DIMMER PANEL "DH"

BREAKER	MODULE NUMBER & TYPE	CIRCUIT NUMBER	ROOM	CIRCUIT DESCRIPTION	FIXTURE TYPE	LOAD TYPE	QTY	FIXTURE LOAD	POWER FACTOR	ACTUAL LOAD (W/VA)	AMP LOAD	MODULE LOAD	"SCENE 1 PREP CLEAN"	"SCENE 2 LUNCH"	"SCENE 3 DUSK"	"SCENE 4 DINNER"	SCENE 5 OVER NIGHT
1.0000	1.0000	DH-01	SIGNS			NON-DIM			1.0000	0	0.0		ON	ON	ON	ON	0%
		DH-02	BUILDING LIGHTS			NON-DIM			1.0000	0	0.0		ON	ON	ON	ON	0%
	4U	DH-03	LOT LIGHTS (IF NEEDED)			NON-DIM			1.0000	0	0.0		ON	ON	ON	ON	0%
		DH-04	BAR SERVICE RAIL	LED TAPE	L234	NON-DIM	2	96.0000	1.0000	192	1.6	0.0	ON	ON	ON	ON	0%
2.0000	2.0000	DH-05	SPARE			NON-DIM			1.0000	0	0.0		ON	ON	ON	ON	0%
		DH-06	SPARE			NON-DIM			1.0000	0	0.0		ON	ON	ON	ON	0%
	4U	DH-07	BACK BAR WALL	LED MILLWORK FIXTURES	CUSTOM	MLV			0.8300	0	0.0		ON	ON	ON	ON	0%
		DH-08	SPARE			NON-DIM			1.0000	0	0.0		ON	ON	ON	ON	0%
3.0000	1.0000	DH-09	BAR/DINING	TABLE SPOTS	L242B	MLV	12	14.0000	0.8330	202	1.7		100%	50%	40%	35%	0%
		DH-10	WAITING AREA	MONO PENDANT	L212A-D	MLV	27	3.0000	0.8330	97	0.0		100%	55%	50%	40%	0%
	4A	DH-11	BAR/DINING	TABLE SPOTS	L242B	MLV	12	14.0000	0.8330	202	1.7		100%	55%	50%	35%	0%
		DH-12	VESTIBULE	DOWNLIGHTS	L207/L42A	MLV	6	14.0000	0.8330	101	0.8	4.2	100%	50%	40%	20%	0%
4.0000	2.0000	DH-13	DINING	BACK AISLE LIGHTS	L242A/L206	MLV	12	14.0000	0.8330	202	1.7		100%	50%	40%	15%	0%
		DH-14	SPARE			NON-DIM			1.0000	0	0.0		ON	ON	ON	ON	0%
	4A	DH-15	DINING	TABLE SPOTS	L242B	MLV	5	14.0000	0.8330	84	0.7		100%	50%	40%	15%	0%
		DH-16	DINING	TABLE SPOTS	L242B	MLV	9	14.0000	0.8330	151	1.3	4.4	100%	50%	40%	15%	0%
5.0000	3.0000	DH-17	DINING	FEATURE PENDANT	CUSTOM	MLV	3	180	0.8330	216	1.8		100%	50%	40%	15%	0%
		DH-18	DINING	TABLE SPOTS	L242B	MLV	5	14.0000	0.8330	84	0.7		100%	50%	40%	15%	0%
	4A	DH-19	DINING	PENDANT @ TABLE	L242B	MLV	9	14.0000	0.8330	151	1.3		100%	50%	40%	18%	0%
		DH-20	DINING	AISLE LIGHTS	L242A	MLV	7	14.0000	0.8330	117	1.0	4.8	100%	50%	40%	15%	0%
6.0000	4.0000	DH-21	SPARE			NON-DIM			1.0000	0	0.0		ON	ON	ON	ON	0%
		DH-22	DINING	TABLE DOWNLIGHTS	L206	MLV	2	10.0000	0.8330	24	0.2		100%	50%	40%	15%	0%
	4A	DH-23	DINING	AISLE LIGHTS	L242A	MLV	5	14.0000	0.8330	84	0.7		100%	50%	40%	15%	0%
		DH-24	BAR SERVICE	DOWNLIGHTS	L104/L223	MLV	24	8.0000	0.8330	230	1.9	4.2	100%	50%	40%	30%	0%
7.0000	5.0000	DH-25	SPARE			NON-DIM			1.0000	0	0.0		ON	ON	ON	ON	0%
		DH-26	BAR DINING	AISLE LIGHTS	L242A	MLV	19	14.0000	0.8330	319	2.7		100%	50%	40%	15%	0%
	4A	DH-27	BAR SERVICE	MONO PENDANT	L212C	MLV	15	3.0000	0.8330	54	0.5		100%	50%	40%	35%	0%
		DH-28	DINING	WALL ART LIGHTING	L105	MLV	1	96.000	0.8330	115	0.9	4.4	100%	50%	40%	35%	0%
8.0000	6.0000	DH-29	RESTROOM	DOWNLIGHTS	L206	MLV	21	10.0000	0.8330	252	2.1		100%	50%	40%	30%	0%
		DH-30	TO-GO AREA	DOWNLIGHTS	L206/L242A	MLV	10	14.0000	0.8330	168	1.4		100%	50%	40%	15%	0%
	4A	DH-31	DINING	WALL ART LIGHTING	L202/L233 L242A	MLV	12	14.0000	0.8330	202	1.7		100%	50%	40%	35%	0%
		DH-32	SPARE						0.8330	0	0.0	5.2	100%	50%	40%	15%	0%

