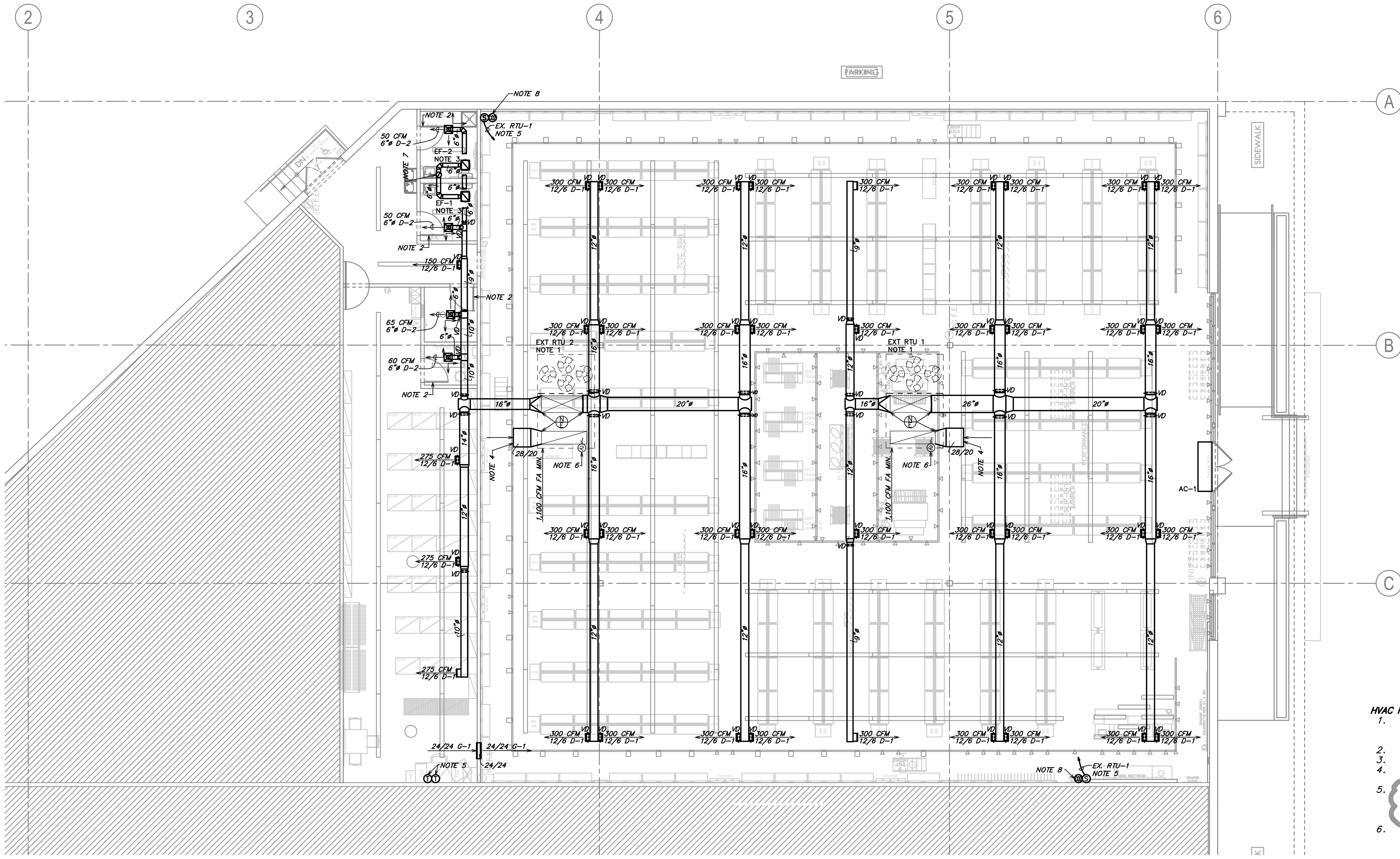

1 HVAC PLAN

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

NORTH

HVAC NOTES:

1. EXISTING LANDLORD PROVIDED 15 TON ROOFTOP UNIT TO REMAIN. CONTRACTOR SHALL BALANCE EXISTING UNIT TO PROVIDE 6,000 CFM OF SUPPLY AIR THE OUTDOOR AIR AS INDICATED ON THE PLANS. FIELD VERIFY EXACT LOCATION.
2. CONTRACTOR SHALL UNDERCUT DOOR 3/4".
3. PROVIDE NEW EXHAUST FAN AS NOTED ON PLANS AND AS SCHEDULED ON SHEET M2.
4. OPEN END RETURN AIR DUCT. PROVIDE OPENING WITH 1/4" MESH GALVANIZED SCREEN.
5. SKECHER'S FURNISHED EMS CONTROLLER TO BE INSTALLED BY EMS VENDOR. THERMOSTAT AND TEMPERATURE SENSOR TO BE INSTALLED BY CONTRACTOR AS SHOWN ON PLANS. COORDINATE MAKE, MODEL AND FINAL LOCATION WITH EMS VENDOR PRIOR TO ROUGH-IN. (2)
6. VERIFY EXISTING CONDITIONS. IF NOT PRESENT, DUCT SMOKE DETECTOR ON RETURN SIDE DUCT AND SHUTDOWN RELAY SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR FOR INSTALLATION BY THE MECHANICAL CONTRACTOR. ALL WIRING SHALL BE BY THE ELECTRICAL CONTRACTOR.
7. PROVIDE 8"ø EXHAUST AIR DUCT UP TO ROOF CAP. CONTRACTOR SHALL FIELD VERIFY THAT THE LOCATION SHOWN IS A MINIMUM OF 10'-0" FROM ANY OUTDOOR AIR INTAKE. COORDINATE ROOF CAP PAINT COLOR WITH ARCHITECT AND OWNER.
8. RELOCATED LANDLORD PROVIDED CO2 SENSOR. COORDINATE EXACT LOCATION IN FIELD WITH CONSTRUCTION MANAGER. PROVIDE ADDITIONAL CONTROL WIRING AS REQUIRED.

GENERAL NOTES:

