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CONDENSING UNIT SCHEDULE																
SYMBOL	SERVES	MANUFACTURER	REFRIGERANT	MODEL	TYPE	NOMINAL TONS	DESIGN OSA TEMP (°F)	EFFICIENCY RATINGS			ELECTRICAL			WEIGHT (LBS)	NOTES	
								EER2	HSPF2	COP2	VOLT	PHASE	MCA			MOCF
40-OU-1	40-IU-1	MTSUBISHI	R-454B	PUZ-AK12NL	AIR-COOLED HEAT PUMP	1.0	105	13.3	10.2	2.6	208	1	11	15	93	1,2,3,4,5
46-OU-1	46-IU-1	MTSUBISHI	R-454B	PUZ-AK12NL	AIR-COOLED HEAT PUMP	1.0	105	13.3	10.2	2.6	208	1	11	15	93	1,2,3,4,5
48-OU-1	48-IU-1	MTSUBISHI	R-454B	PUZ-AK12NL	AIR-COOLED HEAT PUMP	1.0	105	13.3	10.2	2.6	208	1	11	15	93	1,2,3,4,5
50-OU-1	50-IU-1	MTSUBISHI	R-454B	PUZ-AK12NL	AIR-COOLED HEAT PUMP	1.0	105	13.3	10.2	2.6	208	1	11	15	93	1,2,3,4,5
53-OU-1	53-IU-1	MTSUBISHI	R-454B	PUZ-AK30NLHZ	AIR-COOLED HEAT PUMP	2.5	105	12.8	8.5	1.8	208	1	24	35	261	1,2,3,4,5
88-OU-1	88-IU-1	MTSUBISHI	R-454B	PUZ-AK30NLHZ	AIR-COOLED HEAT PUMP	2.5	105	12.8	8.5	1.8	208	1	24	35	261	1,2,3,4,5
89-OU-1	89-IU-1	MTSUBISHI	R-454B	PUZ-AK30NLHZ	AIR-COOLED HEAT PUMP	3.0	105	12.3	9.0	1.8	208	1	24	35	261	1,2,3,4,5
90-OU-1	90-IU-1	MTSUBISHI	R-454B	PUZ-AK30NLHZ	AIR-COOLED HEAT PUMP	2.5	105	12.8	8.5	1.8	208	1	24	35	261	1,2,3,4,5
110-OU-1	110-IU-1	MTSUBISHI	R-454B	PUZ-AK12NL	AIR-COOLED HEAT PUMP	1.0	105	13.3	10.2	2.6	208	1	11	15	93	1,2,3,4,5
113-OU-1	113-IU-1	MTSUBISHI	R-454B	PUZ-AK30NLHZ	AIR-COOLED HEAT PUMP	2.5	105	12.8	8.5	1.8	208	1	24	35	261	1,2,3,4,5
113-OU-2	113-IU-2	MTSUBISHI	R-454B	PUZ-AK30NLHZ	AIR-COOLED HEAT PUMP	2.5	105	12.8	8.5	1.8	208	1	24	35	261	1,2,3,4,5
113-OU-3	113-IU-3	MTSUBISHI	R-454B	PUZ-AK30NLHZ	AIR-COOLED HEAT PUMP	3.0	105	12.3	9.0	1.8	208	1	24	35	261	1,2,3,4,5
113-CU-4	113-IU-4	MTSUBISHI	R-410A	PUZ-HA38NKA	AIR-COOLED HEAT PUMP	3.0	105	12.3	9.0	1.8	208	1	24	35	261	1,2,3,4,5
113-OU-4A	113-IU-4A	MTSUBISHI	R-454B	PUZ-AK24NLHZ	AIR-COOLED HEAT PUMP	2.0	105	12.6	9.5	1.9	208	1	17	25	190	1,2,3,4,5
113-OU-4B	113-IU-4B	MTSUBISHI	R-454B	PUZ-AK24NLHZ	AIR-COOLED HEAT PUMP	2.0	105	12.6	9.5	1.9	208	1	17	25	190	1,2,3,4,5
113-OU-5	113-IU-5	MTSUBISHI	R-454B	PUZ-AK30NLHZ	AIR-COOLED HEAT PUMP	2.5	105	12.8	8.5	1.8	208	1	24	35	261	1,2,3,4,5
113-OU-6	113-IU-6	MTSUBISHI	R-454B	PUZ-AK12NL	AIR-COOLED HEAT PUMP	1.0	105	13.3	10.2	2.6	208	1	11	15	93	1,2,3,4,5
137-OU-1	137-IU-1	MTSUBISHI	R-454B	PUZ-AK12NL	AIR-COOLED HEAT PUMP	1.0	105	13.3	10.2	2.6	208	1	11	15	93	1,2,3,4,5
145-OU-1	145-IU-1	MTSUBISHI	R-454B	PUZ-AK30NLHZ	AIR-COOLED HEAT PUMP	2.5	105	12.8	8.5	1.8	208	1	24	35	261	1,2,3,4,5
145-OU-2	145-IU-2	MTSUBISHI	R-454B	PUZ-AK24NLHZ	AIR-COOLED HEAT PUMP	2.0	105	12.6	9.5	1.9	208	1	17	25	190	1,2,3,4,5
145-OU-3	145-IU-3	MTSUBISHI	R-454B	PUZ-AK30NLHZ	AIR-COOLED HEAT PUMP	2.5	105	12.8	8.5	1.8	208	1	24	35	261	1,2,3,4,5
145-OU-4	145-IU-4	MTSUBISHI	R-454B	PUZ-AK30NLHZ	AIR-COOLED HEAT PUMP	2.5	105	12.8	8.5	1.8	208	1	24	35	261	1,2,3,4,5
145-OU-5	145-IU-5	MTSUBISHI	R-454B	PUZ-AK12NL	AIR-COOLED HEAT PUMP	1.0	105	13.3	10.2	2.6	208	1	11	15	93	1,2,3,4,5
145-OU-6	145-IU-6	MTSUBISHI	R-454B	PUZ-AK24NLHZ	AIR-COOLED HEAT PUMP	2.0	105	12.6	9.5	1.9	208	1	17	25	190	1,2,3,4,5
145-OU-7	145-IU-7	MTSUBISHI	R-454B	PUZ-AK24NLHZ	AIR-COOLED HEAT PUMP	2.0	105	12.6	9.5	1.9	208	1	17	25	190	1,2,3,4,5
145-OU-8	145-IU-8	MTSUBISHI	R-454B	PUZ-AK24NLHZ	AIR-COOLED HEAT PUMP	2.0	105	12.6	9.5	1.9	208	1	17	25	190	1,2,3,4,5
146-OU-1	146-IU-1	MTSUBISHI	R-454B	PUZ-AK30NLHZ	AIR-COOLED HEAT PUMP	2.5	105	12.8	8.5	1.8	208	1	24	35	261	1,2,3,4,5
148-OU-1	148-IU-1	MTSUBISHI	R-454B	PUZ-AK30NLHZ	AIR-COOLED HEAT PUMP	2.5	105	12.8	8.5	1.8	208	1	24	35	261	1,2,3,4,5
148-OU-2	148-IU-2	MTSUBISHI	R-454B	PUZ-AK30NLHZ	AIR-COOLED HEAT PUMP	2.5	105	12.8	8.5	1.8	208	1	24	35	261	1,2,3,4,5
148-OU-3	148-IU-3	MTSUBISHI	R-454B	PUZ-AK30NLHZ	AIR-COOLED HEAT PUMP	2.5	105	12.8	8.5	1.8	208	1	24	35	261	1,2,3,4,5
T171-OU-1	T171-IU-1	MTSUBISHI	R-454B	PUZ-AK12NL	AIR-COOLED HEAT PUMP	1.0	105	13.3	10.2	2.6	208	1	11	15	93	1,2,3,4,5
T286-OU-1	T286-IU-1	MTSUBISHI	R-454B	PUZ-AK30NLHZ	AIR-COOLED HEAT PUMP	2.5	105	12.8	8.5	1.8	208	1	24	35	261	1,2,3,4,5
NOTES: 1. ELECTRICAL DISCONNECT SHALL BE PROVIDED BY DIVISION 23 CONTRACTOR WITH EQUIPMENT, AND SHALL BE FIELD INSTALLED. 2. PROVIDE WITH INTERCONNECTING POWER AND CONTROL WIRING BETWEEN INDOOR AND OUTDOOR UNITS. 3. PROVIDE WITH MANUFACTURERS 18" MOUNTING STAND. 4. PROVIDE AND ATTACH LABEL TO UNIT WITH SYSTEM AND SPACE SERVED. 5. PROVIDE WITH MANUFACTURERS WIND BAFFLE KIT.																

INDOOR UNIT SCHEDULE																	
SYMBOL	SERVES	MANUFACTURER	MODEL	REFRIGERANT	MOUNTING	TOTAL COOLING MBH	SENSIBLE COOLING MBH	HEATING MBH	SUPPLY FAN			MIN OSA	ELECTRICAL			WEIGHT (LBS)	NOTES
									CFM	FLA	MCA		VOLT	PHASE	MCA		
40-IU-1	BLDG 40 100A	MTSUBISHI	PLA-AE12NL	R-454B	CEILING	10.7	10.2	8.1	530	0.28	1.00	25	208	1	14	46	1,2,3,4
46-IU-1	BLDG 46 B105	MTSUBISHI	PKA-AL12NL	R-454B	WALL	10.7	10.1	8.1	385	0.19	1.00	-	208	1	14	28	1,2,3,4
48-IU-1	BLDG 48 100	MTSUBISHI	PLA-AE12NL	R-454B	CEILING	10.7	10.2	8.1	530	0.28	1.00	25	208	1	14	46	1,2,3,4
50-IU-1	BLDG 50 201A	MTSUBISHI	PKA-AL12NL	R-454B	WALL	10.7	10.1	8.1	385	0.19	1.00	-	208	1	14	28	1,2,3,4
53-IU-1	BLDG 53 TC81	MTSUBISHI	PKA-AK30NL	R-454B	WALL	29.1	20.6	27.7	775	0.27	1.00	-	208	1	14	46	1,2,3,4
88-IU-1	BLDG 88 B102D	MTSUBISHI	PKA-AK30NL	R-454B	WALL	29.3	20.8	27.7	775	0.27	1.00	-	208	1	14	46	1,2,3,4
89-IU-1	BLDG 89 202	MTSUBISHI	PKA-AK30NL	R-454B	WALL	33.1	24.1	31.4	920	0.27	1.00	-	208	1	14	46	1,2,3,4
90-IU-1	BLDG 90 102A	MTSUBISHI	PKA-AK30NL	R-454B	WALL	29.5	20.8	27.7	775	0.27	1.00	-	208	1	14	46	1,2,3,4
110-IU-1	BLDG 110 102	MTSUBISHI	PKA-AL12NL	R-454B	WALL	10.7	10.1	8.1	385	0.19	1.00	-	208	1	14	28	1,2,3,4
113-IU-1	BLDG 113 B01	MTSUBISHI	PKA-AK30NL	R-454B	WALL	28.5	20.4	27.7	775	0.27	1.00	-	208	1	14	46	1,2,3,4
113-IU-2	BLDG 113 169	MTSUBISHI	PKA-AK30NL	R-454B	WALL	28.5	20.4	27.7	775	0.27	1.00	-	208	1	14	46	1,2,3,4
113-IU-3	BLDG 113 187A	MTSUBISHI	PKA-AK30NL	R-454B	WALL	34.8	24.7	32.8	920	0.27	1.00	-	208	1	14	46	1,2,3,4
113-IU-4	BLDG 113 TCS103	MTSUBISHI	PKA-A36KA8	PKA-A36KA8	WALL	34.8	24.7	32.8	920	0.27	1.00	-	208	1	14	46	1,2,3,4
113-IU-4A	BLDG 113 TCS103	MTSUBISHI	PKA-AK24NL	R-454B	WALL	23.9	18.5	22.5	705	0.27	1.00	-	208	1	14	46	1,2,3,4
113-IU-4B	BLDG 113 TCS103	MTSUBISHI	PKA-AK24NL	R-454B	WALL	23.9	18.5	22.5	705	0.27	1.00	-	208	1	14	46	1,2,3,4
113-IU-5	BLDG 113 216	MTSUBISHI	PKA-AK30NL	R-454B	WALL	28.5	20.4	27.7	775	0.27	1.00	-	208	1	14	46	1,2,3,4
113-IU-6	BLDG 113 192A	MTSUBISHI	PLA-AE12NL	R-454B	CEILING	10.7	10.2	8.1	530	0.28	1.00	25	208	1	14	46	1,2,3,4
137-IU-1	BLDG 137 104	MTSUBISHI	PKA-AL12NL	R-454B	WALL	10.7	10.1	8.1	385	0.19	1.00	-	208	1	14	28	1,2,3,4
145-IU-1	BLDG 145 122B	MTSUBISHI	PKA-AK30NL	R-454B	WALL	28.5	20.4	27.7	775	0.27	1.00	-	208	1	14	46	1,2,3,4
145-IU-2	BLDG 145 129	MTSUBISHI	PKA-AK24NL	R-454B	WALL	23.9	18.5	22.5	705	0.27	1.00	-	208	1	14	46	1,2,3,4
145-IU-3	BLDG 145 229A	MTSUBISHI	PKA-AK30NL	R-454B	WALL	28.5	20.4	27.7	775	0.27	1.00	-	208	1	14	46	1,2,3,4
145-IU-4	BLDG 145 329	MTSUBISHI	PKA-AK30NL	R-454B	WALL	28.5	20.4	27.7	775	0.27	1.00	-	208	1	14	46	1,2,3,4
145-IU-5	BLDG 145 138	MTSUBISHI	PKA-AL12NL	R-454B	WALL	10.7	10.1	8.1	385	0.19	1.00	-	208	1	14	28	1,2,3,4
145-IU-6	BLDG 145 128	MTSUBISHI	PKA-AK24NL	R-454B	WALL	23.9	18.5	22.5	705	0.27	1.00	-	208	1	14	46	1,2,3,4
145-IU-7	BLDG 145 125	MTSUBISHI	PKA-AK24NL	R-454B	WALL	23.9	18.5	22.5	705	0.27	1.00	-	208	1	14	46	1,2,3,4
145-IU-8	BLDG 145 125	MTSUBISHI	PKA-AL12NL	R-454B	WALL	10.7	10.1	8.1	385	0.19	1.00	-	208	1	14	28	1,2,3,4
146-IU-1	BLDG 146 108	MTSUBISHI	PKA-AK30NL	R-454B	WALL	28.7	20.5	27.7	775	0.27	1.00	-	208	1	14	46	1,2,3,4
148-IU-1	BLDG 148 A114A	MTSUBISHI	PKA-AK30NL	R-454B	WALL	28.5	20.4	27.7	775	0.27	1.00	-	208	1	14	46	1,2,3,4
148-IU-2	BLDG 148 C106A	MTSUBISHI	PKA-AK30NL	R-454B	WALL	28.5	20.4	27.7	775	0.27	1.00	-	208	1	14	46	1,2,3,4
148-IU-3	BLDG 148 F108	MTSUBISHI	PKA-AK30NL	R-454B	WALL	28.5	20.4	27.7	775	0.27	1.00	-	208	1	14	46	1,2,3,4
T171-IU-1	BLDG T171 100	MTSUBISHI	PLA-AE12NL	R-454B	CEILING	10.7	10.2	8.1	530	0.28	1.00	25	208	1	14	46	1,2,3,4
T296-IU-1	BLDG T296 104	MTSUBISHI	PKA-AK30NL	R-454B	WALL	29.5	20.8	27.7	775	0.27	1.00	-	208	1	14	46	1,2,3,4
NOTES																	
1. INDOOR UNIT POWERED BY OUTDOOR UNIT.																	
2. PROVIDE WITH CONDENSATE PUMP. CONDENSATE PUMP SHALL BE POWERED BY INDOOR UNIT.																	
3. PROVIDE WITH BACNET DDC INTERFACE.																	
4. PROVIDE WITH INTERCONNECTING POWER AND CONTROL WIRING BETWEEN INDOOR AND OUTDOOR UNIT.																	

DATA ROOM BASIS OF DESIGN (TR/TE)					
BLDG	ROOM	IT RACKS	ROOM TYPE	HEAT LOAD STANDARD BASIS OF DESIGN	NOTES
NUM	NUM	QTY	TE / TR	VA STANDARD KW (BTU/Hr)	
40	100A	1	TE	0.5 KW (1700 btu/hr)	
46	B105	1	TE	0.5 KW (1700 btu/hr)	
48	100	1	TE	0.5 KW (1700 btu/hr)	
50	201A	1	TE	0.5 KW (1700 btu/hr)	
53	TCB1	1	TR	5 KW (17100 btu/hr)	
88	B102D	1	TR	5 KW (17100 btu/hr)	
89	202	1	TR	5 KW (17100 btu/hr)	
90	102A	1	TR	5 KW (17100 btu/hr)	
110	102	1	TE	0.5 KW (1700 btu/hr)	
113	B01	1	TR	5 KW (17100 btu/hr)	
113	169	1	TR	5 KW (17100 btu/hr)	
113	187A	2	TR	7 KW (23900 btu/hr)	
113	TCS103	3	TR	8.5 KW (29000 btu/hr)	
113	216	1	TR	5 KW (17100 btu/hr)	
137	104	1	TE	0.5 KW (1700 btu/hr)	
145	122B	1	TR	5 KW (17100 btu/hr)	
145	229A	1	TR	5 KW (17100 btu/hr)	
145	329	1	TR	5 KW (17100 btu/hr)	
146	108	1	TR	5 KW (17100 btu/hr)	
147	103	1	TE	0.5 KW (1700 btu/hr)	
148	A114A	1	TR	5 KW (17100 btu/hr)	
148	C106A	1	TR	5 KW (17100 btu/hr)	
148	F108	1	TR	5 KW (17100 btu/hr)	
T171	100	1	TE	0.5 KW (1700 btu/hr)	
T296	103	1	TR	5 KW (17100 btu/hr)	

EXISTING HVAC EQUIPMENT SCHEDULE					
SYMBOL	TYPE	QTY	SERVICE	DESCRIPTION/DATA	WORK SCOPE
E-113-U-6	INDOOR UNIT	1	BLDG 113 TCS102	-	EXISTING TO REMAIN
E-113-U-7	INDOOR UNIT	1	BLDG 113 TCS103	FRIEDRICH, MODEL: FPHSW09A1B, 120V / 1PH	DEMOLISH
E-113-U-8	INDOOR UNIT	1	BLDG 113 TCS104	FRIEDRICH, MODEL: FPHSW09A1B, 120V / 1PH	DEMOLISH
CU-1	CONDENSING UNIT	1	-	SPLIT A/C SYSTEM, CARRIER, 208V / 1PH, MCA 14.1, MOCP 25, 24MBH	EXISTING TO REMAIN
CU-2	CONDENSING UNIT	1	-	SPLIT A/C SYSTEM, CARRIER, 208V / 1PH, MCA 14.1, MOCP 25, 24MBH	DEMOLISH
CU-3	CONDENSING UNIT	1	-	SPLIT A/C SYSTEM, CARRIER, 208V / 1PH, MCA 14.1, MOCP 25, 24MBH	EXISTING TO REMAIN
(E) OUTDOOR UNIT	CONDENSING UNIT	1	BLDG 113	FRIEDRICH, MODEL: FPHSR09A1A, 120V / 1PH, MCA 13.5A, MOCP 20A	DEMOLISH
(E) OUTDOOR UNIT	CONDENSING UNIT	1	BLDG 113	mitsubishi electric	EXISTING TO REMAIN
NOTES: 1. DEMOLISH INDOOR UNIT, ASSOCIATED OUTDOOR UNIT, REFRIGERANT PIPING, CONDENSATE DRAIN PIPING, & ASSOCIATED CONTROL WIRING.					

WALL CAP SCHEDULE					
SYMBOL	SERVES	MANUFACTURER	MODEL	FINISH	NOTES
40-WC-1	BUILDING 40	BROAN	641FA	WHITE	
48-WC-1	BUILDING 48	BROAN	641FA	WHITE	
T171-WC-1	BUILDING T171	BROAN	641FA	WHITE	
NOTES:					

REFRIGERANT ECONOMIZER SCHEDULE										
SYMBOL	SERVES	MANUFACTURER	MODEL	ELECTRICAL					WEIGHT	NOTES
				VOLT	PHASE	FLA	MCA	MOCP		
145-RE-1	145-CRAC-1	LIEBERT	PR085	480	3	7.00	7.90	15	340	
145-RE-2	145-CRAC-1	LIEBERT	PR085	480	3	7.00	7.90	15	340	
145-RE-3	145-CRAC-2	LIEBERT	PR085	480	3	7.00	7.90	15	340	
NOTES:										

WEATHERPROOF LOUVER SCHEDULE											
SYMBOL	MANUFACTURER	MODEL	SERVICE	CFM	SIZE (IN)			FREE AREA (IN)	MAX PD (FPM)	FINISH	NOTES
					LENGTH	HEIGHT	DEPTH				
145-L-1	RUSKIN	BL520D	EMERGENCY RELIEF	-	24	24	6	50	2.00	0.08	980 SEE NOTES 1,2,3,4
NOTES: 1. PROVIDE LOUVER WITH BIRD SCREEN ON INSIDE OF LOUVER. 2. PROVIDE LOUVER WITH SHEET METAL PLENUM BEHIND FULL LOUVER AREA, MINIMUM 6" DEPTH 3. BLAST RESISTANT LOUVER. 4. PROVIDE WITH FACTORY COATED FINISH. COLOR SHALL BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARD COLOR PALETTE.											

COMPUTER ROOM AIR CONDITIONING SYSTEMS - INDOOR UNIT SCHEDULE																
EQUIPMENT	MODEL	TYPE	TOTAL COOLING MBH	SENSIBLE COOLING MBH	HEATING MBH	SUPPLY FAN			ELECTRICAL				WEIGHT (LBS)	NOTES		
						CFM	HP	ESP (IN WG)	VOLT	PHASE	FLA	MCA			MOCP	
CRAC-RT	DA080DP	FLOOR	233	196	102	9198	38.4	0.2	208	3	119.2	128.5	150	2200	1,2,3,4,6,7,8,9	
CRAC-RT	DA080DP	FLOOR	233	196	102	9198	38.4	0.2	208	3	119.2	128.5	150	2200	1,2,3,4,6,7,8,9	
CRAC-RT	DA080DP	FLOOR	233	196	102	9198	38.4	0.2	208	3	119.2	128.5	150	2200	1,2,3,4,6,7,8,9	
CRAC-RT	PX011UA1C	FLOOR	43.3	38.2	20.40	1800	1.3	0.2	208	1	39.9	48.6	60	600	1,2,3,5,6,8	
CRAC-RT	PX011UA1C	FLOOR	43.3	38.2	20.40	1800	1.3	0.2	208	1	39.9	48.6	60	600	1,2,3,5,6,8	
NOTES: 1. CRAC UNIT SHALL BE PROVIDED BY DIVISION 23 CONTRACTOR WITH EQUIPMENT, AND SHALL BE FIELD INSTALLED. 2. CRAC UNIT SHALL BE PROVIDED WITH DEDICATED HUMIDIFICATION AND DEHUMIDIFICATION CAPABILITIES. 3. CONDENSATE PUMP SHALL BE POWERED BY INDOOR UNIT. 4. CRAC UNIT SHALL BE PROVIDED WITH FRONT DISCHARGE OPTION. 5. CRAC UNIT SHALL BE PROVIDED WITH FRONT, LEFT, AND RIGHT DISCHARGE OPTIONS. 6. CRAC UNIT SHALL BE PROVIDED WITH 105 DEGREE F OUTSIDE AIR TEMPERATURE. 7. CRAC UNIT SHALL BE PROVIDED WITH SMOKE DETECTOR MAY BE FACTORY INSTALLED OR FACTORY PROVIDED FOR FIELD INSTALLATION. 8. CRAC UNIT SHALL BE PROVIDED WITH BAGNET DDC INTERFACE CAPABILITY. 9. CRAC UNIT SHALL BE PROVIDED WITH UNIT POWER MONITORING OPTION.																

COMPUTER ROOM AIR CONDITIONER SYSTEMS - CONDENSING UNIT SCHEDULE														
SYMBOL	SERVES	MANUFACTURER	REFRIGERANT	MODEL	TYPE	NOMINAL TONS	DESIGN TEMP (°F)	ELECTRICAL					WEIGHT (LBS)	NOTES
								VOLT	PHASE	FLA	MCA	MOCP		
145-CU-1	145-CRAC-1	LIEBERT	R-410A	MCL220E1YD	AIR-COOLED	20	105	208	3	22.8	24.2	25	1547	1, 3, 4
145-CU-2	145-CRAC-2	LIEBERT	R-410A	MCL220E1YD	AIR-COOLED	20	105	208	3	22.8	24.2	25	1547	1, 3, 4
145-CU-3	145-CRAC-3	LIEBERT	R-410A	MCL220E1YD	AIR-COOLED	20	105	208	3	22.8	24.2	25	1547	1, 3, 4
145-CU-6	145-CRAC-6	LEIBERT	R-410A	MCS028E1	AIR-COOLED	4	105	208	1	3	3.8	15	183	1, 2, 3
145-CU-7	145-CRAC-7	LEIBERT	R-410A	MCS028E1	AIR-COOLED	4	105	208	1	3	3.8	15	183	1, 2, 3
NOTES: 1. ELECTRICAL DISCONNECT SHALL BE PROVIDED BY DIVISION 23 CONTRACTOR WITH EQUIPMENT, AND SHALL BE FIELD INSTALLED. 2. PROVIDE WITH 24" LEGS. 3. PROVIDE AND ATTACH LABEL TO UNIT WITH SYSTEM AND SPACE SERVED. 4. PROVIDE WITH 60" STAND LEGS, PRE-ECONOMIZER WITH SEPARATE ELECTRICAL CONNECTION 460/3PH/7.0 FLA														

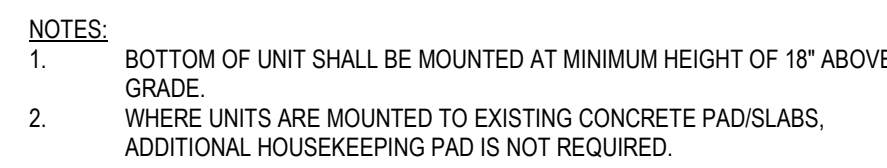
AIR INLETS AND OUTLETS SCHEDULE											
SYMBOL	MANUFACTURER	MODEL	SERVICE	MOUNTING TYPE	MATERIAL	CFM	FACE SIZE (IN)	FINISH	NC	THROW	NOTES
SD-1	TITUS	TMS	SUPPLY	LAY-IN	STEEL	PER PLANS	PER PLANS	PER ARCH	<25	4-WAY	1, 4
SD-2	TITUS	300FL	SUPPLY	CEILING	ALUMINUM	PER PLANS	PER PLANS	PER ARCH	<25	-	3, 4
SD-3	TITUS	TDCR	SUPPLY	LAY-IN	ALUMINUM	PER PLANS	PER PLANS	PER ARCH	<25	4-WAY	5
EG-1	TITUS	50F	EXHAUST	LAY-IN	ALUMINUM	PER PLANS	PER PLANS	PER ARCH	<25	-	2, 4
RG-1	TITUS	50F	RETURN	LAY-IN	ALUMINUM	PER PLANS	PER PLANS	PER ARCH	<25	-	2, 4
NOTES: 1. ADJUSTABLE THROW, OPTIONAL DAMPER FOR BALANCING, BORDER/FRAME TYPE AS REQUIRED FOR MOUNTING. 2. 1/2" EGGRATE CORE, BORDER/FRAME TYPE AS REQUIRED FOR MOUNTING 3. 3/4" BLADE SPACING, DOUBLE DEFLECTIN, FRONT BLADES PARALLEL TO SHORT DIMENSION, INDIVIDUALLY ADJUSTABLE BLADES, FRAME TYPE AS REQUIRED FOR MOUNTING. 4. FURNISH ALL PRODUCTS OF A SINGLE MANUFACTURER. 5. PROVIDE WITH FILTER.											

AIR HANDLING UNIT SCHEDULE																							
SYMBOL	MANUFACTURER	MODEL	COOLING COIL				ELECTRIC HEAT		SUPPLY FAN			ESP (IN. WC)	TSP (IN. WC)	MIN OSA	FILTER EFFICIENCY		MOTOR DATA				WEIGHT (LBS)	NOTES	
			NOMINAL TONS	TOTAL MBH	EWB DEG F	AMBIENT DEG F	KW	CFM	TYPE	ARRANGEMENT	RATING				FILTER SQ FT	VOLT	PHASE	MCA	HP	QTY			
145-RTU-1	TRANE	WHC102H3RVA	8.5	105	67	105	18.0	3400	BELT	FC CENTRIFUGAL	1.10		1.30	30%	MERV 13	13.9	208	3	100	2.75	1	953	1
NOTES: 1. PROVIDE WITH DX COOLING, ECONOMIZER OPERATION, SINGLE POINT ELECTRICAL CONNECTION, PACKAGED DDC CONTROLS, ECONOMIZER HOOD, BAROMETRIC RELIEF HOOD																							

EMERGENCY RELIEF DAMPER									
SYMBOL	MANUFACTURER	MODEL	DUCT SIZE (IN)			SERVICE	NOTES		
			W	H	DIA				
145-ERD-1	GREENHECK	SEBR-40	24	24	-	PRESSURE RELIEF	1		
NOTES: 1. CONFIGURE DAMPER FOR BAROMETRIC PRESSURE RELIEF. SET RELIEF PRESSURE PER RECOMMENDATIONS OF CLEAN AGENT SYSTEM CONTRACTOR.									

PUMP SCHEDULE															
SYMBOL	MANUFACTURER	MODEL	SERVICE	TYPE	FLOW		NPSHR	RPM	ELECTRICAL				MOUNTING	WEIGHT (LBS)	NOTES
					GPM (DESIGN)	GPM (MIN)			HP	W	VOLT	PHASE			
46-P-1	BELL & GOSSET	E-60	BLDG 46	IN-LINE	20	5	20.00	1,725	1/2	208	4	1	INLINE	55	
NOTES:															

PIPING SCHEDULE												
APPLICATION	SIZE RANGE (IN)	LOCATION	MATERIALS	JOINTS/COUPLINGS	FITTINGS	PRESSURE RATING (PSI)	TEMPERATURE RATING	PIPE IDENTIFICATION				NOTES
								TYPE	LETTERING	BACKGROUND	FLOW ARROWS	
CWR/CWS	1/2" - 2"	ALL	COPPER TUBE, ASTM B88, TYPE L	PRESS-FIT, THREADED, FLANGED, SOLDER	WROUGHT COPPER, CAST COPPER ALLOY, CAST BRONZE			SELF ADHESIVE	WHITE	GREEN	X	1,2
CWR/CWS	2-1/2" & LARGER	ALL	CARBON STEEL, ASTM A53B, SCHEDULE STD	GROOVED, THREADED, FLANGED	CARBON STEEL			SELF ADHESIVE	WHITE	GREEN	X	1,2
HWR/HWS	1/2" - 2"	ALL	COPPER TUBE, ASTM B88, TYPE L	PRESS-FIT, THREADED, FLANGED, SOLDER	WROUGHT COPPER, CAST COPPER ALLOY, CAST BRONZE			SELF ADHESIVE	BLACK	YELLOW	X	1,2
HWR/HWS	2-1/2" & LARGER	ALL	CARBON STEEL, ASTM A53B, SCHEDULE STD	GROOVED, THREADED, FLANGED	CARBON STEEL			SELF ADHESIVE	BLACK	YELLOW	X	1,2
WATER SOURCE	1/2" - 2"	ALL	COPPER TUBE, ASTM B88, TYPE L	PRESS-FIT, THREADED, FLANGED, SOLDER	WROUGHT COPPER, CAST COPPER ALLOY, CAST BRONZE			SELF ADHESIVE	BLACK	YELLOW	X	1,2
WATER SOURCE	2-1/2" & LARGER	ALL	CARBON STEEL, ASTM A53B, SCHEDULE STD	GROOVED, THREADED, FLANGED	CARBON STEEL			SELF ADHESIVE	BLACK	YELLOW	X	1,2
CONDENSATE DRAIN	ALL	INTERIOR	COPPER TUBE, ASTM B88, TYPE L	SOLDER, THREADED	CAST BRONZE, CAST COPPER ALLOY, WROUGHT COPPER ALLOY			SELF ADHESIVE	BLACK	YELLOW	-	1,2
REFRIGERANT PIPING	ALL	ALL	COPPER TUBE, ASTM B280, ACR, HARD TEMPER	BRAZED, SOLDERED	WROUGHT COPPER			SELF ADHESIVE	BLACK	YELLOW	-	1
REFRIGERANT LINESETS	ALL	ALL	COPPER TUBE, ASTM B280 OR B1003	BRAZED, SOLDERED	WROUGHT COPPER			SELF ADHESIVE	BLACK	YELLOW	-	1
LPS	ALL	ALL	CARBON STEEL, ASTM A54B OR A106B, SCHEDULE 40	WELDED, THREADED, FLANGED	FORGED STEEL, MALLEABLE IRON	150		SELF ADHESIVE			X	
LPR	ALL	ALL	CARBON STEEL, ASTM A54B OR A106B, SCHEDULE 80	WELDED, THREADED, FLANGED	FORGED STEEL, MALLEABLE IRON	150		SELF ADHESIVE			X	
MPS	ALL	ALL	CARBON STEEL, ASTM A54B OR A106B, SCHEDULE 40	WELDED, THREADED, FLANGED	FORGED STEEL, MALLEABLE IRON	150		SELF ADHESIVE			X	
MPC	ALL	ALL	CARBON STEEL, ASTM A54B OR A106B, SCHEDULE 80	WELDED, THREADED, FLANGED	FORGED STEEL, MALLEABLE IRON	150		SELF ADHESIVE			X	
HN, HWC	ALL	ALL	COPPER TUBE, ASTM B88, TYPE L	SOLDER, THREADED	CAST BRONZE, CAST COPPER ALLOY, WROUGHT COPPER ALLOY			SELF ADHESIVE	BLACK	YELLOW	-	1,2
TEMPERED HW	ALL	ALL	COPPER TUBE, ASTM B88, TYPE L	SOLDER, THREADED	CAST BRONZE, CAST COPPER ALLOY, WROUGHT COPPER ALLOY			SELF ADHESIVE	WHITE	GREEN	-	1,2
CW	ALL	ALL	COPPER TUBE, ASTM B88, TYPE L	SOLDER, THREADED	CAST BRONZE, CAST COPPER ALLOY, WROUGHT COPPER ALLOY			SELF ADHESIVE	WHITE	GREEN	-	1,2
SANITARY DWV	ALL	INTERIOR	PVC, SCHEDULE 40, SOLID WALL, ASTM D-2665	GLUED, ASTM D-2665	PVC, SCHEDULE 40			SELF ADHESIVE	WHITE	GREEN	-	
SANITARY DWV	ALL	EXTERIOR	PVC, SCHEDULE 40, SOLID WALL, ASTM D-2665	GLUED, ASTM D-2665	PVC, SCHEDULE 40			SELF ADHESIVE	WHITE	GREEN	-	
SANITARY DWV	ALL	DIRECT BURIED	PVC, SCHEDULE 40, SOLID WALL, ASTM D-2665	GLUED, ASTM D-2665	PVC, SCHEDULE 40			SELF ADHESIVE	WHITE	GREEN	-	
SANITARY DWV	ALL	ALL	CAST IRON, ASTM A888	HUBLESS, ASTM A888/CISPI 301	CAST IRON, ASTM A888/CISPI 301			SELF ADHESIVE	WHITE	GREEN	-	
ROOF DRAIN	ALL	INTERIOR (CONCEALED)	PVC, SCHEDULE 40, SOLID WALL, ASTM D-2665	GLUED, ASTM D-2665	PVC, SCHEDULE 40			SELF ADHESIVE			-	1
ROOF DRAIN	ALL	INTERIOR (EXPOSED)	PVC, SCHEDULE 40, SOLID WALL, ASTM D-2665	GLUED, ASTM D-2665	PVC, SCHEDULE 40			SELF ADHESIVE			-	1
ROOF DRAIN	ALL	ALL	CAST IRON, ASTM A888	HUBLESS, ASTM A888/CISPI 301	CAST IRON, ASTM A888/CISPI 301			SELF ADHESIVE			-	1



NOTES:

1. BOTTOM OF UNIT SHALL BE MOUNTED AT MINIMUM HEIGHT OF 8" ABOVE ROOF.
2. MANUFACTURER'S UNIT STAND NOT SHOWN ON DETAIL, BUT SHALL BE PROVIDED. STANDS SHALL BE SELECTED TO MEET MINIMUM REQUIRED MOUNTING HEIGHT.
3. JOISTS ARE PARALLEL BELOW UNIT, PROVIDE SOLID BLOCKING IN JOIST SPACE AT 32" ON CENTER & AT EACH END OF SLEEPER CURB.

Diagram illustrating the components and dimensions for a unit mounting bracket:

- 1. MAX. 2 MIN. (Dimension for cable clamp)
- 2. MAX. 1 MIN. (Dimension for cable clamp)
- 1" MAX. (Dimension for loop on cable over wire rope thimble)
- CABLE CLAMP (TYP.)
- LOOP ON CABLE OVER WIRE ROPE THIMBLE. SECURE 3/8" DIA. PIN SHACKLE TO CLIP (TYP.)
- NUTS AND WASHERS (TYP.)
- PLENUM DISCHARGE
- HANGING ROD (TYP.)
- SPRING VIBRATION ISOLATORS (TYP.)
- 1/8" DIA. AIRCRAFT CABLE (TYP.)
- 1/8-GAUGE BENT PLATE, CLIP 1-1/2" X 3/4"
- UNIT MOUNTING BRACKETS (TYP. ALL CORNERS OF EQUIPMENT). PROVIDE DOUBLE NUTS AND WASHERS EACH SIDE OF MOUNTING BRACKET (TYP.)

Diagram illustrating a trap primer connection for a waste line. The diagram shows a vertical pipe with a horizontal branch. The vertical pipe is labeled "1-1/2\" VENT UP". The horizontal branch is labeled "2\" WASTE DOWN". The vertical pipe has a "1\" CONDENSATE DRAIN" at the top. The horizontal branch has a "TRAP PRIMER CONNECTION" on its side. The vertical pipe is labeled "J.R. SMITH FIG. 3955 ALL GAP FITTING OR EQUIV." and the horizontal branch is labeled "2\" WASTE P-TRAP".

Diagram illustrating the components of a sink and drain assembly:

- WALL (E)
- CONDENSATE DRAIN, SIZE PER PLANS
- VENT (E)
- SLIP JOINT NUT AND SEAL
- CONDENSATE CONNECTION
- PLUMBING FIXTURE (E)
- P-TRAP (E)
- ESCUTCHEON
- CLEANOUT (E)

Diagram illustrating the installation of a supply duct with spring vibration isolators and hanger straps.

Labels and components shown:

- SPRING VIBRATION ISOLATORS
- 16 GAUGE x 1" WIDE HANGER STRAP.
- SUPPLY DUCT. SEE PLANS FOR DUCT SIZE.
- SECURE EACH STRAP TO DUCT WITH (2) #10 SELF TAPPING SHEET METAL SCREWS.
- SECURE EACH STRAP TO DUCT WITH (2) #10 SELF TAPPING SHEET METAL SCREWS.
- SUPPLY DUCT. SEE PLANS FOR DUCT SIZE.

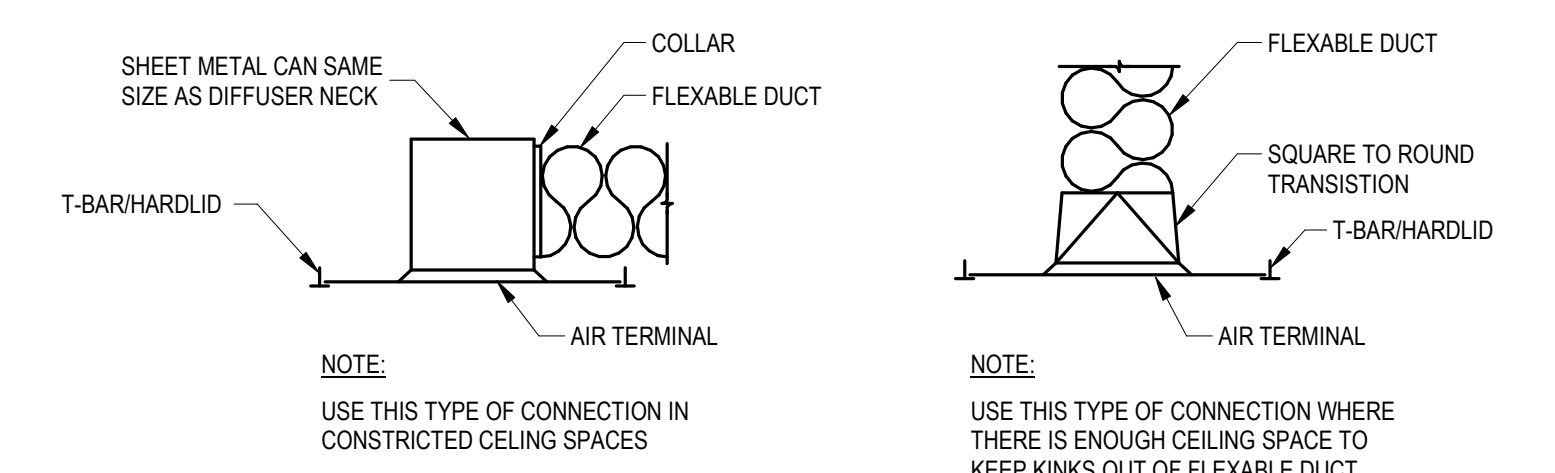
Diagram illustrating the placement of sensors and wiring within a data cabinet:

- FRONT/TOP TEMPERATURE SENSOR (CENTERED, MAXIMUM 1' FROM TOP OF CABINET)
- TEMPERATURE & HUMIDITY SENSOR (4' +/-6" FROM BOTTOM OF CABINET)
- FRONT/BOTTOM TEMPERATURE SENSOR (CENTERED, MAXIMUM 1' FROM BOTTOM OF CABINET)
- SENSOR WIRING
- VERTICAL PDU
- REAR TOP TEMPERATURE SENSOR (CENTERED, MAXIMUM 1' FROM TOP OF CABINET)
- SENSOR WIRING (TYP)
- DATA CABINET
- SMART CONTROLLER POWER CONNECTION FROM PDU
- SMART CONTROLLER UNIT

NOTES:

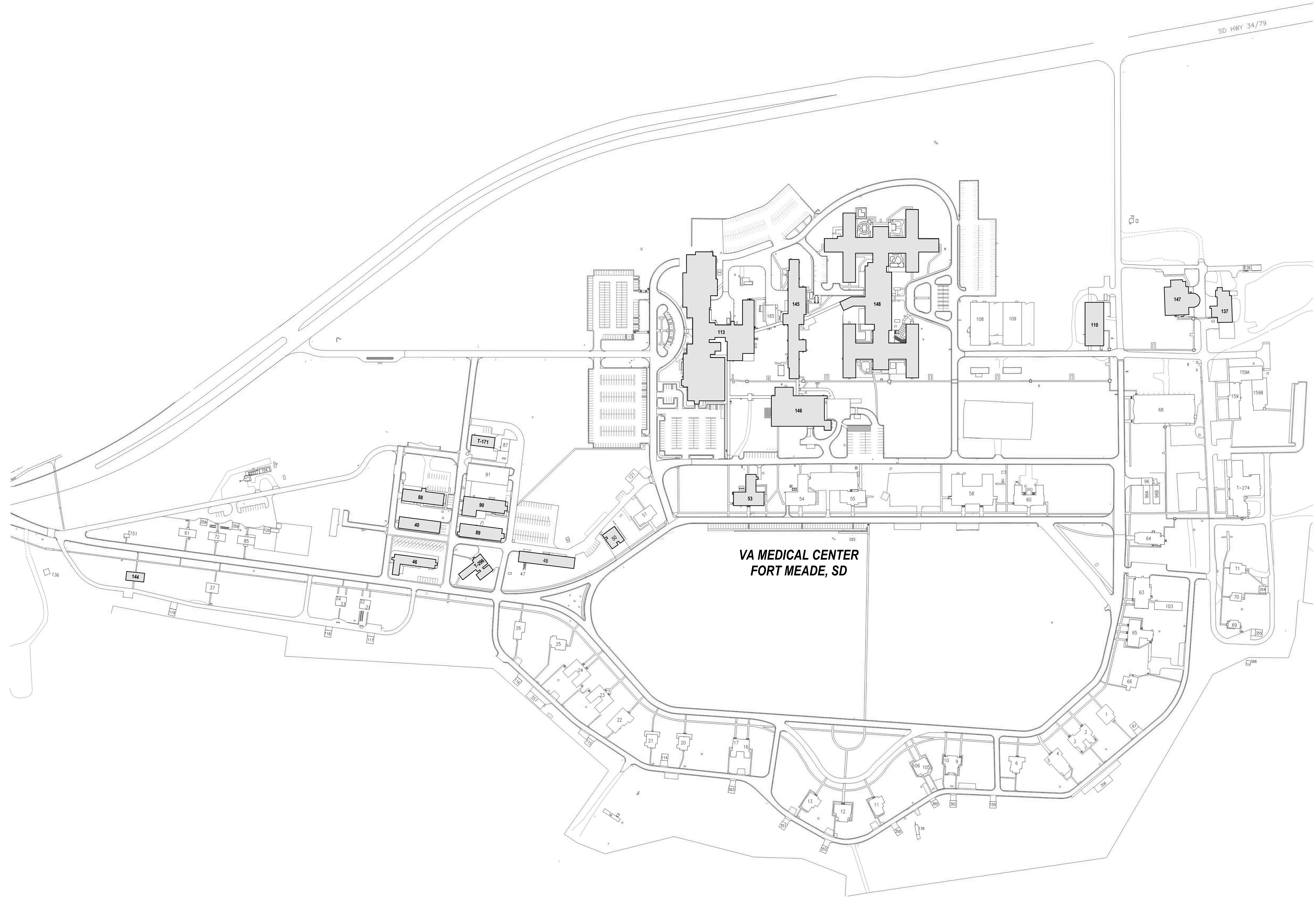
1. ATTACH SENSORS TO DATA CABINET/TRACK. DO NOT ATTACH TO CABINET DOOR.
2. SENSORS SHALL CONNECT TO SMART CONTROLLER UNIT LOCATED IN CABINET.
3. SENSORS & SMART CONTROLLER UNIT SHALL BE PROVIDED BY DIVISION 23 CONTRACTOR AS PART OF DATA CENTER COOLING OPTIMIZATION SYSTEM.
4. SMART CONTROLLER UNIT SHALL BE CONNECTED TO FACILITY DCDC SYSTEM VIA FIBER ETHERNET NETWORK & DCS SYSTEM.
5. SENSORS SHALL BE PROVIDED BY OCCO SYSTEM.
6. SMART CONTROLLER UNIT MAY BE LOCATED ANYWHERE IN DATA CABINET (FRONT OR BACK). COORDINATE WITH TELCOM CONTRACTOR FOR AVAILABLE SPACE/LOCATION IN EACH MONITORED CABINET.
7. SMART CONTROLLER UNIT SHALL BE POWERED FROM RACK VERTICAL POWER DISTRIBUTION UNIT (PDU).

PROJECT NUMBER
568-21-701
BUILDING NUMBER
DRAWING NUMBER
MG-004



1 AIR TERMINAL DETAIL

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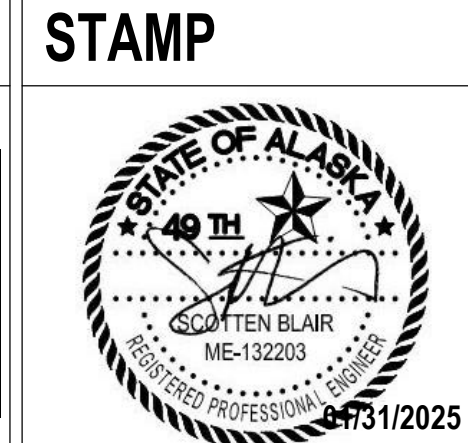
1 Site Plan
NOT TO SCALE



Revisions:	Date:

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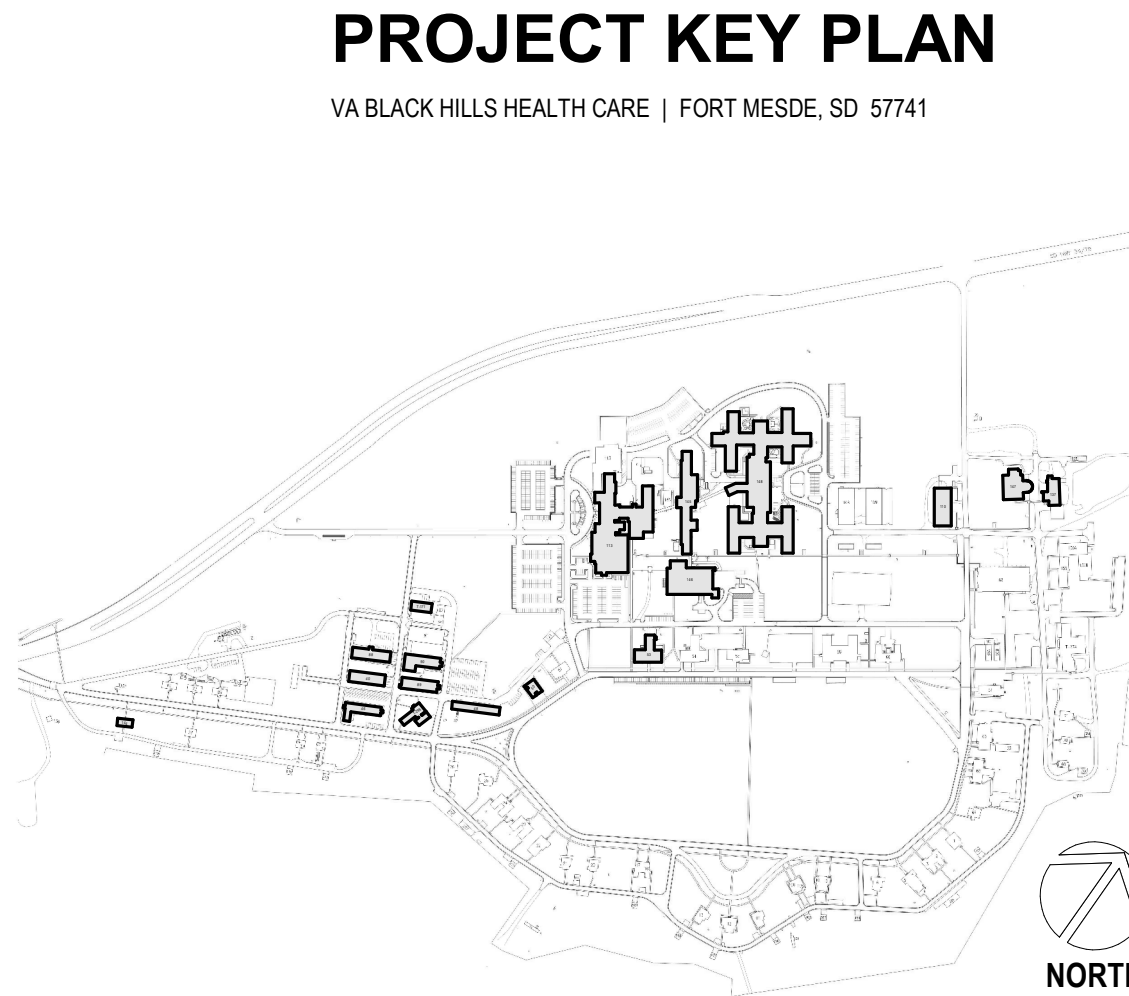
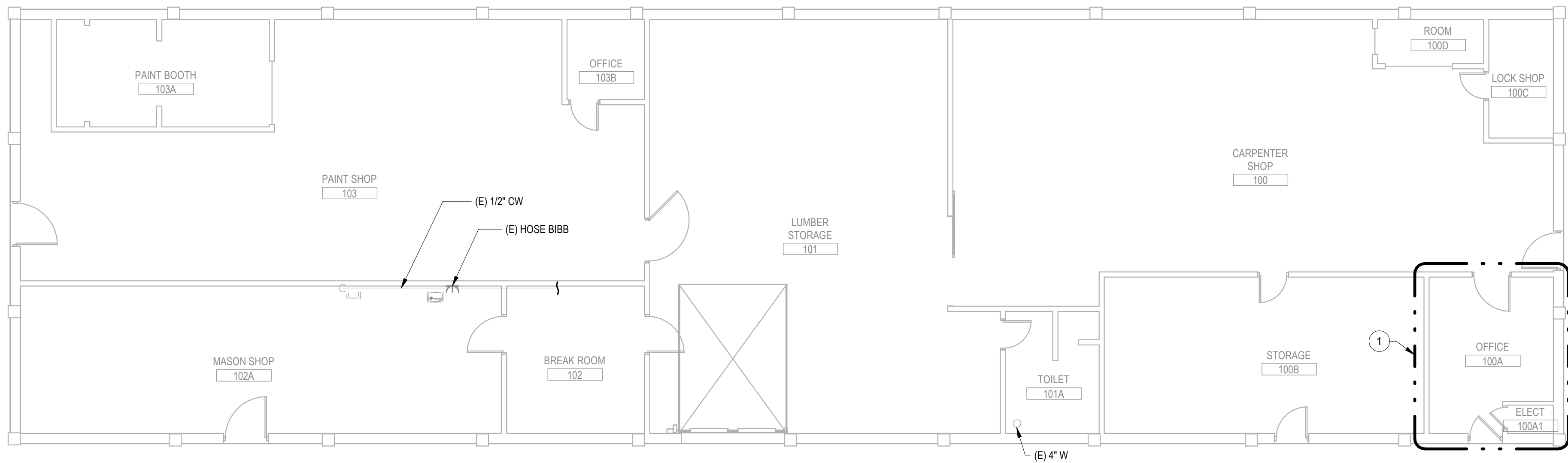
DRAWING TITLE
MECHANICAL SITE PLAN
APPROVED:
NOT FOR CONSTRUCTION
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PHASE
100% CONSTRUCTION
DOCUMENTS
FLS
FULLY SPRINKLERED

PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES
LOCATION
FORT MEADE, SOUTH DAKOTA
ISSUE DATE
01/31/2025
CHECKED BY
ADR
DRAWN BY
AF

PROJECT NUMBER
568-21-701
BUILDING NUMBER
DRAWING NUMBER
000-MH-001

PLAN NOTES
1 APPROXIMATE OUTLINE OF NEW TE AREA. SEE REMODEL SHEETS FOR ALL DISCIPLINES FOR ADDITIONAL INFORMATION.



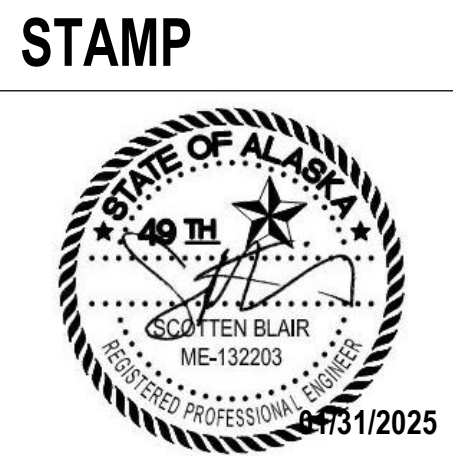
1 BUILDING 040 - FIRST FLOOR DEMOLITION PLAN - OVERALL
1/8" = 1'-0"



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DRAWING TITLE
**040 - MECHANICAL DEMOLITION -
OVERALL**

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UPGRADES

LOCATION
FORT MEADE, SOUTH DAKOTA

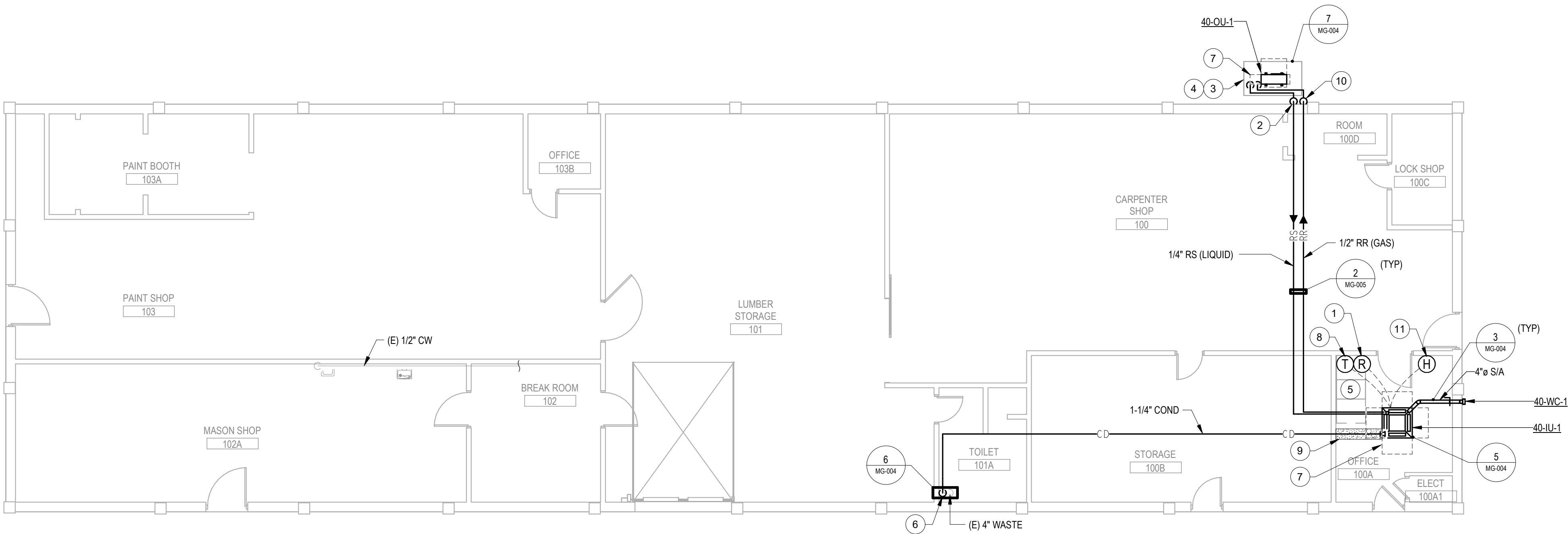
ISSUE DATE
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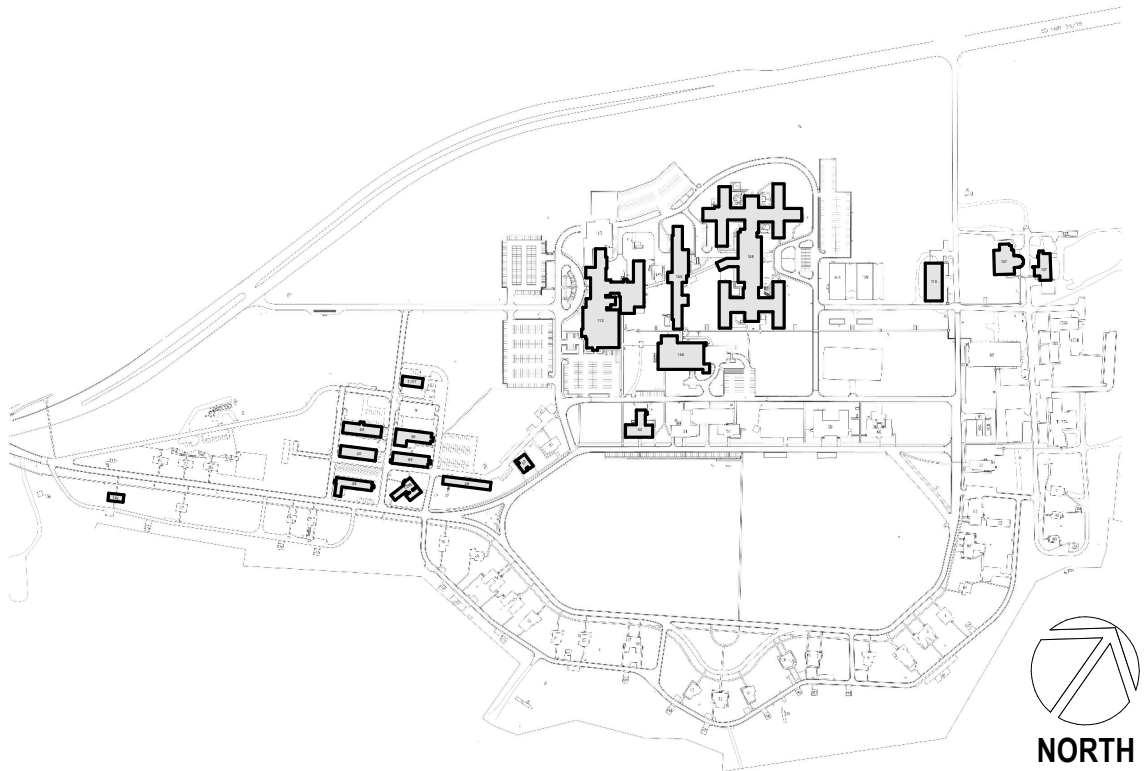
PROJECT NUMBER
568-21-701
BUILDING NUMBER
BDLG 40
DRAWING NUMBER
040-MD-011

- PLAN NOTES
1. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
 2. SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
 3. COORDINATE WITH CIVIL FOR EXTERIOR HOUSEKEEPING PAD DETAILS FOR OUTDOOR CONDENSING UNIT.
 4. REFER TO ARCHITECTURAL DOCUMENTS FOR CONDENSING UNIT PAD, SNOW PROTECTION AND STAND DETAILS.
 5. WALL MOUNTED CABINET.
 6. ROUTE 3/4" CONDENSATE DOWN WALL TO NEW AIR GAP FITTING AT EXISTING 4" WASTE PIPE. PROVIDE WALL ACCESS HATCH.
 7. EQUIPMENT SERVICE CLEARANCE (TYP).
 8. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
 9. PROVIDE WELDED SEAMLESS STAINLESS STEEL DRIP PAN BELOW ALL PIPING CONVEYING FLUIDS ABOVE TR AREA. DRIP PANS SHALL EXTEND 6" MIN FROM BOTH SIDES OF PIPE. PROVIDE 3/4" DRAIN FROM DRIP PAN AND ROUTE SIMILAR TO IU CONDENSATE DRAIN.
 10. REFRIGERANT PIPING ROUTED DOWN EXTERIOR WALL TO CONDENSING UNIT.
 11. PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.



