

PANEL: 2050		DC DEVICE TYPE: Breaker		ENCLOSURE: NEMA 1		MAINS(A): MLD		CONTINUOUS(A): 200								
LOCATION: Common Corridor		DEVICE FAMILY: Bolt On		MOUNTING: Flush		WIRING: Single-Phase 3-Wire		BUS SC RATING(A): 10000								
FED FROM: B42-Bus				VOLTAGE: 240/120				FAULT CURRENT(A): 0								
DC AMPS	P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE A	LOADS B	VA C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	DC AMPS	P
20	1	DEDICATED RECE	NORTH ISLAND	LABORAT	768	1	1078			2	360	GENRAL	LARGE OFFICE	SHARED RECEPTA	20	1
20	1	DEDICATED RECE	NORTH ISLAND	LABORAT	768	3		1078		4	360	GENRAL	LARGE OFFICE	SHARED RECEPTA	20	1
20	1	DEDICATED RECE	NORTH ISLAND	LABORAT	768	5				6	360	GENRAL	LARGE OFFICE	SHARED RECEPTA	20	1
20	1	DEDICATED RECE	NORTH ISLAND	LABORAT	768	7		1078		8	360	GENRAL	LARGE OFFICE	SHARED RECEPTA	20	1
20	1	DEDICATED RECE	NORTH ISLAND	LABORAT	768	9				10	360	GENRAL	LARGE OFFICE	SHARED RECEPTA	20	1
20	1	DEDICATED RECE	NORTH ISLAND	LABORAT	768	11		1078		12	360	GENRAL	LARGE OFFICE	SHARED RECEPTA	20	1
20	1	SHARED RECEPTA	NORTH ISLAND	GENRAL	540	13		1080		14	540	GENRAL	OFFICE/ENTRY	SHARED RECEPTA	20	1
20	1	SHARED RECEPTA	NORTH ISLAND	GENRAL	540	15			900	16	360	GENRAL	SMALL OFFICE	SHARED RECEPTA	20	1
20	1	SHARED RECEPTA	NORTH ISLAND	GENRAL	540	17		1080		18	540	GENRAL	OFFICE/ENTRY	SHARED RECEPTA	20	1
20	1	SHARED RECEPTA	NORTH ISLAND	GENRAL	540	19			968	20	480	LABORAT	FUME HOOD	LAB. NORTH WALL	20	1
20	1	SHARED RECEPTA	NORTH ISLAND	GENRAL	540	21		900		22	360	GENRAL	FUME HOOD PLUG	LAB. NORTH WALL	20	1
20	1	SHARED RECEPTA	NORTH ISLAND	GENRAL	540	23			703	24	192	LABORAT	FAN COIL CONTROL	CEILING MOUNTED	20	1
30	2	NEMA L6-30, 1/2"	NORTH ISLAND	UPS	4800	25		2940		26	540	GENRAL	LAB. NORTH WALL	SHARED RECEPTA	20	1
					-	27			3049	28	768	LABORAT	LAB. NORTH WALL	DEDICATED RECEPTA	20	1
20	1	DEDICATED RECE	EAST WALL	LABORAT	768	29		1536		30	768	LABORAT	LAB. NORTH WALL	DEDICATED RECEPTA	20	1
20	1	DEDICATED RECE	EAST WALL	LABORAT	768	31			1243	32	540	GENRAL	LAB. NORTH WALL	SHARED RECEPTA	20	1
20	1	DEDICATED RECE	EAST WALL	LABORAT	768	33		1536		34	768	LABORAT	LAB. NORTH WALL	DEDICATED RECEPTA	20	1
20	1	SHARED RECEPTA	EAST WALL	GENRAL	360	35			2760	36	4800	UPS	LAB. NORTH WALL	NEMA L6-30, 1/2"	30	2
20	1		SPARE	SPARE	0	37		2400		38	-					
20	2	CEILING HARDWI	FAN COIL& PUMP	LABORAT	1200	39			3000	40	4800	UPS	LAB. NORTH WALL	NEMA L6-30, 1/2"	30	2
					-	41		3000		42	-					
ALL CONNECTED		KVA	MAX PH AMPS	* PHASE	TOTALS		VA	AMPS	BUS TOTALS		KVA					
TOTAL CONNECTED		34.13	148.8	* A-N			17856.0	148.8	CONNECTED		34.13					
TOTAL DEMAND		24.05	104.2	* B-N			16272.0	135.6	DEMAND		24.05					
TOTAL DESIGN		24.05	104.2	* C-N			0.0	0.0	DESIGN		24.05					

