



SAMPSON  
COUNTY  
911 & ES  
FACILITIES

CLINTON,  
NORTH CAROLINA

CONSTRUCTION  
DOCUMENTS

LIGHT FIXTURE  
SCHEDULE

DATE	12.04.2020	
PROJECT NO	20003	
REVISIONS		
NUM.	DATE	DESCRIPTION:

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SEAL

SHEET NUMBER  
E801

LIGHT FIXTURE SCHEDULE										
TYPE	DESCRIPTION	MINIMUM LUMENS	CCT	TOTAL FIXTURE WATTAGE	BALLAST/DRIVER	VOLTAGE	MANUFACTURER	MODEL	REMARKS	EXAMPLE
EX1BE 	CLEAR EDGE-UT EXIT SIGN, BATTERY	-	-	1W	INTEGRAL LED DRIVER	UNIV	SURE-LITES CHLORIDE LITHONIA BURNS-LITE MULE	ELIX ER44LDUL/2RX LRP L15HX CEL	NICKEL CADMIUM BATTERY EXIT SIGN; SEE PLANS FOR FACE STYLE AND QTY 90 MINUTE OPERATION TEST SWITCH PROVIDED UL LISTED FOR DAMP LOCATIONS	
OE04 	INTERIOR/EXTERIOR EMERGENCY EGRESS (LOW PROFILE)	-	-	17W	INTEGRAL LED DRIVER	UNIV	ISOLITE LIGHTALARMS DUAL-LITE MULE	DWL INF PG MERU	UL LISTED WET LOCATION LS CODE 101 COMPLIANT PROVIDE 90 MIN. REMOTE BATT.	
DL1	6" RECESSED DOWNLIGHT	1,000	35K	10W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	PORTFOLIO SPECTRUM EVO6 GOTHAM PRESCLUTE ELITE	LD88 RDF06KT EVO6 LTR-6RD HH6	MINIMUM 10% DIMMING PROVIDE IN WHITE FINISH PROVIDE EMERGENCY BATTERY PACK WHERE SHOWN ON PLANS.	
DL2	6" RECESSED DOWNLIGHT	2,000	35K	21W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	PORTFOLIO SPECTRUM GOTHAM PRESCLUTE ELITE	LD88 RDF06KT EVO6 LTR-6RD HH6	MINIMUM 10% DIMMING PROVIDE IN WHITE FINISH PROVIDE EMERGENCY BATTERY PACK WHERE SHOWN ON PLANS.	
DL5	6" LENSED RECESSED DOWNLIGHT (SHOWER)	700	35K	9W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	PORTFOLIO SPECTRUM GOTHAM PRESCLUTE ELITE	LD88 RDF06KT EVO6 LTR-6RD HH6	WET LOCATION LISTED DIFFUSED LENS PROVIDE IN WHITE FINISH PROVIDE EMERGENCY BATTERY PACK WHERE SHOWN ON PLANS.	
HBL1	LENSED HIGH BAY	24,000	35K	135W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	METALLUX AERIALUX LITHONIA COLUMBIA ORION	LH8 AE-LT-TR B6 PEL4 HBHC2-SERIES 2	MOUNTED WITH AIRCRAFT CABLE FOR SAFETY AND CONDUIT STEM, PROVIDE UNISTRUT BETWEEN STRUCTURAL BRACING ACRYLIC LENS WITH WIRE GUARD PROVIDE EMERGENCY BATTERY PACK WHERE SHOWN ON PLANS.	
HBL2	LENSED HIGH BAY (WET LOCATION)	18,000	35K	115W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	METALLUX DAY-BRITE LITHONIA COLUMBIA ORION	HBLED FBY IBE LUMV4 HBHC2	SURFACE MOUNTED POLYCARBONATE LENS GASKETED/WET LOCATION LISTED PROVIDE EMERGENCY BATTERY PACK WHERE SHOWN ON PLANS.	
IDLP1	LINEAR INDIRECT/DIRECT PENDENT - 48"	4,000	35K	35W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	SAYLITE FOCAL POINT MARK ARCHITECTURAL	CLLBF FSM2BS SZJD	ARCHITECT TO CHOOSE SUSPENSION LENGTH & FINISHES MIN. 400 LUMENS/FT UP & 600 DOWN 48" FIXTURE LENGTH PROVIDE EMERGENCY BATTERY PACK WHERE SHOWN ON PLANS.	