1 / E202 **DIMMER PANEL DH**
3/16" = 1'-0"

DIMMER PANEL NOTES

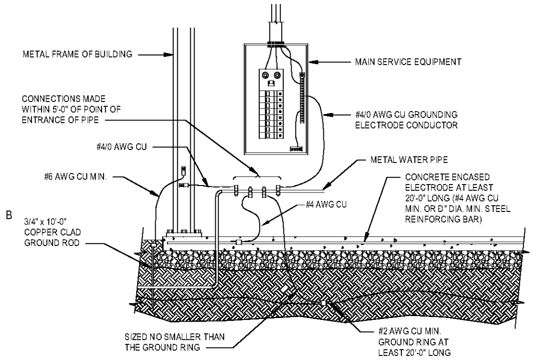
1. INFORMATION SHOWN ON THIS DETAIL IS DIAGRAMMATIC ONLY. VERIFY EXACT PART NUMBER OF EACH COMPONENT AND ALL NECESSARY MATERIALS AS REQUIRED AN OPERABLE DIMMING SYSTEM WITH MANUFACTURER PRIOR TO BID.
2. 120/208 VAC, 3-PHASE, 4-WIRES, MAIN LUGS ONLY.
3. RUN SEPARATE NEUTRAL PER CIRCUIT TO THE DIMMER CABINET.
4. DIMMER PANEL 'DH' SHALL BE PURCHASED BY CONTRACTOR THRU FSG LIGHTING. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH LUTRON FOR THE CORRECT AMOUNT OF CIRCUIT BREAKERS. PROVIDE PANEL 'DH' SCHEDULE TO AND NOTIFY LUTRON AT LEAST THREE (3) WEEKS PRIOR TO ROUGH-IN FOR ORDER. GENERAL CONTRACTOR SHALL COORDINATE WITH LUTRON FOR DELIVERY OF DIMMER CONTROL SYSTEM. ALL CONNECTIONS TO AND MOUNTING OF DIMMING PANELS SHALL BE BY THE ELECTRICAL CONTRACTOR. NOTE: EACH PANEL SHALL CONTAIN DIMMING MODULES AS INDICATED.

