

LIGHT FIXTURE SCHEDULE												
TYPE	FIXTURE SPECIFICATIONS				LAMPING			ELECTRICAL			MOUNTING REMARKS	NOTES
	FIXTURE DESCRIPTION	MANUFACTURER	CAT. #	NO.	LAMP TYPE	TOTAL LUMENS	COLOR TEMP.	LOAD	VOLTS			
A	GENERAL PURPOSE 2'X4' TROFFER	LITHONIA	2TL4 30L RW A19 E21 LP835	1	LED	3000	3500 K	25	120 V	LAY-IN GRID RECESSED MOUNTED		
AE	TYPE A WITH BATTERY BACKUP	LITHONIA	2TL4 30L RW A19 E21 LP835 EL7L	1	LED	3000	3500 K	25	120 V	LAY-IN GRID RECESSED MOUNTED	1	
B4	2'X4' ARCHITECTURAL TROFFER	LITHONIA	2VTL4 40L ADPT E21 LP835	1	LED	4000	3500 K	39	120 V	LAY-IN GRID RECESSED MOUNTED		
B4E	TYPE B4 WITH BATTERY BACKUP	LITHONIA	2VTL4 40L ADPT E21 LP835 EL7L	1	LED	4000	3500 K	39	120 V	LAY-IN GRID RECESSED MOUNTED	1	
C	4' LINEAR DIRECT	FINELITE	HP4 R-4-B-8-35-K-F-120V-SC-FM-C3F	1	LED	1907	3500 K	28	120 V	RECESSED CEILING MOUNTED	5	
CE	TYPE C WITH BATTERY BACKUP	FINELITE	HP4 R-4-B-8-35-K-F-120V-SC-FM-C3F	1	LED	1907	3500 K	28	120 V	RECESSED CEILING MOUNTED	1, 5	
D	LED RECESSED 4' SQUARE DOWNLIGHT	WAC	SSO4-20-30-1-SDSQ4-WHF	1	LED	2300	3500 K	20	120 V	RECESSED CEILING MOUNTED		
D1	LED RECESSED 2' SQUARE DOWNLIGHT	CREE	2SG-830-N-1-WWH	1	LED	800	3500 K	20	120 V	RECESSED CEILING MOUNTED		
DE	TYPE D WITH BATTERY BACKUP	WAC	SSO4-20-30-1-BP-SDSQ4-WHF	1	LED	2300	3500 K	20	120 V	RECESSED CEILING MOUNTED	1	
F	2' LENSED STRIP LIGHT	JUNO	UPLLED22-NS-WH	1	LED	2300	3500 K	8	120 V	WALL MTD ABOVE DOOR, APPROX. 76" COORD. W/ARCH.		
L4	4' LINEAR LENSED STRIPLIGHT	LITHONIA	ZL2N L48 2000LM MDD MVOLT 40K 80CRI WH	1	LED	2000	4000 K	32	120 V	PENDANT MOUNTED		
L4A	4' LINEAR LENSED STRIPLIGHT	LITHONIA	ZL2N L48 2000LM MDD MVOLT 40K 80CRI WH	1	LED	2000	4000 K	32	120 V	SURFACE MOUNTED TO ATTIC STRUCTURE		
L4AE	TYPE L4A WITH BATTERY BACKUP	LITHONIA	ZL2N L48 2000LM MDD MVOLT 40K 80CRI WH	1	LED	2000	4000 K	32	120 V	SURFACE MOUNTED TO ATTIC STRUCTURE	1	
M	20" DECORATIVE DOWNLIGHT	SPECTRUM LIGHTING	WS2015LEDG37W35KDS101/CP13PM/BR	1	LED	3700	3500 K	37	120 V	PENDANT MOUNTED	4	
M1	12" DECORATIVE DOWNLIGHT	SPECTRUM LIGHTING	WS1210LEDG14W35KE1/FJ1/CP13PM/BR	1	LED	1460	3500 K	14	120 V	PENDANT MOUNTED		
ME	TYPE M EMERGENCY FIXTURE	SPECTRUM LIGHTING	WS2015LEDG26W35KE1/FJ2/CP13PM/BR	1	LED	2680	3500 K	26	120 V	PENDANT MOUNTED	2	
N	UPLIGHT/OVE LIGHT	GE	LPL-G18-1200-930	1	LED	300	3000 K	7	120 V	MOUNTED TO STRUCTURE		
S	OUTDOOR LINEAR UPLIGHT/WALLWASH	KIM LIGHTING	4348P70/32L4KUJ/B/L	1	LED	3000	4200 K	74	120 V	SURFACE MOUNTED ON STANCHION		
SC	EXTERIOR DECORATIVE WALL SCONCE	SPECTRUM LIGHTING	WS1210LEDG14W35KE1/FJ1WL/CP104PA24/MW	1	LED	1460	3500 K	14	120 V	WALL MOUNTED		
SCE	TYPE SC EMERGENCY FIXTURE	SPECTRUM LIGHTING	WS1210LEDG14W35KE1/FJ1WL/CP104PA24/MW	1	LED	1460	3500 K	14	120 V	WALL MOUNTED	2	
U	2' UNDERCABINET STRIP LIGHT	JUNO	UPLLED22-NS-WH	1	LED	454	3000 K	8	120 V	UNDER CABINET MOUNTED		
U1	1' UNDERCABINET STRIP LIGHT	JUNO	UPLLED14-NS-WH	1	LED	299	3000 K	6	120 V	UNDER CABINET MOUNTED		
V	12" VANITY DECORATIVE FIXTURE	SPECTRUM LIGHTING	WS1210LEDG14W35KE1/FJ1/CP104PA24/CH	1	LED	1460	3500 K	14	120 V	WALL MOUNTED, CENTERED OVER SINK AT EACH VANITY		
X1	SINGLE FACE EXIT SIGN	LITHONIA	LRP-W-1-RC-120/277-ELN	1	LED			4	120 V	CEILING/SURFACE MOUNTED	1, 3	
X2	DOUBLE FACE EXIT SIGN	LITHONIA	LRP-W-2-RMR-120/277-ELN	1	LED			4	120 V	CEILING/SURFACE MOUNTED	1, 3	
X3	SINGLE FACE EXIT SIGN	LITHONIA	WLTE-W-1-R-EL	1	LED			4	120 V	WALL MTD ABOVE DOOR, COORD. LOCATION W/ARCH		