PROJECT KEY PLAN

VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



1 BUILDING 040 - FIRST FLOOR REMODEL PLAN - OVERALL
1/8" = 1'-0"



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040 - MECHANICAL REMODEL -
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DOCUMENTS

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PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES

LOCATION
FORT MEADE, SOUTH DAKOTA

ISSUE DATE
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JNB

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ADR

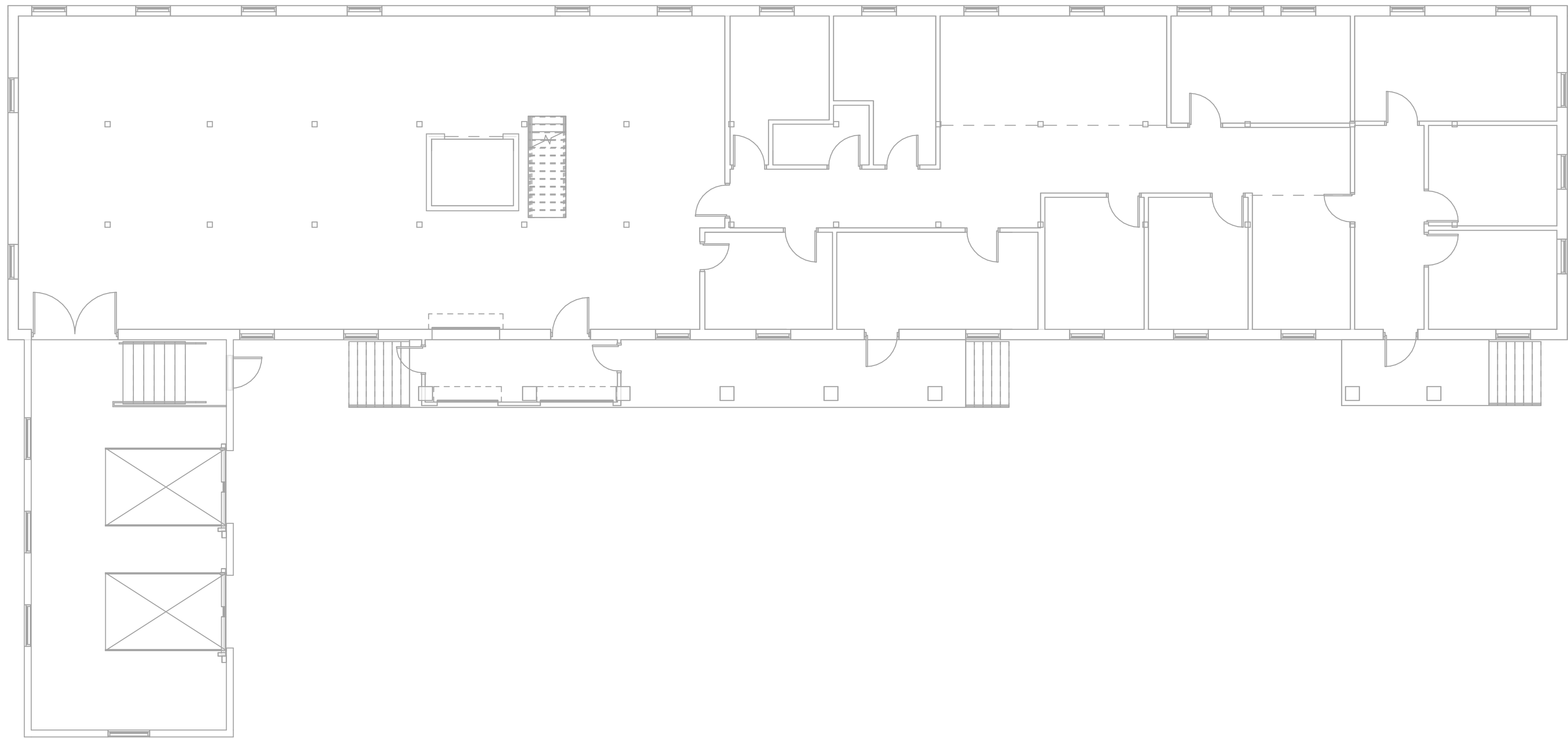
PROJECT NUMBER
568-21-701
BUILDING NUMBER
BLDG 40

DRAWING NUMBER
040-MH-011

- PLAN NOTES**
- 1 APPROXIMATE OUTLINE OF NEW TE AREA. SEE REMODEL SHEETS FOR ALL DISCIPLINES FOR ADDITIONAL INFORMATION.
 - 2 ALL HVAC/PLUMBING EQUIPMENT AND PIPING CONVEYING FLUIDS IN THIS AREA SHALL BE RE-ROUTED OUTSIDE OF THIS AREA.



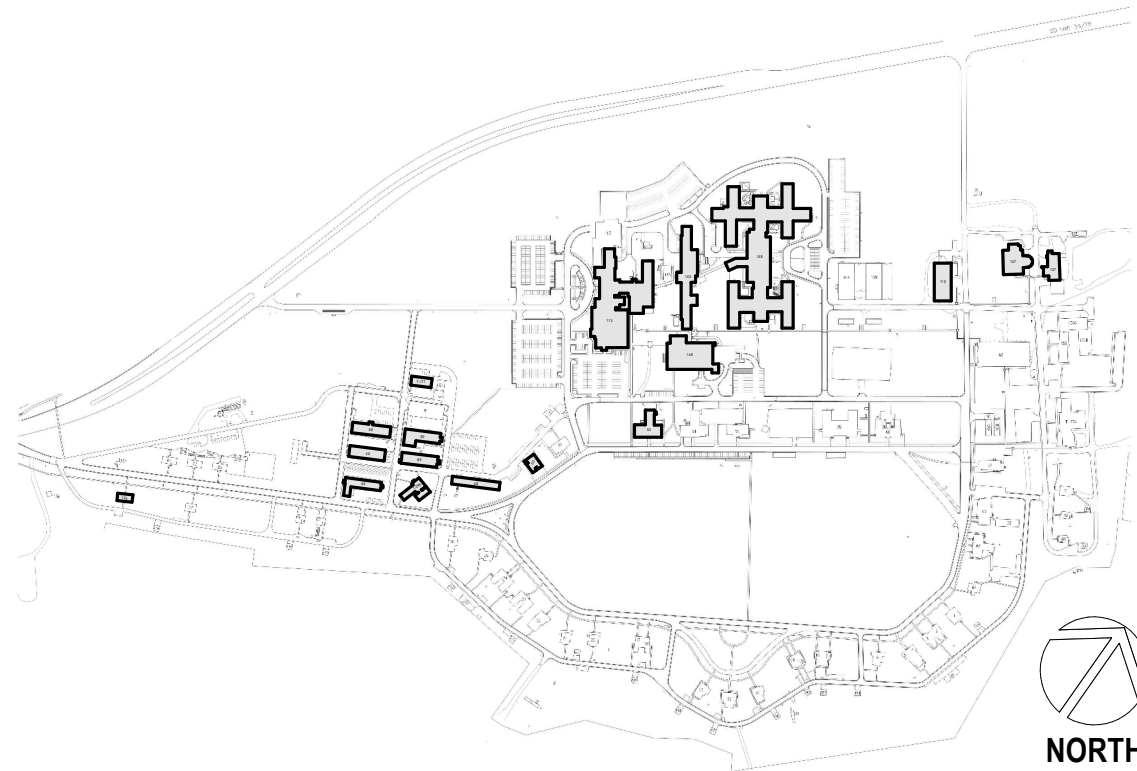
1 BUILDING 46 - BASEMENT DEMOLITION PLAN - OVERALL
1/8" = 1'-0"



2 BUILDING 046 - FIRST FLOOR DEMOLITION PLAN - OVERALL
1/8" = 1'-0"



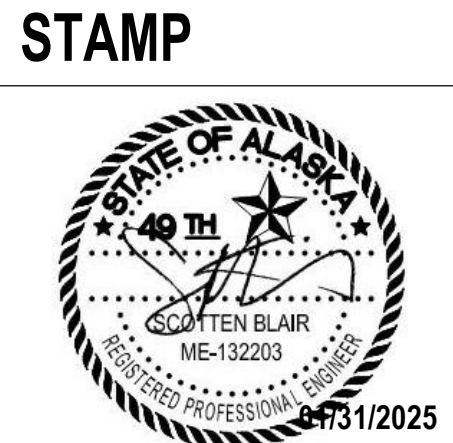
PROJECT KEY PLAN
VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



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OVERALL
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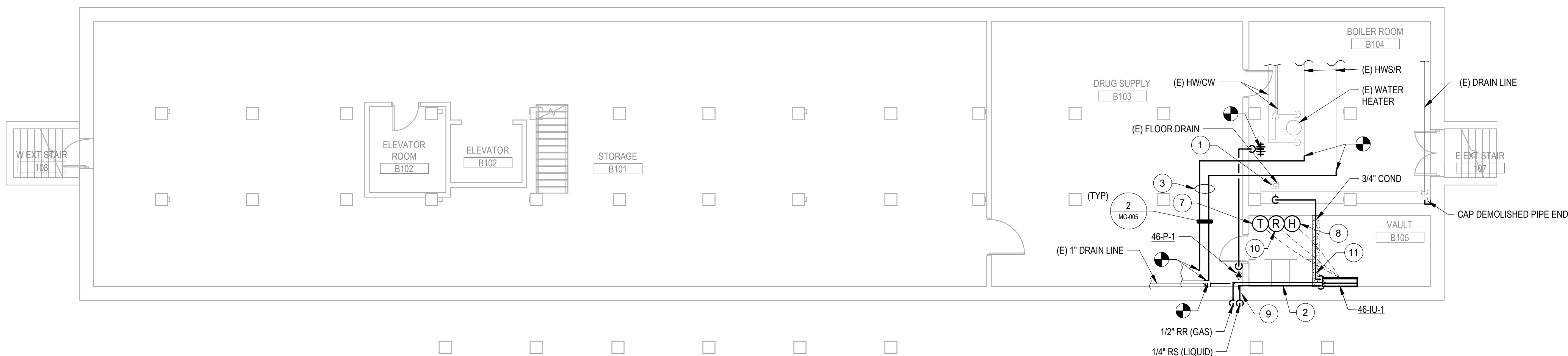
PHASE
100% CONSTRUCTION
DOCUMENTS
FLS
FULLY SPRINKLERED

PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES
LOCATION
FORT MEADE, SOUTH DAKOTA
ISSUE DATE
01/31/2025
CHECKED BY
JNB
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ADR

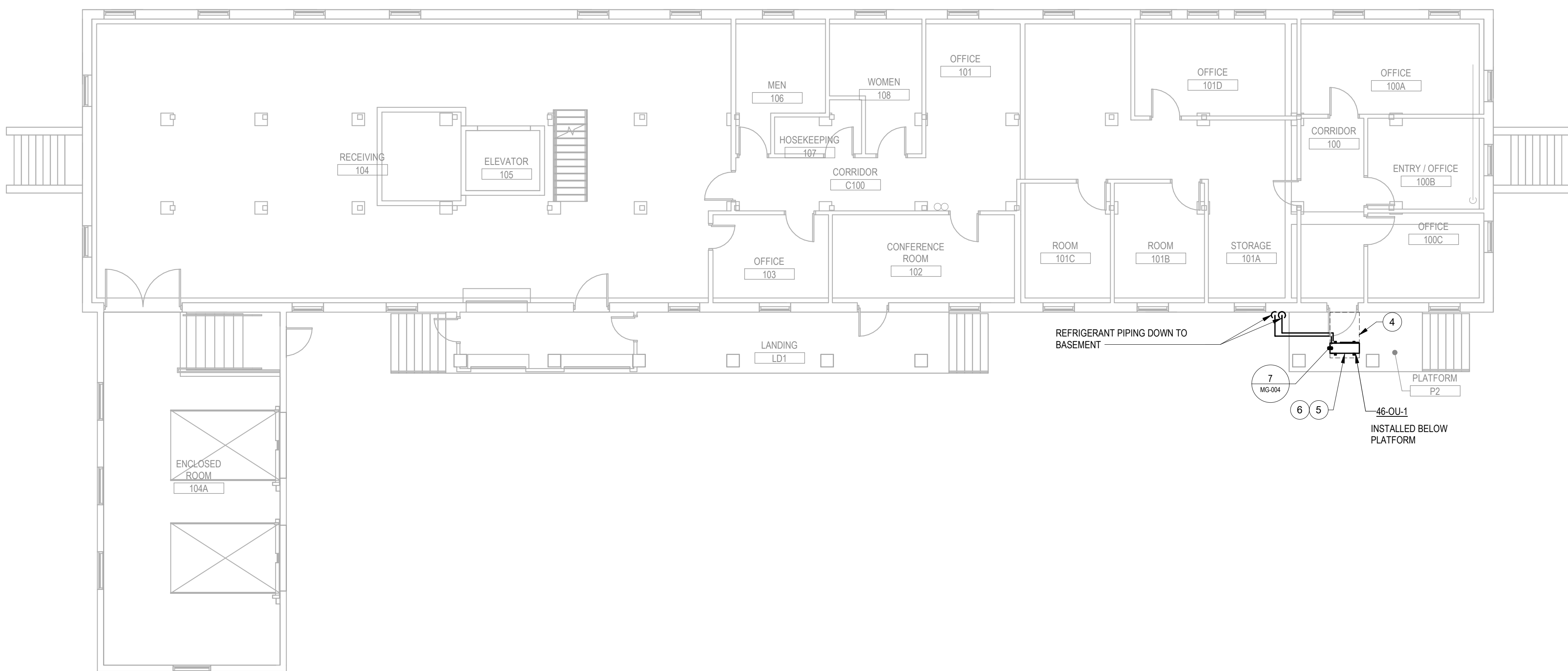
PROJECT NUMBER
568-21-701
BUILDING NUMBER
BLDG 46
DRAWING NUMBER
046-MD-011

PLAN NOTES

- 1 ROUTE 3/4" CONDENSATE DOWN WALL AND OVER TO EXISTING FLOOR DRAIN.
- 2 WALL MOUNTED CABINET.
- 3 REROUTE (E) HEATING WATER SUPPLY/RETURN OUT FROM ABOVE NEW DATA CABINET.
- 4 EQUIPMENT SERVICE CLEARANCE (TYP).
- 5 REFER TO ARCHITECTURAL DOCUMENTS FOR CONDENSING UNIT PAD, SNOW PROTECTION AND STAND DETAILS.
- 6 COORDINATE WITH CIVIL FOR EXTERIOR HOUSEKEEPING PAD DETAILS FOR OUTDOOR CONDENSING UNIT.
- 7 PROVIDE NEW THERMOSTAT INSTALLED AT 4'-8" AFF.
- 8 PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
- 9 SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
- 10 INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
- 11 PROVIDE WELDED SEAMLESS STAINLESS STEEL DRIP PAN BELOW ALL PIPING CONVEYING FLUIDS ABOVE TR AREA. DRIP PANS SHALL EXTEND 6" MIN FROM BOTH SIDES OF PIPE. PROVIDE 3/4" DRAIN FROM DRIP PAN AND ROUTE SIMILAR TO IU CONDENSATE DRAIN.



1 BUILDING 046 - BASEMENT REMODEL PLAN - OVERALL
1/8" = 1'-0"

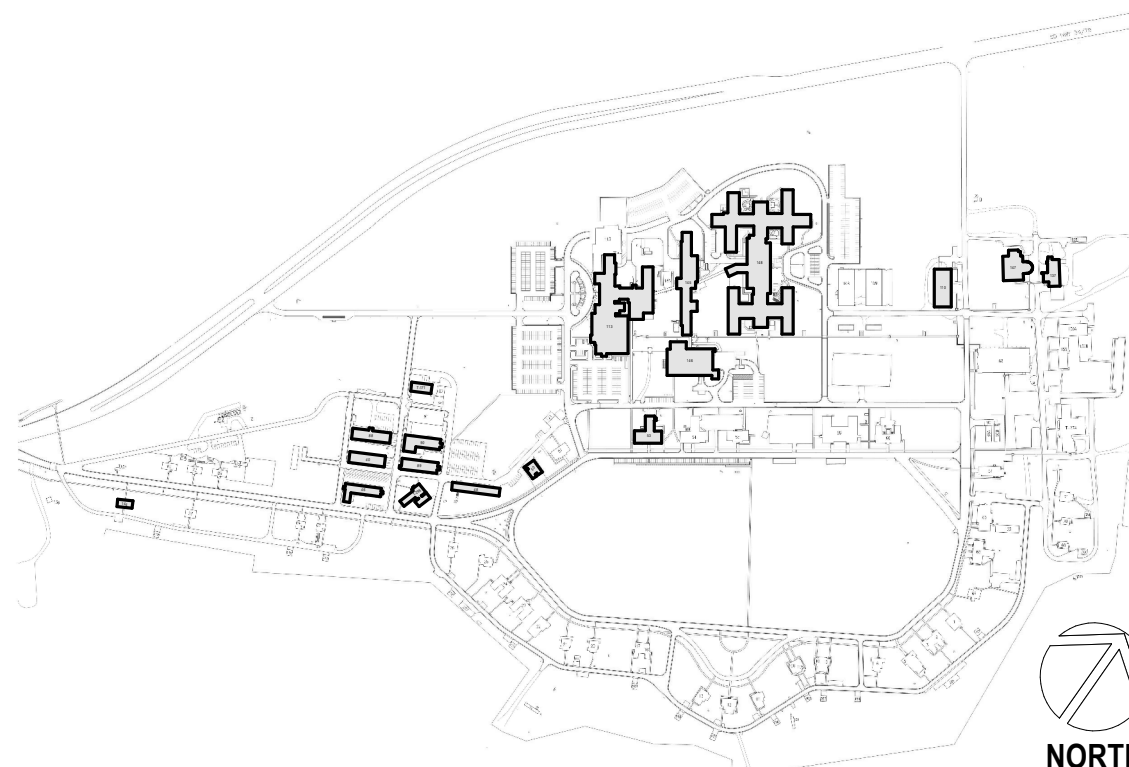


2 BUILDING 046 - FIRST FLOOR REMODEL PLAN - OVERALL
1/8" = 1'-0"



PROJECT KEY PLAN

VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



Revisions:	Date:

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OFFICE OF
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AND FACILITIES
MANAGEMENT

U.S. Department
of Veterans Affairs

DRAWING TITLE

046 - MECHANICAL REMODEL -
OVERALL

APPROVED:

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PHASE

100% CONSTRUCTION
DOCUMENTS

FLS

FULLY SPRINKLERED

PROJECT TITLE

EHRM INFRASTRUCTURE
UPGRADES

LOCATION

FORT MEADE, SOUTH DAKOTA

ISSUE DATE

01/31/2025

CHECKED BY

JNB

DRAWN BY

ADR

PROJECT NUMBER

568-21-701

BUILDING NUMBER

BLDG 46

DRAWING NUMBER

046-MH-011

Revisions:

Date:

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STATE OF ALABAMA

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06/03/2024

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PROFESSIONAL SEAL

OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT

VA

U.S. Department of Veterans Affairs

DRAWING TITLE

048 - MECHANICAL DEMOLITION - OVERALL

APPROVED:

PHASE

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FLS

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PROJECT TITLE

EHRM INFRASTRUCTURE UPGRADES

LOCATION

FORT MEADE, SOUTH DAKOTA

ISSUE DATE

05/03/2024

CHECKED BY

ADR

DRAWN BY

AF

PROJECT NUMBER

568-21-701

BUILDING NUMBER

BLDG 048

DRAWING NUMBER

048-MD-011

A

B

C

D

E

F

PLAN NOTES

- 1 SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
- 2 REFER TO ARCHITECTURAL DOCUMENTS FOR CONDENSING UNIT PAD, SNOW PROTECTION AND STAND DETAILS.
- 3 ROUTE 3/4" CONDENSATE TO NEW INDIRECT DRAIN AT EXISTING WASTE.
- 4 COORDINATE WITH CIVIL FOR EXTERIOR HOUSEKEEPING PAD DETAILS FOR OUTDOOR CONDENSING UNIT.
- 5 INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
- 6 WALL MOUNTED CABINET.
- 7 PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
- 8 PROVIDE WELDED SEAMLESS STAINLESS STEEL DRIP PAN BELOW ALL PIPING CONVEYING FLUIDS ABOVE TR AREA. DRIP PANS SHALL EXTEND 6" MIN FROM BOTH SIDES OF PIPE. PROVIDE 3/4" DRAIN FROM DRIP PAN AND ROUTE SIMILAR TO 10 CONDENSATE DRAIN.
- 9 REFRIGERANT PIPING ROUTED DOWN EXTERIOR WALL TO CONDENSING UNIT.
- 10 PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
- 11 EQUIPMENT SERVICE CLEARANCE (TYP).

A

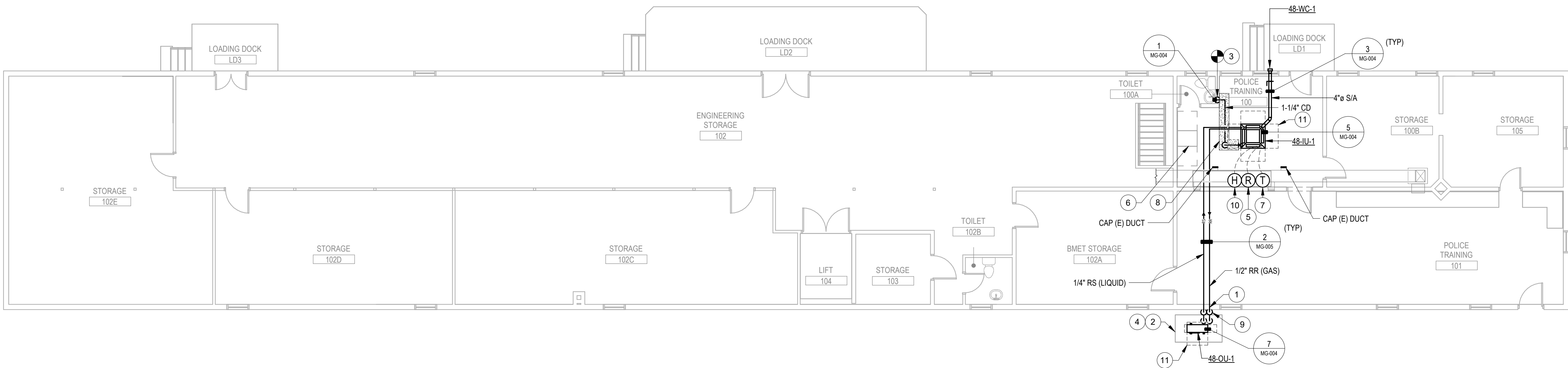
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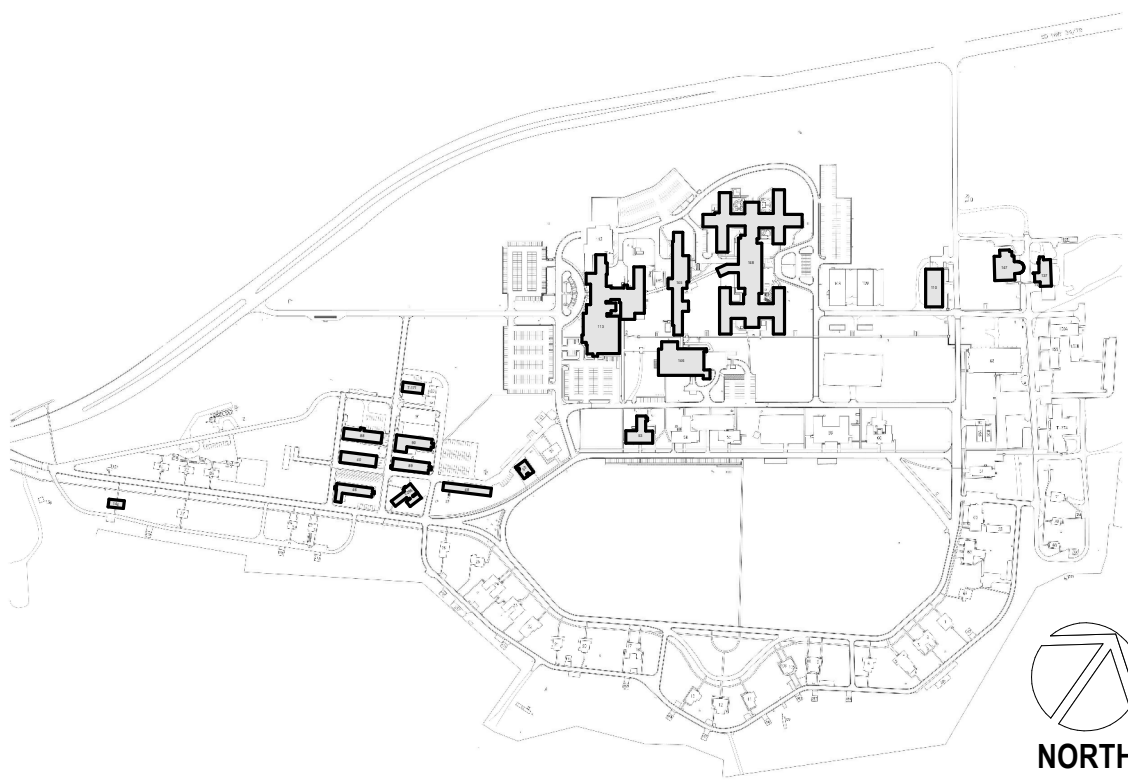
E

F



PROJECT KEY PLAN

VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 5741



1 BUILDING 048 - FIRST FLOOR REMODEL PLAN - OVERALL
1/8" = 1'-0"



Revisions:	Date:

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**OFFICE OF
CONSTRUCTION
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MANAGEMENT**
VA U.S. Department
of Veterans Affairs

DRAWING TITLE
048 - MECHANICAL REMODEL -
OVERALL
APPROVED:
**NOT FOR CONSTRUCTION
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PHASE
100% CONSTRUCTION
DOCUMENTS
FLS
FULLY SPRINKLERED

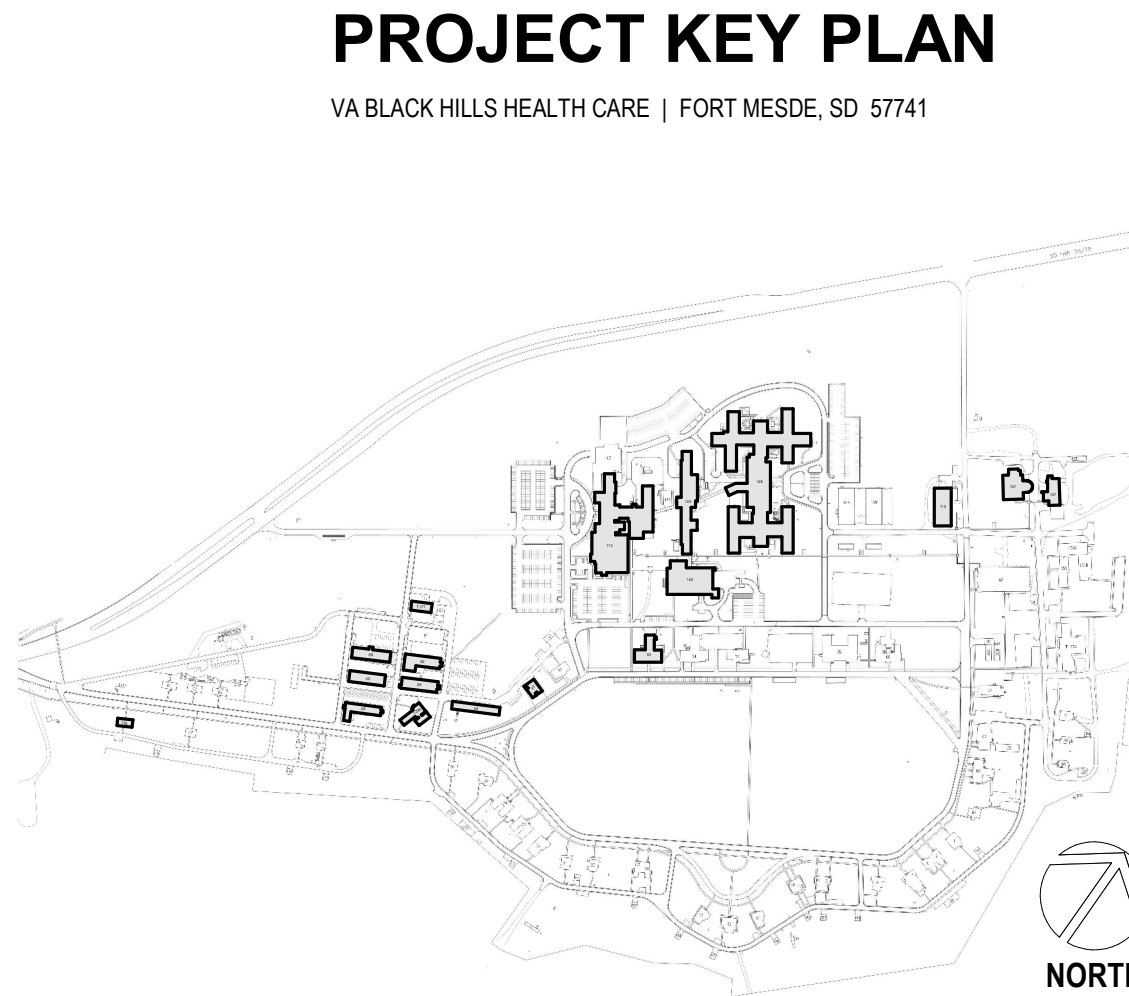
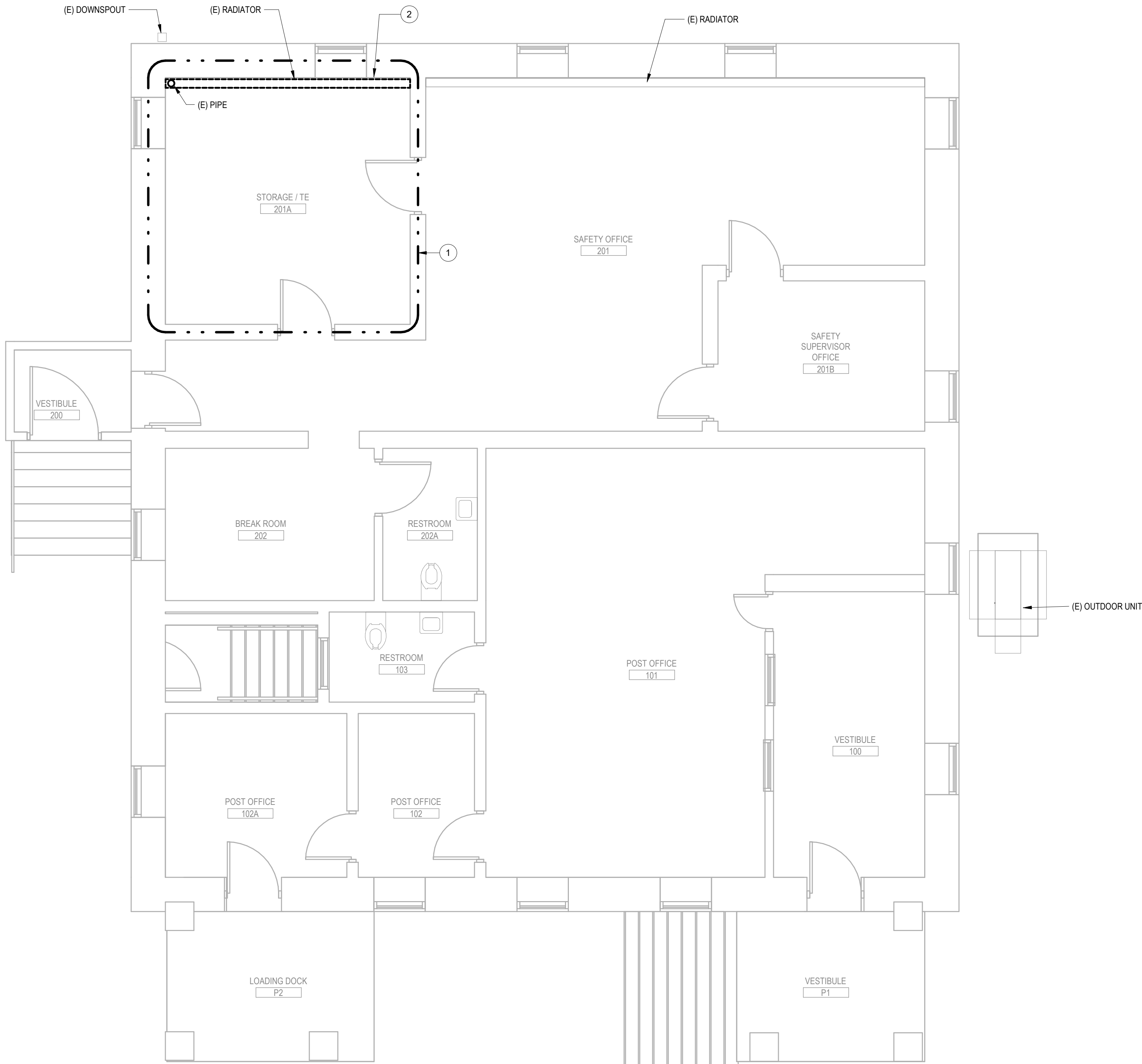
PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES
LOCATION
FORT MEADE, SOUTH DAKOTA
ISSUE DATE
01/31/2025
CHECKED BY
ADR
DRAWN BY
AF

PROJECT NUMBER
568-21-701
BUILDING NUMBER
BLDG 48
DRAWING NUMBER
048-MH-011

- PLAN NOTES
- 1

APPROXIMATE OUTLINE OF NEW TE AREA. SEE REMODEL SHEETS FOR ALL DISCIPLINES FOR ADDITIONAL INFORMATION.
- 2

EXISTING RADIATOR. CONTRACTOR TO DEMOLISH OUT OF SPACE AND RECONNECT EXISTING EQUIPMENT.




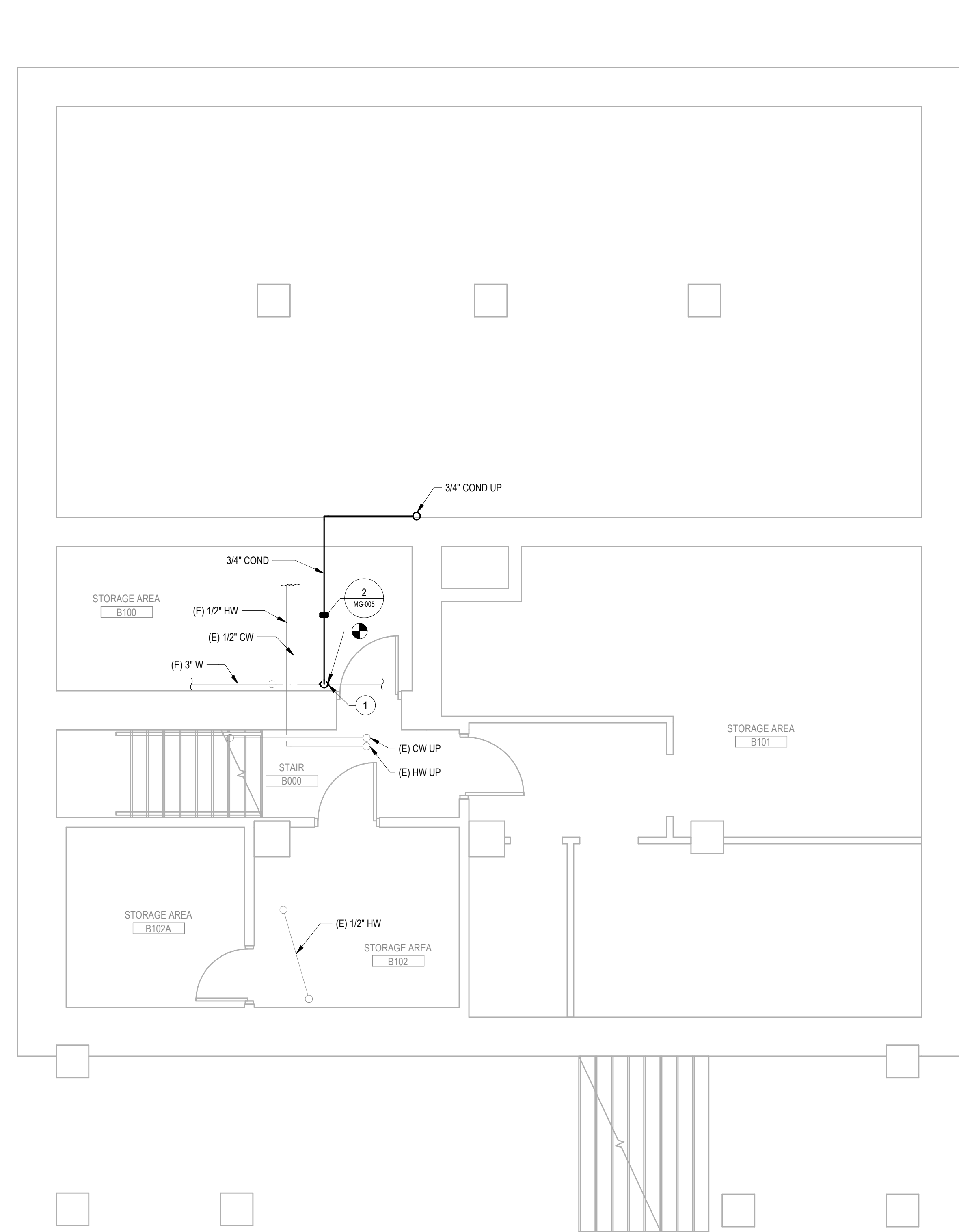
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BUILDING 050 - FIRST FLOOR DEMOLITION PLAN - OVERALL

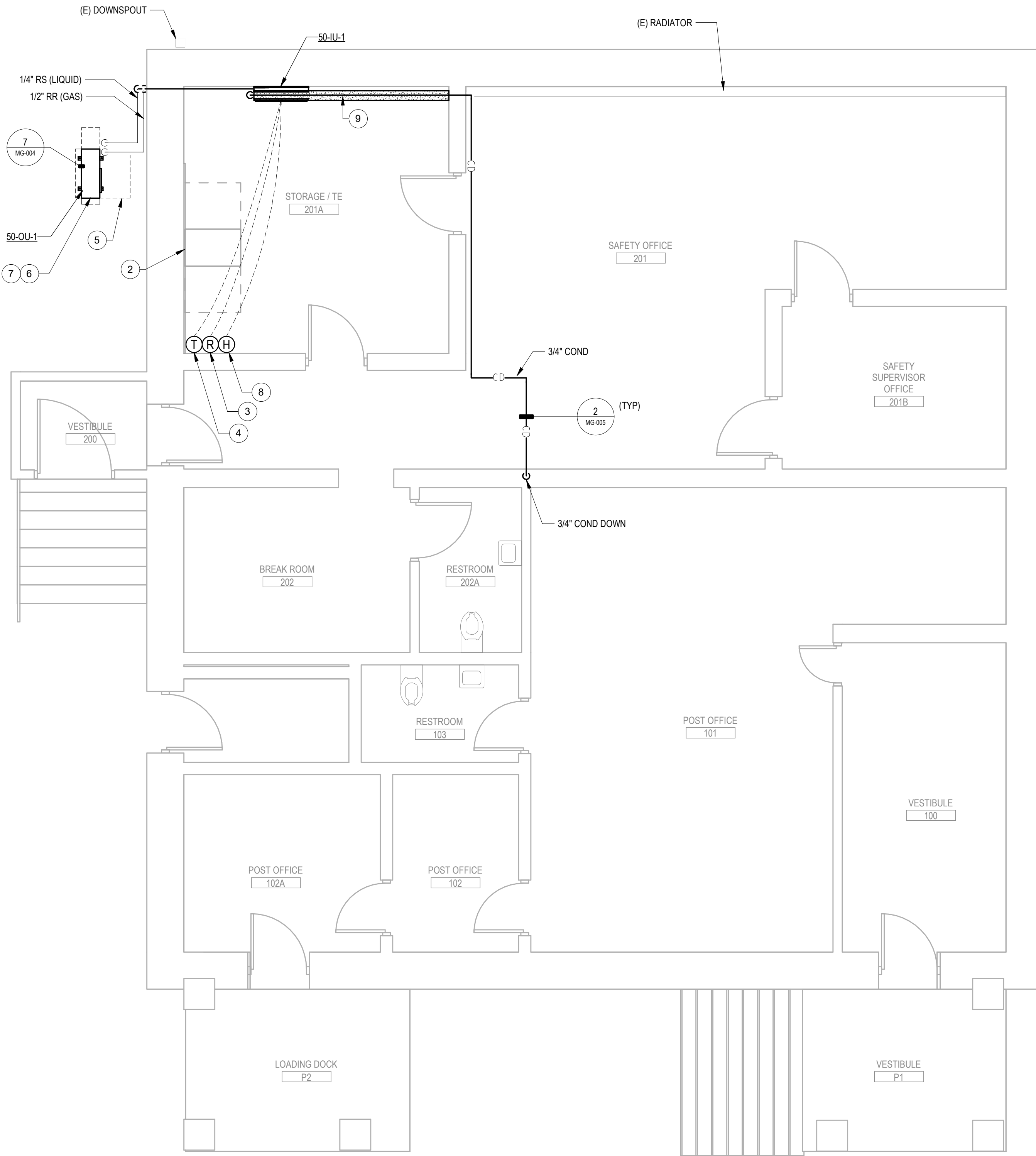
1/4" = 1'-0"

NORTH

		CONSULTANT MECHANICAL ENGINEER GDM 4317 6TH AVE SE, SUITE 300 LACEY, WA 98503 541.436.4723 SCOTTEN BLAIR, P.E.	ARCHITECT/ENGINEER OF RECORD A/E GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 ADAM GODDIN, P.E.	STAMP 	OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT VA U.S. Department of Veterans Affairs	DRAWING TITLE 050 - MECHANICAL DEMOLITION - OVERALL APPROVED: NOT FOR CONSTRUCTION FOR OFFICIAL USE ONLY (FOUO)	PHASE 100% CONSTRUCTION DOCUMENTS FLS FULLY SPRINKLERED	PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES LOCATION FORT MEADE, SOUTH DAKOTA <table><tr><td>ISSUE DATE 01/31/2025</td><td>CHECKED BY ADR</td><td>DRAWN BY AF</td></tr></table>	ISSUE DATE 01/31/2025	CHECKED BY ADR	DRAWN BY AF	<table><tr><td>PROJECT NUMBER 568-21-701</td></tr><tr><td>BUILDING NUMBER BLDG 50</td></tr><tr><td>DRAWING NUMBER 050-MD-011</td></tr></table>	PROJECT NUMBER 568-21-701	BUILDING NUMBER BLDG 50	DRAWING NUMBER 050-MD-011
ISSUE DATE 01/31/2025	CHECKED BY ADR	DRAWN BY AF													
PROJECT NUMBER 568-21-701															
BUILDING NUMBER BLDG 50															
DRAWING NUMBER 050-MD-011															
Revisions:		Date:													



1 BUILDING 050 - BASEMENT REMODEL PLAN - OVERALL
1/4" = 1'-0"



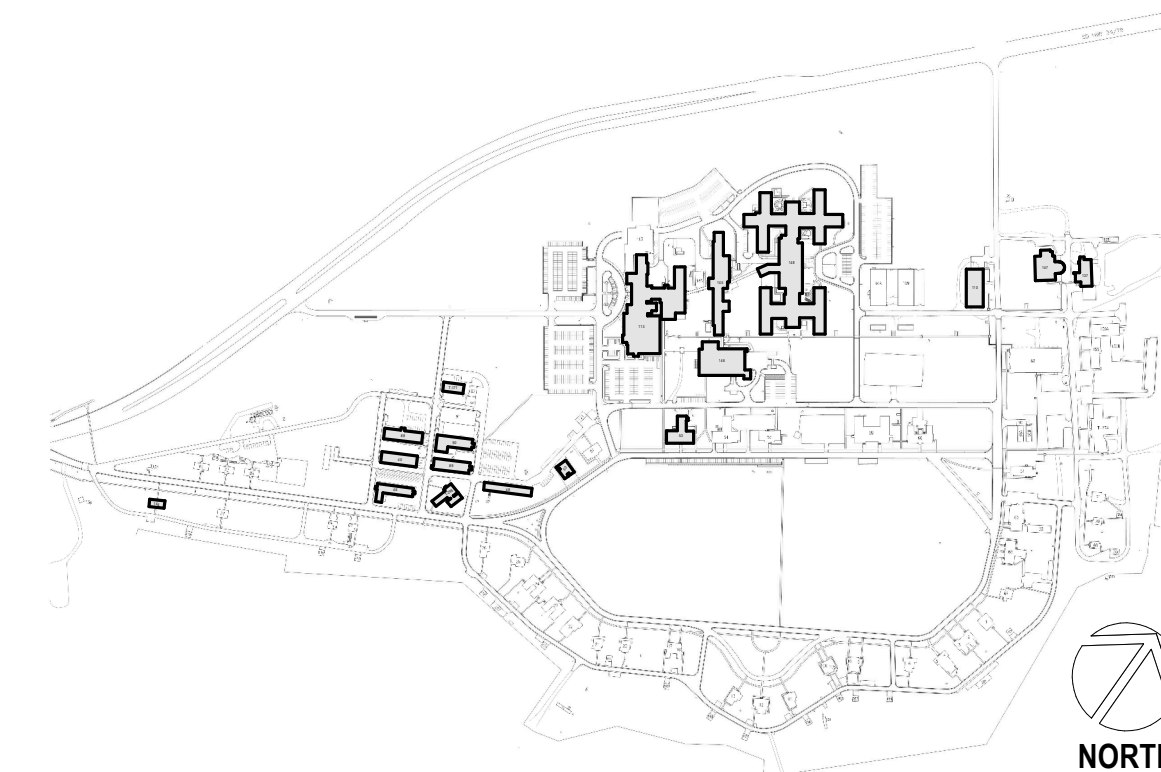
2 BUILDING 050 - FIRST FLOOR REMODEL PLAN - OVERALL
1/4" = 1'-0"

PLAN NOTES

- 1 ROUTE 3/4" CONDENSATE TO NEW INDIRECT DRAIN AT EXISTING WASTE.
- 2 WALL MOUNTED CABINET.
- 3 INSTALL REFRIGERANT DETECTOR 12' FROM FINISHED FLOOR.
- 4 PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
- 5 EQUIPMENT SERVICE CLEARANCE (TYP).
- 6 REFER TO ARCHITECTURAL DOCUMENTS FOR CONDENSING UNIT PAD, SNOW PROTECTION AND STAND DETAILS.
- 7 COORDINATE WITH CIVIL FOR EXTERIOR HOUSEKEEPING PAD DETAILS FOR OUTDOOR CONDENSING UNIT.
- 8 PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
- 9 PROVIDE WELDED SEAMLESS STAINLESS STEEL DRIP PAN BELOW ALL PIPING CONVEYING FLUIDS ABOVE TR AREA. DRIP PANS SHALL EXTEND 6" MIN FROM BOTH SIDES OF PIPE. PROVIDE 3/4" DRAIN FROM DRIP PAN AND ROUTE SIMILAR TO IU CONDENSATE DRAIN.

PROJECT KEY PLAN

VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



Revisions:	Date:

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MANAGEMENT



U.S. Department
of Veterans Affairs

DRAWING TITLE

050 - MECHANICAL REMODEL -
OVERALL

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PHASE

100% CONSTRUCTION
DOCUMENTS

FLS

FULLY SPRINKLERED

PROJECT TITLE

EHRM INFRASTRUCTURE
UPGRADES

LOCATION

FORT MEADE, SOUTH DAKOTA

ISSUE DATE
01/31/2025

CHECKED BY
ADR

DRAWN BY
AF

PROJECT NUMBER

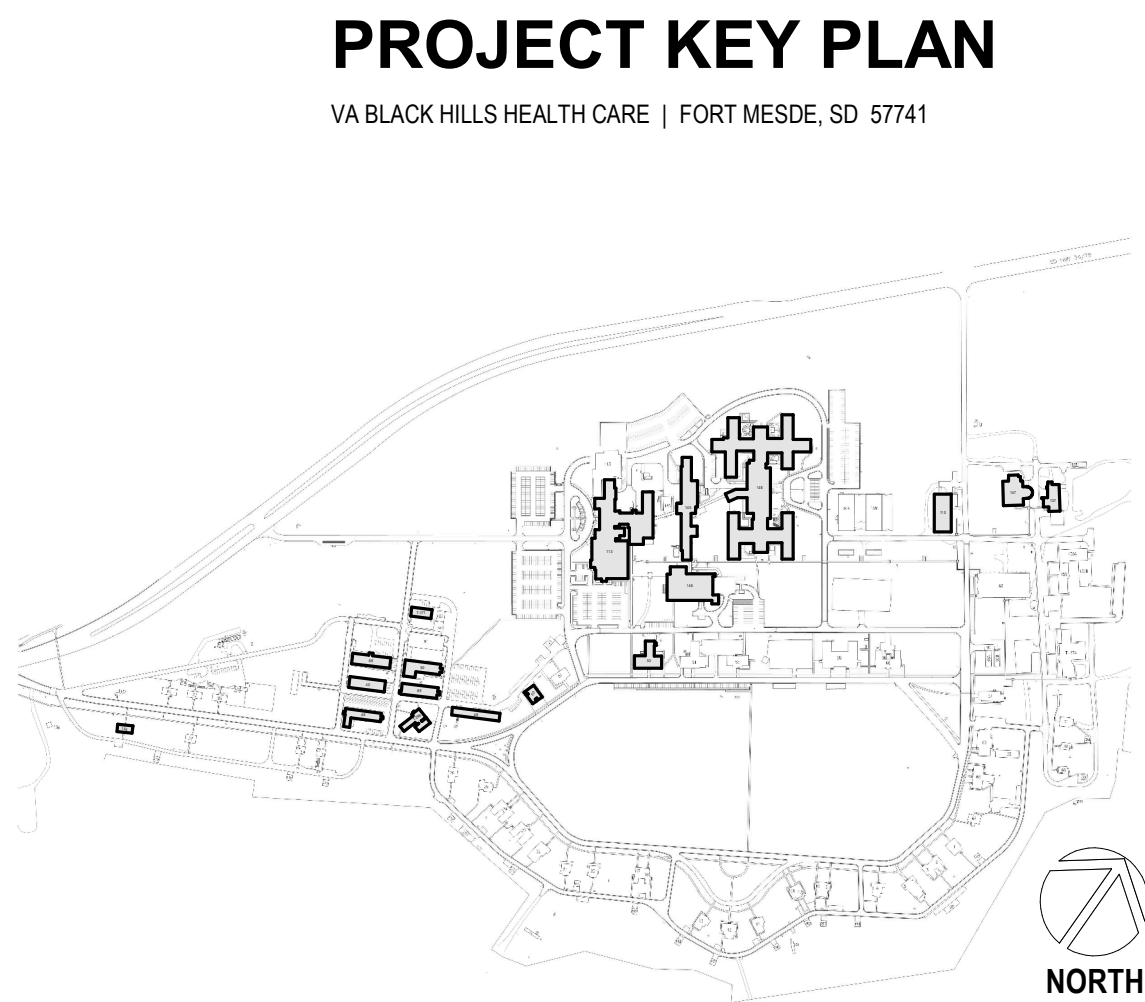
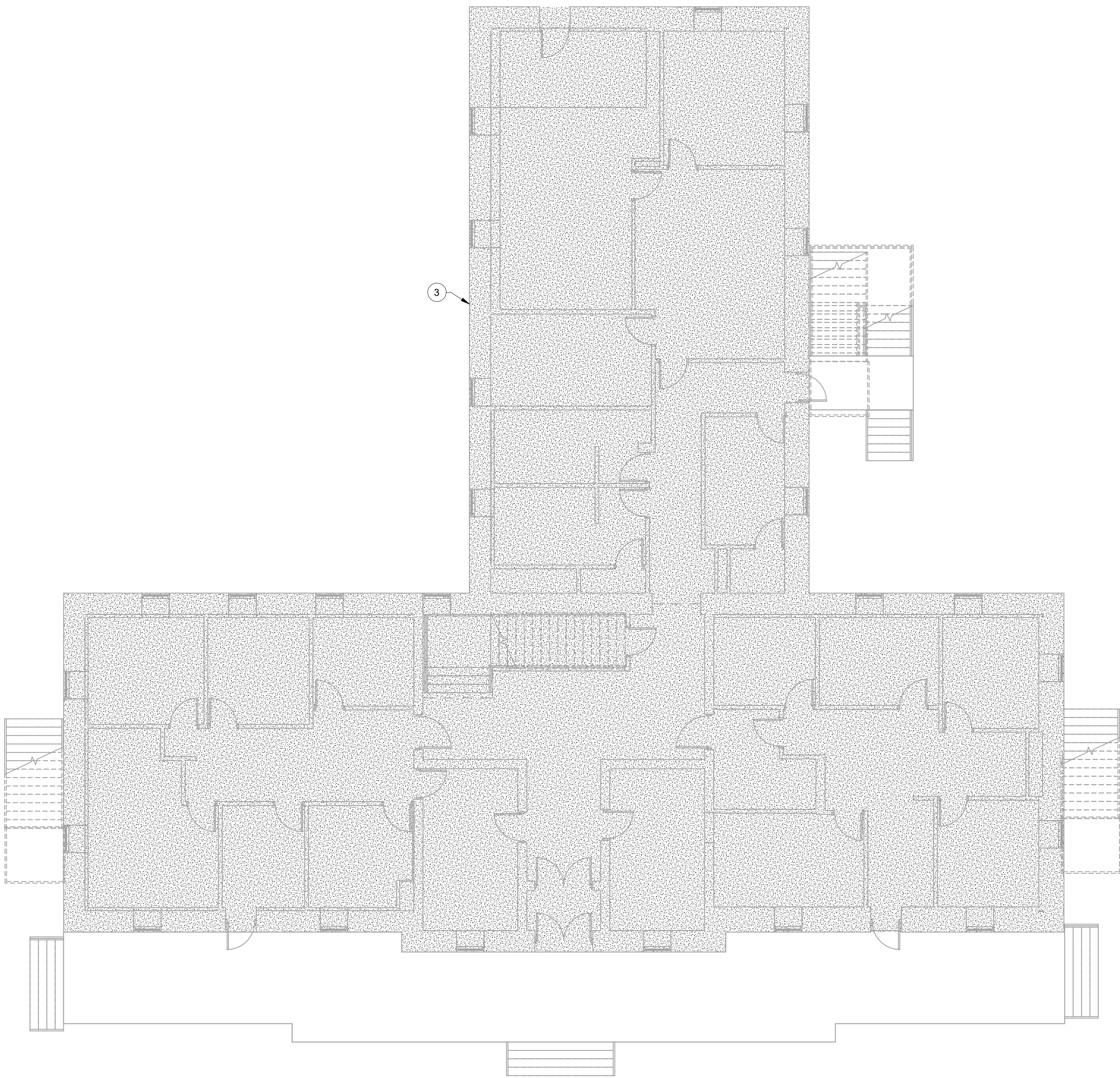
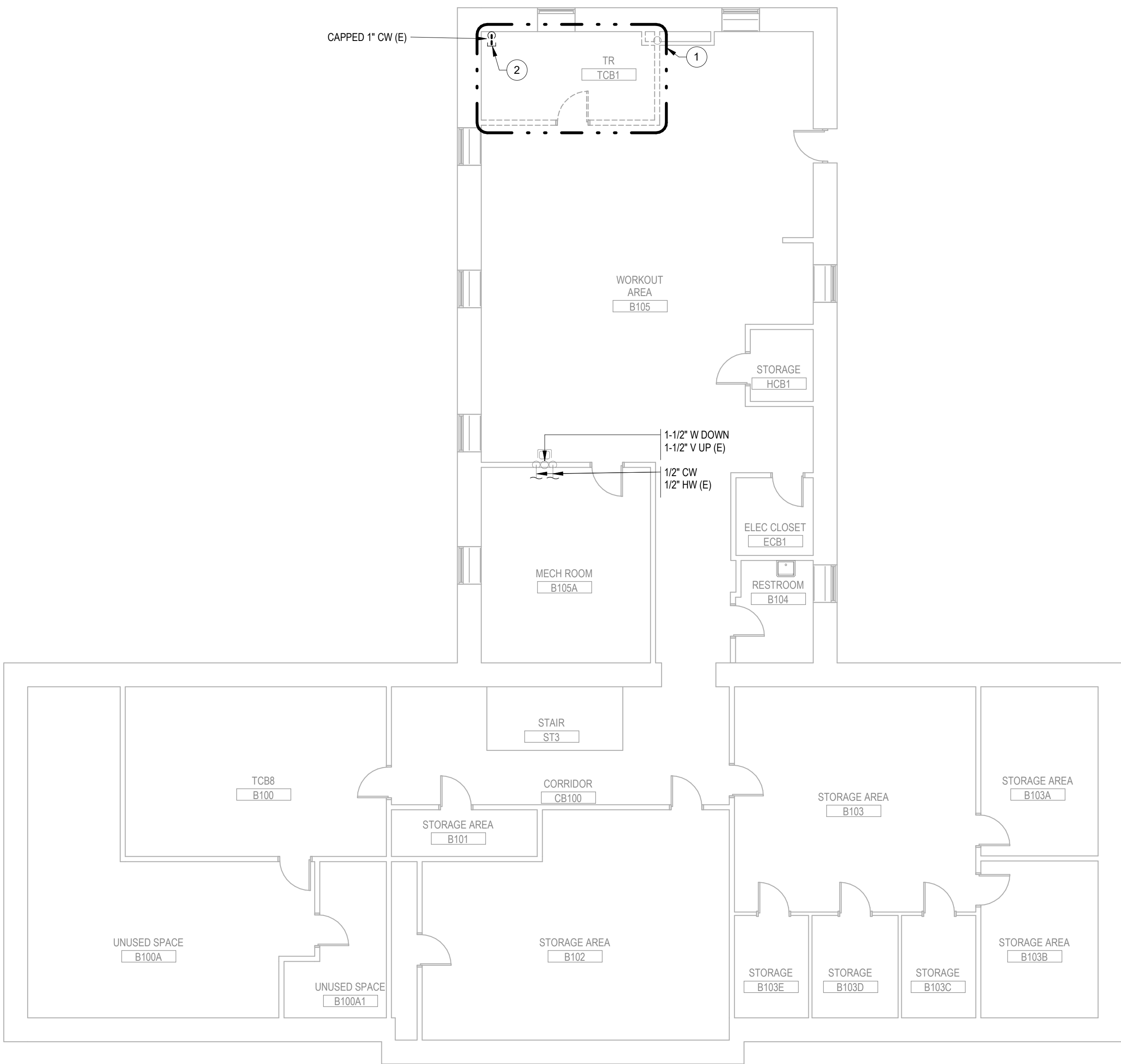
568-21-701

BUILDING NUMBER
BLDG 50

DRAWING NUMBER

050-MH-011

- PLAN NOTES**
- 1 APPROXIMATE OUTLINE OF NEW TR AREA. SEE REMODEL SHEETS FOR ALL DISCIPLINES FOR ADDITIONAL INFORMATION.
 - 2 DEMOLISH CW PIPE DOWN TO FLUSH WITH FINISHED FLOOR, CAP, AND INFILL.
 - 3 NO WORK IN THIS AREA. FLOOR PLAN SHOWN FOR CLARITY.



1 BUILDING 053 - BASEMENT DEMOLITION PLAN - OVERALL
1/8" = 1'-0"



2 BUILDING 053 - FIRST FLOOR DEMOLITION PLAN - OVERALL
1/8" = 1'-0"



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VA U.S. Department
of Veterans Affairs

DRAWING TITLE
053 - MECHANICAL DEMOLITION -
OVERALL

APPROVED:
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PHASE
100% CONSTRUCTION
DOCUMENTS

FLS
FULLY SPRINKLERED

PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES

LOCATION
FORT MEADE, SOUTH DAKOTA

ISSUE DATE
01/31/2025

CHECKED BY
ADR

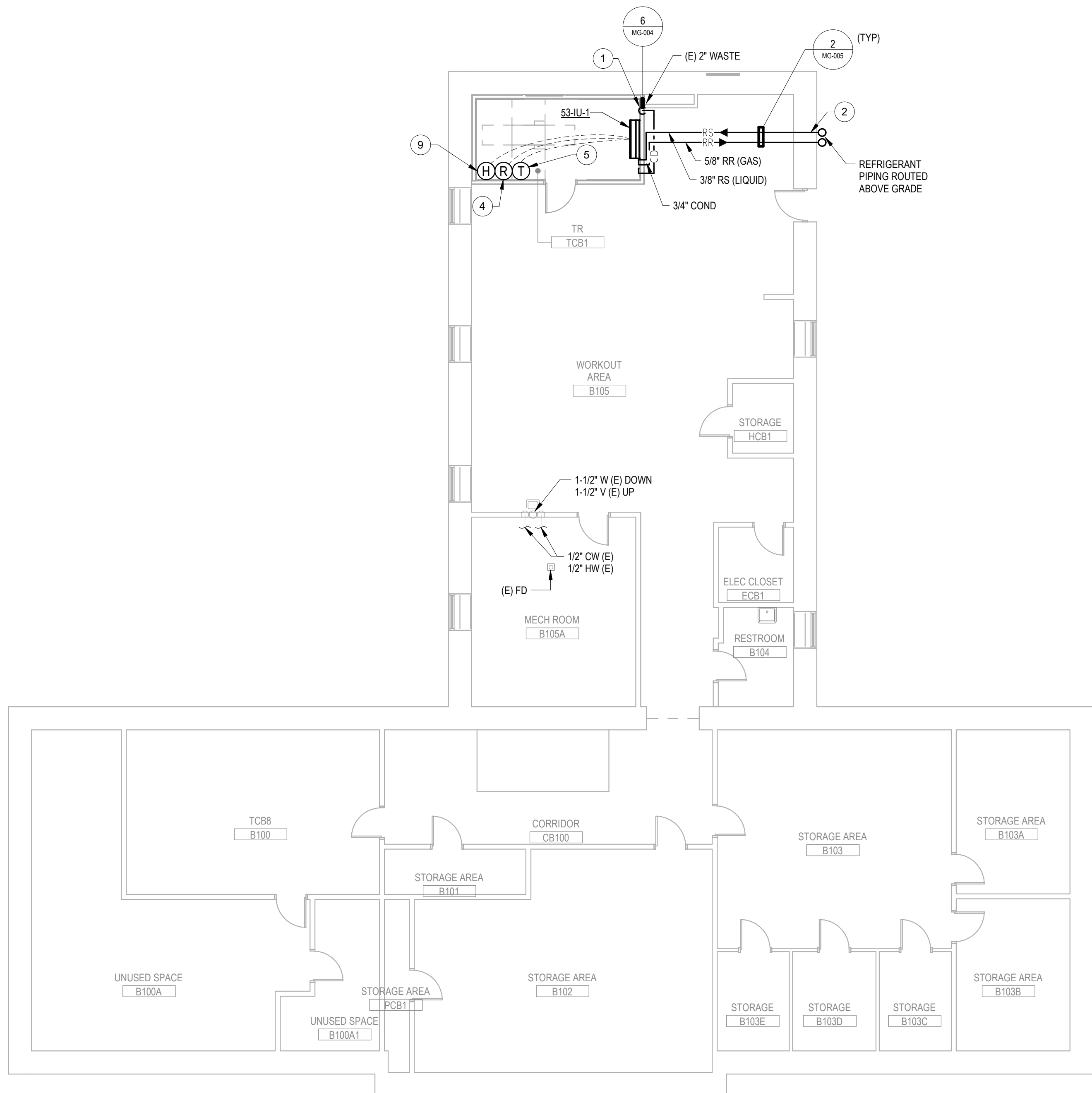
DRAWN BY
AF

PROJECT NUMBER
568-21-701
BUILDING NUMBER
BLDG 53

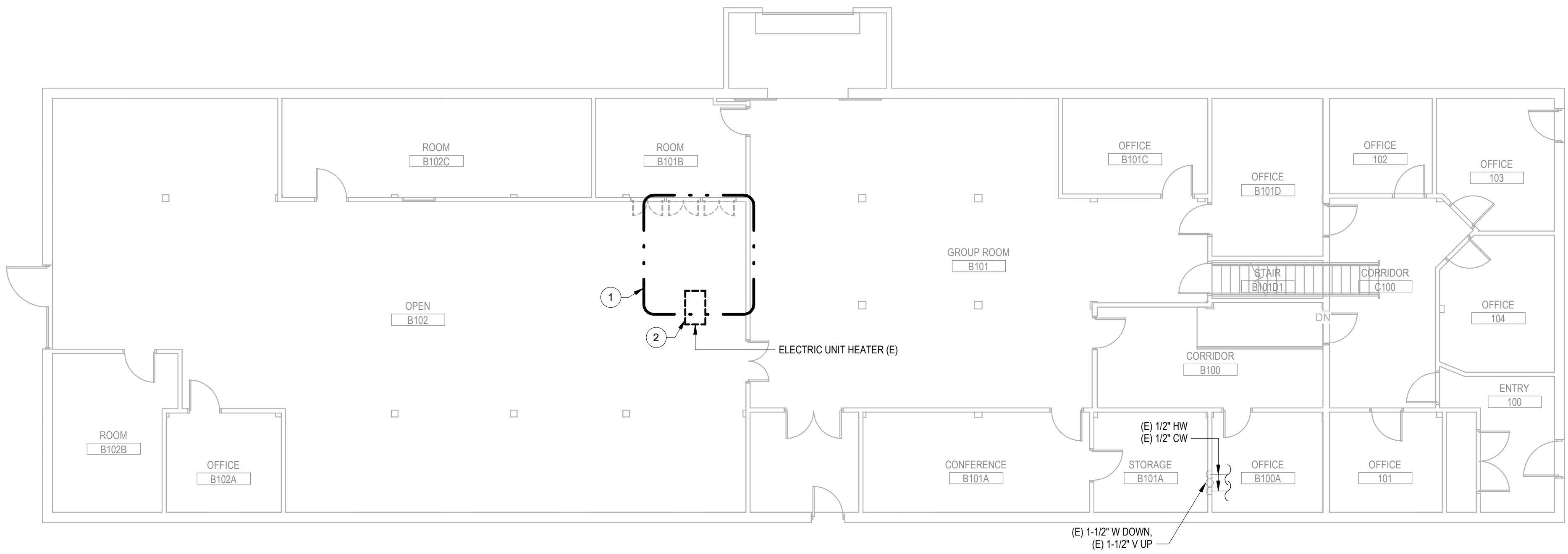
DRAWING NUMBER
053-MD-011

PLAN NOTES

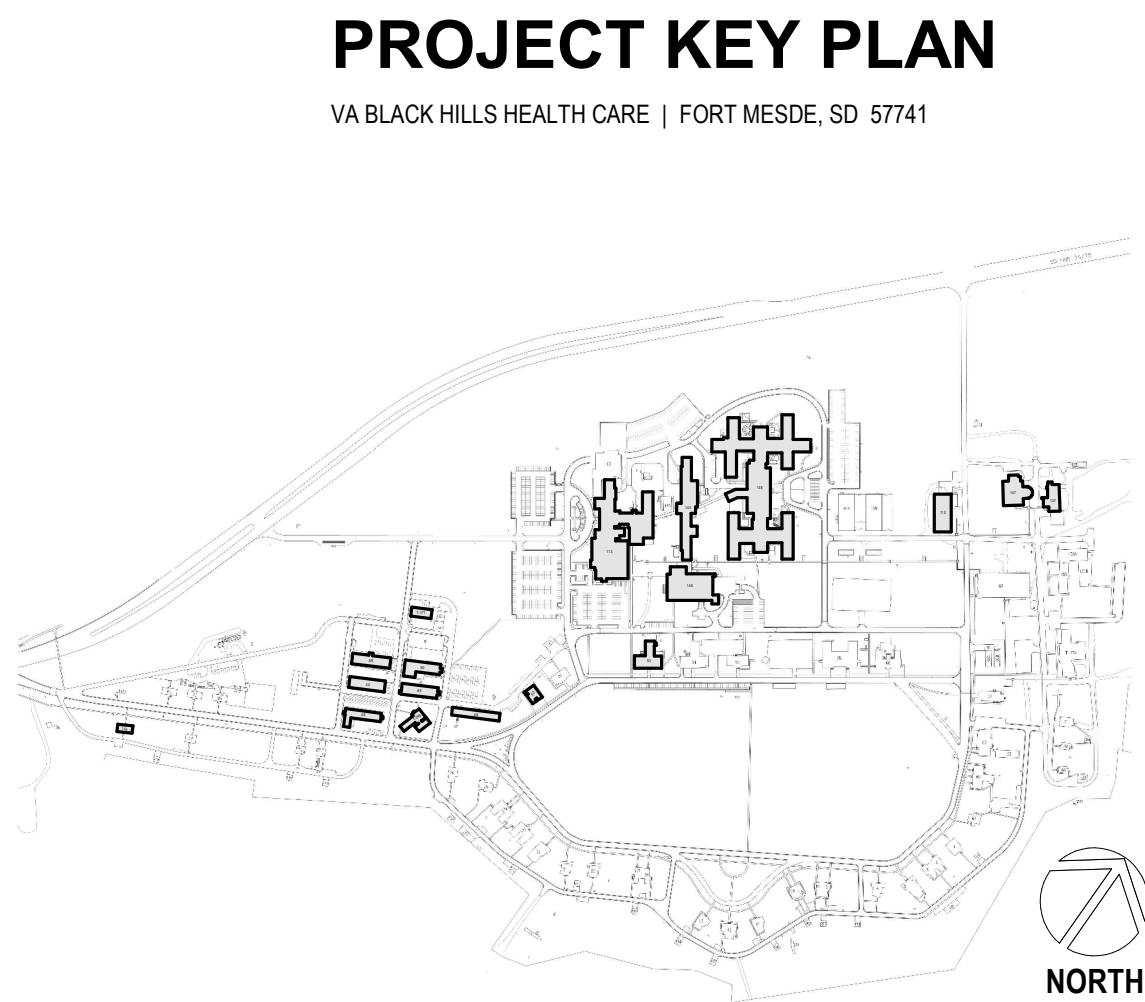
1. ROUTE 3/4" CONDENSATE DOWN WALL TO NEW AIR GAP FITTING AT EXISTING 2" WASTE PIPE. PROVIDE WALL ACCESS PATCH.
2. SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
3. NO WORK IN THIS AREA. FLOOR PLAN SHOWN FOR CLARITY.
4. INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
5. PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
6. REFER TO ARCHITECTURAL DOCUMENTS FOR CONDENSING UNIT PAD, SNOW PROTECTION AND STAND DETAILS.
7. COORDINATE WITH CIVIL FOR EXTERIOR HOUSEKEEPING PAD DETAILS FOR OUTDOOR CONDENSING UNIT.
8. EQUIPMENT SERVICE CLEARANCE (TYP).
9. PROVIDE HUMIDITY AND TEMPERATURE SENSOR IN TR ROOM, MOUNTED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.



