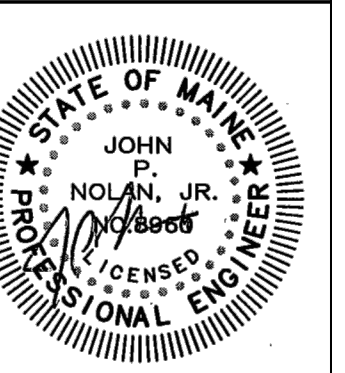


BASEMENT HVAC PLAN
SCALE: 1/4" = 1'-0"

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CLIENT
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PROJECT
BASEMENT HVAC PLAN
DRAWING TITLE

DATE: 12/20/2011

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

DRAWN BY: CJM

CHECKED BY: JPN

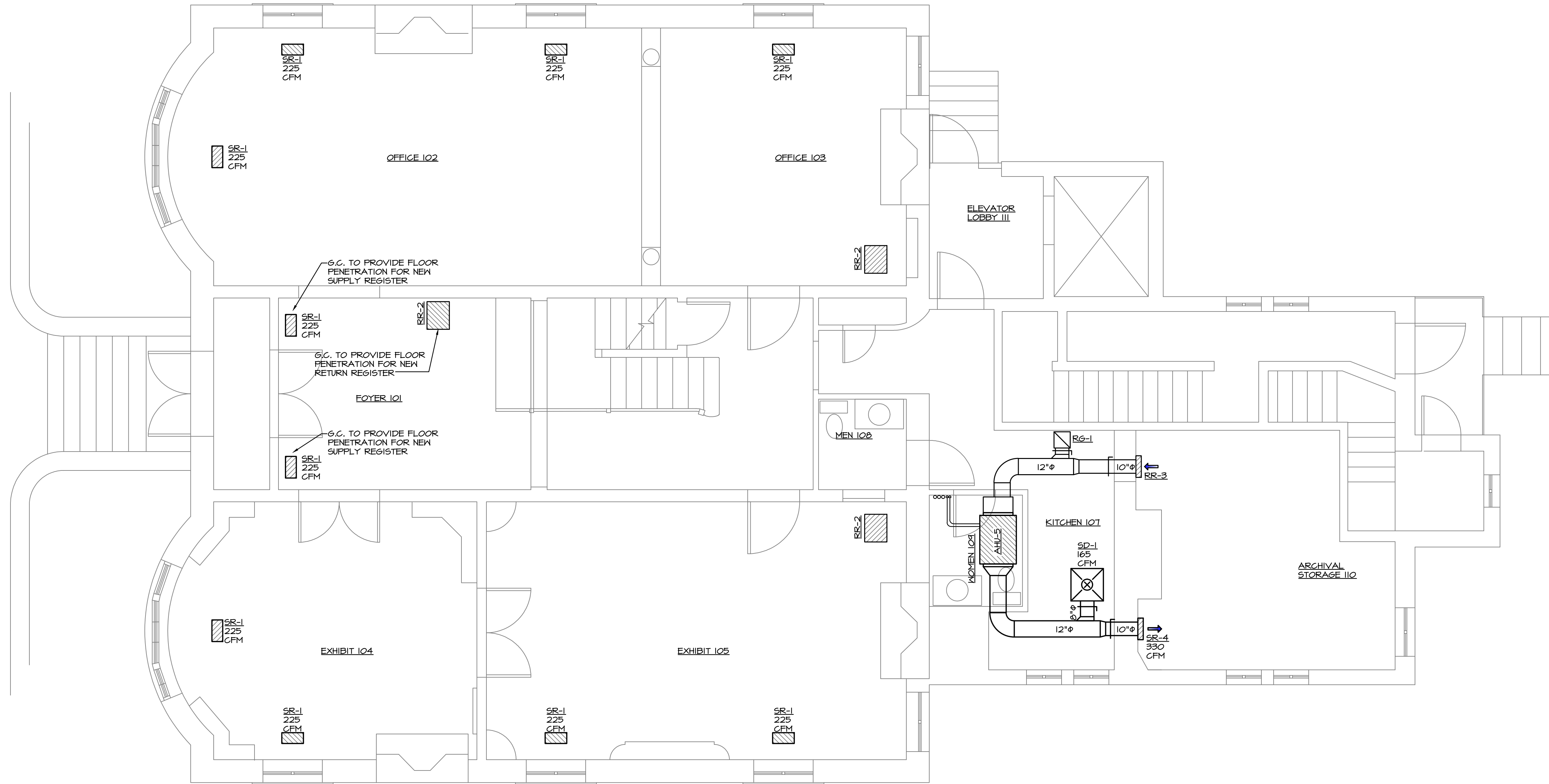
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SHEET 1 OF 5

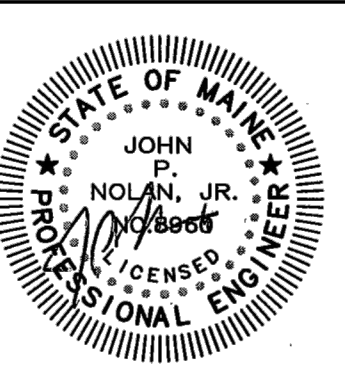


FIRST FLOOR HYAC PLAN
SCALE: 1/4" = 1'-0"

