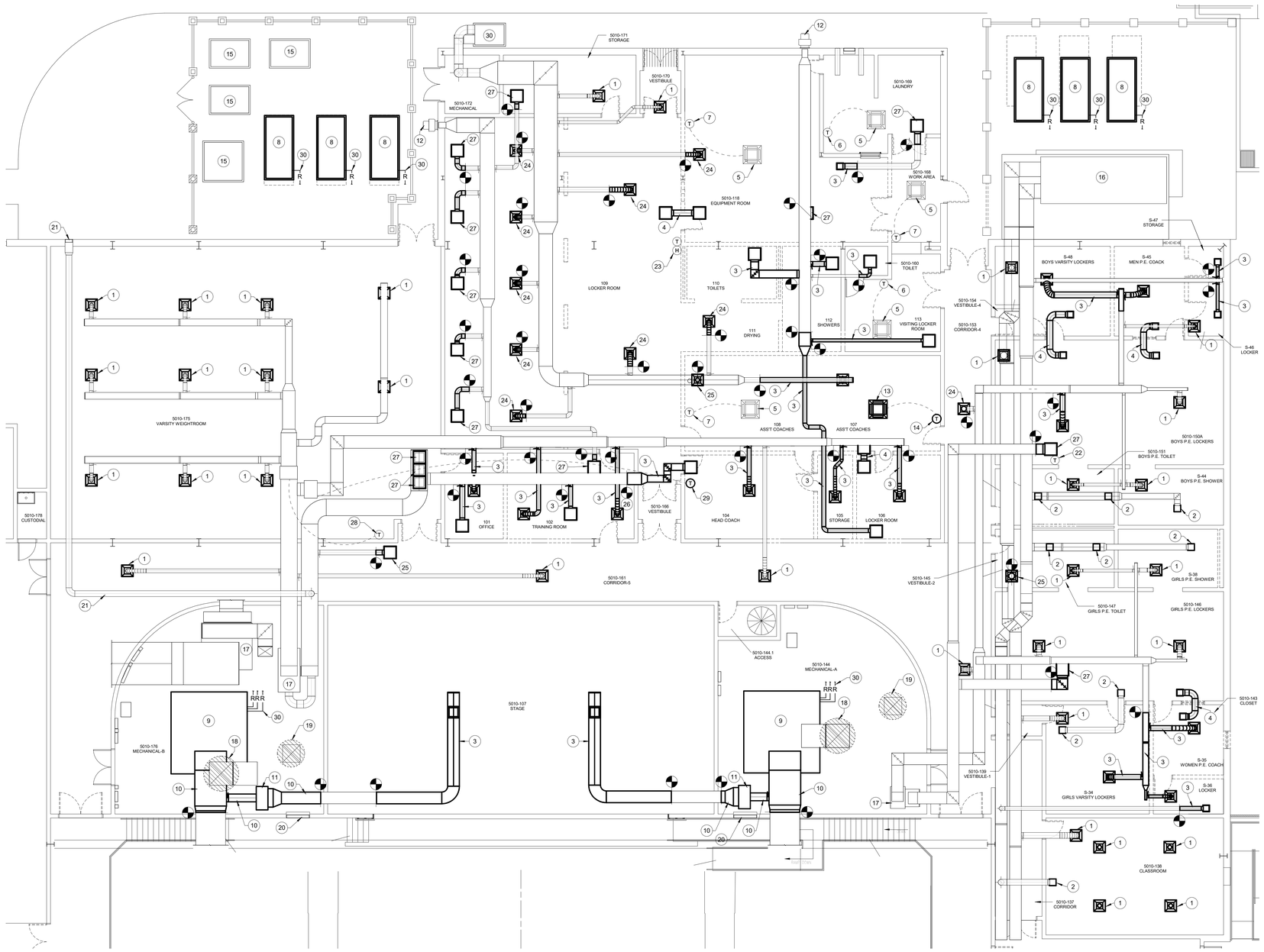

MECHANICAL DEMOLITION PLAN - BUILDING 5010

1/8" = 1'-0"

MECHANICAL NOTES: (THIS SHEET ONLY)

