

SITE KEY DEMO NOTES:

- 1 APPROX. LOC. OF EXIST. POLE LIGHT TO BE RELOCATED. REMOVE LIGHT AND ASSOCIATED POLE FOR REUSE. DEMOLISH EXISTING POLE BASE. SEE SITE PLAN FOR NEW LOCATION. REWORK EXTERIOR LIT. O.K.T. AS INDICATED.

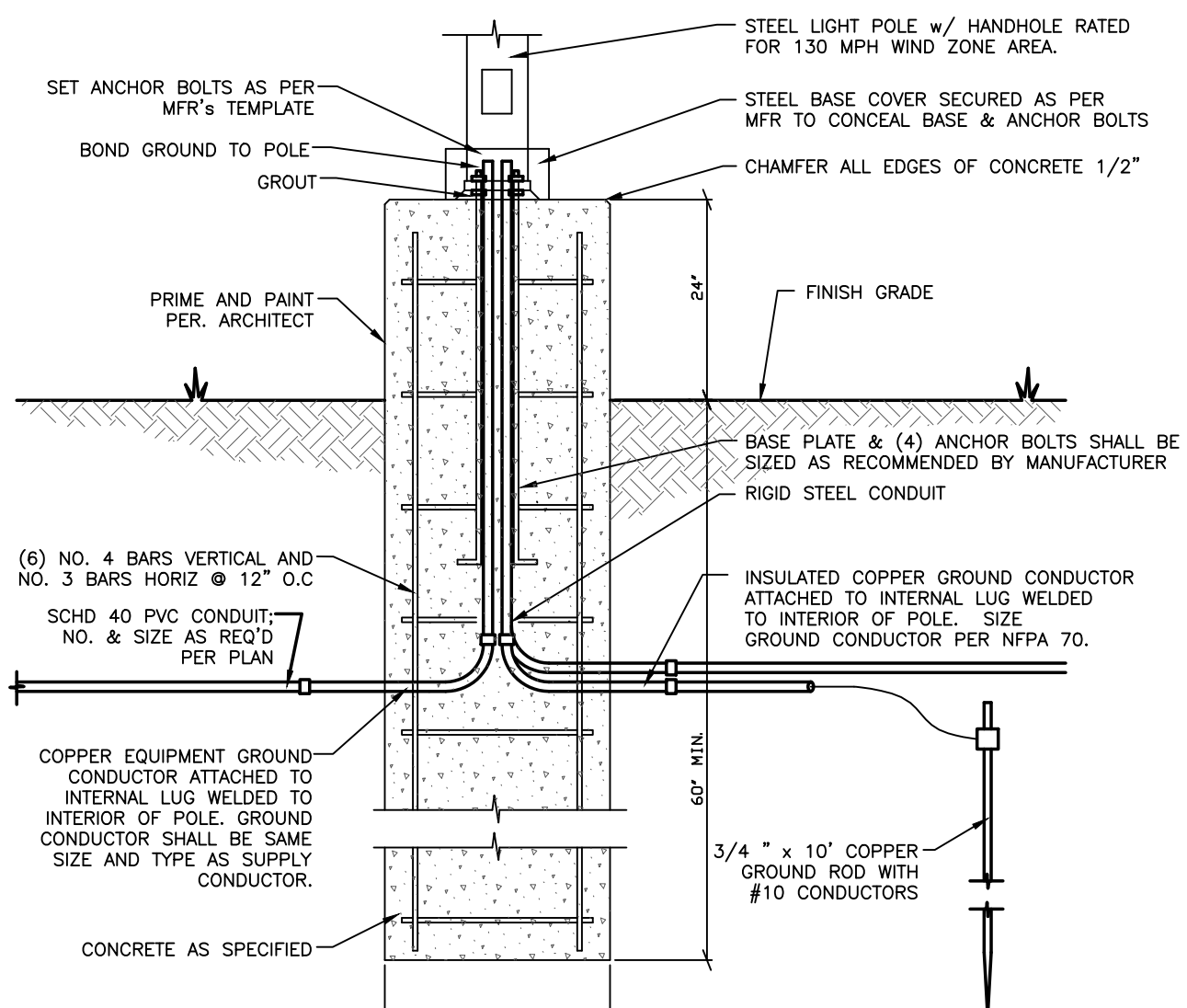
SITE KEY NOTES:

- A PROVIDE AND INSTALL NEW POLE LIGHT IN THIS LOCATION. THE NEW LIGHTS BACK TO EXISTING POLE LIGHT POWER O.K.T. "3LB-21" (SEE PANEL SCHEDULES).
- B LOCATION OF RELOCATED 30' POLE LIGHT. THE IN RELOCATED LIGHTS TO NEW OR LOCAL LIGHTING CIRCUIT AS INDICATED.
- C PROVIDE AND INSTALL A 24" x 24" JUNCTION BOX (QUARTER OR EQUAL) IN THIS APPROXIMATE LOCATION AND AS NEEDED FOR PULING FEEDERS.
- D INSTALL EMPTY 3" CONDUIT WITH INSULATING UNDER BUILDING AND ROAD AS INDICATED FOR FUTURE GREENHOUSE POWER. CAP BOTH ENDS OF EMPTY CONDUIT. SEE "NOTES" FOR CIRCUIT BREAKER PROVIDED FOR FUTURE.
- E PROVIDE NEW PUMP CONTROL/ALARM PANEL & COORDINATE LOCATION WITH OWNER AS REQUIRED BY S.C. (E.G. TO PROVIDE POWER).
- F INSTALL 120" UNDER BUILDING AND ROAD AS INDICATED FOR LIFT STATION CONTROL/ALARM PANEL. DISCONNECT SWITCH/RECEPT CIRCUIT.

SITE LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	LAMPS	VOLTS	WATTS	B.F.	CATALOG NUMBER
D2	SINGLE HEAD 30' POLE LIGHT	LED	MVOLT	185	-	POLE MOUNTED D-SERIES SIZE 2 SITE LIGHT WITH ARM AND LED HEAD ON 30'-0" ROUND POLE. FIXTURE BY LITHONIA #P2-50K-T2M-MVOLT-RPA (D2A) SELECTED COLOR OR APPROVED EQUAL BY WILLIAMS, PHILIPS, OR HUBBELL

- NOTES: 1) REFERENCE SPECIFICATION SECTION 16000
2) PROVIDE SUBMITTALS FOR PRE-BID APPROVAL AS SPECIFIED IN "INSTRUCTIONS TO BIDDERS", ARTICLE 3.3.2
3) WATTS = INPUT WATTS, B.F. = BALLAST FACTOR
4) ALL INTERIOR LAMPS TO HAVE A COLOR RENDERING TEMPERATURE INDEX OF 3500K TO 4000K
5) CATALOG NUMBERS MAY NOT BE COMPLETE; CONTRACTORS RESPONSIBILITY TO VERIFY CATALOG NUMBER



100.2 POLE BASE DTL
SCALE: NONE

CIRCUIT "BRH-1"	
SEGMENT	WIRE & CONDUIT SIZE
A1	2-#12 & 1-#12G IN 1" C
A2	2-#12 & 1-#12G IN 1" C
A3	2-#12 & 1-#12G IN 1" C
A4	2-#12 & 1-#12G IN 1" C
A5	2-#12 & 1-#12G IN 1" C

100.1 SITE PLAN
SCALE: 1"=40'

Hite associates
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NEW CTE BUILDING FOR
Bertie High School
716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina

