

CIRCUIT NO.	LOAD DESIGNATION	VOLT. 480/277V	WIRE SIZE	PHASE	REMARKS
1	FUTURE RETAIL TENANT	225A	3	3P	SPACE
2	FUTURE RETAIL TENANT	225A	3	3P	SPACE
3	SPACE	100A	3	3P	SPACE
4	SPACE	100A	3	3P	SPACE
5	SPACE	100A	3	3P	SPACE
6	SPACE	100A	3	3P	SPACE
7	SPACE	100A	3	3P	SPACE
8	SPACE	100A	3	3P	SPACE
9	SPACE	100A	3	3P	SPACE
10	SPACE	100A	3	3P	SPACE

NOTES:
 1. PROVIDE LUGS TO ACCOMMODATE FEEDER SIZES AS IDENTIFIED ON THE RISER DIAGRAM FOR EACH FEEDER.
 2. NOTES 1-7 ARE OPTIONS WHICH SHALL BE SPECIFICALLY NOTED IN REMARKS FOR INCLUSION.
 3. PROVIDE WITH 200% NEUTRAL.
 4. PROVIDE WITH FEED THRU LUGS.
 5. PROVIDE WITH 200% NEUTRAL.
 6. PROVIDE SHUNT TRIP AUXILIARY ATTACHMENT TO THE CIRCUIT BREAKER.
 7. PROVIDE TRANSIENT VOLTAGE SURGE SUPPRESSION, REFER TO SPECIFICATIONS FOR CLAS.
 8. "SPACE" SHALL CONSTITUTE ALL REQUIRED BUS, SUPPORTS AND HARDWARE NECESSARY TO INSTALL THE PROTECTIVE DEVICE UP TO THE FRAME LIMITATION INDICATED.

CIRCUIT NO.	LOAD DESIGNATION	VOLT. 480/277V	WIRE SIZE	PHASE	REMARKS
1	UTILITY COMPANY PAD MOUNTED TRANSFORMER	400A	4	3P	SPACE
2	UTILITY COMPANY PAD MOUNTED TRANSFORMER	400A	4	3P	SPACE
3	UTILITY COMPANY PAD MOUNTED TRANSFORMER	400A	4	3P	SPACE
4	UTILITY COMPANY PAD MOUNTED TRANSFORMER	400A	4	3P	SPACE
5	UTILITY COMPANY PAD MOUNTED TRANSFORMER	400A	4	3P	SPACE
6	UTILITY COMPANY PAD MOUNTED TRANSFORMER	400A	4	3P	SPACE
7	UTILITY COMPANY PAD MOUNTED TRANSFORMER	400A	4	3P	SPACE
8	UTILITY COMPANY PAD MOUNTED TRANSFORMER	400A	4	3P	SPACE
9	UTILITY COMPANY PAD MOUNTED TRANSFORMER	400A	4	3P	SPACE
10	UTILITY COMPANY PAD MOUNTED TRANSFORMER	400A	4	3P	SPACE

NOTES:
 1. PROVIDE LUGS TO ACCOMMODATE FEEDER SIZES AS IDENTIFIED ON THE RISER DIAGRAM FOR EACH FEEDER.
 2. NOTES 1-7 ARE OPTIONS WHICH SHALL BE SPECIFICALLY NOTED IN REMARKS FOR INCLUSION.
 3. PROVIDE WITH FEED THRU LUGS.
 4. PROVIDE WITH 200% NEUTRAL.
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 6. PROVIDE SHUNT TRIP AUXILIARY ATTACHMENT TO THE CIRCUIT BREAKER.
 7. PROVIDE TRANSIENT VOLTAGE SURGE SUPPRESSION, REFER TO SPECIFICATIONS FOR CLAS.
 8. "SPACE" SHALL CONSTITUTE ALL REQUIRED BUS, SUPPORTS AND HARDWARE NECESSARY TO INSTALL THE PROTECTIVE DEVICE UP TO THE FRAME LIMITATION INDICATED.

