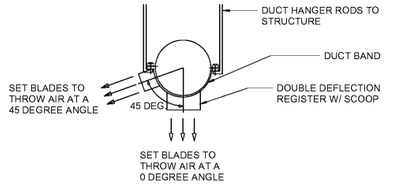
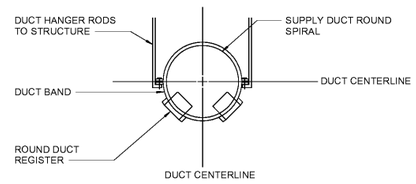
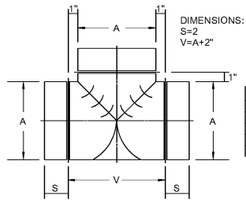


1 ROUND DUCT REGISTER (45 DEG.) DETAIL
NTS

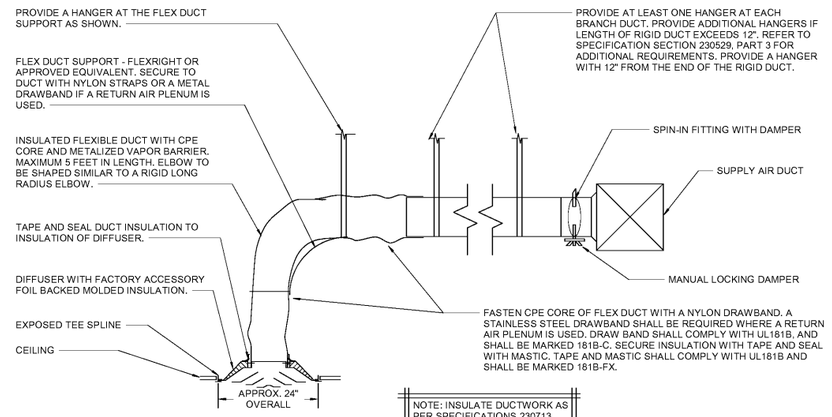


2 ROUND DUCT REGISTER DETAIL
NTS

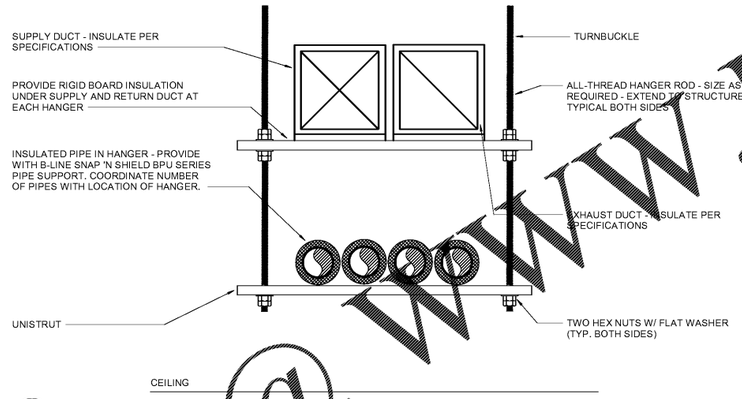


DIAMETER	NUMBER OF VANES
3-5"	1
6-9"	2
10-14"	3
15-19"	4
20-60"	5
OVER 60"	12" CTR'S

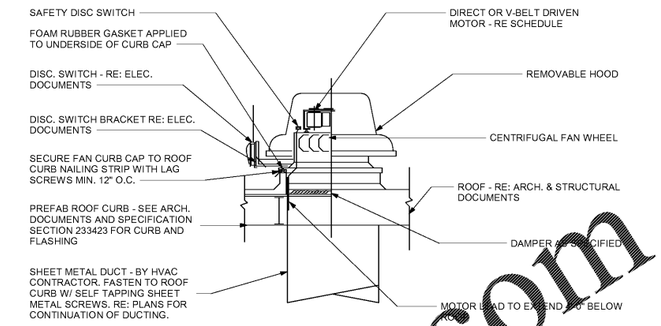
3 ROUND TEE DETAIL
NTS



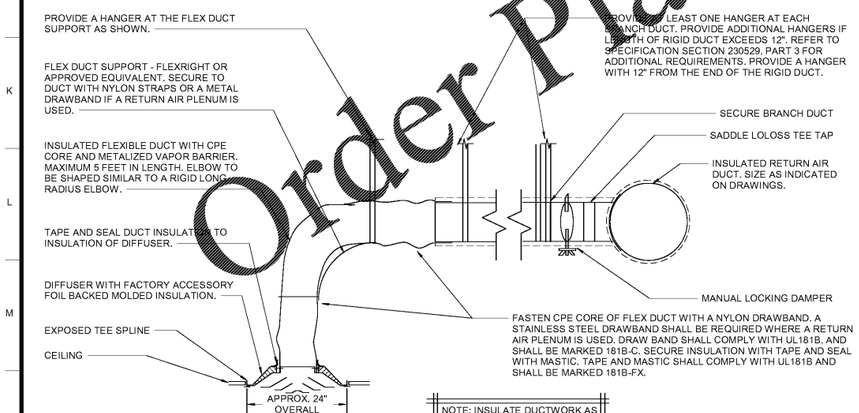
6 SUPPLY DUCT CONNECTION DETAIL
NTS



7 TRAPEZE DUCT AND PIPE HANGER
NTS

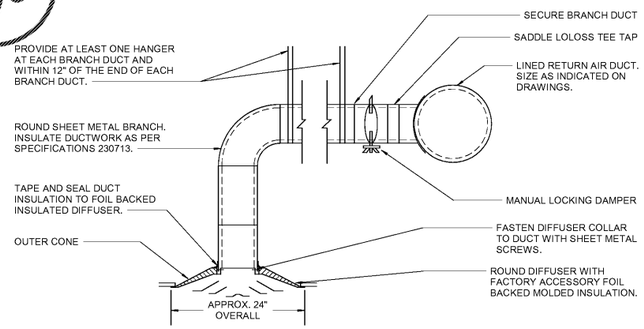


9 EXHAUST CENTRIFUGAL FAN ROOF MOUNTED (FLAT ROOF) DETAIL
NTS



4 LINEAR DIFFUSER WITH PLENUM BOX CONNECTION
NTS

5 ROUND SUPPLY DUCT SUPPLY DIFFUSER CONNECTION DETAIL
NTS



8 ROUND DUCT RETURN GRILLE CONNECTION DETAIL
NTS

	SE KEYNOTES
1	4" DIAMETER, MINIMUM 24 GAUGE DRYER VENT. ROUTE UP IN CHASE, THROUGH EXTERIOR WALL AND TERMINATE WITH WALL CAP. PROVIDE FLAPPER DAMPER. TERMINATE INSIDE 6" A.F.F. AND PROVIDE LINT TRAP.
2	16"x16" LOCKABLE ACCESS DOOR. BOTTOM OF DOOR 1'-0" A.F.F.
3	INLINE DUCT BOOSTER FAN SIMILAR TO FANTECH FDR150 - RE: EXHAUST FAN SCHEDULE.
4	INSTALL MINI-SPLIT ON WALL AS HIGH AS POSSIBLE BUT BELOW CEILING. INSTALL CONDENSATE LIFT PUMP (TYPE CLEARVUE MINI OR APPROVED ALTERNATE) AND ROUTE CONDENSATE DRAIN LINE UP THROUGH CEILING TO HUB DRAIN IN CHASE. ROUTE REFRIGERANT PIPING TO OUTDOOR UNIT IN MOST DIRECT WAY POSSIBLE, CONCEAL EXPOSED PUMP, PIPING AND CONDUIT - RE: DETAIL 11/M501.
5	PIPE CHASE HOUSING SIGRISTECH PRODUCTS OR APPROVED EQUIVALENT. SEAL PIPE PENETRATIONS ON HOUSING WITH A WEATHER TIGHT EXIT SEAL.
6	CONDENSATE DRAIN LINE WITH MINIMUM 1% SLOPE ROUTED ABOVE CEILING. TERMINATE IN HUB DRAIN - RE: PLUMBING DRAWING FOR EXACT HUB DRAIN LOCATION.
