

PANELBOARD "P1C"										LOCATION: UTILITY ROOM										225 A MAIN BUS RATING									
VOLTAGE : 208 Y/120V 3PH 4W										MOUNTING: SURFACE										MAIN LUGS ONLY									
CKT	LOAD DESCRIPTION	BRANCH CIRCUIT				WIRE SIZE	C (IN)	TRIP/POLE	PHASE	BRKR	LOAD (KVA)	LOAD DESCRIPTION	CKT	BRANCH CIRCUIT				WIRE SIZE	C (IN)	TRIP/POLE	PHASE	BRKR	LOAD (KVA)	LOAD DESCRIPTION	CKT				
		LTO	REC	MTR	HNC									OTH	LTO	REC	MTR									HNC	OTH	LTO	REC
1	PARKING LOT LIGHTING	0.42				2#12 1#12G	3/4	20/1		2011	2#12 1#12G	3/4	0.50								2#12 1#12G	3/4	0.50	MEZZ LIGHTING	2				
2	PARKING LOT LIGHTING	0.42				2#12 1#12G	3/4	20/1		2011	2#12 1#12G	3/4	0.50								2#12 1#12G	3/4	0.50	MEZZ LIGHTING	4				
3	PARKING LOT LIGHTING	0.36				2#12 1#12G	3/4	20/1		2011	2#12 1#12G	3/4	1.50								2#12 1#12G	3/4	1.50	TREASURY LIGHTING	6				
4	PARKING LOT LIGHTING	0.36				2#12 1#12G	3/4	20/1		2011	2#12 1#12G	3/4	1.50								2#12 1#12G	3/4	1.50	WORK BAY LIGHTS	8				
5	PARKING LOT LIGHTING	0.36				2#12 1#12G	3/4	20/1		2011	2#12 1#12G	3/4	1.50								2#12 1#12G	3/4	1.50	WORK BAY LIGHTS	10				
6	PARKING LOT LIGHTING	0.36				2#12 1#12G	3/4	20/1		2011	2#12 1#12G	3/4	1.50								2#12 1#12G	3/4	1.50	OFFICE AREA LIGHTS	12				
7	PARKING LOT LIGHTING	0.36				2#12 1#12G	3/4	20/1		2011	2#12 1#12G	3/4	1.50								2#12 1#12G	3/4	1.50	OFFICE AREA LIGHTS	14				
8	PARKING LOT LIGHTING	0.36				2#12 1#12G	3/4	20/1		2011	2#12 1#12G	3/4	1.50								2#12 1#12G	3/4	1.50	FIRE ALARM PANEL GLOB	16				
9	PARKING LOT LIGHTING	0.36				2#12 1#12G	3/4	20/1		2011	2#12 1#12G	3/4	1.50								2#12 1#12G	3/4	1.50	FIRE ALARM PANEL GLOB	18				
10	PARKING LOT LIGHTING	0.36				2#12 1#12G	3/4	20/1		2011	2#12 1#12G	3/4	1.50								2#12 1#12G	3/4	1.50	STOR WORKING BAY LIGHTS	20				
11	PARKING LOT LIGHTING	0.36				2#12 1#12G	3/4	20/1		2011	2#12 1#12G	3/4	1.50								2#12 1#12G	3/4	1.50	STOR WORKING BAY LIGHTS	22				
12	PARKING LOT LIGHTING	0.36				2#12 1#12G	3/4	20/1		2011	2#12 1#12G	3/4	1.50								2#12 1#12G	3/4	1.50	STOR WORKING BAY LIGHTS	24				
13	PARKING LOT LIGHTING	0.36				2#12 1#12G	3/4	20/1		2011	2#12 1#12G	3/4	1.50								2#12 1#12G	3/4	1.50	STOR WORKING BAY LIGHTS	26				
14	PARKING LOT LIGHTING	0.36				2#12 1#12G	3/4	20/1		2011	2#12 1#12G	3/4	1.50								2#12 1#12G	3/4	1.50	STOR WORKING BAY LIGHTS	28				
15	ALARM NOTIFICATION BELL	0.20				2#12 1#12G	3/4	20/1		2011	2#12 1#12G	3/4	1.00								2#12 1#12G	3/4	1.00	STOR WORKING BAY LIGHTS	30				
16	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	32				
17	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	34				
18	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	36				
19	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	38				
20	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	40				
21	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	42				
22	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	44				
23	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	46				
24	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	48				
25	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	50				
26	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	52				
27	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	54				
28	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	56				
29	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	58				
30	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	60				
31	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	62				
32	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	64				
33	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	66				
34	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	68				
35	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	70				
36	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	72				
37	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	74				
38	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	76				
39	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	78				
40	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	80				
41	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	82				
42	SPARE									20/1											2#12 1#12G	3/4	0.75	STOR WORKING BAY LIGHTS	84				

CONNECTED LOAD		KVA	AMPS
PHASE A	5.4	45	
PHASE B	5.4	45	
PHASE C	6.2	52	
TOTAL	17.0	47	

35,000 AMPS MIN. INTERRUPTING CAPACITY (RMS SYM. AMPS)

NOTES:
 A. DOOR IN DOOR CONSTRUCTION
 B. COPPER BUSES.
 C. WIRE SIZES ARE MINIMUM, INCREASE FOR VOLTAGE DROP.
 D. PROVIDE LOCKING TYPE BREAKER, IDENTIFY IN RED.
 E. LOD = LOCK ON DEVICE; COLOR BREAKER RED

