

LIGHT FIXTURE SCHEDULE

FIXTURE DATA										LAMP DATA		NOTES
TAG	MANUFACTURER	CATALOG NUMBER	MOUNTING	VOLT	VA	QTY	QTY	LAMP TYPE	DESCRIPTION			
L4	TEXAS FLUORESCENTS	S-1-32-XI-P12-LN18W40	SEE NOTE 14 BELOW	120	18	13	1	LED48T8 18W2100LRK 4000K	4' STRIP WITH (1) T8 LINEAR LED TUBE. (PROVIDE WITH 4 WIRE HARNESS, INCLUDING WHITE, BLACK, GREEN AND BLUE FOR EM BACKUP)			
L8	TEXAS FLUORESCENTS	S-1-32-8-XI-P12-LN18W40	SEE NOTE 14 BELOW	120	36	87	2	LED48T8 18W2100LRK 4000K	8' STRIP WITH (2) T8 LINEAR LED TUBE. (PROVIDE WITH 4 WIRE HARNESS, INCLUDING WHITE, BLACK, GREEN AND BLUE FOR EM BACKUP)			
L8 (EM)	TEXAS FLUORESCENTS	S-1-32-8-XI-P12-LN18W40	SEE NOTE 14 BELOW	120	36	7	2	LED JIGZYT818W 1200BONT40KFUS	L8 FIXTURE WITH 1 LAMP SOCKET FACTORY WIRE TO BLACK WIRE AND 1 LAMP WIRE TO BLUE WIRE. BLUE WIRE IS FED FROM MINI-INVERTER (MI) WITH 90 MINUTE BATTERY BACKUP.		SEE NOTE 8 BELOW	
L8 (DLH)	TEXAS FLUORESCENTS	S-1-32-8-P12	SEE NOTE 14 BELOW	120	36	6	2	LED JIGZYT818W 1200BONT40KFUS	8' STRIP WITH (2) T8 LINEAR LED TUBE, ZY-DR-WG21-1 DIMMABLE DRIVER, FACTORY MOUNTED/PREWired OCCUPANCY SENSOR, PHOTOCELL AND 4 WIRE HARNESS.			
CW	LITHONIA	XWLED	SURFACE	120	24	9	1	4000K LED	4' LED STRIPLIGHT W/ CLEAR PRISMATIC POLYCARBONATE LENS, 4000K. U/L WET LISTED. SURFACE MOUNTED, COORDINATE WITH FDS CONSTRUCTION REPRESENTATIVE.			
G	LITHONIA	DSXW1 LED 20C 1000 40K T3M MVOLT	WALL	120	75	4	1	LED	DSXW1 OUTDOOR LED WALL PACK WITH INTEGRAL DRIVER, 4000K LED COLOR. WET LABEL, VERIFY FINISH WITH FDS. REFER TO ARCH DRAWINGS FOR MOUNTING HEIGHT.		SEE NOTE 11 BELOW	
N	LITHONIA	DSXW1 LED 10C 350 40K T2S MVOLT	WALL	120	14	5	1	LED	DSXW1 OUTDOOR LED WALL PACK WITH INTEGRAL DRIVER, 5000K LED COLOR. WET LABEL, VERIFY FINISH WITH FDS. REFER TO ARCH DRAWINGS FOR MOUNTING HEIGHT.		SEE NOTE 12 BELOW	
MI	THOMAS & BETTS	EMU-250	WALL	120	250	1	-	LED	EMERGENCY LIGHTING MINI INVERTER, 2 BATTERIES RATED AT 250WATTS FOR 90 MINUTES, CONNECT TO ALL EM FIXTURES VIA BLUE WIRE.		SEE NOTE 8 BELOW	
EXL	BEST LIGHTING PRODUCTS	LEDXTEU2RW-RC	UNIVERSAL	120	3.4	4	-	LED	LED COMBO EXIT SIGN AND EMERGENCY HEAD UNIT WITH RED LETTERS AND WHITE HOUSING, 90 MINUTE BATTERY BACKUP REMOTE HEAD CAPABLE.		SEE NOTE 7 BELOW	
R	BEST LIGHTING PRODUCTS	RHLED-2-PWP-MV-HL	UNIVERSAL	120	2	3	2	LED	SURFACE MOUNTED EXTERIOR EMERGENCY LIGHT. WET LOCATION LISTED. CONNECT TO EXL FIXTURE PER MANUFACTURERS INSTALLATION INSTRUCTIONS. PROVIDE WITH ELA WGI WIREGUARD IN HIGHRISK AREAS.			