Project No. 22351
Date: March 2025
Drawing no. **PME 100**

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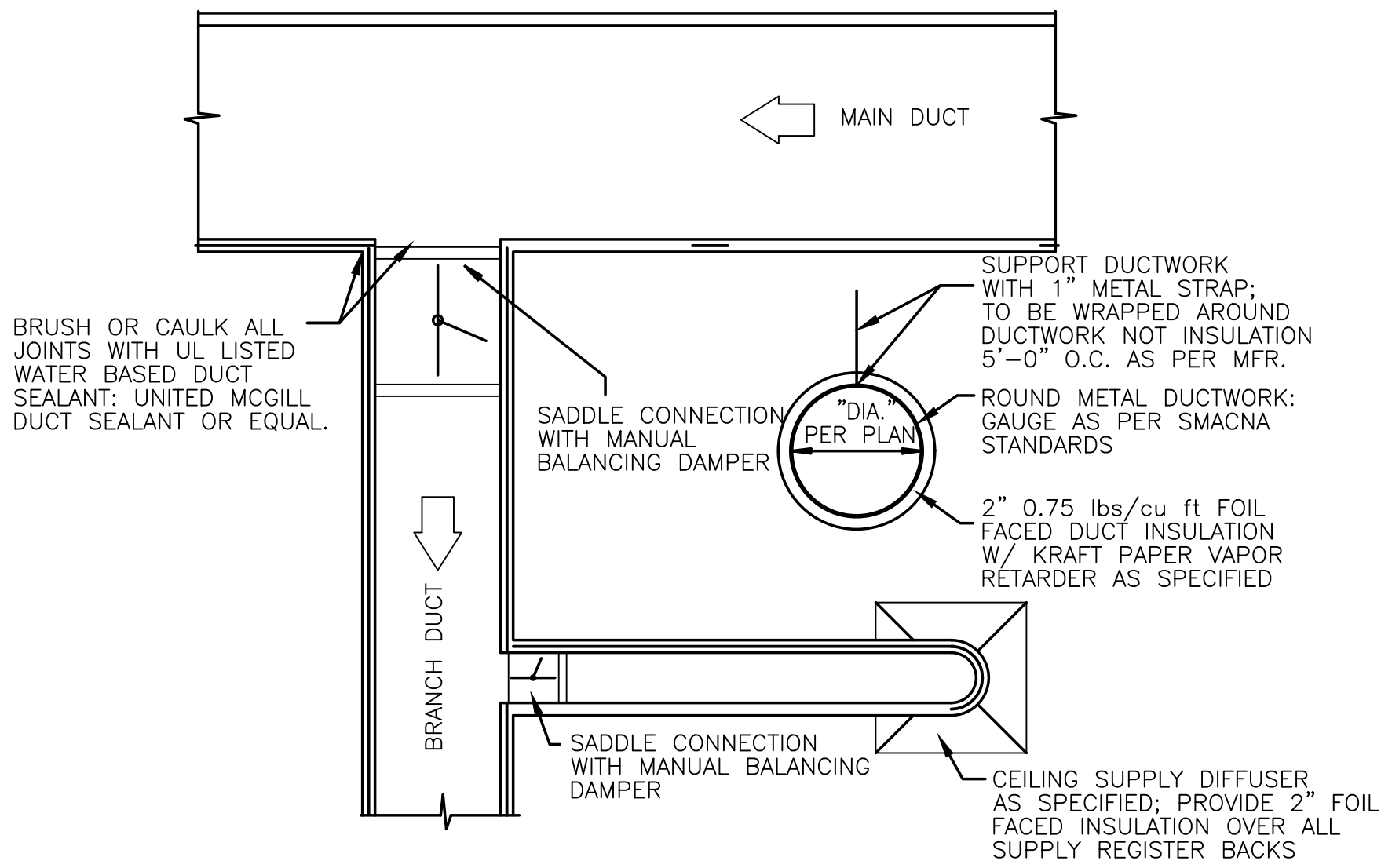
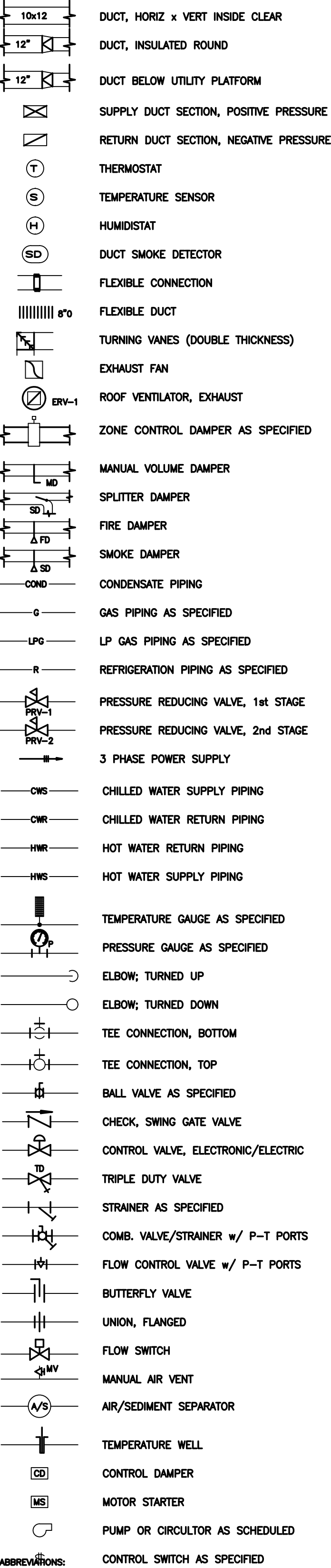
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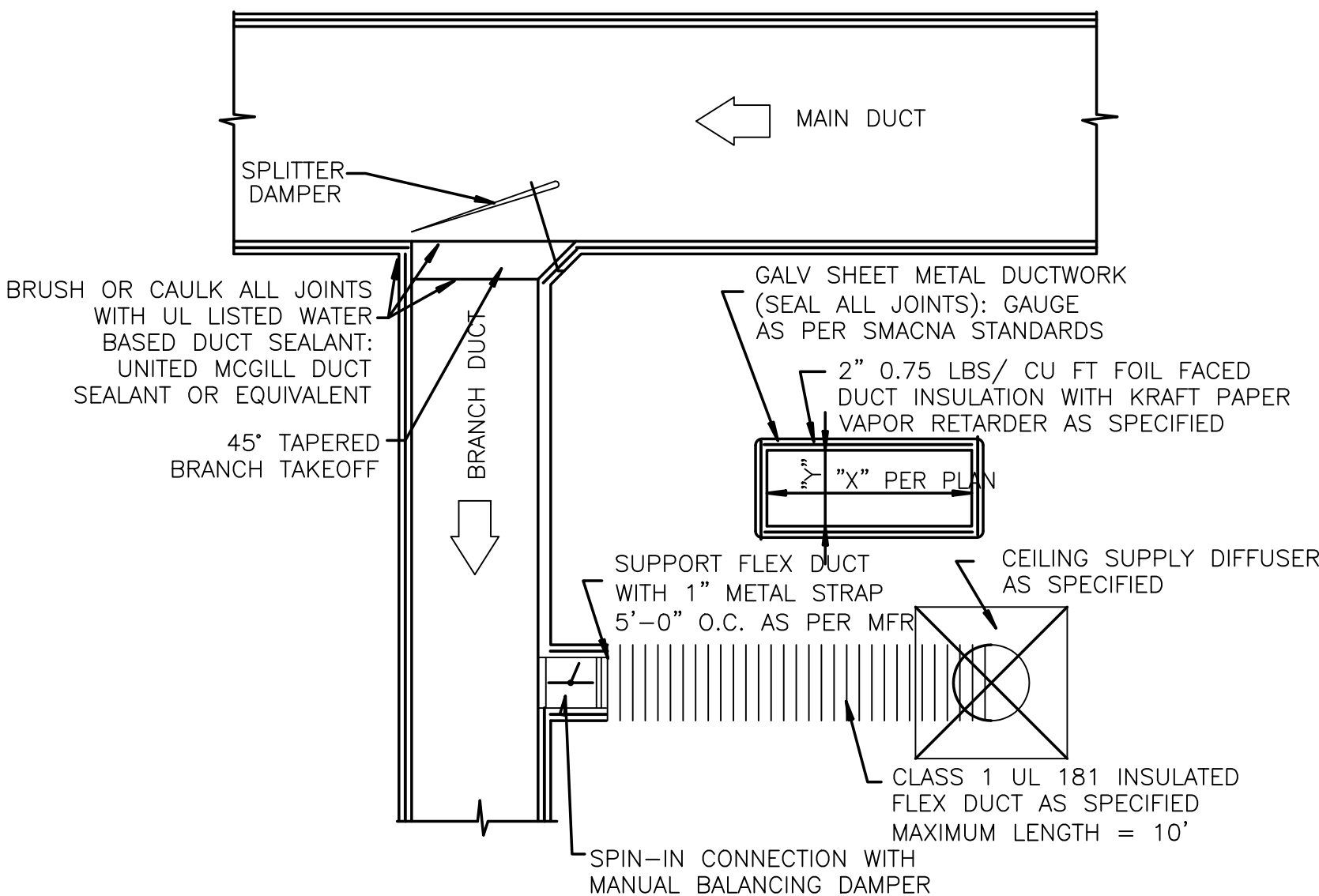
MECHANICAL GENERAL NOTES:

