

[illegible]

CLIENT

**Montebello Realty
GP LLC**

**Montebello Crossing,
250 Lafayette Avenue
(Route 59)
Village of Montebello
New York**

HVAC: SYMBOLS, ABBREVIATIONS & NOTES

SHEET No. _____

23. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO PROVIDE ALTERATIONS AND/OR NEW CONSTRUCTION AS INDICATED ON THE DRAWINGS AND IN THE SPECIFICATIONS TO PROVIDE COMPLETE NEW SYSTEMS IN EVERY RESPECT, CAPABLE OF OPERATING AS DESIGNED. IT IS NOT INTENDED THAT EVERY FITTING, MINOR DETAIL OR FEATURE BE SHOWN ON DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DETAIL NECESSARY FOR COMPLETION OF THESE SYSTEMS IN ACCORDANCE WITH GOOD PRACTICE.

1. PLACEMENT OF GAS TRANSMISSION AND DISTRIBUTION LINES WITHIN CERTAIN DISTANCES OF SCHOOL BUILDINGS IS REGULATED BY THE PUBLIC SERVICE COMMISSION. CODES, RULES & REGULATIONS NYCRR PART 255 AND BY THE FEDERAL DEPARTMENT OF TRANSPORTATION, PART 192.
2. GAS PRESSURE WITHIN BUILDING SHALL NOT EXCEED 1/2 PSI. PRIOR TO CONNECTION TO GAS SERVICE, ALL INDOOR ABOVE GROUND GAS PIPING (NOT COATED OR WRAPPED) SHALL BE TESTED WITH AIR PRESSURE AT 15 PSIG FOR A PERIOD OF 1 HOUR WITH NO LOSS IN PRESSURE. ALL COATED OR WRAPPED GAS PIPING SHALL BE TESTED AT AIR PRESSURE AT 100 PSIG FOR A MINIMUM OF 1 HOUR WITH NO LOSS IN PRESSURE.
3. COORDINATE INSTALLATION AND FINAL CONNECTION OF GAS LINES WITH KITCHEN CONTRACTOR & G.C.
4. ALL GAS PIPING SHALL BE IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES, AS WELL AS NFPA-54.
5. GAS PIPING UNDER SLABS, AND CROSSING CORRIDORS SHALL HAVE GAS TIGHT VENTED SLEEVES. (VENTED DIRECTLY AND INDEPENDENTLY TO THE OUTDOORS).
6. RELIEF VALVES AND NORMALLY OPEN VALVE VENTS SHALL BE VENTED DIRECTLY AND INDEPENDENTLY TO THE OUTDOORS.
7. PRESSURE REGULATING & OVER PRESSURE PROTECTION DEVICES LOCATED OUTSIDE SCHOOL BUILDINGS SHALL ENCLOSED IN A CABINET OR FENCED OUTSIDE AREA OF DURABLE STRUCTURAL MATERIALS WHICH WILL WITHSTAND ANY LOADS TO WHICH THEY MAY BE SUBJECTED.
8. ALL GAS PIPING 3" & LARGER SHALL HAVE WELDED FITTINGS & CONNECTIONS. ALL GAS PIPING 2" & SMALLER SHALL HAVE GAS-TIGHT THREADED CONNECTIONS w/ THREAD SEALANT APPROVED FOR NATURAL GAS SERVICE.
9. CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS FOR THE INSTALLATION OF THE NEW NATURAL GAS SERVICE TO BLDG. w/ LOCAL UTILITIES. APPROXIMATELY THREE (3) WEEKS PRIOR TO START OF WORK, ALL GAS PIPING FROM MAIN UNDER STREET UP TO AND INCLUDING METER AT BLDG. SHALL BE BY PLUMBING CONTRACTOR AS PER O&M REQUIREMENTS. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL GAS PIPING FROM METER TO METER OUTLET TO THROUGHOUT BLDG. AS PER PLANS, SPECIFICATIONS, NYS FUEL GAS CODE, NFPA-54, LOCAL CODES, AS WELL AS UTILITY COMPANY REQUIREMENTS. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SCHEDULED INSPECTIONS w/ SITE CONTRACTOR. PERMITS REQUIRED & PAY ALL FEES.
10. ALL GAS PIPING PASSING THROUGH MASONRY WALLS SHALL BE SLEAVED w/ SCH. 80 PVC.
11. COORDINATE INSTALLATION OF GAS PIPING w/ ALL OTHER TRADES PRIOR TO INSTALLATION.

	DIRECTION OF FLOW
	ANCHOR
	PIPE GUIDE
	REDUCER OR INCREASER
	ECCENTRIC REDUCER
	TOP CONNECTION, 45° OR 90°
	BOTTOM CONNECTION, 45° OR 90°
	SIDE CONNECTION
	CAPPED OUTLET
	PIPE DOWN TURN
	PIPE RISE
	UNION
	DIRECTION OF PIPE PITCH (DOWN)

	POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
	POINT OF DISCONNECT
	INDICATES SECTION LETTER
	INDICATES DRAWING NUMBER WHERE LOCATED
	INDICATES TYPE OF AIR OUTLET
	INDICATES AIR FLOW REQUIREMENTS
	ADJUSTABLE ANGLE THERMOMETER
	DIAL THERMOMETER
	PRESSURE GAUGE WITH NEEDLE VALVE
	MILL WOUND THERMOSTAT
	'A' DESIGNATES COMPONENT SERVED
	TEMPERATURE SENSOR
	PUMP
	DUCT SMOKE DETECTOR
	FAN SWITCH WITH PILOT LIGHT
	DOOR UNDERCUT (BY G.C.)
	LOUVERED DOOR (BY G.C.)

AC	AIR CONDITIONING UNIT	GPM	GALLONS PER MINUTE
ACT	ACOUSTIC CEILING TILE	H/C	HVAC CONTRACTOR
ACCU	AIR COOLED CONDENSING UNIT	HEPA	HEPA FILTER
AD	ACCESS DOOR	HP	HORSEPOWER
AF	AFTER FILTER	HRP	HORSEPOWER RADIANT CEILING PANEL
AFF	ABOVE FINISHED FLOOR	HV	HEATING AND VENTILATING UNIT
AFM	AIR FLOW MEASURING DEVICE	IV	INLET VANES
AHU	AIR HANDLING UNIT	LCD	LINEAR CEILING DIFFUSER
A.L.O.	AUTOMATIC LOUVER DAMPER (PNEUMATIC)	LF	LINEAR LOW FLOW DIFFUSER
AO	ACCESS PANEL	LF	LINEAR FEET
BDD	BACK DRAFT DAMPER	LPG	LP GAS PIPING
BG	BOTTOM GRILLE (WALL TYPE)	LPR	LOW PRESSURE STEAM CONDENSATE
BR	BOTTOM REGISTER (WALL TYPE)	LPS	LOW PRESSURE STEAM
BTUH	BRITISH THERMAL UNITS/HOUR	LBS/HR	POUNDS PER HOUR
CC	COILING COIL	MIXING BOX	MIXING BOX
CD	CEILING DIFFUSER	MD	MOTORIZED DAMPER
CFM	CUBIC FEET PER MINUTE	ME	MECHANICAL EQUIPMENT ROOM
CG	CEILING GRILLE	MAX.	MAXIMUM
CLG	CEILING	MBH	ONE THOUSAND BTUH
CO	CLEAN OUT	MIN.	MINIMUM
CP	CONDENSATE PUMP	NOM.	NOMINAL
CR	CEILING REGISTER	OA	OUTSIDE AIR
CUH	CABINET UNIT HEATER	P	PUMP
CW	COLD WATER	P.C.	PLUMBING CONTRACTOR
D	DRAIN	PD	PRESSURE DROP (FEET OF WATER)
Db	DRY BULB TEMPERATURE, °F	PF	PREFILTER
dB	DECIBELS	PPG	PROPYLENE GLYCOL-WATER SOLUTION
DN	DOWN	PRH	PREHEAT
DP	DIFFERENTIAL PRESSURE	PRV	PRESSURE REDUCING VALVE
Dp	DEW POINT TEMPERATURE, °F	PSI	POUNDS PER SQUARE IN.
DS	DUCT SMOKE DETECTOR	RA	RETURN AIR
DX	DIRECT EXPANSION	RF	RETURN FAN
E	EXHAUST AIR	RHC	REHEAT COIL
EAT	ENTERING AIR TEMP	RH	RELATIVE HUMIDITY
E.C.	ELECTRICAL CONTRACTOR	RPRZ	REDUCED PRESSURE ZONE
ECC	ENGINEERING CONTROL CENTER	SA	SUPPLY AIR
EER	ENERGY EFFICIENCY RATIO	SD	SMOKE DAMPER
EFS	EXHAUST FAN	Sp. Gr.	SPECIFIC GRAVITY
EGW	ETHYLENE GLYCOL-WATER SOLUTION	SH	STEAM HUMIDIFIER
EMD	END OF MAIN DRIP (STEAM)	SP	STATIC PRESSURE
ERC	ENERGY RECOVERY COIL	SPL	SPLITTER DAMPER
ERT	ELECTRIC RADIANT CEILING PANEL	S.P.S.	STATIC PRESSURE SENSOR
ET	EXPANSION TANK	S.S.	STAINLESS STEEL
EUH	EXHAUST UNIT HEATER	TG	TOP GRILLE (WALL TYPE)
EXIST	EXISTING	TR	TROU REGISTER (WALL TYPE)
F.A.I.	FRESH AIR INTAKE	TRU	THRU WALL UNIT
FC	FLEXIBLE CONNECTION	UH	UNIT HEATER
FCU	FAN COIL UNIT	U.N.O.	UNLESS NOTED OTHERWISE
FD	FIRE DAMPER	UV	UNIT VENTILATOR
FLR	FLOOR	V	VALVE
F.O.R.	FUEL OIL RETURN	VO	VOLUME DAMPER
F.O.S.	FUEL OIL SUPPLY	VE	VOLUME EXTRACTOR
FPC	FIRE PROTECTION CONTRACTOR	VI	VIBRATION ISOLATOR
F/SO	COMBINATION FIRE/SMOKE DAMPER	VF	VERIFY IN FIELD
FR	FIN TUBE RADIATION	WF	WET BULB TEMPERATURE, °F
GA	NATURAL GAS PIPE	WFM	WATER FLOW MEASURING DEVICE
G.C.	GENERAL CONTRACTOR	WMS	WIRE MESH SCREEN
GH	GRAVITY HOOD		

