### DIVISION 16 - ELECTRICAL

- PART 1 GENERAL 1.1 DESCRIPTION OF THE WORK
- A. Work under this section includes, but is not necessarily
- limited to, furnishing and installing the following: 1. Electrical service and service equipment.
- 2. Lighting and power distribution system. 3. Provide lighting fixtures selected by owner
- with lamps to match.
- 4. Wiring devices, boxes, cover plates, etc.
- 5. Source of power for all items of equipment. Grounding.
- 7. Other requirements and/or systems where shown. B. All work shall be complete and items, equipment, etc., shall be electrically connected for proper and correct
- C. All work under this contract shall be installed in accordance with the latest edition of the following codes and standards insofar as they apply:
- 1. The 2017 National Electrical Code.
- 2. The National Electrical Safety Code. 3. Underwriter's Laboratories, Inc., Standards and
- approved listings.
- 4. Electrical Testing Labatories standards. 5. North Carolina Building Code, Latest Edition and Revisions.
- 6. All local codes and ordinances.
- D. The Electrical Contractor shall be licensed in the State of North Carolina and have all local licenses required for the work.
- E. Obtain all permits, licenses, inspections, etc., required for the work and pay for the same. Furnish final certificate of inspection and approval from the electrical inspector having jurisdiction prior to acceptance of the work.
- F. All work shall be done by skilled mechanics and shall present a neat, trim, workmanlike condition when complete.

A. The intent of these specifications and the accompanying drawings is to convey as reasonably as possible the requirements for a complete job ready for the building to operate. The Electrical Contractor shall take this into consideration and include in his base bid allowance for contingencies as will allow him to provide minor pieces of equipment and labor not specifically indicated but required for the job to operate properly, at no additional cost to the Owner.

#### 1.3 COORDINATION

- A. Coordinate work with other contractors. Notify Architect of apparent conflicts early to expedite construction. If structural damage appears imminent, stop work and notify Architect for a decision before resuming operations.
- B. Locations shown are approximate. The drawings do not give exact details as to elevations and locations of various pipes, fittings, ducts, conduit, etc., and do not show all offsets and other installation details which may be required. Coordinate all locations with architect before any rough-in.

### 1.4 SHOP DRAWINGS

A. Shop drawings shall be submitted for panels and service equipment, lighting, wiring devices, and cover plates. These may consist of the manufacturer's standard catalog or tear sheets and shall have the exact items being offered clearly identified.

### PART 2 - PRODUCTS AND MATERIALS

- 2.1 GENERAL
- A. All material shall be new and shall bear the manufacturer's name, trade name, and UL label where such standard has been established for the particular material. Materials shall be the standard products of manufacturer's regularly engaged in the manufacturer of the required type of equipment and the manufacturer's latest approved design.
- 1. Boxes installed in concealed locations shall be set flush with the finished surfaces. 2. Provide rated boxes in all fire barriers & walls installed per code
- 2.2 NOT USED

### 2.3 CONDUCTORS

- A. Conductors shall be color coded, sizes #8 and larger may be color
- taped on the job. Color coding shall be: Standard Practice. B. Conductors shall be manufactured by Dodge, Southwire or approved equal. Conductors shall meet the latest requirements of NEMA and IPCEA and shall be UL approved.
- C. Metallic sheathed "MC" cable may be used where allowed by N.E.C.
- D. Conductors shall be spliced and taped as follows: 1. Size #10 and #12, use Ideal "Wing Nuts" or T&B
- "Piggy" connectors. Connectors shall be rated for 150 degrees C for use in recessed lighting fixtures.
- 2. Size #8 and larger shall be solderless screw and screw-clamping type, smoothly covered and shaped with rubber gum type with final cover vinyl plastic electrical type. In lieu of rubber gum and vinyl plastic type, factory fabricated approved preformed insulating covers may be used. All connectors shall
- be UL approved. 3. No split-bolt type connectors may be used.
- E. All branch wire and connections shall be copper and sized per National Electric Code.
- F. All conductors shall be continuous without splice between junction, outlet, device boxes, etc. No splicing will be permitted in panelboard cabinets, safety switches, etc.
- G. All wiring in mechanical spaces shall be plenum rated.
- H. Provide GFI protection within 6'-0" of any sink.
- I. All multi-wire branch circuits shall comply with 2017 NEC, 210.4(B).
- J. All wiring at medical facilities shall comply with 2017 NEC, 517.1.
- 2.4 PANELBOARDS, SAFETY SWITCHES
- A. Panelboards shall comply with NEMA Standard PB 1 Latest Edition and as manufactured by Square D or ITE—Siemens.
- B. The contractor shall be responsible for correctly phasing the circuits in the panelboards.
- C. Safety switches shall be general duty type, size and rating as required for lead service. Safety switches shall be fused or unfused as shown and/or as required. Safety switches serving motor loads shall be horsepower rated for load served.
- 2.5 NOT USED
- 2.6 WIRING DEVICES
- A. Wiring devices shall be commercial grade by Bryant, Leviton, or
- approved equal. With matching cover. Color by Architect. B. Wiring devices installed under a Kitchen Hood shall have
- stainless steel covers.
- C. Wiring devices installed over counters shall comply with ANSI A117.1.
- 2.7 NOT USED

- 2.8 CONDUIT
- A. PVC conduit will be allowed where N.E.C. approved.
- B. All service conduit shall be rigid where exposed below 8'-0" AFF or exposed to the elements or hazardous conditions.

### PART 3 - EXECUTION

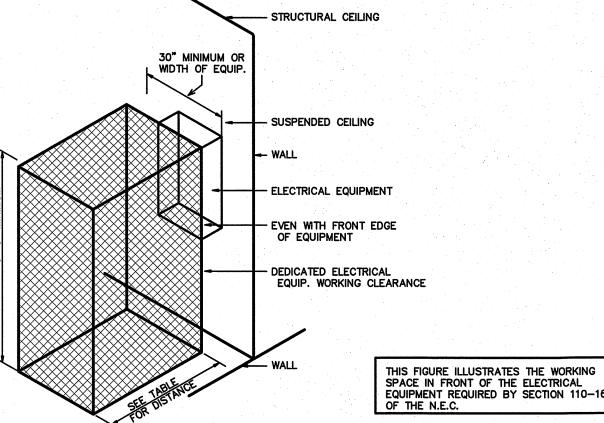
- 3.1 CIRCUIT GROUNDING
- A. All circuits shall contain an insulated, green, copper grounding conductor, sized in accordance with Table 250-95 of the NEC. Grounding conductors shall be connected to equipment grounding bus in panelboard and securely attached and grounded to the device or enclosure at the other end.
- 3.2 GROUNDING TYPE CONVENIENCE OUTLETS AND SWITCHES
- A. Outlets and switches shall be solidly grounded to equipment grounding system with a green colored insulated conductor. Electrical connections shall be continuous from equipment ground bus in panelboard to the hex nut on the convenience outlet or switch.
- 3.3 MOTORS
- A. All motors shall be connected to conduit system with short length (minimum length 24" and maximum length 36") of flexible liquidtight
- 3.4 NOT USED

#### 3.5 EQUIPMENT LABELING

- A. Provide permanent name plates for all panelboards, safety switches, wiring troughs, etc., for identification of equipment controlled, services, etc. Nameplates shall be securely and permanently attached to equipment with stainless steel screws. Nameplates shall include the name of the equipment and where it is fed from.
- B. All switch plates, receptacle plates and outlet covers shall be labeled with machine printed vinyl labels identifying the circuit(s) within.
- C. All empty conduit runs shall be identified and indicated where they terminate.
- D. Provide typewritten directory in each panelboard to clearly identify each circuit, service, etc.
- 3.6 NOT USED
- 3.7 NOT USED 3.8 JUNCTION AND/OR PULL BOXES
- A. Boxes shall be installed where necessary to avoid excessive runs
- and/or too many bends between outlets.
- 3.9 PULL WIRE
- A. Leave pull wire in each empty conduit run.
- 3.10 NOT USED
- 3.11 GROUNDING A. All grounding shall be in accordance with Article 250 of the NEC. In addition, the following requirements shall be met:
- 1. Grounding conductors shall be installed as to permit the shortest and most direct path from equipment to ground. All connections to grounding conductors shall be accessible
- 2. Equipment ground continuity shall be maintained through flexible metal conduit.
- 3. All wiring devices equipped with grounding connection shall be solidly grounded to ground system with grounding conductors.
- 4. The frame of all lighting fixtures shall be securely grounded to the equipment ground system with grounding conductors.
- 5. All equipment enclosures, and non-current-carrying metallic parts of electrical equipment, raceway systems, etc., shall be effectively and adequately bonded to ground.
- 6. All equipment enclosures, and non-current-carrying metallic parts of electrical equipment, raceway systems, etc., shall be effectively and adequately bonded to ground.

