

GENERAL NOTES:

1. THE CONTRACTOR SHALL CONFIRM ACTUAL CONDITIONS, DIMENSIONS, AND ELEVATIONS PRIOR TO THE START OF WORK.
2. WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL AND STATE CODES AND REGULATIONS.
3. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS AND DIRECTIONS.
4. REFER TO THE ARCHITECTURAL DRAWINGS AND FIRESTOP PENETRATIONS THROUGH FIRE-RATED WALLS, PARTITIONS, AND CEILINGS.

PIPING NOTES:

1. RUN PIPING PARALLEL WITH OR AT RIGHT ANGLES TO WALLS, EXCEPT AS OTHERWISE INDICATED.
2. PIPING PLANS ARE SCHEMATIC. THEY DO NOT INDICATE EACH ELBOW, OFFSET, OR TRAP. PIPING AND DROP LOCATIONS ARE APPROXIMATE.
3. PROVIDE SWING JOINTS AT MAINS AND CONNECTIONS TO RISERS. PROVIDE SWING JOINTS, EXPANSION LOOPS, AND FITTINGS AS REQUIRED TO ACHIEVE A FLEXIBLE PIPING SYSTEM.
4. INSTALL AIR VENTS AT HIGH POINTS IN CLOSED LIQUID SYSTEMS AND PITCH PIPING UNIFORMLY TO DRAIN.
5. LOCATE PIPING, VALVES, AND FITTINGS TO ALLOW MAINTENANCE AND EQUIPMENT REMOVAL.

DUCTWORK NOTES:

1. PROVIDE FIRE DAMPERS AT RATED PENETRATIONS IN ACCORDANCE WITH NFPA 90A - *STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATING SYSTEMS*. CONFIRM FIRE RATINGS WITH ARCHITECTURAL DRAWINGS.
2. DUCTWORK SHALL BE TIGHT, WITH ALL SEAMS FULLY SEALED WITH MASTIC, AND INSTALLED TO MINIMIZE PRESSURE DROP. THE CONTRACTOR SHALL ENSURE DUCTS ARE AS STRAIGHT AS PRACTICAL, TRANSITIONS ARE STREAMLINED, AND SYSTEMS OPERATE WITHOUT OBJECTIONABLE NOISE.
3. THE PLANS DO NOT SHOW EVERY FITTING OR OFFSET REQUIRED TO ACCOMMODATE THE BUILDING STRUCTURE, CROSSING DUCTS, THE WORK OF OTHER TRADES, ETC.
4. PROVIDE BALANCING DAMPERS AT EACH AIR DEVICE UNLESS DEVICE IS SPECIFIED TO HAVE INTEGRAL DAMPER.
5. UNIT VENTILATOR SHALL BE ISOLATED FROM DUCTWORK WITH FLEXIBLE DUCT CONNECTIONS AND HUNG/MOUNTED ON VIBRATION ISOLATORS.
6. WHERE ROUND DUCT IS INDICATED, THE CONTRACTOR MAY SUBSTITUTE THE EQUIVALENT RECTANGULAR DUCT; 6"Ø = 6 x 6, 8"Ø = 8 x 8, 10"Ø = 10 x 10
7. FLEXIBLE DUCTWORK MAY ONLY BE USED WHERE INDICATED AND SHALL NOT EXCEED 48" IN LENGTH. DO NOT INSTALL FLEXIBLE DUCT ABOVE HARD CEILINGS.

INSULATION NOTES:

1. DUCT INSULATION SHALL BE FLEXIBLE BLANKET (DUCTWRAP) OR RIGID BOARD (DUCTBOARD). SEAL JOINTS AND BREAKS WITH FSK TAPE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS. DO NOT ALLOW SAGGING OF INSULATION.
2. INSULATE DUCTS WITH THE FOLLOWING THICKNESSES:ALL 1-1/2"

GAS PIPING NOTES:

1. THE GAS PIPING SYSTEMS INSTALLATION SHALL BE IN ACCORDANCE WITH THE LIQUEFIED PETROLEUM GAS CODE (NFPA 58) AND GAS SUPPLIER REQUIREMENTS.
2. SIZE GAS PIPING PER NFPA 58, AND GAS SUPPLIER REQUIREMENTS.

CONDENSATE DRAIN NOTES:

1. GATHER CONDENSATE FROM ROOF TOP UNIT AND RUN TO FLOOR DRAINS AND/OR INDIRECT WASTE(S) PER MAINE PLUMBING CODE.

TESTING, ADJUSTING, & BALANCING NOTES:

1. IT IS NOT THE INTENTION OF THESE NOTES TO REQUIRE A THIRD PARTY FIRM TO TEST, ADJUST, AND BALANCE (TAB) THE SYSTEMS. HOWEVER, TAB SHALL BE PERFORMED BY QUALIFIED AND EXPERIENCED INDIVIDUALS.
2. PLACE SYSTEMS IN OPERATION WITH CONTROLS AND COMPLETE OPERATING PER THE SEQUENCED DESCRIEBED ON THE PLANS.
3. NOTIFY THE ENGINEER, IN WRITING, OF ANY DEFECTS OR DEFICIENCIES PREVENTING THE PROPER TESTING, ADJUSTING, & BALACING OF THE SYSTEMS TO COMPLY WITH THE PLANS.
4. LEAVE SYSTEMS IN PROPER WORKING ORDER BY CLOSING ACCESS DOORS, ELECTRICAL BOXES, AND LEAVING SYSTEMS AT NORMAL OPERATING SETTINGS.
5. PREPARE A FINAL REPORT INDICATING THE FINAL OPERATING CONDITIONS OF ALL EQUIPMENT.

S.C.R.F.H.C.
MAIN STREET, MAINE
MECHANICAL DWGS.

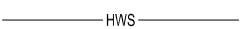
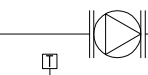
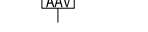
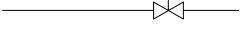
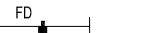
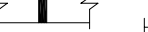
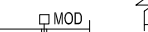
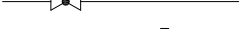
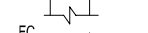
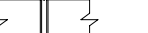
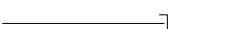
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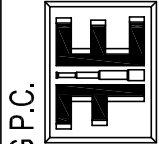
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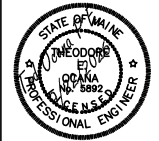
MECHANICAL LEGEND

	HWS	HOT WATER SUPPLY PIPING (TYPE M COPPER - NO PEX)		CIRCULATING PUMP
	HWR	HOT WATER RETURN PIPING (TYPE M COPPER - NO PEX)		TEMPERATURE SENSOR
	GWS	GLYCOL WATER SUPPLY PIPING		THERMOSTAT
	GWR	GLYCOL WATER RETURN PIPING		TEMPERATURE INDICATOR
	C	CONDENSATE DRAIN PIPING (DMV PVC)		PRESSURE GAUGE
		BALL VALVE (FULL PORT)		AUTOMATIC AIR VENT
		CHECK VALVE (LIFT TYPE)		MANUAL AIR VENT
		CHECK VALVE (SWING TYPE)		FIRE DAMPER
		BALANCING VALVE (TACO ACCU-FLOW)		DUCT BALANCING DAMPER
		PRESSURE REDUCING VALVE		MOTOR OPERATED DAMPER
		GLOBE VALVE		BACKDRAFT DAMPER
		ZONE CONTROL VALVE		SQUARE DUCT ELBOW w/ TURNING VANES
		DIRECTION OF FLOW		DUCT SMOKE DETECTOR
		PIPE CAP		DUCT FLEXIBLE CONNECTION
		UNION CONNECTION		AIR DEVICE TAG w/CFM "S" = SUPPLY "E" = EXHAUST



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GENERAL NOTES & INDEX
ST. CROIX HEALTH CENTER
MAIN STREET
CALAIS, MAINE

DATE: 9/22/2026
SCALE: NOTED
DRAWN: TIO
JOB NO: 26001M
M1

FOR CONSTRUCTION
REV 0/08

EXPANSION TANK PERFORMANCE SCHEDULE							
TAG	MANUFACT- URER	MODEL	SERVICE	DIMENSIONS			COMMENTS
				VOLUME	DIAMETER	HEIGHT	
ET-1	AMTROL	THERM-X-TROL, ST-12C	WATER COIL	3.2 gal	1'-0"	1'-2"	-
ET-2	AMTROL	THERM-X-TROL, ST-12C	WATER COIL	3.2 gal	1'-0"	1'-2"	-
ET-3	AMTROL	THERM-X-TROL, ST-12C	DOM. WATER	3.2 gal	1'-0"	1'-2"	-
ET-4	AMTROL	THERM-X-TROL, ST-12C	DOM. WATER	3.2 gal	1'-0"	1'-2"	-

WATER HEATER PERFORMANCE SCHEDULE											
TAG	MANUFACT- URER	MODEL	1st HOUR (GAL)	RECOVERY RATE	DIMENSIONS			ELECTRIC			COMMENTS
					VOLUME	DIAMETER	HEIGHT	V/PHZ	MIN WATT	MAX WATT	
WH-1	RHEEM	ELD40-(F)TB	55 gal	55 gal/hr	40 gal	1'-7"	3'-11.5"	208/1/60	3,000	12,000	-
WH-2	RHEEM	ELD40-(F)TB	55 gal	55 gal/hr	40 gal	1'-7"	3'-11.5"	208/1/60	3,000	12,000	-

AIR COMPRESSOR PERFORMANCE SCHEDULE									
TAG	MANUFACTURER	MODEL	DISTRIBUTION PIPING SIZE	DIMENSIONS			ELECTRIC		COMMENTS
				HEIGHT	WIDTH	DEPTH	V/PHZ	MIN. CKT. (AMPS)	
AC-1	AIR TECHNIQUES	AIR STAR - AS40	1/2", TYPE "L OR "K" COPPER	30.50"	32.50"	20.00"	220/1/60	12	-

TAG	DESC.	ROOM	USAGE	
			BTU/HR	GAL/HR
B-1	SIMPLICITY, 199-C BOILER	19	198,555	2.17
B-2	SIMPLICITY, 199-C BOILER	19	198,555	2.17
	DRYER	211	35,685	0.39
	DRYER	211	35,685	0.39
	RANGE & STOVE	209	75,030	0.82
	RANGE & STOVE	213	75,030	0.82
	RANGE & STOVE	215	75,030	0.82
	GENERATOR	-	1,399,950	15.3
	TOTAL		2,093,520	23

VRV AIR-TO-AIR HEAT PUMP PERFORMANCE SCHEDULE									BASIS OF DESIGN: DAIKIN	
TAG	NOMINAL TONS	REFRIG. TYPE	TOT. CLG. (MBH)	SEN. CLG. (MBH)	*HTG. CAP. (MBH)	SEER	ELECTRICAL (V/PH/Hz)	MIN. CKT. (AMPS)	MODEL/OPTIONS	
HPC-01	3	R-410A	34,400	-	36,600	21.7	208/1/60	32.5	4MXL36TVJU	
HPC-02	3	R-410A	34,400	-	36,600	21.7	208/1/60	32.5	4MXL36TVJU	
HPC-03	3	R-410A	34,400	-	36,600	21.7	208/1/60	32.5	4MXL36TVJU	
HPC-04	3	R-410A	34,400	-	36,600	21.7	208/1/60	32.5	4MXL36TVJU	
HPC-05	3	R-410A	34,400	-	36,600	21.7	208/1/60	32.5	4MXL36TVJU	
HPC-06	3	R-410A	34,400	-	36,600	21.7	208/1/60	32.5	4MXL36TVJU	
HPC-07	3	R-410A	34,400	-	36,600	21.7	208/1/60	32.5	4MXL36TVJU	
HPC-08	3	R-410A	34,400	-	36,600	21.7	208/1/60	32.5	4MXL36TVJU	

PERFORMANCE BASED ON AMBIENT TEMPERATURE OF 0F (HEATING) AND 95F (COOLING) WITH INSIDE UNITES INDICATED ON PLANS AND SCHEDULED BELOW

