HVAC ABBREVIATIONS LEGEND

A		
ABS	ABSOLUTE	
ABV	ABOVE	
ACH	AIR CHANGES PER HOUR	
AD	ACCESS DOOR	
ADJ	ADJUSTABLE	
AFF	ABOVE FINISHED FLOOR	
AFG	ABOVE FINISHED GRADE	
AHU	AIR HANDLING UNIT	
ALT	ALTITUDE	
AMB	AMBIENT	
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	
AP	ACCESS PANEL	
APD	AIR PRESSURE DROP	
APPROX	APPROXIMATE	
ARF	ABOVE RAISED FLOOR	
ASJ	ALL SERVICE JACKET	
ATC	AUTOMATIC TEMPERATURE CONTROL	
ATM	ATMOSPHERE	
AW	ACID WASTE	
AWS	ACID WASTE STACK	
AVS	ACID VENT STACK	
B		
B	BOILER	
BB	BASEBOARD HEATERS	
BDD	BACKDRAFT DAMPER	
B/F	BELOW FLOOR	
BHP	BRAKE HORSEPOWER	
BMS	BUILDING MANAGEMENT SYSTEM	
BOD	BOTTOM OF DUCT	
BOF	BOTTOM OF FAN	
BOL	BOTTOM OF LOUVER	
BOP	BOTTOM OF PIPE	
BOS	BOTTOM OF STEEL	
BTUH	BRITISH THERMAL UNIT PER HOUR	
C		
C	CELSIUS	
CD	CONDENSATE DRAIN LINE	
CFH	CUBIC FEET PER HOUR	
CFM	CUBIC FEET PER MINUTE	
CH	CHILLER	
CHP	CHILLED WATER PUMP	
CWS	CHILLED WATER SUPPLY	
CWR	CHILLED WATER RETURN	
CL	CENTER LINE	
CLG	CEILING	
CM	CENTIMETERS	
CMU	CONCRETE MASONRY UNIT	
CO	CLEANOUT	
COL	COLUMN	
CONN	CONNECT	
CONT	CONTINUED	
CP	CONTROL PANEL	
CU FT	CUBIC FEET	
CRU	COMPUTER ROOM UNIT	
CT	COOLING TOWER	
CUH	CABINET UNIT HEATER	
CV	CONSTANT VOLUME	
CWP	CONDENSER WATER PUMP	
CDWR	CONDENSER WATER RETURN	
CDWS	CONDENSER WATER SUPPLY	
D		
DDC	DUCTLESS SPLIT INDOOR UNIT	
DB	DRY BULB	
dB	DECIBLES	
DCU	DUCTLESS SPLIT OUTDOOR UNIT	
DDC	DIRECT DIGITAL CONTROL	
DEG	DEGREES	
DIA	DIAMETER	
DN	DOWN	
DWG	DRAWING	
DX	DIRECT EXPANSION	
E		
(E)	EXISTING MATERIAL OR EQUIPMENT	
EA	EACH / EXHAUST AIR	
EAT	ENTERING AIR TEMPERATURE	
ECU	EVAPORATIVE COOLING UNIT	
EDH	ELECTRIC DUCT HEATER	
EER	ENERGY EFFICIENCY RATIO	
EF	EXHAUST FAN	
EL	ELEVATION	
ELEC	ELECTRICAL / ELECTRIC	
EQ	EQUIVALENT	
ERV	ENERGY RECOVERY VENTILATOR	
ESP	EXTERNAL STATIC PRESSURE	
ET	EXPANSION TANK	
EUH	ELECTRIC UNIT HEATER	
EWC	ELECTRIC WATER COOLER	
EWH	ELECTRIC WALL HEATER	
EWS	EMERGENCY EYEWASH/SHOWER	
EWT	ENTERING WATER TEMPERATURE	
EXH	EXHAUST AIR	
EXP	EXPANSION	
F		
F	FAHRENHEIT	
FA	FIRE ALARM	
FC	FLEXIBLE CONNECTOIN	
FCO	FLOOR CLEANOUT	
FCU	FAN COIL UNIT	
FD	FIRE DAMPER/FLOOR DRAIN	
FL	FLOOR	
FLA	FULL LOAD AMPERES	
FLD	FLOOR DRAIN	
FOB	FLAT ON BOTTOM	
FPB	FAN POWERED VARIABLE AIR VOLUME BOX	
FPM	FEET PER MINUTE	
FPS	FEET PER SECOND	
FS	FLOOR SINK	
FSD	FIRE/SMOKE DAMPER	
FSK	FOIL SCRIM KRAFT	
FT	FEET OR FOOT	
FTG	FOOTING	
G		
GA	GAGE OR GAUGE	
GAL	GALLON	
GALV	GALVANIZED	
GBD	GRAVITY BACKDRAFT DAMPER	
GDH	GAS DUCT HEATER	
GPD	GALLONS PER DAY	
GPH	GALLONS PER HOUR	
GPM	GALLONS PER MINUTE	
GPU	GALLONS PER USE	
GUH	GAS UNIT HEATER	
GW	GREASE WASTE	
H		
HB	HOSE BIB	
HOA	HAND-OFF-AUTOMATIC SWITCH	
HP	HORSEPOWER	
HPU	HEAT PUMP UNIT	
HR	HOUR	
HWP	HOT WATER PUMP	