### 3.12 ELECTRICAL WORK IN CONNECTION WITH OTHER WORK

- A. PLUMBING WORK: The Electrical Contractor shall furnish and install switches and devices as shown and electrical connect electric water heaters, etc. All other electrical work required will be performed by the PLUMBING CONTRACTOR.
- B. HEATING AND AIR CONDITIONING WORK: The Electrical Contractor shall provide all disconnect switches, starters, and associated hardware for the equipment furnished including all line and load side wiring and conduit. Final connections to the equipment will be by the HVAC contractor. All control wiring will be accomplished by the HVAC contractor. Coordinate all work associated with the HVAC
- 3.13 CLEAN UP A. During construction, keep the site clean of debris. Upon completion, and before final inspection, clean up the premises to remove all evidence of work. In addition upon completion of construction leave equipment clean.
- 3.14 GUARANTEE
- A. Guarantee all materials and labor included in the electrical work for a period of one year from date of final acceptance by the Owner. Any part or parts of the work or equipment which prove to be defective during the guarantee period shall be replaced at no additional cost to the Owner.



### ELECTRICAL EQUIPMENT WORKING CLEARANCE PER ARTICLE 110-26 OF N.E.C.

L PIV VI	VIIOLL I	10-2	0 01 14	.L.U.	
	WORKING	CLEAF	RANCES		
VOLTAGE TO			DISTANCE	IN FEE	T
GROUND NOMINAL	CONDITION:	1	2		3
0-150 151-600		3	3 3–1	/2	3 4

### WHERE THE CONDITIONS ARE AS FOLLOWS:

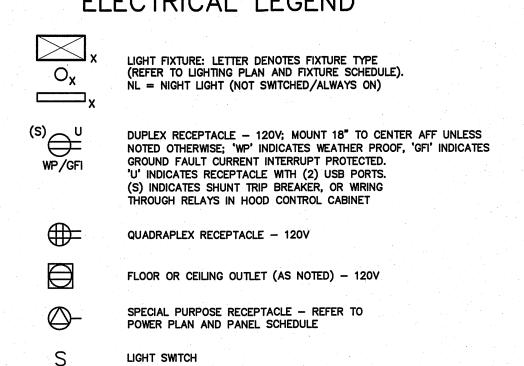
- EXPOSED LIVE PARTS ON ONE SIDE AND NO LIVE OR GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES EFFECTIVELY GUARDED BY SUITABLE WOOD OR INSULATED BUSBARS OPERATING AT NOT OVER 300V SHALL NOT BE CONSIDERED LIVE PARTS.
- 2 EXPOSED LIVE PARTS ON ONE SIDE AND GROUNDED PARTS ON THE OTHER SIDE. EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORK SPACE (NOT GUARDED AS PROVIDED IN CONDITION 1) WITH THE OPERATOR BETWEEN.

ELECTRICAL CLEARANCES

## GENERAL NOTES

- 1 ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL LOCAL CODES HAVING JURISDICTION.
- 2 ALL BRANCH CIRCUIT CONDUCTORS TO BE COPPER (SERVICE CONDUCTORS MAY BE ALUMINUM WITH SAME AMPACITY AS COPPER CONDUCTORS. RE-SIZE CONDUCTERS AND CONDUIT PER NEC.)
- 3 ALL CIRCUITS TO BE 2 #12, 1 #12 GND IN 1/2" EMT CONDUIT AS A MINIMUM. PROVIDE WIRING FOR LARGER CIRCUITS AS REQUIRED BY NEC. RIGID CONDUIT IS REQUIRED WHERE EXPOSED BELOW 8'-0" A.F.F.
- 4 ALL EMPTY CONDUIT RUNS IN EXCESS OF 10 FEET SHALL BE PROVIDED WITH A PULL WIRE OR FISH TAPE/CORD.
- 5 CONTRACTOR SHALL VERIFY THAT ALL DOOR SWINGS ARE CORRECT BEFORE INSTALLING LIGHT SWITCH OUTLETS.
- 6 ALL BRANCH CIRCUIT CONDUCTORS FROM THE PANEL TO THE FIRST OUTLET SHALL BE INCREASED TO THE NEXT LARGER SIZE WHERE THE LENGTH OF THE HOME RUN EXCEEDS 120 FEET ON 120V AND 208V CIRCUITS.
- 7 THE CORRECT NUMBER OF WIRES MAY NOT BE INDICATED FOR ALL CIRCUITS, ONLY THOSE WHERE CLARIFICATION IS NECESSARY. THE ELECTICAL CONTRACTOR SHALL PROVIDE ALL WIRES NECESSARY FOR THE PROPER FUNCTION OF THE SYSTEM WHETHER INDICATED ON DRAWINGS OR NOT.
- 8 THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTLY PHASING THE CIRCUITS IN THE PANELBOARDS.
- 9 THE ELECTRICAL CONTRACTOR SHALL VERIFY THE TYPE OF CEILING SYSTEM WITH THE GENERAL CONTRACTOR TO INSURE THAT ALL LIGHTING FIXTURES ARE COMPATIBLE WITH THE CEILING SYSTEM BEING INSTALLED. LIGHTING FIXTURES SHOULD NOT BE ORDERED UNTIL TYPE OF CEILING HAS BEEN VERIFIED.
- 10 ELECTRICAL REQUIREMENTS INDICATED ON DRAWINGS MAY DIFFER FROM ACTUAL EQUIPMENT FURNISHED. IF FURNISHED EQUIPMENT DIFFERS FROM RATINGS ON DRAWINGS CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER FOR APPROPRIATE ACTION TO BE TAKEN.
- 11 IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE EXACT BREAKER REQUIREMENTS FOR ALL EQUIPMENT PRIOR TO ORDERING PANEL. ADJUST BREAKER AND WIRE SIZES AS REQUIRED.
- 12 PROVIDE BOXES, JACKS, WIRING AND CONDUIT FROM LOCATIONS SHOWN TO MTP LOCATION. VERIFY EXACT REQUIREMENTS WITH OWNER.
- 13 ELECTRICAL CONTRACTOR SHALL PROVIDE ALL DISCONNECTS FOR MECHANICAL & PLUMBING EQUIPMENT. DISCONNECTS SHALL BE PER MANUFACTURES RECOMMENDATIONS AND FUSED PER NAME PLATE. PROVIDE NEMA 3R ENCLOSURES ON EXTERIOR. COORDINATE FUSE SIZES.
- 14 THE EC SHALL MEET WITH THE ARCHITECT AND TENANT PRIOR TO INSTALLING OUTLET BOXES TO VERIFY LOCATIONS AND MOUNTING HEIGHTS OF RECEPTACLES AND TELEPHONE

# ELECTRICAL LEGEND



SWITCH WITH INTEGRAL PIR/US MOTION SENSOR FOR AUTOMATIC SHUT-OFF WITH UP TO 2 HOUR ADJUSTABLE DELAY. DIMMABLE LIGHT SWITCH

MOTOR RATED SWITCH

JUNCTION BOX

TELE/DATA OUTLET - PROVIDE JUNCTION BOX WITH CONDUIT BACK TO MTP. PROVIDE (1) TELEPHONE JACK AND (1) CAT 5 DATA JACK

SINGLE-POLE HOMERUN TO PANELBOARD TWO-POLE OR 3-POLE HOMERUN TO PANELBOARD

**EMERGENCY EGRESS FIXTURE** 

EXIT LIGHT

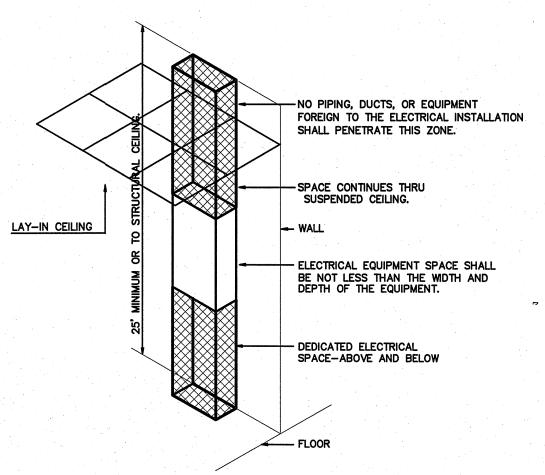
PHOTOCELL

BRANCH CIRCUIT WIRING

GROUND CONNECTION

---- SWITCH LEG

DISTRIBUTION PANELBOARD PANEL A DISCONNECTING MEANS AS REQUIRED BY CODE



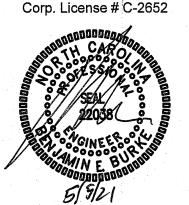
ELECTRICAL EQUIPMENT DEDICATED SPACE PER ARTICLE 110.26.F.1 OF N.E.C.



