

NEW PANELBOARD A

DESIGNATION	WIRE SIZE	LOAD VA	POLES /AMPS	C K.	P H.	C K.	POLES /AMPS	LOAD VA	WIRE SIZE	DESIGNATION
H (EX) AHU-1 (VIF)	4	5567	3/60	1	A	2	3/45	3120	6	(EX) CU-1 (VIF)
H		5567		3	B	4		3120		
H		5567		5	C	6		3120		
H AHU-2	12	1200	2/15	7	A	8	3/35	2400	8	CU-2
H		1200		9	B	10		2400		
H				11	C	12		2400		
K TROPICAL DRINK STATION (4)	12	60	1/20	13	A	14	1/20	200	12	BLOCK ICE SHAVER-2 (2)
K SIMPLE SYRUP MIXER (6)	12	792	1/20	15	B	16	1/20			SPARE
R CONV. RECEPTACLES	12	1260	1/20	17	C	18	1/20	400	12	BEVERAGE DISPENSER (25)
R AHU/CU RECEP	12	720	1/20	19	A	20	2/30	2150	10	CAPPUCCINO MACHINE (13)
R TELEVISION	12	750	1/20	21	B	22		2150		
R RESTROOM RECEP	12	360	1/20	23	C	24	1/20	400	12	COMBO WASHER (54)
R			1/20	25	A	26	1/20	250	12	SOUND/SURVEILLANCE (30/31)
M WALK-IN FREEZER COND (57A)	12	1200	3/20	27	B	28	1/20	500	12	BAG-N-BOX (60)
M		1200		29	C	30	1/20	200	12	BLOCK ICE SHAVER-3 (2)
M		1200		31	A	32	3/35	3334	8	WATER HEATER
M			1/20	33	B	34		3334		
K BLOCK ICE SHAVER-1 (2)	12	200	1/20	35	C	36		3334		
K ICE MACHINE (8)	12	800	1/20	37	A	38	3/100	8080	3	PANEL B
M WALK-IN FREEZER EVAP (57)	12	1320	2/20	39	B	40		7824		
M		1320		41	C	42		7685		
		30283						56401		

CATEGORY	CONN. KVA	LOAD AMPS	DEMAND FACTOR	DEMAND KVA	DEMAND AMPS
L LIGHTING	3.49	10	1	3.49	10
R RECEPTACLE:	8.00	22	1	8.00	22
M MOTORS:	6.24	17	1	6.24	17
K KITCHEN EQUIPMENT:	16.40	46	0.65	10.66	30
A AIR CONDITION:	16.56	46	1	0.00	0
H HEAT (ELECTRIC):	19.10	53	1	19.10	53
O OTHER LOAD:	16.39	45	1	16.39	45
SUB TOTAL	86.18	239		63.88	177
SPARE			10%	6.39	18
CONTINUOUS:	3.49	10	0.25		2
LARGEST MOTOR:	0.00				
TOTAL:	86.18	239	0.82	70.27	195

REMARKS:
 * PROVIDE HACR BREAKER
 ** CONTACTOR (C#)
 *** DEDICATED RECEPTACLE
 **** LOCK-ON DEVICE
 ***** TIME CLOCK

PHASE	LOADING	% UNBALANCE
PHASE 'A':	29081	0
PHASE 'B':	30157	0.04
PHASE 'C':	27446	0.05

PROVIDE FEED-THRU LUGS

NEW PANELBOARD B

DESIGNATION	WIRE SIZE	LOAD VA	POLES /AMPS	C K.	P H.	C K.	POLES /AMPS	LOAD VA	WIRE SIZE	DESIGNATION
L DINING LIGHTING-2	12	789	1/20	1	A	2	1/20	540	12	POS SYSTEM
L TRACK LIGHTING	12	120	1/20	3	B	4	1/20			SPARE
O SIGN**** (43)	12	1000	1/20	5	C	6	1/20	1500	12	COMMERCIAL BAR BLEND (14)
O OPEN SIGN (47)	12	200	1/20	7	A	8	1/20	500	12	ICE CREAM FREEZER (17)
O OPEN SIGN-1 (47)	12	200	1/20	9	B	10	1/20			SPARE
O			1/20	11	C	12	1/20	450	12	BOH LIGHTING
K BLOCK ICE PR. MACH (1) & (1A)	6	3600	2/50	13	A	14	1/20			SPARE
K		3600		15	B	16	1/20	250	12	CHEST FREEZER (2)
R SHOW WINDOW RECEP****	12	900	1/20	17	C	18	2/30	1500	10	COMBO DRYER (54)
R			1/20	19	A	20		1500		
R			1/20	21	B	22	1/20	240	12	RR LIGHTING REF
R TELEPHONE BOARD	12	360	1/20	23	C	24	1/20	87	12	SP-1
R			1/20	25	A	26	1/20	63	12	OFFICE LIGHTING
L DINING LIGHTING-1	12	926	1/20	27	B	28	1/20	900	12	COUNTER LIGHTS/KITCHEN
O SIGN-1**** (43)	12	1000	1/20	29	C	30	1/20	1500	12	MENU TELEVISION-1
O			1/20	31	A	32	1/20	1500	12	MENU TELEVISION-2
O TIME CLOCK	12	500	1/20	33	B	34	1/20	720	12	MENU TELEVISION-3
O			1/20	35	C	36	1/20	200		SPARE
O			1/20	37	A	38	1/20	100		SPARE
R FREEZER MONITOR RECEP	12	200	1/20	39	B	40	1/20			SPARE
R			1/20	41	C	42	1/20			SPARE
								13395		
								9690		