VRV HEAT PUMP TERMINAL UNIT PERFORMANCE SCHEDULE								BASIS OF DESIGN: DAIKIN		
TAG	LOCATION	TYPE	COOLING (MBH)	*HTG. CAP. (MBH)	**AIRFLOW (CFM)	**SOUND (dBA)	ELECTRICAL		MODEL/OPTIONS	
							(V/PH/HZ)	(FLA)		
HP-01	RM 128	FLOOR	9,000	10,100	311/155	38/23	208/1/60	0.20	FTX09WMVJU9	
HP-02	RM 129	WALL	15,000	18,400	653/470	45/37	208/1/60	0.23	FTX15WMVJU9	
HP-03	RM 131	FLOOR	9,000	10,100	311/155	38/23	208/1/60	0.20	FTX09WMVJU9	
HP-04	RM 135	FLOOR	9,000	10,100	311/155	38/23	208/1/60	0.20	FTX09WMVJU9	
HP-05	RM 136	FLOOR	9,000	10,100	311/155	38/23	208/1/60	0.20	FTX09WMVJU9	
HP-06	RM 137	FLOOR	9,000	10,100	311/155	38/23	208/1/60	0.20	FTX09WMVJU9	
HP-07	RM 214	FLOOR	9,000	10,100	311/155	38/23	208/1/60	0.20	FTX09WMVJU9	
HP-08	RM 213	FLOOR	9,000	10,100	311/155	38/23	208/1/60	0.20	FTX09WMVJU9	
HP-09	RM 209	FLOOR	9,000	10,100	311/155	38/23	208/1/60	0.20	FTX09WMVJU9	
HP-10	RM 210	FLOOR	9,000	10,100	311/155	38/23	208/1/60	0.20	FTX09WMVJU9	
HP-11	RM 216	FLOOR	9,000	10,100	311/155	38/23	208/1/60	0.20	FTX09WMVJU9	
HP-12	RM 215	FLOOR	9,000	10,100	311/155	38/23	208/1/60	0.20	FTX09WMVJU9	
HP-13	RM 211	FLOOR	9,000	10,100	311/155	38/23	208/1/60	0.20	FTX09WMVJU9	
HP-14	RM 207	FLOOR	9,000	10,100	311/155	38/23	208/1/60	0.20	FTX09WMVJU9	
HP-15	RM 206	FLOOR	9,000	10,100	311/155	38/23	208/1/60	0.20	FTX09WMVJU9	
HP-16	RM 205	FLOOR	9,000	10,100	311/155	38/23	208/1/60	0.20	FTX09WMVJU9	
HP-17	RM 217	FLOOR	9,000	10,100	311/155	38/23	208/1/60	0.20	FTX09WMVJU9	
HP-18	RM 218	FLOOR	9,000	10,100	311/155	38/23	208/1/60	0.20	FTX09WMVJU9	
HP-19	RM 219	FLOOR	9,000	10,100	311/155	38/23	208/1/60	0.20	FTX09WMVJU9	
HP-20	RM 204	FLOOR	9,000	10,100	311/155	38/23	208/1/60	0.20	FTX09WMVJU9	
HP-21	RM 202	WALL	15,000	18,400	653/470	45/37	208/1/60	0.23	FTX15WMVJU9	
HP-22	RM 222	WALL	15,000	18,400	653/470	45/37	208/1/60	0.23	FTX15WMVJU9	

*HEATING CAPACITIES INDICATED ARE AT COMPRESSOR DESIGN CONDITIONS.
** AIRFLOWS & SOUND LEVELS AT HIGH/LOW SPEEDS



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MECH. SCHEDULES 1 OF 2
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MAIN STREET
CALAIS, MAINE

DATE: 9/22/2026
SCALE: NOTED
DRAWN: TIO
JOB NO: 26001M
M2

FOR CONSTRUCTION
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EXHAUST FAN PERFORMANCE SCHEDULE								BASIS OF DESIGN: PANASONIC
TAG	DUCT SIZE (INCHES)	AIRFLOW (CFM)	S.P. (IN. WG)	HP	SPEED (RPM)	ELECTRICAL		MODEL/OPTIONS
						(V/PH/HZ)	(FLA)	
E-01	6"	50	0.5	–	1296	120/1/60	0.36	WHISPERGREEN SELECT, FV-0511VKS3

BATHROOM VENTS TO RUN WHILE LIGHTS ARE ON IN THE BATHROOM AND OCCUPANCY SENSOR TRIGGERED.

SPLIT SYSTEM PERFORMANCE SCHEDULE																												
TAG	MANUFACTURER	HEAT PUMP CONDENSER MODEL	COOLING CAP.	HEATING CAP.	ELEC HEATER RATING	ELECTRICAL												AIR HANDLER MODEL	HIGH STATIC INDOOR FAN				FILTER	ELECTRICAL				COMMENTS
						COMPRESSOR 1			CONDENSER 1			COMPRESSOR 2			CONDENSER 2				SUPPLY CFM	FAN TYPE	FAN RPM	O.A. CFM		(V/PH/HZ)	MCA	MOP	FAN FLA	
						(V/PH/HZ)	RLA	LRA	(V/PH/HZ)	FLA	LRA	(V/PH/HZ)	RLA	LRA	(V/PH/HZ)	FLA	LRA											
SS-1	TRANE	TWA120K3DAA**BS0100010	129,000	105,000	0 kW	208/3/60	14.6	150	208/3/60	4.3	19.4	208/3/60	150	255	208/3/60	4.3	19.4	TWE120K3BAA**BC40000	4,000	CENTRIFUGAL	VARIABLE	1,100 MAX	MERV 13	208/3/60	13	20	10	INCLUDE HOT WATER COIL, & HANG FROM CEILING
SS-2	TRANE	TWA120K3DAA**BS0100010	129,000	105,000	0 kW	208/3/60	14.6	150	208/3/60	4.3	19.4	208/3/60	150	255	208/3/60	4.3	19.4	TWE120K3BAA**BC40000	4,000	CENTRIFUGAL	VARIABLE	1,100 MAX	MERV 13	208/3/60	13	20	10	INCLUDE HOT WATER COIL, & HANG FROM CEILING

BOILER PERFORMANCE SCHEDULE								
TAG	MANUFACTURER	MODEL	HEATING CAPACITY	CONSUMPTION (Gal Per Hr)	FUEL TYPE	ELECTRICAL		COMMENTS
						(V/PH/HZ)	FLA	
B-1	WEIL-McLAIN	SIMPLICITY, 199-C	184,000 Btu/h	2.17	PROPANE	120/1/60	12	INTEGRATED TACO 0015e3 CIRCULATOR
B-2	WEIL-McLAIN	SIMPLICITY, 199-C	184,000 Btu/h	2.17	PROPANE	120/1/60	12	INTEGRATED TACO 0015e3 CIRCULATOR
B-3	WEIL-McLAIN	SIMPLICITY, 199-C	184,000 Btu/h	2.17	PROPANE	120/1/60	12	INTEGRATED TACO 0015e3 CIRCULATOR

B-1, & B-2, 50% GLYCOL MIXTURE FOR HEATING COILS
B-3 EXCLUSIVELY FOR BUILDING HOT WATER USE

MIXING BOX PERFORMANCE SCHEDULE						BASIS OF DESIGN: PLENUMS OF FLORIDA
TAG	MODEL	MIN OA (%)	MAX OA (%)	MOTOR TORQUE (IN-LB)	ELECTRICAL	MODEL/OPTIONS
					(V/PH/HZ)	
MB-01	TMB120ARS	0	25	35	120/1/60	BELIMO CONTROLS WITH CO2 SENSOR
MB-02	TMB120ARS	0	25	35	120/1/60	BELIMO CONTROLS WITH CO2 SENSOR

MODULATE OA TO SATISFY SEQUENCE OF CONTROL BASED ON CO2 SENSOR.

AIR DEVICE PERFORMANCE SCHEDULE										
TAG	MANUFACT- URER	MODEL	SIZE (INCHES)	STYLE	AIRFLOW (CFM)	S.P. LOSS (IN. WG)	THROW (FEET)	NOISE CRITERION	MOUNTING	MODEL/OPTIONS
S-01	METALAIRE	5700	6	SUPPLY	60-150	0.05	5-7-10	<15	CEILING	SQUARE CONE DIFFUSER, 24 IN. X 24 IN. FACE, WHITE FINISH
S-02	METALAIRE	5700	8	SUPPLY	250-260	0.05	6-9-13	-	CEILING	SQUARE CONE DIFFUSER, 24 IN. X 24 IN. FACE, WHITE FINISH
S-03	METALAIRE	5700	10	SUPPLY	350	0.05	7-11-16	<15	CEILING	SQUARE CONE DIFFUSER, 24 IN. X 24 IN. FACE, WHITE FINISH
S-04	METALAIRE	SGV	10x6	SUPPLY	60-150	0.042	11-17-24	13	FLOOR	SINGLE DEFLECTION, WHITE FINISH
S-05	METALAIRE	5700	12x8	SUPPLY	200-250	0.042	14-21-31	15	FLOOR	SINGLE DEFLECTION, WHITE FINISH
R-01	METALAIRE	CC5	6x6	RETURN	135	0.05	-	-	CEILING	-
R-02	METALAIRE	CC5	8x8	RETURN	200-260	0.05	-	11	CEILING	-
R-03	METALAIRE	CC5	12x12	RETURN	500	0.05	-	14	CEILING	-
R-04	METALAIRE	RG	8x6	RETURN	135-200	0.05	-	21	FLOOR	-
R-05	METALAIRE	RG	12x6	RETURN	300	0.05	-	23	FLOOR	-

SCHEDULED AIRFLOWS ARE FOR PERFORMANCE ONLY, BALANCE TO AIRFLOWS INDICATED ON THE PLANS.



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MECH. SCHEDULES 2 OF 2

ST. CROIX HEALTH CENTER
MAIN STREET
CALAIS, MAINE

DATE: 9/22/2026
SCALE: NOTED
DRAWN: TIO

JOB NO: 26001M
M3

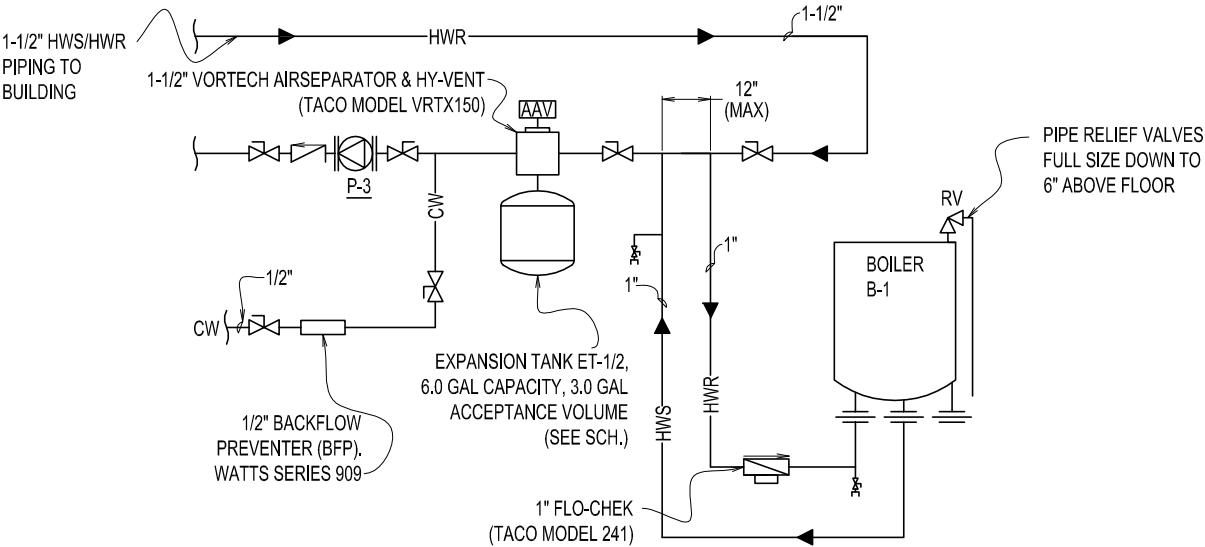
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SEQUENCE OF CONTROLS

1. BOILER, B-1 & B-2:

A. THE BOILER CONTROL TO PROVIDE SUPPLY WATER TEMPERATURE BASED ON OUTDOOR TEMPERATURE RESET SCHEDULE AND INDOOR TEMPERATURE FEEDBACK.

B. THE INTERNAL PUMP SHALL OPERATE WHENEVER THE OUTSIDE AIR TEMPERATURE IS BELOW SETPOINT (60°F, ADJUSTABLE). WHEN THE OUTSIDE TEMPERATURE IS ABOVE SETPOINT, THE BOILER SHALL BE DISABLED.



BOILER B-1 & B-2 PIPING SCHEMATIC
SCALE N.T.S

3. AIR HANDLER:

A. DURING THE OCCUPIED CYCLE, THE SUPPLY FAN SHALL RUN CONTINUOUSLY TO MAINTAIN OCCUPIED SETPOINTS (70F HEATING, 75F COOLING, ADJUSTABLE). DURING THE UNOCCUPIED CYCLE, THE SUPPLY FANS SHALL CYCLE TO MAINTAIN UNOCCUPIED SETPOINTS (60F HEATING, 75F COOLING, ADJUSTABLE).

