

RIVERFRONT INDUSTRIAL PARK

1522 Shield Dr
Steamboat Springs, CO

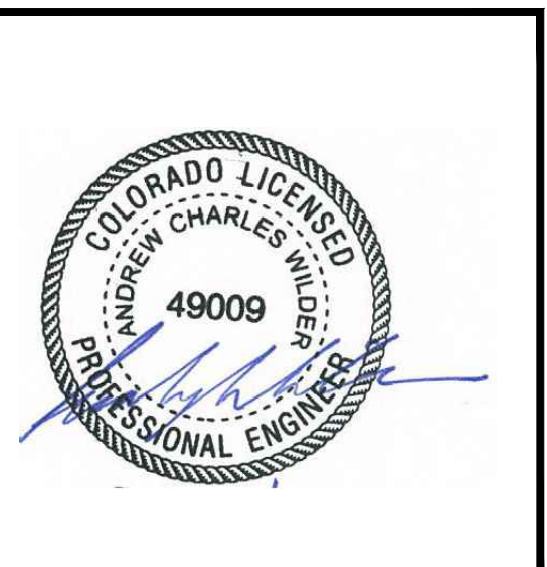
SEAD

2740 Acre Lane, Suite E
Steamboat Springs, CO

REVIEWED FOR CODE COMPLIANCE
09/03/2025



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Issue	By	Date & Issue Description	By
-	PERMIT SET	- 9.6.24	AW

Scale:	NTS 24x36
Description:	ONE LINE, LOAD CALCS
Project Name:	RIVERFRONT - BLDG 4, UNIT 8
Project Number:	2024003
Sheet No.	E-1.6

GENERAL NOTES

1. ALL WORK SHOWN IS NEW, UNLESS NOTED OTHERWISE.
2. ALL WORK TO BE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE, 2020 EDITION.
3. SEAL ALL CONDUIT PENETRATIONS OF FLOORS AND FIRE RATED ASSEMBLIES TO MAINTAIN FIRE RATING.
4. PROVIDE NEW TYPEWRITTEN DIRECTORIES REFLECTING WORK PERFORMED FOR ALL NEW PANELBOARDS IN THIS PROJECT.
5. 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.
6. ALL NEUTRAL CONDUCTORS ON POWER BRANCH CIRCUITING ROUNDHOUSES TO BE #10 AWG UNLESS NOTED OTHERWISE.

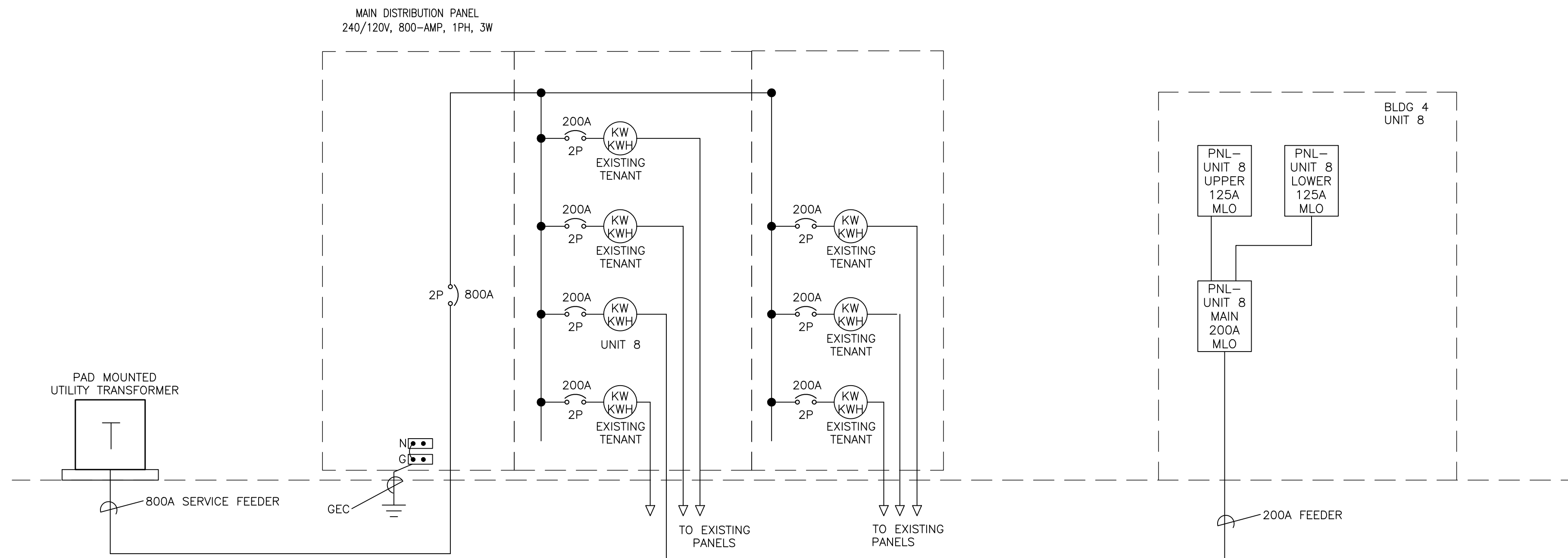


DIAGRAM NOTES

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

2 SINGLE LINE DIAGRAM - BLDG 4, UNIT 8
NTS

ELECTRIC LOAD SUMMARY				Client Name: SEAD	
Load Tab				Project Name: Riverfront Industrial Park - BLDG 4, UNIT 8	
				Project No: 2024003	
				Date: September 6, 2024	
	TYPE	SQ. FT.			
	Residential	2216			
	VA/S.F. OR				
	QTY.	VA	TOTAL		NOTES
GENERAL LIGHTING LOAD					
GENERAL LIGHTING	3	6,648	6,648		Per NEC 220.82(B)(1)
SMALL APPLIANCE	2	1,500	3,000		Per NEC 220.82(B)(2)
LAUNDRY	1	1,500	1,500		Per NEC 220.82(B)(2)
TOTAL			11,148		
APPLIANCE LOADS Per NEC 220.82(B)(3) & (4)					
REFRIGERATOR	1	1,200	1,200		
DISHWASHER	1	1,000	1,000		
DISPOSAL	1	1,000	1,000		
MICROWAVE	1	1,200	1,200		
RANGE HOOD	1	750	750		
GARAGE DOOR	1	1,500	1,500		
OVEN	1	8,000	8,000		
DRYER	1	5,000	5,000		
WAREHOUSE LOAD	1	5,000	5,000		
WAREHOUSE LOAD	1	5,000	5,000		
HOT TUB	1	8,000	8,000		
BOILER	1	500	500		
			38,150		
GEN. LTG AND APPLIANCE LOAD			49,298		
DEMAND FACTOR					
100% FIRST 10,000 VA			10000		Per NEC 220.83
40% FOR REMAINDER OF LOAD			15719		Per NEC 220.82(B)
TOTAL			25,719		
HEATING & COOLING					
AC	1	4,000	4,000		Per NEC 220.82.C
TOTAL			4,000		
TOTAL (VA)			29,719		Gen. Ltg & Appl. Load + AC
124 AMPS @ 240V, 1-PH					

1 LOAD CALCULATION - BLDG 4, UNIT 8
NTS