HWS	HOT WATER SUPPLY	
HWR	HOT WATER RETURN	
HX	HEAT EXCHANGER	
I		
ID	INSIDE DIAMETER	
I.E.	INVERT ELEVATION	
IN.	INCHES	
WG.	WATER GAUGE	
INV	INVERT	
J		
K		
KG	KILOGRAMS	
KPA	KILO PASCAL	
KW	KILOWATTS	
L		
L	LOUVER	
LAT	LEAVING AIR TEMPERATURE	
LBS	POUNDS	
LBS/HR	POUNDS PER HOUR	
LD	LINEAR DIFFUSER	
LG	LENGTH	
LIQ	LIQUID	
L/S	LITERS PER SECOND	
LWT	LEAVING WATER TEMPERATURE	
M		
MAU	MAKE-UP AIR UNIT	
MAX	MAXIMUM	
MBH	BTU PER HOUR (THOUSAND)	
MC	MECHANICAL CONTRACTOR	
MCA	MINIMUM CIRCUIT AMPS	
MCC	MOTOR CONTROL CENTER	
MD	MOTORIZED DAMPER	
MECH	MECHANICAL	
MEZZ	MEZZANINE	
MIN	MINIMUM	
MISC	MISCELLANEOUS	
M	METERS	
MM	MILLIMETERS	
MOCP	MAXIMUM OVER-CURRENT PROTECTION	
MOCP	MAXIMUM OVER-CURRENT PROTECTION	
MTD	MOUNTED	
MUW	MAKE-UP WATER	
N		
NC	NOISE CRITERIA	
N.C.	NORMALLY CLOSED	
NEG	NEGATIVE	
NIC	NOT IN CONTRACT	
NO.	NUMBER	
N.O.	NORMALLY OPEN	
NOM	NOMINAL	
NTS	NOT TO SCALE	
O		
OA	OUTSIDE AIR	
OAI	OUTSIDE AIR INTAKE	
OAT	OUTSIDE AIR TEMPERATURE	
OAU	OUTSIDE AIR UNIT	
OBD	OPPOSED BLADE DAMPER	
OC	ON CENTER	
OD	OUTSIDE DIAMETER	
OW	OILY WASTE	
OZ	OUNCE	
P		
P	PUMP	
PA	PASCAL	
PD	PRESSURE DROP (FEET OF WATER)	
PDI	PLUMBING DRAINAGE INSTITUTE	
PH	PHASE	
POC	POINT OF CONNECTION	
POS	POSITIVE	
PR	PRIMARY	
PRESS	PRESSURE	
PSI	POUNDS PER SQUARE INCH	
PSIG	PSI GAGE	
PTAC	PACKAGED TERMINAL AIR CONDITIONER POLYVINYL CHLORIDE	
PVC		
Q		
QTY	QUANTITY	
R		
RA	RETURN AIR	
RAD	REFRIGERATED AIR DRYER	
RD	ROOF DRAIN	
REF	REFERENCE	
REL A	RELIEF AIR	
RH	RELATIVE HUMIDITY	
RHC	REHEAT COIL	
RI	ROOF INTAKE	
RL	REFRIGERANT LIQUID/RAIN LEADER	
RO	ROOF OPENING	
RPM	REVOLUTIONS PER MINUTE	
RS	REFRIGERANT SUCTION	
S		
SA	SUPPLY AIR	
SCH	SCHEDULE	
SD	SMOKE DETECTOR	
SH	SHOWER	
SKD	SMOKE DAMPER	
SEER	SEASONAL ENERGY EFFICIENCY RATIO	
SENS	SENSIBLE	
SF	SQUARE FEET	
SF	SUPPLY FAN	
SP	STATIC PRESSURE (INCHES OF WATER)	
SPEC	SPECIFICATION	
SOV	SHUT-OFF VALVE	
SRD	SECONDARY ROOF DRAIN	
SS	STAINLESS STEEL/SOIL STACK	
ST	STORM DRAIN	
STL	STEEL	
T		
TBD	TO BE DETERMINED	
TEMP	TEMPERATURE	
TOD	TOP OF DUCT	
TOF	TOP OF FAN	
TOL	TOP OF LOUVER	
TOS	TOP OF STRUCTURE	
TOT	TOTAL	
TP	TOTAL PRESSURE / TRAP PRIMER	
TSP	TOTAL STATIC PRESSURE	
T-STAT	THERMOSTAT	
TUP	TILT-UP	
TYP	PANEL TYPICAL	
T&P	TEMPERATURE & PRESSURE	
U		
UON	UNLESS OTHERWISE NOTED	
U/F	UNDERFLOOR	
U/G	UNDERGROUND	
V		
V	VOLT / VENT	
VAV	VARIABLE AIR VOLUME	
VEL	VELOCITY	
VFD	VARIABLE FREQUENCY DRIVE	
VOL	VOLUME	
VTR	VENT THROUGH ROOF	
W		
W	WASTE	
WB	WET BULB	
WCO	WALL CLEANOUT	
WG	WATER GUAGE	
WH	WALL HYDRANT	
WHA	WATER HAMPER ARRESTOR	
WO	WALL OPENING	
WPD	WATER PRESSURE DROP	
WS	WASTE STACK	
WSHP	WATER SOURCE HEAT PUMP	
W/TP	WITH TRAP PRIMER	
W/W	WATTS WITH	
W/O	WITH OUT	
Z		
ZD	Z-DUCT	
ZN	ZONE	

