

TYPE: DISTRIBUTION PANELBOARD MOUNTING: SURFACE  
 SERVICE: 277/480 VOLT, 3Ø, 4W **PANEL "XMDH"** AIC: 22,000  
 MAIN: 450 AMP MAIN BREAKER REMARKS: GROUND BUS

pos. no.	bkr. no.	trip	bkr. size	wire size	cd	service	LOAD V.A.			pos. no.	bkr. no.	trip	bkr. size	wire size	cd	service
							A	B	C							
1	1	20	1	12		LIGHTS-OCCUPANCY SENSORS	1500	1500	1500	2	2	20	3	12		15KVA XFMR (PANEL "XMDL")
3	3	20	1	12		LIGHTS-LOW VOLTAGE SWITCHES	2000	2000	2000	4	4	20	1	12		
5	5	20	1	12			2000	2000	2000	6	6	20	1	12		
7	7	20	1	12			2000	2000	2000	8	4	20	3	12		AHU-7 (SHP)
9	9	20	1	12			2000	2000	2000	10	10	20	1	12		
11	11	20	1	12			2000	2000	2000	12	12	20	1	12		
13	13	20	1	12			2000	2000	2000	14	6	20	3	12		AHU-8 (SHP)
15	15	20	1	12			2000	2000	2000	16	16	20	1	12		
17	17	20	1	12			2000	2000	2000	18	18	20	1	12		
19	19	20	1	12		SPARE	2000	2000	2000	20	8	250	3	2 1/2"		PANEL "XH1"
21	21	20	1	12			2000	2000	2000	22	22	20	1	12		
23	23	20	1	12			2000	2000	2000	24	24	20	1	12		
25	25	20	1	12			2000	2000	2000	26	10	100	3	3	1/4"	PANEL "XH2"
27	27	20	1	12			2000	2000	2000	28	28	20	1	12		
29	29	20	1	12			2000	2000	2000	30	30	20	1	12		
31	31	20	1	12		SPACE	2000	2000	2000	32	12	150	3	1/0	2"	PANEL "XKH"
33	33	20	1	12			2000	2000	2000	34	34	20	1	12		
35	35	20	1	12			2000	2000	2000	36	36	20	1	12		
37	37	20	1	12			2000	2000	2000	38	38	20	1	12		SPACE
39	39	20	1	12			2000	2000	2000	40	40	20	1	12		
41	41	20	1	12			2000	2000	2000	42	42	20	1	12		
connected V.A. per phase							106,632	109,242	108,922							
total amps per phase							385	394	393							

TYPE: BOLT-ON BREAKER PANELBOARD MOUNTING: SURFACE  
 SERVICE: 120/208 VOLT, 3Ø, 4W **PANEL "XMDL"** AIC: 10,000  
 MAIN: 50 AMP MAIN BREAKER REMARKS: GROUND BUS

pos. no.	bkr. no.	trip	bkr. size	wire size	cd	service	LOAD V.A.			pos. no.	bkr. no.	trip	bkr. size	wire size	cd	service
							A	B	C							
1	1	20	1	12		PARTITION POWER UNIT	1000	1000	1000	2	2	20	1	12		EMS
3	3	20	1	12		BASKETBALL GOAL	1000	1000	1000	4	4	20	1	12		
5	5	20	1	12			1000	1000	1000	6	6	20	1	12		SPARE
7	7	20	1	12		RECEPT.-INTERCOM (RM/CAF)	750	750	750	8	8	20	1	12		
9	9	20	1	12		RECEPTS.-GYMNASIUM	540	540	540	10	10	20	1	12		
11	11	20	1	12			540	540	540	12	12	20	1	12		
13	13	20	1	12		RECEPTS.-CAFETERIA	540	540	540	14	14	20	1	12		
15	15	20	1	12			892	892	892	16	16	20	1	12		SPACE
17	17	20	1	12		PARTITION POWER UNIT	1000	1000	1000	18	18	20	1	12		
19	19	20	1	12		SPARE	1000	1000	1000	20	20	20	1	12		
21	21	20	1	12			1000	1000	1000	22	22	20	1	12		
23	23	20	1	12			1000	1000	1000	24	24	20	1	12		
25	25	20	1	12			1000	1000	1000	26	26	20	1	12		
27	27	20	1	12		SPACE	1000	1000	1000	28	28	20	1	12		
29	29	20	1	12			1000	1000	1000	30	30	20	1	12		
connected V.A. per phase							3,290	3,509	2,649							
*SHUNT TRIP BREAKER total amps per phase							27	29	22							

