PANELBOARD: H1C (EXISTING)

BUS AMPS: 400A
MAIN SIZE/TYPE: MLO — SERVES: LIGHTING
VOLTS/PHASE: 480Y/277V, 3PH, 4W — MOUNTING: SURFACE
SECTION: 1 — LOCATION: ELEC ROOM 1

CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.
1	SALES LIGHTING (13)	3,110				20	1	1	20		2,670			SALES LIGHTING (13)	2
3	SALES LIGHTING (13)		2,670			20	1	1	20			2,670		SALES LIGHTING (13)	4
5	SALES LIGHTING (13)			2,670		20	1	1	20				3,110	SALES LIGHTING (13)	6
7	SALES LIGHTING (13)	2,670				20	1	1	20		3,110			SALES LIGHTING (13)	8
9	SALES LIGHTING (13)		3,110			20	1	1	20			2,670		SALES LIGHTING (13)	10
11	SALES LIGHTING (13)			2,670		20	1	1	20				2,670	SALES LIGHTING (13)	12
13	SALES LIGHTING (13)	3,110				20	1	1	20		3,560			SALES LIGHTING (13)	14
15	SALES LIGHTING (13)		3,560			20	1	1	20			3,560		SALES LIGHTING (13)	16
17	SALES LIGHTING (13)			3,560		20	1	1	20				3,110	SALES LIGHTING (13)	18
19	SALES LIGHTING (13)	3,110				20	1	1	20		3,560			SALES LIGHTING (13)	20
21	SALES LIGHTING (13)		3,110			20	1	1	20			4,000		SALES LIGHTING (13)	22
23	SALES LIGHTING (13)			3,110		20	1	1	20				3,560	SALES LIGHTING (13)	24
25	SALES LIGHTING (13)	4,000				20	1	1	20		3,110			SALES LIGHTING (13)	26
27	SALES LIGHTING (13)		3,560			20	1	1	20			3,110		SALES LIGHTING (13)	28
29	SALES LIGHTING (13)			3,560		20	1	1	20				3,110	SALES LIGHTING (13)	30
SECTION: 2															
31	SALES LIGHTING (13)	3,560				20	1	1	20		3,110			SALES LIGHTING (13)	32
33	SALES LIGHTING (13)		4,000			20	1	1	20			3,110		SALES LIGHTING (13)	34
35	SALES LIGHTING (13)			3,560		20	1	1	20				3,110	SALES LIGHTING (13)	36
37	SALES LIGHTING (13)	3,110				20	1	1	20		3,560			SALES LIGHTING (13)	38
39	SALES LIGHTING (13)		3,110			20	1	1	20			3,110		SALES LIGHTING (13)	40
41	SALES LIGHTING (13)			3,110		20	1	1	20				3,110	SALES LIGHTING (13)	42
43	SALES LIGHTING (13)	3,560				20	1	1	20		3,110			SALES LIGHTING (13)	44
45	SALES LIGHTING (13)		3,110			20	1	1	20			3,110		SALES LIGHTING (13)	46
47	SALES LIGHTING (13)			3,560		20	1	1	20				3,110	SALES LIGHTING (13)	48
49	SALES LIGHTING (13)	1,780				20	1	1	20		2,000			GARDEN CENTER LIGHTS (13)	50
51	**SALES LIGHTING (13)**		1,810			20	1	1	20			2,000		GARDEN CENTER LIGHTS (13)	52
53	**SALES LIGHTING (13)**			1,795		20	1	1	20				2,000	GARDEN CENTER LIGHTS (13)	54
55	STOCKROOM LIGHTS (13)	2,700				20	1	1	20		750			**EXIT & EMERGENCY (3,19)**	56
57	STOCKROOM LIGHTS (13)		3,560			20	1	1	20			750		**EXIT & EMERGENCY (3,19)**	58
59	**OFFICE LIGHTS (19)**			4,270		20	1	1	20				750	**EXIT & EMERGENCY (3,19)**	60
61	OFFICE LIGHTS (13)	3,070				20	1	1	20		500			BOOTWALL DISPLAY (13)	62
63	SECURITY LIGHTS (13)		2,150			20	1	1	20			500		HOUSEWARES DISPLAY (13)	64
65	SECURITY LIGHTS (13)			2,940		20	1	1						SPACE	66
67	SPACE						1	1						SPACE	68
69	SPACE						1	1						SPACE	70
71	SPACE						1	1						SPACE	72
	SUBTOTAL	33,780	33,750	34,805							29,040	28,590	27,640	SUBTOTAL	

TOTAL PHASE A - VA	62,820	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	227	COOLING (C)		1.00	REFRIG (F)		1.00	
TOTAL PHASE B - VA	62,340	HEATING (H)		0	SIGN/DISP (D)		1.25	
AMPS	225	LIGHTING (L)	195	1.25	KITCHEN (K)		1.00	
TOTAL PHASE C - VA	62,445	RECEPTACLES (R)		1.0/.5	EXISTING (E)	187,410	1.00	
AMPS	225	MOTORS (M)		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	187,605	SUPP HEAT (U)		1.00	SHOW WND (W)		1.25	187,654 VA
AMPS	226	MISC EQUIP (Z)		1.00	LTG TRACK		1.00	226 A

PANELBOARD: H3C (EXISTING)

BUS AMPS: 225A
MAIN SIZE/TYPE: MLO — SERVES: LIGHTING
VOLTS/PHASE: 480Y/277V, 3PH, 4W — MOUNTING: SURFACE
SECTION: 1 — LOCATION: ELEC ROOM 1

CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.
1	FRONT CHECKOUT LTS (13)	2,970				20	1	1	20		4,140			SHADE CLOTH LTS (13)	2
3	FRONT CHECKOUT LTS (13)		2,970			20	1	1	20			3,600		SHADE CLOTH LTS (13)	4
5	**COURTESY DESK LTS (19)**			3,540		20	1	1						SPACE	6
7	**VESTIBULE LTS LTS (19)**	2,350				20	1	1						SPACE	8
9	**VESTIBULE LTS LTS (19)**		3,040			20	1	1	20					BANK LTS (13)	10
11				810		20	1	1	20				3,140	PHARMACY LTS (13)	12
13	HAIR SALON LTS (13)	1,700				20	1	1	20		2,350			VISION CENTER LTS (13)	14
15	VIDEO STORE LTS (13)		2,800			20	1	1	20			2,210		VISION CENTER LTS (13)	16
17	SPACE						1	1	20				550	PORTRAIT STUDIO LTS (13)	18
19	PARKING LOT LTS (13)	2,880				20	2	2	20		2,160			PARKING LOT LTS (13)	20
21			2,880									2,160			22
23	PARKING LOT LTS (13)			3,120		20	2	2	20				2,160	PARKING LOT LTS (13)	24
25		3,120									2,160				26
27	PARKING LOT LTS (13)		2,400			20	2	2	20			3,120		SECURITY LTS (13)	28
29				2,400									3,120		30
31	SPACE						1	1						SPACE	32
33	PARKING LOT LTS (13)		2,400			20	2	2	20			3,120		SECURITY LTS (13)	34
35				2,400									3,120		36
37	SPACE						1	1						SPACE	38
39	SPACE						1	1						SPACE	40
41	SPACE						1	1						SPACE	42
	SUBTOTAL	13,020	16,490	12,270							10,810	14,210	12,090	SUBTOTAL	

TOTAL PHASE A - VA	23,830	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	86	COOLING (C)		1.00	REFRIG (F)		1.00	
TOTAL PHASE B - VA	30,700	HEATING (H)		0	SIGN/DISP (D)		1.25	
AMPS	111	LIGHTING (L)		1.25	KITCHEN (K)		1.00	
TOTAL PHASE C - VA	24,360	RECEPTACLES (R)		1.0/.5	EXISTING (E)	78,890	1.00	
AMPS	88	MOTORS (M)		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	78,890	SUPP HEAT (U)		1.00	SHOW WND (W)		1.25	78,890 VA
AMPS	95	MISC EQUIP (Z)		1.00	LTG TRACK		1.00	95 A

PANELBOARD: H4C (EXISTING)

BUS AMPS: 225A
MAIN SIZE/TYPE: MLO — SERVES: GROCERY LIGHTING
VOLTS/PHASE: 480Y/277V, 3PH, 4W — MOUNTING: SURFACE
SECTION: 1 — LOCATION: ELEC ROOM 1

CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.
1	SALES AREA HID LTS (13)	2,430				20	1	1	20		2,430			SALES AREA HID LTS (13)	2
3	SALES AREA HID LTS (13)		2,910			20	1	1	20			2,910		SALES AREA HID LTS (13)	4
5	SALES AREA HID LTS (13)			2,430		20	1	1	20				2,910	SALES AREA HID LTS (13)	6
7	SALES AREA HID LTS (13)	2,910				20	1	1	20		2,910			SALES AREA HID LTS (13)	8
9	SALES AREA HID LTS (13)		2,430			20	1	1	20			2,910		SALES AREA HID LTS (13)	10
11	SALES AREA HID LTS (13)			2,430		20	1	1	20				2,430	SALES AREA HID LTS (13)	12
13	SALES AREA HID LTS (13)	2,910				20	1	1	20		2,430			SALES AREA HID LTS (13)	14
15	SALES AREA HID LTS (13)		2,910			20	1	1	20			2,430		SALES AREA HID LTS (13)	16
17	SALES AREA HID LTS (13)			2,910		20	1	1	20				2,430	SALES AREA HID LTS (13)	18
19	SALES AREA HID LTS (13)	2,910				20	1	1	20		1,940			SALES AREA HID LTS (13)	20
21	SALES AREA HID LTS (13)		2,430			20	1	1	20			1,940		SALES AREA HID [illegible]	22
23	SALES AREA HID LTS (13)			2,910		20	1	1	20				2,430	SALES AREA [illegible] (13)	24
25	**PRODUCE STRIP LIGHTS (19)**	1,872				20	1	1	20		2,910			SEATING [illegible]	26
27	BAKERY/PRODUCE LTS (13)		3,880			20	1	1	20			1,350		KITCHEN LTS [illegible]	28
29	BAKERY LTS (13)			4,060		20	1	1	20				2,240	DELI LTS (13)	30
31	MEAT CANOPY LTS (13)	1,300				20	1	1	20		2,649			**REAR GR. STOCK[illegible] LTS (13)**	32
33	**PICKUP/COOLER LTS (19)**		1,830			20	1	1	20			2,620		FRONT GR STOCK[illegible] LTS (13)	34
35	MEAT PREP/DAIRY CLR LTS (13)			3,820		20	1						2,000		36
37	**EMERGENCY LTS (3,19)**	445				20	1	3	20		2,000			**[illegible]XISTING LOAD (25)**	38
39	**PRODUCE STRIP LIGHTS (19)**		1,872			20	1					2,000			40
41	SPARE (19)					20	1	1	20					SPACE	42
	SUBTOTAL	14,777	18,262	18,560							17,269	[illegible]	14,4[illegible]	SUBTOTAL	