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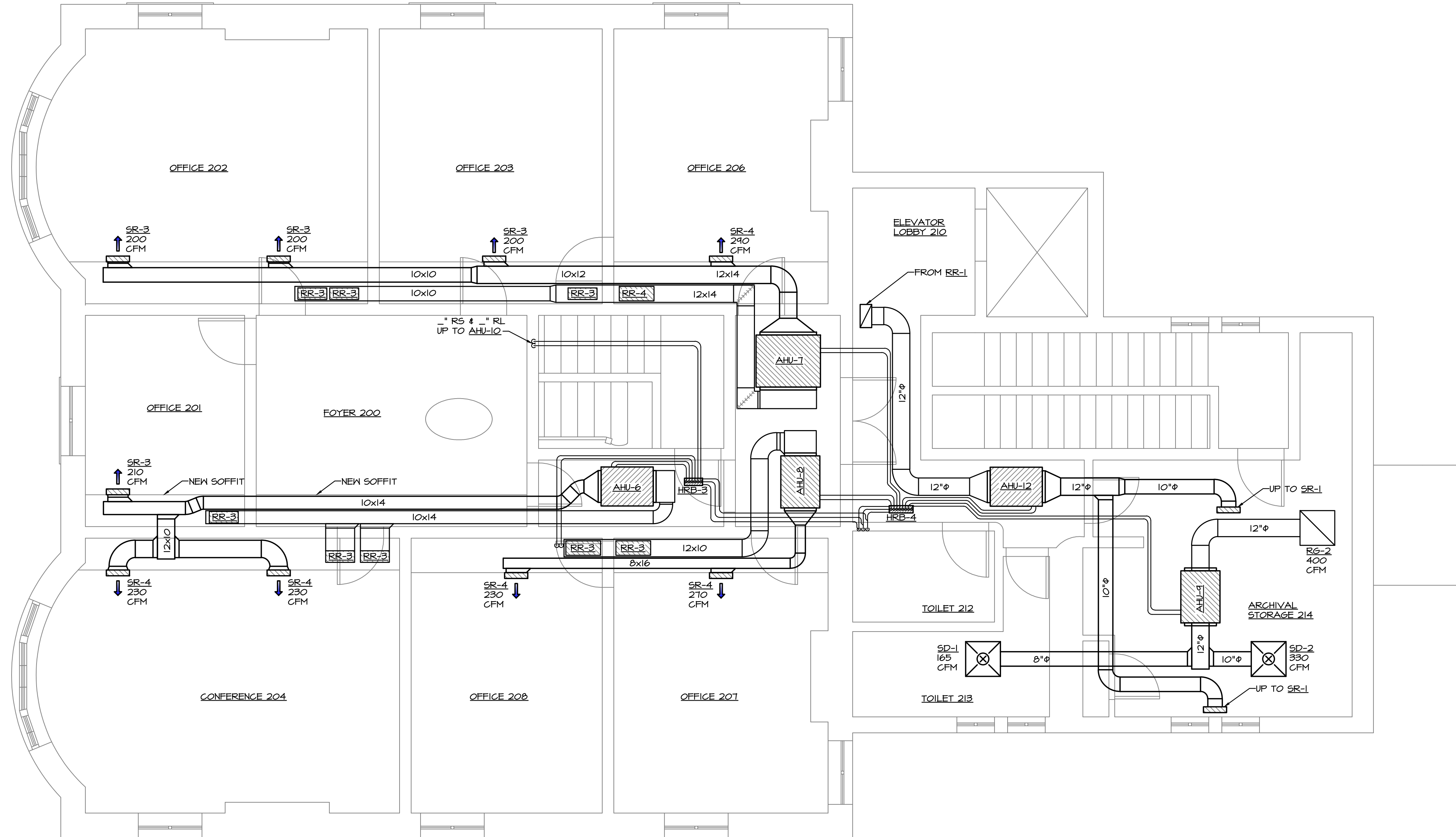
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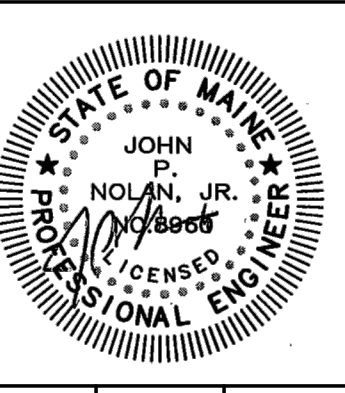


SECOND FLOOR HYAC PLAN
SCALE: 1/4" = 1'-0"

