PANELBOARD SCHEDULE

PANEL NAME: MP
LOCATION: MECH 116

VOLTS: 208Y/120
PHASE: 3
WIRE: 4
MINIMUM KA.I.C.: 35

MAIN: BREAKER
AMPS: 400
POLES: 3
REMARKS: GND BUS, S.E. LABEL, PERM CKT No'S, SCREW NAMEPLATE

MOUNT: SURFACE

NAMEPLATE: MP 208Y/120V, 3ø, 4W FED FROM UTIL

CONDUIT	WIRE	ROOM NOS/REMARKS	CIR	BREAKERS		AMPS PER PHASE			PHASES			AMPS PER PHASE			BREAKERS		CIR	ROOM NOS / REMARKS	CONDUIT	WIRE
			#	AMP	POLE	A	B	C	A	B	C	A	B	C	AMP	POLE	#			
1 1/2	4+8G	INDOOR UNIT AHU-01	1	60	3	41.9			●			0			30	3	2	SURGE PROTECTION DEVICE	3/4	10+10N+10G
–	4	–	3	–	–		41.9			●			0		–	–	4	–	–	10
–	4	–	5	–	–			41.9			●			0	–	–	6	–	–	10
1 1/2	3+8G	INDOOR UNIT AHU-02	7	80	3	56.9			●			20			30	2	8	WATER HEATER	3/4	10+10G
–	3	–	9	–	–		56.9			●			20		–	–	10	–	–	10
–	3	–	11	–	–			56.9			●			22.3	40	2	12	OUTDOOR UNIT HP-01	1	8+10G
		SPARE	13	100	3	0			●			22.3			–	–	14	–	–	8
		–	15	–	–		0			●			27.6		50	2	16	OUTDOOR UNIT HP-02	1	6+10G
		–	17	–	–			0			●			27.6	–	–	18	–	–	6
SL	SL	PANEL PA	19	100	3	41.5			●			33			50	2	20	STOVE	1	6+6N+10G
–	SL	–	21	–	–		46.5			●			33		–	–	22	–	–	6
–	SL	–	23	–	–			52.5			●			–	20	1	24	SPACE ONLY		
SL	SL	PANEL PB	25	100	3	46.5			●						100	3	26	SPACE ONLY		
–	SL	–	27	–	–		49.5			●					–	–	28	–		
–	SL	–	29	–	–			51			●				–	–	30	–		
		SPACE ONLY	31	100	3				●						100	3	32	SPACE ONLY		
		–	33	–	–					●					–	–	34	–		
		–	35	–	–						●				–	–	36	–		
		SPACE ONLY	37	100	3				●						100	3	38	SPACE ONLY		
		–	39	–	–					●					–	–	40	–		
		–	41	–	–						●				–	–	42	–		
		CONNECTED LOAD (AMPS) –							262.1	275.4	252.2									

SL = SEE SINGLE LINE DIAGRAM

PANELBOARD SCHEDULE

PANEL NAME: PA
LOCATION: MECH 116

VOLTS: 208Y/120
PHASE: 3
WIRE: 4
MINIMUM KA.I.C.: 22

MAIN: LUGS
AMPS: 100
POLES: 3
REMARKS: GND BUS, PERM CKT No'S, SCREW NAMEPLATE

MOUNT: SURFACE

NAMEPLATE: PA 208Y/120V, 3ø, 4W FED FROM "MP"