- PLAN NOTES
- APPROXIMATE OUTLINE OF NEW TR AREA. SEE REMODEL SHEETS FOR ALL DISCIPLINES FOR ADDITIONAL INFORMATION.
 - RELOCATE ELECTRIC UNIT HEATER OUTSIDE OF TR LOCATION. SEE ELECTRICAL FOR ADDITIONAL INFORMATION.



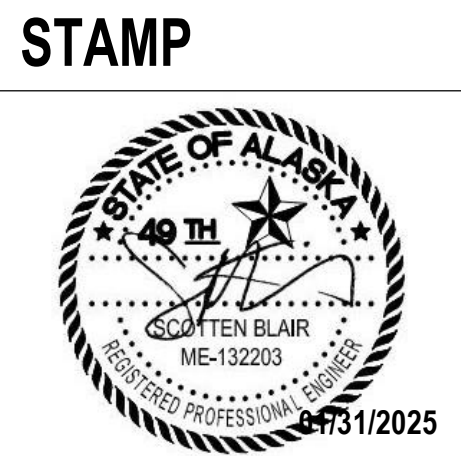
1 BUILDING 088 - FIRST FLOOR DEMOLITION PLAN - OVERALL
1/8" = 1'-0"



Revisions:	Date:

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**OFFICE OF
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MANAGEMENT**

VA U.S. Department
of Veterans Affairs

DRAWING TITLE
088 - MECHANICAL DEMOLITION -
OVERALL

APPROVED:
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PHASE
100% CONSTRUCTION
DOCUMENTS

FLS
FULLY SPRINKLERED

PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES

LOCATION
FORT MEADE, SOUTH DAKOTA

ISSUE DATE
01/31/2025

CHECKED BY
ADR

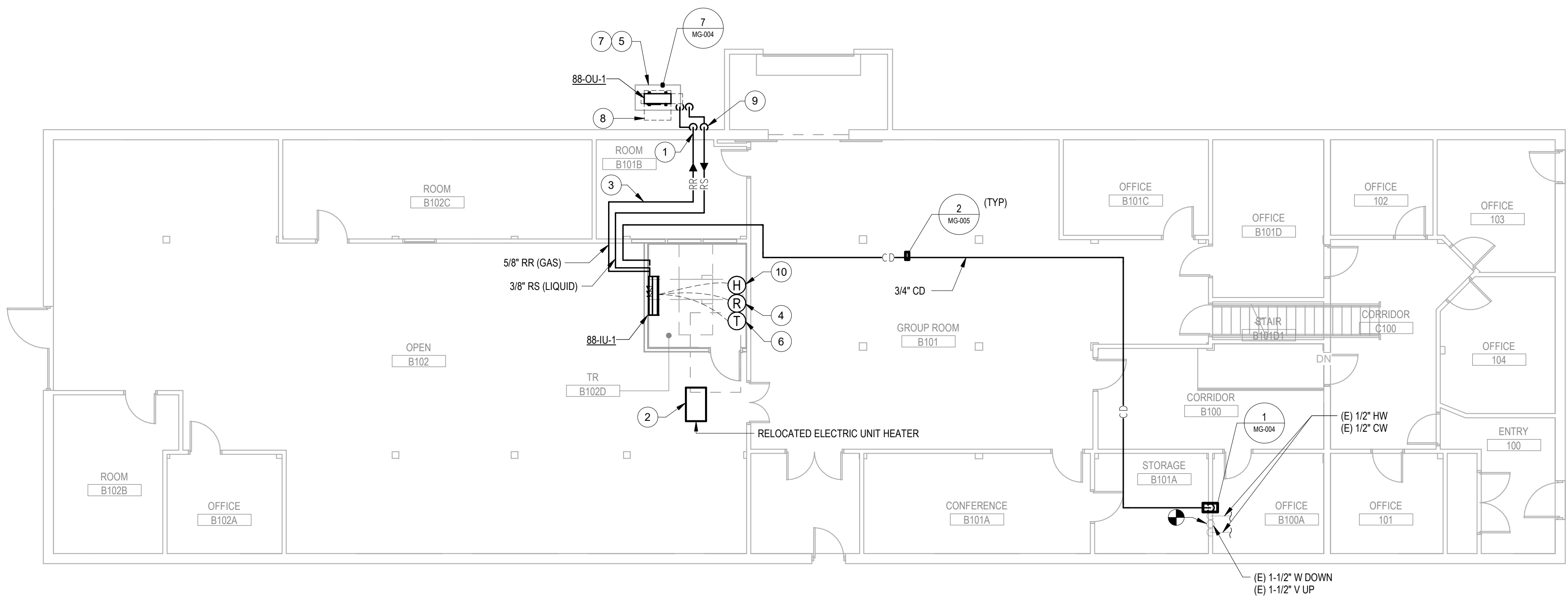
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PROJECT NUMBER
568-21-701

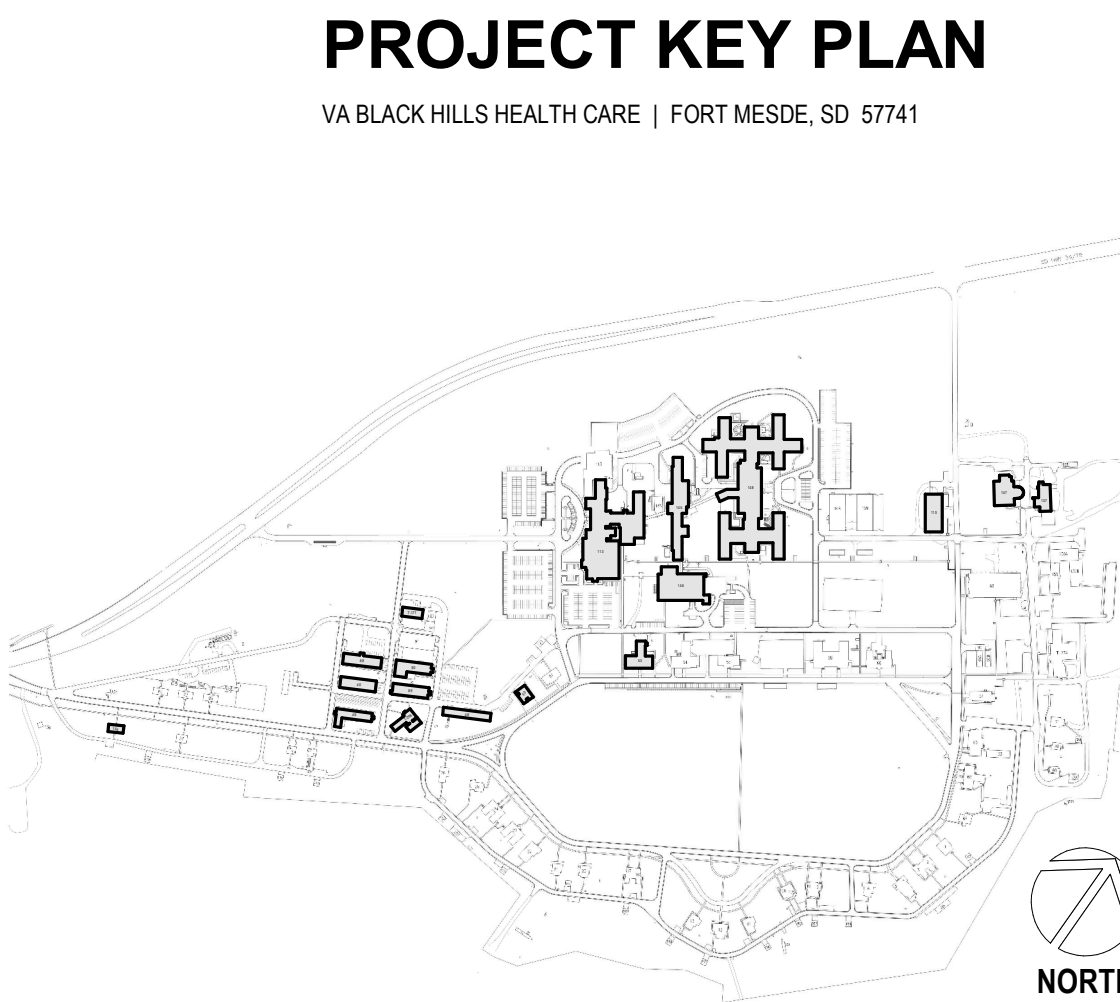
BUILDING NUMBER
BLDG 88

DRAWING NUMBER
088-MD-011

- PLAN NOTES**
- SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
 - REINSTALL SALVAGED ELECTRIC UNIT HEATER. SEE ELEC FOR ADDITIONAL INFORMATION.
 - ROUTE PIPING AS TIGHT TO STRUCTURE AS POSSIBLE.
 - INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
 - COORDINATE WITH CIVIL FOR EXTERIOR HOUSEKEEPING PAD DETAILS FOR OUTDOOR CONDENSING UNIT.
 - PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
 - REFER TO ARCHITECTURAL DOCUMENTS FOR CONDENSING UNIT PAD, SNOW PROTECTION AND STAND DETAILS.
 - EQUIPMENT SERVICE CLEARANCE (TYP).
 - REFRIGERANT PIPING ROUTED DOWN EXTERIOR WALL TO CONDENSING UNIT.
 - PROVIDE HUMIDITY AND TEMPERATURE SENSOR IN TR ROOM, MOUNTED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.



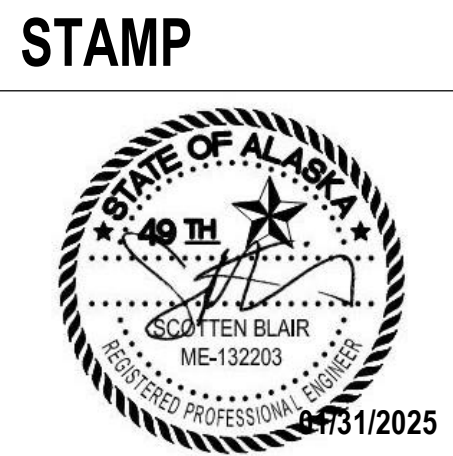
1 BUILDING 088 - FIRST FLOOR REMODEL PLAN - OVERALL
1/8" = 1'-0"



Revisions:	Date:

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VA U.S. Department
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DRAWING TITLE
088 - MECHANICAL REMODEL -
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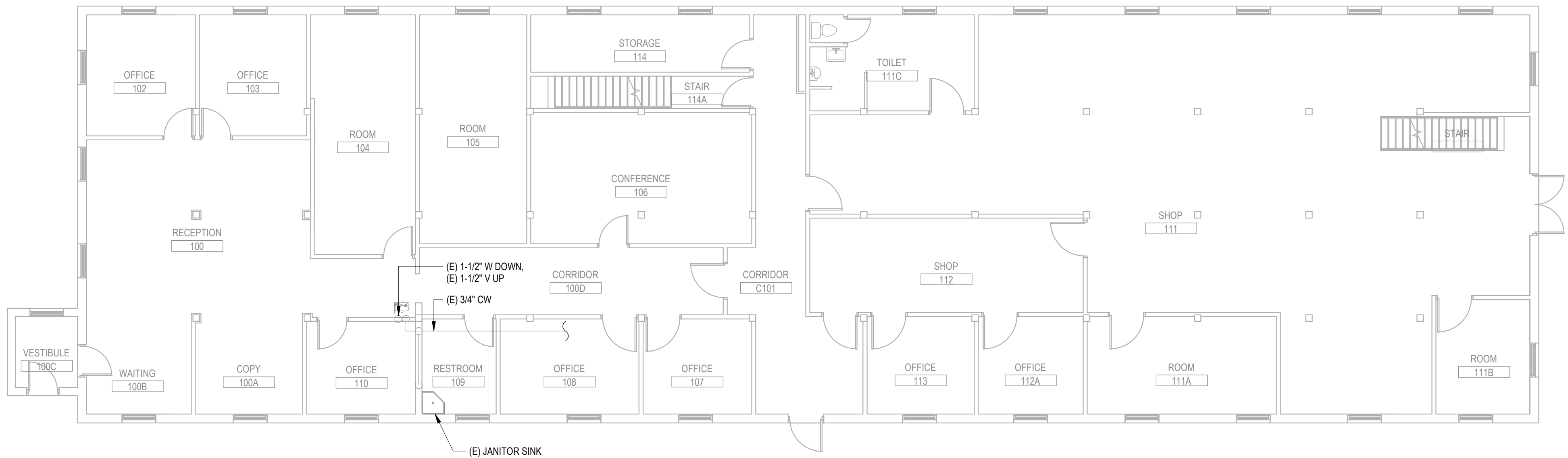
PHASE
100% CONSTRUCTION
DOCUMENTS
FLS
FULLY SPRINKLERED

PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES
LOCATION
FORT MEADE, SOUTH DAKOTA
ISSUE DATE
01/31/2025
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PROJECT NUMBER
568-21-701
BUILDING NUMBER
BLDG 88
DRAWING NUMBER
088-MH-011

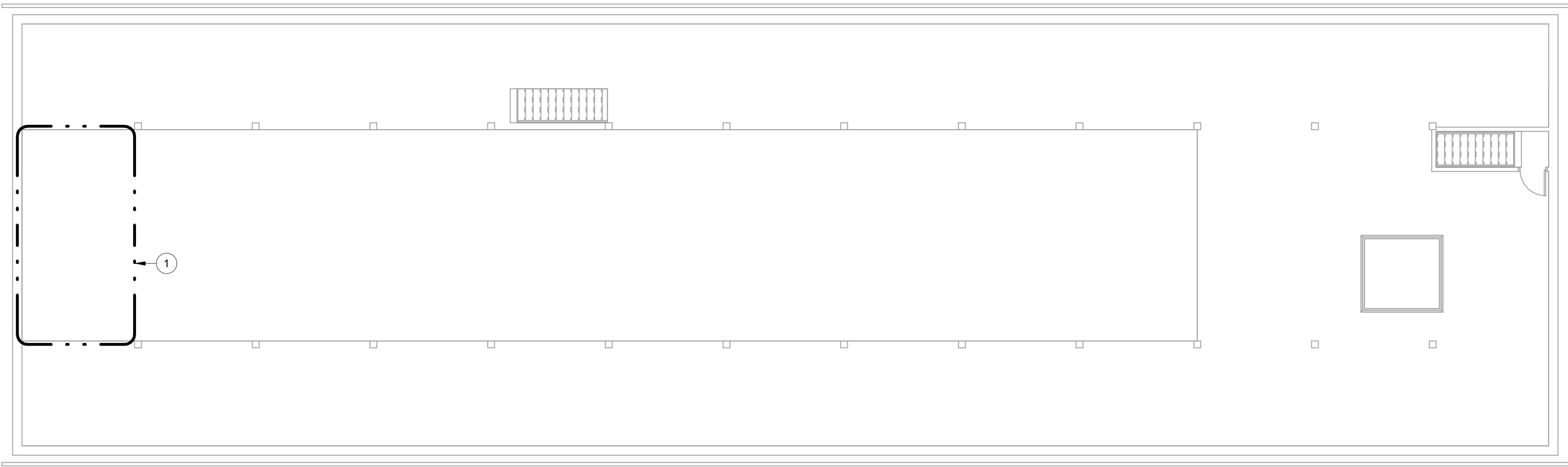
PLAN NOTES

1 APPROXIMATE OUTLINE OF NEW TR AREA. SEE REMODEL SHEETS FOR ALL DISCIPLINES FOR ADDITIONAL INFORMATION.



1 BUILDING 089 - FIRST FLOOR DEMOLITION PLAN - OVERALL

1/8" = 1'-0"



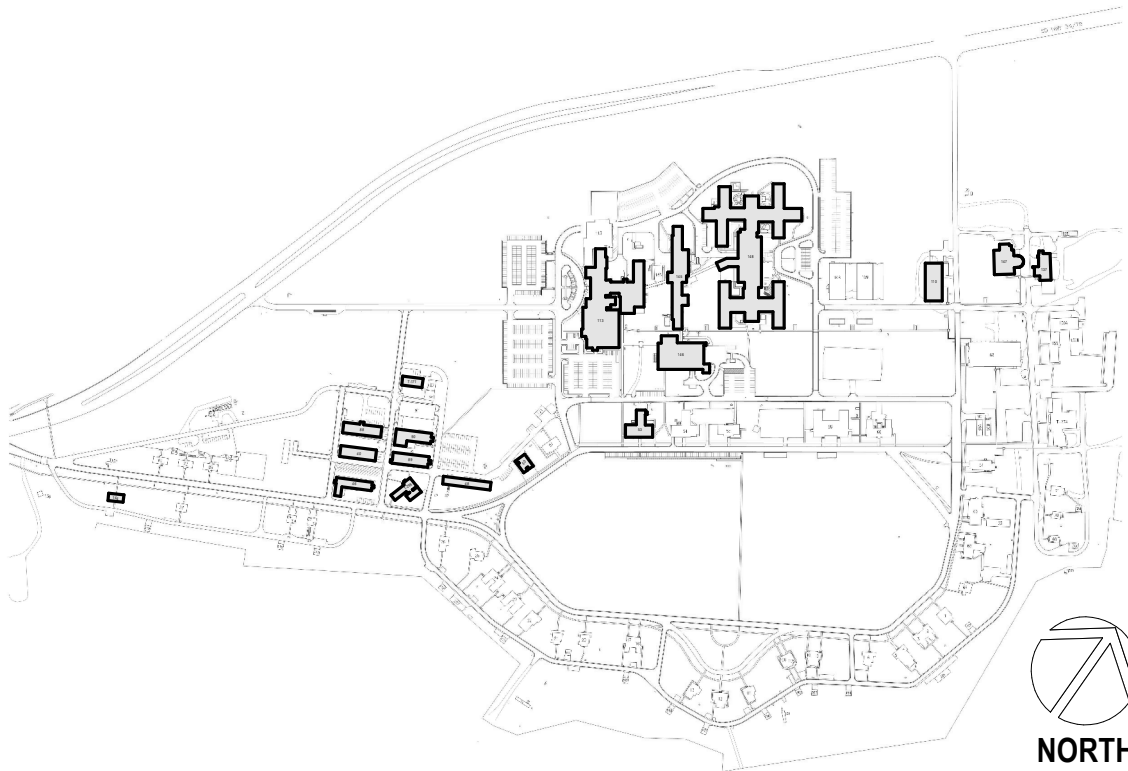
2 BUILDING 089 - SECOND FLOOR DEMOLITION PLAN - OVERALL

1/8" = 1'-0"



PROJECT KEY PLAN

VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



Revisions:	Date:

CONSULTANT

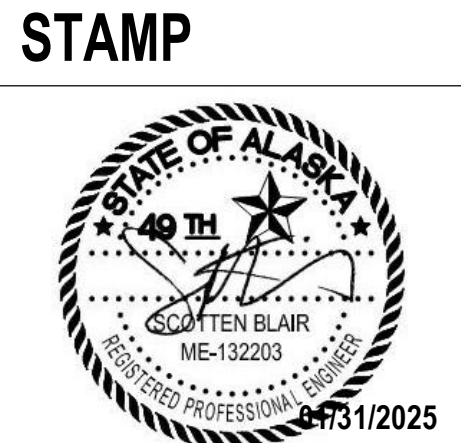
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DRAWING TITLE

089 - MECHANICAL DEMOLITION -
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PHASE

100% CONSTRUCTION
DOCUMENTS

FLS

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PROJECT TITLE

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UPGRADES

LOCATION

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ISSUE DATE

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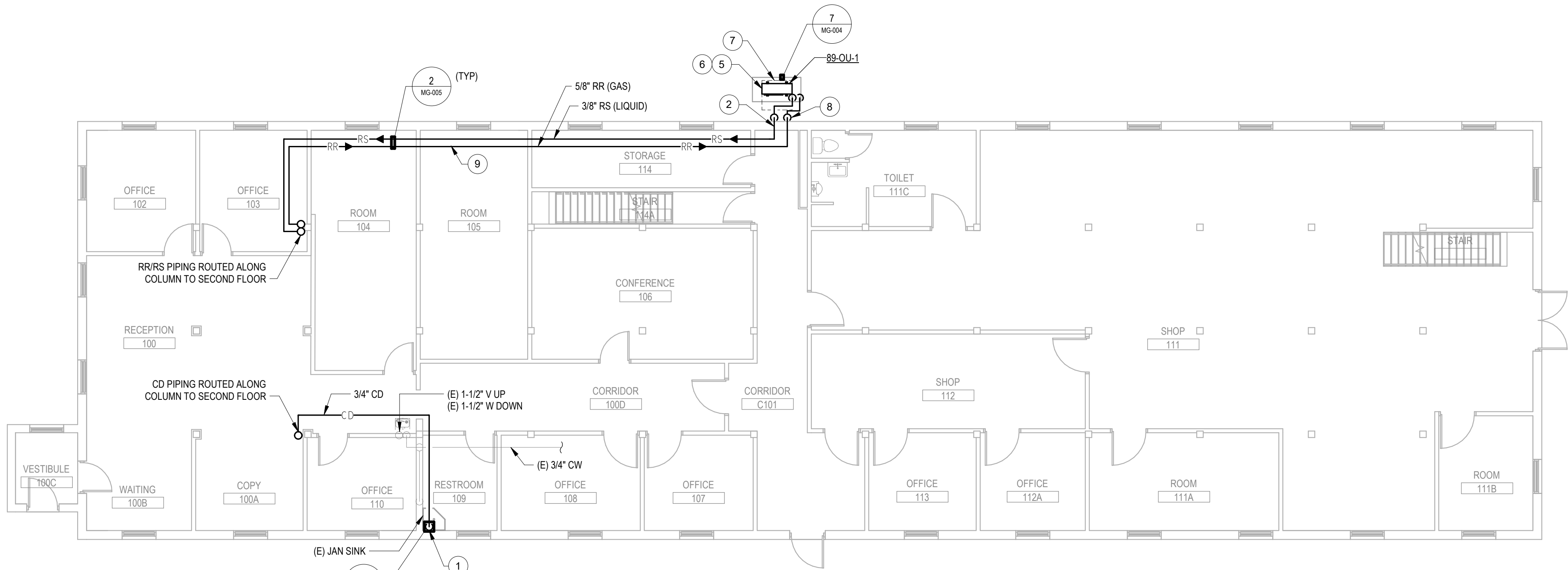
BUILDING NUMBER

BLDG 8

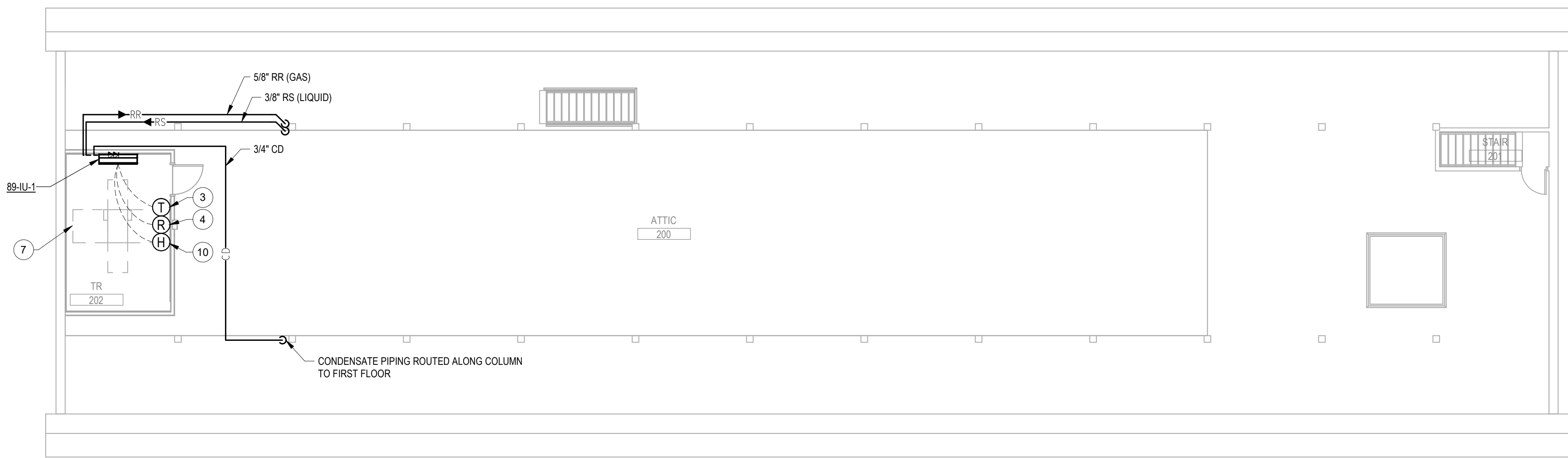
DRAWING NUMBER

089-MD-011

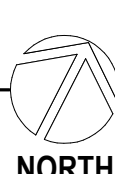
- PLAN NOTES**
- ROUTE 3/4" CONDENSATE DOWN TO (E) JANITOR SINK.
 - SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
 - PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
 - INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
 - REFER TO ARCHITECTURAL DOCUMENTS FOR CONDENSING UNIT PAD, SNOW PROTECTION AND STAND DETAILS.
 - COORDINATE WITH CIVIL FOR EXTERIOR HOUSEKEEPING PAD DETAILS FOR OUTDOOR CONDENSING UNIT.
 - EQUIPMENT SERVICE CLEARANCE (TYP).
 - REFRIGERANT PIPING ROUTED DOWN EXTERIOR WALL TO CONDENSING UNIT.
 - ROUTE PIPING AS TIGHT TO STRUCTURE AS POSSIBLE.
 - PROVIDE HUMIDITY AND TEMPERATURE SENSOR IN TR ROOM, MOUNTED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.



1 BUILDING 089 - FIRST FLOOR REMODEL PLAN - OVERALL
1/8" = 1'-0"

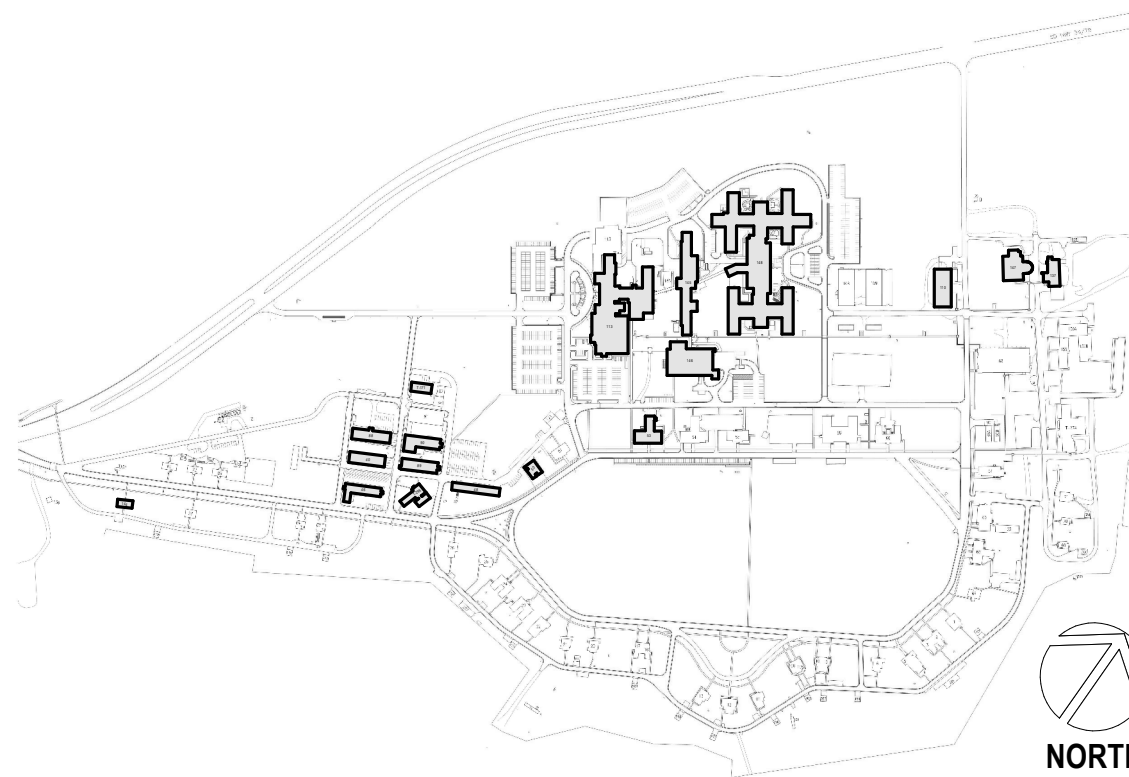


2 BUILDING 089 - SECOND FLOOR REMODEL PLAN - OVERALL
1/8" = 1'-0"



PROJECT KEY PLAN

VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



Revisions:	Date:

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VA U.S. Department
of Veterans Affairs

DRAWING TITLE
089 - MECHANICAL REMODEL -
OVERALL

APPROVED:
**NOT FOR CONSTRUCTION
FOR OFFICIAL USE ONLY (FOUO)**

PHASE
100% CONSTRUCTION
DOCUMENTS

FLS
FULLY SPRINKLERED

PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES

LOCATION
FORT MEADE, SOUTH DAKOTA

ISSUE DATE
01/31/2025

CHECKED BY
ADR

DRAWN BY
AF

PROJECT NUMBER
568-21-701
BUILDING NUMBER
BLDG 89

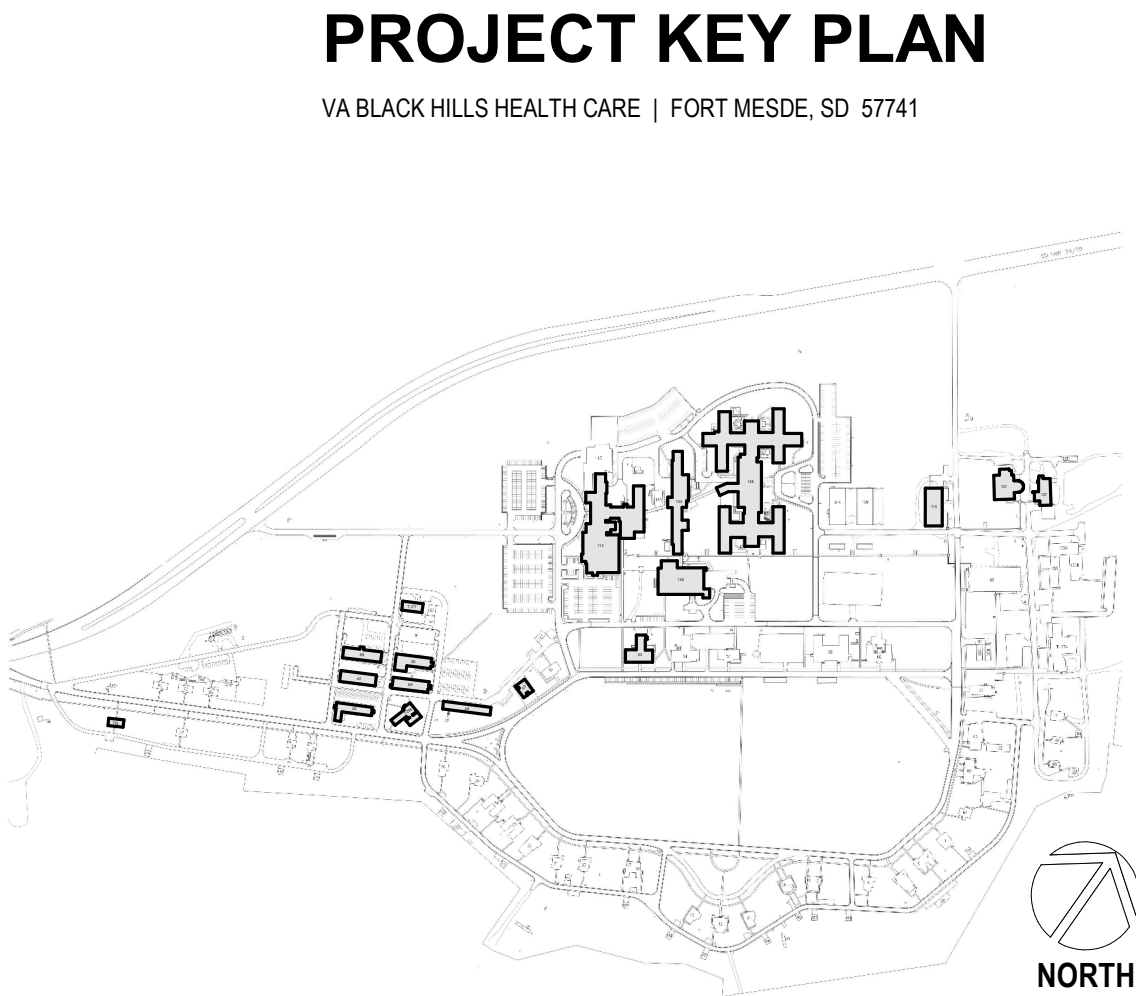
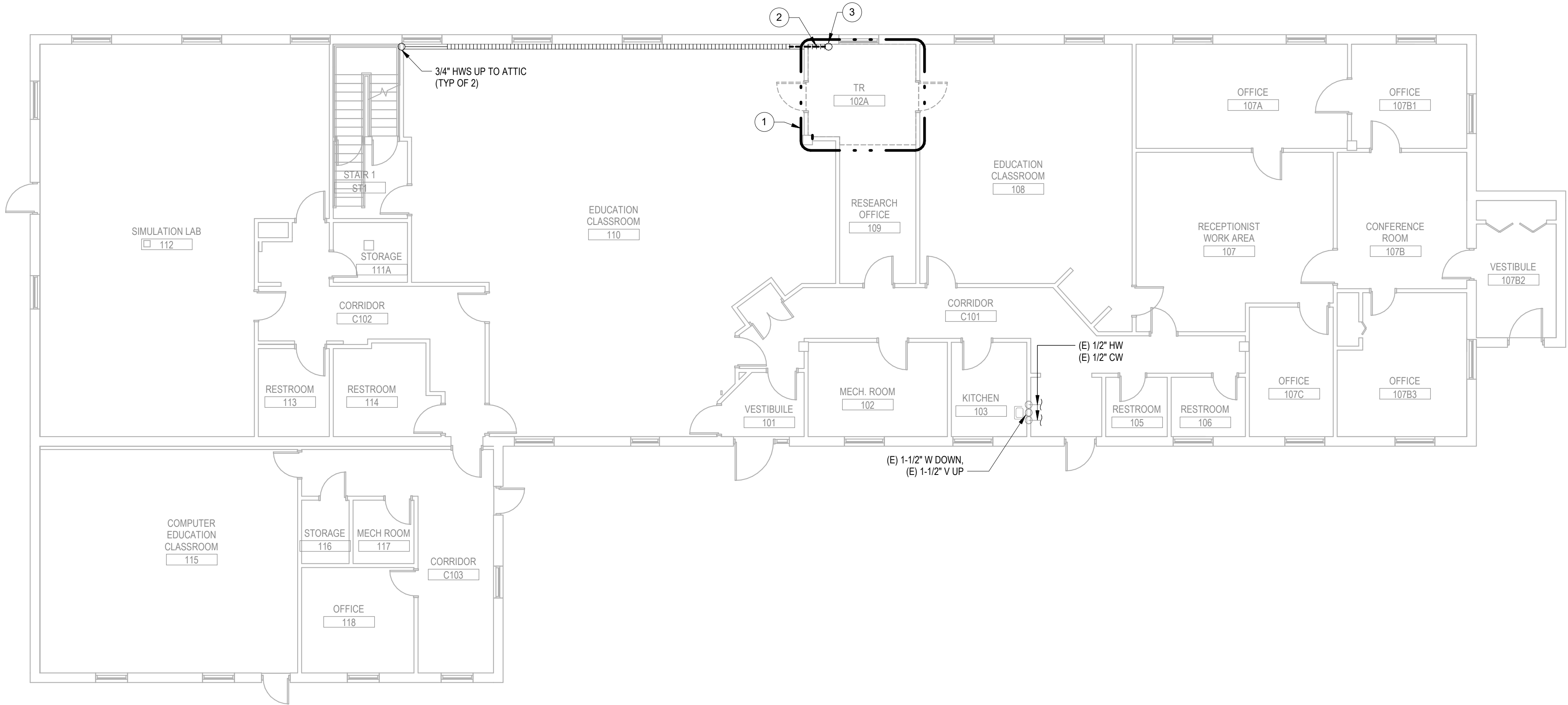
DRAWING NUMBER
089-MH-011

- PLAN NOTES
- 1

APPROXIMATE OUTLINE OF NEW TR AREA. SEE REMODEL SHEETS FOR ALL DISCIPLINES FOR ADDITIONAL INFORMATION.
- 2

DEMOLISH EXISTING FIN TUBE, FIN TUBE ENCLOSURE, AND ASSOCIATED HYDRONIC BRANCH PIPING TO EXTENT NECESSARY FOR TR REMODEL. SALVAGE VALVE TRAIN FOR RE-USE IN REMODEL.
- 3

DEMOLISH HYDRONIC PIPE RISER TO ATTIC. PATCH AND SEAL FLOOR PENETRATION.



1

BUILDING 090 - FIRST FLOOR DEMOLITION PLAN - OVERALL

1/8" = 1'-0"



Revisions:	Date:

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AND FACILITIES
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VA U.S. Department
of Veterans Affairs

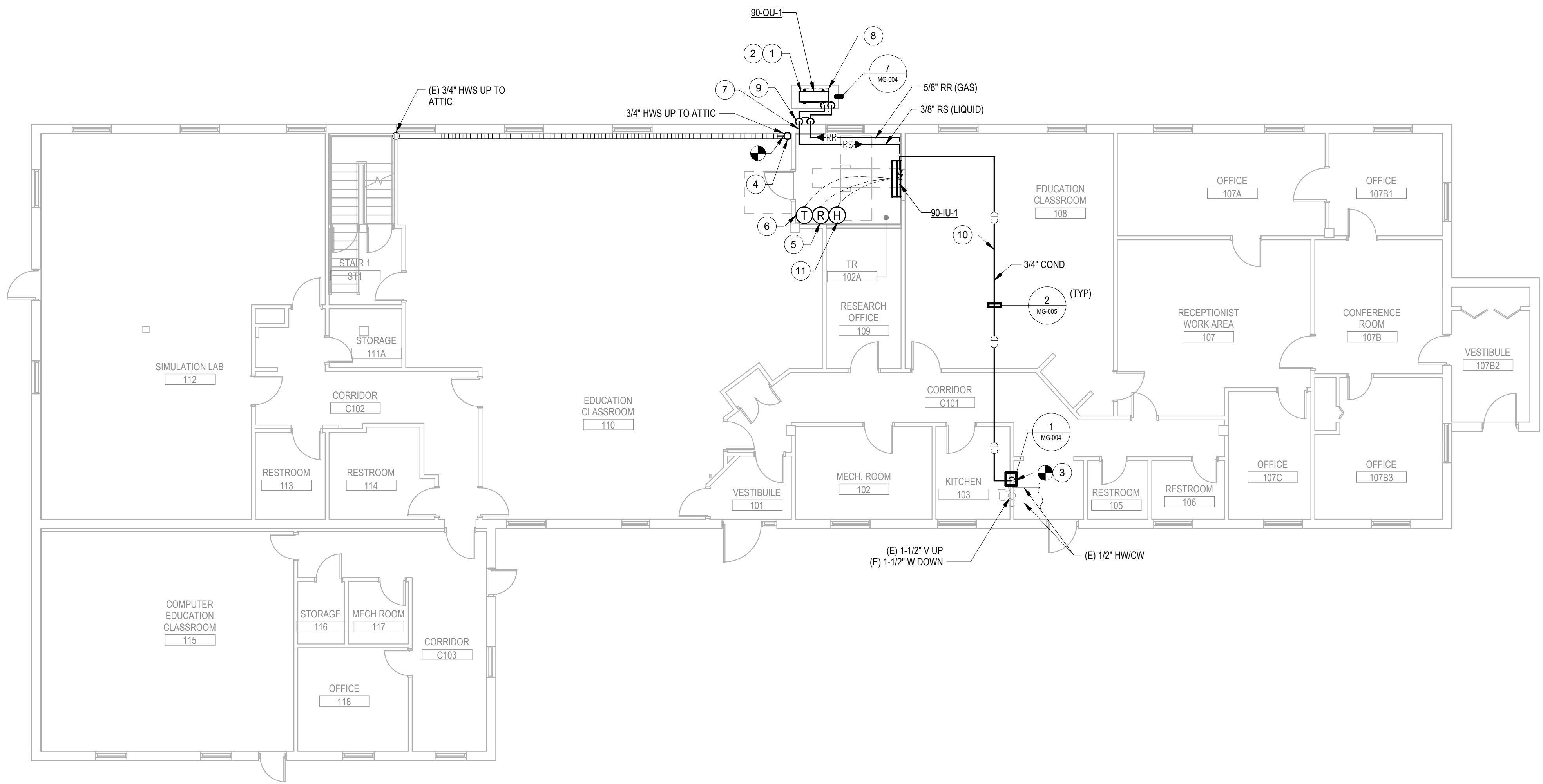
DRAWING TITLE
090 - MECHANICAL DEMOLITION -
OVERALL
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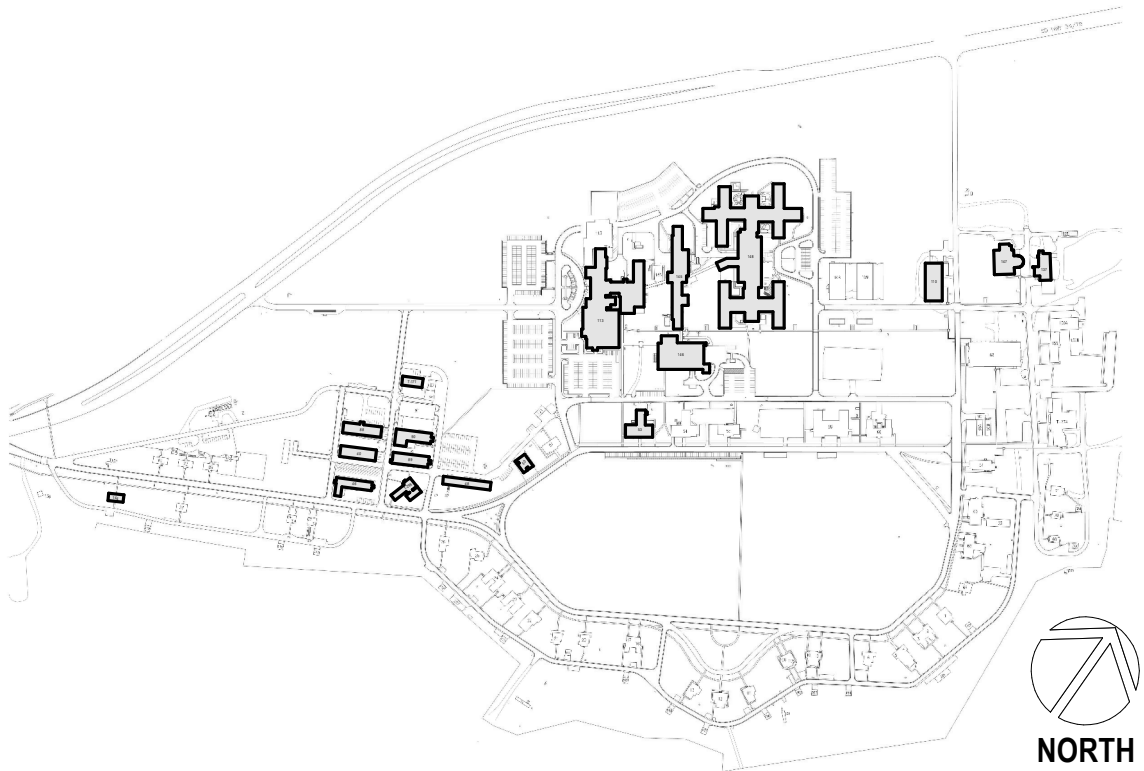
PROJECT NUMBER
568-21-701
BUILDING NUMBER
BLDG 90
DRAWING NUMBER
090-MD-011

- PLAN NOTES**
- REFER TO ARCHITECTURAL DOCUMENTS FOR CONDENSING UNIT PAD, SNOW PROTECTION AND STAND DETAILS.
 - COORDINATE WITH CIVIL FOR EXTERIOR HOUSEKEEPING PAD DETAILS FOR OUTDOOR CONDENSING UNIT.
 - ROUTE 3/4" CONDENSATE DOWN WALL TO (E) WASTE MAIN BELOW (E) PLUMBING FIXTURE. PROVIDE WALL ACCESS HATCH AND NEW AIRGAP FITTING. DEMOLISH AND PATCH WALL AS NECESSARY.
 - ROUTE 3/4" HYDRONIC HEATING PIPE UP TO BRANCH LINE LOCATED IN ATTIC AND RECONNECT. RE-INSTALL SALVAGED VALVE TRAIN IN FINITUBE ENCLOSURE.
 - INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
 - PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
 - SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
 - EQUIPMENT SERVICE CLEARANCE (TYP).
 - REFRIGERANT PIPING ROUTED DOWN EXTERIOR WALL TO CONDENSING UNIT.
 - ROUTE PIPING AS TIGHT TO STRUCTURE AS POSSIBLE.
 - PROVIDE HUMIDITY AND TEMPERATURE SENSOR IN TR ROOM, MOUNTED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.



PROJECT KEY PLAN

VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



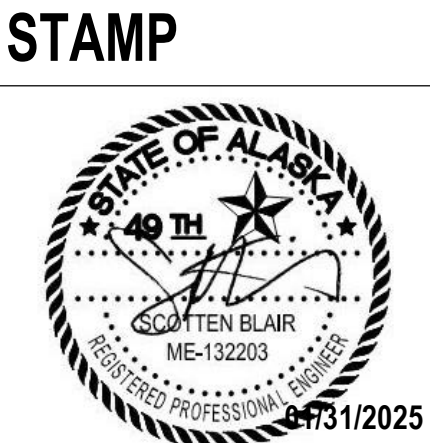
1 BUILDING 090 - FIRST FLOOR REMODEL PLAN - OVERALL
1/8" = 1'-0"



Revisions:	Date:

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DRAWING TITLE
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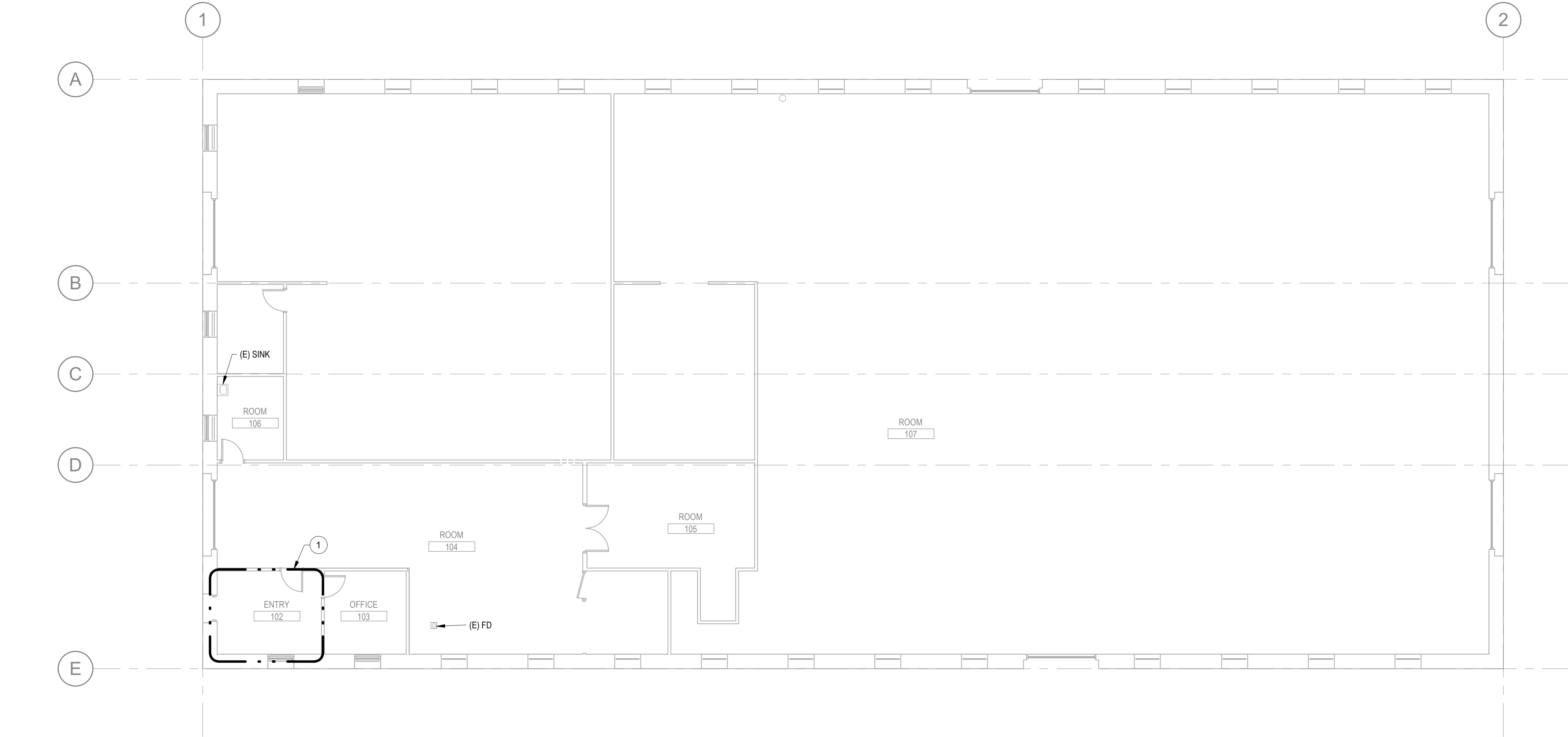
PHASE
100% CONSTRUCTION
DOCUMENTS

FLS
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PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES

LOCATION
FORT MEADE, SOUTH DAKOTA
ISSUE DATE
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ADR
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PROJECT NUMBER
568-21-701
BUILDING NUMBER
BLDG 90
DRAWING NUMBER
090-MH-011



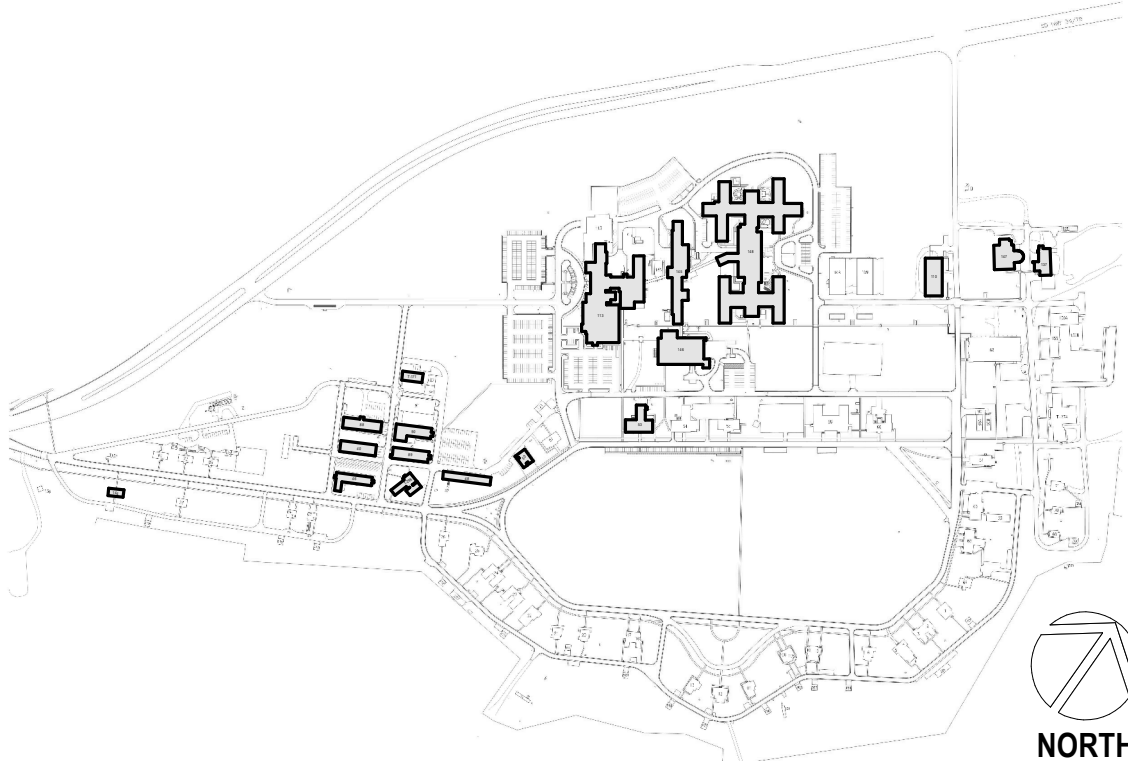
1 BUILDING 110 - FIRST FLOOR DEMOLITION PLAN - OVERALL
1/8" = 1'-0"



2 BUILDING 110 - SECOND FLOOR DEMOLITION - OVERALL
1/8" = 1'-0"

PLAN NOTES
1 APPROXIMATE OUTLINE OF NEW TR AREA. SEE REMODEL SHEETS FOR ALL DISCIPLINES FOR ADDITIONAL INFORMATION.

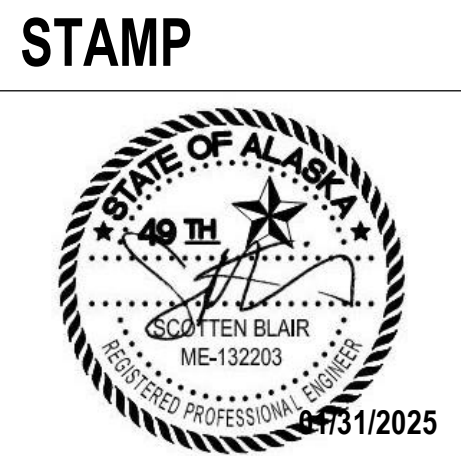
PROJECT KEY PLAN
VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



Revisions:	Date:

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UPGRADES

LOCATION
FORT MEADE, SOUTH DAKOTA

ISSUE DATE
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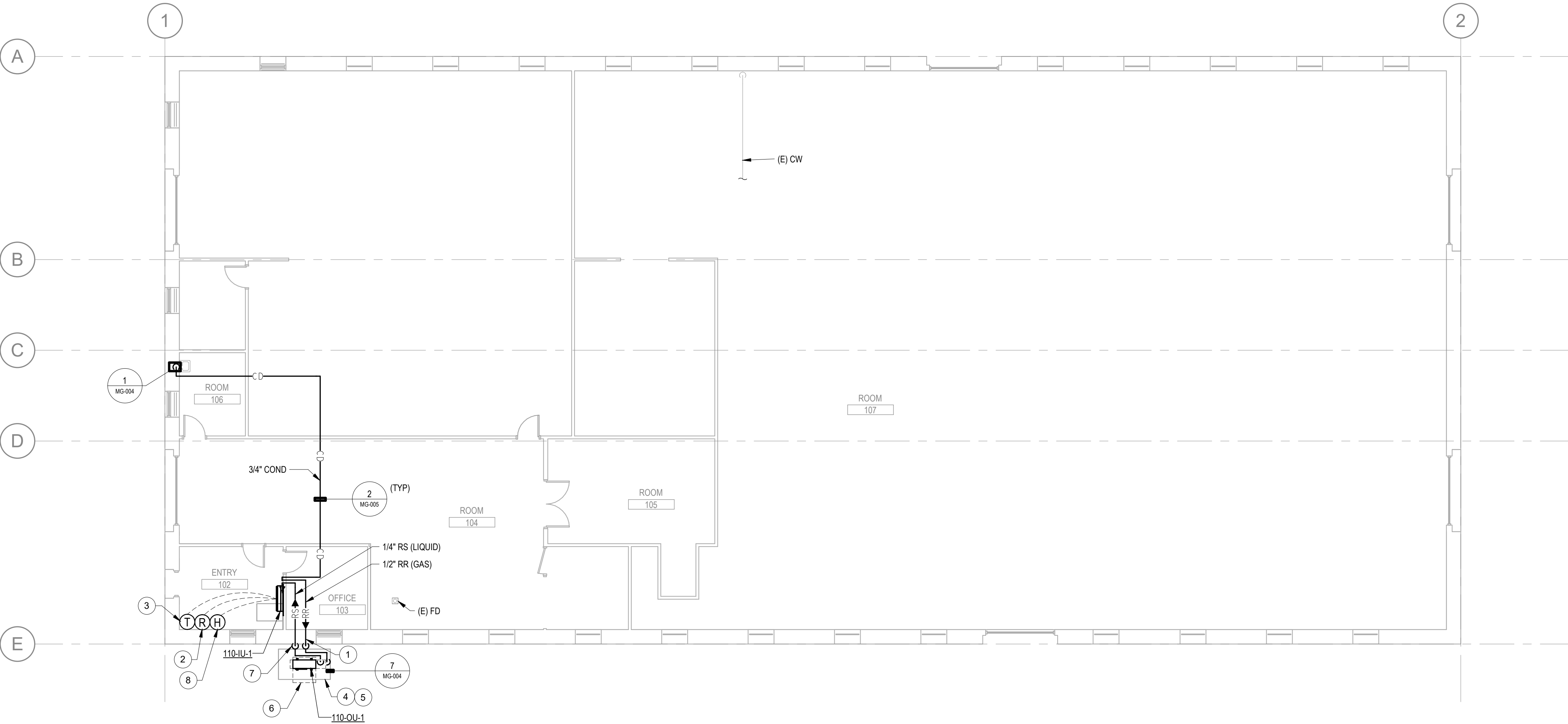
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PROJECT NUMBER
568-21-701

BUILDING NUMBER
BLDG 110

DRAWING NUMBER
110-MD-011

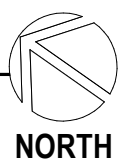
- PLAN NOTES**
- 1 SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
 - 2 INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
 - 3 PROVIDE NEW THERMOSTAT INSTALLED AT 4'-8" AFF.
 - 4 REFER TO ARCHITECTURAL DOCUMENTS FOR CONDENSING UNIT PAD, SNOW PROTECTION AND STAND DETAILS.
 - 5 COORDINATE WITH CIVIL FOR EXTERIOR HOUSEKEEPING PAD DETAILS FOR OUTDOOR CONDENSING UNIT.
 - 6 EQUIPMENT SERVICE CLEARANCE (TYP).
 - 7 REFRIGERANT PIPING ROUTED DOWN EXTERIOR WALL TO CONDENSING UNIT.
 - 8 PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-8" AFF. CONNECT TO DDC SYSTEM.



