

CK	LOAD SERVED	WIRE	BRKR	PL	PHASE A	PHASE B	PHASE C	PL	BRKR	WIRE	LOAD SERVED	CK
1	PANEL B	3	100	2	12.28	0.00						2
3						4.84	0.00					4
5	AIR MACHINE (4) (6)	10	20	1			1.90	0.18	1	20	12	6
7					0.00	0.00						8
9					0.00	0.00						10
11	CANOPY LIGHTS (11)	12	20	1			1.21	0.50	1	20	12	12
13	CANOPY LIGHTS (11)	12	20	1	1.21	0.00						14
15	CANOPY SIGNS (11)	12	20	1		0.54	0.00					16
17	APPLAUSE SERVER	12	20	1			0.50	0.18	1	20	12	18
19					0.00	0.00						20
21					0.00	0.00						22
23	VEEDER ROOT	12	20	1			0.50	0.50	1	20	12	24
25					0.00	0.00						26
27					0.00	0.00						28
29							0.00	1.80	1	20	10	30
31					0.00	0.00						32
33					0.00	0.00						34
35					0.00	0.00						36
37	SURGE SUPPRESSOR	10	30	3	0.00	0.00						38
39					0.00	0.00						40
41					0.00	0.00						42
43					0.00	0.00						44
45					0.00	0.00						46
47					0.00	0.00						48
49					0.00	0.00						50
51					0.00	0.00						52
53					0.00	0.00						54

TOTAL CONNECTED	13.49	5.38	7.27	KVA
TOTAL CONNECTED	112.43	44.83	60.60	AMPS
TOTAL LOAD	26.14	KVA	72.57	AMPS
PER NEC ARTICLE 220 FEEDER LOAD	27.38	KVA	76.00	AMPS
100%	8.98	100%	8.98	KVA
125%	0.00	125%	0.00	KVA
LIGHTING	4.94	125%	6.18	KVA
MOTORS	9.68	100%	9.68	KVA
RECEPTACLES*	2.54	*	2.54	KVA
KITCHEN	0.00	100%	0.00	KVA
REFRIGERATION	0.00	100%	0.00	KVA
HVAC - COOLING**	0.00	100%	0.00	KVA
HVAC - HEAT**	0.00	0%	0.00	KVA
LARGEST MOTOR	0.00	25%	0.00	KVA
			27.38	KVA

*FIRST 10KVA AT 100% AND REMAINING AT 50%
 **LARGEST OF COOLING OR HEATING

CK	LOAD SERVED	WIRE	BRKR	PL	PHASE A	PHASE B	PL	BRKR	WIRE	LOAD SERVED	CK	
1	DISPENSER #1 (2) (ES)	10	20	2	1.18	1.18			2	20	10	2
3	SWITCHED NEUTRAL	10	---	---					0.00	0.00		4
5	DISPENSER #3 (2) (ES)	10	20	2	1.18	1.18			2	20	10	6
7	SWITCHED NEUTRAL	10	---	---					0.00	0.00		8
9	DISPENSER #5 (2) (ES)	10	20	2	1.18	1.18			2	20	10	10
11	SWITCHED NEUTRAL	10	---	---					0.00	0.00		12
13	STP PREMIUM (2) (ES)	10	20	2	1.21	1.21			2	20	10	14
15		---	---	---					1.21	1.21		16
17	STP NO ETHANOL (2) (ES)	10	20	2	1.21	0.36			1	20	12	18
19		---	---	---					1.21	0.00		20
21	STP UNLEADED (2) (ES)	10	20	2	1.21	0.00			---	---		22
23		---	---	---					1.21	0.00		24
25					0.00	0.00						26
27						0.00	0.00					28
29					0.00	0.00						30
31						0.00	0.00					32
33					0.00	0.00						34
35						0.00	0.00					36
37					0.00	0.00						38
39						0.00	0.00					40
41					0.00	0.00						42

TOTAL CONNECTED	12.28	4.84	AMPS
TOTAL LOAD	17.12	82.31	AMPS
PER NEC ARTICLE 220 FEEDER LOAD	17.41	83.72	AMPS

TYPE	MODEL#/DESCRIPTION	AMP	VOLTAGE
A	CREE# CAN-304-SL-RO-UL-WH-525		120V
	CANOPY FIXTURE		

ELECTRICAL SYMBOLS LEGEND

(SYMBOLS APPLY ONLY WHEN USED ON DRAWINGS)

SYMBOL	DESCRIPTION
□	LED STRIP FIXTURE
□	LED WALLPACK FIXTURE
⚡	EMERGENCY FIXTURE
\$	SWITCH, SINGLE POLE
\$OS	SWITCH, OCCUPANCY SENSOR
⊕	RECEPTACLE, DUPLEX
⊖	RECEPTACLE, SIMPLEX
⊕	RECEPTACLE, DUPLEX IG
⊕	RECEPTACLE, QUAD
⊕	RECEPTACLE, SIMPLEX THIST LOCK ISOLATED GROUND, LEAD UNDER
⊕	JUNCTION BOX (WALL MOUNTED/CEILING MOUNTED)
⊕	ALARM INDICATOR (WALL MOUNTED/CEILING MOUNTED)
⊕	NON-FUSED CONNECTION
⊕	CIRCUIT, CONCEALED IN WALLS OR CEILING, INDICATES EXISTING WIRING
⊕	CIRCUIT, CONCEALED IN SLAB FLOOR, INDICATES EXISTING WIRING
⊕	CIRCUIT, EXPOSED, INDICATES EXISTING WIRING
⊕	TELEPHONE / DATA BOX FOR ISD
⊕	MOTOR
⊕	EQUIPMENT SCHEDULE CALLOUT