FIXTURE SCHEDULE

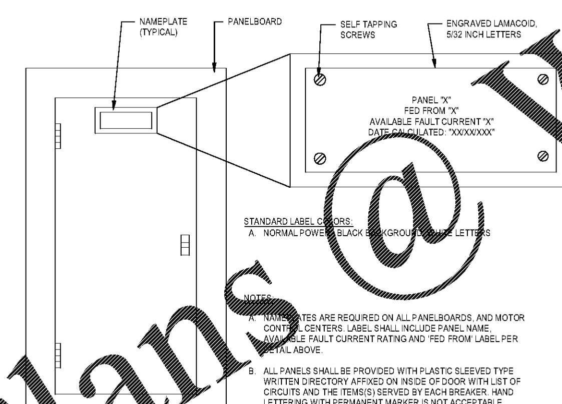
TYPE	MANUFACTURER CATALOG NO.	LAMPS	MOUNTING	LOCATION	NOTES
L035	HUBBARDTON FORGE GRAFFITI PENDANT 137820-SKT-LONG-ZM054, 137820-SKT-LONG-07-ZMO549	776511-LED4T14/22K/FIL-NOS/CURV-SPIRAL	PENDANT	DINING	CUSTOM FIXTURE PROVIDED BY OWNER
L104	JUNO MD1LG2 RD 03LM 27K 80CRI NFL BL, TL602E 60W 120 12AC WH	INTEGRATED	RECESSED	BAR	FSG TO PROVIDE DIRECT TO MILLWORK
L105	JUNO SL212 20FT 30K 80CRI, SM1	LED TAPE LIGHT	BOTTLE CAGE IN BAR SOFFIT	BAR	
L202	CON-TECH LVR316-8, CTR325-B	PHILIPS 45453 - 6.5MR16/F25/2700-2200	RECESSED	ACCENT	3" TRIM ADJUSTABLE ACCENT LIGHT, BLACK, 8 WATT MAX WATTAGE LABEL
L206	CON-TECH RL530-12, CRT53002 WHT	PHILIPS 457044 - 9BR30/LED/827-22 DIM 120V	RECESSED	RESTROOM	5" PAR30/BR30 DOWNLIGHT, 12 WATT MAX WATTAGE LABEL
L212C	CON-TECH MRL-3LED L212C Entrance Track Kit	MRL-3LED 3 WATT KIT WITH TRACK L212	CEILING MOUNTED TRACK	COMMON	6' BLACK TRACK WITH (2) 2' CORD, (2) 3' CORD,
L223	CON-TECH LVR316-8, CTR302-ST-CLR	PHILIPS 45453 - 6.5MR16/F25/2700-2200	RECESSED	BAR	3" TRIM ADJUSTABLE ACCENT LIGHT, BLACK, 8 WATT MAX LABEL
L234	JUNO SL412 204FT 27K 80CRI, SM1 48IN NL SA	DAMP LOCATION FLEXIBLE LED STRIPS	COVE	SOFFIT	24V TAPELIGHT PLUS ACCESSORIES (DRIVERS, CONNECTORS, CUTTERS, ETC)
L242A	NORA ILENE NYLM-2C27XBBLE3	INTEGRATED	PENDANT	AISLES / OVER TABLES	2" CYLINDER PENDANT WITH ADJUSTABLE SUSPENSION CABLE, 2700K, DIMMABLE, NARROW FLOOD
L242B	NORA ILENE NYLM-2C27XBBLE3	INTEGRATED	PENDANT	AISLES / OVER TABLES	2" CYLINDER PENDANT WITH ADJUSTABLE SUSPENSION CABLE, 2700K, DIMMABLE, SPOT LIGHT
L243	CON-TECH 8' TRACK Track Kit	8' BLACK TRACK KIT	CEILING MOUNTED TRACK	BACK BAR	8' BLACK TRACK WITH (4) LED WIDE FLOOD LIGHTS
L244	JUNO R605L 27K 80CRI PDIM NFL, T40N BL, TEW 12IN BL	INTEGRATED	PENDANT	OVER TABLES/ART CENTERS	
L304	PHILIPS FSSEZ 4 40L 840 UNV	1X4 LED 4000 LUMEN LED 4000K	SURFACE	BACK OF HOUSE	1X4 SURFACE MOUNTED FIXTURE