1. REMOVE EXISTING SUPPLY DIFFUSER AND DISCONNECT FROM EXISTING FLEX DUCT. CONTRACTOR SHALL VERIFY THAT THE EXISTING FLEX DUCT IS LEAK FREE AND IN ACCEPTABLE CONDITION. REPLACE FLEX DUCT AS REQUIRED. PREPARE DUCTWORK FOR CONNECTION TO NEW SUPPLY DIFFUSERS AS INDICATED ON THE NEW WORK DRAWINGS.
2. REMOVE EXISTING RETURN GRILLE. PREPARE DUCTWORK TO CONNECT TO NEW RETURN GRILLE IN NEW WORK. SEE NEW WORK DRAWINGS.
3. REMOVE EXISTING DUCTWORK, DIFFUSER, GRILLES, INSULATION, DUCT SUPPORTS, FLEX DUCT AND ALL APPURTENANCES TO THE POINT INDICATED.
4. REMOVE EXISTING TRANSFER DUCT, DIFFUSER, GRILLES, DUCT SUPPORTS AND ALL APPURTENANCES IN ITS ENTIRETY.
5. EXISTING DX SPLIT CEILING CASSETTE TO REMAIN. CONTRACTOR SHALL MOVE CEILING CASSETTE AS NEEDED TO FIT IN NEW CEILING GRID. SEE NEW WORK SHEET FOR NEW LOCATION.
6. EXISTING DX CEILING CASSETTE THERMOSTAT. THERMOSTAT TO REMAIN IN THIS LOCATION. THERMOSTAT LOCATION IS FROM EXISTING DRAWINGS CONTRACTOR SHALL VERIFY EXACT LOCATION. IF EXISTING WALL WHERE THERMOSTAT IS LOCATED IS TO BE REMOVED CONTRACTOR SHALL MOVE EXISTING THERMOSTAT TO NEW LOCATION AFTER NEW WALLS ARE CONSTRUCTED.
7. EXISTING DX CEILING CASSETTE THERMOSTAT. WALL WHERE THERMOSTAT IS LOCATED IS BEING REMOVED. THERMOSTAT LOCATION IS FROM EXISTING DRAWINGS CONTRACTOR SHALL VERIFY EXACT LOCATION. SEE NEW WORK SHEET FOR NEW LOCATION OF THERMOSTAT.
8. REMOVE EXISTING CONDENSING UNIT AND EXISTING CONCRETE PAD IN ITS ENTIRETY.
9. REMOVE EXISTING AIR HANDLER AND CONCRETE PAD IN ITS ENTIRETY.
10. REMOVE EXISTING DUCTWORK TO THE POINT INDICATED.
11. REMOVE EXISTING ZONE DAMPER IN ITS ENTIRETY.
12. EXISTING EXHAUST FAN TO REMAIN.
13. REMOVE EXISTING DX SPLIT CEILING CASSETTE IN ITS ENTIRETY.
14. REMOVE EXISTING DX CEILING CASSETTE THERMOSTAT.
15. EXISTING CONDENSING UNITS TO REMAIN.
16. EXISTING ENERGY RECOVERY UNIT TO REMAIN.
17. EXISTING AIR HANDLER TO REMAIN.
18. EXISTING MECHANICAL ROOM SUPPLY FAN TO REMAIN.
19. EXISTING OUTDOOR AIR INTAKE TO REMAIN.
20. EXISTING RETURN LOUVER INTO MECHANICAL ROOM TO REMAIN.
21. EXISTING OUTDOOR AIR LOUVER AND OUTDOOR AIR DUCT TO REMAIN.
22. EXISTING THERMOSTAT SERVING FCU-21 TO REMAIN.
23. RELOCATE EXISTING THERMOSTAT AND HUMIDISTAT SERVING OUTSIDE AIR UNIT. THERMOSTAT AND HUMIDISTAT LOCATION FROM EXISTING DRAWINGS CONTRACTOR SHALL VERIFY EXACT LOCATION. SEE NEW WORK SHEET FOR NEW LOCATION.
24. REMOVE EXISTING SUPPLY DIFFUSER AND EXISTING FLEX DUCT. PREPARE EXISTING DUCTWORK TO CONNECT TO NEW SUPPLY DIFFUSER AND FLEX DUCT. SEE NEW WORK SHEET.
25. COMPLETELY REMOVE DUCTWORK, FLEX DUCT AND DIFFUSER. PATCH EXISTING DUCTWORK. SEE NEW WORK SHEET FOR LOCATION OF NEW DIFFUSER.
26. CAP DUCT AT THIS APPROXIMATE LOCATION.
27. CONTRACTOR SHALL REMOVE RETURN GRILLE, AND DUCTWORK TO THE POINT INDICATED. SEE NEW WORK DRAWINGS FOR LOCATION OF NEW RETURN GRILLE.
28. EXISTING THERMOSTAT SERVING ZONE DAMPER TO REMAIN.
29. RELOCATE EXISTING THERMOSTAT SERVING ZONE DAMPER. SEE NEW WORK SHEET FOR NEW LOCATION. RELOCATE EXISTING THERMOSTAT SERVING ZONE DAMPER. SEE NEW WORK SHEET FOR NEW LOCATION.
30. EXISTING PACKAGED UNIT TO REMAIN.

MECHANICAL DUCT DEMO FLOOR PLAN

Altman + Barrett

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Interior Renovations for Thomas County Central High School
4686 Hwy 84, Thomasville Ga 31792
Thomas County School District

Project Status

MD101

FACILITY NO: 736-0191

PROJECT NO: 25012

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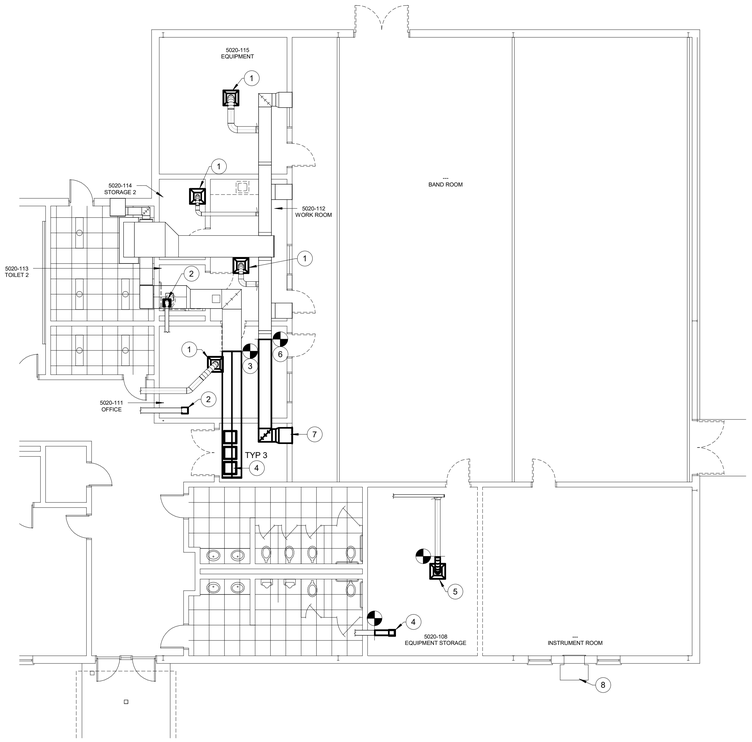
Altman + Barrett architects

MECHANICAL NOTES: (THIS SHEET ONLY)

