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EXTERIOR DOORS, HARDWARE
 AND STOREFRONT REPLACEMENT
 MOBILE, ALABAMA

GMC NO. AMOB170029.004



ELECTRICAL
 PANEL SCHEDULES
 PHASE II

E8.0
 Sheet of

SHEET NOTES

1 THE EXISTING BREAKER IS AN EATON 200 AMP 65 KAIC BREAKER. THE ELECTRICAL CONTRACTOR IS TO REMOVE THE BREAKER AND REPLACE WITH A NEW 150 AMP 65 KAIC BREAKER.

PANELBOARD SCHEDULE														
MARK: NEW PANEL P5														
CKT #	LOAD DESCRIPTION	BREAKER		PHASE (kVA)			PHASE (kVA)			BREAKER		LOAD DESCRIPTION	CKT #	
		P	TRIP	A	B	C	A	B	C	TRIP	P			
1	CLASSROOM 103 LIGHTING	1	20	0.3							20	1	SPARE	2
3	SPARE	1	20							0.2	20	1	RESTROOM RECEPTACLE	4
5	RESTROOM RECEPTACLE	1	20			0.2				0.4	20	1	REST ROOM AREA GENERAL RECEPT.	6
7	CLASSROOM 103 RECEPTACLES	1	20	1.2			0.2				20	1	WORKING AREA RECEPTACLES	8
9	WORKING AREA RECEPTACLES	1	20		0.2			0.2			20	1	WORKING AREA RECEPTACLES	10
11	GFUH-9	1	20			0.9				0.9	20	1	GFUH-11	12
13	GFUH-10	1	20	0.9				1.6						14
15	SPARE	1	20						1.6		35	3	AHU-1	16
17	WORK AREA RECEPTACLE	1	20			0.2				1.6				18
19	CARBON MONOXIDE SENSOR	1	20	0.5				0.9			20	1	GFUH-12	20
21	GWH-3	1	20		0.5				0.5		20	1	GHW-4	22
23	SPARE	1	20								20	1	OUTDOOR LIGHTING	24
25	SPARE	1	20								20	1	SPARE	26
27	SPARE	1	20								20	1	SPARE	28
29	SPARE	1	20								20	1	SPARE	30
31	SPARE	1	20								20	1	SPARE	32
33	SPARE	1	20								20	1	SPARE	34
35	SPARE	1	20								20	1	SPARE	36
37	SPARE	1	20								20	1	SPARE	38
39	SPARE	1	20								20	1	SPARE	40
41	SPARE	1	20								20	1	SPARE	42
				2.9	0.7	1.3	2.7	2.5	2.9					
TOTAL (kVA) ØA				5.6	ØB	3.2	ØC	4.2	HIGH PHASE (AMPS)			46.7		
TOTAL CONNECTED LOAD (kVA)				13.0			TOTAL LOAD (AMPS)			36.1				

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC.) AND ROOM NUMBERS SERVED FOR EVERY BRANCH CIRCUIT.

PANELBOARD SCHEDULE															
MARK: EXISTING PANEL MDP3															
CKT #	LOAD DESCRIPTION	BREAKER		PHASE (kVA)			PHASE (kVA)			BREAKER		LOAD DESCRIPTION	CKT #		
		P	TRIP	A	B	C	A	B	C	TRIP	P				
1	PANEL SFDPPP	3	200										SPACE	2	
3														4	
5														6	
7	EAST PANEL	3	400							400	3		WEST PANEL	8	
9														10	
11														12	
13	EAST PANEL WELD BOOTH	3	200							200	3		WEST PANEL WELD BOOTH	14	
15														16	
17														18	
19	SPARE	1	20											20	
21	SPARE	1	20							400	3		PAINT & BODY EAST END	22	
23	SPARE	1	20											24	
25	SPARE	1	20							20	1		SPARE	26	
27	SPARE	1	20							20	1		SPARE	28	
29	SPARE	1	20							20	1		SPARE	30	
TOTAL (kVA) ØA				ØB	ØC	HIGH PHASE (AMPS)			TOTAL LOAD (AMPS)						
TOTAL CONNECTED LOAD (kVA)				TOTAL LOAD (AMPS)											

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC.) AND ROOM NUMBERS SERVED FOR EVERY BRANCH CIRCUIT.

