

PANEL DESIGNATION: QC-20-A	LOCATION: 20 DUNNIGAN QUICK CHARGERS					REMARKS:		
	SERVICE:	480Y/277 V	3 PHASE, 4 WIRE					
	MAIN BUS RATING:	400 AMPS			NEUTRAL BUS: 100% GROUNDING: EQUIPMENT GROUND BUS: YES ISOLATED GROUND BUS: NO			
	MAIN CIRCUIT BREAKER:	400 AMPS						
	SCC RATING (SYM):	14 k A.I.C.						
		MOUNTINGS:	SURFACE MOUNTED					
SERVICE TO:	TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:
QUICK CHARGER #1	60A	1	23833			2		QUICK CHARGER #2
		3		23833		4	60A	
		5			23833	6		
QUICK CHARGER #3	60A	7	23833			8		QUICK CHARGER #4
		9		23833		10	60A	
		11			23833	12		
QUICK CHARGER #5	60A	13	23833			14		QUICK CHARGER #6
		15		23833		16	60A	
		17			23833	18		
QUICK CHARGER #7	60A	19	23833			20		QUICK CHARGER #8
		21		23833		22	60A	
		23			23833	24		
QUICK CHARGER #9	60A	25	23833			26		QUICK CHARGER #10
		27		23833		28	60A	
		29			23833	30		
QUICK CHARGER #11	60A	31	23833			32		QUICK CHARGER #12
		33		23833		34	60A	
		35			23833	36		
QUICK CHARGER #13	60A	37	23833			38		QUICK CHARGER #14
		39		23833		40	60A	
		41			23833	42		
TOTAL CONNECTED LOAD PER PHASE (kVA)			166.83	166.83	166.83			
TOTAL CONNECTED LOAD			500.49 KVA			602.0 A		
TOTAL DEMAND LOAD			250.25 KVA			301.0 A		

NOTE: ONLY 50% OF THE QUICK CHARGERS SHALL BE UTILIZED AT ANY GIVEN TIME.

PANEL DESIGNATION: QC-20-B	LOCATION: 20 DUNNIGAN QUICK CHARGERS					REMARKS:				
	SERVICE: 480Y/277 V		3 PHASE, 4 WIRE							
	MAIN BUS RATING: 400 AMPS		NEUTRAL BUS: 100%							
	MAIN CIRCUIT BREAKER: 400 AMPS									
	SCC RATING (SYM): 14 k A.I.C.		GROUNDING: EQUIPMENT GROUND BUS: YES ISOLATED GROUND BUS: NO							
	MOUNTING: SURFACE MOUNTED									
SERVICE TO:		TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:	
QUICK CHARGER #15	60A	1	23833				2		60A	QUICK CHARGER #16
		3		23833			4			
		5				23833	6			
QUICK CHARGER #17	60A	7	23833				8		60A	QUICK CHARGER #18
		9		23833			10			
		11				23833	12			
QUICK CHARGER #19	60A	13	23833				14		60A	QUICK CHARGER #20
		15		23833			16			
		17				23833	18			
QUICK CHARGER #21	60A	19	23833				20		60A	QUICK CHARGER #22
		21		23833			22			
		23				23833	24			
QUICK CHARGER #23	60A	25	23833				26		60A	QUICK CHARGER #24
		27		23833			28			
		29				23833	30			
QUICK CHARGER #25	60A	31	23833				32		60A	QUICK CHARGER #26
		33		23833			34			
		35				23833	36			
QUICK CHARGER #27	60A	37	23833				38		60A	QUICK CHARGER #28
		39		23833			40			
		41				23833	42			
TOTAL CONNECTED LOAD PER PHASE (kVA)			166.83	166.83	166.83					
TOTAL CONNECTED LOAD			500.49 KVA			602.0 A				
TOTAL DEMAND LOAD			250.25 KVA			301.0 A				

NOTE: ONLY 50% OF THE QUICK CHARGERS SHALL BE UTILIZED AT ANY GIVEN TIME.

PANEL DESIGNATION: QC-20-C	LOCATION: 20 DUNNIGAN QUICK CHARGERS					REMARKS:			
	SERVICE:	480Y/277 V	3 PHASE, 4 WIRE						
	MAIN BUS RATING:	400 AMPS			NEUTRAL BUS:	100%			
	MAIN CIRCUIT BREAKER:	400 AMPS			GROUNDING:	EQUIPMENT GROUND BUS: YES ISOLATED GROUND BUS: NO			
	SCC RATING (SYM):	14 k A.I.C.							
			MOUNTING:	SURFACE MOUNTED					
SERVICE TO:		TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:
QUICK CHARGER #29	60A	1	23833				2		QUICK CHARGER #30
		3		23833			4	60A	
		5			23833		6		
QUICK CHARGER #31	60A	7	23833				8		QUICK CHARGER #32
		9		23833			10	60A	
		11			23833		12		
QUICK CHARGER #33	60A	13	23833				14		QUICK CHARGER #34
		15		23833			16	60A	
		17			23833		18		
QUICK CHARGER #35	60A	19	23833				20		QUICK CHARGER #36
		21		23833			22	60A	
		23			23833		24		
QUICK CHARGER #37	60A	25	23833				26		QUICK CHARGER #38
		27		23833			28	60A	
		29			23833		30		
QUICK CHARGER #39	60A	31	23833				32		QUICK CHARGER #40
		33		23833			34	60A	
		35			23833		36		
QUICK CHARGER #41	60A	37	23833				38		QUICK CHARGER #42
		39		23833			40	60A	
		41			23833		42		
TOTAL CONNECTED LOAD PER PHASE (KVA)			166.83	166.83	166.83				
TOTAL CONNECTED LOAD				500.49 KVA		602.0 A			
TOTAL DEMAND LOAD				250.25 KVA		301.0 A			

