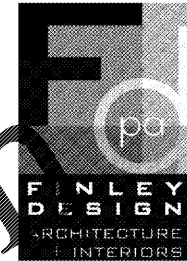


LIGHTING FIXTURE SCHEDULE NOTES:

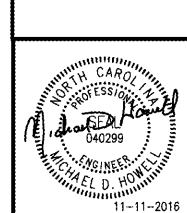
- LAMPS ARE BASED ON OSRAM/SYLVAANIA UNLESS OTHERWISE NOTED. ALL FLUORESCENT LAMPS SHALL BE 3500K AS SPECIFIED. ALL FLUORESCENT BALLASTS SHALL BE ELECTRONIC AS SPECIFIED. SUBMITTAL SHEETS SHALL BE SUBMITTED WITH FIXTURE SUBMITTALS. FLUORESCENT LAMP AND BALLAST WARRANTY SHALL BE COMPLETED BY CONTRACTOR AND TURNED OVER TO OWNER AT END OF PROJECT.
- LED DRIVERS SHALL BE PROVIDED FROM PER MANUFACTURER RECOMMENDATION. AS PART OF THIS RECOMMENDATION COORDINATE THE REQUIRED WAVE OUTPUT SO THEY ARE COMPATIBLE. THIS INCLUDES EMERGENCY DRIVERS.
- ALL INCANDESCENT LIGHT FIXTURES SHALL HAVE A U.L. LABEL INDICATING THAT THE LAMP WATTAGE SPECIFIED ABOVE IS THE MAXIMUM ALLOWABLE IN FIXTURE.
- ALL 3 AND 4 LAMP ELECTRONIC BALLASTS SHALL HAVE INBOARD/OUTBOARD SWITCHING AS INDICATED ON THE DRAWINGS. TANDEM FIXTURES ARE ALLOWED TO FACILITATE INBOARD/OUTBOARD SWITCHING.
- SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT FIXTURE LOCATIONS.
- ALIGN ALL HORIZONTAL FLUORESCENT DOWNLIGHTS SO THAT THE COMPACT FLUORESCENT LAMPS ARE ALIGNED IN THE SAME DIRECTION.
- FIXTURES SHALL BE FIRE RATED.
- ALL METAL HALIDE LAMPS SHALL HAVE A CRI OF NOT LESS THAN 70.
- ALL ELECTRONIC BALLASTS FOR TS (5/8" DIAMETER) LAMPS AND BELOW SHALL HAVE END OF LIFE SHUTDOWN PROTECTION.
- PROVIDE LOW-TEMP (0 degrees F MINIMUM) BALLAST(S)/DRIVER(S) FOR ALL FIXTURES INSTALLED IN EXTERIOR LOCATIONS OR OTHER AREAS SUBJECT TO COLD WEATHER.
- SUSPEND ALL FOUR CORNERS WITH WIRE TO STRUCTURE. DO NOT ALLOW GRID ALONE TO SUPPORT FIXTURE.
- FLUORESCENT FIXTURES WITH EMERGENCY BATTERY PACKS SHALL BE SUPPLIED WITH 1100 LUMEN INVERTERS.
- MODULAR WIRING ("NEC/CS") SYSTEMS ARE AN ACCEPTABLE WIRING METHOD FOR LIGHTING CIRCUITS.
- DIMMING OF FLUORESCENT FIXTURES SHALL BE WITH A SWITCH AS RECOMMENDED BY THE BALLAST MANUFACTURER.
