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THE PARADIES SHOPS

SEAL:
REVIEWED & APPROVED BY: _____
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PROJECT NUMBER:
2777

DRAWING NAME:
MECHANICAL SCHEDULES, DETAILS, & NOTES

DRAWING NUMBER:
M-2

HVAC SYMBOLS AND ABBREVIATIONS

	SUPPLY AIR DUCT UP/DOWN	V*—*	VAV BOX
	RETURN/EXHAUST AIR DUCT UP/DOWN	CFM	CUBIC FEET PER MINUTE
	NEW DUCTWORK	DIA.	DIAMETER
	FLEXIBLE DUCT	○	DIFFUSER DESIGNATION
	EXISTING DUCTWORK TO REMAIN	⊗	REMOTE TEMPERATURE SENSOR
	EXISTING DUCTWORK TO BE REMOVED	⊠	SUPPLY DIFFUSER
	VOLUME DAMPER	⊞	RETURN OR EXHAUST GRILLE
	CONNECTION POINT (EXIST/NEW)	▶◀	FIRE DAMPER

NEW VAV SCHEDULE

MARK	MAX CFM		BOX INLET	MAIN	MFG. & MODEL
	COOLING	HEATING			
V-1	1200	1000	10"	12"	TRANE VCCF-10
V-2	400	325	6"	8"	TRANE VCCF-6

- PROVIDE REMOTE SENSOR COMPATIBLE WITH THE EXISTING AIRPORT CONTROL SYSTEM
- LOCATE 24" MAX ABOVE CEILING GRID TO ENSURE ACCESSIBILITY
- PROVIDE DISCHARGE TEMPERATURE AND AIRFLOW SENSORS FROM MAINE CONTROLS.

DIFFUSER SCHEDULE

MARK	TYPE	FACE	BASIS OF DESIGN	
			TITUS	OMNI
A	SUPPLY	24"x24"	TITUS	OMNI
B	RETURN	24"x24"	TITUS	PAR

1. FINISH TO MATCH ARCHITECTURAL.
2. PROVIDE LIGHTSHIELD FOR "B"

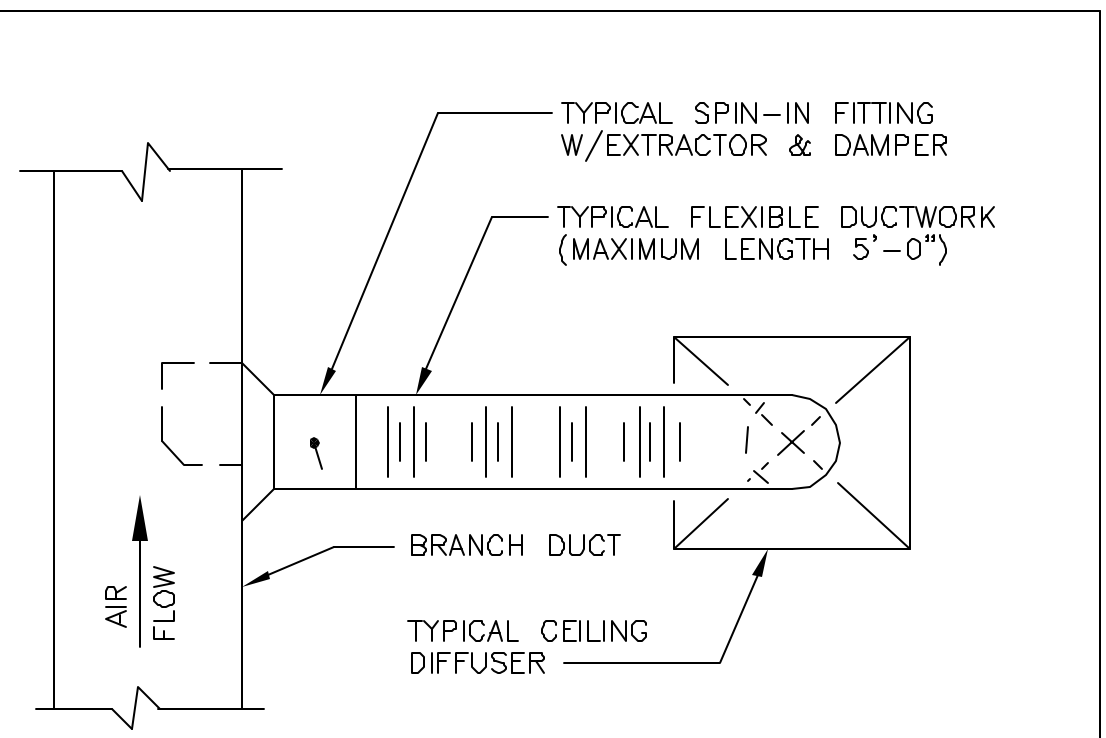
RENOVATION NOTES:

