

NOTES:

1. SWITCHBOARD SHALL BE UL SERVICE ENTRANCE RATED.
2. PROVIDE SPD WITH OVERCURRENT DEVICE, DISCONNECTING MEANS & CONDUCTORS, SIZE PER SPD MFR REQUIREMENTS MOUNTED ON TOP OF EQUIPMENT.
3. PROVIDE DISCONNECTING MEANS LABEL PER 2008 NEC 230.70(B).
4. PROVIDE GROUND FAULT PROTECTIVE RELAY, DOCUMENT TEST, PROVIDE PHASE LOSS AND UNDERVOLTAGE DRY CONTACT FOR BUS PICKUP.
5. PROVIDE FACTORY INSTALLED DIGITAL MULTIMETER, PLUS MONITORING CABLE IN CONDUIT TO BUS PICKUP MODULE, COORDINATE WITH DIV 23.
6. PROVIDE OVERCURRENT LOADS, ONLY LARGER OF LOADS IS INCLUDED IN TOTAL.
7. REFER TO PLAN FOR CONDUCTOR AND CONDUIT SIZES.

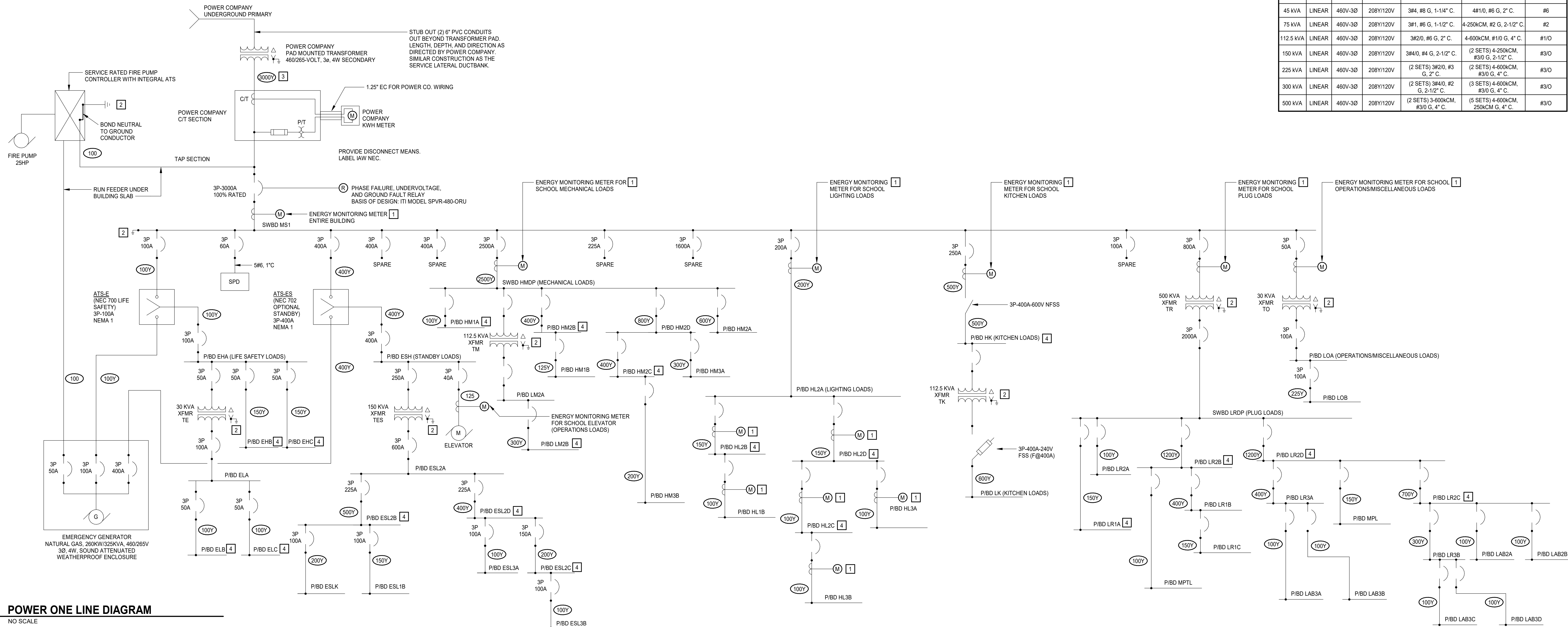
SPACE RESERVED FOR COUNTY APPROVAL STAMP

1. ENERGY MONITORING METER FOR BUILDING ELECTRIC LOADS IAW IECG 603. PROVIDE A PHENOLIC NAMEPLATE FOR EACH METER, IDENTIFYING THE LOAD METERED (PANEL NAME, LOAD TYPE).
2. GROUND TO BUILDING GROUND PER NEC 250.
3. UTILITY COMPANY SECONDARY CONDUCTORS IN A 15-WAY CONCRETE ENCASED DUCTBANK WITH 4' CONDUITS. CONFIRM EXACT CONFIGURATION OF DUCTBANK, QUANTITY AND SIZE OF CONDUCTORS, WITH THE UTILITY COMPANY, PRIOR TO ROUGH-IN & INSTALLATION.
4. INSTALL CONDUCTORS INDICATED IN THE FEEDER SCHEDULE IN 4" CONDUITS. FEEDERS FOR THIS PANEL SHALL BE ROUTED BELOW GRADE & UNDER THE BUILDING. REFER TO FOUNDATION PLANS (E1.5 & E1.6) FOR ADDITIONAL INFORMATION.

NOTES:

1. ELECTRICAL CONTRACTOR TO VERIFY CONDUIT SIZE REQUIRED IF WIRE TYPES OTHER THAN THOSE LISTED ABOVE ARE USED.
2. FEEDER SIZES BASED ON TABLE 310.16, 75° C.
3. SIZES ADJUSTED PER NEC 110.14.

kVA	TYPE	PRIMARY	SECONDARY	COPPER PRIMARY FEEDER	COPPER SECONDARY FEEDER	BONDING CONDUCTOR
15 kVA	LINEAR	460V/30	208Y/120V	3#10, #10 G, 3/4" C.	4#4, #8 G, 1" C.	#8
30 kVA	LINEAR	460V/30	208Y/120V	3#6, #10 G, 3/4" C.	#1, #6 G, 1-1/2" C.	#6
45 kVA	LINEAR	460V/30	208Y/120V	3#4, #8 G, 1-1/4" C.	4#10, #6 G, 2" C.	#6
75 kVA	LINEAR	460V/30	208Y/120V	3#1, #6 G, 1-1/2" C.	4-250CMC, #2 G, 2-1/2" C.	#2
112.5 kVA	LINEAR	460V/30	208Y/120V	3#20, #6 G, 2" C.	4-600CMC, #10 G, 4" C.	#10
150 kVA	LINEAR	460V/30	208Y/120V	3#40, #4 G, 2-1/2" C.	(2 SETS) 4-250CMC, #30 G, 2-1/2" C.	#3/0
225 kVA	LINEAR	460V/30	208Y/120V	(2 SETS) 3#40, #3 G, 2" C.	(2 SETS) 4-600CMC, #30 G, 4" C.	#3/0
300 kVA	LINEAR	460V/30	208Y/120V	(2 SETS) 3#40, #2 G, 2-1/2" C.	(2 SETS) 4-600CMC, #30 G, 4" C.	#3/0
500 kVA	LINEAR	460V/30	208Y/120V	(2 SETS) 3-600CMC, #30 G, 4" C.	(5 SETS) 4-600CMC, 250CMC G, 4" C.	#3/0



NO SCALE