- NOTES:
- NO SUBSTITUTIONS ALLOWED ON LIGHTING OR CONTROL PRODUCTS. ALL INTERIOR AND EXTERIOR LIGHT FIXTURES AND LIGHT FIXTURE ACCESSORIES (I.E. HANGERS, BULBS, ETC.) SHALL BE ORDERED AND PAID FOR BY EITHER THE DEVELOPER OR THE GENERAL CONTRACTOR FOR THE PROJECT. THE EC WILL NO LONGER BE ABLE TO ORDER THESE ITEMS.
ALL INTERIOR AND EXTERIOR LIGHTING AND CENTRAL BATTERY SYSTEMS SHALL BE ORDERED FROM NATIONAL ENERGY AND LIGHT. CONTACT BRIDGETTE FOURNIER AT 803-718-1839 OR EMAIL BFOURNIER@SLCOMPANY.COM FOR ADDITIONAL INFORMATION
 - VERIFY LUMINAIRE FINISH COLOR WITH FAMILY DOLLAR STORES (FDS).
 - COORDINATE MOUNTING WITH CEILING TYPE.
 - ALL LAMPS SHALL BE PROVIDED WITH LIGHT FIXTURES.
 - EC SHALL PROVIDE ALL NECESSARY SUPPORT HARDWARE AND ADAPTERS FOR EACH LUMINAIRE UNLESS NOTED OTHERWISE.
 - EC SHALL COORDINATE VOLTAGE OF LUMINAIRE WITH CIRCUIT VOLTAGE
 - EXIT, EMERGENCY AND NIGHT LIGHT (NL) LIGHT FIXTURES SHALL BE CIRCUITED TO AN UNSWITCHED LEG OF THE LOCAL LIGHTING CIRCUIT, INCLUDING CONTACTORS, UNLESS NOTED OTHERWISE.
 - "EM" INDICATES FIXTURE WIRE TO CENTRAL BATTERY BACK (MINI-INVERTER "MI")
 - LIGHT FIXTURE WATTAGES LISTED ARE ACTUAL INPUT WATTAGES OBTAINED FROM BALLAST MANUFACTURER FOR THE SPECIFIC FIXTURE. THESE VALUES SHALL BE USED WHEN SHOWING COMPLIANCE WITH ENERGY CODES.
 - TYPE 'L' FIXTURE UNIT IS ONLY USED WHERE POLE LIGHTING CAN NOT BE UTILIZED DUE TO SITE RESTRICTIONS.
 - TYPE 'G' FIXTURE TO BE USED ON ALL STORE SIDES INCLUDING STORE FRONT.
 - TYPE 'N' FIXTURE IS TO BE USED IN PLACE OF TYPE 'G' FIXTURE ON STORE SIDES WHERE A LIGHT FIXTURE WITH A SHARP CUTOFF IS REQUIRED (I.E. BUILDING PLACED CLOSE TO PROPERTY LINE).
 - REFER TO VENSTAR SYSTEM DETAIL FOR CONTROL WIRING DETAILS
 - FIXTURES IN THE SALES AREA AND SALES SUPPORT AREA SHALL BE SUSPENDED FROM STRUCTURE USING CADDY SPEED LINKS. PENTAIR CADDY SPEED LINK UNIVERSAL SUPPORT SYSTEM INCLUDES LOCKING DEVICE, WIRE ROPE AND SPECIALTY END FITTING. CADDY SPEED LINK SUPPORT SYSTEM SHALL BE FURNISHED WITH LIGHT FIXTURES. SUSPEND TOP OF FIXTURE TO 11'-8" AFF IN SALES AREA AND BOTTOM OF FIXTURE TO 10'-0" IN SALES SUPPORT AREA. FIXTURES IN RESTROOM, OFFICE AND VESTIBULE SHALL BE SURFACE MOUNTED.
 - VERIFY MOUNTING LOCATION OF ALL OCCUPANCY SENSORS WITH SUPPLIER PRIOR TO INSTALLATION.
 - PROVIDE 3/4" CONDUIT AND #12 MINIMUM TO ALL LIGHTING CIRCUITS, UNLESS NOTED OTHERWISE.
 - ALL SWITCHES AND OCCUPANCY SENSORS TO BE MOUNTED NO MORE THAN 48" AFF UNLESS NOTED OTHERWISE.