1. REMOVE EXISTING SUPPLY DIFFUSER AND DISCONNECT FROM EXISTING FLEX DUCT. CONTRACTOR SHALL VERIFY THAT THE EXISTING FLEX DUCT IS LEAK FREE AND IN ACCEPTABLE CONDITION. REPLACE FLEX DUCT AS REQUIRED. PREPARE DUCTWORK FOR CONNECTION TO NEW SUPPLY DIFFUSERS AS INDICATED ON THE NEW WORK DRAWINGS.
2. REMOVE EXISTING RETURN GRILLE. PREPARE DUCTWORK TO CONNECT TO NEW RETURN GRILLE IN NEW WORK. SEE NEW WORK DRAWINGS.
3. REMOVE EXISTING RETURN DUCT TO THE POINT INDICATED.
4. CONTRACTOR SHALL REMOVE RETURN GRILLE, AND DUCTWORK TO THE POINT INDICATED. SEE NEW WORK DRAWINGS FOR LOCATION OF NEW RETURN GRILLE.
5. REMOVE EXISTING SUPPLY DIFFUSER AND EXISTING FLEX DUCT. PREPARE EXISTING DUCTWORK TO CONNECT TO NEW SUPPLY DIFFUSER AND FLEX DUCT. SEE NEW WORK SHEET.
6. REMOVE EXISTING SUPPLY DUCT TO THE POINT INDICATED.
7. REMOVE CLEAN AND STORE EXISTING SIDE WALL SUPPLY GRILLE TO BE USED IN NEW CONSTRUCTION. SEE NEW WORK SHEET FOR NEW LOCATION OF SUPPLY GRILLE.
8. EXISTING WALL HUNG HEAT PUMP TO REMAIN.



MECHANICAL DEMOLITION PLAN - BUILDING 5020

1/8" = 1'-0"

MECHANICAL DUCT DEMO FLOOR PLAN

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Interior Renovations for Thomas County Central High School
4686 Hwy 84, Thomasville Ga 31792
Thomas County School District

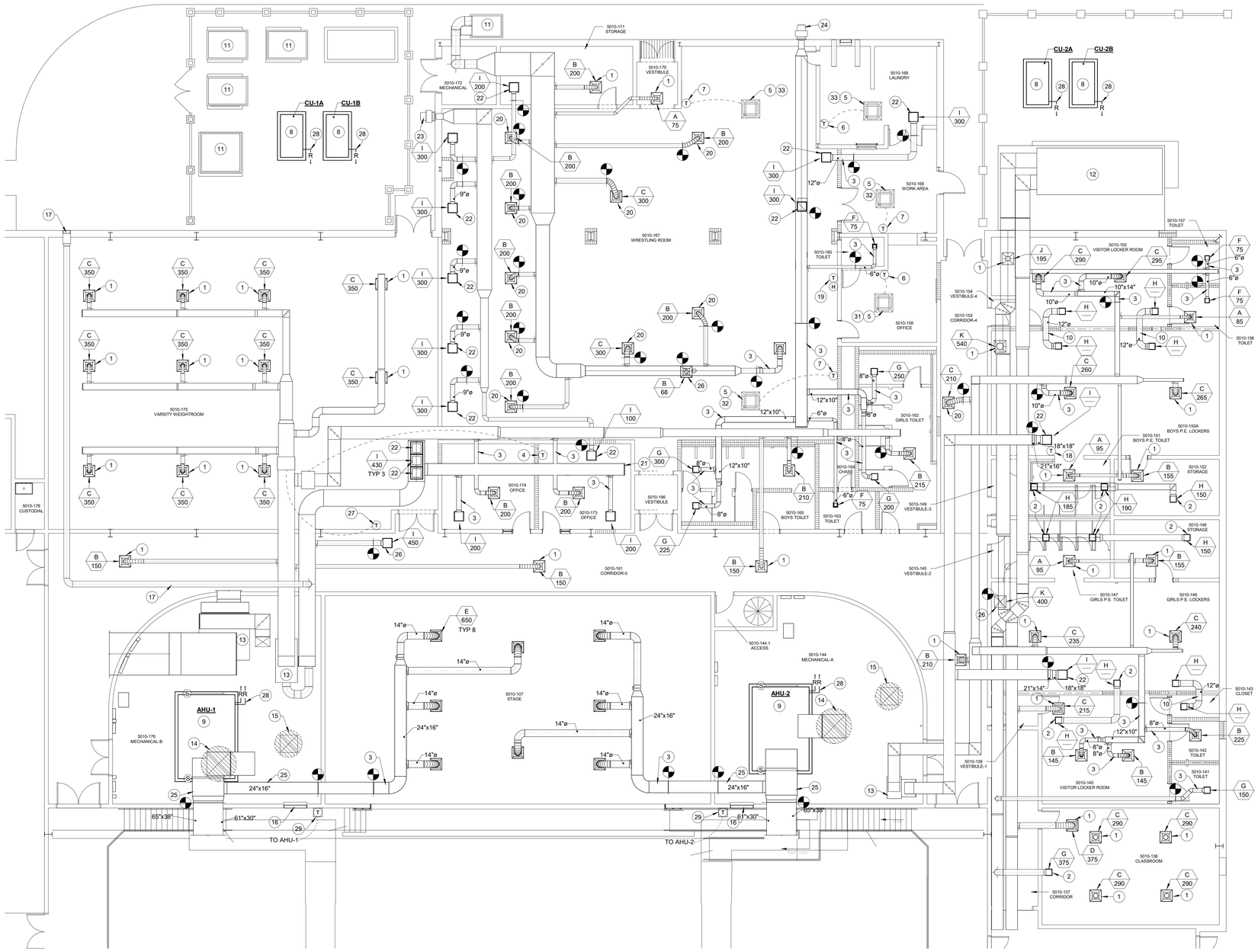
Project Status

MD102

FACILITY NO: 736-0191

PROJECT NO: 25012

Altman + Barrett architects



MECHANICAL NEW WORK PLAN - BUILDING 5010

1/8" = 1'-0"

