

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

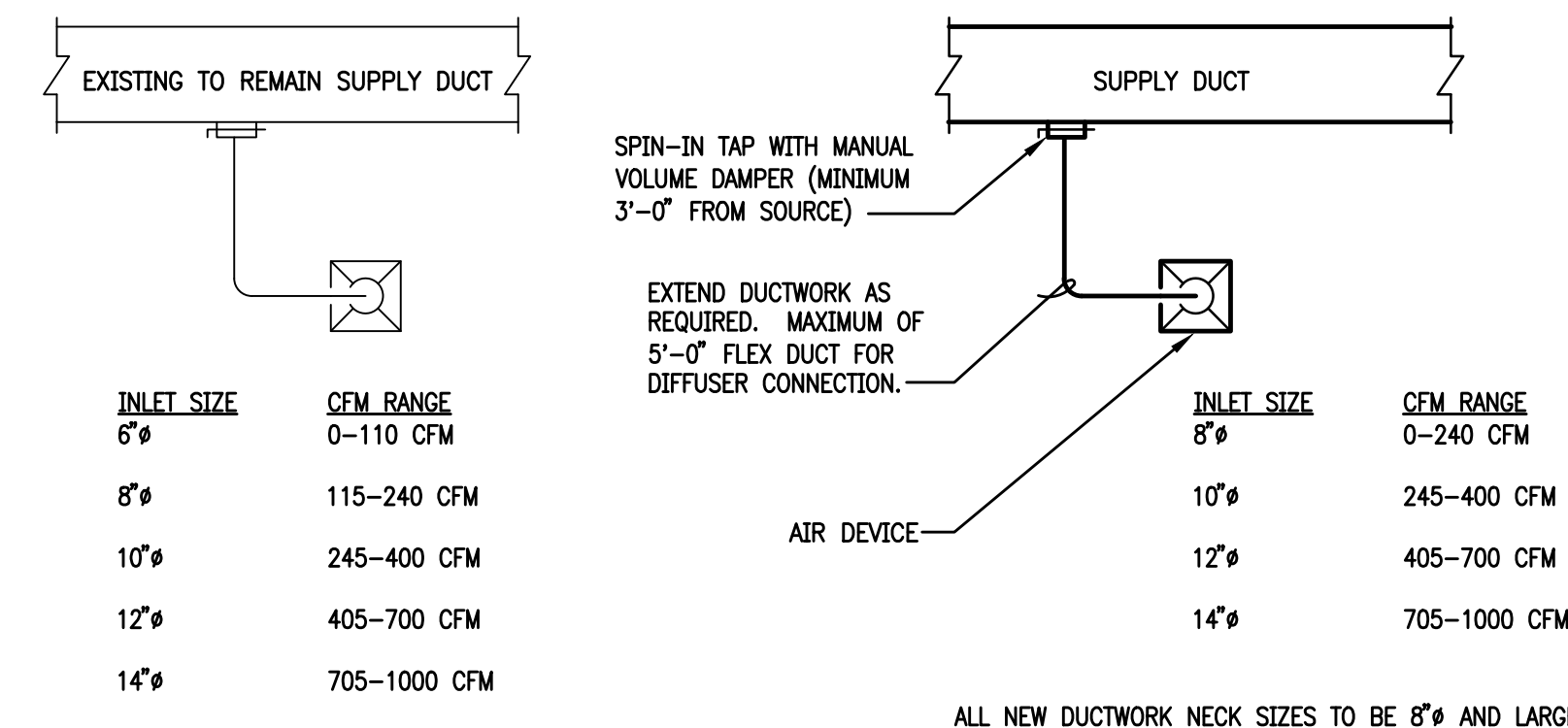
GENERAL NOTES:

- A. FIELD VERIFY EXISTING CONDITIONS PRIOR TO BID AND CONSTRUCTION. NO ALLOWANCES WILL BE MADE FOR LACK OF KNOWLEDGE OF EXISTING CONDITIONS. REPORT ANY DEFICIENCIES TO AOS ENGINEERING.
- B. MOUNT ALL NEW AND RELOCATED THERMOSTATS A MINIMUM OF 48" ABOVE FINISHED FLOOR. THERMOSTAT LOCATIONS ARE DIAGRAMMATIC. FIELD VERIFY EXACT PLACEMENT OF THERMOSTATS WITH TENANT AND ARCHITECT PRIOR TO CONSTRUCTION.
- C. MAINTAIN 10'-0" CLEARANCES FROM ALL EXHAUST TO OUTSIDE AIR INTAKE OPENINGS PER LOCAL CODES.
- D. FOR ALL HVAC EQUIPMENT, MAINTAIN ALL MANUFACTURER REQUIRED CLEARANCES FOR ACCESS AND MAINTENANCE.
- E. PROVIDE SMOKE/FIRE DAMPERS FOR ALL NEW PENETRATIONS IN FIRE RATED WALL. FIELD VERIFY THAT EXISTING PENETRATIONS HAVE APPROPRIATE FIRE/SMOKE DAMPERS.
- F. ANY THERMOSTAT MOUNTED ON EXTERIOR WALLS MUST BE INSULATED BEHIND THERMOSTAT TO PREVENT FALSE READINGS.
- G. EXISTING THERMOSTATS SHALL BE COVERED AND SEALED DURING CONSTRUCTION. ALL EXISTING THERMOSTATS BEING REUSED SHALL BE SERVICED AND CALIBRATED.
- H. CONSTRUCTION FILTERS SHALL REMAIN OR BE PLACED ON ALL FAN POWERED BOXES DURING CONSTRUCTION. FILTERS SHALL BE REMOVED AFTER CONSTRUCTION AND VERIFIED BY BUILDING MANAGEMENT BEFORE CEILING IS CLOSED.
- I. ALL HVAC EQUIPMENT AND ASSOCIATED ELECTRICAL SHALL BE RELOCATED IF NECESSARY TO MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCE FROM ALL DENISING WALLS, WALLS TO DECK, GYPSUM CEILING, AND/OR ANY BUILD OUT MATERIALS THAT MAY OBSTRUCT THE SERVICING OF THE EQUIPMENT.
- J. ALL NEW EXPOSED DUCTWORK TO BE INTERNALLY LINED, SPIRAL WITH GALVANIZED FINISH UNLESS NOTED OTHERWISE. COORDINATE COLOR (IF REQUIRED) WITH ARCHITECT BEFORE BID. PROVIDE PAINT GRIP COATING AS REQUIRED.

KEY NOTES:

- 1. RELOCATED FAN POWERED BOX. EXTEND WIRING AND DUCTWORK TO NEW LOCATION AS REQUIRED. PROVIDE ALL MANUFACTURER REQUIRED CLEARANCES FOR MAINTENANCE AND ACCESS. EXTEND FULL SIZED DUCTWORK AS NEEDED FROM EXISTING LOCATION TO NEW LOCATION AS SHOWN ON PLANS.
- 2. RELOCATED VARIABLE AIR VOLUME BOX. EXTEND WIRING AND DUCTWORK TO NEW LOCATION AS REQUIRED. PROVIDE ALL MANUFACTURER REQUIRED CLEARANCES FOR MAINTENANCE AND ACCESS. EXTEND FULL SIZED DUCTWORK AS NEEDED FROM EXISTING LOCATION TO NEW LOCATION AS SHOWN ON PLANS.
- 3. PROVIDE AND INSTALL SIDEWALL RETURN AIR TRANSFER PER THE SIDEWALL RETURN AIR TRANSFER DETAIL: SIZE AS NOTED.
- 4. PROVIDE AND INSTALL WHITE DUCT COLLAR WHERE DUCTWORK PENETRATES DRYWALL ASSEMBLY.