B. VENTILATION: DURING "OCCUPIED CYCLE" THE OUTSIDE AIRE DAMPER SHALL MODULATE OPEN TO MAINTAIN CARBON DIOXIDE LEVEL SETPOINT (800 PPM, ADJUSTABLE) AS MEASURED BY A SENSOR IN THE RETURN AIR STREAM. DURING "UNOCCUPIED CYCLE" THE OUTSIDE AIR DAMPER SHALL BE FULLY CLOSED.

4. VRV HEAT PUMP SYSTEM:

A. VRV SYSTEM SHALL BE SUPPLIED BY A SINGLE MANUFACTURER AND SHALL BE COMPLETE TO PROVIDE A FULLY OPERATIONAL SYSTEM.

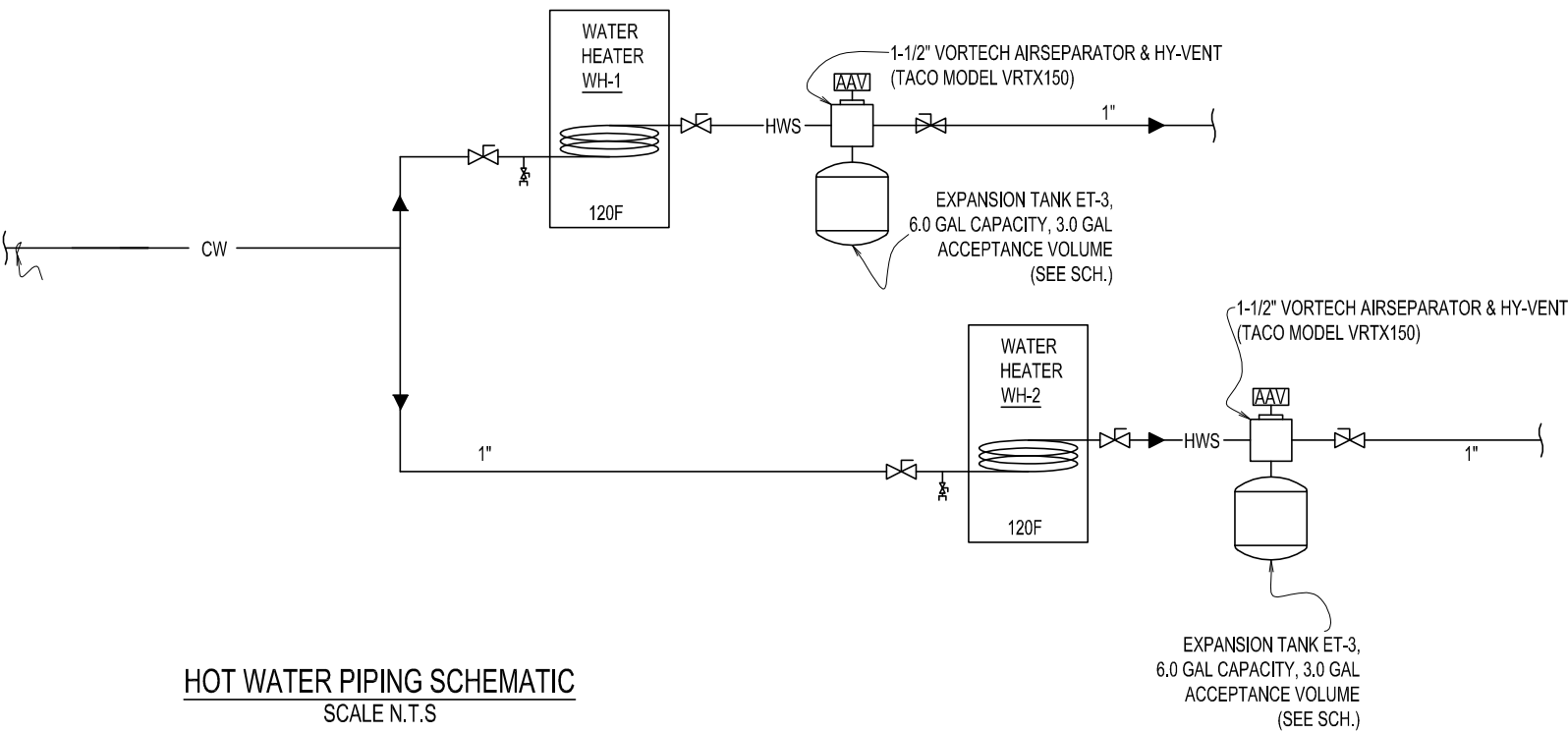
B. THE INSIDE UNITS SHALL HEAT OR COOL THE SPACES SUBJECT TO ITS OWN WALL-MOUNTED TEMPERATURE CONTROLLER. HEATING SETPOINTS SHALL TYPICALLY BE 72F. (ADJUSTABLE) AND COOLING SETPOINTS SHALL BE 76F (ADJUSTABLE).

C. SIZE & FIELD RUN REFRIGERANT PIPING IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS BASED ON ELEVATION AND TOTAL RUN LENGTH.

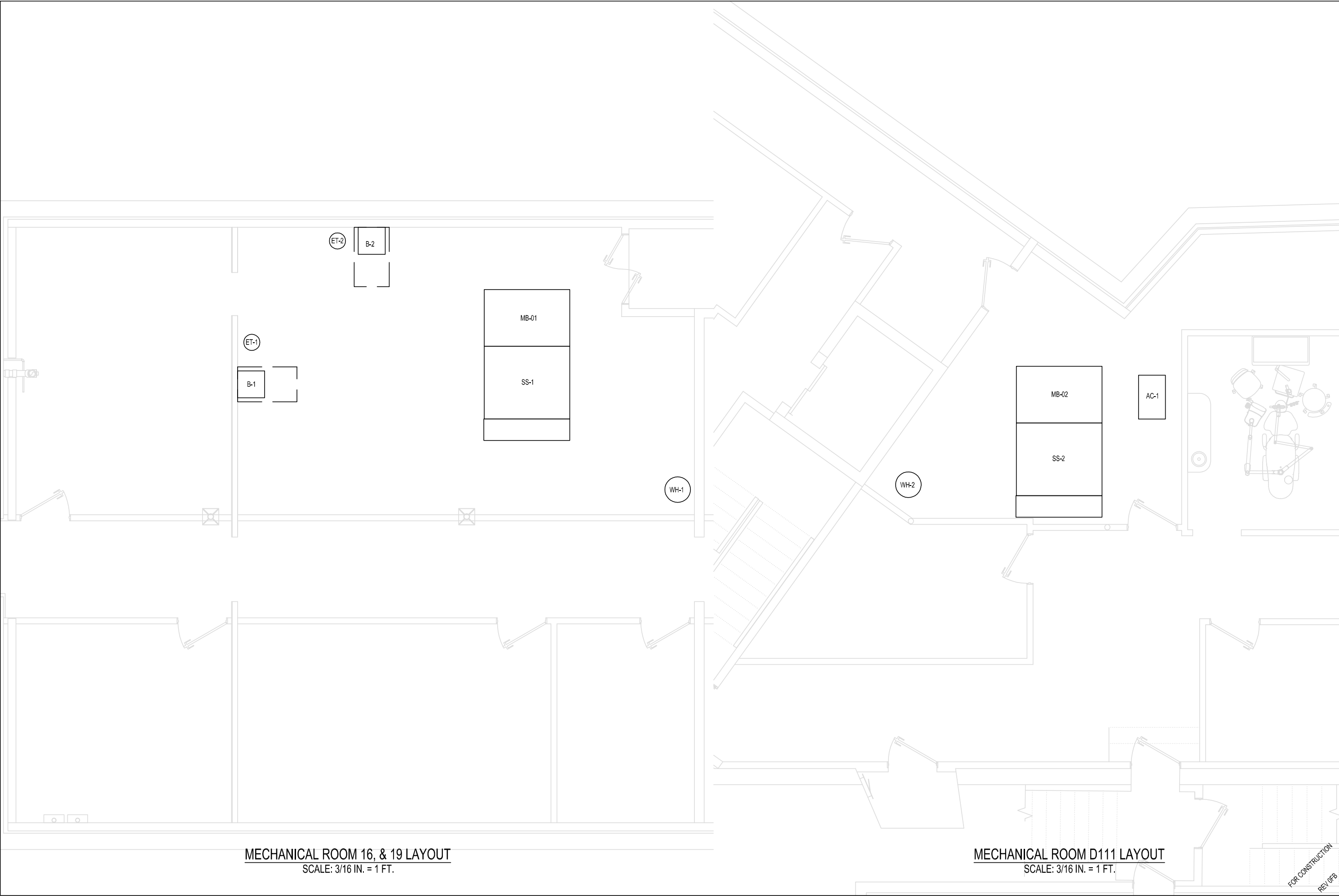
D. INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE MANUFACTUERES PUBLISHED INSTALLATION INSTRUCTIONS.

5. BATHROOM EXHAUST:

A. OCCUPANCY: VENT TO CFM ON PLAN WHILE OCCUPIED SIGNAL FROM OCCUPANCY SENSOR.



HOT WATER PIPING SCHEMATIC
SCALE N.T.S



MECHANICAL ROOM 16, & 19 LAYOUT
SCALE: 3/16 IN. = 1 FT.

MECHANICAL ROOM D111 LAYOUT
SCALE: 3/16 IN. = 1 FT.

FOR CONSTRUCTION
REV 0/FB

MECHANICAL ROOM 16, 19, & D111 LAYOUT

ST. CROIX HEALTH CENTER
MAIN STREET
CALAIS, MAINE

DATE: 9/22/2026
SCALE: NOTED
DRAWN: TIO

JOB NO: 26001M
M5

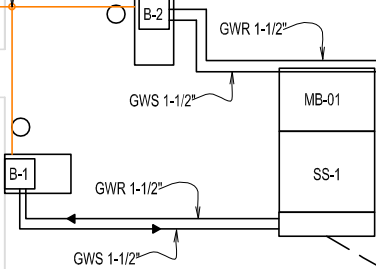
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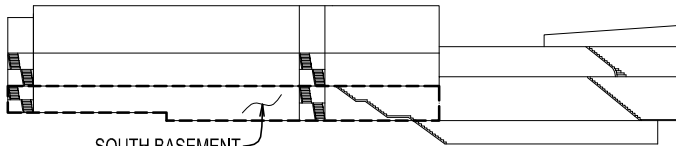
LP-GAS PIPING FROM MECH ROOM.
RUN NEAR CEILING & SIZE PER NFPA.

OUTSIDE AIR INTAKE -
15' MIN. FROM BOILER EXHAUSTS,
PER ASHRAE 62.1



ALL EXISTING PROPANE PIPING & PRV SHALL BE REMOVED IN THE HALLWAY AREA.

NOTES:
1) ALL PIPING SHOWN TO BE TYPE M COPPER.



ELEVATION KEY

HEALTH CENTER BASEMENT MECH. PIPING PLAN

SCALE: 3/32 IN. = 1 FT.