- REFERENCE ARCHITECTURAL, STRUCTURAL, PLUMBING, & ELECTRICAL DRAWINGS, AND SPECIFICATIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL VISIT SITE PRIOR TO SUBMITTING BID.
- ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE NC BUILDING CODE & CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING REGARDING ANY CODE DISCREPANCIES FOUND ON PLANS. CONTRACTOR IS RESPONSIBLE FOR PERMITS, INSPECTIONS AND FEES. THE CONTROLS CONTRACTOR (C.C.) SHALL PROVIDE ALL CONTROL VALVES, ACTUATORS, DAMPERS, FAN COIL COMBINATION STARTERS. C.C. SHALL PROVIDE ALL LOAD SIDE WIRING ASSOCIATED WITH ALL FAN COIL COMBINATION STARTERS. VALVE TAGS AND LABELING SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR (M.C.).
- DO NOT SCALE THESE DRAWINGS; REFER TO LARGEST SCALE ARCHITECTURAL DRAWINGS. THESE DRAWINGS ARE DIAGRAMMATIC ONLY & ARE NOT INTENDED TO SHOW MINOR DETAILS & EXACT LOCATIONS. DESIGN ADJUSTMENTS SHALL BE ANTICIPATED BY THE CONTRACTORS TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.
- "PROVIDE" IS DEFINED AS FURNISH & INSTALL AS PER MANUFACTURERS RECOMMENDATIONS.
- THE MECHANICAL & CONTROLS CONTRACTOR SHALL COORDINATE THE INSTALLATION OF HVAC EQUIPMENT & CONTROLS WITH GENERAL CONTRACTOR PRIOR TO INSTALLATION TO AVOID CONFLICT. CONTACT ARCHITECT IF ALTERNATE INSTALLATION METHOD IS REQUIRED.
- SYSTEMS INDICATED ON PLANS ARE DIAGRAMMATIC IN NATURE. CONTRACTOR SHALL EXAMINE SITE CONDITIONS PRIOR TO DUCT CONSTRUCTION AND COORDINATE INSTALLATION WITH OTHER TRADES. CONTRACTOR SHALL PROVIDE NECESSARY HANGERS, FASTENERS ETC. TO PROVIDE A COMPLETE AND WORKING SYSTEM.
- CONTRACTOR SHALL SEAL ALL DUCTWORK WITH A PAINT ON MASTIC. ALL WALL PENETRATIONS SHALL BE SEALED AIR TIGHT.
- CONTRACTOR SHALL COORDINATE ALL DUCTWORK, DIFFUSER AND GRILLE LOCATION WITH OTHER CEILING MOUNTED DEVICES SHOWN ON THE ARCHITECTURAL REFLECTED CEILING PLAN.
- CONTRACTOR SHALL INSTALL BALANCING DAMPERS IN EACH BRANCH DUCT TO PROVIDE PROPER AIRFLOW TO EACH ZONE.
- LOCATE THERMOSTATS AND TEMPERATURE SENSORS AT 4'-0" A.F.F. (CENTER OF BOX FOR GYP BRD, TOP OF BOX FOR MASONRY) IN LOCATIONS INDICATED ON PLANS.
- ALL DUCT DIMENSIONS ARE INSIDE CLEAR DIMENSIONS.
- CONTRACTOR SHALL COORDINATE ALL ROOF AND FLOOR PENETRATION LOCATIONS AND SIZES.
- FABRICATE AND INSTALL ALL DUCT WORK PER SMACNA 1.5" W.C. PRESSURE. ALL ELBOWS SHALL HAVE 1.5R CENTERLINE. ALL DUCT UNDER SLAB SHALL BE FIBERGLASS.
- ALL DUCT WORK SHALL BE SUPPORTED WITH METAL STRAPS AT LEAST 1" WIDE AND SHALL BE THE SAME GAUGE OR HEAVIER THAN THE DUCT. STRAPPING SHOULD BE SPACED AT NO MORE THAN 64" APART AND SHALL BE SECURELY FASTENED TO THE BUILDING STRUCTURE.
- SUSPEND ALL CEILING MOUNT AIR DISTRIBUTION DEVICES FROM STRUCTURE WITH 12 GA. WIRE. ALL HANGERS AND SUPPORTS TO BE INSTALLED PRIOR TO FIREPROOFING OF ROOF STRUCTURE.
- ALL FLEXIBLE ROUND DUCT SHALL BE PRE-INSULATED DOUBLE WALLED WITH SPIRAL METAL RIB, AND SHALL HAVE MIN. RESISTANCE VALUE OF R-6. MAXIMUM LENGTH SHALL BE 10'-0" UNLESS SHOWN SPECIFICALLY OTHERWISE IN PLAN. SECURE ENDS WITH NYLON BANDS AND TAPE.
- ALL SUPPLY AND RETURN DUCT SHALL BE INSULATED WITH A MINIMUM OF 2-3/16" 3/4 LB. OR 2" OF 1.0 LB. DENSITY FIBERGLASS WRAP. INSULATED DOUBLE WALLED SPIRAL DUCT SHALL HAVE A MINIMUM INSULATION THICKNESS OF 2" OF 1.5 LB. DENSITY. PIPING INSULATION (REFRIGERANT OR WATER) SHALL BE A MINIMUM OF 1-1/2" THICK OR PER LATEST NC ENERGY CODE, WHICHEVER IS GREATER.
- MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALUMINUM JACKET PROTECTIVE COVERING FOR ALL REFRIGERANT PIPE INSULATION INSTALLED ON THE BUILDING EXTERIOR.
- CABLE TRAY HAS RIGHT-OF-WAY OVER DUCTWORK; SEE ELECTRICAL DRAWINGS FOR LOCATION.
- SIDEWALL SUPPLY REGISTERS AND RETURN GRILLES ARE TO BE INSTALLED PLUMB AND LEVEL ALONG A COMMON ELEVATION. INSULATE BACK OF ALL LAY-IN CEILING SUPPLY REGISTERS AND DIFFUSERS.
- PROVIDE FLEXIBLE CONNECTORS ON SUPPLY AND RETURN CONNECTIONS TO HVAC UNITS.
- PROVIDE AUXILIARY CONDENSATE DRAIN PAN FOR ALL AIR HANDLING UNITS, FAN COIL UNITS, FURNACE WITH COOLING COIL, ETC. CONTRACTOR SHALL PROVIDE AND INSTALL WATER LEVEL FLOAT SWITCH IN AUXILIARY DRAIN PAN. FLOAT SWITCH SHALL SHUT DOWN INDOOR AND ASSOCIATED OUTDOOR UNIT WHEN ACTIVATED.
- CONDENSATE PIPE SHALL BE HARD DRAWN COPPER. INSTALL WITH PROPER SLOPE AND NO SAGS. COPPER PIPE SHALL BE INSULATED WITH 1/2" THICK CLOSED CELL INSULATION.
- ALL DUCTWORK AND PIPING SHALL BE CONCEALED ABOVE CEILINGS, TRUSSES AND SOFFITS EXCEPT IN MECHANICAL ROOMS, UTILITY PLATFORMS, AREAS WITH EXPOSED STRUCTURE (NO CEILINGS), AND WHERE NOTED OTHERWISE.
- CONTROLS CONTRACTOR IS RESPONSIBLE FOR ALL CONTROL WIRING AND CONNECTIONS TO MECHANICAL EQUIPMENT.