MECHANICAL NOTES: (THIS SHEET ONLY)

1. INSTALL NEW SUPPLY DIFFUSER IN LAY IN CEILING AND CONNECT TO EXISTING FLEX DUCT.
2. INSTALL NEW RETURN/EXHAUST GRILLE IN LAY IN CEILING AND CONNECT TO EXISTING RETURN/EXHAUST DUCTWORK.
3. INSTALL NEW DUCTWORK, DIFFUSER, GRILLES, INSULATION, DUCT SUPPORTS, FLEX DUCT AND ALL APPURTENANCES.
4. NEW LOCATION FOR EXISTING THERMOSTAT SERVING ZONE DAMPER. SEE DEMOLITION SHEET FOR ORIGINAL LOCATION.
5. EXISTING DX SPLIT CEILING CASSETTE, SHOWN ON DEMO PLANS, SHALL BE MOVED TO THIS APPROXIMATE LOCATION TO FIT NEW CEILING GRID. EXISTING REFERGERANT PIPING AND CONDENSATE PIPING SHALL BE MODIFFIED IN ORDER TO MOVE EXISTING DX CEILING CASSETT AND MAKE OPERATIONAL.
6. EXISTING DX CEILING CASSETTE THERMOSTAT. THERMOSTAT LOCATION FROM EXISTING DRAWINGS CONTRACTOR SHALL VERIFY EXACT LOCATION.
7. EXISTING DX CEILING CASSETTE THERMOSTAT MOVED DURING DEMOLITION AND NEW WORK. SEE DEMOLITION DRAWINGS FOR ORIGINAL LOCATION.
8. INSTALL NEW CONDENSING UNIT AND CONCRETE PAD. CONCRETE PAD SHALL EXTEND 6" BEYOND UNIT ON ALL SIDES.
9. INSTALL NEW AIR HANDLER AND CONCRETE PAD. CONCRETE PAD SHALL EXTEND 6" BEYOND UNIT ON ALL SIDES. CONTRACTOR SHALL LOCATE EXISTING AHU ELECTRICAL CONNECTION ORIGINATING THROUGH MECHANICAL ROOM FLOOR AND NOT PLACE NEW AIR HANDLER OR CONCRETE PAD ON TOP OF ELECTRICAL CONNECTION.
10. INSTALL NEW TRANSFER AIR DUCTWORK, GRILLES, DUCT SUPPORTS AND ALL APPURTENANCES. TRANSFER AIR GRILLES SHALL BE PLACED IN NEW LAY IN CEILING. CONTRACTOR SHALL REUSE EXISTING TRANSFER AIR DUCT PENETRATIONS AS APPROPRIATE. FOR EXISTING DUCT PENETRATIONS SEE DEMO SHEET. IF A NEW DUCT PENETRATION IS CREATED IN ORDER TO ROUTE TRANSFER AIR DUCT CONTRACTOR SHALL PATCH EXISTING OPENING.
11. EXISTING CONDENSING UNITS.
12. EXISTING ENERGY RECOVERY UNIT. CONTRACTOR SHALL TURN ON ENERGY RECOVERY UNIT AFTER NEW WORK IS FINISHED AND VERIFY PROPER OPERATION.
13. EXISTING AIR HANDLER.
14. EXISTING MECHANICAL ROOM SUPPLY FAN
15. EXISTING OUTDOOR AIR INTAKE.
16. EXISTING RETURN LOUVER INTO MECHANICAL ROOM.
17. EXISTING OUTDOOR AIR LOUVER AND OUTDOOR AIR DUCT.
18. EXISTING THERMOSTAT SERVING FCU-21.
19. NEW LOCATION OF EXISTING THERMOSTAT AND HUMIDISTAT SERVING OUTSIDE AIR UNIT. SEE DEMOLITION PLAN FOR ORIGINAL LOCATION.
20. INSTALL NEW SUPPLY DIFFUSER AND FLEX DUCT. CONNECT FLEX DUCT TO EXISTING SUPPLY DUCT.
21. CAP DUCT AT THIS APPROXIMATE LOCATION.
22. INSTALL NEW RETURN GRILLE AND RETURN DUCTWORK AND PLACE IN LAY IN CEILING. CONTRACTOR SHALL ATTACH NEW RETURN DUCT TO EXISTING DUCTWORK.
23. EXISTING EXHAUST FAN.
24. EXISTING EXHAUST FAN. CONTRACTOR SHALL REBALANCE EXHAUST FAN FOR 1125_CFM.
25. INSTALL NEW SUPPLY DUCTWORK FROM NEW AIR HANDLER IN MECHANICAL ROOM. DUCTWORK SHALL BE ROUTED FROM AIR HANDLER TO EXISTING DUCTWORK. CONNECT NEW DUCTWORK TO EXISTING.
26. CONTRACTOR SHALL INSTALL NEW SUPPLY GRILLE AND DUCTWORK. PLACE SUPPLY GRILLE IN NEW LAY IN CEILING. CONTRACTOR SHALL CONNECT SUPPLY DUCT TO EXISTING SUPPLY DUCT IN THIS APPROXIMATE LOCATION.
27. EXISTING THERMOSTAT SERVING ZONE DAMPER.
28. CONTRACTOR SHALL INSTALL NEW REFRIGERANT PIPING. PIPING SHALL BE ROUTED ALONG SAME PATH AS THE REFRIGERANT PIPING REMOVED DURING DEMOLITION.
29. INSTALL NEW SUPPLY DUCTWORK FROM NEW AIR HANDLER IN MECHANICAL ROOM. DUCTWORK SHALL BE ROUTED FROM AIR HANDLER TO EXISTING DUCTWORK. CONNECT NEW DUCTWORK TO EXISTING.
30. REMOVE REFRIGERANT PIPING SERVING EXISTING AIR HANDLER AND CONDENSING UNIT IN ITS ENTIRETY. CONTRACTOR SHALL INSTALL REFRIGERANT PIPING FOR NEW CONDENSING UNITS AND AIR HANDLER ALONG SAME PATH. SEE NEW WORK.
31. EXISTING 1 TON DX SPLIT CEILING MOUNT CASSETTE.
32. EXISTING 1 1/4 TON DX SPLIT CEILING MOUNT CASSETTE.
33. EXISTING 2 1/2 TON DX SPLIT CEILING MOUNT CASSETTE.