ABBREVIATIONS

CU	CONDENSING UNIT
EF	EXHAUST FAN
G	GROUND
GFI	GROUND FAULT CIRCUIT INTERRUPTER
IG	ISOLATED GROUND
SC	SECURITY CAMERA
UH	UNIT HEATER
WH	WATER HEATER
WP	WEATHER PROOF COVERPLATE
WR	WEATHER RESISTANT RECEPTACLE

- ### PANELBOARD NOTES
1. TERMINATE GROUND ON ISOLATED GROUND BUS.
 2. INSTALL LOCKING DEVICE FURNISHED WITH PANELBOARD (LOCK-OFF FOR MAINTENANCE).
 3. INSTALL LOCKING DEVICE FURNISHED WITH PANELBOARD (LOCK-ON FOR CRITICAL LOAD).
 4. GFI BREAKER FOR PERSONNEL PROTECTION (5 mA).
 5. GFI BREAKER FOR EQUIPMENT PROTECTION (30 mA).
 6. CONDUCTOR SIZE HAS BEEN INCREASED FOR VOLTAGE DROP. SIZE OF GROUNDING CONDUCTOR PROPORTIONALLY PER NEC.
- REFER TO ONE-LINE DIAGRAM FOR AVAILABLE FAULT CURRENT FOR INTERRUPT RATING.
8. REFER TO ONE-LINE DIAGRAM FOR WIRE SIZES.
 9. FACTORY WRED TO LOAD.
 10. REFER TO SITE LIGHTING PLAN FOR WIRE SIZES.
 11. THRU CONTACTOR.
- SN. DESIGNATES A SWITCHED NEUTRAL CIRCUIT BREAKER.
- ES. CIRCUIT IS DISCONNECTED BY EMERGENCY STOP.

- ### LIGHTING CONTACTORS
- LIGHTING CONTACTORS ARE WIRED TO OPERATE DURING PRESET HOURS WHEN IT IS OF THE APPROPRIATE LIGHT LEVEL AS SET BY THE PHOTOCELL.

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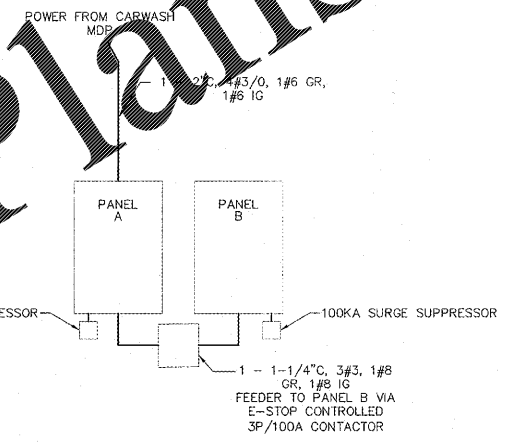
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 PROTO CYCLE: MAY-2017

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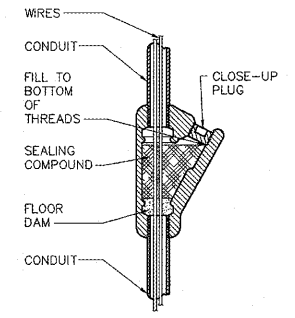
PANEL SCHEDULES AND ONE-LINE DIAGRAM

SHEET: **FSE3**

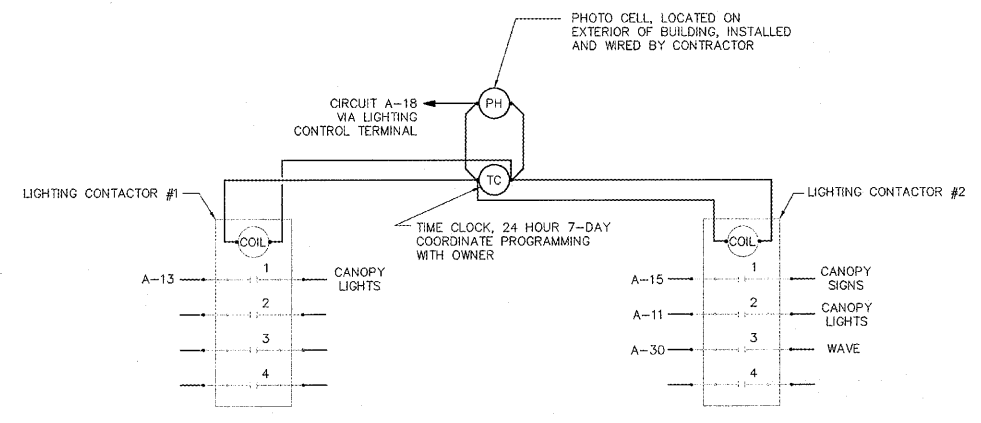
Order Plans @



3 ELECTRICAL ONE-LINE DIAGRAM
 NTS
 013015



2 CONDUIT SEAL-OFF
 NTS



1 LIGHTING CONTACTORS SCHEMATIC
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