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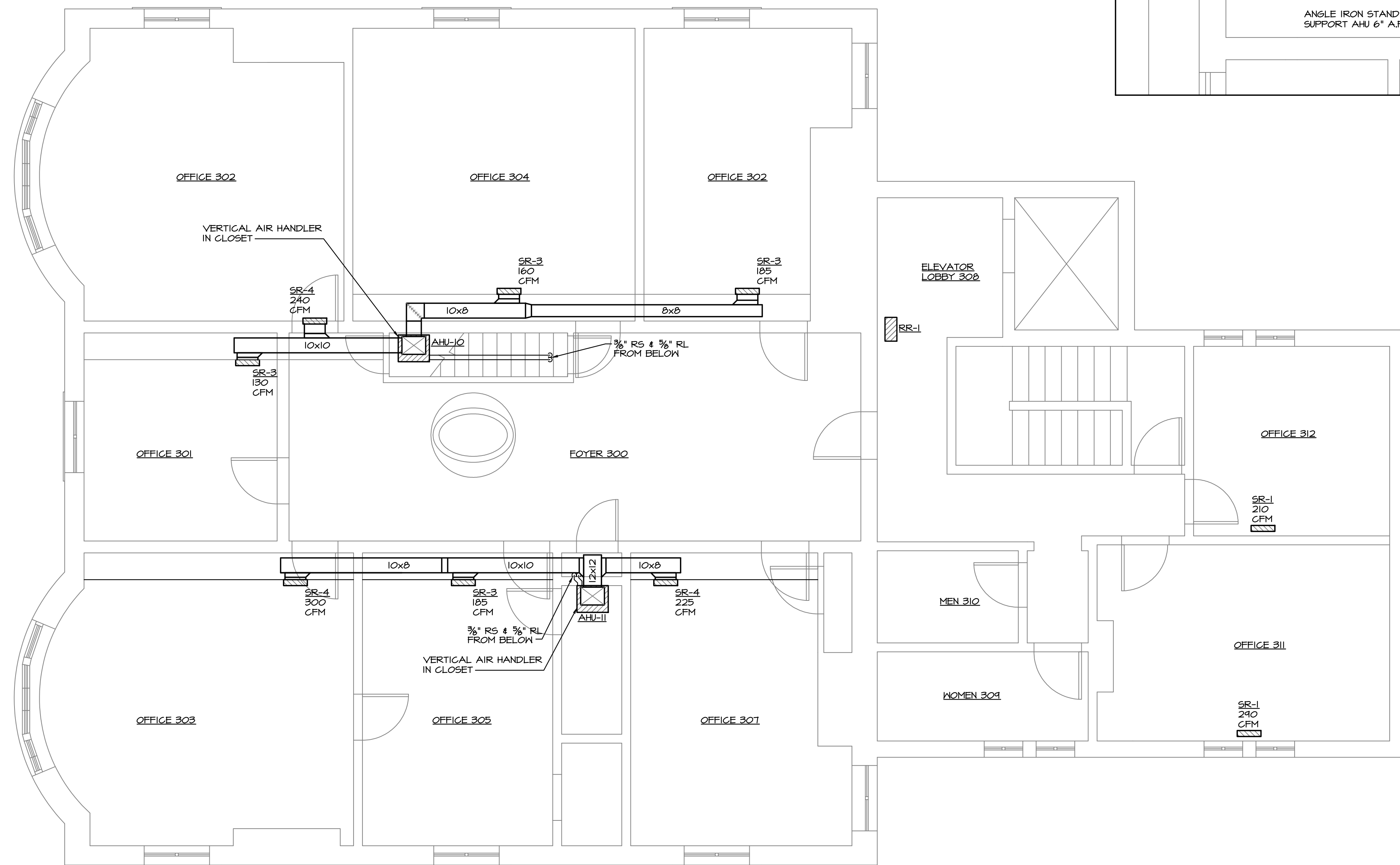
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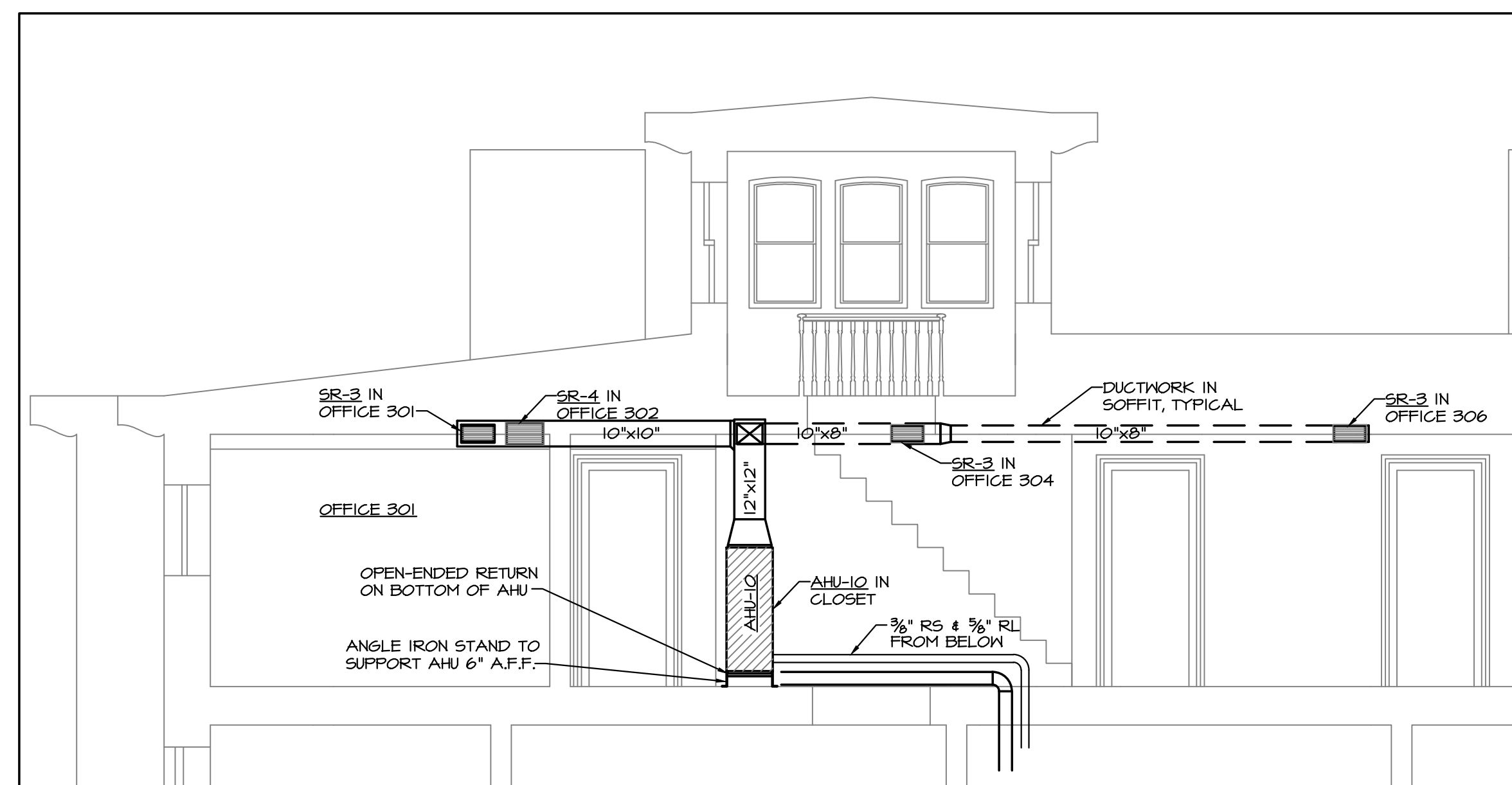
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SHEET NUMBER

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SHEET 3 OF 5



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

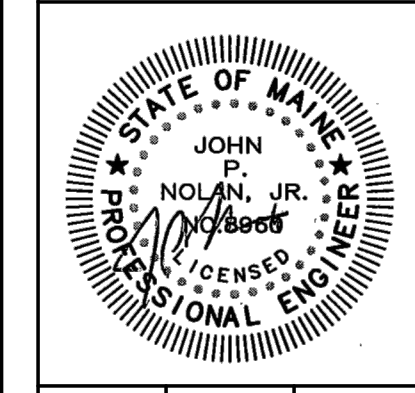


AHU-10 DUCTWORK DETAIL
SCALE: 1/4" = 1'-0"