MECHANICAL DUCT FLOOR PLAN

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a+b architects

DATE: October 6, 2025
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CHECKED: JCS
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Interior Renovations for Thomas County Central High School
4686 Hwy 84, Thomasville Ga 31792
Thomas County School District

Project Status

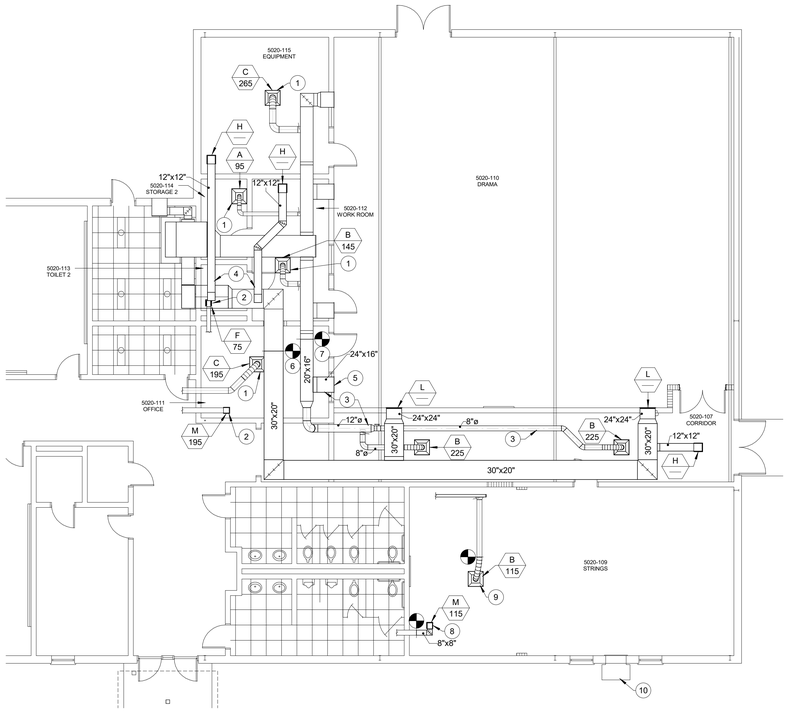
M101

FACILITY NO: 736-0191

PROJECT NO: 25012

MECHANICAL NOTES: (THIS SHEET ONLY)

1. INSTALL NEW SUPPLY DIFFUSER IN LAY IN CEILING AND CONNECT TO EXISTING FLEX DUCT.
2. INSTALL NEW RETURN/EXHAUST GRILLE IN LAY IN CEILING AND CONNECT TO EXISTING RETURN/EXHAUST DUCTWORK.
3. INSTALL NEW DUCTWORK, DIFFUSER, GRILLES, INSULATION, DUCT SUPPORTS, FLEX DUCT AND ALL APPURTENANCES.
4. ROUTE NEW RETURN DUCTWORK DOWN AND ATTACH TO EXISTING RETURN DUCTWORK.
5. REUSE EXISTING SIDE WALL SUPPLY GRILLE REMOVED AND STORED DURING DEMOLITION. IN THIS APPROXIMATE LOCATION, CONNECT RELOCATED GRILLE TO NEW DUCTWORK. BALANCE GRILLE AIRFLOW TO 775 CFM.
6. CONNECT NEW RETURN DUCT TO EXISTING RETURN DUCT IN THIS APPROXIMATE LOCATION.
7. CONNECT NEW SUPPLY DUCT TO EXISTING SUPPLY DUCT IN THIS APPROXIMATE LOCATION.
8. INSTALL NEW RETURN GRILLE AND RETURN DUCTWORK AND PLACE IN LAY IN CEILING. CONTRACTOR SHALL ATTACH NEW RETURN DUCT TO EXISTING DUCTWORK.
9. INSTALL NEW SUPPLY DIFFUSER AND FLEX DUCT. CONNECT FLEX DUCT TO EXISTING SUPPLY DUCT.
10. EXISTING WALL HUNG HEAT PUMP.



MECHANICAL NEW WORK PLAN - BUILDING 5020

1/8" = 1'-0"

Altman + Barrett

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Interior Renovations for Thomas County Central High School
4686 Hwy 84, Thomasville Ga 31792
Thomas County School District

Project Status

M102

FACILITY NO: 736-0191

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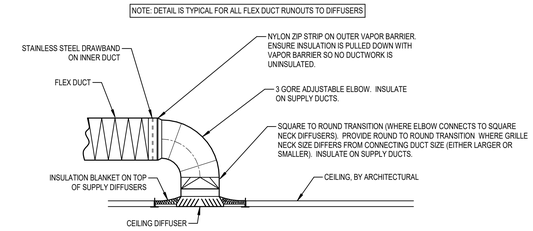
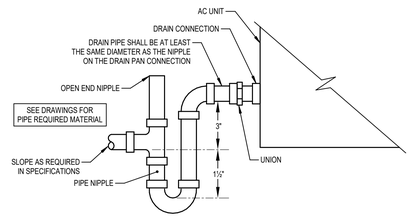
MECHANICAL DUCT FLOOR PLAN