ELECTRICAL ABBREVIATIONS

- 18" DIMENSION INDICATES HEIGHT ABOVE FINISHED FLOOR AT WHICH CENTER OF DEVICE IS TO BE MOUNTED.
- AFF ABOVE FINISHED FLOOR.
- AFB ABOVE FINISHED GRADE.
- EC ELECTRICAL CONTRACTOR.
- FPN FUSE PER EQUIPMENT NAMEPLATE REQUIREMENTS.
- GC GENERAL CONTRACTOR.
- MC MECHANICAL CONTRACTOR.
- PC PLUMBING CONTRACTOR.
- WP INDICATES DEVICE TO HAVE WEATHERPROOF COVER.
- UN UNLESS OTHERWISE NOTED.
- FACP FIRE ALARM CONTROL PANEL.

KEY NOTES

- COORDINATE LIGHT ROW LOCATIONS WITH FINAL COLUMN LAYOUT.
- CONNECT OCCUPANCY SENSOR IN SALES SUPPORT AREA SO THAT THE SENSOR WILL TURN ON CIRCUIT OR ALLOW CIRCUIT TO REMAIN ON. MOUNT SENSOR AT 48" AFF CENTER OF DEVICE.
- MOUNT EMERGENCY LIGHT BELOW EACH FIXTURE TIGHT TO ENTRY SOFFIT. COORDINATE WITH FDS CONSTRUCTION REPRESENTATIVE.
- REFER TO VENSTAR LIGHTING CONTROLS AND MECHANICAL INTERFACES.
- PROVIDE OPEN/CLOSE CONTROLLER AS SHOWN IN DETAIL 11/E3.0. COORDINATE WITH VENSTAR SYSTEM FOR CONTACT CLOSURE TO LCP.
- MINI-INVERTER TO PROVIDE "NORMALLY ON" POWER TO NIGHTLIGHT/EMERGENCY LIGHT FIXTURES VIA BLUE WIRE IN LIGHT FIXTURE WIRING HARNESS PROVIDED WITH LIGHT FIXTURE. IN A POWER LOSS SITUATION, MINI-INVERTER WILL PROVIDE POWER TO NIGHT LIGHT/EMERGENCY LIGHT FIXTURES FROM THE ONBOARD BATTERY SUPPLY. FIELD WIRE TO ROWS CONTAINING EMERGENCY LIGHT FIXTURES (EM) AND CONNECT TO WIRING HARNESS BLUE WIRE.
- CENTER EXTERIOR REMOTE EMERGENCY FIXTURE OVER LOADING DOOR. COORDINATE WITH ARCHITECTURAL PLANS FOR PLACEMENT TO PROVIDE ZERO INTERFERENCE WITH GUTTERS.
- THIS LIGHT FIXTURE ONLY SHALL BE CONTROLLED BY SEPARATE PHOTOCELL BY EC (ON AT DUSK, OFF AT DAWN). WIRE VIA PHOTOCELL TO HOT LEG OF NEAREST EXTERIOR LIGHTING CIRCUIT AHEAD OF ANY SWITCHING INCLUDING CONTACTORS. THIS LIGHT SHALL REMAIN ON ALL NIGHT AFTER ALL OTHER EXTERIOR LIGHTS ARE TURNED OFF. THIS FIXTURE IS NOT CONTROLLED BY VENSTAR SYSTEM.
- PROVIDE CONNECTION TO "CW" LIGHT FIXTURES, MOUNTED TO WALL FACE. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL ELEVATIONS. "CW" FIXTURES ARE MOUNTED TO BUILDING FACADE UNDER AWNING. COORDINATE FINAL MOUNTING LOCATION WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.

