

01 FLOOR PLAN - MECHANICAL
SCALE: 1/8"=1'-0"

GENERAL NOTES

- SEE PLAN SHEET MP0.0 FOR NOTES, SYMBOLS, AND ABBREVIATIONS. REFER TO SPECIFICATIONS FOR ADDITIONAL PROJECT REQUIREMENTS.
- PROVIDE ACOUSTIC SEAL AT RETURN AIR TRANSFER, SUPPLY OR OUTSIDE AIR DUCTWORK FOR ALL ACOUSTIC WALLS TO DECK.
- CONTRACT DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL INSTALL ALL MECHANICAL MATERIAL PER SMACNA STANDARDS.
- COORDINATE WITH ALL TRADES BEFORE INSTALLING ANY EQUIPMENT OR DUCTWORK.
- PROVIDE RADIUS FITTINGS FOR ALL DUCTWORK, WHERE NOT POSSIBLE SINGLE WALL TURNING VANES IN 30 - 45 DEG. TURNS IN DUCTWORK. TURNS GREATER THAN 45 DEG. SHALL BE DOUBLE WALL.
- REFER TO AIR DEVICE SCHEDULE FOR RUNOUT DUCT SIZED TO DIFFUSERS.
- ALL RUNOUTS TO AIR DEVICES SHALL INCLUDE BALANCING DAMPERS IN ALL SUPPLY AIR, RETURN AIR, AND EXHAUST AIR TAPS AND BRANCH DUCTWORK UNLESS OTHERWISE NOTED. PROVIDE REMOTE BALANCING DAMPERS FOR ALL TAPS MADE ABOVE INACCESSIBLE CEILINGS.

NOTES BY SYMBOL "O"

- CONTRACTOR TO MOVE VAV BOX PLAN NORTH OF NEW WALL AS SHOWN. ADJUST TAPS AS NECESSARY.
- REMOVE AND RELOCATE DIFFUSER/REGISTER AS NECESSARY. ADJUST TO CFM SHOWN FOR SUPPLY DIFFUSER. IF NOT RELOCATED, REMOVE AND RETURN TO OWNER.
- RELOCATED THERMOSTAT. CONTRACTOR TO VERIFY WITH OWNER ON EXACT LOCATION.
- PLACE D-TYPE RETURN REGISTER IN PLACE OF SUPPLY DIFFUSER.
- ADJUST DIFFUSER TO NEW CFM AS SHOWN.

EXISTING AIR DEVICE SCHEDULE

DESIG.	MFG.	DESCRIPTION	NECK SIZE INCHES	MATERIAL	OBD	MODEL NUMBER	NOTES
A	PRICE	24"x4" SUPPLY SLOT DIFFUSER	AS NOTED	ALUM.	N	TBD 3	1,2,3
B	PRICE	48"x4" SUPPLY SLOT DIFFUSER	AS NOTED	ALUM.	N	TBD 3	1,2,3
C	PRICE	24"x24" SQUARE CONE SUPPLY DIFFUSER	AS NOTED	ALUM.	N	SCD	1,2,3
D	PRICE	24"x24" PERFORATED RETURN DIFFUSER	AS NOTED	ALUM.	N	PFRF	1,2,3

NOTES:
1. MATCH FRAME OR AIR DEVICE WITH CEILING. REFERENCE ARCHITECTURAL REFLECTIVE CEILING PLANS AND ROOM FINISH SCHEDULE.
2. REFER TO HVAC DRAWINGS FOR ANY NECK SIZES OTHER THAN THOSE SHOWN ABOVE.

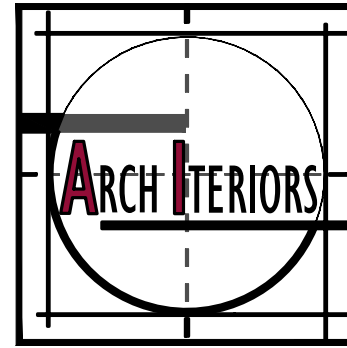
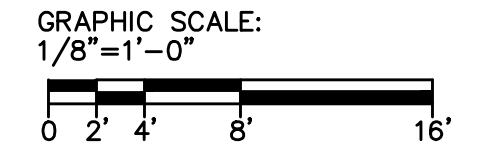
EXISTING FAN POWERED MIXING BOX SCHEDULE

DESIG.	INLET SIZE (IN.)	PRIMARY CFM		APD IN H2O	FAN CFM	POWER				MFG.	MODEL NUMBER	REMARKS
		MIN	MAX			FAN (V/PH)	FAN HP	HEATER (V/PH)	KW			
FPB-A	8"Ø	401	800	0.16	400	EXISTING				TRANE	VPEF	SEE NOTES
FPB-B	10"Ø	801	1100	0.05	550	EXISTING				TRANE	VPEF	SEE NOTES
FPB-C	12"Ø	1101	1600	0.03	800	EXISTING				TRANE	VPEF	SEE NOTES
FPB-D	14"Ø	1601	2200	0.04	1100	EXISTING				TRANE	VPEF	SEE NOTES

EXISTING AIR HANDLING UNIT

DESIG.	SERVES	NOM. TONS	SUPPLY FAN DATA				COOLING COIL DATA			HEATING COIL DATA				ELECTRICAL			MFG.	MODEL NUMBER	OP. WEIGHT (LBS.)	REMARKS		
			CFM	O/A	E.S.P.(IN)	DRIVE	HP	TOTAL MBH	SENS MBH	MIN ROWS	TOTAL MBH	WPD.(FT)	MIN ROWS	MCA	MOCP	MCA					MOCP	V / PH
EX AHU-1	TECH 3113	5.0	2,000	400	0.5	DIRECT	3/4	EXISTING			EXISTING			8.5	15	10.5	15	208 / 3	CARRIER	FV4CNB006	EXISTING	1

NOTES:
1. PROVIDE CONTROL PANEL LABEL LISTING THE SHORT CIRCUIT RATING (SCR IN KAIC) REFER TO ELEC. POWER TO MECH. SCHEDULE FOR RATING REQMTS.



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REVISIONS:

PROJECT NO: 152.1421.00
DRAWN BY: ET
DATE: 09/09/21
CHECKED BY: JS
ISSUED FOR: BID/PERMIT

SHEET **M1.1**
MECHANICAL