- MECHANICAL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL EXTERNAL DISCONNECTS THAT ARE REQUIRED FOR EQUIPMENT PROVIDED UNDER THIS CONTRACT. MECHANICAL CONTRACTOR SHALL FURNISH ALL REQUIRED FUSES FOR ALL FUSED DISCONNECT SWITCHES. COORDINATE DISCONNECT AND FUSE INSTALLATION WITH ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING DISCONNECT SWITCHES AND FUSES. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL LINE SIDE WIRING AND CONDUIT TO EXTERNALLY OR INTERNALLY MOUNTED DISCONNECTS AND SHALL PROVIDE AND INSTALL LOAD SIDE WIRING AND CONDUIT FROM EXTERNALLY MOUNTED DISCONNECT SWITCHES TO MECHANICAL EQUIPMENT. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL ELECTRICAL CONNECTIONS TO EQUIPMENT PROVIDED BY THE MECHANICAL CONTRACTOR. SEE "MECHANICAL EQUIPMENT ELECTRICAL CONNECTION DETAIL".
- DISCONNECT SWITCHES INDICATED TO BE PROVIDED BY MECHANICAL CONTRACTOR SHALL BE HEAVY DUTY NEMA-1 FOR INTERIOR INSTALLATIONS AND HEAVY DUTY NEMA-3R FOR EXTERIOR INSTALLATIONS. SEE ALSO DIVISION 16 SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- ALL EXPOSED GAS PIPE AS SHOWN (INTERIOR OR EXTERIOR) SHALL BE SCHEDULE 40 BLACK STEEL PAINTED OSHA YELLOW OR YELLOW FLEXIBLE STAINLESS STEEL. ALL GAS PIPING SHALL BE LABELED WITH THE TYPE OF GAS AND SUPPLY PRESSURE. GAS PIPING CONCEALED IN WALL CAVITY SHALL NOT BE REQUIRED TO BE PAINTED YELLOW. CONTRACTOR SHALL INSTALL GAS PIPE PER INSTALLATION STANDARD MSS SP-58. M.C. SHALL PROVIDE MAPA PRODUCTS PIPE SUPPORTS WITH E-6000 ADHESIVE OR APPROVED EQUALS.
- MINIMUM GAS PIPING SIZE SHALL BE 3/4" FOR ALL BRANCH LINES. CONTRACTOR SHALL REDUCE TO SMALLER SIZES AT GAS FIRED EQUIPMENT, AS REQUIRED, FOR CONNECTION TO EQUIPMENT.
- GAS PIPE SIZES INDICATED ON PLANS ARE MINIMUM ALLOWABLE SIZES. CONTRACTOR MAY USE LARGER SIZES THAN INDICATED.
- MECHANICAL CONTRACTOR MAY USE ROUND DUCT OF EQUIV. AREA IN LIEU OF RECTANGULAR. COORD. ROUND DUCT SIZES W/ ENGINEER. USE INSULATED DOUBLE WALLED SPIRAL DUCT WITH PAINT GRIP FINISH WHERE DUCT IS TO BE EXPOSED.
- MECHANICAL CONTRACTOR SHALL PROVIDE ENOR. WITH AN AIR BALANCE REPORT INDICATING INITIAL AND FINAL READINGS AT EACH DIFFUSER AND TOTAL CFM PER UNIT. INCLUDE IN DOCUMENTS PROVIDED TO OWNER AT JOB CLOSEOUT.
- MECHANICAL CONTRACTOR SHALL LABEL ALL EQUIPMENT WITH ENGRAVED PLASTIC LAMINATE, SCREWED TO PIECE OF EQUIPMENT.
- CONVENTIONAL FURNACES SHALL HAVE TYPE B VENTS, CONDENSING TYPE SHALL HAVE PVC VENTS.
- MECHANICAL CONTRACTOR SHALL PROVIDE AND INSTALL CO SENSOR FOR ALL GAS FIRED EQUIPMENT IF A FIRE ALARM SYSTEM IS NOT INCLUDED ON THE PROJECT. COORDINATE WITH EC.
- M.C. SHALL COORDINATE ALL EXTERIOR MECHANICAL EQUIPMENT LOCATIONS WITH G.C. PRIOR TO INSTALLATION AND SHALL PROVIDE 3'-0" MIN. SERVICE CLEARANCE OR MANUFACTURER'S RECOMMENDATIONS, WHICHEVER IS GREATER, BETWEEN ALL MECHANICAL EQUIPMENT AND ALL OBSTRUCTIONS. IF THERE ARE MECHANICAL ENCLOSURES OR FENCING, M.C. SHALL COORDINATE THE SIZES AND CLEARANCES IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION MANUAL AND PROVIDE 3'-0" MIN. CLEARANCE OR MANUFACTURER'S RECOMMENDED CLEARANCES, WHICHEVER IS GREATER. M.C. SHALL VERIFY AND COORDINATE THAT FENCING BEING PROVIDED BY G.C. IS APPROVED FOR OPERATION WITH THE MECHANICAL EQUIPMENT MANUFACTURER. FENCING AND CLEARANCE DIMENSIONS SHOWN ON THESE PLANS ARE DIAGRAMMATIC ONLY. IF CHANGES TO FENCE SIZES AND UNIT CLEARANCES ARE NEEDED, THE M.C. SHALL BE RESPONSIBLE FOR NOTIFYING THE G.C. AND THE ENGINEER/ARCHITECT.
- UNIT CONTROLLER OR PROGRAMMABLE THERMOSTAT SHALL HAVE 7 DAY PROGRAMING, TIMED OVER-RIDE AND THE ABILITY TO RUN FANS IN OCCUP. MODE & CYCLE FANS IN UN-OCCUP. MODE.
- THE M.C. & C.C. SHALL PROTECT EQUIPMENT DURING CONSTRUCTION & BRAZING AS REQ'D. CLEAN ALL EQUIP. SURFACES OF GREASE, DIRT, DUST, & OTHER FOREIGN MATERIALS PRIOR TO PROJECT CLOSEOUT.
- MECHANICAL CONTRACTOR SHALL CHANGE UNIT FILTERS AFTER EACH TWO WEEKS OF RUN TIME, AND SHALL LEAVE ONE CHANGE OF FILTERS FOR OWNER TO USE FOR NEXT FILTER CHANGE.
- MECHANICAL CONTRACTOR SHALL NOT ALLOW DUCTWORK TO CONTACT LAY-IN LIGHT FIXTURES. ROUTE ACCORDINGLY.
- MECHANICAL CONTRACTOR SHALL INSTALL DUCT MOUNTED SMOKE DETECTORS WHERE INDICATED ON PLANS. IF AN EXISTING FIRE ALARM SYSTEM IS PRESENT, DUCT DETECTORS SHALL BE CONNECTED TO EXISTING FIRE ALARM SYSTEM. MECHANICAL CONTRACTOR SHALL COORDINATE CONNECTION TO FIRE ALARM SYSTEM WITH ELECTRICAL CONTRACTOR AND/OR FIRE ALARM CONTRACTOR. IF A FIRE ALARM SYSTEM IS NOT PRESENT, PROVIDE DETECTOR & ASSOCIATED HORN/STROBE ALARM (HONEYWELL RTS2-AOS MULTI-SIGNALING) AS REQUIRED BY N.C. MECHANICAL CODE SECTION 606.4.1. M.C. IS RESPONSIBLE FOR DUCT ACCESS DOORS UNDER ALL CIRCUMSTANCES.
- PROVIDE HEAT PUMP WITH CONTROLS TO PREVENT HEAT STRIP FROM OPERATING WHEN OUTSIDE AIR TEMP. IS ABOVE 40°F. HEAT STRIP LOCKOUT SHALL NOT PREVENT HEAT STRIP OPERATION DURING DEFROST. (403.2.4.1.1 NCEC)
- ALL SUMP PUMPS INDICATED ON THESE PLANS SHALL BE OIL MINDING SUMP PUMPS, UNLESS INDICATED OTHERWISE.