PROJECT NO: 25012

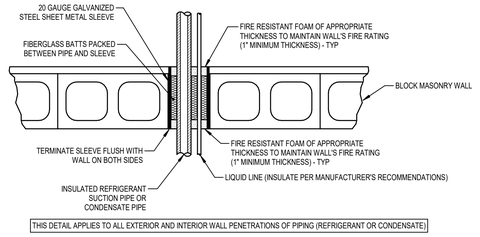
Altman + Barrett architects



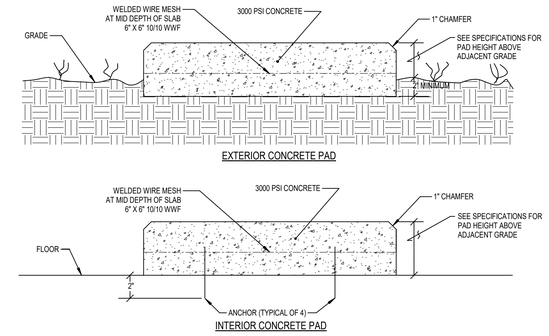
CEILING GRILLE DUCT CONNECTION DETAIL
NOT TO SCALE



CONDENSATE DRAIN TRAP DETAIL
NOT TO SCALE



PIPE SLEEVE DETAIL - REFRIGERANT OR CONDENSATE PIPE THRU WALL
NOT TO SCALE



CONCRETE EQUIPMENT PAD DETAIL
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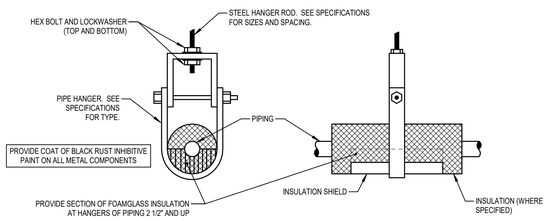

PIPE HANGER DETAIL
NOT TO SCALE

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MECHANICAL DETAILS

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Interior Renovations for Thomas County Central High School
4686 Hwy 84, Thomasville Ga 31792
Thomas County School District

Project Status

M501

FACILITY NO: 736-0191

PROJECT NO: 25012

Altman + Barrett architects

AIR HANDLING UNITS

TAG	CARRIER MODEL NO.	TOTAL COOLING MBH	SENSIBLE COOLING MBH	SUPPLY CFM	MAXIMUM OUTSIDE AIR CFM	COOLING COIL CONDITIONS				APPROXIMATE E.S.P. IN. WG.	SUPPLY MOTOR HP	HEATING KW	HEAT STAGES	NOTES
						ENTERING AIR °F		LEAVING AIR °F						
						DB	WB	DB	WB					
AHU-1	39MN 50W	795.0	564.0	21,000	5000	80	67	55.4	54.8	1.50	2 @ 7.5 HP EA.	100	6	1:2:3:4:5:6:7:8:9:10:11:12
AHU-2	39MN 50W	795.0	564.0	21,000	5000	80	67	55.4	54.8	1.50	2 @ 7.5 HP EA.	100	6	1:2:3:4:5:6:7:8:9:10:11:12

1. HORIZONTAL, DRAW-THRU, AIR HANDLING UNIT. UNIT SHALL BE OF DOUBLE-WALL (R-13) CONSTRUCTION FOR ALL SECTIONS WITH GALVANIZED G90 STEEL INTERIOR AND EXTERIOR.
2. PROVIDE MINIMUM 6-ROW/11 FPI DX COOLING COIL, MAXIMUM 550 FPM. COIL CAPACITIES BASED ON AIR ENTERING EVAPORATOR AT SCHEDULED CONDITIONS AND MATCHED WITH INDICATED CONDENSING UNIT. COILS SHALL BE FURNISHED WITH FACTORY-MOUNTED TXV'S ON EACH CIRCUIT.
3. PROVIDE FLAT FILTER SECTION WITH 2" DEEP, MERV 8, PLEATED FILTERS.
4. STATIC PRESSURE SCHEDULED DOES NOT INCLUDE WET COOLING COIL, HEATING COIL, FILTER OR SYSTEM EFFECT LOSSES.
5. PROVIDE SELF-DRAINING, DOUBLE-WALL, DOUBLE-SLOPED, 304 STAINLESS STEEL DRAIN PAN UNDER DX COOLING COIL SECTION. PROVIDE TRAPPED CONDENSATE DRAIN. SEE CONDENSATE DRAIN TRAP DETAIL.
6. PROVIDE PREMIUM-EFFICIENCY SUPPLY FAN MOTOR.
7. PROVIDE PLENUM SUPPLY FANS AND INTERNAL ISOLATION. PROVIDE EXTERNAL LUBE LINES FROM FAN BEARINGS. PROVIDE FACTORY-MOUNTED VFD'S.
8. PROVIDE HINGED ACCESS DOORS WITH QUARTER-TURN HANDLES FOR ACCESS TO FILTERS, COILS, HEATER, FAN, AND ELECTRICAL/CONTROLS.
9. PROVIDE ELECTRIC HEATER (INCLUDING FUSES AND HIGH-LIMIT SWITCH).
10. PROVIDE FACTORY INTERNAL CONTROL PANEL WITH SEPARATE LOW-VOLTAGE AND HIGH-VOLTAGE CONNECTIONS.
11. PROVIDE UNIT ELECTRO-MECHANICAL CONTROLLER CAPABLE OF CONTROLLING ALL FEATURES AND OPTIONS OF THE SPLIT SYSTEM.
12. PROVIDE A2L CONTROL BOX AND REFRIGERANT SENSOR.