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SHEET 4 OF 5

VRF AIR CONDITIONER SCHEDULE (INDOOR UNITS)																	
TAG	AREA SERVED	V/PH/Hz	WATTS	STYLE	NOM. COOLING (TONS)	COOLING CAPACITY (BTU/HR)	HEATING CAPACITY (BTU/HR)	AIRFLOW (CFM)	PIPE CONNECTIONS			DIMENSIONS			ASSOCIATED OUTDOOR UNITS	MODEL	REMARKS
									RL	RS	C	W	H	D			
AHU-1	STORAGE B04	208/1/60	40	WALL MOUNTED	1/2	7500	8500	200	1/4"	1/2"	-	-	-	-	-	LG ARNU035EL2	-
AHU-2	FOYER 101	208/1/60	150	CEILING CONCEALED	2	24,200	27,300	670	3/8"	5/8"	-	-	-	-	-	LG ARNU243BHA2	-
AHU-3	EXHIBIT 104, EXHIBIT 105	208/1/60	450	CEILING CONCEALED	2 1/2	28,000	31,500	900	3/8"	5/8"	-	-	-	-	-	LG ARNU283BGA2	-
AHU-4	OFFICE 102, OFFICE 103	208/1/60	450	CEILING CONCEALED	2 1/2	28,000	31,500	900	3/8"	5/8"	-	-	-	-	-	LG ARNU283BGA2	-
AHU-5	STORAGE 110	208/1/60	150	CEILING CONCEALED	1 1/2	19,100	21,500	500	1/4"	1/2"	-	-	-	-	-	LG ARNU183BGA2	-
AHU-6	OFFICE 201, CONF. 204	208/1/60	450	CEILING CONCEALED	2	24,200	27,300	670	3/8"	5/8"	-	-	-	-	-	LG ARNU243NJA2	-
AHU-7	OFFICES 202, 203, 206	208/1/60	450	CEILING CONCEALED	2 1/2	28,000	31,500	900	1/4"	1/2"	-	-	-	-	-	LG ARNU283BGA2	-
AHU-8	OFFICES 207, 208	208/1/60	150	CEILING CONCEALED	1 1/2	19,100	21,500	500	1/4"	1/2"	-	-	-	-	-	LG ARNU183BGA2	-
AHU-9	STORAGE 214	208/1/60	150	CEILING CONCEALED	1 1/2	19,100	21,500	500	1/4"	1/2"	-	-	-	-	-	LG ARNU183BGA2	-
AHU-10	OFFICES 302, 304, 306	208/1/60	120	VERTICAL CONCEALED	2	24,000	27,000	710	3/8"	5/8"	-	-	-	-	-	LG ARNU243NJA2	-
AHU-11	OFFICES 305, 307	208/1/60	120	VERTICAL CONCEALED	2	24,000	27,000	710	3/8"	5/8"	-	-	-	-	-	LG ARNU243NJA2	-
AHU-12	OFFICES 311, 312	208/1/60	150	CEILING CONCEALED	1 1/2	19,100	21,500	500	1/4"	1/2"	-	-	-	-	-	LG ARNU183BGA2	-
AHU-13	BASEMENT	208/1/60	-	WALL MOUNTED	2	24,200	27,300	500	-	-	-	-	-	-	LG ARNU24355L2	-	

WATER SOURCE VRF AIR CONDITIONER SCHEDULE															
TAG	SERVES	V/PH/Hz	MCA	MOCp	COOLING CAPACITY (BTU/HR)	HEATING CAPACITY (BTU/HR)	REFRIGERANT	PIPE CONNECTIONS			DIMENSIONS			MODEL	REMARKS
								RL	RS	C	W	H	D		
HP-1A	BUILDING	208/3/60	45	60	144,000	137,000	R-410A	-	-	-	-	-	-	LG ARNB144BA2	TWINNED W/ HP-1B
HP-1B	BUILDING	208/3/60	45	60	144,000	137,000	R-410A	-	-	-	-	-	-	LG ARNB144BA2	TWINNED W/ HP-1A

FLUID COOLER SCHEDULE								
TAG	SERVES	ELECTRICAL	HP	FLOW (GPM)	PRESSURE DROP (FT H ₂ O)	MANUFACTURER	MODEL	REMARKS
FC-1	WSHP-1	208/3/60	5.0	85	9.5	EVAPCO	LRWB	-

GAS BOILER SCHEDULE												
TAG	SERVES	INPUT (MBH)	OUTPUT (MBH)	EFF. (%)	FUEL	BURNER (FT ³ /MIN)	SIZE (LxWxH)	VENT SIZE (IN Ø)	WEIGHT (POUNDS)	ELECTRIC	MOD. NO.	REMARKS
B-1	BUILDING HWS/R	150	-	90+	NG	-	-	3" INTAKE 3" VENT	-	115/1/60	HTP ELITE 150	-

EXPANSION TANK SCHEDULE										
TAG	SERVES	REQ'D ACCEP. VOL. (GAL)	ACCEP. VOL. (GAL)	MAX TEMP (°F)	MAX PRESSURE (PSIG)	DIA. (IN)	HEIGHT (IN)	MODEL	REMARKS	
ET-1	CONDENSER WATER LOOP	-	-	-	-	-	-	AMTROL	-	

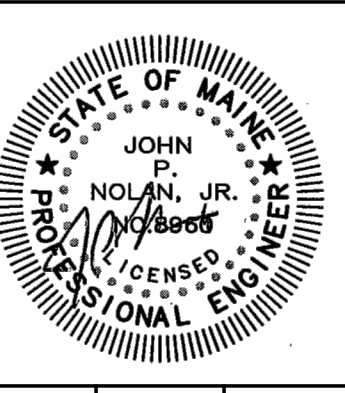
PUMP SCHEDULE										
TAG	SERVES	TYPE	GPM	HEAD	HP	RPM	ELECTRIC	WEIGHT (POUNDS)	MOD. NO.	REMARKS
CP-1	BOILER B-1	INLINE	20	15'	1/6	3250	115/1/60	12.0	TACO 0013 IFC	-
CP-2	CONDENSER WATER	INLINE	85	40'	2.0	1750	208/3/60	-	TACO KV2004	-