A. EXISTING CONDITIONS ARE BASED ON RECORD DRAWINGS PROVIDED BY THE OWNER AND/OR LIMITED FIELD VERIFICATION BY OTHERS. CONTRACTOR SHALL ADJUST TO ACTUAL FIELD CONDITIONS AT NO ADDITIONAL EXPENSE TO THE PROJECT.
B. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF ALL EXISTING CONDITIONS PRIOR TO SUBMITTING THE BID. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR ANY EXTRAS DUE TO THE CONTRACTOR'S FAILURE TO VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID. ANY DISCREPANCIES SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER FOR RESOLUTION.
C. ALL CONTRACTORS SHALL REVIEW A COMPLETE SET OF CONSTRUCTION DOCUMENTS.
D. CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH DEMOLITION WORK PRIOR TO BIDDING AND START OF WORK. CONTRACTOR IS RESPONSIBLE TO DEMOLISH ALL EXISTING AS REQUIRED FOR INSTALLATION/CONSTRUCTION OF NEW WORK.
E. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE GOVERNMENT AND LOCAL CODES.
F. MECHANICAL CONTRACTOR SHALL FIELD COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL POWER REQUIREMENTS.
G. ALL CONTRACTORS SHALL REVIEW A COMPLETE SET OF CONSTRUCTION DOCUMENTS AND COOPERATE WITH THE OTHER TRADES SO THAT THE INSTALLATION OF ALL EQUIPMENT MAY BE PROPERLY COORDINATED.
H. ALL EQUIPMENT FURNISHED SHALL FIT THE SPACE AVAILABLE WITH CONNECTIONS IN THE REQUIRED LOCATIONS AND WITH ADEQUATE SPACE FOR OPERATING AND SERVICING. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND INDICATE THE INTENT OF THE INSTALLATION WHILE THE SPECIFICATIONS AND EQUIPMENT LIST DENOTE THE TYPE AND QUALITY OF MATERIAL AND WORKMANSHIP TO BE USED. THE DRAWINGS SHALL NOT BE SCALED FOR EXACT MEASUREMENTS. WHERE A CONFLICT EXISTS BETWEEN THE DRAWINGS AND THE SPECIFICATIONS, THE HIGHER AND/OR MORE COSTLY STANDARD WILL APPLY. THE CONTRACTOR SHALL PROMPTLY NOTIFY THE ENGINEER WHOSE DECISION SHALL BE FINAL. NO ALLOWANCE WILL BE MADE SUBSEQUENTLY IN THIS REGARD ON BEHALF OF THE CONTRACTOR AFTER AWARD OF THE CONTRACT.
I. COORDINATE DUCT ROUTING AND HEIGHTS WITH GENERAL CONTRACTOR. VERIFY ALL CLEARANCES BEFORE STARTING WORK.
J. THE CONTRACTOR SHALL INSTALL ALL PIPING, DUCTWORK AND EQUIPMENT AS REQUIRED TO CONFORM TO THE STRUCTURE, AVOID OBSTRUCTIONS, PRESERVE CEILING HEIGHTS AND HEADROOM AND MAKE ALL EQUIPMENT REQUIRING MAINTENANCE OR REPAIR ACCESSIBLE.
K. ALL DUCT CONNECTIONS TO HVAC EQUIPMENT MUST BE MADE WITH FLEXIBLE CONNECTORS.
L. DO NOT ATTACH ANYTHING TO DECK ABOVE. ATTACH TO STRUCTURE (i.e. BEAMS, JOISTS) ONLY. DUCT HANGERS SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODE. ALL CONNECTIONS TO JOISTS SHALL BE MADE AT THE TOP CORD.
M. ALL DUCT DIMENSIONS INDICATED ARE CLEAR INSIDE DIMENSIONS. ALL SUPPLY AND UNTEMPERED OUTDOOR AIR DUCTWORK SHALL BE LINED WITH 1" ACOUSTICAL DUCT LINER OR WRAPPED WITH 1-1/2" THICK FIRE RETARDANT FIBERGLASS WITH A REINFORCED ALUMINUM FOIL JACKET AND SHALL BE APPROVED FOR USE BY SMACNA AND NAIMA. RETURN AIR TRANSFER DUCTS AND RETURN DUCTWORK WITHIN 10 FEET OF THE UNIT FAN SHALL BE LINED WITH 1" ACOUSTICAL DUCT LINER.
N. ALL SUPPLY AND UNTEMPERED OUTDOOR AIR DUCTWORK VISIBLE TO THE PUBLIC SHALL BE INTERNALLY LINED AND PAINTED TO MATCH THE SURROUNDING AREA. DUCT WRAP INSULATION IS NOT PERMITTED IN THESE AREAS.
O. EXPOSED SPIRAL DUCT TO BE GALVANIZED FINISH, FREE FROM SCRATCHES, DENTS OR BLEMISHES AND PAINTED TO MATCH THE SURROUNDING AREA. DUCT SHALL BE INTERNALLY LINED AND SEALED WITH DUCT SEALER COMPLETELY CONCEALED WITHIN THE DUCT JOINT. NO EXPOSED SEALER OR TAPE WILL BE ACCEPTED.
P. ALL EXPOSED DUCTWORK SHALL BE INSTALLED TIGHT TO THE BOTTOM OF THE STRUCTURE.
Q. AT THE START OF CONSTRUCTION, THE MECHANICAL CONTRACTOR SHALL INSPECT AND RUN TEST ALL EXISTING HVAC UNITS DESIGNATED FOR REUSE. CONTRACTOR SHALL INFORM THE ENGINEER OF ANY NECESSARY REPAIRS FOR APPROVAL IN A TIMELY MANNER, AS TO NOT DELAY THE PROJECT OPENING DATE.
R. PROVIDE REMOTE VOLUME DAMPER CONTROL MANUFACTURED BY YOUNG REGULATOR OR UNITED ENERTECH FOR DAMPERS LOCATED ABOVE INACCESSIBLE CEILINGS. LOCATE CONTROLLER ABOVE ACCESSIBLE CEILING LOCATION.
S. TENANT'S CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIELD VERIFICATION OF ALL UTILITY RUNS AND/OR OTHER IMPROVEMENTS LOCATED ON THE PREMISES PRIOR TO BIDDING. TENANT'S CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL COSTS RELATING TO THE RELOCATION OF, DAMAGE TO, REPAIR OF ANY EXISTING UTILITY RUNS AND/OR IMPROVEMENTS WHICH ARE DAMAGED AS A RESULT OF TENANT'S WORK IN OR AROUND THE PREMISES.
T. ALL ROOFING WORK SHALL BE PERFORMED BY LANDLORD'S APPROVED ROOFING CONTRACTOR AT TENANT'S EXPENSE, IF REQUIRED IN LEASE OR TENANT CRITERIA MANUAL.
U. ROOF MOUNTED EQUIPMENT SHALL BE LABELED WITH THE TENANT NAME AND SPACE NUMBER WITH 3" HIGH WEATHER PROOF LETTERS.
V. MECHANICAL CONTRACTOR SHALL PROVIDE TENANT WITH A WRITTEN ONE (1) YEAR MANUFACTURER'S WARRANTY ON ALL HVAC EQUIPMENT PROVIDED AND / OR INSTALLED. THE WARRANTY SHALL INCLUDE ALL LABOR, MATERIALS AND THREE (3) ROUTINE SERVICES INCLUDING FILTER CHANGES DURING A ONE (1) YEAR PERIOD.
W. AT THE COMPLETION OF CONSTRUCTION AN NEBB, AABC OR TABB CERTIFIED AIR BALANCE REPORT SHALL BE SUBMITTED TO THE ENGINEER AND LANDLORD. THE BALANCING MUST BE COMPLETED BY AN INDEPENDENT, THIRD PARTY CONTRACTOR WITH NO TIES TO THE INSTALLING CONTRACTORS.
X. PARTS OF THE BASE BUILDING SYSTEMS THAT FALL INTO LEASE LINE SHALL REMAIN UNDISTURBED UNLESS NOTED OTHERWISE.
Y. PROVIDE ALL NECESSARY WIRING, RELAYS, DETECTORS, COMPONENTS, ETC., FOR FIRE ALARM OR CONTROL SYSTEM INTERLOCK IF APPLICABLE. VERIFY WITH BUILDING PERSONNEL BEFORE BID.

