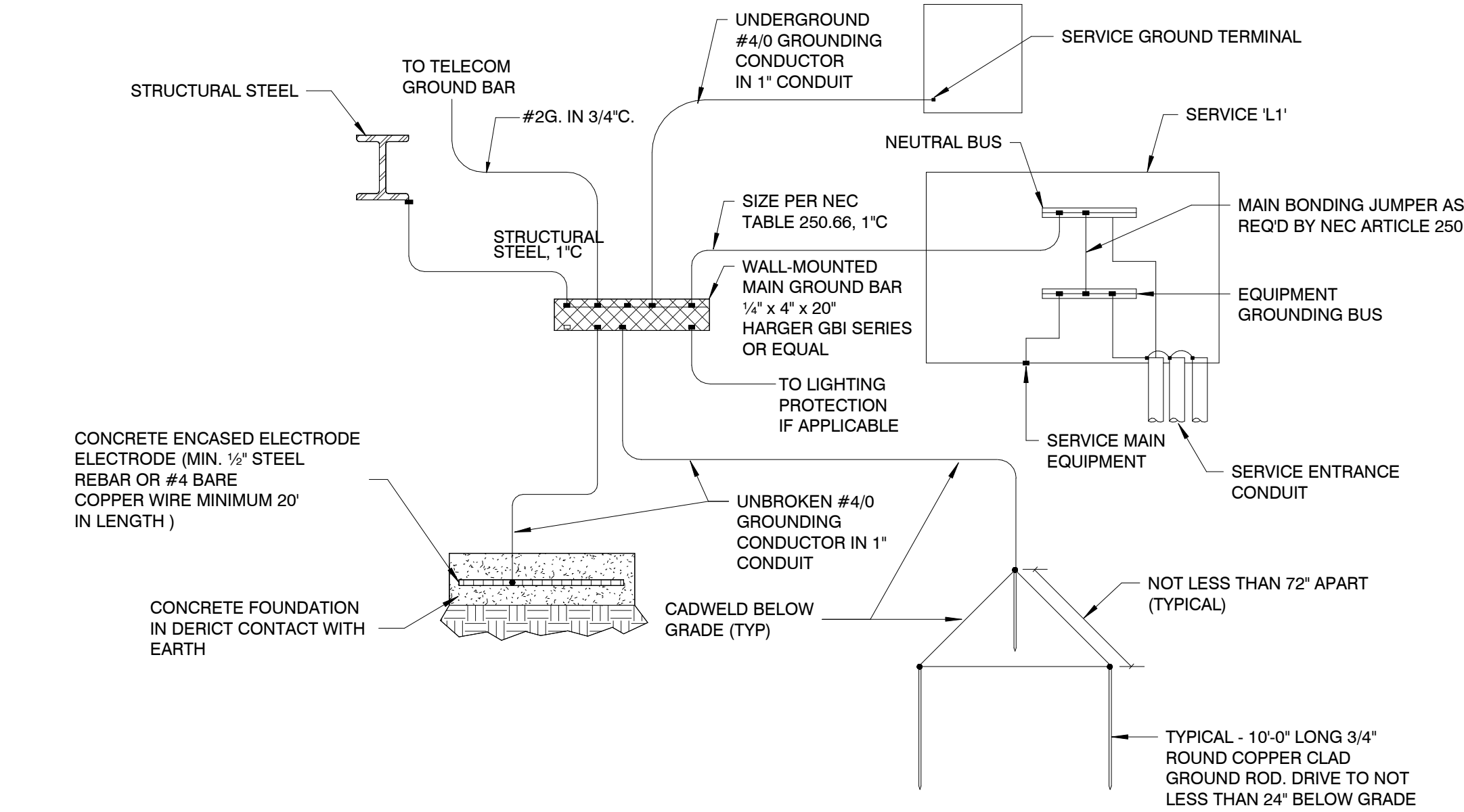


1 PARTIAL RISER DIAGRAM
NOT TO SCALE

GENERAL NOTES:
(APPLY TO THIS DETAIL ONLY)