IDLP2	LINEAR INDIRECT/DIRECT PENDENT - 96"	8,000	35K	70W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	FOCAL POINT SAYLITE MARK ARCHITECTURAL	CLLBF FSM2BS SZJD	ARCHITECT TO CHOOSE SUSPENSION LENGTH & FINISHES MIN. 400 LUMENS/FT UP & 600 DOWN 96" FIXTURE LENGTH PROVIDE EMERGENCY BATTERY PACK WHERE SHOWN ON PLANS.	
IDLP3	LINEAR INDIRECT/DIRECT PENDENT	3,000	35K	40W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	LUMENWERK LUMARK FOCAL POINT PINNACLE VISIONEERING	REVP5B LSLED FINS EX12 ALRM	ARCHITECT TO CHOOSE SUSPENSION LENGTH & FINISHES UP/DOWN 40/60 PROVIDE EMERGENCY BATTERY PACK WHERE SHOWN ON PLANS.	
ODL1	OUTDOOR 6" RECESSED DOWNLIGHT	1,000	35K	12W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	PORTFOLIO SPECTRUM GOTHAM PRESCLUTE ELITE	LD88 RDF06KT EVO6 LTR-6RD HH6	MINIMUM 10% DIMMING VERIFY TRIM/FINISH WITH ARCHITECT DAMP LOCATION LISTED PROVIDE EMERGENCY BATTERY PACK WHERE SHOWN ON PLANS.	
OF11	GROUND MOUNTED FLOODLIGHT (FLAGPOLE)	2,000	40K	36W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	LUMARK HADCO HIDREL VISTA PROFESSIONAL ACDC	TCR5 B9-D TPS1 106Y PLAZA 35	UL LISTED WET LOCATIONS NATLOW SPOT DISTRIBUTION PROVIDE AIMING SNOOT KNUCKLE REFER TO FLOOD LIGHT DETAIL FOR ADDITIONAL INFORMATION.	
OF12	GROUND MOUNTED FLOODLIGHT (SIGNAGE)	2,000	40K	36W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	LUMARK HADCO HIDREL VISTA PROFESSIONAL ACDC	TCR5 B9-D TPS1 104SY PLAZA 35	UL LISTED WET LOCATIONS WIDE FLOOD DISTRIBUTION PROVIDE AIMING SNOOT KNUCKLE REFER TO FLOOD LIGHT DETAIL FOR ADDITIONAL INFORMATION.	
OPL1	LED POLE MOUNT AREA LIGHTING	13,000	40K	125W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	MCGRAW-EDISON US ARCHITECTURAL LITHONIA HUBBELL NLS LIGHTING	GLEON VLLLED-PIEDVSQM DSX1LED RAR2 NV-1-ASA	30' ROUND STEEL POLE MOUNTED ON 3" CONCRETE BASE VERIFY FINISH WITH ARCHITECT. TYPE 3 MEDIUM DISTRIBUTION	
OPL2	LED POLE MOUNT AREA LIGHTING (DUAL-HEAD)	19,000	40K	366W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	MCGRAW-EDISON US ARCHITECTURAL LITHONIA HUBBELL NLS LIGHTING	GLEON VLLLED-PIEDVSQM DSX1LED RAR2 NV-1-ASA	30' ROUND STEEL POLE MOUNTED ON 3" CONCRETE BASE VERIFY FINISH WITH ARCHITECT. TYPE 5 WIDE DISTRIBUTION	
OPL3	LED POLE MOUNT AREA LIGHTING	11,000	40K	102W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	MCGRAW-EDISON US ARCHITECTURAL LITHONIA HUBBELL NLS LIGHTING	GLEON VLLLED-PIEDVSQM DSX1LED RAR2 NV-1-ASA	30' ROUND STEEL POLE MOUNTED ON 3" CONCRETE BASE VERIFY FINISH WITH ARCHITECT. TYPE 3 SHORT DISTRIBUTION	
OWL1	WALL PACK AREA LIGHTING	7500	40K	73W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	MCGRAW-EDISON US ARCHITECTURAL LITHONIA HUBBELL NLS LIGHTING	APPROVED EQUAL APPROVED EQUAL DSXWLED APPROVED EQUAL APPROVED EQUAL	VERIFY FINISH AND MOUNTING HEIGHT WITH ARCHITECT. TYPE 4 MEDIUM DISTRIBUTION	
OWL2	WALL PACK TRAPEZOID	3,000	40K	30W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	MCGRAW-EDISON GARCO LITHONIA HUBBELL BROWNLEE	1ST 101L WST LED TRP1 703R-C49	COLOR CHOSEN BY ARCHITECT LS 101 EMERGENCY COMPLIANT (FORWARD THROW) PROVIDE EMERGENCY BATTERY PACK WHERE SHOWN ON PLANS.	
