

Chick-Fil-A Load

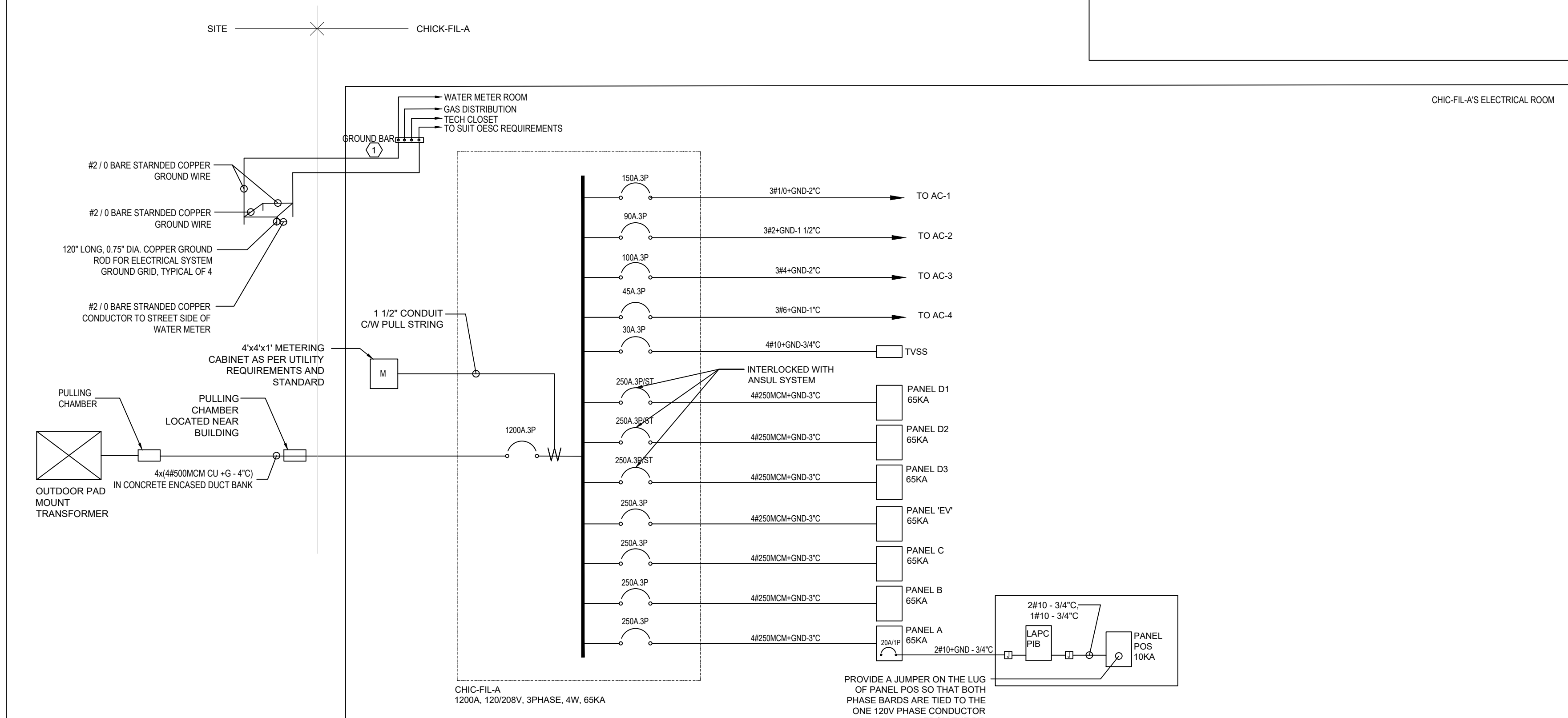
Equipment	Diversity factor	Quantity	100% Connected Load (kw)	demand load	comments
Order Register	-	1	1	-	
Receipt Printer	-	5	1	-	
Label printer	-	3	0.5	-	
order monitor	-	6	0.06	-	
iPAD	-	-	0.12	-	
timer	-	-	0.12	-	
Drive thru video monitor	-	-	0.1	-	
Fly system	-	7	0.03	-	
anul fire suppresion	-	-	0.6	-	
milkshake base dispenser	-	-	0.48	-	
double barrill ice cream machine	-	2	24.5	-	
tea brewer	-	2	3.3	-	
single coffee maker	-	-	4	-	
Lemonade bubbler	-	-	3	-	
beverage dispenser	-	-	1.2	-	
turbo carbonator	-	-	0.744	-	
dishwasher	-	-	19.339	-	
ice machine	-	-	0.6	-	
ice bin sanitation system	-	-	0.0096	-	
ice machine condensing unit	-	-	3.1	-	
ice machine condensing unit	-	-	3.6	-	
ice machine	-	-	0.368	-	
walk-in freezer	-	-	0.4	-	
walk-in freezer condenser	-	-	5.872	-	
walk-in freezer evaporator	-	-	0.312	-	
single refrigerator	-	-	1.692	-	
double refrigerator	-	-	0.756	-	
refrigerated equipment stand	-	-	0.8	-	
double refrigerated work table	-	2	15.12	-	
42" cool rail	-	-	0.8	-	
ice bath breading table	-	-	0.24	-	
salad prep table	-	-	1.08	-	
single upright refrigerator	-	2	1.92	-	
double thawing cabinet	-	-	5.76	-	
walk-in cooler	-	-	0.288	-	
walk-in cooler condenser	-	-	3.422	-	
walk-in cooler evaporator	-	-	0.208	-	
blast chiller	-	-	1.84	-	
vertical contact toaster	-	-	1.8	-	
radiant toaster	-	-	5.5	-	
egg station	-	3	5	-	
vector oven	-	2	8	-	