L305	LITHONIA 2GTL 4 48L SWL EZ1 LP840	2X4 4800 LUMEN LED TROFFER 4000K	LAY-IN	BACK OF HOUSE	KITCHEN LAY IN 2X4
L306	LITHONIA 2GTL 2 40L SWL EZ1 LP840	2X2 4000 LUMEN LED TROFFER 4000K	LAY-IN	BACK OF HOUSE	KITCHEN LAY IN 2X2
L410	ALLIANCE OUTDOOR LIGHTING CGBBL01-LED	LMR16 [illegible] 5W-F	GROUND	EXTERIOR	BULLET LIGHT, SOLID BRASS WITH AN AGED BRASS FINISH. ADJUSTABLE KNUCKLE. 8.5" PLASTIC GROUND STAKE. FLOOD LED MR16 2900K - LAMP SHIPPED IN FIXTURE
L431	JUNO MD1LG2 RD 0[illegible] 80CRI NFL BL, TL602E 60W 120 12[illegible]	MINI LED DOWNLIGHT, OUTDOOR/ WET LOCATION, 60W TRANSFORMER	RECESSED	EXTERIOR	3000K, 817 LUMENS, CRI 85, 4.8W/ FIXTURE
L432	RAB SLIM26Y	INTEGRATED	SURFACE	EXTERIOR	WALLPACK W/ FULL CUT-OFF SHIELD & LAMP DARK BRONZE
L433	JUNO SLW212 20FT 30K 80CRI, [illegible] 48IN FR BL	LED TAPE LIGHT	EXTERIOR LED TAPE	EXTERIOR	24V STANDARD OUTPUT, 45° CHANNEL W/ FROSTED LENS, PLUS ACCESSORIES.
L434	CON-TECH RL530-12, CTR53001B	PHILIPS 435339 - 12.5PAR30S/F35 3000 DIM AF	RECESSED	EXTERIOR	5" PAR30/BR30 DOWNLIGHT, 12 WATT MAX WATTAGE LABEL
L435	KICHLER [illegible]251BKT30	INTEGRATED	WALL	EXTERIOR	LED 3000K OUTDOOR UP & DOWN LANTERN
L512	LSI PRLE[illegible]	INCLUDED	SURFACE	EMERGENCY	TWIN REMOTE HEAD, WET RATED, WHITE
L513	LSI EX R U[illegible]	INCLUDED	SURFACE	EXIT	WHITE LED EXIT WITH BATTERY PACK, KITCHEN AREA
L514	LSI LPRX R[illegible]K LD11 R	INCLUDED	CEILING	EXIT	BLACK LED EXIT WITH BATTRY PACK WITH 23W REMOTE CAPACITY
L515	[illegible]EX R U WB WH	INCLUDED	SURFACE	EXIT	BLACK LED EXIT WITH BATTERY PACK
L517	LSI LTEM BK	INCLUDED	SURFACE	EMERGENCY	BLACK 2 HEAD EMERGENCY UNIT (NO REMOTE CAPACITY)
[illegible]	LSI LTEM WH	INCLUDED	SURFACE	EMERGENCY	WHITE 2 HEAD EMERGENCY UNIT (NO REMOTE CAPACITY) KITCHEN AREA
L520	LITHONIA 2GTL 4 48L SWL EZ1 EL14L LP840	2X4 4800 LUMEN LED TROFFER 4000K, 1400 LUMEN EMERGENCY BATTERY	LAY-IN	BACK OF HOUSE	SAME AS 'L305' EXCEPT WITH EM BACK UP
Q202	MINKA AIRE JAVA w/ KOCOA FINISH F753 KA	N/A	PENDANT	EXTERIOR	54" INDOOR/ OUTDOOR CEILING FAN W/ 3 ALL WEATHER KOCOA BLADES