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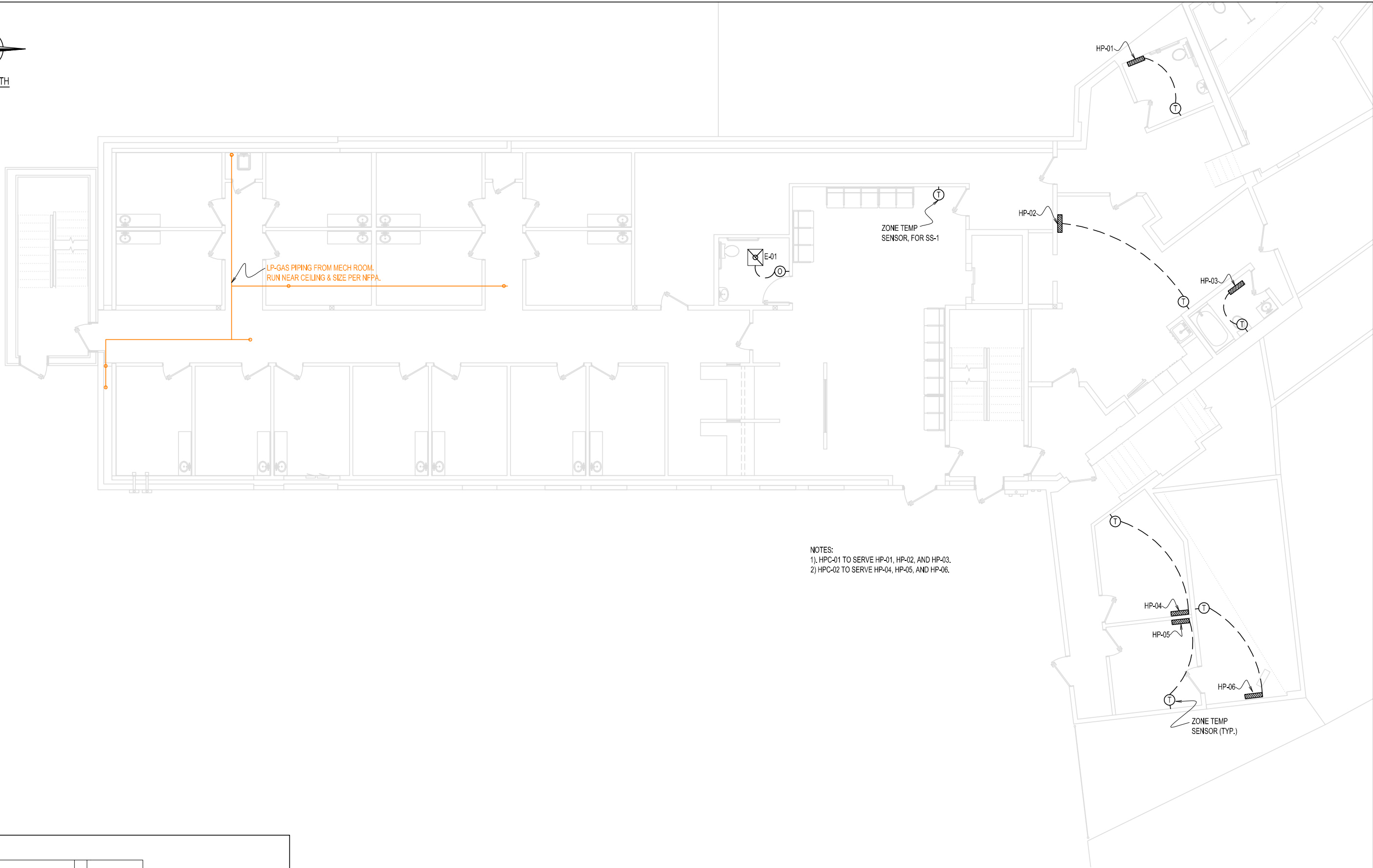
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HEALTH CENTER BASEMENT MECH. PIPING PLAN

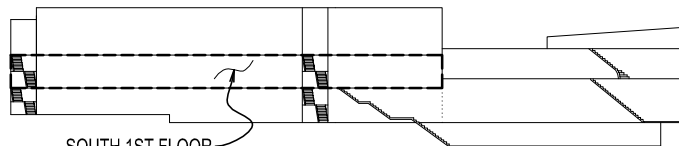
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MAIN STREET
CALAIS, MAINE

DATE: 9/22/2026
SCALE: NOTED
DRAWN: TIO
JOB NO: 26001M
M6

FOR CONSTRUCTION
REV 0/08



NOTES:
1) HPC-01 TO SERVE HP-01, HP-02, AND HP-03.
2) HPC-02 TO SERVE HP-04, HP-05, AND HP-06.



ELEVATION KEY

HEALTH CENTER 1ST FLOOR MECH. PIPING PLAN

SCALE: 3/32 IN. = 1 FT.

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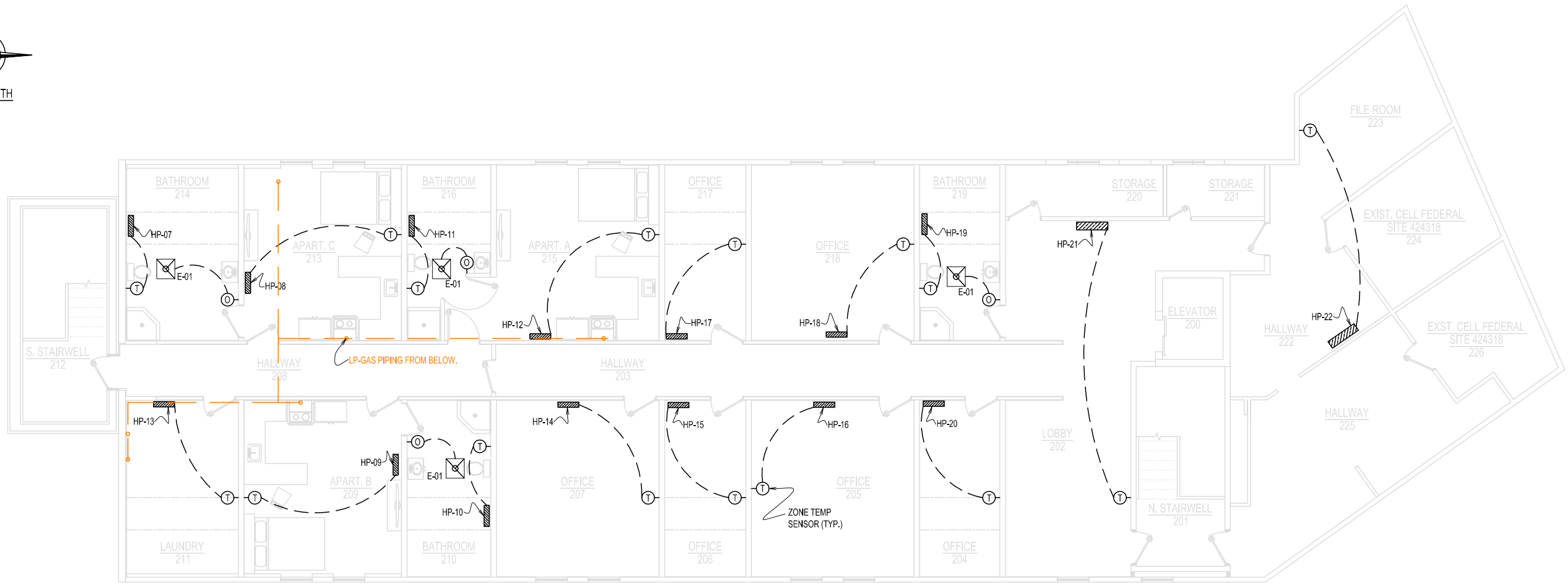
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HEALTH CENTER 1ST FLOOR MECH. PIPING PLAN

ST. CROIX HEALTH CENTER
MAIN STREET
CALAIS, MAINE

DATE: 9/22/2026
SCALE: NOTED
DRAWN: TIO
JOB NO: 26001M
M7

FOR CONSTRUCTION
REV 0/08



- NOTES:
- 1) HPC-03 TO SERVE HP-07, AND HP-08.
 - 2) HPC-04 TO SERVE HP-09, AND HP-10.
 - 3) HPC-05 TO SERVE HP-11, AND HP-12.
 - 4) HPC-06 TO SERVE HP-13, HP-14, HP-15, AND HP-16.
 - 5) HPC-07 TO SERVE HP-17, HP-18, HP-19, AND HP-20.
 - 6) HPC-08 TO SERVE HP-21, AND HP-22.



ELEVATION KEY

APARTMENTS 2ND FLOOR MECH. PIPING PLAN
SCALE: 3/32 IN. = 1 FT.

APARTMENTS 2ND FLOOR MECH. PIPING PLAN
ST. CROIX HEALTH CENTER
MAIN STREET
CALAIS, MAINE

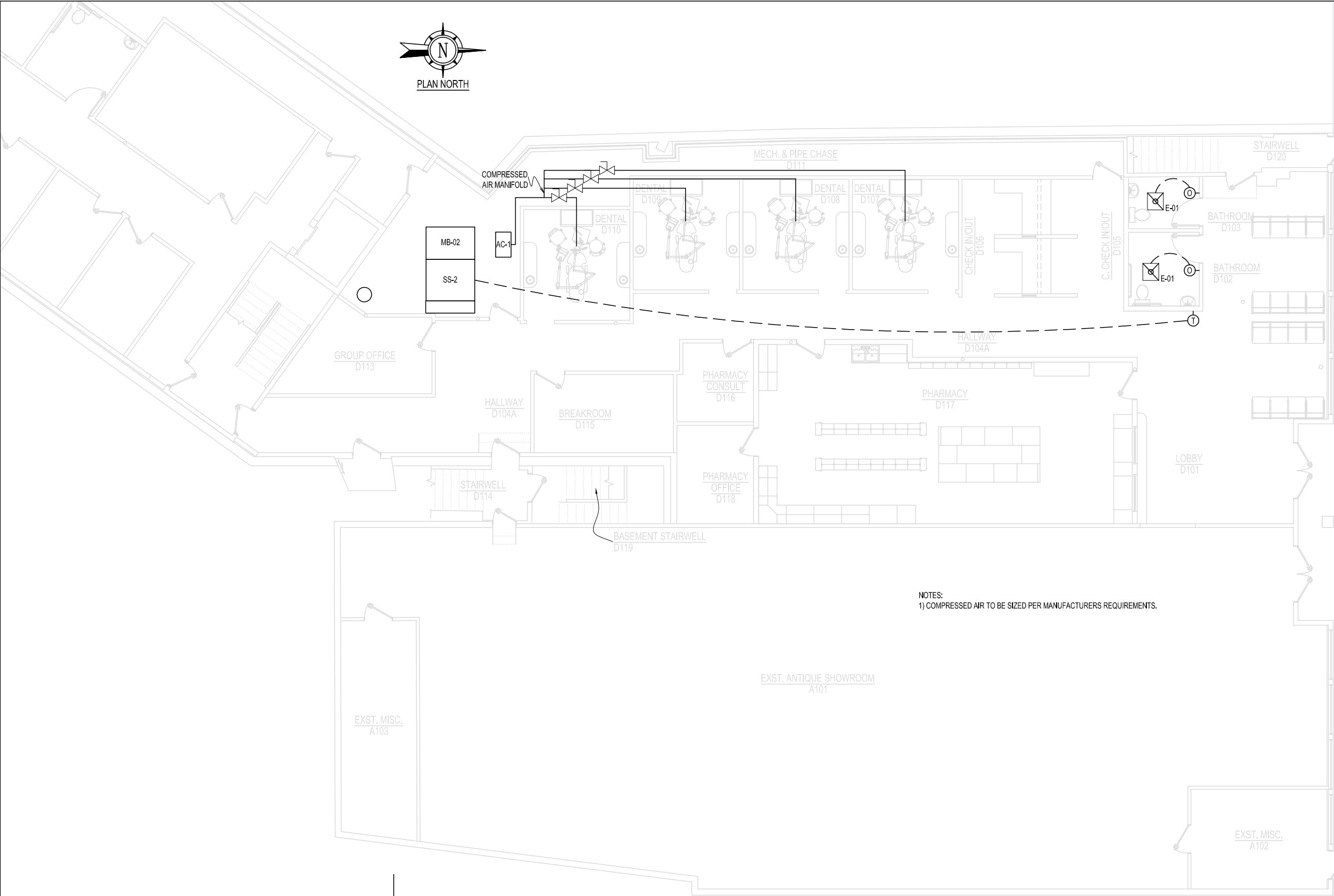
DATE: 9/22/2026
SCALE: NOTED
DRAWN: TIO
JOB NO: 26001M
M8

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FOR CONSTRUCTION
REV 0/08



ELEVATION KEY

NORTH 1ST FLOOR

NOTES:
1) COMPRESSED AIR TO BE SIZED PER MANUFACTURERS REQUIREMENTS.

DENTAL 1ST FLOOR MECH. PIPING PLAN
SCALE: 3/32 IN. = 1 FT.