1. WIRE SIZES ARE FOR COPPER CONDUCTORS.
2. CONTRACTOR TO VERIFY EQUIPMENT WILL FIT IN LOCATIONS AS SHOWN PRIOR TO INSTALLATION. ADJUST
3. LOCATIONS AS NEEDED TO MAINTAIN NEC REQUIRED WORKING CLEARANCES.
4. REFER TO PANELBOARD SCHEDULES FOR ADDITIONAL INFORMATION.
5. PROVIDE ARC-FLASH RATINGS ON ALL PANELBOARDS.
6. AVAILABLE FAULT CURRENTS ARE INDICATED ADJACENT TO EACH PANELBOARD. WHERE NO VALUE IS SHOWN, THE CALCULATED VALUE IS LESS THAN THE MINIMUM RATING. PROVIDE FULLY RATED PANELS/BREAKERS THAT EQUAL OR EXCEED VALUES INDICATED FOR ALL PANELS RATED 800 AMPS AND ABOVE. ALL PANELS RATED LESS THAN 800 AMPS SHALL BE U.L. SERIES RATED TO MEET OR EXCEED VALUES INDICATED. SHOP DRAWINGS SHALL INCLUDE ALL RATINGS.



4 ELECTRICAL GROUND DETAIL
NOT TO SCALE

GENERAL NOTES:
(APPLY TO THIS DETAIL ONLY)

1. ALL GROUNDING CONDUCTORS SHALL BE INSULATED COPPER UNLESS NOTED OTHERWISE.
2. SEE ELECTRICAL RISER DIAGRAM FOR MORE INFORMATION REGARDING EQUIPMENT.
3. GROUND PER ARTICLE 250 OF THE NEC.
4. DRAWING IS DESIGN INTENT ONLY. FIELD COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF GROUND BAR.

(EXISTING) PANEL L1									
VOLTAGE: 208 / 120		AMP: 225							
PHASE: 3				MAIN: MCB					
DESCRIPTION	KW	BKR	CK	PH	CK	BKR	KW	DESCRIPTION	
VENDING MACHINE	0.2	20/1	1	A	2	30/2	2.0	CU-2	
EWIC - FIRST FLOOR	0.5	20/1	3	B	4	---	2.0	---	
FAAP	0.0	20/1	5	C	6	40/2	3.0	CU-3	
EWIC - WOMENS	0.5	20/1	7	A	8	---	3.0	---	
EWIC - MENS	0.5	20/1	9	B	10	40/2	3.0	CU-4	
REC - BATHROOM	0.2	20/1	11	C	12	---	3.0	---	
REC - GYM	0.9	20/1	13	A	14	20/2	1.0	HAND DRYER	
REC - GYM	0.9	20/1	15	B	16	---	1.0	---	
TELEPHONE	0.4	20/1	17	C	18	20/2	1.0	HAND DRYER	
TELEPHONE	0.4	20/1	19	A	20	---	1.0	---	
REC - CONFERENCE	0.9	20/1	21	B	22	20/1	1.0	SCORE TABLE #1	
REC - CONFERENCE	0.9	20/1	23	C	24	20/1	1.0	FURNACE	
REC - CONFERENCE	0.9	20/1	25	A	26	20/1	1.0	FURNACE	
REC - BATHROOM	0.2	20/1	27	B	28	20/1	1.0	FURNACE	
FAAP	0.0	20/1	29	C	30	20/1	1.0	SCORE TABLE #3	
EF-3	0.2	20/1	31	A	32	20/1	1.0	FURNACE	
WH-1	1.0	20/1	33	B	34	20/2	1.0	HAND DRYER	
SCORE TABLE #2	1.0	20/1	35	C	36	---	1.0	---	
NEW PANEL 'L3'	11.8	60/3	37	A	38	20/2	1.0	HAND DRYER	
---	10.1	---	39	B	40	---	1.0	---	
---	10.9	---	41	C	42	20/1	1.0	SCORE TABLE #4	