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www.fellp.com

Project #: 15-345A

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GP LLC**

**Braemar at Montebello Assisted
Living Residence**

**Montebello Crossing,
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New York**

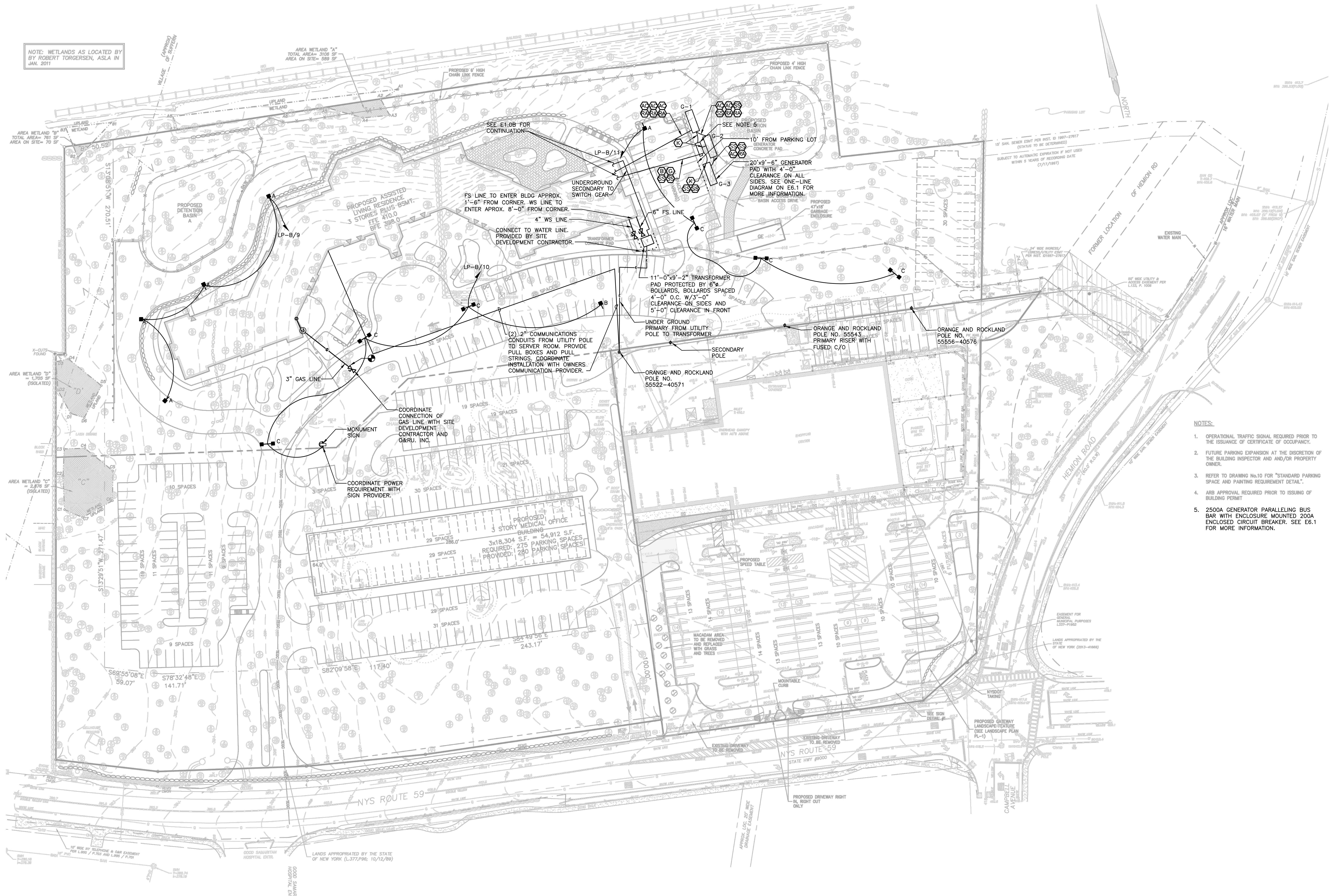
CONTRACT

ISSUE FOR BID

SHEET TITLE

**MEP:
SITE PLAN**

MEP.1



1 MEP SITE PLAN
SCALE: 1"=40'

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CONTRACT

ISSUE FOR BID

HVAC PARTIAL BASEMENT FLOOR DUCT & DIFFUSER PLAN - AREA A

No. **H2.0A**

SHEET No. _____
OF _____



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

H2architects
+
engineers

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MARK	DATE	DESCRIPTION
	01/24/20	FINAL BID / PERMIT
	04/15/22	90% V.E. SUBMISSION
	06/3/22	ISSUE FOR BID

A	A.8	B	C

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DATE: 11/15/19

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CONTRACT

STATUS
ISSUE FOR BID

SHEET TITLE
**HVAC PARTIAL FIRST
FLOOR DUCT & DIFFUSER
PLAN - AREA A**

DRAWING No.
H2.1A

SHEET No.
OF

1 HVAC FIRST FLOOR DUCT & DIFFUSER PLAN - PART A
SCALE: 1/8" = 1'-0"

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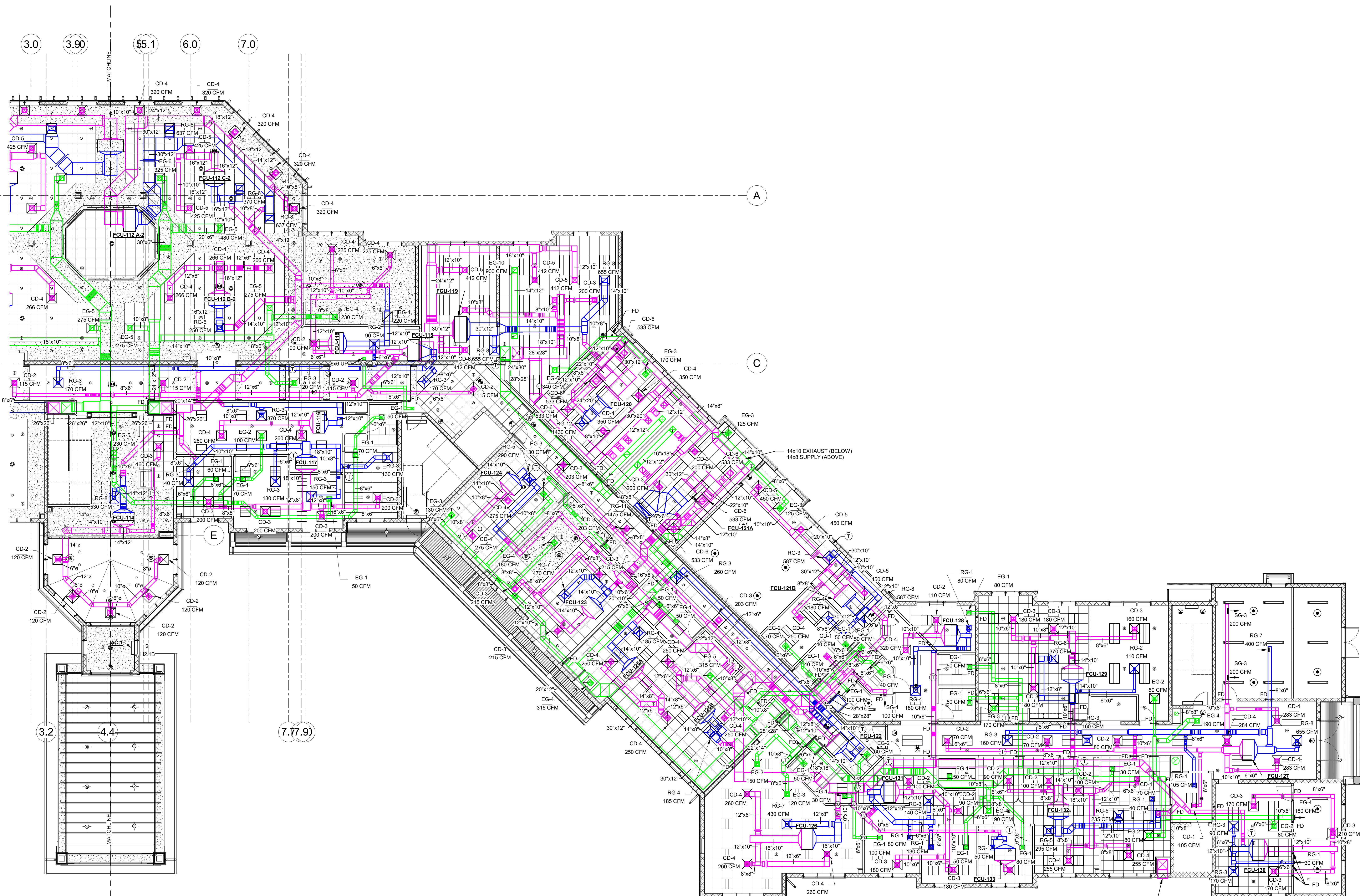
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ISSUE FOR BID