FEEDER SYMBOL	FEEDER SIZE (3 WIRES) WITH GROUND	FEEDER SIZE (4 WIRES) WITH GROUND	CONDUCTOR SIZE (3 WIRES)	CONDUCTOR SIZE (4 WIRES)	CONDUCTOR SIZE (3 WIRES) WITH GROUND	CONDUCTOR SIZE (4 WIRES) WITH GROUND	NOMINAL AMPERE RATING
1	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
2	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
3	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
4	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
5	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
6	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
7	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
8	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
9	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
10	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
11	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
12	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
13	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
14	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
15	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
16	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
17	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
18	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
19	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
20	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
21	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
22	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
23	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
24	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
25	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
26	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
27	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
28	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
29	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
30	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
31	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
32	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
33	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
34	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
35	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70
36	3/4" & 1/2"	3/4" & 1/2"	3/4"	1/2"	3/4"	1/2"	70

RATED KVA	PHASE	TH1	TH2	TH3	TH4
9	3	15	30	30	45
11	3	18	36	36	54
15	3	22.5	45	45	67.5
20	3	30	60	60	90
25	3	37.5	75	75	112.5
30	3	45	90	90	135
35	3	52.5	105	105	157.5
40	3	60	120	120	180
45	3	67.5	135	135	202.5
50	3	75	150	150	225
55	3	82.5	165	165	247.5
60	3	90	180	180	270
65	3	97.5	195	195	292.5
70	3	105	210	210	315
75	3	112.5	225	225	337.5
80	3	120	240	240	360
85	3	127.5	255	255	382.5
90	3	135	270	270	405
95	3	142.5	285	285	427.5
100	3	150	300	300	450
105	3	157.5	315	315	472.5
110	3	165	330	330	495
115	3	172.5	345	345	517.5
120	3	180	360	360	540
125	3	187.5	375	375	562.5
130	3	195	390	390	585
135	3	202.5	405	405	607.5
140	3	210	420	420	630
145	3	217.5	435	435	652.5
150	3	225	450	450	675
155	3	232.5	465	465	697.5
160	3	240	480	480	720
165	3	247.5	495	495	742.5
170	3	255	510	510	765
175	3	262.5	525	525	787.5
180	3	270	540	540	810
185	3	277.5	555	555	832.5
190	3	285	570	570	855
195	3	292.5	585	585	877.5
200	3	300	600	600	900
205	3	307.5	615	615	922.5
210	3	315	630	630	945
215	3	322.5	645	645	967.5
220	3	330	660	660	990
225	3	337.5	675	675	1012.5
230	3	345	690	690	1035
235	3	352.5	705	705	1057.5
240	3	360	720	720	1080
245	3	367.5	735	735	1102.5
250	3	375	750	750	1125
255	3	382.5	765	765	1147.5
260	3	390	780	780	1170
265	3	397.5	795	795	1192.5
270	3	405	810	810	1215
275	3	412.5	825	825	1237.5
280	3	420	840	840	1260
285	3	427.5	855	855	1282.5
290	3	435	870	870	1305
295	3	442.5	885	885	1327.5
300	3	450	900	900	1350
305	3	457.5	915	915	1372.5
310	3	465	930	930	1395
315	3	472.5	945	945	1417.5
320	3	480	960	960	1440
325	3	487.5	975	975	1462.5
330	3	495	990	990	1485
335	3	502.5	1005	1005	1507.5
340	3	510	1020	1020	1530
345	3	517.5	1035	1035	1552.5
350	3	525	1050	1050	1575
355	3	532.5	1065	1065	1597.5
360	3	540	1080	1080	1620
365	3	547.5	1095	1095	1642.5
370	3	555	1110	1110	1665
375	3	562.5	1125	1125	1687.5
380	3	570	1140	1140	1710
385	3	577.5	1155	1155	1732.5
390	3	585	1170	1170	1755
395	3	592.5	1185	1185	1777.5
400	3	600	1200	1200	1800
405	3	607.5	1215	1215	1822.5
410	3	615	1230	1230	1845
415	3	622.5	1245	1245	1867.5
420	3	630	1260	1260	1890
425	3	637.5	1275	1275	1912.5
430	3	645	1290	1290	1935
435	3	652.5	1305	1305	1957.5
440	3	660	1320	1320	1980
445	3	667.5	1335	1335	2002.5
450	3	675	1350	1350	2025
455	3	682.5	1365	1365	2047.5
460	3	690	1380	1380	2070
465	3	697.5	1395	1395	2092.5
470	3	705	1410	1410	2115
475	3	712.5	1425	1425	2137.5
480	3	720	1440	1440	2160
485	3	727.5	1455	1455	2182.5
490	3	735	1470	1470	2205
495	3	742.5	1485	1485	2227.5
500	3	750	1500	1500	2250

NOTES:
 1. CONDUCTOR SIZES ARE THE MINIMUM ALLOWED BASED UPON NEC TABLE 310.16 WITH NO GREATER THAN THREE CURRENT CARRYING CONDUCTORS PER RACEWAY IN AN AMBIENT NOT TO EXCEED 30 DEGREES C.
 2. RACEWAY TYPES TO LIMIT RACEWAY FILL TO LESS THAN 40%.
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