FOR CONSTRUCTION
REV 0/08

DATE: 9/22/2026
SCALE: NOTED
DRAWN: TIO

JOB NO: 26001M
M9

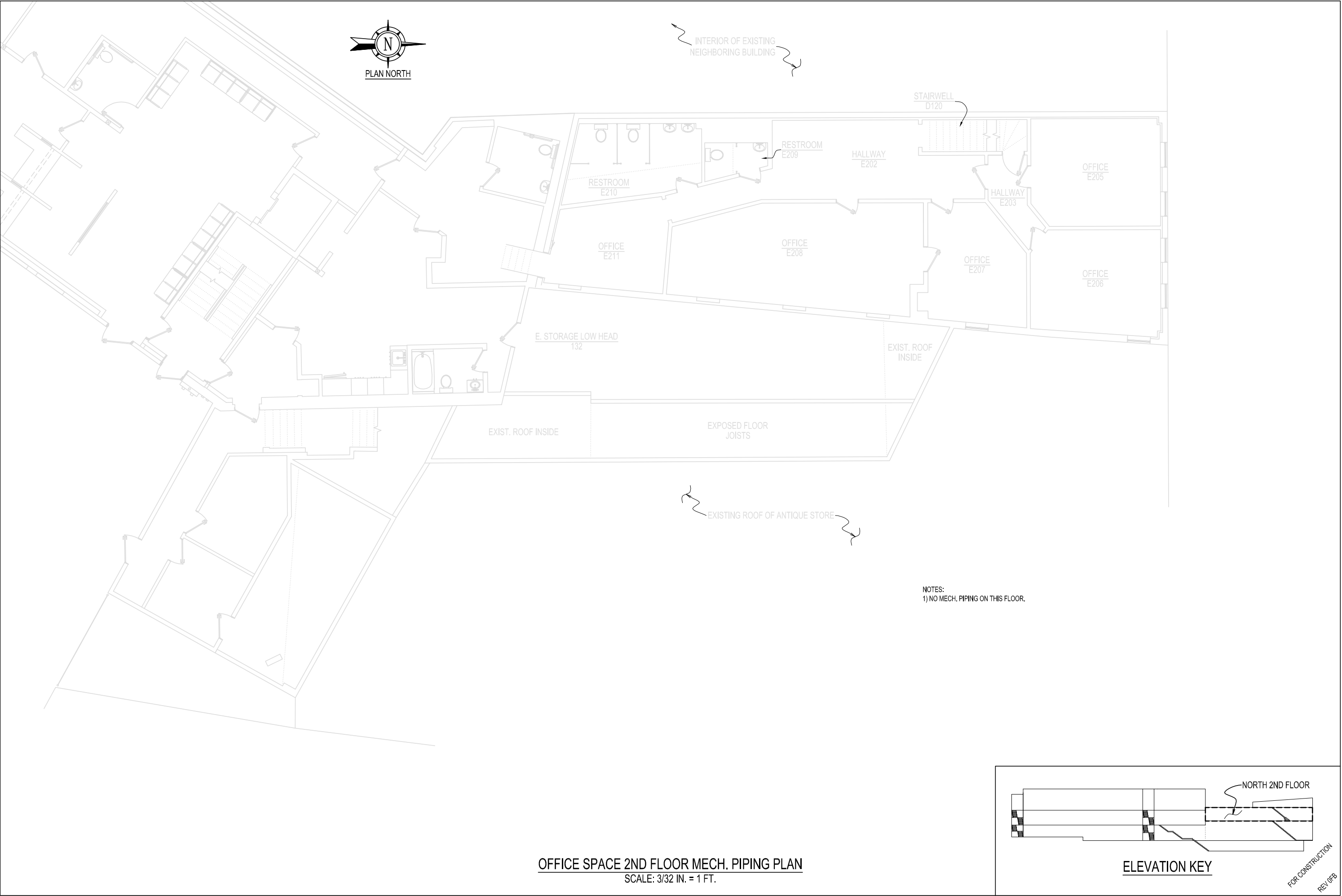
DENTAL 1ST FLOOR MECH. PIPING PLAN

ST. CROIX HEALTH CENTER
MAIN STREET
CALAIS, MAINE

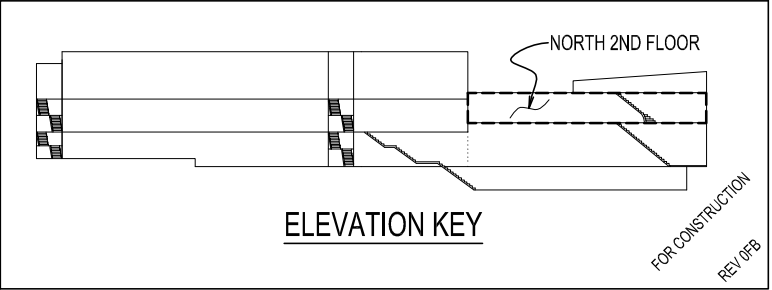
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NOTES:
1) NO MECH. PIPING ON THIS FLOOR.



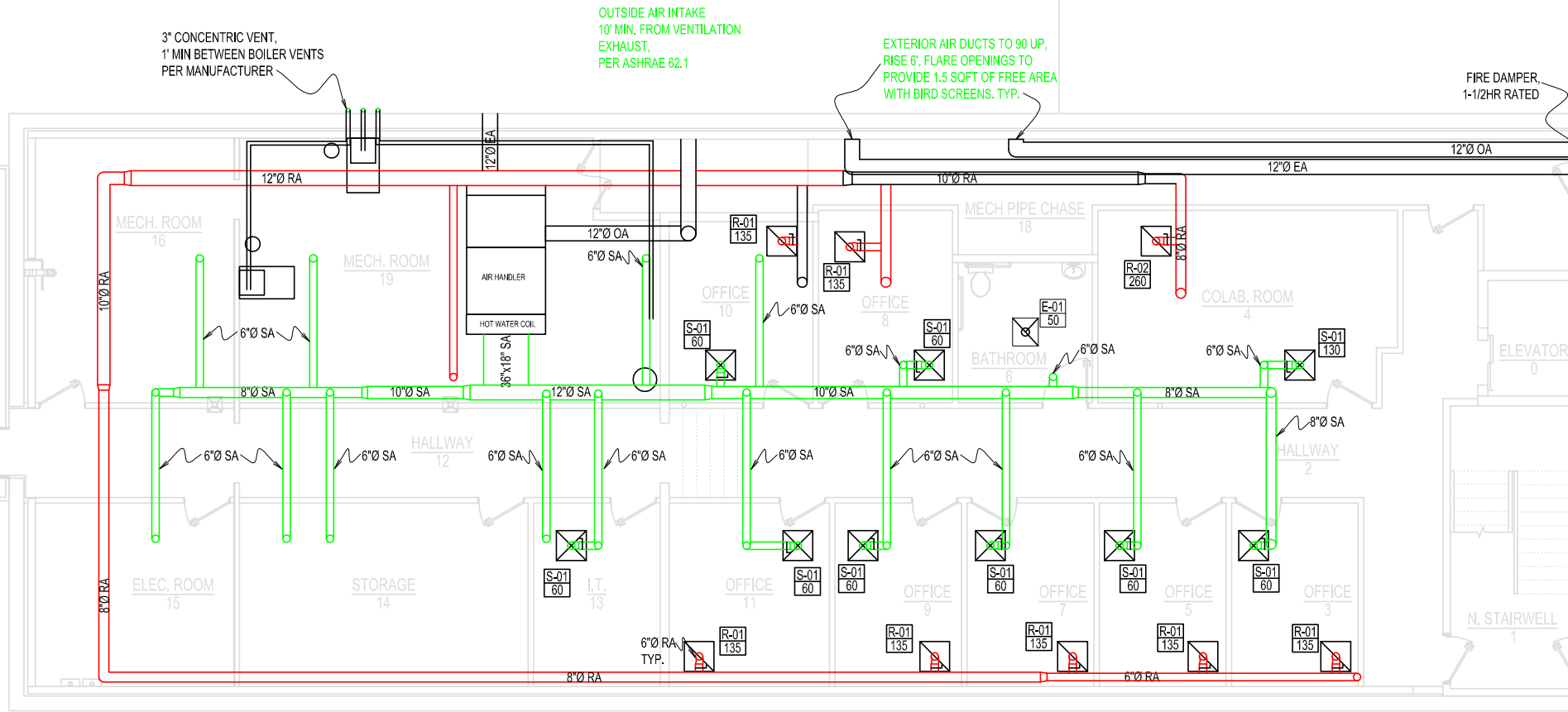
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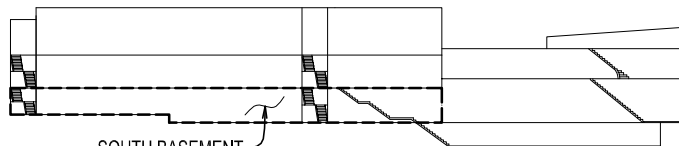
OFFICE SPACE 2ND FLOOR MECH. PIPING PLAN
ST. CROIX HEALTH CENTER
MAIN STREET
CALAIS, MAINE

DATE: 9/22/2026
SCALE: NOTED
DRAWN: TIO

JOB NO: 26001M
M10



- NOTES:
- 1). ALIGN CEILING AIR DEVICES WITH REFLECTIVE CEILING PLAN.
 - 2). DUCTS ALSO SERVICE FLOOR AIR DEVICES ABOVE.
 - 3). TUCK DUCTS BETWEEN FLOOR JOISTS ABOVE THE LOW HEADROOM HALLWAY.
 - 4). BALANCING DAMPER NEAR ALL RETURN/SUPPLY DUCT ENDS
 - 5). BATHROOM EXHAUST FANS TO DUCT DIRECTLY UP THROUGH ROOF PER DETAIL.
 - 6). VENTILATION AIR VENTS TO BE CLEARED OF SNOW.



ELEVATION KEY

HEALTH CENTER BASEMENT HVAC PLAN

SCALE: 3/32 IN. = 1 FT.

HEALTH CENTER BASEMENT HVAC PLAN

ST. CROIX HEALTH CENTER
MAIN STREET
CALAIS, MAINE

DATE: 9/22/2026
SCALE: NOTED
DRAWN: TIO
JOB NO: 26001M
M11

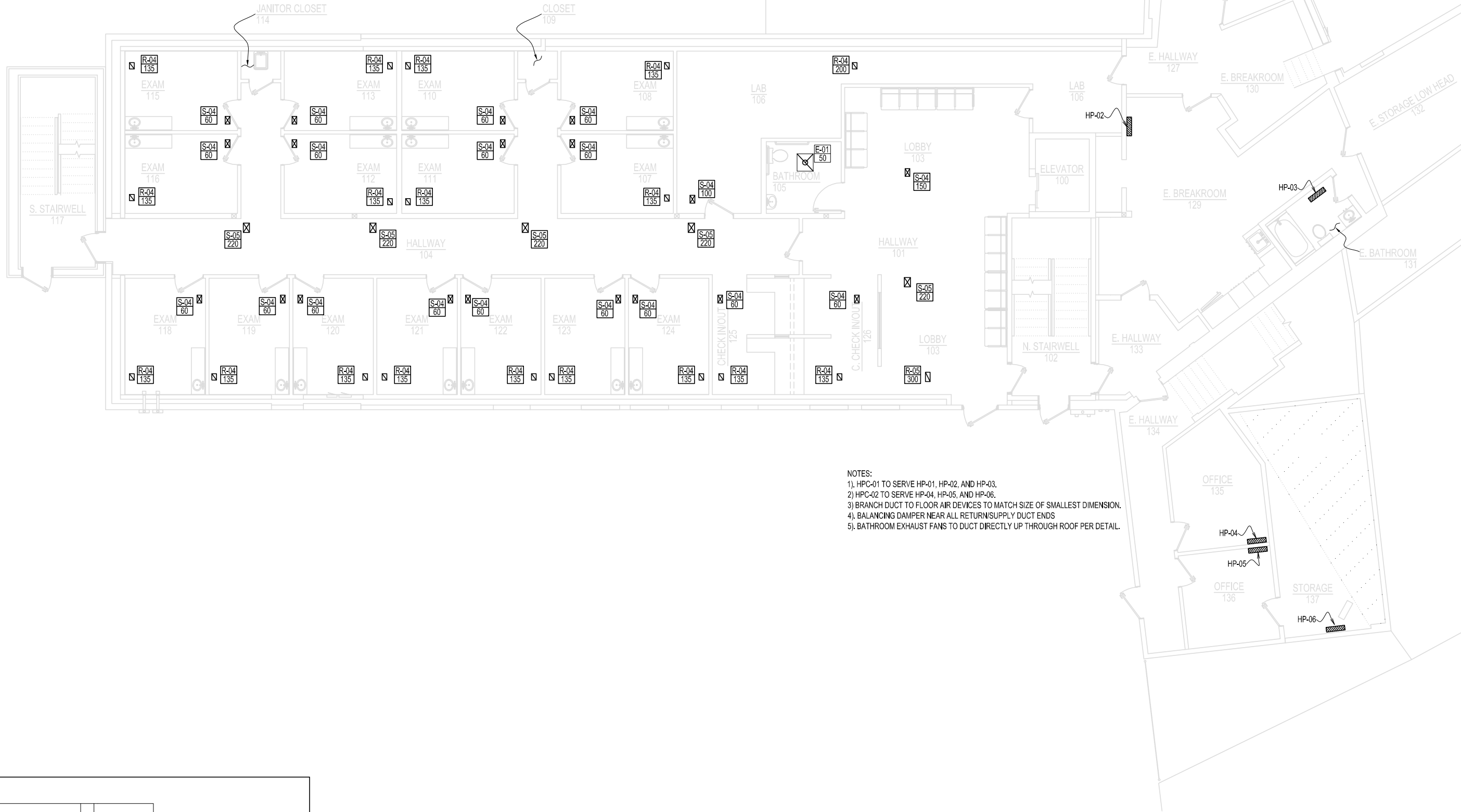
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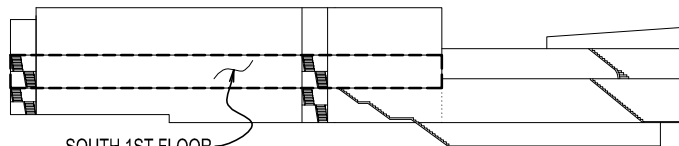
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FOR CONSTRUCTION
REV 0/08



NOTES:
1). HPC-01 TO SERVE HP-01, HP-02, AND HP-03.
2). HPC-02 TO SERVE HP-04, HP-05, AND HP-06.
3). BRANCH DUCT TO FLOOR AIR DEVICES TO MATCH SIZE OF SMALLEST DIMENSION.
4). BALANCING DAMPER NEAR ALL RETURN/SUPPLY DUCT ENDS
5). BATHROOM EXHAUST FANS TO DUCT DIRECTLY UP THROUGH ROOF PER DETAIL.