** - PROVIDE CONNECTION TO NEW CIRCUIT BREAKER
& - BREAKER RELOCATED WITHIN BREAKER TO MAKE SPACE FOR NEW BREAKER

Phase A Load (kVA)	24.8	Connected kVA	73.2	97%	A-B Balance
Phase B Load (kVA)	24.0	Dem. kVA	40.5	99%	B-C Balance
Phase C Load (kVA)	24.3	Dem. Amps	112.4	98%	C-A Balance

Load Classification	Connected kVA	Demand Factor	Demand kVA
Receptacles			
First 10kVA or less	5.8	100%	5.8
Remainder over 10kVA		50%	0.0
Lighting	16.0	125%	0.0
Air Conditioning		100% of Largest Load:	16.0
Heating	0.0	Heating & A/C	
Largest Motor	0.2	125%	0.3
All other Motors	0.0	100%	0.0
Non-continuous Equip. Load	18.5	100%	18.5
Kitchen Equipment	0.0	100%	0.0
Elevators	0.0	100%	0.0

(NEW) PANEL L3									
VOLTAGE: 208 / 120		AMP: 100							
PHASE: 3				MAIN: MLO					
DESCRIPTION	KW	BKR	CK	PH	CK	BKR	KW	DESCRIPTION	
CORR. 101/STO. 107 REC	1.1	20/1	1	A	2	20/2	1.5	EWH	
CLASSROOM 102 REC	0.5	20/1	3	B	4	---	1.5	---	
CLASSROOM 103 REC	0.5	20/1	5	C	6	20/2	1.5	EWH	
CLASSROOM 104 REC	0.5	20/1	7	A	8	---	1.5	---	
CLASSROOM 105 REC	0.5	20/1	9	B	10	20/2	1.5	EWH	
OFFICE 106 REC	0.5	20/1	11	C	12	---	1.5	---	
LIGHTING	1.0	20/1	13	A	14	20/1	0.0	LCP	
RTU REC	0.2	20/1	15	B	16	---		SPACE	
WALL PACK LTG	1.0	20/1	17	C	18	---		SPACE	
TELE BACKBOARD QUAD	0.4	20/1	19	A	20	---		SPACE	
SPARE		20/1	21	B	22	---		SPACE	
SPARE		20/1	23	C	24	---		SPACE	
SPARE		20/1	25	A	26	60/3	5.8	RTU-1	
SPARE		20/1	27	B	28	---	5.8	---	
SPARE		20/1	29	C	30	---	5.8	---	

Phase A Load (kVA)	11.8	Connected kVA	32.7	85%	A-B Balance
Phase B Load (kVA)	10.1	Dem. kVA	33.2	92%	B-C Balance
Phase C Load (kVA)	10.9	Dem. Amps	92.2	92%	C-A Balance

Load Classification	Connected kVA	Demand Factor	Demand kVA
Receptacles	4.3		
First 10kVA or less		100%	4.3
Remainder over 10kVA		50%	0.0
Lighting	2.0	125%	2.5
Air Conditioning	0.0	100% of Largest Load:	
Heating	9.0	Heating & A/C	9.0
Largest Motor	0.0	125%	0.0
All other Motors	0.0	100%	0.0
Non-continuous Equip. Load	17.4	100%	17.4
Kitchen Equipment	0.0	100%	0.0
Elevators	0.0	100%	0.0

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Rev	Date	Comments
	05/22/2026	Permit & Bid Set

Client:

Fannin County

Project Number: 24184

Project Name:

Fannin County Rec
Center - Phase I

580 Winding Drive
Blue Ridge, Georgia 30513

Key Plan:

Sheet Title:

PANEL
SCHEDULES

Sheet Number:

E001-I

BW
&A

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