- FLUORESCENT LUMINAIRES THAT UTILIZE DOUBLE ENDED LAMPS AND CONTAIN BALLAST(S) THAT CAN BE SERVICED IN A PLACE SHALL HAVE A DISCONNECTING MEANS EITHER INTERNAL OR EXTERNAL TO EACH LUMINAIRE PER NEC 410.130.G
- ALL METAL HALIDE LAMPS AND BALLASTS SHALL MEET OR EXCEED THE ENERGY INDEPENDENCE AND SECURITY ACT 2007 (EISA) REQUIREMENTS.
- THE CONTRACTOR SHALL VERIFY THE LEAD TIME OF ALL PRODUCTS SPECIFIED IN THIS SCHEDULE AT THE TIME OF PACKAGE QUOTE.
- DURING THE BID PROCESS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DELIVERY/SCHEDULING ISSUES.
- NO SUBSTITUTIONS WILL BE ALLOWED DUE TO LACK OF COORDINATION OF DELIVERY DATES AND CONSTRUCTION SCHEDULE AFTER BID.
- ALL EXPEDITED EXPENSES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- FIXTURES TO BE INSTALLED IN CEILINGS, INDICATED ON ARCHITECTURAL PLANS AS HAVING INSULATION IN CONTACT WITH CEILING SURFACE, SHALL BE IC RATED BY MANUFACTURER.
- BALLAST BY ADVANCE, GE OR UNIVERSAL TRIAD ARE ACCEPTABLE FOR SUBMISSION PROVIDED THEY MEET INTENDED CRITERIA AS LISTED IN THIS SCHEDULE.
- NOT USED.
- PROVIDE 90 MINUTE EMERGENCY BATTERY BACK UP. EMERGENCY BACK UP SHALL BE BASED ON TYPE OF FIXTURE, LED DRIVER, BALLAST, ETC. EMERGENCY BACKUP SHALL BE DUAL INPUT FOR BOTH SWITCHING AND CHARGING. PROVIDE UNSWITCHED "HOT" FROM LOCAL CIRCUIT UNLESS OTHERWISE INDICATED ON PLANS. PROVIDE WITH INDICATOR LIGHT - INSTALL LED INDICATOR ON LIGHT FIXTURE UNLESS DECORATIVE. DECORATIVE FIXTURES SHALL HAVE INDICATOR PLACED AT LOCAL CEILING. BODINE, PHILIPS, POWER ENTRY OR EQUAL.
- PROVIDE EMERGENCY RELAY BASED ON MINIMUM 60/200 OR EQUAL. INDIVIDUAL FIXTURES MAY UTILIZE STD (NON 20A-1) SEE PLANS FOR INTENT. PROVIDE EMERGENCY GENERATOR/INVERTER CIRCUIT AND SWITCH LEG NORMAL CIRCUIT. SEE DETAIL.
- POLES PROVIDED FOR LED FIXTURES SHALL BE METAL, REGARDLESS OF SPECIFICATION FOR GROUNDING PURPOSES.
- PROVIDE INTEGRAL SURGE PROTECTION ON ALL EXTERIOR LED DRIVER FIXTURE TYPES.
- LED DRIVERS LOCATED IN UNCONDITIONED SPACES SHALL BE RATED FOR 90 DEGREES F.

