



ROBERT JOHNSON  
architects  
1808 West Morehead St.  
Charlotte, NC 28208  
T 704 / 342.1058  
F 704 / 342.3043



STAMPS

CONSULTANT



MIDSOUTH  
CARPENTER'S  
TRAINING  
TRUST  
La Vergne, TN

PROJECT NUMBER 1982  
ISSUE DATE

FOR PERMIT 09.30.20

DRAWING DATA  
DRAWN BY: GKG  
CHECKED BY: MJS

SHEET TITLE  
ELECTRICAL  
SCHEDULES

SHEET NUMBER

E-0.2

WWW.LDILine.com

Order Plans @

### LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG	LUMENS/LAMPS	DRIVER/BALLASTS	WATTS	VOLTAGE	DESCRIPTION
A	ALPHABET LIGHTING	8836/8811/8812/8813/8814/8815/8816/8817/8818/8819/8820/8821/8822/8823/8824/8825/8826/8827/8828/8829/8830/8831/8832/8833/8834/8835/8836/8837/8838/8839/8840/8841/8842/8843/8844/8845/8846/8847/8848/8849/8850/8851/8852/8853/8854/8855/8856/8857/8858/8859/8860/8861/8862/8863/8864/8865/8866/8867/8868/8869/8870/8871/8872/8873/8874/8875/8876/8877/8878/8879/8880/8881/8882/8883/8884/8885/8886/8887/8888/8889/8890/8891/8892/8893/8894/8895/8896/8897/8898/8899/8900/8901/8902/8903/8904/8905/8906/8907/8908/8909/8910/8911/8912/8913/8914/8915/8916/8917/8918/8919/8920/8921/8922/8923/8924/8925/8926/8927/8928/8929/8930/8931/8932/8933/8934/8935/8936/8937/8938/8939/8940/8941/8942/8943/8944/8945/8946/8947/8948/8949/8950/8951/8952/8953/8954/8955/8956/8957/8958/8959/8960/8961/8962/8963/8964/8965/8966/8967/8968/8969/8970/8971/8972/8973/8974/8975/8976/8977/8978/8979/8980/8981/8982/8983/8984/8985/8986/8987/8988/8989/8990/8991/8992/8993/8994/8995/8996/8997/8998/8999/9000	34 LED RETROFIT LAMP BY CONTRACTOR	ELECTRONIC	90W UL LABEL	120V	DECORATIVE WALL MOUNTED FIXTURE WITH ARM. UL LISTED FOR WET LOCATION COORDINATE MOUNTING WITH ARCHITECTURAL ELEVATIONS. WET LOCATION RATED. (DARK BRONZE, TEXTURED FINISH)
D	LITHONIA CORONE HE WILLIAMS	WST LED P2-40K-VF MVOLT DDB3D	3000 LUMENS, LED, 4000K	0-10V DIMMING DRIVER	30W	MVOLT	UL LISTED WALL PACK. COORDINATE MOUNTING WITH ARCHITECTURAL ELEVATIONS COORDINATE MOUNTING WITH ARCHITECTURAL ELEVATIONS. WET LOCATION RATED. (DARK BRONZE FINISH)
DE	GOTHAM CREE HE WILLIAMS	EVO 4015 6AR MD LSS MVOLT EL S-DL S 24L 40K UNV. EL LEO L5C640-6SM DM UNV. EL	1500 LUMENS, LED, 4000K	0-10V DIMMING DRIVER	19W	MVOLT	6" RECESSED LED DOWN LIGHT. CLEAR REFLECTOR WITH SEMI-SPECULAR FINISH. ARCHITECT SHALL VERIFY TRIM COLOR & FINISH PRIOR TO ORDERING. WET LOCATION RATED.
E	ALPHABET LIGHTING	NL 40D X 1M 19 20LM 35K 43 HE40 277 DM10 NO WH WH	1730 DELIVERED LUMENS, LED, 3500K	0-10V DIMMING DRIVER	26W	277V	4" RECESSED LED DOWN LIGHT. CLEAR REFLECTOR WITH SEMI-SPECULAR FINISH. ARCHITECT SHALL VERIFY TRIM COLOR & FINISH PRIOR TO ORDERING.
F	ALPHABET LIGHTING	BE TAVAR 60RRA-4-XM19-20LM35K-43 HE40-UNV-DM10-DR-4P	1830 DELIVERED LUMENS, LED, 3500K	0-10V DIMMING DRIVER	21W	277V	4" SUSPENDED CYLINDER. CLEAR REFLECTOR WITH SEMI-SPECULAR FINISH. ARCHITECT SHALL VERIFY TRIM COLOR & FINISH PRIOR TO ORDERING. BLACK FINISH.
G	MODERN FORMS	"LOCO" PD-6572S-GL	860 LUMENS DELIVERED LED 3000K	ELECTRONIC ELV DIMMING	25W	MVOLT	UL LISTED DECORATIVE SHADE FIXTURE. VERIFY MOUNTING HEIGHT PRIOR TO ORDERING. GOLD LEAF/DARK BRONZE.
H	BARN LIGHT	BLE-C-YL14-LD-105-9ND4-C8BW-200-CLR-N4-LED12-3500K	1200 LUMENS, LED, 3500K	ELECTRONIC TRAC DIMMING	16W	120V	CLASSROOM PENDANT. COORDINATE WITH ARCHITECT FOR MOUNTING. FIXTURE FINISH TO BE DETERMINED BY ARCHITECT. FOUR STANDARD SLOT.