CODE: 2018 INTERNATIONAL MECHANICAL CODE

SYSTEM 1 BLOCK LOAD

ROOM #	NAME	Az AREA (FT2)	TABLE 403.3.1.1 OCCUPANCY CATEGORY	TABLE 403.3.1.1 Rp PEOPLE OA (CFM/PER)	TABLE 403.3.1.1 Ra AREA OA (CFM/FT2)	TABLE 403.3.1.1 OCCUPANT DENSITY (#/1000 FT2)	Pz (#)	Rp*Pz	Ra*Az	Vbz (CFM)	TABLE 403.3.1.1.1.2 Ez	Voz (CFM)	Vpz MAX SUPPLY (CFM)	Vpzm MIN SUPPLY (CFM)	Zp	CALCULATED TABLE 403.3.1.1.2.3.2 Ev
100	SALES	7,754	SALES	7.5	0.12	15	117	878	930	1808	0.80	2260	10800	10800	0.209	0.94
101	RR	61	NO LISTING	0.0	0.00	0	0	0	0	0	0.80	0	50	50	0.000	1.00
102	RR	52	NO LISTING	0.0	0.00	0	0	0	0	0	0.80	0	50	50	0.000	1.00
103	CORRIDOR	244	CORRIDORS	0.0	0.06	0	0	0	15	15	0.80	18	150	150	0.122	1.00
104	FITTING	46	SALES	7.5	0.12	15	1	8	6	13	0.80	16	65	65	0.250	0.90
105	OFFICE	33	OFFICE SPACES	5.0	0.06	5	2	10	2	12	0.80	15	60	60	0.250	0.90
106	STOCK	960	STORAGE ROOMS	0.0	0.12	0	0	0	115	115	0.80	144	825	825	0.175	0.98
		9,150					120	895	1068	1963		2454	12000	12000	0.250	0.90

OUTDOOR AIR CALCULATIONS PER EQUATION 4-1:

SYMBOL	VALUE	DESCRIPTION
Ps =	120	SYSTEM POPULATION
SPz =	120	ZONE POPULATION
D =	1.00	OCCUPANT DIVERSITY
Vou =	1963	UNCORRECTED OUTDOOR AIR INTAKE
Zp (max) =	0.250	ZONE PRIMARY OUTDOOR AIR FRACTION (MAXIMUM)
Ev =	0.90	SYSTEM VENTILATION EFFICIENCY
SVpz =	12000	ZONE PRIMARY AIRFLOW
Vot =	2,182	CODE REQUIRED OUTDOOR AIRFLOW RATE, CFM
Vot =	2,200	DESIGN OUTDOOR AIRFLOW RATE, CFM

2 VENTILATION CALCULATIONS

LEGEND
- EXISTING
- NEW WORK
- NEW TO EXISTING CONNECTION

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TEL. (310) 318-3100

PROJECT

CONCEPT TYPE:
BBS

SKECHERS #1551
MAD RIVER STATION
2661 MIAMISBURG CENTERVILLE ROAD
DAYTON, OH 45459

REVISIONS

NO.	DESCRIPTION	DATE
1	LANDLORD COMMENTS	10.17.2024
2	CLIENT COMMENTS	10.17.2024

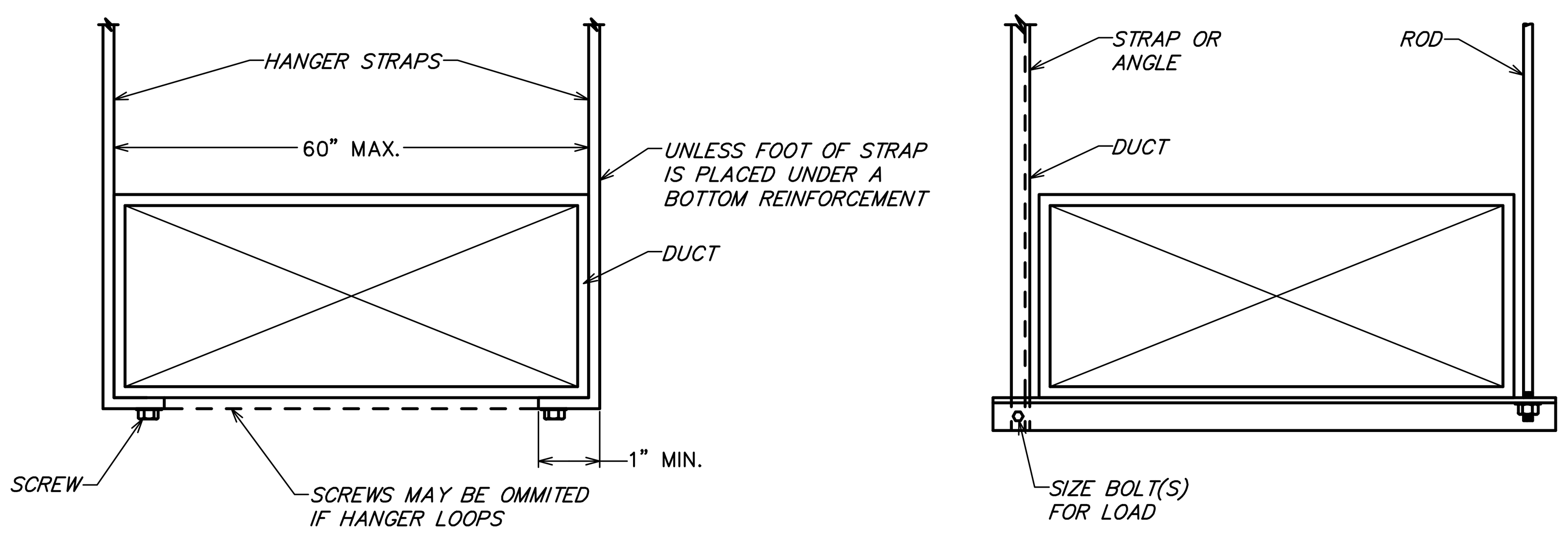
STATE OF OHIO
GREGORY R. SCHNACKEL
E-59866
PROFESSIONAL ENGINEER
Date: 10/17/24 COA #: 03180

SHEET TITLE

HVAC PLAN

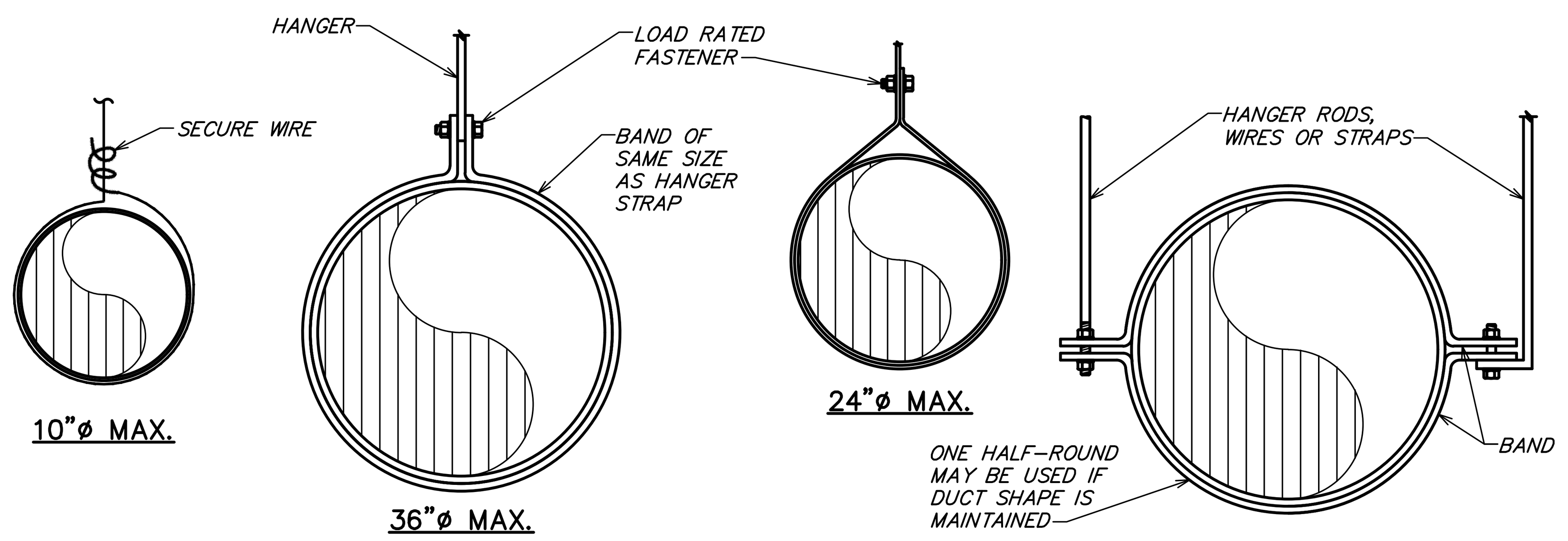
DATE: 08.29.24	SCALE: AS NOTED
DRAWN BY: SEI	DRAWING FILE: E1.DWG
CHECKED BY: AN	SHEET NUMBER: M1
PROJECT NO: 11346-24	