DESIGN CONDITIONS

LOCATION *	LATITUDE	ELEVATION	WINTER		SUMMER			CLIMATE ZONE
			OUTDOOR (Fdb)	INDOOR	OUTDOOR (Fdb)	OUTDOOR (Fwb)	INDOOR	
COLUMBIA, SC	33.94 N	225 FT	22.0	72°F	97.0	75.4	75°F	3A

* NEAREST AVAILABLE WEATHER STATION DATA.

APPLICABLE BUILDING CODES

- 2009 INTERNATIONAL ENERGY CODE
- 2018 SC BUILDING CODE
- 2018 SC PLUMBING CODE
- 2018 SC MECHANICAL CODE
- 2018 SC FIRE CODE

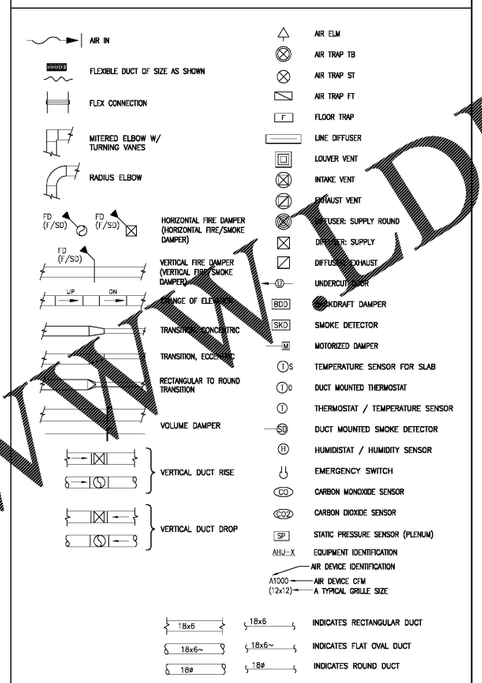
DESIGN ASSUMPTIONS

- ROOF INSULATION R-20 CONTINUOUS ABOVE DECK.
- MASS WALL R-7.6 CONTINUOUS INSULATION WITH NO BELOW GRADE WALLS.
- UNHEATED SLAB ON GRADE.
- FENESTRATION METAL FRAMING WITH THERMAL BREAK U-0.55 AND SHGC (PROJECTION FACTOR < 0.25) 0.25.
- CONTINUOUS AIR, WATER, AND THERMAL BARRIER EXISTS FOR THE BUILDING ENVELOPE.
- STEADY STATE CONDITIONS.
- ALL WALL, ROOF, AND ENVELOPE PENETRATIONS WILL BARRIER.
- ALL LOW PRESSURE DUCTS AT 2" WG OR LESS WILL BE INSTALLED ACCORDANCE WITH IMC AND IECC.