I	WAC LIGHTING	PD-70913-40K	1999 LUMENS, LED, 3000K ONLY OFFERED	0-10V DIMMING DRIVER	11W	MVOLT	UL LISTED PENDANT. COORDINATE WITH ARCHITECT FOR MOUNTING. BLACK FINISH.
J	WAC LIGHTING	WS-28822-40K	2102 LUMENS, LED, 3000K ONLY OFFERED	ELECTRONIC ELV DIMMING	32.4W	120V	RESTROOM WALL SCNCE. VERIFY WITH ARCHITECTURAL ELEVATIONS FOR MOUNTING. BLACK FINISH.
K	LUMENPULSE OR EQUAL	LCN2 RO 1248 CL UL 277V 35K WH	1265 LUMENS (4FT), LED, 3500K	0-10V DIMMING DRIVER	3.0W/FT	MVOLT	UL LISTED ADJUSTABLE COVE FIXTURE. FIXTURE SET BACK FROM EDGE OF CEILING FEELER SCISSORS CANNOT BE SEEN. PROVIDE CABLES, CONTROLLER FIXTURES, AND ALL COMPONENTS FOR COMPLETE SYSTEM. FIELD TAKE OFF QUANTITIES.
L	LITHONIA CORONE HE WILLIAMS	2BLT4 40L ADP E21 LP835 40R1 LED SERIES PT-24-6000ES	4000 LUMENS, LED, 3500K	0-10V DIMMING DRIVER	32W	MVOLT	RECESSED 2X4 LAY-IN WITH CENTER BASKET ACRYLIC DIFFUSER.
M	LITHONIA MERCURY HE WILLIAMS	Z 10 148 5000LM MVOLT 250K 90 CR WH ZACV1	5000 LUMENS, LED, 3500K	0-10V DIMMING DRIVER	41W	MVOLT	4" LED STRIP FIXTURE. WHITE FINISH WITH ACRYLIC DROPPED CURVED DIFFUSER. PROVIDE AIRCRAFT CABLE FOR MOUNTING TO SUSPENDED HEIGHT DETERMINED BY ARCHITECT.
N	COLUMBIA	NOTE 7 <CHB2-500W/F4-EDU> <CHB2-500W/F4-EDU>ELL14 > NOTE 7	27,700 LUMENS, LED, 5000K	0-10V DIMMING DRIVER	223W	MVOLT	UL LISTED LINEAR HIGH BAY FIXTURE. COORDINATE WITH ARCHITECTURAL SECTIONS FOR MOUNTING. SUSPENDED FROM STRUCTURE. SEE NOTE 7.
O	HYREL	TPS1 18 LED WH141K MVOLT NSP YM PPSA FG5 LDM LP DDB	2,666 LUMENS, LED, 4100K	0-10V DIMMING DRIVER	34W	MVOLT	UL LISTED, IP 65 RATED ADJUSTABLE SPOT FLOOD LIGHTING FOR FLAG ILLUMINATION CONSULT FACTORY SPACING GUIDE FOR BACKSPACING DEPENDENT ON POLE HEIGHT AND FLAG SIZE PRIOR TO ORDERING AND ROUGH-IN WORK. PROVIDE ACCESSORIES FOR MOUNTING.
	LITHONIA M&E COMPASS	QM LED SERIES SDR3U SERIES CC SERIES	LED 3.5-4.9W/WEDGE	ELECTRONIC	1.5W/FACE 14W	MVOLT	WALL MOUNTED COMBO EMERGENCY LED EXIT SIGN WITH POLYCARBONATE HOUSING WITH SELF-CONTAINED POWER PACK FOR 90MIN OPERATION. NICAD BATTERY. BLACK HOUSING. RED LETTERS. (VERIFY COLOR WITH ARCHITECT/INTERIORS)
	LITHONIA M&E COMPASS	LITHOM SERIES MS SERIES CE SERIES	LED 2.5W/FACE	ELECTRONIC	2.5W/FACE	120V	LED EXIT SIGN WITH SELF-CONTAINED POWER PACK FOR 90MIN OPERATION. VERIFY HOUSING. NICAD BATTERY & RED LETTERS. (VERIFY COLOR WITH ARCHITECT/INTERIORS)
	LITHONIA OR EQUAL	ELM6L SERIES	2-10.0V LED	ELECTRONIC	10W	120V	1H LUMEN CEILING MOUNTED SELF-CONTAINED EMERGENCY LIGHT POLYCARBONATE HOUSING WITH SELF-CONTAINED POWER PACK FOR 90MIN OPERATION. (VERIFY COLOR WITH ARCHITECT/INTERIORS)
	LITHONIA OR EQUAL	ELM6L SERIES	2-2.4W LED	ELECTRONIC	10W	120V	WALL MOUNTED SELF-CONTAINED EMERGENCY LIGHT POLYCARBONATE HOUSING WITH SELF-CONTAINED POWER PACK FOR 90MIN OPERATION. (VERIFY COLOR WITH ARCHITECT/INTERIORS)
	DUAL LIGHT	PG 2	TWO LAMPS INCLUDED		16W	120V	EXTERIOR EMERGENCY LIGHT WITH BATTERY BACKUP. TWO LAMPS AND UL LABEL. VERIFY FINISH. 90 MINUTE EMERGENCY BATTERY BACKUP (DARK BRONZE FINISH)
OA	KIM LIGHTING	AL12-100L-240-40K-4W	2811 LUMENS, LED, LED, 4000K	0-10V DIMMING DRIVER	241W	MVOLT	UL LISTED AREA LIGHT. COORDINATE CONCRETE POLE BASE WITH CIVIL SHEET 20'4" ABOVE FINISHED GRADE. FULL CUT OFF FIXTURE.
OB	KIM LIGHTING	WDS-0-24L-40-4K-3	1071 LUMENS, LED, 4000K	0-10V DIMMING DRIVER	42W	MVOLT	UL LISTED LED WALL PACK. VERIFY LOCATIONS WITH ARCHITECT ELEVATIONS. PRIOR TO ANY ROUGH IN WORK. 13'-0" ABOVE FINISHED GRADE.

