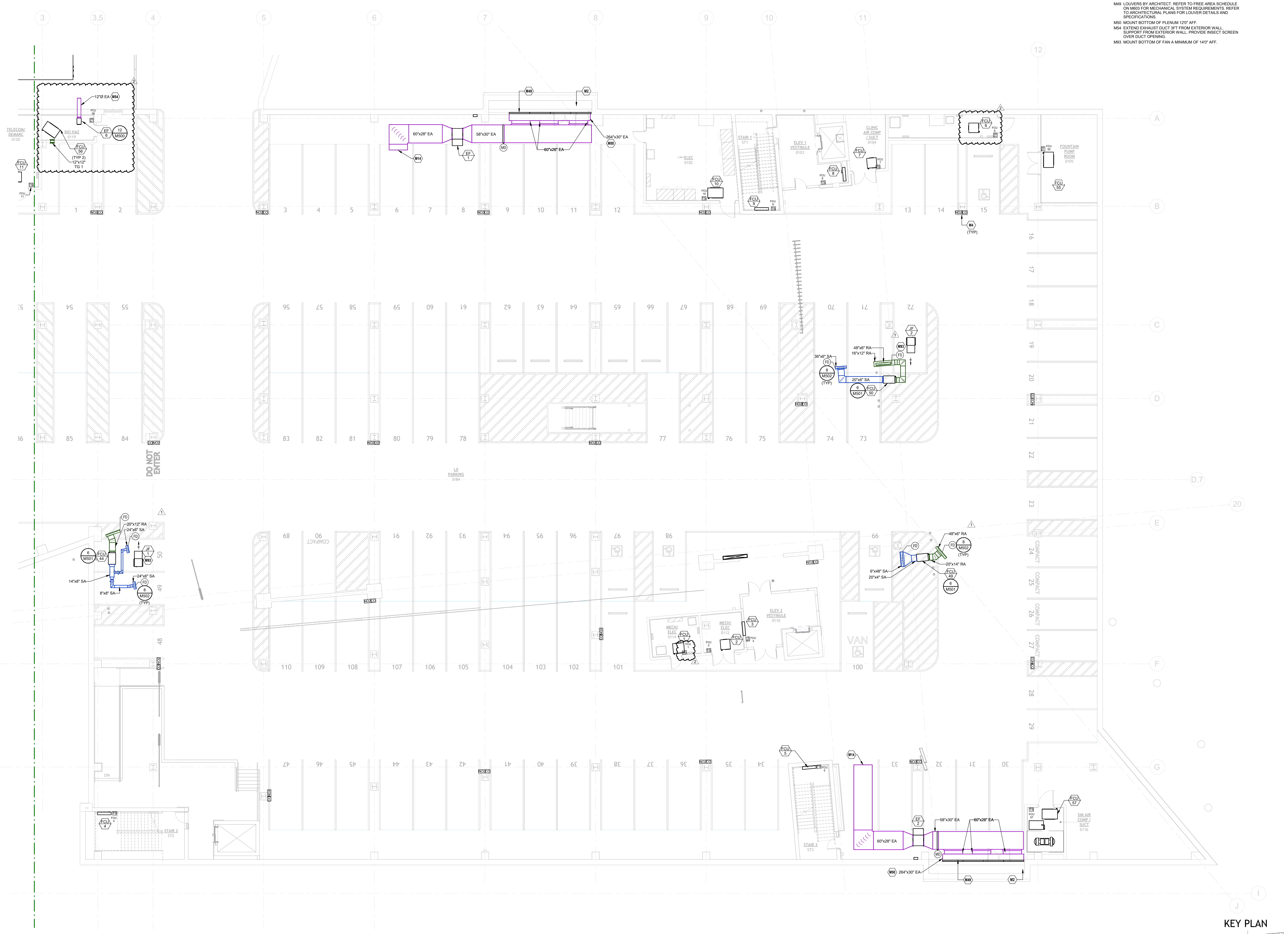
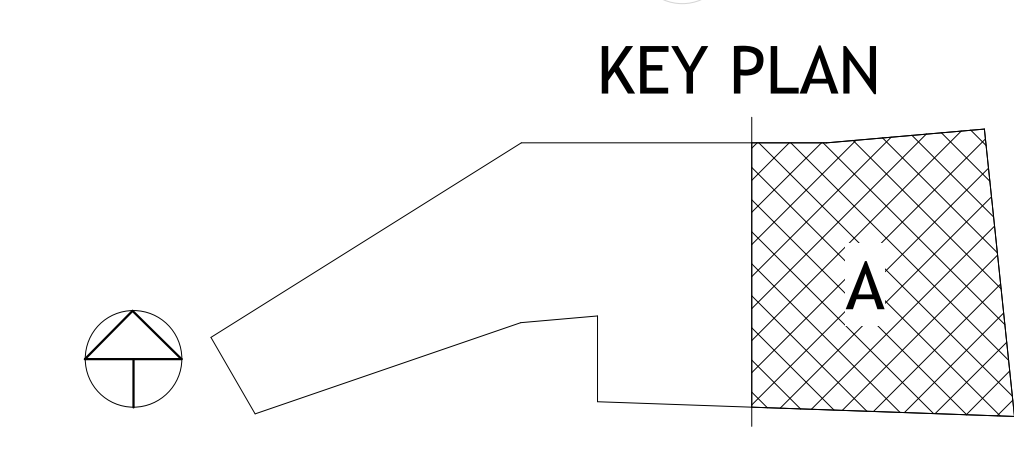


- MECHANICAL PLAN NOTES:**
- M2 AREA WELL UP TO GRADE FOR PARKING GARAGE EXHAUST.
 - M4 PROVIDE PARKING AND GARAGE CO AND NO2 MONITORING SYSTEM TIED TO GARAGE EXHAUST FANS EF 1 AND EF 2.
 - M14 PROVIDE 1/4" ALUMINUM BIRD SCREEN OVER DUCT OPENING.
 - M49 LOUVERS BY ARCHITECT. REFER TO FREE AREA SCHEDULE ON M053 FOR MECHANICAL SYSTEM REQUIREMENTS. REFER TO ARCHITECTURAL PLANS FOR LOUVER DETAILS AND SPECIFICATIONS.
 - M50 MOUNT BOTTOM OF PLENUM 120" AFF.
 - M54 EXTEND EXHAUST DUCT 3FT FROM EXTERIOR WALL. SUPPORT FROM EXTERIOR WALL. PROVIDE INSECT SCREEN OVER DUCT OPENING.
 - M83 MOUNT BOTTOM OF FAN A MINIMUM OF 140" AFF.



① HVAC - LEVEL 0 PLAN - AREA A
1/8" = 1'-0"



MECHANICAL PLAN NOTES:

M112 LOCATE CONTROL POWER TRANSFORMERS IN THIS ROOM TO POWER LOCAL VAV BOXES. EACH CONTROL POWER TRANSFORMER SHALL SERVE UP TO FIVE VAV BOXES. DISTANCE BETWEEN TRANSFORMER AND VAV BOX SHALL NOT EXCEED 50 FEET.

M121 AREA OPEN TO FLOOR BELOW. DO NOT ROUTE HVAC PIPING, DUCTWORK, OR ANY ACCESSORIES INCLUDING CONTROL WIRING ACROSS AREA.

M22 MOUNT BOTTOM OF FAN COIL UNIT 9 FT AFF.

M42 RETURN AIR THRU COVE ASSEMBLY. REFER TO ARCHITECTURAL PLANS FOR COVE LOCATION AND OPENING SIZE FOR RETURN AIR. OPENING SHALL BE MINIMUM 3" TALL AND FULL LENGTH OF COVE.

