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NEWTON COUNTY FLEET & PUBLIC WORKS

Covington Air Systems

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Covington, GA 30015

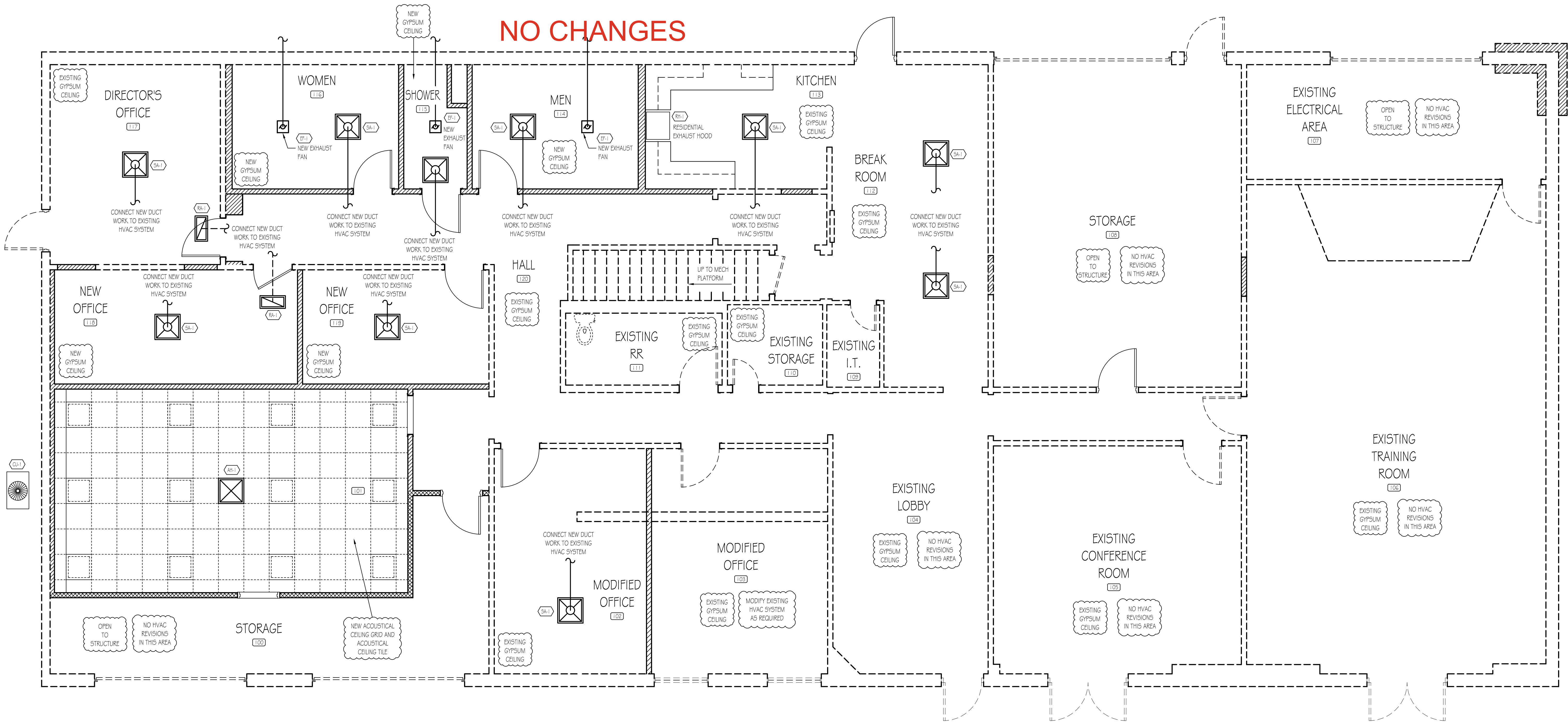
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Byron Hopper

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23-0000 HVAC – Public Works As-built