PROJECT SCOPE

PROVIDE AIR CONDITIONING TO CLASSROOMS USING AN WALL MOUNTED HEAT PUMP AIR CONDITIONER. PROVIDE HVAC TO COMMONS SPACES AND CORRIDORS USING A RTU AND ASSOCIATED AIR DISTRIBUTION SYSTEM.

HVAC SYMBOL LEGEND



SEISMIC DESIGN REQUIREMENTS

CATEGORY-D: SEISMIC DESIGN CATEGORY FOR THIS PROJECT IS CATEGORY D PER ASCE STANDARD, ASCE/SEI 7-05 AND ASCE/SEI 7-10, CHAPTER 13, THE COMPONENT IMPORTANCE FACTOR, Ip, SHALL BE TAKEN AS 1.5 IF ANY OF THE FOLLOWING CONDITIONS APPLY:

ALL MECHANICAL AND ELECTRICAL COMPONENTS (EQUIPMENT AND PIPING) SHALL BE DESIGNED, SUPPORTED AND INSTALLED PER ASCE STANDARD, ASCE/SEI 7-05 AND ASCE/SEI 7-10, CHAPTER 13. AS SUCH, THE MECHANICAL CONTRACTOR SHALL PROCURE THE SERVICES OF A PROFESSIONAL ENGINEER SPECIALIZING IN THE DESIGN OF VIBRATION AND SEISMIC CONTROL, REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED. THE MECHANICAL CONTRACTOR SHALL PROVIDE ENGINEERED SHOP DRAWINGS SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATE COMPLIANCE WITH BUILDING CODE REQUIREMENTS FOR SEISMIC CONTROL. SHOP DRAWINGS SHALL INCLUDE DESIGN CALCULATIONS, EQUIPMENT SUPPORTS, PIPING SUPPORTS, RISER SUPPORTS, VIBRATION ISOLATION, BASE DETAILS, SEISMIC RESTRAINT DETAILS, DETAILS FOR INTERLOCKING SNUBBERS. PROJECT WILL BE DESIGNED USING THE CURRENTLY ENFORCED BUILDING CODE.

EXCEPTION:

FOR MECHANICAL AND ELECTRICAL COMPONENTS IN SEISMIC CATEGORY D WITH AN IMPORTANCE FACTOR, Ip, OF 1.0, THE FOLLOWING NONSTRUCTURAL COMPONENTS ARE EXEMPT IF ALL OF THE FOLLOWING APPLY:

1. THE COMPONENT IS POSITIVELY ATTACHED TO THE STRUCTURE, AND
2. FLEXIBLE CONNECTIONS ARE PROVIDED BETWEEN THE COMPONENTS AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT AND EITHER:
3. THE COMPONENTS ARE MOUNTED AT 4 FT OR LESS ABOVE A FLOOR LEVEL AND WEIGH 400 LB OR LESS, OR
4. THE COMPONENTS WEIGH 20 LB OR LESS OR, FOR DISTRIBUTION SYSTEMS, WEIGH 5 LB/FT OR LESS.

MECHANICAL SHEET INDEX

M001	MECHANICAL LEGEND, NOTES AND SYMBOLS
M002	OA CALCS AND AIR BALANCE DIAGRAM
M101	MECHANICAL FIRST FLOOR PLAN
M201	MECHANICAL ROOF PLAN
M501	MECHANICAL DETAILS
M601	MECHANICAL SCHEDULES
M701	MECHANICAL CONTROLS

SYMBOLS LEGEND

- 1 — KEYNOTE INDICATOR
- A — DEMOLISHING NOTE INDICATOR
- +0'-0" FIN. FLR. — ELEVATION INDICATOR
- ROOM NAME / 000 — ROOM NAME/NUMBER INDICATOR
- 01 — COLUMN INDICATOR
- N — NORTH ARROW

