MECHANICAL EQUIPMENT CONNECTION SCHEDULE

EQUIPMENT								POWER SUPPLY					CONTROL DEVICES														
ITEM DESIGNATION	EQUIPMENT NAME	ROOM/LOCATION	HP	kW	AMPS	PHASE	VOLTAGE	SOURCE	CIRCUIT BREAKER	CONDUCTOR SIZE (AWG) COPPER	GROUND SIZE (AWG) COPPER	RACEWAY SIZE	DISCONNECT SWITCH			STARTER NEMA SIZE	COMBINATION FVNR MOTOR STARTER/DISCONNECT SWITCH	FRACTIONAL HP DISCONNECT SWITCH	DISCONNECT SWITCH AT UNIT (SUPPLIED BY OTHERS)	PACKAGED CONTROL UNIT (SUPPLIED BY OTHERS)	THERMOSTAT CONNECTION (LINE VOLTAGE)	VARIABLE FREQUENCY DRIVE (PROVIDED BY OTHERS)	DUCT DETECTOR WITH TEST STATION		FIRE ALARM FAN SHUTDOWN		NOTES
													SWITCH AMPS	FUSE AMPS	LOCATION								RETURN	SUPPLY	RETURN	SUPPLY	
RTU-1	ROOFTOP UNIT	ROOF			62.0	3	208	MDP	80A/3P	(3)#2	#8	1-1/4"							X			X	X	X	X	X	1,2
RTU-2	ROOFTOP UNIT	ROOF			62.0	3	208	MDP	80A/3P	(3)#2	#8	1-1/4"							X			X	X	X	X	X	1,2
RTU-3	ROOFTOP UNIT	ROOF			68.0	3	208	MDP	90A/3P	(3)#2	#8	1-1/4"							X			X	X	X	X	X	1,2
EF-1	EXHAUST FAN	ROOF	1/4			1	120	PP1	15A/1P	(2)#12	#12	3/4"							X								1
VAV1-1	VARIABLE AIR VOLUME	LOBBY - 101		4.9	13.6	3	208	PP1	20A/3P	(3)#12	#12	3/4"							X								1
VAV1-2	VARIABLE AIR VOLUME	PREFUNCTION - 144		6.1	16.9	3	208	PP1	30A/3P	(3)#10	#10	3/4"							X								1
VAV1-3	VARIABLE AIR VOLUME	LOFT - 259		2.8	7.8	3	208	PP1	20A/3P	(3)#12	#12	3/4"							X								1
VAV1-4	VARIABLE AIR VOLUME	LOFT - 259		3.1	8.6	3	208	PP1	20A/3P	(3)#12	#12	3/4"							X								1
VAV2-1	VARIABLE AIR VOLUME	LOFT - 259		3.8	10.6	3	208	PP1	20A/3P	(3)#10	#10	3/4"							X								1
VAV2-2	VARIABLE AIR VOLUME	CORRIDOR - 261		4.4	12.2	3	208	PP1	20A/3P	(3)#10	#10	3/4"							X								1
VAV2-3	VARIABLE AIR VOLUME	CORRIDOR - 261		3.2	8.9	3	208	PP1	20A/3P	(3)#12	#12	3/4"							X								1
VAV2-4	VARIABLE AIR VOLUME	CORRIDOR - 262		3.2	8.9	3	208	PP1	20A/3P	(3)#12	#12	3/4"							X								1
VAV2-5	VARIABLE AIR VOLUME	CORRIDOR - 261		2.5	6.9	3	208	PP1	20A/3P	(3)#12	#12	3/4"							X								
VAV3-1	VARIABLE AIR VOLUME	STORAGE - 142		5.7	15.8	3	208	PP1	20A/3P	(3)#12	#12	3/4"							X								1
VAV3-2	VARIABLE AIR VOLUME	STORAGE - 142		3.8	10.6	3	208	PP1	20A/3P	(3)#12	#12	3/4"							X								1
VAV3-3	VARIABLE AIR VOLUME	STORAGE - 142		3.6	10.0	3	208	PP1	20A/3P	(3)#12	#12	3/4"							X								1
HWRP-1	HOT WATER RETURN PUMP	STORAGE - 249			0.8	1	120	PP1	15A/1P	(2)#12	#12	3/4"							X								1
EWH-1	ELECTRIC WATER HEATER	CLOSET - 250		6.0	28.8	1	208	PP1	40A/2P	(2)#8	#10	1"															1

MECHANICAL EQUIPMENT CONNECTION SCHEDULE NOTES

1. PROVIDE HACR TYPE CIRCUIT BREAKER FOR THIS EQUIPMENT.
2. EXISTING FIRE ALARM DUCT DETECTORS LOCATED DOWNSTREAM OF THE AIR HANDLING UNIT ARE TO REMAIN FOR REUSE.
3. REUSE EXISTING EMERGENCY POWER FEED FOR THE SMOKE PURGE SYSTEM. MAKE ALL REQUIRED ELECTRICAL TERMINATIONS FOR THE SMOKE PURGE SYSTEM.

BROWN AND CALDWELL
900 HAMMOND DRIVE, SUITE 500
ATLANTA, GA 30328

wendel

THIS DRAWING IS NOT VALID FOR CONSTRUCTION PURPOSES UNLESS IT BEARS THE SEAL AND SIGNATURE OF A DULY REGISTERED PROFESSIONAL

GEORGIA REGISTERED No. PE046069 PROFESSIONAL ENGINEER JESSE F. WENDELL
06/30/2026

CONSTRUCTION DOCUMENTS
07/01/2026

NCWSA NEWTON COUNTY WATER & SEWERAGE AUTHORITY

NCWSA OFFICE ADDITION

REVISIONS

REV	DATE	DESCRIPTION

LINE IS 2 INCHES AT FULL SIZE

DESIGNED: MAP
DRAWN: MAP
CHECKED: JFW
CHECKED:
APPROVED:

FILENAME

BC PROJECT NUMBER
616202
CLIENT PROJECT NUMBER

ELECTRICAL

MECHANICAL EQUIPMENT CONNECTIONS SCHEDULE

DRAWING NUMBER
E502