single open fryer	-	2	22	-	
double open fryer	-	1	44	-	
pressure fryer	-	7	15	-	
fry holding station	-	2	3.8	-	
dual side clamshell grill	-	2	3.3	-	
high density hot holding tower	-	-	1.8	-	
double tier sandwich slide	-	-	1.09	-	
single tier sandwich slide	-	-	0.548	-	
visual hot holding cabinet	-	-	0.66	-	
food cooler/warmer	-	-	1.2	-	
visual hot holding cabinet	-	-	1.92	-	
rethermalizer	-	-	8	-	
mixer	-	-	0.96	-	
counter top electrical salad spinner	-	-	0.2	-	
countertop lemon juicer	-	-	0.2	-	
cardboard baler	-	-	1.8	-	
digital menu board	-	-	1	-	
Total kitchen	0.65		134.3506	87.32789	
Total Kitchen Hood Equipment	0.65		85.12	84.8	
RTU1	0.6		34	20.4	
RTU2	0.6		34	20.4	
RTU3	0.6		31	18.6	
other mech equipment	1		15	15	
EV Chargers	1		60	60	
lighting	1		7	7	
misc. power	1		3	3	
Total			403.1506	286.84789	
Service @ 208V			796.233484	1200A	

KEY NOTES

- PROVIDE #20 BARE PERIMETER GROUND IN ELECTRICAL ROOM. INCLUDE #3 AWG BOND FROM PERIMETER GROUND TO EACH METAL EQUIPMENT LOCATED WITHIN ROOM INCLUDING DUCTS AND DOOR FRAMES.
- ALL GROUND CONNECTIONS TO BE HIGH PRESSED CONNECTIONS.
- L.S. I SETTING TO BE INDEPENDENTLY ADJUSTABLE.

NOTES:

- ELECTRICAL CONTRACTOR TO ALLOW FOR BREAKER SWAP IN THE MAIN DISTRIBUTION BOARD AND RETURN ANY EXTRA BREAKERS BACK TO SUPPLIER.



6 LOAD SUMMARY
E502 N.T.S.

1 ELECTRICAL SINGLE LINE DIAGRAM
E502 N.T.S.

NOTE:
PRIMARY DUCTS TO LATEST AHJ AND UTILITIES STANDARDS AND REQUIREMENTS