NO CHANGES



MECHANICAL NOTES

1. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR A COMPLETE MECHANICAL SYSTEM. THE SYSTEM SHALL BE FREE OF DEFECTS AND THE MECHANICAL CONTRACTOR SHALL WARRANT EQUIPMENT, MATERIALS AND LABOR FOR A PERIOD OF ONE (1) YEAR AFTER TURNING BUILDING OVER TO OWNER. INCLUDED WITH THE SYSTEM SHALL BE COMPLETE SUBMITTALS AND SHOP DRAWINGS AS REQUIRED.
2. ALL PERMITS AND FEES REQUIRED FOR THE WORK SHALL BE SECURED AND PAID FOR BY THE MECHANICAL CONTRACTOR (CONTRACTOR TO HAVE STATE LICENSE) PRIOR TO ANY WORK AND INCLUDED IN BID PRICE.
3. THE MECHANICAL CONTRACTOR SHOULD THOROUGHLY ACQUAINT THEMSELVES WITH THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. HE SHALL EXAMINE ALL SERVICES, EQUIPMENT, SURFACES, ETC., WHICH THIS WORK IS IN ANY WAY DEPENDENT UPON AND BRING ANY DISCREPANCIES DETERMINED OR OMISSIONS FOUND IN THE DRAWINGS TO THE GENERAL CONTRACTORS ATTENTION BEFORE SUBMITTING BID. VERIFY ALL DIMENSIONS BY FIELD MEASURING.
4. ANYTHING DRAWN OR SPECIFIED ON THESE PLANS SHALL NOT BE CONSTRUCTED TO CONFLICT WITH ANY LOCAL MUNICIPAL, STATE LAW, REGULATION OR ORDINANCE WHICH GOVERNS THE INSTALLATION OF ANY MECHANICAL OR RELATED WORK WHERE ANY PORTION OF THE SYSTEM IS NOT INSTALLED AS IN ACCORDANCE WITH APPLICABLE LAWS, ORDINANCES, REGULATIONS AND CODES. THE MECHANICAL CONTRACTOR SHALL MAKE ALL CHANGES REQUIRED BY THE ENFORCING AUTHORITIES IN A MANNER APPROVED BY THE GENERAL CONTRACTOR AND WITHOUT ADDITIONAL COST TO THE GENERAL CONTRACTOR.
5. THE MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES, ALL REQUIRED OPENINGS AND EXCAVATIONS. ALL REQUIRED OPENINGS IN FOUNDATIONS, FLOORS, WALLS AND ROOFS SHALL BE DESIGNED INTO THE STRUCTURE INITIALLY BY THE USE OF SUELVES, CURBS, ETC.. CUTTING AND PATCHING SHALL BE HELD TO A MINIMUM.
6. ALL EQUIPMENT SHALL BE NEW AND UNUSED, ALL EQUIPMENT SHALL BE INSTALLED IN STRICT CONFORMANCE TO MANUFACTURERS RECOMMENDATIONS, EXCEPT WHERE THESE SPECIFICATIONS REQUIRE A HIGHER QUALITY INSTALLATION THAN RECOMMENDED BY THE MANUFACTURER.
7. MATERIALS, EQUIPMENT AND SYSTEMS SHALL MEET ALL REQUIREMENTS OF THE UNDERWRITERS LABORATORY (UL), 1994 STANDARD MECHANICAL CODE, AMERICAN SOCIETY OF HEATING REFRIGERATION AND AIR CONDITIONING ENGINEERS (ASHRAE), SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION (SMACNA), AMERICAN GAS ASSOCIATION (AGA), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), AND OTHER NATIONALLY RECOGNIZED AGENCIES AS WELL AS APPLICABLE CODES.
8. ALL INSTALLED SYSTEM DEVICES AND RELATED ITEMS SHALL BE TESTED IN PLACE AT SITE. REPLACE ANY AND ALL DEFECTIVE ITEMS OR SYSTEMS AT THE MECHANICAL CONTRACTORS EXPENSE BEFORE COMPLETION OF THE PROJECT.
9. THE MECHANICAL CONTRACTOR SHALL REPLACE ANY MATERIALS, EQUIPMENT AND RELATED ITEMS THAT FAIL OR ARE FOUND TO BE DEFECTIVE WITHIN THE WARRANTY PERIOD.
10. THE MECHANICAL CONTRACTOR SHALL COORDINATE AND INTEGRATE INSTALLATION OF MECHANICAL MATERIALS AND EQUIPMENT FOR EFFICIENT FLOW OF WORK, GIVING PARTICULAR ATTENTION TO LARGE EQUIPMENT REQUIRING POSITIONING PRIOR TO CLOSING OF BUILDING.
11. THE MECHANICAL CONTRACTOR SHALL INSTALL ALL MECHANICAL EQUIPMENT WITH ENOUGH CLEAR WORK SPACE FOR MINIMUM INTERFERENCE.
12. THE MECHANICAL CONTRACTOR SHALL BALANCE ALL REGISTER DAMPERS FOR EQUAL AIR FLOW TO MATCH DRAWINGS.
13. ALL SUPPLY AND RETURN DUCTS SHALL BE INSULATED WITH AT LEAST 2" FIBERGLASS INSULATION. ALL DUCTWORK OUTSIDE OF BUILDING SHALL BE INSULATED WITH 2" FIBERGLASS MINIMUM. SEAL ALL JOINTS AND PUNCTURES TO PRESERVE VAPOR BARRIER.
14. FLEXIBLE DUCT SHALL NOT EXCEED 8'-0" IN LENGTH, NOR SHALL IT BE INSTALLED WHEN FLATTENED. FLEXIBLE DUCTS MUST BE FASTENED PER SMACNA STANDARDS.
15. THE MECHANICAL CONTRACTOR SHALL USE FIRE DAMPERS AT ALL PENETRATIONS OF SHOWN FIRE WALLS FOR ANY SUPPLY, RETURN OR EXHAUST DUCTS.
16. THE MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDENSATE DRAIN PIPING AND FITTINGS. INSULATE ALL CONDENSATE DRAIN AND FITTINGS INSIDE THE BUILDING WITH 1/2" THICK "ARMAFLEX" PIPE INSULATION. PIPE ALL CONDENSATE TO SANITARY SEWER, STORM DRAIN OR FRENCH DRAIN.
17. ALL PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE SEALED WITH AN APPROVED FIRE RATED MATERIAL OR FIRE RATED DRYWALL MUD.
18. ALL DUCT GALVANIZED SHEET METAL PER SMACNA.
19. ALL SUPPLY DUCTS SHALL BE METAL. ALL CONNECTORS SHALL BE METAL. AND ALL DUCTS THAT PENETRATE OR THAT IS WITHIN OR THROUGH A RATED ASSEMBLY, SHALL BE METAL (NO PLASTIC CONNECTORS). SEE NFPA 90A 2-1, 90B 2-1. SUPPLY INFORMATION ON CLASS D AND I DUCT MATERIALS.
20. PROVIDE DEKITTIE FLASHING AT ALL ROOF PENETRATIONS.
21. ALL EQUIPMENT, DUCT, AND GAS PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE 1991 STANDARD BUILDING CODE REQUIREMENT FOR SEISMIC ZONE 2. SEISMICS RESTRAINTS NOT REQUIRED FOR THE FOLLOWING INSTALLATIONS:
 - GAS PIPING LESS THAN 1" O.D., OR PIPING SUPPORTED BY INDIVIDUAL HANGERS 1/2" OR LESS IN LENGTH FROM THE TOP OF THE PIPE TO THE BOTTOM OF THE SUPPORT FOR THE HANGERS.
 - ALL RECTANGULAR DUCT LESS THAN 6 SQ. FT. IN CROSS SECTION AREA.
 - ALL ROUND DUCT LESS THAN 28" DIAMETER.
 - PIPING IN MECHANICAL ROOM LESS THAN 1 1/4" O.D.
 - ALL DUCTS SUSPENDED BY HANGERS 1/2" OR LESS IN LENGTH FROM THE TOP OF THE DUCT TO THE BOTTOM OF THE SUPPORT FOR THE HANGER.
22. MAINTAIN AT LEAST 10 FOOT CLEARANCE BETWEEN OUTSIDE AIR INTAKE AND PLUMBING VENTS OR GAS FLUES.
23. OUTSIDE AIR REQUIREMENTS ARE BASED ON 20 CFM PER PERSON PER ASHRAE 62-1 989.
24. ANY AIR HANDLING UNIT (HVAC) RATED 2,000 CFM OR MORE SHALL BE EQUIPPED WITH AUTOMATIC HEAT SENSITIVE SHUT-OFFS OR FIRESTATS. ANY UNIT RATED 15,000 CFM OR MORE SHALL BE EQUIPPED WITH AUTOMATIC SMOKE DETECTORS TO SHUT THE SYSTEM DOWN. (LIST THE UNITS AND THAT THEY WILL MEET.) (NFPA 90A, 90B, 4 91.)
25. ALL HVAC DUCT, GAS PIPE, ELECTRICAL, AND PLUMBING SHALL BE ATTACHED TO BUILDING STRUCTURE OR SUSPENDED FROM STRUCTURE WITH STEEL SUPPORT RODS.

