

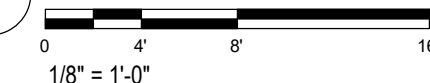
GENERAL NOTES:

- A. DISCONNECT AND REMOVE ALL EXISTING DUCTWORK, PIPING, DIFFUSERS, EQUIPMENT, CONTROLS, AND APPURTENANCES. DEMOLITION DRAWINGS INDICATE THE MAJOR PIECES OF EXISTING EQUIPMENT AND SYSTEMS, BUT DO NOT DEPICT EVERY COMPONENT OF THE EXISTING SYSTEMS. THE CONTRACTOR IS TO DISCONNECT AND REMOVE ALL HVAC SYSTEM COMPONENTS IN THEIR ENTIRETY.
- B. REMOVE ALL EXISTING HANGERS AND SUPPORT HARDWARE.

KEYNOTES:

- 1. DISCONNECT AND REMOVE EXISTING FAN COIL AND ALL ASSOCIATED DUCTWORK, PIPING, CONTROLS, AND APPURTENANCES.
- 2. DISCONNECT AND REMOVE EXISTING AIR-TO-AIR HEAT EXCHANGER AND ASSOCIATED DUCTWORK AND APPURTENANCES.
- 3. DISCONNECT EXISTING HOT AND CHILLED WATER PIPING AT POINT OUTSIDE THE BUILDING. CAP, AND ABANDON UNDERGROUND PIPING IN PLACE.

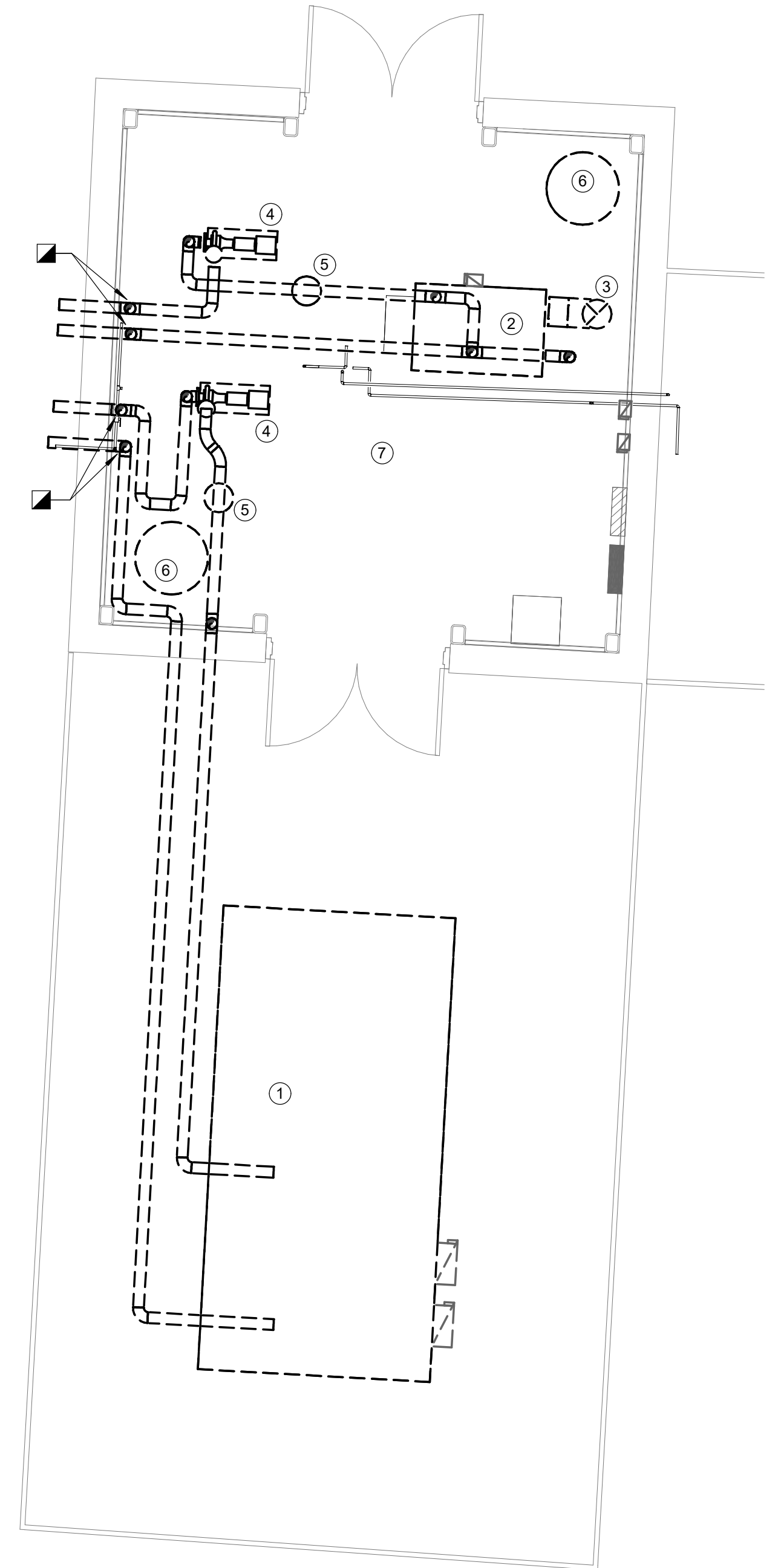
1 MECHANICAL DEMOLITION PLAN - AREA A



Onslow County Senior Service Center
Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

ID	DATE	DESCRIPTION

DRAWN BY: JAV
CHECKED BY: SWC
DEMOLITION PLAN - AREA A



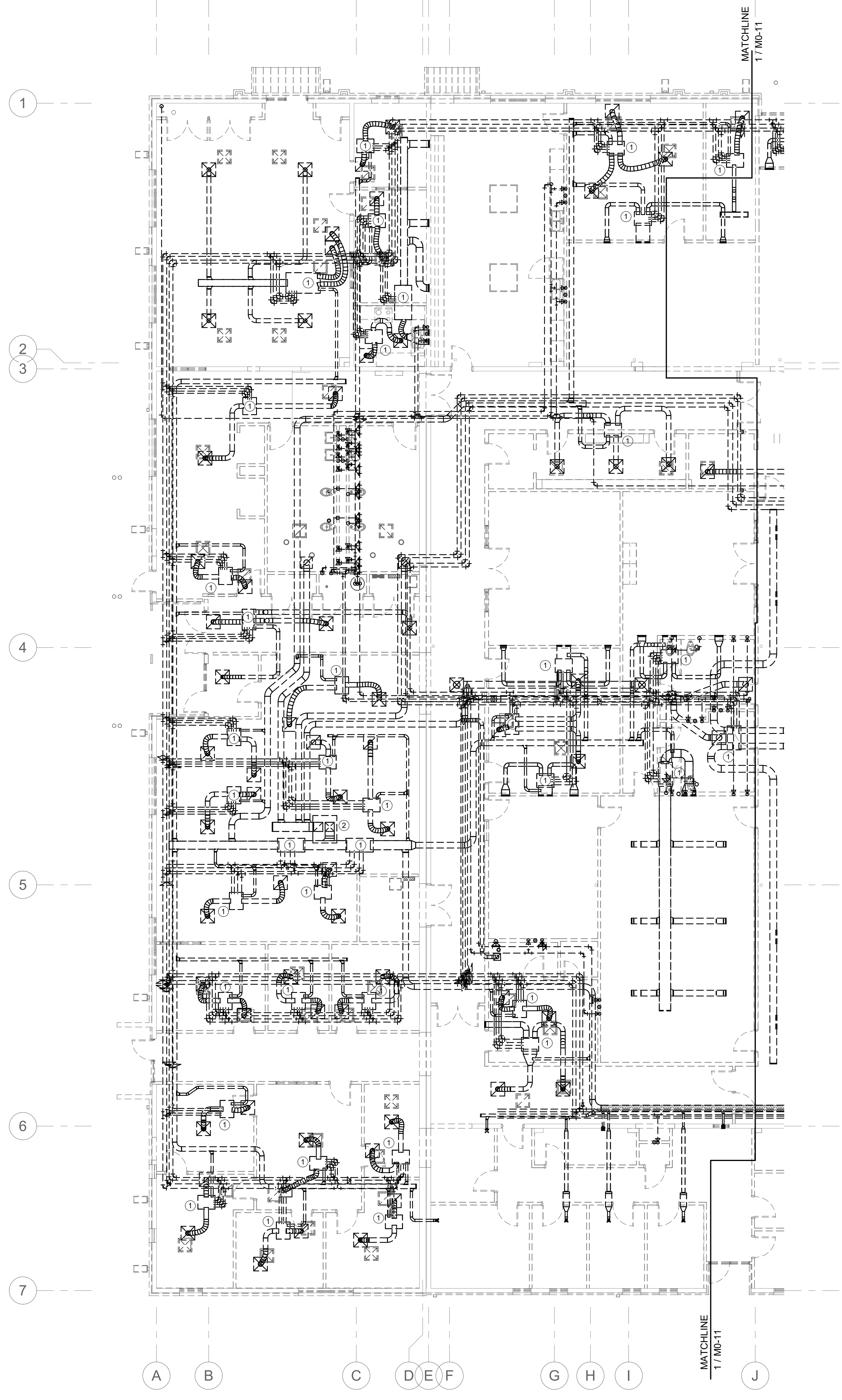
2 DEMOLITION PLAN - MECHANICAL BUILDING
1/4" = 1'-0"

KEYNOTES:

1. DISCONNECT CHILLER FROM EXISTING PIPING AND ELECTRICAL CONNECTIONS. REMOVE CHILLER AND ALL APPURTENANCES.
2. DISCONNECT EXISTING BOILER FROM EXISTING PIPING, FLUE, AND FUEL SOURCE AND COMPLETE REMOVE.
3. REMOVE BOILER FLUE.
4. DISCONNECT AND REMOVE EXISTING PUMP.
5. DISCONNECT AND REMOVE EXISTING AIR SEPARATOR.
6. DISCONNECT AND REMOVE EXISTING EXPANSION TANK.
7. DISCONNECT AND REMOVE ALL EXISTING CHILLED WATER AND HOT WATER PIPING. REMOVE EXISTING MAKEUP WATER ASSEMBLIES. CAP ABANDONED UNDERGROUND PIPING FLUSH WITH FLOOR.

GENERAL NOTES:

- A. DISCONNECT AND REMOVE ALL EXISTING DUCTWORK, PIPING, EQUIPMENT, CONTROLS, AND APPURTENANCES. DEMOLITION DRAWINGS INDICATE THE MAJOR PIECES OF EXISTING EQUIPMENT AND SYSTEMS, BUT DO NOT DEPICT EVERY COMPONENT OF THE EXISTING SYSTEMS. THE CONTRACTOR IS TO DISCONNECT AND REMOVE ALL HVAC SYSTEM COMPONENTS IN THEIR ENTIRETY.
- B. REMOVE ALL EXISTING HANGERS AND SUPPORT HARDWARE.
- C. ABANDON EXISTING UNDERGROUND HYDRONIC PIPING.



1 MECHANICAL DEMOLITION PLAN - AREA A
1/8" = 1'-0"

GENERAL NOTES:

- A. DISCONNECT AND REMOVE ALL EXISTING DUCTWORK, PIPING, DIFFUSERS, EQUIPMENT, CONTROLS, AND APPURTENANCES. DEMOLITION DRAWINGS INDICATE THE MAJOR PIECES OF EXISTING EQUIPMENT AND SYSTEMS, BUT DO NOT DEPICT EVERY COMPONENT OF THE EXISTING SYSTEMS. THE CONTRACTOR IS TO DISCONNECT AND REMOVE ALL HVAC SYSTEM COMPONENTS IN THEIR ENTIRETY.
- B. REMOVE ALL EXISTING HANGERS AND SUPPORT HARDWARE.

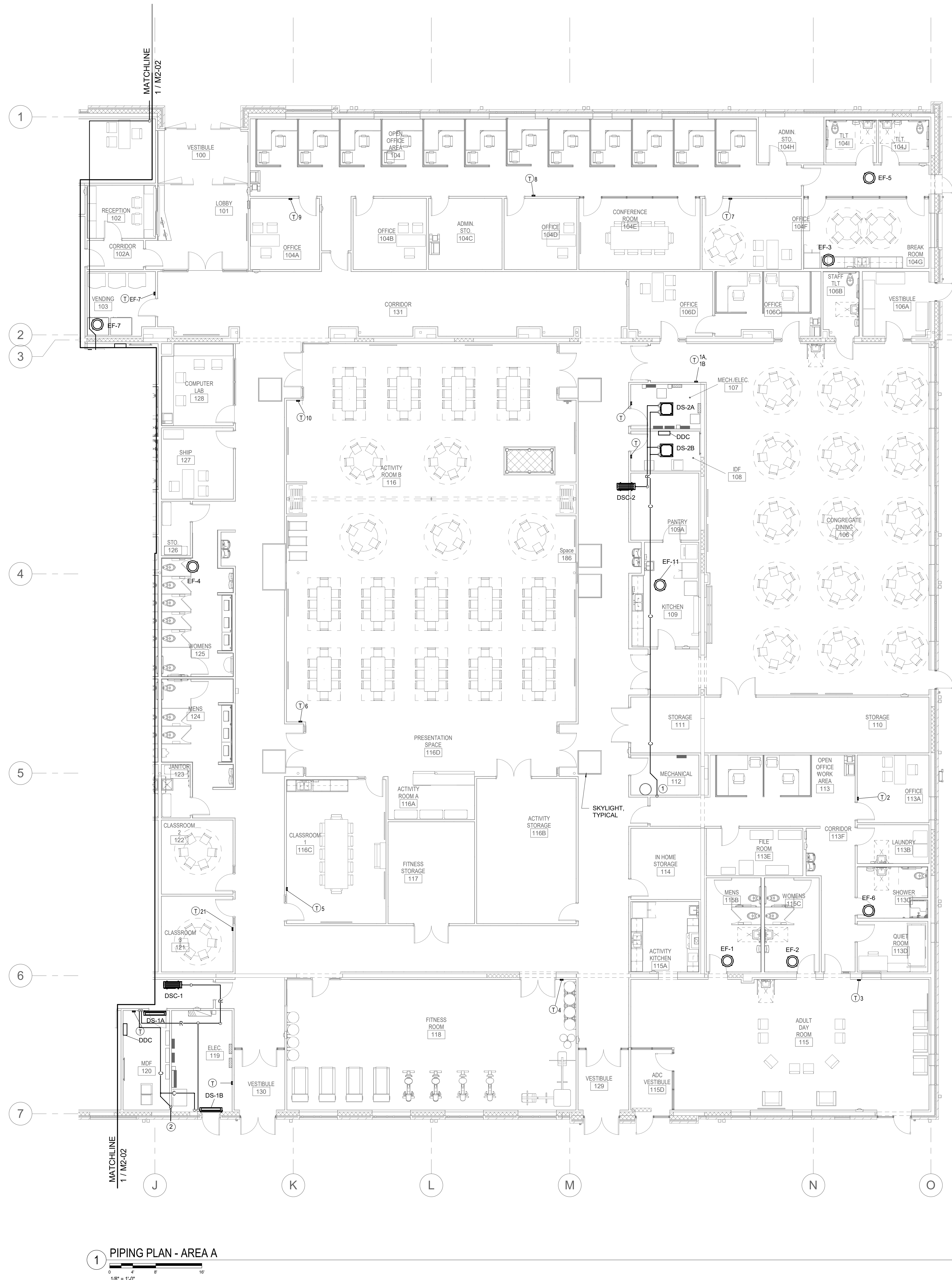
KEYNOTES:

1. DISCONNECT AND REMOVE EXISTING FAN COIL AND ALL ASSOCIATED DUCTWORK, PIPING, CONTROLS, AND APPURTENANCES.
2. DISCONNECT AND REMOVE EXISTING AIR-TO-AIR HEAT EXCHANGER AND ASSOCIATED DUCTWORK AND APPURTENANCES.