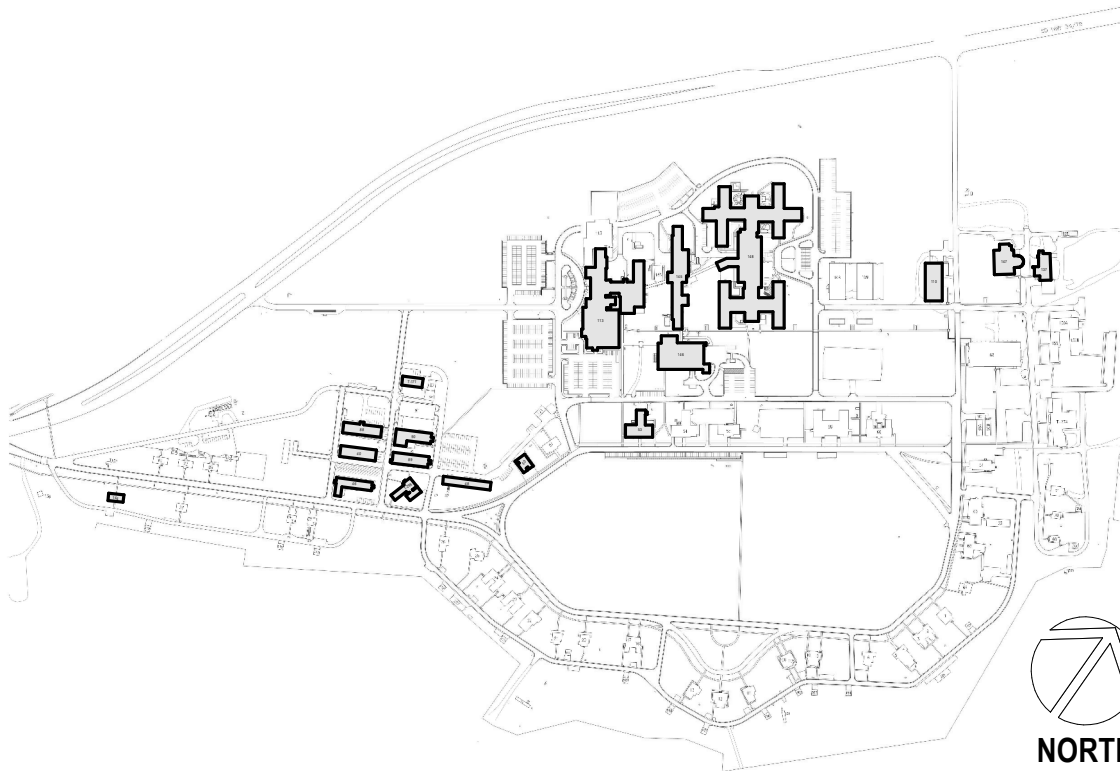
1 BUILDING 110 - FIRST FLOOR REMODEL PLAN - OVERALL
1/8" = 1'-0"



2 BUILDING 110 - SECOND FLOOR REMODEL - OVERALL
1/8" = 1'-0"



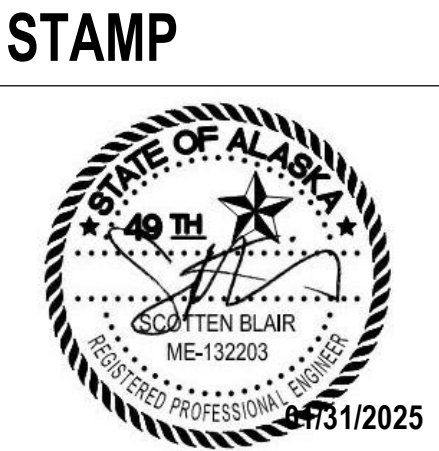
PROJECT KEY PLAN
VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



Revisions:	Date:

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DRAWING TITLE
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OVERALL

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PHASE
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DOCUMENTS

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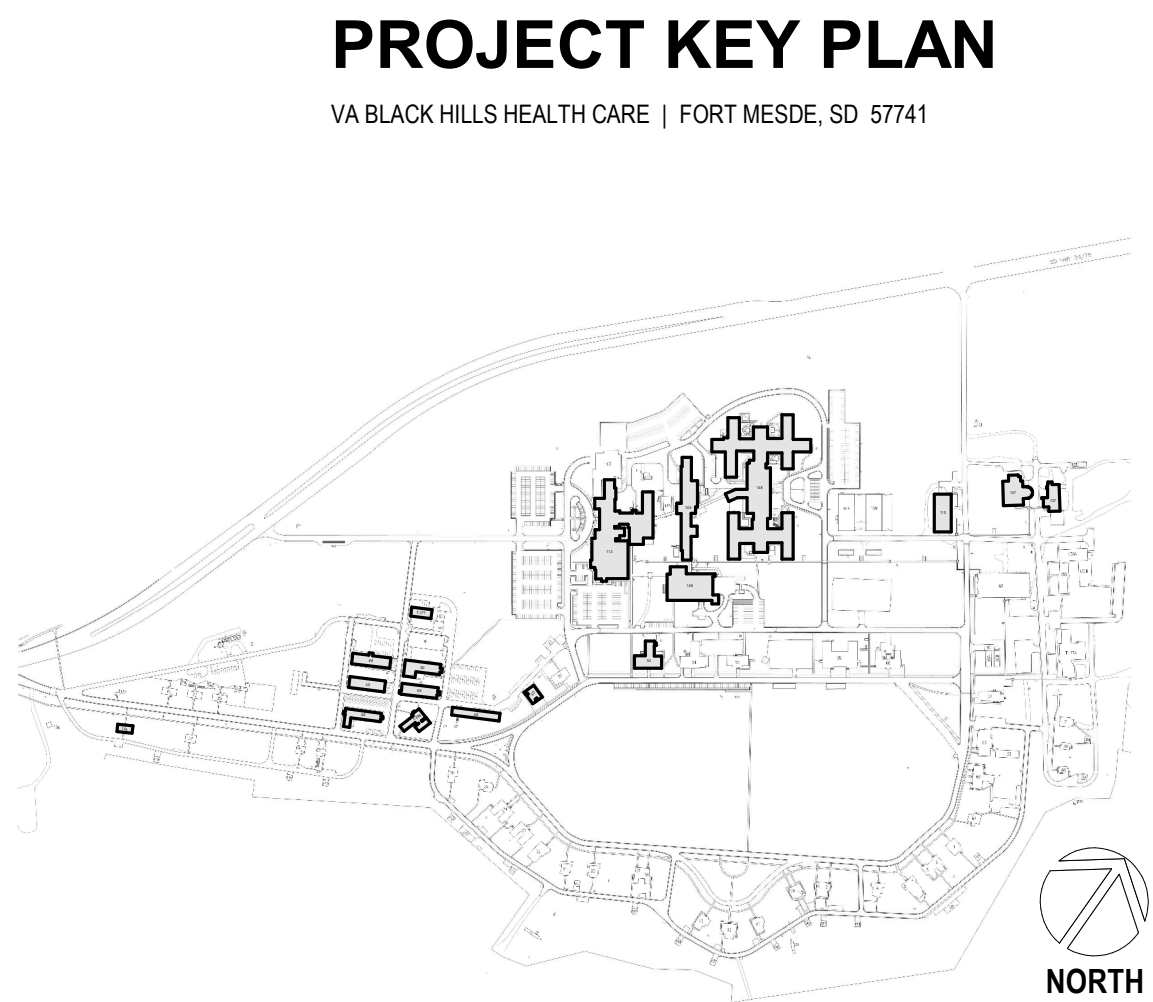
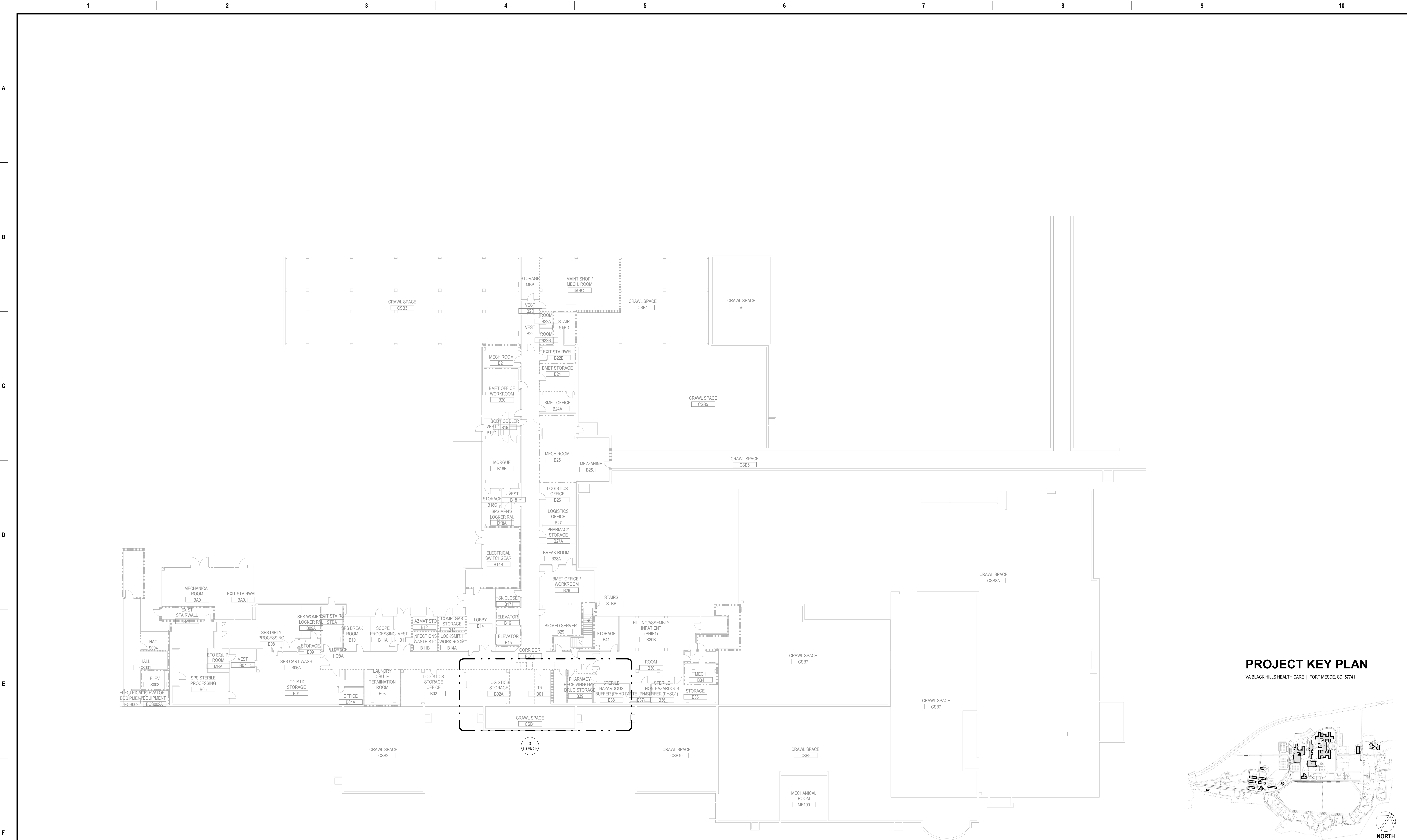
PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES

LOCATION
FORT MEADE, SOUTH DAKOTA

ISSUE DATE 01/31/2025
CHECKED BY ADR
DRAWN BY AF


PROJECT NUMBER
568-21-701
BUILDING NUMBER
BLDG 110

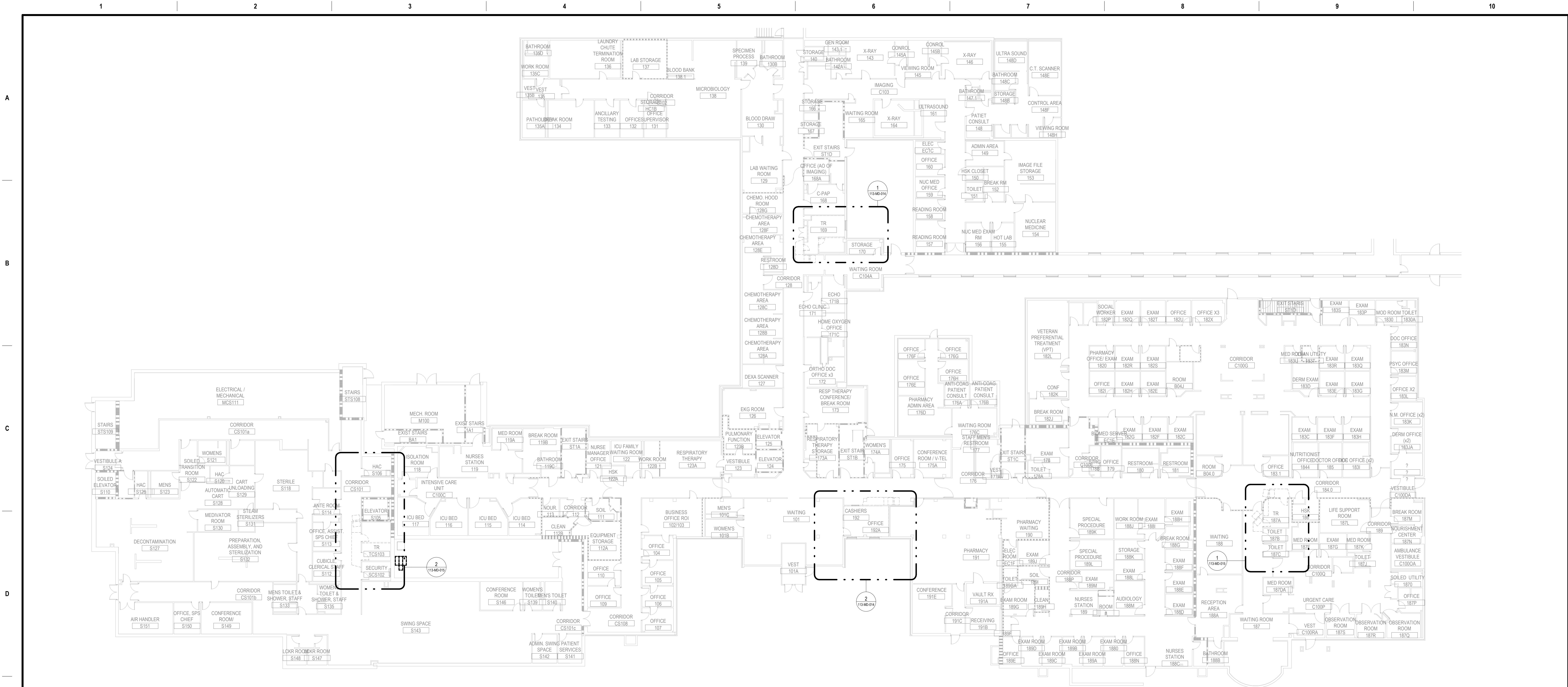
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110-MH-011



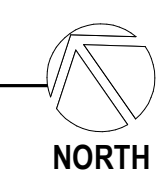
1 BUILDING 113 - BASEMENT DEMOLITION PLAN - OVERALL
1/16" = 1'-0"



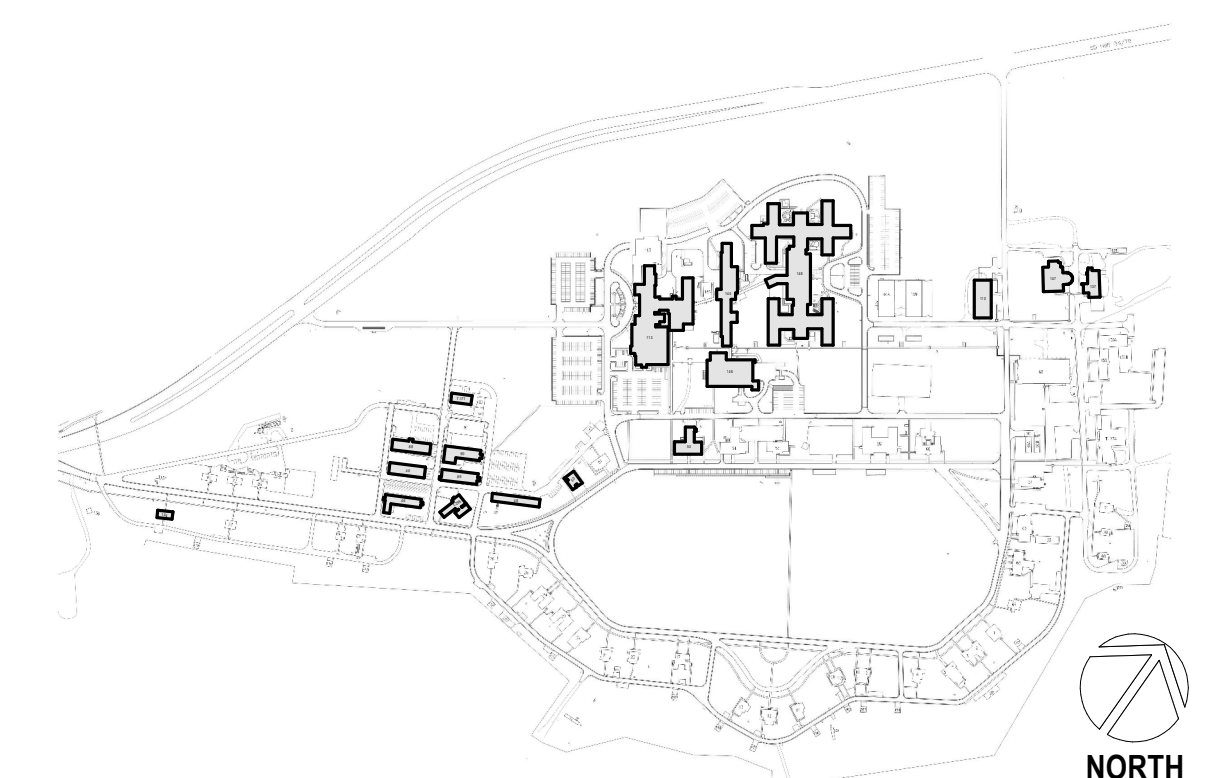
<div>Revisions:</div> <div>Date:</div>	CONSULTANT MECHANICAL ENGINEER GDM 4317 6TH AVE SE, SUITE 300 LACEY, WA 98503 541.436.4723 SCOTTEN BLAIR, P.E.		ARCHITECT/ENGINEER OF RECORD A/E GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 ADAM GODDIN, P.E.		STAMP 		OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT U.S. Department of Veterans Affairs		DRAWING TITLE 113 - MECHANICAL DEMOLITION - BASEMENT - OVERALL APPROVED: NOT FOR CONSTRUCTION FOR OFFICIAL USE ONLY (FOUO)		PHASE 100% CONSTRUCTION DOCUMENTS FLS FULLY SPRINKLERED		PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES LOCATION FORT MEADE, SOUTH DAKOTA ISSUE DATE 01/31/2025 CHECKED BY ADR DRAWN BY AF		PROJECT NUMBER 568-21-701 BUILDING NUMBER BLDG 113 DRAWING NUMBER 113-MD-001	



1 BUILDING 113 - FIRST FLOOR DEMOLITION PLAN - OVERALL
1/16" = 1'-0"



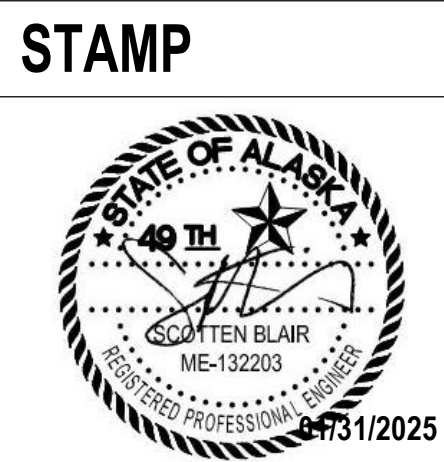
PROJECT KEY PLAN
VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



Revisions:	Date:

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VA U.S. Department
of Veterans Affairs

DRAWING TITLE
113 - MECHANICAL DEMOLITION -
FIRST FLOOR - OVERALL
APPROVED:
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PHASE
100% CONSTRUCTION
DOCUMENTS
FLS
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PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES
LOCATION
FORT MEADE, SOUTH DAKOTA
ISSUE DATE
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ADR
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AF

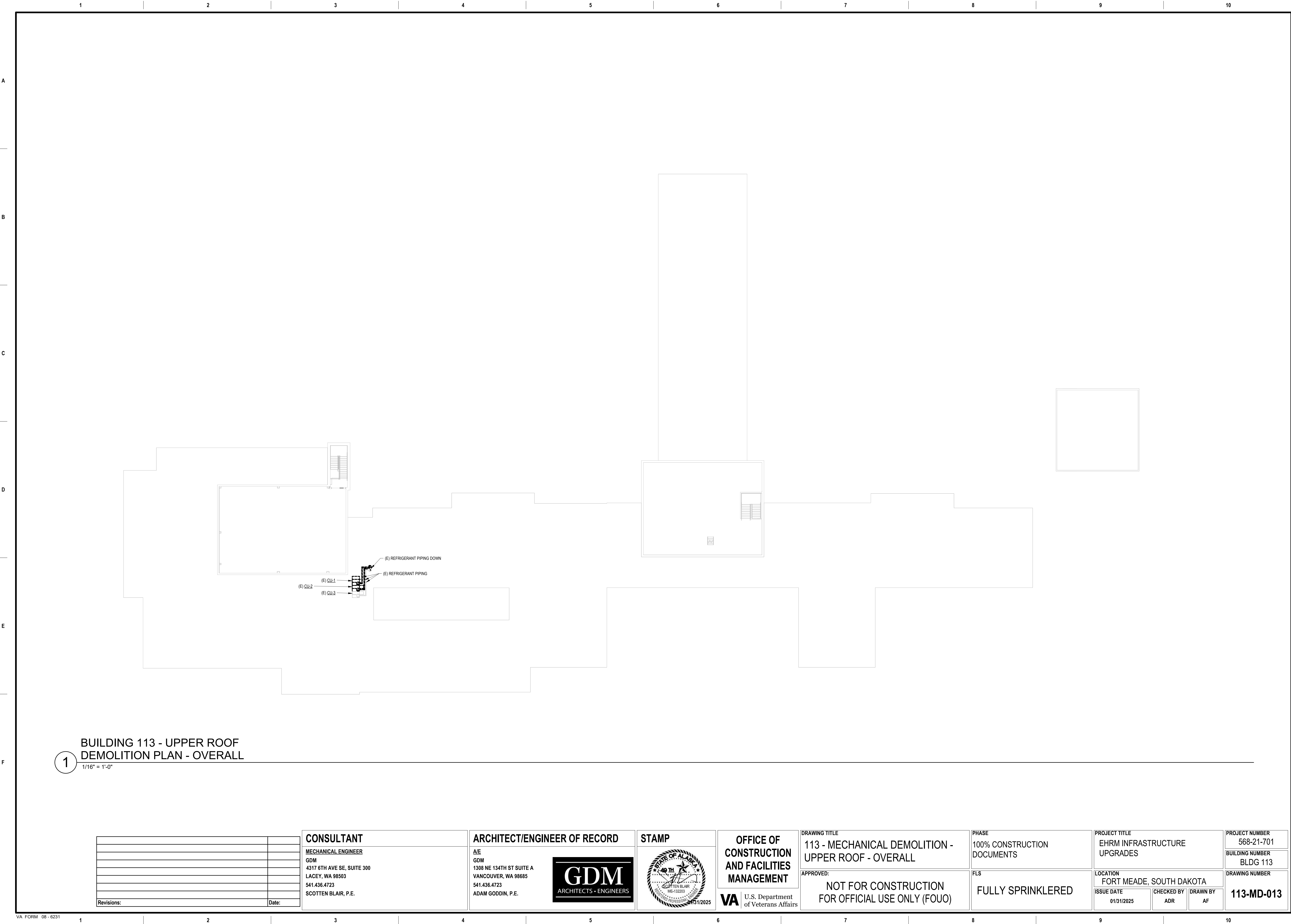
PROJECT NUMBER
568-21-701
BUILDING NUMBER
BLDG 113
DRAWING NUMBER
113-MD-011



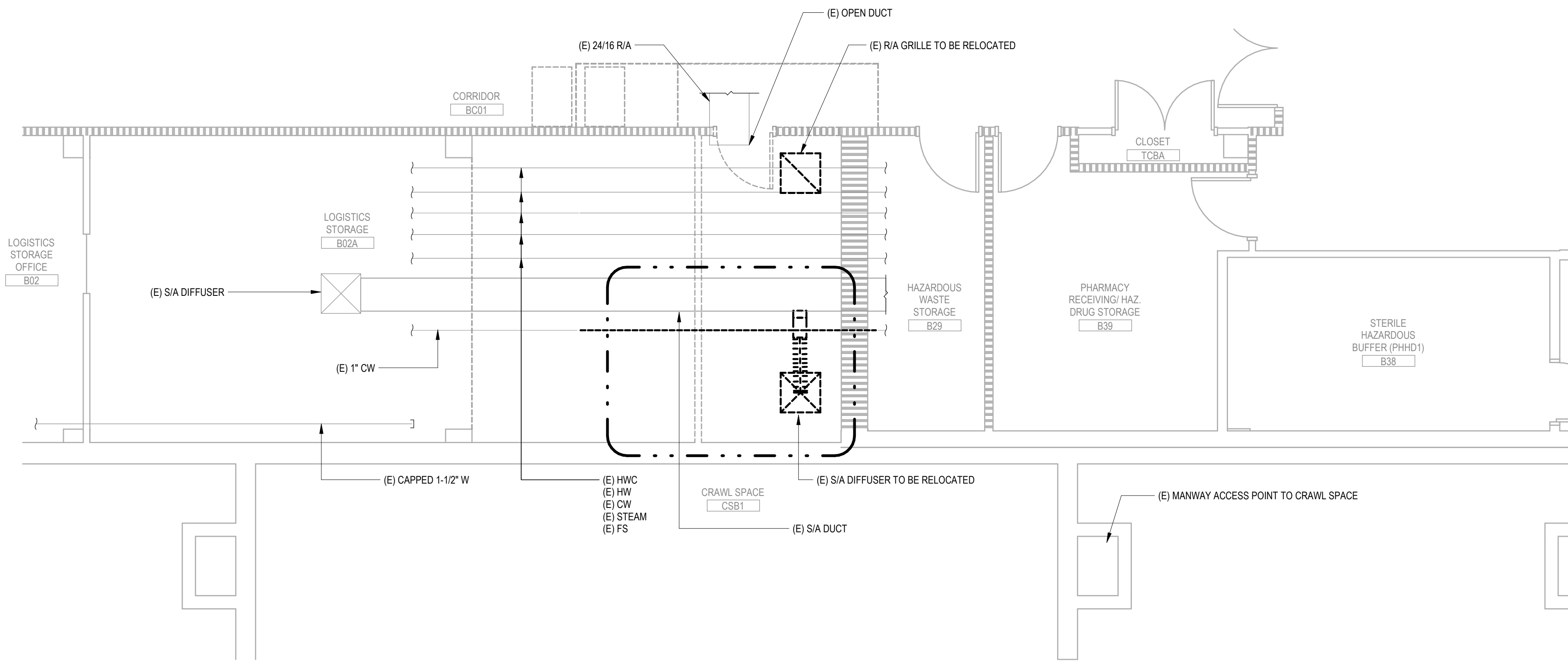
1

1'-0"

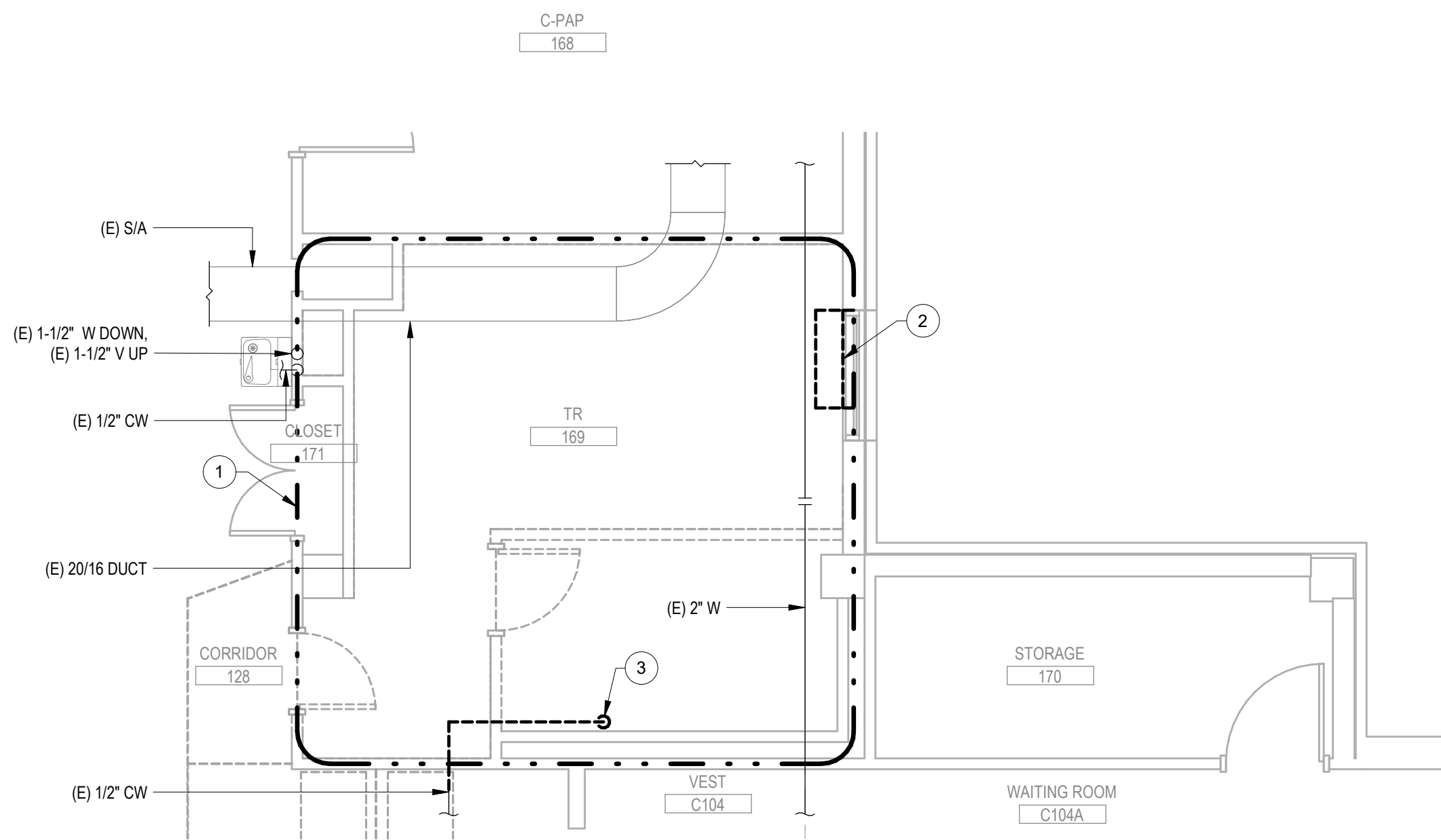
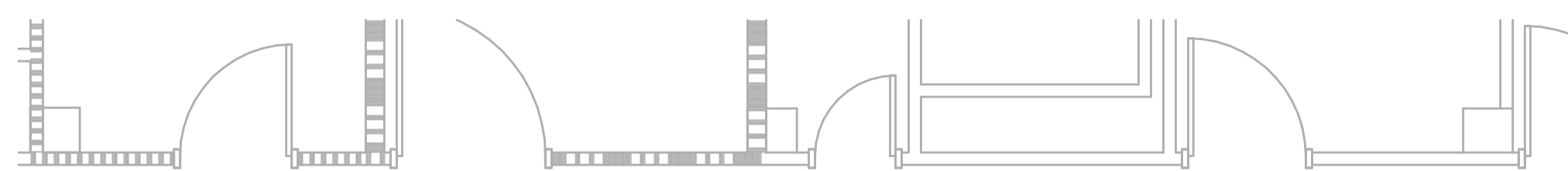
PROJECT NUMBER 568-21-701
BUILDING NUMBER BLDG 113
DRAWING NUMBER 113-MD-012



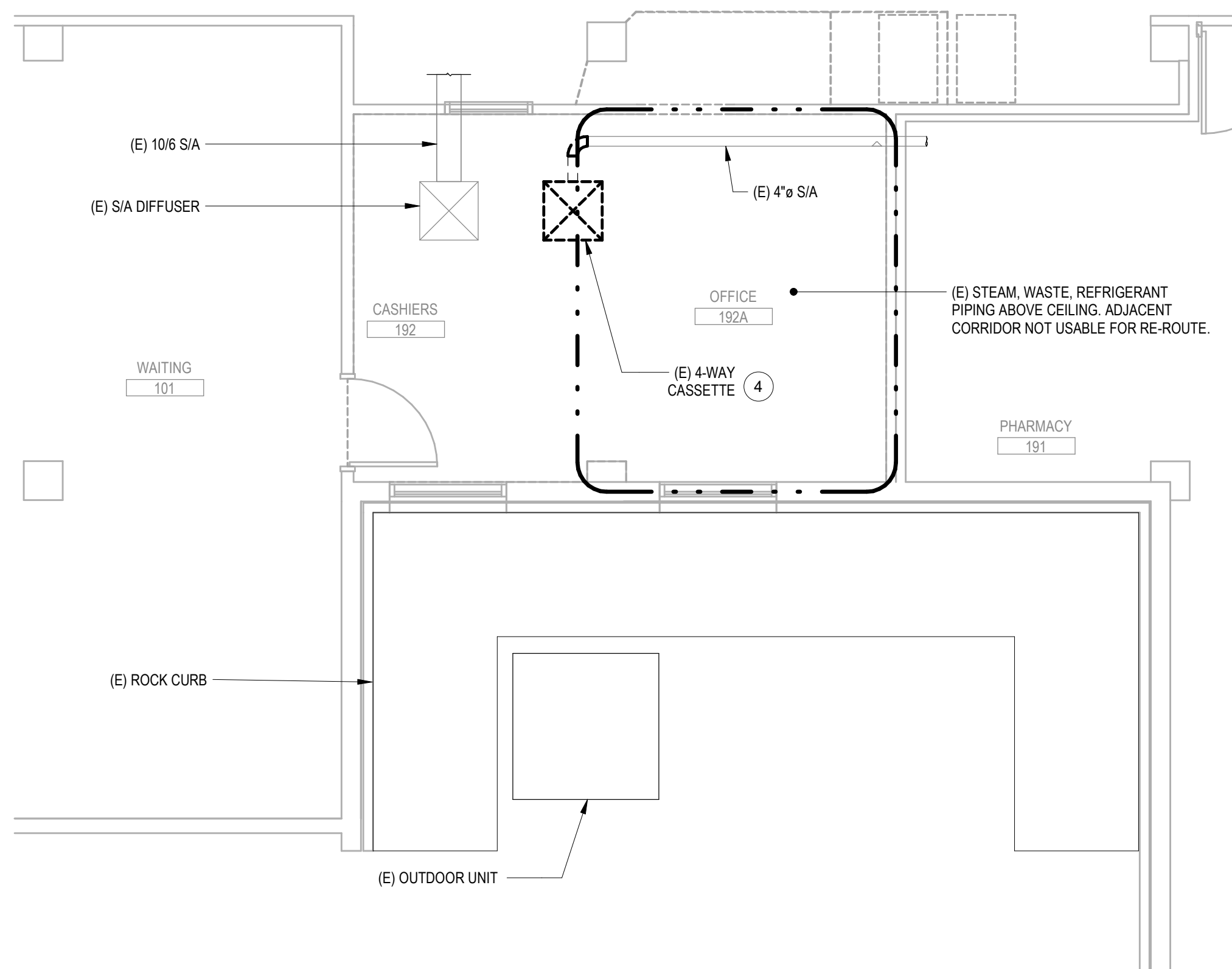
- PLAN NOTES**
- 1 APPROXIMATE OUTLINE OF NEW TR AREA. SEE REMODEL SHEETS FOR ALL DISCIPLINES FOR ADDITIONAL INFORMATION.
 - 2 DEMOLISH EXISTING WINDOW MOUNTED COOLING UNIT. DEMOLISH EXISTING ELECTRIC CABINET UNIT HEATER BELOW WINDOW.
 - 3 DEMOLISH CW PIPING AS SHOWN AND CAP.
 - 4 SALVAGE EXISTING CEILING CASSETTE FOR RELOCATION.



3 BUILDING 113 - ENLARGED BASEMENT DEMOLITION PLAN
1/4" = 1'-0"



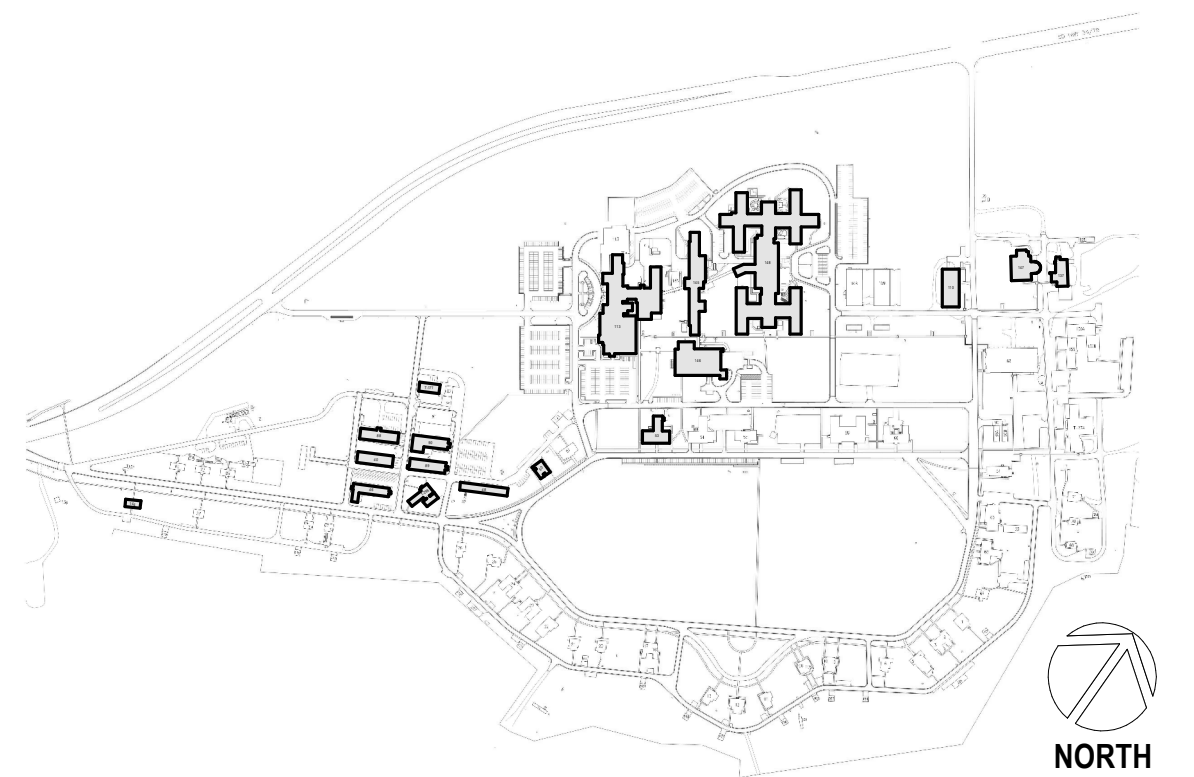
1 BUILDING 113 - ENLARGED FIRST FLOOR DEMOLITION PLAN - 169
1/4" = 1'-0"



2 BUILDING 113 - ENLARGED FIRST FLOOR DEMOLITION PLAN - 192
1/4" = 1'-0"



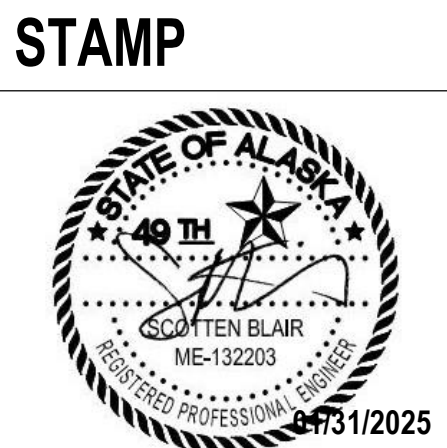
PROJECT KEY PLAN
VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



Revisions:	Date:

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**OFFICE OF
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VA U.S. Department
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DRAWING TITLE
113 - ENLARGED DEMOLITION
PLANS
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PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES			PROJECT NUMBER 568-21-701	
LOCATION FORT MEADE, SOUTH DAKOTA			BUILDING NUMBER BLDG 113	
ISSUE DATE 01/31/2025	CHECKED BY ADR	DRAWN BY AF	DRAWING NUMBER 113-MD-014	



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ARCHITECTS • ENGINEERS



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DRAWING TITLE

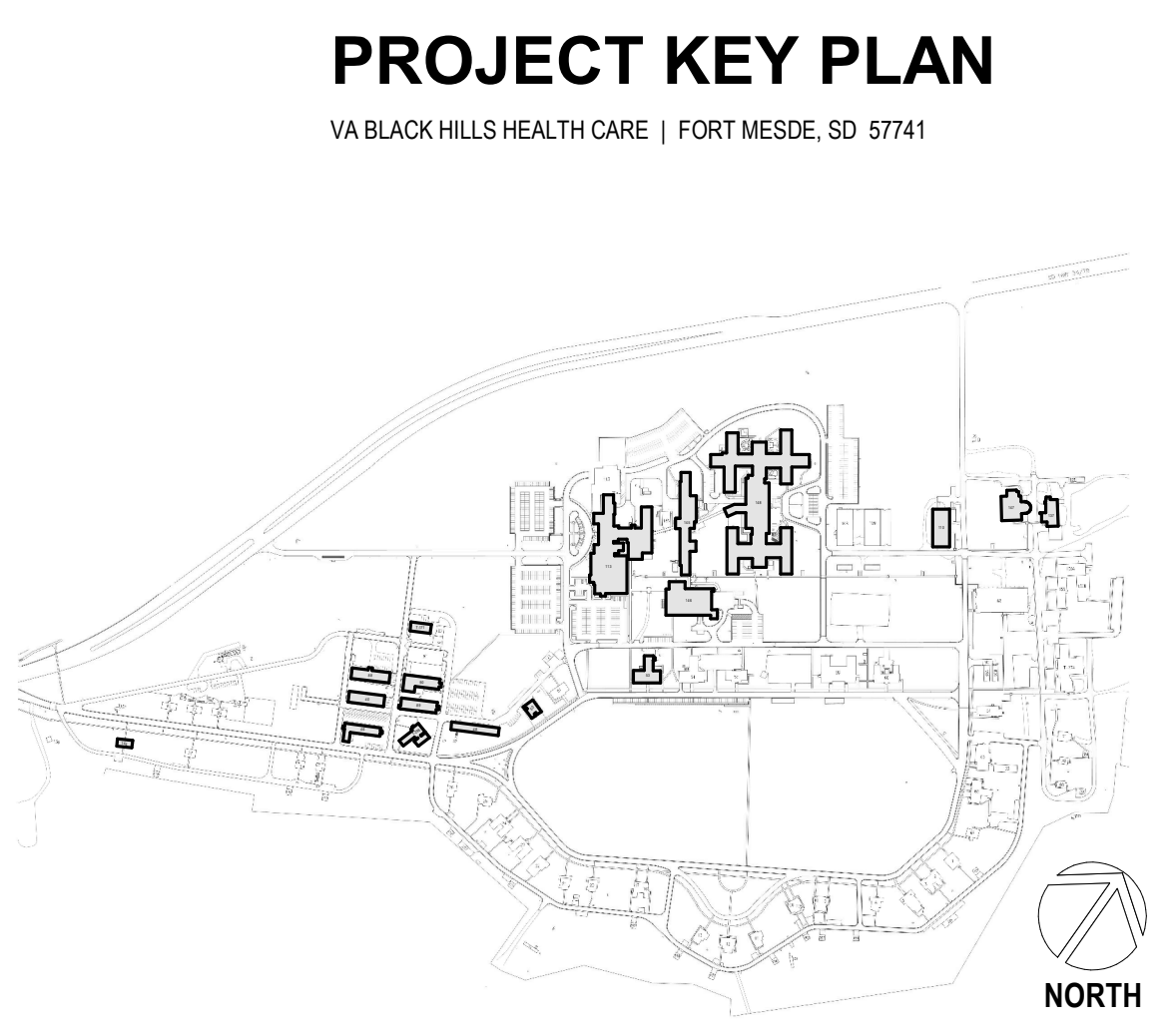
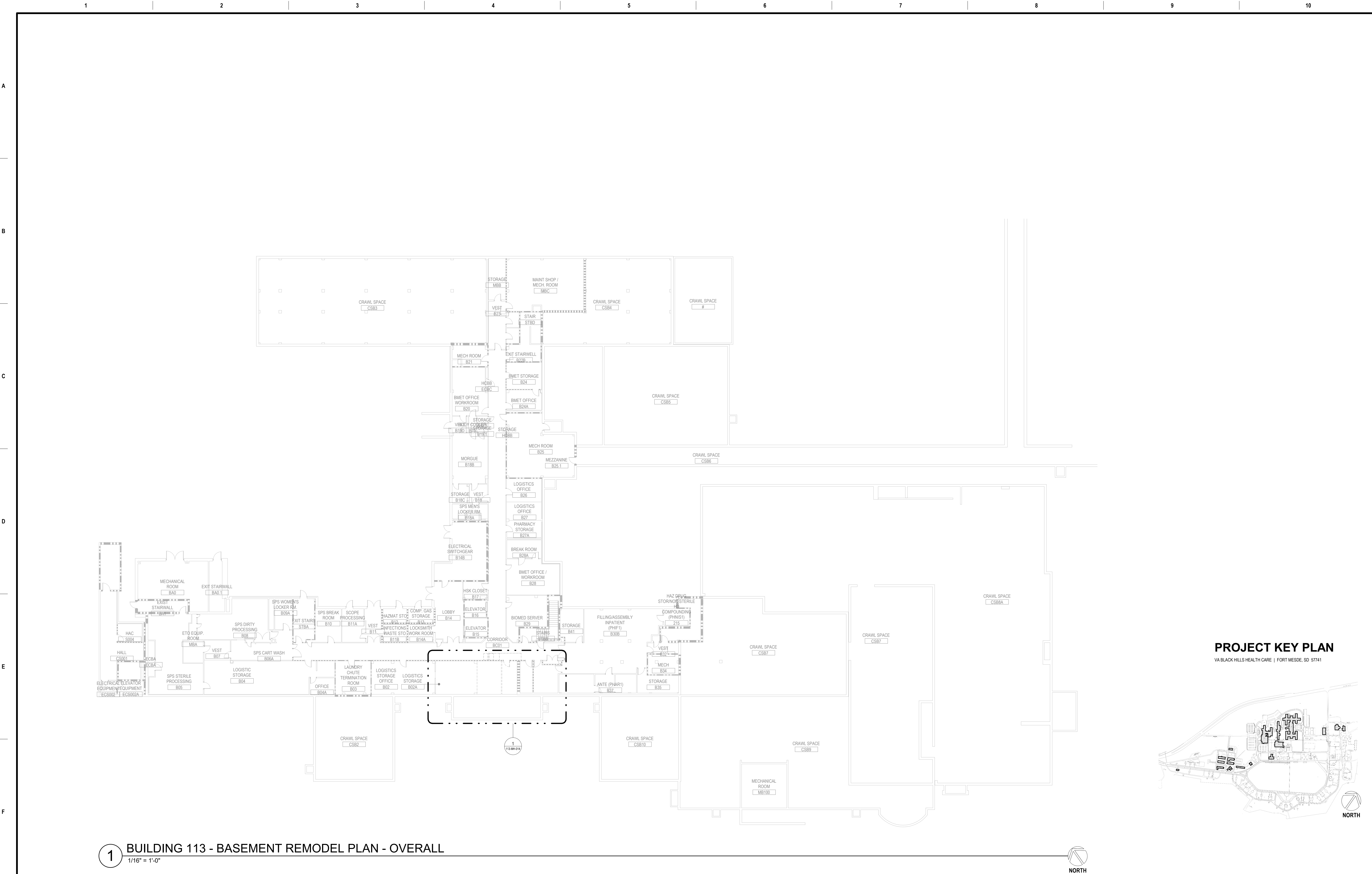
113 - ENLARGED DEMOLITION
PLANS

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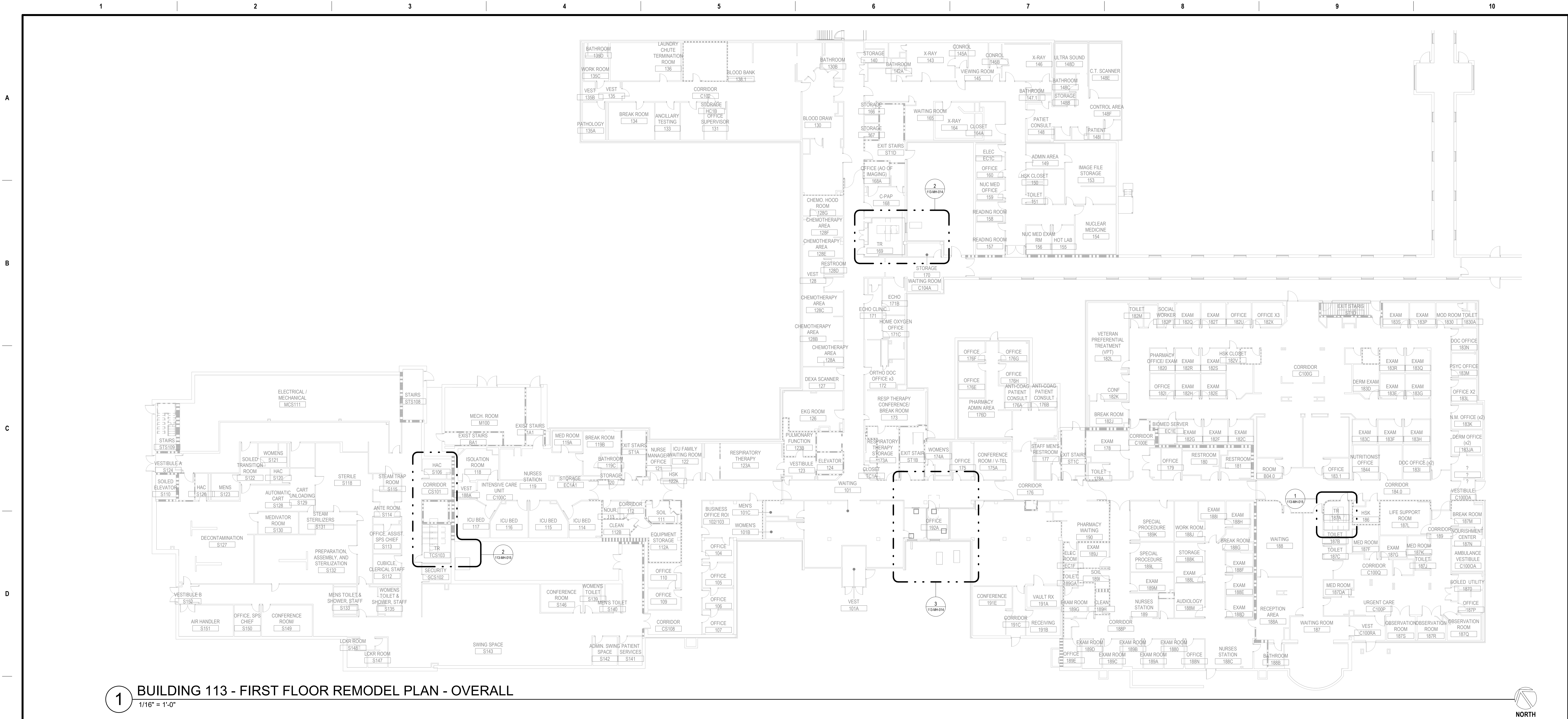
PHASE	100% CONSTRUCTION DOCUMENTS
FLS	FULLY SPRINKLERED

PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES			PROJECT NUMBER 568-21-701
LOCATION FORT MEADE, SOUTH DAKOTA			BUILDING NUMBER BLDG 113
			DRAWING NUMBER 113-MD-015
ISSUE DATE 01/31/2025	CHECKED BY ADR	DRAWN BY AF	



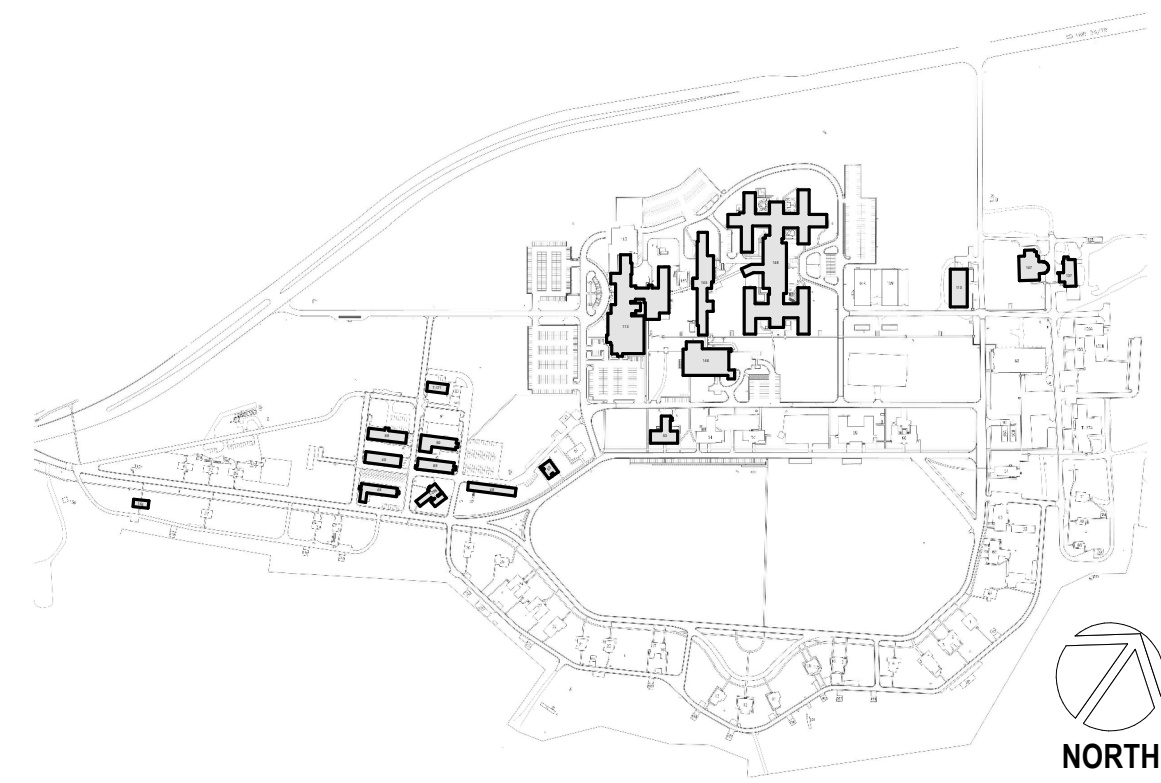
1 BUILDING 113 - BASEMENT REMODEL PLAN - OVERALL
1/16" = 1'-0"

		CONSULTANT MECHANICAL ENGINEER GDM 4317 6TH AVE SE, SUITE 300 LACEY, WA 98503 541.436.4723 SCOTTEN BLAIR, P.E.		ARCHITECT/ENGINEER OF RECORD A/E GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 ADAM GODDIN, P.E.		STAMP STATE OF ALASKA SCOTTEN BLAIR ME-132203 1/31/2025		OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT VA U.S. Department of Veterans Affairs		DRAWING TITLE 113 - MECHANICAL REMODEL - BASEMENT - OVERALL APPROVED: NOT FOR CONSTRUCTION FOR OFFICIAL USE ONLY (FOUO)		PHASE 100% CONSTRUCTION DOCUMENTS FLS FULLY SPRINKLERED		PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES LOCATION FORT MEADE, SOUTH DAKOTA ISSUE DATE 01/31/2025 CHECKED BY ADR DRAWN BY AF		PROJECT NUMBER 568-21-701 BUILDING NUMBER BLDG 113 DRAWING NUMBER 113-MH-001	
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1 BUILDING 113 - FIRST FLOOR REMODEL PLAN - OVERALL
1/16" = 1'-0"

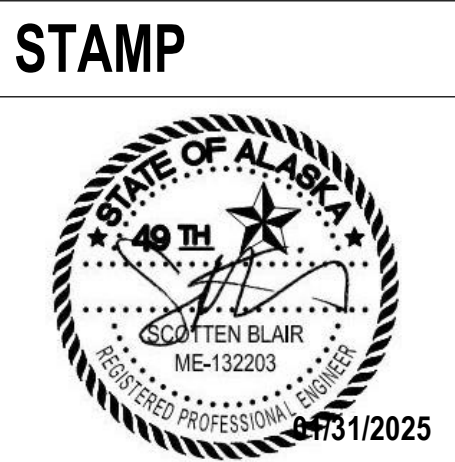
PROJECT KEY PLAN
VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



Revisions:	Date:

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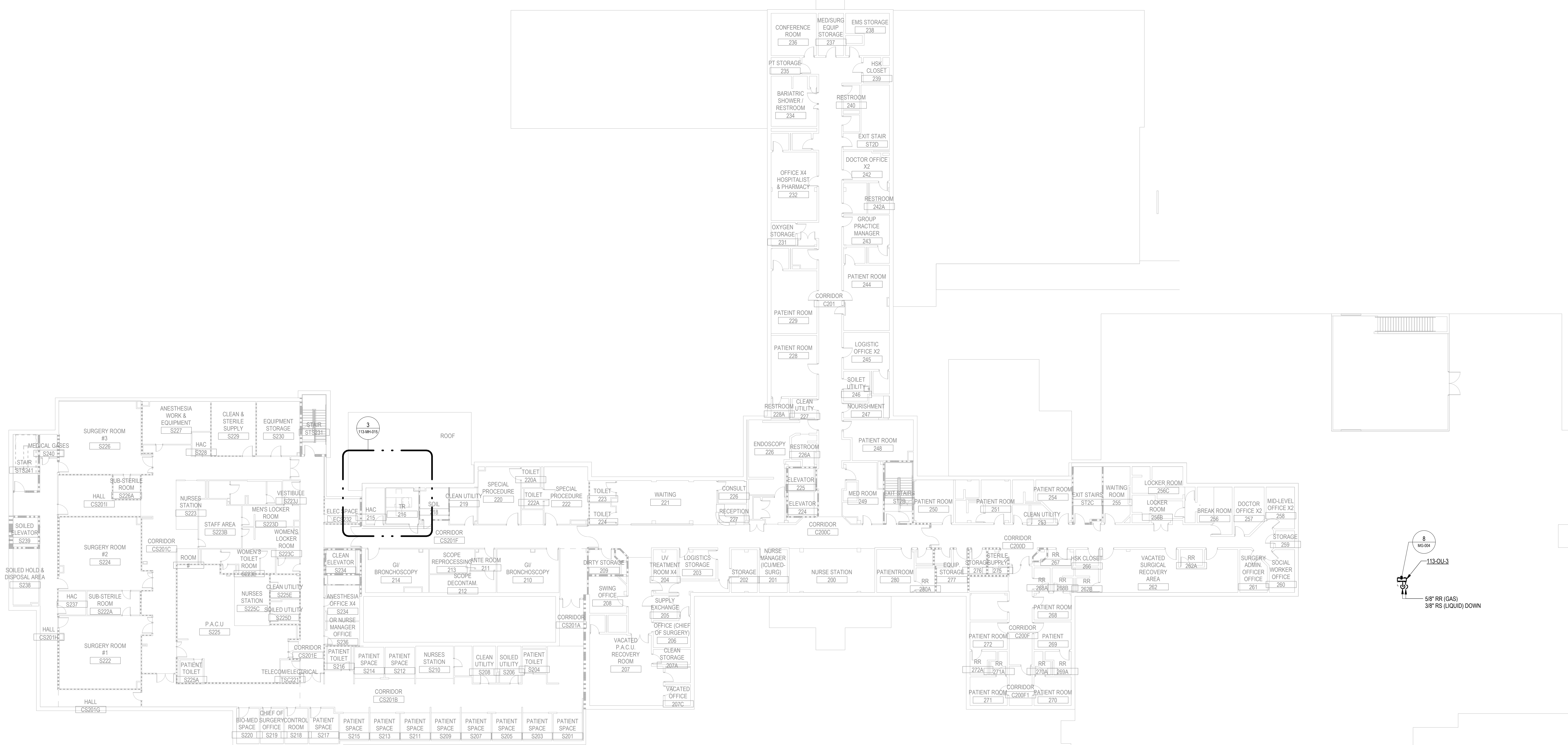
**OFFICE OF
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DRAWING TITLE
113 - MECHANICAL REMODEL -
FIRST FLOOR - OVERALL
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PROJECT NUMBER
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BLDG 113
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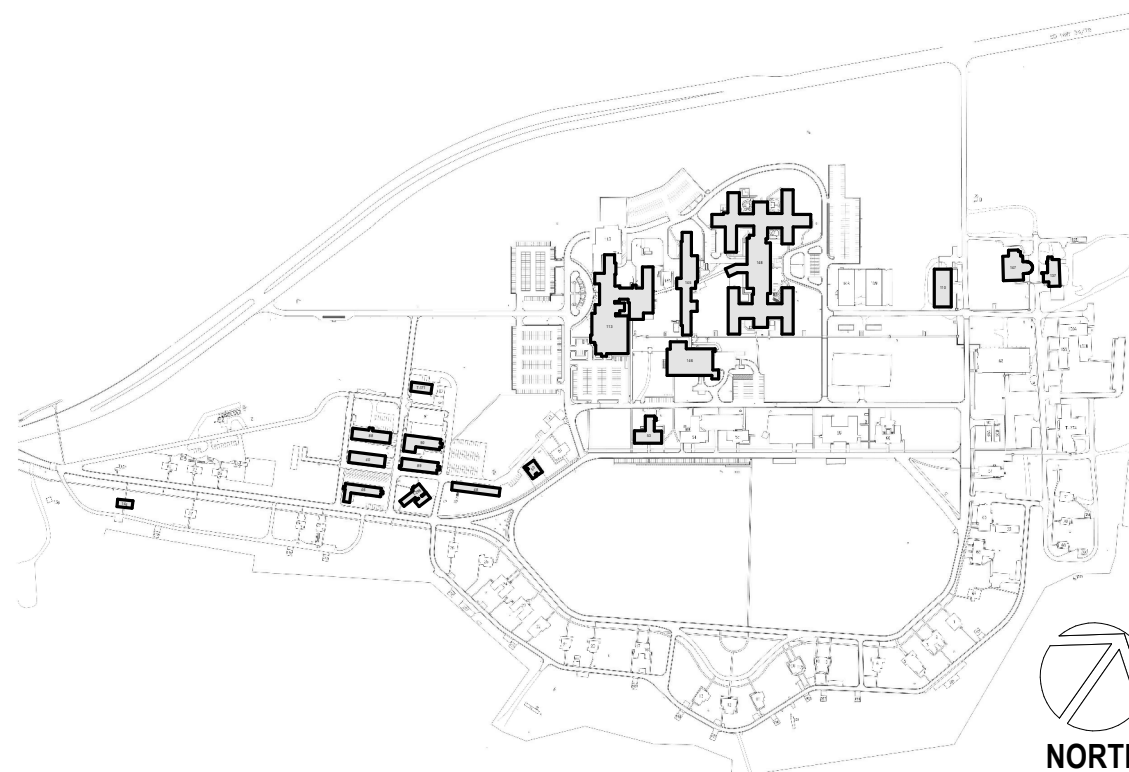


**BUILDING 113 - SECOND FLOOR
REMODEL PLAN - OVERALL**

1
1/16" = 1'-0"

PROJECT KEY PLAN

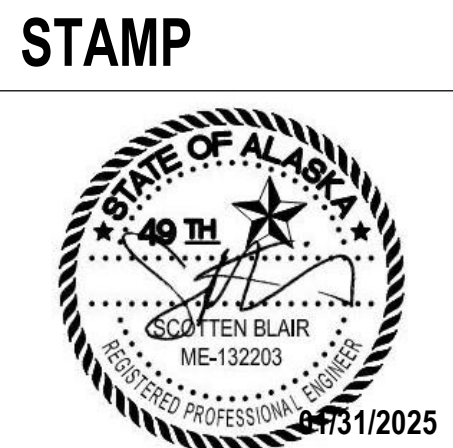
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GDM
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VANCOUVER, WA 98685
541.436.4723
ADAM GODDIN, P.E.