OWL3	UP/DOWN WALL SCONCE	2,000	40K	35W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	VISA ALW V2 CONTECH	OW2206 AQUA C4LU CY16340K	CONFIRM MODEL NUMBER, UPLIGHT AND DOWNLIGHT DISTRIBUTION, FINISHES, AND OPTIONS WITH ARCHITECT.	
STL1	4 FT. STRIP	5,000	35K	42W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	METALLUX DAY-BRITE LITHONIA COLUMBIA ELITE	SNLED F55 CLX LED LCL 4-OC1	PROVIDE CHAIN FOR PENDANT MOUNTING PROVIDE WIRE GUARD; LENSED PROVIDE EMERGENCY BATTERY PACK WHERE SHOWN ON PLANS.	
UC1	UNDERCABINET LIGHTING	300/FT	35K	5W/FT	INTEGRAL DRIVER	120	HALO RAYON LITHONIA ELITE	HUJ0 RUBBL UCEL EU-LED	COORDINATE EXACT LENGTHS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ORDERING.	
V2	2' VANITY LIGHT	1,000	30K	17W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	METALLUX DAY-BRITE LITHONIA COLUMBIA ELITE	APPROVED EQUAL APPROVED EQUAL FMVTL APPROVED EQUAL APPROVED EQUAL	MOUNT ABOVE MIRROR. VERIFY MOUNTING HEIGHT & FINISH WITH ARCHITECT	
VTL1	2X2' VOLUMETRIC TROFFER	3,000	35K	26W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	METALLUX DAY-BRITE LITHONIA COLUMBIA ELITE	22CZ2 2EVG 2VTL2 LCAT22 220VHPLED	PROVIDE EMERGENCY BATTERY PACK WHERE SHOWN ON PLANS.	
VTL2	2X2' VOLUMETRIC TROFFER	4,000	35K	33W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	METALLUX DAY-BRITE LITHONIA COLUMBIA ELITE	22CZ2 2EVG 2VTL2 LCAT22 220VHPLED	PROVIDE EMERGENCY BATTERY PACK WHERE SHOWN ON PLANS.	
VTL3	VOLUMETRIC LED TROFFER 0-10V DIMMING	3,000	35K	23W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	METALLUX DAY-BRITE LITHONIA COLUMBIA ELITE	24CZ2 2EVG 2VTL4 LCAT24 240VHPLED	PROVIDE EMERGENCY BATTERY PACK WHERE SHOWN ON PLANS.	
VTL4	VOLUMETRIC LED TROFFER 0-10V DIMMING	4,000	35K	31W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	METALLUX DAY-BRITE LITHONIA COLUMBIA ELITE	24CZ2 2EVG 2VTL4 LCAT24 240VHPLED	PROVIDE DRYWALL FLANGE KIT WHERE NEEDED. PROVIDE EMERGENCY BATTERY PACK WHERE SHOWN ON PLANS.	
VTL5	VOLUMETRIC LED TROFFER 0-10V DIMMING	4,800	35K	38W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	METALLUX DAY-BRITE LITHONIA COLUMBIA ELITE	24CZ2 2EVG 2VTL4 LCAT24 240VHPLED	PROVIDE EMERGENCY BATTERY PACK WHERE SHOWN ON PLANS.	
VTL6	VOLUMETRIC LED TROFFER 0-10V DIMMING	6,000	35K	48W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	METALLUX DAY-BRITE LITHONIA COLUMBIA ELITE	24CZ2 2EVG 2VTL4 LCAT24 240VHPLED	PROVIDE EMERGENCY BATTERY PACK WHERE SHOWN ON PLANS.	
WAL1	WET LOCATION LINEAR - 4'	2,500	40K	26W	INTEGRAL LED DRIVER (STANDARD 0-10V DIMMING)	UNIV	FOCAL POINT NEO-RAY PRUDENTIAL PEERLESS	FSMALWS APPROVED EQUAL APPROVED EQUAL APPROVED EQUAL	WET LOCATION LISTED FROSTED ACRYLIC LENS SURFACE MOUNT TO CANOPY FIXTURE PART OF ALTERNATE #4 PROVIDE EMERGENCY BATTERY PACK WHERE SHOWN ON PLANS.	
	SPACE									