NOTE: ONLY 50% OF THE QUICK CHARGERS SHALL BE UTILIZED AT ANY GIVEN TIME.

PANEL DESIGNATION: QC-20-D	LOCATION: 20 DUNNIGAN QUICK CHARGERS					REMARKS:			
	SERVICE:	480Y/277 V 3 PHASE, 4 WIRE							
	MAIN BUS RATING:		400 AMPS			NEUTRAL BUS: 100% GROUNDING: EQUIPMENT GROUND BUS: YES ISOLATED GROUND BUS: NO			
	MAIN CIRCUIT BREAKER:		400 AMPS						
	SCC RATING (SYM):		144 A.I.C.						
		MOUNTING:		SURFACE MOUNTED					
SERVICE TO:		TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:
QUICK CHARGER #43	60A	1	23833				2		QUICK CHARGER #44
		3		23833			4	60A	
		5				23833	6		
QUICK CHARGER #45	60A	7	23833				8		QUICK CHARGER #46
		9		23833			10	60A	
		11				23833	12		
QUICK CHARGER #47	60A	13	23833				14		QUICK CHARGER #48
		15		23833			16	60A	
		17				23833	18		
QUICK CHARGER #49	60A	19	23833				20		QUICK CHARGER #50
		21		23833			22	60A	
		23				23833	24		
QUICK CHARGER #51	60A	25	23833				26		QUICK CHARGER #52
		27		23833			28	60A	
		29				23833	30		
QUICK CHARGER #53	60A	31	23833				32		QUICK CHARGER #54
		33		23833			34	60A	
		35				23833	36		
QUICK CHARGER #55	60A	37	11917				38	20A	SPARE
		39			11917		40	20A	SPARE
		41				11917	42	20A	SPARE
TOTAL CONNECTED LOAD PER PHASE (kVA)			154.91	154.91	154.91				
TOTAL CONNECTED LOAD				464.74 KVA		559.0 A			
TOTAL DEMAND LOAD				232.37 KVA		279.5 A			

NOTE: ONLY 50% OF THE QUICK CHARGERS SHALL BE UTILIZED AT ANY GIVEN TIME.

PANEL DESIGNATION: PP-20A	LOCATION: 20 DUNNIGAN					REMARKS:		
	SERVICE:	480Y/277 V	3 PHASE, 4 WIRE					
	MAIN BUS RATING:		400 AMPS			NEUTRAL BUS: 100% GROUNDING: EQUIPMENT GROUND BUS: YES ISOLATED GROUND BUS: NO		
	MAIN CIRCUIT BREAKER:		400 AMPS					
	SCC RATING (SYM):		22 k A.I.C.					
	MOUNTING:		SURFACE MOUNTED					
SERVICE TO:	TRIP	NO.	A	B	C	NO.	TRIP	SERVICE TO:
THERMOCYCLER 'TRG-Z'	15A	1	2117			2		PANEL 'LP-DOOR-B' VIA XFMR 'T-DOOR-B'
		3		2136		4	60A	
		5			2130	6		
THERMOCYCLER 'TRA-Z'	15A	7	2106			8	20A	SPARE
		9		2106		10	20A	SPARE
		11			2106	12	20A	SPARE
THERMOCYCLER 'TMI-Z'	15A	13	582			14	20A	SPARE
		15		582		16	20A	SPARE
		17			582	18	20A	SPARE
SPARE	20A	19	0			20	20A	SPARE
SPARE	20A	21		0		22	20A	SPARE
SPARE	20A	23			0	24	20A	SPARE
SPARE	20A	25	0			26	20A	SPARE
SPARE	20A	27		0		28	20A	SPARE
SPARE	20A	29			0	30	20A	SPARE
SPARE	20A	31	0			32	20A	SPARE
SPARE	20A	33		0		34	20A	SPARE
SPARE	20A	35			0	36	20A	SPARE
SPARE	20A	37	0			38	20A	SPARE
SPARE	20A	39		0		40	20A	SPARE
SPARE	20A	41			0	42	20A	SPARE
TOTAL CONNECTED LOAD PER PHASE (KVA)			4.81	4.82	4.82			
TOTAL CONNECTED LOAD			14.45 KVA			17.4 A		
TOTAL DEMAND LOAD			14.43 KVA			17.4 A		