

**LIGHT FIXTURE SCHEDULE & LEGEND**

LIGHTING IS TO BE COORDINATED WITH AND PROCURED FROM AMERICAN WHOLESALE LIGHTING (SEE SHEET A01 FOR CONTACT INFORMATION). NO SUBSTITUTIONS ALLOWED. SEE SHEETS E1.0 & H1.0 FOR MORE INFORMATION.

- METALUX 25SR3T-VOLTAGE-EB/2 2'x4' 3 LAMP PRISMATIC (2 BALLAST) MASTER/SATELLITE
- METALUX 25SR3S-VOLTAGE-EB/2 2'x4' INDEPENDENT 3 LAMP PRISMATIC (2 BALLASTS) (AT A.C.T. CEILING LOCATIONS)
- FLANGED METALUX 25SR3T-VOLTAGE-EB/2 2'x4' 3 LAMP PRISMATIC (2 BALLAST) MASTER/SATELLITE
- FLANGED METALUX 25SR3S-VOLTAGE-EB/2 2'x4' INDEPENDENT 3 LAMP PRISMATIC (2 BALLASTS) (AT GYP. BOARD CEILING LOCATIONS)
- SUPPLEMENTAL SPECIAL PURPOSE LIGHTS NOT TO BE INCLUDED IN CALCULATION OF MINIMUM 2'x4' DENSITY. SAME TYPES AS ABOVE.
- METALUX 25SR3S-VOLTAGE-EB/2-EMK 2'x4' INDEPENDENT 3 LAMP PRISMATIC (2 BALLASTS) NIGHT LIGHT ON SEPARATE CIRCUIT W/ EMERGENCY BATTERY PACK (SIMILAR TO BOONE #5004-8). SHOWN FOR CONCEPT. VERIFY CODE COMPLIANCE. ALL BALLASTS ON THE SAME CIRCUIT. (AT DROP-IN LOCATIONS)
- FLANGED METALUX 25SR3S-VOLTAGE-EB/2-EMK 2'x4' INDEPENDENT 3 LAMP PRISMATIC (2 BALLASTS) NIGHT LIGHT ON SEPARATE CIRCUIT W/ EMERGENCY BATTERY PACK (SIMILAR TO BOONE #5004-8). SHOWN FOR CONCEPT. VERIFY CODE COMPLIANCE. ALL BALLASTS ON THE SAME CIRCUIT. (AT SURFACE MOUNTED LOCATIONS)
- METALUX 35A1-VOLTAGE-EB/1-0 (1 BALLAST, SURFACE MOUNTED, SINGLE TUBE, CORRIDOR W/AF)
- METALUX 35A/2-VOLTAGE-EB/2-1-WR10 4' STRIP AT VALANCE. INSTALL WITH CLEAR PROTECTIVE TUBE SLEEVE. (1) 4 LAMP BALLAST FOR UPPER LAMPS, SAME FOR LOWER (DUAL SWITCHING).
- METALUX 35A/2-VOLTAGE-EB/2-3-WR10 4' STRIP AT VALANCE. INSTALL WITH CLEAR PROTECTIVE TUBE SLEEVE AND REFLECTOR. (1) 4 LAMP BALLAST FOR UPPER LAMPS, SAME FOR LOWER (DUAL SWITCHING).
- METALUX 35A/4-VOLTAGE-EB/2-3-WR10 8' STRIP AT PROCESSING ROOM. INSTALL WITH CLEAR PROTECTIVE TUBE SLEEVE AND REFLECTOR. (1) 4 LAMP BALLAST FOR UPPER LAMPS, SAME FOR LOWER (DUAL SWITCHING).
- METALUX 35A/4-VOLTAGE-EB/2-3-WR10 8' STRIP AT PROCESSING ROOM. NIGHT LIGHT ON SEPARATE CIRCUIT WITH EMERGENCY BATTERY PACK (SIMILAR TO BOONE #5004-8).
- METALUX 35A/4-VOLTAGE-EB/2-3-WR10-EMK 8' STRIP AT PROCESSING ROOM. NIGHT LIGHT ON SEPARATE CIRCUIT WITH EMERGENCY BATTERY PACK (SIMILAR TO BOONE #5004-8).
- METALUX 35A/2-UNV-EB/2-1-ATC-CHAN/SET (10 FT. LENGTH). (1)-2 LAMP BALLAST. OFF-ALL (SWITCHING).
- METALUX 35A/4-UNV-EB/2-1-ATC-CHAN/SET (10 FT. LENGTH). (1)-4 LAMP BALLAST. OFF-ALL (SWITCHING).