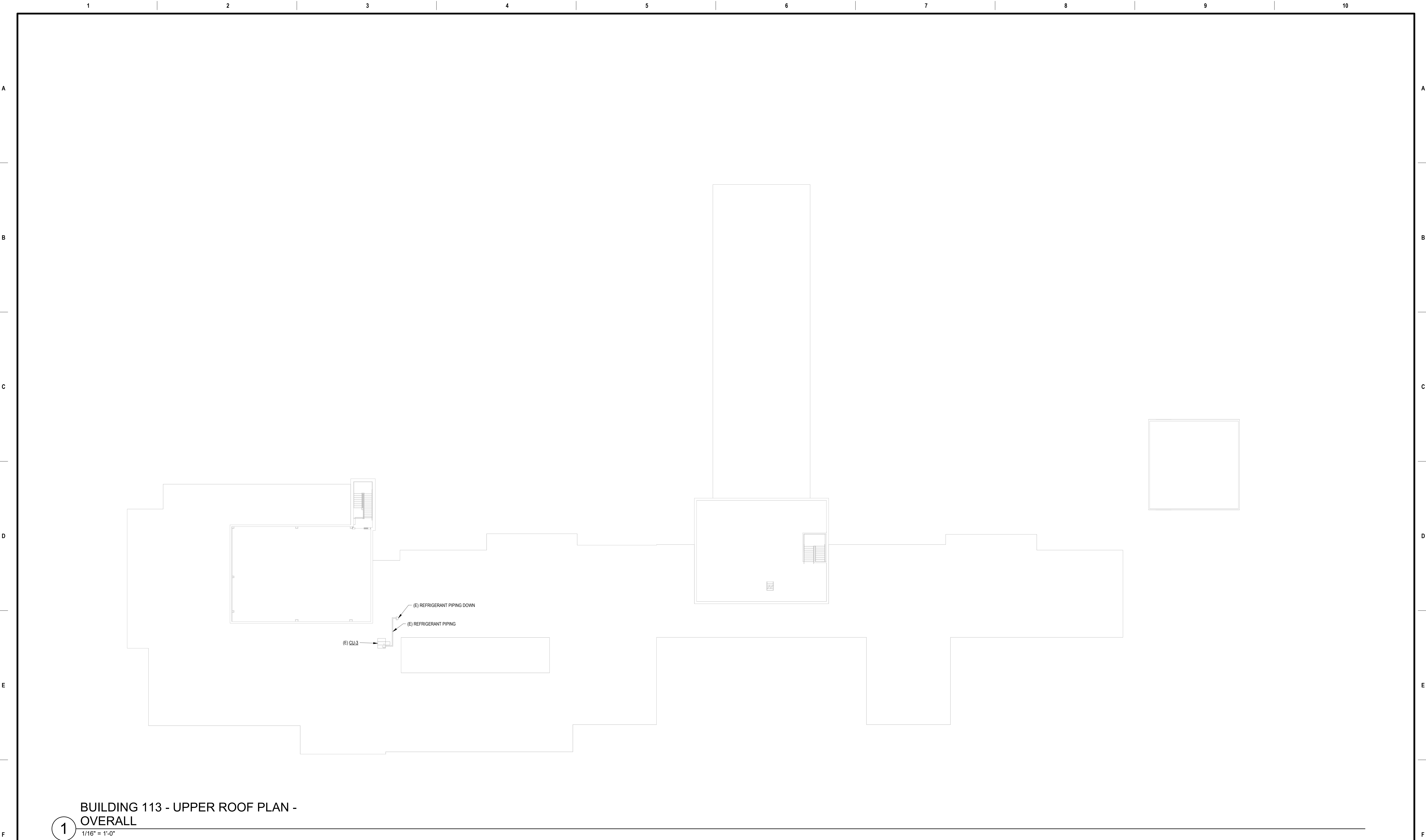
**OFFICE OF
CONSTRUCTION
AND FACILITIES
MANAGEMENT**
VA U.S. Department
of Veterans Affairs

DRAWING TITLE
113 - MECHANICAL REMODEL -
SECOND FLOOR - OVERALL
APPROVED:
NOT FOR CONSTRUCTION
FOR OFFICIAL USE ONLY (FOUO)

PHASE
100% CONSTRUCTION
DOCUMENTS
FLS
FULLY SPRINKLERED

PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES
LOCATION
FORT MEADE, SOUTH DAKOTA
ISSUE DATE
01/31/2025
CHECKED BY
ADR
DRAWN BY
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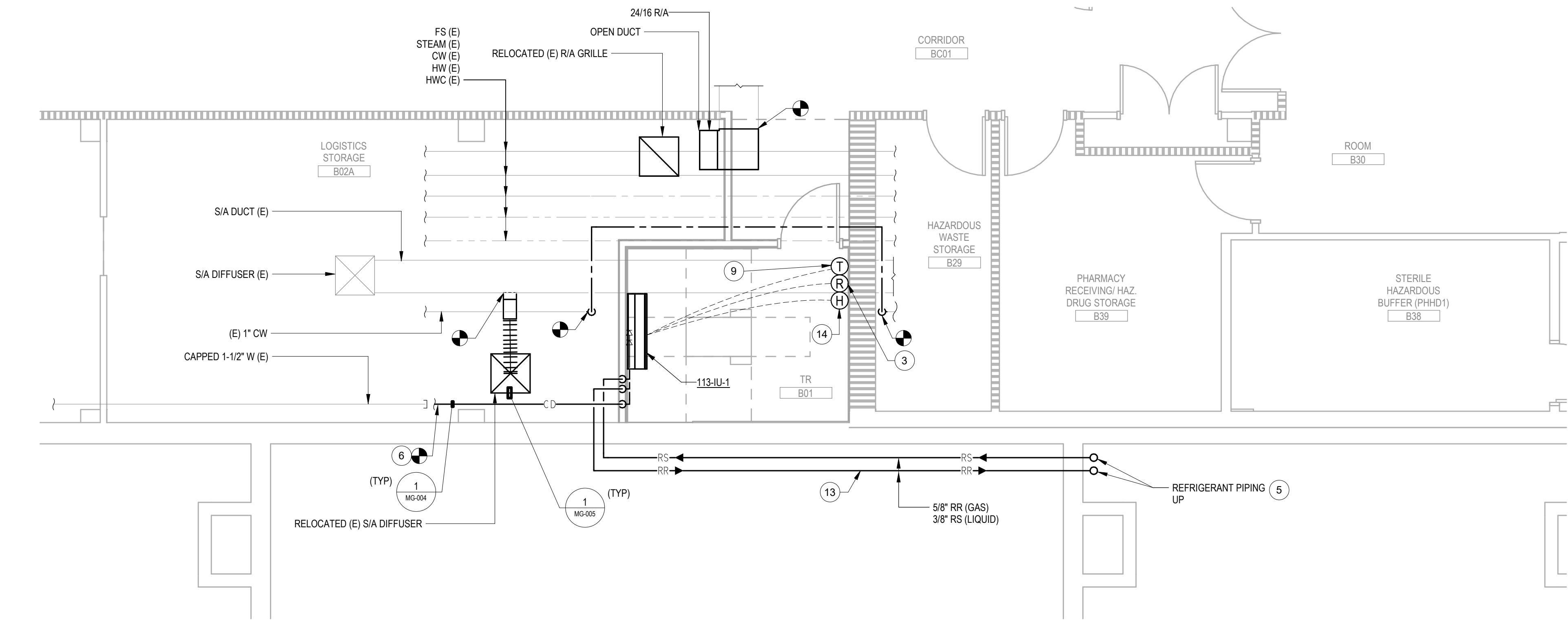
PROJECT NUMBER
568-21-701
BUILDING NUMBER
BLDG 113
DRAWING NUMBER
113-MH-012



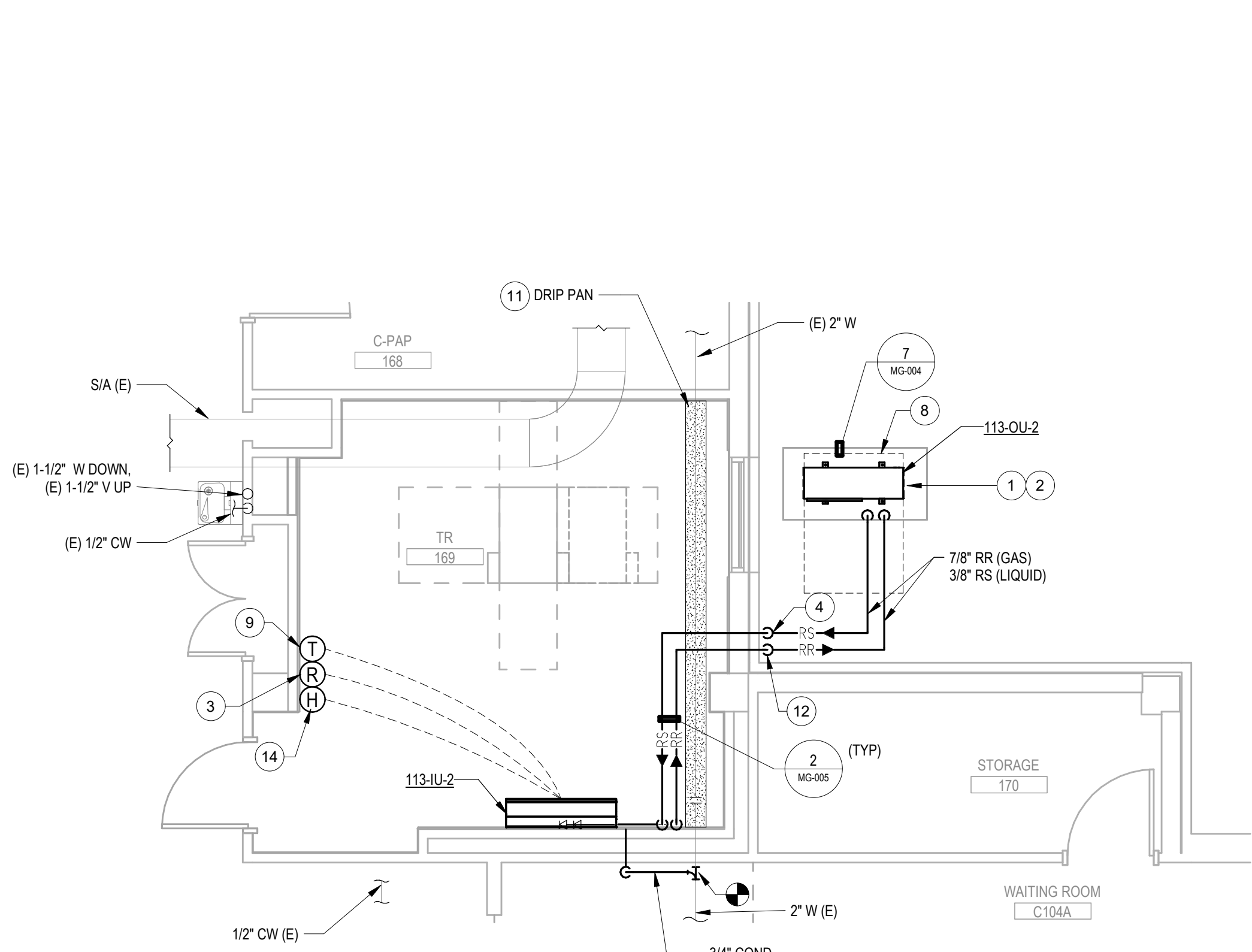
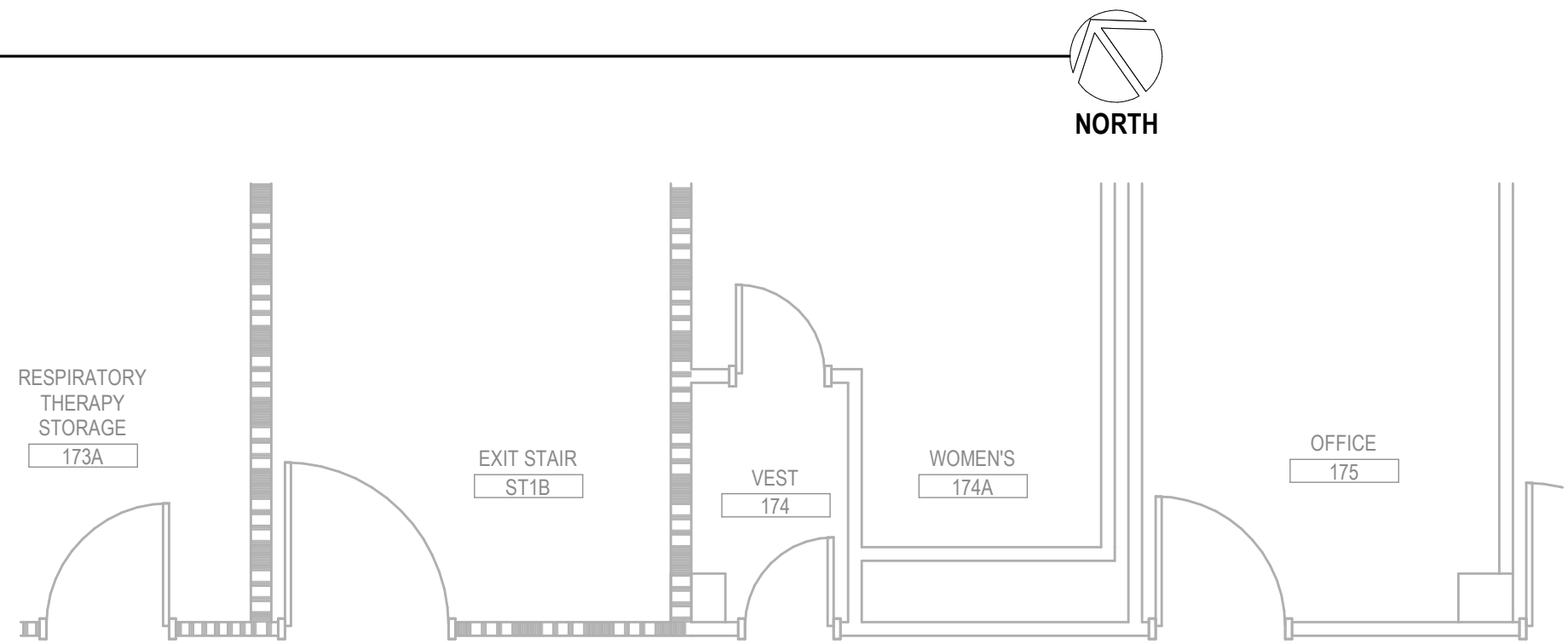
1 BUILDING 113 - UPPER ROOF PLAN -
OVERALL
1/16" = 1'-0"

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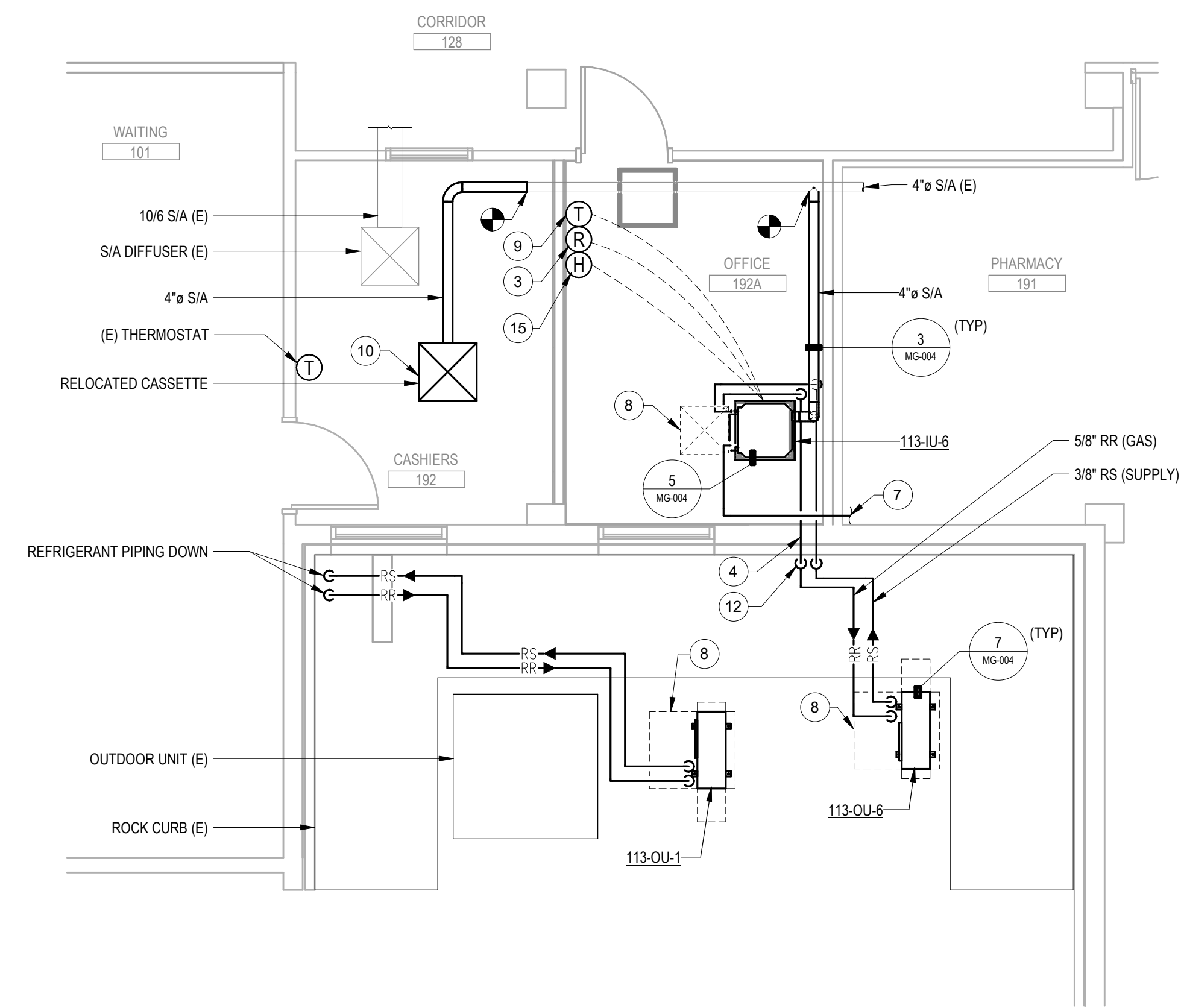
- PLAN NOTES**
- 1 REFER TO ARCHITECTURAL DOCUMENTS FOR CONDENSING UNIT PAD, SNOW PROTECTION AND STAND DETAILS.
 - 2 COORDINATE WITH CIVIL FOR EXTERIOR HOUSEKEEPING PAD DETAILS FOR OUTDOOR CONDENSING UNIT.
 - 3 INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
 - 4 SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
 - 5 SEE CIVIL FOR EXCAVATION DETAIL. SEE ARCHITECTURE FOR PENETRATION AND WELL DETAIL.
 - 6 ROUTE 3/4" CONDENSATE TO NEW AIR GAP FITTING IN EXISTING 1-1/2" W PIPE.
 - 7 ROUTE 3/4" CONDENSATE DOWN WALL TO NEW AIR GAP FITTING AT NEAREST SINK, DRINKING FOUNTAIN, OR LAVATORY DRAIN PIPE. PROVIDE WALL ACCESS HATCH. DEMOLISH AND PATCH WALL AS NECESSARY.
 - 8 EQUIPMENT SERVICE CLEARANCE (TYP).
 - 9 PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
 - 10 RELOCATE CEILING CASSETTE INTO CASHIER'S ROOM. RE-ROUTE AND EXTEND ASSOCIATED SUPPLY AIR DUCT AND REFRIGERANT PIPING AS REQUIRED. PROVIDE 3/4" DRAIN FROM DRIP PAN AND ROUTE SIMILAR TO INDOOR UNIT CONDENSATE DRAIN.
 - 11 PROVIDE WELDED SEAMLESS STAINLESS STEEL DRIP PAN BELOW ALL PIPING CONVEYING FLUIDS ABOVE TR AREA. DRIP PANS SHALL EXTEND 6" MIN FROM BOTH SIDES OF PIPE. PROVIDE 3/4" DRAIN FROM DRIP PAN AND ROUTE SIMILAR TO IU CONDENSATE DRAIN.
 - 12 REFRIGERANT PIPING ROUTED DOWN EXTERIOR WALL TO CONDENSING UNIT.
 - 13 ROUTE PIPING AS TIGHT TO STRUCTURE AS POSSIBLE.
 - 14 PROVIDE HUMIDITY AND TEMPERATURE SENSOR IN TR ROOM, MOUNTED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
 - 15 PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.



1 BUILDING 113 - ENLARGED BASEMENT REMODEL PLAN
1/4" = 1'-0"

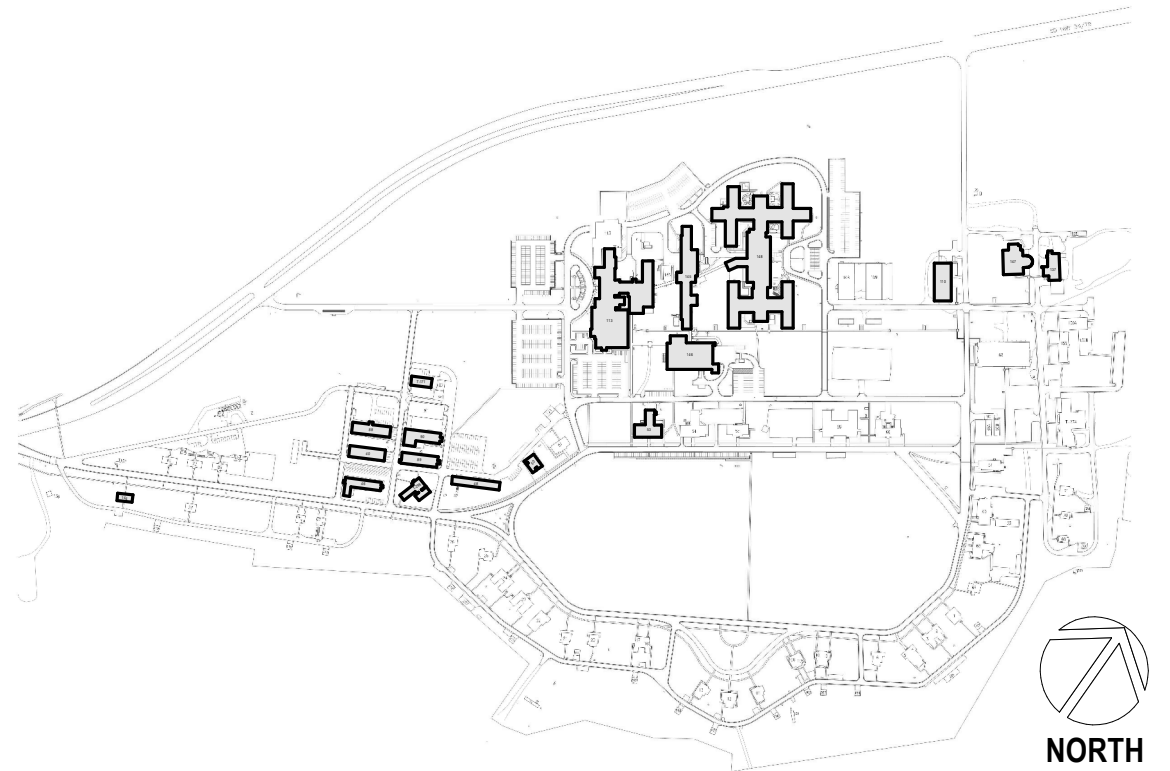


2 BUILDING 113 - ENLARGED FIRST FLOOR REMODEL PLAN - 169
1/4" = 1'-0"



3 BUILDING 113 - ENLARGED FIRST FLOOR REMODEL PLAN - 192
1/4" = 1'-0"

PROJECT KEY PLAN
VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 5741



Revisions:	Date:

CONSULTANT
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4317 6TH AVE SE, SUITE 300
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541.436.4723
ADAM GODDIN, P.E.



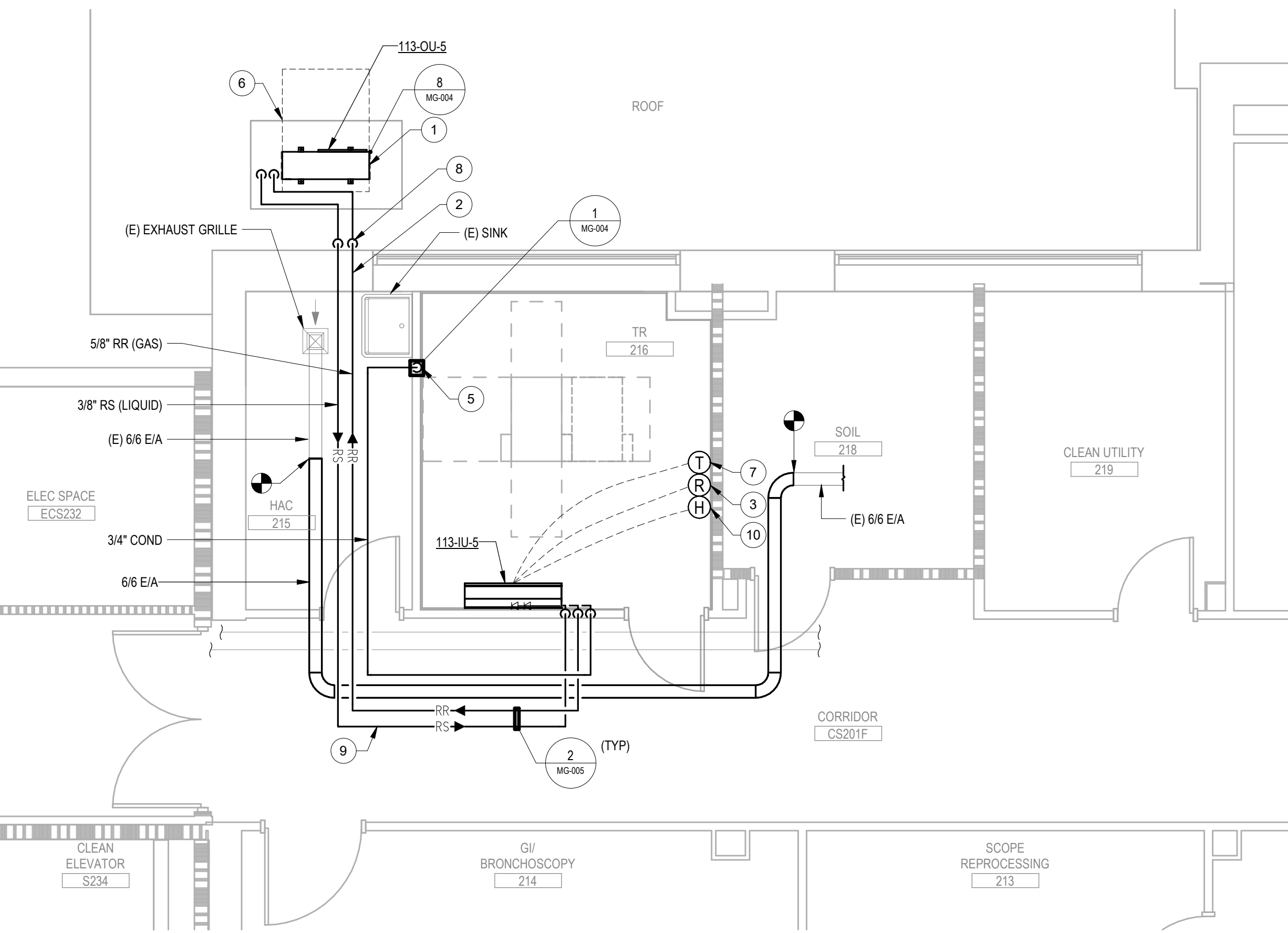
**OFFICE OF
CONSTRUCTION
AND FACILITIES
MANAGEMENT**
VA U.S. Department
of Veterans Affairs

DRAWING TITLE
113 - ENLARGED REMODEL PLANS
APPROVED:
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FOR OFFICIAL USE ONLY (FOUO)**

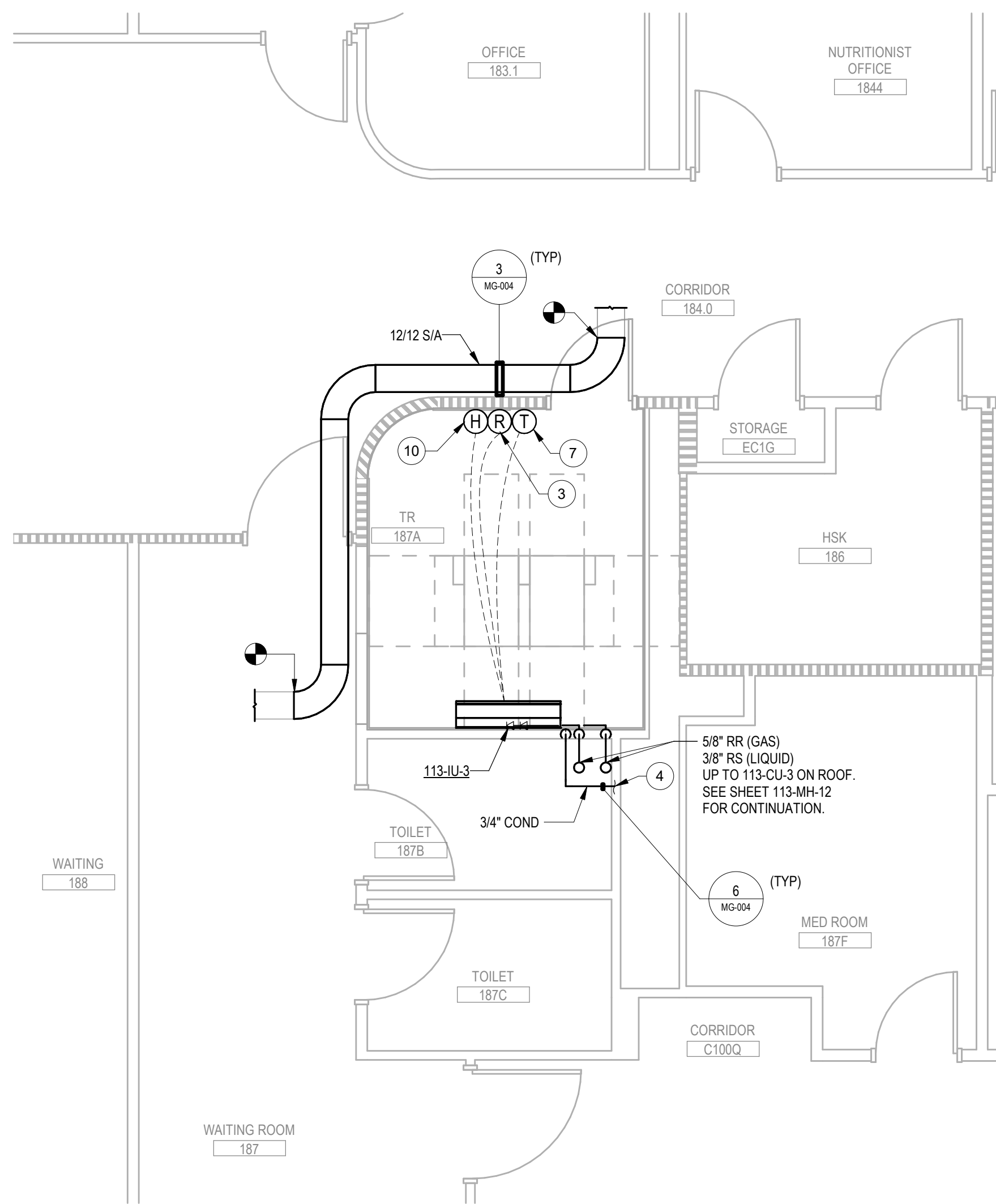
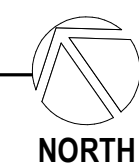
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100% CONSTRUCTION
DOCUMENTS
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FULLY SPRINKLERED

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ISSUE DATE
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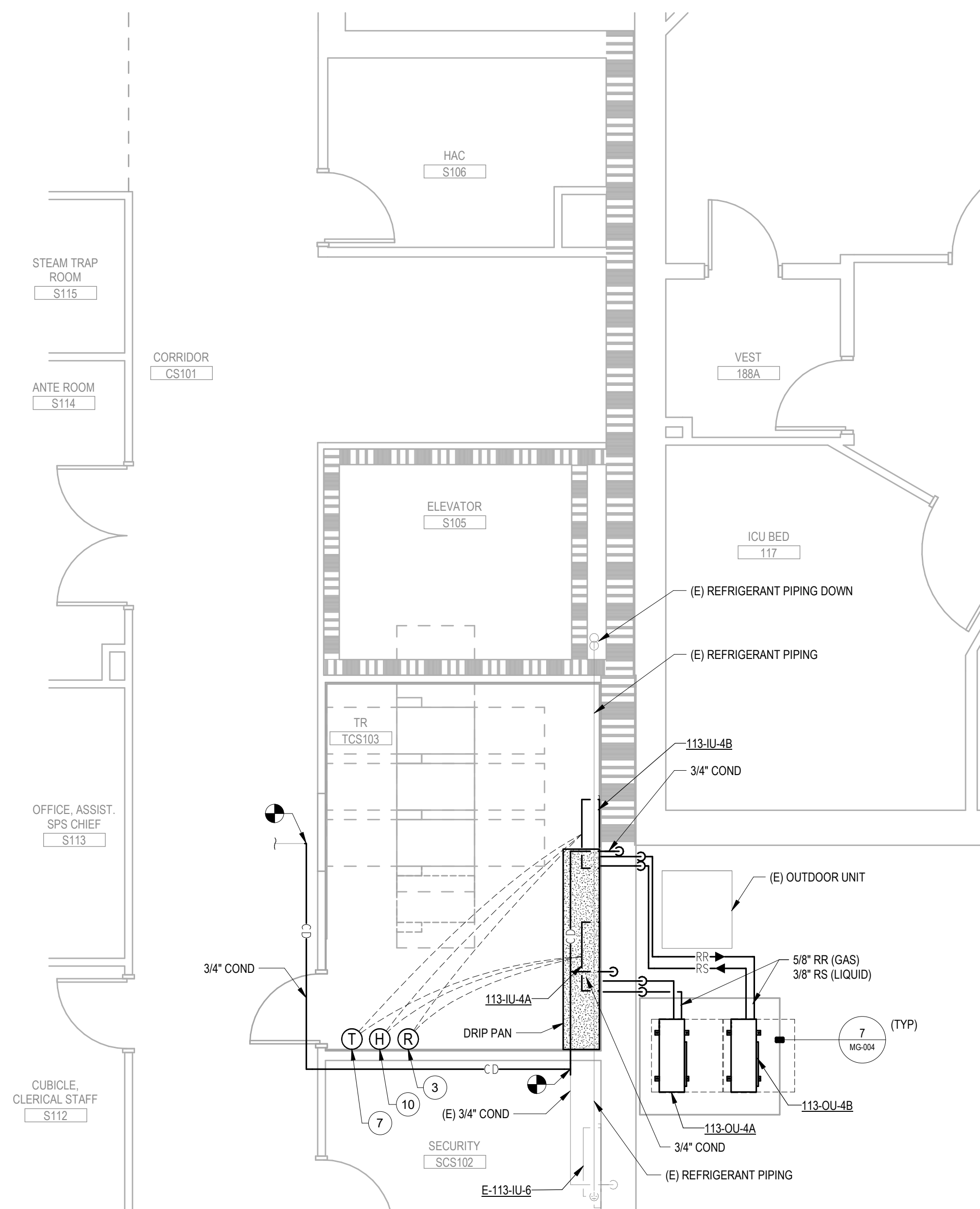
PROJECT NUMBER
568-21-701
BUILDING NUMBER
BLDG 113
DRAWING NUMBER
113-MH-014



3 BUILDING 113 - ENLARGED SECOND FLOOR PLAN - 216
1/4" = 1'-0"



1 BUILDING 113 - ENLARGED FIRST FLOOR REMODEL PLAN - 187A
1/4" = 1'-0"



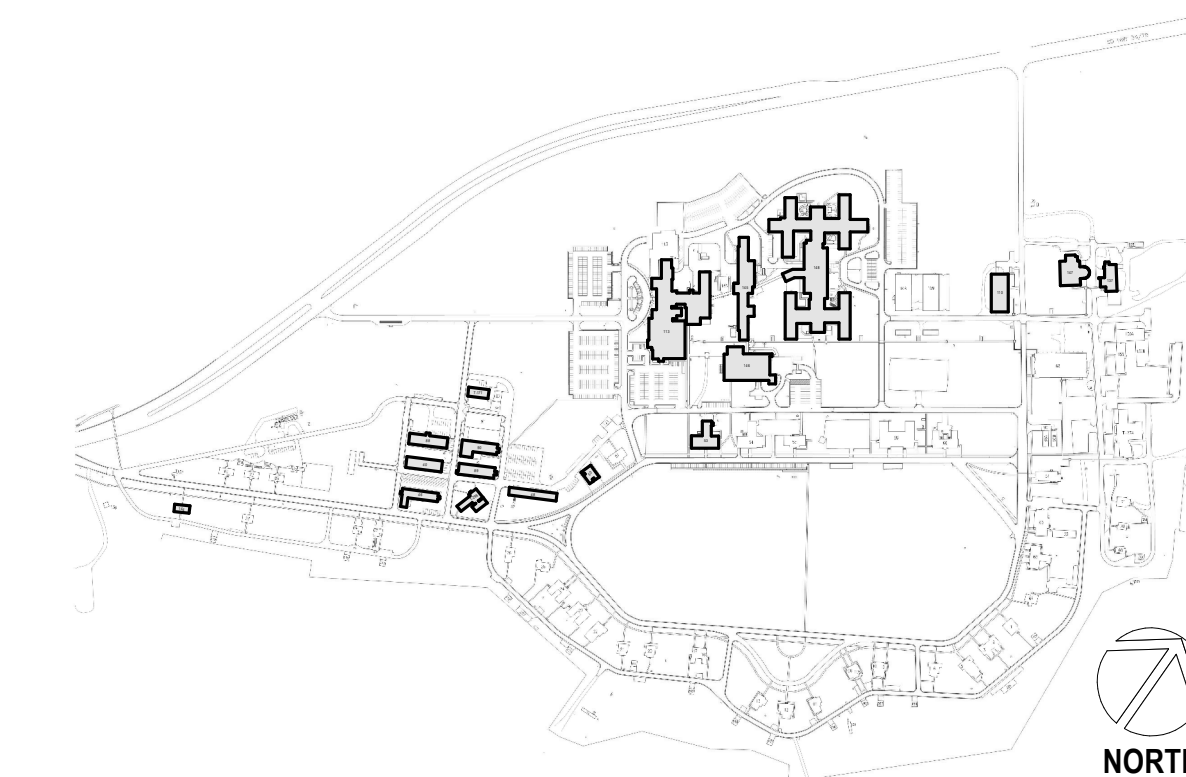
2 BUILDING 113 - ENLARGED FIRST FLOOR REMODEL PLAN - TCS103
1/4" = 1'-0"



- PLAN NOTES**
- 1 REFER TO ARCHITECTURAL DOCUMENTS FOR CONDENSING UNIT PAD, SNOW PROTECTION AND STAND DETAILS.
 - 2 SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
 - 3 INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
 - 4 ROUTE 3/4" CONDENSATE DOWN TO PLUMBING CHASE. PROVIDE NEW AIRGAP FITTING AND CONNECT TO EXISTING WASTE.
 - 5 ROUTE 3/4" CONDENSATE DOWN TO (E) JANITOR SINK.
 - 6 EQUIPMENT SERVICE CLEARANCE (TYP).
 - 7 PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
 - 8 REFRIGERANT PIPING ROUTED DOWN EXTERIOR WALL TO CONDENSING UNIT.
 - 9 ROUTE PIPING AS TIGHT TO STRUCTURE AS POSSIBLE.
 - 10 PROVIDE HUMIDITY AND TEMPERATURE SENSOR IN TR ROOM, MOUNTED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.

PROJECT KEY PLAN

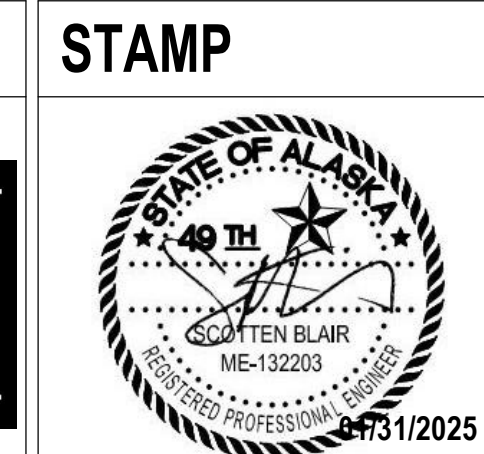
VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



Revisions:	Date:

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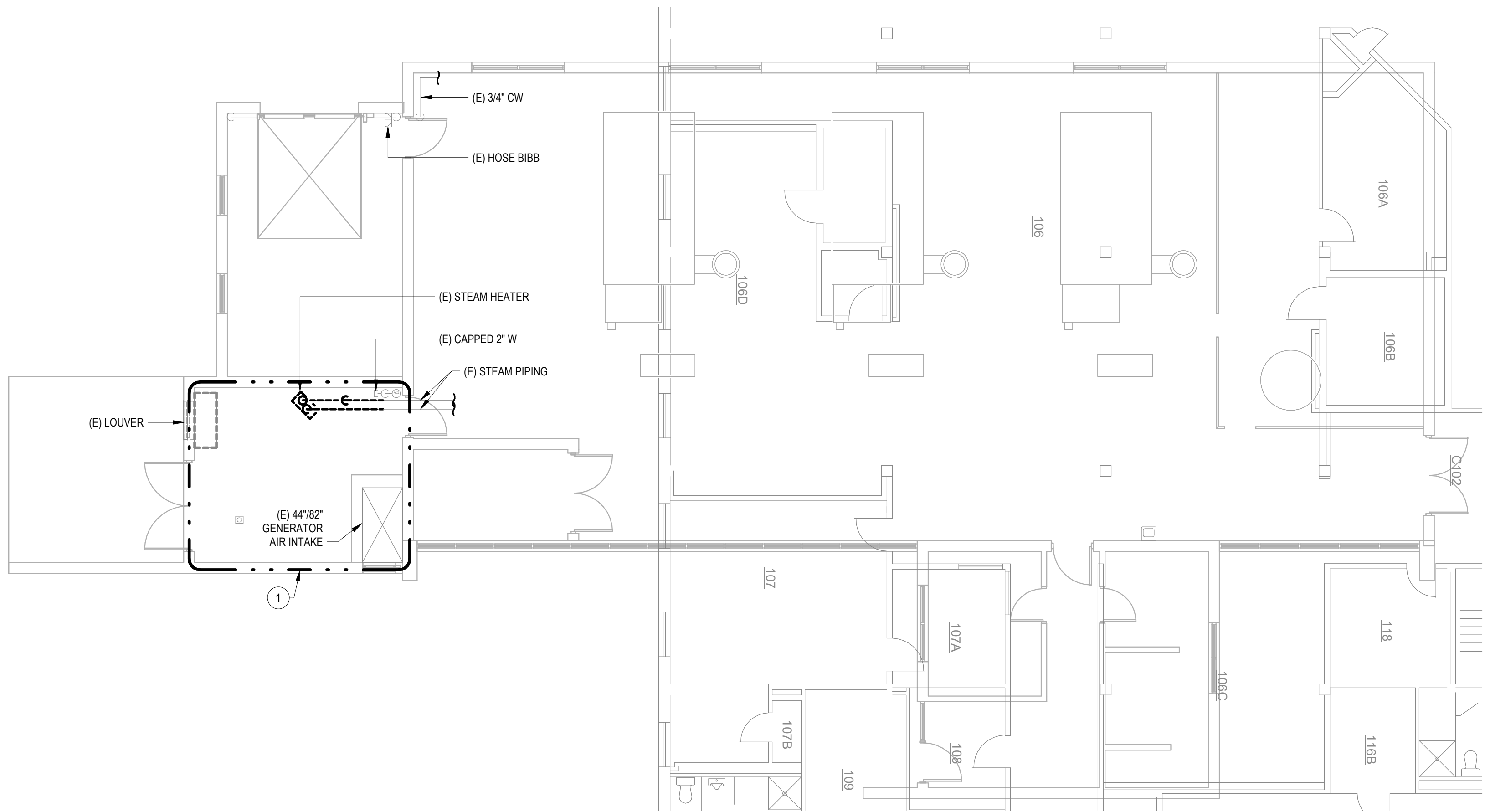
DRAWING TITLE
113 - ENLARGED REMODEL PLANS
APPROVED:
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PHASE
100% CONSTRUCTION
DOCUMENTS
FLS
FULLY SPRINKLERED

PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES
LOCATION
FORT MEADE, SOUTH DAKOTA
ISSUE DATE
01/31/2025
CHECKED BY
ADR
DRAWN BY
AF

PROJECT NUMBER
568-21-701
BUILDING NUMBER
BLDG 113
DRAWING NUMBER
113-MH-015

PLAN NOTES
1 APPROXIMATE OUTLINE OF NEW TE AREA. SEE REMODEL SHEETS FOR ALL DISCIPLINES FOR ADDITIONAL INFORMATION.

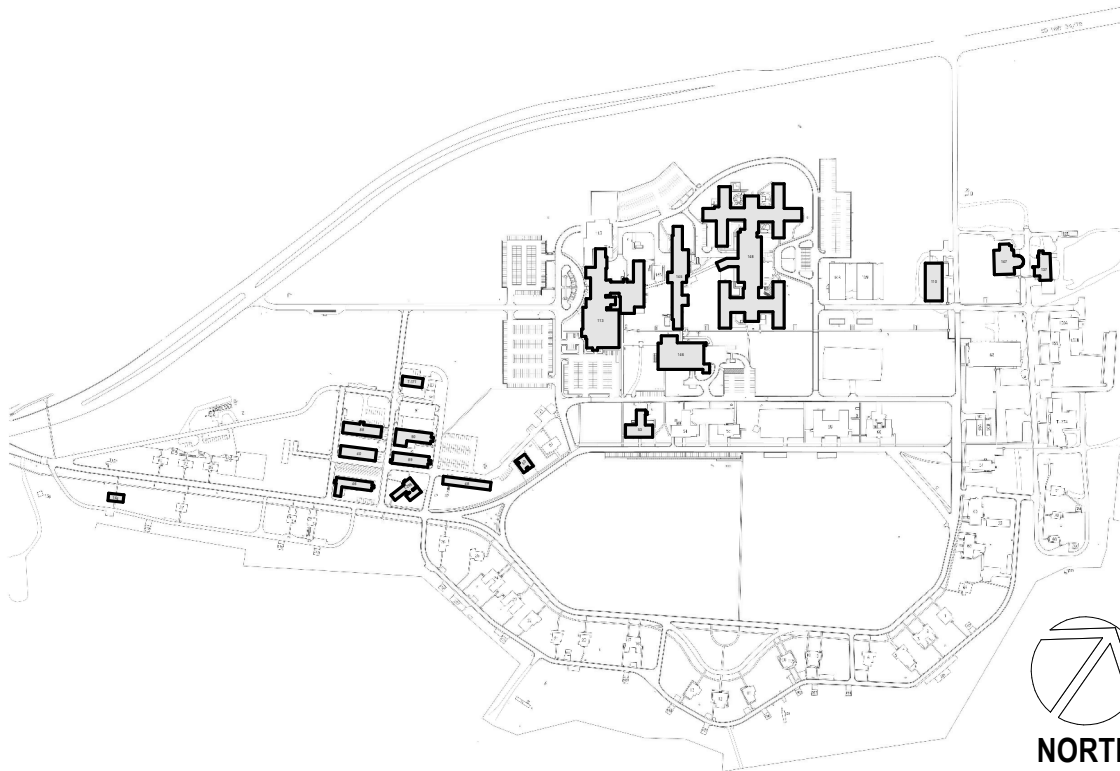


PLAN NOTES

- 1 REFER TO ARCHITECTURAL DOCUMENTS FOR CONDENSING UNIT PAD, SNOW PROTECTION AND STAND DETAILS.
2 COORDINATE WITH CIVIL FOR EXTERIOR HOUSEKEEPING PAD DETAILS FOR OUTDOOR CONDENSING UNIT.
3 ROUTE 3/4" CONDENSATE TO NEW AIR GAP FITTING AT NEAREST FIXTURE DRAIN PIPE. DEMOLISH AND PATCH WALL AS NECESSARY.
4 SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
5 PACKAGED CONDITIONED CABINET W/ REMOTE MOUNTED CONDENSER.
6 RELOCATE AND RECONNECT EXISTING UNIT HEATER TO EXISTING STEAM LINES.
7 PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
8 INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
9 EQUIPMENT SERVICE CLEARANCE (TYP).
10 REFRIGERANT PIPING ROUTED DOWN EXTERIOR WALL TO CONDENSING UNIT.
11 PROVIDE WELDED SEAMLESS STAINLESS STEEL DRIP PAN BELOW ALL PIPING CONVEYING FLUIDS ABOVE TR AREA. DRIP PANS SHALL EXTEND 6" MIN FROM BOTH SIDES OF PIPE. PROVIDE 3/4" DRAIN FROM DRIP PAN AND ROUTE SIMILAR TO JU CONDENSATE DRAIN.
12 PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.

PROJECT KEY PLAN

VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



BUILDING 137 - FIRST FLOOR
REMODEL PLAN - OVERALL

1/8" = 1'-0"



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DRAWING TITLE

137 - MECHANICAL REMODEL -
FIRST FLOOR - OVERALL

APPROVED:

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PHASE

100% CONSTRUCTION
DOCUMENTS

FLS

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PROJECT TITLE

EHRM INFRASTRUCTURE
UPGRADES

LOCATION

FORT MEADE, SOUTH DAKOTA

ISSUE DATE

01/31/2025

CHECKED BY

ADR

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AF

PROJECT NUMBER

568-21-701

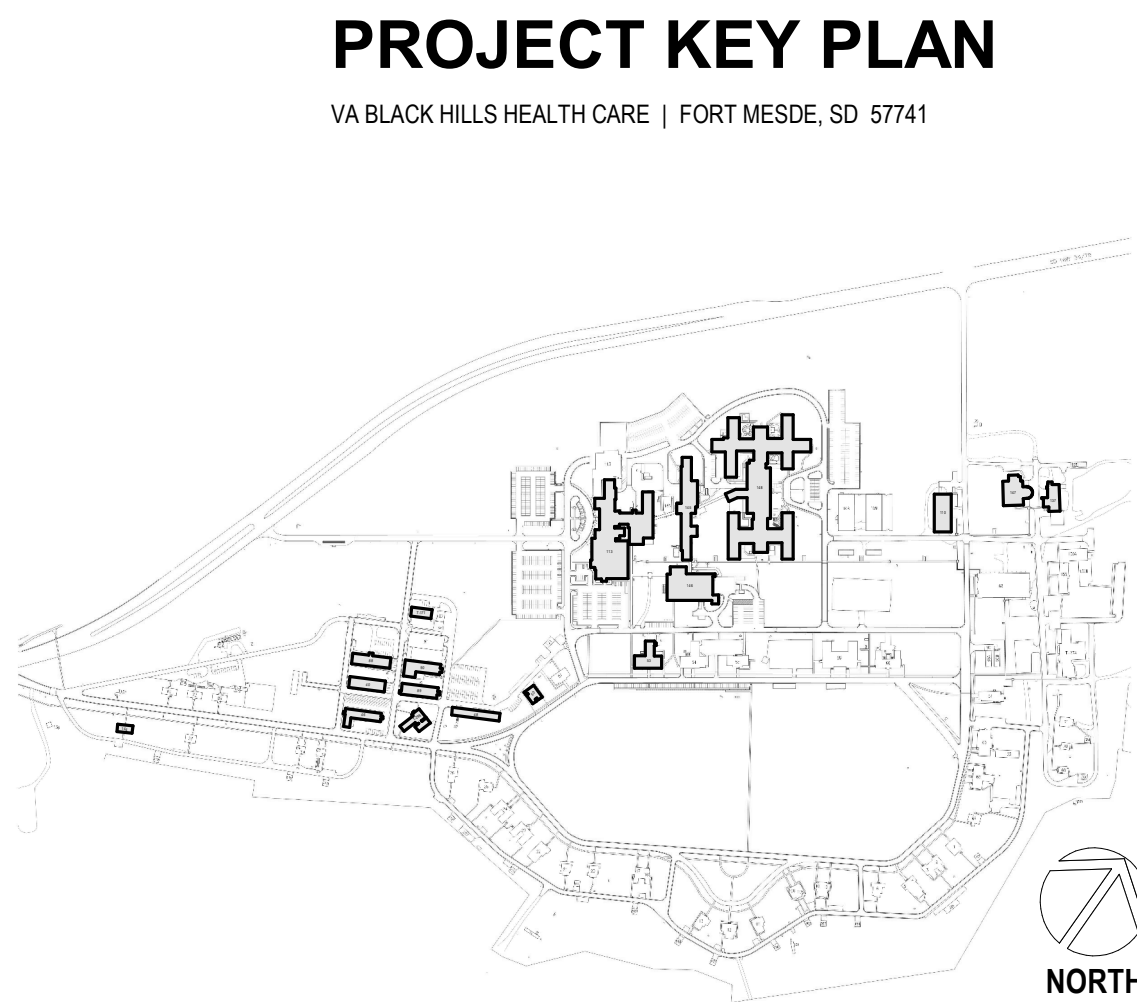
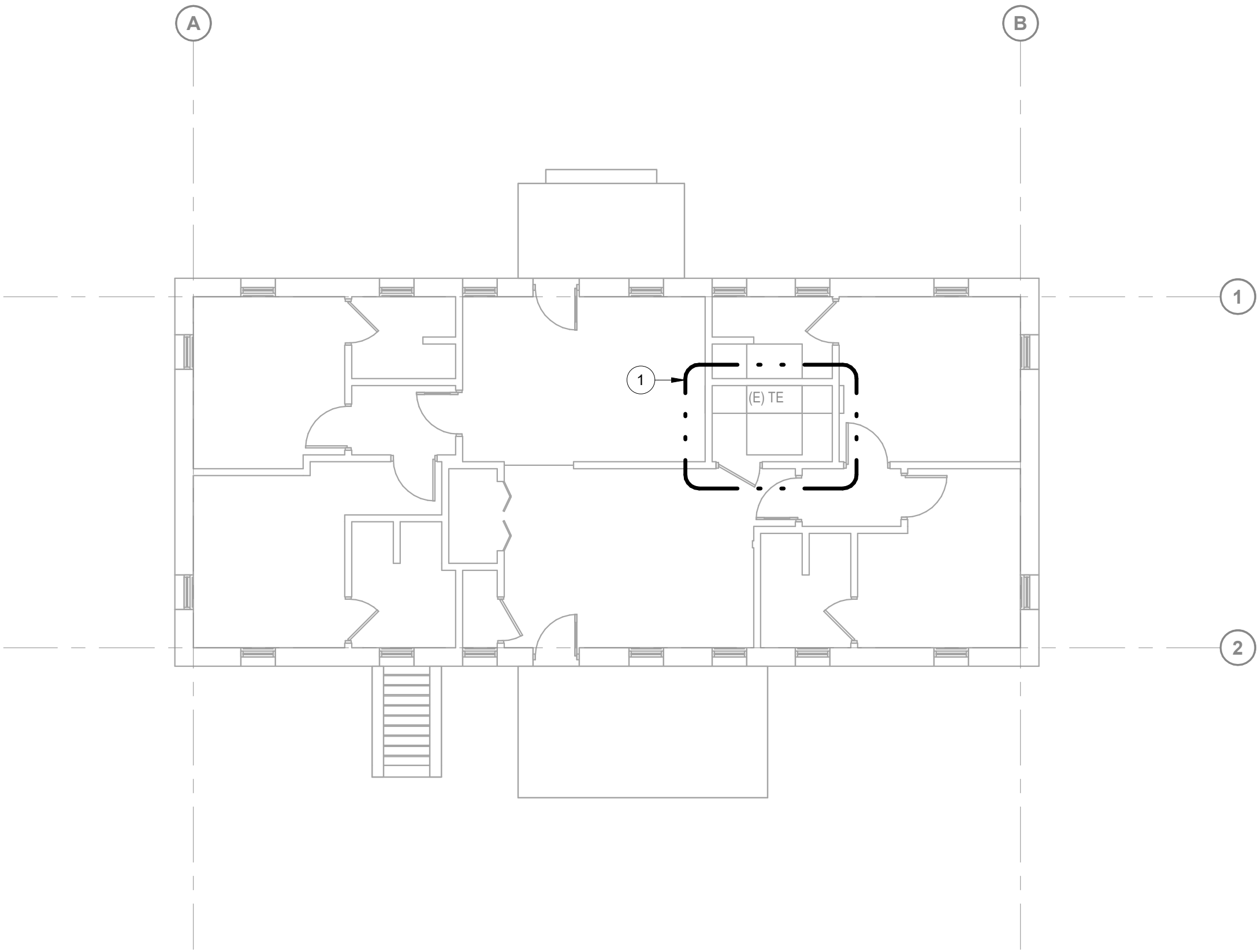
BUILDING NUMBER

BLDG 137

DRAWING NUMBER

137-MH-011

PLAN NOTES
1 CLIMATE CONTROLLED DATA CABINET IN A CLIMATE CONTROLLED ROOM. NO NEED FOR HVAC IMPROVEMENTS.