TOTAL PHASE A - VA	32,046	LOAD	CONN. VA	DF	LOAD	CONN. [illegible]	DF	
AMPS	116	COOLING (C)		1.00	REFRIG		1.00	
TOTAL PHASE B - VA	34,422	HEATING (H)		0	SIGN/DISP		1.25	
AMPS	124	LIGHTING (L)	4,278	1.25	KITCHEN (K)		[illegible]	
TOTAL PHASE C - VA	33,000	RECEPTACLES (R)		1.0/.5	EXISTING (E)	[illegible]	[illegible]	
AMPS	119	MOTORS (M)		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	99,468	SUPP HEAT (U)		1.00	SHOW WND (W)		1.25	100,538 VA
AMPS	120	MISC EQUIP (Z)		1.00	LTG TRACK		1.00	121 A

PANELBOARD: H4D (EXISTING)

BUS AMPS: 225A
MAIN SIZE/TYPE: 200A MCB — SERVES: [illegible]
VOLTS/PHASE: 480Y/277V, 3PH, 4W — MOUNTING: SURFACE
SECTION: 1 — LOCATION: ELEC ROOM 4

CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.
1	D026C-A FRYER (13)	6,000				35	2				11,920				2
3			6,000					3	60			11,920		D026C-B FRYER (13)	4
5	SPACE						1						11,920		6
7		11,920									3,326				8
9	D026C-B FRYER (13)		11,920			60	3	3	20			3,326		**PICKUP FRZR HCR DOOR**	10
11				11,920									3,326		12
13	SPACE						1				3,326				14
15	SPACE						1	3	20			3,326		**PICKUP COOLER HCR DOOR**	16
17	SPACE						1						3,326		18
19	SPACE						1	1						SPACE	20
21	SPACE						1	1						SPACE	22
23	SPACE						1	1						SPACE	24
	SUBTOTAL	17,920	17,920	11,920							18,572	18,572	18,572	SUBTOTAL	

TOTAL PHASE A - VA	36,492	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	132	COOLING (C)	19,956	1.00	REFRIG (F)		1.00	
TOTAL PHASE B - VA	36,492	HEATING (H)		0	SIGN/DISP (D)		1.25	
AMPS	132	LIGHTING (L)		1.25	KITCHEN (K)		1.00	
TOTAL PHASE C - VA	30,492	RECEPTACLES (R)		1.0/.5	EXISTING (E)	83,520	1.00	
AMPS	110	MOTORS (M)		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	103,476	SUPP HEAT (U)		1.00	SHOW WND (W)		1.25	103,476 VA
AMPS	124	MISC EQUIP (Z)		1.00	LTG TRACK		1.00	124 A

PANELBOARD: CH2F (EXISTING)

BUS AMPS: 150A
MAIN SIZE/TYPE: MLO — SERVES: REFRIGERATED CASE FANS
VOLTS/PHASE: 208Y/120V, 3PH, 4W — MOUNTING: SURFACE
SECTION: 1 — LOCATION: COMPRESSOR HOUSE #2

CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.
1	MTC-1.1 CASE FANS (13)	850				20	1	1	20		500			MTD-1.5 COIL FANS (13)	2
3	MTC-2.1 CASE FANS (13)		300			20	1	1	20			1,000		MTD-1.4 COIL FANS (13)	4
5	**SPACE (11)**						1	1	20				540	MTD-4.2 COIL FANS (13)	6
7	MTC-1.2 CASE FANS (13)	700				20	1	1	20		1,510			MTD-2.2 COIL FANS (13)	8
9	MTC-1.5 CASE FANS (13)		410			20	1	1	20			1,510		MTD-4.3 COIL FANS (13)	10
11	MTC-1.5 CASE A/S HTRS (13)			430		20	1	1	20				1,510	MTD-4.3 COIL FANS (13)	12
13	MTC-3.3 CASE FANS (13)	680				20	1	1	20		900			MTD-3.1 CASE FANS (13)	14
15	**MTC-4.1 CASE FANS & LTS (19)**		338			20	1	1	20			900		MTD-3.2 CASE FANS (13)	16
17	MTC-3.4 CASE FANS			980		20	1	1	20				1,000	MTD-3.3 CASE FANS (13)	18
19	MTC-3.4 CASE A/S HTRS (13)	910				20	1	1	20		390			MTD-1.2 CASE FANS (13)	20
21	MTD-1.2 & 1.3 CASE FANS (13)		1,080			20	1	1	20			143		**MTC-4.2 CASE FANS & LTS (19)**	22
23	MTC-2.2 CASE FANS (13)			260		20	1	1	20				620	MTC-1.4 CASE FANS (13)	24
25	MTC-3.2 CASE FANS (13)	260				20	1	1	20		427			**MTC-4.3 CASE FANS & LTS (19)**	26
27	MTC-3.1 CASE FANS (13)		380			20	1	1	20			499		**MTC-4.4 CASE FANS & LTS (19)**	28
29	**SPACE (11)**						1	1	20				180	MTC-3.3 CASE OUTLET (13)	30
31	SPACE						1	1	20		180			MTC-3.3 CASE OUTLET (13)	32
33	SPACE						1	1	20			180		MTC--3.4 CASE OUTLET (13)	34
35	SPACE						1	1	20				180	MTC-3.4 CASE OUTLET (13)	36
37	SPACE						1	1	20		180			MTC-1.5 CASE OUTLET (13)	38
39	SPACE						1	1	20			180		MTC-1.4 CASE OUTLET (13)	40
41	SPACE						1	1	20				180	MTD-4.1 CASE OUTLET (13)	42
	SUBTOTAL	3,400	2,508	1,670							4,087	4,412	4,210	SUBTOTAL	