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PROJECT TITLE MI CANCUN

115 S. RALEIGH ST. ANGIER, NORTH CAROLINA

PROJECT NO. 2006r DRAWING TITLE

**ELECTRICAL SPECIFICATIONS** 

PLOT DATE

5/5/2021

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WALL LEGEND EXISTING WALL TO REMAIN EXISTING WALL TO BE REMOVED

THE SCOPE OF DEMOLITION IS AS FOLLOWS-

REMOVE ALL LIGHTING AND CIRCUITS BACK TO THE PANEL UNLESS OTHERWISE NOTED. REMOVE ALL DEMO'ED LIGHT FIXTURES AND PROPERLY DISPOSE OF ALL FIXTURES, BALLASTS, ETC.

REMOVE ALL DEVICES AND CIRCUITS BACK TO THE PANEL UNLESS OTHERWISE NOTED. REMOVE ALL WIRING AND CONDUITS BACK TO CONCEALED JUNCTION POINT.

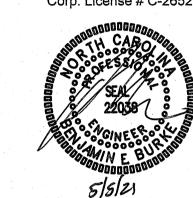
WEEKS SUMMER

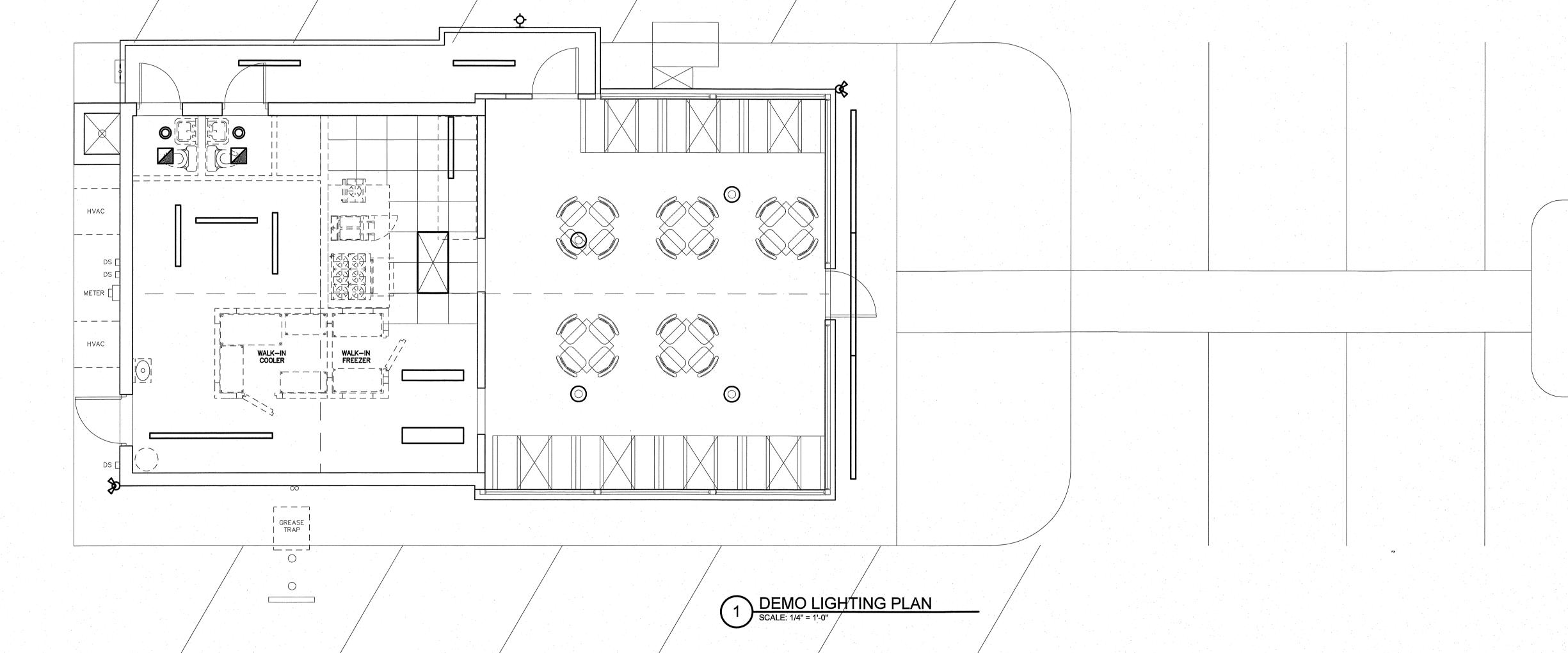
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PROJECT TITLE MI CANCUN

115 S. RALEIGH ST. ANGIER, NORTH CAROLINA

PROJECT NO. 2006r

DRAWING TITLE

DEMO LIGHTING PLAN

PLOT DATE

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5/5/2021

ſ	-	EQ	UIPMENT SCHEDULE		( VERIFY	ALL EQUIPMENT REQUIREMENTS PRIOR TO ROUGH-IN )
	ITEM	QUAN	DESCRIPTION	ITEM	QUAN	DESCRIPTION
Ì	1	1	ICE MACHINE W/ BIN	33A	1	48" FLAT GRIDDLE (GAS)
ſ	2	1	1-DOOR WORKTOP REFRIGERATOR	33B	1	12" RADIANT GRILL (GAS)
	3	1	MILLWORK BACK COUNTERTOP	34	1	60" REFRIGERATED CHEF BASE
ſ	4	1	MARGARITA MACHINE	35	1	STOCK POT BURNER (GAS)
. [	5	1	SOILED DISH RACK STORAGE	36	.1	CHEESEMELTER (GAS)
ſ	6	1	DEEP WELL GLASS FROSTER	37	1	6-BURNER RANGE W/ OVEN (GAS)
ſ	7	LOT	WALLMOUNT CLEAN GLASS SHELVING	38	1	DEEP FRYER (GAS)
ſ	8	1	POINT OF SALE	39	1	UNDERCOUNTER FREEZER
ſ	9	1	BACK BAR REFRIGERATION	40	-	S/S SPLASHGUARD
Γ	10	1	S/S 24" ICE WELL W/ COLD PLATE	41	-	DEEP FRYER (GAS)
ſ	11	1	S/S BAR DUMP SINK	42	1	HIGH TEMP DISHMACHINE
Γ	12	1	S/S BAR HAND SINK	43	1	S/S 48" LH CLEAN DISHTABLE
Γ	13	1	PASS-THRU SHELF	44	2 -	S/S WALLMOUNT RACK STORAGE
Γ	14	1	MILLWORK COUNTERTOP W/ BASE CABINETS	45	1	NOT USED
I	15	1	CLEAN GLASS RACK STORAGE UNIT	46	1	S/S DRYING RACK CART
I	16	2	TEA BREWER / URN	47	2	S/S WALLMOUNT HAND SINK W/ SPLASHGUARDS
	17	1	COFFEE BREWER	48	LOT	S/S FREESTANDING SHELVING UNIT
	18	1	SODA DISPENSER W/ ICE MACHINE	49	2	S/S PREP SINK
	19	1	S/S DROP-IN HAND SINK W/ SPLASHGUARDS	50	1	S/S 16" X 84" WALLMOUNT SHELF
·I	20	1	BAG-IN-BOX UNIT W/ CARBONATOR	51	1	S/S 16" X 84" WALLMOUNT SHELF
	21	-	NOT USED	52	1	S/S 3-COMPARTMENT SINK W/ 24" DRAINBOARDS
	22	-	28" REFRIG SANDWICH/SALAD UNIT	53	1	S/S 15" X 72" WALLMOUNT SHELF W/ POTRACK
	23	1	CARBON DIOXIDE TANK	54	1.	2-DOOR REACH-IN REFRIGERATOR
	24	1	S/S FILLER TABLE W/ UNDERSHELF	55	1	FLY FAN (VERIFY LOCATION/REQUIREMENTS)
	25	1	4-WELL HOT HOLDING TABLE (VERIFY MODEL)	56	1	WATER HEATER IN EXTERIOR ENCLOSURE
	26	1	60" REFRIG SANDWICH / SALAD UNIT	57	1	EXT WALK-IN COOLER/FREEZER COMBO (VERIFY)
	27	1	CHIP WARMER	58	LOT	WALK-IN SHELVING
	28	1	1-DOOR UNDERCOUNTER REFRIGERATOR	59	1	CAN WASH IN EXTERIOR ENCLOSURE
	29	1	S/S 16" X 36" WALLMOUNT SHELF	60	1	EXT STEP-IN KEG COOLER (VERIFY)
	30	1	S/S 16" X 60" WALLMOUNT SHELF	61	1	DRAFT BEER TOWER W/ SPILL/RINSE DRIP TRAY
	31	. 1	S/S PASS-THRU SHELF	62	1	DRAFT BEER REFRIGERATED LINE GLYCOL CHILLER
	32	2	HOOD KEF (X2)	63	1	NITROGEN GENERATOR W/ TANK
ſ	32	1	HOOD KMUA			