HVAC PARTIAL FIRST FLOOR DUCT & DIFFUSER PLAN - AREA B

H2.1B

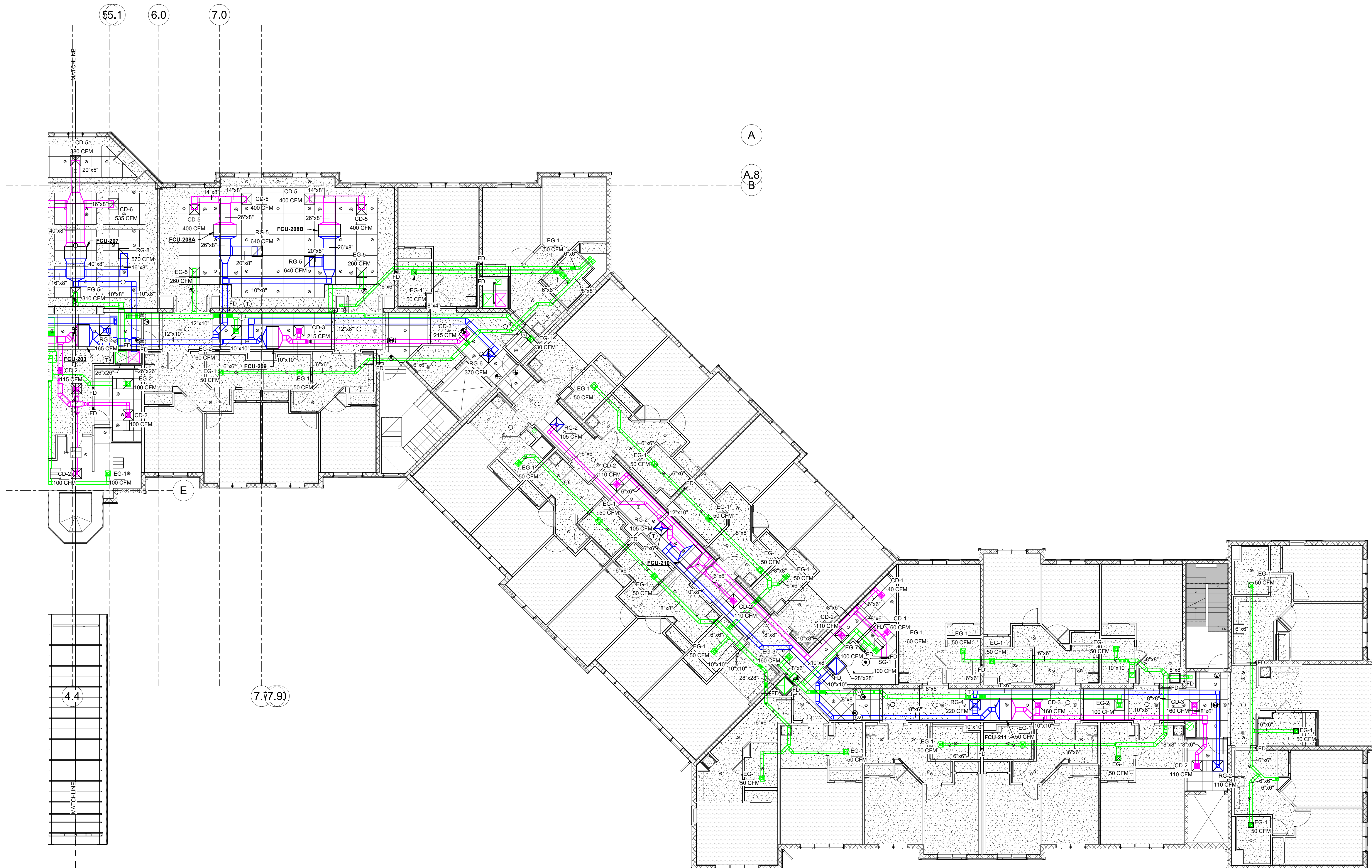
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OF _____



1 HVAC FIRST FLOOR DUCT & DIFFUSER PLAN - PART B
SCALE: 1/8" = 1'-0"

24"x24" DRYER MAKE-UP
DUCT FROM BASEMENT UP
TO CEILING TO PENETRATE
EXTERIOR WALL WITHIN
1HR. RATED ENCLOSURE.





1 HVAC SECOND FLOOR DUCT & DIFFUSER PLAN - PART B
SCALE: 1/8" = 1'-0"

H2architects
+
engineers

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	04/15/22	90% V.E. SUBMISSION
	06/3/22	ISSUE FOR BID

CORR.
4014

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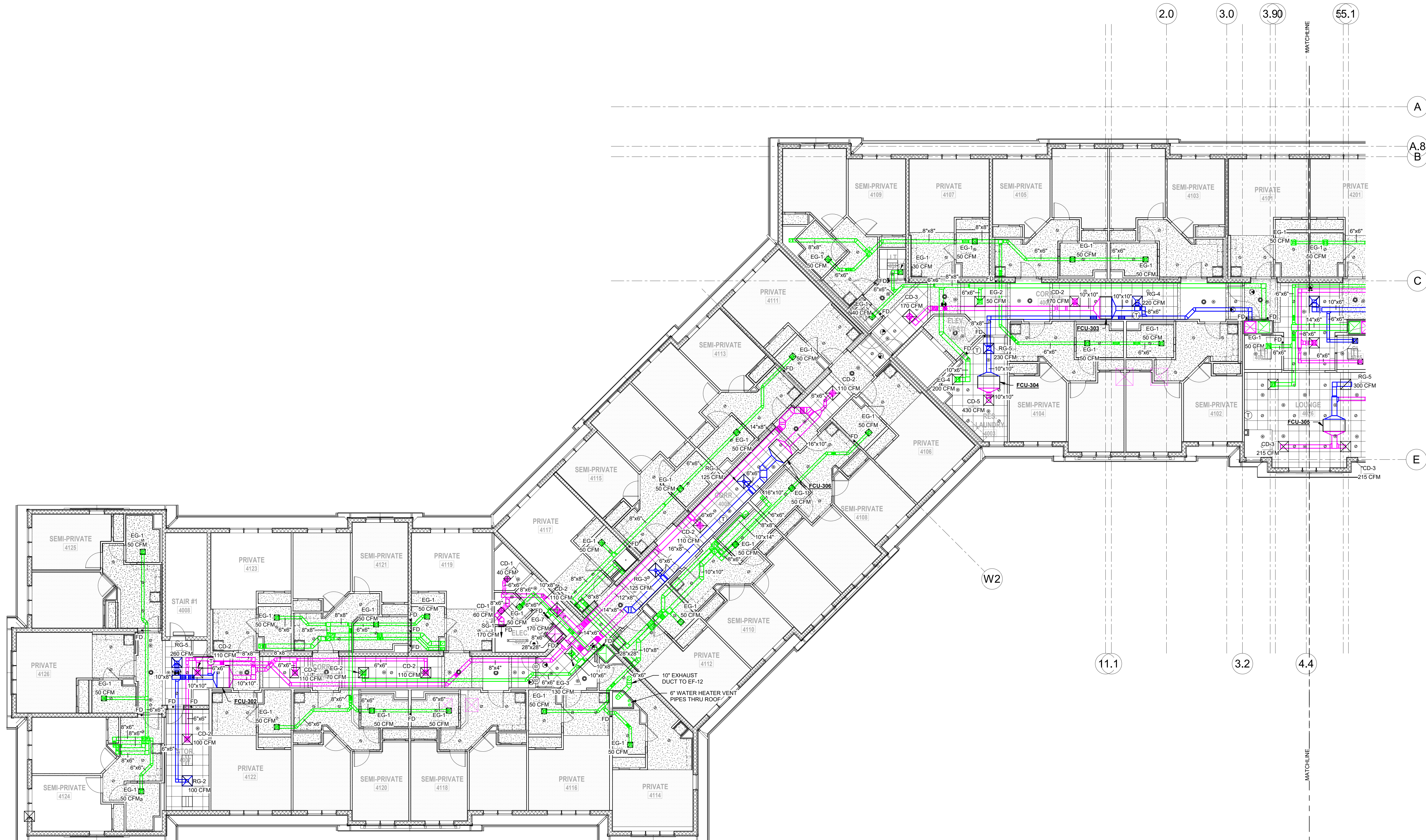
SHEET TITLE
**HVAC PARTIAL THIRD
FLOOR DUCT & DIFFUSER
PLAN - AREA A**