ELEVATION KEY

HEALTH CENTER 1ST FLOOR HVAC PLAN
SCALE: 3/32 IN. = 1 FT.

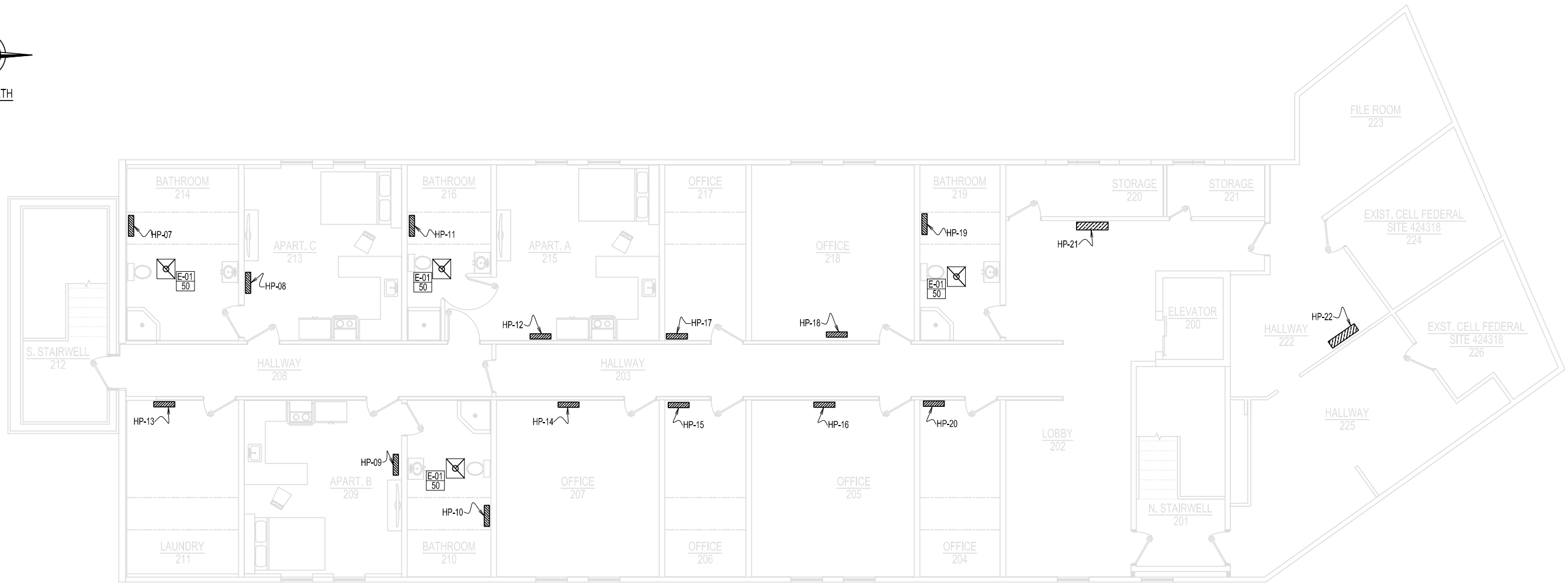
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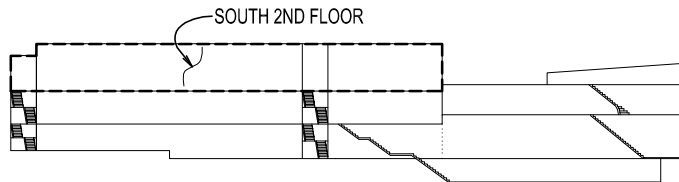
HEALTH CENTER 1ST FLOOR HVAC PLAN
ST. CROIX HEALTH CENTER
MAIN STREET
CALAIS, MAINE

DATE: 9/22/2026
SCALE: NOTED
DRAWN: TIO
JOB NO: 26001M
M12

FOR CONSTRUCTION
REV 0/08

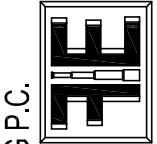


- NOTES:
- 1) HPC-03 TO SERVE HP-07, AND HP-08.
 - 2) HPC-04 TO SERVE HP-09, AND HP-10.
 - 3) HPC-05 TO SERVE HP-11, AND HP-12.
 - 4) HPC-06 TO SERVE HP-13, HP-14, HP-15, AND HP-16.
 - 5) HPC-07 TO SERVE HP-17, HP-18, HP-19, AND HP-20.
 - 6) HPC-08 TO SERVE HP-21, AND HP-22.
 - 7). BATHROOM EXHAUST FANS TO DUCT DIRECTLY UP THROUGH ROOF PER DETAIL.



ELEVATION KEY

APARTMENTS 2ND FLOOR HVAC PLAN
SCALE: 3/32 IN. = 1 FT.



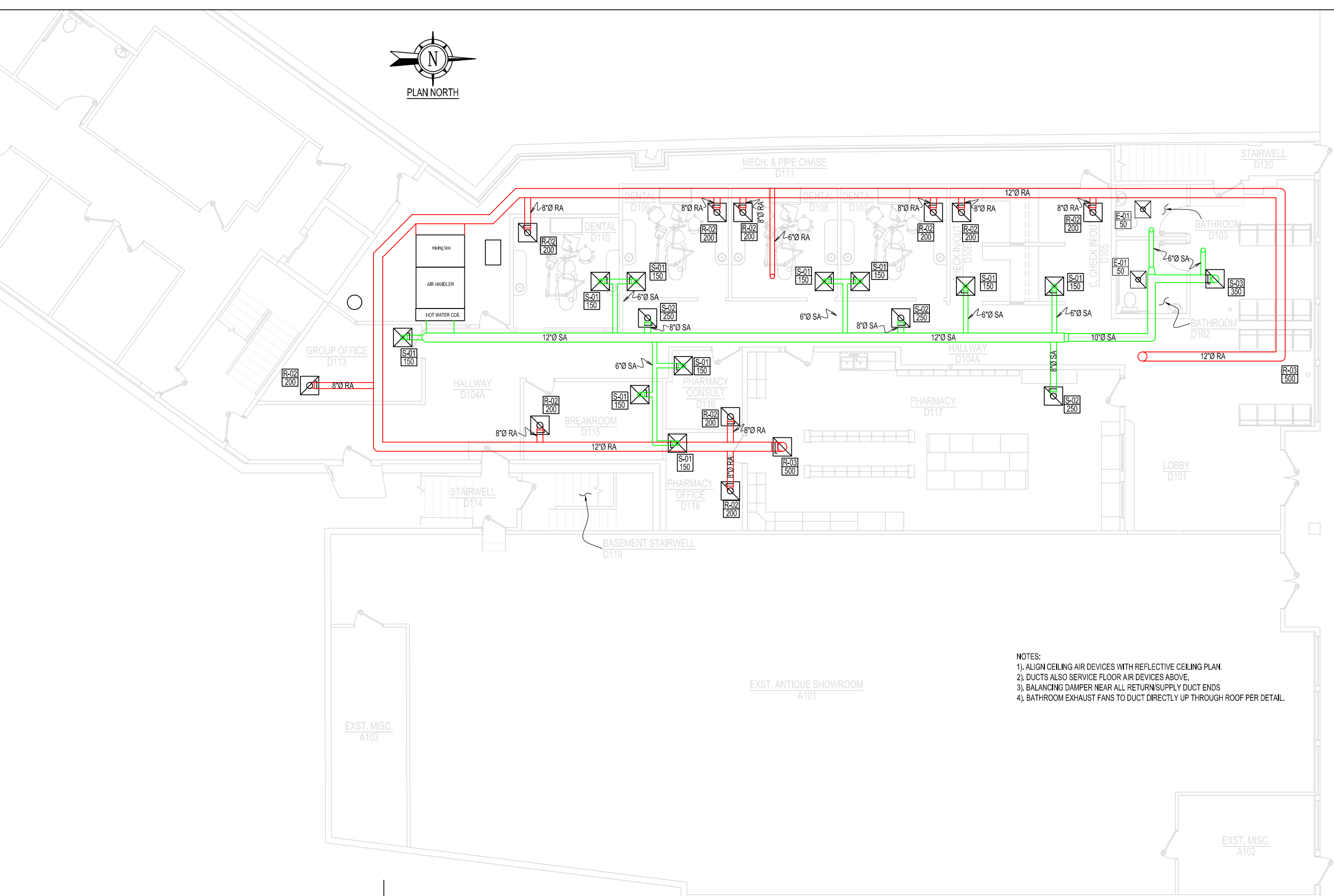
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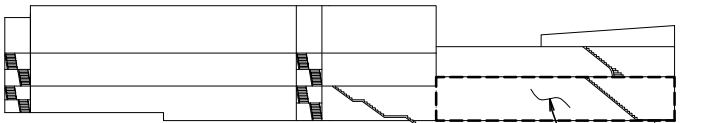
APARTMENTS 2ND FLOOR HVAC PLAN
ST. CROIX HEALTH CENTER
MAIN STREET
CALAIS, MAINE

DATE: 9/22/2026
SCALE: NOTED
DRAWN: TIO
JOB NO: 26001M
M13

FOR CONSTRUCTION
REV 0/08



- NOTES:
- 1). ALIGN CEILING AIR DEVICES WITH REFLECTIVE CEILING PLAN.
 - 2). DUCTS ALSO SERVICE FLOOR AIR DEVICES ABOVE.
 - 3). BALANCING DAMPER NEAR ALL RETURN/SUPPLY DUCT ENDS
 - 4). BATHROOM EXHAUST FANS TO DUCT DIRECTLY UP THROUGH ROOF PER DETAIL.



DENTAL 1ST FLOOR HVAC PLAN
SCALE: 3/32 IN. = 1 FT.

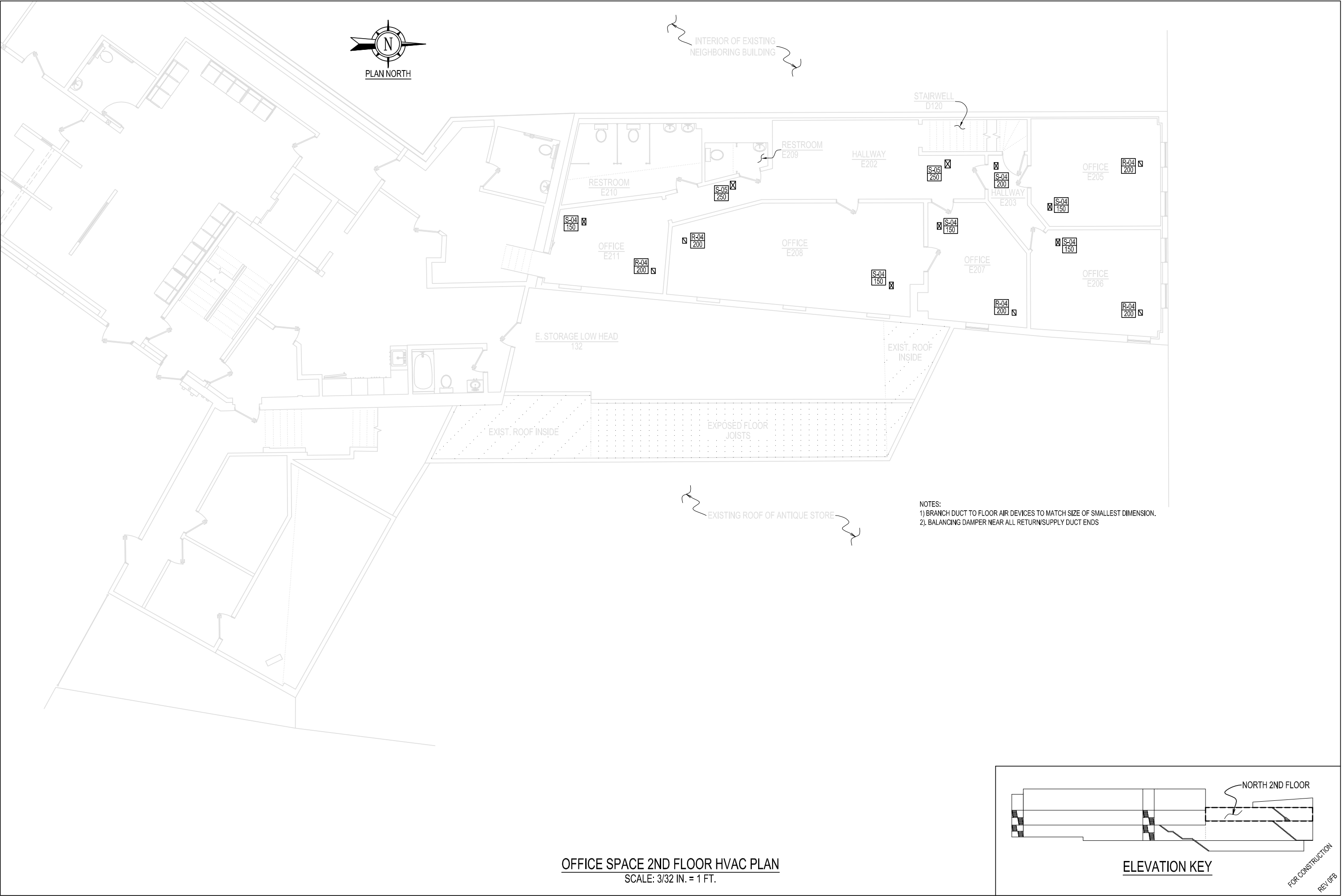
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DENTAL 1ST FLOOR HVAC PLAN
ST. CROIX HEALTH CENTER
MAIN STREET
CALAIS, MAINE

