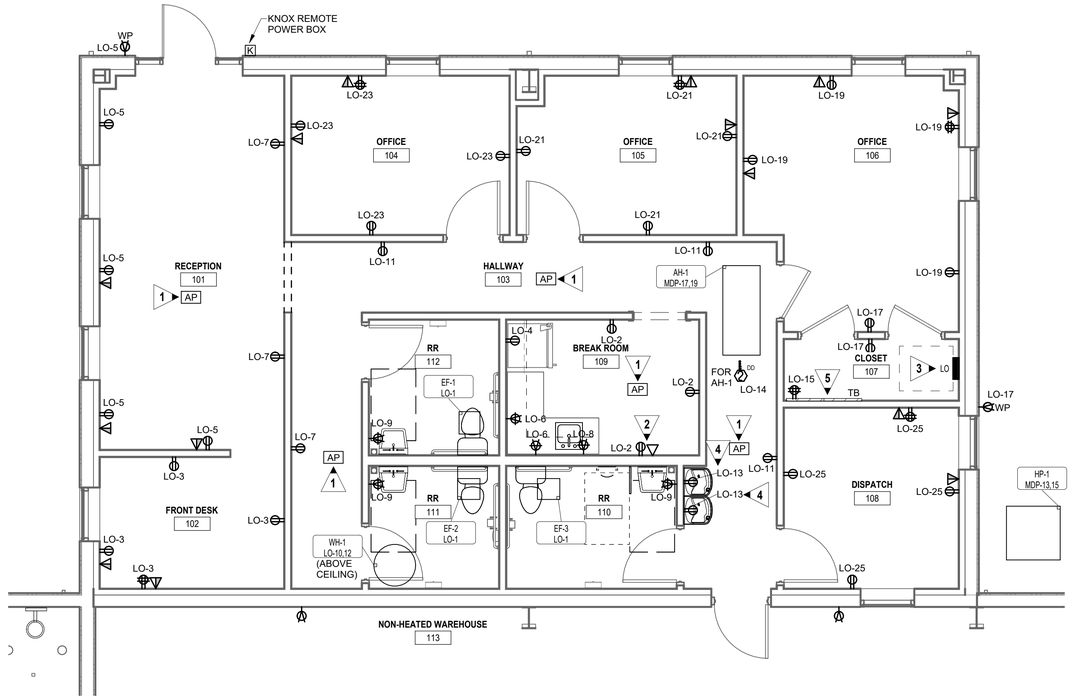
CSC-2024.01.007

MECHANICAL CONNECTION SCHEDULE

ID	EQUIPMENT INFORMATION VOLT	PH	MCA	MOCP	CIRCUIT INFORMATION PANEL	NO.	APPARENT LOAD	CONDUIT & WIRE SIZE	DISC TYPE	NOTES
AIR HANDLERS										
AH-1	240 V	1	78.9 A	80.0 A	MDP	17,19	15148 VA	1 1/4"C,3#4,1#8G	100A/2P NEMA 1	1,2
ELECTRIC HEATERS										
UH-1	240 V	1	90.0 A	90.0 A	MDP	14,16	15000 VA	1 1/4"C,3#3,1#8G	100A/2P NEMA 1	1
UH-2	240 V	1	90.0 A	90.0 A	MDP	18,20	15000 VA	1 1/4"C,3#3,1#8G	100A/2P NEMA 1	1
EXHAUST FANS										
EF-1	120 V	1	0.4 A	20.0 A	LO	1	35 VA	1/2"C,2#12,1#12G	MOTOR RATED SWITCH	1,3
EF-2	120 V	1	0.4 A	20.0 A	LO	1	35 VA	1/2"C,2#12,1#12G	MOTOR RATED SWITCH	1,3
EF-3	120 V	1	0.4 A	20.0 A	LO	1	35 VA	1/2"C,2#12,1#12G	MOTOR RATED SWITCH	1,3
EF-4	240 V	1	15.6 A	25.0 A	MDP	22,24	3000 VA	3/4"C,3#10,1#10G	STARTER DISCONNECT	1,4
HEAT PUMPS										
HP-1	240 V	1	31.4 A	50.0 A	MDP	13,15	5226 VA	1"C,3#6,1#10G	60A/2P NEMA 3R	1
WATER HEATERS										
WH-1	240 V	1	23.4 A	30.0 A	LO	10,12	4500 VA	3/4"C,3#10,1#10G	MOTOR RATED SWITCH	