LIGHTING SEQUENCE OF OPERATION

A COMPLETE AND OPERATIONAL LIGHTING CONTROL SYSTEM SHALL BE INSTALLED AS INTENDED ON THESE PLANS. IN THE EVENT THAT THE VERBIAGE IS IN CONFLICT OR CONTRADICTS THE REQUIREMENTS LISTED HERE, THE QUESTION SHALL BE ASKED PRIOR TO BIDDING OR THE MORE STRINGENT SHALL APPLY.

SYSTEM DESCRIPTION:  
LIGHTING CONTROLS ARE BASED ON INDEPENDENT OCCUPANCY / VACANCY SENSORS WITH SEPARATE LIGHTING CONTROL PANEL FOR SPECIALITY AREAS.

- OCCUPANCY SENSORS
- ALL OCCUPANCY SENSORS SHALL BE PROGRAMMED FOR AUTOMATIC ON (FULL LEVELS) AND AUTOMATIC OFF.
  - ALL VACANCY SENSORS SHALL BE PROGRAMMED FOR MANUAL ON (FULL LEVELS) AND AUTOMATIC OFF.
- SENSOR SETTINGS
- WALL SWITCH PASSIVE INFRARED: 2 MINUTES FOR INDIVIDUAL RESTROOMS AND STORAGE ROOMS.
  - MEETING/BOARD ROOM OCCUPANCY: 15 MINS.
  - DAY ROOM OCCUPANCY: 10 MINS.
  - WALL SWITCH OCCUPANCY SENSORS OFFICES: 5 MINS.
  - WALL SWITCH VACANCY SENSORS SLEEPING AREA: 15 MINS.

EXTERIOR LIGHTING CONTROL:  
A. EXTERIOR LIGHTING CONTROL IS VIA LIGHTING CONTROL PANEL "LCP1".  
B. MANUAL SWITCHING FOR LOCAL EXTERIOR LIGHTING AREAS.

EMERGENCY LIGHTING CONTROL:  
A. EXTERIOR LIGHTING CONTROL IS VIA LIGHTING CONTROL PANEL "LCP1".  
B. EXTERIOR EMERGENCY LIGHTING IS VIA BACKUP BATTERY PACK AT FIXTURE. UPON LOSS OF NORMAL POWER BATTERY PACK WILL ENGAGE ON THOSE FIXTURES WITH BACKUP BATTERY PACKS.  
C. WHERE NOTED (NL), LIGHTING IS VIA "NIGHTLIGHTS", NON-SWITCHED ALWAYS "HOT". ALSO, NL FIXTURES ARE CONNECTED TO AN EMERGENCY BATTERY PACK FOR EMERGENCY LIGHTING.

LIGHTING FIXTURE NOTES

- ALL DIODES SHALL BE 3500K AS SPECIFIED (EXTERIOR SHALL BE 4000K). ALL DRIVERS SHALL BE ELECTRONIC AS SPECIFIED. SUBMITTAL SHEETS SHALL BE SUBMITTED WITH FIXTURE SUBMITTALS. DRIVERS AND BOARD WARRANTY SHALL BE COMPLETED BY CONTRACTOR AND TURNED OVER TO OWNER AT END OF PROJECT.
- SUBSTITUTIONS APPROVED BY THE ENGINEER PREVIOUS TO BID ARE ACCEPTABLE AS LONG AS THEY ARE EQUAL TO THE FIXTURE SPECIFIED, UNLESS OTHERWISE NOTED. THIS INCLUDES LENS, COLORS, REFLECTORS, PHOTOMETRICS, HOUSING MATERIALS, FINISHES, ETC. ALL SUBSTITUTIONS SHALL BE SUBMITTED TO THE ENGINEER WITH CUT SHEETS FOR APPROVAL. SUBSTITUTE FIXTURES SHALL BE PRICED WITH THE SPECIFIED FIXTURE AND LISTED SEPARATELY SO THE ENGINEER AND OWNER CAN MAKE AN INFORMED DECISION.
- SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT FIXTURE LOCATIONS.
- FIXTURES SHALL BE FIRE RATED. SEE PLANS FOR MORE INFORMATION/LOCATIONS.
- PROVIDE LOW-TEMP (DOF MINIMUM) 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.
- MODULAR WIRING (PRELOC) SYSTEMS ARE AN ACCEPTABLE WIRING METHOD FOR LIGHTING CIRCUITS.
- 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.
- PROVIDE 90 MINUTE EMERGENCY BATTERY BACK UP. SEE PLANS FOR LOCATIONS. 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, PHILLIPS, POWER SENTRY OR EQUAL.
- VERIFY ALL FIXTURE FINISHES, TRIM, AND COLOR OPTIONS WITH ARCHITECT PRIOR TO ORDERING.