#### FIXTURE NOTES:

- SUBSTITUTIONS MUST BE EQUAL IN CONSTRUCTION, FINISH, ENERGY USAGE AND PHOTOMETRY. ALL SUBSTITUTIONS SHALL BE SUBMITTED TO THE ENGINEER, WITH CUTSHEETS AND PHOTOMETRY. THE ENGINEER MUST RECEIVE THESE WITH TIME ALLOWED TO REVIEW AND ISSUE A WRITTEN APPROVAL BACK TO THE SUBMITTING PARTY TEN (10) DAYS PRIOR TO BID. SUBSTITUTE FIXTURES SHALL BE LISTED SEPARATELY AND UNIT PRICED AT TIME OF BID, SO THAT THE ENGINEER AND OWNER CAN MAKE AN INFORMED DECISION. NO SUBSTITUTIONS WILL BE CONSIDERED AFTER THE 10 DAY PRIOR BID PROCESS ENDED.
- SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT FIXTURE LOCATIONS.
- ALIGN ALL HORIZONTAL LUMINAIRES SO THAT THE LIGHT SOURCES ARE ALIGNED IN THE SAME DIRECTION.
- SUSPEND TWO OPPOSITE CORNERS WITH WIRE TO STRUCTURE. DO NOT ALLOW GRID ALONE TO SUPPORT FIXTURES.
- WHERE FIXTURE IS INDICATED AS EMERGENCY PROVIDE AN EMERGENCY BATTERY BACKUP INDICATED ON DETAIL THIS SHEET.
- FIXTURE FLANGES AND TRIMS SHALL MATCH CEILING TYPES.
- THE CONTRACTOR SHALL PROVIDE ALTERNATE PRICING FOR COLUMBIA FIXTURE, OR EQUAL, WITH BATTERY BACKUP OPTION. VENDOR TO PROVIDE PHOTOMETRY THAT ACHIEVES 1FC AVERAGE WITH 0.1 MIN FOR QUANTITY OF FIXTURES. IN lieu of MAXILLITE AND HILUMEN XY EMERGENCY LIGHTS.

