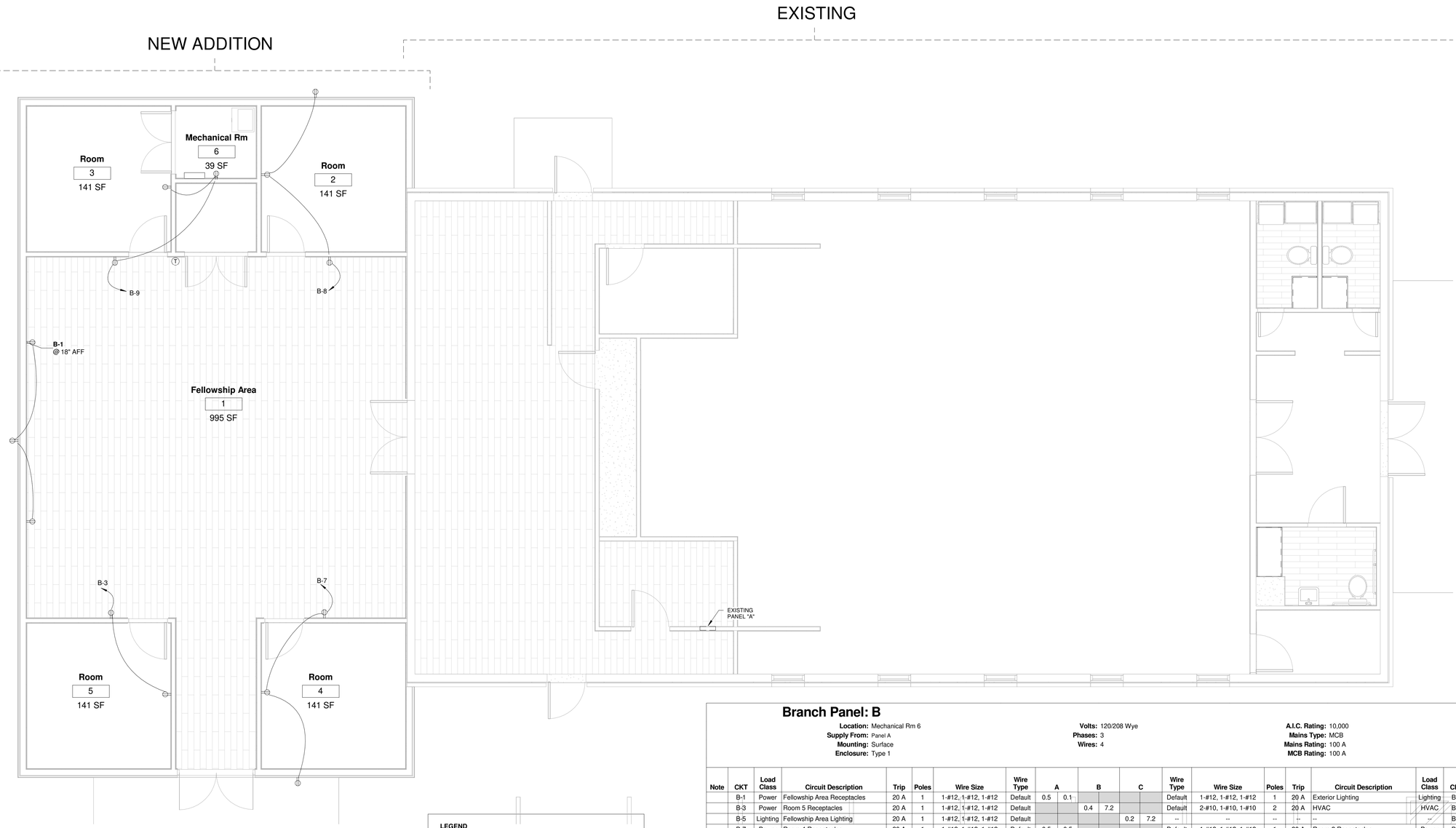

1 Electrical Plan
1/4" = 1'-0"

LEGEND

WP	WEATHER PROOF
GFCI	GROUND FAULT INTERRUPT (RECEPTACLE)
	DUPLEX RECEPTACLE
T	H.V.A.C. THERMOSTAT + 48"
S	SINGLE POLE SWITCH
$ 3P	THREE WAY SWITCH

ELECTRICAL SHALL MEET N.E.C. AND LOCAL CODES WHICH TAKE PRECEDENCE OVER THESE DRAWINGS

Branch Panel: B

Location: Mechanical Rm 6
Supply From: Panel A
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10,000
Mains Type: MCB
Mains Rating: 100 A
MCB Rating: 100 A

Note	CKT	Load Class	Circuit Description	Trip	Poles	Wire Size	Wire Type	A		B		C		Wire Type	Wire Size	Poles	Trip	Circuit Description	Load Class	CKT	Note
	B-1	Power	Fellowship Area Receptacles	20 A	1	1-#12, 1-#12, 1-#12	Default	0.5	0.1					Default	1-#12, 1-#12, 1-#12	1	20 A	Exterior Lighting	Lighting	B-2	
	B-3	Power	Room 5 Receptacles	20 A	1	1-#12, 1-#12, 1-#12	Default			0.4	7.2			Default	2-#10, 1-#10, 1-#10	2	20 A	HVAC	HVAC	B-4	
	B-5	Lighting	Fellowship Area Lighting	20 A	1	1-#12, 1-#12, 1-#12	Default					0.2	7.2	--	--	--	--	--	--	B-6	--
	B-7	Power	Room 4 Receptacles	20 A	1	1-#12, 1-#12, 1-#12	Default	0.5	0.5					Default	1-#12, 1-#12, 1-#12	1	20 A	Room 2 Receptacles	Power	B-8	
	B-9	Power	Room 3 Receptacles	20 A	1	1-#12, 1-#12, 1-#12	Default			0.5	0.1			Default	1-#12, 1-#12, 1-#12	1	20 A	Rm 4 & 5 Lighting	Lighting	B-10	
	B-11	Lighting	Rm 1 & 2 & Closet Lighting	20 A	1	1-#12, 1-#12, 1-#12	Default					0.1								B-12	
	B-13																			B-14	
	B-15																			B-16	
	B-17																			B-18	
	B-19																			B-20	
	B-21																			B-22	
	B-23																			B-24	
			Total Load:					1740 VA		8184 VA		7557 VA									
			Total Amps:					15 A		76 A		70 A									

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
HVAC	14400 VA	100.00%	14400 VA		
Lighting	561 VA	125.00%	701 VA	**Total Conn. Load:**	17481 VA
Power	2520 VA	100.00%	2520 VA	**Total Est. Demand:**	17621 VA
				Total Conn. Current:	49 A
				Total Est. Demand Current:	49 A

Notes:

No.	Description	Date

PROFESSIONAL SEAL

CLIENT
Grace Baptist Church

PROJECT NAME
Building Addition

SHEET TITLE
Electrical Plan

PROJECT NUMBER

ADDRESS
4020 Hwy. 81
McDonough GA

DATE 06/22/2024
PROFESSIONAL IN CHARGE
PROJECT MANAGER
DRAWN BY TD
QUALITY CONTROL -

02-E1

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Scale As indicated

4/8/2025 1:41:22 PM