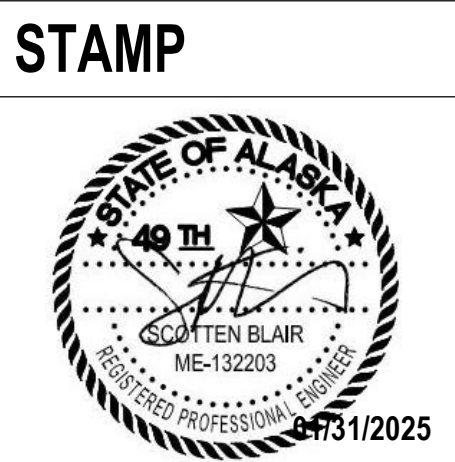


1 BUILDING 144 - FIRST FLOOR REMODEL PLAN - OVERALL
1/8" = 1'-0"

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VA U.S. Department
of Veterans Affairs

DRAWING TITLE
144 - MECHANICAL REMODEL -
FIRST FLOOR - OVERALL

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DOCUMENTS

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PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES

LOCATION
FORT MEADE, SOUTH DAKOTA

ISSUE DATE
01/31/2025

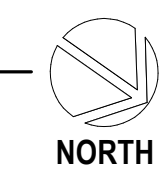
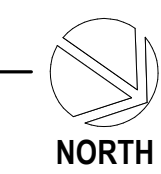
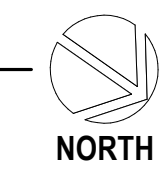
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PROJECT NUMBER
568-21-701

BUILDING NUMBER
BLDG 144

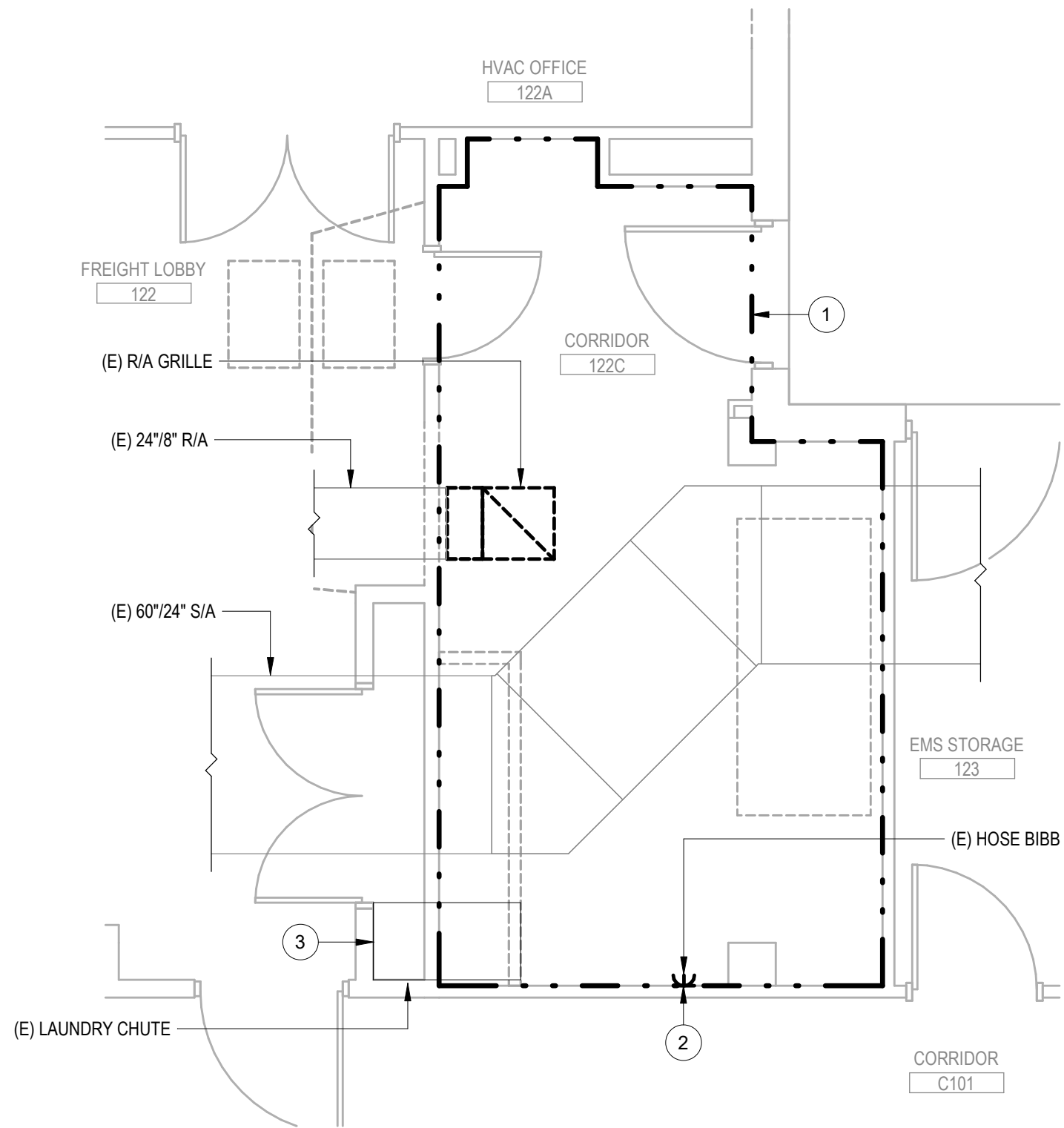
DRAWING NUMBER
144-MH-011



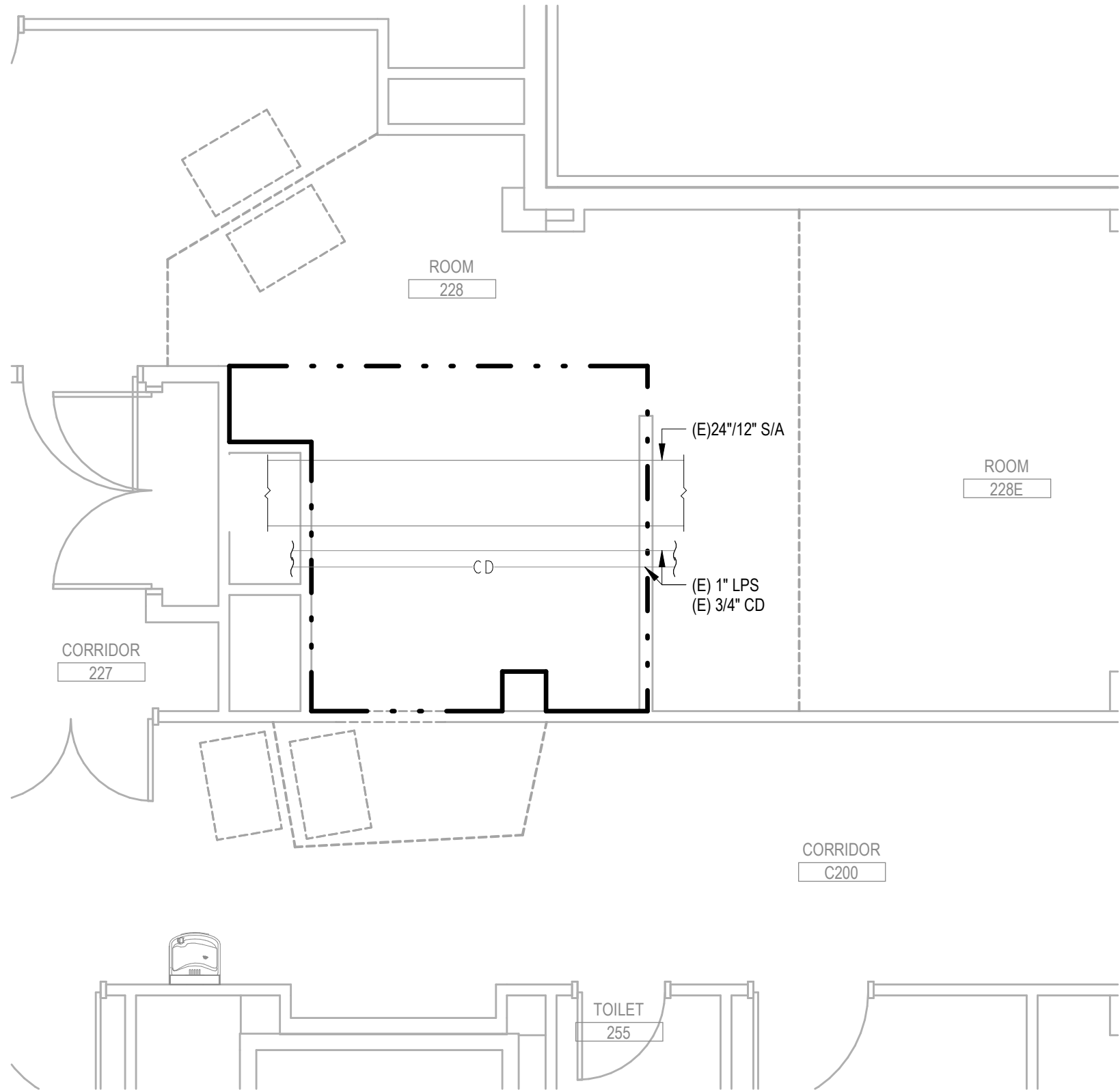
VA BLACK HILLS HEALTH CARE | FORT MESDE, SD 57741



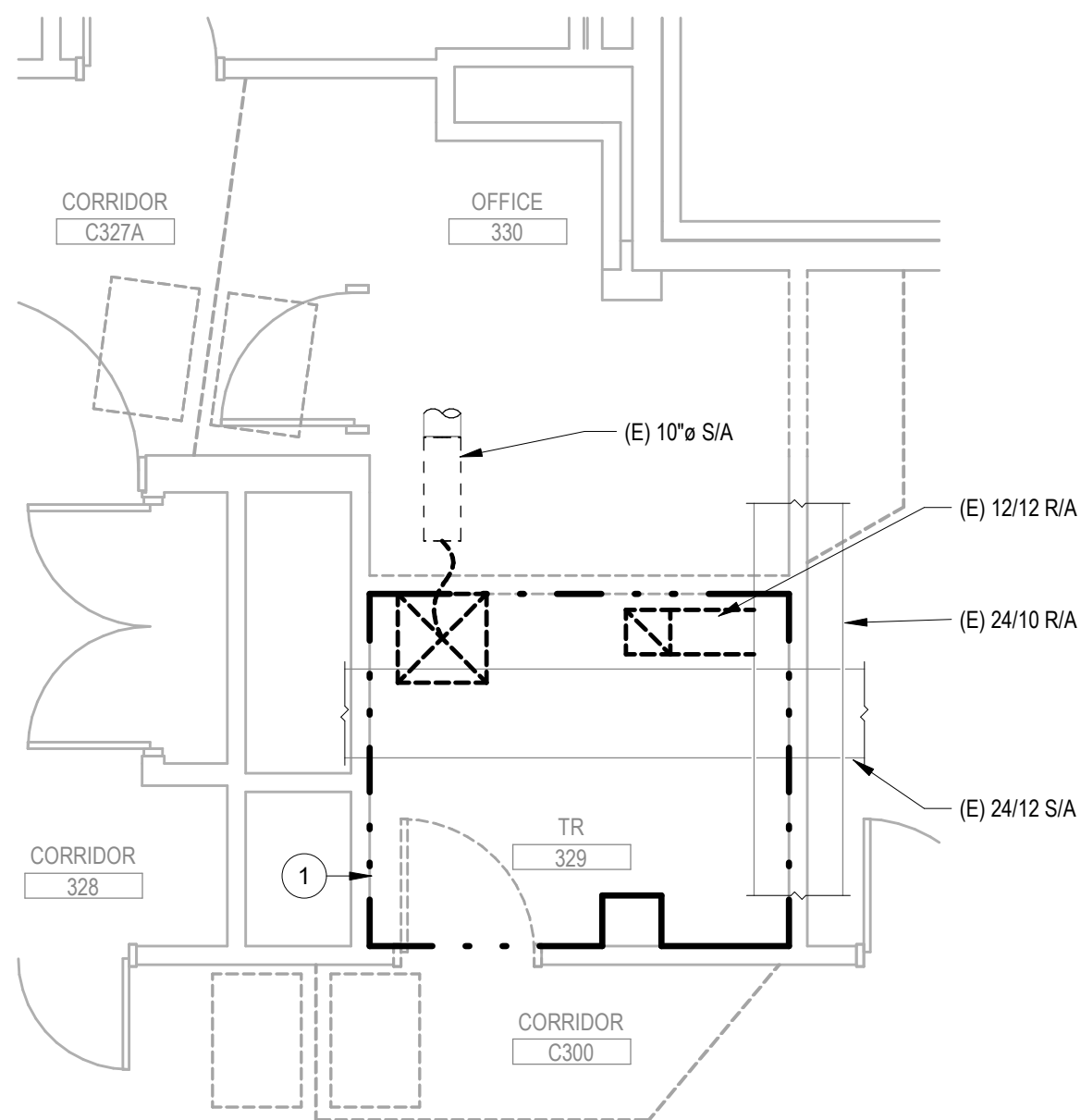
- PLAN NOTES**
- 1 APPROXIMATE OUTLINE OF NEW TR AREA. SEE REMODEL SHEETS FOR ALL DISCIPLINES FOR ADDITIONAL INFORMATION.
 - 2 DEMOLISH HOSE BIBB BACK INTO WALL, ISOLATE, AND CAP.
 - 3 BLOCK OFF AND WALL OVER EXISTING LAUNDRY CHUTE.



1 BUILDING 145 - ENLARGED FIRST FLOOR DEMOLITION PLAN
1/4" = 1'-0"



2 BUILDING 145 - ENLARGED SECOND FLOOR DEMOLITION PLAN
1/4" = 1'-0"

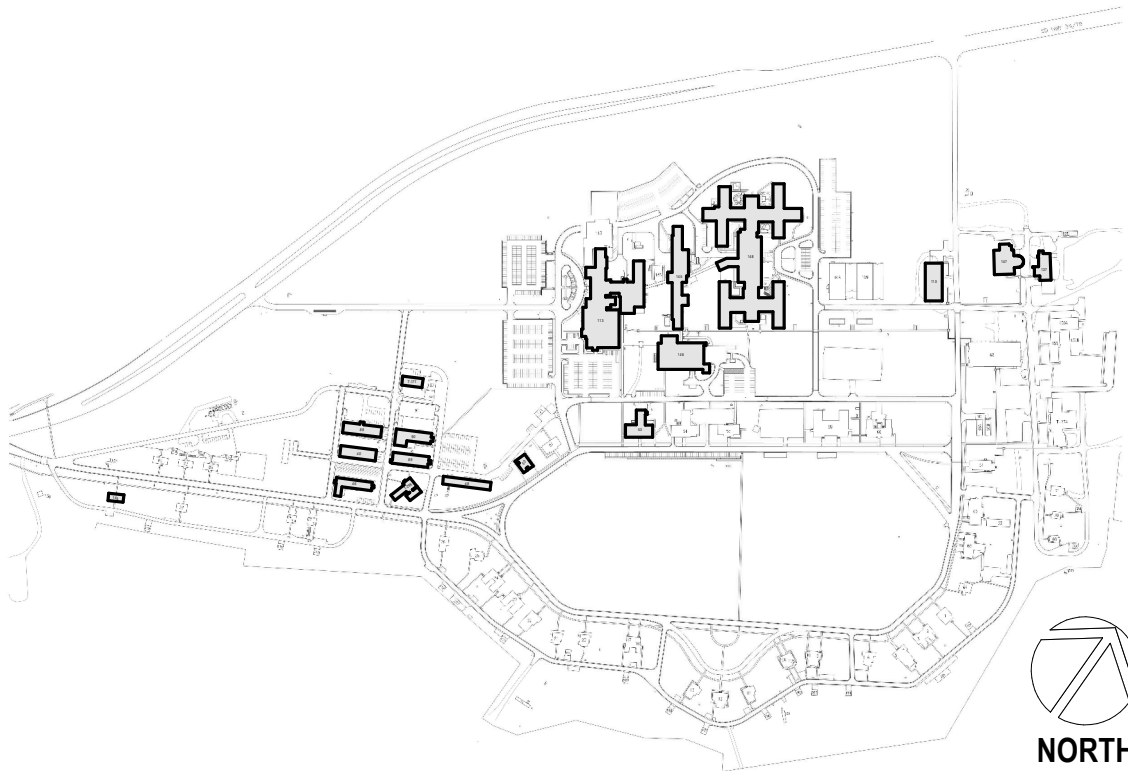


3 BUILDING 145 - ENLARGED THIRD FLOOR DEMOLITION PLAN
1/4" = 1'-0"



PROJECT KEY PLAN

VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



Revisions:	Date:

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DRAWING TITLE
145 - ENLARGED DEMOLITION
PLANS

APPROVED:
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PHASE
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DOCUMENTS

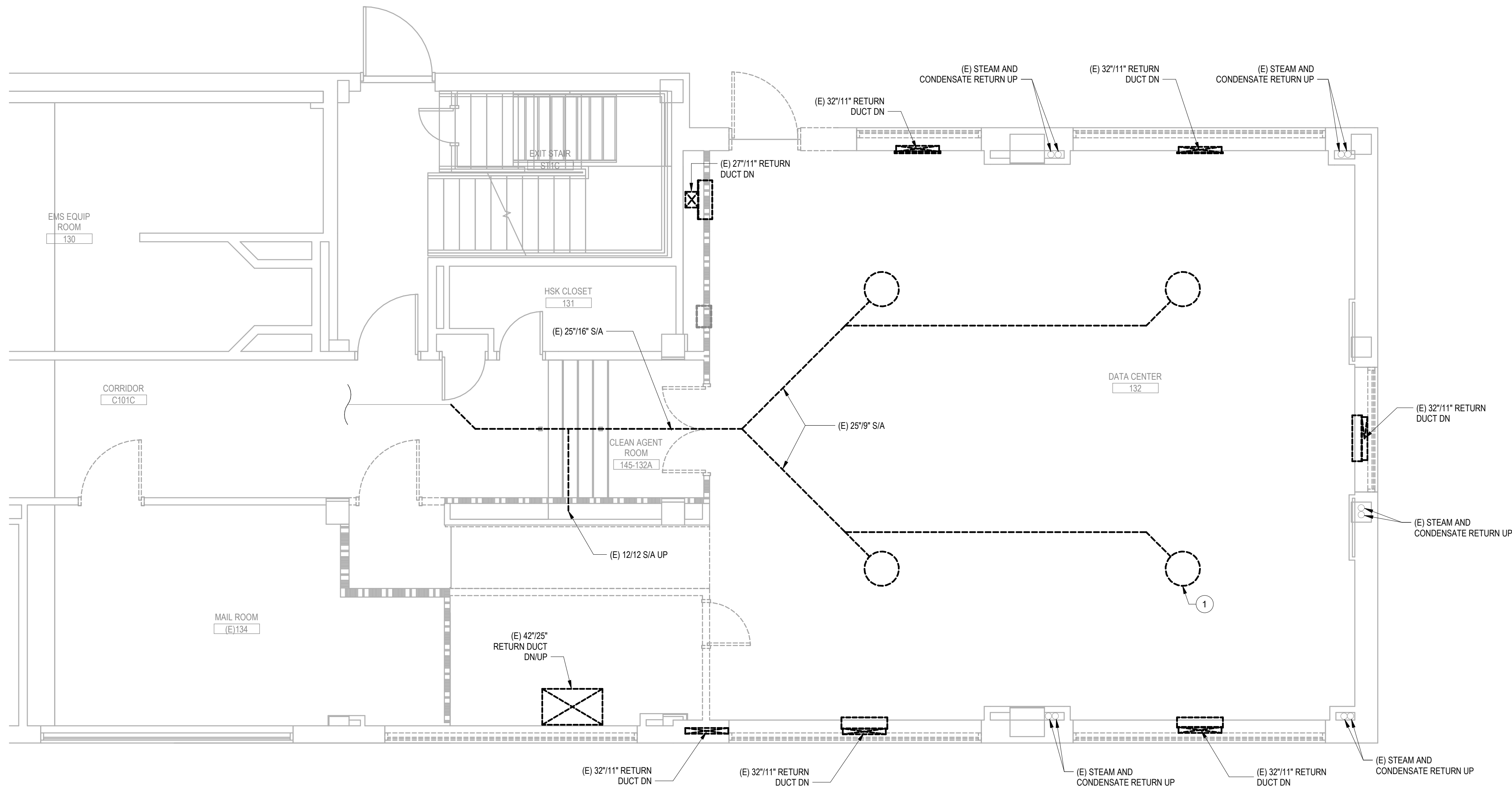
FLS
FULLY SPRINKLERED

PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES

LOCATION
FORT MEADE, SOUTH DAKOTA
ISSUE DATE
01/31/2025
CHECKED BY
ADR
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AF

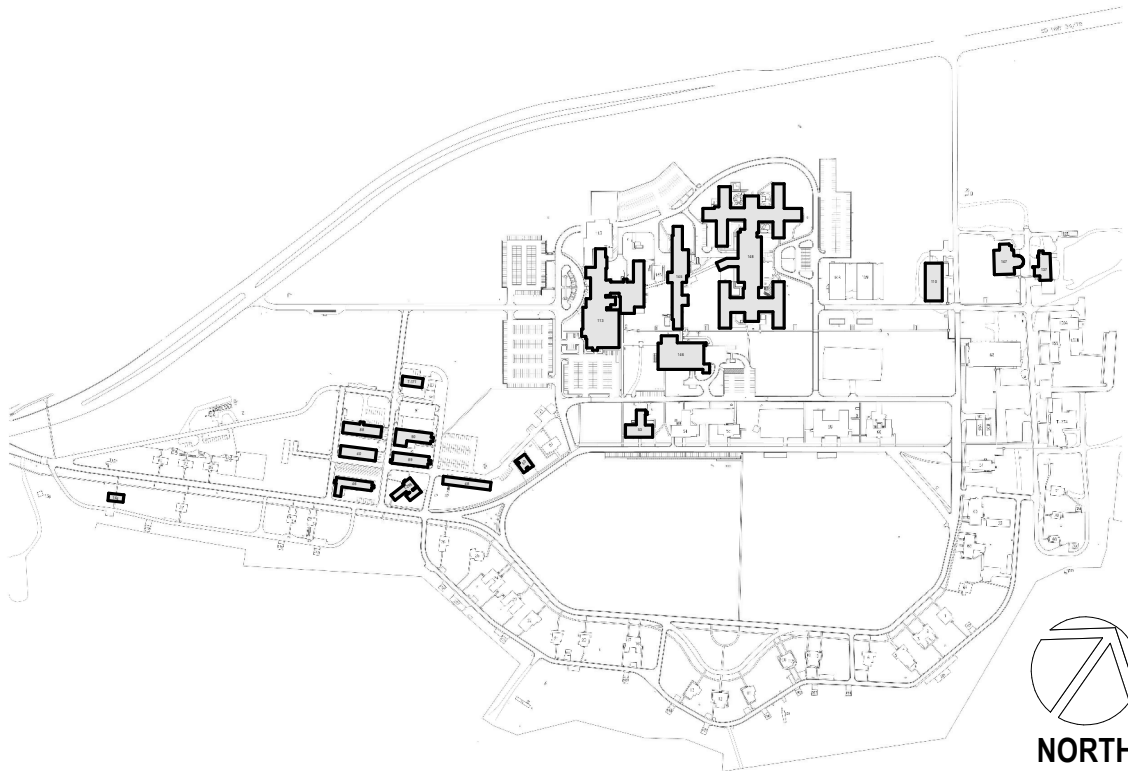
PROJECT NUMBER
568-21-701
BUILDING NUMBER
BLDG 145
DRAWING NUMBER
145-MD-012

PLAN NOTES
1 DEMOLISH S/A DIFFUSER AND ASSOCIATED S/A DUCTWORK TO EXTENT SHOWN



1 BUILDING 145 - ENLARGED FIRST FLOOR DEMOLITION PLAN- 132
1/4" = 1'-0"

PROJECT KEY PLAN
VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



Revisions:	Date:

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MANAGEMENT**



DRAWING TITLE
145 - ENLARGED DEMOLITION
PLAN

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PHASE
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DOCUMENTS

FLS
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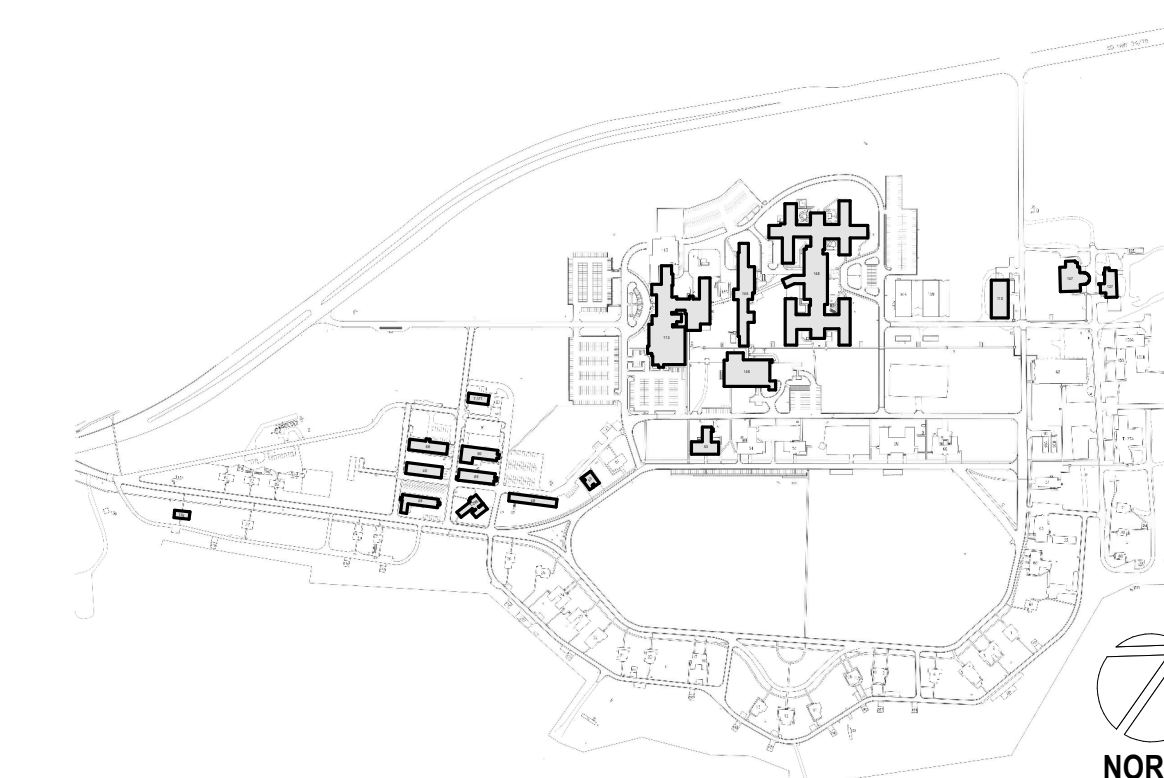
PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES

LOCATION
FORT MEADE, SOUTH DAKOTA

ISSUE DATE 01/31/2025	CHECKED BY ADR	DRAWN BY AF
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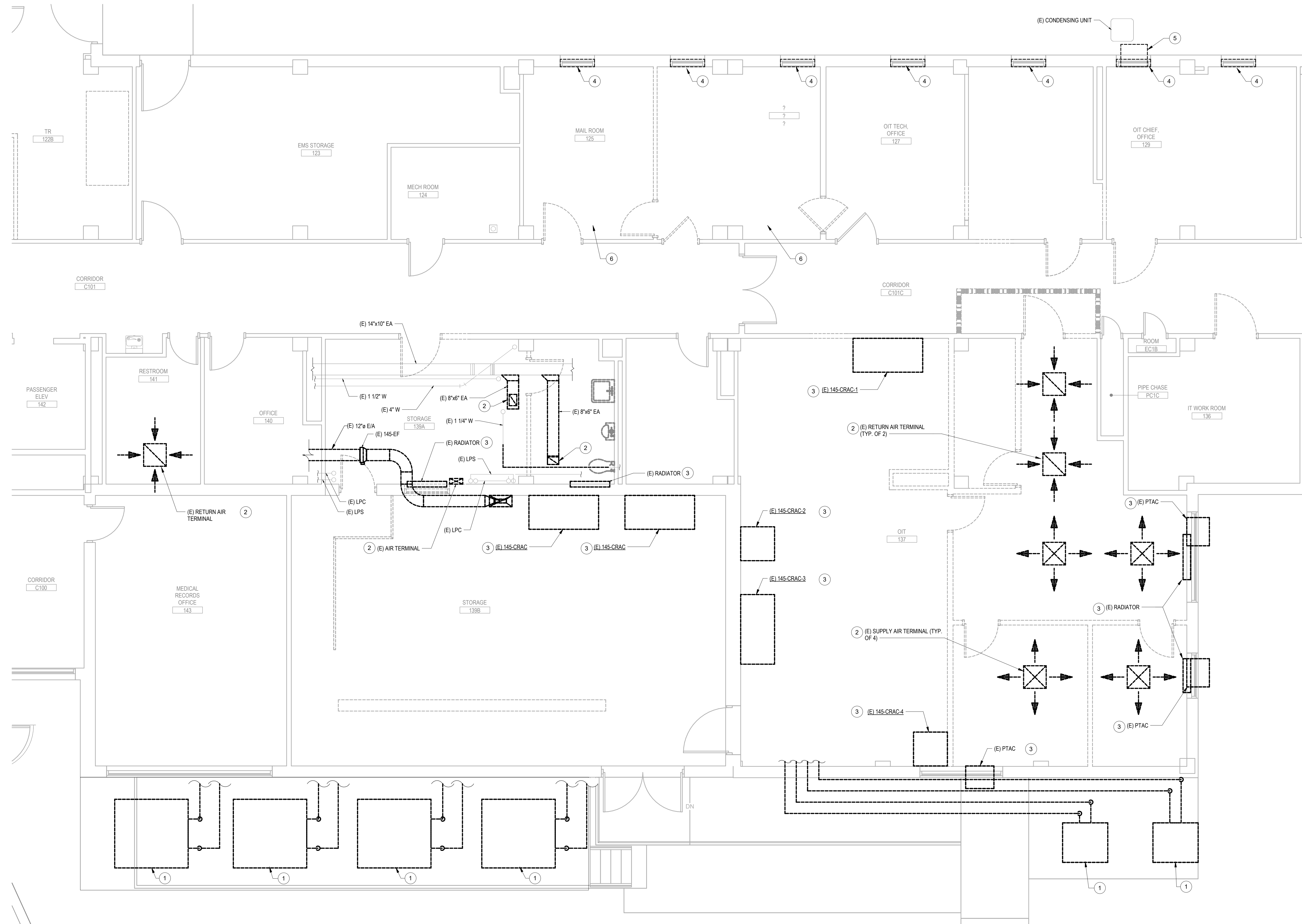
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BUILDING NUMBER BLDG 145

DRAWING NUMBER 145-MD-013

VA FORM 08-6231

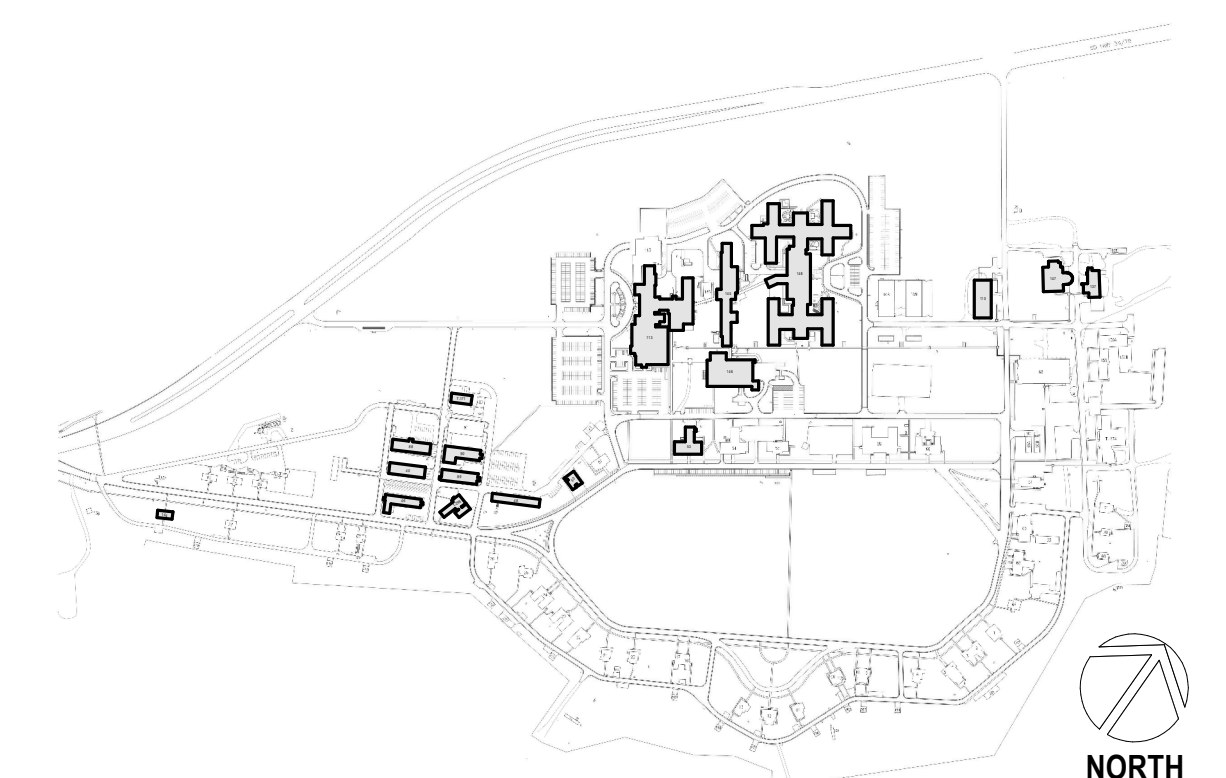
PLAN NOTES

- | | |
|---|--|
| 1 | DEMOLISH DRY COOLERS SERVING EXISTING COOLING UNITS INSIDE SERVER ROOM. COORDINATE DEMOLITION OF ALL UNITS WITH PHASING OF NEW M/C. NEW M/C SHALL BE FULLY INSTALLED AND CONTRACTOR SHALL RECEIVE OT APPROVAL BEFORE PROCEEDING WITH DEMOLITION. |
| 2 | DEMOLISH EXISTING AIR TERMINAL AND ASSOCIATED DUCTWORK BACK TO BRANCH AND CAP. |
| 3 | DEMOLISH EXISTING MECHANICAL EQUIPMENT AND ANY ASSOCIATED PIPING BACK TO MAIN BRANCH AND CAP. DEMOLISH ANY ASSOCIATED CONTROLS AND WIRING BACK TO NEAREST CONTROL PANEL OR JUNCTION BOX. |
| 4 | DEMOLISH EXISTING STEAM WALL HEATER. DEMOLISH STEAM AND CONDENSATE PIPING BACK TO MAIN AND CAP. |
| 5 | DEMOLISH EXISTING FTAC UNIT. |
| 6 | DEMOLISH ANY EXISTING DUCTWORK AND GRILLES SERVING THIS ROOM. DEMOLISH DUCTWORK BACK TO MAIN AND CAP. |



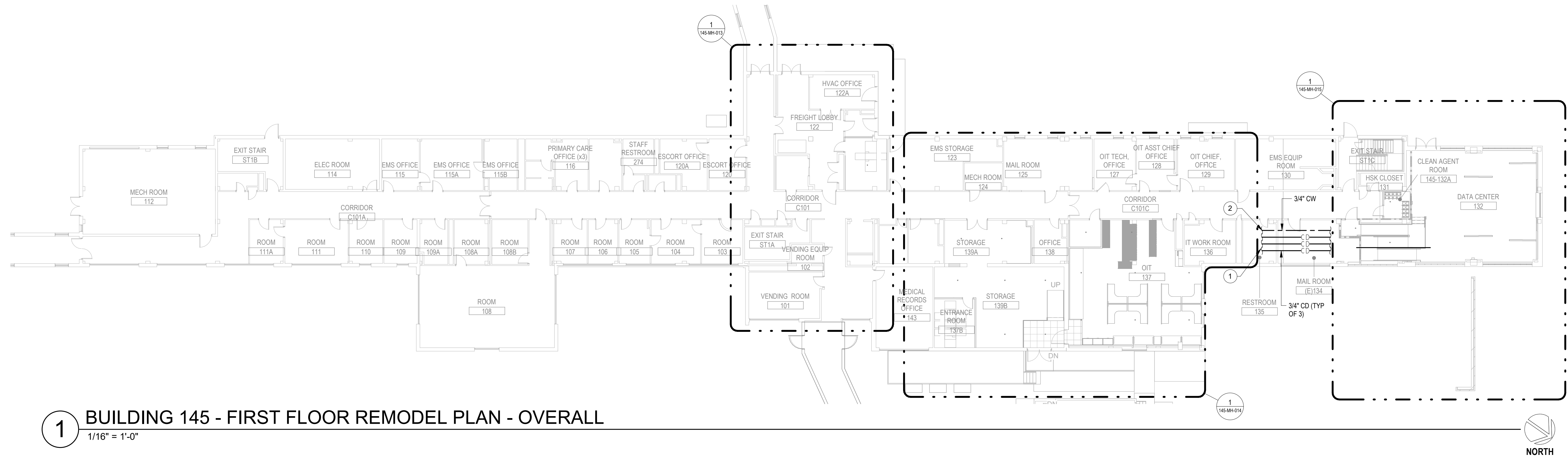
PROJECT KEY PLAN

VA BLACK HILLS HEALTH CARE | FORT MESDE, SD 57741

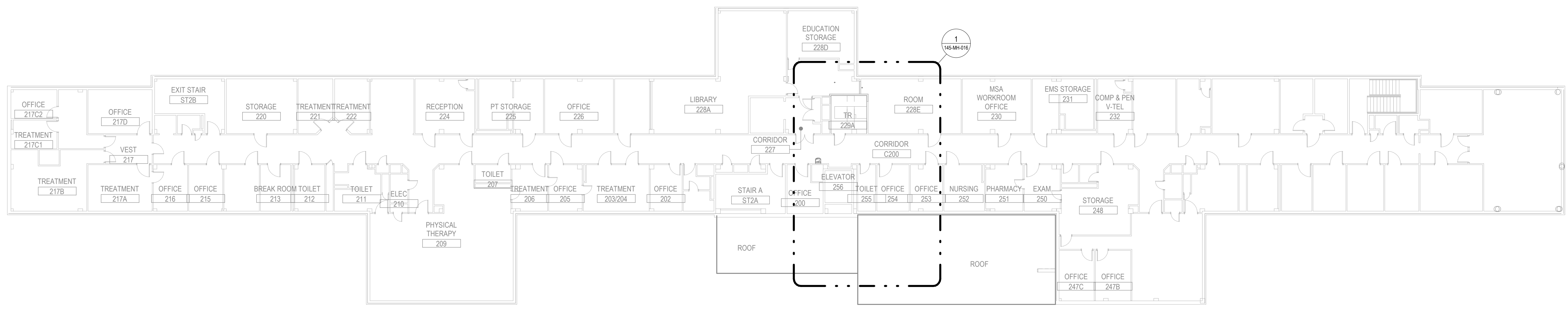


1 BUILDING 145 - ENLARGED FIRST FLOOR DEMOLITION PLAN- 137
1/4" = 1'-0"

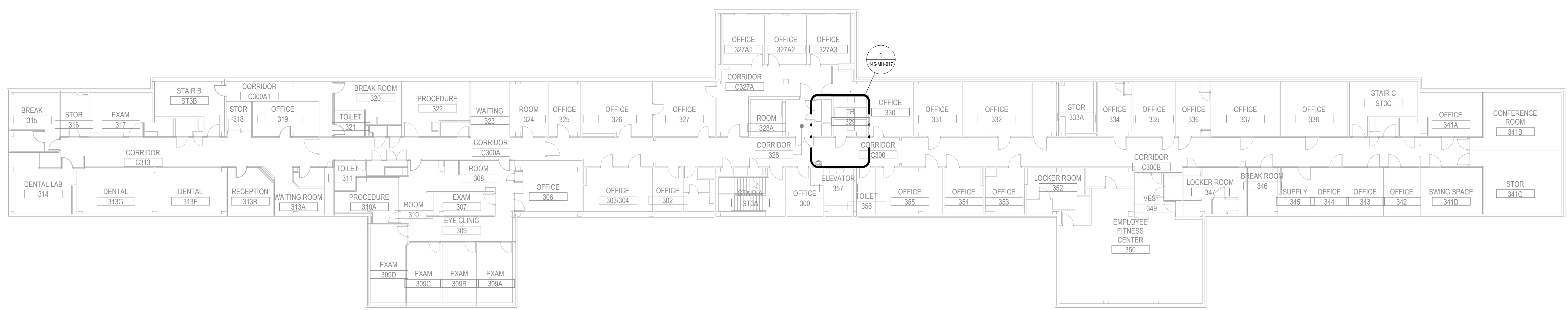
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1 BUILDING 145 - FIRST FLOOR REMODEL PLAN - OVERALL
1/16" = 1'-0"



2 BUILDING 145 - SECOND FLOOR REMODEL PLAN - OVERALL
1/16" = 1'-0"

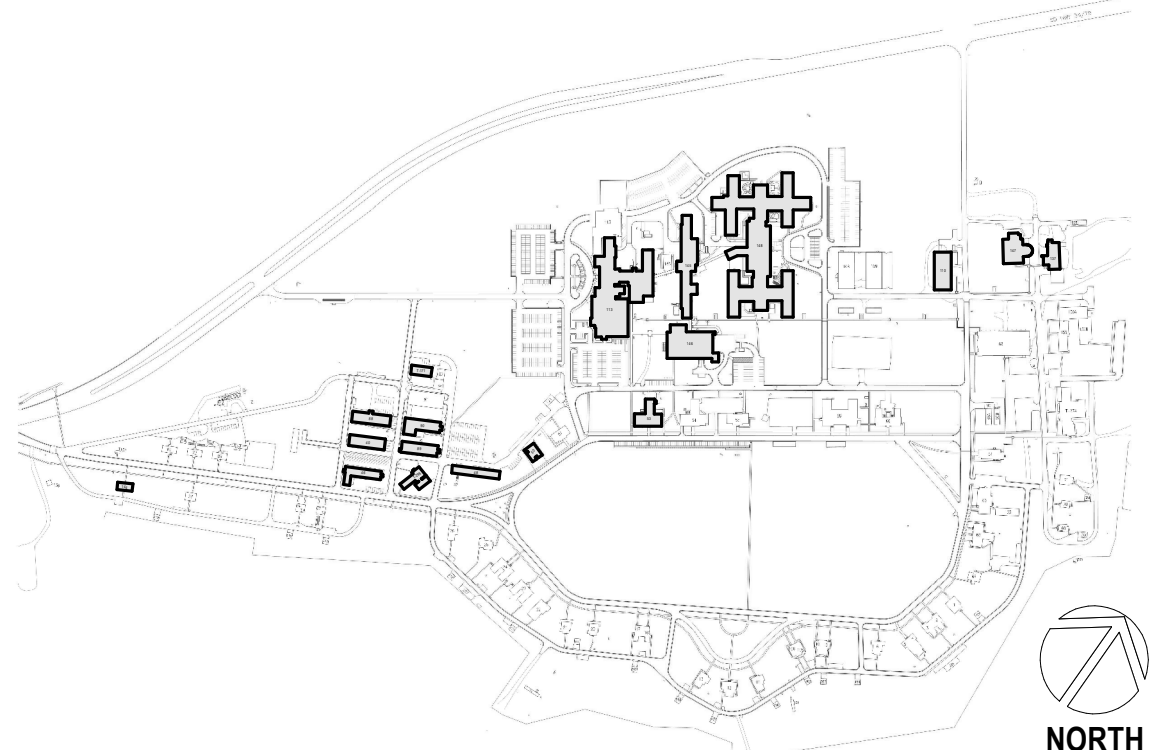



3 BUILDING 145 - THIRD FLOOR REMODEL PLAN - OVERALL
1/16" = 1'-0"

- PLAN NOTES**
- 1 ROUTE 3/4" CONDENSATE TO NEW AIR GAP FITTING IN EXISTING SANITARY DRAIN PIPE. DEMOLISH AND PATCH WALL AS NECESSARY.
 - 2 CONNECT 3/4" CW TO EXISTING CW SUPPLY IN BATHROOM.

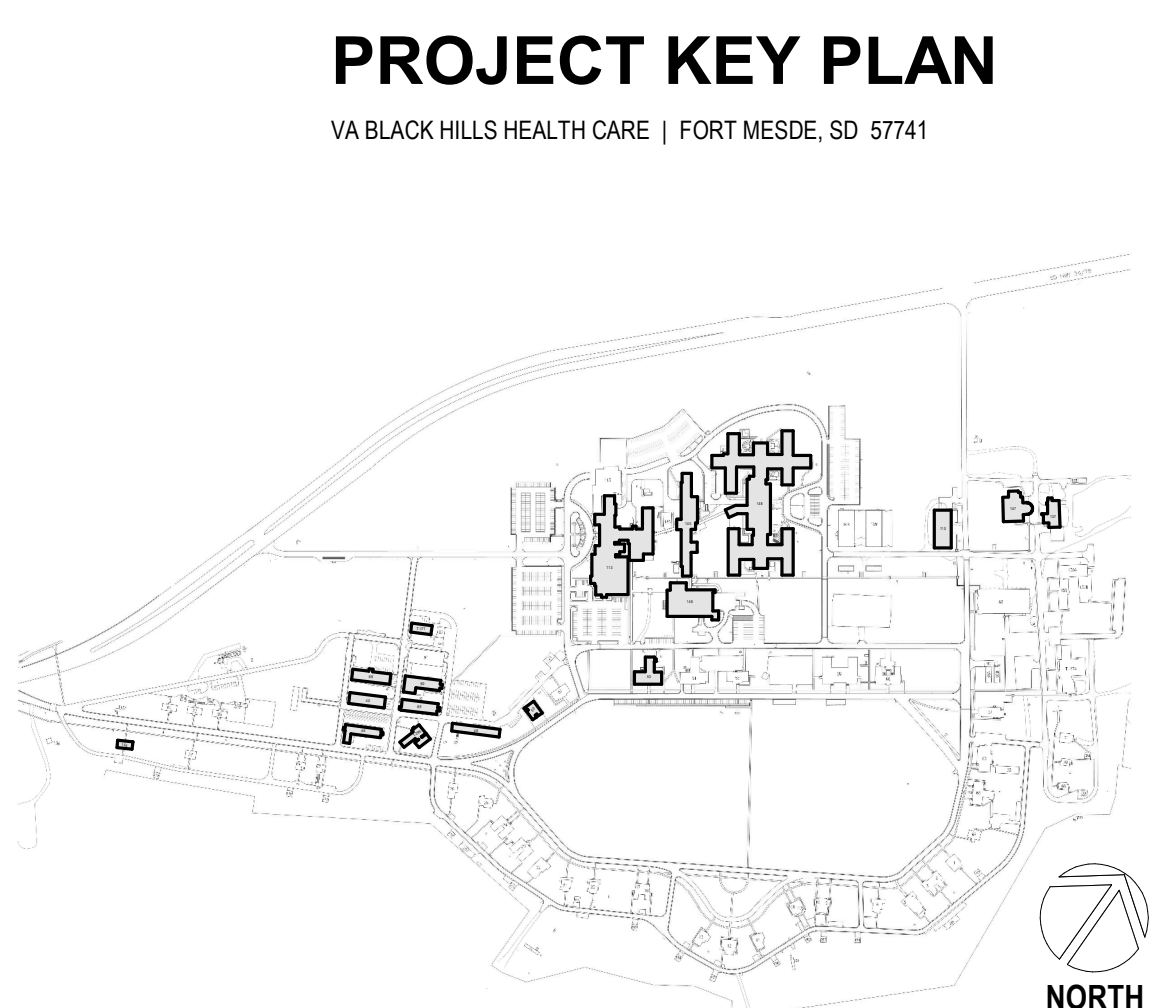
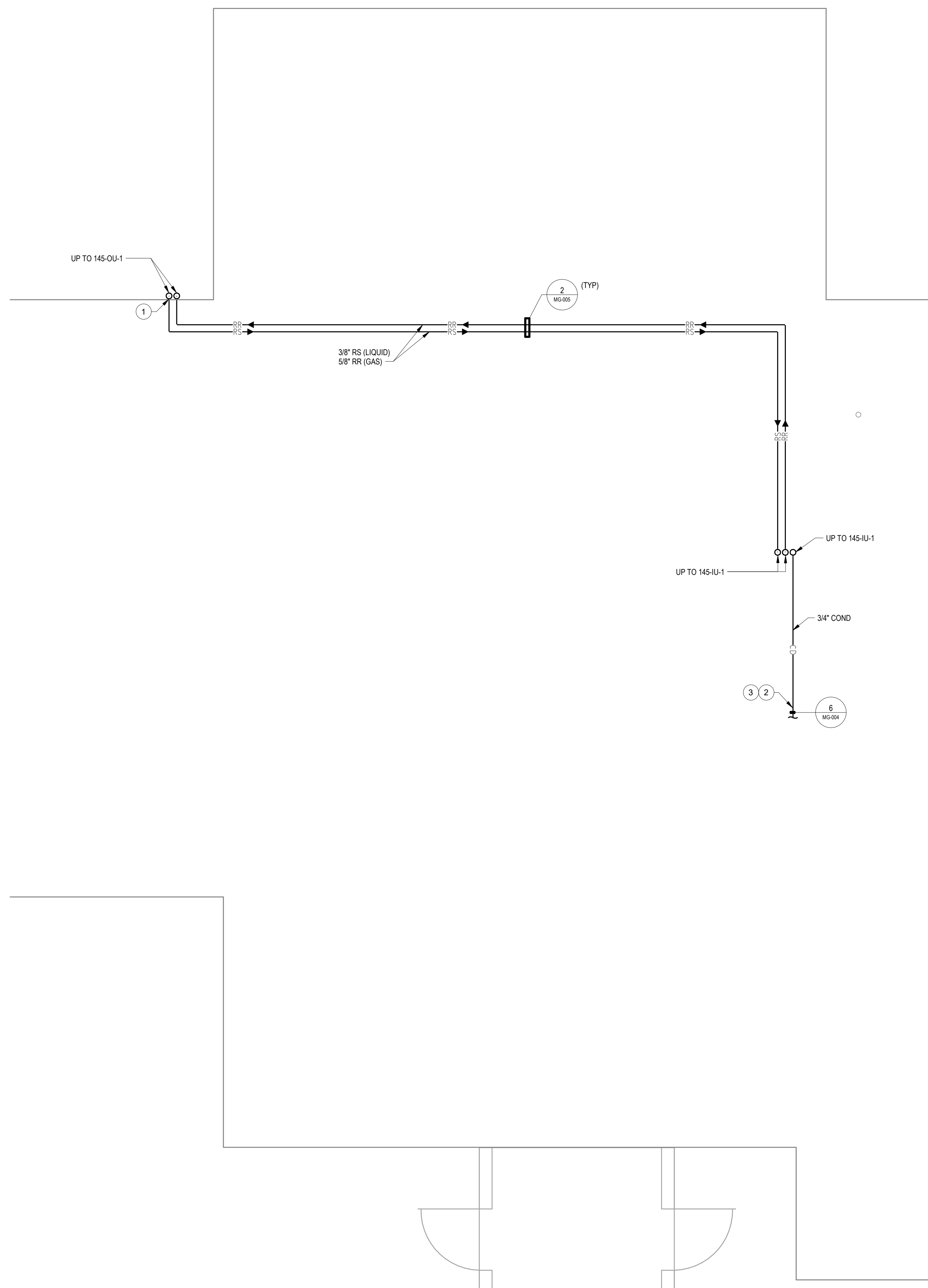
PROJECT KEY PLAN

VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



<div>Revisions:</div>	CONSULTANT MECHANICAL ENGINEER GDM 4317 6TH AVE SE, SUITE 300 LACEY, WA 98503 541.436.4723 SCOTTEN BLAIR, P.E.		ARCHITECT/ENGINEER OF RECORD A/E GDM 1308 NE 134TH ST SUITE 4 VANCOUVER, WA 98685 541.436.4723 ADAM GODDIN, P.E.		STAMP 	OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT VA U.S. Department of Veterans Affairs	DRAWING TITLE 145 - MECHANICAL REMODEL - OVERALL APPROVED: NOT FOR CONSTRUCTION FOR OFFICIAL USE ONLY (FOUO)	PHASE 100% CONSTRUCTION DOCUMENTS FLS FULLY SPRINKLERED	PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES LOCATION FORT MEADE, SOUTH DAKOTA ISSUE DATE 01/31/2025	PROJECT NUMBER 568-21-701 BUILDING NUMBER BLDG 145 DRAWING NUMBER 145-MH-011
	Date:		Date:		Date:		Date:		Date:	
	Date:		Date:		Date:		Date:		Date:	
	Date:		Date:		Date:		Date:		Date:	
	Date:		Date:		Date:		Date:		Date:	

- PLAN NOTES
- 1 SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
 - 2 CONNECT 3/4" COND TO NEAREST (E) WASTE PIPE IN THIS AREA. PROVIDE NEW AIRGAP FITTING.
 - 3 PROVIDE NEW VENT PIPE AND TRAP FOR NEW FIXTURE.

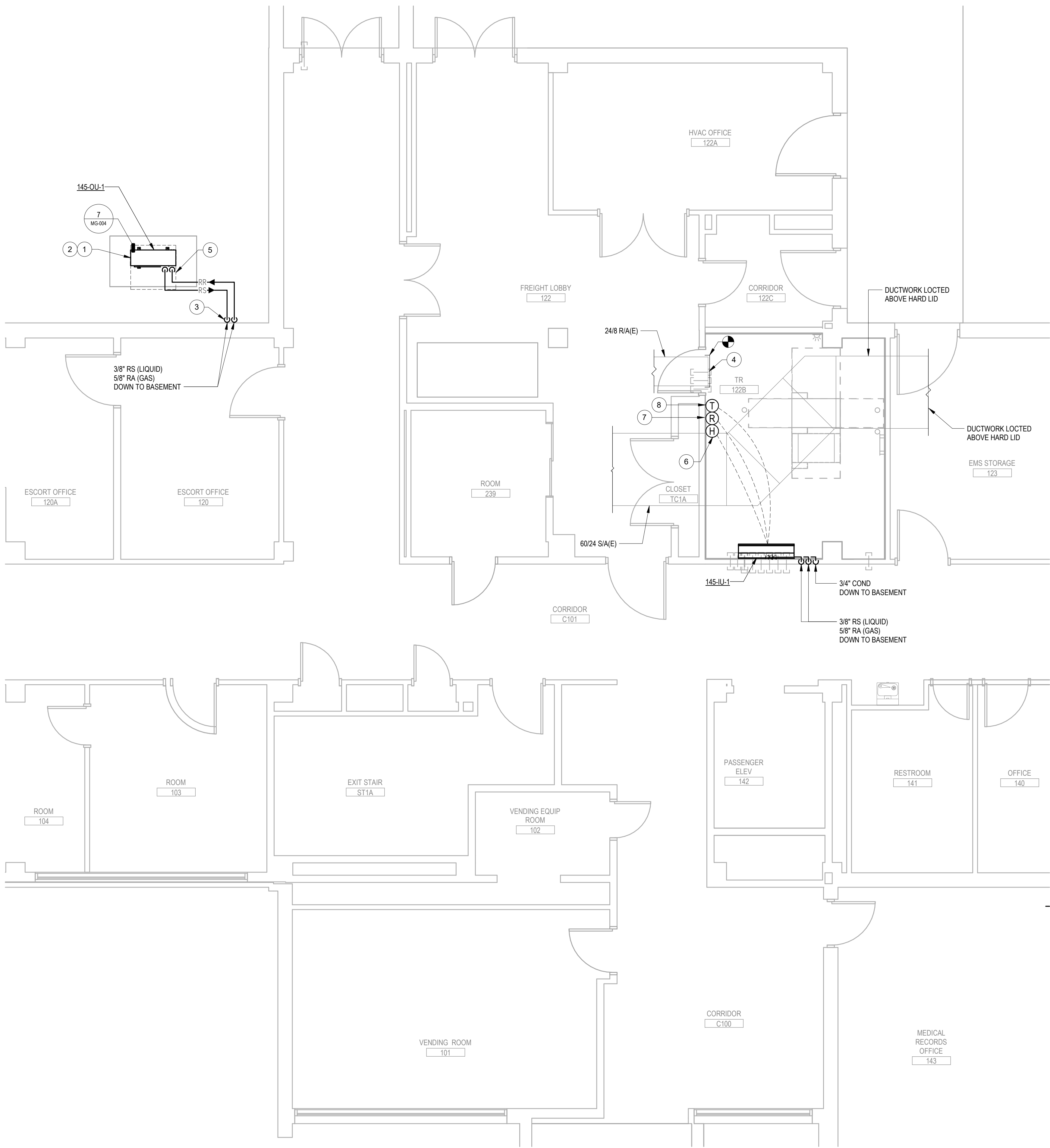


1 BUILDING 145 - BASEMENT REMODEL PLAN - ENLARGED
1/4" = 1'-0"



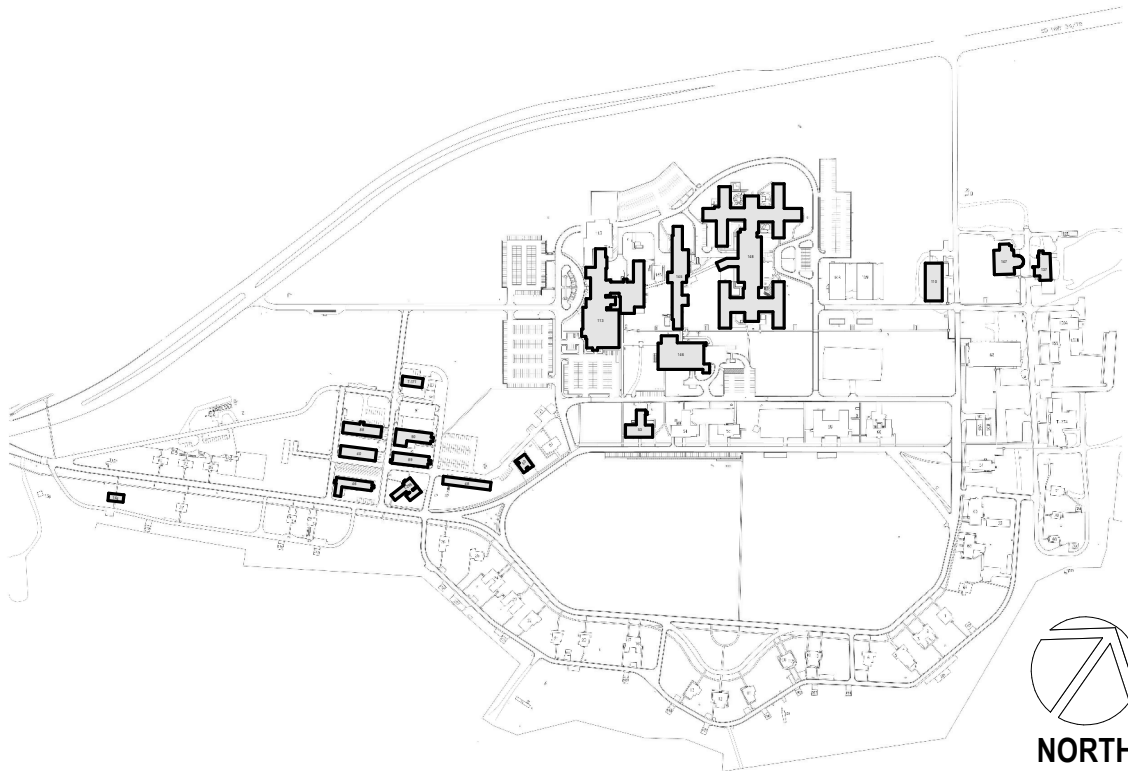
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- PLAN NOTES**
- 1 COORDINATE WITH CIVIL FOR EXTERIOR HOUSEKEEPING PAD DETAILS FOR OUTDOOR CONDENSING UNIT.
 - 2 REFER TO ARCHITECTURAL DOCUMENTS FOR CONDENSING UNIT PAD, SNOW PROTECTION AND STAND DETAILS.
 - 3 SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
 - 4 PROVIDE END CAP AND SEAL DUCT AIR TIGHT.
 - 5 EQUIPMENT SERVICE CLEARANCE (TYP).
 - 6 PROVIDE HUMIDITY AND TEMPERATURE SENSOR IN TR ROOM, MOUNTED AT 4'-6" AFF. CONNECT TO DDG SYSTEM.
 - 7 INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
 - 8 PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.



PROJECT KEY PLAN

VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



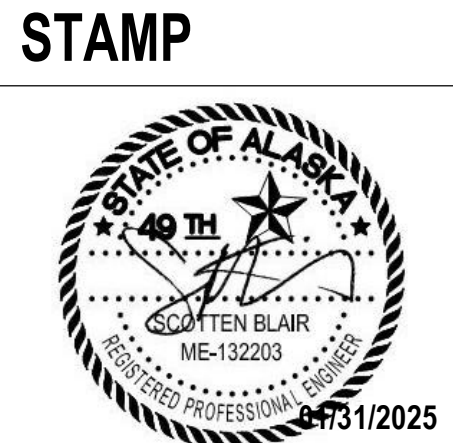
1 BUILDING 145 - ENLARGED FIRST FLOOR REMODEL PLAN
1/4" = 1'-0"



Revisions:	Date:

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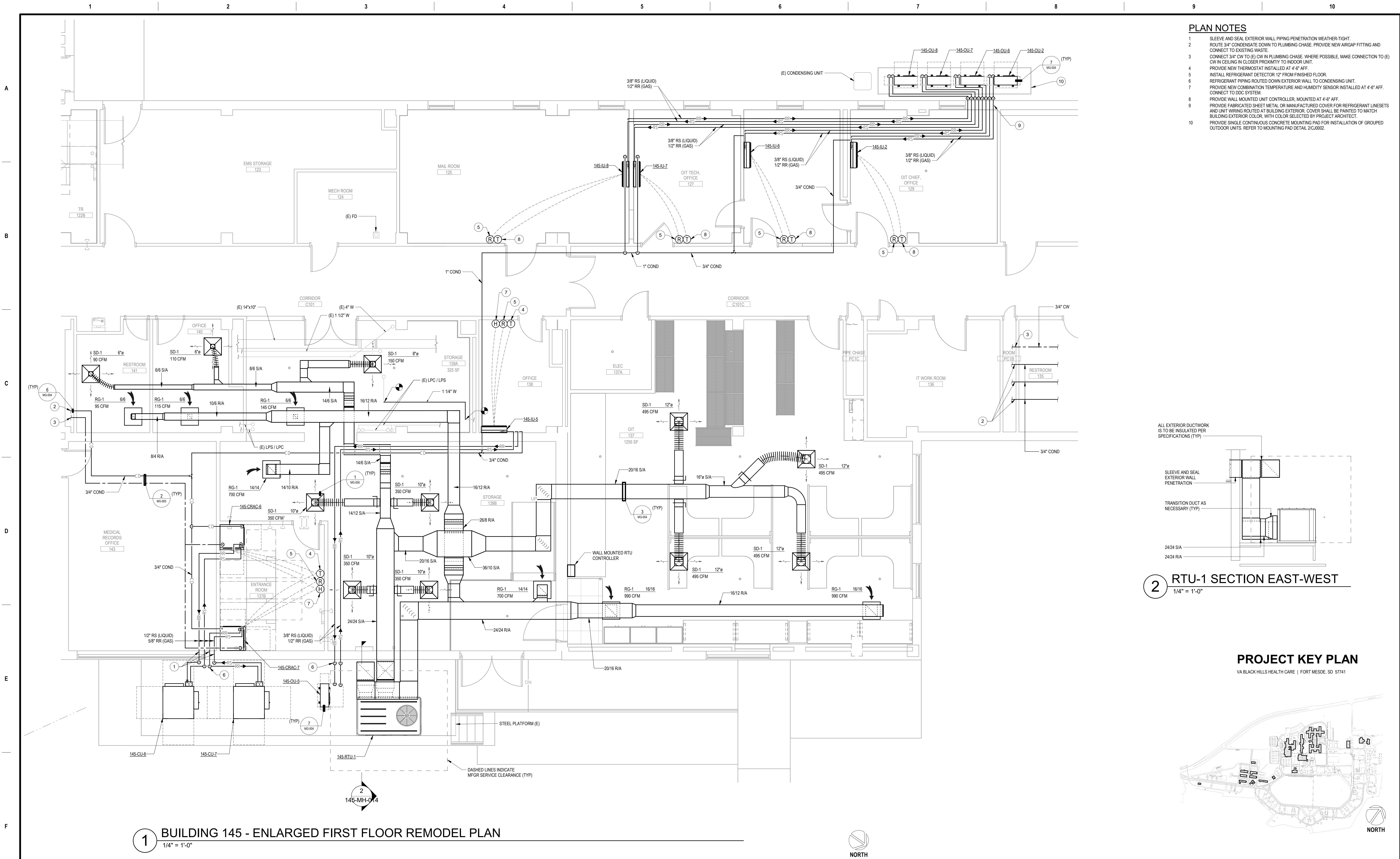
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MANAGEMENT**
VA U.S. Department
of Veterans Affairs

DRAWING TITLE
145 - ENLARGED REMODEL PLANS
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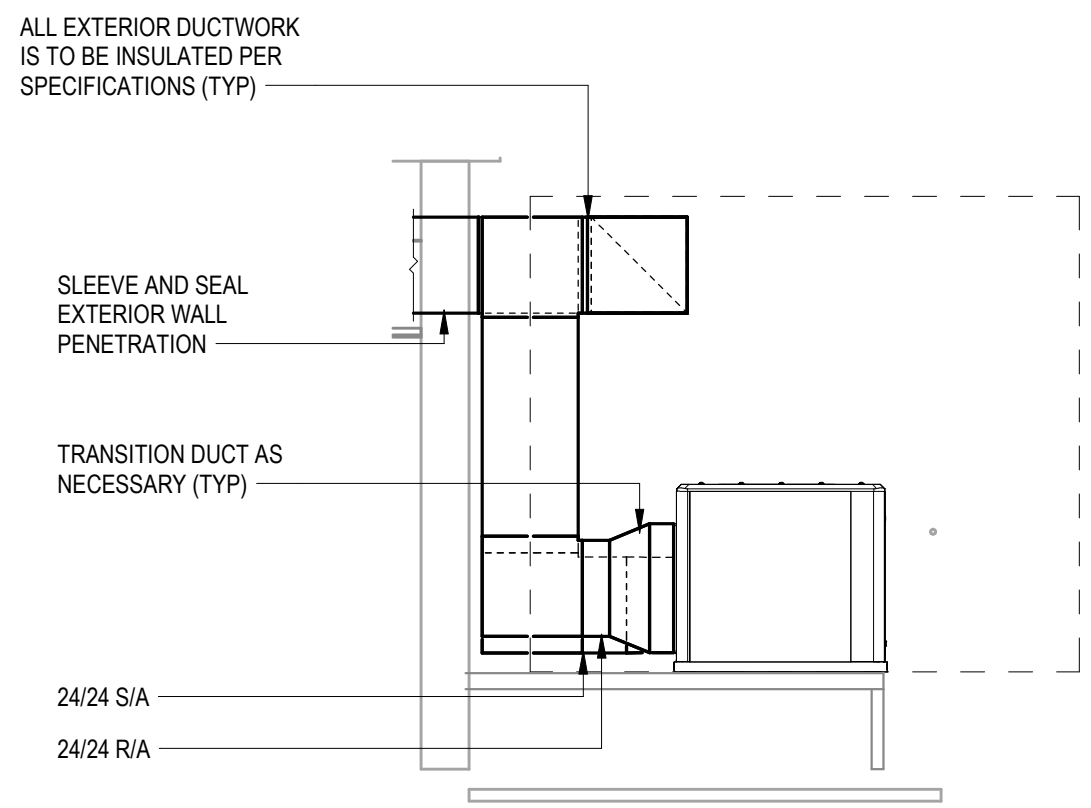
PHASE
100% CONSTRUCTION
DOCUMENTS
FLS
FULLY SPRINKLERED

PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES
LOCATION
FORT MEADE, SOUTH DAKOTA
ISSUE DATE
01/31/2025
CHECKED BY
ADR
DRAWN BY
AF

PROJECT NUMBER
568-21-701
BUILDING NUMBER
BLDG 145
DRAWING NUMBER
145-MH-013



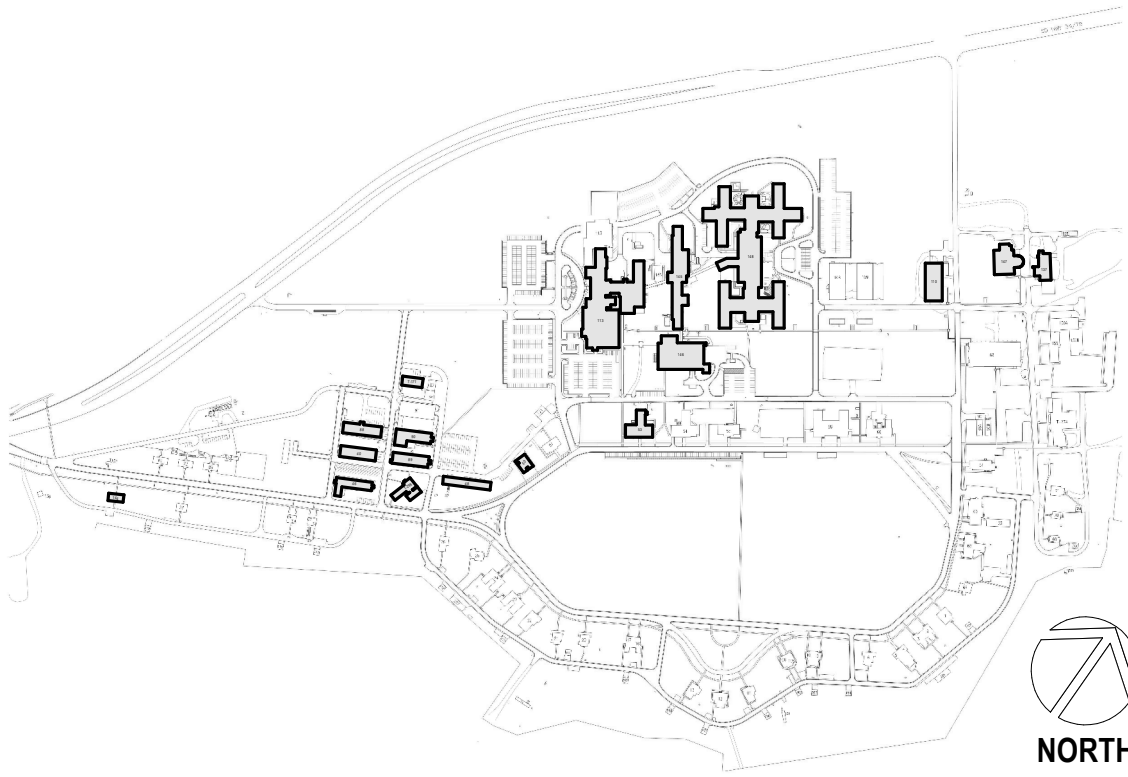
- PLAN NOTES**
- 1 SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
 - 2 ROUTE 3/4\"/>
 - 3 CONNECT 3/4\"/>
 - 4 PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6\"/>
 - 5 INSTALL REFRIGERANT DETECTOR 12\"/>
 - 6 REFRIGERANT PIPING ROUTED DOWN EXTERIOR WALL TO CONDENSING UNIT.
 - 7 PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6\"/>
 - 8 PROVIDE WALL MOUNTED UNIT CONTROLLER, MOUNTED AT 4'-6\"/>
 - 9 PROVIDE FABRICATED SHEET METAL OR MANUFACTURED COVER FOR REFRIGERANT LINESETS AND UNIT WIRING ROUTED AT BUILDING EXTERIOR. COVER SHALL BE PAINTED TO MATCH BUILDING EXTERIOR COLOR, WITH COLOR SELECTED BY PROJECT ARCHITECT.
 - 10 PROVIDE SINGLE CONTINUOUS CONCRETE MOUNTING PAD FOR INSTALLATION OF GROUPED OUTDOOR UNITS. REFER TO MOUNTING PAD DETAIL 2/CJ002.