HEALTH DEPARTMENT LIGHTING NOTES PRIOR TO INSPECTION, EC SHALL VERIFY THAT THE FOLLOWING MINIMUM LIGHT LEVELS ARE PROVIDED: 10 fc AT A DISTANCE OF 2'-6" ABOVE THE FLOOR IN DRY STORAGE AREAS AND IN OTHER AREAS AND ROOMS DURING CLEAN-UP;

20 fc AT SELF-SERVICE COUNTERS SUCH AS BUFFETS AND SALAD BARS, WHERE FRESH PRODUCE OR PACKAGED FOOD IS SOLD OR OFFERED FOR CONSUMPTION, INSIDE EQUIPMENT SUCH AS REACH-IN AND UNDER-COUNTER REFRIGERATORS, AND AT A DISTANCE OF 2'-6" ABOVE THE FLOOR IN AREAS USED FOR HANDWASHING, WAREWASHING, EQUIPMENT AND UTENSIL STORAGE, AND IN TOILET ROOMS;

50 fc at food preparation surfaces and surfaces where employee safety is a factor such where using knives, slicers, grinders, or saws, etc.

EC SHALL ADJUST LIGHTING AS REQUIRED TO PROVIDE THE NECESSARY MINIMUM LIGHT LEVELS.

THE LIGHTING IN THE KITCHEN AND PREP AREAS ARE DESIGNED AROUND HEALTH DEPARTMENT REQUIREMENTS FOR MINIMUM LIGHT LEVELS. PER SECTION 101.3 OF THE 2012 NC ENERGY CODE, THESE SPACES ARE EXEMPT FROM MEETING THE REQUIRED INTERIOR ENERGY ALLOWNACE PER TABLE 505.5.2.

PROVIDE JUNCTION BOXES FOR WALK-IN COOLER LIGHTS. COORDINATE LOCATION AND REQUIREMENTS.

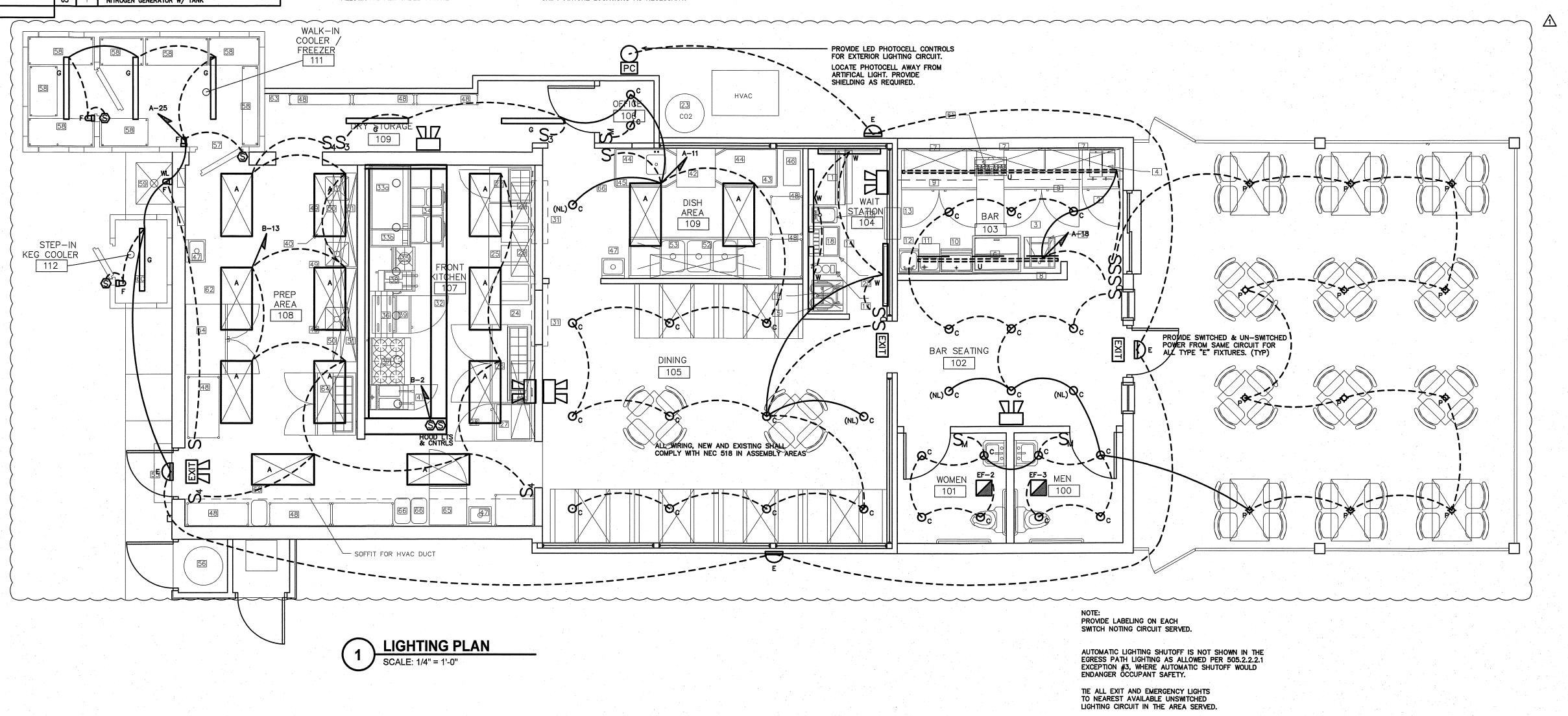
MINIMUM 10fc SHALL BE MAINTAINED IN WALK-IN COOLER. EC SHALL PROVIDE SUPPLEMENTAL FIXTURES IF FREEZER/COOLER GLOBES ARE NOT ADEQUATE. PROVIDE CONDUIT SEALS FOR ALL LOCATIONS WHERE CONDUITS PENETRATE WALK-IN COOLER WALLS.

EC SHALL VERIFY THAT 50fc IS PROVIDED AT ALL EQUIP UNDER THE HOOD PRIOR TO HEALTH DEPT INSPECTION. PROVIDE NEW OR SHIFT FIXTURE LOCATIONS AS NECESSARY.

Мі Са	ncun Angier E3	LIGHTING SCHEDULE	*							
MARK	MANUFACTURER	CATALOG NO.	VOLT.	NO.	LAMPS TYPE	W	BALLAST TYPE	W/ FIXTURE	REMARKS	
Α	COLUMBIA	LJT24-40VLSM-FSA12-EU			LED	-	-	60	LED 2X4 SURFACE-MOUNT FIXTURE, FOOD GRADE LENS	*
С	PRESCOLITE	LF6LEDG4-6MFLED6G435K	120	-	LED	- ,	-	30	LED 6" RECESSED CAN LIGHT	*
Ε	COMPASS	cuso	120	-	LED	-		10	EMERGENCY EGRESS FIXTURE - DUAL MODE, NORMAL AND EMERGENCY OPERATION	*
F	HUBBELL	VTC-5K-G-U	120	_	LED	-	-	28	LED VAPOR TIGHT, COOLER	*
G	COLUMBIA	LXEM4-35ML-RFA-EDU	120	_	LED	_	<b>-</b> .	42	ENCLOSED GASKETED LED STRIP LIGHT	*
U	ASPECT LED	AL-SL-NR-U	120	-	LED	-	-	3W/FT	LED FLEX STRIP LIGHTING, COLOR/FINISH BY ARCH	*
Р	CHOSEN BY OWN	ER/ARCH; PROVIDED BY EC.	120	-	LED	-	_	30	LED PENDANT FIXTURE (\$150 ALLOWANCE)	*
W	ECLIPSE	BU-D-4-4K-EBU	120	-	LED	-	_	40	LED WALL-MOUNT DIRECT LIGHT FIXTURE, FOOD GRADE LENS, COLOR/FINISH BY ARCH	*
EXIT	MULE	PVT-U-B-R-U-SD	120	-	LED	_	-	<del>-</del>	EXIT LIGHT, COLOR/FINISH BY ARCH	*
照	MULE	SQRXU	120	-	LED	-	-	_	COMBINATION EMERGENCY/EXIT LIGHT, COLOR/FINISH BY ARCH	*
$\overline{\mathbb{R}}$	MULE	SQLED	120	-	LED	-	-	<del>-</del> ,	EMERGENCY LIGHT, COLOR/FINISH BY ARCH	*

VERIFY HEIGHT/LOCATION OF ALL SWITCHES AND DEVICES PRIOR TO INSTALLATION.