GENERAL NOTES:

1. PROVIDE JUNCTION BOXES INSIDE CEILING FOR POWER AND DATA DISTRIBUTION FOR EACH ISLAND BENCH INSIDE THE VERTICAL CHASE. SERVICE FOR ISLAND BENCHES MUST RUN THROUGH VERTICAL CHASE.
2. ELECTRICAL DISTRIBUTION SYSTEM IS SINGLE PHASE 240-120V 3 WIRE SYSTEM.
3. ELECTRICAL PANEL INSTALLATION REQUIRES SCHEDULED POWER SHUTDOWN IN THE BUILDING AFTER REGULAR HOURS.
4. EXISTING PANEL TUBS MUST REMAIN. CONTRACTOR IS RESPONSIBLE TO RETROFIT THE PANEL BOARDS WITH THE NEW CHASSIS. BOTTOM ENTRANCE CABLE IS REQUIRED.
5. CONTRACTOR IS RESPONSIBLE TO PROVIDE LABEL FOR RECEPTACLES AND JUNCTION BOXES TO MATCH THE EXISTING BUILDING STANDARD.
6. ALL RACEWAY HEIGHTS ARE TAKEN FROM THE TOP OF THE FINISHED FLOOR TO THE CENTER OF THE RACEWAY.
7. ALL INDIVIDUAL RECEPTACLE HEIGHTS ARE TAKEN FROM THE TOP OF THE FINISHED FLOOR TO THE CENTER OF EACH BACK BOX.
8. PROVIDE STAINLESS STEEL FACEPLATE FOR SWITCHES AND NON-RACEWAY RECEPTACLES.
9. ALL CIRCUITS MUST HAVE SEPARATE NEUTRAL, MINIMUM WIRE SIZE FOR REGULAR RECEPTACLE HOT AND NEUTRAL SHALL BE:
#12AWG FOR RUNS UP TO 21M
#10AWG FOR RUNS IN EXCESS OF 21M

NOTE: ALL SPECIAL 240V RECEPTACLES TO HAVE #10AWG WIRE.
10. ALL RECEPTACLES LABELED " U.C." ARE TO BE MOUNTED AT 300mm AFF. ALL RECEPTACLES LABELED " O.C." ARE TO BE MOUNTED AT 1125mm AFF.
11. CIRCUIT LEGEND:
S: SHARED (UP TO 3)
D: DEDICATED
N: NEMA L6-30, 208V
12. CONTRACTOR MUST ALLOW FOR WIRING AND INSTALLING RECEPTACLES ON THE CASEWORKS. CASEWORK SYSTEM IS NOT SHIPPED PRE-WIRED.