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ID	DATE	DESCRIPTION

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DEMOLITION PLAN - AREA B



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

GENERAL NOTES:

- A. MECHANICAL AND BAS CONTRACTORS SHALL REVIEW THE FINAL CASEWORK AND FFE DRAWINGS AND IDENTIFY POTENTIAL CONFLICTS WITH THERMOSTAT AND SENSORS PRIOR TO ROUGH-IN. NOTIFY ARCHITECT AND ENGINEER OF CONFLICTS AND DISCREPANCIES.
- B. ALL THERMOSTATS, SENSORS, AND USER CONTROLS SHALL BE MOUNTED AT 48". DEVICES SHALL BE ALIGNED EXACTLY WITH ADJACENT DEVICES OF OTHER TRADES (LIGHT SWITCHES, OCC SENSORS, ETC.)

KEYNOTES:

- 1. TERMINATE CONDENSATE AT FLOOR DRAIN. REFER TO PLUMBING DRAWINGS FOR LOCATION.
- 2. EXTEND CONDENSATE THROUGH WALL LOW AND TERMINATE AT RIVER ROCK.

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THIS DRAWING IS QUANTIFIED TO BE PRINTED ON A 32" X 42" SHEET

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Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

ID	DATE	DESCRIPTION

DRAWN BY: JAV
CHECKED BY: SWC
PIPING PLAN - AREA A

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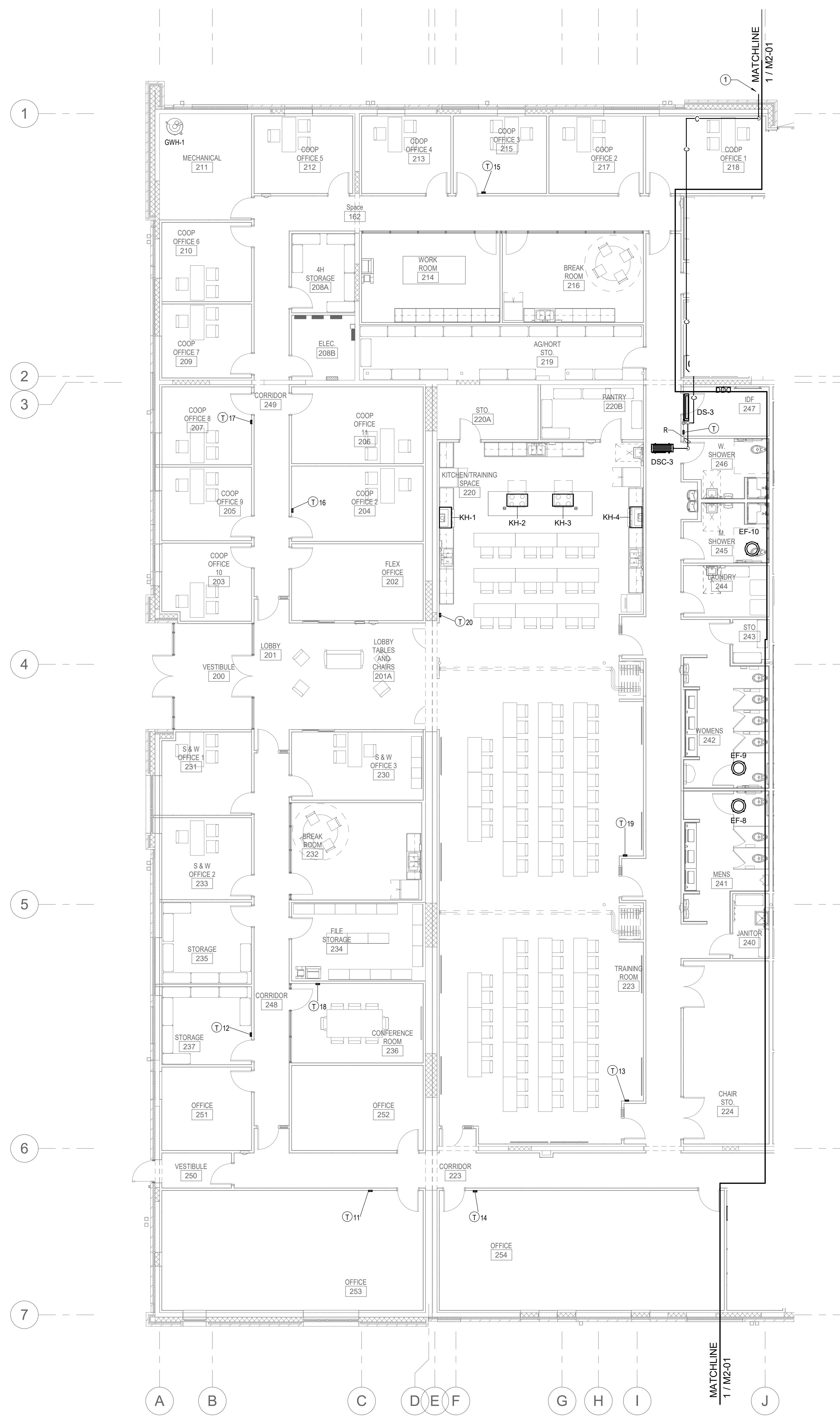


GENERAL NOTES:

- A. MECHANICAL AND BAS CONTRACTORS SHALL REVIEW THE FINAL CASEWORK AND FFE DRAWINGS AND IDENTIFY POTENTIAL CONFLICTS WITH THERMOSTAT AND SENSORS PRIOR TO ROUGH-IN. NOTIFY ARCHITECT AND ENGINEER OF CONFLICTS AND DISCREPANCIES.
- B. ALL THERMOSTATS, SENSORS, AND USER CONTROLS SHALL BE MOUNTED AT 48". DEVICES SHALL BE ALIGNED EXACTLY WITH ADJACENT DEVICES OF OTHER TRADES (LIGHT SWITCHES, OCC SENSORS, ETC.)

KEYNOTES:

- 1. EXTEND CONDENSATE THROUGH WALL LOW AND TERMINATE AT DRY WELL.



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

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THIS DRAWING IS CONSIDERED TO BE PRINTED ON A 36" X 48" SHEET

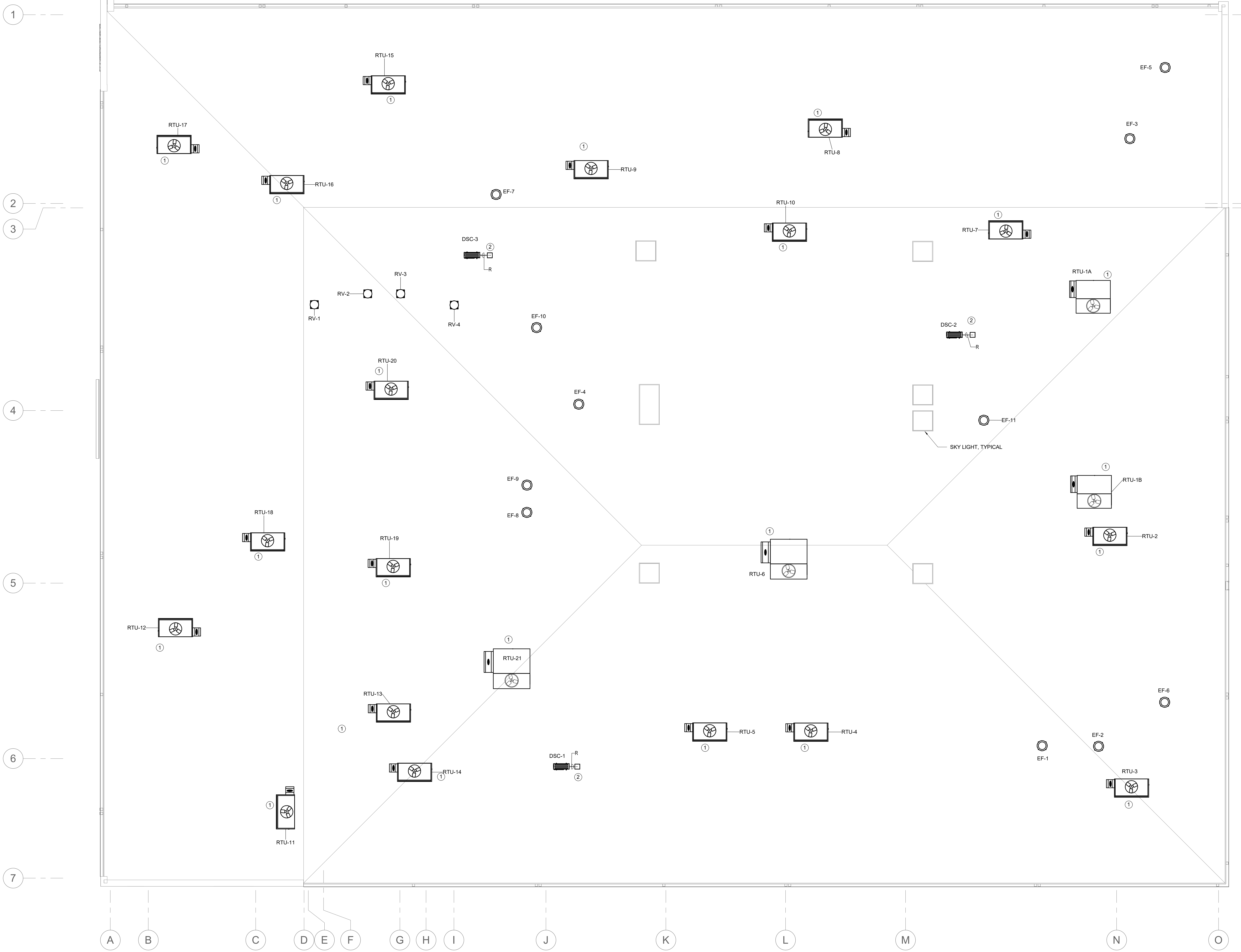
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Renovation
Onslow County Government
4024 Richlands Hwy, Jacksonville, NC 28540