2 RTU-1 SECTION EAST-WEST
1/4" = 1'-0"

PROJECT KEY PLAN

VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



1 BUILDING 145 - ENLARGED FIRST FLOOR REMODEL PLAN
1/4" = 1'-0"

Revisions:	Date:

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145 - ENLARGED REMODEL PLANS

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PHASE
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DOCUMENTS

FLS
FULLY SPRINKLERED

PROJECT TITLE
**EHRM INFRASTRUCTURE
UPGRADES**

LOCATION
FORT MEADE, SOUTH DAKOTA

ISSUE DATE
01/31/2025

CHECKED BY
ADR

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AF

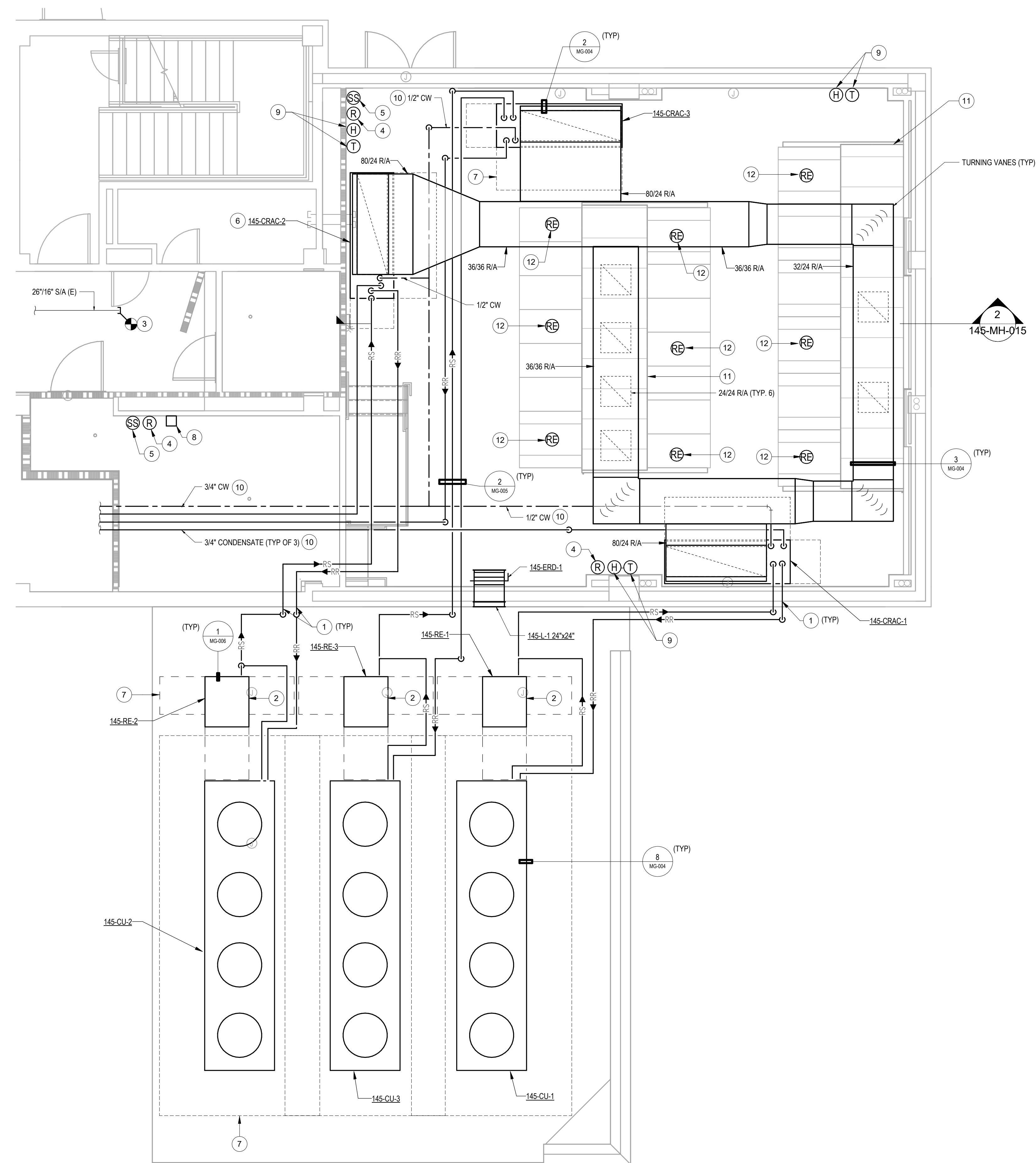
PROJECT NUMBER
568-21-701

BUILDING NUMBER
BLDG 145

DRAWING NUMBER
145-MH-014

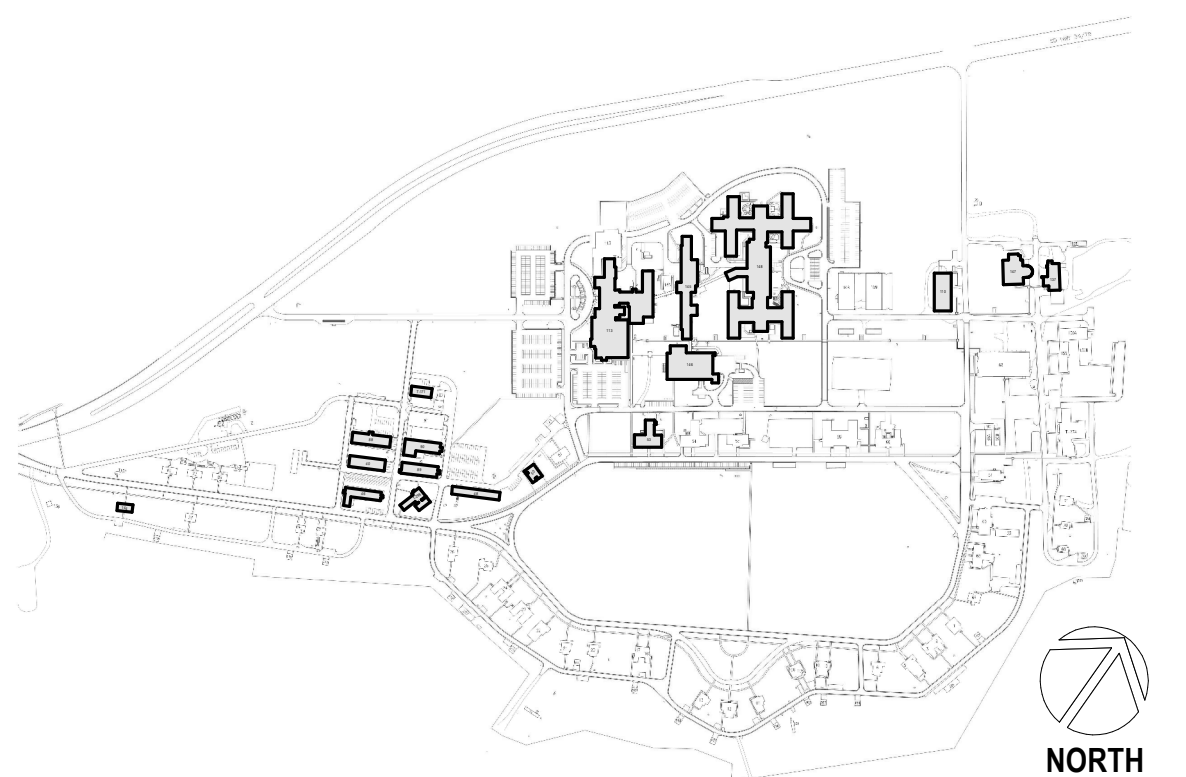
PLAN NOTES

- 2 SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
3 PRE-ECONOMIZER MOUNTED ON PAD ADJACENT TO DRY COOLER UNIT. INSTALL PER
4 MANUFACTURER'S INSTRUCTIONS.
5 PROVIDE END CAP AND SEAL DUCT AIR TIGHT.
6 INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
7 WALL MOUNTED EMERGENCY POWER-OFF (EPO) SWITCH BY DIVISION 26 CONTRACTOR. REFER
8 TO ELECTRICAL SHEETS FOR INFORMATION. EPO SWITCH SHALL DEACTIVATE ALL HVAC
9 EQUIPMENT SERVING THE AREA.
10 PROVIDE CHECK VALVE, STRAINER, AND ISOLATION VALVE UPSTREAM OF CONNECTION TO CRAC
11 UNIT. (TYP) OF ALL CRAC VALVES.
12 EQUIPMENT SERVICE CLARIFICATION (TYP).
13 WALL MOUNTED CRAC SYSTEM NETWORK CONTROLLER WITH TOUCHSCREEN. LIBERTY
14 VSNA14-14-COM-1. ALL CRAC UNITS IN MCR SHALL BE NETWORKED TO THIS CONTROLLER.
15 PROVIDE COMBINATION TEMPERATURE & HUMIDITY SENSOR CONNECTED TO DDC SYSTEM.
16 (TYP) 10' AFF.
17 PROVIDE WELDED SEAMLESS STAINLESS STEEL, DRIP PAN BELOW ALL PIPING CONVEYING FLUIDS
18 ABOVE THE MCR AREA. DRIP PAN SHALL EXTEND 2" MINIMUM FROM BOTH SIDES OF PIPE. SLOPE
19 TO CONDENSATE PUMP. ROUTE CONDENSATE FROM PUMP TO INDOOR UNIT CONDENSATE
20 PUMP. PROVIDE CHECK VALVE AND ISOLATION LIQUID DETECTOR IN DRAIN PAN AND CONNECT TO DDC
21 SYSTEM. REFER TO DETAL 2MG-05.
22 REFER TO ARCHITECTURAL DOCUMENTS FOR NOT ASLE CONTAINMENT SYSTEM.
23 PROVIDE TEMPERATURE SENSORS INSTALLED AT LOWPOINT, HIGHPOINT, AND HIGH/REAR
24 CORNERS ON DATA CENTER FLOOR. PROVIDE TEMPERATURE/HUMIDITY SENSOR AT
25 MIDDLE/FRONT OF DATA CABINET. REFER TO DETAL 4MG-04 FOR INSTALLATION.



PROJECT KEY PLAN

VA BLACK HILLS HEALTH CARE | FORT MESDE, SD 5774



2 MCR SECTION
1/4" = 1'-0"

 **1** **BUILDING 145 - ENLARGED MCR REMODEL PLAN**
1/4" = 1'-0"

[illegible]

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DRAWING TITLE
145 - ENLARGED REMODEL PLANS

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PHASE
100% CONSTRUCTION
DOCUMENTS

FLS

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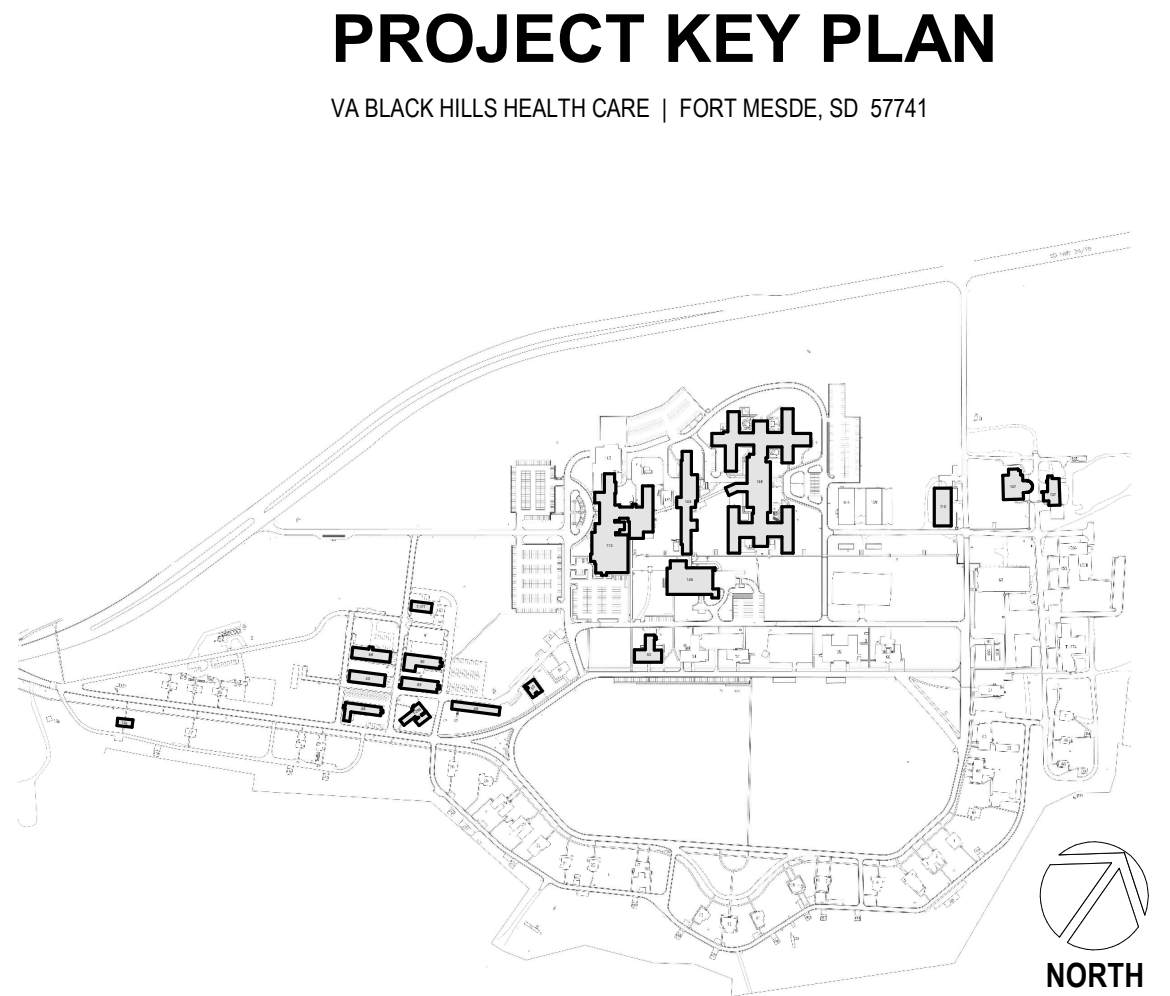
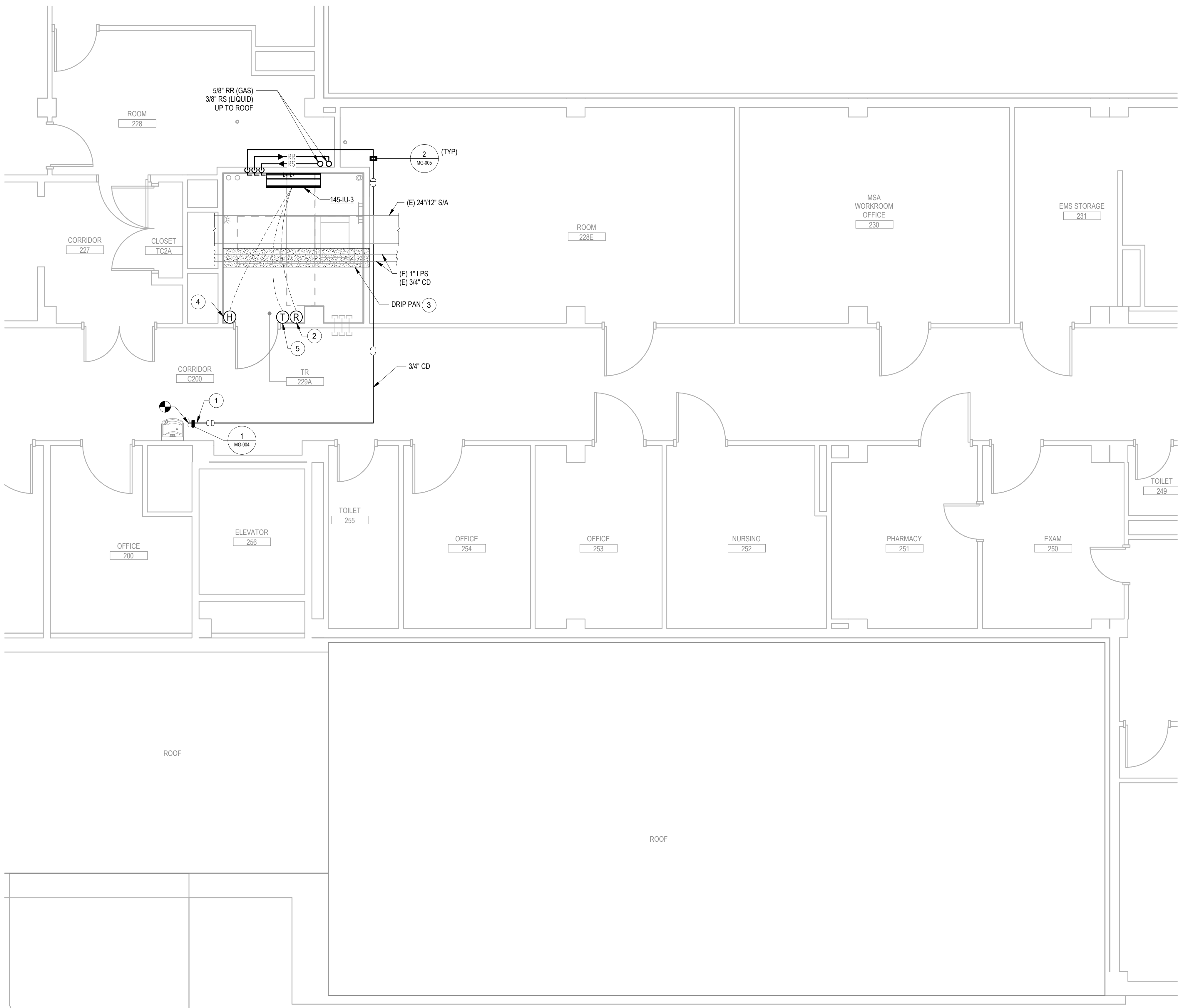
PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES

LOCATION
FORT MEADE, SOUTH DAKOTA

PROJECT NUMBER	568-21-701
BUILDING NUMBER	BLDG 145

145-MH-015

- PLAN NOTES**
- ROUTE 3/4" CONDENSATE DOWN WALL TO NEW AIR GAP FITTING. CONNECT TO (E) WASTE MAIN BELOW (E) PLUMBING FIXTURE. PROVIDE WALL ACCESS HATCH. DEMOLISH AND PATCH WALL AS NECESSARY.
 - INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
 - PROVIDE WELDED SEAMLESS STAINLESS STEEL DRIP PAN BELOW. ALL PIPING CONVEYING FLUIDS ABOVE TR AREA. DRIP PANS SHALL EXTEND 6" MIN FROM BOTH SIDES OF PIPE. PROVIDE 3/4" DRAIN FROM DRIP PAN AND ROUTE SIMILAR TO U CONDENSATE DRAIN.
 - PROVIDE HUMIDITY AND TEMPERATURE SENSOR IN TR ROOM, MOUNTED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.
 - PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.



1 BUILDING 145 - ENLARGED SECOND FLOOR REMODEL PLAN

1/4" = 1'-0"



Revisions:	Date:

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DOCUMENTS

FLS

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PROJECT TITLE

EHRM INFRASTRUCTURE
UPGRADES

LOCATION

FORT MEADE, SOUTH DAKOTA

ISSUE DATE	CHECKED BY	DRAWN BY
01/31/2025	ADR	AF

PROJECT NUMBER

568-21-701

BUILDING NUMBER

BLDG 145

DRAWING NUMBER

145-MH-016



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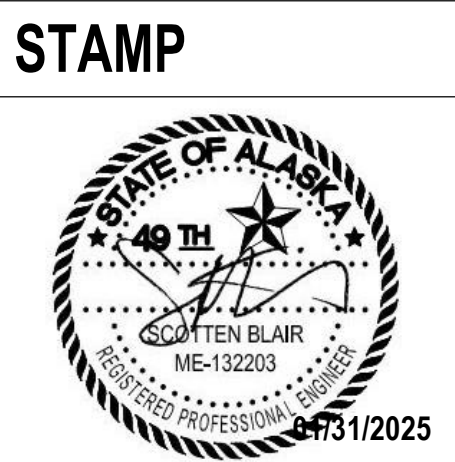
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EHRM INFRASTRUCTURE
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FORT MEADE, SOUTH DAKOTA

ISSUE DATE

01/31/2025

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PROJECT NUMBER

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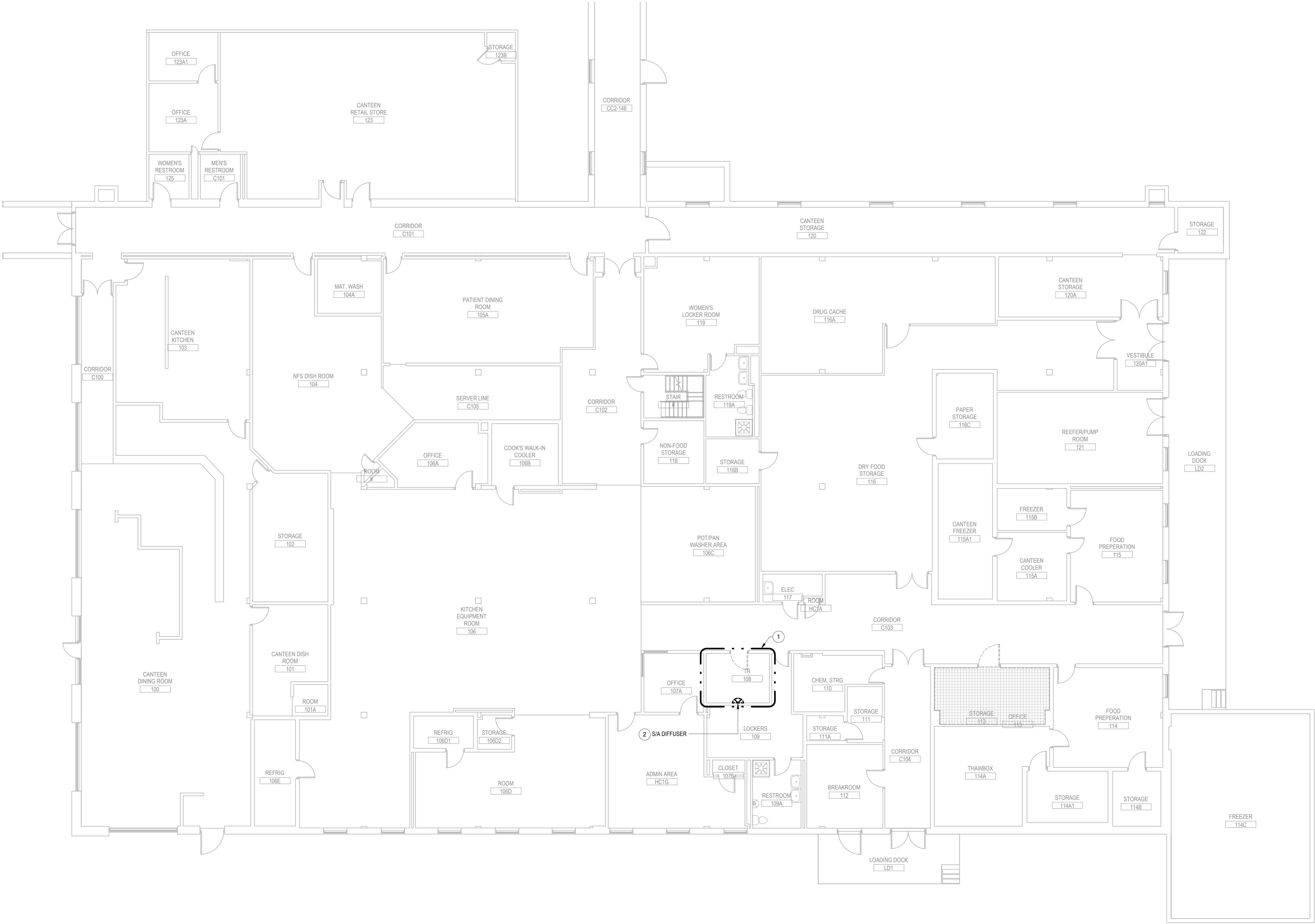
DRAWING NUMBER

145-MH-017

PLAN NOTES

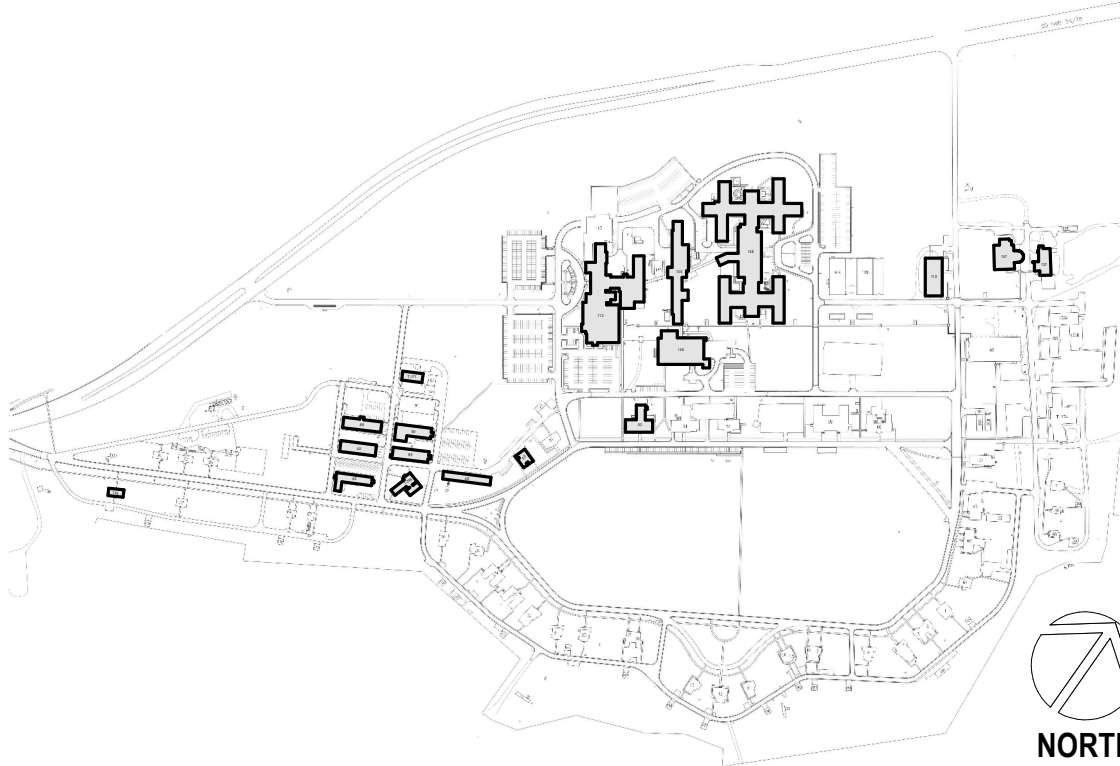
1 APPROXIMATE OUTLINE OF NEW TR AREA. SEE REMODEL SHEETS FOR ALL DISCIPLINES FOR ADDITIONAL INFORMATION.

2 DEMOLISH SA DIFFUSER. PATCH AND SEAL OPENING AIRTIGHT. CAP SA DUCT AT BRANCH LINE ABOVE HARD LID.



PROJECT KEY PLAN

VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



1 BUILDING 146 - FIRST FLOOR DEMOLITION PLAN - OVERALL

1/8" = 1'-0"



Revisions:	Date:

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DRAWING TITLE

146 - MECHANICAL DEMOLITION -
FIRST FLOOR - OVERALL

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DOCUMENTS

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PROJECT TITLE

EHRM INFRASTRUCTURE
UPGRADES

LOCATION

FORT MEADE, SOUTH DAKOTA

ISSUE DATE

01/31/2025

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PROJECT NUMBER

568-21-701

BUILDING NUMBER

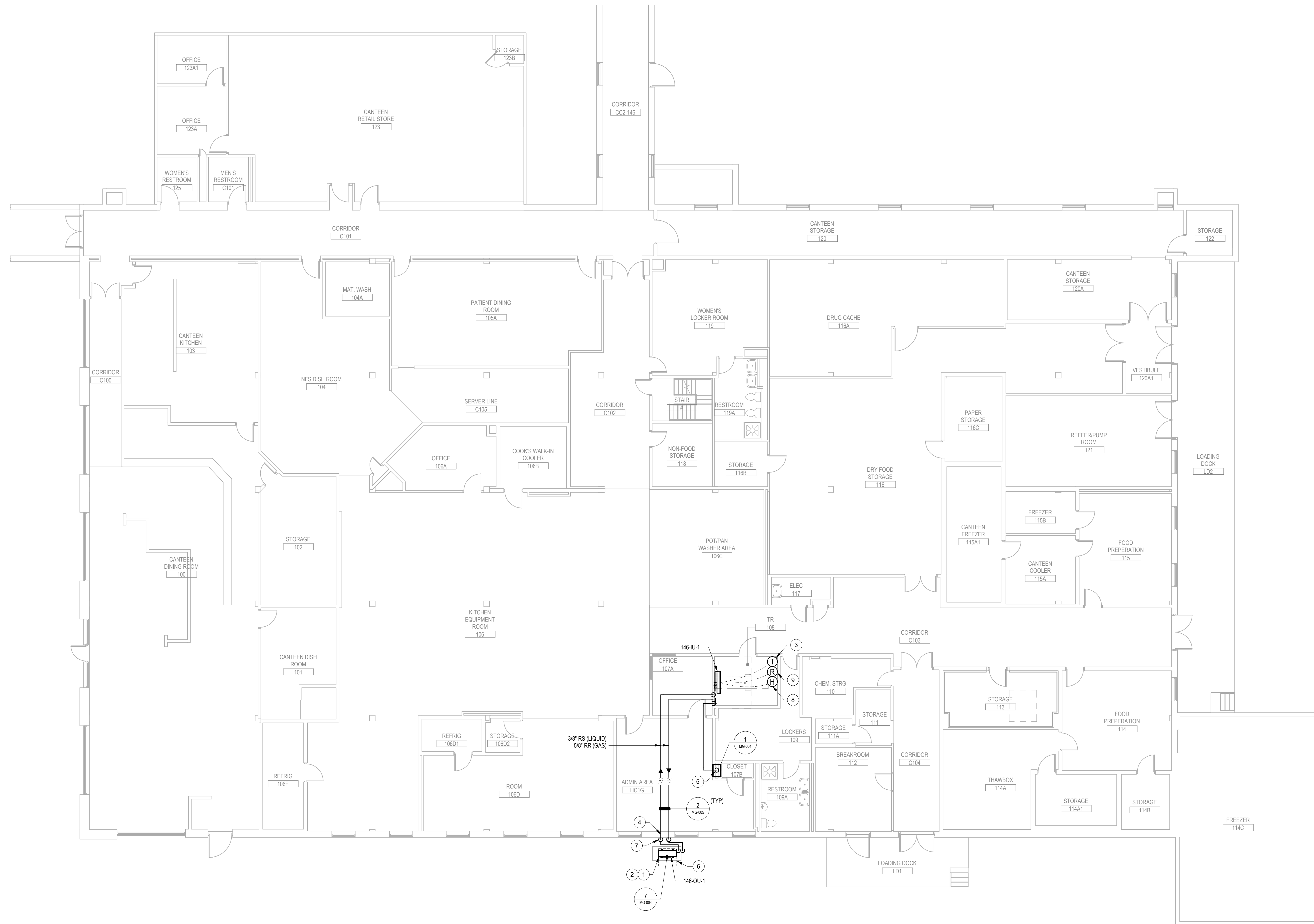
BLDG 146

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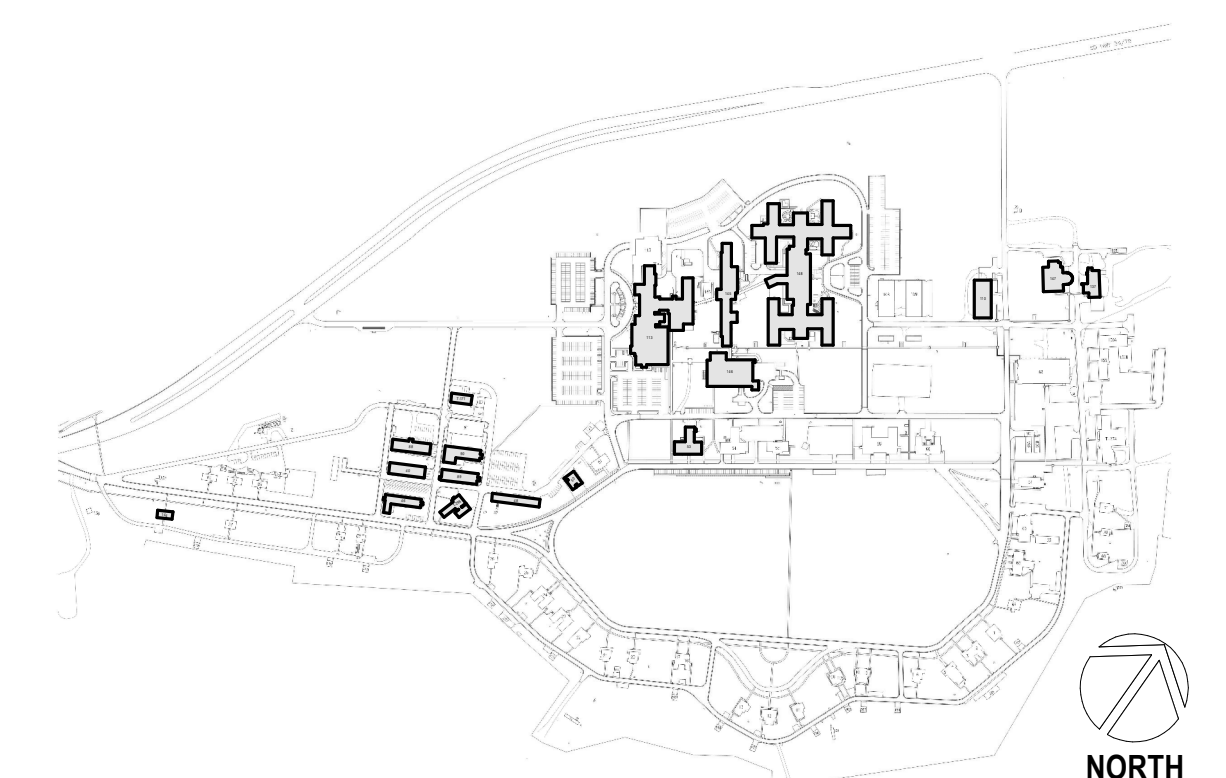
PLAN NOTES

- 1 COORDINATE WITH CIVIL FOR EXTERIOR HOUSEKEEPING PAD DETAILS FOR OUTDOOR
CONDENSING UNIT.
- 2 REF. TO ARCHITECTURAL DOCUMENTS FOR CONDENSING UNIT PAD, SNOW PROTECTION AND
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- 3 PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
- 4 SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
- 5 ROUTE 3/4" CONDENSATE PIPING TO NEW AIR-SEAL CAPTING CONNECT TO 1" WASTE MAIN
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TO DDC SYSTEM.
- 8 INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.

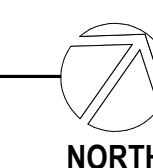


PROJECT KEY PLAN

VA BLACK HILLS HEALTH CARE | FORT MESDE, SD 57741



1 BUILDING 146 - FIRST FLOOR REMODEL PLAN - OVERALL
1/8" = 1'-0"

[illegible]

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541.436.4723


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STAMP



04/31/2025

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VA | U.S. Department
of Veterans Affairs

DRAWING TITLE	
146 - MECHANICAL REMODEL - FIRST FLOOR - OVERALL	
APPROVED:	
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PHASE	100% CONSTRUCTION DOCUMENTS
FLS	FULLY SPRINKLERED

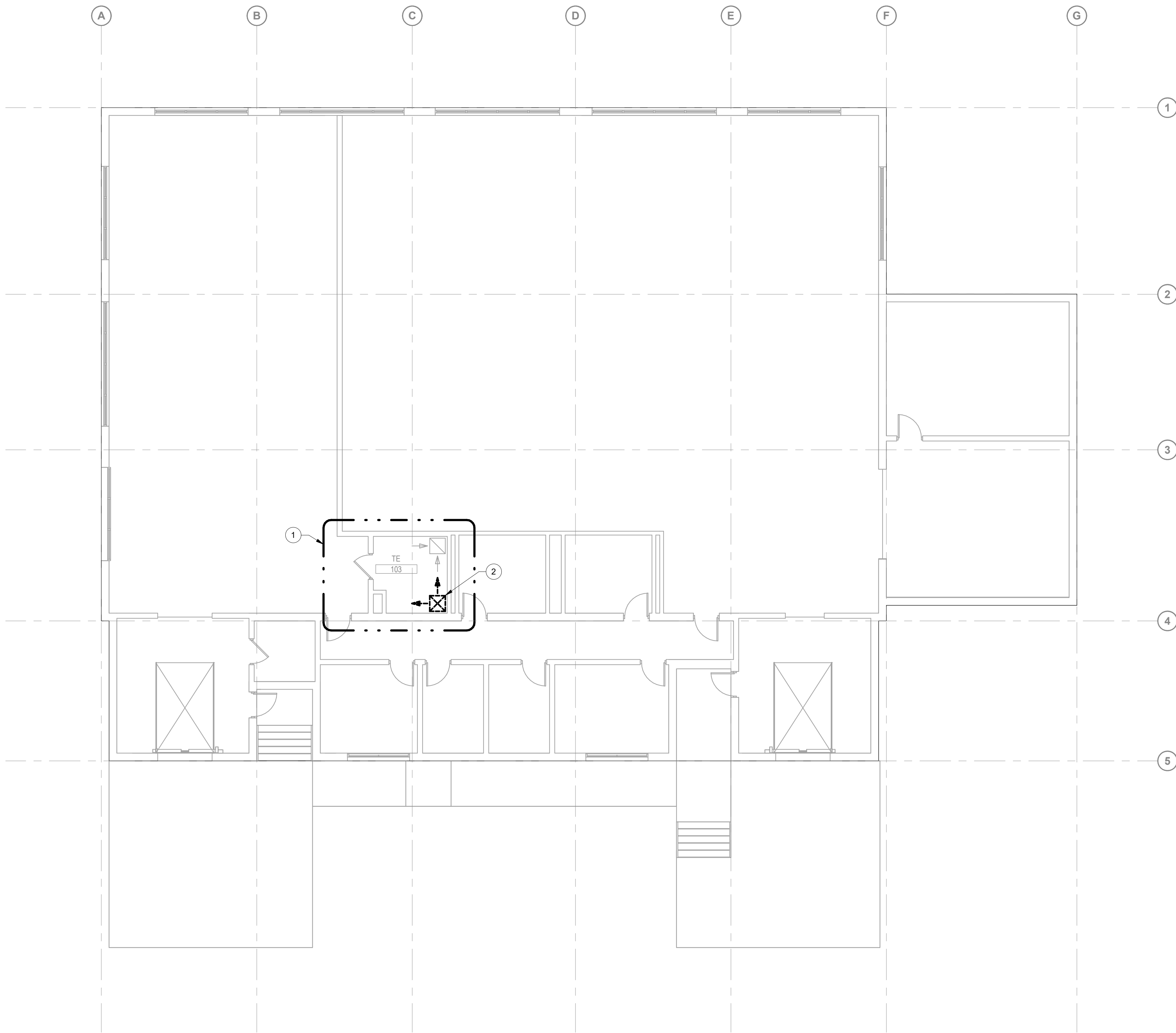
PROJECT TITLE				PI
EHRM INFRASTRUCTURE UPGRADES				BI
LOCATION				
FORT MEADE, SOUTH DAKOTA				
ISSUE DATE	CHECKED BY	DRAWN BY		
01/31/2025	ADR	AF		

PROJECT NUMBER
568-21-701

BUILDING NUMBER
BLDG 146

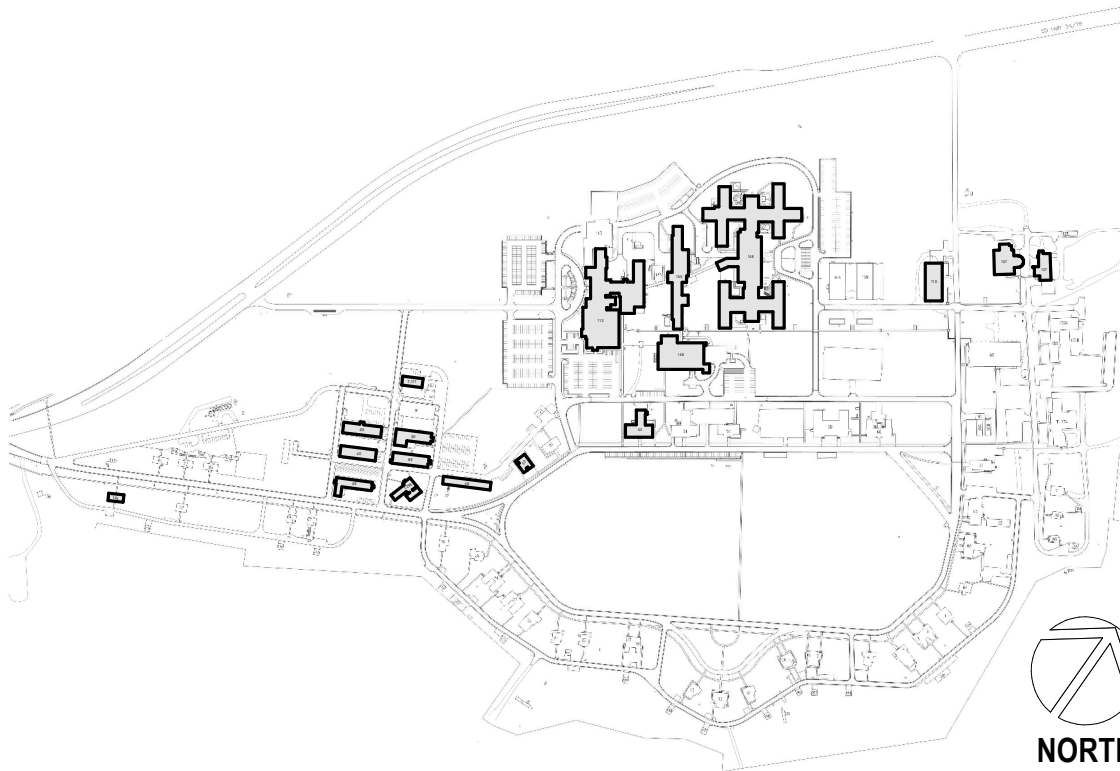
DRAWING NUMBER
146-MH-011

- PLAN NOTES**
- 1 APPROXIMATE OUTLINE OF NEW TR AREA. SEE REMODEL SHEETS FOR ALL DISCIPLINES FOR ADDITIONAL INFORMATION.
 - 2 DEMOLISH SA DIFFUSER. EXPAND OPENING FOR NEW SA DIFFUSER.



**BUILDING 147 - FIRST FLOOR
DEMOLITION PLAN - OVERALL**
1/8" = 1'-0"

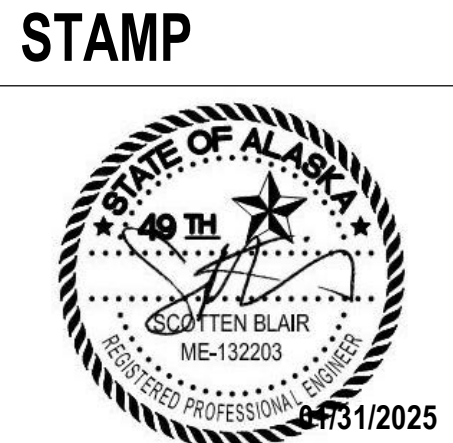
PROJECT KEY PLAN
VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



Revisions:	Date:

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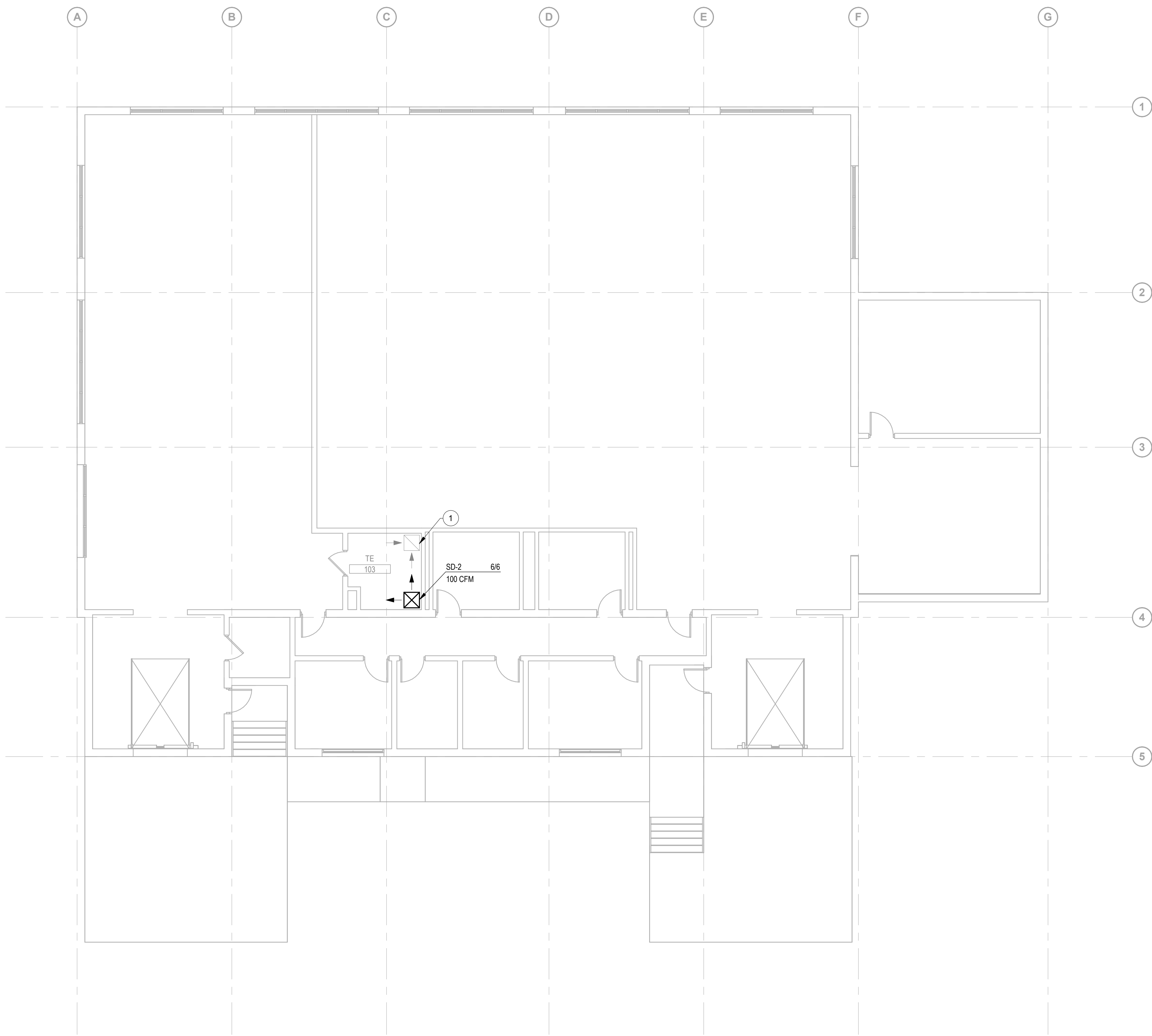
DRAWING TITLE
147 - MECHANICAL DEMOLITION -
FIRST FLOOR - OVERALL
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DOCUMENTS
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PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES
LOCATION
FORT MEADE, SOUTH DAKOTA
ISSUE DATE
01/31/2025
CHECKED BY
ADR
DRAWN BY
AF

PROJECT NUMBER
568-21-701
BUILDING NUMBER
BLDG 147
DRAWING NUMBER
147-MD-011

PLAN NOTES
1 REBALANCE AIRFLOW TO ROOM 103. ADJUST AIRFLOW FOR 20% POSITIVE PRESSURE.

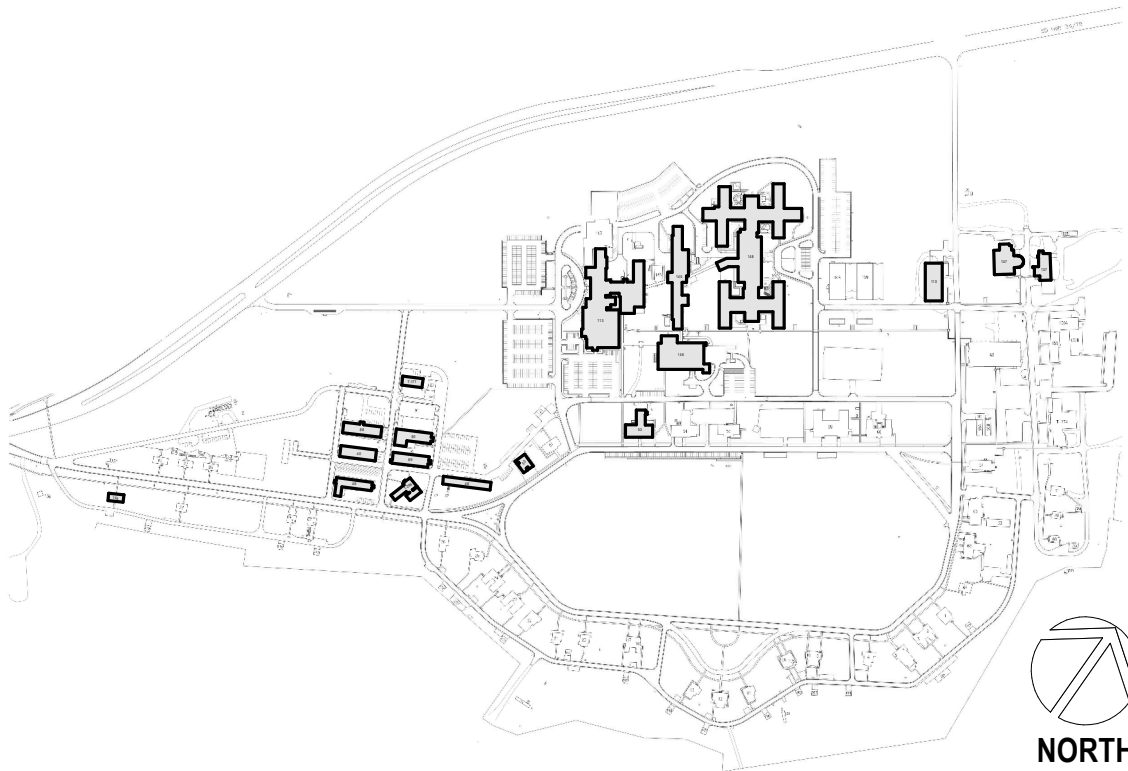


1 BUILDING 147 - FIRST FLOOR REMODEL PLAN - OVERALL
1/8" = 1'-0"



PROJECT KEY PLAN

VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



Revisions:	Date:

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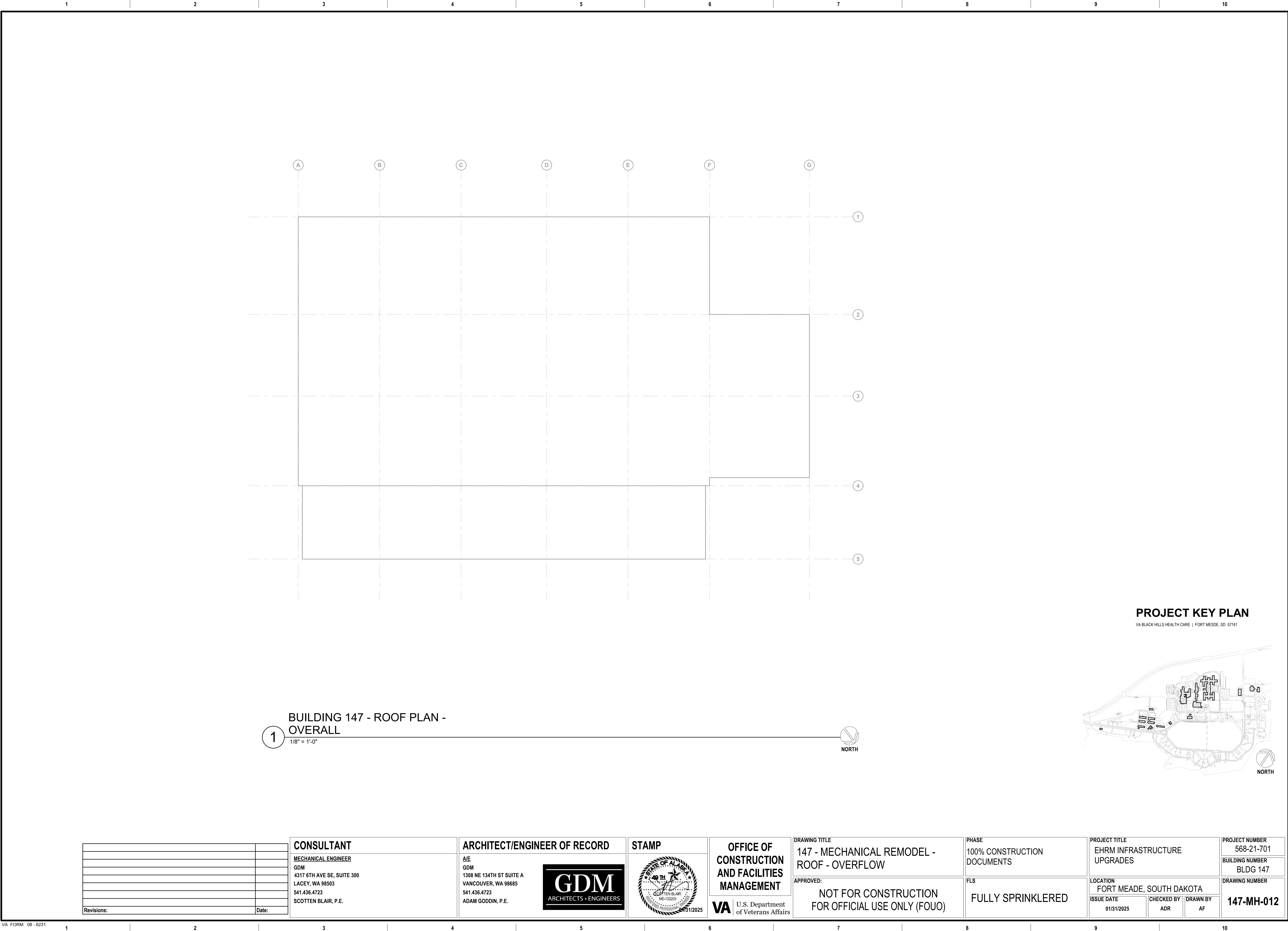
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DRAWING TITLE
147 - MECHANICAL REMODEL -
FIRST FLOOR - OVERALL
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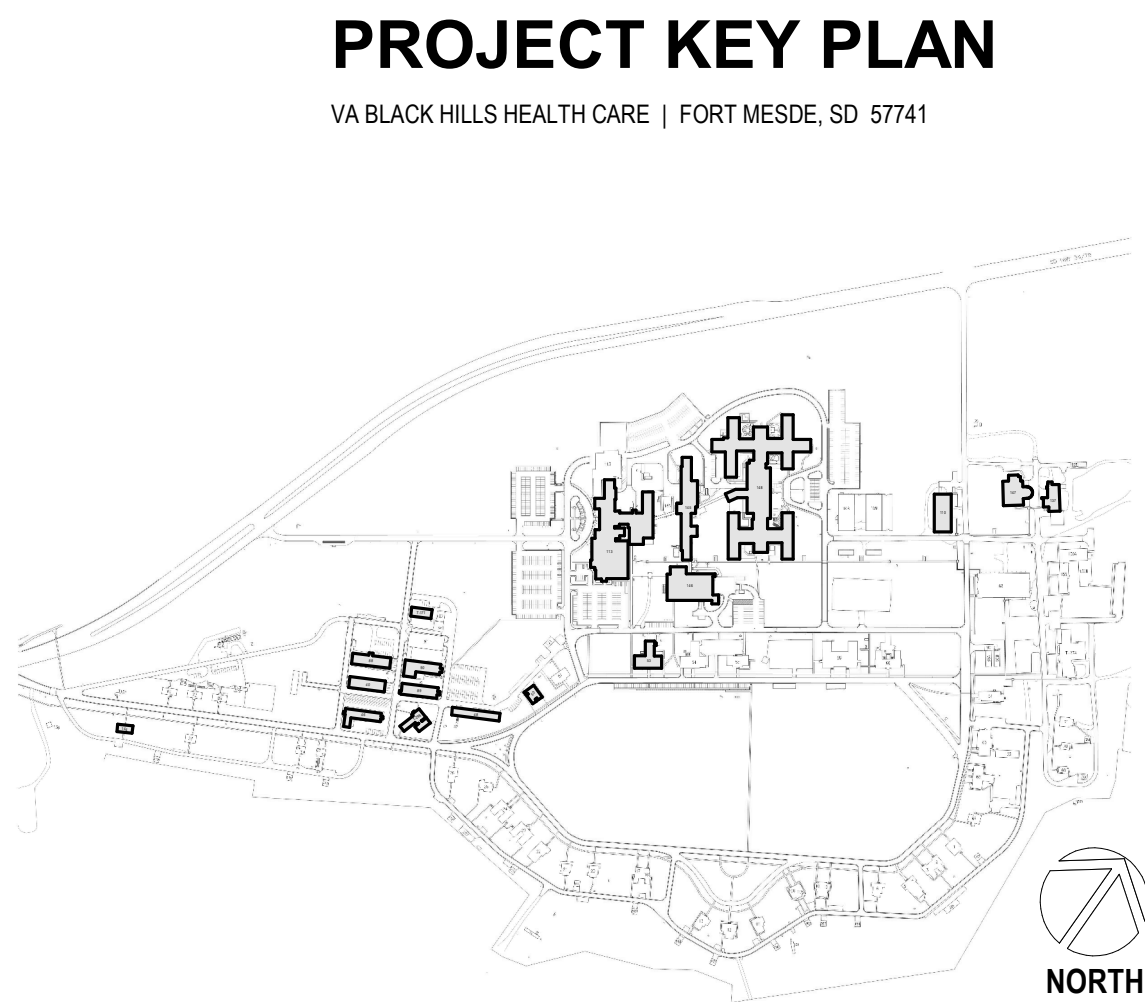
PHASE
100% CONSTRUCTION
DOCUMENTS
FLS
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PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES
LOCATION
FORT MEADE, SOUTH DAKOTA
ISSUE DATE
01/31/2025
CHECKED BY
ADR
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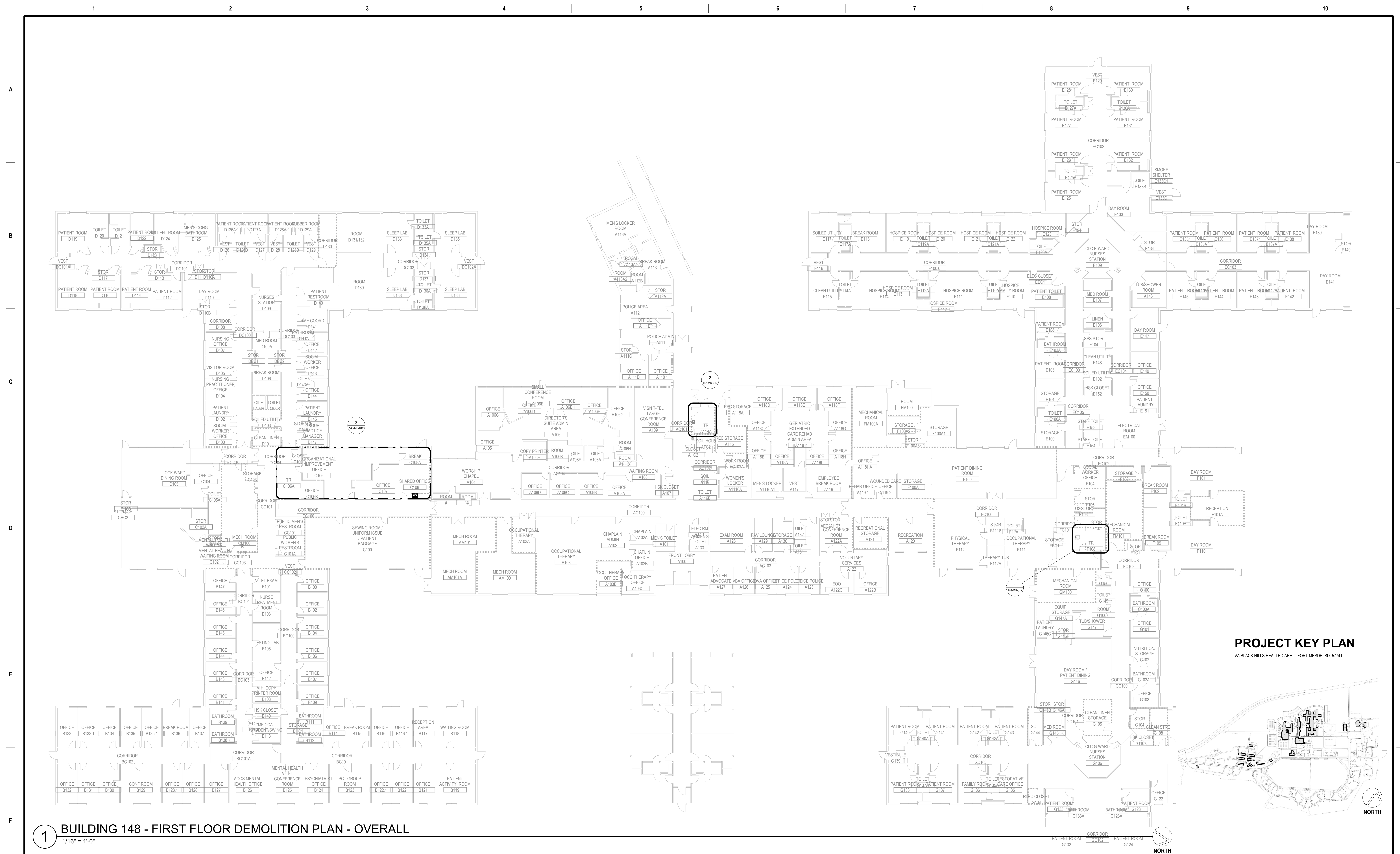
PROJECT NUMBER
568-21-701
BUILDING NUMBER
BLDG 147
DRAWING NUMBER
147-MH-011