\* OR APPROVED EQUAL. PROVIDE CUT SHEETS FOR OWNER APPROVAL PRIOR TO ORDERING FIXTURES.



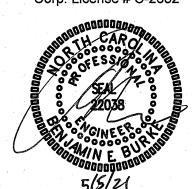
WEEKS SUMMER

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PROJECT TITLE MI CANCUN

115 S. RALEIGH ST. ANGIER, NORTH CAROLINA

PROJECT NO. 2006r DRAWING TITLE LIGHTING PLAN

PLOT DATE

12/30/2020 ⚠ PLAN REVISIONS 5/04/2021

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MI Cancun Angier E4

WALL LEGEND

EXISTING WALL TO REMAIN

EXISTING WALL TO BE REMOVED

HVAC

METER [

HVAC

PANEL 'X'

- EXISTING ELECTRICAL PANELS/SERVICE TO REMAIN.

WALK-IN COOLER

GREASE TRAP

0

:\_\_<del>\_</del>\_

DEMO POWER PLAN

SCALE: 1/4" = 1'-0"

THE SCOPE OF DEMOLITION IS AS FOLLOWS—
REMOVE ALL DEVICES AND CIRCUITS BACK TO THE PANEL UNLESS OTHERWISE NOTED.
REMOVE ALL WIRING AND CONDUITS BACK TO CONCEALED JUNCTION POINT.

WEEKS
SUMMER
RCHITECTS

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ENGINE

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PROJECT TITLE
MI CANCUN

115 S. RALEIGH ST. ANGIER, NORTH CAROLINA

PROJECT NO.

2006r

DRAWING TITLE

DEMO POWER PLAN

5/5/2021

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KITCHEN/BAR AREA: ALL SINGLE PHASE RECEPTACLES 50A OR LESS, 150 VOLTS TO GROUND OR LESS AND ALL THREE PHASE RECEPTACLES 100A OR LESS, 150 VOLTS TO GROUND OR LESS SHALL BE GFCI PROTECTED.

EC PROVIDE WIRING FROM HOOD CONTROLS TO FANS ON ROOF. VERIFY HOOD FANS HAVE INTEGRAL DISCONNECTING MEANS ON ROOF AS SPECIFIED. IF NOT, PROVIDE WP/NEMA—3R RATED DISCONNECTING MEANS AS REQUIRED. PROVIDE FAN DISCONNECTING MEANS WITH—IN SIGHT OF HOOD CONTROLLER. SEE MECH SHEETS FOR KITCHEN HOOD FAN LOCATIONS.

CO DETECTOR(S) REQUIRED IN ALL A2 OCCUPANCY (RESTAURANT) SPACES WITH GAS FUEL FIRED EQUIPMENT. PROVIDE IN KITCHENS AND ANY OTHER AREAS OPEN TO KITCHENS

(S) RECEPTACLES SHALL RUN THROUGH HOOD CONTROL RELAYS FOR "SHUNT PURPOSES". SHUNT TRIP IS ONLY REQUIRED FOR ELECTRICAL HEAT GENERATING EQUIPMENT. NOT REQUIRED FOR THIS PROJECT.

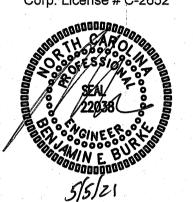
	EQUIPMENT SCHEDULE																						
	EQU	JIPMENT SCHEDULE	100												- '	÷.				( VI	ERIFY /	ALL EQUIPMENT REC	UIREMENTS PRIOR TO ROUGH-IN )
ITEM Q	IIAN	DESCRIPTION			ELE	ECTRICAL	CHARAC	CTERISTIC	S			ITEM	QUAN	DESCRIPTION			ELE	CTRICAL	CHARAC	TERISTIC	s '		
IILM G	OAI1	DESCRIPTION	FLA	MCA	MOCP	WATTS	HP	VOLTS	PH	CONNECTION	WRE SIZES	IILM	WO AT	DESCRIPTION	FLA	MCA	MOCP	WATTS	HP	VOLTS	PH	CONNECTION	WRE SIZES
1	1	ICE MACHINE W/ BIN	12A	_	20A	_	_	240	1	DISCONNECT	3-#12, 1-#12 GND IN 3/4" CONDUIT	33A	. 1	48" FLAT GRIDDLE (GAS)	_		_	· _	_	_ `-	-	_ ', '	
2	1	1-DOOR WORKTOP REFRIGERATOR	2.2A	-	20A	_	1/5	120	1	5-15	2-#12, 1-#12 GND IN 1/2" CONDUIT	33B	1	12" RADIANT GRILL (GAS)		- "	_	_	_	_	-		
3	1	MILLWORK BACK COUNTERTOP	_		_		_	_ ·	-	_		34	1	60" REFRIGERATED CHEF BASE	3.2A	-	20A	_	1/4	120	1	5–15	2-#12, 1-#12 GND IN 1/2" CONDUIT
4	1	MARGARITA MACHINE	_	_	20A	1700	1/2	120	1	5-15	2-#12, 1-#12 GND IN 1/2" CONDUIT	35	1	STOCK POT BURNER (GAS)	_	-	-	_	- '	_	·	<u>-</u>	
5	1	SOILED DISH RACK STORAGE	_	-	- ,	-		_	-		-	36	1	CHEESEMELTER (GAS)	_	_	_	_	· <u>-</u>	_	_	- '- ,	
- 6	1	DEEP WELL GLASS FROSTER	1.6A	-	20A	-	1/3	120	1	5-15	2-#12, 1-#12 GND IN 1/2" CONDUIT	37	1	6-BURNER RANGE W/ OVEN (GAS)	_	-	_	_	-		-		_
7	LOT	WALLMOUNT CLEAN GLASS SHELVING	_	-	_		-		-	<u>-</u> . Y .	<u>-</u> 2.1	38	1	DEEP FRYER (GAS)	_	-	_	_	-		_		
8	1	POINT OF SALE	_	-	20A	_	_	120	1	5-15	2-#12, 1-#12 GND IN 1/2" CONDUIT	39	1	UNDERCOUNTER FREEZER	1.9A	- '	20A	_	1/3	120	1	5–15	2-#12, 1-#12 GND IN 1/2" CONDUIT
9	1	BACK BAR REFRIGERATION	2.8A	_	20A	-	1/3	120	1	5-15	2-#12, 1-#12 GND IN 1/2" CONDUIT	40	_	S/S SPLASHGUARD	-	_	_	-	-	_	-	_	
10	.1	S/S 24" ICE WELL W/ COLD PLATE	-			_	_	·	-	-	_	41	_	DEEP FRYER (GAS)	-		-		_	_	_	<u>-</u> "	
11	1	S/S BAR DUMP SINK	_		,		_	****	-	_	_	42	1	HIGH TEMP DISHMACHINE	68.8A	_	90A	-	-	240	1	DISCONNECT	2-#3, 1-#8 GND IN 1" CONDUIT
12	1	S/S BAR HAND SINK	_	_ '	-			1	_	<del>-</del>		43	1	S/S 48" LH CLEAN DISHTABLE	_		_	_	_	_	_	<b>-</b>	
13	1	PASS-THRU SHELF		_	_		-	_	_	_		44	2	S/S WALLMOUNT RACK STORAGE	_	-	-	_	_	_		_	
14	1 ',	MILLWORK COUNTERTOP W/ BASE CABINETS	_	_	· _	<u> </u>	_		-		<del>-</del>	45	1	NOT USED	-	_	_	· _,		-	_	- :	_
15	1	CLEAN GLASS RACK STORAGE UNIT	-		****	_				_		46	1	S/S DRYING RACK CART	_	_		_				_	
16	2	TEA BREWER / URN	14.8A	_	20A	_	_	120	1	5-15	2-#12, 1-#12 GND IN 1/2" CONDUIT	47	2	S/S WALLMOUNT HAND SINK W/ SPLASHGUARDS	-	_	_	·	_	<u></u>	_		<u> </u>
17	1	COFFEE BREWER	13.9A	_	20A	_	_	120	1	5-15	2-#12, 1-#12 GND IN 1/2" CONDUIT	48	LOT	S/S FREESTANDING SHELVING UNIT		_	_		_	_			
18	1	SODA DISPENSER W/ ICE MACHINE	_	_	20A	300	_	120	1	5-15	2-#12, 1-#12 GND IN 1/2" CONDUIT	49	2	S/S PREP SINK	_			_	-	_	_	_ `	_
19	1	S/S DROP-IN HAND SINK W/ SPLASHGUARDS			_	_	_		_			50	1	S/S 16" X 84" WALLMOUNT SHELF				-		/	. —	_ ''	
20	1	BAG-IN-BOX UNIT W/ CARBONATOR	7.2A	_	20A		_	120	1	5-15	2-#12, 1-#12 GND IN 1/2" CONDUIT	51	1	S/S 16" X 84" WALLMOUNT SHELF	_	-		_	. —	_	_	<u>-</u>	
21	-	NOT USED	_		_	1 - 2	_	_	_	_	_	52	1	S/S 3-COMPARTMENT SINK W/ 24" DRAINBOARDS		_	_	_	_		_	_	
22		28" REFRIG SANDWICH/SALAD UNIT	3.8A	_	20A	_	_	120	1	5-15	2-#12, 1-#12 GND IN 1/2" CONDUIT	53	1	S/S 15" X 72" WALLMOUNT SHELF W/ POTRACK	-	-	<del></del>				_		
23	1	CARBON DIOXIDE TANK	_	_		_	_	. <del>.</del> .	, — ,	<del>-</del>		54	1	2-DOOR REACH-IN REFRIGERATOR	2.3A	_	20A	_	1/5	120	1.	5-15	2-#12, 1-#12 GND IN 1/2" CONDUIT
24	1	S/S FILLER TABLE W/ UNDERSHELF	_	_	_	· -	_		_	_	_	55	1	FLY FAN (VERIFY LOCATION/REQUIREMENTS)	_	-	20A	500	-	120	1	5-15	2-#12, 1-#12 GND IN 1/2" CONDUIT
25	1	4-WELL HOT HOLDING TABLE (VERIFY MODEL)	_	_	30A	2000	_	120	1	5-30	2-#10, 1-#10 GND IN 3/4" CONDUIT	56	1	WATER HEATER IN EXTERIOR ENCLOSURE	- 1	_	_	-	- 2	_	_	_	-
26	1	60" REFRIG SANDWICH / SALAD UNIT	4.4A	_	20A	_	1/3	120	1	5-15	2-#12, 1-#12 GND IN 1/2" CONDUIT	57	1	EXT WALK-IN COOLER/FREEZER COMBO (VERIFY)	_	_	20A	_	-	240	1	DISCONNECT (2)	3-#12, 1-#12 GND IN 3/4" CONDUIT
27	1	CHIP WARMER	12.5A	_	20A	1500	_	120	1	5-15	2-#12, 1-#12 GND IN 1/2" CONDUIT	58	LOT	WALK-IN SHELVING		· –	-	_	_	-	-		<u> </u>
28	1	1-DOOR UNDERCOUNTER REFRIGERATOR	2.2A	_	20A	_	1/5	120	1.	5-15	2-#12, 1-#12 GND IN 1/2" CONDUIT	59	1	CAN WASH IN EXTERIOR ENCLOSURE	_	_		_		_	-	-	_
29	1	S/S 16" X 36" WALLMOUNT SHELF	-	-	l –	I	T -	-	T - 1	_	_	60	1	EXT STEP-IN KEG COOLER (VERIFY)		_	20A	_	-	240	1	DISCONNECT	3-#12, 1-#12 GND IN 3/4" CONDUIT
30	1	S/S 16" X 60" WALLMOUNT SHELF	_	_	-	I -	_		_	_	_	61	1	DRAFT BEER TOWER W/ SPILL/RINSE DRIP TRAY	_	_	_		_	_	_	-	_
31	1	S/S PASS-THRU SHELF	_		_		_		-	_		62	1	DRAFT BEER REFRIGERATED LINE GLYCOL CHILLER	12.1A	_	20A	_	1/3	120	1	5–15	2-#12, 1-#12 GND IN 1/2" CONDUIT
32	2	HOOD KEF (X2)	11.6A		20A	I -	1	120	1	DISCONNECT	2-#12, 1-#12 GND IN 1/2" CONDUIT	63	1	NITROGEN GENERATOR W/ TANK	5A		20A	_	_	120	1	5–15	2-#12, 1-#12 GND IN 1/2" CONDUIT
32	1	HOOD KMUA	8.1A	_	20A	_	1	120	1	DISCONNECT	2-#12, 1-#12 GND IN 1/2" CONDUIT										,		