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architecture
+ engineering

Alisa Avenue Suite 100
Greenville, SC 29615
Phone: 479.636.3545
Fax: 479.636.1209

Engineer of Record
Keith A. Williams, P.E.
South Carolina License No. 25844
COA Number: 4672

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FAMILY DOLLAR STORE

1145 WHITE HORSE RD.
GREENVILLE, SOUTH CAROLINA

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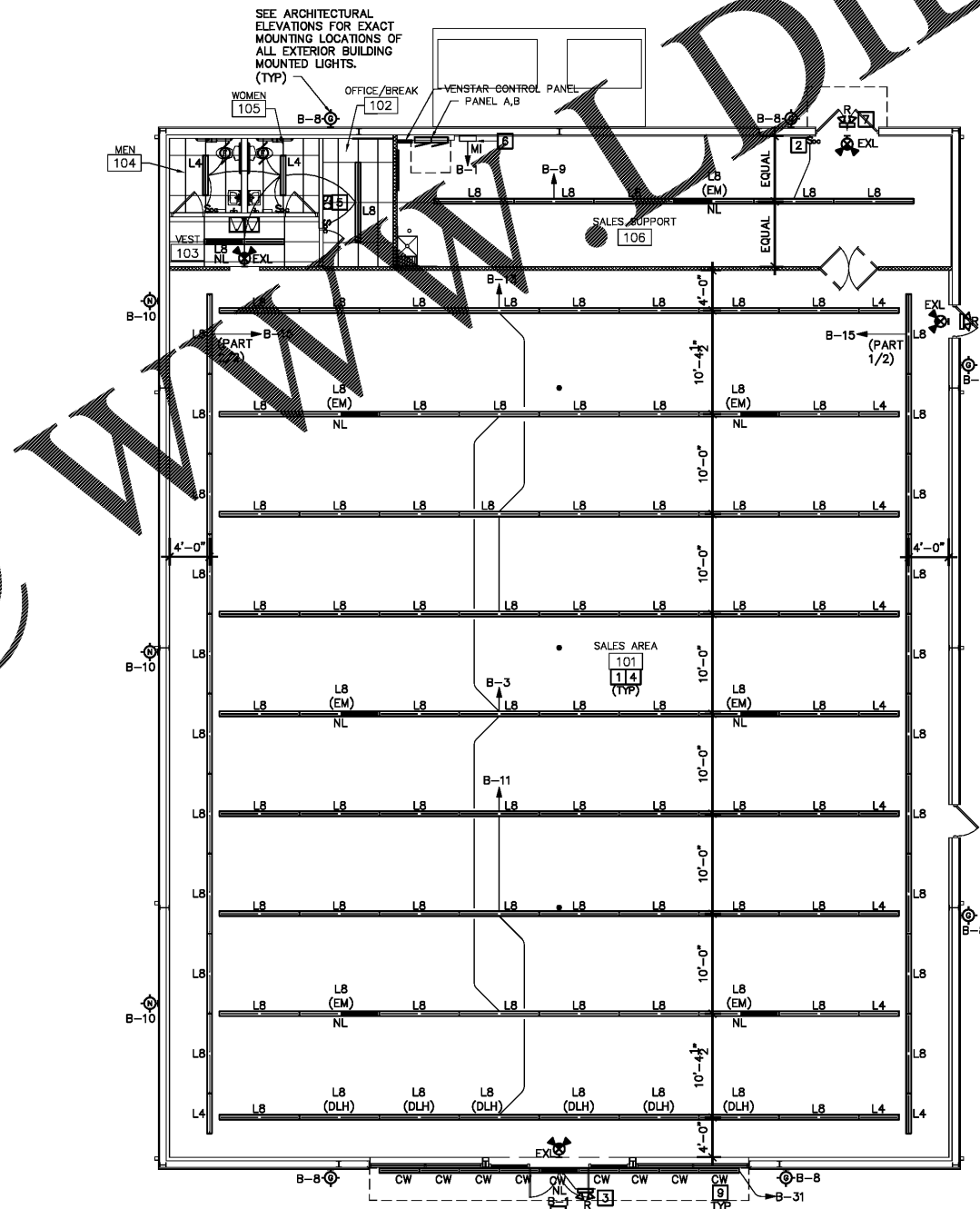
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STATE OF SOUTH CAROLINA
PB2 Architecture + Engineering, PLLC
100115
REGISTERED ARCHITECT