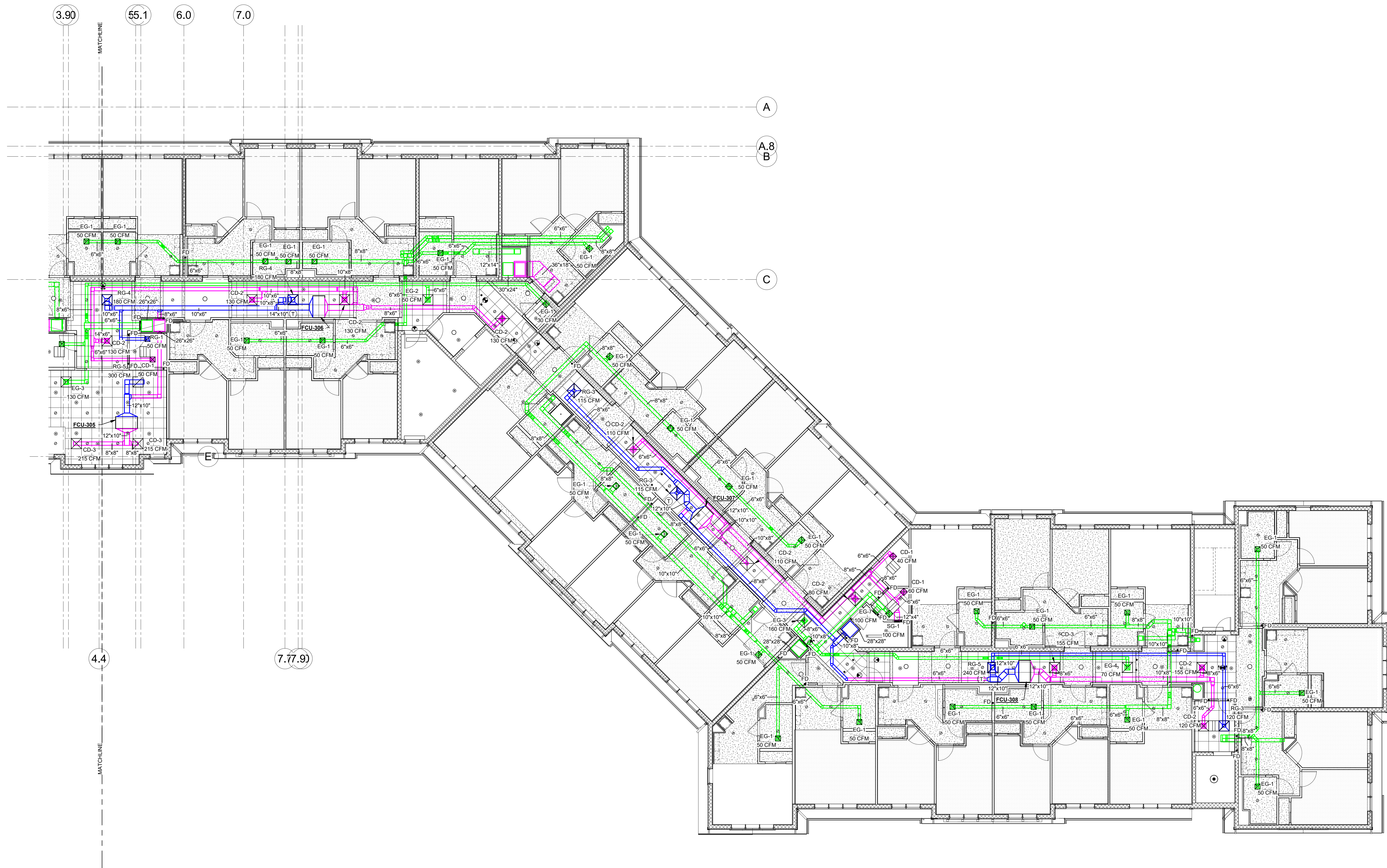
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SHEET No.
OF

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1 HVAC THIRD FLOOR DUCT & DIFFUSER PLAN - PART B

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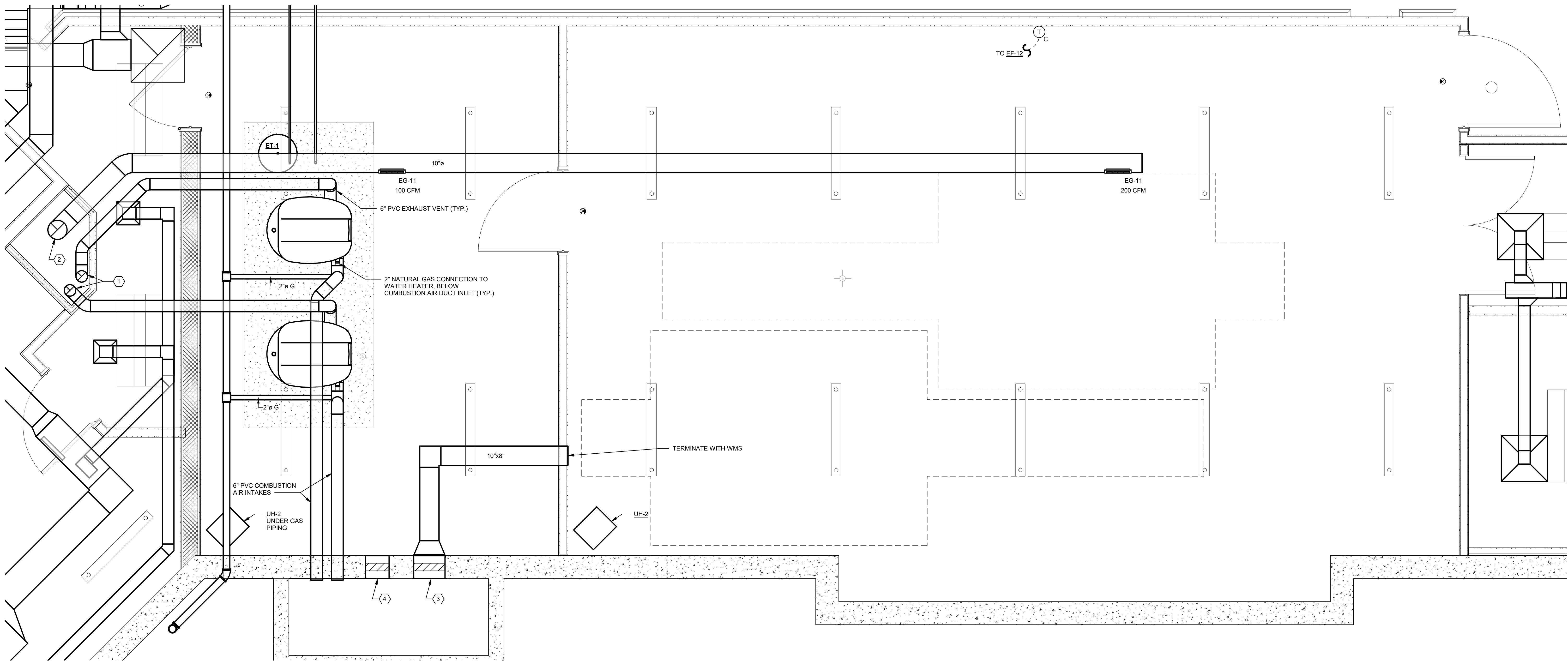
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HVAC WATER HEATER & MECHANICAL ROOM ENLARGED PLAN

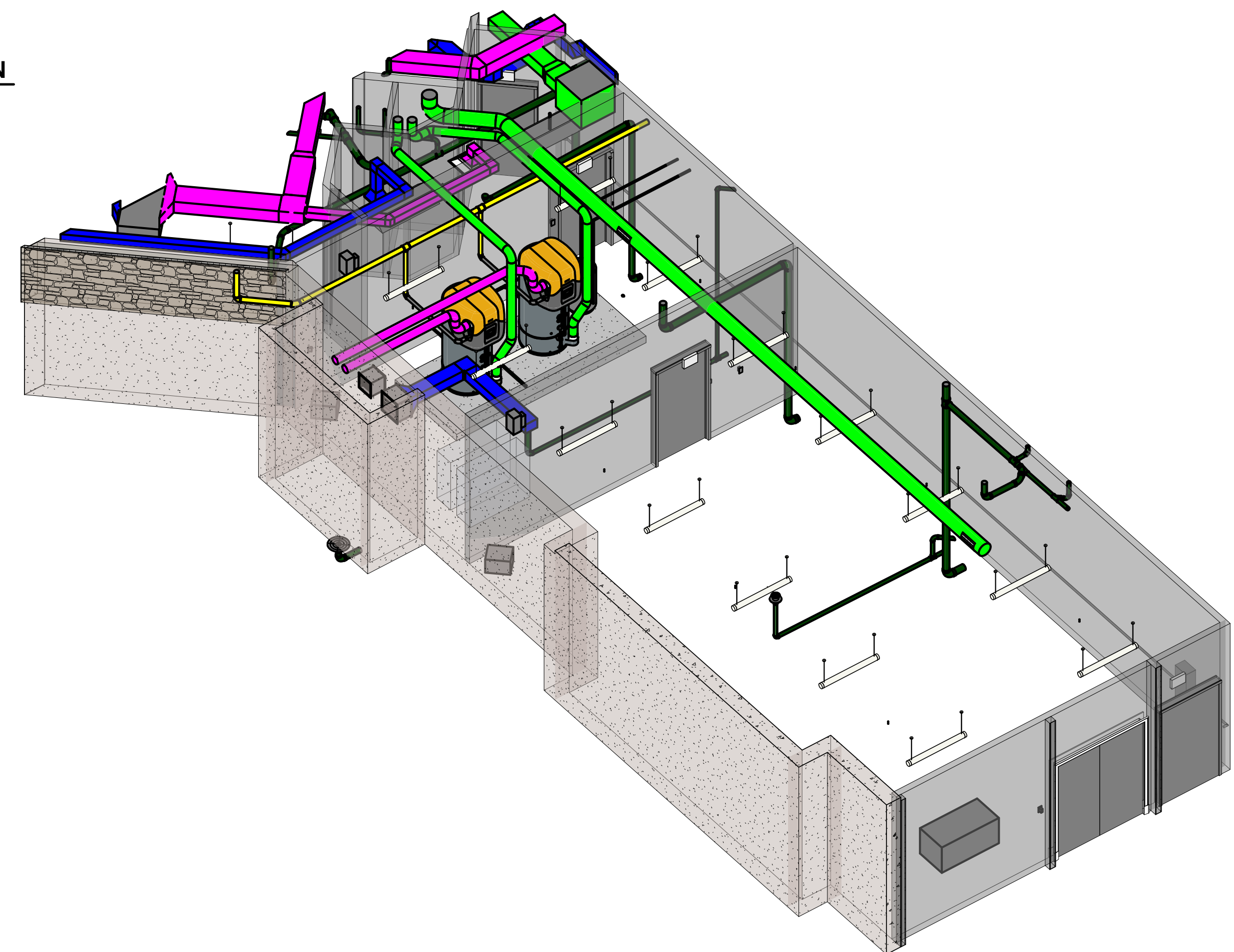
H4.1

HEET No. _____
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- ① 6" Ø VENTS FROM HOT WATER HEATERS TO BE ROUTED THROUGH CHASE TO TERMINATION CAP ON ROOF. TRANSITION FROM PVC TO HEATFAB SAF-T (AL29-4C) BEFORE VENTS ENTER CHASE.
- ② 10" EXHAUST DUCT TO BE ROUTED THROUGH CHASE TO EF-12 ON ROOF.
- ③ 16"X16" OUTDOOR AIR INTAKE LOUVER WITH MOTORIZED DAMPER FOR MECHANICAL ROOM VENTILATION (L-1). INTERLOCK WITH EF-12 ON ROOF.
- ④ 12"X12" OUTDOOR AIR INTAKE LOUVER WITH MOTORIZED DAMPER FOR WATER HEATER ROOM VENTILATION (L-2). INTERLOCK WITH EF-12 ON ROOF.

