

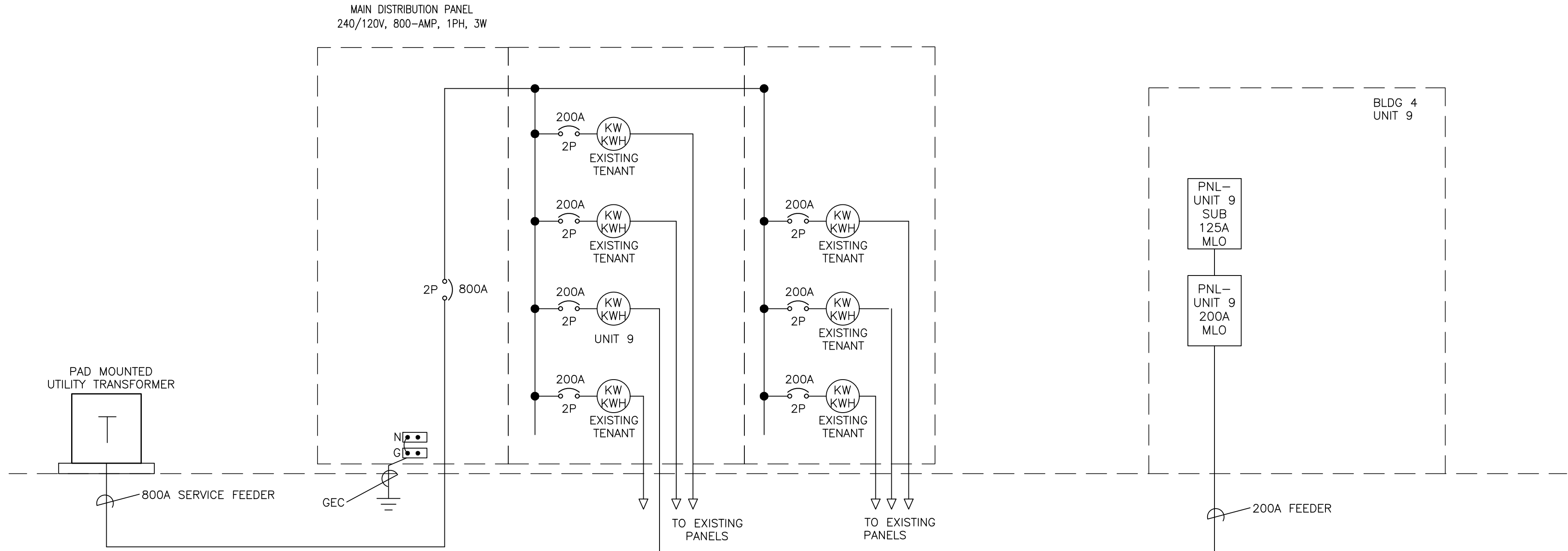


DIAGRAM NOTES

- ALL WORK SHOWN IS EXISTING UNLESS OTHERWISE NOTED.
- BRING ANY DISCOVERED CODE VIOLATIONS TO THE OWNER'S ATTENTION.
- ALL WIRING SHOWN IS SIZED FOR COPPER CONDUCTORS, UON

2 SINGLE LINE DIAGRAM – BLDG 4, UNIT 9

NTS

GENERAL NOTES

- ALL WORK SHOWN IS NEW, UNLESS NOTED OTHERWISE.
- ALL WORK TO BE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE, 2020 EDITION.
- SEAL ALL CONDUIT PENETRATIONS OF FLOORS AND FIRE RATED ASSEMBLIES TO MAINTAIN FIRE RATING.
- PROVIDE NEW TYPEWRITTEN DIRECTORIES REFLECTING WORK PERFORMED FOR ALL NEW PANELBOARDS IN THIS PROJECT.
- PLANS ARE PREPARED WITH REQUIRED BRANCH CIRCUITS INDICATED BY CIRCUIT NUMBERS. PROVIDE AND INSTALL ALL CONDUITS, CONDUCTORS, BOXES, MISCELLANEOUS FITTINGS, ETC. FOR A COMPLETE AND OPERABLE SYSTEM (HOMERUN SHOWN). BRANCH CIRCUIT INSTALLATION SHALL COMPLY WITH SPECIFICATIONS AND N.E.C.
- ALL NEUTRAL CONDUCTORS ON POWER BRANCH CIRCUITING ROUNDHOUSES TO BE #10 AWG UNLESS NOTED OTHERWISE.

ELECTRIC LOAD SUMMARY <i>Load Tab</i>		Client Name: SEAD Project Name: Riverfront Industrial Park - BLDG 4, UNIT 9 Project No: 2024003 Date: June 12, 2024	
	TYPE	SQ. FT.	
	Residential	2520	
	VA/S.F. OR QTY.	VA	TOTAL
GENERAL LIGHTING LOAD			
GENERAL LIGHTING	3	7,560	7,560
SMALL APPLIANCE	2	1,500	3,000
LAUNDRY	1	1,500	1,500
TOTAL			12,060
APPLIANCE LOADS			Per NEC 220.82(B)(3) & (4)
REFRIGERATOR	1	1,200	1,200
DISHWASHER	2	1,200	2,400
DISPOSAL	1	1,200	1,200
RANGE HOOD	1	750	750
OVEN	2	5,000	10,000
MICROWAVE	1	1,200	1,200
DRYER	1	5,000	5,000
GARAGE OPENER	1	1,200	1,200
BOILER	1	500	500
SAUNA	1	8,000	8,000
FAM	1	8,000	8,000
			39,450
GEN. LTG AND APPLIANCE LOAD			51,510
DEMAND FACTOR			NOTES
100% FIRST 10,000 VA		10000	Per NEC 220.83
40% FOR REMAINDER OF LOAD		16604	Per NEC 220.82(B)
TOTAL			26,604
HEATING & COOLING			Per NEC 220.82 C
AIR HANDLER	1	3,000	3,000
A/C	1	3,000	3,000
TOTAL			6,000
TOTAL (VA)			32,604
		Gen. Ltg & Appl. Load + AC	
		136 AMPS @ 240V, 1-PH	

1 LOAD CALCULATION– BLDG 4, UNIT 9

NTS

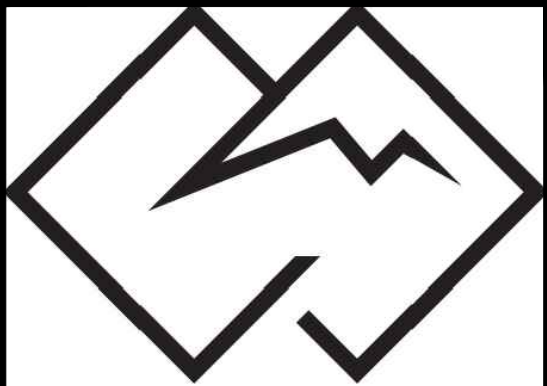
RIVERFRONT INDUSTRIAL PARK

1522 Shield Dr
Steamboat Springs, CO

SEAD

2740 Acre Lane, Suite E
Steamboat Springs, CO

REVIEWED
FOR
CODE
COMPLIANCE
01/13/2025



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Issue	By	Date & Issue Description	By
–	PERMIT SET	– 6.12.24	AW

Scale:	NTS 24x36
Description:	ONE LINE, LOAD CALCS
Project Name:	RIVERFRONT - BLDG 4, UNIT 9
Project Number:	2024003
Sheet No.	E-1.4