



MECHANICAL LEGEND

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| | SUPPLY DIFFUSER (DIFFUSER SHOWN IS A THREE-WAY WITH ONE SIDE BLOCKED) | | RIGID DUCTWORK |
| | RETURN AIR GRILLE | | DUCT TRANSITION |
| | EXHAUST GRILLE | | TAP IN BRANCH DUCT WITH VOLUME DAMPER FOR ROUND DUCT |
| | TURNING VANES | | DETAIL NUMBER |
| | EXHAUST RISER | | SHEET NUMBER |
| | MOTORIZED DAMPER | | M.C. MECHANICAL CONTRACTOR |
| | BRANCH DUCT, TWIST-LOK, & ELBOW (ROUND) WITH VOLUME DAMPER | | G.C. GENERAL CONTRACTOR |
| | BRANCH DUCT, TAKE-OFF, (RECT.) WITH VOLUME DAMPER | | P.C. PLUMBING CONTRACTOR |
| | FIRE EXTINGUISHER | | E.C. ELECTRICAL CONTRACTOR |
| | THERMOSTAT | | R.C. REFRIGERATION CONTRACTOR |
| | SUPPLY DIFFUSER (SEE SHEET FOR SCHED.) | | |
| | AIRFLOW (CFM) | | |
| | BRANCH DUCT DIAMETER | | |

GENERAL NOTES

- IF DISCREPANCIES ARE FOUND ON THE PLANS, THE CONTRACTOR SHALL BID AND INSTALL THE MOST CONSERVATIVE SPECIFICATION AND CALL ENGINEER FOR CLARIFICATION.
- UNLESS NOTED OTHERWISE, ALL ITEMS ARE TO BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR.

CONSTRUCTION NOTES

- TRANSITION SUPPLY AND RETURN AIR RISERS (1" INSULATED LINER) AS REQUIRED TO CONNECT TO ROOF CURB OPENINGS (FROM DUCT SIZES SHOWN ON PLAN). PROVIDE FLEXIBLE CONNECTION AND VIBRATION DAMPER AT CONNECTION TO UNIT.
- EXPOSED DUCT SHALL BE DOUBLE WALL SPIRAL AND MOUNTED TIGHT TO STRUCTURE. M.C. SHALL COORDINATE DUCT ROUTING TO AVOID THE LIGHT FIXTURES. SPIRAL DUCTWORK TO BE PAINTED. SEE ARCHITECTURAL DRAWINGS.
- 8" EXHAUST DUCT UP TO ROOF CAP. SEE SHEET M161.
- SMOKE DETECTOR IN RETURN AIR DUCT OF RTU-1. M.C. SHALL INTERLOCK SMOKE DETECTOR TO SHUTDOWN RTU-1 UPON DETECTION OF SMOKE. ACCESS SHALL BE PROVIDED FOR INSPECTION AND MAINTENANCE. M.C. SHALL VERIFY CODE REQUIREMENTS FOR SMOKE DETECTOR IN THE APPLICABLE CONFIGURATION.
- M.C. SHALL INSTALL HUMIDITY SENSOR @ 60" AFF AS SHOWN OR AS DIRECTED BY OWNER REPRESENTATIVE. E.C. SHALL PROVIDE J-BOX AS REQUIRED. M.C. SHALL LABEL EACH HUMIDITY SENSOR FOR EASY IDENTIFICATION WITH THE UNIT NUMBER SHOWN ON PLAN.
- M.C. SHALL MOUNT UNIT HEATER BETWEEN TRUSS BAYS AS HIGH AS POSSIBLE. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. M.C. SHALL COORDINATE WITH PRE-FAB BUILDING STRUCTURAL ENGINEER FOR MOUNTING.
- M.C. SHALL MOUNT THE TOP OF EF-3 TIGHT TO THE BOTTOM OF THE ROOF STRUCTURE. PROVIDE WITH MOTORIZED DAMPER. INTERLOCK DAMPER WITH EF-3 TO OPEN WHEN FAN IS TURNED ON.
- M.C. SHALL MOUNT TOP OF COMBINATION LOUVER/DAMPERS, L-1 AND L-2, TIGHT TO THE BOTTOM OF THE ROOF STRUCTURE. INTERLOCK L-1 AND L-2 TO OPEN WHEN EF-3 IS TURNED ON.
- PROVIDE AUDIBLE/VISUAL ALARM DEVICES IN APPROVED LOCATION TO SIGNAL DUCT DETECTOR ACTIVATION. MOUNT AT 6'-6" A.F.F. M.C. AND E.C. SHALL TEST AND VERIFY THE SMOKE DETECTION SYSTEM WORKS PROPERLY AND MEETS ALL LOCAL AND STATE CODE REQUIREMENTS.
- M.C. SHALL LOCATE THERMOSTAT AT 48" AFF ON WALL. LABEL EACH THERMOSTAT FOR EASY IDENTIFICATION. M.C. SHALL PROVIDE ALL REQUIRED CONTROL WIRING, J-BOX, AND TERMINATIONS.
- M.C. SHALL INSTALL TEMPERATURE SENSOR @ 60" AFF AS SHOWN OR AS DIRECTED BY OWNER REPRESENTATIVE. E.C. SHALL PROVIDE J-BOX AS REQUIRED. M.C. SHALL LABEL EACH TEMPERATURE SENSOR FOR EASY IDENTIFICATION WITH THE UNIT NUMBER SHOWN ON PLAN.
- ROUTE 10"x10" TRANSFER DUCT BETWEEN TRANSFER GRILLES AND CONNECT TO TRANSFER GRILLES.
- MOUNT BOTTOM OF RETURN GRILLE AT 11'-3".
- TRANSITION RETURN DUCT TO GRILLE.



1 MECHANICAL CEILING PLAN
M121

Order Plans @

PROJECT: SHERWIN WILLIAMS
 1980 GADSDEN HIGHWAY
 TRUSSVILLE, AL 36285

DRAWING: MECHANICAL CEILING PLAN

Revisions	
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