1 HVAC WATER HEATER & MECHANICAL ROOM ENLARGED PLAN



② CHILLER & BOILER ROOM 3D VIEW

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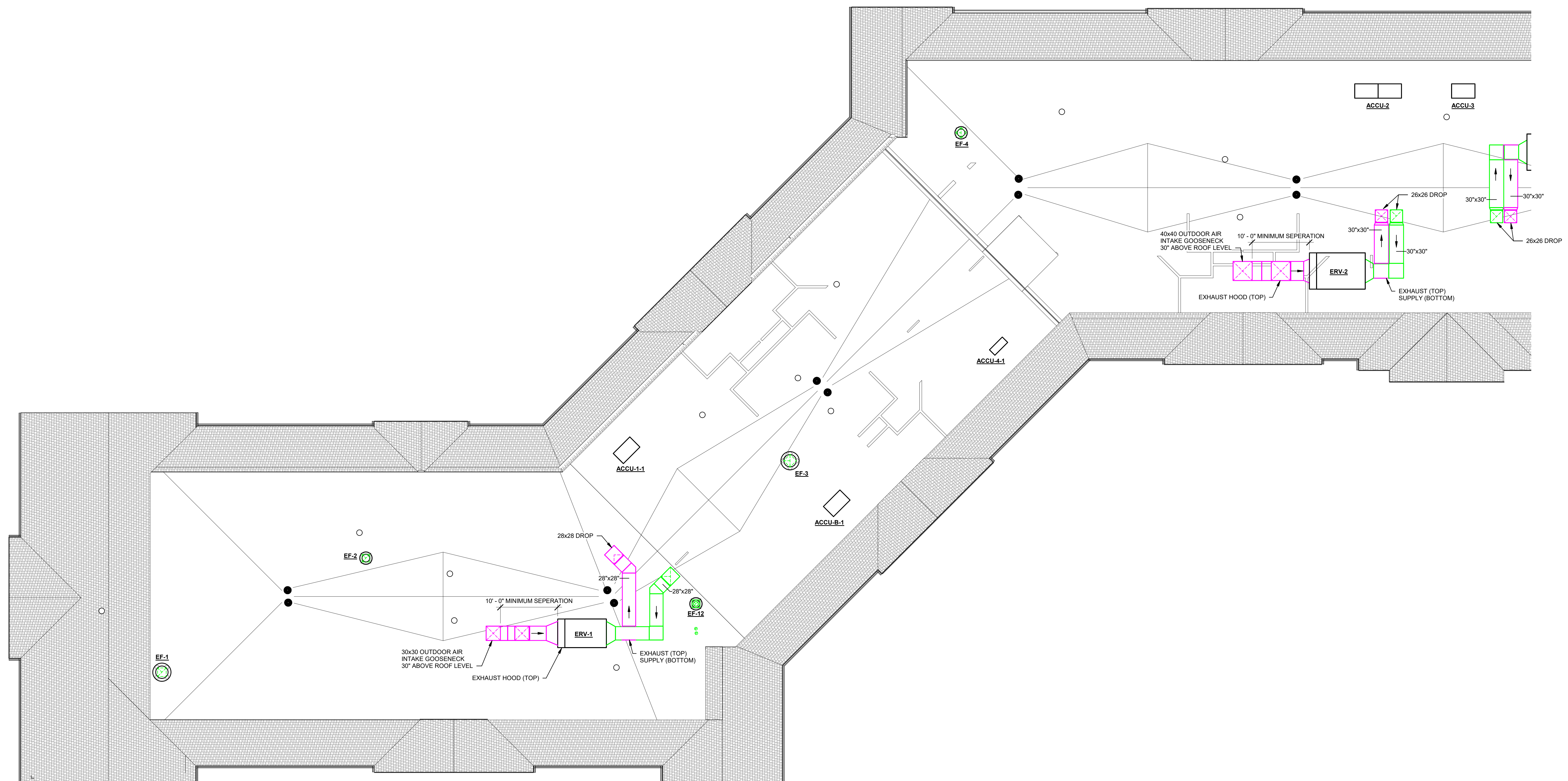
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STATUS	ISSUE FOR BID
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SHEET TITLE

**HVAC ROOF PLAN -
AREA A**

DRAWING No.	H4.1A	SHEET No.	OF
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1 HVAC ROOF PLAN - PART A
SCALE: 1/8" = 1'-0"

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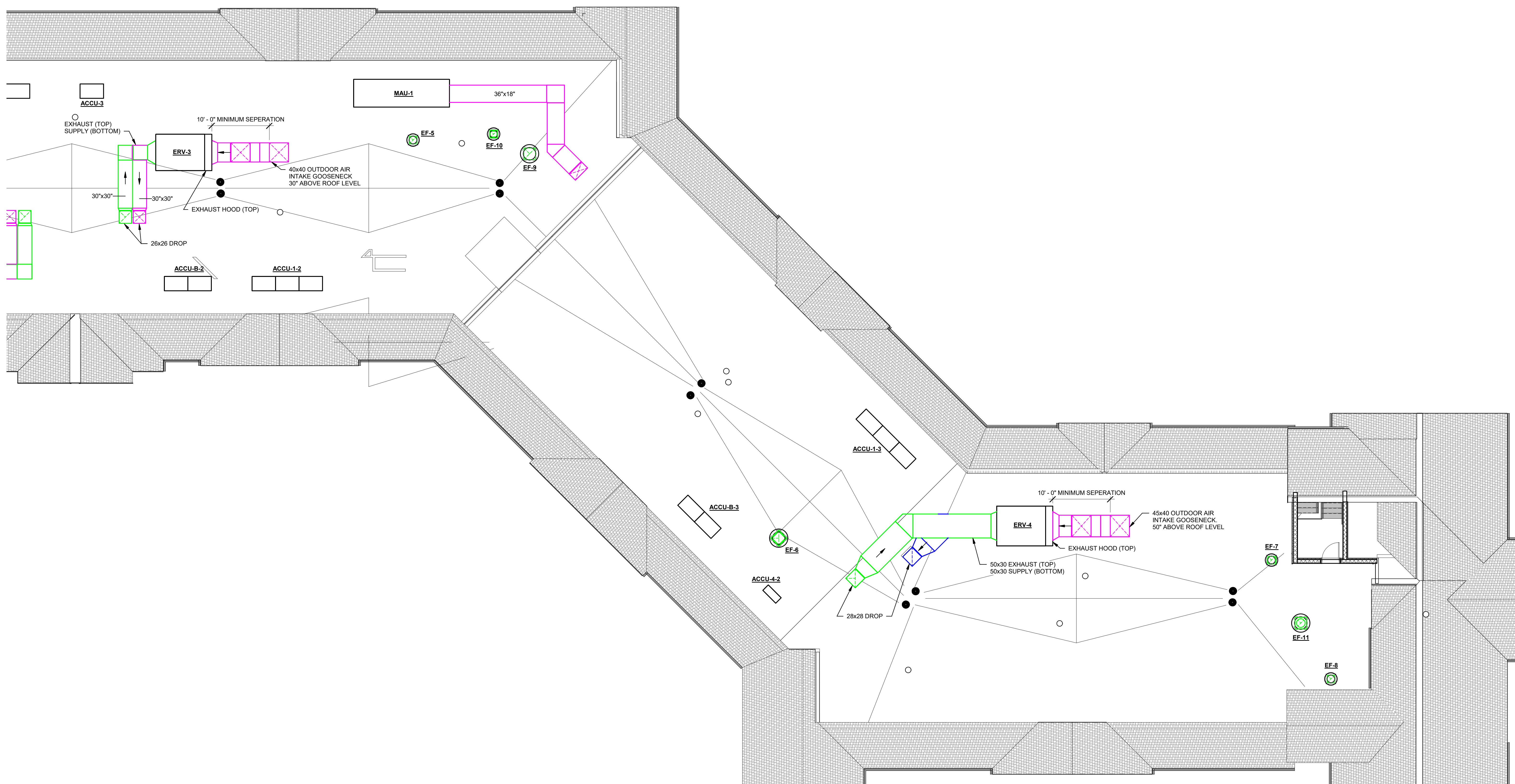
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HVAC ROOF PLAN -
AREA B