FIXTURE SCHEDULE NOTES:

1. ALL FIXTURE ARE 120V OR MULTIVOLT UNLESS OTHERWISE NOTED.
2. E.C. SHALL VERIFY CEILING TYPES AND DETERMINE PROPER MOUNTING HARDWARE PRIOR TO ORDERING FIXTURES.
3. ALL EXIT SIGNS, NIGHTLIGHTS, AND EMERGENCY EGRESS LIGHTING FIXTURES SHALL BE WIRED AHEAD OF LOCAL SWITCHES AND/OR CONTROLS TO REMAIN ENERGIZED.
4. BATTERIES FOR SELF-CONTAINED EXIT SIGNS, EMERGENCY EGRESS LIGHTING FIXTURES, REMOTE EMERGENCY LIGHT UNIT, OR EMERGENCY LIGHT UNITS SHALL BE SIZED TO PROVIDE A MINIMUM OF 90 MINUTES OF ILLUMINATION.



B1 / E202 **GROUNDING ELECTRODE SYSTEM**
NTS



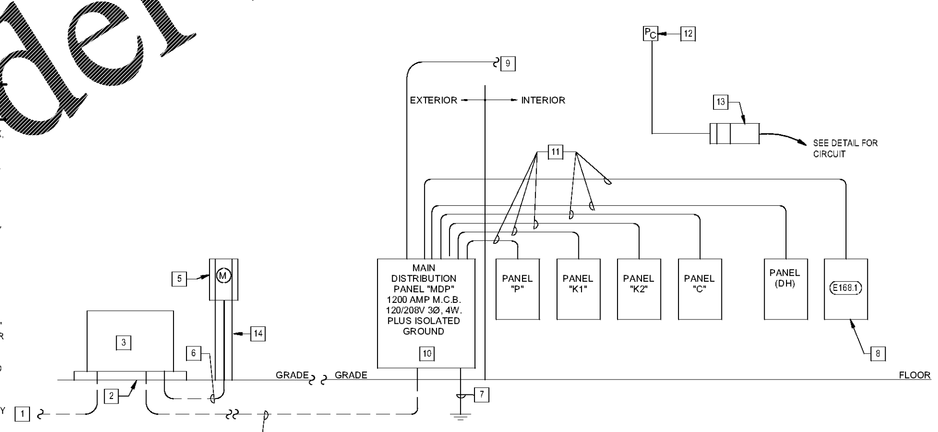
STANDARD LABEL COLORS:
A. NORMAL POWER: BLACK BACKGROUND, WHITE LETTERS

NOTES:
A. NAMEPLATES ARE REQUIRED ON ALL PANELBOARDS, AND MOTOR CONTROL CENTERS. LABEL SHALL INCLUDE PANEL NAME, AVAILABLE FAULT CURRENT RATING AND 'FED FROM' LABEL PER DETAIL ABOVE.
B. ALL PANELS SHALL BE PROVIDED WITH PLASTIC SLEEVED TYPE WRITTEN DIRECTORY AFFIXED ON INSIDE OF DOOR WITH LIST OF CIRCUITS AND THE ITEMS(S) SERVED BY EACH BREAKER. HAND LETTERING WITH PERMANENT MARKER IS NOT ACCEPTABLE.