TOTAL PHASE A - VA	7,487	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	62	COOLING (C)		1.00	REFRIG (F)	1,407	1.00	
TOTAL PHASE B - VA	6,920	HEATING (H)		0	SIGN/DISP (D)		1.25	
AMPS	58	LIGHTING (L)		1.25	KITCHEN (K)		1.00	
TOTAL PHASE C - VA	5,880	RECEPTACLES (R)		1.0/.5	EXISTING (E)	18,880	1.00	
AMPS	49	MOTORS (M)		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	20,287	SUPP HEAT (U)		1.00	SHOW WND (W)		1.25	20,287 VA
AMPS	56	MISC EQUIP (Z)		1.00	LTG TRACK		1.00	56 A

PANELBOARD: L1D1 (EXISTING)

BUS AMPS: 225A
MAIN SIZE/TYPE: 225A MCB — SERVES: GENERAL POWER
VOLTS/PHASE: 208Y/120V, 3PH, 4W — MOUNTING: SURFACE
SECTION: 1 — LOCATION: ELEC ROOM 1

CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.
1	COLUMN RECEPTACLES (13)	720				20	1	1	20		720			MONITOR RM RECEPTS (13)	2
3	COLUMN RECEPTACLES (13)		1,260			20	1	1	20			720		MONITOR RM RECEPTS (13)	4
5	COLUMN RECEPTACLES (13)			1,080		20	1	1	20				360	MONITOR RM RECEPTS (13)	6
7	COLUMN RECEPTACLES (13)	1,080				20	1	1	20		240			VENDING MACHINE (13)	8
9	COLUMN RECEPTACLES (13)		1,080			20	1	1	20			240		VENDING MACHINE (13)	10
11	COLUMN RECEPTACLES (13)			1,080		20	1	1	20				240	VENDING MACHINE (13)	12
13	MGMT ROOM RECEPTS (13)	360				20	1	1	20		240			VENDING MACHINE (13)	14
15	MGMT ROOM RECEPTS (13)		540			20	1	1	20			240		VENDING MACHINE (13)	16
17	MGMT ROOM RECEPTS (13)			360		20	1	1	20				240	VENDING MACHINE (13)	18
19	MGMT ROOM RECEPTS (13)	540				20	1	1	20	8	1,090			**BR REFRIGERATOR (6,19)**	20
21	**WOMEN'S HAND DRYER (2)**		1,450			20	1	1	20	8		1,090		**BR REFRIGERATOR (6,19)**	22
23	**MEN'S HAND DRYER (2)**			1,450		20	1	1	20				360	**BR CNTR RECEPTS (19)**	24
25	MOVEABLE RACKS (13)	1,230				20	1	1	20	10	720			**BR RCPTS/TV (6,19)**	26
27	MOVEABLE RACKS (13)		1,230			20	1	1	20	6		1,360		**BR COFFEE MAKER (6,19)**	28
29	MOVEABLE RACKS (13)			1,230		20	1	2	30				2,250	WH-2 (13)	30
31	**WORK STTN/SCENT (19)**	1,008				20	1				2,250				32
33	PRICE REMOVAL (13)		540			20	1	1	20			1,200		BATTERY CHARGER (13)	34
35	UPC ROOM RECEPTS (13)			720		20	1	1	20				1,200	BATTERY CHARGER (13)	36
37	UPC ROOM RECEPTS (13)	720				20	1	1	20		540			CLAIMS RECEPTACLES (13)	38
39	EF-1 & EF-7 (13)		1,220			20	1	1	20			720		TRAINING RECEPTACLES (13)	40
41	EF-5 (13)			100		20	1	1	20				1,080	**ALCOVE RECEPTACLES (19)**	42
SECTION: 2															
43	STOCKROOM FANS (13)	320				20	1	1	20		180			FAB (13)	44
45	TRUCK DOCK FANS (13)		320			20	1	1	20	6		1,520		**BR MICROWAVE (6,19)**	46
47	ELECTRIC DOOR RELEASE (13)			30		20	1	1	20				360	10A AUTOMOTIVE (13)	48
49	RTU RECEPTS (13)	900				20	1	1	20	6	1,520			**BR MICROWAVE (6,19)**	50
51	RTU RECEPTS (13)		900			20	1	1	20	6		1,520		**BR MICROWAVE (6,19)**	52
53	**FAMILY TOILET HAND DRYER (6,19)**			1,450	10	20	1	1	20				1,920	**BR ISLAND PLU[illegible]D (6,19)**	[illegible]
55	SC RECEPTACLES (13)	900				20	1	1	20		1,920			**BR ISLAND PLUGMO[illegible]D (6,19)**	[illegible]
57	WATER COOLERS (13)		1,440			20	1	1	20	8		1,080		**BR BA[illegible] PLUGMOLD [illegible],19)**	58
59	MGMT ROOM RECEPT (13)			180		20	1	1	20	8			1,260	**B[illegible] PLGMLD/INS[illegible]T (6,19)**	60
61	**HSC (6,19)**	720			10	20	1	1	20		310			**BR F[illegible] (19)**	62
63	**HSC (6,19)**		720		10	20	1	1	20			456		**12A COL[illegible] BOAR[illegible] (6,19)**	64
65	EDC1 LIGHTS (13)			530		20	1	1	20	8			[illegible]	**WOMEN'S [illegible] [illegible]6,19)**	66
67	EDC1 RECEPTACLE (13)	180				20	1	1	20	8	1,450			**[illegible]EN'S HA[illegible]D DR[illegible]**	68
69	IOM-EDC1-1 (13)		100			20	1	1	20			[illegible]		[illegible] DO[illegible] RECE[illegible]	70
71	LCU-1 & LCU-2 (13)			200		20	1	1	20				1,080	[illegible] RECEPTS [illegible]	72
73	EP/2 (13)	100				20	1	1	20	8	1,080			**11A HA[illegible]RE (6,19)**	74
75	TELEPHONE BOARD (13)		360			20	1	1	20	[illegible]		1,08[illegible]		**11A HARD[illegible]E (6,19)**	76
77	ALARM BACKBOARD (13)			540		20	1	1	[illegible]	10			720	**12B 1 GAL MIXER (6,19)**	78
79	PNLBD L1U	5,596				50	2	[illegible]	[illegible]	8	1,[illegible]			**12B 5 GAL MIXER (6,19)**	80
81			5,576					1	[illegible]	8		[illegible]080		**12B TINT COMPUTER (6,19)**	82
83	**EF-13**			864		20	1	1	20	[illegible]			1,296	**08B DOG FOOD COOLERS (6)**	84
	SUBTOTAL	14,374	16,736	9,814							13,4[illegible]	12,84[illegible]	13,816	SUBTOTAL	