H4.1B

SHEET No. _____ OF _____



1 HVAC ROOF PLAN - PART B
SCALE: 1/8" = 1'-0"

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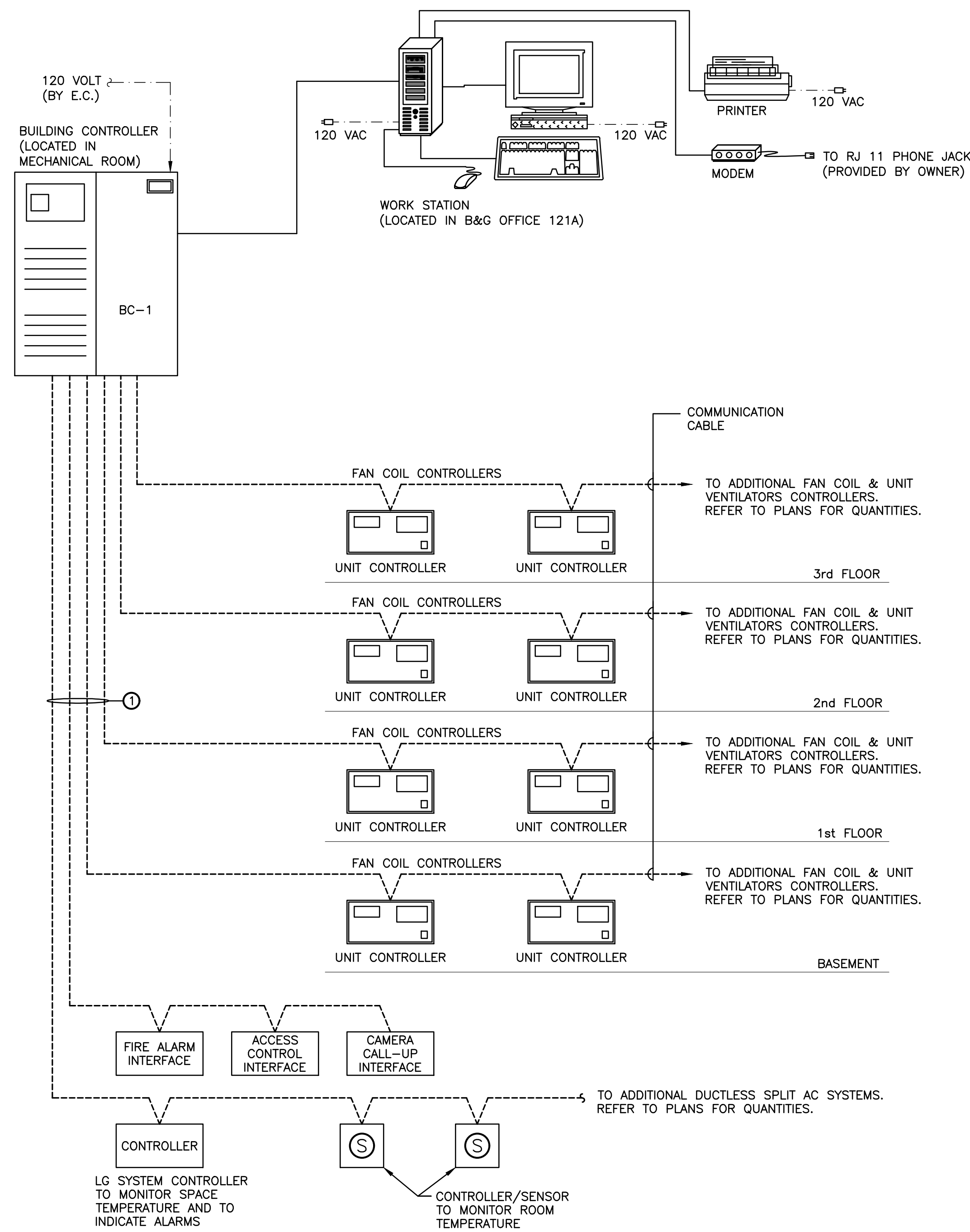
KEYED NOTES:

① CONTROL WIRING PROVIDED AND INSTALLED BY HVAC CONTRACTOR.

--- WORK DONE BY ELECTRICAL CONTRACTOR (E.C.)

REFER TO SPECIFICATIONS FOR CONTROL POINTS AND SEQUENCE OF OPERATION.

----- CONTROL WIRING BY HVAC CONTRACTOR

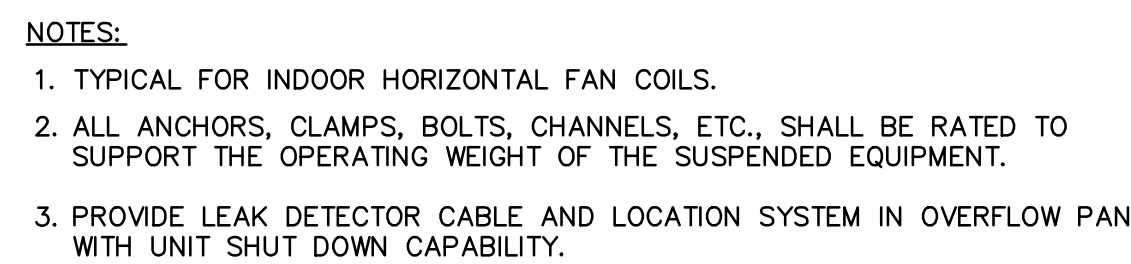


1 SYSTEM ARCHITECTURE ONE-LINE DIAGRAM
N.T.S.

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H7.2 

3. ALL INTERIOR BLACK IRON EXHAUST DUCTWORK SHALL BE SUPPORTED AT 6FT. INTERVALS MIN.

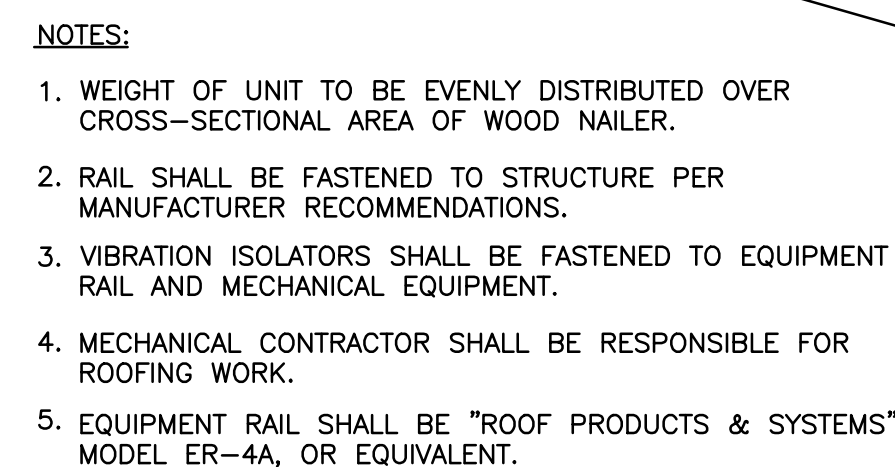
AIR SPLIT DUCT TAKE-OFF
FOR CFM C>25% OF A

NOTES:

1. SEAL ALL DUCTWALL PENETRATIONS AT POINTS OF SUPPORT ATTACHMENT AND REINFORCEMENT ATTACHMENT.
2. WATERPROOF ALL SEAMS AND JOINTS IN DUCTS.

NOTES: TRAPEZE HANGER SPACING SHALL BE BASED ON SPACING OF SMALLEST PIPE ON TRAPEZE.
TRAPEZE SHALL BE DESIGNED WITH A FACTOR OF 5 FOR CENTER OF SPAN CONCENTRATED LOAD

File Name: F:\2015\15-345A NEW ASSISTED LIVING RESIDENCE\H7.2.dwg (Layout: Layout1)
Date: Fri, Jun 03, 2022 - 2:19 PM (Name: ah)



- NOTES:**
1. ATC TO INTERFACE WITH UNIT MANUFACTURERS FURNISHED ENERGY WHEEL CONTROLS.
 2. 24V DUCT SMOKE DAMPER FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR, WIRED BY DIV. 26500 AND DUCT SMOKE DETECTOR FURNISHED, INSTALLED AND WIRED BY DIV. 26000.
 3. AIR FLOW MEASUREMENT STATION FURNISHED BY UNIT MANUFACTURER WITH OUTPUT SIGNAL INTERFACE CAPABILITY TO ATC.
 4. FURNISHED BY UNIT MANUFACTURER.
 5. CONTROLLER PROVIDED BY ATC.
 6. CONTRACTOR SHALL REFER TO EQUIPMENT SCHEDULE SHEET & FLOOR PLANS FOR QUANTITIES OF UNITS.
 7. ALL CONTROL WIRING BY HVAC.





DOMESTIC HOT WATER DISTRIBUTION	INPUTS		WATER HEATERS 1A & 1B
	ANALOG	DISCRETE	
MECHANICAL ROOM PIPING	TEMPERATURE	ALARM (HIGH TEMP)	A.O. SMITH 87HS-1000A, REMOVE VIEWING APP. FOR STANDARD OUTPUTS FAULT NOTIFICATIONS.
HIGH TEMP DOMESTIC HOT WATER	●	●	
DOMESTIC HOT WATER	●	●	

BAS NOTES, BAS CONTROLS WIRING AND INSTALLATION NOTES

1. FIRE-ALARM AND FREEZE-STAT SAFETIES MUCH BE WIRING IN VFD AND MOTOR STARTER FOR ALARM SHUT-DOWN
2. LOW -VOLTAGE CONTROL RELAYS ARE REQUIRED FOR ANY MOTOR CONTROL CIRCUIT ABOVE 24V
3. MULTIPLE PAIRS OF CONTROL WIRING ARE REQUIRED WHEN CONTROLLING MULTI-SPEED FANS
4. INSTALL AND WIRE SENSORS IN QUANTITIES LISTED AND AS INDICATED ON THE PROJECT PLANS. IF TOTAL QUANTITY NOT INDICATED ON DRAWINGS, LOCATION SHALL BE DETERMINED BY FIELD DIRECTIVE
5. PANEL LOCATIONS CAN BE IN CLOSE PROXIMITY, LESS THAN 10 FEET. COORDINATE PANEL LOCATIONS IN THE FIELD WITH DISTRICT I/P PERSONNEL. DIVISION 230900 SHALL PROVIDE 1/8" MIP/ COMM. BOARDS FOR INTERFACE WITH DISTRICT CAMERA SYSTEM. PROVIDE MOXA E2210 ETHERNET I/O OR APPROVED EQUAL.