SE JOB#: 240460



STRAP HANGER

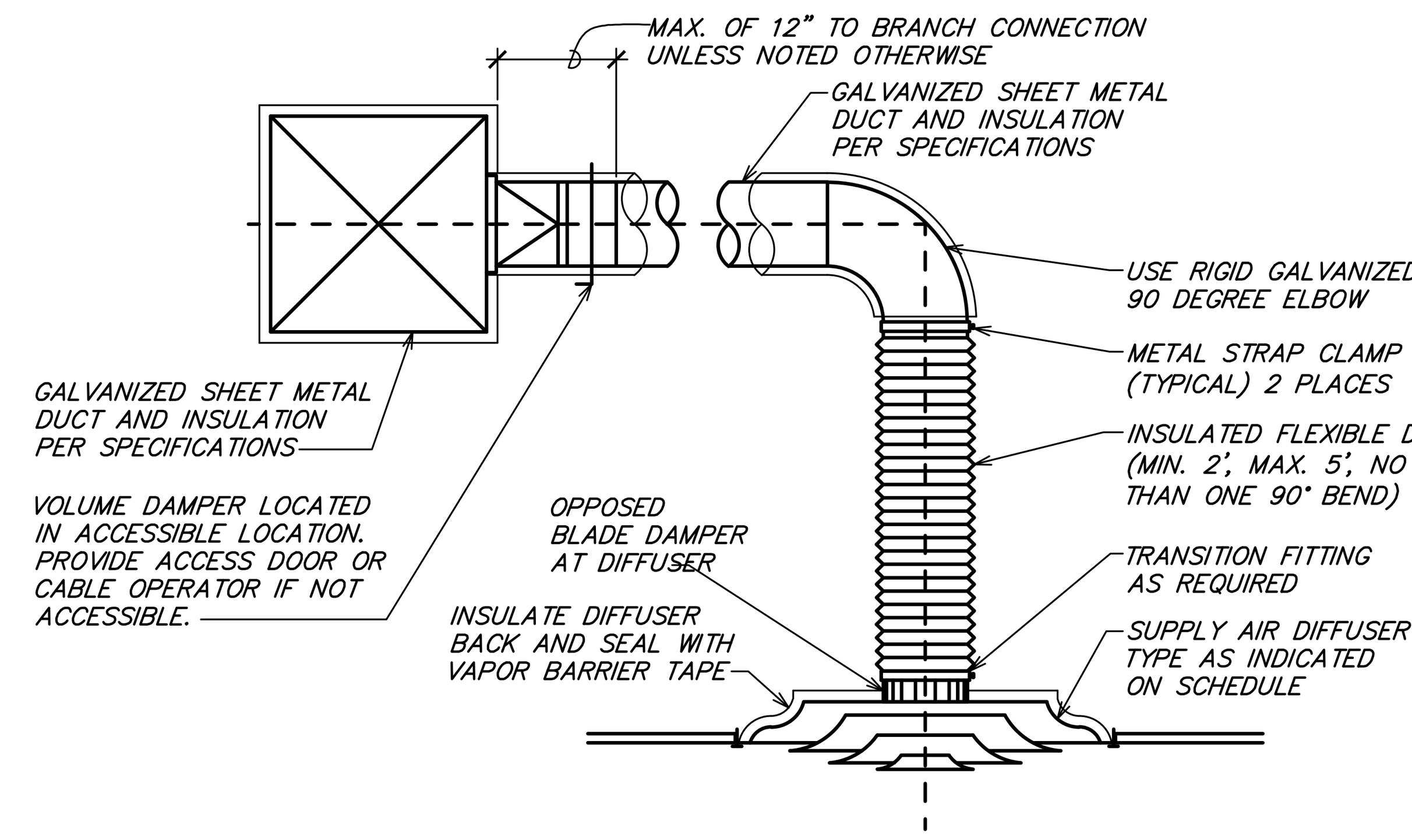
TRAPEZE HANGER



NOTE: HANGERS MUST NOT DEFORM DUCT SHAPE

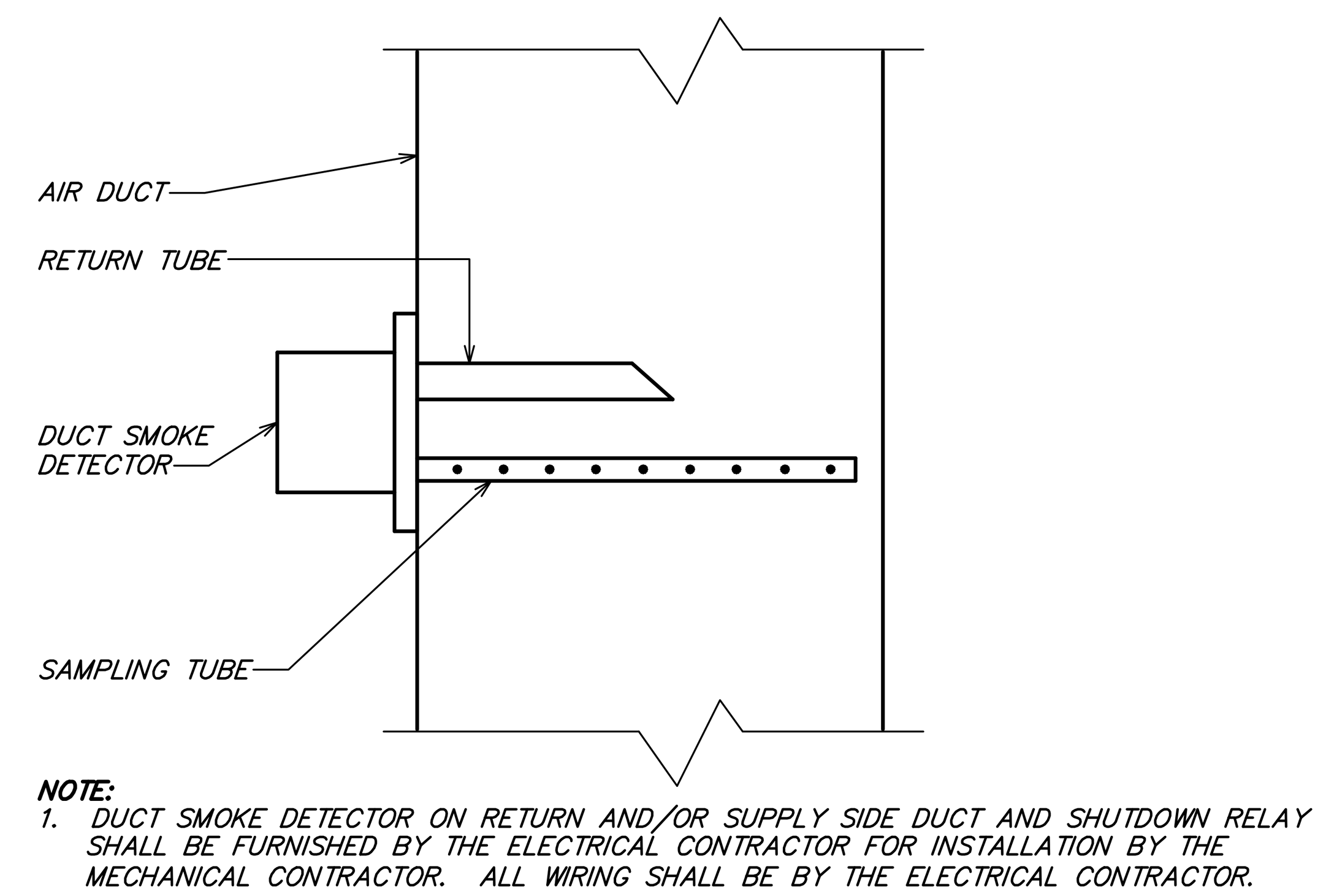
7 DUCT HANGER DETAIL

NOT TO SCALE



4 TYPICAL DIFFUSER CONNECTION

NOT TO SCALE



NOTE:
1. DUCT SMOKE DETECTOR ON RETURN AND/OR SUPPLY SIDE DUCT AND SHUTDOWN RELAY SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR FOR INSTALLATION BY THE MECHANICAL CONTRACTOR. ALL WIRING SHALL BE BY THE ELECTRICAL CONTRACTOR.

5 DUCT SMOKE DETECTOR DETAIL

NOT TO SCALE

DIFFUSERS, GRILLES AND REGISTERS

MARK	SERVICE	LOCATION	CEILING TYPE	MOUNTING TYPE	MANUFACTURER	MODEL NUMBER	REMARKS
D-1	SUPPLY	DUCT	NA	SURFACE	TITUS	300RL X X 1 26	[1,4]
D-2	SUPPLY	CEILING	GYP. BOARD	LAY-IN	TITUS	OMNI XX 12x12 3 26	[1-3]
G-1	TRANSFER	WALL	NA	SURFACE	TITUS	350RL X X 1 26	[1,4]

REMARKS:
1. TITUS IS THE BASE OF DESIGN. KRUEGER, PRICE, NAILOR, CARNES ARE EQUAL. NO EXCEPTIONS.
2. SEE PLAN FOR NECK SIZE.