ID	DATE	DESCRIPTION

DRAWN BY: JAV
CHECKED BY: SWC

PIPING PLAN - AREA B

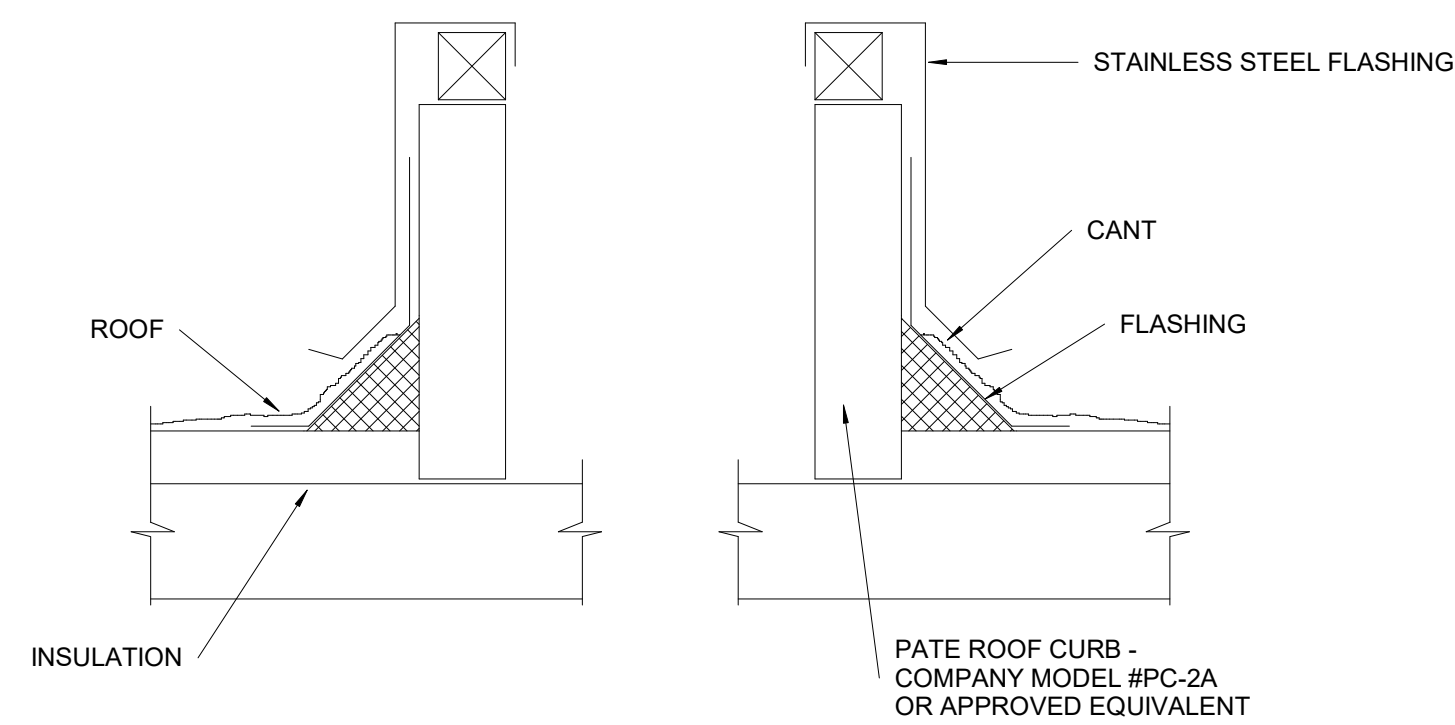
ID	DATE	DESCRIPTION



- GENERAL NOTES:**
- A. ALL EQUIPMENT SHALL BE LOCATED A MINIMUM OF 10 FT FROM ROOF EDGE.
 - B. MAINTAIN 10 FT BETWEEN OUTSIDE AIR INTAKES AND ALL EXHAUST TERMINATIONS AND PLUMBING VTRs.
- KEYNOTES:**
- 1. EXTEND CONDENSATE TO NEAREST ROOF DRAIN.
 - 2. REFRIGERANT PIPING DOWN TO INDOOR UNIT. PROVIDE LINE SET ROOF PENETRATION HOUSING RATED FOR HIGH WIND CONDITION. CYCLONE MODEL BY RPH OR EQUIVALENT
 - 3. UNIT AND 10' OF SUPPLY AND RETURN DUCTWORK IS IN BASE BID.

1 ROOF PLAN
1/8" = 1'-0"

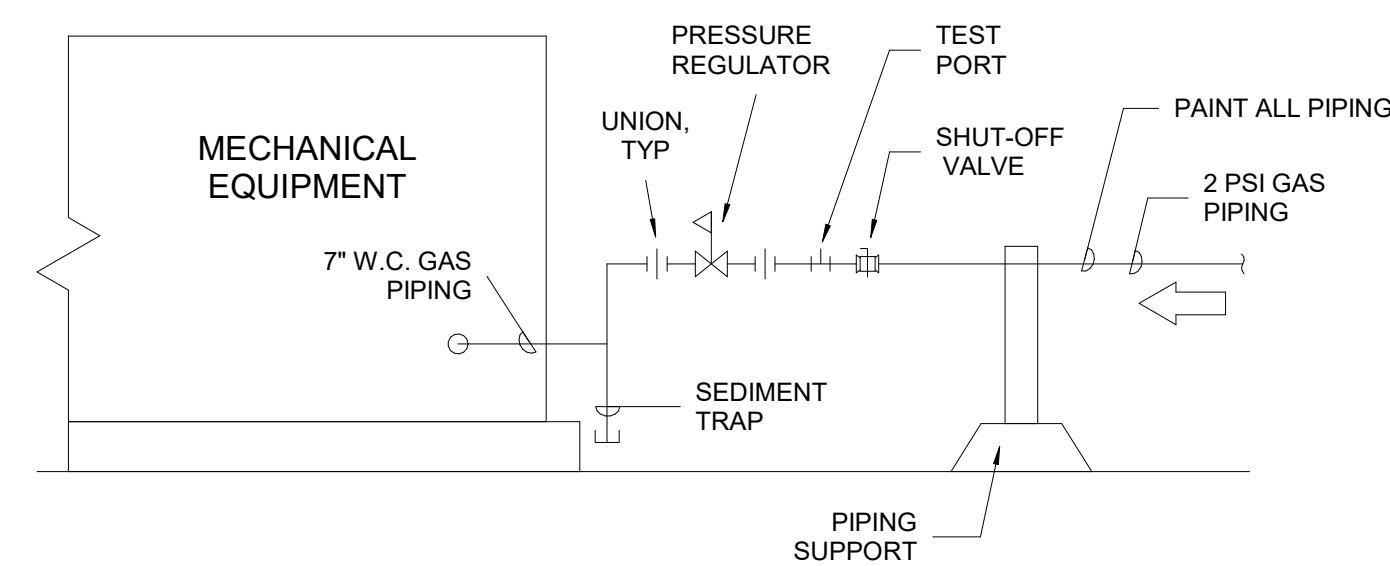
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NOTES:

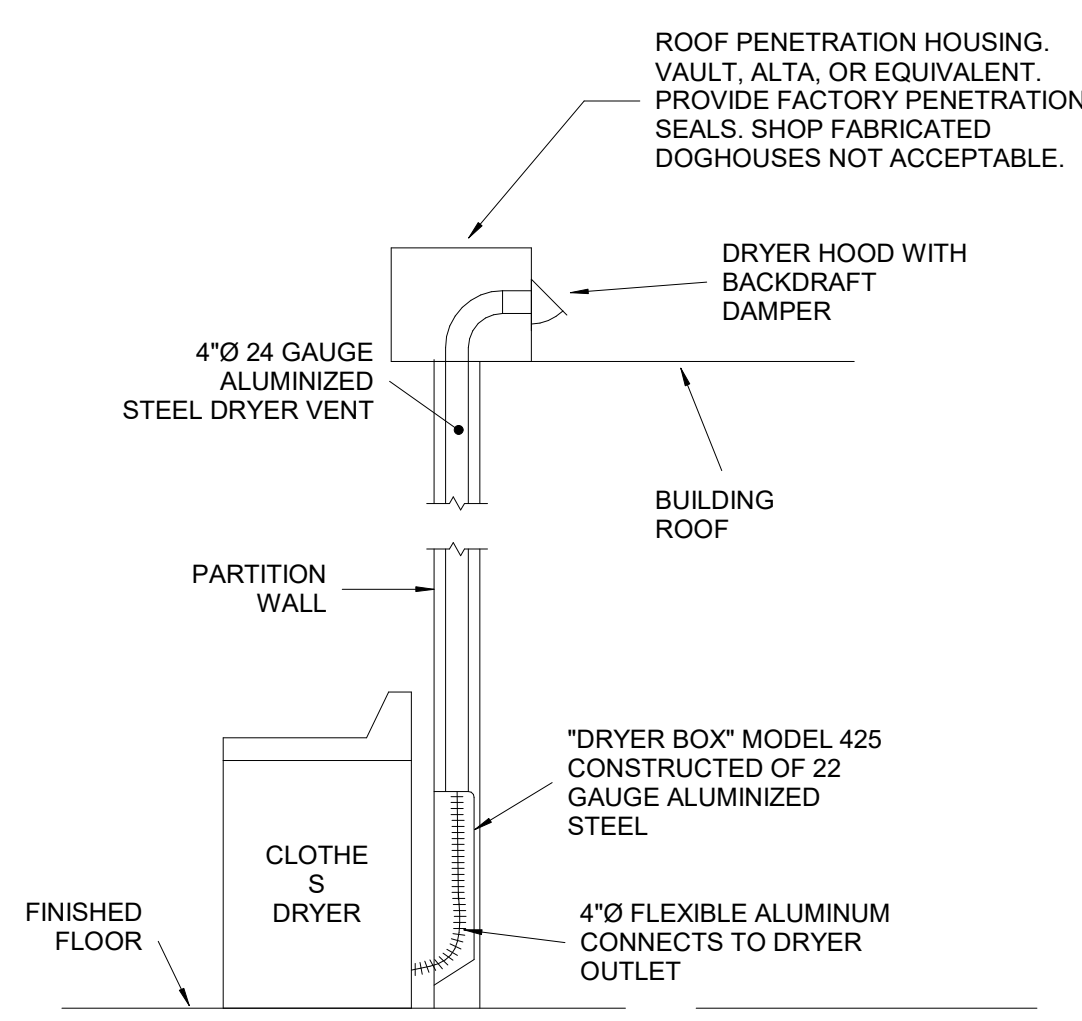
1. REFER TO ROOFING DRAWINGS FOR COORDINATION WITH INSTALLING ROOF CURBS
2. CURB AND ATTACHMENTS TO STRUCTURE SHALL BE RATED FOR PROJECT WIND ZONE. PROVIDE SHOP DRAWINGS SEALED BY NC LICENSED ENGINEER.

10 DETAIL - ROOF CURB
NOT TO SCALE



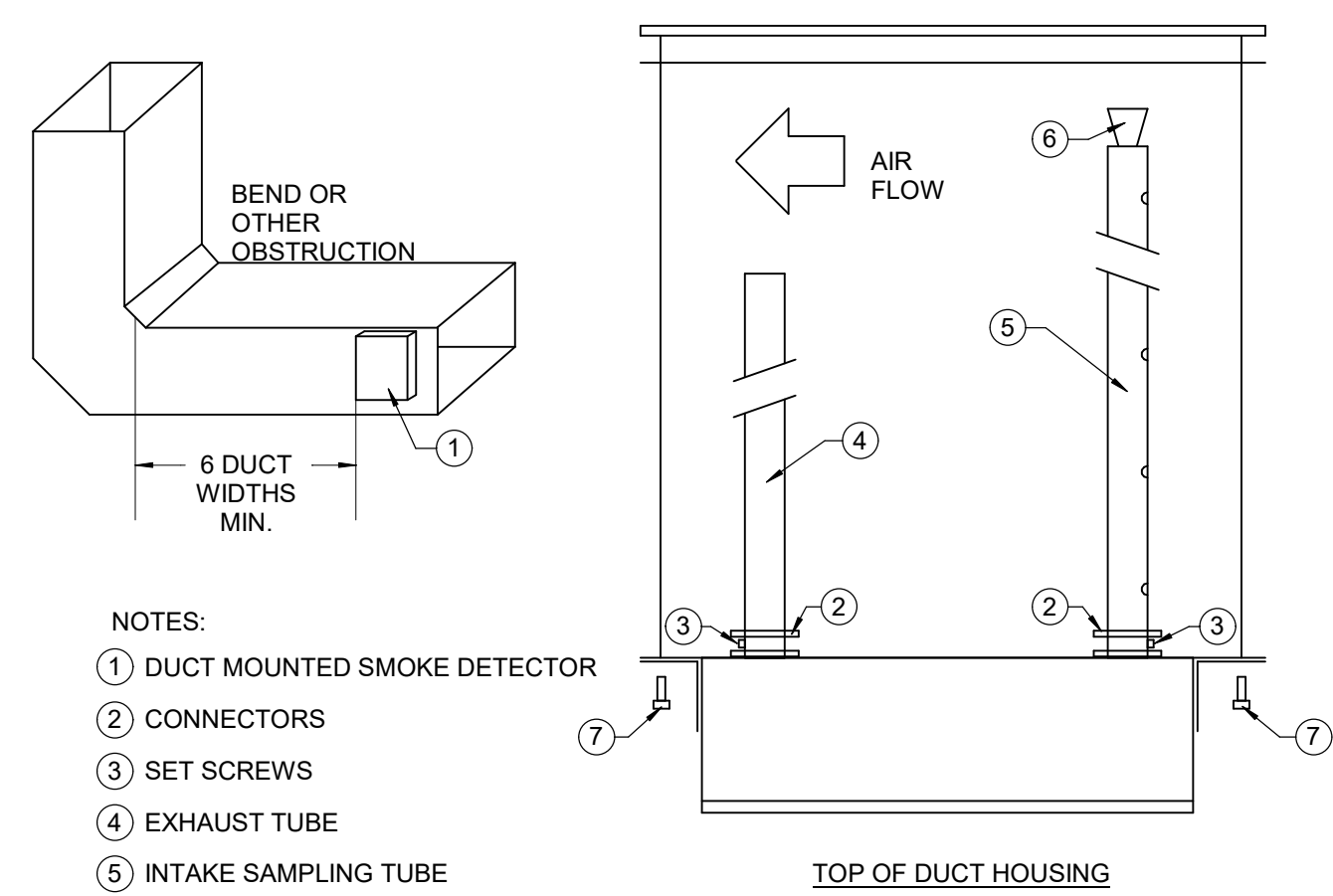
TWO UNIONS FOR REGULATOR SHALL BE WITHIN 12 INCHES OF DEVICE

11 M - DETAIL - TYPICAL GAS CONNECTION
NOT TO SCALE



NOTE: NO SCREWS SHALL BE USED FOR DRYER VENT DUCT CONNECTION.