TOTAL PHASE A - VA	27,854	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	232	COOLING (C)		1.00	REFRIG (F)		1.00	
TOTAL PHASE B - VA	29,582	HEATING (H)		[illegible]	SIGN/DISP (D)		1.25	
AMPS	247	LIGHTING (L)		1.[illegible]	KITCHEN (K)		1.00	
TOTAL PHASE C - VA	23,630	RECEPTACLES (R)	[illegible]	1.0/[illegible]	EXISTING (E)	34,040	1.00	
AMPS	197	MOTORS (M)	864	1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	81,066	SUPP HEAT (U)		1.00	SHOW WND (W)		1.25	64,851 VA
AMPS	225	MISC EQUIP (Z)	12,242	1.00	LTG TRACK		1.00	180 A

PANELBOARD: L1D2 (EXISTING)

BUS AMPS: 225A
MAIN SIZE/TYPE: MLO — SERVES: DE[illegible]
VOLTS/PHASE: 208Y/120V, 3P[illegible] 4W — MOUNTING: RECESSED
SECTION: 1 — LOCATION: DELI

CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.
1		3,120						1	20		500			EXISTING LOAD (22)	2
3	DELI [illegible] CASE RH[illegible] (2)		3,120			50	3							SHUNT TRIP BREAKER	4
5				3,120									5,000		6
7	SHUNT TRIP BREAKER							3	100		5,000			DELI FRYER (13)	8
9			1,800									5,000			10
11	[illegible] ROTISSERIE (13)			1,800		50	3	1	20				500	EXISTING LOAD (22)	12
13		1,800						2	20		500			EXISTING LOAD (22)	14
15	EXISTING LOAD (22)		500			20	1					500			16
17	EXISTING LOAD (22)			500		20	1	1	20				960	D4.2 REF SOLENOID (13)	18
19	D2 DELI SLICER (13)	1,730				20	1	1	20		840			EXHUAST FAN (13)	20
21	D2 DELI SLICER/WRAPPER (13)		1,710			20	1	1	20			840		SUPPLY FAN (13)	22
23	TRAINING ROOM (13)			1,390		20	1	1	20				600	CONTROLS (13)	24
25	**WRKRM/LOCKUP OUTLET (19)**	1,080				20	1	1	20		300			HOOD LIGHTS (13)	26
27	FIXTURE ROOM OUTLET (13)		720			20	1	1	20			1,000		DELI NEON (13)	28
29	**EXISTING LOAD (22)**			500		30	1						1,800		30
31		2,160						3	50		1,800			BOTTOM ROTISSERIE (13)	32
33	**D104 BLAST CHILLER (2)**		2,160		10	25	3					1,800			34
35				2,160										SHUNT TRIP BREAKER	36
	SUBTOTAL	9,890	10,010	9,470							8,940	9,140	8,860	SUBTOTAL	

TOTAL PHASE A - VA	18,830	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	157	COOLING (C)		1.00	REFRIG (F)	6,480	1.00	
TOTAL PHASE B - VA	19,150	HEATING (H)		0	SIGN/DISP (D)		1.25	
AMPS	160	LIGHTING (L)		1.25	KITCHEN (K)	9,360	1.00	
TOTAL PHASE C - VA	18,330	RECEPTACLES (R)	540	1.0/.5	EXISTING (E)	31,944	1.00	
AMPS	153	MOTORS (M)		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	56,310	SUPP HEAT (U)		1.00	SHOW WND (W)		1.25	48,324 VA
AMPS	156	MISC EQUIP (Z)		1.00	LTG TRACK		1.00	134 A

PANELBOARD: L1U (NEW)

BUS AMPS: 100A — AIC RATING: 10000 FULLY RATED — LINE-SIDE LUGS: MECHANICAL
MAIN SIZE/TYPE: MLO — SERVES: IG EQUIPMENT — EQUIPMENT GROUND BUS
VOLTS/PHASE: 120/240V, 1PH, 3W — MOUNTING: SURFACE — ISOLATED GROUND BUS
SECTION: 1 — LOCATION: ELEC ROOM 1

CKT NO.	DESCRIPTION	A	B	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	DESCRIPTION	CKT NO.
1	**UPC RACK (16)**	500			20	1	1	20		40		**OVERHEAD FIRE DOORS (16)**	2
3	**UPC OFFICE (16)**		500		20	1	2	30			1,500	**BLADE CENTER (16)**	4
5	**UPC RACK (16)**	500			20	1				1,500			6
7	**UPC OFFICE/ RACK (16)**		540		20	1	1	20			40	**OVERHEAD FIRE DOORS (16)**	8
9	**P.A./PHONE EQUIP (16)**	540			20	1	1	20		20		**ALCOVE CASH WRAP (16)**	10
11	**UPC RACK (16)**		500		20	1	1	20				**UPC RACK (16)**	12
13	**EVERSEEN SERVER**	2,496		10	30	2	1					**SPACE**	14
15			2,496				1					**SPACE**	16
17	**SPACE**					1	1					**SPACE**	18
19	**SPACE**					1	1					**SPACE**	20
21	**SPACE**					1	1					**SPACE**	22
23	**SPACE**					1	1					**SPACE**	24
	SUBTOTAL	4,036	4,036							1,560	1,540	SUBTOTAL (13)	