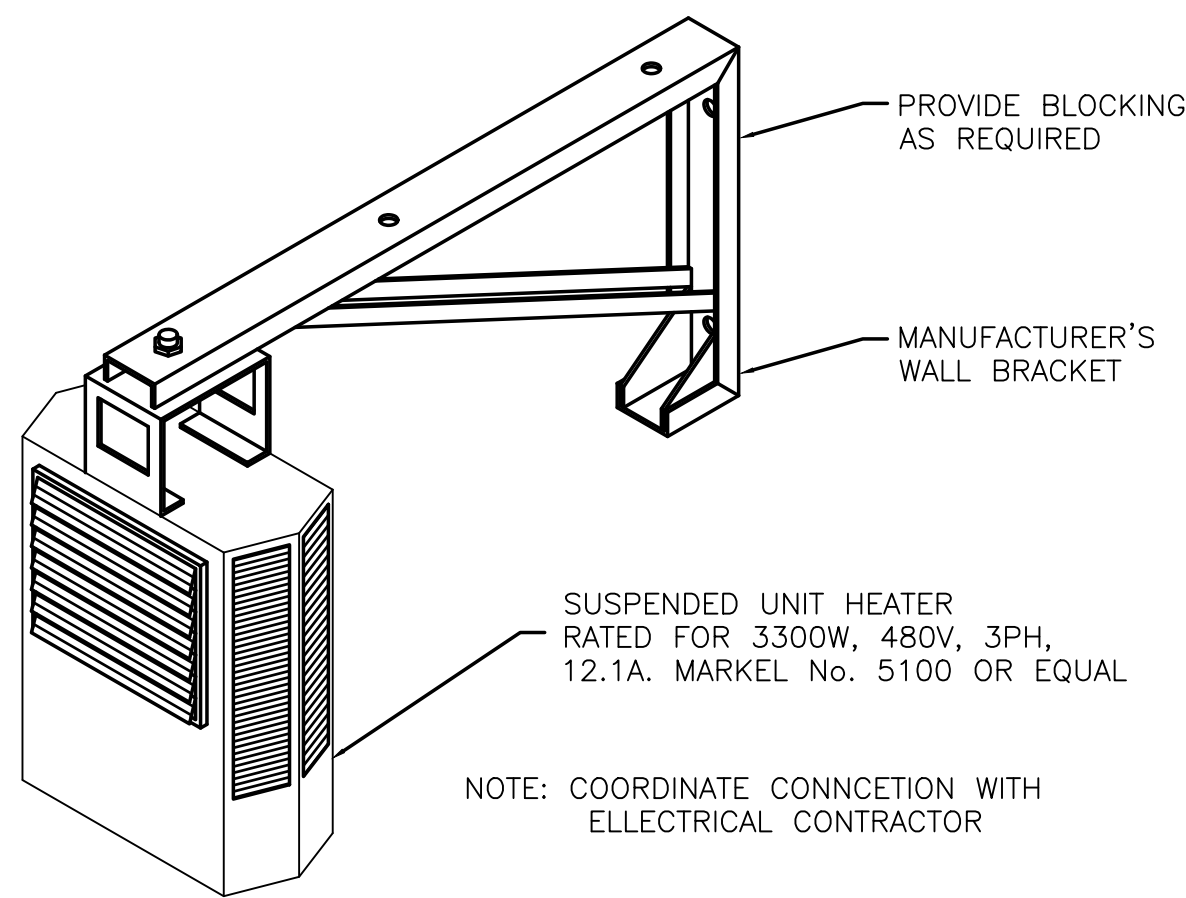
HVAC SYMBOL LEGEND



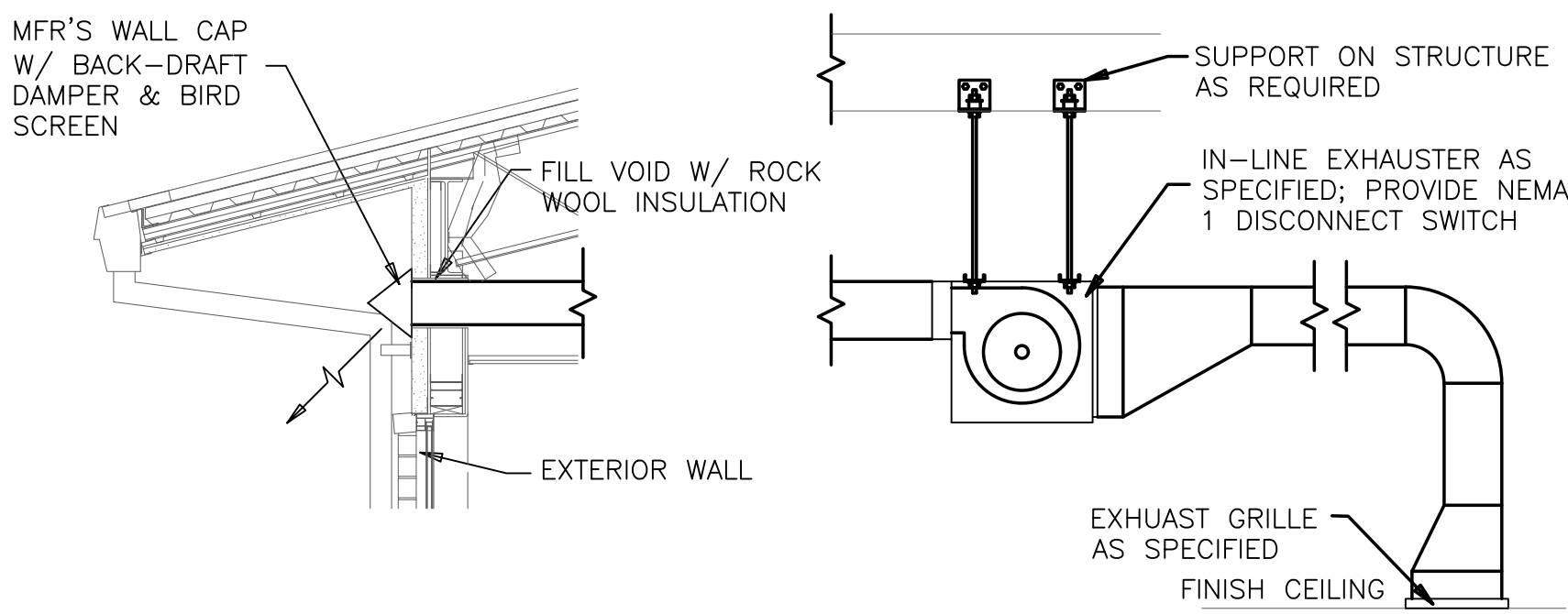
001.1 ROUND DUCT CONSTRUCTION
SCALE: N.T.S.



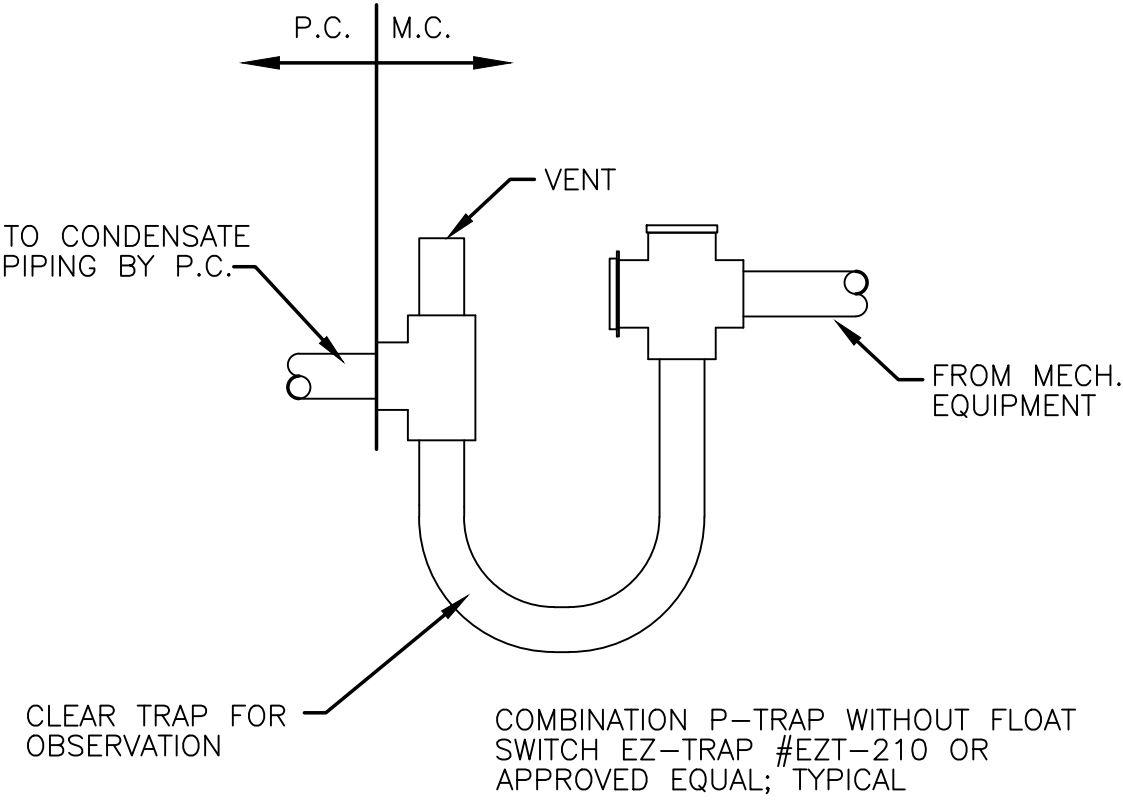
001.3 RECT. DUCT CONSTRUCTION
SCALE: N.T.S.