GRILLES, REGISTERS, & DIFFUSER SCHEDULE						
TAG	NECK (INCHES)	FACE SIZE (INCHES)	CFM	SP (W.G.)	THROW (FEET)	REMARKS
SR-1	-	16"x8"	0-225	0.05	-	FLOOR SUPPLY REGISTER REGGIO REGISTER MODEL 816
SR-2	-	24"x8"	226-350	0.05	-	FLOOR SUPPLY REGISTER REGGIO REGISTER MODEL 824
SR-3	-	12"x6"	0-250	0.05	-	WALL SUPPLY REGISTER W/ OBD DOUBLE DEFLECTION, 3/4" SPACING
SR-4	-	14"x8"	251-400	0.05	-	WALL SUPPLY REGISTER W/ OBD DOUBLE DEFLECTION, 3/4" SPACING
SD-1	8"Ø	24x24	0-250	0.05	-	ANEMOSTAT EPL, LAY-IN STYLE
SD-2	10"Ø	24x24	251-400	0.05	-	ANEMOSTAT EPL, LAY-IN STYLE
RR-1	-	22"x11"	0-500	0.05	-	REGGIO REGISTER MODEL 1122
RR-2	-	20.5"x16.5"	501-900	0.05	-	REGGIO REGISTER MODEL 1620
RR-3	-	20"x8"	0-275	0.05	-	CEILING RETURN REGISTER W/ OBD 3/4" SPACING, 45° DEFLECTION
RR-4	-	24"x10"	276-400	0.05	-	CEILING RETURN REGISTER W/ OBD 3/4" SPACING, 45° DEFLECTION
RG-1	-	12"x12"	0-300	0.05	-	3/4" SPACING, 45° DEFLECTION
RG-2	-	24"x24"	301-1000	0.05	-	3/4" SPACING, 45° DEFLECTION