M43 RETURN AIR THRU SHORT END OF CEILING OVERLAY ASSEMBLY. REFER TO ARCHITECTURAL PLANS FOR OPENING LOCATION AND SIZE. OPENING SHALL BE MINIMUM 3" TALL AND FULL LENGTH OF SHORT SIDE. LINEAR SLOT DIFFUSER SUSPENDED FROM STRUCTURE. MOUNT LINEAR SLOT JUST PAST EDGE OF CEILING.

MECHANICAL PLAN NOTES:

M45 UP TO RELIEF FAN ON ROOF.

M46 UP TO INTAKE HOOD ON ROOF.

M47 ROUTE RETURN DUCT DOWN ALONG WALL. PROVIDE SECOND ELBOW MOUNTED BOTTOM OF DUCT 1 FOOT ABOVE FINISHED FLOOR.

M57 COORDINATE WITH ARCHITECTURAL DRAWINGS TO LEAVE WALL DOWN ABOVE CEILING FOR RETURN PATHWAY.

M107 MOUNT BOTTOM OF SUPPLY GRILLE 12'-2" AFF IN CEILING BULKHEAD. REFER TO ARCHITECTURAL DRAWINGS FOR BULKHEAD DETAILS.

M109 ALL BASEBOARD HEATERS SHALL BE CONTINUOUS IF SERVED BY SAME PIPING. NO EXPOSED PIPING ALLOWED.

M153 BBH 156-169 SHALL BE CONTROL BY VAV 5-73 THERMOSTAT.

MECHANICAL PLAN NOTES:

M154 BBH 170-180 SHALL BE CONTROL BY UH 1 AND UH 2 THERMOSTATS.

M155 BBH 148-150 SHALL BE CONTROL BY VAV 5-70 THERMOSTAT.

M156 BBH 140-147 SHALL BE CONTROL BY VAV 5-40 THERMOSTAT.

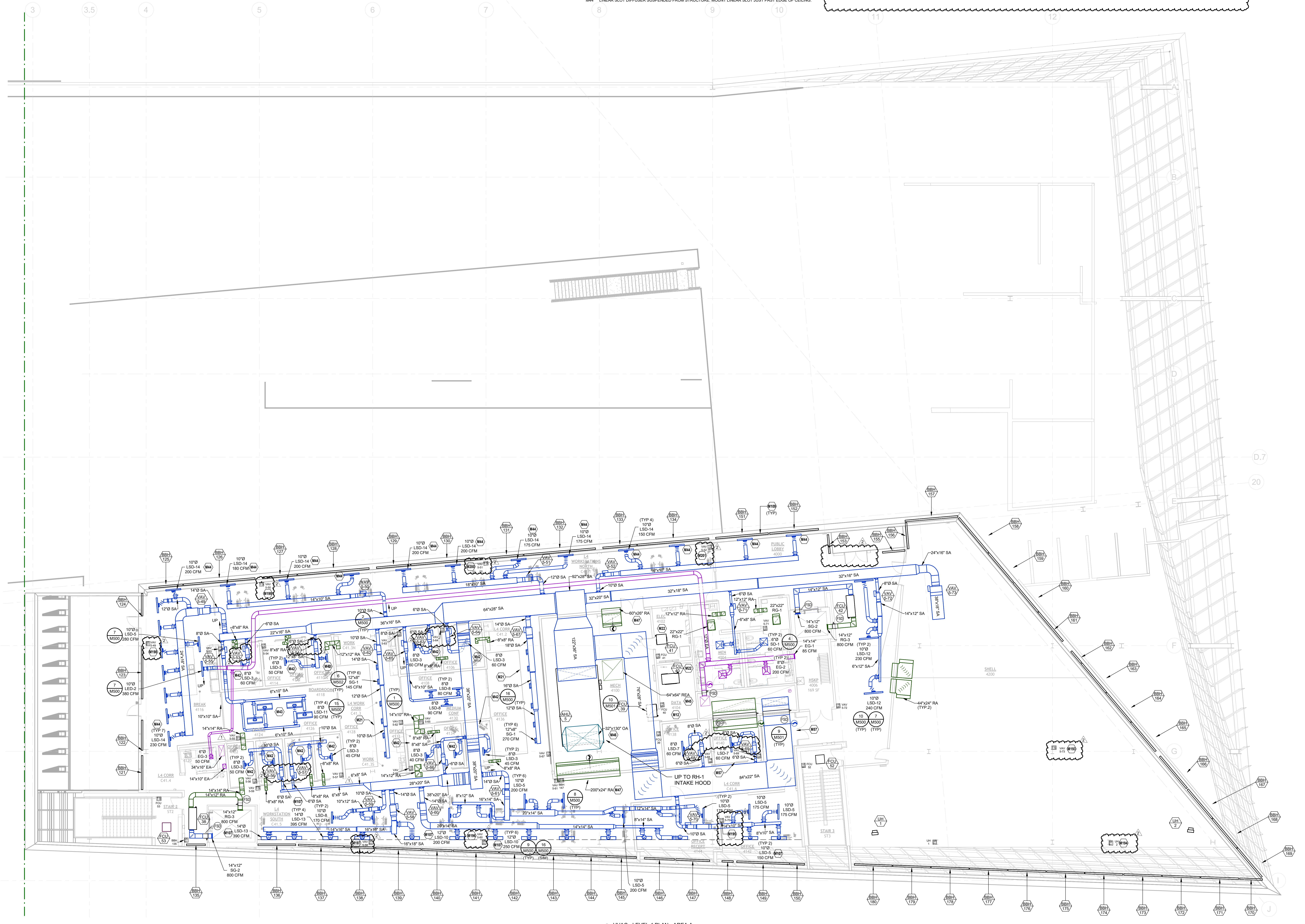
M157 BBH 136-139 SHALL BE CONTROL BY VAV 5-58 THERMOSTAT.

M158 BBH 121-125 SHALL BE CONTROL BY VAV 5-49 THERMOSTAT.

M159 BBH 126-128 SHALL BE CONTROL BY VAV 5-50 THERMOSTAT.

M200 BBH 129-132 SHALL BE CONTROL BY VAV 5-51 THERMOSTAT.

M201 BBH 133-134 AND 151-153, 155 SHALL BE CONTROL BY VAV 5-52 THERMOSTAT.