DATE: 9/22/2026
SCALE: NOTED
DRAWN: TIO
JOB NO: 26001M
M14

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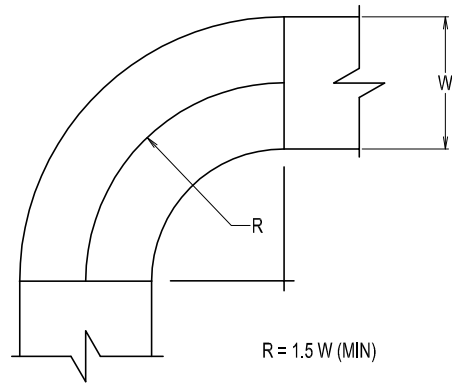
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OFFICE SPACE 2ND FLOOR HVAC PLAN

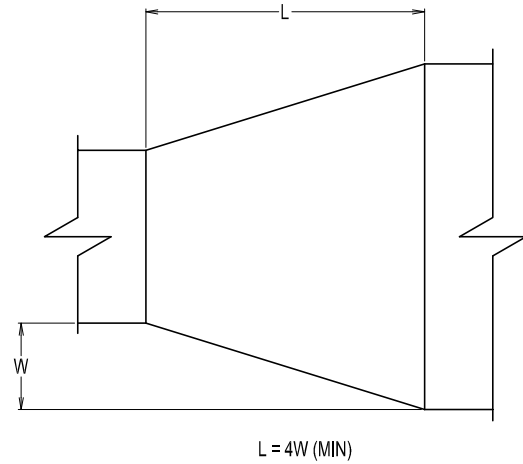
ST. CROIX HEALTH CENTER
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CALAIS, MAINE

DATE: 9/22/2026
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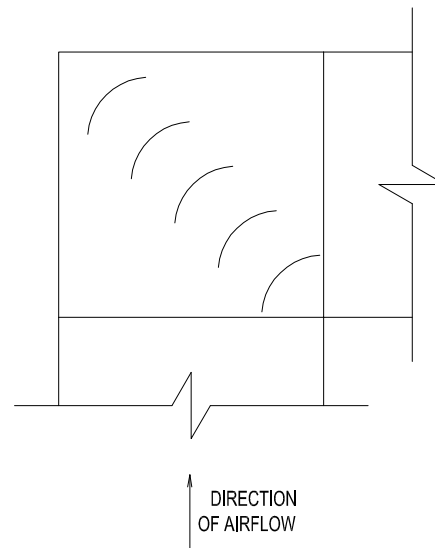
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M15



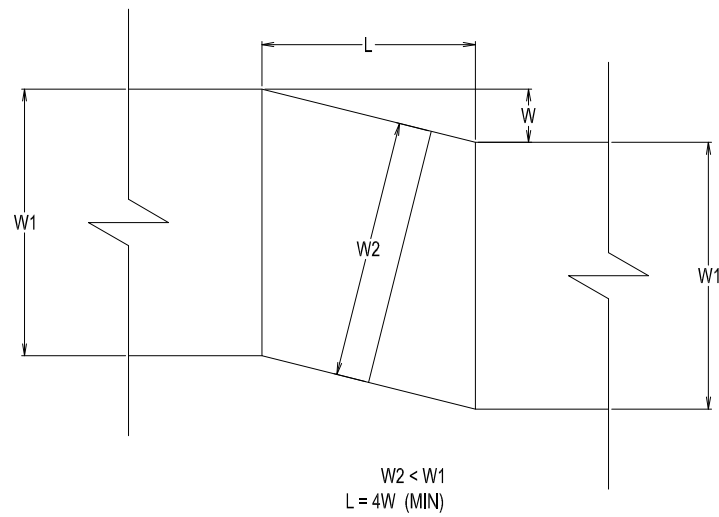
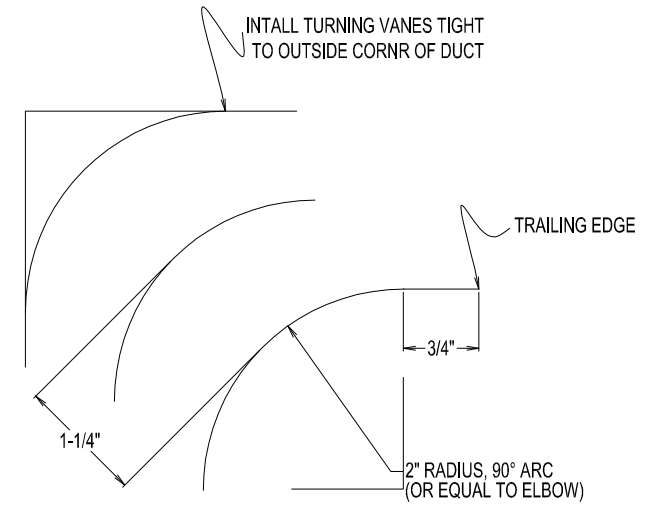
RADIUS ELBOW



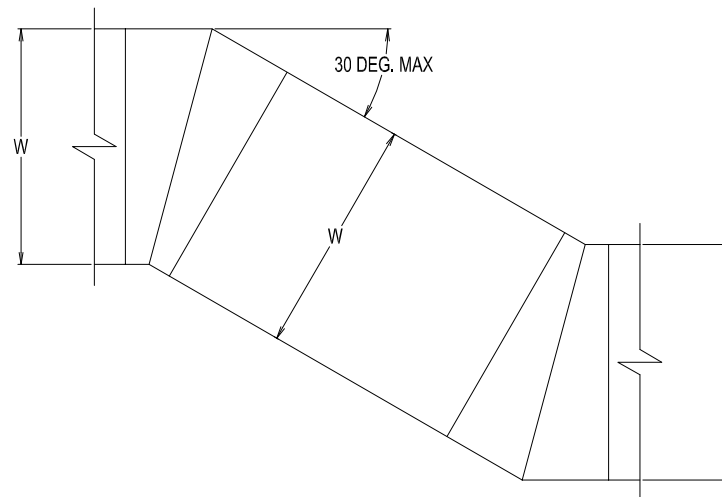
CONCENTRIC TRANSITION



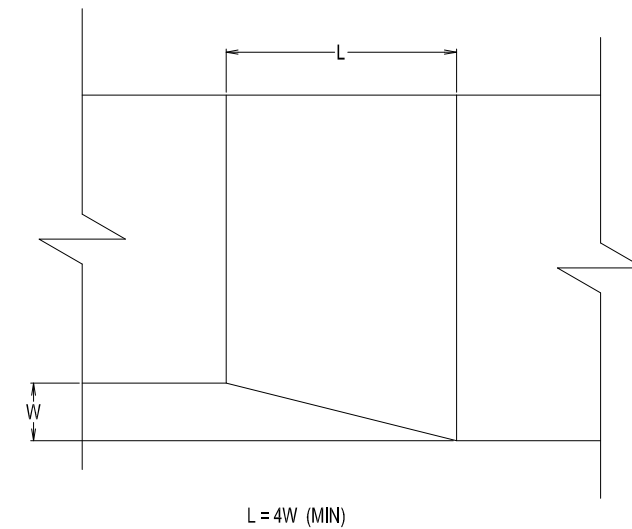
RECT. ELBOW w/ TURNING VANES



ANGLED OFFSET



MITERED OFFSET



ECCENTRIC TRANSITION



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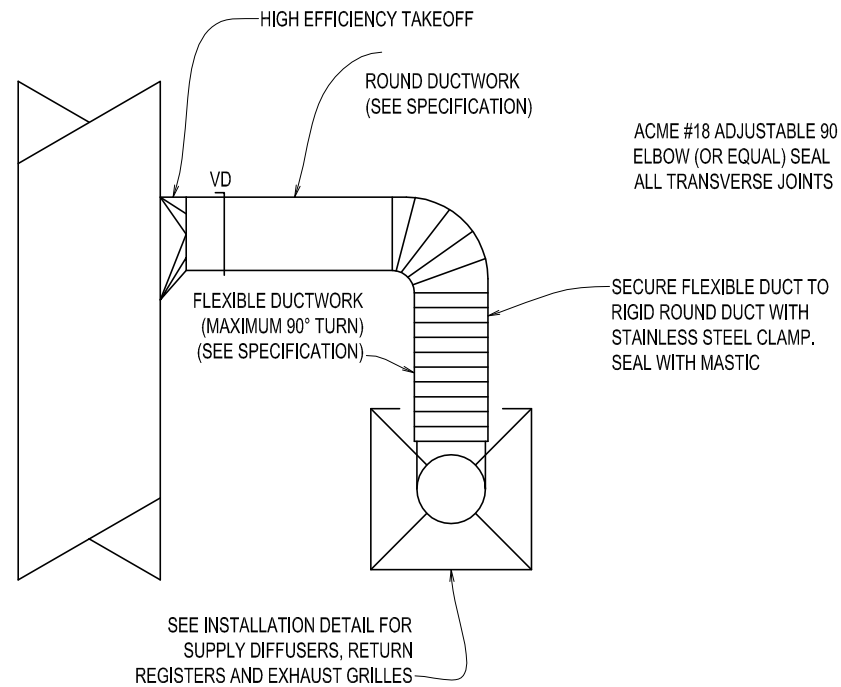
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STANDARD DUCT DETAILS
ST. CROIX HEALTH CENTER
MAIN STREET
CALAIS, MAINE