CONDUIT	WIRE	ROOM NOS/REMARKS	CIR	BREAKERS		AMPS PER PHASE			PHASES			AMPS PER PHASE			BREAKERS		CIR	ROOM NOS / REMARKS	CONDUIT	WIRE
			#	AMP	POLE	A	B	C	A	B	C	A	B	C	AMP	POLE	#			
1/2	12+N+G	CSR, OFFICES EAST LIGHTS	1	20	1	5.3			●			0			30	3	2	SURGE PROTECTIVE DEVICE	3/4	10+10N+10G
–	12+N	CSR, OFFICES WEST LIGHTS	3	20	1		5.3			●			0		–	–	4	–	–	10
–	12+N	LOBBY, VESTIBULE LIGHTS	5	20	1			6.5			●			0	–	–	6	–	–	10
1/2	12+N+G	TELLER, VAULT, HALL 125 LIGHTS	7	20	1	4.7			●			10			20	1	8	BREAKROOM REFRIGERATOR	1/2	12+N+G
–	12+N	BREAKROOM, TOILET, REAR CORRIDOR LIGHTS	9	20	1		4.7			●			10		20	1	10	BREAKROOM MICROWAVE	–	12+N
–	12+N	WORKROOM, ELECTRIC ROOM, NIGHT DEPOSIT LIGHTS	11	20	1			4			●			10	20	1	12	BREAKROOM DISHWASHER	–	12+N
3/4	10+10N+10G	OUTDOOR LANTERN POLES	13	20	1	4			●			1.5			20	1	14	BREAKROOM COUNTER RECEPTACLE	1/2	12+N+G
3/4	10+10N+10G	OUTDOOR LANTERN POLES	15	20	1		4			●			1.5		20	1	16	BREAKROOM COUNTER RECEPTACLE	–	12+N
1/2	12+N+G	OUTDOOR SOFFIT AND ENTRY LIGHTS	17	20	1			3			●			1.5	20	1	18	BREAKROOM GARBAGE DISPOSAL	–	12+N
1/2	12+N+G	ATTIC LIGHTS	19	20	1	2			●			7.5			20	1	20	BREAKROOM, COUPON BOOTH RECEPTACLE	1/2	12+N+G
–	12+N	ATTIC RECEPTACLES	21	20	1		4.5			●			1.5		20	1	22	ELECTRIC WATER COOLER	–	12+N
◇ 1/2	12+N+G	SECURITY PANEL	23	20	1			5			●			7.5	20	1	24	TOILET, CORRIDOR, JANITOR RECEPTACLE	–	12+N
◇ 1/2	12+N+G	FIRE ALARM PANEL	25	20	1	5			●			1.5			20	1	26	VAULT RECEPTACLE	1/2	12+N+G
–	12+N	IRRIGATION CONTROLLER	27	20	1		5			●			10		15	2	28	DATA ROOM DUCTLESS UNIT	1/2	12+G
–	12+N	HVAC DAMPER TRANSFORMERS	29	20	1			5			●			10	–	–	30	–	–	12
		SPARE	31	20	1				●						20	1	32	SPARE		
		SPARE	33	20	1					●					20	1	34	SPARE		
		SPARE	35	20	1						●				20	1	36	SPARE		
		SPACE ONLY	37	20	1				●						20	1	38	SPACE ONLY		
		SPACE ONLY	39	20	1					●					20	1	40	SPACE ONLY		
		SPACE ONLY	41	20	1						●				20	1	42	SPACE ONLY		
		CONNECTED LOAD (AMPS) –							41.5	46.5	52.5									

◇ = LOCKABLE HANDLE

PANELBOARD SCHEDULE

PANEL NAME: PB
LOCATION: MECH 116

VOLTS: 208Y/120
PHASE: 3
WIRE: 4
MINIMUM KA.I.C.: 22

MAIN: LUGS
AMPS: 100
POLES: 3
REMARKS: GND BUS, PERM CKT No'S, SCREW NAMEPLATE, ISOLATED GROUND

MOUNT: SURFACE

NAMEPLATE: PB 208Y/120V, 3ø, 4W FED FROM "MP"

CONDUIT	WIRE	ROOM NOS/REMARKS	CIR	BREAKERS		AMPS PER PHASE			PHASES			AMPS PER PHASE			BREAKERS		CIR	ROOM NOS / REMARKS	CONDUIT	WIRE
			#	AMP	POLE	A	B	C	A	B	C	A	B	C	AMP	POLE	#			
1/2	12+N+G	TELLER DESK RECEPTACLES	1	20	1	6			●			0			30	3	2	SURGE PROTECTIVE DEVICE	3/4	10+10N+10G
–	12+N	TELLER DESK RECEPTACLES	3	20	1		6			●			0		–	–	4	–	–	10
–	12+N	TELLER DESK RECEPTACLES	5	20	1			6			●			0	–	–	6	–	–	10
1/2	12+N+G	TELLER COUNTER, CORRIDOR RECEPTACLES	7	20	1	6			●			3			20	1	8	ALCOVE PRINTER RECEPTACLE	1/2	12+N+G
–	12+N	TELLER COUNTER, CORRIDOR RECEPTACLES	9	20	1		6			●			1.5		20	1	10	WORKROOM COUNTER RECEPTACLES	–	12+N
–	12+N	CSR-3 RECEPTACLES	11	20	1			7.5			●			4.5	20	1	12	TOILET, WORKROOM RECEPTACLES	–	12+N
1/2	12+N+G	PRIVATE OFFICE 130	13	20	1	9			●			1.5			20	1	14	WORKROOM COUNTER RECEPTACLES	1/2	12+N+G
–	12+N	NEW ACCOUNTS OFFICE RECEPTACLES	15	20	1		9			●			1.5		20	1	16	WORKROOM COUNTER RECEPTACLES	–	12+N
–	12+N	CSR-2 RECEPTACLES	17	20	1			7.5			●			1.5	20	1	18	WORKROOM COUNTER RECEPTACLES	–	12+N
1/2	12+N+G	LOAN OFFICE 133 RECEPTACLES	19	20	1	9			●			3			20	1	20	DATA ROOM RECEPTACLES	1/2	12+N+G
–	12+N	LOAN OFFICE 104 RECEPTACLES	21	20	1		9			●			3		20	1	22	DATA ROOM RECEPTACLES	–	12+N
–	12+N	CSR-1 105 RECEPTACLES	23	20	1			7.5			●			3	20	1	24	DATA ROOM RECEPTACLES	–	12+N
1/2	12+N+G	NEW ACCOUNTS OFFICE RECEPTACLES	25	20	1	9			●			0			20	1	26	SPARE		
–	12+N	PRIVATE OFFICE 108 RECEPTACLES	27	20	1		7.5			●			6		20	1	28	ELECTIC ROOM RECEPTACLES	1/2	12+N+G
–	12+N	CSR-4 RECEPTACLES	29	20	1			7.5			●			6	20	1	30	NIGHT DEPOSIT, OUTDOOR RECEPTACLES	–	12+N
3/4	12+N+G	CASH RECYCLER	31	20	1	–			●						20	1	32	SPARE		
–	12+N+G	CASH RECYCLER	33	20	1		–			●					20	1	34	SPARE		
		SPARE	35	20	1						●				20	1	36	SPARE		
		SPACE ONLY	37	20	1				●						20	1	38	SPACE ONLY		
		SPACE ONLY	39	20	1					●					20	1	40	SPACE ONLY		
		SPACE ONLY	41	20	1						●				20	1	42	SPACE ONLY		
		CONNECTED LOAD (AMPS) –							46.5	49.5	51									