7	COVER END OF RETURN AIR DUCT WITH 1/4" HARDWARE CLOTH.
8	ROUTE MINI-SPLIT CONDENSATE DRAIN LINE FULL SIZE OF UNIT CONNECTION TO COMMON DRAIN. MINIMUM CONDENSATE DRAIN LINE SIZE IS 3/4". TERMINATE COMMON DRAIN IN HUB DRAIN - RE: PLUMBING DRAWING FOR EXACT HUB DRAIN LOCATION.
9	SET UP UNIT ON ROOF RAILS. REFER TO ARCHITECTURAL PLAN FOR EQUIPMENT RAIL DETAILS. NEATLY RACK REFRIGERANT PIPING CLOSE TO UNIT AND MAINTAIN MANUFACTURER'S SERVICE CLEARANCES. WEATHER PROTECT INSULATION USING PROTECTIVE ALUMINUM JACKET. USE PIPE MOUNTING PEDESTALS FOR PIPE SUPPORT. ROUTE THROUGH ROOF USING A PIPE CHASE HOUSING. EXTEND HORIZONTALLY ABOVE CEILING IN THE MOST DIRECT MANNER TO INDOOR COIL CONNECTIONS. PROVIDE RODS, HANGERS AND SADDLES AS REQUIRED. PIPE IS TO BE INSULATED PRIOR TO INSTALLATION OF CLAMPS AND SUPPORTS.
10	INSTALL PACKAGED UNIT ON ROOF CURB. EXTEND TRAPPED CONDENSATE LINE TO NEAREST DOWNSPOUT. REFER TO ARCHITECTURAL DRAWINGS FOR EQUIPMENT CURB DETAILS.
11	COORDINATE SMOKE VENT LOCATIONS WITH STRUCTURAL PLANS. REFER TO ARHICTECTURAL DRAWINGS FOR EQUIPMENT CURB AND ROOF FLASHING DETAILS.
12	SPIRAL DUCT IN AUDITORIUM TO BE DOUBLE WALLED SPIRAL DUCT WITH 1" INSULATION IN INTERSTITIAL SPACE.

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SA&E PROJECT NUMBER	01-615-056
BID PACKAGE	BP-1
ISSUED FOR CONSTRUCTION	10/15/2019

REVISIONS

R #	Doc #	Date

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FACILITY CODE NUMBER: 674-0110
GYMNASIUM/AUDITORIUM FOR:
HEARD COUNTY SCHOOLS

545 MAIN STREET, FRANKLIN, GA 30217
HEARD COUNTY SCHOOL SYSTEM
FRANKLIN, GEORGIA

MECHANICAL EQUIPMENT DETAILS

STATE OF GEORGIA — GREGORY S. SOUTHERN — CERTIFICATE NO. 026572 — REGISTERED ARCHITECT

GEORGIA REGISTERED AE — CHARLES C. WALDO III — AE ENGINEER

DRAWING NUMBER
M502