CATEGORY	CONN. KVA	LOAD AMPS	DEMAND FACTOR	DEMAND KVA	DEMAND AMPS
L LIGHTING	3.49	10	1	3.49	10
R RECEPTACLE:	4.16	12	1	4.16	12
M MOTORS:	0.00	0	1	0.00	0
K KITCHEN EQUIPMENT:	9.25	25	0.65	6.14	17
A AIR CONDITION:	0.00	0	1	0.00	0
H HEAT (ELECTRIC):	0.00	0	1	0.00	0
O OTHER LOAD:	5.99	17	1	5.99	17
SUB TOTAL	23.09	64		19.78	55
SPARE			10%	1.98	5
CONTINUOUS:	3.49	10	0.25		2
LARGEST MOTOR:	0.00				
TOTAL:	23.09	64	0.94	21.76	60

REMARKS:
 * PROVIDE HACR BREAKER
 ** CONTACTOR (C#)
 *** DEDICATED RECEPTACLE
 **** LOCK-ON DEVICE
 ***** TIME CLOCK

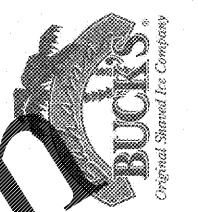
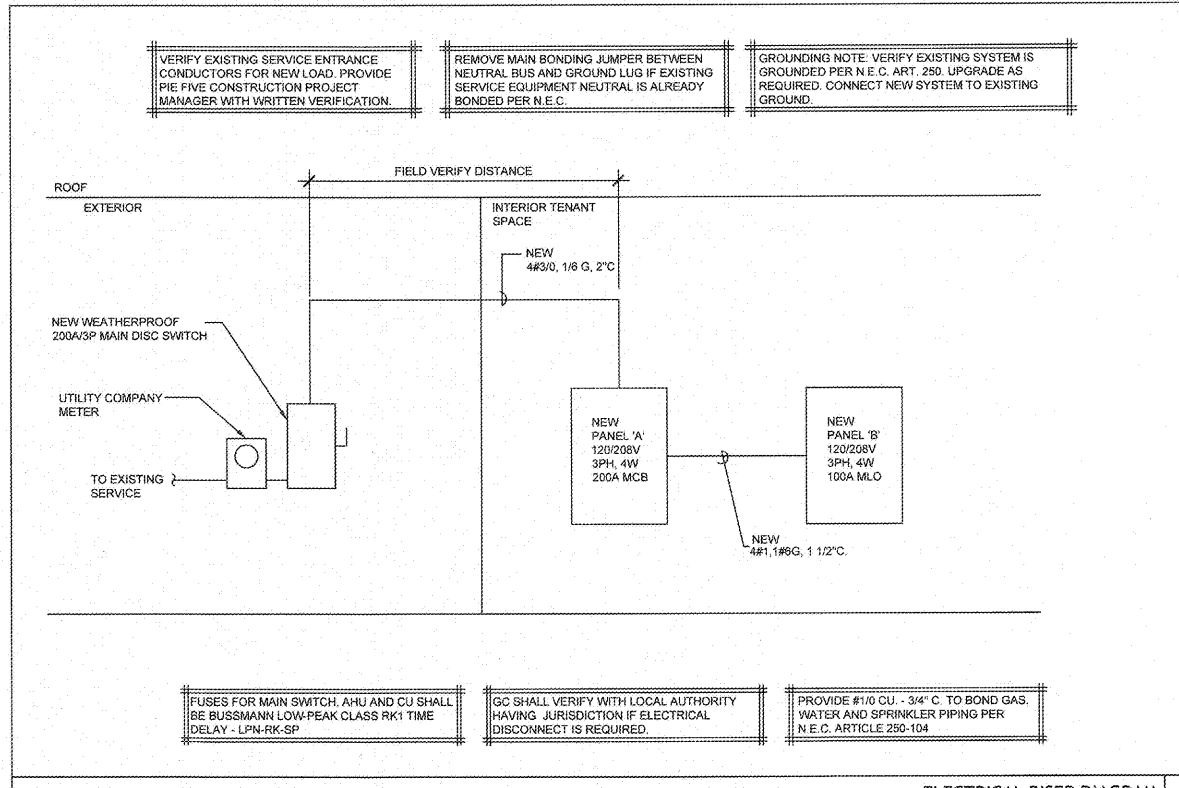
PHASE	LOADING	% UNBALANCE
PHASE 'A':	8080	0.02
PHASE 'B':	7824	0
PHASE 'C':	7685	0.02