MECHANICAL/PLUMBING SCHEDULE NOTES:

1. SEE MECHANICAL FOR EXACT CONTROL REQUIREMENTS.
2. PROVIDE 120V STAND-ALONE DUCT SMOKE DETECTOR LOCATED IN SUPPLY AIR DUCT. UNIT SHALL COME COMPLETE WITH SAMPLING TUBE AND REMOTE TEST/RESET STATION LOCATED IN MECH/ELEC ROOM IN ACCESSIBLE LOCATION. DETECTOR SHALL SHUT DOWN UNIT UPON ACTIVATION.
3. INTERLOCK AND POWER FAN VIA LIGHTING CIRCUIT IN AREA SERVED. PROVIDE 10 MINUTE TIME DELAY RELAY. PROVIDE UNSWITCHED HOT AT FAN. FAN HAS SPEED CONTROLLER.
4. FAN SHALL BE CONTROLLED BY A STARTER DISCONNECT AND LINE VOLTAGE THERMOSTAT. COORDINATE STARTER DISCONNECT REQUIREMENTS WITH MECHANICAL AND WIRE STARTER DISCONNECT PER MANUFACTURERS INSTRUCTIONS.



1 / E-302 OFFICE FLOOR PLAN - POWER & TELE/DATA
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. VERIFY MOUNTING HEIGHTS OF ALL ELECTRICAL OUTLETS WITH ARCHITECTURAL ELEVATIONS AND MILLWORK DRAWINGS PRIOR TO ROUGH IN
2. ROUTE 1"C FROM ALL MILLWORK/FLOOR BOXES WHERE DATA DROPS ARE SHOWN TO ABOVE NEAREST ACCESSIBLE CEILING TO SERVE DATA CABLING.
3. CONDUIT RUNS ARE SHOWN ON THESE TYPICAL PLANS AS UNDERGROUND ROUGH-IN.
4. COORDINATE EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT PRIOR TO ROUGH-IN.
5. ALL FLEXIBLE CONDUIT SHALL BE METALLIC WATERPROOF.
6. COORDINATE FINAL RECEPTACLE AND VOICE/DATA OUTLET LOCATIONS WITH ARCHITECTURAL CASEWORK AND OWNER PRIOR TO ROUGH-IN. NO EXCEPTIONS.
7. COORDINATE EXACT CONDUIT REQUIREMENTS FOR THERMOSTATS TO ALL AIR HANDLING UNITS. SEE MECHANICAL DRAWINGS FOR EXACT LOCATIONS. PROVIDE OUTLET BOXES AND CONDUIT TO ABOVE CEILINGS FOR ALL THERMOSTATS.
8. FIRE SEAL ALL FIREWALL PENETRATIONS.

KEYED NOTES:

1. CEILING MOUNTED BISCUIT STYLE DATA OUTLET BY OTHERS FOR WIRELESS ACCESS POINT. COORDINATE EXACT LOCATION WITH OWNER/ARCHITECT PRIOR TO BOX AND CONDUIT ROUGH-IN.
2. MOUNT RECEPTACLE AND DATA OUTLET HIGH ON WALL FOR TV. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH OWNER/ARCHITECT PRIOR TO ROUGH-IN.
3. REFER TO POWER RISER DIAGRAM, 1/E-501.
4. ELECTRIC WATER COOLER. REFER TO DETAIL, 8/E-501.
5. REFER TO TELE/DATA RISER, 7/E-501.

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GEORGIA REGISTERED NO. 034564 PROFESSIONAL ENGINEER JEFFREY H. McGEE
04/24/26

PROJECT NUMBER: 25-040

REVISIONS NO. DATE: ISSUE:

DRYWALL WAREHOUSE HWY 81

257 HIGHWAY 81
OXFORD, GA 30054
WALTON COUNTY, GEORGIA

OFFICE FLOOR PLAN - POWER & TELE/DATA

E-302

ISSUED FOR CONSTRUCTION

EDC ELECTRICAL DESIGN CONSULTANTS

ELECTRICAL ENGINEERS
MACON OFFICE - PROJECT #: M26042
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