001.5 UNIT HEATER INSTALLATION DETAIL
SCALE: N.T.S.



001.7 EXHAUST FAN INSTALLATION DETAIL
SCALE: N.T.S.



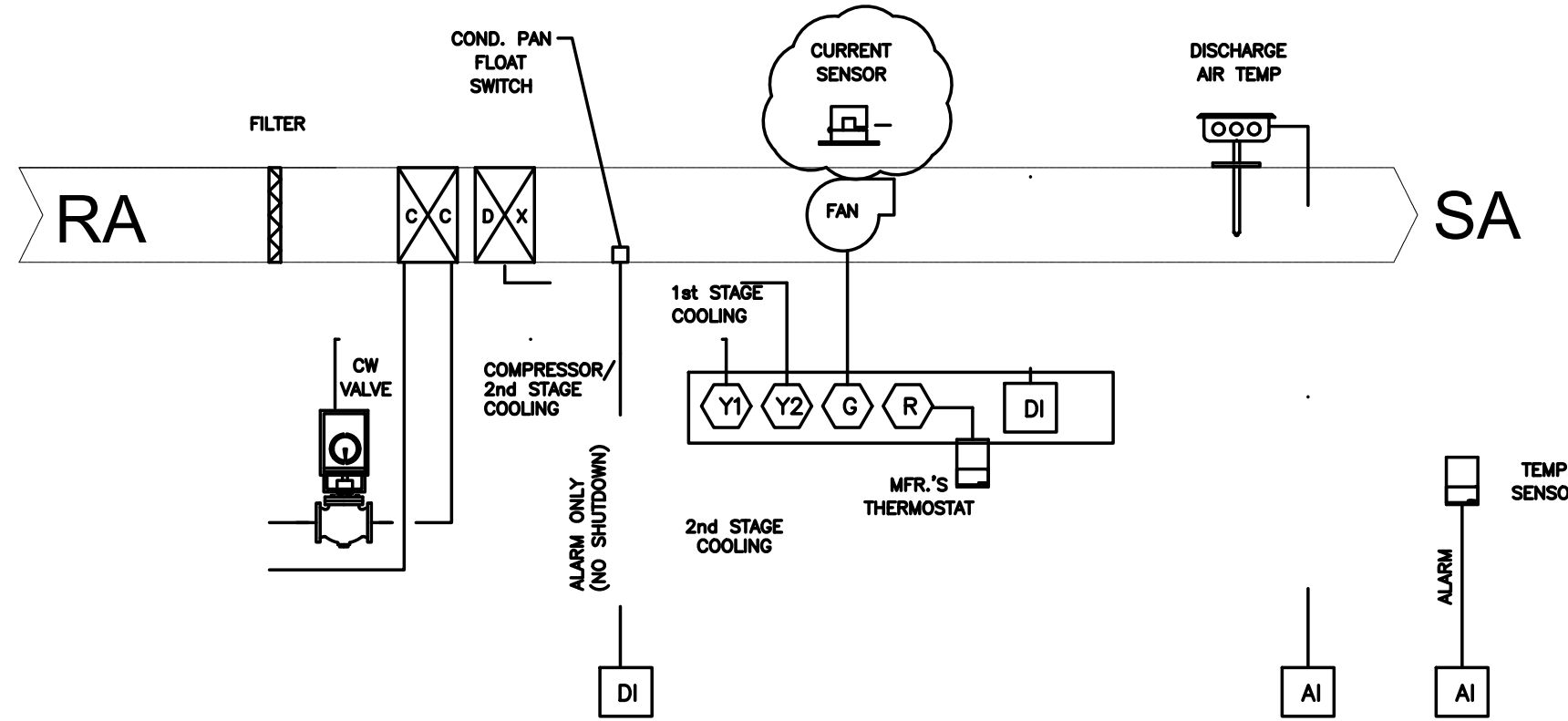
001.8 CONDENSATE TRAP DETAIL
SCALE: N.T.S.

MDF UNIT CONTROL SEQUENCE:

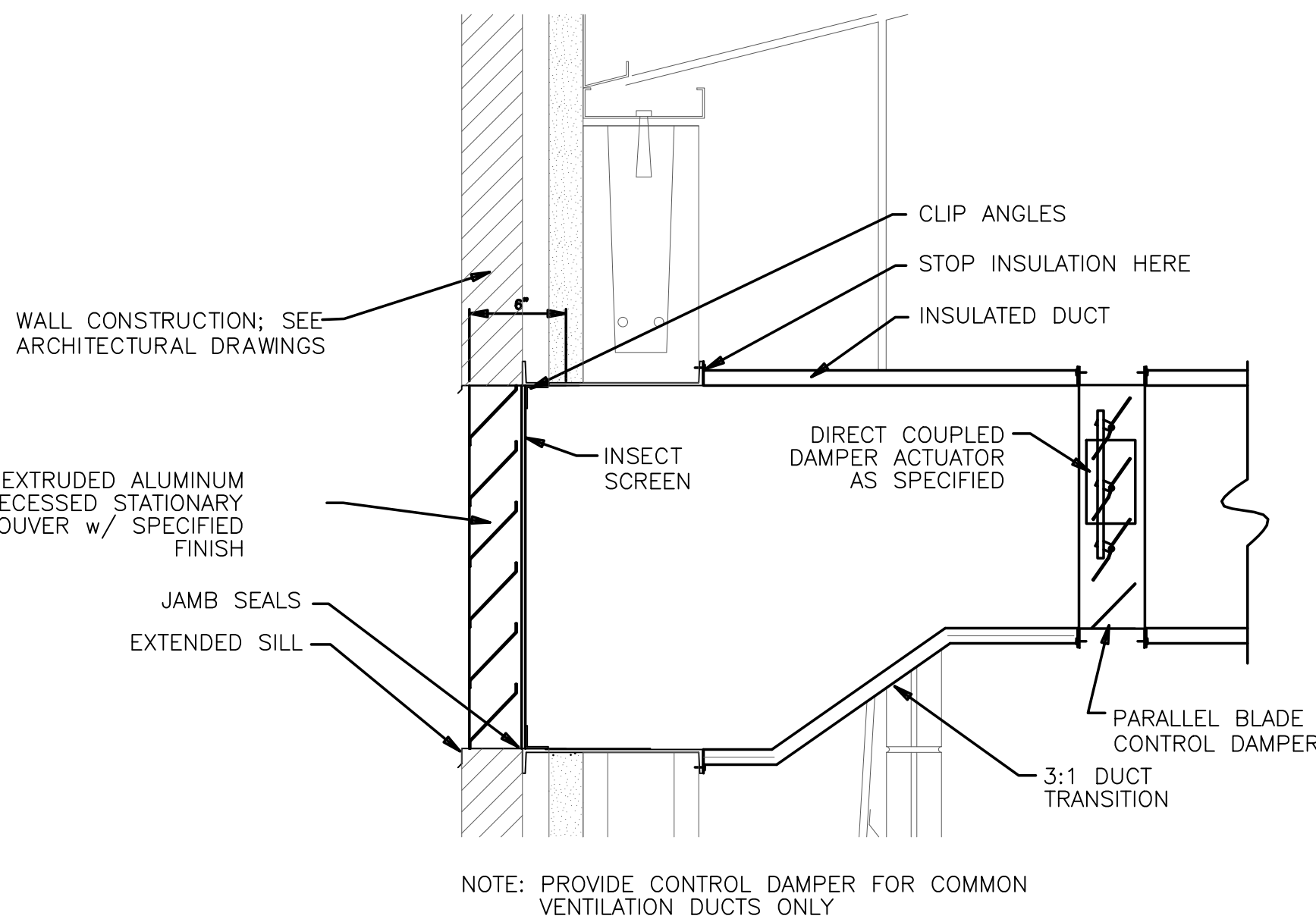
START/STOP: Unit shall run to maintain min. 66°F (adj) year-round temperature.