CONNECTED (KVA)		DEMAND (KVA)
LIGHTING/CONTINUOUS	11.2	11.2
RECEPTACLES	0.0	0.0
MOTORS	0.0	0.0
HVAC	0.0	0.0
OTHER	5.8	0.0
KITCHEN	0.0	0.0
TOTAL DEMAND LOAD	17.0	KVA
DEMAND AMPS	47	AMPS

DISTRIBUTION PANEL "MDP"										LOCATION: MAIN ELECT. ROOM										800 A MAIN BUS RATING									
VOLTAGE : 208 Y/120V 3PH 4W										MOUNTING: SURFACE										MAIN LUGS ONLY									
CKT	LOAD DESCRIPTION	BRANCH CIRCUIT				WIRE SIZE	C (IN)	TRIP/POLE	PHASE	BRKR	LOAD (KVA)	LOAD DESCRIPTION	CKT	BRANCH CIRCUIT				WIRE SIZE	C (IN)	TRIP/POLE	PHASE	BRKR	LOAD (KVA)	LOAD DESCRIPTION	CKT				
		LTO	REC	MTR	HNC									OTH	LTO	REC	MTR									HNC	OTH	LTO	REC
1	PANEL "P1A"	0.50	0.50	0.50	0.50	2#12 1#12G	3/4	20/1		225/3	SEE POWER RISER	225/3									2#12 1#12G	3/4	0.50	SEE POWER RISER	44				
2	PANEL "P1B"	0.50	0.50	0.50	0.50	2#12 1#12G	3/4	20/1		400/3	SEE POWER RISER	400/3									2#12 1#12G	3/4	0.50	SEE POWER RISER	46				
3	PANEL "P1C"	0.50	0.50	0.50	0.50	2#12 1#12G	3/4	20/1		225/3	SEE POWER RISER	225/3									2#12 1#12G	3/4	0.50	SEE POWER RISER	48				
4	PANEL "P2"	0.50	0.50	0.50	0.50	2#12 1#12G	3/4	20/1		100/3	SEE POWER RISER	100/3									2#12 1#12G	3/4	0.50	SEE POWER RISER	50				
5	SFD	0.50	0.50	0.50	0.50	2#12 1#12G	3/4	20/1		100/3	SEE POWER RISER	100/3									2#12 1#12G	3/4	0.50	SEE POWER RISER	52				
6	ALTRG-1 PANEL "D"	0.50	0.50	0.50	0.50	2#12 1#12G	3/4	20/1		100/3	SEE POWER RISER	100/3									2#12 1#12G	3/4	0.50	SEE POWER RISER	54				
7	SPARE									400/3											2#12 1#12G	3/4	0.50		56				
8	SPARE									200/3											2#12 1#12G	3/4	0.50		58				
9	SPARE									200/3											2#12 1#12G	3/4	0.50		60				

CONNECTED LOAD		KVA	AMPS
PHASE A	83.3	684	
PHASE B	77.0	641	
PHASE C	75.7	631	
TOTAL	236.0	655	

35,000 AMPS MIN. INTERRUPTING CAPACITY (RMS SYM. AMPS)

NOTES:
 A. DOOR IN DOOR CONSTRUCTION
 B. COPPER BUSES.
 C. ELECTRONIC METERING PACKAGE
 D. GROUND FAULT PROTECTION ON MAIN DEVICE.
 E. SINGLE PHASING PROTECTION ON MAIN DEVICE.

CONNECTED (KVA)		DEMAND (KVA)
LIGHTING/CONTINUOUS	11.2	11.2
RECEPTACLES	0.0	0.0
MOTORS	0.0	0.0
HVAC	0.0	0.0
OTHER	97.1	0.0
KITCHEN	0.0	0.0
TOTAL DEMAND LOAD	231.7	KVA
DEMAND AMPS	643	AMPS

PANELBOARD "P1B" SECTION 1										LOCATION: UTILITY ROOM										400 A MAIN BUS RATING									
VOLTAGE : 208 Y/120V 3PH 4W										MOUNTING: SURFACE										MAIN LUGS ONLY									
CKT	LOAD DESCRIPTION	BRANCH CIRCUIT				WIRE SIZE	C (IN)	TRIP/POLE	PHASE	BRKR	LOAD (KVA)	LOAD DESCRIPTION	CKT	BRANCH CIRCUIT				WIRE SIZE	C (IN)	TRIP/POLE	PHASE	BRKR	LOAD (KVA)	LOAD DESCRIPTION	CKT				
		LTO	REC	MTR	HNC									OTH	LTO	REC	MTR									HNC	OTH	LTO	REC
1	UFT 1	1.80				2#12 1#12G	3/4	30/3		80/2	2#4 1#12G	1"	0.80								2#12 1#12G	3/4	0.80	WELDER OUTLET	2				
2	UFT 1	1.80				2#12 1#12G	3/4	30/3		80/2	2#4 1#12G	1"	0.80								2#12 1#12G	3/4	0.80	WELDER OUTLET	4				
3	UFT 1	1.80				2#12 1#12G	3/4	30/3		80/2	2#4 1#12G	1"	0.80								2#12 1#12G	3/4	0.80	WELDER OUTLET	6				
4	UFT 1	1.80				2#12 1#12G	3/4	30/3		80/2	2#4 1#12G	1"	0.80								2#12 1#12G	3/4	0.80	WELDER OUTLET	8				
5	UFT																												