CONDENSING UNITS

TAG	CARRIER MODEL No.	TOTAL COOLING MBH	MINIMUM STAGES CAPACITY	MINIMUM COOLING AMBIENT OPERATING TEMPERATURE °F	NOTES
CU-1A	38RCS030	397.5	2	35	1:2:3:4:5:6:7:8:9:10:11:12
CU-1B	38RCS030	397.5	2	35	1:2:3:4:5:6:7:8:9:10:11:12
CU-2A	38RCS030	397.5	2	35	1:2:3:4:5:6:7:8:9:10:11:12
CU-2B	38RCS030	397.5	2	35	1:2:3:4:5:6:7:8:9:10:11:12

1. COOLING CAPACITIES BASED ON 95°F AMBIENT AIR TEMPERATURES.
2. ALL REFRIGERANT LINES TO BE INSTALLED AND SIZED PER MANUFACTURER'S INSTALLATION RECOMMENDATIONS.
3. SCHEDULED CAPACITIES ARE OVERALL CAPACITIES REQUIRED FOR MATCHED CONDENSING UNIT AND EVAPORATOR COIL WITH 2°F SUCTION LINE LOSS.
4. PROVIDE INTEGRAL CONTROLS INCLUDING CONTACTORS, CRANKCASE HEATER, 5 MINUTE COMPRESSOR TIME DELAY RELAY AND COMPRESSOR OVER TEMPERATURE (OVERLOAD) PROTECTION.
5. PROVIDE ALL CONTROLS, ACCESSORIES, AND SYSTEM MODIFICATIONS TO PERMIT COOLING OPERATION TO SPECIFIED TEMPERATURE.
6. PROVIDE LIQUID AND SUCTION LINE SERVICE VALVES/GAUGE PORTS.
7. PROVIDE HIGH PRESSURE SWITCH AND LOW PRESSURE SWITCH.
8. PROVIDE FIELD-INSTALLED, FACTORY-PROVIDED, SUCTION ACCUMULATOR. VERIFY INSTALLATION LOCATION WITH MANUFACTURER.
9. UNIT SHALL UTILIZE R32 REFRIGERANT.
10. PROVIDE LOUVERED HAIL GUARDS.
11. PROVIDE FACTORY-INSTALLED PHASE PROTECTION.
12. PROVIDE FACTORY-MOUNTED ELECTRO-MECHANICAL CONTROLLER TO COMMUNICATE WITH AIR HANDLING UNIT.

BI-POLAR IONIZATION UNITS

TAG	ASSOCIATED EQUIPMENT	CFM	GLOBAL PLASMA SOLUTIONS MODEL #	NOTES
BPIU-1	AHU-1	21000	GPS IMOD	1:2:3:4
BPIU-2	AHU-2	21000	GPS IMOD	1:2:3:4

1. NEEDLE-POINT TYPE IONIZER WITH ABS PLASTIC OR POWDER-COATED STEEL HOUSING AND CARBON OR STAINLESS STEEL IONIZATION NEEDLES.
2. PROVIDE LED TO VERIFY IONIZATION.
3. PROVIDE 120 VAC OR 240 VAC. SEE ELECTRICAL DRAWINGS.
4. UNIT(S) SHALL BE MOUNTED UPSTREAM OF THE UNIT COOLING COIL.

GRILLES

TAG	TITUS MODEL No.	SIZE OR LENGTH	FINISH	THROW	NOTES
A	TMS-AA	6" DIA.	WHITE	4-WAY	1:4:5:7:8
B	TMS-AA	8" DIA.	WHITE	4-WAY	1:4:5:7:8
C	TMS-AA	10" DIA.	WHITE	4-WAY	1:4:5:7:8
D	TMS-AA	12" DIA.	WHITE	4-WAY	1:4:5:7:8
E	TMS-AA	14" DIA.	4-WAY	4-WAY	1:4:5:7:8
F	50F	6 X 6	WHITE	----------	3:4:6:7
G	50F	12 X 12	WHITE	----------	3:4:6:7
H	50F	12 X 12	WHITE	----------	3:6:7
I	50F	18 X 18	WHITE	----------	3:6:7
J	TDC-AA	12 X 12	WHITE	2-WAY	2:4:5:7:8:9
K	TDC-AA	15 X 15	WHITE	2-WAY	2:4:5:7:8:9
L	350FL	24 X 24	WHITE	----------	6:7:10
M	50F	8 X 8	WHITE	----------	3:6:7

1. LOUVERED-FACED, SQUARE-CONE, ALUMINUM, CEILING SUPPLY DIFFUSER WITH FIXED AIR DISCHARGE PATTERN. PROVIDE FULL FACED LOUVERS.
2. LOUVERED-FACED, HIGH-CAPACITY, ALUMINUM, CEILING SUPPLY DIFFUSER WITH FIXED AIR DISCHARGE PATTERN AS SCHEDULED.
3. ALL ALUMINUM 1" X 1" X 1" "EGG CRATE" EXHAUST/RETURN GRILLE.
4. PROVIDE OPPOSED BLADE DAMPER.
5. IN 24 X 24 PANEL FOR LAY-IN CEILING.
6. FLANGED FRAME FOR SURFACE MOUNTING.
7. NC LEVEL NOT TO EXCEED NC 30.
8. SEE CEILING GRILLE DUCT CONNECTION DETAIL.
9. TWO-WAY CORNER THROW.
10. ALUMINUM RETURN GRILLE WITH FACE BARS HORIZONTAL (PARALLEL TO LONG DIMENSION). PROVIDE FIXED STATIONARY BLADES AT 35° TO 45° DEFLECTION, AT 3/4" SPACING.