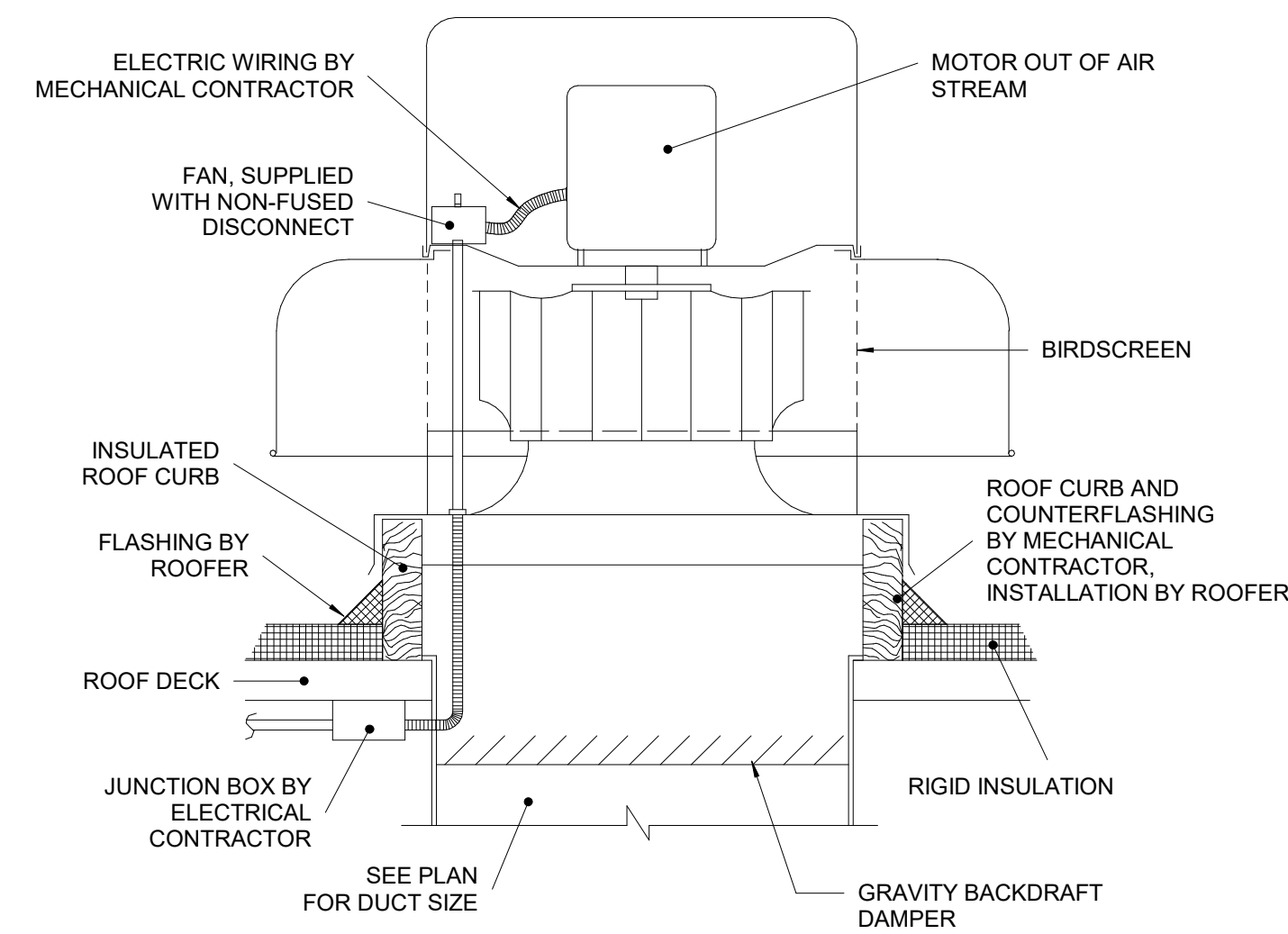
12 DETAIL - DRYER VENT INSTALLATION
NOT TO SCALE



NOTES:

1. DUCT MOUNTED SMOKE DETECTOR
2. CONNECTORS
3. SET SCREWS
4. EXHAUST TUBE
5. INTAKE SAMPLING TUBE
6. STOPPER
7. DUCT MOUNTING SCREWS

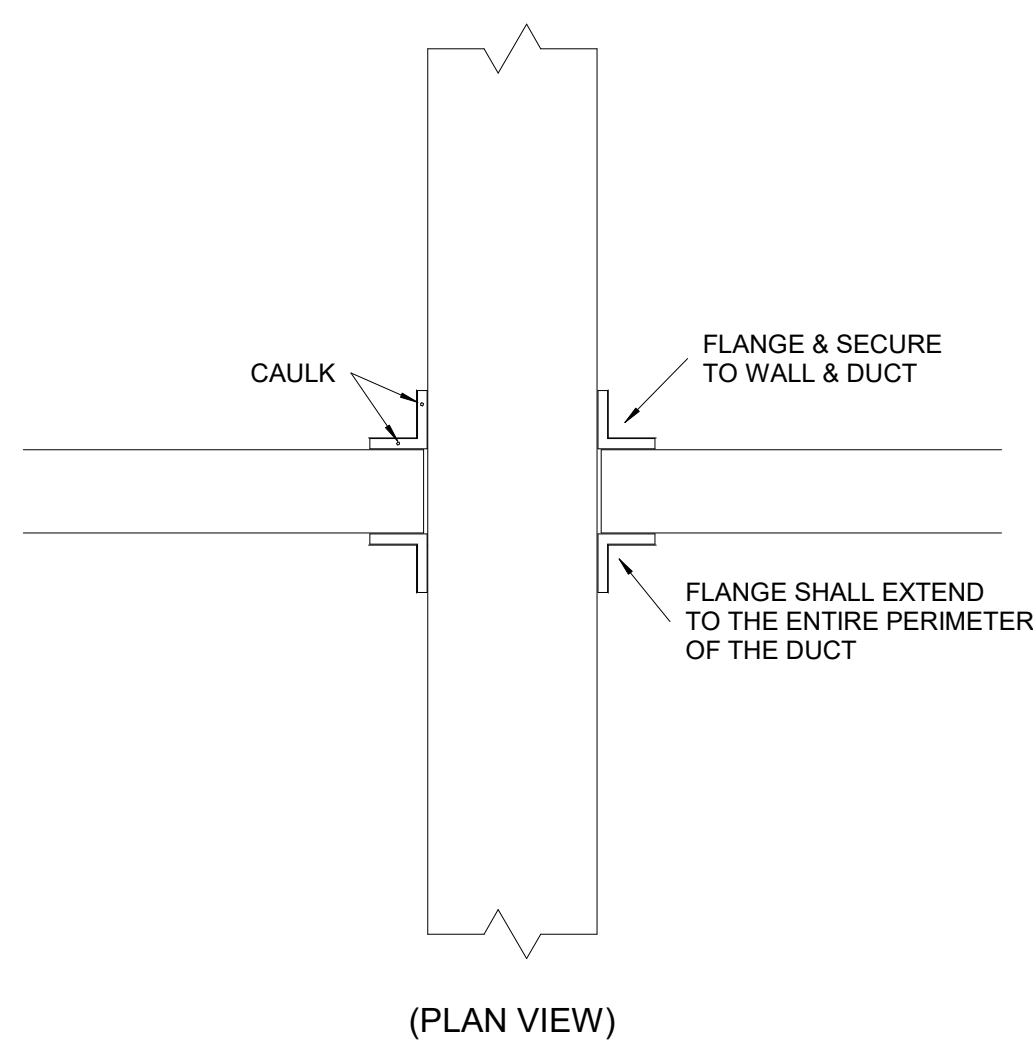
7 DUCT SMOKE DETECTOR DETAIL
NOT TO SCALE



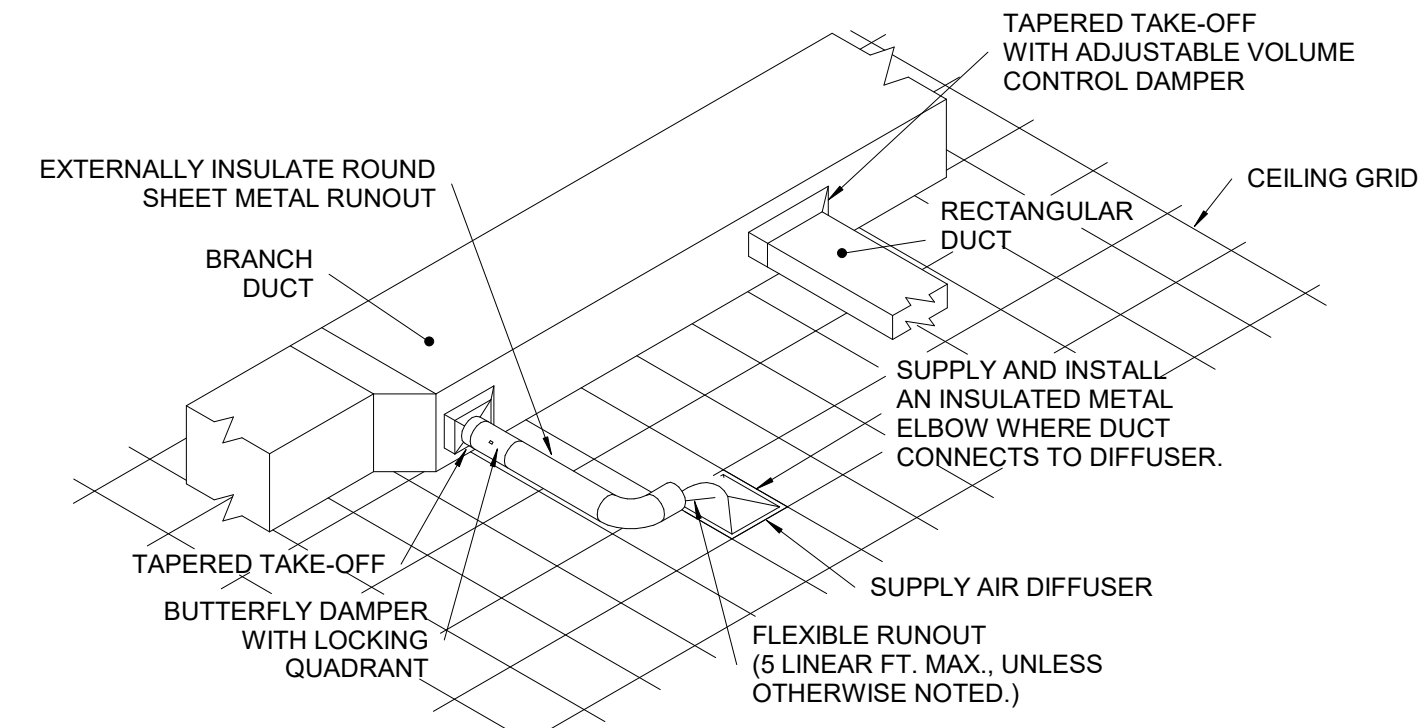
NOTES:

1. CURB SHALL BE INSULATED AND 20 HIGH OR THE HEIGHT INDICATED ON THE SCHEDULE.
2. FASTENING OF CURB TO STRUCTURE AND FAN TO CURB SHALL BE RATED FOR PROJECT WIND ZONE. REFER TO CODE SUMMARY SHEET.
3. REFER TO ROOFING DRAWINGS FOR COORDINATION WITH INSTALLING ROOF CURBS.
4. FAN AND CURB SHALL BE MIAMI-DADE RATED.