TOTAL PHASE A - VA	5,596	LOAD	CONN. VA	DF	LOAD	CONN. VA	DF	
AMPS	47	COOLING (C)		1.00	REFRIG (F)		1.00	
TOTAL PHASE B - VA	5,576	HEATING (H)		0	SIGN/DISP (D)		1.25	
AMPS	46	LIGHTING (L)		1.25	KITCHEN (K)		1.00	
TOTAL PNLBD - VA	11,172	RECEPTACLES (R)		1.0/.5	EXISTING (E)	6,180	1.00	
AMPS	47	MOTORS (M)		1.00	LRG MOTOR		1.25	TOTAL DEMAND
		SUPP HEAT (U)		1.00	SHOW WND (W)		1.25	11,172 VA
		MISC EQUIP (Z)	4,992	1.00	LTG TRACK		1.00	47 A

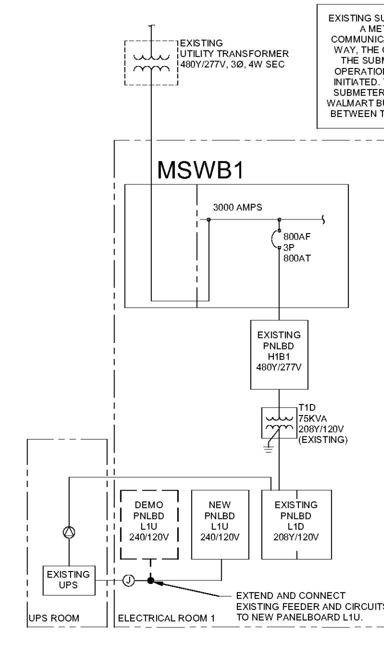
PANELBOARD: L2D (EXISTING)

BUS AMPS: 125A
MAIN SIZE/TYPE: MLO — SERVES: ACC
VOLTS/PHASE: 208Y/120V, 3PH, 4W — MOUNTING: SURFACE
SECTION: 1 — LOCATION: ACC MECHANICAL ROOM

CKT NO.	DESCRIPTION	A	B	C	WIRE NO.	BKR AMP	P	P	BKR AMP	WIRE NO.	A	B	C	DESCRIPTION	CKT NO.
1	LIGHT REEL RCPT (13)	540				20	1	1	20		720			WALL RC[illegible]	[illegible]
3	LIGHT REEL RCPT (13)		540			20	1	1	20			1,260		OFFI[illegible] RCPT[illegible]	[illegible]
5	LIGHT REEL RCPT (13)			900		20	1	1	20				1,800	OFF[illegible]E RCPT/MENU BRDS (13)	6
7	WH-3 (13)	1,500				20	1	1	20		360			AIR/[illegible]CTRIC UNIT (1[illegible])	8
9	HAND DRYER (13)		1,450			20	1	1	20			360		AIR/E[illegible]CTRIC UNIT (1[illegible])	10
11	SUMP PUMP (1&2) (13)			850		20	1	1	20				360	AIR/EL[illegible]IC UNIT [illegible])	12
13	SUMP PUMP (1&2) (13)	850				20	1	1	30		1,130			[illegible]URFACE [illegible]	14
15	TIRE CHANGER (13)		1,920			20	1	1	20			[illegible]		[illegible]EEL BALANCER (13)	16
17	TIRE CHANGER (13)			1,920		20	1	2	30				1,580	SU[illegible] LIFT (13)	18
19	SURFACE LIFT (13)	1,580				30					1,58[illegible]				20
21			1,580					2	30			1,580		SURFACE LIFT (13)	22
23	CEILING RCPT (13)			360		20							[illegible]		24
25	CEILING RCPT (13)	360				20			20		530			EF-4 (13)	26
27	GREETER COMP (13)		360			20	1		20			[illegible]		EF-3 (13)	28
29	EAS (13)			360		20	1		20				1,080	VACUUM (13)	30
31	**EXISTING LOAD (22)**	1,000				20	1	1	[illegible]		[illegible]			VACUUM (13)	32
33	TLE CAP (13)		[illegible]			20	1	1	[illegible]			1,000		**EXISTING LOAD (22)**	34
35	CHECKOUT RCPT (13)			[illegible]			1	1	[illegible]				500	EF-5 (13)	36
37	WHEEL BALANCER (13)	[illegible]30					2	2	[illegible]		830			WHEEL BALANCER (13)	38
39			830									830			40
41	SPACE						1	1					720	CONVEYOR (13)	42
	SUBTOTAL	6,8[illegible]	7,180	5,110							6,230	5,550	7,620	SUBTOTAL	

TOTAL PHAS[illegible] - VA	12,890	LOAD	CONN[illegible]	DF	LOAD	CONN. VA	DF	
[illegible]MPS	107	COOLING ([illegible]C)		1.00	REFRIG (F)		1.00	
TOTAL PHASE [illegible]VA	12,730	HEATING		0	SIGN/DISP (D)		1.25	
	106	LIGHTING		1.25	KITCHEN (K)		1.00	
TOTAL PHASE C [illegible]	12,730	RECE[illegible]TACLES (R)	360	1.0/.5	EXISTING (E)	37,990	1.00	
AMP[illegible]	106	MOT[illegible] (M)		1.00	LRG MOTOR		1.25	TOTAL DEMAND
TOTAL PNLBD - VA	[illegible]350	S[illegible]HEAT (U)		1.00	SHOW WND (W)		1.25	38,350 VA
AMPS		[illegible]ISC EQUIP (Z)		1.00	LTG TRACK		1.00	106 A