TEMPERATURE CONTROL: MDF unit is provided with manufacturer's thermostat which controls the two position cooling valve to maintain space temperature for scheduled hours and night setback setpoint after scheduled hours. A second stage DX coil is indexed on by the manufacturer's thermostat when the space setpoint cannot be achieved by the first stage cooling coil. Provide temperature monitoring devices as shown.

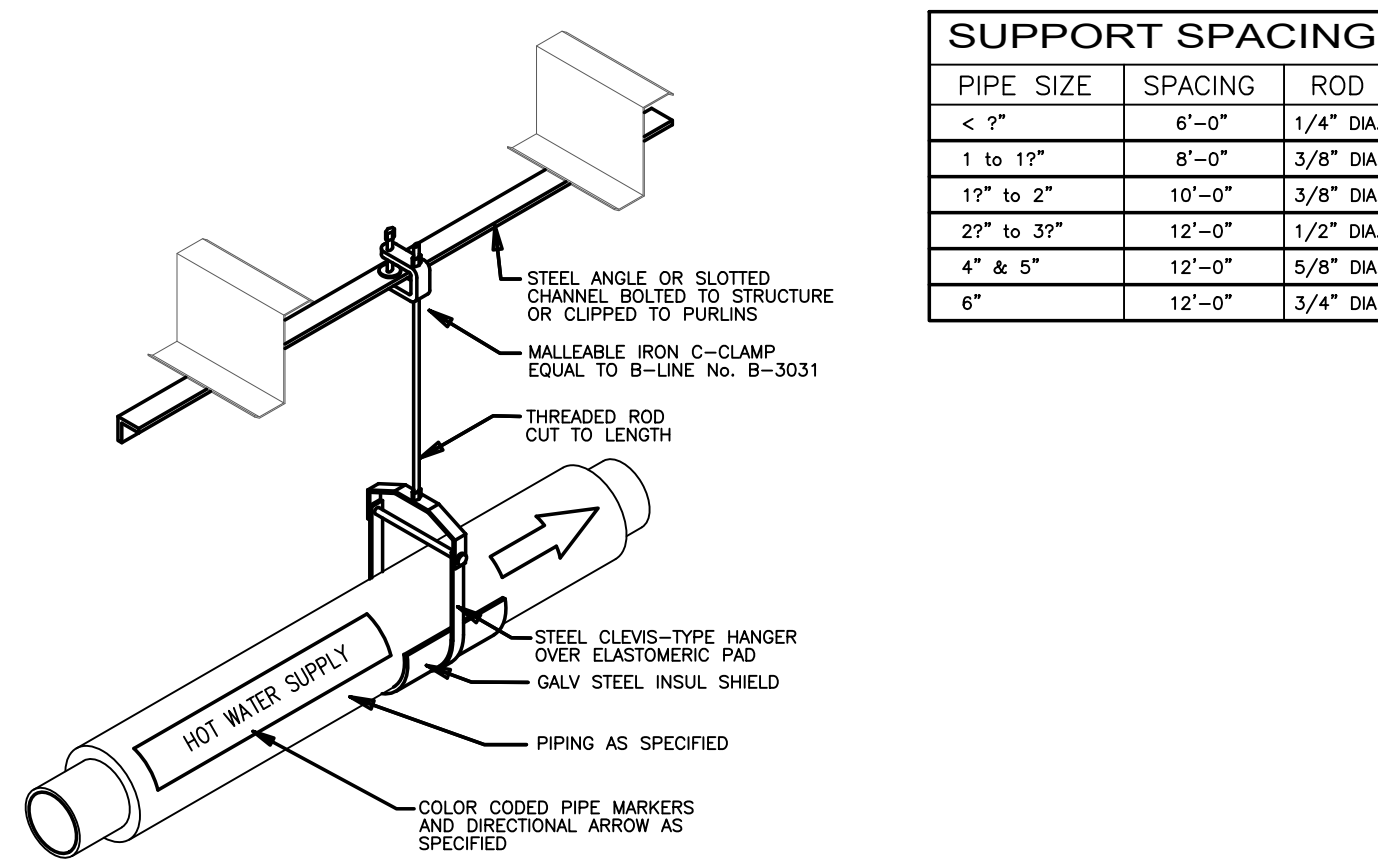
SAFETIES: A condensate pan float switch will activate an alarm upon being activated; however the unit shall continue to operate.



001.2 MDF/IDF UNIT CONTROL DIAGRAM
SCALE: N.T.S.



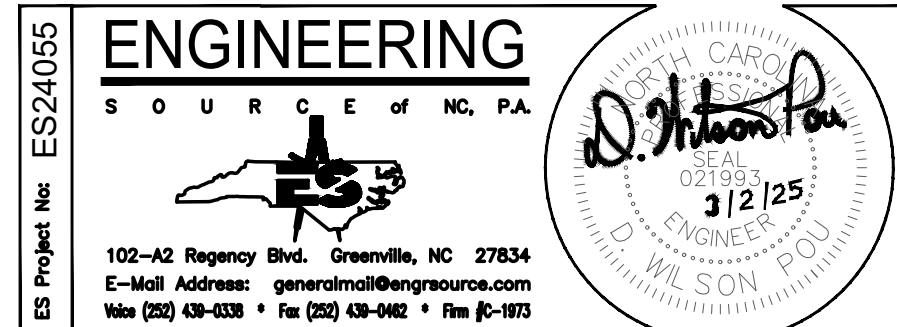
001.4 OUTSIDE AIR LOUVER DETAIL
SCALE: N.T.S.



001.6 HTDRONIC PIPE HANGAR DETAIL
SCALE: N.T.S.

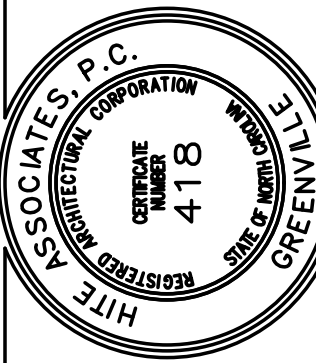
HVAC DRAWING INDEX

- | | |
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| M-001 | MECHANICAL NOTES, LEGEND, & DETAILS |
| M-002 | MECHANICAL SCHEDULES & DETAILS |
| M-003 | HYDRONIC HEATING SYSTEM FLOW & CONTROL DIAGRAM |
| M-004 | CHILLED WATER SYSTEM FLOW & CONTROL DIAGRAM |
| M-101 | MECHANICAL PLAN |
| M-102 | MECHANICAL PLATFORM PLAN |
| M-103 | MECHANICAL PLATFORM PIPING PLAN & BOILER ROOM PLAN |



No.	Date	Revision

Hite associates
ARCHITECTURE / PLANNING / TECHNOLOGY
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NEW CTE BUILDING FOR
Bertie High School
716 US 13 North / NCDPS Unit 080 - School 312
Windsor/ Bertie County / North Carolina

Project No. 22351

Date: March 2025

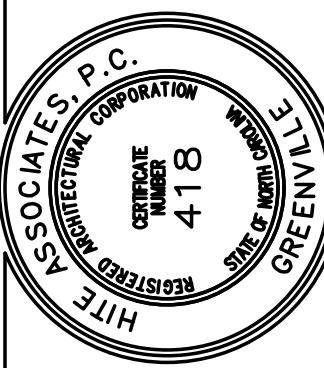
Drawing No.