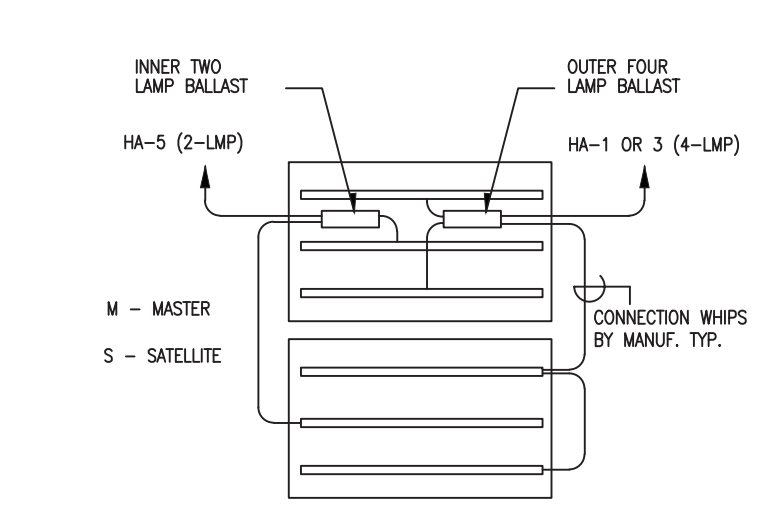
- SUSPENDED ACUSTICAL CEILING TILE
- SINGLE FACE EXIT SIGN, COOPER INDUSTRIES "SURE-LITES" #92EXEM850, GREEN LETTERS, PENDANT MOUNT. --- DENOTES CHEVRON DIRECTIONAL ARROW
- DUAL FACE EXIT SIGN, COOPER INDUSTRIES "SURE-LITES" #92EXEM850, GREEN LETTERS, PENDANT MOUNT. --- DENOTES CHEVRON DIRECTIONAL ARROW
- COLUMBIA LIGHT FIXTURES: CSL 48-18-RB, USE WHEN APPROPRIATE
- 6X-12-DW/WH/WH REMOTE MOUNTED EMERGENCY LIGHT WITH INTERIOR MOUNTED BATTERY PACK WITH SURE-LITE #CCS-0-WH-TM BATTERY BACKUP ABOVE CEILING
- SURELITES, 6X12/WH/WH REMOTE RECESSED EMERGENCY --- LIGHT WITH INTERIOR MOUNTED BATTERY PACK WITH SURE-LITE #CCS-0-WH-TM BATTERY BACKUP ABOVE CEILING
- LOGO PLANE DOWNLIGHT - PORTFOLIO #M7100E - ADJUSTABLE DOWN LIGHT - LIGHT OCCURS WHEN LOGO PLAQUE IS LOCATED BELOW CANOPY. LIGHT TO BE CENTERED ON LOGO PLAQUE. LOCATED IN CANOPY SORTII.
- PRE-FINISHED POWER POLE PROVIDED AS PART OF FRONT END MODULAR SYSTEM PROVIDED AND INSTALLED BY ROSS FIXTURE VENDOR.
- GYPSUM BOARD CEILING

