ELECTRICAL SYMBOL LEGEND

CEILING FIXTURE

LIGHTING FIXTURES AND OUTLETS

(LETTER INDICATES FIXTURE TYPE)

WALL MOUNTED LIGHT FIXTURE

WALL WASHER, NON-SHADED AREA LIGHT SIDE BATTERY PACK, NUMBER OF HEADS AS SHOWN

SWITCHES (ALL SWITCHES AT +44" UNLESS NOTED OTHERWISE)

- SINGLE POLE SWITCH
- SWITCH & PILOT LIGHT
- KEY OPERATED SWITCH
- DIMMER SWITCH
- THERMAL OVERLOAD SWITCH

RECEPTACLES (MOUNTED AT +18" TO CENTER UNLESS NOTED OTHERWISE)

O- SINGLE RECEPTACLE

DUPLEX RECEPTACLE

DOUBLE DUPLEX RECEPTACLE

GFI RECEPTACLE

PANELS AND RELATED ITEMS PANELBOARD - SURFACE AT +72" TO TOP

COMMUNICATIONS

EXISTING

PANEL

'L4'

EXISTING

PANEL

'L5'

EXIST.

GENERAL JUNCTION BOX MOTOR DISCONNECT SWITCH X CEILING FAN RACEWAYS CONDUIT CONCEALED ABOVE CEILING OR IN WALL

MOUNTING HEIGHTS GIVEN ARE STANDARD. WHERE DIMENSIONAL NUMBERS ARE SHOWN AT SYMBOL, THIS SHALL BE THE MOUNTING HEIGHT OF THIS DEVICE. MOUNTING HEIGHTS ARE TO CENTERLINE OF DEVICE, UNLESS INDICATED OTHERWISE.

HOMERUN CONDUIT LONG STROKES INDICATE NEUTRAL CONDUCTOR SHORT STROKES INDICATE PHASE OR SWITCHED WIRES LONG STROKES WITH DOT INDICATES GROUNDING CONDUCTOR

ALTERNATING CURRENT ABOVE FINISH FLOOR ALUMINUM ALTERNATE AMERICAN WIRE GAUGE BC BARE COPPER BUILDING BLDG CONDUIT CB CIRCUIT BREAKER CKT CIRCUIT CLG CEILING CTR COUNTER CU COPPER DISC DISCONNECT DN DOWN DRAWING DWG

AMPERE(S)

ABBREVIATIONS EXISTING TO REMAIN ELECTRICAL CONTRACTOR EA EACH EMPTY CONDUIT ELECTRICAL OR ELECTRIC ELECTRICAL METALLIC TUBING EMT GROUND FAULT INTERRUPTER *G*FI GROUND GND HORSEPOWER HP INTERMEDIATE METALLIC CONDUIT IMC

IN JUNCTION BOX J-BOX THOUSAND CIRCULAR MIL(S) KILOVOLT ΚV KILOVOLT AMPERE(S) KVA KILOWATT(S)

MAXIMUM MAX MINIMUM MTD MOUNTED MOTOR NATIONAL ELECTRIC CODE NON FUSED NF NUMBER NOT TO SCALE NOT IN THIS CONTRACT PHASE PANEL

RELOCATE

SHEET SINGLE POLE SPEC SM SWITCH TELEVISION TYPICAL UΘ VOLT(S) VOLT AMP(S) WATT(S)

SPECIFICATIONS UNDERGROUND WEATHERPROOF

> bar napkin productio 2944 n 44th street . sv phoenix, az 85018 602 492 9494 www.bnp-llc.com

LIGHTING FIXTURE SCHEDULE

(R)

TAG	MANUFACTURER	SERIES	NO	LAMPS TYPE	VOLTS	VÅ	MOUNTING	DESCRIPTION/OPTIONS
A	TROY-CSL LIGHTING	South Street F93950R-Small	l	60W	120	60	PEND 6'-6" AFF	SMALL PENDANT FIXTURE, HAND FORGED & CAST IRON, ANTIQUE PRISMATIC GLASS LENS U.L LISTED WET LOCATION, FINISH SPECIFIED
								BY ARCHT. FIELD VERIFY STEM LENGTH.
В	LUMIERE	830-75PAR30/ NFL/120/BZ	1	75W PAR30/NFL	120	75	SURFACE	SURFACE MOUNTED 4" DIA, ADJUSTABLE ACCENT/FLOOD LIGHT, DARK BRONZE, U.L LISTED DAMP LOCATION,
R	LITON LIGHTING	ICx22	1	LED, 3W/FT	120	66	SURFACE UNDER COUNTER	CLEAR ROPE LIGHT, I/2"DIA. 22' CONTINUOUSE LENGTH. PROVIDE ASSOC. CONNECTORS, PWR CORD, MNTG CLIPS. FIELD VERIFY LENGTH.
					·			SEE LIGHTING PLAN FOR ADDITIONAL MOUNTING INFORMATION.

** - CONTRACTOR TO PROVIDE A LIGHT FIXTURE ALLOWANCE TO OWNER FOR DESCRIBED FIXTURE IN BID. COORDINATE WITH OWNER AND ARCHITECT FOR LIGHT FIXTURE SELECTION AND SUBMIT CUT SHEETS FOR APPROVAL.