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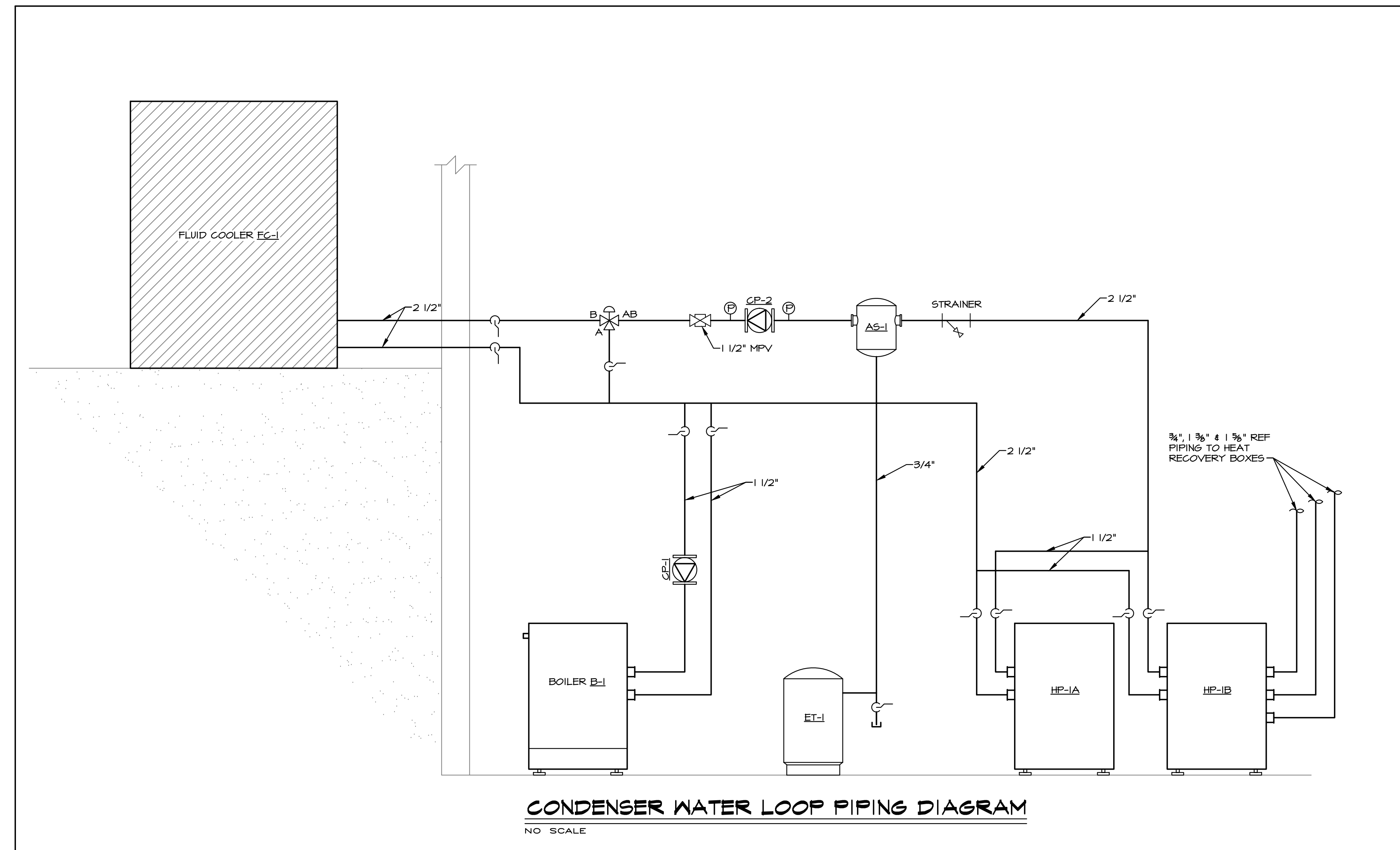
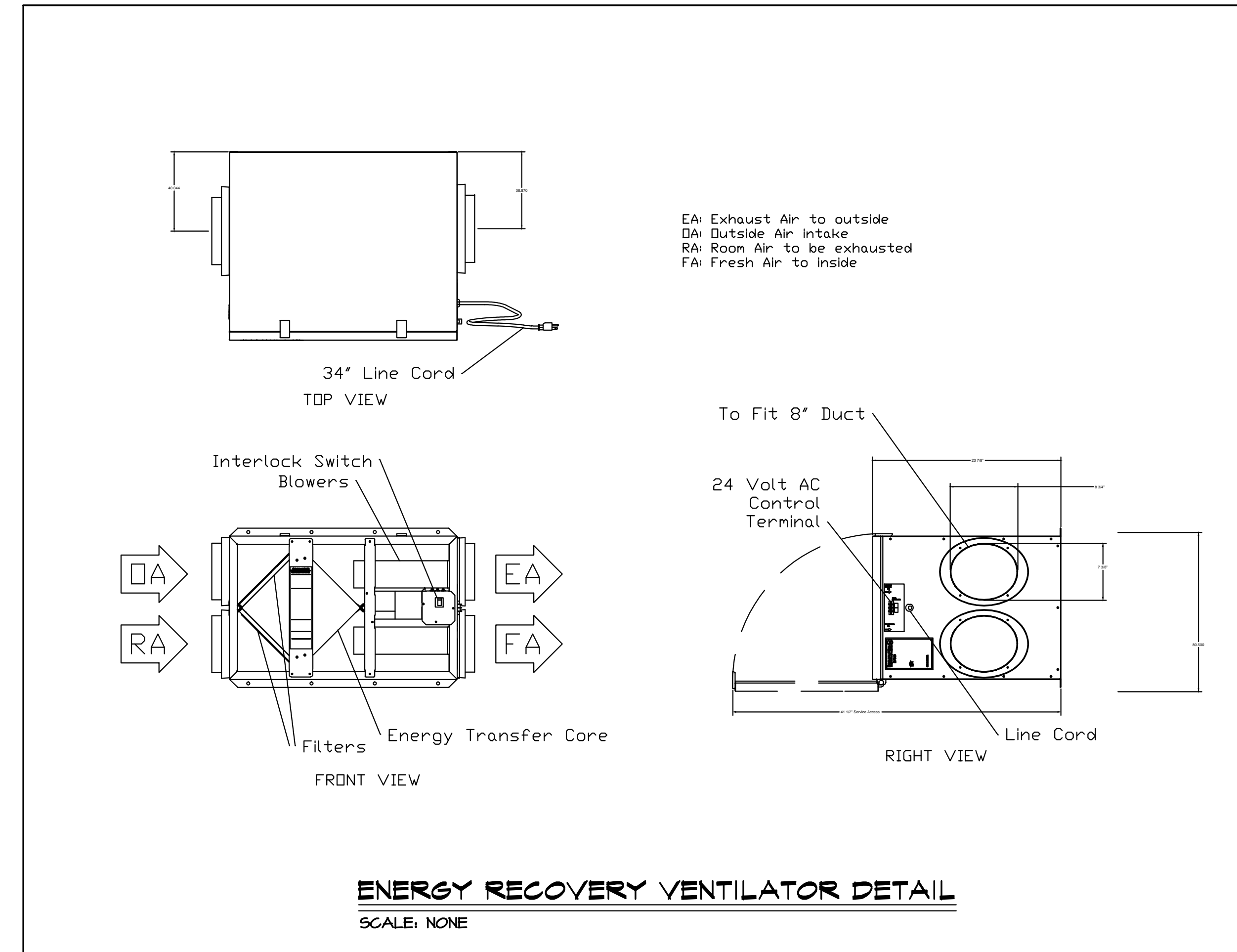
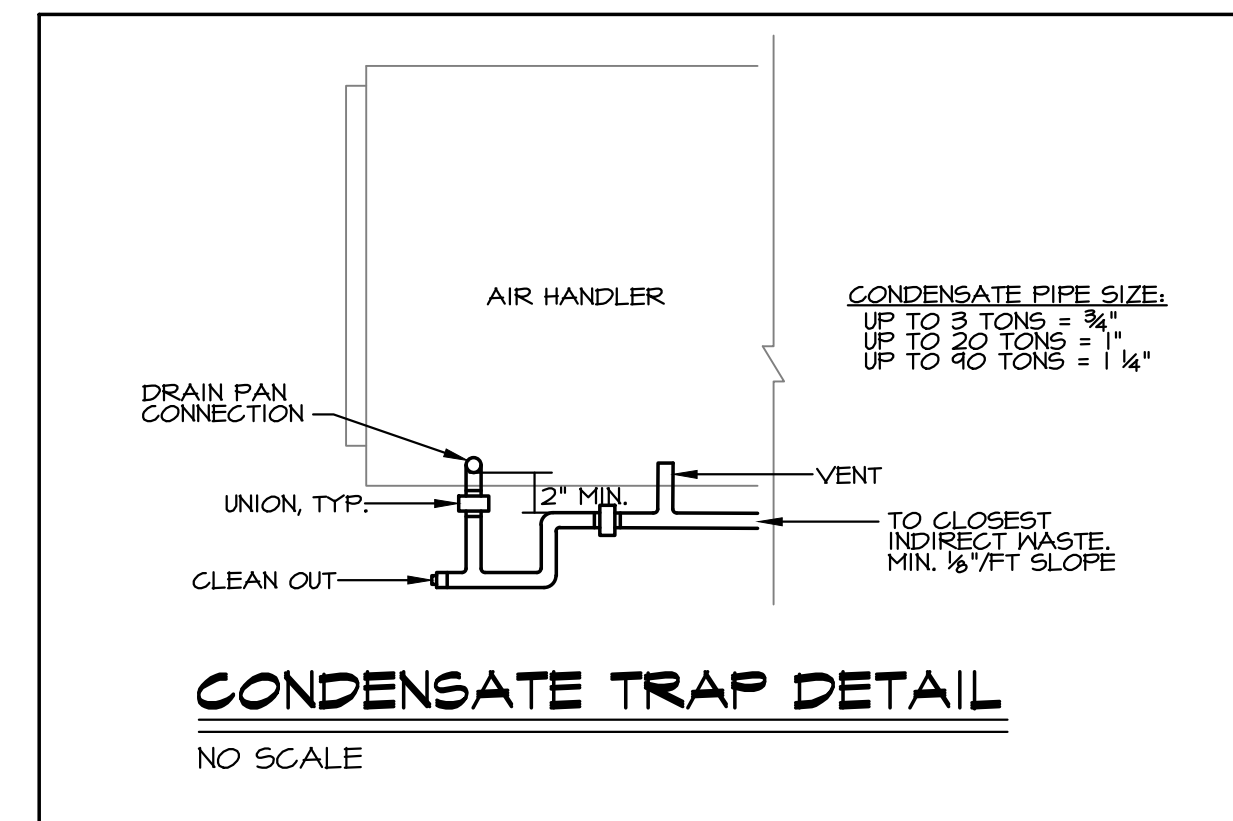