PANEL LEGEND	
MP	PB
PA	

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PROJECT NO.: 17-1718

ALABAMA REGISTERED NO. 20689 PROFESSIONAL ENGINEER JASON B. LEMONS 11-29-17

LAMBERT • EZELL • DURHAM
ARCHITECTURE, LLC
P.O. Box 934 401 East College St. Florence, Alabama 35631
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BRANCH BANK FOR
TRADERS AND FARMERS BANK
DOUBLE SPRINGS, ALABAMA

Job No. 1612 Date 11/30/17
Drawn RAR/ABL Revised
Checked JBL Revised

Drawing Title
SINGLE LINE DIAGRAM + PANEL SCHEDULES

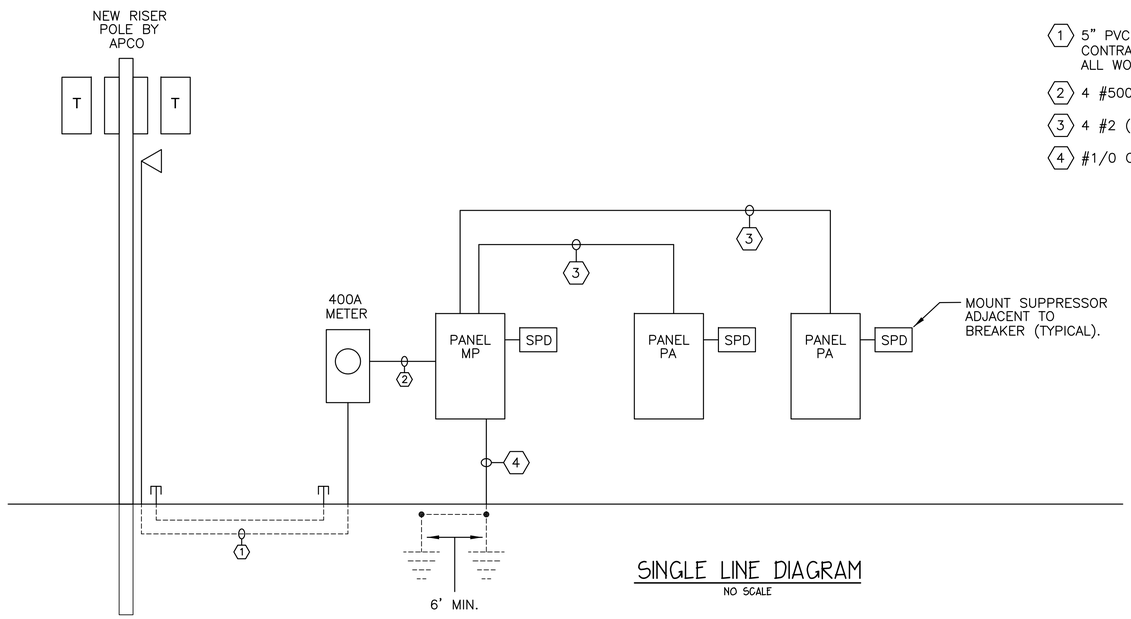
Drawing Number
E-7
Of 8

WIRING COLOR CODE CHART

WIRING SHALL BE COLOR CODED AS FOLLOWS:
208 WYE/120 VOLT, 3 PHASE, 4 WIRE
PHASE A – BLACK
PHASE B – RED
PHASE C – BLUE
NEUTRAL – WHITE
GROUND – GREEN

PROVIDE A WIRING COLOR CHART AT EVERY PANEL.

SWITCH LEG TRAVELERS SHALL BE PURPLE.



SINGLE LINE DIAGRAM
NO SCALE

1. 5" PVC CONDUIT PLUS SPARE WITH 4 FOOT SWEEPING 90'S BY CONTRACTOR. CONTRACTOR SHALL PROVIDE DITCH. APCO WILL PROVIDE WIRE. COORDINATE ALL WORK WITH ALABAMA POWER COMPANY (SCOTT KNIGHT – 205.486.9403).
2. 4 #500 (XHHW), 1 #1/0 GND, 4"c.
3. 4 #2 (XHHW), 1 #8 GND, 2"c.
4. #1/0 COPPER TO TWO 10' GND RODS, SPACED A MINIMUM OF 6' APART.