CONTROLS WIRING LEGEND

—//— CONTROL WIRING PAIR, TWISTED PAIR OR MULTI-CONDUCTOR CABLE

24 AWG TWISTED, SHIELDED, LOW-CAPACITANCE BASE
COMMUNICATION WIRING

CSR SPLIT CORE CURRENT SENSOR

X	CONTROL DEVICE OR SENSOR WIRED AND INSTALLED, INCLUDING 24VAC POWER WIRING. "X" CAN INDICATE; T-TEMPERATURE CO -CARBON MONOXIDE COMB - COMBUSTIBLE GAS SENSOR REF - REFRIGERANT LEAK SENSOR LS - LIMIT SWITCH, LEVEL SWITCH FS - FLOW SWITCH ES - END SWITCH LEAK - LEAK SENSOR OR LEAK MODULE CO2 - CARBON DIOXIDE SENSOR
---	--

 MOTOR STARTER OR MOTOR START CIRCUIT

VFD VARIABLE FREQUENCY DRIVE

 DAMPER MOTOR

C CONTACTOR

BAS-CP	BUILDING AUTOMATION SYSTEM CONTROL PANEL, MOUNTED BY DIVISION 230900 WITH BAS COMMUNICATION WIRING BY 230900.
--------	---

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PROJECT No: FILB 1501	DATE: 11/15/19	SCALE: AS SHOWN	

CLIENT

**Montebello Realty
GP LLC**

Braemar at Montebello Assisted Living Residence

**Montebello Crossing,
250 Lafayette Avenue
(Route 59)
Village of Montebello
New York**

CONTRACT

ISSUE FOR BID

SHEET TITLE

HVAC: DETAILS

DRAWING NO.

H7.4

SHEET No.

OF



File Name: F:\2014\5-24\5A NEW ASSISTED LIVING RESIDENCE\HG.2.dwg (Layout: H8.2)
Date: Fri Jun 03, 2022 - 2:20 PM (Name: ah)

Fan Coil Unit Schedule																				
Unit No.	Location	CFM		Fan Data		Corrected Cooling Capacity (MBH)		Cooling Air Data		Cooling Coil Data		Corrected Heating Capacity (MBH)	Heating Air Data		Filter Data		Electrical Data		LG Model #	Remarks
		Total	Min. O.A	Drive	Motor Qty.	Total	Sensible	EAT (°F)	LAT (°F)	Fluid	EAT (°F)		LAT (°F)	Type	Volt/PH	MCA				
Basement																				
FCU B01	Room 1021	600	200	Direct	1	19.4	15.8	77.00	52.5	R410A	26.8	63.3333	105.2	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU B02	Room 1017	680	110	Direct	1	22	17.9	75.97	52.5	R410A	29.4	66.7647	105.2	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU B03	Room 1018	430	70	Direct	1	10.9	8.9	75.98	57.5	R410A	14.9	66.7442	96.8	3/16" Washable	208/1	2.3	ARNU183M2A4		MAX. ESP =0.7	
FCU B04	Room 1016	760	360	Direct	1	24.5	19.6	77.84	53.1	R410A	33.0	60.5263	101.9	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU B05	Room 1007	595	100	Direct	1	18.8	15.5	76.01	52	R410A	25.5	66.6387	106.2	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU B06	Room 1027	410	130	Direct	1	16.2	13.2	76.90	52.6	R410A	22.3	63.6585	105.2	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU B07	Room 1004	340	50	Direct	1	9	9.0	75.88	52.4	R410A	11.9	67.0588	96	3/16" Washable	208/1	2.3	ARNU153M2A4		MAX. ESP =0.7	
FCU B08	Room 1066	500	170	Direct	1	15.9	15.9	77.04	47.8	R410A	21.2	63.2	101.7	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU B09	Room 1067	430	90	Direct	1	10.8	10.8	76.26	53.4	R410A	14.4	65.814	95.4	3/16" Washable	208/1	2.3	ARNU183M2A4		MAX. ESP =0.7	
FCU B10	Room 1030	500	210	Direct	1	15.9	15.9	77.52	48.2	R410A	21.2	61.6	100.3	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU B11A-1	Room 1032	1600	335	Direct	1	31.8	20.6	76.26	65.4	R410A	42.2	65.8125	86.7	3/16" Washable	208/1	2.5	ARNU283M3A4		MAX. ESP =0.7	
FCU B11B-1	Room 1032	720	670	Direct	1	22.9	16.7	80.58	59.2	R410A	30.5	51.3889	98.1	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU B11C-1	Room 1032	825	335	Direct	1	26.3	17.3	77.44	58.1	R410A	34.9	61.8788	101	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU B11A-2	Room 1032	1600	335	Direct	1	31.8	34.5	76.26	65.4	R410A	42.2	65.8125	86.7	3/16" Washable	208/1	2.5	ARNU283M3A4		MAX. ESP =0.7	
FCU B11B-2	Room 1032	720	670	Direct	1	22.9	24.0	80.58	59.2	R410A	30.5	51.3889	98.1	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU B11C-2	Room 1032	825	335	Direct	1	26.3	24.0	77.44	58.1	R410A	34.9	61.8788	101	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU B12	Room 1064	875	190	Direct	1	27.9	17.2	76.30	59.7	R410A	37.0	65.6571	99.6	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU B13	Room 1034	1600	310	Direct	1	31.1	27.9	76.16	60.9	R410A	41.4	66.125	87.1	3/16" Washable	208/1	5.2	ARNU423B8A4		MAX. ESP =0.7	
FCU B14	Room 1035	645	380	Direct	1	22	17.5	78.53	53.5	R410A	29.3	58.2171	100.9	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU B15	Room 1060	338	338	Direct	1	8.2	6.4	81.00	63.6	R410A	10.1	50	86.5	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU B16	Room 1059	430	430	Direct	1	15.6	12.0	81.00	54.9	R410A	19.5	50	100.9	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU B17	Room 1051	430	430	Direct	1	15.6	12.1	81.00	54.9	R410A	19.5	50	100.9	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU B18	Room 1039	510	300	Direct	1	17.4	13.9	78.53	53.4	R410A	23.2	58.2353	100.9	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU B19	Room 1043	545	140	Direct	1	17.5	14.3	76.54	52.3	R410A	24.0	64.8624	105.5	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU B20	Room 1048	430	160	Direct	1	14.4	11.6	77.23	53.2	R410A	19.4	62.5581	101.7	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU B21	Room 1049	680	290	Direct	1	22.5	18.1	77.56	52.9	R410A	30.6	61.4706	103	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU B22	Room 1042	500	200	Direct	1	19.7	15.9	77.40	52.8	R410A	22.4	62	103.4	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU B23	Room 1046	600	230	Direct	1	19.7	15.9	77.30	52.8	R410A	26.9	62.3333	103.7	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FIRST FLOOR																				
FCU 101	Room 2012	500	60	Direct	1	12.5	10.3	75.72	57.1	R410A	17.3	67.6	98.4	3/16" Washable	208/1	2.3	ARNU183M2A4		MAX. ESP =0.7	
FCU 102	Room 2010	500	280	Direct	1	15.8	12.5	78.36	53.5	R410A	20.2	58.8	99.5	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU 103	Room 2009	425	70	Direct	1	10.8	8.8	75.99	57.5	R410A	14.7	66.7059	96.6	3/16" Washable	208/1	2.3	ARNU183M2A4		MAX. ESP =0.7	
FCU 104	Room 2010	430	170	Direct	1	14.2	11.5	77.37	52.9	R410A	18.9	62.093	102.2	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU 105	Room 2022	770	370	Direct	1	25.8	20.7	77.88	53.1	R410A	33.8	60.3896	100.9	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU 106	Room 2023	430	290	Direct	1	15.2	11.9	79.05	54.2	R410A	18.9	56.5116	99.5	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU 107	Room 2008	810	330	Direct	1	26.7	21.6	77.44	52.8	R410A	35.5	61.8519	102.4	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU 108	Room 2007	810	280	Direct	1	26.7	21.6	77.07	52.8	R410A	35.5	63.0864	102.4	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU 109A	Room 2005	1350	310	Direct	2	28.5	28.5	76.38	57.7	R410A	35.3	65.4074	86.8	3/16" Washable	208/1	5.2	ARNU483B8A4		MAX. ESP =0.7	
FCU 109B	Room 2005	750	250	Direct	1	23.9	17.4	77.00	55.7	R410A	29.6	63.3333	99.3	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU 110	Room 2025	700	330	Direct	1	17.6	13.1	77.83	63.7	R410A	21.8	60.5714	87.7	3/16" Washable	208/1	2.3	ARNU183M2A4		MAX. ESP =0.7	
FCU 111	Room 2029	750	250	Direct	1	18.9	13.1	77.00	64.8	R410A	23.3	63.3333	87.7	3/16" Washable	208/1	2.3	ARNU183M2A4		MAX. ESP =0.7	
FCU 112A-1	Room 2031	1600	325	Direct	2	32.4	24.0	76.22	64.6	R410A	40.1	65.9375	85.3	3/16" Washable	208/1	5.2	ARNU363B8A4		MAX. ESP =0.7	
FCU 112B-1	Room 2031	800	550	Direct	1	27.1	16.9	79.13	59.9	R410A	33.5	56.25	95.4	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU 112C-1	Room 2031	850	480	Direct	1	27.1	17.0	78.39	60.9	R410A	33.5	58.7059	95.4	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU 112A-2	Room 2031	1600	325	Direct	2	32.4	24.0	76.22	64.6	R410A	40.1	65.9375	85.3	3/16" Washable	208/1	5.2	ARNU363B8A4		MAX. ESP =0.7	
FCU 112B-2	Room 2031	800	550	Direct	1	25.5	16.9	79.13	59.9	R410A	33.5	56.25	95.4	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU 112C-2	Room 2031	850	480	Direct	1	27.1	17.0	78.39	60.9	R410A	33.5	58.7059	95.4	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU 114	Room 2002	760	230	Direct	1	18.9	13.6	76.82	61	R410A	23.3	63.9474	89.5	3/16" Washable	208/1	2.3	ARNU183M2A4		MAX. ESP =0.7	
FCU 115	Room 2033	550	120	Direct	1	17.5	17.5	76.31	47.2	R410A	21.7	65.6364	101.4	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU 116	Room 2078	520	150	Direct	1	16.6	16.6	76.73	47.6	R410A	20.5	64.2308	99.7	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU 117	Room 2078	800	250	Direct	1	20.1	13.6	76.88	61.9	R410A	24.9	63.75	90.1	3/16" Washable	208/1	2.3	ARNU183M2A4		MAX. ESP =0.7	
FCU 118	Room 2033	450	230	Direct	1	14.3	14.3	78.07	49.1	R410A	17.7	59.7778	95.4	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	
FCU 119	Room 2035	1650	340	Direct	2	34.8	31.9	76.24	59.1	R410A	43.1	65.8788	87.3	3/16" Washable	208/1	5.2	ARNU483B8A4		MAX. ESP =0.7	
FCU 120	Room 2035A	1600	170	Direct	1	32.4	20.7	75.64	65.5	R410A	44.9	67.875	88	3/16" Washable	208/1	2.5	ARNU283M3A4		MAX. ESP =0.7	
FCU 121A	Room 2035B	1600	85	Direct	1	32	12.1	75.32	64	R410A	44.4	68.9375	91.8	3/16" Washable	208/1	2.5	ARNU283M3A4		MAX. ESP =0.7	
FCU 121B	Room 2035B	1600	205	Direct	1	32	21.1	75.77	64	R410A	44.4	67.4375	91.8	3/16" Washable	208/1	2.5	ARNU283M3A4		MAX. ESP =0.7	
FCU 122	Room 2073	610	350	Direct	1	19.6	17.3	78.44	51.9	R410A	27.2	58.5246	100.9	3/16" Washable	208/1	2.3	ARNU243M2A4		MAX. ESP =0.7	