- METALUX 35A/4-UNV-EB/2-1-WR10-ATC-CHAN/SET (10 FT. LENGTH). (1)-2 LAMP BALLAST. OFF-ALL (SWITCHING) EXCEPT 2 LAMP UNSWITCHED/HARDWIRED WITH EMERGENCY BATTERY PACK (BOONE #502/2).
- EXTERIOR DOOR LIGHTING - "LUMARK" WP15-M-PE-PC 150W HPS LAMPS ON PHOTO CELL, SHIELDED
- EXTERIOR ROSS OPERATIONS LIGHTING - "LUMARK" WP15-M-L-PE 150W HPS LAMPS ON PHOTO CELL, NON-SHIELDED
- FEATURE ARCHITECTURAL LIGHTING, (OR CENTER STANDARD IF APPROVED BY ROSS STORES) IF NOT OTHERWISE SPECIFIED, PORTFOLIO MODEL #M7008-B, QUARTER SPHERE SCIENCE WITH 100W MH LAMP AND FACTORY FINISHED SHELL TO MATCH FASCO COLOR (LUM). THIS EXAMPLE IS TO ESTABLISH INTEREDED LEVEL OF QUALITY & TYPE OF LIGHT TO BE USED. CONTACT A/E FOR SITE SPECIFIC LIGHT FIXTURE. CONTRACTOR MUST SPECIFY SCIENCE FINISH COLOR WHEN PLACING ORDER. NO EXCEPTION.
- UNDER CANOPY DOWN LIGHTING, (OR CENTER STANDARD MAY BE UTILIZED IF APPROVED BY ROSS STORES) IF NOT OTHERWISE SPECIFIED, PORTFOLIO MODEL #M7008-B, QUARTER SPHERE SCIENCE WITH 100W MH LAMP AND FACTORY FINISHED SHELL TO MATCH FASCO COLOR (LUM). THIS EXAMPLE IS TO ESTABLISH INTEREDED LEVEL OF QUALITY & TYPE OF LIGHT TO BE USED. CONTACT A/E FOR SITE SPECIFIC LIGHT FIXTURE.
- PAGING/MUSIC SYSTEM SPEAKERS PROVIDED AND INSTALLED BY ROSS AFTER TURNOVER. IN THE EVENT THAT LOCAL CODE REQUIRES LOW VOLTAGE WIRING TO BE INSTALLED IN CONDUIT, THEN 3/4" CONDUIT WITH PULL STRING IN PLACE LINKING SPEAKER LOCATIONS TO PAGING/MUSIC DATA BOX IN MANAGER'S OFFICE IS TO BE PROVIDED AND PLACED BY G.C. PRIOR TO CONSTRUCTION TURNOVER. CONFIRM SPEAKER LOCATIONS THROUGH ROSS CONSTRUCTION REPRESENTATIVE. 18 TO 20 LOCATIONS, TYP. CEILING MOUNTED UNLESS MARKED "W" FOR WALL MOUNTED.

\$ 0-A	OFF, ON
\$ 1/3-2/3-A	1/3 ON, 2/3 ON, ALL ON
\$ 0-1/3-2/3-A	OFF, 1/3 ON, 2/3 ON, ALL ON
\$ 0-1/2-A	OFF, 1/2 ON, ALL ON
\$ 0-1/3	OFF, 1/3 ON
\$ 0-2/3	OFF, 2/3 ON

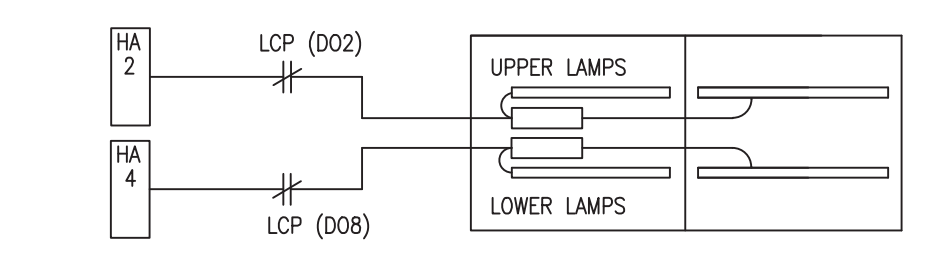
NOTE: DIAGRAM IS SCHEMATIC, SHOW CORRECT SWITCH TYPE AND QUANTITY.