WEEKS SUMMER

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ENGINEER

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PROVIDE CONDUIT SEALS FOR ALL LOCATIONS WHERE CONDUITS PENETRATE WALK-IN COOLER WALLS. VERIFY EXACT LOCATION OF COOLER/FREEZER EQUIP. W/ OWNER/ARCH. WALK-IN COOLER VERIFY ELEC CONNECTION/REQUIREMENTS FOR EXISTING 'SPHP-1' TO REMAIN. UPGRADE OR ADJUST AS NECESSARY TO MEET REQUIREMENTS. F<u>REEZER</u> 58 58 NEMA B-22,24 58 DRY STORAGE **B**−26,28 42 104 STEP-IN KEG COOLER 112 PROVIDE TIME CLOCK, JUNCTION BOX AND SWITCH FOR SIGN CIRCUIT. SWITCH SHALL BE LOCATED WITHIN SIGHT OF SIGN OR BE CAPABLE OF BEING LOCKED IN THE OPEN POSITION PER NEC 600.6. COORDINATE LOCATION WITH TENANT. (TYP) METER BAR SEATING 102 105 28 27 ALL WIRING, NEW AND EXISTING SHALL COMPLY WITH NEC 518 IN ASSEMBLY AREAS 101 MEN 100 48 ALL RECEPTACLES IN KITCHEN/BAR AREA SHALL BE GFCI PROTECTED A-28,30 DISCONNECT SWITCH PROVIDED FOR GWH.
SWITCH TO BE SUITABLE FOR OUTDOOR USE.
PROTECT POWER CONNECTIONS FROM WEATHER
AND PROVIDE STRAIN RELIEF FOR FLEXIBLE CORDS. AHU-1 NEW NOTE: PROVIDE LABELING ON EACH RECEPTACLE NOTING CIRCUIT SERVED. 1 POWER PLAN COORDINATE LOCATION AND MOUNTING OF ALL DISCONNECTS AND RECEPTACLES WITH EQUIPMENT SERVED. DO NOT BLOCK ANY ACCESS PANELS OR NAMEPLATE DATA. PROVIDE SEPARATE SUPPORTS IF REQUIRED. THERE SHALL BE A WP/GFI RECEPTACLE WITHIN 25'-0" OF ALL EXTERIOR EQUIP. PROVIDE AS REQUIRED. HP-1 NEW 5 TON VERIFY HEIGHT/LOCATION OF ALL DEVICES PRIOR TO INSTALLATION.

PROJECT TITLE MI CANCUN

115 S. RALEIGH ST. ANGIER, NORTH CAROLINA

PROJECT NO. 2006r

DRAWING TITLE POWER PLAN

PLOT DATE

12/30/2020 ⚠ PLAN REVISIONS 5/04/2021

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Mi Cancun Angier E		V TV	VIRIN	IG	SCHEDULE
EQUIPMENT	MCA	МОСР	VOLTS	PH	WIRE SIZE
AHU-1	58.5A	60A	240V	1	3-#6, 1-#10 GND IN 1" CONDUIT
HP-1	34.2A	50A	240V	1	3-#8, 1-#10 GND IN 3/4" CONDUIT
RTU-1	47.3A	50A	208V	1	3-#8, 1-#10 GND IN 3/4" CONDUIT