8 DETAIL - EXHAUST FAN
NOT TO SCALE

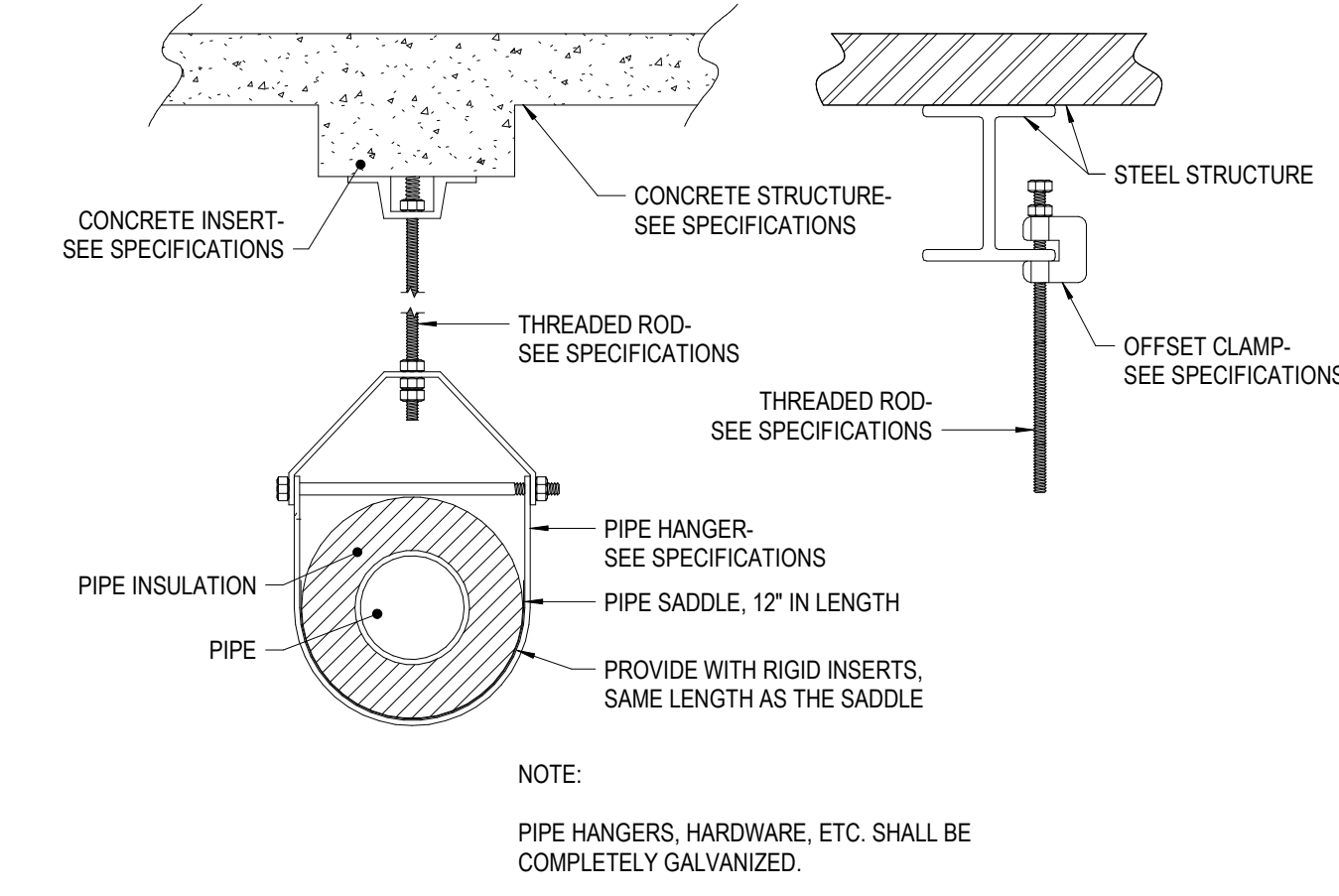


9 DETAIL - NON-RATED DUCT PENETRATION
NOT TO SCALE

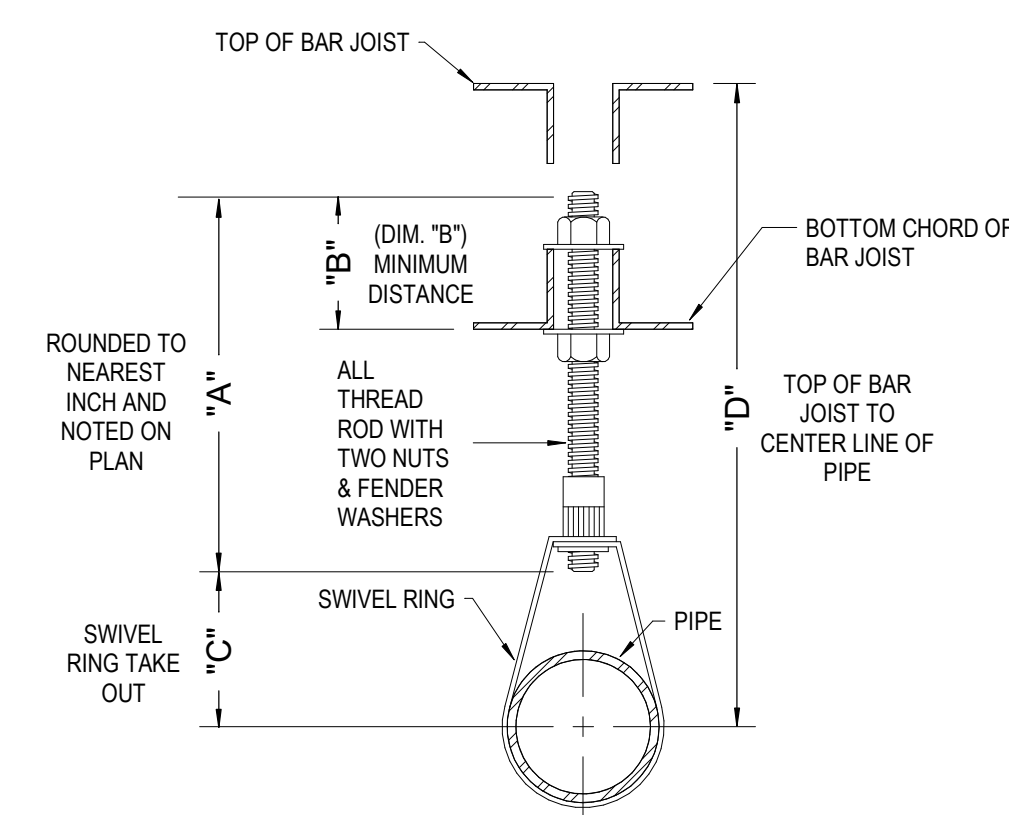


NOTE: PROVIDE TAPERED TAKE-OFF WITH ADJUSTABLE VOLUME DAMPER, AIR DISTRIBUTING GRID, OR RADIUS TAKE-OFF WITH STRAIGHTENING VANES AT TAKE-OFF.

4 DETAIL - SUPPLY, RETURN & EXHAUST AIR TAKE-OFF
NOT TO SCALE



5 PIPE HANGERS
NOT TO SCALE

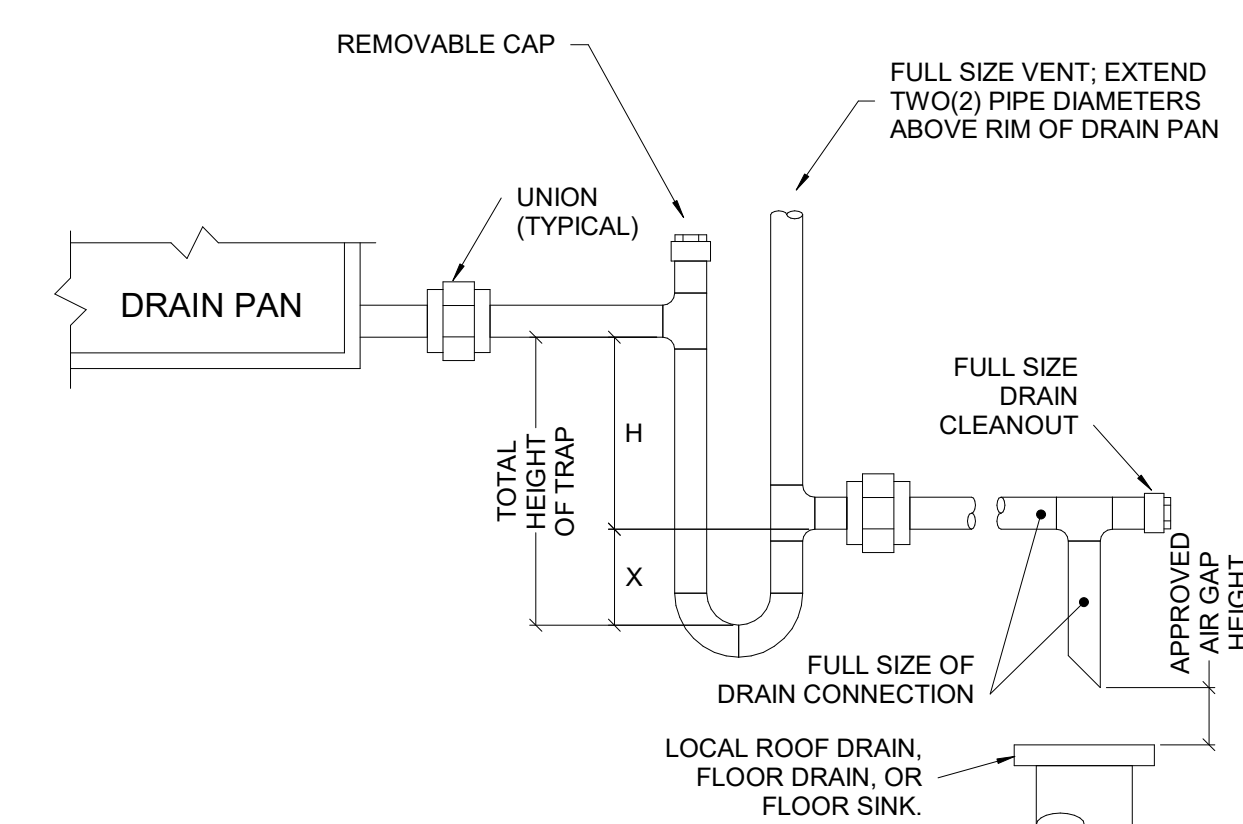


NOTE ON PLAN: HANGER NUMBER AND 'A' DIMENSION

PIPE SIZE	ROD SIZE	'B' DIM.	MIN 'C' DIM.	MAX 'C' DIM.
3/4"			12"	1-5/8"
1"			9/8"	1-3/4"
1-1/4"			13/16"	1-7/8"
1-1/2"			15/16"	2"
2"			1-3/16"	2-3/8"
2-1/2"			1-7/16"	2-3/4"
3"			1-3/4"	3-1/4"
3-1/2"			2"	3-5/8"
4"			2-1/4"	3-7/8"
5"			2-3/4"	4-3/4"
6"	1/2"		3-5/16"	5-1/2"
8"			4-5/16"	6-3/4"

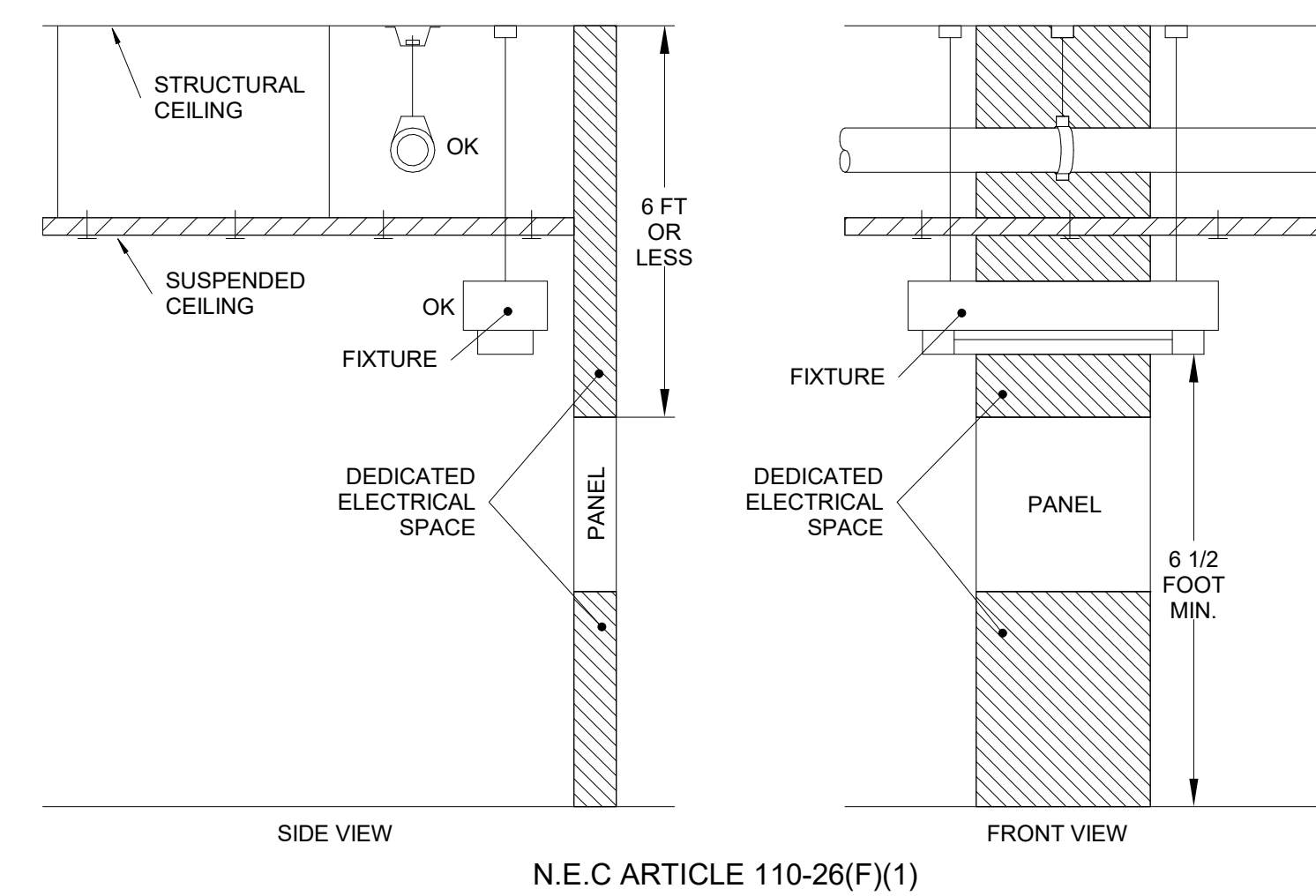
BAR JOIST HANGER WITH NUTS AND WASHERS

6 DETAIL - PIPE HANGER - BAR JOIST
NOT TO SCALE

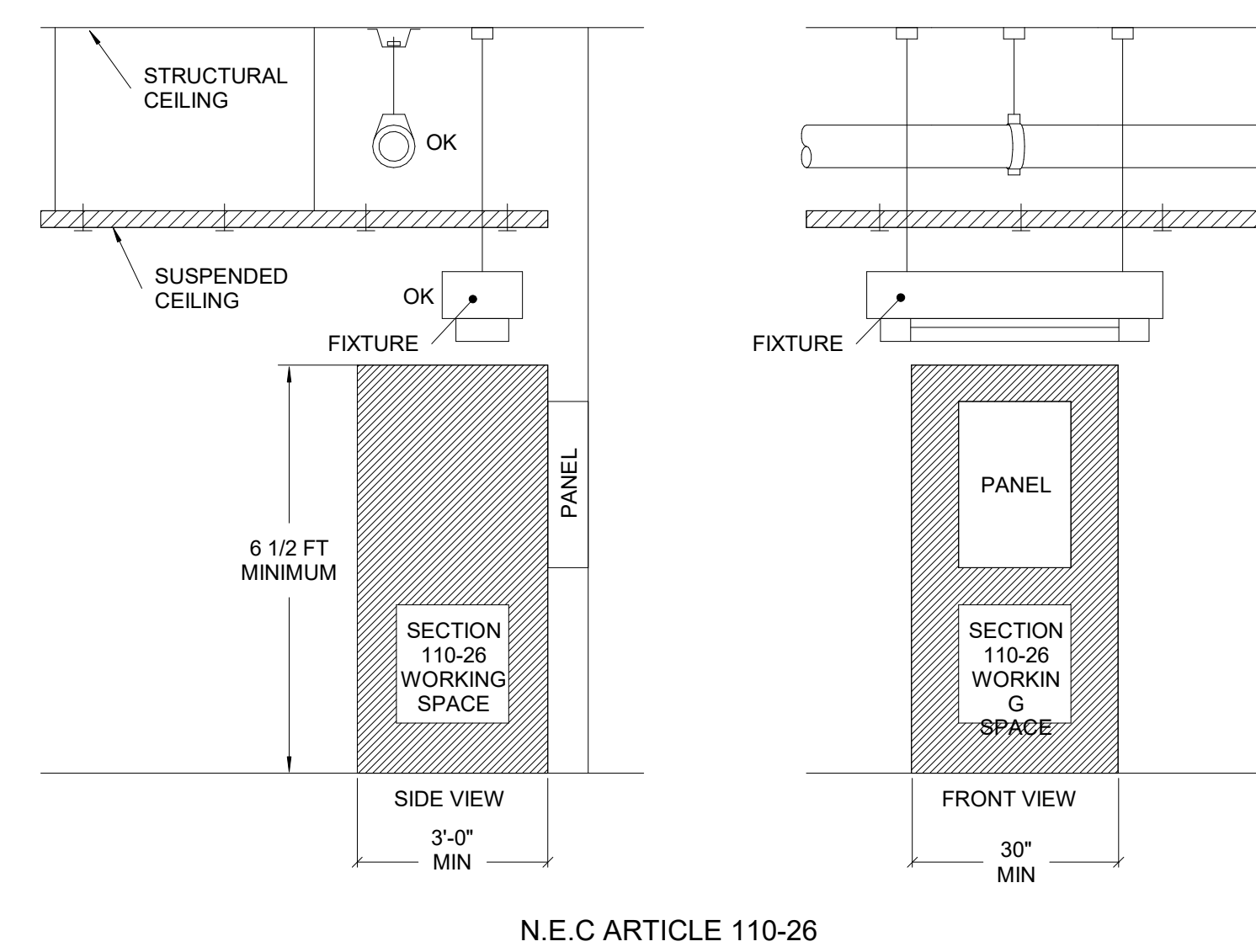


BLOW THROUGH	DRAW THROUGH
X = MINIMUM 1" PLUS CASING STATIC PRESSURE	X = 1/2 "H"
H = MINIMUM 1"	H = MINIMUM 1" PLUS CASING STATIC PRESSURE