**1 SWITCH LEGEND**



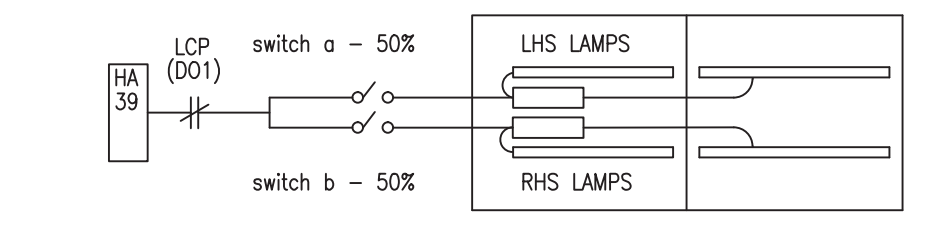
- FEED INNER LAMP (2-LAMP) BALLASTS WITH ONE CIRCUIT. LEAD SHALL BE SHOWN, CONTROLLED VIA LCP, DO-7, SPACE 2 LAMP CIRCUIT TRANCE 1/2 THE 4 LAMP POWER. CIRCUIT TRANCE AS PER 2 LAMP BALLASTS ON ONE CIRCUIT.
- FEED OUTER (4-LAMP) BALLASTS WITH TWO CIRCUITS FOR A GROUP OF FIXTURE ROWS, CONTROLLED VIA LCP, DO-2. I.E. HA-1,3 IN THE EXAMPLE SHOWN.
- WIRE RUN AT END OF ROW NEAREST ELEC. RM. VIA LCP. I.E. HA-5, 1,3 IN THE EXAMPLE SHOWN.
- BALANCE PHASES A,B,C OF PANEL ASSUMING THAT INNER (2-LAMP) CIRCUITS WILL BE TURNED OFF WHEN OUTER BALLASTS ARE ON. I.E. ALTERNATE THE PHASE THAT THE INNER BALLAST CIRCUITS CONNECT TO FOR EACH CONNECT TO FOR EACH THREE CIRCUIT GROUP.
- PROVIDE SEPARATE, DEDICATED BREAKER AND CIRCUIT FOR OFFICES - INNER BALLASTS (MANAGER, CASH LOUNGE, HALLS), OFFICES - OUTER BALLASTS (PROCESSING ROOM - ALL BALLASTS).

**2 MASTER/SATELLITE CIRCUITING**



NOTE: EXAMPLE CIRCUIT NUMBERING PER PANEL SCHEDULE HA.

**3 VALANCE FIXTURE DETAIL**



NOTE: EXAMPLE CIRCUIT NUMBERING PER PANEL SCHEDULE HA.

**4 PROCESSING ROOM FIXTURE DETAIL**

ROSS DRESS FOR LESS STANDARD LIGHTING/WALL SWITCH AND EMS CONTROL REQUIREMENTS. ELECTRICAL CONTRACTOR MUST VERIFY IN FIELD CORRECT CIRCUITS ARE SWITCHED AS SHOWN AND INITIAL THE COLUMN LABELED "ELECTRICAL CONTRACTOR COMPLIANCE" LOCATED AT THE FAR RIGHT OF THIS DOCUMENT.

\*S1 - SPST SINGLE POLE SINGLE THROW TOGGLE SWITCH, WALL MOUNTED.  
 ALL SWITCHES ARE ON THE LOAD SIDE OF ANY EMS CONTRACTORS, WHERE APPLICABLE.  
 ONE SWITCH IS REQUIRED FOR EACH LOAD TO BE SWITCHED.  
 NOT REQ'D = NOT REQUIRED.