MECHANICAL NOTES

1. PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
2. CONTRACT DOCUMENT DRAWINGS FOR MECHANICAL WORK(S) ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY.
3. INSTALL ALL MECHANICAL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS, CONTRACT DOCUMENTS AND APPLICABLE CODES AND REGULATIONS.
4. PROVIDE VIBRATION ISOLATION FOR ALL MECHANICAL EQUIPMENT TO PREVENT TRANSMISSION OF VIBRATION TO BUILDING STRUCTURE.
5. COORDINATE CONSTRUCTION OF ALL MECHANICAL WORK WITH ARCHITECTURAL, STRUCTURAL,CIVIL, ELECTRICAL WORK, ETC., SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS.
6. ALL TESTS SHALL BE COMPLETED BEFORE ANY MECHANICAL EQUIPMENT OR PIPING INSULATION IS APPLIED.
7. LOCATE THERMOMETERS, PRESSURE AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH STRAIGHT RUN OF PIPE OR DUCT UP AND DOWNSTREAM AS RECOMMENDED BY THE MANUFACTURER FOR GOOD ACCURACY.
8. TESTING, ADJUSTING AND BALANCING AGENCY SHALL BE A MEMBER OF THE ASSOCIATED AIR BALANCE COUNCIL (AABC) OR THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB). TESTING, ADJUSTING, AND BALANCING SHALL BE PERFORMED IN ACCORDANCE WITH THE AABC STANDARDS.
9. WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF EQUIPMENT ARE REQUIRED, THE PRODUCT OF ONE MANUFACTURER SHALL BE USED.
10. REINFORCEMENT, DETAILING, AND PLACEMENT OF CONCRETE SHALL CONFORM TO ASTM 315 AND ACI 318. CONCRETE SHALL CONFORM TO ASTM C94. CONCRETE WORK SHALL CONFORM TO ACI 318, PART ENTITLED "CONSTRUCTION REQUIREMENTS." COMPRESSIVE STRENGTH IN 28 DAYS SHALL BE 3,000 PSI. TOTAL AIR CONTENT OF EXTERIOR CONCRETE SHALL BE BETWEEN 5 AND 7 PER-CENT BY VOLUME. SLUMP SHALL BE BETWEEN 3 AND 4 INCHES. CONCRETE SHALL BE CURED FOR7 DAYS AFTER PLACEMENT.
11. COORDINATE ALL EQUIPMENT CONNECTIONS WITH MANUFACTURERS' CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL DUCT AND PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION.
12. ALL CONTROL WIRE AND CONDUIT SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE AND DIVISION 26 OF THE SPECIFICATION.
13. CONCRETE HOUSEKEEPING PADS TO SUIT MECHANICAL EQUIPMENT SHALL BE SIZED AND LOCATED BY THE MECHANICAL CONTRACTOR. MINIMUM CONCRETE PAD THICKNESS SHALL BE 6 INCHES. PAD SHALL EXTEND BEYOND THE EQUIPMENT A MINIMUM OF 6 INCHES ON EACH SIDE. CONCRETE HOUSEKEEPING PADS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO COORDINATE SIZE AND LOCATION OF CONCRETE HOUSEKEEPING PADS WITH GENERAL CONTRACTOR.
14. WHEN MECHANICAL WORK IS SUB-CONTRACTED, IT SHALL BE THE MECHANICAL CONTRACTORS RESPONSIBILITY TO COORDINATE SUBCONTRACTORS AND THE ASSOCIATED CONTRACTS. WHEN DISCREPANCIES ARISE PERTAINING TO WHICH CONTRACTOR PROVIDES A PARTICULAR ITEM OF THE MECHANICAL CONTRACT OR WHICH CONTRACTOR PROVIDES FINAL CONNECTIONS FOR A PARTICULAR ITEM OF THE MECHANICAL CONTRACT, IT SHALL BE BROUGHT TO THE ATTENTION OF THE MECHANICAL CONTRACTOR, WHOSE DECISION SHALL BE FINAL.