STATE OF SOUTH CAROLINA
KEITH A. WILLIAMS
No. 25844
REGISTERED PROFESSIONAL ENGINEER
6/22/17

LIGHTING PLAN

SHEET: E1.0



1 LIGHTING PLAN
1/8" = 1'-0"

ELECTRICAL SYMBOL LEGEND

<p>CIRCUIT CONDUCTORS CONCEALED IN FLOOR, WALL OR CEILING.</p> <p>ARROWHEAD INDICATES HOMERUN TO PANEL NOTED.</p> <p>INDICATES HOT LEG OF CIRCUIT TO BE CARRIED OVER TO NEXT DEVICE. SEE PLANS FOR CONTROL SCHEME.</p> <p>JUNCTION BOX WALL OR CEILING MOUNTED.</p> <p>POWER POLE</p> <p>SINGLE POLE SWITCH, 20A, 120/277 VOLT, 48" A.F.F. TO CENTER.</p> <p>"M" INDICATES 120V, 20A MOTOR RATED TOGGLE SWITCH.</p> <p>OCCUPANCY SENSOR SWITCH WITH OVERRIDE SWITCH MOUNTED 48" A.F.F. TO CENTER. PROVIDE SENSOR SWITCH MODEL #55-WH DUPLEX RECEPTACLE, 15 AMP, 120V, 18" A.F.F. TO CENTER UNLESS OTHERWISE SPECIFIED.</p> <p>"GF" INDICATES GROUND FAULT CIRCUIT INTERRUPTER TYPE</p> <p>"WP" INDICATES WEATHER PROOF</p> <p>"WR" INDICATES WEATHER RESIST</p> <p>"EWC" INDICATES GFI TYPE RECEPTACLE MOUNT INSIDE ENCLOSURE OF ELECTRIC WATER COOLING UNIT</p> <p>"IG" INDICATES ISOLATED GROUND RECEPTACLE WITH GROUND WIRE AND DEDICATED NEUTRAL</p> <p>"DU" INDICATES DUPLEX RECEPTACLE AS ABOVE 18" A.F.F., UNLESS NOTED OTHERWISE</p> <p>208V RECEPTACLE. SEE PLANS FOR NEMA CONFIGURATION.</p> <p>WEATHER PROOF PUSH BUTTON FOR DOORBELL SYSTEM MOUNTED 48" A.F.F. TO CENTER. EDWARDS MODEL #852</p> <p>SIGNAL BELL FOR DOOR BELL SYSTEM MOUNTED 11'-0" A.F.F. CONNECT TO SIGNAL BELL TRANSFORMER. EDWARDS MODEL #55-405 (24V AC)</p> <p>LOW VOLTAGE STEP DOWN TRANSFORMER FOR DOOR BELL SYSTEM. EDWARDS MODEL #592.</p> <p>PHONE OUTLET, 18" A.F.F. TO CENTER U.L.O. PROVIDE SINGLE GANG DATA BOX WITH 1" CONDUIT WITH PULL STRING TO ABOVE LAY-IN CEILING OR TO 12" AFF IN AREAS WITH NO CEILING. TERMINATE WITH BUSHINGS. CAT5 CABLE AND COVER PLATE SHALL BE INSTALLED BY FDS LOW VOLTAGE CONTRACTOR.</p> <p>DATA OUTLET, 18" A.F.F. TO CENTER U.L.O. PROVIDE SINGLE GANG DATA BOX WITH 1" CONDUIT WITH PULL STRING TO ABOVE LAY-IN CEILING OR TO 12" AFF IN AREAS WITH NO CEILING. TERMINATE WITH BUSHINGS. CAT5 CABLE AND COVER PLATE SHALL BE INSTALLED BY FDS LOW VOLTAGE CONTRACTOR.