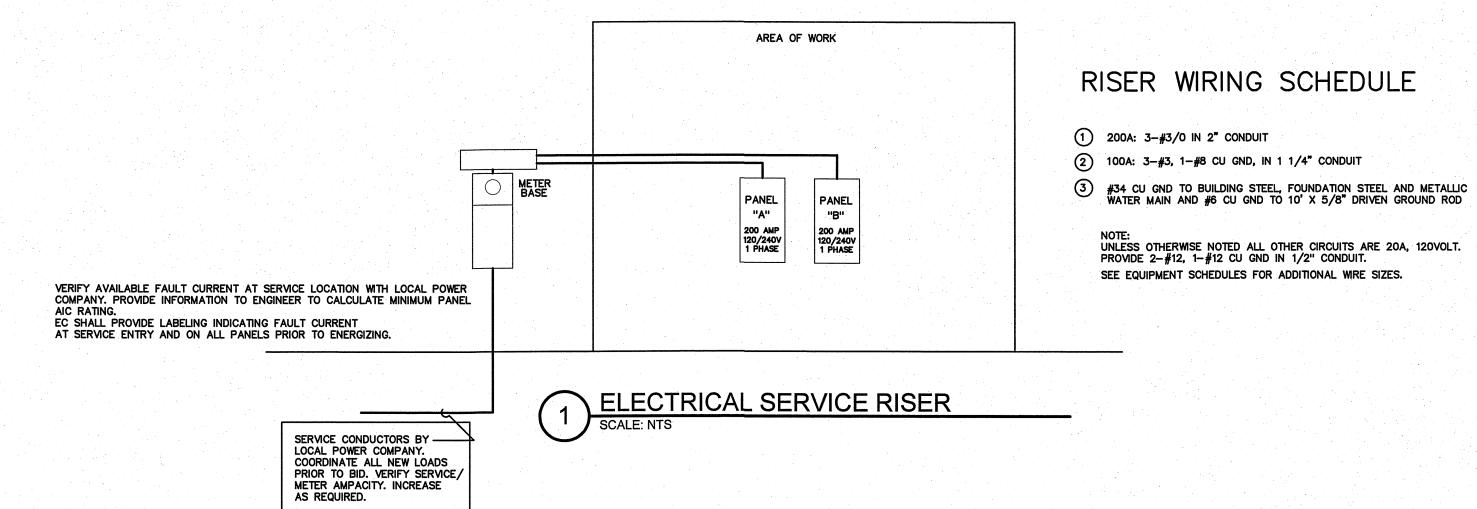
NOTE: THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL EQUIPMENT ELECTRICAL REQUIREMENTS PRIOR TO ROUGH-IN AND RELEASING GEAR. ADJUST BREAKER, WIRE SIZES, ETC. AS REQUIRED.

LEVICTINIA DANIEL 'A' I	MAKE:	CUTLER HA	RATING:_1 MOUNTING MINIMUM	3: <u>FLU</u>	SH		3 WRE	MLO_MAIN CIRCUIT BREAKER EQUIPMENT GROUND BUSXYES □NO SERVICE ENTRY RATED□YES □NO					
LOAD Service	CKT BRKR	WATTS PE	r Phasi B	CKT NO	NEU A	TRAL B	CKT NO	WATTS I	PER PHASE B	CKT BRKR	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	LOAD SERVICE	
WALK-IN FREEZER	30A			3		<u> </u>	2			30A	SPARE		
WALK-IN COOLER SPARE	20A			5			6 8			30A	HOT BAR	. %	
•	30A			9			10			20A	REGISTER		
LTS HEATER	20A 20A		ess ess ess	11			12			20A	SPACE SPARE		
ICE MACHINE	20A			15			16			20A	SPARE		
· SPACE	20A			17 19			18 20			20A 100A	LTS AC-1		
SPACE	20A			21	$\bigcap$		22			1001	SPACE		
LTS	20A			25	$\bigcap$		26				SPACE		
•	30A			27	$\frac{1}{1}$		28 30			60A	•		
NOTES SUB-TOT	ALS 'B'				_20	0A_	BUS			SUB-	TOTALS 'A'		
					_20	<u> </u>	LUGS				TOTALS 'B'	TOTAL CO	NNECTED LOAD
					20 	<u> </u>	FEED SIZE	A	A		/PHASE		

REVISED PANEL A	Mi Cancun Angier E6	I MAKE.	CUTIER H	AMMER D	ATINIC.	120/240	<u>1</u>	DUACE	3 MADE	MI O MA	N CIDO	UIT DDEAKE	'n	
NAMINON AC: VERIFY   SERVICE ENTRY RATED	REVISED PANEL '	A * 1						PHASE	<u>J WIKE</u>					
LOAD SCRYGE BRKR A B NO A B BKKT SCRY SCRYGE SCRYG		TIPE: -	VEINIT I	1 .				-						
SERWICE   BRKR   A   B   NO   A   B   BRKR   SERWICE				M	NIMUM	AIC: V	ERIF	Υ		SERVICE EN	HRY RA	A IED	LIYES I	
MALK-IN COOLER/FREEZER   20A   1200   1   2   1200   20A   MALK-IN COOLER/FREEZER	LOAD	CKT	WATTS P	ER PHASE	CKT	NEUTI	RAL	CKT	WATTS F	PER PHASE	CKT		LOAD	
CHINC PUMP	SERVICE	BRKR	Α	В	NO	A	В	NO	Α	В	BRKR		SERVICE	
CHINC PUMP	WALK-IN COOLER/FREEZER	204	1200		1		1	2	1200		004	WALK-IN C	OOLER/FREE	ZER
SPARE 30A 7 8 1200 20A SEC. POS 1.TS. DINING,HALL 20A 484 11		ZUA		1200	3		$\downarrow \frown$	4		1200	ZUA			
SPARE   30A     7   8   1200   20A   REC: POS       9     10   350   20A   REC: POS       9     12   720   20A   REC: POS       9     12   720   20A   REC: POS       9     12   720   20A   REC: POS       13   144   720   20A   REC: POS       14   720   720   20A   REC: POS       15   720   20A   REC: POS       16   720   20A   REC: POS       17   18   1440   720   20A   REC: POS       1440   7	CIRC PUMP	20A	300				$\downarrow \frown$		1200		201	STEP-IN K	EG COOLER	·
SUB_TOTALS   Sub					<del></del>		$\downarrow \frown$			1200	20A			
LTS: DINING,HALL 20A 484 11		30A			9		1		360		20A	REC: POS		
SUB_TOTALS   20A   300   13	LTS: DINING.HALL	20A		484	11	$\cap$	$\downarrow \frown$	12		720			DNING	
NITRO GENERATOR (63)   20A   528   17			300		13	$\overline{}$	$\downarrow \cap$		720					
REC. RITCHEN 20A 180 19				600			$\overline{}$			720				
REC. KITCHEN   20A   180   19			528		17	$\overline{}$	$\downarrow \frown$	18	1440					·
SIGN   20A   180   21				180	19	$\overline{\Box}$	<b>↓</b>	20		4572				
SIGN   20A   1200   23   24     SPACE		20A	180		21	$\cap$	$\downarrow \cap$	22	4572		DUA	•		
NOTES   SUB-TOTALS 'B'   7064   6976   \$\timess{200}	SIGN			1200	23		$\rightarrow$	24				SPACE		* * * * * * * * * * * * * * * * * * * *
NOTES   SUB-TOTALS 'B'   7064   6976   \$\infty \cong 2000   BUS   15012   13932   SUB-TOTALS 'A'   2000   EVISTING/UNCHANGED CIRCUIT   2000   EVISTING   2000   EVISTING   2000   GRAND TOTAL   TOTAL CONNECTED LOAD   TOTAL CONNECTED	LTS: EXT,COOLER	20A	320	1	25	$\cap$	+	26				SPACE		:
NOTES   SUB-TOTALS 'B'   7064   6976	HP-1	504		3312	27	$\cap$	$\overline{}$	28		5520	EO.A	AHU-1		
200A   LUGS   7064   6976   SUB-TOTALS 'B'	•	JUA	3312		29			30	5520		DUA	•		
200A   LUGS   7084   6976   SUB-TOTALS 'B'     200A   FEED   22076   20908   GRAND TOTAL     200A   GRAND TOTAL   200A   20008   20008     200A   FEED   22076   20908   20008   20008     200A   FEED   22076   200A   20008     200A   FEED   22076   200A   20008     200A   200A   200A   20008     200A   200A   200A   200A   20008     200A   200A   200A   200A   200A   200A     200A   200A   200A   200A   200A   200A   200A     200A   200A   200A   200A   200A   200A   200A   200A     200A	NOTES	SUB-TOTALS 'B'	7064	6976	$\bowtie$	200	A	BUS	15012	13932	SUB-	TOTALS 'A'		
NEC ALLOWABLE DEMAND FACTORS   DIVERSIFIED LOAD SUMMARY	EXISTING /UNCHANGED CIRC	CUIT			,			LUGS	7064	6976	SUB-	TOTALS 'B'	TOTAL COM	NEOTED LOAD
VERIFY   SIZE   184A   174A   AMPS/PHASE		0011						FEED	22076	20908	GRANI	TOTAL	IUIAL CON	NECIED LUAD
DIVERSIFIED LOAD SUMMARY								SIZE	184A	174A	AMPS	/PHASE		
DEMAND FACTORS PER NEC 220	NEC ALLOWABLE DE	EMAND FACTO	RS	DIVERSI	FIED	LOAD :	SUMI	MARY						
DEMAND FACTORS PER NEC 220										T .				
CONNECTED LOAD  TRACK LIGHTING  TOTAL  TRACK LIGHTING  TOTAL	1 ¥ .									B	TOTAL	. DIVERSIFIE	D LOAD	
3 NEC TABLE 220.56  (4) NEC 220.51 (5) NEC 220.43A, 200 VA/LINEAR FT (6) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (5) THE TWO LOADS IS COUNTED  (6) NON-COINCIDENT LOADS IS COUNTED  (7) THE TWO LOADS IS COUNTED  (8) NON-COINCIDENT LOADS IS COUNTED  (8) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (8) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (8) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (8) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (8) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (8) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (8) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (8) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (8) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (8) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (8) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (8) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (8) NON-COINCIDENT LOADS, LARGEST OF THE TWO LARGEST OF THE TWO LOADS IS COUNTED  (8) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (8) NON-COINCIDENT LOADS, LARGEST OF THE TWO LARGEST OF THE T		IABLE 220.12 OR				(								
A NEC 220.51														-
(a) NEC 220.43A, 200 VA/LINEAR FT (b) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (b) NON-COINCIDENT LOADS IS COUNTED  (c) NON-COINCIDENT LOADS IS COUNTED  (c) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (c) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (c) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (c) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (c) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (d) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (d) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (d) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (d) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (d) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  (EQUIPMENT ALL OTHERS 100% 10092 10092 20184  (EQUIPMENT ALL OTHERS 100% 10092	=													
(6) NON-COINCIDENT LOADS, LARGEST OF THE TWO LOADS IS COUNTED  WATER HEATERS 125%	<u> </u>			1		RGEST								
OF THE TWO LOADS IS COUNTED    KITCHEN EQUIPMENT						l others			10092	10092		20184		
FIX. ELEC. SPACE HEAT. (4) 100% SHOW WINDOW LIGHTS (5) 125% SIGN 125% 1500 1500 MISC 100% 600 600  PHASE (TOTAL VA) 21576 20687 42263  TOTAL 1004 1704 VOLT AMPS - 1704 TOTAL						NT 4			3284	2730		6014		
SHOW WINDOW LIGHTS 6 125% SIGN 125% 1500 1500 MISC 100% 600 600  PHASE (TOTAL VA) 21576 20687 42263  TOTAL 1004 1704 VOLT AMPS - 1704 TOTAL	OF THE TWO LOADS	12 COON IED											· · · · · · · · · · · · · · · · · · ·	
MISC 100% 600 600  PHASE (TOTAL VA) 21576 20687 42263  TOTAL 1004 1704 VOLT AMPS - 1704 TOTAL							3 1	25%					:	
PHASE (TOTAL VA) 21576 20687 42263  TOTAL 4004 4704 VOLT AMPS - 4704 TOTAL											-			
TOTAL 1004 1704 VOLT AMPS - 1704 TOTAL				MISC		MILAN	744	00%						
AMPS 180A 172A VOLTS = 176A AMPS				<u> </u>		PHASE				2008/	140			TOTAL
								AMPS	180A	172A		VOLTS	176A	AMPS