15. THE LOCATIONS OF ALL ITEMS SHOWN ON THE DRAWINGS OR CALLED FOR IN THE SPECIFICATIONS THAT ARE NOT IDENTIFIED BY DIMENSIONS ARE APPROXIMATE ONLY. THE EXACT LOCATIONS NECESSARY TO SECURE THE BEST CONDITIONS AND RESULTS MUST BE DETERMINED BY THE PROJECT SITE CONDITIONS AND SHALL HAVE THE APPROVAL OF THE ENGINEER BEFORE BEING INSTALLED. DO NOT SCALE DRAWINGS.
16. ALL MISCELLANEOUS STEEL REQUIRED TO ENSURE PROPER INSTALLATION AND AS SHOWN IN DETAILS FOR PIPING, DUCTWORK, AND EQUIPMENT (UNLESS OTHERWISE NOTED) SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
17. PROVIDE AND INSTALL ACCESS PANELS FOR INSTALLATION IN WALLS AND CEILINGS, WHERE REQUIRED, TO SERVICE DAMPERS, VALVES, SMOKE DETECTORS, AND OTHER CONCEALED MECHANICAL EQUIPMENT.
18. ALL EQUIPMENT, PIPING, DUCTWORK, ETC., SHALL BE SUPPORTED AS DETAILED, SPECIFIED,AND REQUIRED TO PROVIDE A VIBRATION FREE INSTALLATION.
19. ALL DUCTWORK, PIPING AND EQUIPMENT SUPPORTED FROM STRUCTURAL STEEL SHALL BE COORDINATED WITH GENERAL CONTRACTOR. ALL ATTACHMENTS TO STEEL BAR JOISTS, TRUSSES, OR JOIST GIRDERS SHALL BE AT PANEL POINTS. PROVIDE BEAM CLAMPS MEETING MSS STANDARDS. WELDING TO STRUCTURAL MEMBERS SHALL NOT BE PERMITTED. THE USE OF C-CLAMPS SHALL NOT BE PERMITTED.
20. MECHANICAL EQUIPMENT, DUCTWORK, AND PIPING SHALL NOT BE SUPPORTED FROM METAL DECK.
21. ALL ROOF MOUNTED EQUIPMENT CURBS FOR EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
22. LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS SHALL BE COORDINATED WITH ALL OTHER TRADES INVOLVED.
23. ALL OPENINGS IN FIRE WALLS DUE TO DUCTWORK, PIPING, CONDUIT, ETC., SHALL BE FIRE STOPPED WITH A PRODUCT SIMILAR TO 3M OR APPROVED EQUAL.
24. ALL AIR CONDITIONING CONDENSATE DRAIN LINES FROM EACH AIR HANDLING UNIT AND ROOFTOP UNIT SHALL BE PIPED FULL SIZE OF THE UNIT DRAIN OUTLET (OR AS SHOWN ON PLANS), WITH "P" TRAP, AND PIPED TO NEAREST DRAIN. SEE DETAILS SHOWN ON THE DRAWINGS OR THE CONTRACT SPECIFICATIONS FOR DEPTH OF AIR CONDITIONING CONDENSATE TRAP.
25. REFER TO TYPICAL DETAILS FOR DUCTWORK, PIPING, AND EQUIPMENT INSTALLATION.
26. PROVIDE FIRE DAMPERS FOR DUCT PENETRATIONS THROUGH FIRE RATED WALLS.
27. ALL SPACE TEMPERATURE AND HUMIDITY SENSORS SHALL BE MOUNTED AT 4'-0" ABOVE FINISHED FLOOR HEIGHT, UNLESS NOTED OTHERWISE.
28. IF DUCTWORK SIZE IS NOT SHOWN, PROVIDE SIZING ACCORDING TO EQUAL FRICTION METHOD: SUPPLY 0.10"SP WG/100 EQ.FT. AND RETURN 0.05"SP WG/100 EQ.FT.
29. PROVIDE BLADE SEALS FOR ALL DAMPERS WHETHER THEY ARE GRAVITY BACKDRAFT TYPE OR MOTOR OPERATED TYPE.
30. CAULK (MOISTURE & AIR TIGHT) ALL AROUND LOUVERS AND OTHER AIR DEVICES THRU EXTERIOR WALLS.

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SOUTH CAROLINA PROFESSIONAL ENGINEER No. 38987 BERRY L. VENEY JR.

Client
ALLENDALE-FAIRFAX COUNTY SCHOOL DISTRICT

Project
ALLENDALE PRIMARY SCHOOL

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Key Plan

PROFESSIONAL ENGINEERS
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SOUTH CAROLINA C.O.A. # 6169

Sheet Title
MECHANICAL LEGEND, NOTES AND SYMBOLS

M-001

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