1. VISIT THE SITE AND CAREFULLY EXAMINE THE EXISTING CONDITIONS BEFORE SUBMITTING BIDS, AS NO ALLOWANCE WILL BE MADE FOR LACK OF KNOWLEDGE OF EXISTING CONDITIONS WHERE SUCH CONDITIONS MAY REASONABLY BE DETERMINED BY OBSERVATION.
2. THE EXISTING INSTALLATION IS TO REMAIN IN PLACE AND IN SERVICE EXCEPT AS OTHERWISE INDICATED OR SPECIFIED. ALL WORK NECESSARY TO PROPERLY TIE IN THE NEW WORK WITH THE EXISTING WORK AND ADAPT THE EXISTING INSTALLATION TO THE CHANGES IN THE BUILDING AND IN THE SYSTEMS SHALL BE PERFORMED.
3. EXPOSED DUCTWORK, PIPING AND CONTROLS RENDERED USELESS DUE TO CHANGES IN THE BUILDING SHALL BE REMOVED.
4. CONCEALED DUCTWORK, PIPING AND CONTROLS EXPOSED BY THE REMOVAL OF WALLS, PARTITIONS, ETC., SHALL BE REMOVED OR RECONNECTED AS REQUIRED.
5. OPENINGS IN DUCTWORK SHALL BE BLANKED OFF AND MADE AIR TIGHT.
6. ALL EQUIPMENT WHICH IS TO REMAIN IN SERVICE, BUT TEMPORARILY DISCONNECTED DUE TO THE ALTERATIONS TO THE BUILDING OR SYSTEMS, SHALL BE RECONNECTED AND RESTORED TO ITS ORIGINAL OPERATING CONDITION.
7. THE SIZE AND LOCATION OF EXISTING EQUIPMENT AND DUCTWORK SHOWN ON THE DRAWINGS SHALL BE VERIFIED AT THE SITE.
8. EXISTING MATERIAL THAT IS REMOVED AND NOT REUSED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PREMISES.
9. WHERE EXISTING INSULATION IS DAMAGED DUE TO NEW WORK, IT SHALL BE REPLACED WITH INSULATION OF THE TYPE SPECIFIED FOR THE NEW WORK.
10. SPRINKLER HEADS ARE EXISTING. CONTRACTOR SHALL RELOCATE HEADS AS REQUIRED TO MEET THE NEW ARCHITECTURAL LAYOUT AND CEILING HEIGHTS. ALL NEW SPRINKLER HEADS AND PIPING SHALL BE IN ACCORDANCE WITH THE LOCAL FIRE MARSHALL CODES AND PER THE LANDLORD INSURANCE UNDERWRITERS. CONTRACTOR SHALL SUBMIT DRAWINGS AS REQUIRED TO THE FIRE MARSHALL FOR APPROVAL.

GENERAL MECHANICAL NOTES:

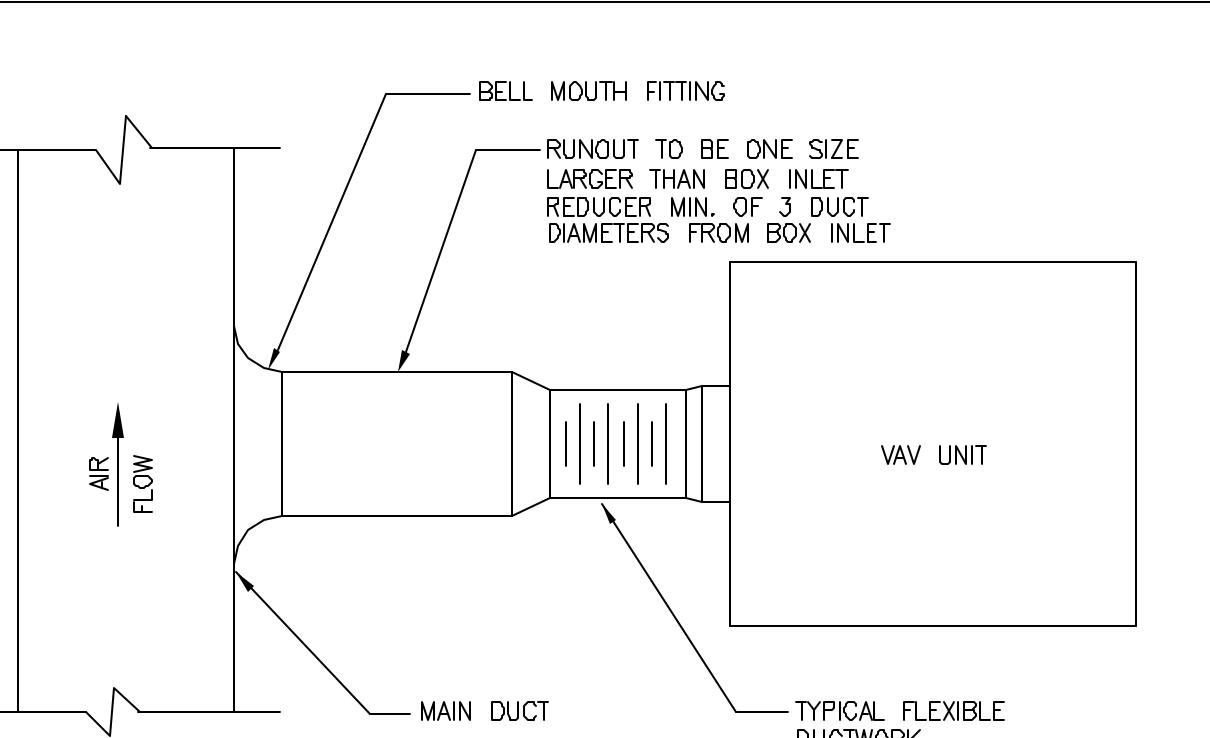
1. MOUNT THERMOSTATS 48" ABOVE FINISH FLOOR TO CENTER.
2. DUCTWORK AND EQUIPMENT SHOWN IS DIAGRAMMATIC. COORDINATE AND ROUTE DUCTWORK TO MEET JOB REQUIREMENTS. LOCATION OF EQUIPMENT MUST BE COORDINATED WITH ALL DISCIPLINES BEFORE FINAL LOCATIONS ARE SELECTED. WEIGHTS OF EQUIPMENT MUST BE VERIFIED AND COORDINATED WITH STRUCTURAL SYSTEMS BEFORE EQUIPMENT CAN BE INSTALLED AT JOBSITE.
3. SPACE ALLOCATED FOR MECHANICAL AND OTHER WORK ABOVE THE SUSPENDED CEILING IS CRITICAL. LIGHT FIXTURES AND AIR DIFFUSERS HAVE BEEN LOCATED TO ACHIEVE A DEFINITE ARCHITECTURAL EFFECT AND MAY NOT BE CHANGED WITHOUT THE CONSENT OF THE ARCHITECT. BECOME FAMILIAR WITH THE ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS PRIOR TO FABRICATING AND INSTALLING ANY MATERIALS. HANG DUCTWORK AS CLOSE AS POSSIBLE TO THE STRUCTURE ABOVE, UNLESS INDICATED OTHERWISE.
4. WHERE THE SPACE ABOVE THE SUSPENDED CEILING IS USED AS A RETURN AIR PLENUM, COORDINATE THE WORK OF OTHER TRADES TO PROVIDE ADEQUATE SPACE FOR THE FLOW OF RETURN AIR (250 FPM MAXIMUM VELOCITY). WHERE PARTITIONS ARE EXTENDED TO THE STRUCTURE ABOVE, PROVIDE OPENINGS IN THE PARTITIONS ABOVE THE CEILING.
5. ALL FIRE DAMPERS TO BE RATED AT 1-1/2 HOURS UNLESS INDICATED OTHERWISE. USE "B" FRAME FIRE DAMPERS FOR DAMPERS CONNECTED TO DUCTWORK.
6. SIZE REFRIGERANT PIPING PER MANUFACTURERS RECOMMENDATIONS FOR ACTUAL LINE LENGTHS AND VERTICAL LIFT REQUIRED.
7. COORDINATE THE LOCATION OF CEILING DIFFUSERS, REGISTERS AND GRILLES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS.
8. FLEXIBLE RUNOUTS TO BE SAME SIZE AS DIFFUSER NECK. REFER TO DIFFUSER SCHEDULE.
9. PASSAGES OF PIPES, CONDUITS, BUS DUCTS, CABLES, WIRES, AIRDUCKS, PNEUMATIC DUCTS, AND SIMILAR BUILDINGS SERVICE EQUIPMENT THROUGH FIRE BARRIERS SHALL BE PROTECTED AS FOLLOWS:

THE SPACE BETWEEN THE PENETRATING ITEM AND FIRE BARRIER SHALL BE FILLED WITH A MATERIAL CAPABLE OF MAINTAINING THE FIRE RESISTANCE RATING OF THE FIRE BARRIER PRODUCT. PRODUCT USED MUST MEET TEST METHODS ASTM E814 OR NFPA 251 FOR FIRE RATING.