1 HVAC - LEVEL 4 PLAN - AREA A
1/8" = 1'-0"

KEY PLAN



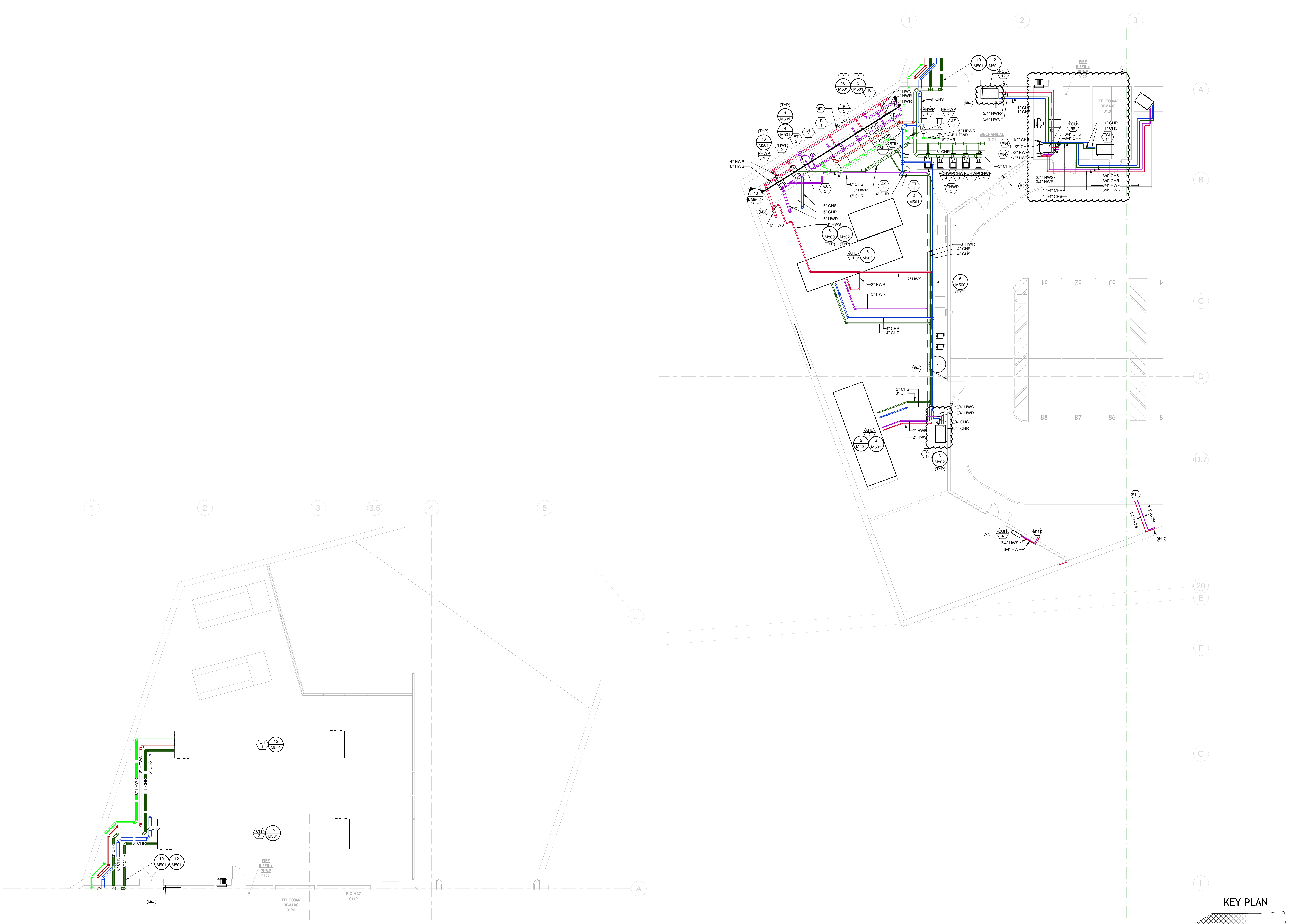
06/07/2023

REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03/13/23	Addendum 1
2	06/29/23	Addendum 2



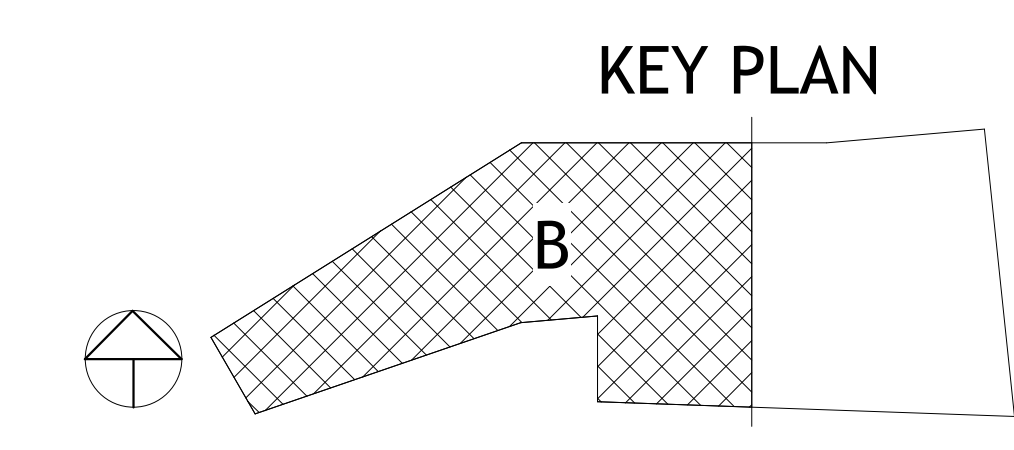
REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03.10.23	Addendum 1
2	06.09.23	Addendum 2

- MECHANICAL PLAN NOTES:**
- M38 ROUTE PIPE TIGHT TO STRUCTURE TO AVOID DUCTWORK MANS ABOVE AIR HANDLER.
 - M67 REFER TO ELECTRICAL PLANS FOR EMERGENCY BOILER SHUT-OFF.
 - M74 LOCATION FOR HW FLOW METER. REFER TO CONTROLS DIAGRAM FOR FURTHER INFORMATION.
 - M75 LOCATION FOR CHW ELECTROMAGNETIC TYPE FLOW METER. REFER TO CONTROLS DIAGRAM FOR FURTHER INFORMATION.
 - M84 ROUTE PIPING UP THROUGH FLOOR ABOVE. REFER TO M201B FOR PIPING CONTINUATION.
 - M111 ROUTE PIPING UP THROUGH FLOOR ABOVE. REFER TO M201B FOR PIPING CONTINUATION.
 - M112 ROUTE PIPING UP TO TRENCH HEATER ABOVE. REFER TO M201B FOR PIPING CONTINUATION.



② PIPING - CHILLER YARD
 1/8" = 1'-0"

① PIPING - LEVEL 0 PLAN - AREA B
 1/8" = 1'-0"



MECHANICAL PLAN NOTES:

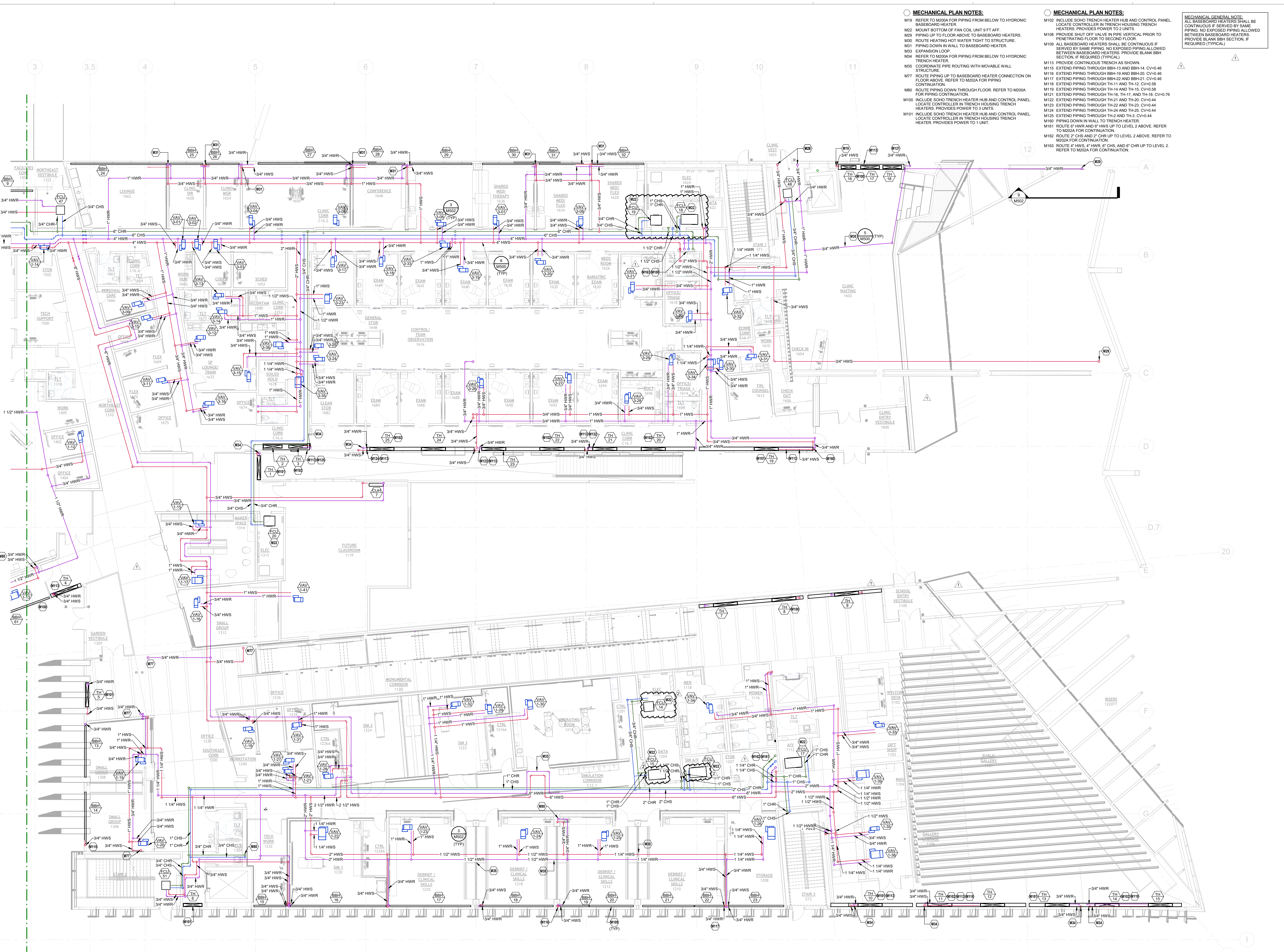
- M10 REFER TO M200A FOR PIPING FROM BELOW TO HYDRONIC BASEBOARD HEATER.
- M22 MOUNT BOTTOM OF FAN COIL UNIT 8 FT AFF.
- M29 PIPING UP TO FLOOR ABOVE TO BASEBOARD HEATERS.
- M30 ROUTE HEATING HOT WATER TIGHT TO STRUCTURE.
- M31 PIPING DOWN IN WALL TO BASEBOARD HEATER.
- M33 EXPANSION LOOP.
- M34 REFER TO M200A FOR PIPING FROM BELOW TO HYDRONIC TRENCH HEATER.
- M35 COORDINATE PIPE ROUTING WITH MOVABLE WALL STRUCTURE.
- M77 ROUTE PIPING UP TO BASEBOARD HEATER CONNECTION ON FLOOR ABOVE. REFER TO M202A FOR PIPING CONTINUATION.
- M80 ROUTE PIPING DOWN THROUGH FLOOR. REFER TO M200A FOR PIPING CONTINUATION.
- M100 INCLUDE SOHO TRENCH HEATER HUB AND CONTROL PANEL. LOCATE CONTROLLER IN TRENCH HOUSING TRENCH HEATERS. PROVIDES POWER TO 3 UNITS.
- M101 INCLUDE SOHO TRENCH HEATER HUB AND CONTROL PANEL. LOCATE CONTROLLER IN TRENCH HOUSING TRENCH HEATER. PROVIDES POWER TO 1 UNIT.

MECHANICAL PLAN NOTES:

- M102 PROVIDE CONTINUOUS TRENCH AS SHOWN.
- M115 EXTEND PIPING THROUGH BBH-13 AND BBH-14. CV=0.46
- M116 EXTEND PIPING THROUGH BBH-22 AND BBH-21. CV=0.46
- M117 EXTEND PIPING THROUGH BBH-22 AND BBH-21. CV=0.46
- M118 EXTEND PIPING THROUGH TH-11 AND TH-12. CV=0.58
- M119 EXTEND PIPING THROUGH TH-14 AND TH-15. CV=0.58
- M121 EXTEND PIPING THROUGH TH-16, TH-17, AND TH-18. CV=0.76
- M122 EXTEND PIPING THROUGH TH-21 AND TH-20. CV=0.44
- M123 EXTEND PIPING THROUGH TH-22 AND TH-23. CV=0.44
- M124 EXTEND PIPING THROUGH TH-24 AND TH-25. CV=0.44
- M125 EXTEND PIPING THROUGH TH-2 AND TH-3. CV=0.44
- M160 PIPING DOWN IN WALL TO TRENCH HEATER.
- M161 ROUTE 6" HWR AND 6" CHR UP TO LEVEL 2 ABOVE. REFER TO M202A FOR CONTINUATION.
- M162 ROUTE 2" CHS AND 2" CHR UP TO LEVEL 2 ABOVE. REFER TO M202A FOR CONTINUATION.
- M163 ROUTE 4" HWS, 4" HWR, 6" CHS, AND 6" CHR UP TO LEVEL 2. REFER TO M202A FOR CONTINUATION.

MECHANICAL GENERAL NOTE:

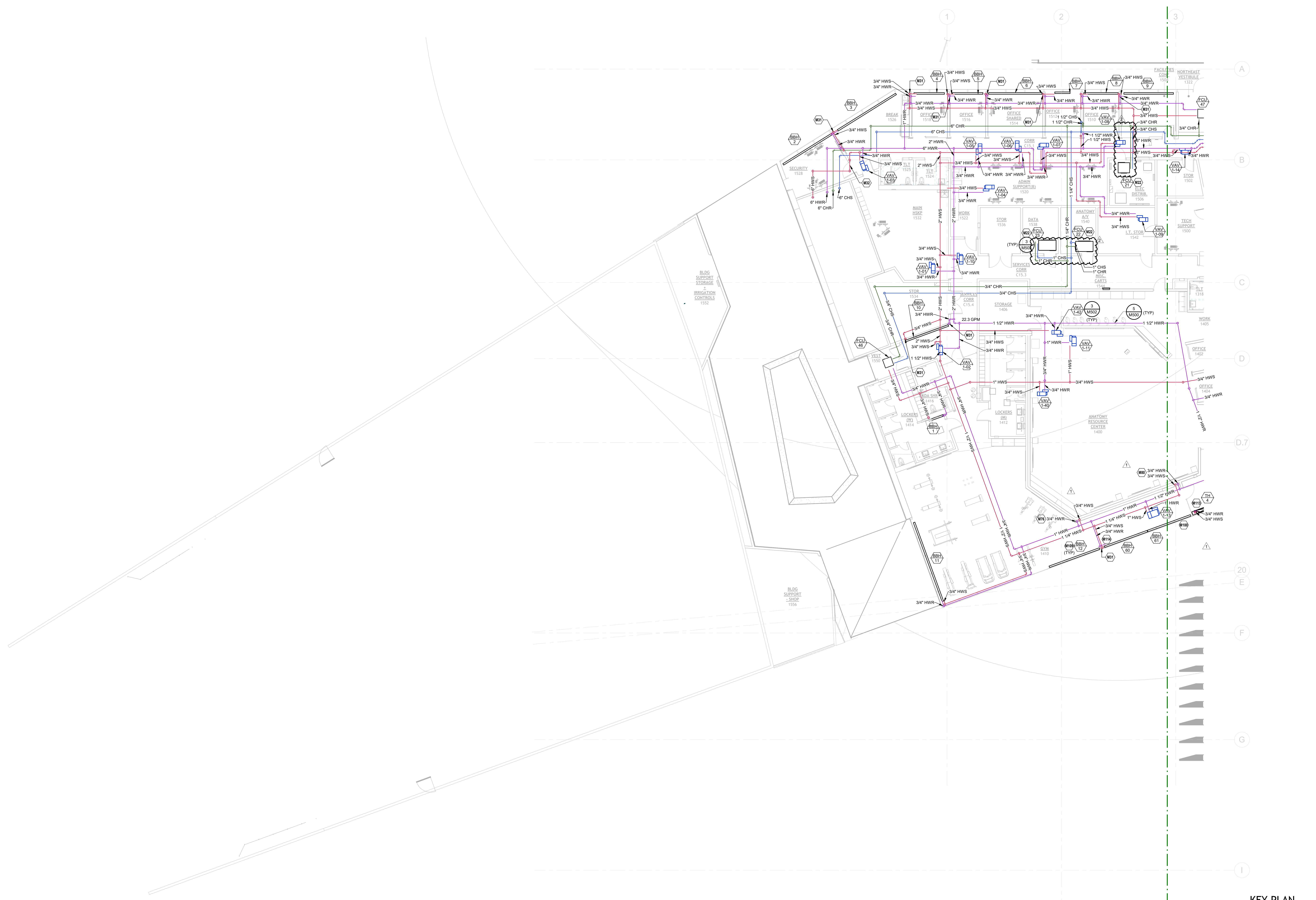
ALL BASEBOARD HEATERS SHALL BE CONTINUOUS IF SERVED BY SAME PIPING. NO EXPOSED PIPING ALLOWED BETWEEN BASEBOARD HEATERS. PROVIDE BLANK BBH SECTION IF REQUIRED (TYPICAL).