EQUIPMENT SCHEDULE							
ITEM NO.	DESCRIPTION	LOAD			MTG. HT.	REMARKS	
		KW	AMP	HP			
1	WELDING STATION (X4)	-	10.0	480	3	DISCONNECT INCLUDED	
2	MILLER ML 507251-WELDER (X8)	-	-	480	3	VERIFY 30FP20-3P	
3	SPECTRUM 3000-WELDER (X1)	-	-	480	3	VERIFY 30FP20-3P	
4	CNC ROUTER	-	100	480	3	VERIFY 100FPN-3P	
5	VACUUM PUMP	-	20	480	3	VERIFY 80FPN-3P	
6	ROBOT CONNECTION	-	20	480	3	VERIFY 30FPN-3P	
7	PLUNGER	-	10	120	1	VERIFY W/EQUIPMENT	
8	CONTRACTOR	-	15.0	480	3	VERIFY 30FPN-3P	
9	TABLE SAW (X1)	-	14.0	3.0	230	1	VERIFY 30FPN-3P
10	EQUAL ALTERNATE (X1)	-	14.0	3.0	230	1	VERIFY 30FPN-3P

ENERGY CODE	
2018 IECC ELECTRICAL SUMMARY	
METHOD OF COMPLIANCE:	<input checked="" type="checkbox"/> PRESCRIPTIVE <input type="checkbox"/> PERFORMANCE <input type="checkbox"/> ENERGY COST BUDGET
LIGHTING SCHEDULE	SEE LIGHT FIXTURE SCHEDULE ON THIS SHEET
LAMP TYPE REQUIRED IN FIXTURE	
NUMBER OF LAMPS IN FIXTURE	
BALLAST TYPE USED IN THE FIXTURE	
NUMBER OF BALLASTS IN FIXTURE	
TOTAL WATTAGE PER FIXTURE	
TOTAL INTERIOR WATTAGE SPECIFIED VS ALLOWED	13,845 WATTS VS 21,911 WATTS
EXTERIOR WATTAGE SPECIFIED VS ALLOWED	4,065 WATTS VS 4,067 WATTS
SECTION C401.2 SHALL BE ACHIEVED BY ONE OF THE BELOW:	
<input type="checkbox"/> a. C406.2 MORE EFFICIENT HVAC EQUIPMENT	
<input type="checkbox"/> b. C406.3 REDUCED LIGHTING POWER DENSITY	
<input type="checkbox"/> c. C406.4 ENHANCED DIGITAL LIGHTING CONTROL SYSTEM	
<input type="checkbox"/> d. C406.5 ON-SITE SUPPLY OF RENEWABLE ENERGY	
<input type="checkbox"/> e. C406.6 DEDICATED OUTDOOR AIR SYSTEM	
<input type="checkbox"/> f. C406.7 REDUCED ENERGY USE IN SERVICE WATER HEATING	
EQUIPMENT SCHEDULES WITH MOTORS (NOT USED FOR MECHANICAL SYSTEMS)	
MOTOR HORSEPOWER	N/A
NUMBER OF PHASES	N/A
MINIMUM EFFICIENCY	N/A
MOTOR TYPE	N/A
NUMBER OF POLES	N/A

This drawing is the property of ROBERT JOHNSON ARCHITECTS, INC. and is not to be reproduced or copied in whole or in part. It is to be used for the project and is not to be used on any other project. It is to be returned upon request.