3. PROVIDE WITH MODEL TRM FRAME.
4. SEE PLAN FOR SIZE.

EXHAUST FANS

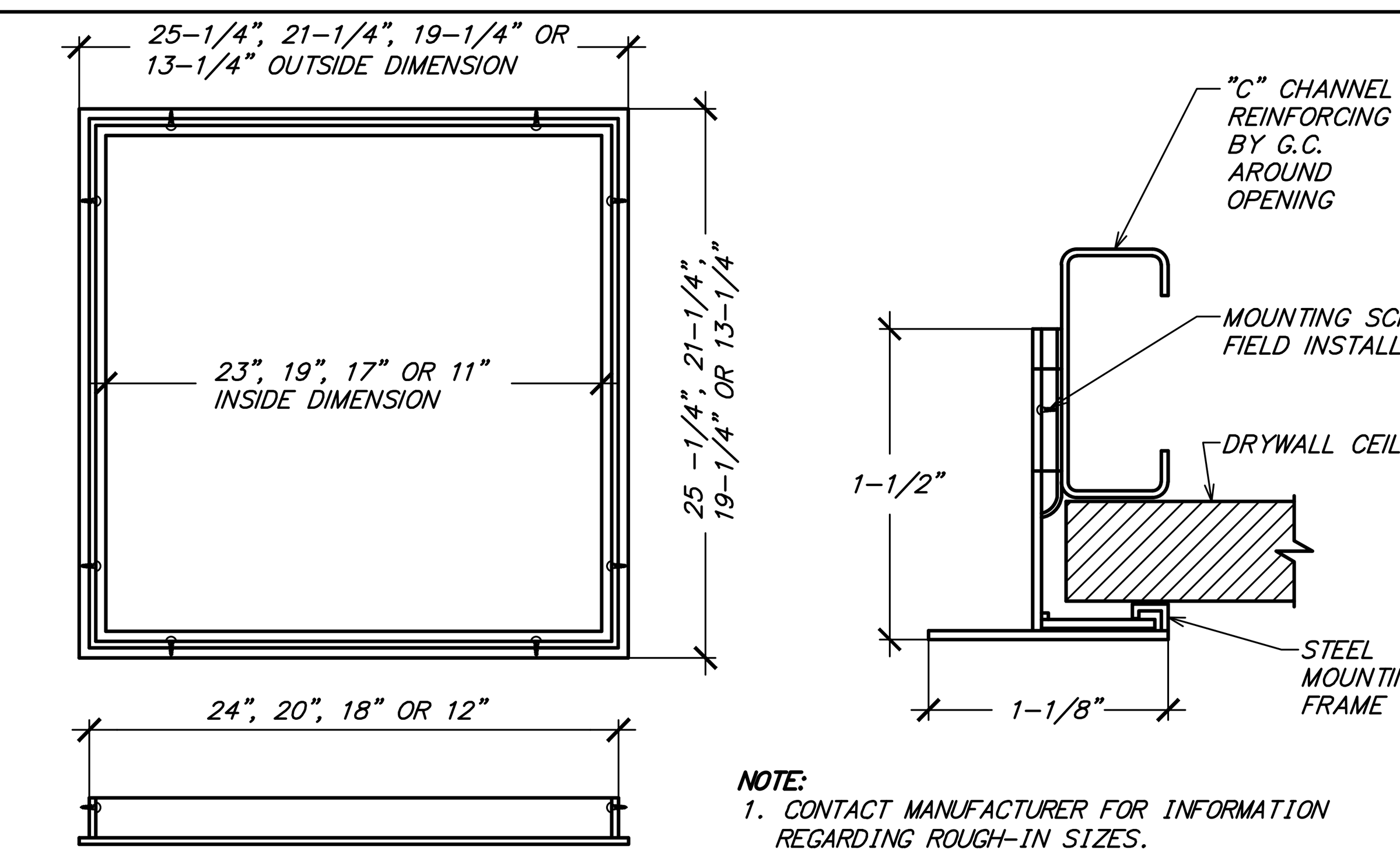
MARK	LOCATION	SERVICE	AIRFLOW (CFM)	EXTERNAL STATIC (IN H2O)	SONES	MOTOR DATA			RPM	MANUFACTURER	MODEL NUMBER	REMARKS
						FAN (W)	VOLT	PH				
EF-1	CEILING	RESTROOM	100	0.50	6.0	172	115	1	980	GREENHECK	SP-B150	[1,3]
EF-2	CEILING	RESTROOM	100	0.50	6.0	172	115	1	980	GREENHECK	SP-B150	[1,3]

REMARKS:
1. PROVIDE SOLID STATE SPEED CONTROL.
2. PROVIDE MOTORIZED BACKDRAFT DAMPER.
3. PROVIDE WITH ROOF CAP TERMINATION. REFERENCE SHEET M1 FOR ADDITIONAL INFORMATION.

AIR CURTAINS

MARK	LENGTH (IN)	AIRFLOW (CFM)	HEATER			FANS		ELECTRICAL			MANUFACTURER	MODEL NUMBER	REMARKS
			IN (KW)	OUT (MBH)	TEMP RISE (F)	QTY	HP	CIRCUIT (QTY)	VOLT	PH			
AC-1	71.0	1,922	16.0	54.6	26.2	2	1/5	1	480	3	POWERED AIRE	EVE-2-72E	[1-3]

REMARKS:
1. PROVIDE AUTOMATIC DOOR SWITCH.
2. PROVIDE UNIT MOUNTED CONTROL PANEL.
3. COORDINATE MOUNTING CONFIGURATION WITH THE ARCHITECT. FINISH/COLOR TO BE BLACK.