FIXTURE SCHEDULE NOTES:

- I. FIXTURES INDICATED ABOVE SHALL BE USED AS BASIS FOR ALL BIDDING. ALTERNATE LIGHT FIXTURE PACKAGES SHALL BE SUBMITTED AS OUTLINED IN PRIOR APPROVALS. ACTUAL FIXTURES SUBMITTED WILL BE REVIEWED FOR ACCEPTABLE MANUFACTURER'S ONLY. THE CONTRACTOR WILL HAVE TO MAKE REQUIRED SUBMITTALS TO BE REVIEW FOR EQUIVALENCE AFTER AWARD OF CONTRACT AND BEFORE ORDERING LIGHT FIXTURES. IF ALTERNATE FIXTURE PACKAGE IS NOT SUBMITTED OR APPROVED, ADDITIONAL SUBSTITUTIONS WILL ONLY BE ACCEPTED AT THE ARCHITECT/ENGINEERS REQUEST.
- 2. MANUFACTURER'S SERIES SHOWN INDICATES BASIC FIXTURE TYPES REQUIRED FOR THIS PROJECT. PROVIDE ALL OPTIONS AND ACCESSORIES REQUIRED IN DESCRIPTION/OPTIONS TO PROVIDE A COMPLETE AND FUNCTIONAL INSTALLATION.
- 3. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING FIXTURE LOCATIONS, MOUNTING REQUIREMENTS AND U.L. LABELING OF FIXTURES PRIOR TO ORDERING. INCLUDE MOUNTING CLIPS, HARDWARE, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION.
- 4. ALL EMERGENCY LIGHTING FIXTURES SHALL BE PROVIDED WITH 90 MINUTES OF BATTERY BACK UP.
- 5. ALL EXIT SIGNS SHALL BE PROVIDED WITH EMERGENCY MAINTENANCE FREE NICKEL CADMIUM BATTERY AND SOLID STATE CHARGING

PANELI		SCHEDULE					
VOLTAGE: 120/240V,1Ph,3W	•	LOCATION:					
BUS RATING: 225					ENCL	SURE	:: Nema-3R
MAINS: 200/2 MCB			LOAD - VA		MOUN	TING:	SURFACE
TYPE:					MIN. A		10000
		СКТ	PHASE	PHASE	СКТ		
CIRCUIT DESCRIPTION	BKR	NUM	A	В	NUM		CIRCUIT DESCRIPTION
Recept. Conv. Outlet	20	1	600			50	
recept conv. Oddet	1 1	\longrightarrow	4800	1	2	0 0	Glass Washer #E08
Recept. Conv. Outlet	20	3	7000	600	+-		Cidad Vidolici III200
recept. Conv. Caner	1			4800	4		2
Spare	20	5		4000		20	-
opare	1	-	960	1	6	20	Margarita Machines #E12
Spare	20	7	300		 ~		Waiganta Washines #L12
Opare	1			960	8		2
Recept. P.O.S. #E01	20	9	600	300		20	6
Necept F.O.S. #EU1	1	-	1176	1	10		1 Roll Up Door 1/2 HP
Recept. P.O.S. #E01	20	11	11/0	600		20	T NOILOD DOOL 112 UL
лесері. Р.О.Э. #EU1	20			000	12		1 Spare
Recept. P.O.S. #E01	20	13	600			20	1 Spare
Recept. P.O.S. #EUT	1	-	000		14		1 Chara
0-1 01 #547	1 20	↓		- F00		20	1 Spare
Salsa Cooler #E17	20	15		588			4 6
Old had	1		4500		16		1 Spare
Chip Warmer #E14	20	17	1530		40		
	1			700	18		Space
Bar Cooler #E06	20	19		780			
	1				20		Space
Bar Cooler #E13	20	21	780	-			
	1	+			22		Space
Wk top Freezer #E12	20	23		996	1		<u> </u>
	1				24		Space
Mug Froster #E07	20	25	984				
	_ 1	1 1			26		Space
Mug Froster #E07	20	27	•	984	1		
	1	<u> </u>			28		Space
Blender #E05	20	29	1176				
	1 1				30		Space
Spare	20	31		ļ	1		
	_ 1				32		Space
Spare	20	33]			
	1				34		Space
Space		35					
					36		Space
Space		37					
					38		Space
Bar Lighting	20	39		1010			· ·
	1				40		Space
	ROUGH						
CONI	VECTED	LOAD	13206	11318	OPTI	ONS	;
	DESIGN I	LOAD	13500	11571			•
	LINE A		112.5	96.4			
DEO	IGN LOAE	16///	25.0	705	1		

EXISTING UTILITY CO. OVERHEAD SERVICE, 1200 AMP 120/240 V 30, 4W, DELTA.	EXISTING PANEL 'L2' EXISTING PANEL 'L2' EXISTING PANEL 'L6'
UTILITY CO. METER W I200 A. UTILITY SERVICE AND CT CAN EXIST.	EXIST. EXISTING PANEL 'LP-A' EXIST. EXISTING PANEL 'LP-B' EXIST. EXIST.
FINISH GRADE	12"X 2"X 2'-0", NEMA-3R
	EXIST. CM PIPING BLDG. STEEL

SINGLE LINE DIAGRAM

NOT TO SCALE

LOAD CALCULATION - SES SERVICE VOLTAGE = 240 V, 3PH, 4W 161.0 KW SERVICE PEAK DEMAND = 161.0 KW / 0.8 =201.3 KVA 201.3 KVA X 1.25 =251.6 KVA (251.6 KVA / 0.416 = 605.2 CODE AMPS)CODELOAD = 251.6 KVALOAD ADDED: NEW PANEL 'PB' = 25.1 KVA TOTAL LOAD ADDED = 25.1 KVA TOTAL NEW LOAD ON 'SES' = 276.7 KVA = 665.6 AMPS AMPS AT 240

MICHAEL NAKHL Thu Jun 10 2010 16

PRO. 2704 NAVIGATIO HOUSTON, TX

CITY SUBMITTA

ELECTRICAL SY SINGLE LINE DI