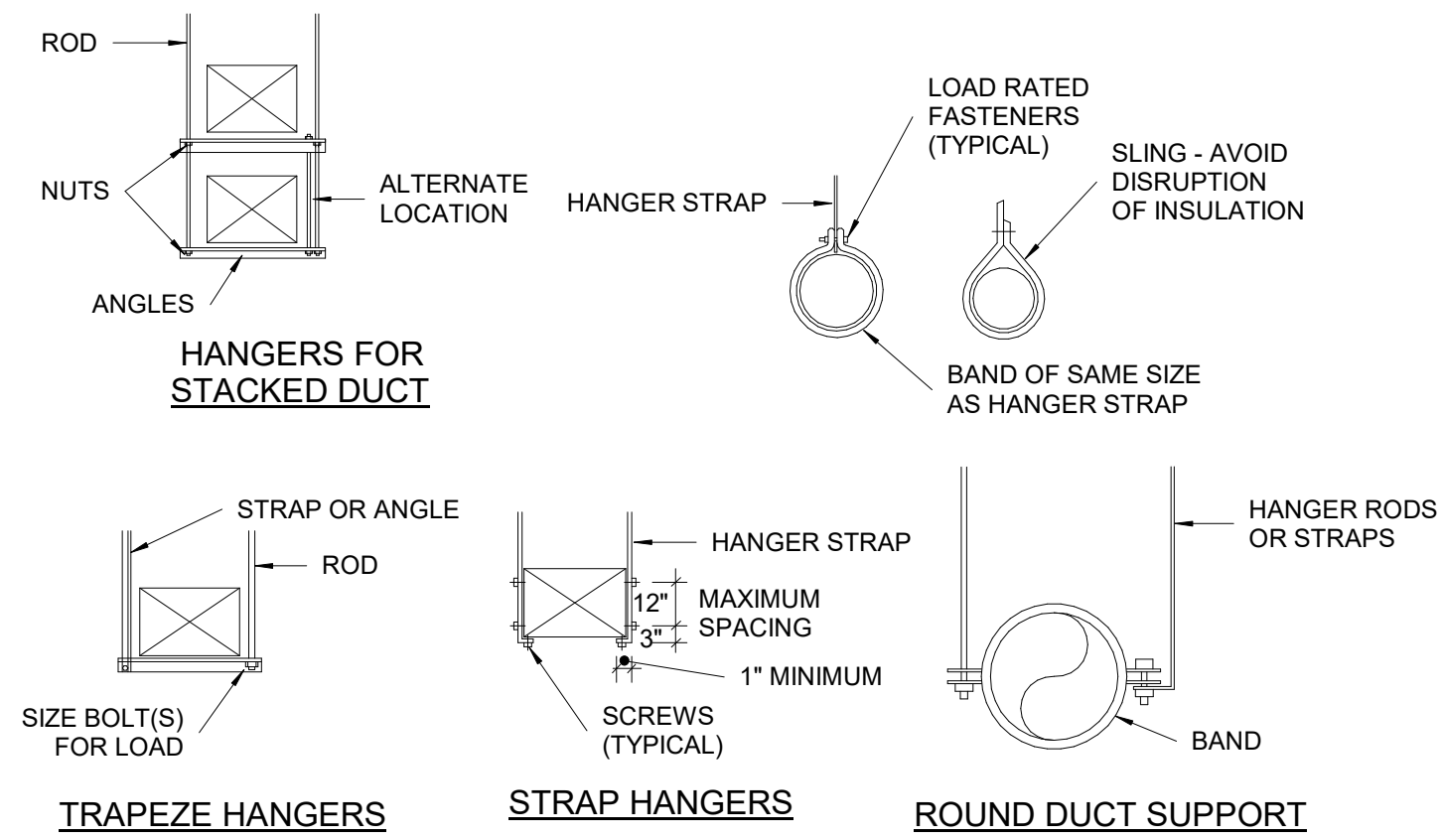
1 DETAIL - CONDENSATE DRAIN DETAIL
NOT TO SCALE



2 DETAIL - DEDICATED SPACE FOR ELECTRICAL EQUIPMENT
NOT TO SCALE



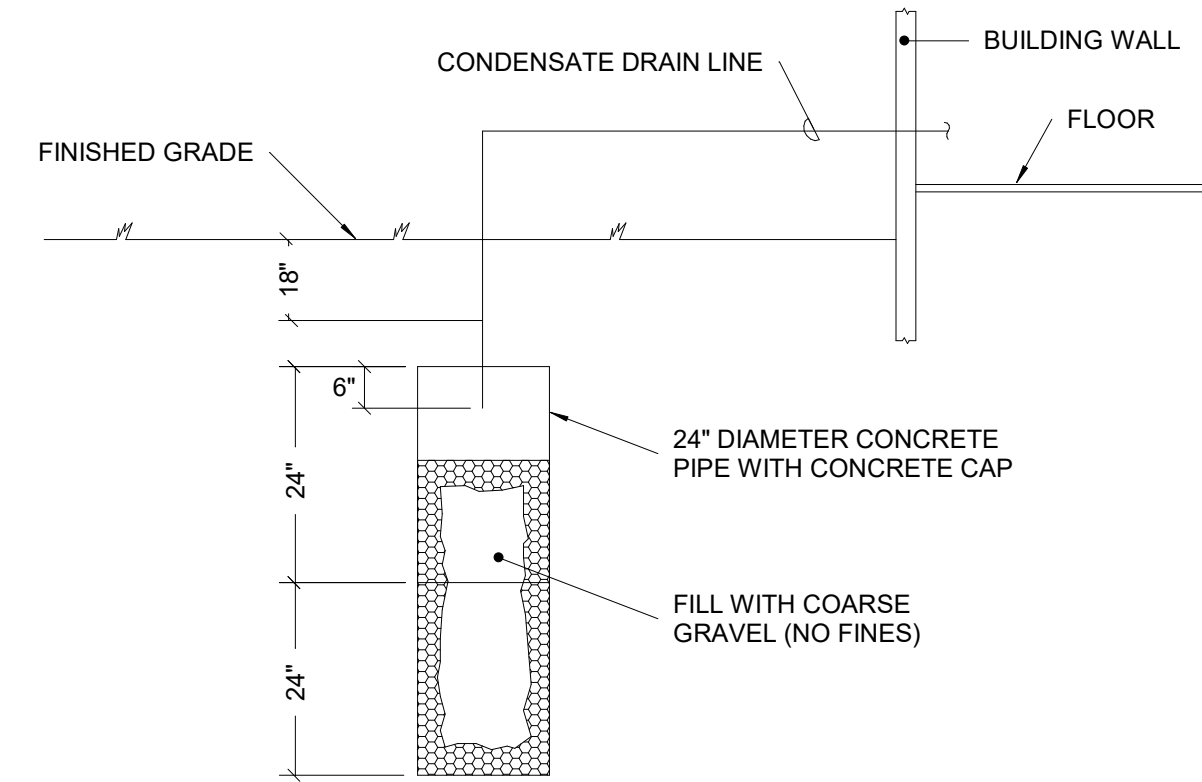
3 DETAIL - WORKING CLEARANCE FOR ELECTRICAL EQUIPMENT
NOT TO SCALE



- NOTES:
1. REINFORCEMENT MAY BE USED FOR ATTACHMENT IF IT QUALIFIES FOR BOTH DUTIES.
 2. DO NOT EXCEED LOAD RATINGS FOR METHOD USED FROM SMACNA DUCT STANDARDS