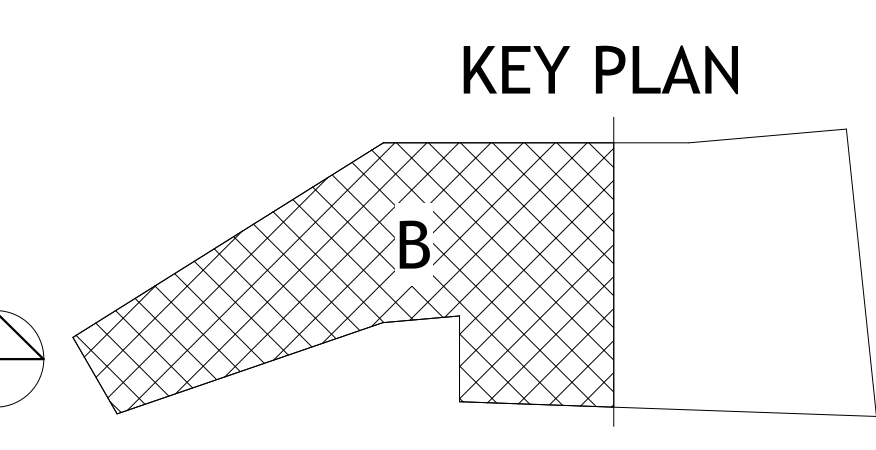
① PIPING - LEVEL 1 PLAN - AREA A
 1/8" = 1'-0"

KEY PLAN

- MECHANICAL PLAN NOTES:**
- M22 MOUNT BOTTOM OF FAN COIL UNIT 9 FT. AFF.
 - M31 PIPING DOWN IN WALL TO BASEBOARD HEATER.
 - M32 ROUTE PIPE MAIN BELOW BEAM
 - M76 ROUTE PIPING DOWN TO LEVEL BELOW. REFER TO LEVEL 0 PIPING PLANS FOR CONTINUATION.
 - M80 ROUTE PIPING DOWN THROUGH FLOOR. REFER TO M200A FOR PIPING CONTINUATION.
 - M100 INCLUDE SOHO TRENCH HEATER HUB AND CONTROL PANEL. LOCATE CONTROLLER IN TRENCH HOUSING TRENCH HEATERS. PROVIDES POWER TO 3 UNITS.
 - M109 ALL BASEBOARD HEATERS SHALL BE CONTINUOUS IF SERVED BY SAME PIPING. NO EXPOSED PIPING ALLOWED BETWEEN BASEBOARD HEATERS. PROVIDE BLANK BBH SECTION, IF REQUIRED (TYPICAL).
 - M113 PROVIDE CONTINUOUS TRENCH AS SHOWN.
 - M114 EXTEND PIPING THROUGH BBH-60 AND BBH-61. CV=0.46
- MECHANICAL GENERAL NOTE:**
ALL BASEBOARD HEATERS SHALL BE CONTINUOUS IF SERVED BY SAME PIPING. NO EXPOSED PIPING ALLOWED BETWEEN BASEBOARD HEATERS. PROVIDE BLANK BBH SECTION, IF REQUIRED (TYPICAL).



① PIPING - LEVEL 1 PLAN - AREA B
1/8" = 1'-0"



PSW Job Number:
993A
Henderson Job Number:
2150002607



AWSOM
Bentonville, AR

Issue Date:
02.24.2023

REVISIONS		
NUMBER	DATE	DESCRIPTION
1	03.10.23	Addendum 1
2	06.09.23	Addendum 2

Contents:
PIPING - LEVEL 1
PLAN - AREA B

AIR HANDLING UNIT SCHEDULE (CHILLED WATER COOLING, HOT WATER HEATING)

Table with columns: MARK, MANUFACTURER, MODEL, UNIT TYPE, FAN TYPE, ESP, TSP, BHP, NOM HP, VFD, FAN TYPE, ESP, TSP, BHP, NOM HP, VFD, EXHAUST THROUGH WHEEL, SH, SH (MBH), EAT, LAT, FLOW, EWT, LWT, MAX WPD, VALVE, MAX APD, MAX VEL, ROWS, NO OF COILS, COIL POSITION, EAT, LAT, FLOW, EWT, LWT, MAX WPD, VALVE, MAX APD, MAX VEL, ROWS, NO OF COILS, MIN OIA, ABS, PRE-FILTERS, FINAL FILTERS, SUPPLY AIR, RETURN AIR, OUTDOOR AIR, RELIEF AIR, DISC, STARTER, WEIGHT, NOTES.

- MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.
- PROVIDE FACTORY MOUNTED DISCONNECT SWITCH INSTALLED ON SERVICE SIDE OF UNIT.
- PROVIDE WITH 10KVA SCGR RATING.
- PROVIDE WITH MINIMUM 4 FANS PER FAN ARRAY.
- PROVIDE MINIMUM 1 VARIABLE FREQUENCY DRIVE FURNISHED PER FAN ROW.
- PROVIDE SHAFT GROUNDING SYSTEM ON MOTOR. REFER TO MOTOR SPECIFICATION FOR ADDITIONAL INFORMATION.
- PROVIDE SINGLE POINT POWER CONNECTION.
- PROVIDE INDIVIDUAL POWER CONNECTIONS TO THE SUPPLY TUNNEL, EXHAUST TUNNEL, AND ENERGY RECOVERY WHEEL SECTION.
- SPECIFIED FAN ESP ACCOUNTS FOR DUCT LOSSES EXTERNAL TO UNIT. ESP EXCLUDES UNIT INLET AND OUTLET OPENING LOSSES.
- SPECIFIED FAN TSP INCLUDES EXTERNAL STATIC PRESSURE LOSSES, UNIT INLET AND OUTLET OPENING LOSSES, FILTER LOSSES AT A MAXIMUM OF 400 FPM FACE VELOCITY. MAXIMUM PRESSURE DROP THROUGH EACH RETURN AIR, SUPPLY AIR, ECONOMIZER AIR, AND MIXED AIR OPENING SHALL BE 0.3 INCHES W.C.
- PROVIDE MOTOR HORSEPOWER TO OVERCOME INTERNAL UNIT STATIC PRESSURE DROP PLUS SPECIFIED EXTERNAL STATIC PRESSURE DROP. NOMINAL MOTOR HP SHALL BE NO LARGER THAN THE FIRST AVAILABLE NOMINAL MOTOR SIZE GREATER THAN THE REQUIRED BHP.
- DIVISION 28 CONTRACTOR SHALL PROVIDE SMOKE DETECTORS IN RETURN AIR DUCT(S).
- UNIT SHALL BE DRAW THRU CONFIGURATION.
- PROVIDE CONCRETE HOUSEKEEPING PAD PER SPECIFICATIONS.
- SELECT EQUIPMENT FOR ELEVATION OF 100 FEET ABOVE SEA LEVEL.
- ABS, MIN. OIA IS THE ABSOLUTE MINIMUM OUTSIDE AIR CFM USING VENTILATION RESET OR DEMAND CONTROL VENTILATION.
- DIVISION 23 TEMPERATURE CONTROLS CONTRACTOR SHALL PROVIDE CONTROL VALVE SIZED USING THE SCHEDULED CONTROL VALVE AUTHORITY FLOW COEFFICIENT (CV).
- PROVIDE RETURN AIR, RELIEF AIR, AND OUTSIDE AIR DAMPERS.
- COOLING COIL AND HEATING COIL VALVE CV IS BASED ON SPECIFIC GRAVITY OF PROPYLENE GLYCOL AT A CONCENTRATION OF 30%.
- PROVIDE STAGGERED HEATING AND COOLING COILS. COIL FULL CLEARANCE SHALL BE NO MORE THAN 8 INCHES.
- PROVIDE MERV 9 FILTER SECTION UPSTREAM AND DOWNSTREAM OF ENERGY RECOVERY WHEEL.
- PROVIDE STAGGERED COOLING COIL WITH 12" STAGGER.
- PROVIDE STAGGERED HEATING COIL WITH 4" STAGGER.

OCTAVE BAND SOUND POWER LEVELS (dB)

Table with columns: MARK, SUPPLY AIR (Hz), RETURN AIR (Hz), RADIATED. Rows include AHU 1 through AHU 5 with frequency bands from 63 to 8000 Hz.

MAXIMUM ALLOWABLE EQUIPMENT DIMENSIONS

Table with columns: MARK, LENGTH (INCHES), WIDTH (INCHES), HEIGHT (INCHES), NOTES. Rows include AHU 1 SUPPLY, AHU 1 EXHAUST, AHU 2, AHU 3, AHU 4 SUPPLY, AHU 4 EXHAUST, AHU 5.

- SHIPPING BRILT SHALL NOT EXCEED 5'4".
- HEIGHT INCLUDES 8" BASEBALL.

FAN COIL UNIT SCHEDULE (HYDRONIC COILS)

Table with columns: MARK, MANUFACTURER, MODEL, UNIT TYPE, FAN TYPE, ESP, TSP, BHP, NOM HP, VFD, FAN TYPE, ESP, TSP, BHP, NOM HP, VFD, EXHAUST THROUGH WHEEL, SH, SH (MBH), EAT, LAT, FLOW, EWT, LWT, MAX WPD, VALVE, MAX APD, MAX VEL, ROWS, NO OF COILS, COIL POSITION, EAT, LAT, FLOW, EWT, LWT, MAX WPD, VALVE, MAX APD, MAX VEL, ROWS, NO OF COILS, MIN OIA, ABS, PRE-FILTERS, FINAL FILTERS, SUPPLY AIR, RETURN AIR, OUTDOOR AIR, RELIEF AIR, DISC, STARTER, WEIGHT, NOTES.

MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

- PROVIDE PRE-MANUFACTURED OR FIELD FABRICATED FILTER RACK ON UNIT RETURN AIR INLET WITH 2" MERV 9, PLEATED THROWAWAY FILTERS. FILTERS SHALL BE ACCESSIBLE FROM SERVICE SIDE OF UNIT. BOTTOM ACCESS FILTER RACK IS NOT PERMITTED.
- PROVIDE WITH BACNET CAPABILITY. FCU WILL BE TIED INTO THE BUILDING BAS.
- PROVIDE FACTORY MOUNTED DISCONNECT SWITCH INSTALLED ON SERVICE SIDE OF UNIT.
- SPECIFIED FAN ESP ACCOUNTS FOR DUCT LOSSES EXTERNAL TO UNIT. FILTER LOSS IS AT A MAXIMUM OF 400 FPM FACE VELOCITY.
- PROVIDE MOTOR HORSEPOWER TO OVERCOME INTERNAL UNIT STATIC PRESSURE DROP PLUS SPECIFIED EXTERNAL STATIC PRESSURE DROP. NOMINAL MOTOR HP SHALL BE NO LARGER THAN THE FIRST AVAILABLE NOMINAL MOTOR SIZE GREATER THAN THE REQUIRED HP.
- PROVIDE WITH SPRING VIBRATION ISOLATION AND ALL-THREAD HANGING RODS.
- SELECT EQUIPMENT FOR ELEVATION OF 100 FEET ABOVE SEA LEVEL.
- PROVIDE UNIT WITH MANUFACTURER'S INTEGRAL FLOOD DETECTOR OR PRIMARY DRAIN PAN THAT WILL SHUT OFF UNIT WHEN PRIMARY DRAIN IS BLOCKED.
- DIVISION 23 TEMPERATURE CONTROLS CONTRACTOR SHALL PROVIDE CONTROL VALVE SIZED USING THE SCHEDULED CONTROL VALVE AUTHORITY FLOW COEFFICIENT (CV).
- VALVE CV IS BASED ON SPECIFIC GRAVITY OF PROPYLENE GLYCOL AT A CONCENTRATION OF 30%.
- DIVISION 28 TEMPERATURE CONTROLS CONTRACTOR SHALL PROVIDE TEMPERATURE SENSOR. REFER TO HVAC DRAWINGS FOR LOCATIONS.
- PROVIDE WITH FRONT OUTLET CONNECTION.
- PROVIDE WITH RACK INLET CONNECTION.
- PROVIDE FLOOR MOUNTED FCUs WITH POWDER COATING FINISH FOR FIELD PAINTING. COORDINATE WITH ARCHITECT ON FINAL COLOR TO BE FIELD PAINTED.
- UNIT SHALL BE DRAW THRU CONFIGURATION. COORDINATE WITH ARCHITECT ON SHUT DOWN SEQUENCE WITH CONTROLS CONTRACTOR.

FAN SCHEDULE

Table with columns: MARK, SERVICE DESCRIPTION, MANUFACTURER, MOUNTING, MODEL, CFM, ESP (IN), FAN RPM, DRIVE (BELT/DIRECT), VFD (Y/N), ELECTRICAL, STARTER TYPE, WEIGHT (LBS), NOTES.

MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

- PROVIDE INSULATED ROOF CURB WITH MINIMUM HEIGHT REQUIRED TO MAINTAIN BOTTOM OF EQUIPMENT A MINIMUM OF 16 INCHES ABOVE FINISHED ROOF SURFACE. PROVIDE SLOPED CURB IF NEEDED TO MATCH ROOF SLOPE.
- PROVIDE GREASE EXHAUST FAN WITH ROOF CURB EXHAUST FOR 40 INCH MINIMUM DISCHARGE HEIGHT ABOVE ROOF SURFACE OR AT ELEVATION HIGHER THAN ADJACENT BUILDING STRUCTURE WITHIN 10 FEET WHICHEVER IS GREATER. GREASE TRAP WITH ABSORBENT MATERIAL AND DRAIN CONNECTION. HINGE KIT, ACCESS PORT FOR CLEANING FAN BLADES AND INTEGRAL MOTOR OVERLOAD PROTECTION.
- PROVIDE FACTORY MOUNTED DISCONNECT SWITCH.
- PROVIDE WITH SPRING VIBRATION ISOLATION AND ALL-THREAD HANGING RODS.
- DIVISION 28 CONTRACTOR SHALL PROVIDE STARTER.
- VARIABLE FREQUENCY DRIVE TO BE FURNISHED BY DIVISION 23 CONTRACTOR.
- PROVIDE SHAFT GROUNDING SYSTEM ON MOTOR. REFER TO MOTOR SPECIFICATION FOR ADDITIONAL INFORMATION.
- PROVIDE WITH MANUFACTURER'S INTEGRAL FLOOD DETECTOR OR BALANCING PURPOSES.
- PROVIDE WITH MANUFACTURER'S ELECTRONICALLY COMMUTATED (EC) MOTOR.
- NOMINAL MOTOR HP SHALL BE NO LARGER THAN THE FIRST AVAILABLE NOMINAL MOTOR SIZE GREATER THAN THE BHP.
- PROVIDE TRAC-SMARTS 3 GREED CONTROLLER PER 3 FANS. REFER TO DRAWINGS FOR LOCATION.
- PROVIDE WITH MANUFACTURER'S HOA CONTROLLER TO INTEGRATE FAN WITH KITCHEN EQUIPMENT. REFER TO CONTROLS DRAWINGS FOR 800.
- PROVIDE WITH MANUFACTURER'S HOA CONTROLLER TO INTEGRATE FAN WITH KITCHEN EQUIPMENT. REFER TO CONTROLS DRAWINGS FOR 800.
- COORDINATE EQUIPMENT CONNECTION REQUIREMENTS WITH KITCHEN EQUIPMENT MANUFACTURER TO INTERLOCK FAN WITH HOOD CONTROL SYSTEM.

GRILLE, REGISTER AND DIFFUSER SCHEDULE

Table with columns: MARK, MANUFACTURER, MODEL, CONSTRUCTION TYPE, FACE TYPE, MOUNTING LOCATION, FACE SIZE (IN), MAX NO, MAX PRESS (IN W.G.), NOTES.

MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

- 4-WAY THROW PATTERN UNLESS OTHERWISE INDICATED BY FLOW ARROWS ON DRAWINGS. PROVIDE ONE SPARE LOOSE BLANK-OFF DEFLECTOR PER DIFFUSER FOR USE DURING BALANCING AS REQUIRED.
- NECK SIZE SHOWN ON DRAWINGS. PROVIDE BRANCH DUCT TO MATCH NECK SIZE UNLESS OTHERWISE SHOWN ON DRAWINGS.
- PROVIDE WHITE PAINTABLE PRIME COAT FINISH. ARCHITECT TO COORDINATE FINAL COLOR SELECTION.
- FRONT BLADES PARALLEL TO LONG DIMENSION.
- DOUBLE DEFLECTION BARS SHALL BE ADJUSTABLE.
- FRAME TYPE TO MATCH CEILING/SLAB CONSTRUCTION. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING/WALL PLAN.
- PROVIDE BORDER TYPE TO MATCH CEILING CONSTRUCTION WITH FLANGE MOUNTING, AND INSULATED PLENUM BOX WITH NECK.
- PROVIDE DIFFUSERS, LINEAR SLOTS, AND GRILLES WITH EXPOSED MOUNTING SCREWS.
- PAINT ALL INTERIOR SURFACES SLOTS, GRILLES AND PLENUM FLAT BLACK.
- SUPPLY PLENUM SHALL BE FIELD FABRICATED BASED ON PROVIDED DETAILS, OR PURCHASED FROM THE SLOT DIFFUSER MANUFACTURER. PROVIDE 1/4" CLOSED CELL INSULATION ON THE INTERIOR OF THE SUPPLY PLENUM.
- PROVIDE WITH RIBBON MOUNT FRAMING OPTION FOR LAY IN TYPE DIFFUSERS INSTALLED IN A HARD CEILING.
- PROVIDE LINEAR SLOT DIFFUSER WITH FACTORY-FABRICATED BLANK-OFF PLATES WHERE NOTED ON THE PLANS.
- PROVIDE LINEAR SLOT DIFFUSER WITH FACTORY-FABRICATED LIGHT SHIELDS.
- PROVIDE LINEAR FLOOR GRILLE WITH LINEAR FLOOR GRILLE ARCHITECT TO SELECT LINEAR FLOOR GRILLE MOUNTING OPTION.
- PROVIDE LINEAR FLOOR GRILLE WITH PENCIL PROOF SPACING.
- ARCHITECT TO SELECT FINISH AND COLOR OF LINEAR FLOOR GRILLE.
- PROVIDE TYPE 2 FLUSH THRU CONCRETE MOUNTING.
- REFER TO ARCHITECTURAL CEILING PLANS AND SPECIFICATIONS FOR FURTHER INFORMATION ON ARMSTRONG CEILING TYPE.
- FINAL COLOR SHALL BE SELECTED BY ARCHITECT.

ROOF HOOD SCHEDULE

Table with columns: MARK, SERVICE (INTAKE), MANUFACTURER, MODEL, CFM, MAX THROAT (L" X W"), CURB (L" X W"), WEIGHT (LBS), NOTES.

MODEL NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND MODEL NUMBERS ONLY. REVIEW THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.

- PROVIDE WITH INTEGRAL BIRDSCREEN 1/4" ALUMINUM BIRDSCREEN.
- PROVIDE INSULATED ROOF CURBS WITH MINIMUM HEIGHT REQUIRED TO MAINTAIN BOTTOM OF EQUIPMENT A MINIMUM OF 8 INCHES ABOVE FINISHED ROOF SURFACE. PROVIDE SLOPED CURB IF NEEDED TO MATCH ROOF SLOPE. COORDINATE WITH ROOF INSULATION THICKNESS AND ROOF TAPER AT INSTALLED LOCATION. COORDINATE CURB TYPE WITH DRAWINGS.
- PROVIDE INTEGRAL MOTORIZED DAMPER.