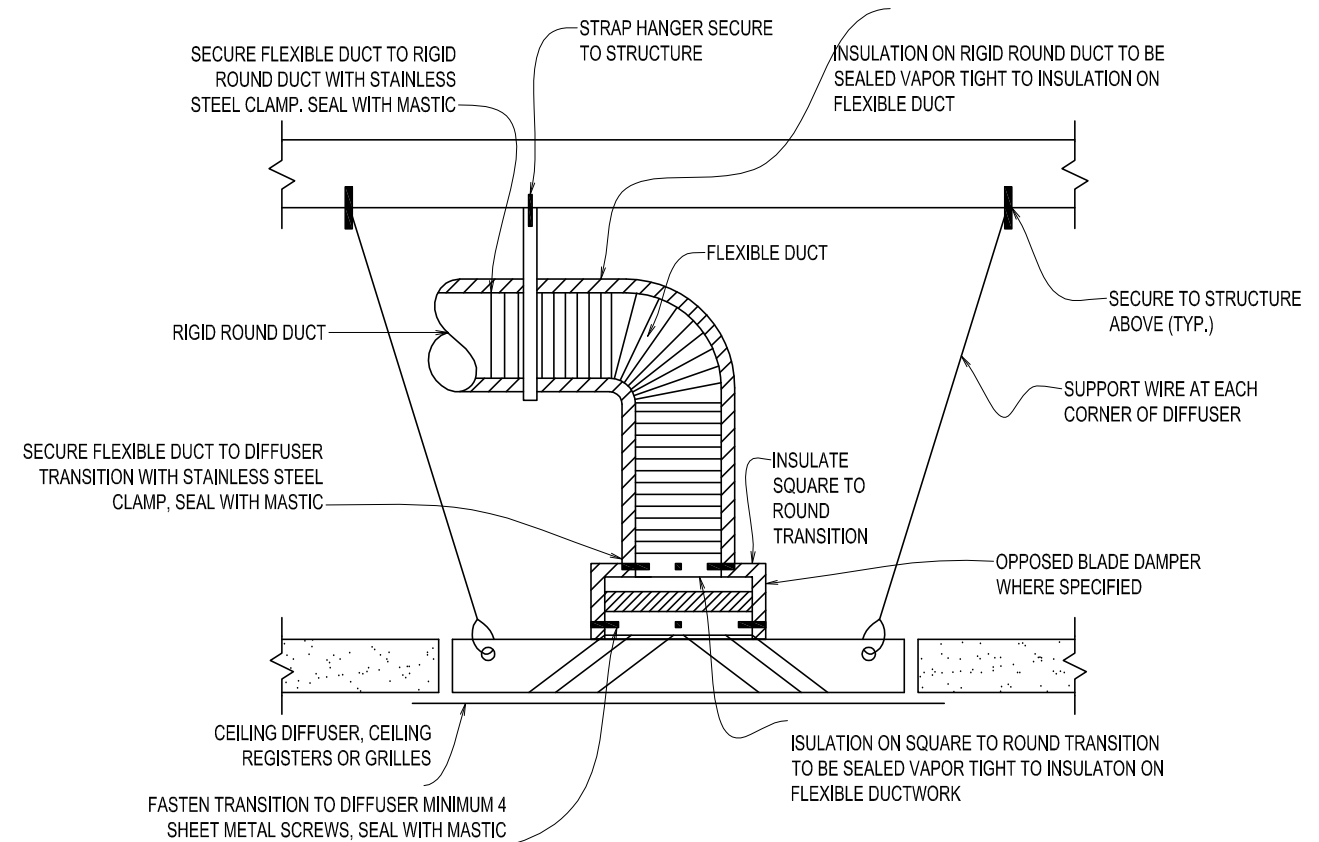
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JOB NO: 26001M
M16

FOR CONSTRUCTION
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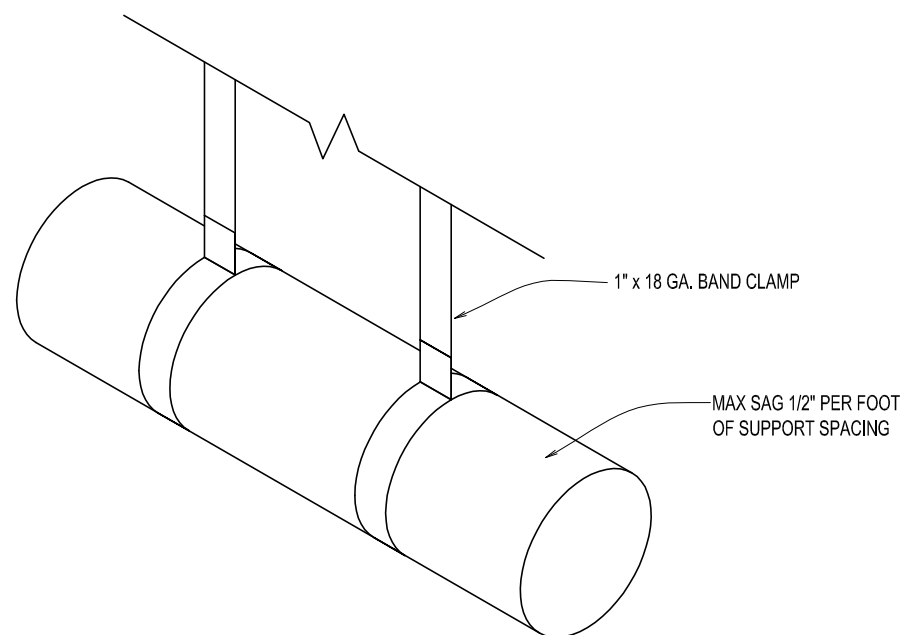
NOTE:
SEAL ALL DUCT JOINTS INCLUDING
CONNECTIONS TO DIFFUSER AS
SPECIFIED.



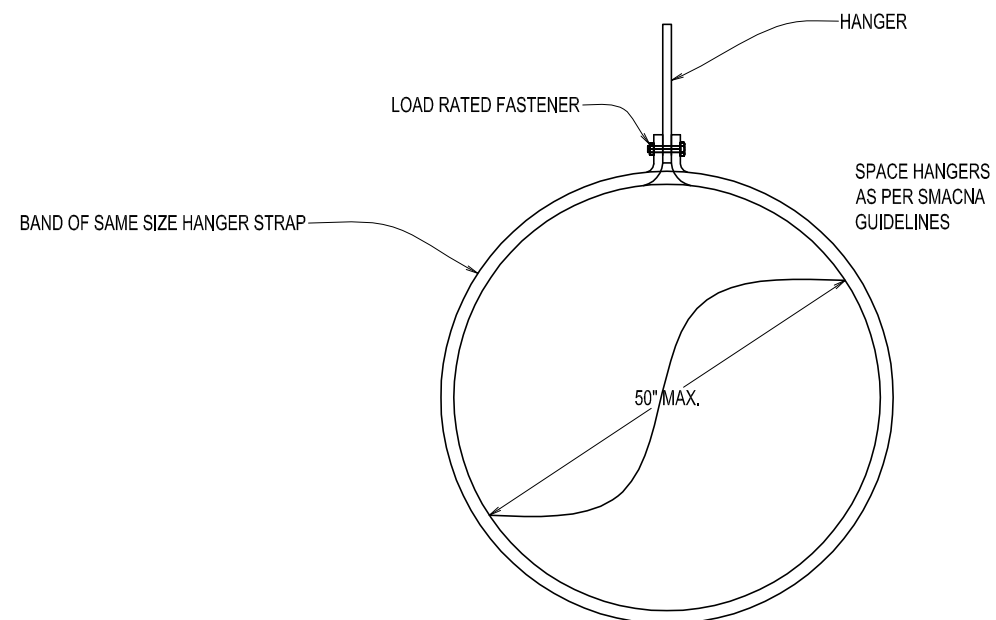
ROUND BRANCH DUCT TAKE OFF DETAIL
SCALE: NTS



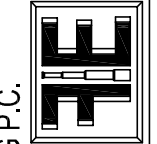
DIFFUSERS AND GRILLES INSTALLATION DETAIL
SCALE: NTS



FLEXIBLE DUCT SUPPORT
SCALE: NTS



ROUND DUCT SUPPORT
SCALE: NTS



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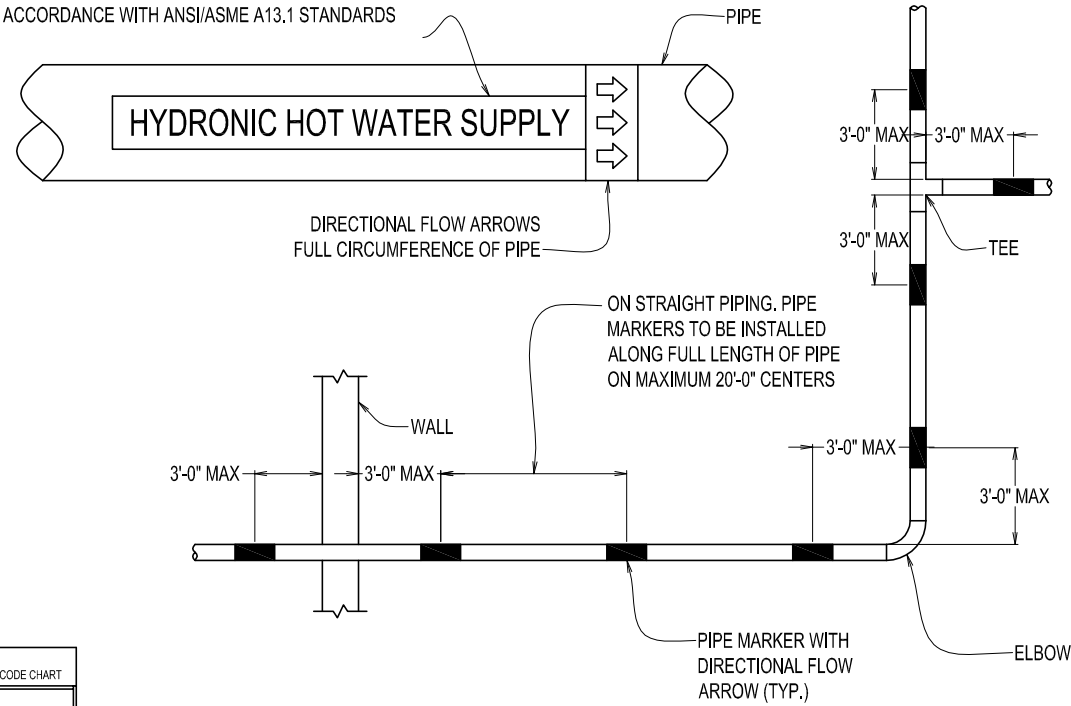
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MECH. DETAILS 1 OF 2
ST. CROIX HEALTH CENTER
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CALAIS, MAINE

DATE: 9/22/2026
SCALE: NOTED
DRAWN: TIO
JOB NO: 26001M
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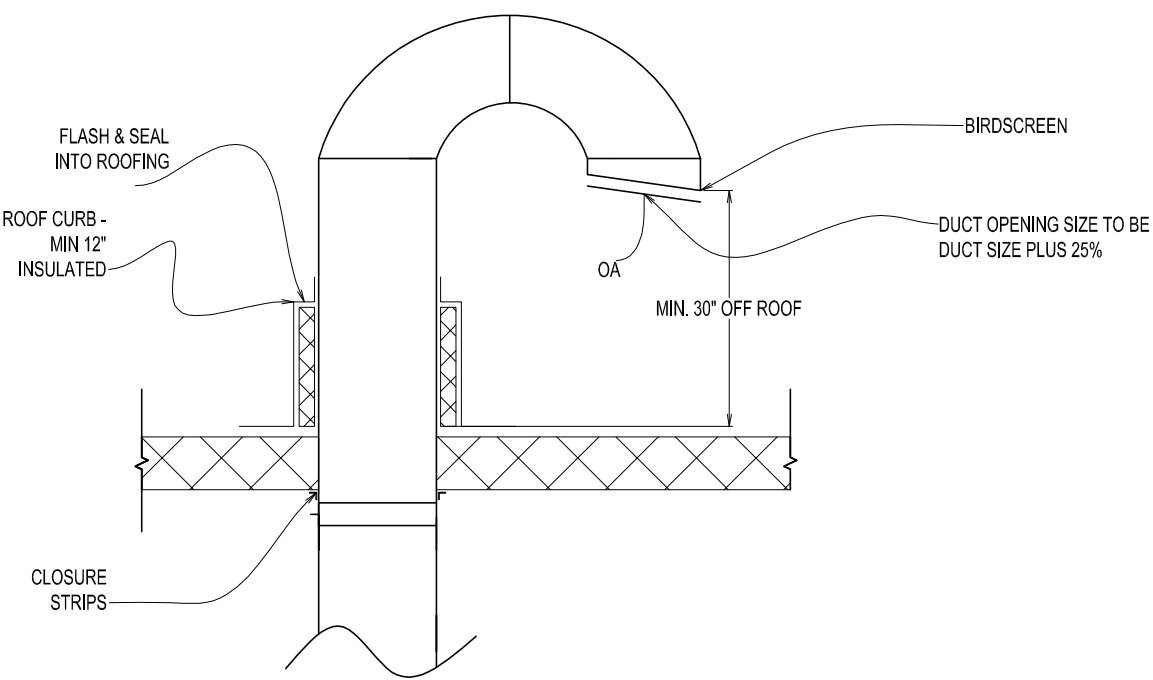
NOTE:
ALL PIPE MARKER LABELS SHALL BE IN
ACCORDANCE WITH ANSI/ASME A13.1 STANDARDS



DUCTWORK IDENTIFICATION COLOR CODE CHART	
SUPPLY	YELLOW
RETURN	RED/MAGENTA
EXHAUST	GREEN
OUTSIDE AIR	BLUE
RELIEF	WHITE
KITCHEN EXHAUST	BLACK

TYPICAL PIPE MARKERS
SCALE: NTS

BASIS OF DESIGN
- OILBOARD STENCIL LETTERS & ARROW.
- ROLLER APPLIED LOW / NO VOC PAINT.



RV ROOF EXHAUST GOOSENECK DETAIL
SCALE N.T.S