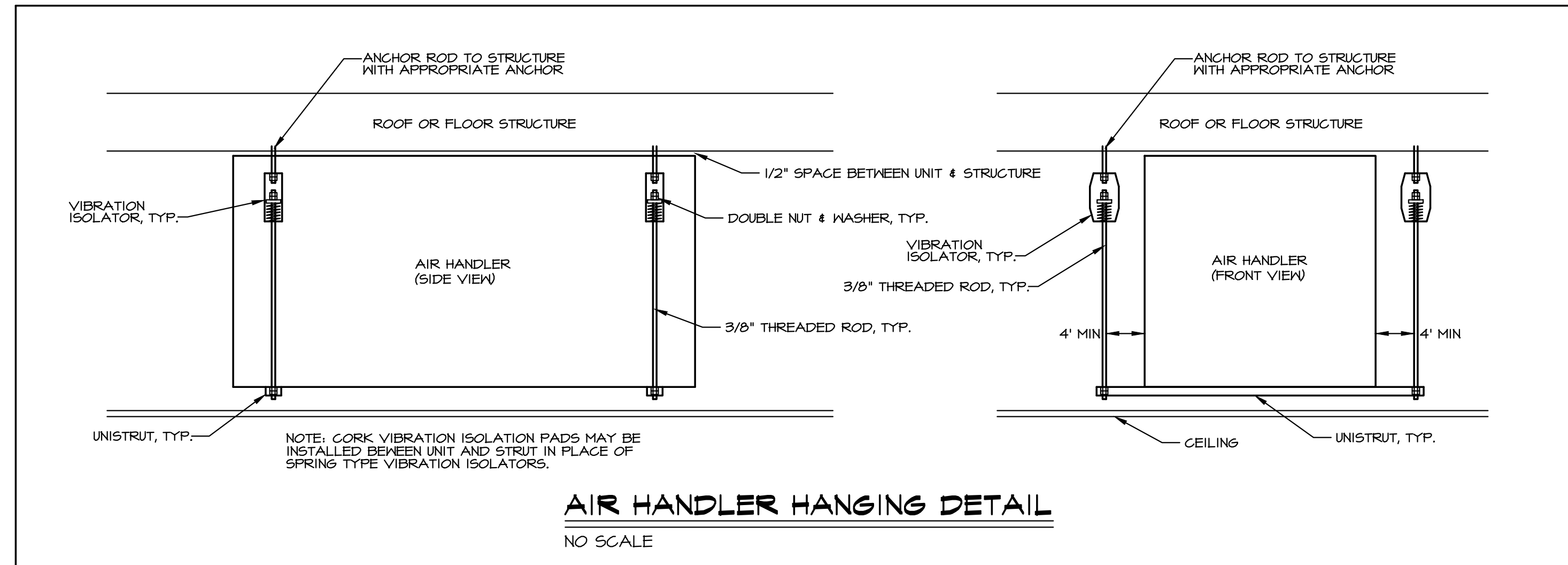
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93 HIGH STREET - PORTLAND, ME
 PROJECT
MECHANICAL SCHEDULES
 DRAWING TITLE