EXISTING SUBMETERING: IF IT IS NECESSARY TO REMOVE A METER, RTU SERVER, CT OR DISRUPT THE COMMUNICATION OF THE SUBMETERING SYSTEM IN ANY WAY, THE CONTRACTOR IS RESPONSIBLE TO RESTORE THE SUBMETERING SYSTEM TO THE SAME LEVEL OF OPERATION THAT EXISTED PRIOR TO THE WORK BEING INITIATED. THE EXISTENCE AND FUNCTIONALITY OF THE SUBMETERING SYSTEM SHALL BE VERIFIED BY CALLING WALMART BUILDING PERFORMANCE TEAM AT 479-204-0432 BETWEEN THE HOURS OF 7 AM AND 5 PM CENTRAL TIME.



1 PARTIAL ONE-LINE DIAGRAM
NTS

EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CONTRACTOR SHALL CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

EACH SUBCONTRACTOR IS RESPONSIBLE FOR HAVING A THOROUGH KNOWLEDGE OF ALL DRAWINGS AND SPECIFICATIONS IN THEIR RELATED FIELD. THE FAILURE TO ACQUAINT THEMSELF WITH THIS KNOWLEDGE DOES NOT RELIEVE THE RESPONSIBILITY OF PERFORMING THE WORK PROPERLY. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED BECAUSE OF CONDITIONS THAT OCCUR DUE TO FAILURE TO FAMILIARIZE WORKERS WITH THIS KNOWLEDGE.

PANELBOARD NOTES ()

08.28.20

1. TERMINATE GROUND ON ISOLATED GROUND BUS.
2. INSTALL LOCKING DEVICE (LOCK-OFF FOR MAINTENANCE). LOCKING DEVICE SHALL BE UL LISTED. MANUFACTURER SHALL MATCH EXISTING PANELBOARD MANUFACTURER.
3. INSTALL LOCKING DEVICE (LOCK-ON FOR CRITICAL LOAD).
4. GFI BREAKER FOR PERSONNEL PROTECTION (5MA).
5. GFI BREAKER FOR EQUIPMENT PROTECTION (30MA).
6. CONDUCTOR SIZE HAS BEEN INCREASED FOR VOLTAGE DROP. SIZE EQUIPMENT GROUNDING CONDUCTOR PROPORTIONATELY PER NEC.
7. REFER TO ONE-LINE DIAGRAM FOR AVAILABLE FAULT CURRENT FOR INTERRUPT RATINGS.
8. REFER TO ONE-LINE DIAGRAMS FOR WIRE SIZES.
9. FACTORY WIRED TO LOAD.
10. BREAKER [illegible] HIGH MAGNETIC TYPE.
11. [illegible] REMOVA[illegible] FIELD VERIFY CIRCUIT [illegible]REAKER [illegible]S NOT SE[illegible]NG AN EXISTING LOAD. IF NO EXISTING [illegible]AD, REMO[illegible] CIRCUIT BREAKER AND [illegible]ROVIDE [illegible] PLA[illegible]. IF BREAKER IS SERVING A [illegible]AD, IDEN[illegible] LOAD SERVED. UPDATE CIRCUIT [illegible]TIFICAT[illegible] SCHEDULE AS "SPACE" OR INDICATE LO[illegible] SERVED.
12. DU[illegible]L TAP SOLENOID OPERATED BREAKER. CONNECT EMERGENCY/NIGHT LIGHTING TO UNSWITCHED TERMINATION.
13. EXISTING CIRCUIT AND/OR CIRCUIT BREAKER.
14. ROUTE CIRCUIT THROUGH CONTACTOR.
15. PROVIDE INTERLOCK WIRING WITH EXHAUST HOOD ANSUL SYSTEM.
16. RELOCATED CIRCUIT FROM EXISTING PANELBOARD.
17. PROVIDE BLANK CIRCUIT BREAKER FILLER PLATE FOR EXPOSED SPACE IN PANELBOARD.
18. PROVIDE U.L. LISTED OVERCURRENT DEVICE TO COORDINATE AND MAINTAIN MANUFACTURER'S SERIES RATED SYSTEM.
19. EXISTING CIRCUIT BREAKER TO REMAIN. VERIFY CONDITION OF CIRCUIT BREAKER TO ENSURE THAT IT IS OPERATIONAL AND MEETS ALL U.L. RATINGS.
20. ROUTE CIRCUIT THROUGH EXISTING LCU CABINET UTILIZING EXISTING RELAY AND CONTROLS. UPDATE LCU IDENTIFICATION SCHEDULE WITH LOAD IDENTIFICATION.
21. SOLENOID OPERATED CIRCUIT BREAKER. REFER TO ENERGY MANAGEMENT PLANS FOR CIRCUIT BREAKER CONTROL.
22. EXISTING LOAD - TRACE EXISTING CIRCUIT, IDENTIFY LOAD AND UPDATE CIRCUIT IDENTIFICATION SCHEDULE FOR LOAD SERVED. IF CIRCUIT IS NOT IN USE, REFER TO PANELBOARD NOTE (11).
23. ROUTE CIRCUIT THROUGH ENCLOSED GFI BREAKER FOR PERSONNEL PROTECTION (5MA).
24. SPARE - FIELD VERIFY CIRCUIT BREAKER IS NOT SERVING AN EXISTING LOAD. IF NO EXISTING LOAD, PROVIDE LOCK OFF DEVICE TO LOCK SPARE BREAKER IN THE OFF POSITION. IF BREAKER IS SERVING A LOAD, IDENTIFY LOAD SERVED. UPDATE CIRCUIT IDENTIFICATION SCHEDULE AS "SPARE" OR INDICATE LOAD SERVED.
25. EXISTING LOAD - TRACE EXISTING CIRCUIT, IDENTIFY LOAD AND UPDATE CIRCUIT IDENTIFICATION SCHEDULE FOR LOAD SERVED. IF CIRCUIT IS NOT IN USE, REFER TO PANELBOARD NOTE (24).