PANEL BOARD NAMEPLATE
NTS

RISER DIAGRAM KEYNOTES

1. UTILITY COMPANY PROVIDED PRIMARY CABLE. EC TO INSTALL ALL CONDUIT, DUCTBANK, ETC. COORDINATE REQUIREMENTS WITH POWER COMPANY PRIOR TO CONSTRUCTION. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH POWER COMPANY AND PROVIDE ALL MATERIALS AND LABOR FOR A COMPLETE WORKING SYSTEM. CONTRACTOR SHALL DETERMINE SHORT CIRCUIT VALUES AND ARC FAULT VALUES. PROVIDE ALL LABELING AND ALL RATED EQUIPMENT AS REQUIRED BY NEC
2. CONTRACTOR TO PROVIDE CONCRETE PAD PER UTILITY COMPANY REQUIREMENTS
3. UTILITY COMPANY PAD MOUNTED TRANSFORMER. SEE CIVIL PLANS FOR LOCATION. VERIFY CT LOCATION WITH POWER COMPANY AND PROVIDE CT CABINET IF REQUIRED
4. 4-4" CONDUITS EACH WITH (4) #350 KCMIL XHHW-2, 90 DEG C.(1240A) ROUTE PER UTILITY COMPANY REQUIREMENTS BY EC
5. PROVIDE UTILITY CO. METER, METER SOCKET AND #10W METER WIRING. COORDINATE REQUIREMENTS WITH UTILITY COMPANY.
6. 1-1/4" RIGID CONDUIT FROM C.T. CABINET TO METER BY ELECT. CONTRACTOR.
7. REFER TO GROUNDING ELECTRODE CONDUCTOR DETAIL THIS SHEET.
8. FOOD SERVICE COUNTER PANELS FURNISHED BY OTHERS. REFER TO FOOD SERVICE EQUIPMENT DRAWINGS FOR EXACT LOCATION.
9. TO RTU'S, REFER TO SHEET E200
10. MAIN DISTRIBUTION PANEL "MDP" SHALL BE LABELED "SERVICE ENTRANCE EQUIPMENT" PER NEC. BOND NEUTRAL TO GROUND AT THE MAIN PANEL PER THE NEC WITH NEMA 3R ENCLOSURE.
11. REFER TO MDP SCHEDULE FOR SIZES (TYP.)
12. PHOTOCELL MOUNTED ON ROOF PARAPET, FACING NORTH. INTERMATIC OR APPROVED EQUAL.
13. LIGHTING TIME SWITCHES & CONTACTORS, REFER TO SHEET E301 LIGHTING CONTROL DIAGRAMS.
14. PROVIDE PEDESTAL FOR UTILITY METER PER UTILITY COMPANY REQUIREMENTS. VERIFY EXACT LOCATION OF METER WITH POWER COMPANY.



A1 / E202 **ELECTRICAL RISER DIAGRAM**
N.T.S.

ARC FLASH NOTE:

SWITCHBOARDS, PANELBOARDS, MOTOR CONTROL PANELS AND METER SOCKET ENCLOSURES WHICH ARE LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE WHILE ENERGIZED, SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS PER NEC 110.16. A WARNING LABEL SHALL BE SUFFICIENT. ARC FLASH CALCULATIONS ARE NOT NECESSARY UNLESS REQUIRED BY THE AUTHORITY HAVING JURISDICTION OR UNLESS THE OWNER SPECIFICALLY REQUIRES IT. THE MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING OR MAINTENANCE OF THE EQUIPMENT.

OUTBACK STEAKHOUSE

GPD GROUP, INC.
LIC. # - 30920

BLOOMIN' BRANDS

OUTBACK STEAKHOUSE

1751 W 49TH STREET
HALEAH, FLORIDA 33012

SHEET ISSUE:
OUT TO PERMIT: -

PRINCIPAL IN CHARGE: JC
PROJECT ARCHITECT: MS
DRAWN BY: BM

SHEET TITLE:
ELECTRICAL RISERS & DETAILS

SHEET NO. E202
PROJ. NO. 2018231.50

3/22/2019 10:00:49 AM BIM 360://OBS Hialeah, FL/Elec_OBS Hialeah-CMU_R18.rvt

Order Plans @ WWW.LDILine.com