NOTE:
1. CONTACT MANUFACTURER FOR INFORMATION REGARDING ROUGH-IN SIZES.

1 TYPICAL DRYWALL MOUNTING FRAME DETAIL

NOT TO SCALE

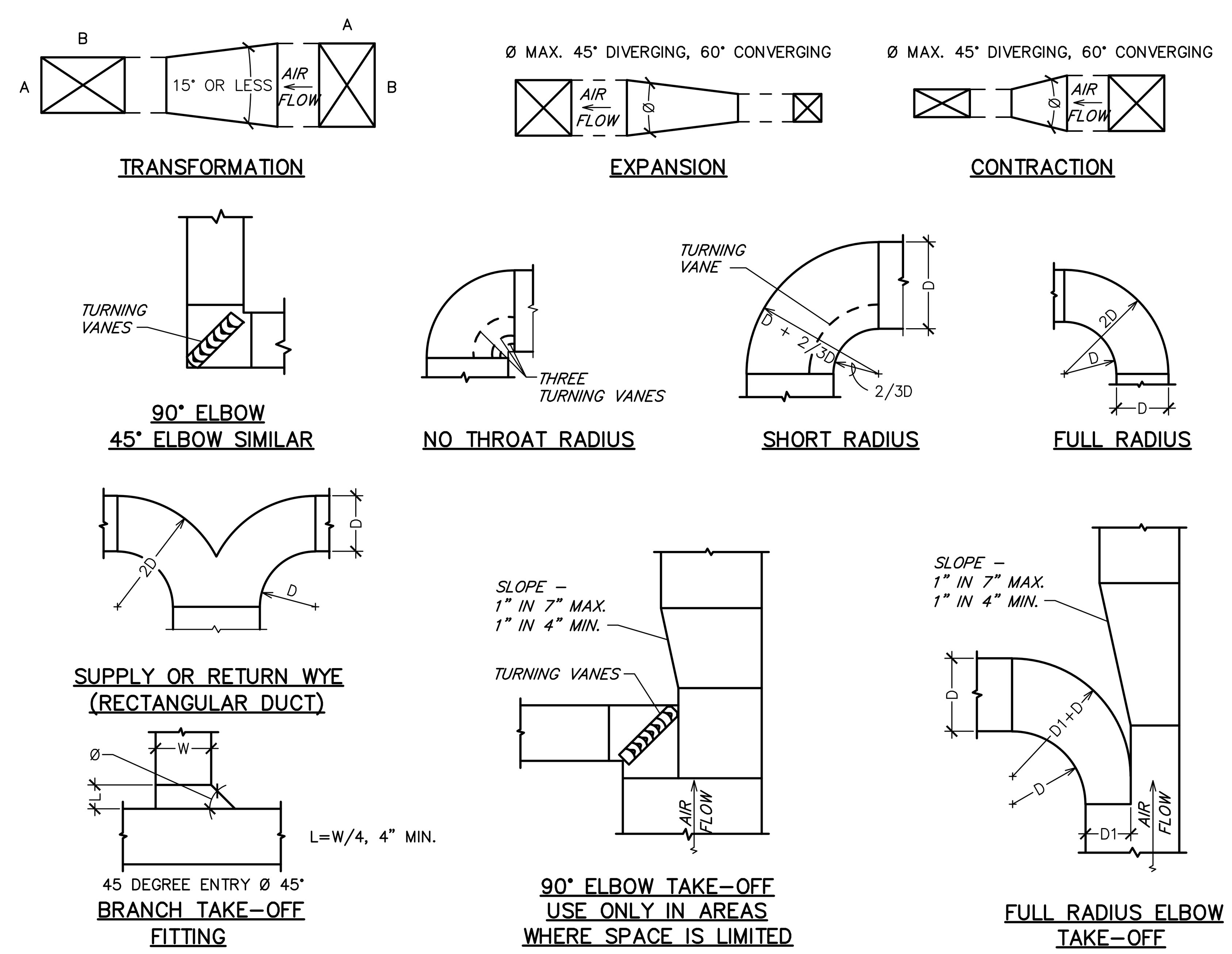
MAXIMUM HALF OF DUCT PERIMETER	PAIR AT 10 FT. SPACING		PAIR AT 8 FT. SPACING		PAIR AT 5 FT. SPACING		PAIR AT 4 FT. SPACING	
	STRAP	WIRE/ROD	STRAP	WIRE/ROD	STRAP	WIRE/ROD	STRAP	WIRE/ROD
$\frac{P}{2}$ = 30"	1" x 22 GA.	10 GA. (.135")	1" x 22 GA.	10 GA. (.135")	1" x 22 GA.	12 GA. (.106")	1" x 22 GA.	12 GA. (.106")
$\frac{P}{2}$ = 72"	1" x 18 GA.	3/8"	1" x 20 GA.	1/4"	1" x 22 GA.	1/4"	1" x 22 GA.	1/4"
$\frac{P}{2}$ = 96"	1" x 16 GA.	3/8"	1" x 18 GA.	3/8"	1" x 20 GA.	3/8"	1" x 22 GA.	1/4"
$\frac{P}{2}$ = 120"	1 1/2" x 16 GA.	1/2"	1" x 16 GA.	3/8"	1" x 18 GA.	3/8"	1" x 20 GA.	1/4"
$\frac{P}{2}$ = 168"	1 1/2" x 16 GA.	1/2"	1 1/2" x 16 GA.	1/2"	1" x 16 GA.	3/8"	1" x 18 GA.	3/8"
$\frac{P}{2}$ = 192"	---	1/2"	1 1/2" x 16 GA.	1/2"	1" x 16 GA.	3/8"	1" x 16 GA.	3/8"
$\frac{P}{2}$ = 193" UP	SPECIAL ANALYSIS REQUIRED							

WHEN STRAPS ARE LAP JOINED USE THESE MINIMUM FASTENERS:	SINGLE HANGER MAXIMUM ALLOWABLE LOAD — STRAP	SINGLE HANGER MAXIMUM ALLOWABLE LOAD — WIRE OR ROD (DIA.)
1" x 18, 20, 22 GA. – TWO #10 OR ONE 1/4" BOLT 1" x 16 GA. – TWO 1/4" DIA. 1" x 16 GA. – TWO 3/8" DIA. PLACE FASTENERS IN SERIES, NOT SIDE BY SIDE.	1" x 22 GA. – 260 LBS. 1" x 20 GA. – 320 LBS. 1" x 18 GA. – 420 LBS. 1" x 16 GA. – 700 LBS. 1 1/2" x 16 GA. – 1100 LBS.	0.106" – 80 LBS. 0.135" – 120 LBS. 0.162" – 160 LBS. 1/4" – 270 LBS. 3/8" – 680 LBS. 1/2" – 1250 LBS. 5/8" – 2000 LBS. 3/4" – 3000 LBS.