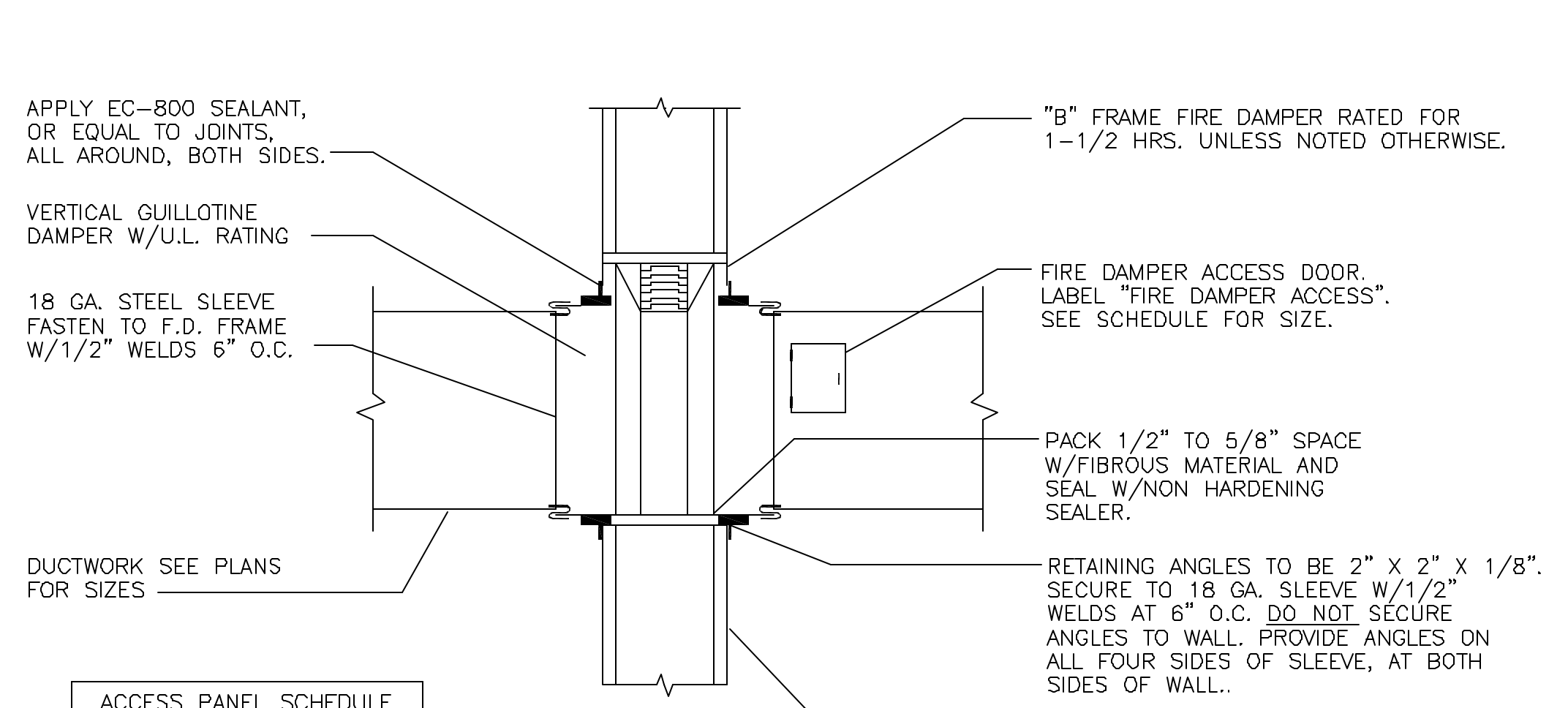
TYPICAL FLEX TAKE-OFF

NOT TO SCALE
NOTE: MINIMUM 2'-0" BETWEEN TAKE OFF'S



TYPICAL BELL MOUTH FITTING DETAIL

NOT TO SCALE

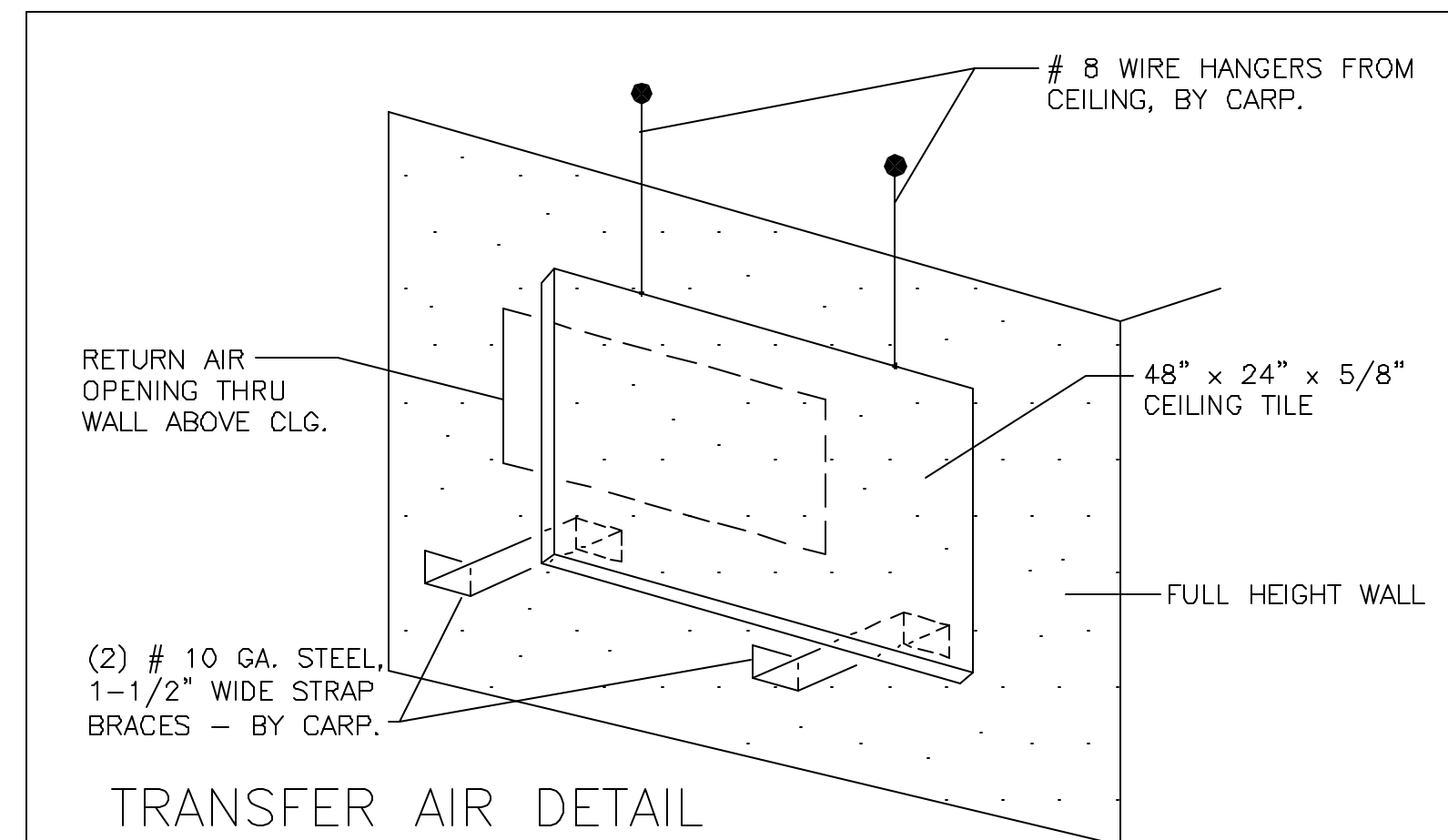


ACCESS PANEL SCHEDULE

DUCT WIDTH	PANEL SIZE
UP TO 12"	6"x12"
13" TO 24"	12"x12"
25" & OVER	18"x18"

FIRE DAMPER AT WALL

NOT TO SCALE



TRANSFER AIR DETAIL

NOT TO SCALE
NOTE: PROVIDE FOR ALL SPACES WITH FULL HEIGHT WALLS THAT REQUIRE RETURN AIR PATH TO THE CENTRAL HVAC SYSTEM