Fan Coil Unit Schedule																				
FCU 123	Room 2074	650	180	Direct	1	17.4	11.2	76.66	61.3	R410A	24.2	64.4615	97.2	3/16" Washable	208/1	2.3	ARNU153M2A4	MAX. ESP =0.7		
FCU 124	Room 2075	550	260	Direct	1	17.6	17.3	77.84	48.7	R410A	24.5	60.5455	101.6	3/16" Washable	208/1	2.3	ARNU243M2A4	MAX. ESP =0.7		
FCU 125A	Room 2069	500	315	Direct	1	16	16.0	78.78	49.2	R410A	22.3	57.4	100.1	3/16" Washable	208/1	2.3	ARNU243M2A4	MAX. ESP =0.7		
FCU 125B	Room 2069	500	315	Direct	1	16	16.0	78.78	49.2	R410A	22.3	57.4	100.1	3/16" Washable	208/1	2.3	ARNU243M2A4	MAX. ESP =0.7		
FCU 126	Room 2066	780	350	Direct	1	25	17.4	77.69	57.2	R410A	34.7	61.0256	102.1	3/16" Washable	208/1	2.3	ARNU243M2A4	MAX. ESP =0.7		
FCU 127	Room 2052	1350	190	Direct	1	27	21.0	75.84	62.1	R410A	37.4	67.1852	90.9	3/16" Washable	208/1	2.5	ARNU283M3A4	MAX. ESP =0.7		
FCU 128	Room 2043	430	210	Direct	1	13.8	13.8	77.93	48.3	R410A	19.1	60.2326	101.3	3/16" Washable	208/1	2.3	ARNU243M2A4	MAX. ESP =0.7		
FCU 129	Room 2046	690	220	Direct	1	22.5	17.5	76.91	53.8	R410A	31.2	63.6232	104.7	3/16" Washable	208/1	2.3	ARNU243M2A4	MAX. ESP =0.7		
FCU 130	Room 2054	550	260	Direct	1	17.6	17.3	77.84	48.7	R410A	24.5	60.5455	101.6	3/16" Washable	208/1	2.3	ARNU243M2A4	MAX. ESP =0.7		
FCU 131	Room 2065	550	200	Direct	1	17.6	17.4	77.18	48.4	R410A	24.5	62.7273	102.6	3/16" Washable	208/1	2.3	ARNU243M2A4	MAX. ESP =0.7		
FCU 132	Room 2060	850	300	Direct	1	27.3	17.4	77.12	58.6	R410A	37.8	62.9412	102.6	3/16" Washable	208/1	2.3	ARNU243M2A4	MAX. ESP =0.7		
FCU 133	Room 2061	338	80	Direct	1	7.1	7.1	76.42	61.9	R410A	10.0	65.2663	86.5	3/16" Washable	208/1	2.3	ARNU243M2A4	MAX. ESP =0.7		
Second Floor																				
FCU 201	Room 3006	430	70	Direct	1	10.8	8.9	75.98	57.3	R410A	14.7	66.74	97.3	3/16" Washable	208/1	2.3	ARNU183M2A4	MAX. ESP = 0.7		
FCU 202	Room 3005	600	370	Direct	1	16.9	13.5	78.70	53.3	R410A	22.7	57.67	101.1	3/16" Washable	208/1	2.3	ARNU243M2A4	MAX. ESP = 0.7		
FCU 203	Room 3002	660	330	Direct	1	22.2	17.8	78.00	53.2	R410A	29.9	60.00	101.7	3/16" Washable	208/1	2.3	ARNU243M2A4	MAX. ESP = 0.7		
FCU 204	Room 3003	430	200	Direct	1	15	11.9	77.79	53.9	R410A	19.5	60.70	100.9	3/16" Washable	208/1	2.3	ARNU243M2A4	MAX. ESP = 0.7		
FCU 205	Room 3014	640	170	Direct	1	20.6	16.8	76.59	52.4	R410A	28.3	64.69	105.5	3/16" Washable	208/1	2.3	ARNU243M2A4	MAX. ESP = 0.7		
FCU 206	Room 3015	660	210	Direct	1	22.2	17.8	76.91	53.2	R410A	29.9	63.64	101.7	3/16" Washable	208/1	2.5	ARNU243M2A4	MAX. ESP = 0.7		
FCU 207	Room 3016	1450	310	Direct	1	30.7	35.1	76.28	62.4	R410A	40.9	65.72	85.1	3/16" Washable	208/1	2.5	ARNU283M3A4	MAX. ESP = 0.7		
FCU 208A	Room 3017	800	260	Direct	1	20.1	13.6	76.95	61.9	R410A	24.9	63.50	90.1	3/16" Washable	208/1	2.3	ARNU183M2A4	MAX. ESP = 0.7		
FCU 208B	Room 3017	800	260	Direct	1	20.1	13.6	76.95	61.9	R410A	24.9	63.50	90.1	3/16" Washable	208/1	2.3	ARNU183M2A4	MAX. ESP = 0.7		
FCU 209	Room 3018	320	60	Direct	1	10.8	8.9	76.13	57.3	R410A	14.7	66.25	97.3	3/16" Washable	208/1	2.3	ARNU183M2A4	MAX. ESP = 0.7		
FCU 210	Room 3021	530	320	Direct	1	16.9	13.5	78.62	53.3	R410A	22.7	57.92	101.1	3/16" Washable	208/1	2.3	ARNU243M2A4	MAX. ESP = 0.7		
FCU 211	Room 3025	430	100	Direct	1	10.8	8.9	76.40	57.3	R410A	14.7	65.35	97.3	3/16" Washable	208/1	2.3	ARNU183M2A4	MAX. ESP = 0.7		
Third Floor																				
FCU 301	Room 4006	430	70	Direct	1	15.4	15.4	75.98	43.2	R410A	17.1	66.74	102.3	3/16" Washable	208/1	2.3	ARNU183M2A4	MAX. ESP = 0.7		
FCU 302	Room 4005	600	270	Direct	1	22.7	22.7	77.70	36.2	R410A	25.2	61.00	105.7	3/16" Washable	208/1	2.3	ARNU243M2A4	MAX. ESP = 0.7		
FCU 303	Room 4002	340	120	Direct	1	12.9	12.9	77.12	42.2	R410A	14.3	62.94	101.2	3/16" Washable	208/1	2.3	ARNU153M2A4	MAX. ESP = 0.7		
FCU 304	Room 4003	430	200	Direct	1	19.6	19.6	77.79	37.4	R410A	21.7	60.70	105.5	3/16" Washable	208/1	2.3	ARNU243M2A4	MAX. ESP = 0.7		
FCU 305	Room 4026	430	130	Direct	1	19.6	19.6	76.81	34.8	R410A	21.7	63.95	110.5	3/16" Washable	208/1	2.3	ARNU243M2A4	MAX. ESP = 0.7		
FCU 306	Room 4014	570	160	Direct	1	25.9	24.9	76.68	36.4	R410A	28.7	64.39	110.9	3/16" Washable	208/1	2.3	ARNU243M2A4	MAX. ESP = 0.7		
FCU 307	Room 4017	500	270	Direct	1	22.7	22.7	78.24	36.3	R410A	25.2	59.20	105.7	3/16" Washable	208/1	2.3	ARNU243M2A4	MAX. ESP = 0.7		
FCU 308	Room 4021	320	70	Direct	1	15.4	15.4	76.31	43.2	R410A	17.1	65.63	102.3	3/16" Washable	208/1	2.3	ARNU183M2A4	MAX. ESP =0.7		