VARIABLE AIR VOLUME TERMINAL SCHEDULE (HYDRONIC HEAT) AHU 1

MARK	SERVED FROM	MANUFACTURER	MODEL	INLET SIZE (IN)	HEATING COIL				HEATING COIL				SOUND POWER				NOTES					
					PRIMARY CFM	MIN PRIM CFM	MIN HEAT CFM	MAX HEAT CFM	HTG EWNT	HTG LWT	EAT	LAT	MBH	GPM	ROW	WPD (FT)		CV	VPH	RADIATED DISCHARGE	CONTROL TYPE	
VAV-1-01	AHU-1	PRICE	SDV	8"	250	125	125	125	120 F	100 F	55.0	85.0	4.1	1.0	2	5.00	0.44	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-02	AHU-1	PRICE	SDV	8"	250	125	125	125	120 F	100 F	55.0	85.0	4.1	1.0	2	5.00	0.44	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-03	AHU-1	PRICE	SDV	8"	250	125	125	125	120 F	100 F	55.0	85.0	4.1	1.0	2	5.00	0.44	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-04	AHU-1	PRICE	SDV	8"	250	125	125	125	120 F	100 F	55.0	85.0	4.1	1.0	2	5.00	0.44	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-05	AHU-1	PRICE	SDV	8"	250	125	125	125	120 F	100 F	55.0	85.0	4.1	1.0	2	5.00	0.44	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-06	AHU-1	PRICE	SDV	8"	250	125	125	125	120 F	100 F	55.0	85.0	4.1	1.0	2	5.00	0.44	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-07	AHU-1	PRICE	SDV	8"	250	125	125	125	120 F	100 F	55.0	85.0	4.1	1.0	2	5.00	0.44	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-08	AHU-1	PRICE	SDV	8"	250	125	125	125	120 F	100 F	55.0	85.0	4.1	1.0	2	5.00	0.44	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-09	AHU-1	PRICE	SDV	8"	250	125	125	125	120 F	100 F	55.0	85.0	4.1	1.0	2	5.00	0.44	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-10	AHU-1	PRICE	SDV	8"	250	125	125	125	120 F	100 F	55.0	85.0	4.1	1.0	2	5.00	0.44	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-11	AHU-1	PRICE	SDV	10"	1060	545	545	545	120 F	100 F	55.0	85.0	17.7	4.2	2	5.00	1.86	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-12	AHU-1	PRICE	SDV	4"	50	50	50	50	120 F	100 F	55.0	85.0	1.5	0.5	2	5.00	0.22	241	35	35	CONSTANT VOLUME	AM
VAV-1-13	AHU-1	PRICE	SDV	14"	2040	1020	1020	1020	120 F	100 F	55.0	85.0	33.0	7.9	2	5.00	3.5	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-14	AHU-1	PRICE	SDV	8"	400	125	125	200	120 F	100 F	55.0	85.0	6.5	1.6	2	5.00	0.71	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-15	AHU-1	PRICE	SDV	8"	410	205	205	200	120 F	100 F	55.0	85.0	6.6	1.6	2	5.00	0.71	241	35	35	CONSTANT VOLUME	AM
VAV-1-16	AHU-1	PRICE	SDV	8"	270	125	125	135	120 F	100 F	55.0	85.0	4.4	1.1	2	5.00	0.49	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-17	AHU-1	PRICE	SDV	14"	1710	513	513	855	120 F	100 F	55.0	85.0	27.7	6.7	2	5.00	2.97	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-18	AHU-1	PRICE	SDV	8"	470	141	141	235	120 F	100 F	55.0	85.0	7.8	1.8	2	5.00	0.79	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-19	AHU-1	PRICE	SDV	10"	850	255	255	425	120 F	100 F	55.0	85.0	13.8	3.3	2	5.00	1.46	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-20	AHU-1	PRICE	SDV	10"	860	258	258	430	120 F	100 F	55.0	85.0	13.9	3.3	2	5.00	1.46	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-21	AHU-1	PRICE	SDV	8"	480	147	147	245	120 F	100 F	55.0	85.0	7.9	1.9	2	5.00	0.84	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-22	AHU-1	PRICE	SDV	10"	2500	765	765	1275	120 F	100 F	55.0	85.0	41.3	9.9	2	5.00	4.4	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-23	AHU-1	PRICE	SDV	12"	1330	369	369	615	120 F	100 F	55.0	85.0	19.9	4.8	2	5.00	2.13	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-24	AHU-1	PRICE	SDV	8"	100	65	65	80	120 F	100 F	55.0	85.0	1.6	0.4	2	5.00	0.22	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-25	AHU-1	PRICE	SDV	12"	1380	414	414	690	120 F	100 F	55.0	85.0	22.4	5.4	2	5.00	2.39	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-26	AHU-1	PRICE	SDV	16"	2570	771	771	1285	120 F	100 F	55.0	85.0	41.6	10.0	2	5.00	4.4	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-27	AHU-1	PRICE	SDV	8"	130	65	65	80	120 F	100 F	55.0	85.0	1.6	0.4	2	5.00	0.22	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-28	AHU-1	PRICE	SDV	10"	990	297	297	495	120 F	100 F	55.0	85.0	16.0	3.9	2	5.00	1.73	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-29	AHU-1	PRICE	SDV	10"	990	297	297	495	120 F	100 F	55.0	85.0	16.0	3.9	2	5.00	1.73	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-30	AHU-1	PRICE	SDV	12"	1380	414	414	690	120 F	100 F	55.0	85.0	22.4	5.4	2	5.00	2.39	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-31	AHU-1	PRICE	SDV	10"	970	291	291	485	120 F	100 F	55.0	85.0	15.7	3.6	2	5.00	1.68	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-32	AHU-1	PRICE	SDV	10"	1080	324	324	540	120 F	100 F	55.0	85.0	17.5	4.2	2	5.00	1.86	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-33	AHU-1	PRICE	SDV	8"	690	207	207	345	120 F	100 F	55.0	85.0	11.5	2.7	2	5.00	1.12	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-34	AHU-1	PRICE	SDV	8"	150	55	55	75	120 F	100 F	55.0	85.0	2.4	0.6	2	5.00	0.26	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-35	AHU-1	PRICE	SDV	8"	320	125	125	160	120 F	100 F	55.0	85.0	5.2	1.2	2	5.00	0.53	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-36	AHU-1	PRICE	SDV	10"	2410	723	723	1205	120 F	100 F	55.0	85.0	39.0	9.4	2	5.00	4.16	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-37	AHU-1	PRICE	SDV	10"	2410	723	723	1205	120 F	100 F	55.0	85.0	39.0	9.4	2	5.00	4.16	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-38	AHU-1	PRICE	SDV	16"	3130	1565	1565	1565	120 F	100 F	55.0	85.0	50.7	12.2	2	5.00	5.4	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-39	AHU-1	PRICE	SDV	16"	2260	1125	1125	1125	120 F	100 F	55.0	85.0	36.5	8.8	2	5.00	3.3	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-40	AHU-1	PRICE	SDV	8"	250	125	125	125	120 F	100 F	55.0	85.0	4.1	1.1	2	5.00	0.44	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-41	AHU-1	PRICE	SDV	10"	1000	500	500	500	120 F	100 F	55.0	85.0	16.2	3.9	2	5.00	1.73	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-1-42	AHU-1	PRICE	SDV	8"	100	65	65	80	120 F	100 F	55.0	85.0	1.6	0.5	2	5.00	0.22	241	35	35	SINGLE MN. DUAL MAX	AM

VARIABLE AIR VOLUME TERMINAL SCHEDULE (HYDRONIC HEAT) AHU 5

MARK	SERVED FROM	MANUFACTURER	MODEL	INLET SIZE (IN)	HEATING COIL				HEATING COIL				SOUND POWER				NOTES					
					PRIMARY CFM	MIN PRIM CFM	MIN HEAT CFM	MAX HEAT CFM	HTG EWNT	HTG LWT	EAT	LAT	MBH	GPM	ROW	WPD (FT)		CV	VPH	RADIATED DISCHARGE	CONTROL TYPE	
VAV-5-01	AHU-5	PRICE	SDV	12"	1150	345	345	575	120 F	100 F	55.0	85.0	18.6	4.5	2	5.00	2.0	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-5-02	AHU-5	PRICE	SDV	10"	840	252	252	420	120 F	100 F	55.0	85.0	13.6	3.3	2	5.00	1.5	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-5-03	AHU-5	PRICE	SDV	10"	760	228	228	380	120 F	100 F	55.0	85.0	12.3	3.0	2	5.00	1.3	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-5-04	AHU-5	PRICE	SDV	12"	1240	372	372	620	120 F	100 F	55.0	85.0	20.1	4.8	2	5.00	2.1	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-5-05	AHU-5	PRICE	SDV	6"	100	65	65	80	120 F	100 F	55.0	85.0	1.6	0.5	2	5.00	0.22	241	35	35	SINGLE MN. DUAL MAX	AM
VAV-5-06	AHU-5	PRICE	SDV	6"	100	65	65															