NOTES:
1. DIMENSIONS OTHER THAN GAUGE ARE IN INCHES.
2. TABLES ALLOW FOR DUCT WEIGHT, 1 LB./SF INSULATION WEIGHT AND NORMAL REINFORCEMENT AND TRAPEZE WEIGHT, BUT NO EXTERNAL LOADS.
3. STRAPS ARE GALVANIZED STEEL; OTHER MATERIALS ARE UNCOATED STEEL.
4. ALLOWABLE LOADS FOR P/2 ASSUME THAT DUCTS ARE 16 GA. MAXIMUM, EXCEPT THAT WHEN MAXIMUM DUCT DIMENSION (W) IS OVER 60" THEN P/2 MAXIMUM IS 1.25 W.
5. 12, 10 OR 8 GA. WIRE IS STEEL OF BLACK ANNEALED, BRIGHT BASIC OR GALVANIZED TYPE.
6. DUCTS SHALL BE SUPPORTED AT INTERVALS NOT EXCEEDING 10 FEET.

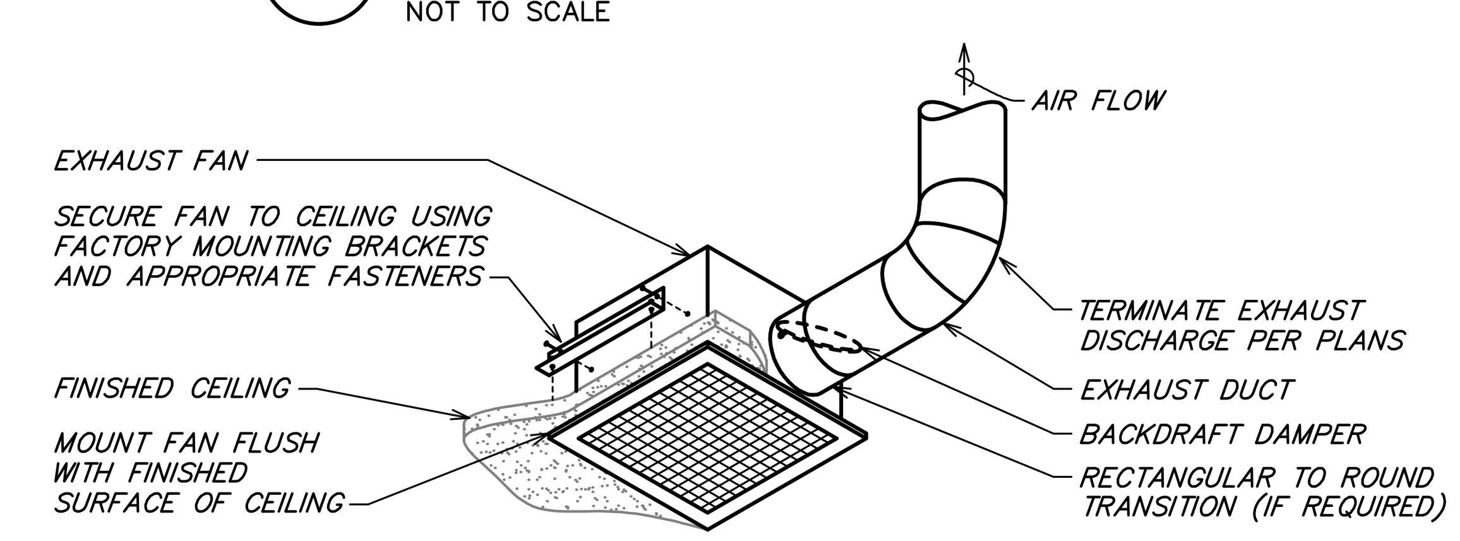
8 RECTANGULAR DUCT HANGER TABLE

NOT TO SCALE



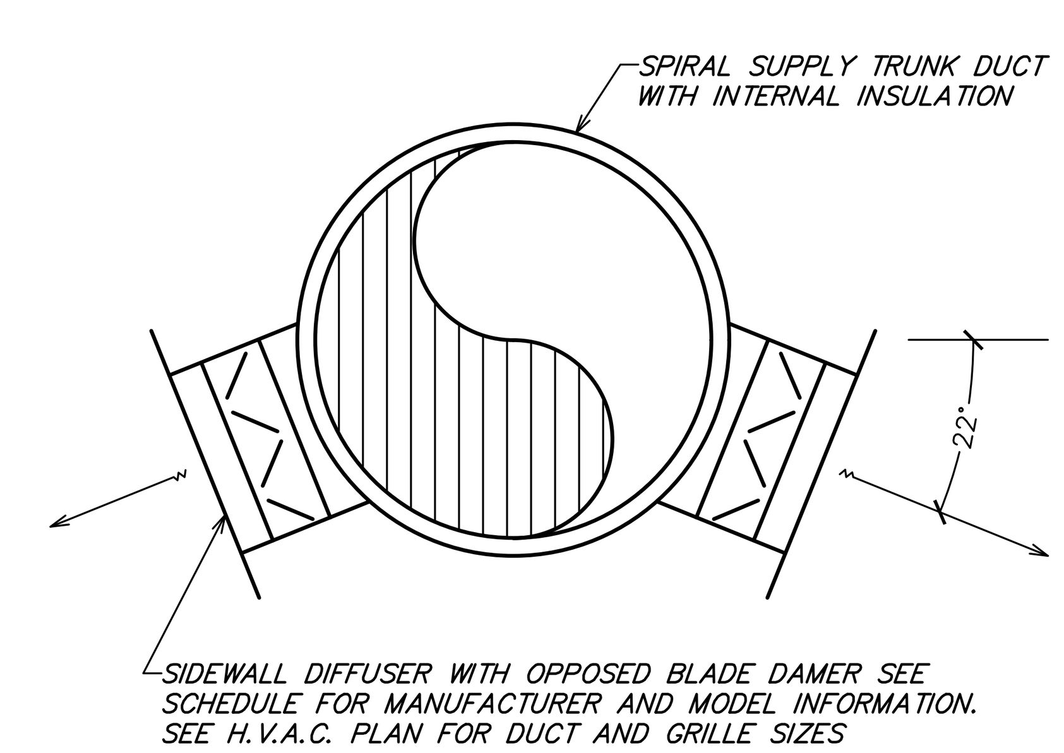
6 DUCTWORK DETAILS

NOT TO SCALE



2 CEILING FAN DETAIL

NOT TO SCALE



3 DUCT MOUNTED DIFFUSER DETAIL

NOT TO SCALE

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PROJECT

CONCEPT TYPE: BBS

SKECHERS #1551
MAD RIVER STATION
2661 MIAMISBURG CENTERVILLE ROAD
DAYTON, OH 45459

REVISIONS

NO.	DESCRIPTION	DATE
1	LANDLORD COMMENTS	10.17.2024
2	CLIENT COMMENTS	10.17.2024

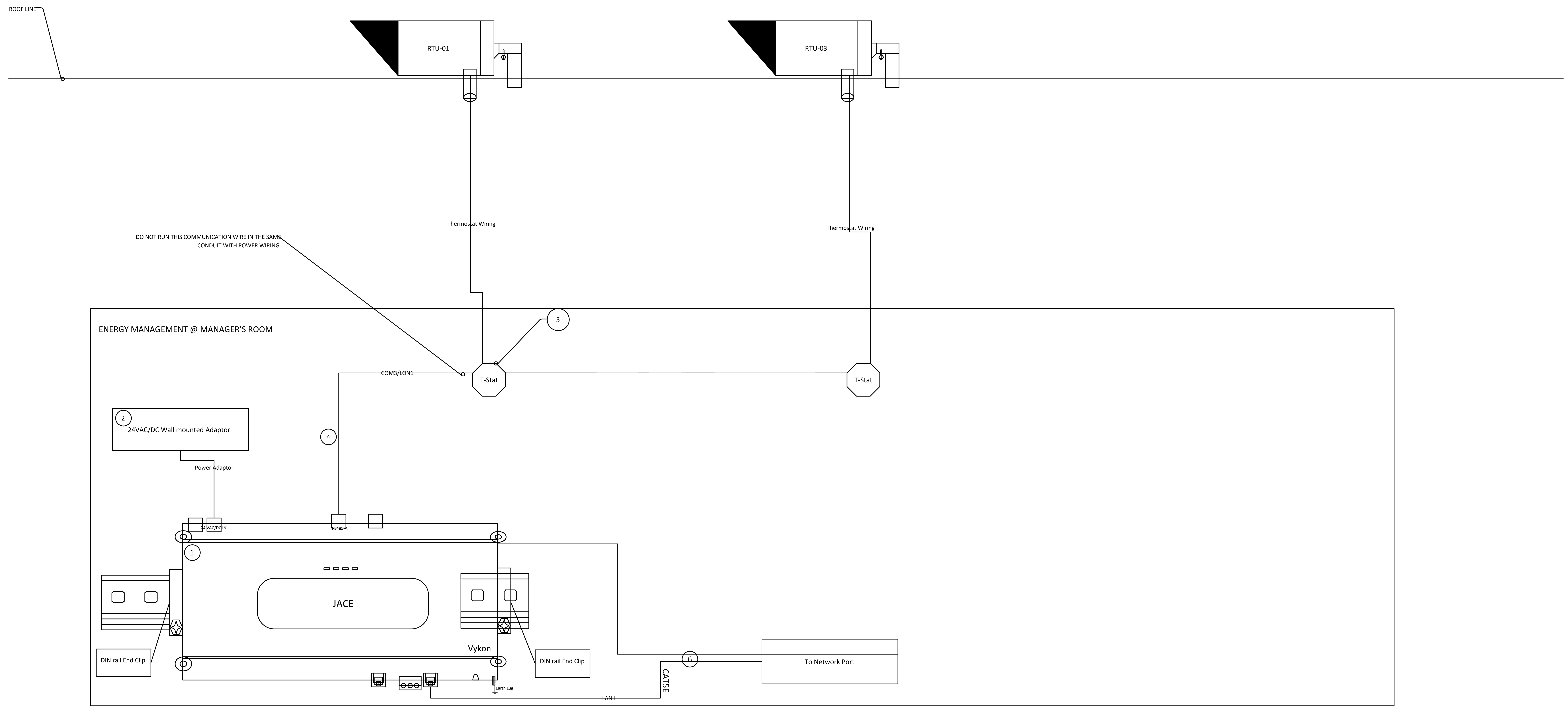
STATE OF OHIO
GREGORY R. SCHNACKEL
E-59866
PROFESSIONAL ENGINEER
Date: 10/17/24 COA #: 03180

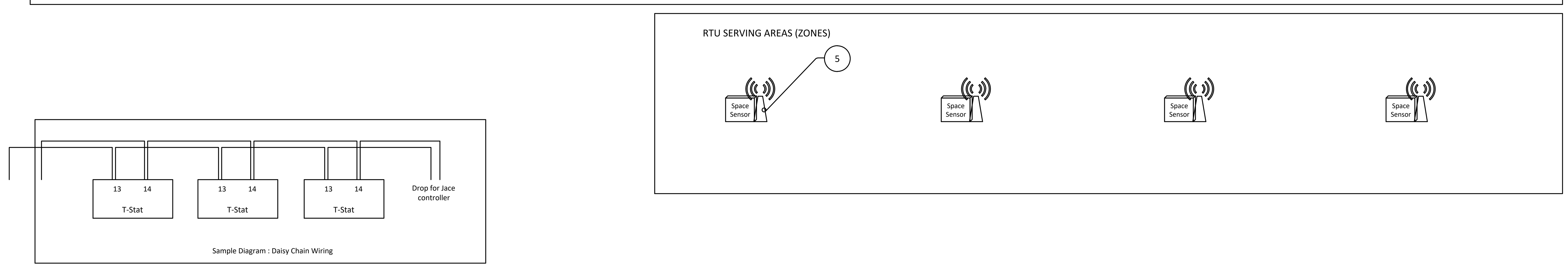
SHEET TITLE

HVAC SCHEDULES AND DETAILS

DATE:	08.29.24	SCALE:	AS NOTED
DRAWN BY:	SEI	DRAWING FILE:	M2.DWG
CHECKED BY:	AN	SHEET NUMBER:	M2
PROJECT NO:	11346-24		

SE JOB# 240460





EMS SYSTEM TO BE PROVIDED BY SKECHERS.

Wiring Specifications	
Communication Wire	22 AWG Shielded twisted pair
Ethernet	CAT 5/5e/6

EMS Requirement	Specification
Manager's Office	2 count regular power receptacle (120V)
Manager's Office	Provide Space (36" x 30") for Jace 80xx Controller

Note for Mechanical contractor

- It shall be responsibility of the mechanical contractor to start up the rooftop units and put them through the test mode as required by the equipment manufacture.

1	Mount Jace Controller	1. EMS vendor to install the Controller 2. Electrical vendor to identify and mark the location for controller
2	Power to JACE using 120VAC adaptor	1. Electrical vendor to install 2 receptacles for Jace power supply
3	Install NEW Thermostats (or replace existing ones)	1. EMS vendor to supply Thermostats with Unit number on it 2. Mechanical (HVAC) vendor to install the thermostats and test the RTU's 3. Mechanical vendor to label the Thermostats with RTU numbers based on construction drawings