PANELBOARD SCHEDULE															
MARK: RECONFIGURED PANEL MDP3															
CKT #	LOAD DESCRIPTION	BREAKER		PHASE (kVA)			PHASE (kVA)			BREAKER		LOAD DESCRIPTION	CKT #		
		P	TRIP	A	B	C	A	B	C	TRIP	P				
1	PANEL SFDPPP	3	200										SPACE	2	
3														4	
5														6	
7	PANEL P2	3	400			57.1			40.9		400	3	PANEL P3	8	
9														10	
11														12	
13	BUSWAY CONNECTION #5	3	150			22.0			22		150	3	BUSWAY CONNECTION #6	14	
15														16	
17														18	
19														20	
21	SPACE	3								400	3		PAINT & BODY EAST END	22	
23	SPARE	1	20											24	
25	SPARE	1	20							20	1		SPARE	26	
27	SPARE	1	20							20	1		SPARE	28	
29	SPARE	1	20							20	1		SPARE	30	
TOTAL (kVA) ØA				144.6	ØB	142.0	ØC	140.6	HIGH PHASE (AMPS)			1205.0			
TOTAL CONNECTED LOAD (kVA)				427.2			TOTAL LOAD (AMPS)			1186.8					

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC.) AND ROOM NUMBERS SERVED FOR EVERY BRANCH CIRCUIT.

PANELBOARD SCHEDULE																
MARK: NEW PANEL P2																
CKT #	LOAD DESCRIPTION	BREAKER		PHASE (kVA)			PHASE (kVA)			BREAKER		LOAD DESCRIPTION	CKT #			
		P	TRIP	A	B	C	A	B	C	TRIP	P					
1	BUSWAY CONNECTION #1	3	100			18.0			3.1		40	3	EF-6	2		
3														4		
5														6		
7														8		
9	BUSWAY CONNECTION #2	3	225			36.0			18.0		20	1	SERVICE RECEPTACLE	10		
11														12		
13	SPARE	1	20							20	1		SPARE	14		
15	SPARE	1	20							20	1		SPARE	16		
17	SPARE	1	20							20	1		SPARE	18		
19	SPARE	1	20							20	1		SPARE	20		
21	SPARE	1	20							20	1		SPARE	22		
23	SPARE	1	20							20	1		SPARE	24		
25	SPARE	1	20							20	1		SPARE	26		
27	SPARE	1	20							20	1		SPARE	28		
29	SPARE	1	20							20	1		SPARE	30		
TOTAL (kVA) ØA				54.0	ØB	54.0	ØC	3.3	3.1	3.1	HIGH PHASE (AMPS)			477.5		
TOTAL CONNECTED LOAD (kVA)				171.5			TOTAL LOAD (AMPS)			476.0						

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC.) AND ROOM NUMBERS SERVED FOR EVERY BRANCH CIRCUIT.

PANELBOARD SCHEDULE															
MARK: NEW PANEL P3															
CKT #	LOAD DESCRIPTION	BREAKER		PHASE (kVA)			PHASE (kVA)			BREAKER		LOAD DESCRIPTION	CKT #		
		P	TRIP	A	B	C	A	B	C	TRIP	P				
1	EF-5	3	40			3.1			2.6		30	2	HPU-1	2	
3														4	
5														6	
7														8	
9	BUSWAY CONNECTION #3	3	100			18.0			14		20	1	SERVICE RECEPTACLE	10	
11														12	
13														14	
15	PANEL P5	3	150			5.6			14		100	3	BUSWAY CONNECTION #4	16	
17														18	
19	SPARE	1	20							20	1		SPARE	20	
21	SPARE	1	20							20	1		SPARE	22	
23	SPARE	1	20							20	1		SPARE	24	
25	SPARE	1	20							20	1		SPARE	26	
27	SPARE	1	20							20	1		SPARE	28	
29	SPARE	1	20							20	1		SPARE	30	
TOTAL (kVA) ØA				43.3	ØB	40.9	ØC	39.5	HIGH PHASE (AMPS)			360.8			
TOTAL CONNECTED LOAD (kVA)				123.7			TOTAL LOAD (AMPS)			343.4					

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC.) AND ROOM NUMBERS SERVED FOR EVERY BRANCH CIRCUIT.

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