EXISTING PANEL 'B'	MAKE: _\ TYPE: _\		M	OUNTIN	120/240 1 G: FLUSH AIC: VERIF		3 WRE	EQUIPMENT	GROUN	UIT BREAKE ND BUS ATED	_⊠YES □NO
LOAD Service	CKT BRKR	WATTS PE	R PHASE B	CKT NO	NEUTRAL A B	CKT NO	WATTS I	PER PHASE B	CKT BRKR		LOAD SERVICE
SPARE	20A		:	1	$\sim$	2			<del> </del>	HOOD LTS	
SPARE	20A			3	$\sim$	4			20A	SPARE	
REFRIG.	20A			5	$\sim$	6			20A	SPARE	
SPARE	20A			7	$\sim$	8			ZUA		
OUTSIDE FAN	20A			9	$\sim$	10			30A	SPARE	
SPARE	20A			11		12			00/1		
LTS	20A			13		14			30A	SPARE	
REC	20A			15		16			00/1		
REC	20A			17		18			30A	SPARE	
LTS	20A			19		20	,		00/1		
REFRIG.	20A			21		22			50A	AC-2	
SPACE				23		24			00/1		
SPACE				25		26			30A	AC-3	
SPACE				27		28			00/1		
SPACE				29		30				SPACE	
NOTES SUB-TO	TALS 'B'			$\bowtie$	_200A	BUS			SUB-	TOTALS 'A'	
		-			_200A	LUGS			SUB-	TOTALS 'B'	TOTAL CONNECTED L
					_200A	FEED			GRANI	D TOTAL	IOIAL CONNECTED D
					VERIFY	SIZE	A	A	AMPS	/PHASE	

REVISED PANEL 'B'	MAKE: _		мо	OUNTING	120/240 G: <u>FLUSH</u> AIC: <u>VER</u>		3 WRE	MLO MAI EQUIPMENT SERVICE EN	GROUN		`)⊠(YES □NO
LOAD Service	CKT BRKR	WATTS PI A	R PHASE B	CKT NO	NEUTRAL A B	- CKT NO	WATTS I	PER PHASE B	CKT BRKR		LOAD SERVICE
1-DOOR REFRIG (2)	20A	264		1	$\bigcap$	2	800		20A	HOOD LTS/	CNTRLS
MARGARITA MACHINE (4)	20A		1700	3	$\sim$	$\overline{}$		264			C REFRIG. (28)
GLASS FROSTER (6)	20A	192		5		6	1500			CHIP WARM	
BACK BAR REFRIG (9)	20A		336	7		∩ 8		528		60" REFRIG	
BACK BAR REFRIG (9)	20A	336	·	9	$\sim$	10	2000			1	NG TABLE (25)
HOT HOLDING (65)	20A	- :	1200	11		12		456		28" REFRIG	
LTS: KITCHEN	20A	712		13		14	228			UC FREEZE	
BAG N BOX (20)	20A		864	15		16		972		HOOD KMU	
COFFEE BREWER (17)	20Å	1668		17		18	1392			HOOD KEF-	
TEA BREWER (16)	20A		1776	19		20		1392		HOOD KEF-	
TEA BREWER (16)	20A	1776		21		22	3564			SPHP-1	
DISH MACHINE (42)			8256	23	$\cap$	24		3564	50A		
	90A	8256		25		26	1440		20A	ICE MACHIN	NE (1)
FLY FAN (55)	20A		500	27		<b>○</b> 28		1440			
REFRIG CHEF BASE (34)	20A	384		29		<u> </u>	276				EACH-IN (54)
NOTES SUB-1	TOTALS 'B'	13588	14632	XXX	_200A	BUS	11200	8616	SUB-	TOTALS 'A'	
EXISTING/UNCHANGED CIRCUIT					_200A	LUGS	13588	14632	SUB-	TOTALS 'B'	TOTAL CONNECTED LO
NEW/REVISED CIRCUIT					_200A	FEED	24788	23248	GRAN	D TOTAL	IOINE COMMEDIED EC
					<u>VERIFY</u>	SIZE	207A	194A	AMPS	/PHASE	
NEC ALLOWABLE DEMAN	D FACTO	RS	DIVERSI	FIED	LOAD SU	MMARY					
① DEMAND FACTORS PER NE			LOAD	TYP		DEMAND FACTOR①	Α	В	TOTAL	. DIVERSIFIE	D LOAD
② LARGEST OF: NEC TABLE : CONNECTED LOAD	220.12 OR	[	GENERAL L		2		890			890	
3) NEC TABLE 220.56			TRACK LIGH GENERAL U			125% ≤10KVA@100%					
<b>— —</b>			RECEPTACL	ES		>10KVA@50%		<b> </b>			
(4) NEC 220.51	FAD ET		MOTORS AN	_	RGEST	125%	4455	4455		8910	
	(5) NEC 220.43A, 200 VA/LINEAR FT (6) NON-COINCIDENT LOADS, LARGEST				L OTHERS	100% 125%					
OF THE TWO LOADS IS COL			WATER HEA	PUIPMEN		65%	13333	12795		26128	
		<b> </b>	FIX. ELEC.			100% 125%					
			SIGN	J., LIG		125%		<del> </del>			
			MISC 100% PHASE (TOTAL VA)					47050		75000	
		L			rnase (1	TOTAL AMPS	18678 156A	17250 144A		35928 LT AMPS VOLTS	= 150A TOTAL AMPS





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PROJECT TITLE MI CANCUN

115 S. RALEIGH ST. ANGIER, NORTH CAROLINA

PROJECT NO. **2006r** 

DRAWING TITLE
ELECTRICAL PANELS & RISER

166

PLOT DATE

This original sheet is 24" x 36"; other dimensions indicate it has been altered.

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5/5/2021