5 DETAIL - TYPICAL DUCT HANGERS

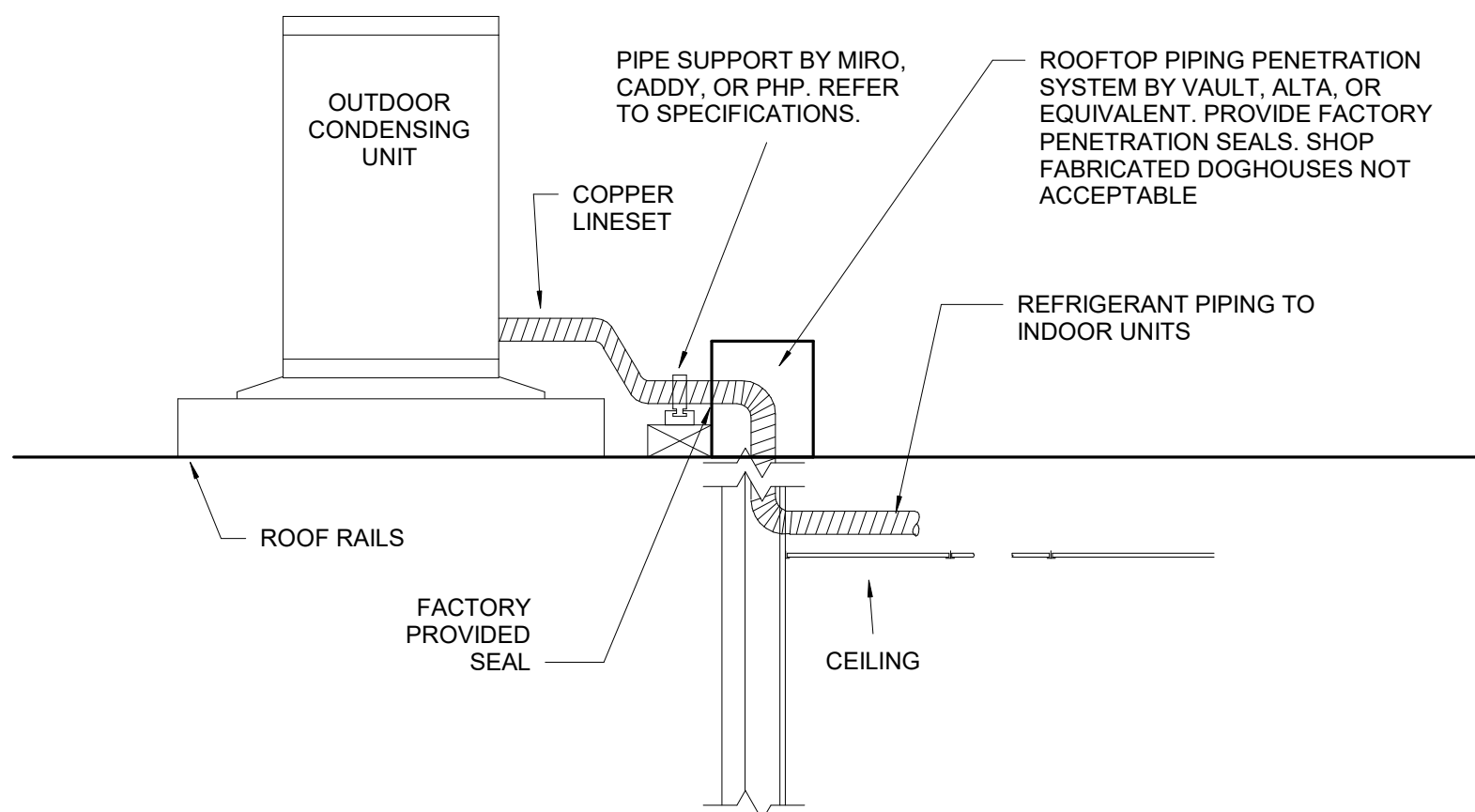
NOT TO SCALE



NOTE:
DRY WELL TO BE A MINIMUM OF 24\"/>

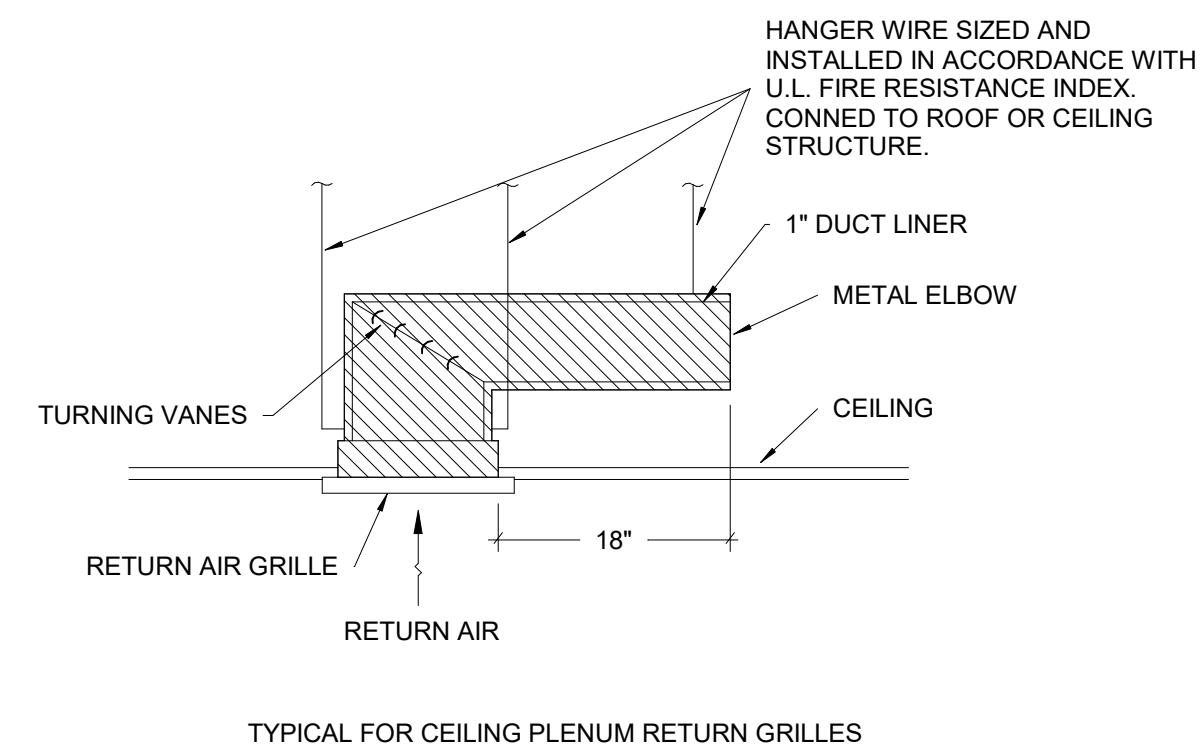
6 DETAIL - DRY WELL

NOT TO SCALE



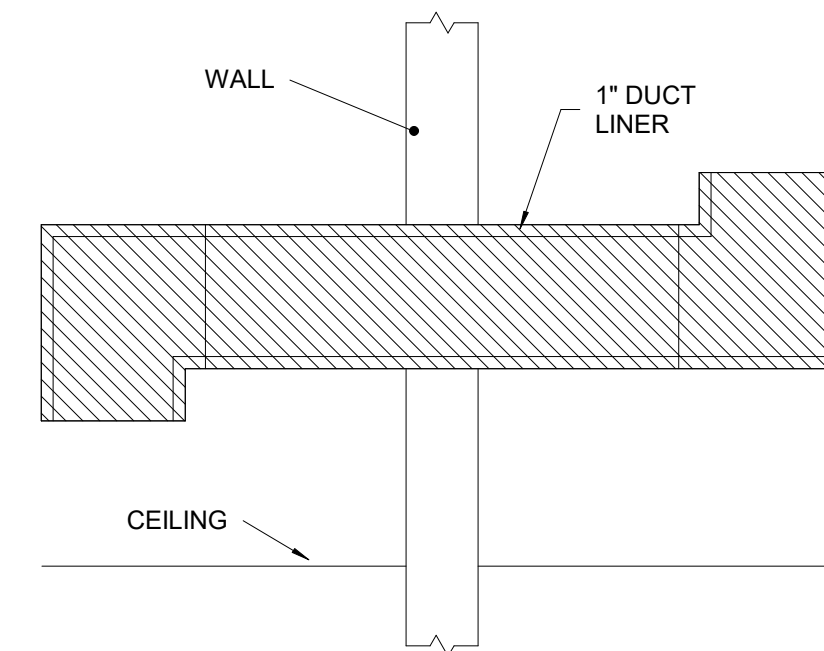
7 DETAIL - OUTDOOR CONDENSING UNIT ROOF PIPING

NOT TO SCALE



3 DETAIL - RETURN AIR GRILLE

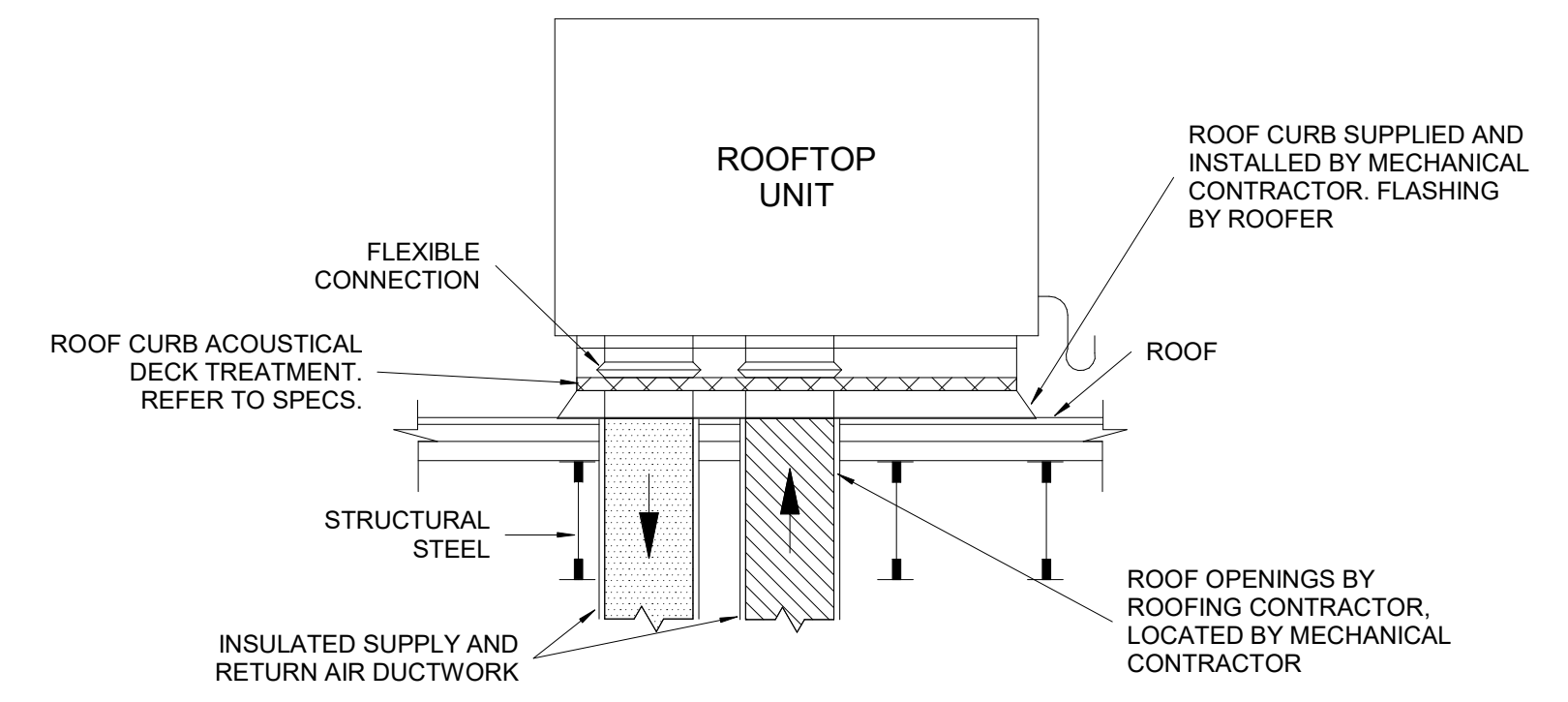
NOT TO SCALE



- NOTES:
- A. ELBOWS MAY BE INSTALLED HORIZONTALLY, AS SPACE REQUIRES.
 - B. DIMENSIONS ON PLAN ARE INSIDE CLEAR.

4 DETAIL - RETURN AIR TRANSFER DUCT

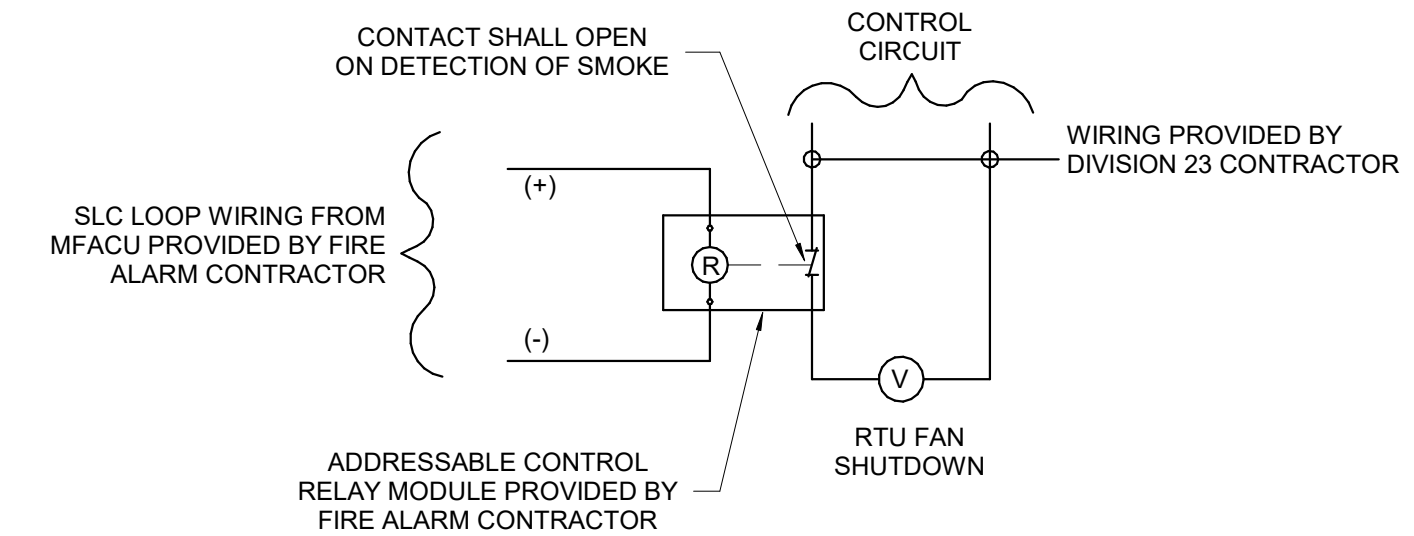
NOT TO SCALE



- NOTES:
1. CURB ATTACHMENTS TO STRUCTURE AND UNIT ATTACHMENTS TO CURB SHALL BE RATED FOR THE PROJECT WIND ZONE. REFER TO CODE SUMMARY SHEET.
 2. ALL ROOFTOP UNITS SHALL BE LOCATED 10'-0\"/>

1 DETAIL - ROOF TOP HEAT PUMP UNIT

NOT TO SCALE



RTU SHUTDOWN DIAGRAM

FIRE ALARM INTERLOCK
The Fire Alarm Contractor shall provide a fire alarm relay for the supply fan(s) at each RTU. The relay shall be a be wired directly to the RTU shutdown by the BAS Contractor.
The relay shall also have an auxiliary contact. The BAS Contractor shall wire from the auxiliary contact to the BAS controller to monitor FA shutdown for that fan on the BAS front end.