TYPE: BOLT-ON BREAKER PANELBOARD MOUNTING: SURFACE  
 SERVICE: 277/480 VOLT, 3Ø, 4W **PANEL "XH1"** AIC: 22,000  
 MAIN: 250 AMP MLO REMARKS: GROUND BUS

pos. no.	bkr. no.	trip	bkr. size	wire size	cd	service	LOAD V.A.			pos. no.	bkr. no.	trip	bkr. size	wire size	cd	service
							A	B	C							
1	1	20	1	12		LIGHTS-OCCUPANCY SENSORS	2000	2000	2000	2	2	20	3	12		AHU-3(10HP)
3	3	20	1	12			2000	2000	2000	4	4	20	1	12		
5	5	20	1	12		LIGHTS-LOW VOLTAGE SWITCHES	2400	2400	2400	6	6	20	1	12		
7	7	20	1	12			2400	2400	2400	8	4	20	3	12		SF-4
9	9	20	1	12		NIGHT LIGHTS	2100	2100	2100	10	10	20	1	12		
11	11	20	1	12			2100	2100	2100	12	12	20	1	12		
13	13	20	3	12		VAV-3.4, 3.5 & 3.6	4000	4000	4000	14	6	20	3	12		AHU-4(3HP)
15	15	20	1	12			1300	1300	1300	16	16	20	1	12		
17	17	20	1	12			1300	1300	1300	18	18	20	1	12		
19	15	20	3	12		VAV-3.7 & 3.8	3687	3687	3687	20	8	110	3	2	1-1/4"	75KVA XFMR (PANEL "XL1")
21	21	20	1	12			3687	3687	3687	22	22	20	1	12		
23	23	20	1	12			3687	3687	3687	24	24	20	1	12		
25	17	20	1	12		SPARE	7281	7281	7281	26	10	45	3	8	3/4"	CU-1
27	19	20	1	12			7281	7281	7281	28	28	20	1	12		
29	21	20	1	12			7281	7281	7281	30	30	20	1	12		
31	23	20	1	12			500	500	500	32	12	20	3	12		TEMP. CONTROL PANEL
33	25	20	1	12			500	500	500	34	34	20	1	12		
35	35	20	1	12		SPACE	500	500	500	36	36	20	1	12		
37	37	20	1	12			500	500	500	38	38	20	1	12		SPACE
39	39	20	1	12			500	500	500	40	40	20	1	12		
41	41	20	1	12			500	500	500	42	42	20	1	12		
connected V.A. per phase							50,388	50,098	50,338							
total amps per phase							182	181	182							

TYPE: BOLT-ON BREAKER PANELBOARD MOUNTING: SURFACE  
 SERVICE: 120/208 VOLT, 3Ø, 4W **PANEL "XL1"** AIC: 10,000  
 MAIN: 250 AMP MAIN BREAKER (DOUBLE SECTION) REMARKS: GROUND BUS 250 AMP SUB-FEED LUGS

pos. no.	bkr. no.	trip	bkr. size	wire size	cd	service	LOAD V.A.			pos. no.	bkr. no.	trip	bkr. size	wire size	cd	service
							A	B	C							
1	1	20	1	12		RECEPTS.-DATA 1140	1000	1000	1000	2	2	20	1	12		RECEPTS.-ADMIN. AREA
3	3	20	1	12			1000	1000	1000	4	4	20	1	12		
5	5	20	1	12			1000	1000	1000	6	6	20	1	12		
7	7	20	1	12			1000	1000	1000	8	8	20	1	12		
9	9	30	2	10		RECEPTS.-DATA 1140	2000	2000	2000	10	10	20	1	12		
11	11	30	1	10			2000	2000	2000	12	12	20	1	12		
13	11	30	1	10		HAND DRYER	2000	2000	2000	14	14	20	1	12		
15	13	30	1	10			2000	2000	2000	16	16	20	1	12		
17	15	30	1	10			2000	2000	2000	18	18	20	1	12		
19	17	30	1	10			2000	2000	2000	20	20	20	1	12		
21	19	30	1	10			2000	2000	2000	22	22	20	1	12		
23	21	30	1	10			2000	2000	2000	24	24	20	1	12		
25	23	20	1	12		ERU-5/ECU-5	1000	1000	1000	26	26	20	1	12		
27	25	20	1	12		EMS	1000	1000	1000	28	28	20	1	12		
29	27	20	1	12			1000	1000	1000	30	30	20	1	12		
31	29	20	1	12		EF-14 & EF-15	200	200	200	32	32	20	1	12		
33	31	20	1	12		FIRE ALARM CONTROL PANEL	500	500	500	34	34	20	1	12		
35	33	20	1	12		SPARE	1000	1000	1000	36	36	20	1	12		
37	35	20	1	12			1000	1000	1000	38	38	20	1	12		
39	37	20	1	12			1000	1000	1000	40	40	20	1	12		
41	39	20	1	12			1000	1000	1000	42	42	20	1	12		
connected V.A. per phase							15,384	17,780	16,680							
total amps per phase							128	148	139							

TYPE: SERVICE: **PANEL "XL1"** AIC: 10,000  
 MAIN: (SECOND SECTION) REMARKS:

pos. no.	bkr. no.	trip	bkr. size	wire size	cd	service	LOAD V.A.			pos. no.	bkr. no.	trip	bkr. size	wire size	cd	service
							A	B	C							
43	41	20	1	12		SPARE	1000	1000	1000	44	44	20	1	12		RECEPTS.-ADMIN. AREA
45	43	20	1	12			1000	1000	1000	46	46	20	1	12		
47	45	20	1	12			1000	1000	1000	48	48	20	1	12		
49	47	20	1	12			1000	1000	1000	50	50	20	1	12		
51	49	20	1	12			1000	1000	1000	52	52	20	1	12		
53	51	20	1	12			1000	1000	1000	54	54	20	1	12		
55	53	20	1	12		SPACE	1000	1000	1000	56	56	20	1	12		
57	55	20	1	12			10									