MONITORING AND CONTROLLING VARIOUS HVAC SYSTEMS. THE CONTROL SYSTEM SHALL BE SEAMLESSLY INTEGRATED WITH THE STATE OF MAINE BUILDING CONTROL CENTER (BCC) WHICH PROVIDES 24 HOURS A DAY, 7 DAYS A WEEK, 365 DAYS A YEAR MONITORING OF STATE FACILITIES. THE HVAC CONTROLS SHALL BE AN EXTENSION OF THE EXISTING HONEYWELL ENTERPRISE BUILDING INTEGRATOR (EBI) WITH HOST SERVER HARDWARE LOCATED IN AUGUSTA MAINE. THE BUILDING AUTOMATION SYSTEM (BAS) SHALL ENABLE MONITORING AND CONTROL OF MECHANICAL SYSTEMS INSTALLED UNDER THE SCOPE OF THIS PROJECT THROUGH TO THE BCC. INTEGRATION OF HVAC SYSTEM, PANELS, ASSOCIATED DEVICES, FRONT-END PROGRAMMING, AND GRAPHICS IS PROPRIETARY TO HONEYWELL INTERNATIONAL INC. CONTACT: BOB MASLAND, SENIOR ACCOUNT EXECUTIVE, HONEYWELL BUILDING TECHNOLOGIES; ROBERT.MASLAND2@HONEYWELL.COM.
- 10. DDC SYSTEM SHALL INTERFACE WITH AN EXISTING BCC BUILDING CONTROL CENTER ENTERPRISE SYSTEM TO ADHERE TO OWNER STANDARDS ALREADY IN-PLACE AND TO ACHIEVE INTEGRATION. INTEGRATION IS LIMITED TO 3 STATE OF MAINE NETWORK CONNECTIONS.
- 11. ENGAGE OWNER'S CONTROL SYSTEM INTEGRATOR HONEYWELL EBI TO PROVIDE THE FOLLOWING SERVICES:
 - A. SYSTEM EXPANSION AND DEVELOPMENT OF GRAPHICS, LOGS, REPORTS, TRENDS, AND OTHER OPERATIONAL CAPABILITIES OF ENTERPRISE SYSTEM FOR I/O BEING ADDED TO DDC CONTROL SYSTEM FOR USE BY ENTERPRISE SYSTEM OPERATORS.
 - B. ASSISTANCE DURING COMMISSIONING TO EXTENT OF DDC SYSTEM INTEGRATION WITH EXISTING ENTERPRISE SYSTEM
 - C. PREPARE ON-SITE DEMONSTRATION MOCKUP OF INTEGRATION OF DDC SYSTEM TO BE INSTALLED WITH EXISTING SYSTEM BEFORE INSTALLING DDC SYSTEM.
- 12. REPORTS AND LOGS SHALL BE PROVIDED VIA THE EXISTING HONEYWELL EBI SYSTEM.
- 13. THE STATE OF MAINE HAS A REQUIREMENT FOR NO LOCAL SPACE TEMPERATURE SENSOR CONTROL BY OCCUPANTS. SPACE SENSOR CONTROL WILL FOLLOW STATE STANDARD OF 68 DEGREES FOR HEATING AND 75 DEGREES FOR COOLING.
- 14. THE STATE OF MAINE USES FORGE, AN INTUITIVE PROGRAM THAT USES ANALYTICS TO REPORT ABNORMALITIES WITHIN THE HVAC SYSTEMS. PROVIDE ASSET INTEGRATION INTO FORGE.
- 15. THE STATE OF MAINE USES COMMAND & CONTROL, AN INTELLIGENT SOLUTION, THAT PROVIDES A MORE EFFECTIVELY MONITORING, OPTIMIZATION, AND AUTOMATE ESSENTIAL FUNCTIONS, FOR ENERGY MANAGEMENT AND HVAC ASSETS WILL REQUIRE MODIFICATIONS TO THE CURRENT FACILITY COMMAND AND CONTROL SUITE

16. LICENSING - PROVIDE REQUIRED ADDITIONAL HONEYWELL EBI HVAC LICENSING POINTS.

GLOBAL BUILDING POINTS LIST SYSTEM POINT DESCRIPTION NOTES OUTSIDE AIR TEMPERATURE **OUTSIDE AIR RELATIVE HUMIDITY** NOTES:

1 \ENERGY RECOVERY VENTILATOR AND HEATING COIL CONTROL DIAGRAM

OUTSIDE AIR TEMPERATURE

SENSOR. MOUNT OUTSIDE, OUT

OF DIRECT SUNLIGHT AND AWAY

FROM SOURCES OF HEAT.

4 BUILDING GLOBAL POINTS CONTROL DIAGRAM M-701 SCALE: NTS

DEPARTMENT OF INLAND FISHERIES & WILDLIFE MATTHEW S. STORAGE BARN ALBERT No. 9235 AUGUSTA, ME MECHANICAL CONTROL DIAGRAMS OAK POINT MASSOCIATES M-701 CHECK BY: MSA 1 2/27/2025 ADDENDUM NO. 3 SHEET NO NO. DATE DESCRIPTION REVISIONS DATE 01/29/2025 231 Main Street, Biddeford, Maine 04005