GENERAL NOTES

1. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT BUILDING ARRANGEMENT, DIMENSIONS AND DETAILS. THESE DRAWINGS ARE DIAGRAMMATIC, AND ARE NOT TO BE SCALED.
2. COORDINATE DUCT AND PIPE ROUTING AND EQUIPMENT LOCATION WITH PLUMBING AND ELECTRICAL INSTALLATIONS AND WITH BUILDING STRUCTURAL MEMBERS. OFF-SET DUCTS/PIPING AND SHIFT EQUIPMENT AS REQUIRED TO AVOID CONFLICTS WITH OTHER INSTALLATIONS.
3. COORDINATE LOCATION OF CEILING REGISTERS WITH LIGHTING LAYOUT, SPRINKLER HEADS AND CEILING GRID SYSTEMS AND APPURTENANCES. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION.
4. DUCT SIZES INDICATED ON THE PLANS ARE CLEAR INSIDE DIMENSIONS REQUIRED. WHERE LINER IS INDICATED OR NOTED, INCREASE DUCT SIZE TO ACHIEVE INDICATED DIMENSION(S).
5. REFER TO THE ELECTRICAL DRAWINGS FOR VOLTAGE, PHASE, MAXIMUM ALLOWABLE CURRENT DRAW, AMPERAGE AND CONNECTION ARRANGEMENT (SINGLE, MULTI-POINT, ETC.) OF ALL MECHANICAL EQUIPMENT PRIOR TO ORDERING/INSTALLING EQUIPMENT.
6. SUPPORT ALL DUCTS, PIPING AND EQUIPMENT FROM PRIMARY BUILDING STRUCTURAL MEMBERS AND PROVIDE SUPPLEMENTAL STRUCTURAL FRAMING AS REQUIRED BETWEEN PRIMARY BUILDING STRUCTURAL MEMBERS TO SUPPORT ALL SYSTEMS INSIDE THE BUILDING.
7. PROVIDE PIPE SLEEVE THRU ALL WALLS AND THRU ALL FLOOR SLABS. SEE PIPE SLEEVE DETAIL.
8. PROVIDE PIPE HANGERS FOR ALL SUSPENDED PIPING AS SHOWN IN DETAILS.

MECHANICAL LEGEND

A / 100	GRILLE, REGISTER, DIFFUSER DESIGNATION WITH CFM SHOWN BELOW FOR TAB FIRM TO BALANCE DEVICE
12 X 12	RECTANGULAR (OR FLAT OVAL) DUCT SIZE: 1ST DIMENSION IS SIZE DRAWN
12"Ø	RIGID ROUND DUCTWORK (OR FLUE PIPING)
	FLEXIBLE ROUND DUCTWORK
	RECTANGULAR TO ROUND TRANSITION
	FLEXIBLE CONNECTION
	DUCT LINER - SEE SPECIFICATION OR SHEET NOTES FOR THICKNESS AND TYPE
	SQUARE ELBOW WITH TURNING VANES
	45° BRANCH ENTRY FITTING
	90° ROUND TO ROUND SADDLE TAP
AP	ACCESS PANEL
WS	WALL SLEEVE
	BELLMOUTH TAKE-OFF FITTING
	45° TAKE-OFF FITTING
	SUPPLY DUCT TO OR FROM ABOVE (OR SUPPLY GRILLE)
	RETURN DUCT TO OR FROM ABOVE (OR RETURN GRILLE)
	ROOF MOUNTED EQUIPMENT
	CONCRETE EQUIPMENT PAD
	SUPPLY ARROW INDICATING DIRECTION OF AIRFLOW OR DUCT/PIPE OFFSET UP
	RETURN OR EXHAUST AIRFLOW (DIRECTION)
T	THERMOSTAT OR TEMPERATURE SENSOR WITH LOCKING COVER
T	THERMOSTAT OR TEMPERATURE SENSOR
H	HUMIDISTAT OR HUMIDITY SENSOR
C	POWER CONTACTOR PROVIDED BY MECHANICAL
S	DUCT MOUNTED SMOKE DETECTOR (PROVIDED AND WIRED BY ELEC.)
	DIRECTION OF FLOW
D	CONDENSATE DRAIN PIPING
R	REFRIGERANT PIPING
	PIPE SLEEVE THROUGH WALL OR FLOOR - SEE PIPE SLEEVE DETAIL
	DROPPING OR RISING PIPE
	PIPE TO OR FROM ABOVE
D	CONDENSATE DRAIN PIPING
R	REFRIGERANT PIPING
	PIPE SLEEVE THROUGH WALL OR FLOOR - SEE PIPE SLEEVE DETAIL
	DROPPING OR RISING PIPE
	PIPE TO OR FROM ABOVE
	PIPE ELBOW - 45° OR 90°
	PIPE TEE
DB, WB	DRY BULB, WET BULB
SS	STAINLESS STEEL
FPM	FEET PER MINUTE
CFM	CUBIC FEET PER MINUTE (AIRFLOW)
OA	OUTSIDE AIR
MBH	BTU's PER HOUR x 1000
APPROX.	APPROXIMATELY
ESP (IN. W.G.)	EXTERNAL STATIC PRESSURE (INCHES OF WATER GAUGE)
HP	HORSEPOWER
RPM	REVOLUTIONS PER MINUTE (MOTOR SPEED)
UNO	UNLESS OTHERWISE NOTED
AFF	ABOVE FINISHED FLOOR
UC	UNDERCUT
GPM	GALLONS PER MINUTE (WATERFLOW)
KW	KILOWATTS
△T	TEMPERATURE DIFFERENCE
B.E., T.E.	BOTTOM ELEVATION - TOP ELEVATION
NIC	NOT IN CONTRACT
RH	RELATIVE HUMIDITY
NTS	NOT TO SCALE
	LIMIT OF SCOPE OF WORK
1 / M1	SECTION OR DETAIL IDENTIFICATION NUMBER
	SHEET NUMBER ON WHICH SECTION OR DETAIL IS SHOWN

DEMOLITION LEGEND

	EXISTING EQUIPMENT, PIPING OR DUCTWORK TO REMAIN
	EXISTING EQUIPMENT, PIPING OR DUCTWORK TO BE REMOVED

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Interior Renovations for Thomas County Central High School
4686 Hwy 84, Thomasville Ga 31792
Thomas County School District

Project Status

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MECHANICAL SCHEDULES, LEGEND & GENERAL NOTES