</p>	<p>HEAVY DUTY FUSIBLE DISCONNECT SWITCH NUMBERS INDICATE FRAME SIZE, NUMBER OF POLES AND FUSING. PROVIDE NEMA 1 ENCLOSURE INSIDE. PROVIDE NEMA 3 ENCLOSURE FOR ALL SWITCHES LOCATED OUTSIDE.</p> <p>"FPN" INDICATES FUSE PER EQUIPMENT NAMEPLATE</p> <p>"NF" INDICATES NON-FUSED.</p> <p>120V/120V PANEL, SURFACE OR RECESS MOUNTED, SEE SCHEDULE FOR DETAILS.</p> <p>FAN, PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR, WIRING BY ELECTRICAL CONTRACTOR. PROVIDE DISCONNECTING MEANS AS REQUIRED.</p> <p>WATER HEATER, PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR, WIRING BY ELECTRICAL CONTRACTOR. PROVIDE DISCONNECTING MEANS AS REQUIRED.</p> <p>SURFACE MOUNTED OR SUSPENDED LED STRIP, SEE FIXTURE SCHEDULE</p> <p>WALL MOUNTED LIGHTING FIXTURE, SEE FIXTURE SCHEDULE FOR DETAILS.</p> <p>SURFACE, RECESSED OR PENDANT MOUNTED LIGHTING FIXTURE, SEE FIXTURE SCHEDULE FOR DETAILS.</p> <p>ELECTRIC UTILITY METER LOCATION.</p> <p>EXIT LIGHT, CEILING AND WALL MOUNTED RESPECTIVELY, SHADING INDICATES FACE. PROVIDE RED LETTERS WITH BLACK HOUSING AND EMERGENCY BATTERY PACK RATED FOR 90 MINUTE DURATION. WIRE TO HOT LEG OF LOCAL LIGHTING CIRCUIT.</p> <p>EMERGENCY LIGHT, WALL MOUNTED WITH EMERGENCY BATTERY PACK RATED FOR 90 MINUTE DURATION. WIRE TO HOT LEG OF LOCAL LIGHTING CIRCUIT.</p> <p>EXTERIOR MOUNTED EMERGENCY LIGHT, WALL MOUNTED WITH EMERGENCY BATTERY PACK WIRE TO HOT LEG OF LOCAL LIGHTING CIRCUIT.</p> <p>DUCT MOUNTED SMOKE DETECTOR, CONNECT TO 120V CIRCUIT INDICATED. DETECTOR SHALL BE SUPPLIED AND INSTALLED BY M.C., 120V WIRING BY E.C.</p> <p>DUCT DETECTOR AUDIO/VISUAL DEVICE MOUNTED 80" AFF TO BOTTOM OF DEVICE. NOTIFICATION DEVICES SHALL BE FURNISHED AND INSTALLED BY E.C. SEE WIRING DIAGRAM 3/E2.0 FOR DETAILS.</p> <p>DUCT SMOKE DETECTOR REMOTE TEST STATION MOUNTED AT COMMUNICATION BOARD. SEE DETAIL 3/E2.1 FOR EXACT LOCATION. REMOTE TEST STATION SHALL BE FURNISHED AND INSTALLED BY E.C. SEE WIRING DIAGRAM 3/E2.0 FOR DETAILS.</p>
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