2 AHU SHUTDOWN DIAGRAM

NOT TO SCALE

ID	DATE	DESCRIPTION

ROOF VENT UNIT SCHEDULE

MARK	MANUFACTURER	MODEL	SUPPLY FAN				COOLING COIL				GAS HEAT				REHEAT COIL				RERIGERATION CIRCUIT				ELECTRICAL				REMARKS	WEIGHT (LBS)				
			OA (CFM)	QTY	CFM	ESP IN	HP	BHP	EDB (°F)	EWB (°F)	TOTAL COOLING (MBH)	SENSIBLE COOLING (MBH)	LDB (°F)	LWB (°F)	INPUT (MBH)	OUTPUT (MBH)	AFUE	TURND OWN	EDB (°F)	LDB (°F)	CAPACITY (MBH)	EDB (°F)	LDB (°F)	COMP QTY	COMP RLA (E.A.)	COND FAN QTY/HP			IEER	V	PH	MCA
RTU-1A	AAON	RN-007-3	650	1	1300	1.2	-	-	78.8	71.8	74.2	35.9	52.6	52.4	90.0	72.9	81	10.1	42.5	92.4	32.1	53.2	75.0	1	12.4	1/1.0	21.5	480	3	19	30	1,500
RTU-1B	AAON	RN-007-3	650	1	1300	1.2	-	-	78.8	71.8	74.2	35.9	52.6	52.4	90.0	72.9	81	10.1	42.5	92.4	32.1	53.2	75.0	1	12.4	1/1.0	21.5	480	3	19	30	1,500
RTU-2	AAON	RQ-006-3	275	1	1180	1.2	2.0	1.00	76.9	67.9	55.5	29.5	49.3	49.3	60.0	81.0	81	2.81	54.6	118	30.2	51.0	75.0	1	6.5	1/0.33	18.7	480	3	13	15	1,200
RTU-3	AAON	RQ-006-3	450	1	1035	1.2	2.0	0.88	76.5	71.0	57.0	28.4	52.2	52.2	100.0	81.0	81	2.81	43.6	116	25.1	52.2	75.0	1	6.5	1/0.33	18.7	480	3	13	15	1,200
RTU-4	AAON	RQ-006-3	400	1	1430	1.2	2.0	1.28	77.2	68.6	62.7	32.7	53.2	53.1	100.0	81.0	81	2.81	52.0	104	33.2	53.2	75.0	1	7.2	1/0.33	19.2	480	3	14	20	1,200
RTU-5	AAON	RQ-004-3	280	1	935	1.2	2.0	0.80	77.4	68.9	45.0	23.0	51.9	51.9	60.0	48.6	81	3.31	50.9	99	22.9	51.9	75.0	1	6.0	1/0.33	18.3	480	3	13	15	1,200
RTU-6	AAON	RN-007-3	480	1	1600	1.2	2.0	1.14	77.4	69.0	69.6	36.5	54.1	54.1	150.0	120.0	81	3.1	50.9	120	35.6	54.1	75.0	1	9.7	1/0.33	14.8	480	3	17	25	1,500
RTU-7	AAON	RQ-006-3	200	1	1120	1.2	2.0	0.96	76.4	67.0	53.8	29.5	49.3	49.3	60.0	48.6	81	3.31	57.7	98	30.7	49.3	75.0	1	6.5	1/0.33	18.7	480	3	13	15	1,200
RTU-8	AAON	RQ-006-3	225	1	1425	1.2	2.0	1.23	76.3	66.7	58.5	33.3	52.0	51.7	100.0	81.0	81	2.81	58.9	111	35.0	52.0	75.0	1	7.2	1/0.33	19.4	480	3	14	20	1,200
RTU-9	AAON	RQ-004-3	200	1	900	1.2	2.0	0.73	76.8	67.7	42.7	22.9	50.7	50.5	60.0	48.6	81	3.31	55.2	105	23.3	50.7	75.0	1	6.0	1/0.33	19.2	480	3	13	15	1,200
RTU-10	AAON	RQ-005-3	320	1	1060	1.2	2.0	0.86	77.4	69.0	54.1	27.2	51.0	50.9	100.0	81.0	81	2.81	50.8	121	27.0	51.0	75.0	1	6.5	1/0.33	19.0	480	3	13	15	1,200
RTU-11	AAON	RQ-003-3	150	1	750	1.2	1.0	0.82	76.6	67.4	36.7	19.6	49.6	49.4	60.0	48.6	81	3.31	56.5	116	20.2	49.6	75.0	1	4.5	1/0.33	18.6	480	3	9	15	1,000
RTU-12	AAON	RQ-005-3	150	1	1250	1.2	2.0	1.01	76.0	66.0	52.6	30.4	49.8	49.8	60.0	48.6	81	3.31	61.0	98	32.2	49.8	75.0	1	6.5	1/0.33	19.0	480	3	13	15	1,200
RTU-13	AAON	RQ-004-3	310	1	900	1.2	2.0	0.73	77.7	69.7	44.4	21.8	52.7	52.6	60.0	48.6	81	3.31	48.5	98	21.3	52.7	75.0	1	6.0	1/0.33	19.2	480	3	13	15	1,200
RTU-14	AAON	RQ-003-3	140	1	800	1.2	1.0	0.66	76.4	66.9	36.9	20.3	50.2	49.9	60.0	48.6	81	3.31	57.9	114	21.2	50.2	75.0	1	4.5	1/0.33	18.7	480	3	9	15	1,000
RTU-15	AAON	RQ-003-3	100	1	710	1.2	1.0	0.59	76.1	66.4	35.6	19.6	47.7	47.5	60.0	48.6	81	3.31	59.9	120	20.6	47.7	75.0	1	4.5	1/0.33	18.7	480	3	9	15	1,000
RTU-19	AAON	RQ-005-3	225	1	1325	1.2	2.0	1.11	76.4	66.9	54.3	30.7	52.3	52.0	100.0	81.0	81	2.81	58.2	115	32.1	52.3	75.0	1	6.5	1/0.33	19.0	480	3	13	15	1,200
RTU-17	AAON	RQ-006-3	175	1	1505	1.2	2.0	1.33	75.9	66.0	58.1	34.3	52.0	51.7	100.0	81.0	81	2.81	61.2	111	36.9	52.0	75.0	1	7.2	1/0.33	19.4	480	3	14	20	1,200
RTU-18	AAON	RQ-004-3	225	1	900	1.2	2.0	0.73	77.0	68.2	43.1	22.6	51.2	51.1	60.0	48.6	81	3.31	53.6	103	22.8	51.2	75.0	1	6.0	1/0.33	19.2	480	3	13	15	1,200
RTU-19	AAON	RQ-004-3	310	1	900	1.2	2.0	0.73	77.7	69.7	44.4	21.8	52.7	52.6	60.0	48.6	81	3.31	48.6	98	21.3	52.7	75.0	1	6.0	1/0.33	19.2	480	3	13	15	1,200
RTU-20	AAON	RQ-004-3	310	1	1000	1.2	2.0	0.84	77.5	69.1	45.9	23.4	53.1	53.1	60.0	48.6	81	3.31	50.4	96	23.3	53.1	75.0	1	6.0	1/0.33	18.3	480	3	13	15	1,200
RTU-21	AAON	RN-007-3	500	1	1375	1.2	2.0	0.94	77.9	70.0	68.8	33.9	53.1	52.9	90.0	72.9	81	3.1	47.4	96	31.9	53.1	75.0	1	9.7	1/0.33	14.8	480	3	17	25	1,500

GENERAL NOTES:

- A. ALL UNITS ARE DOWNFLOW ORIENTATION
- B. BASIS OF DESIGN IS R-454B
- C. BASIS OF DESIGN HAVE VARIABLE SPEED SCROLL COMPRESSORS
- D. PROVIDE ALL DUCT TRANSITIONS FROM UNIT
- E. PROVIDE METAL MESH OUTDOOR AIR PREFILTER AND 2" MERV 13 FILTERS
- F. PROVIDE 0-100% ECONOMIZER WITH LOW LEAKAGE DAMPERS. PROVIDE DRY BULB SENSOR FOR ECONOMIZER OPERATION
- G. PROVIDE FACTORY CIRCUIT BREAKER IN NEMA 3R ENCLOSURE, SINGLE POINT POWER CONNECTION, AND 24 VOLT CONTROLS TRANSFORMER. 55 KA SCOR MINIMUM
- H. PROVIDE WALL MOUNTED TEMPERATURE SENSOR AND RETURN DUCT MOUNTED HUMIDITY SENSOR.
- I. PROVIDE WITH STAINLESS STEEL DRAIN PAN
- J. PROVIDE 30 inch TALL VIBRATION ISOLATION CURB WITH 2" SPRING ISOLATION. CURB SHALL BE RATED FOR PROJECT WIND ZONE. REFER TO THE CODE SUMMARY SHEET FOR INFORMATION.
- K. PROVIDE ENGINEERING CALCULATIONS WITH SUBMITTAL. CURB SHALL HAVE MINIMUM R-8.0 INSULATION.
- L. PROVIDE FIELD WIRING 115 VOLT GFI RECEPTACLE
- M. PROVIDE DOUBLE-WALL CONSTRUCTION WITH R-13 FOAM INSULATION
- N. PROVIDE MODULATING GAS HEAT WITH STAINLESS STEEL HX
- O. PROVIDE MODULATING HOT GAS REHEAT
- P. PROVIDE CONDENSATE OVERFLOW SWITCH
- Q. PROVIDE BACNET INTERFACE
- R. PROVIDE REMOTE DISPLAY OPTION
- S. PROVIDE PHASE LOSS AND PROTECTION, HAL GUARDS, AND ACCESS DOORS
- T. PROVIDE MOTOR SHAFT GROUNDING FOR VFD MOTORS
- U. MECHANICAL CONTRACTOR SHALL PROVIDE FINAL GAS REGULATOR FOR ALL UNITS OPERATING WITH NATURAL GAS
- V. EQUIVALENTS BY GREENHECK, TRANE, OR AS LISTED IN THE SPECIFICATION.

DUCTLESS SPLIT UNIT (OUTDOOR) SCHEDULE

MARK	MODEL	TOTAL COOLING (MBH)	HEATING (MBH)	SEER	COMP. QTY/RLA	ELECTRICAL V	PH	MCA	MFS	HSPT	WEIGHT (LBS)	REMARKS
DSC-1	AM036TXMDCHAA	36.0	42.0	20.5	1/17.3	208	1	23	40	10.0	220	
DSC-2	AM036TXMDCHAA	36.0	42.0	20.5	1/17.3	208	1	23	40	10.0	220	
DSC-3	AC018BXSCCCIAA	18.0	-	20.5	1/8.2	208	1	13.5	15	-	90	

GENERAL NOTES:

- A. MODEL NUMBERS ARE BASED ON SAMSUNG EQUIPMENT. EQUIVALENTS BY MITSUBISHI, DAIKIN, LG, OR AS LISTED IN THE SPECIFICATIONS
- B. UNITS SHALL BE TESTED PER AHRI 1320
- C. PROVIDE OPTIONAL WIND Baffle FOR ALL UNITS FOR LOW AMBIENT COOLING DOWN TO 0 DEG. F
- D. ALL ROOF CURBS/RAILS AND ATTACHMENTS THERETO SHALL BE THIRD PARTY LISTED FOR THE PROJECT WIND ZONE. ANCHORING DETAILS FOR THE UNIT TO THE RAILS, AND RAILS TO THE STRUCTURE, SHALL BE INCLUDED WITH THE SUBMITTAL
- E. PROVIDE EPOXY COATING ON CONDENSER COIL FOR 3000 HR SEA COAST APPLICATION.

DUCTLESS SPLIT UNIT (INDOOR) SCHEDULE

MARK	MODEL	SUPPLY CFM	ESP	TOTAL COOLING (MBH)	SENSIBLE COOLING (MBH)	HEATING (MBH)	ELECTRICAL V	PH	FLA	MFS	WEIGHT (LBS)	REMARKS
DS-1A	AM018TNVNDCHAA	555	-	18.0	12.9	20.0	208	1	1	15	25	
DS-1B	AM018TNVNDCHAA	555	-	18.0	12.9	20.0	208	1	1	15	25	
DS-2A	AM018NNDCHAA	460	-	18.0	12.9	20.0	208	1	1	15	30	
DS-2B	AM018NNDCHAA	460	-	18.0	12.9	20.0	208	1	1	15	30	
DS-3	AC018BNADCHAA	540	-	18.0	12.9	N/A	208	1	1	15	25	

GENERAL NOTES:

- A. MODEL NUMBERS ARE BASED ON SAMSUNG EQUIPMENT. EQUIVALENTS BY DAIKIN, MITSUBISHI, LG, OR AS LISTED IN THE SPECIFICATIONS
- B. PROVIDE CONDENSATE PUMP, POWERED DIRECTLY FROM INDOOR UNIT TERMINALS, WITH EACH UNIT. 1 GPH AT 33 FT OF HEAD
- C. PROVIDE WIRING CONTROLLER FOR ALL UNITS UNLESS OTHERWISE SPECIFIED
- D. UNITS SHALL BE TESTED PER AHRI 1320

AIR DISTRIBUTION SCHEDULE

MARK	MANUFACTURER	MODEL	PURPOSE	MIN CFM	MAX CFM	FACE SIZE	INLET SIZE	REMARKS
10x6	PRICE	620	SUPPLY	30	175	-	10x6	<varies>
10x6R	PRICE	630	RETURN	-	-	-	10x6	
12x6	PRICE	620	SUPPLY	180	310	-	12x6	1.5
16x6	PRICE	620	SUPPLY	315	425	-	14x6	1.5
A	PRICE	ASPD	SUPPLY	30	100	24x24	6	1,2,3
B	PRICE	ASPD	SUPPLY	105	250	24x24	8	1,2,3
C	PRICE	ASPD	SUPPLY	255	375	24x24	10	1,2,3
LS4	PRICE	SDS100	SUPPLY	150	220	4" SLOT	8	6
R	PRICE	APDDR	RETURN/EXHAUST	30	100	24x24	6	1,2,3,4
S	PRICE	APDDR	RETURN/EXHAUST	105	220	24x24	8	1,2,3,4
T	PRICE	APDDR	RETURN/EXHAUST	225	375	24x24	10	1,2,3,4
Z	PRICE	APDDR	RETURN	0	1400	24x24	22x22	1,2,4

GENERAL NOTES:

- A. BASIS OF DESIGN IS PRICE. EQUIVALENTS BY TITUS, KRUEGER, TUTTLE AND BAILEY, MAILOR, OR AS LISTED IN SPECIFICATIONS
- B. PROVIDE VOLUME DAMPERS AT TAKE-OFF FOR EACH GRILLE
- C. ALL AIR DISTRIBUTION DEVICES SHALL BE ALUMINUM
- D. THE PRICE MODELS SCHEDULED HERE ARE BASIS OF DESIGN, INCLUDING GENERATED NOISE. PROPOSED SUBSTITUTIONS WILL BE JUDGED BY THOSE CRITERIA ALSO
- E. WHERE LOCATED IN HARD CEILINGS, PROVIDE ALUMINUM MOUNT FRAME/PLASTER FRAME FOR HARD CEILING THAT ALLOWS DIFFUSER/GRILLE WITH FLEX CONNECTION TO BE LIFTED OUT OF FRAME TO ACCESS CEILING SPACE. TYPICAL OF ALL HARD CEILING LOCATIONS. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN
- F. FOR SIDE WALL GRILLES, PROVIDE REMOTE CABLE OPERATED, GEAR DRIVEN BALANCING DAMPER OPERABLE FROM FACE OF DIFFUSER
- G. FOR DIFFUSERS AND GRILLES IN I-HR RATED CEILINGS, PROVIDE CEILING RADIATION DAMPER WITH ROUND SIDE COLLAR CONNECTION. THE RADIATION DAMPER SHALL INCLUDE A FACTORY RI-DUCT/BOARD PLENUM BOX AND SHALL ACCEPT A GRILLE OR DIFFUSER UP TO 2-1/2" THICK. PROVIDE PLASTER FLANGE AS DICTATED BY THE ARCHITECTURAL CEILING. COORDINATE SIZES WITH GRILLE/DIFFUSER DIMENSIONS. RUSKIN CFD7T-R6-DB OR APPROVED EQUIVALENT.

REMARKS:

- 1. PROVIDE WITH OFF-WHITE ENAMEL FINISH
- 2. PROVIDE WITH TRIM TO MATCH CEILING TYPE. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING
- 3. PROVIDE DIFFUSER/GRILLE WITH ROUND NECK OR PROVIDE SQUARE TO ROUND TRANSITION
- 4. ALL CEILING MOUNTED RETURN GRILLES SHALL BE FULL FACED. NO LAY-IN PANELS ALLOWED
- 5. PROVIDE MANUAL OPERATED DAMPER
- 6. PROVIDE LINEAR SLOT PLENUM AND INTERNAL INSULATION. CONTRACTOR TO ALSO FIELD INSULATED EXTERIOR OF PLENUM. 2 SLOTS.

FAN SCHEDULE

MARK	MANUFACTURER	MODEL	CFM	ESP	HP	WATTS/BHP	RPM	MAX RPM	SONES	ELECTRICAL V	PH	WEIGHT	REMARKS
EF-1	GREENHECK	G-095-VG	240	0.49	0.17	0.05	1299	1400	6.7	115			