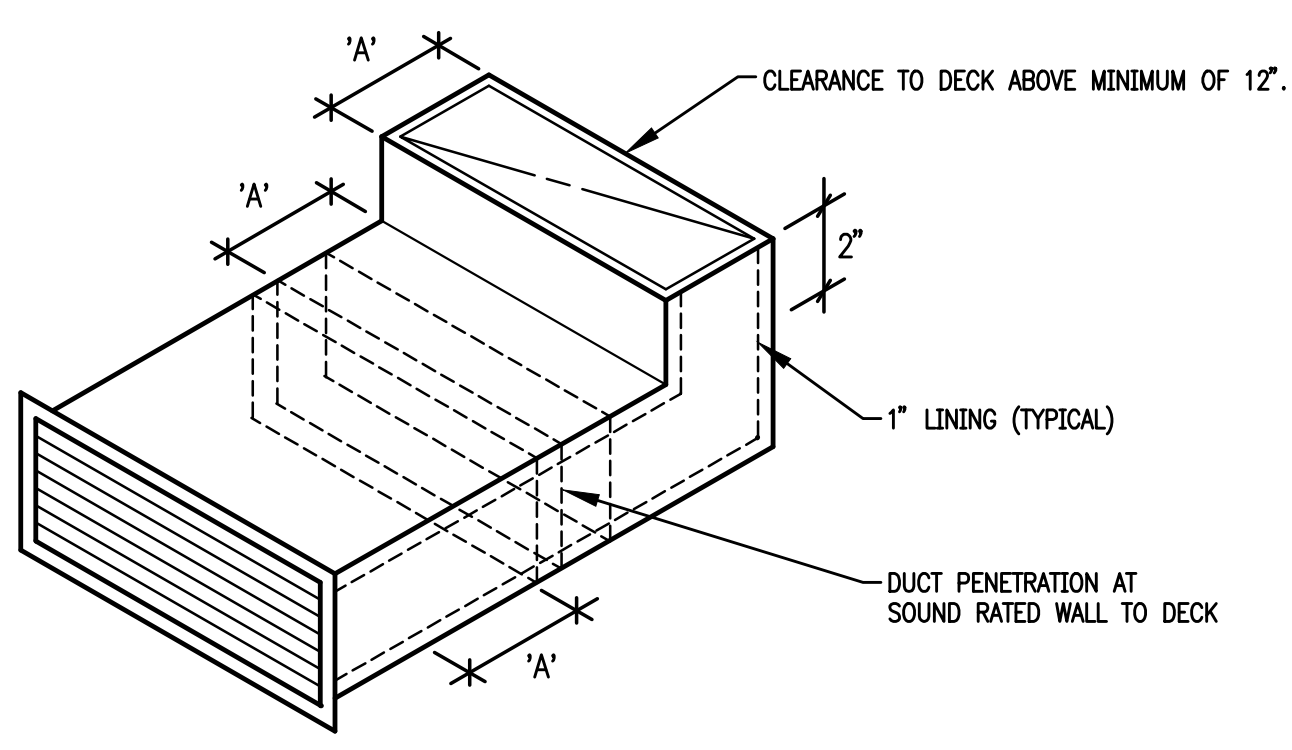
NOTE: CONTRACTOR TO VERIFY EXISTING TAP SIZES AND NOTIFY LANDLORD IF REPLACEMENT IS REQUIRED. REFER TO SCHEDULE BELOW. CAP ALL UNUSED TAPS FLUSH.