GENERAL NOTES:
1. NEW OVERCURRENT PROTECTIVE DEVICES PLACE IN EXISTING PANELBOARDS OR DISTRIBUTION BOARDS SHALL MATCH THE TYPE AND AIC RATING OF EXISTING OVERCURRENT PROTECTION DEVICES IN SAID BOARD.
2. E.C. SHALL TRACE ALL ELECTRICAL CIRCUITS FOR EVERY EXISTING PANELBOARD AFFECTED BY THIS PROJECT. IDENTIFY LOADS ON EACH CIRCUIT. PROVIDE A COMPLETE TYPEWRITTEN CIRCUIT IDENTIFICATION SCHEDULE FOR EVERY AFFECTED PANELBOARD.
3. ALL OVERCURRENT DEVICES ARE NEW UNLESS NOTED OTHERWISE.

SOURCE OF SUPPLY NOTE

CONTRACTOR TO VERIFY THE FEEDER ORIGINATION POINT SOURCE OF POWER FOR ALL DISTRIBUTION BOARDS, PANELBOARDS, AND BUSWAY AFFECTED BY THE REMODEL SCOPE OF WORK. PROVIDE A LAMINATED PLASTIC NAMEPLATE PER SPECIFICATIONS INDICATING THIS INFORMATION.

EXAMPLES:
H1A FED FROM MSWB
L1D FED FROM H1B VIA T1D

ARC FLASH

ARC FLASH HAZARD WARNING LABELING REQUIREMENTS PER NEC ARE PROVIDED BY OWNER UNDER SEPARATE CONTRACT.

POWER INTERRUPTION NOTE

11.30.18

COORDINATE ALL WORK THAT REQUIRES POWER INTERRUPTIONS TO THE STORE WITH THE STORE MANAGER AND THE WALMART CONSTRUCTION MANAGER A MINIMUM OF 48 HOURS IN ADVANCE OF ALL STORE POWER INTERRUPTIONS. IN ADDITION, IF THE MAIN ELECTRICAL SWITCHGEAR REQUIRES WORK AND DOES NOT HAVE A MAIN SERVICE DISCONNECTING MEANS, COORDINATE WITH THE UTILITY COMPANY A MINIMUM OF TWO WEEKS IN ADVANCE OF THE STORE POWER INTERRUPTION. IF STORE IS NOT OPEN 24 HOURS PER DAY, ALL STORE POWER INTERRUPTIONS ARE TO BE ACCOMPLISHED AFTER NORMAL STORE BUSINESS HOURS. PROVIDE TEMPORARY POWER AS REQUIRED PER SPECIFICATIONS. INSTALLATION OF NEW EQUIPMENT SHALL BE COMPLETED AND THE POWER SYSTEM TESTED AND RE-ENERGIZED PRIOR TO THE TIME ESTABLISHED BY THE STORE MANAGER AND THE WALMART CONSTRUCTION MANAGER.

ONE-LINE DIAGRAM LEGEND

11.19.10

- NEW EQUIPMENT
- EXISTING EQUIPMENT
- EQUIPMENT TO BE DEMOLISHED

NOTE:
ALL OF THE ELECTRICAL DEVICES SHOWN ON THE RISER DIAGRAM ARE EXISTING AND ARE BASED UPON AS-BUILT DRAWINGS. E.C. SHALL VERIFY THE EXACT EXISTING CONDITIONS, SIZES AND LOCATIONS OF EQUIPMENT PRIOR TO ROUGH-IN. THIS RISER IS SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ANY NEW DEVICES ARE SHOWN IN BOLD AND ARE NOTED. DURING CONSTRUCTION, THE STORE SHALL STAY OPEN FOR BUSINESS. ANY NECESSARY POWER DOWNTIME SHALL BE SCHEDULED AND APPROVED BY WALMART CONSTRUCTION MANAGER.

STIPULATION FOR REUSE
THIS DRAWING WAS PREPARED FOR USE ON A SPECIFIC SITE AT: PRATTVILLE, AL CONTEMPORANEOUSLY WITH ITS ISSUE DATE ON 03/31/21 AND IT IS NOT SUITABLE FOR USE ON A DIFFERENT PROJECT SITE OR AT A LATER TIME. USE OF THIS DRAWING FOR REFERENCE OR EXAMPLE ON ANOTHER PROJECT REQUIRES THE SERVICES OF PROPERLY LICENSED ARCHITECTS AND ENGINEERS. REPRODUCTION OF THIS DRAWING FOR REUSE ON ANOTHER PROJECT IS NOT AUTHORIZED AND MAY BE CONTRARY TO THE LAW.

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EXPIRES 1/31/2022

Walmart
PRATTVILLE, AL
1903 COBBS FORD ROAD
STORE NO: 00483-249
JOB NUMBER: 2180300483 PROTO: 188
2021 MAJOR PROJECT

ISSUE BLOCK

CHECKED BY:	MM
DRAWN BY:	SBH/DP
PROTO CYCLE:	01/29/21
DOCUMENT DATE:	03/31/21

ALABAMA LICENSED No. 39436-E PROFESSIONAL ENGINEER WILLIAM RAY WINSTON
03/30/2021

WILLIAM R. WINSTON

ELECTRICAL ONE-LINE DETAILS AND SCHEDULES

SHEET: E4

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