TYP. V	LIGHTING LOAD DESCRIPTION	EMS DIGITAL OUTPUT "DO"								WALL SWITCH	NOTES	ELECTRICAL CONTRACTOR COMPLIANCE
		1	2	3	4	5	6	7	8			
277	STOCKROOM SECOND SOLE L.E. RIS TUBES	X								S1	AT INTERIOR DOOR	11
277	STOCKROOM FIRST SOLE L.E. RIS TUBES	X								S1		10
277	RESTROOMS, OUTER TUBES 66X	X								S1		5, 9
277	RESTROOMS CENTER TUBES, 33X	X							X	NOT REQ'D	SEPARATE CIRCUIT FROM OUTER	4, 7
277	MANAGER & CASH OFFICES, LOCKER ROOM, OUTER TUBES 66X	X								S1		2, 8
277	MANAGER & CASH OFFICES, LOCKER ROOM CENTER TUBES 33X	X								S1	SEPARATE CIRCUIT FROM OUTER	12
277	FITTING ROOMS CENTER TUBES 33X	X							X	NOT REQ'D	SEPARATE CIRCUIT FROM OUTER	4, 7
277	FITTING ROOMS OUTER TUBES 66X	X								NOT REQ'D		5, 8
277	FITTING FLOOR CENTER TUBES 33X	X							X	NOT REQ'D	SEPARATE CIRCUIT FROM OUTER	4, 7
277	FITTING FLOOR OUTER TUBES 66X	X								NOT REQ'D		5, 8
120	SALES WAREHOUSE LIT. (RECEP/PLACES)	X								NOT REQ'D		3
277	SALES VALANCE AND ONE FIRST SOLE L.E. UPPER TUBES	X								NOT REQ'D		5
277	SALES VALANCE AND ONE SECOND SOLE L.E. LOWER TUBES	X							X	NOT REQ'D	SEPARATE CIRCUIT FROM UPPER	11
277	SALES OUTER TUBES 66X	X								NOT REQ'D		5, 8
120	SALES DISPLAY, CASE LIT. & RECEP/PLACES	X								NOT REQ'D		5
120	SALES DECORATIVE	X								NOT REQ'D		5
277	SALES CENTER TUBES 33X	X							X	NOT REQ'D	SEPARATE CIRCUITS FROM OUTER	4, 7
120	WALL DRYER (BLADE) INTERIOR SIGNS	X								NOT REQ'D		5
277	HALL OUTER TUBES	X								NOT REQ'D	SEPARATE CIRCUIT FROM OUTER	3, 8
277	HALL INNER TUBES	X								NOT REQ'D		10
120	EXTERIOR SIGNAGE	X								NOT REQ'D	MANUAL (3) CIRCUITS	3
277	EXTERIOR LIT. NOT OVER DOORS, GRAPHIC LIGHTS	X								NOT REQ'D		9
277	EXTERIOR ABOVE DOOR LIT.	X								NOT REQ'D		9
277	DAY LIGHTING (IF REQUIRED)	X							X	NOT REQ'D		4, 7
208	HOT WATER HEATERS	X								NOT REQ'D		
120	EXHAUST FANS (EXCEPT ELECTRICAL ROOM)	X								---		6
277	EQUIPMENT CLOSET AND JANITOR'S CLOSET	X								S1	CONNECT TO NIGHT LIGHT CIRCUIT	5
277	CANOPY UTILITY SERVICE LIGHT	X								S1	CONNECT TO RECEPTACLE CIRCUIT	5
277	STOCKROOM DOOR LIGHTING (IF REQUIRED)	X								S1	CONNECT TO LIGHTING CIRCUIT	5
277	ELECTRICAL ROOM	X								S1	CONNECT TO NIGHT LIGHT CIRCUIT	5
120	EQUIPMENT CLOSET EXHAUST FAN	X								---		5
120	ELECTRIC WATER COOLERS, VENDING MACHINES	X								---		5
120	ELECTRICAL ROOM EXHAUST FANS	X								---	DN 18 THERMOSTAT	5