LIGHT FIXTURE SCHEDULE									
TYPE	DESCRIPTION	LAMP	# OF LAMPS	TOTAL FIXTURE WATTAGE	BALLAST/DRIVER	VOLTAGE	MANUFACTURER	MODEL	REMARKS
A	2'X4' LED RECESSED FIXTURE	LED	LED	41W	INTEGRAL LED DRIVER	277V	FINEUTE	HPR-LED-A-2X4-DCO-5-8-40-277V-5C	COORDINATE CEILING TYPE WITH ARCHITECT. 3500K
AE	SAME AS FIXTURE "A" WITH EMERGENCY BATTERY BACKUP								PROVIDE WITH 1700 LUMEN EMERGENCY BATTERY OPTION; BODINE BSL722
B	2'X2' LED RECESSED TROFFER	LED	LED	36W	INTEGRAL DIMMING LED DRIVER	0VOLT	LITHONIA	26TL-2-3XL-421-UP835	0V DIMMING 3500K
BE	SAME AS FIXTURE "B" WITH EMERGENCY BATTERY BACKUP								PROVIDE WITH 1400 LUMEN EMERGENCY BATTERY OPTION; EL14
C	SQUARE BASKET SURFACE MOUNT FIXTURE	FLUORESCENT	2	64W	ELECTRONIC	0VOLT	LITHONIA	SB232 0VOLT	
CE	SAME AS FIXTURE "C" WITH EMERGENCY BATTERY BACKUP								PROVIDE WITH 1400 LUMEN EMERGENCY BATTERY OPTION; EL14
D	RECESSED ARCHITECTURAL DOWNLIGHT - 8 LED	LED	LED	136W	24Vdc LED DRIVER	24Vdc	ZANEEN	# ATR.037.33.US	PROVIDE WITH 120V-24Vdc POWER SUPPLY.
E	RECESSED ARCHITECTURAL DOWNLIGHT - 4 LED	LED	LED	7W	24Vdc LED DRIVER	24Vdc	ZANEEN	# ATR.007.33.US	PROVIDE WITH 120V-24Vdc POWER SUPPLY.
F	RECESSED LED DOWNLIGHT	LED	LED	30W	LED DRIVER	120V	ZANEEN	DIXT RA11 #L5602J21	
G	RECESSED LED DOWNLIGHT	LED	LED	9.5W	LED DRIVER	120V	ZANEEN	DIXT RAR #L5600921	
H	LED BALLARD	LED	LED	24W	LED DRIVER	120V	ZANEEN		
I	ARCHITECTURAL PENDANT	LED	LED			120V/277V			ARCHITECT TO SELECT. ALLOW \$500 ALLOWANCE.
J	OUTDOOR LED WALL MOUNTED DIRECT/INDIRECT 50 DEGREE UP/DOWN	LED	LED	40W	INTEGRAL LED DRIVER	120V	ZANEEN	#L9W35206	UL LISTED FOR WET LOCATION
K	OUTDOOR LED WALL MOUNTED DIRECT/INDIRECT 30 DEGREE UP/50 DEGREE DOWN	LED	LED	40W	INTEGRAL LED DRIVER	120V	ZANEEN	#L9W51306	UL LISTED FOR WET LOCATION
L	OUTDOOR LED UPLIGHT	LED	LED	36W	INTEGRAL LED DRIVER	120V	ZANEEN	#L9W17806	UL LISTED FOR WET LOCATION
M	4FT RECESSED LED LINEAR FIXTURE	LED	LED	30W	INTEGRAL LED DIMMING DRIVER	277V	ZANEEN	#L3D-REC-SYS-DR-OP-4FT-277V-L306-512	VERIFY EXACT LENGTH WITH ARCHITECT PRIOR TO PURCHASING. ARCHITECT TO SELECT FINISH.
O	ARCHITECTURAL LED PENDANT	LED	LED			120V/277V			ARCHITECT TO SELECT. ALLOW \$500 ALLOWANCE.
P	VANDAL RESISTANT LED SURFACE MOUNT	LED	LED	64W	INTEGRAL LED DRIVER	0VOLT	LITHONIA	VAP-6000LM-FST-MD-0VOLT-GZ10-40K-80CRI	
PE	SAME AS FIXTURE "P" WITH EMERGENCY BATTERY BACKUP								PROVIDE WITH BATTERY BACKUP OPTION; BODINE BSL722
Q	RECESSED WALL MOUNT	LED	LED	1W	REMOTE LED DRIVER (SOLD SEPARATELY)	120V	ZANEEN	L36708	3000K
EXL	LED EXIT SIGN	LED	LED	1W	INTEGRAL LED DRIVER	UNIV	LITHONIA DUAL LITE JUNO COOPER PHILIPS	ERP 1 RMR/RC 120/277 EL-N EL-R NE NAVILLITE SURE-LITES CHLORIDE	NICKEL CADMIUM BATTERY EXIT SIGN; SEE PLANS FOR FACE STYLE AND QTY 90 MINUTE OPERATION; RED TEST SWITCH PROVIDED
EXC	LED EXIT SIGN/EGRESS LIGHT COMBINATION	LED	LED	3.8	INTEGRAL LED DRIVER	120/277V	LITHONIA	ECG-LED-M6	
EM61	INTERIOR EMERGENCY BATTERY EGRESS LIGHT	LED	LED	2W	INTEGRAL LED DRIVER	UNIV	LITHONIA HUBBELL JUNO ISOLUTE PHILIPS	ELM2 LED DUAL LITE L2 SERIES NAVILLITE N2L PLE LED CHLORIDE VJBL	TEST SWITCH PROVIDED SEALED 90 MINUTE BATTERY 20" (ON CENTER) X 6" W DESIGN PATH

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**WESTPOINT 2
DURHAM, NC**

REVISIONS

NO.	DATE	DESCRIPTION

PROJECT: 1342
DATE: 11/1/16
DRAWN BY: ASA
CHECKED BY: MDH

light fixture schedule
E0.9
9 OF 24