1 BUILDING 147 - ROOF PLAN -
OVERALL
1/8" = 1'-0"



Revisions:	Date:	CONSULTANT MECHANICAL ENGINEER GDM 4317 6TH AVE SE, SUITE 300 LACEY, WA 98503 541.436.4723 SCOTTEN BLAIR, P.E.	ARCHITECT/ENGINEER OF RECORD A/E GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 ADAM GODDIN, P.E.	STAMP 	OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT VA U.S. Department of Veterans Affairs	DRAWING TITLE 147 - MECHANICAL REMODEL - ROOF - OVERFLOW	PHASE 100% CONSTRUCTION DOCUMENTS	PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES	PROJECT NUMBER 568-21-701
						APPROVED: NOT FOR CONSTRUCTION FOR OFFICIAL USE ONLY (FOUO)	FLS FULLY SPRINKLERED	LOCATION FORT MEADE, SOUTH DAKOTA	BUILDING NUMBER BLDG 147
								ISSUE DATE 01/31/2025	DRAWN BY AF
								CHECKED BY ADR	DRAWING NUMBER 147-MH-012



1 BUILDING 148 - FIRST FLOOR DEMOLITION PLAN - OVERALL
1/16" = 1'-0"

[illegible]

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VA U.S. Department
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DRAWING TITLE

148 - MECHANICAL DEMOLITION -
FIRST FLOOR - OVERALL

APPROVED:

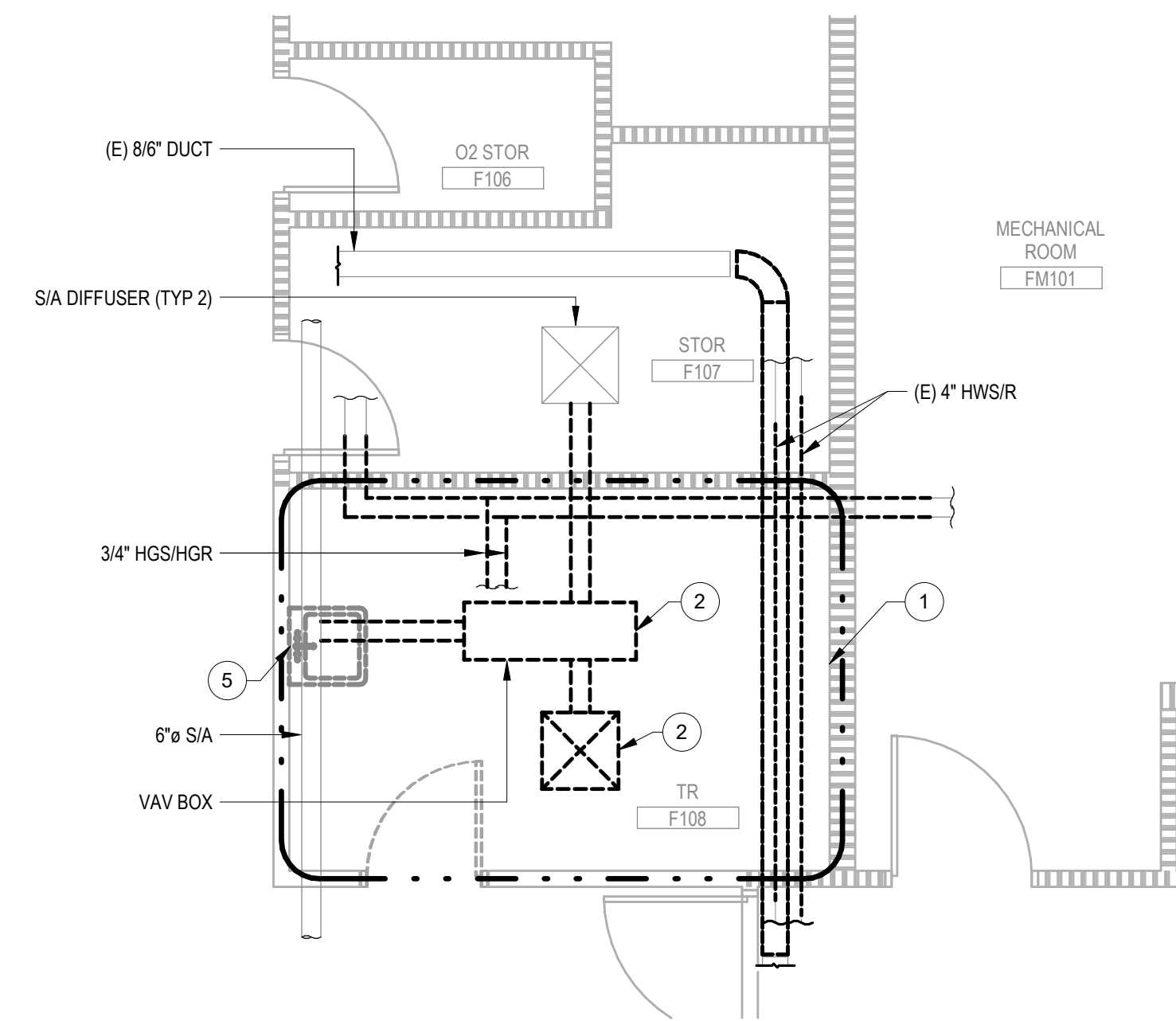
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	PHASE 100% CONSTRUCTION DOCUMENTS
	FLS FULLY SPRINKLERED

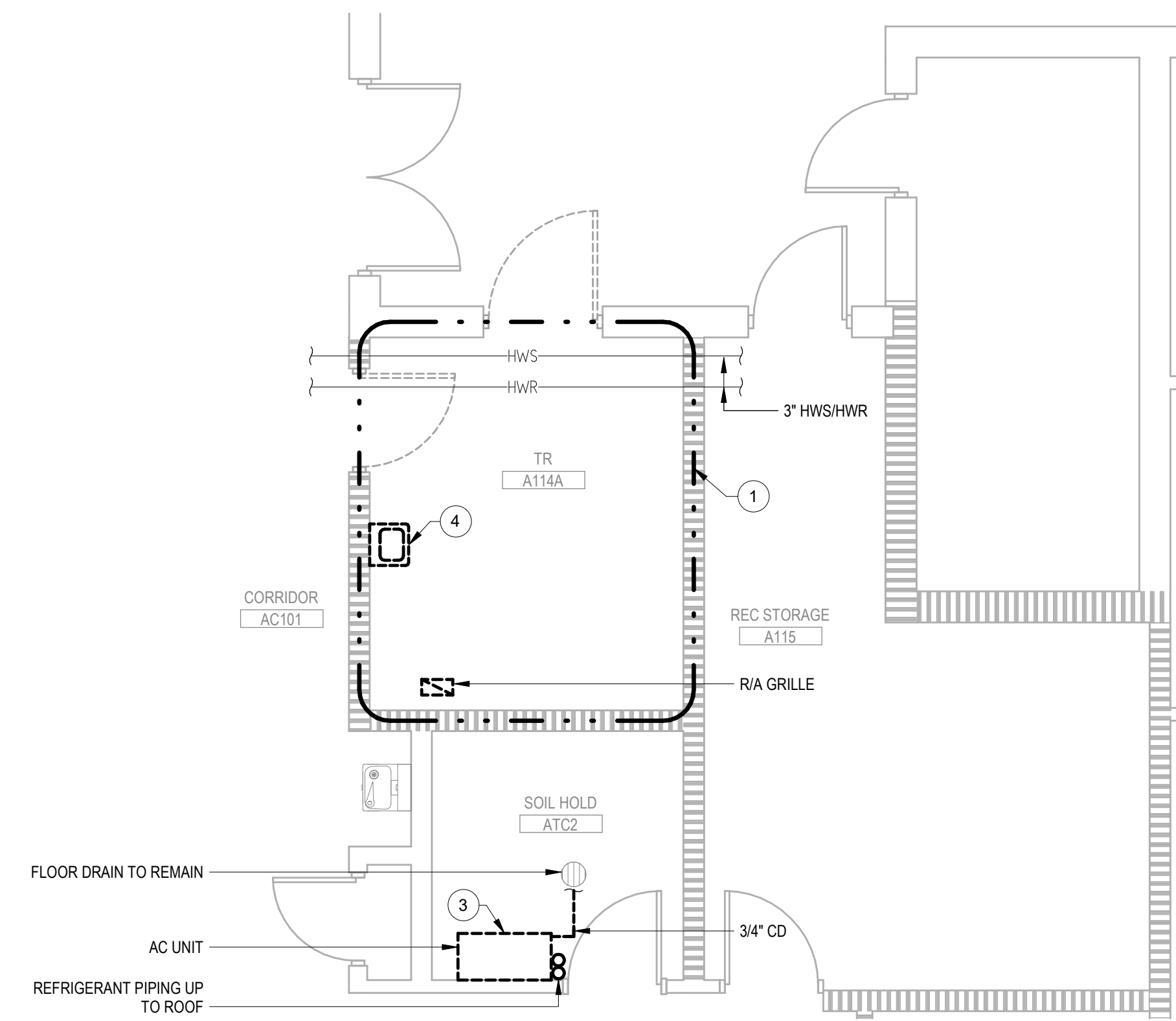
PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES			PROJECT NUMBER 568-21-701	
LOCATION FORT MEADE, SOUTH DAKOTA			BUILDING NUMBER BLDG 148	
			DRAWING NUMBER	
ISSUE DATE 01/31/2025	CHECKED BY ADR	DRAWN BY AF	148-MD-011	

PLAN NOTES

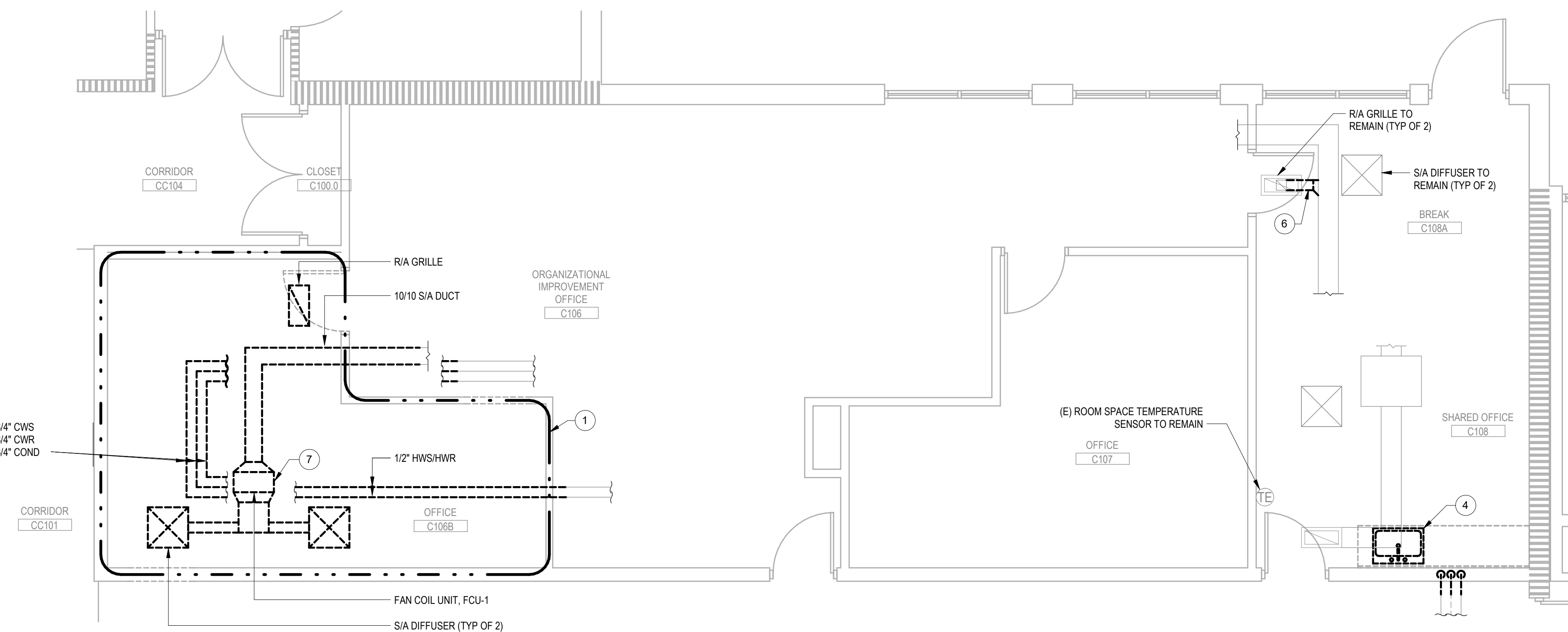
- 1 APPROXIMATE OUTLINE OF NEW FRESH AIR. SEE REMODEL SHEETS FOR ALL DISCIPLINES FOR
ADDITIONAL INFORMATION.
- 2 SALVAGE VAN BOX AND HANGING WATER PIPING VALVE TRIM FOR RELOCATION. DEMOLISH LOW
PRESSURE DUCTWORK, MEDIUM PRESSURE DUCTWORK, AND SA DIFFUSER AS INDICATED. CAP
MEDIUM PRESSURE DUCTWORK BRANCH AT MAIN TRUNK.
- 3 DEMOLISH HX-2 UNIT. ASSURE THE REMOVED UNIT IS PROPERLY MOUNTED, REFRIGERANT PIPING, AND
CONDENSATE PIPING AS INDICATED.
- 4 DEMOLISH DOMESTIC WATER, WASTE, AND VENT PIPING TO SINK AS NECESSARY TO
ACCOMMODATE REMODEL. DEMOLISH EXISTING WATER FOR SINK AND VENT PIPING.
- 5 RETAIN (E) COLD WATER, AND (E) WASTE STUBS FOR FUTURE INDOOR UNIT CONNECTION.
DEMOLISH CONNECTED RETURN AIR DUCT BACK TO MAIN AND CAP. RETURN AIR GRILLE TO
REMAIN.
- 6 SALVAGE FAN COIL UNIT FOR RELOCATION. DEMOLISH SA DUCTWORK, DIFFUSERS, CHILLED
WATER PIPING, HEATING WATER PIPING, AND CONDENSATE PIPING AS INDICATED.



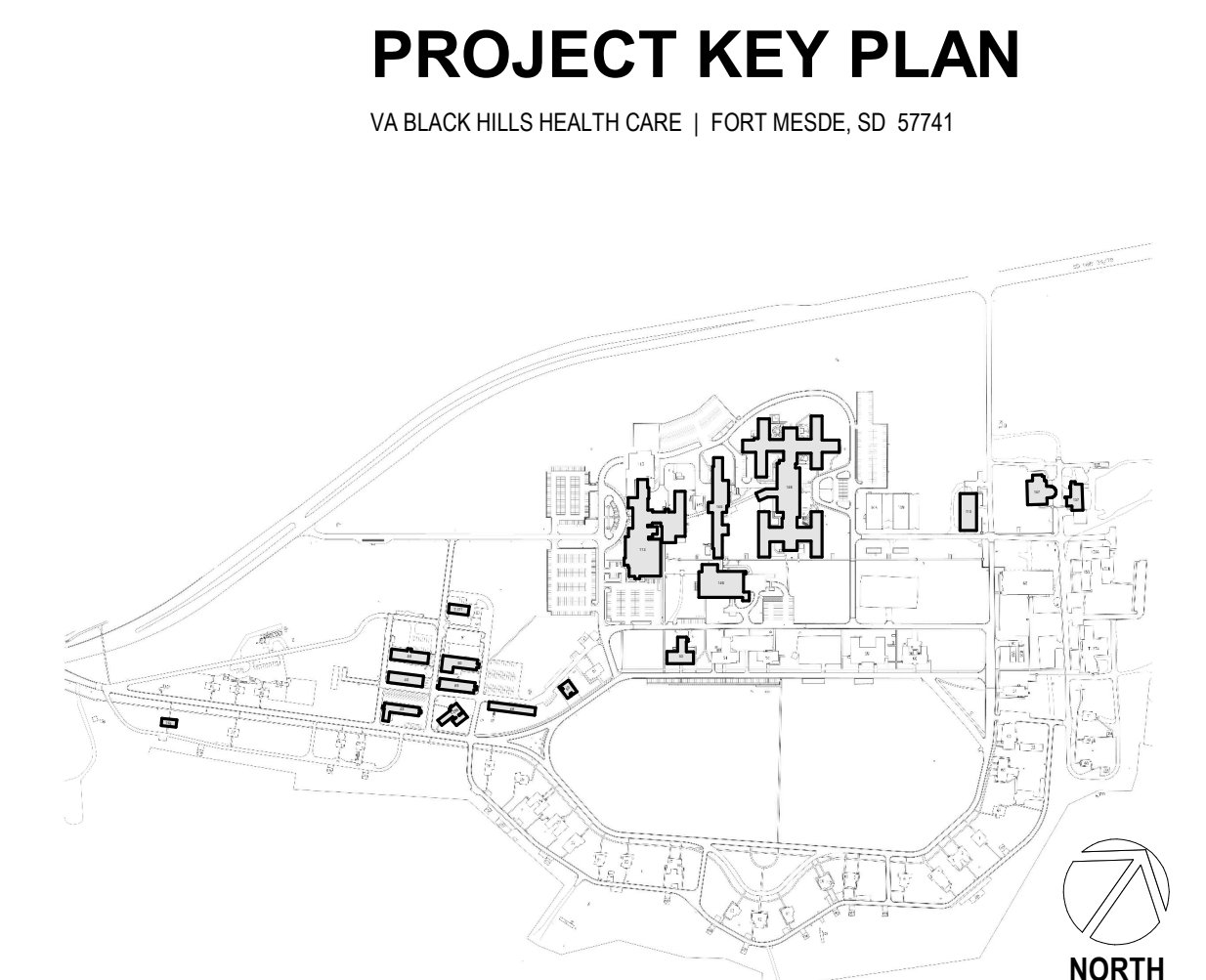
1 BUILDING 148 - ENLARGED FIRST FLOOR DEMOLITION PLAN - 108
1/4" = 1'-0" 
NORTH



2 BUILDING 148 - ELARGED FIRST FLOOR DEMOLITION PLAN - 114
1/4" = 1'-0" 



3 BUILDING 148 - ENLARGED FIRST FLOOR DEMOLITION PLAN - 106
1/4" = 1'-0"

[illegible]

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DRAWING TITLE

148 - ENLARGED MECHANICAL
DEMOLITION PLANS

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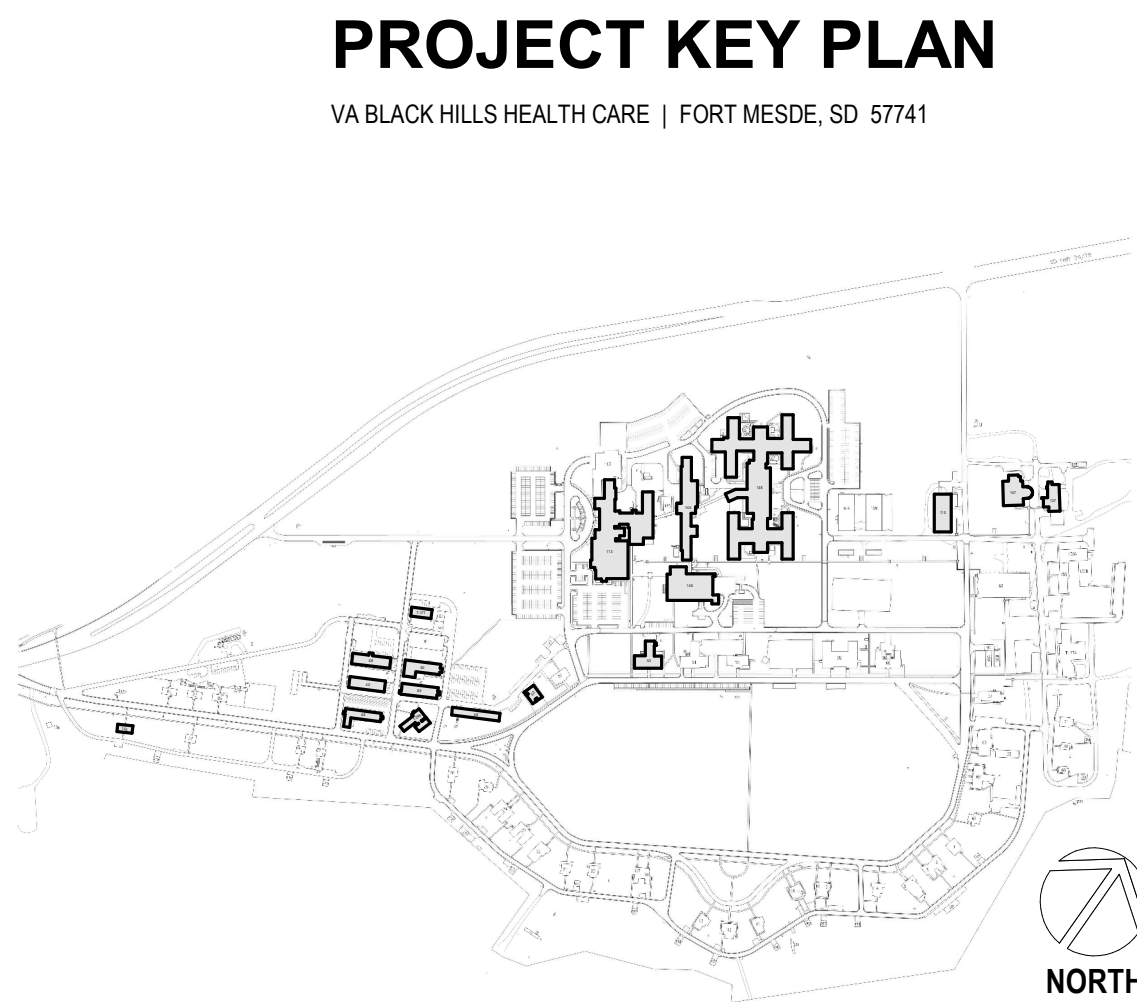
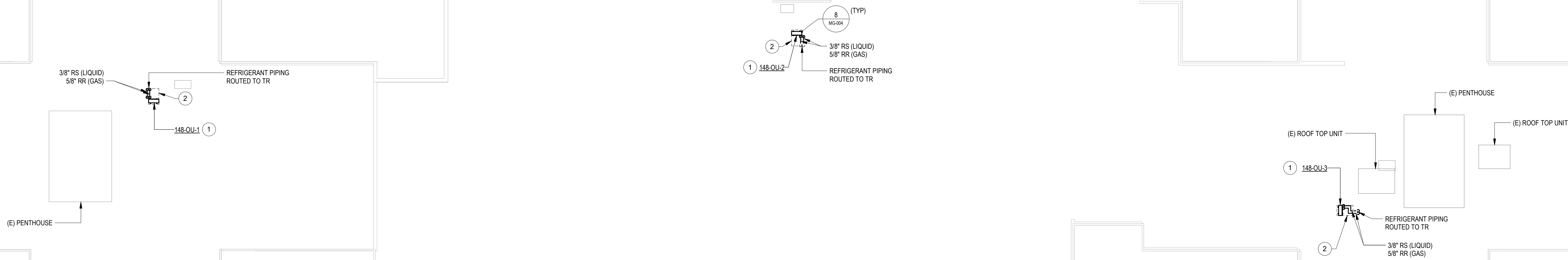
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PHASE	100% CONSTRUCTION DOCUMENTS
FLS	FULLY SPRINKLERED

PROJECT TITLE			
EHRM INFRASTRUCTURE UPGRADES			
LOCATION			
FORT MEADE, SOUTH DAKOTA			
ISSUE DATE	CHECKED BY		DRAWN BY
01/31/2025	ADR		AF

PROJECT NUMBER 568-21-701
BUILDING NUMBER BLDG 148
DRAWING NUMBER 148-MD-012

- PLAN NOTES**
- 1 LOCATE OUTDOOR CONDENSING UNIT MIN. 10' FROM ROOF EDGE.
 - 2 EQUIPMENT SERVICE CLEARANCE (TYP).

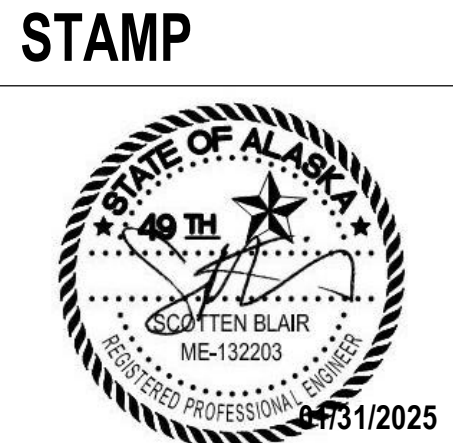


1 BUILDING 148 - MECHANICAL REMODEL - ROOF - OVERALL
1/16" = 1'-0"

Revisions:	Date:

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DRAWING TITLE
148 - MECHANICAL REMODEL -
ROOF - OVERALL

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PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES

LOCATION
FORT MEADE, SOUTH DAKOTA

ISSUE DATE
01/31/2025

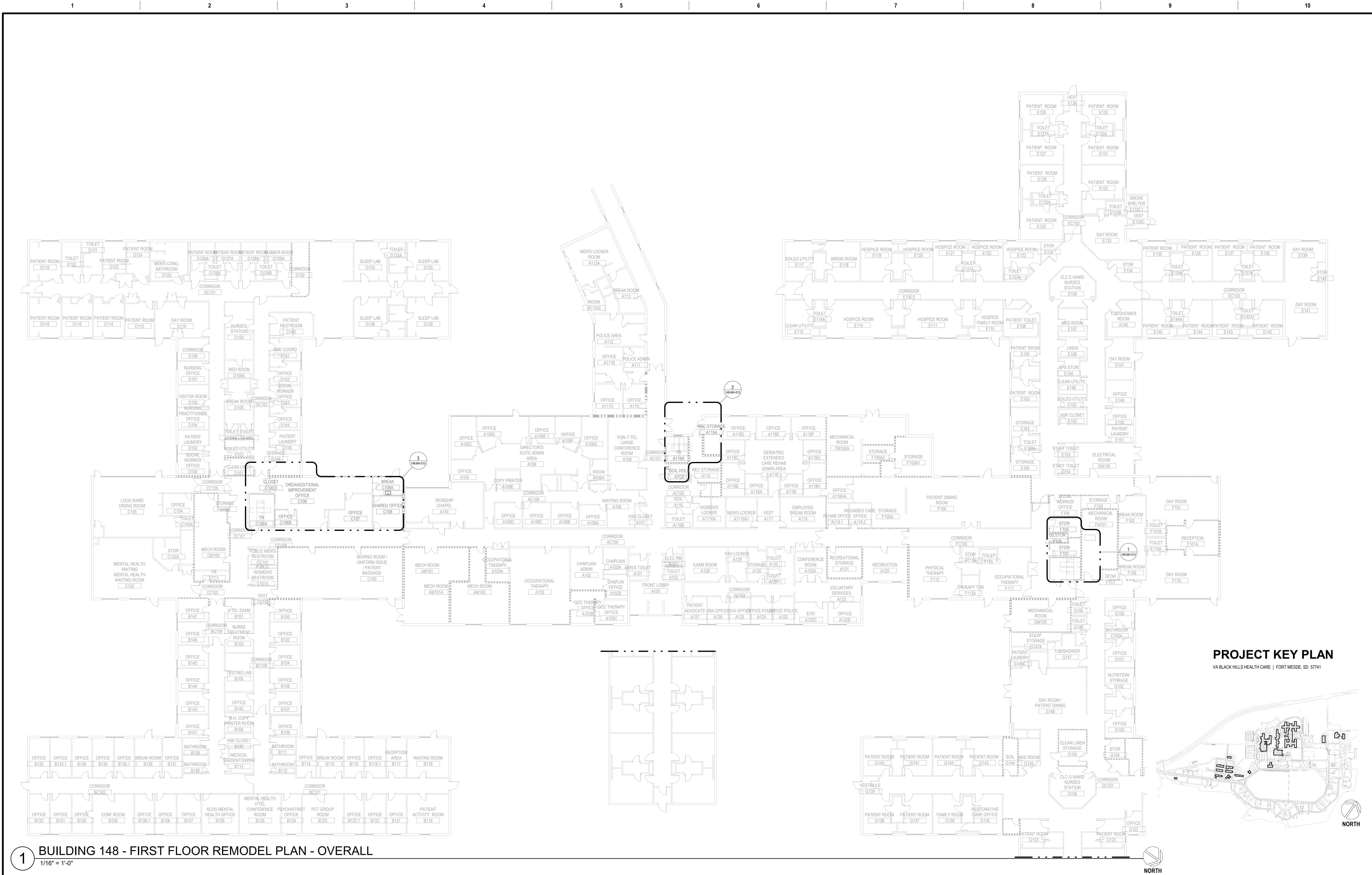
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PROJECT NUMBER
568-21-701

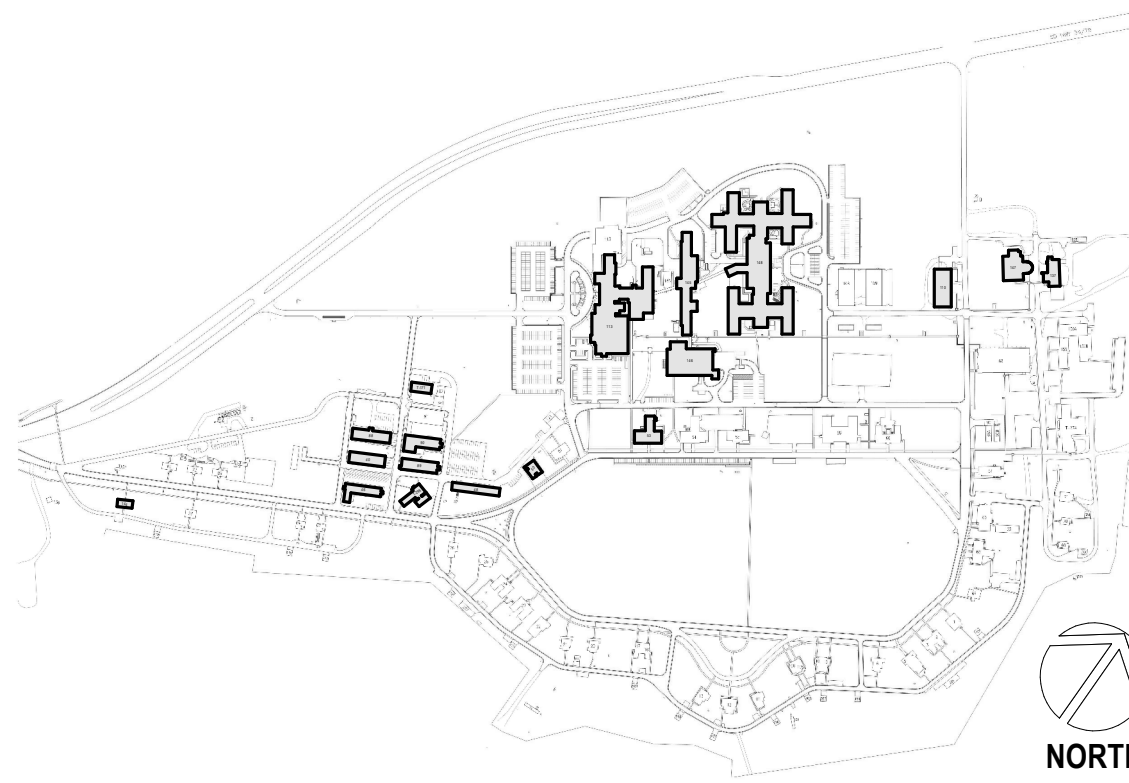
BUILDING NUMBER
BLDG 148

DRAWING NUMBER
148-MH-011



1 BUILDING 148 - FIRST FLOOR REMODEL PLAN - OVERALL
1/16" = 1'-0"

PROJECT KEY PLAN
VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



Revisions:	Date:

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VA U.S. Department
of Veterans Affairs

DRAWING TITLE
148 - MECHANICAL REMODEL -
FIRST FLOOR - OVERALL
APPROVED:
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PHASE
100% CONSTRUCTION
DOCUMENTS
FLS
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PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES
LOCATION
FORT MEADE, SOUTH DAKOTA
ISSUE DATE
01/31/2025
CHECKED BY
ADR
DRAWN BY
AF

PROJECT NUMBER
568-21-701
BUILDING NUMBER
BLDG 148
DRAWING NUMBER
148-MH-012



- ## PROJECT KEY PLAN

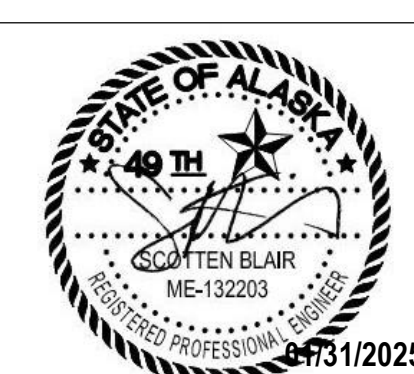


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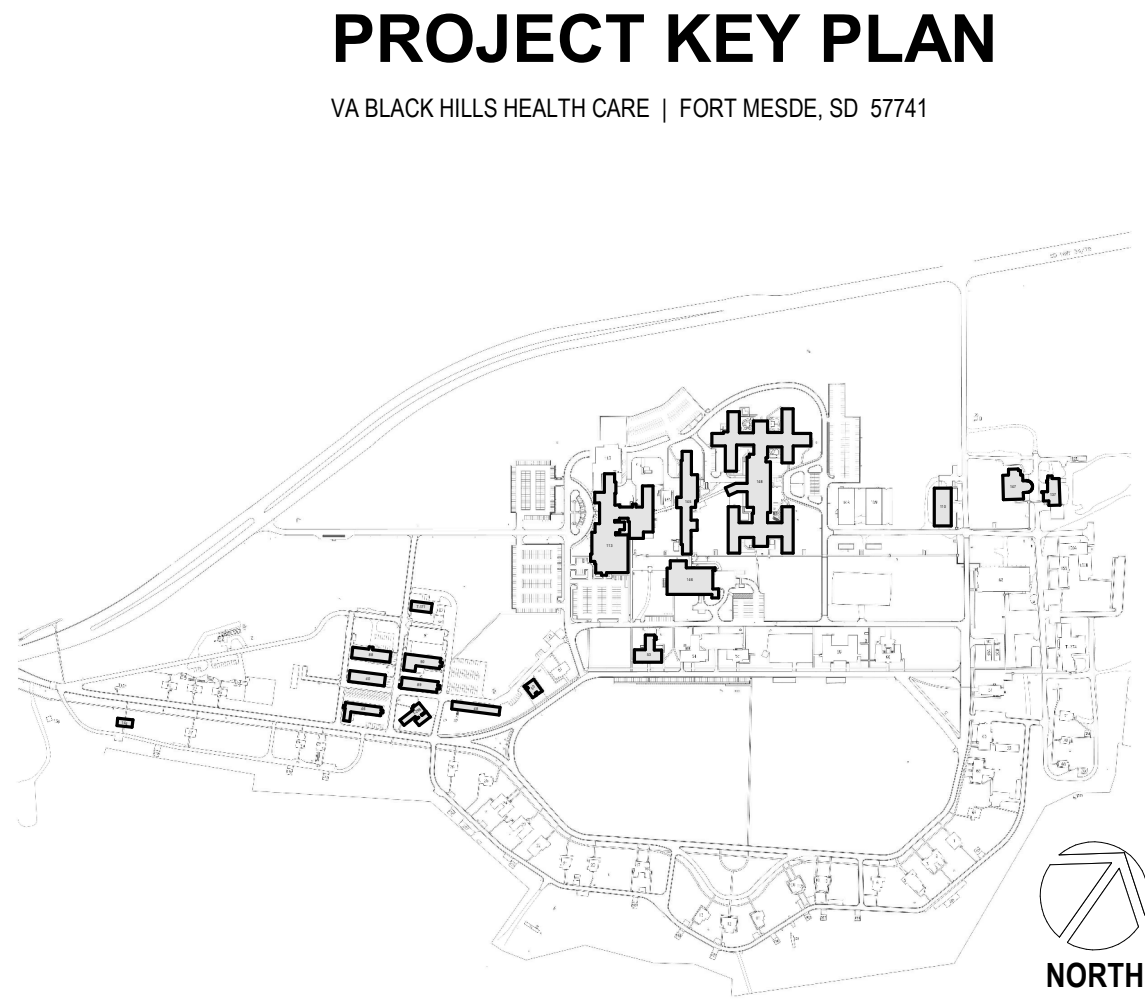
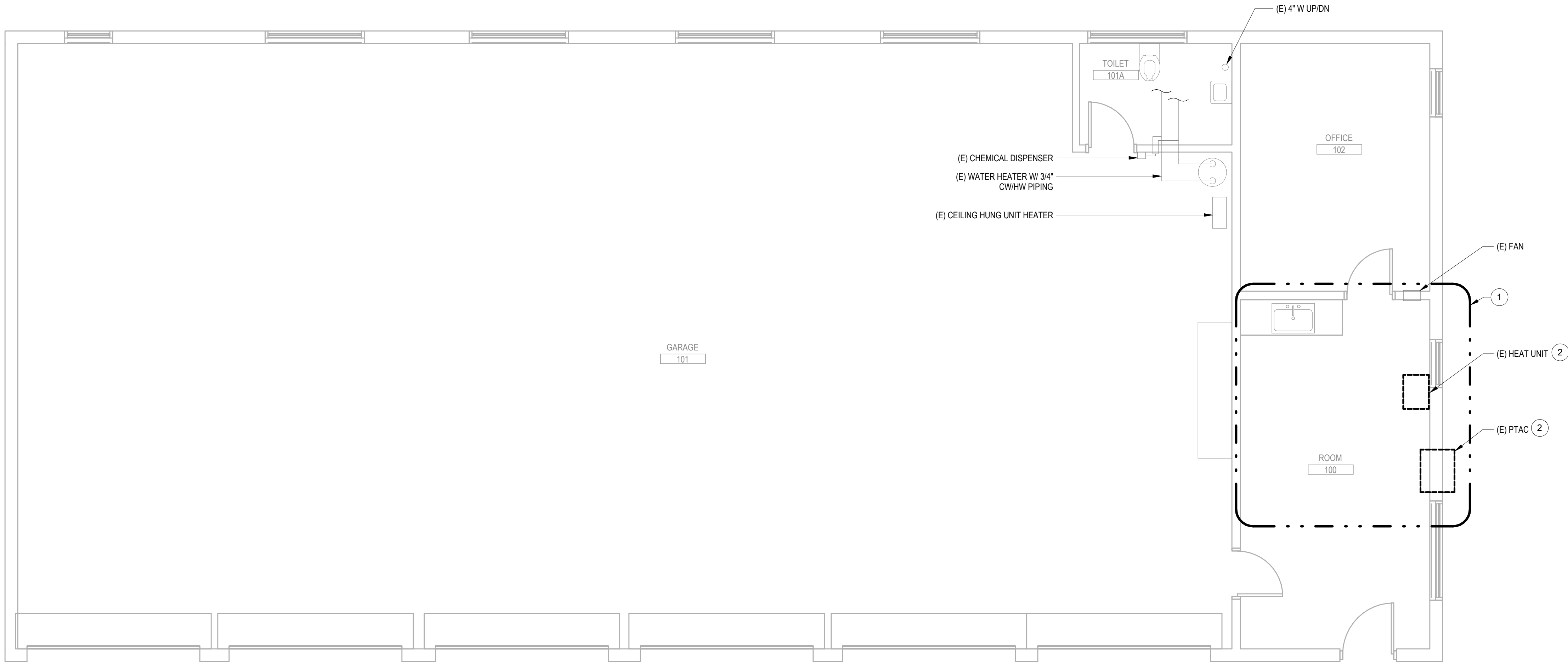
LOCATION	FORT MEADE, SOUTH DAKOTA
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DRAWN BY
AF

DRAWING NUMBER

148-MH-013

- PLAN NOTES**
- 1 APPROXIMATE OUTLINE OF NEW TR AREA. SEE REMODEL SHEETS FOR ALL DISCIPLINES FOR ADDITIONAL INFORMATION.
 - 2 DEMOLISH EXISTING MECHANICAL EQUIPMENT AND ANY ASSOCIATED CONTROLS AND WIRING BACK TO NEAREST CONTROL PANEL OR JUNCTION BOX.

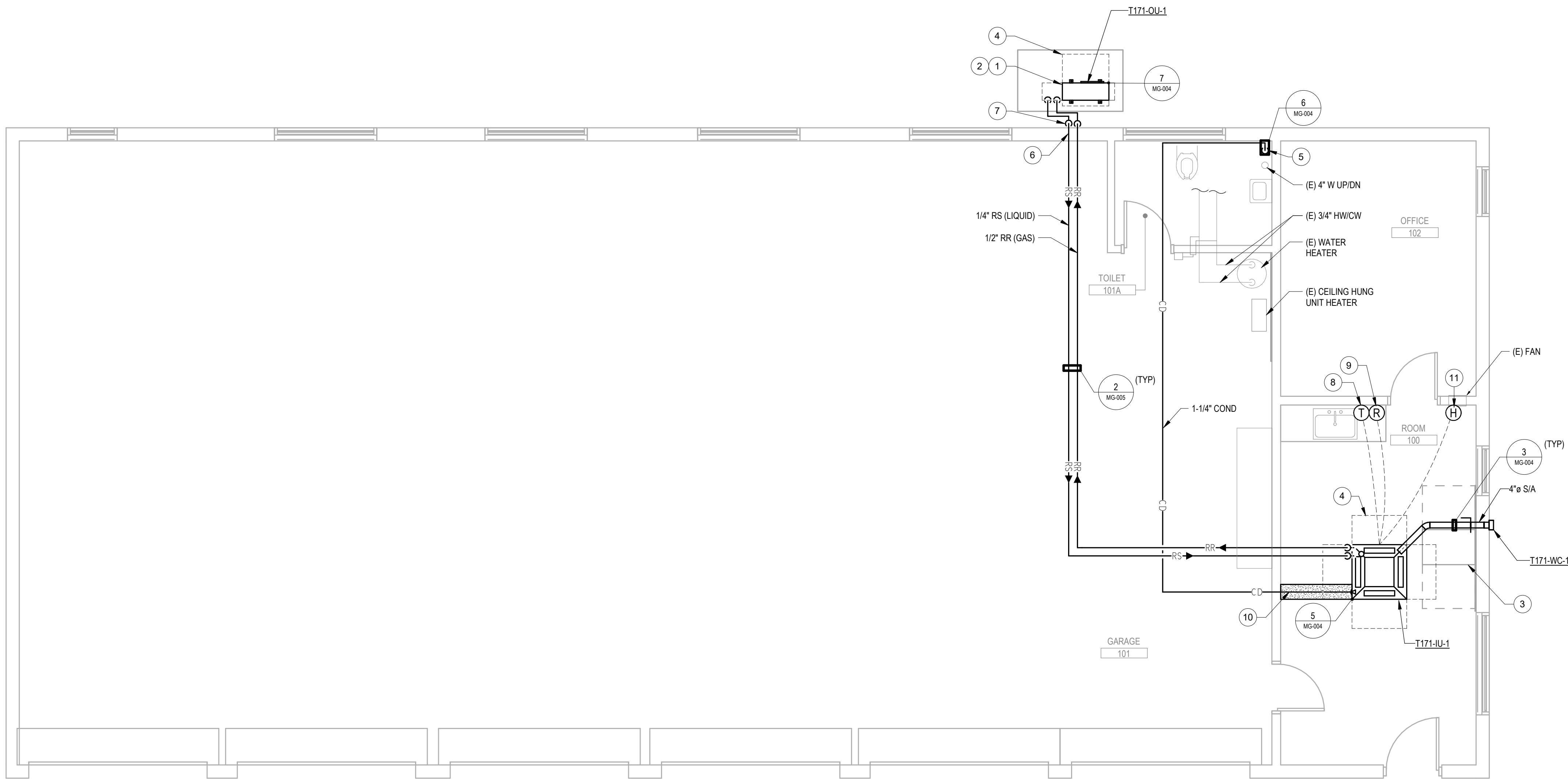


1 BUILDING T171 - FIRST FLOOR DEMOLITION PLAN - OVERALL
1/4" = 1'-0"

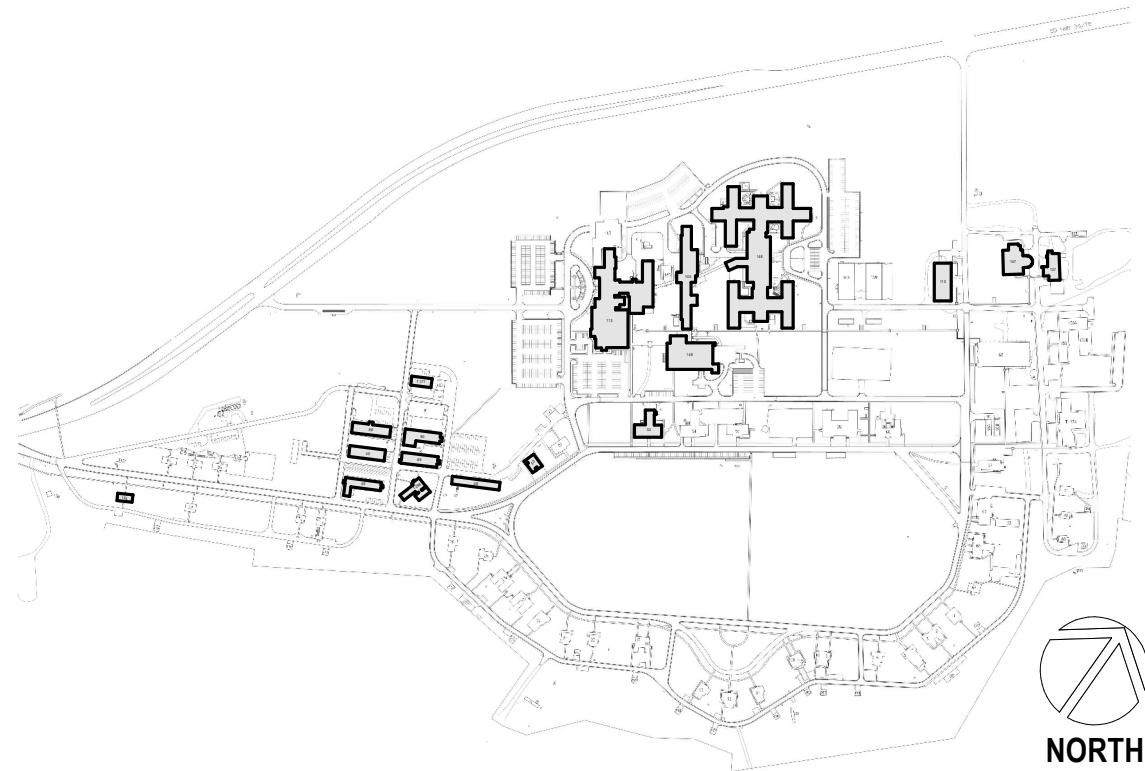


<div>Revisions:</div>	<div>Date:</div>	<div>CONSULTANT MECHANICAL ENGINEER GDM 4317 6TH AVE SE, SUITE 300 LACEY, WA 98503 541.436.4723 SCOTTEN BLAIR, P.E.</div>	<div>ARCHITECT/ENGINEER OF RECORD A/E GDM 1308 NE 134TH ST SUITE A VANCOUVER, WA 98685 541.436.4723 ADAM GODDIN, P.E.</div>	<div>STAMP </div>	<div>OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT U.S. Department of Veterans Affairs</div>	<div>DRAWING TITLE T171 - MECHANICAL DEMOLITION - OVERALL APPROVED: NOT FOR CONSTRUCTION FOR OFFICIAL USE ONLY (FOUO)</div>	<div>PHASE 100% CONSTRUCTION DOCUMENTS FLS FULLY SPRINKLERED</div>	<div>PROJECT TITLE EHRM INFRASTRUCTURE UPGRADES LOCATION FORT MEADE, SOUTH DAKOTA ISSUE DATE 01/31/2025</div>		<div>PROJECT NUMBER 568-21-701 BUILDING NUMBER BLDG T171 DRAWING NUMBER T171-MD-011</div>	
		<div>CHECKED BY ADR</div>		<div>DRAWN BY AF</div>							

- PLAN NOTES**
- 1 COORDINATE WITH CIVIL FOR EXTERIOR HOUSEKEEPING PAD DETAILS FOR OUTDOOR CONDENSING UNIT.
 - 2 REFER TO ARCHITECTURAL DOCUMENTS FOR CONDENSING UNIT PAD, SNOW PROTECTION AND STAND DETAILS.
 - 3 WALL MOUNTED CABINET, NO COOLING PROVIDED.
 - 4 EQUIPMENT SERVICE CLEARANCE (TYP).
 - 5 ROUTE 3/4" CONDENSATE TO NEW AIR GAP FITTING IN EXISTING SANITARY DRAIN PIPE. DEMOLISH AND PATCH WALL AS NECESSARY.
 - 6 SLEEVE AND SEAL EXTERIOR WALL PIPING PENETRATION WEATHER-TIGHT.
 - 7 REFRIGERANT PIPING ROUTED DOWN EXTERIOR WALL TO CONDENSING UNIT.
 - 8 PROVIDE NEW THERMOSTAT INSTALLED AT 4'-6" AFF.
 - 9 INSTALL REFRIGERANT DETECTOR 12" FROM FINISHED FLOOR.
 - 10 PROVIDE WELDED SEAMLESS STAINLESS STEEL DRIP PAN BELOW. ALL PIPING CONVEYING FLUIDS ABOVE TR AREA. DRIP PANS SHALL EXTEND 6" MIN FROM BOTH SIDES OF PIPE. PROVIDE 3/4" DRAIN FROM DRIP PAN AND ROUTE SIMILAR TO IU CONDENSATE DRAIN.
 - 11 PROVIDE NEW COMBINATION TEMPERATURE AND HUMIDITY SENSOR INSTALLED AT 4'-6" AFF. CONNECT TO DDC SYSTEM.



PROJECT KEY PLAN
VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741



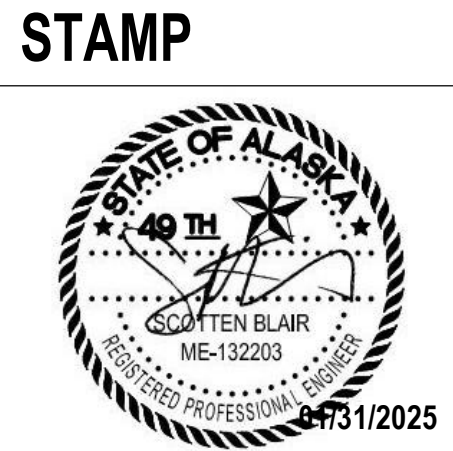
1 BUILDING T171 - FIRST FLOOR REMODEL PLAN - OVERALL
1/4" = 1'-0"



Revisions:	Date:

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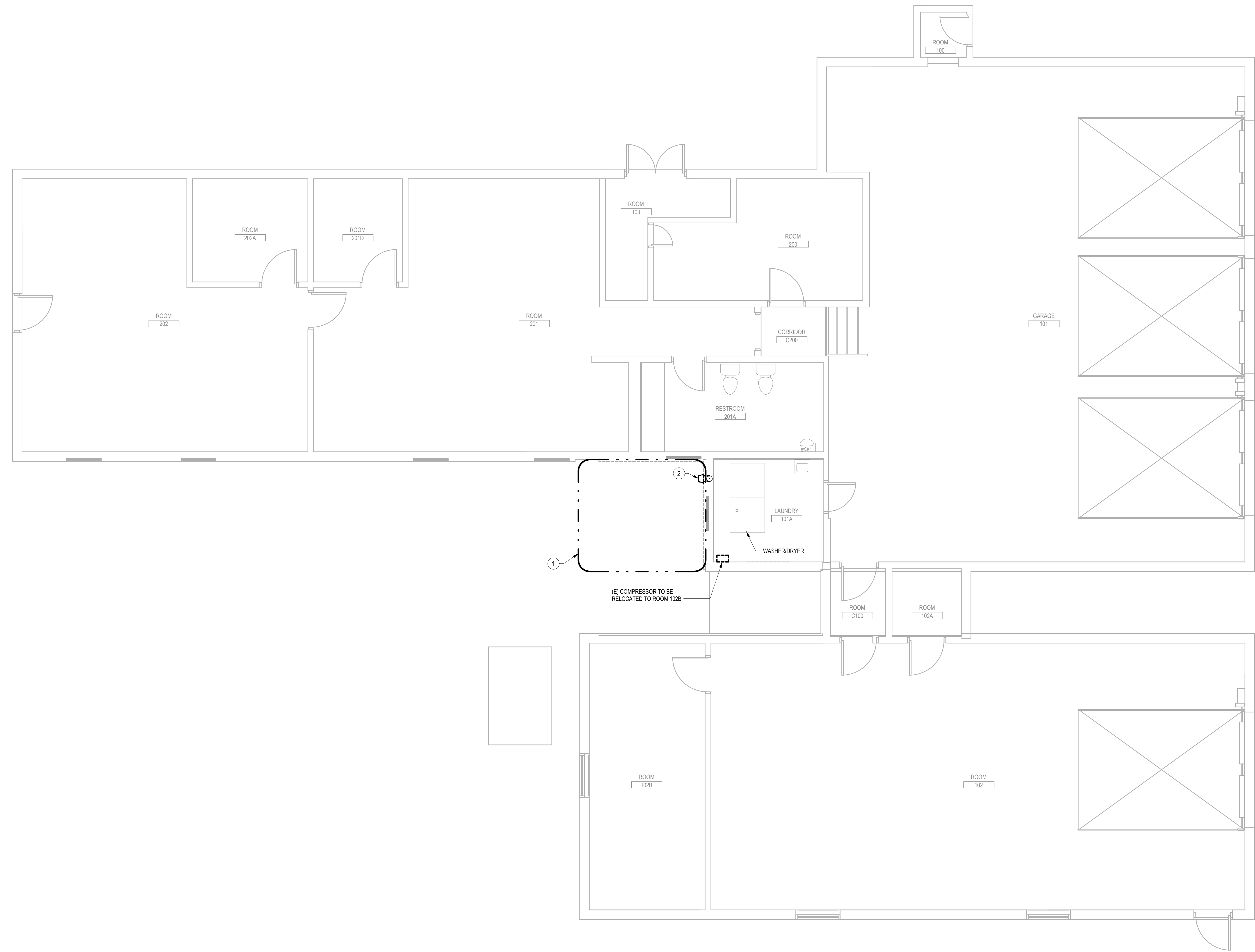
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DRAWING TITLE
T171 - MECHANICAL REMODEL -
OVERALL
APPROVED:
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PHASE
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DOCUMENTS
FLS
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PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES
LOCATION
FORT MEADE, SOUTH DAKOTA
ISSUE DATE
01/31/2025
CHECKED BY
ADR
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AF

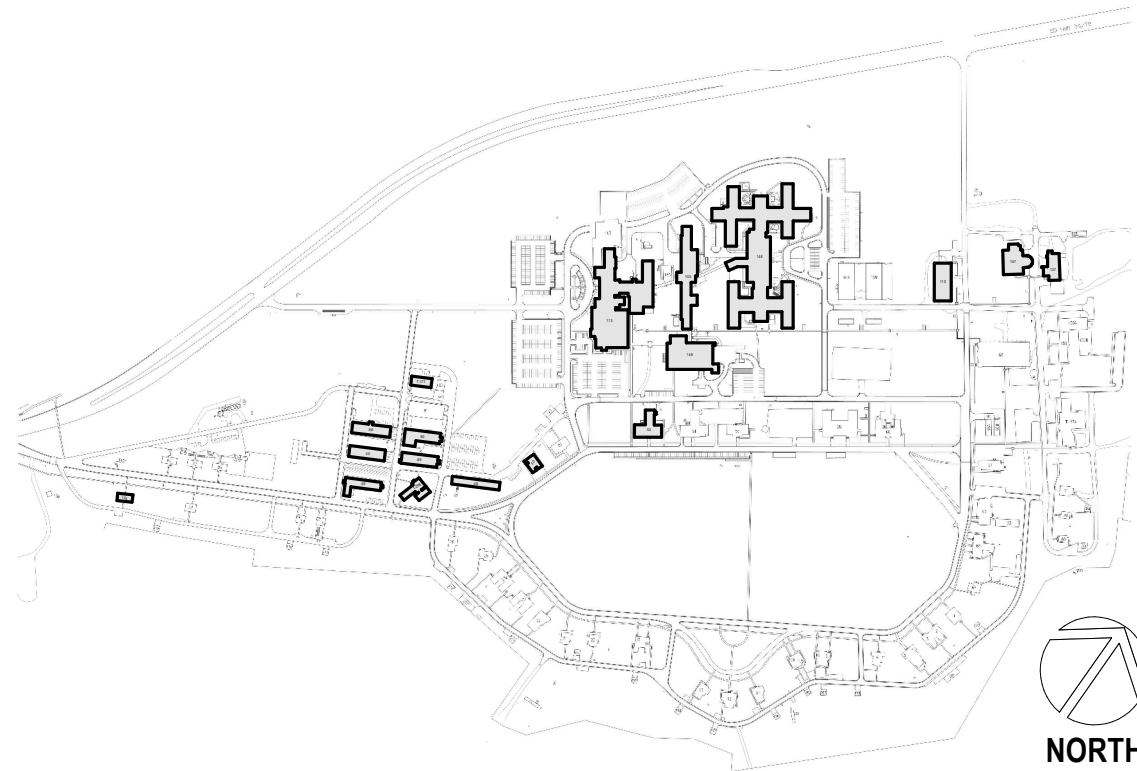
PROJECT NUMBER
568-21-701
BUILDING NUMBER
BLDG T171
DRAWING NUMBER
T171-MH-011



- PLAN NOTES**
- 1 APPROXIMATE OUTLINE OF NEW TR AREA. SEE REMODEL SHEETS FOR ALL DISCIPLINES FOR ADDITIONAL INFORMATION.
 - 2 DEMOLISH CLOTHES DRYER WALL CAP AND E/A DUCTWORK IN TO WALL. EA DUCTWORK IN WALL TO REMAIN FOR RECONNECTION.

PROJECT KEY PLAN

VA BLACK HILLS HEALTH CARE | FORT MEADE, SD 57741

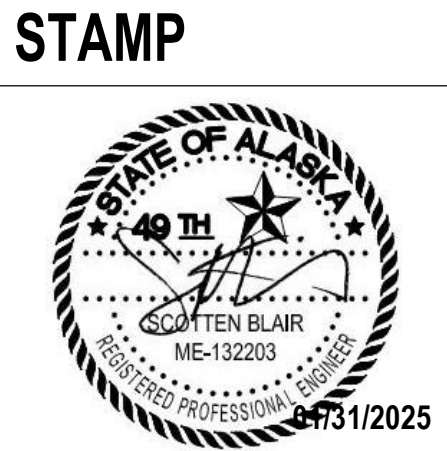


1 BUILDING T296 - FIRST FLOOR DEMOLITION PLAN - OVERALL
1/4" = 1'-0"

Revisions:	Date:

CONSULTANT
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DRAWING TITLE
T296 - MECHANICAL DEMOLITION -
OVERALL

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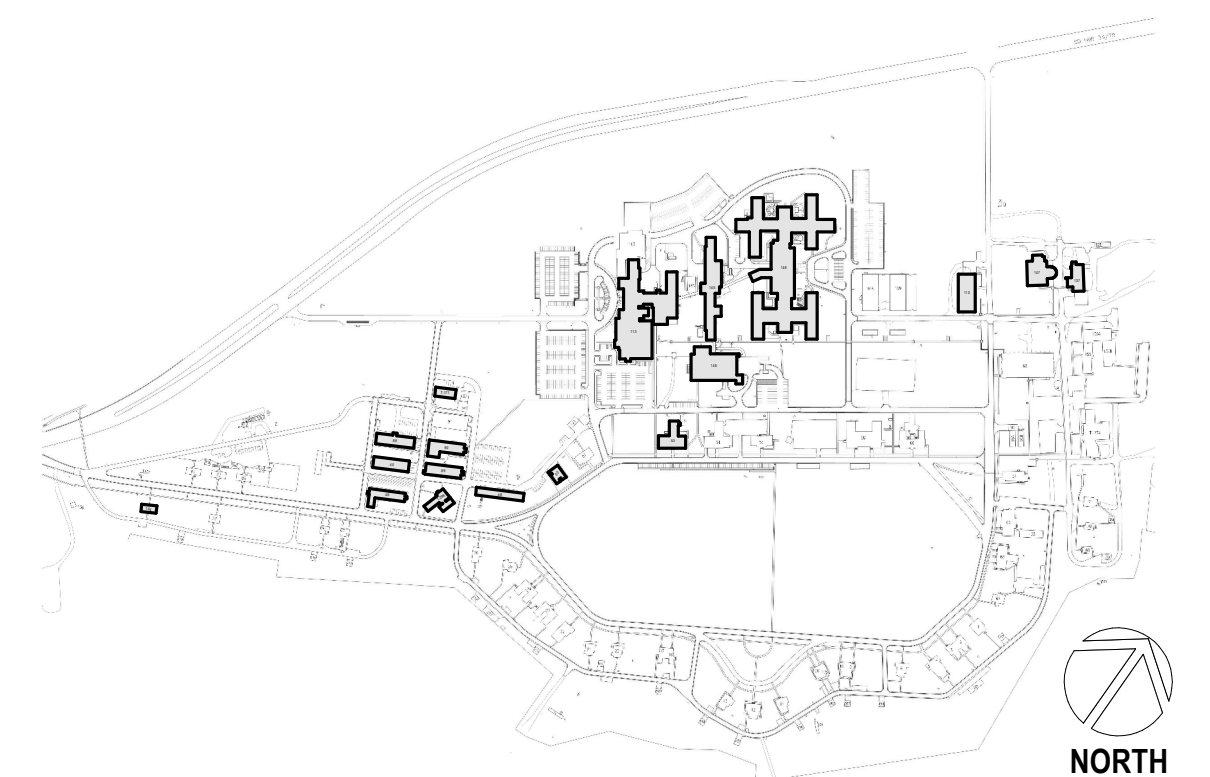
PHASE
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DOCUMENTS

FLS
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PROJECT TITLE
EHRM INFRASTRUCTURE
UPGRADES

LOCATION
FORT MEADE, SOUTH DAKOTA
ISSUE DATE
01/31/2025
CHECKED BY
ADR
DRAWN BY
AF

PROJECT NUMBER
568-21-701
BUILDING NUMBER
BLDG T296
DRAWING NUMBER
T296-MD-011



NORTH

PROJECT NUMBER
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BUILDING NUMBER
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