- CONNECT FIRST 50K TUBES TO A DEDICATED CIRCUIT VIA LCP SCHEDULE D01 THROUGH A WALL 2-POLE SWITCH BY DOOR.
- LOAD REQUIRES A SEPARATE, DEDICATED, BREAKER & CIRCUIT FOR SWITCHING PURPOSES.
- TYPICALLY NO FEWER THAN 3 CIRCUITS ARE REQUIRED - VERIFY WITH SIGN CONSULTANT.
- TYPICALLY THIS LOAD WILL BE TURNED ON WHEN STORE IS OPENED BY EMPLOYEES (LCP D02 IS OFF).
- TYPICALLY THIS LOAD WILL BE TURNED ON WHEN STORE OPENS TO PUBLIC (LCP D07 IS TURNED OFF).
- EF SHALL BE CONTROLLED BY LOCAL LINE VOLTAGE THERMOSTAT FOR LOCAL COOLING OF EQUIPMENT ROOM (ALL HOURS).
- CENTER TUBES OF MASTER/SATELLITE OR INDEPENDENT FIXTURES HAVE DEDICATED (2-OR 1-LAMP) BALLASTS; CIRCUIT THESE TOGETHER.
- OUTER TUBES OF MASTER/SATELLITE OR INDEPENDENT FIXTURES HAVE DEDICATED (4-OR 2-LAMP) BALLASTS; CIRCUIT THESE TOGETHER.
- ADDITIONAL EXTERIOR LIGHTS AGREED UPON BY ROSS ONLY; NOT CODE REQUIRED WALKWAY LIGHTING PROVIDED BY LANDLORD.
- SECOND SOLE TUBES CONNECT VIA WALL SWITCH, FED BY THE SAME CIRCUIT AS FIRST SOLE TUBES VIA WALL SWITCH AND CONTROLLED ALSO BY LCP D01.
- SECOND SOLE TUBES ARE FED BY SEPARATE DEDICATED CIRCUIT CONTROLLED BY LCP D08.
- INNER TUBES MUST BE FED VIA SEPARATE DEDICATED CIRCUIT, SWITCHED VIA LCP D01.
- IF EF ALSO SERVES THE LOCKER/BREAK ROOM AND/OR RESTROOMS, EF SHALL BE CONTROLLED BY LCP D01.

**PANEL "HA" SCHEDULE**

MOUNTING: SURFACE	TYPE: G.E. A SERIES TYPE AE	FAULT CURRENT: 26,352 A	MAIN: MLO	BUS: 100 A
VOLTS: 480Y/277 Vce	ENCLOSURE: NEMA 1 WITH GROUND BAR	FAULT BRACING: 35k AIC RMS, SYM.	MAIN SIZE BREAKER: NONE	
PHASE: 3	WIRE: 4	Hz: 60	ISOLATED GROUND: NONE	TVSS/SPD: NONE
LOCATION: ELECTRICAL ROOM				