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LOCATION: Common Corridor		DEVICE FAMILY: Bolt On				MOUNTING: Flush				WIRING: Single-Phase 3-Wire				BUS SC RATING(A): 10000		
FED FROM: B42-Bus						VOLTAGE: 240/120								FAULT CURRENT(A): 0		
DC AMPS	P	NOTES	DESCRIPTION	DEMAND CODE	VA	CKT	PHASE A	LOADS B	VA C	CKT	VA	DEMAND CODE	DESCRIPTION	NOTES	DC AMPS	P
20	1	DEDICATED RECE	CENTER ISLAND	LABORAT	768	1	1536			2	768	LABORAT	SOUTH ISLAND	DEDICATED RECE	20	1
20	1	DEDICATED RECE	CENTER ISLAND	LABORAT	768	3		1536		4	768	LABORAT	SOUTH ISLAND	DEDICATED RECE	20	1
20	1	DEDICATED RECE	CENTER ISLAND	LABORAT	768	5				6	768	LABORAT	SOUTH ISLAND	DEDICATED RECE	20	1
20	1	DEDICATED RECE	CENTER ISLAND	LABORAT	768	7		1536		8	768	LABORAT	SOUTH ISLAND	DEDICATED RECE	20	1
20	1	DEDICATED RECE	CENTER ISLAND	LABORAT	768	9				10	768	LABORAT	SOUTH ISLAND	DEDICATED RECE	20	1
20	1	DEDICATED RECE	CENTER ISLAND	LABORAT	768	11		1536		12	768	LABORAT	SOUTH ISLAND	DEDICATED RECE	20	1
20	1	DEDICATED RECE	CENTER ISLAND	LABORAT	768	13				14	768	LABORAT	SOUTH ISLAND	DEDICATED RECE	20	1
20	1	DEDICATED RECE	CENTER ISLAND	LABORAT	768	15		1536		16	768	LABORAT	SOUTH ISLAND	DEDICATED RECE	20	1
20	1	SHARED RECEPTA	CENTER ISLAND	GENRAL	540	17		1243		18	768	LABORAT	SOUTH ISLAND	DEDICATED RECE	20	1
20	1	SHARED RECEPTA	CENTER ISLAND	GENRAL	540	19			1080	20	540	GENRAL	SOUTH ISLAND	SHARED RECEPTA	20	1
20	1	SHARED RECEPTA	CENTER ISLAND	GENRAL	540	21		1080		22	540	GENRAL	SOUTH ISLAND	SHARED RECEPTA	20	1
20	1	SHARED RECEPTA	CENTER ISLAND	GENRAL	540	23			1080	24	540	GENRAL	SOUTH ISLAND	SHARED RECEPTA	20	1
20	1	SHARED RECEPTA	CENTER ISLAND	GENRAL	540	25		1080		26	540	GENRAL	SOUTH ISLAND	SHARED RECEPTA	20	1
20	1	SHARED RECEPTA	CENTER ISLAND	GENRAL	540	27			1080	28	540	GENRAL	SOUTH ISLAND	SHARED RECEPTA	20	1
20	1	SHARED RECEPTA	CENTER ISLAND	GENRAL	540	29		1080		30	540	GENRAL	SOUTH ISLAND	SHARED RECEPTA	20	1
20	1	SHARED RECEPTA	CENTER ISLAND	GENRAL	540	31			1080	32	540	GENRAL	SOUTH ISLAND	SHARED RECEPTA	20	1
30	2	NEMA L6-30, 1/2"	CENTER ISLAND	UPS	4800	33		2940		34	540	GENRAL	SOUTH ISLAND	SHARED RECEPTA	20	1
					-	35			4800	36	4800	UPS	SOUTH ISLAND	NEMA L6-30, 1/2"	30	2
30	2	NEMA L6-30, 1/2"	CENTER ISLAND	UPS	4800	37		4800		38	-					
					-	39			2400	40	0	SPARE	SPARE 1P		20	1
20	1		SPARE 1P	SPARE	0	41		1500		42	1500	LIGHTIN	LIGHTING ZONE B		20	1
ALL CONNECTED		KVA	MAX PH AMPS	* PHASE		TOTALS		VA	AMPS	BUS TOTALS		KVA				
TOTAL CONNECTED		37.60	166.1	* A-N				19932.0	166.1	CONNECTED		37.60				
TOTAL DEMAND		26.93	120.7	* B-N				17664.0	147.2	DEMAND		26.93				
TOTAL DESIGN		27.31	123.8	* C-N				0.0	0.0	DESIGN		27.31				

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