4	Low voltage communication wire run	1. Electrical vendor to provide wire run from EMS to Thermostats using two core 20 or 22AWG wire 2. Daisy chain thermostats using this wire, use points 13 and 14 on the thermostats 3. From the last thermostat, using the same wire (terminated at 13 and 14) provide a drop to where the Jace will be installed
5	Mount a wireless sensor close to return duct of each RTU unit	1. EMS Vendor to supply the sensors with unit number on it 2. Mechanical vendor to identify the location, and place the sensors with corresponding RTU numbers on sensors 3. Sensors to be installed at around 6' high from floor on the wall closest to return duct of the corresponding RTU 4. Use the provided mounting bracket or double-sided tape to mount the sensor. Do not open the sensor cover, that would damage it.
6	EMS Communication wiring	1. Network vendor to run Ethernet wire Patch Cable (with RK-45 Connector on both ends) from IDF (CAT5 or equivalent) 2. Plug one end of the Ethernet to Server Port 20 (for 24 port switch) or Server Port 44 (for a 48 Port Switch) 3. Label each end of patch cable (ethernet wire) "For EMS"

Note for Electrical Contractor

- Uninterrupted 120VAC power supply to EMS Panel in Manager's Office
- Wire run of communication wire from EMS panel to each thermostat
- All work shall conform with the local, state and national electrical codes. Electrical contractor shall pay for all inspections and permits.
- Cables exposed to open areas to be concealed and secured as per electrical practices
- Electrical contractor shall mount and provide all power wiring and connection to EMS main panel equipment.
- Electrical contractor shall be responsible for having a true earth ground to all EMS equipment, as shown on these drawing.

SE JOB# 240460

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PROJECT

CONCEPT TYPE:
BBS

SKECHERS #1551
MAD RIVER STATION
2661 MIAMISBURG CENTERVILLE ROAD
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STATE OF OHIO
GREGORY R. SCHNACKEL
E-59866
PROFESSIONAL ENGINEER
Date: 10/17/24 COA #: 03180

SHEET TITLE
ENERGY MANAGEMENT SYSTEM

DATE: 08.29.24	SCALE: AS NOTED
DRAWN BY: SEI	DRAWING FILE: M3.DWG
CHECKED BY: AN	SHEET NUMBER: M3
PROJECT NO: 11346-24	