3 SUPPLY DIFFUSER CONNECTION DETAIL
SCALE: NOT TO SCALE

INLET SIZE	CFM RANGE	INLET SIZE	CFM RANGE
6"	0-110 CFM	8"	115-240 CFM
8"	115-240 CFM	10"	245-400 CFM
10"	245-400 CFM	12"	405-700 CFM
12"	405-700 CFM	14"	705-1000 CFM
14"	705-1000 CFM		

ALL NEW DUCTWORK NECK SIZES TO BE 8" AND LARGER



2 RETURN AIR TRANSFER (SIDEWALL)
SCALE: NOT TO SCALE

ELECTRIC FAN POWERED BOX SCHEDULE												
GENERAL			COOLING				ELECTRIC HEATING COIL				REMARKS	
DESIG.	MFR.	MODEL #	INLET SIZE (IN.)	DESIGN CFM	COOLING MIN. CFM	ESP (IN. WG.)	VOLTPH	FAN HP	HEATING MIN. CFM	KW		
FPB-1	BUILDING STANDARD	BUILDING STANDARD	12	1020	285	0.5	277/1	3/4	715	0.5	4803	1-9
FPB-2	BUILDING STANDARD	BUILDING STANDARD	8	360	85	0.5	277/1	1/3	240	2.5	4803	1-9

NOTES:
 A. EQUIPMENT TO BE CLEARLY LABELED.
 B. ACCEPTABLE MANUFACTURERS ARE: ENVIRO-TEC, PRICE, TITUS, YORK/JUL TRANE, KRUEGER.
 C. REFER TO SCHEDULE FOR MINIMUM SETPOINTS.

REMARKS:
 1. 7 DAY PROGRAMMABLE THERMOSTAT
 2. SINGLE POINT CONNECTION AND FUSED DISCONNECT FOR EACH UNIT
 3. BOXES SHALL BE PROVIDED WITH MAGNETIC CONTACTORS, SCR AIR FLOW SWITCHES AND DOOR INTERLOCK
 4. FILTER RESISTANCE IS NOT INCLUDED IN THE SCHEDULED EXTERNAL STATIC PRESSURE
 5. BOXES SHALL BE PRESSURE INDEPENDENT
 6. BOXES SHALL BE DDC
 7. INLET DUCT SIZE SHALL MATCH THE BOX SIZE AS SCHEDULED. INSTALLED MAXIMUM OF 9' OF FLEXIBLE DUCTWORK AT THE PRIMARY INLET OF THE BOX
 8. ALL BOXES OVER 2,000 CFM TO CONTAIN A DEDICATED SMOKE DETECTOR IN THE RETURN AIR PATH OF THAT SPECIFIC TERMINAL. COORDINATE FINAL LOCATION WITH A/H.
 9. BOXES SHALL BE COMPLETE WITH BRAND NAME DDC ELECTRONIC CONTROLS AND CONNECTED TO BUILDING AUTOMATION SYSTEM

VARIABLE AIR VOLUME BOX SCHEDULE						
GENERAL			MECHANICAL			
DESIG.	SERVES	MFR.	MODEL #	INLET SIZE (IN.)	DESIGN CFM	COOLING MIN. CFM
VAV-1	HUDDLE 221	BUILDING STANDARD	BUILDING STANDARD	6	100	25

NOTES:
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 C. REFER TO SCHEDULE FOR MINIMUM SETPOINTS.

REMARKS:
 1. 7 DAY PROGRAMMABLE THERMOSTAT
 2. SINGLE POINT CONNECTION AND FUSED DISCONNECT FOR EACH UNIT
 3. ALL BOXES OVER 2,000 CFM TO CONTAIN A DEDICATED SMOKE DETECTOR IN THE RETURN AIR PATH OF THAT SPECIFIC UNIT. COORDINATE FINAL LOCATION WITH A/H.
 4. BOXES SHALL BE DDC
 5. BOXES SHALL BE COMPLETE WITH BRAND NAME DDC ELECTRONIC CONTROLS AND CONNECTED TO BUILDING AUTOMATION SYSTEM
 6. PROVIDE 120V TO 24V CONTROL TRANSFORMER
 7. INLET DUCT SIZE SHALL MATCH THE BOX SIZE AS SCHEDULED. INSTALLED MAXIMUM OF 9' OF FLEXIBLE DUCTWORK AT THE PRIMARY INLET OF THE BOX

CONTRACTOR SHALL COORDINATE MEP DRAWINGS WITH ALL OTHER DISCIPLINES