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- 1) THIS DETAIL IS DIAGRAMATIC ONLY; SEE PLANS AND DETAILS FOR ACTUAL PIPING AND DEVICES
- 2) REFERENCE SPECIFICATION SECTION 15966 FOR PUMP STAGING CONTROLLER

004.2 CHILLED WATER PLANT CONTROL SEQUENCE



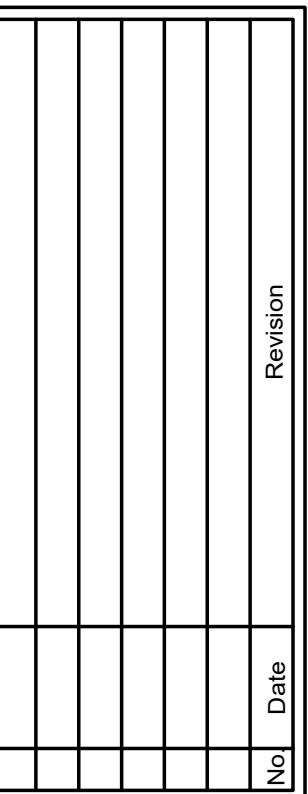
NEW CTE BUILDING FOR Bertie High School

Project No. 22351

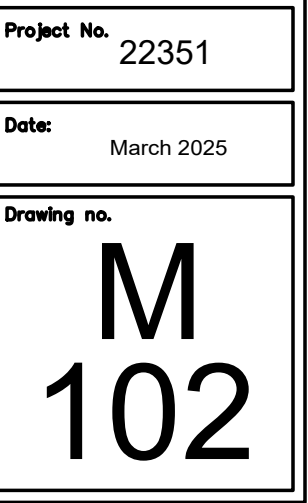
Date: March 2025

Drawing no.

M
101



NEW CTE BUILDING FOR
Bertie High School
7716 US 13 North / NCDPS Unit 080 - School 312
Windsor / Bertie County / North Carolina



MANUAL AIR VENTS

WATER COIL AS SPECIFIED

AIRFLOW

3-WAY CONTROL VALVE (END OF LINE ONLY)

Y-STRAINER

BALL OR GATE UNIT ISOLATION VALVE (TYP FOR 2)

NOTE: ISOLATION VALVES SHALL BE STANDARD BALL OR GATE VALVES ONLY. COMBINATION VALVES ARE NOT ACCEPTABLE.

CWS

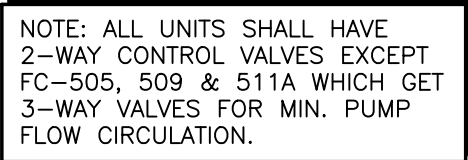
CWR

NOTE: Y-STRAINER SHALL HAVE HOSE BIB WITH CHAINED HOSE CAP.

MIN.

1" CONDENSATE DRAIN ON ALL CHILLED WATER COILS

102.3 3-WAY VALVE COIL PIPING DETAIL



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



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

SYSTEM			AIR DATA		COOLING DATA									HEATING DATA									MOTOR DATA				EQUIPMENT DATA				
TAG	ZONE		CFM	OA	TCL	SC	EATdb	LatDb	ΔTdb	GPM	LWT	CONN	PD	CFM	HEAT	EAT	LAT	LWT	GPM	CONN	PD	ESP	HP	MCA	MOCp	ELECT	DESCRIPTION	MFR./MODEL NO.	ROWS	NOTES	WEIGHT
DFC-500A	CONNECTOR		430	0	12	8.9	74.0	55.0	19.0	2	54.0	1"		430	15.9	71.0	105.0	128.8	1.5	1"	10	1.25	0.1	1	15	208/10	DUCTLESS FAN COIL	MULTI-AQUA-MHMCFC-4.1	2/1		
DFC-500S	CONNECTOR		430	0	12	8.9	74.0	55.0	19.0	2	54.0	1"		430	15.9	71.0	105.0	128.8	1.5	1"	10	1.25	0.1	1	15	208/10	DUCTLESS FAN COIL	MULTI-AQUA-MHMCFC-4.1	2/1		
FC-505	COSMOTOLOGY		2000	400	60	50.3	78.2	55.0	23.2	9	55.3	1-1/4"		1400	67.7	60.4	105.0	122.9	5	1"	10	1.25	1	8.63	15	277/10	VERTICAL BLOWER COIL	ENVIRO-TEC/VD020	6/2		
FC-509	COSMOTOLOGY		2000	400	60	50.3	78.2	55.0	23.2	9	55.3	1-1/4"		1400	67.7	60.4	105.0	122.9	5	1"	10	1.25	1	8.63	15	277/10	VERTICAL BLOWER COIL	ENVIRO-TEC/VD020	6/2		
FC-511A	AUTOMOTIVE LAB		2000	400	60	50.3	78.2	55.0	23.2	9	55.3	1-1/4"		1400	67.7	60.4	105.0	122.9	5	1"	10	1.25	1	8.63	15	277/10	VERTICAL BLOWER COIL	ENVIRO-TEC/VD020	6/2		
FC-511B	AUTOMOTIVE LAB		2000	400	60	50.3	78.2	55.0	23.2	9	55.3	1-1/4"		1400	67.7	60.4	105.0	122.9	5	1"	10	1.25	1	8.63	15	277/10	VERTICAL BLOWER COIL	ENVIRO-TEC/VD020	6/2		
FC-512	AUTOMOTIVE CLASS		1600	325	48	40.4	78.3	55.0	23.3	7	55.7	1-1/4"		1200	58.3	60.2	105.0	120.9	4	1"	10	1.25	1	8.63	15	277/10	VERTICAL BLOWER COIL	ENVIRO-TEC/VD016	6/2		
FC-514A	WELDING LAB		1600	350	48	41.0	78.6	55.0	23.6	7	55.7	1-1/4"		1200	59.4	59.4	105.0	120.3	4	1"	10	1.25	1	8.63	15	277/10	VERTICAL BLOWER COIL	ENVIRO-TEC/VD016	6/2		
FC-514B	WELDING LAB		1600	350	48	41.0	78.6	55.0	23.6	7	55.7	1-1/4"		1200	59.4	59.4	105.0	120.3	4	1"	10	1.25	1	8.63	15	277/10	VERTICAL BLOWER COIL	ENVIRO-TEC/VD016	6/2		
FC-515	WELDING CLASS		1600	325	48	40.4	78.3	55.0	23.3	7	55.7	1-1/4"		1200	58.3	60.2	105.0	120.9	4	1"	10	1.25	1	8.63	15	277/10	VERTICAL BLOWER COIL	ENVIRO-TEC/VD016	6/2		
FC-522A	CARPENTRY LAB		1600	350	48	41.0	78.6	55.0	23.6	7	55.7	1-1/4"		1200	59.4	59.4	105.0	120.3	4	1"	10	1.25	1	8.63	15	277/10	VERTICAL BLOWER COIL	ENVIRO-TEC/VD016	6/2		
FC-522B	CARPENTRY LAB		1600	350	48	41.0	78.6	55.0	23.6	7	55.7	1-1/4"		1200	59.4	59.4	105.0	120.3	4	1"	10	1.25	1	8.63	15	277/10	VERTICAL BLOWER COIL	ENVIRO-TEC/VD016	6/2		
FC-523	CARPENTRY CLASS		1600	325	48	40.4	78.3	55.0	23.3	7	55.7	1-1/4"		1200	58.3	60.2	105.0	120.9	4	1"	10	1.25	1	8.63	15	277/10	VERTICAL BLOWER COIL	ENVIRO-TEC/VD016	6/2		
FC-526A	AG LAB		1600	350	48	41.0	78.6	55.0	23.6	7	55.7	1-1/4"		1200	59.4	59.4	105.0	120.3	4	1"	10	1.25	1	8.63	15	277/10	VERTICAL BLOWER COIL	ENVIRO-TEC/VD016	6/2		
FC-526B	AG LAB		1600	350	48	41.0	78.6	55.0	23.6	7	55.7	1-1/4"		1200	59.4	59.4	105.0	120.3	4	1"	10	1.25	1	8.63	15	277/10	VERTICAL BLOWER COIL	ENVIRO-TEC/VD016	6/2		
FC-527	AG CLASS		1600	320	48	40.3	78.2	55.0	23.2	7	55.7	1-1/4"		1200	58.1	60.4	105.0	121.0	4	1"	10	1.25	1	8.63	15	277/10	VERTICAL BLOWER COIL	ENVIRO-TEC/VD016	6/2		
FC-529	HVAC LAB/CLASS		3200	725	96	82.5	78.8	55.0	23.8	14	55.7	1-1/2"		2300	114.8	59.0	105.0	121.3	8	1-1/4"	10	1.25	2	3.4	15	480/30	VERTICAL BLOWER COIL	ENVIRO-TEC/VD030	6/2		