DATE: 12/20/2011
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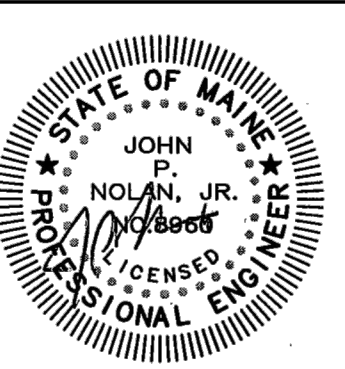
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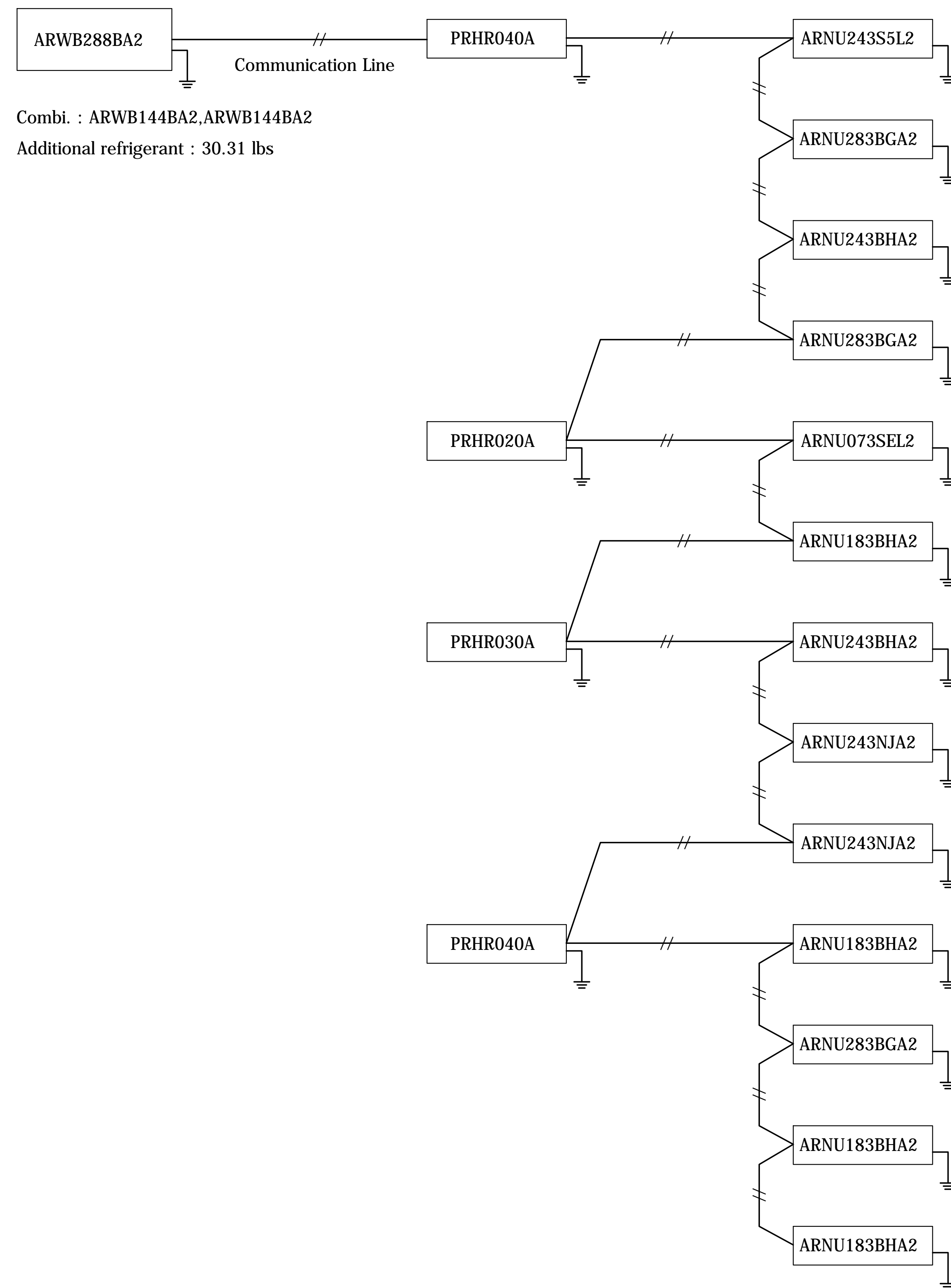
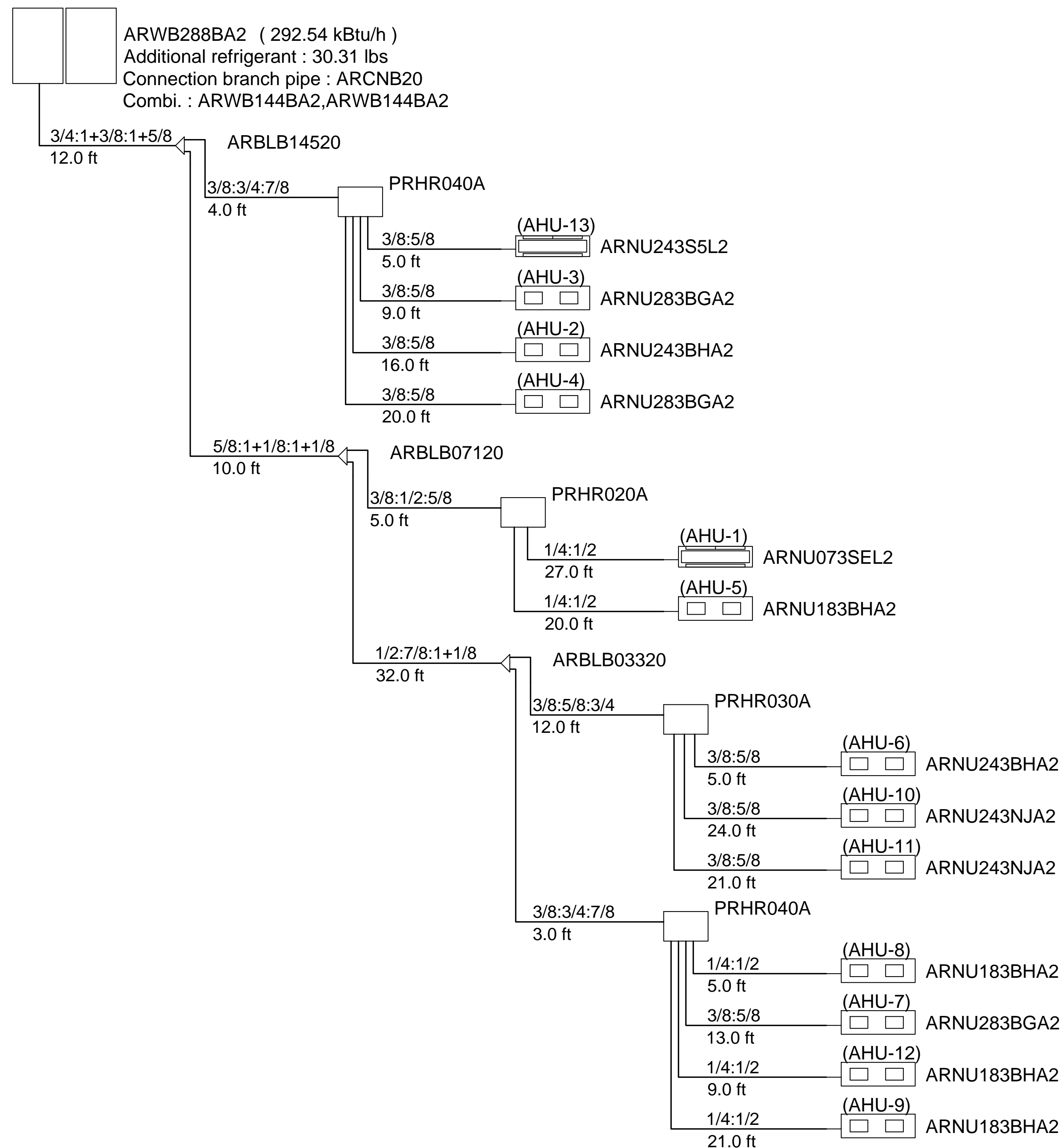
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MECHANICAL DETAILS
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SHEET 4 OF 5

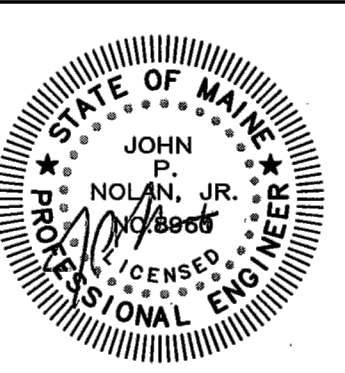


Note :
 Power wiring, breaker size, and disconnects shall follow local code or NEC
 Multi-frame outdoor unit models require a separate power connection for each frame.
 Refer to the most current submittal sheets for applicable electrical data.

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MECHANICAL DETAILS
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