PROVIDE FEED-THRU LUGS

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	2 X 4 FLUORESCENT FIXTURE		2 X 4 FLUORESCENT FIXTURE WITH BATTERY BACKUP
	1 X 4 FLUORESCENT FIXTURE		1 X 4 FLUORESCENT FIXTURE WITH BATTERY BACKUP
	4' FLUORESCENT STRIP FIXTURE		4' FLUORESCENT STRIP FIXTURE WITH BATTERY BACKUP
	SURFACE MOUNTED TRACK AND TRACK HEAD		PENDANT MOUNTED LIGHT FIXTURE
	RECESSED DOWNLIGHT FIXTURE		WALL/CEILING MOUNTED EMERGENCY EEGYE FIXTURE
	RECESSED WALLWASH LIGHT FIXTURE		COMBINATION EXIT SIGN/EMERGENCY EEGYE
	WALL MOUNTED LIGHT FIXTURE		EMERGENCY REMOTE HEAD LIGHT FIXTURE
	HOOD LIGHT		CEILING MOUNTED EXIT SIGN, SHADE INDICATOR
	JUNCTION BOX		TELEPHONE RACKBOARD
	WALL MOUNTED DUPLEX RECEPTACLE		TELEPHONE OUTLET
	FLOOR MOUNTED DUPLEX RECEPTACLE		FLOOR MOUNTED TELEPHONE OUTLET
	WALL MOUNTED SINGLE RECEPTACLE		BUS CONNECTION
	FLOOR MOUNTED SINGLE RECEPTACLE		FLOOR MOUNTED POS CONNECTION
	SPECIAL RECEPTACLE		COMBINATION DATA AND PHONE JACK
	WALL MOUNTED QUADRUPLEX RECEPTACLE		FLOOR MOUNTED COMBINATION DATA AND PHONE
	SINGLE POLE SWITCH		DISCONNECT SWITCH
	THREE POLE LIGHT SWITCH		PAGER OUTLET
	PILOT LIGHT SWITCH		SECURITY JUNCTION BOX
	SINGLE THROW THERMAL SWITCH		TELEVISION JACK
	MOTOR RATED SWITCH		KEYED SWITCH
	MOTION DETECTOR		PANELBOARD
	BUZZER		TRANSFORMER
	BELL		LOW VOLTAGE DOORBELL TRANSFORMER
	PUSHBUTTON (MOMENTARY)		FIRE ALARM CONTROL PANEL
	DOOR		FIRE ALARM ANNUNCIATOR PANEL
	SWITCHED CIRCUITRY BURIED OR IN SLAB		FIRE ALARM PULL STATION
	CIRCUITRY IN WALL OR CEILING		FIRE ALARM HORN/STROBE DEVICE
	HOMERUN BACK TO PANEL		FIRE ALARM STROBE DEVICE
	POINT OF CONNECTION		FIRE ALARM CEILING MOUNT HORN/STROBE DEVICE
	ISOLATED GROUND		FIRE ALARM WATER FLOW HORN/STROBE DEVICE
	WEATHERPROOF		FIRE ALARM SMOKE DETECTOR
	GROUND FAULT CIRCUIT INTERRUPTER		FIRE ALARM HEAT DETECTOR
	MOTOR CONTROL TERMINAL		FIRE ALARM DUCT SMOKE DETECTOR
	PRIOR TO ROUGH-IN		REMOTE TEST SWITCH
	INTEGRATED FACILITY STRUCTURE (SWITCHGEAR)		TAMPER SWITCH
	INTEGRATED POWER CENTER (SWITCHGEAR)		FLOW SWITCH
	6" DIAMETER MOUNTED CYLINDER		6" DIAMETER RECESSED DOWNLIGHT

NOTE: NOT ALL SYMBOLS MAY APPEAR ON DRAWINGS.



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12/1/2017

ABACOA TOWN CENTER
 1209 MAIN STREET
 UNIT 116
 JUPITER, FLORIDA

DRAWN BY: R.T. CHECKED BY: A.H.
 REVISIONS:
 PROJECT NUMBER: 17-598
 DATE: 10-24-2017

ELECTRICAL SCHED. & RISER
E2.0