Mini Split/Heat Pump Schedule

Key	Qty.	Specification	Description
CLT	1	LENNOX MMAD 018 565 - 1P	MINI SPLIT SYSTEM 220 VOLT / 1 PHASE

Air Handler Schedule

Key	Qty.	Specification	Description
ACL	1	LENNOX M22D 018 56 - 1P	AIR HANDLER 220 VOLT / 1 PHASE

Exhaust Fan Schedule

Key	Qty.	Specification	Description
EF	3	BROAN 110	110 CFM EXHAUST FAN

HVAC Grille Schedule

Key	Qty.	Specification	Description
SA	LOT	TITUS TMS	24" x 24" SUPPLY AIR REGISTER
RA	LOT	TITUS 50P	12" x 24" RETURN AIR GRILLE

Residential Hood Schedule

Key	Qty.	Specification	Description
RH	1	RESIDENTIAL KITCHEN HOOD	RESIDENTIAL WITH FIRE SUPPRESSION GUARDIAN II SYSTEM VENTED TO OUTSIDE

ALPHA BLDG SET 02-23-2026

SUNBELT

10841 HWY 95, CONNINGTON, GA 30014 t 770.786.0031 f 770.786.0048

Architect or Engineer Seal

A New Office Renovation Plan For
Newton County
(Public Works Bldg)

65 Piper Road
Connington, Georgia

1

03/31/2025

Permit Plans

Project No.

00-00

Cad File Name

00-00_NC_10_M10

Drawing Scale

1/4" = 1'-0"

Sheet Title

Mechanical Plan

Drawn

Checked

dcm gl

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IS EXECUTED OR NOT. THEY ARE NOT

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OR EXTENSIONS TO THIS PROJECT

EXCEPT BY AGREEMENT IN WRITING

AND APPROPRIATE COMPENSATION

TO THIS CORPORATION

DRAWING NUMBER

M-1.0 PW

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