BMS DO	DESCRIPTION	WIRE & CONDUIT SIZE	LOAD (kVA)	BREAKER	TERMINAL	WIRE & CONDUIT SIZE	LOAD (kVA)	BREAKER	TERMINAL	WIRE & CONDUIT SIZE	LOAD (kVA)	DESCRIPTION	BMS DO
2	LIGHTS, SALES AREA (2/3)	(2)#10, 3/4"	1,710	20/1	1	2	20/1	1,380	(2)#10, 3/4"	LIGHTS, VALANCE (UPPER)	2	2	
2	LIGHTS, SALES AREA (2/3)	(2)#10, 3/4"	1,520	20/1	3	4	20/1	1,380	(2)#10, 3/4"	LIGHTS, VALANCE (LOWER)	3	8	
7	LIGHTS, SALES AREA (1/3)	(2)#10, 3/4"	1,700	20/1	9	6	20/1	1,120	(2)#10, 3/4"	LIGHTS, VALANCE (UPPER)	2	2	
2	LIGHTS, SALES AREA (2/3)	(2)#10, 3/4"	1,475	20/1	7	8	20/1	1,120	(2)#10, 3/4"	LIGHTS, VALANCE (LOWER)	8	8	
7	LIGHTS, SALES AREA (1/3)	(2)#10, 3/4"	1,675	20/1	9	10	20/1		(2)#10, 3/4"	SPARE			
2	LIGHTS, SALES AREA (2/3)	(2)#10, 3/4"	1,710	20/1	11	12	20/1		(2)#10, 3/4"	SPARE			
2	LIGHTS, SALES AREA (2/3)	(2)#10, 3/4"	1,095	20/1	13	14	20/1	0.780	(2)#10, 3/4"	EXTERIOR SCENCES, FRONT	4	4	
2	LIGHTS, SALES AREA (2/3)	(2)#10, 3/4"	1,570	20/1	15	16	20/1	0.260	(2)#10, 3/4"	CANOPY DOWNLIGHTS, FRONT	4	4	
7	LIGHTS, SALES AREA (1/3)	(2)#10, 3/4"	1,350	20/1	17	18	20/1	0.960	(2)#10, 3/4"	LIGHTS, ABOVE EXTERIOR DOOR & DOCK	5	5	
7	LIGHTS, SALES AREA (1/3)	(2)#10, 3/4"	1,670	20/1	19	20	20/1	0.529	(2)#12, 3/4"	EXIT SIGN & EMERGENCY/NIGHT LIGHTS, RR8, FTG, HALL	5	5	
2	LIGHTS, SALES AREA (2/3)	(2)#10, 3/4"	1,425	20/1	21	22	20/1	0.962	(2)#12, 3/4"	EXIT SIGNS & EMERGENCY/NIGHT LIGHTS, OFFICES, P/E/L/H	5	5	
2	LIGHTS, SALES AREA (2/3)	(2)#10, 3/4"	1,710	20/1	23	24	20/1	2.459	(2)#10, 3/4"	EXIT SIGNS & EMERGENCY/NIGHT LIGHTS, SLS	5	5	
SPARE				20/1	25	26	20/1			SPARE			
SPARE				20/1	27	28	20/1	0.800	(2)#12, 3/4"	LIGHTS, FUTURE SPACE A, B & C (0-A)	1	1	
SPARE				20/1	29	30	20/1	0.570	(2)#12, 3/4"	LIGHTS, FUTURE SPACE D & E, (0-A)	1	1	
1	LIGHTS, OFFICES (2/3)	(2)#12, 3/4"	0.475	20/1	31	32	20/1			SPARE			
1	LIGHTS, OFFICES, (1/3)	(2)#12, 3/4"	0.225	20/1	33	34	20/1			SPARE			
2	LIGHTS, RESTROOMS, FITTING ROOMS (2/3)	(2)#12, 3/4"	0.950	20/1	36	36	20/1			SPARE			
7	LIGHTS, RESTROOMS, FITTING ROOMS (1/3)	(2)#12, 3/4"	0.500	20/1	37	38	20/1			SPARE			
1	LIGHTS, PROCESSING ROOM (1/2, ALL)	(2)#12, 3/4"	1.425	20/1	39	40	20/1			SPARE			
SPARE				20/1	41	42	20/1			SPARE			

NOTES:  
 1 PROVIDE AND SIZE GROUND CONDUCTORS PER 2011 NEC. FOR ALL CIRCUITS NOT SHOWN AND INDICATED ON THIS PANEL SCHEDULE & ON PLANS UNLESS OTHERWISE NOTED.  
 2 PROVIDE LOCKABLE CIRCUIT BREAKER AND TO BE LOCKED.  
 3 NEW PANEL CIRCUIT SCHEDULES TO BE TYPED, NOT HANDWRITTEN, ON PANEL MANUFACTURERS SUPPLIED TEMPLATE.  
 4 ALL PANELS TO BE IDENTIFIED WITH ENGRAVED PHENOLIC RESIN PLACARDS.

2  
 3