- LIGHT FIXTURE SCHEDULE NOTES**
- REGARDLESS OF CATALOG NUMBER INDICATED, PROVIDE WITH AN INTEGRAL BATTERY BACKUP.
 - EMERGENCY FIXTURES OF THIS TYPE SHALL BE CONNECTED TO THE EMERGENCY LIGHTING INVERTER.
 - PROVIDE DIRECTIONAL CHEVRONS AS INDICATED ON PLANS.
 - PROVIDE FIXTURE WITH SPECTRUM LIGHTING SOLITE LENS DISC STANDOFF.
 - FIXTURES SHALL BE PENDANT MOUNTED AS A PART OF BID ALTERNATE #3.

LIGHTING CONTROL SCHEME SCHEDULE

CONTROL SCHEME	CONTROL TYPE DESCRIPTION
1	MANUAL ON/OFF BY WALL MOUNTED SWITCH.
2	MANUAL ON/OFF, SCENE SWITCHING WITH WALL MOUNTED SCENE SWITCH.
3	MANUAL ON WITH WALL MOUNTED SINGLE LEVEL VACANCY SENSOR.
4	MANUAL ON WITH CEILING MOUNTED VACANCY SENSOR(S) AND SINGLE WALL MOUNTED SWITCH.
5	MANUAL ON, DIMMING VIA WALL MOUNTED SWITCH, AND CEILING MOUNTED VACANCY SENSOR.
6	PHOTOSENSOR ON/OFF. PHOTOSENSOR SHALL BE WALL MOUNTED ON EXTERIOR WALL.
7	AUTO ON/OFF WITH OCCUPANCY SENSOR(S) AND MANUAL OVERRIDE BY WALL MOUNTED SWITCH.

LIGHTING CONTROL SCHEME SCHEDULE NOTES:

- CONTROL SCHEME NUMBERS MAY NOT BE SEQUENTIAL; NOT ALL NUMBERS MAY BE PRESENT.
- ROOM CONTROLLER BASIS OF DESIGN: WATT STOPPER LMR-210 OR EQUAL.
- WALL MOUNTED SWITCH BASIS OF DESIGN: WATT STOPPER LMSW-101 OR EQUAL.
- WALL MOUNTED DIMMER SWITCH BASIS OF DESIGN: WATT STOPPER LMDM-100 OR EQUAL.
- WALL MOUNTED DUAL LEVEL SWITCH BASIS OF DESIGN: WATT STOPPER LMSW-102 OR EQUAL.
- WALL MOUNTED SCENE SWITCH BASIS OF DESIGN: WATT STOPPER LMSW OR EQUAL, WITH NECESSARY NUMBER OF SCENE BUTTONS.
- WALL MOUNTED, SINGLE LEVEL VACANCY SENSOR BASIS OF DESIGN: WATT STOPPER LMDV OR EQUAL.
- WALL MOUNTED, DUAL LEVEL VACANCY SENSOR BASIS OF DESIGN: WATT STOPPER LMDV-102 OR EQUAL.
- CEILING MOUNTED VACANCY SENSOR BASIS OF DESIGN: WATT STOPPER LMC-100 OR EQUAL.
- WALL MOUNTED OCCUPANCY VACANCY SENSOR(S) (SWITCH) BASIS OF DESIGN: WATT STOPPER LMP-100 OR EQUAL.
- PHOTOSENSOR BASIS OF DESIGN: WATT STOPPER LPS-400 OR EQUAL.

LIGHT FIXTURE PLAN KEY

SHADING INDICATES EMERGENCY FIXTURE USED BY GENERATOR OR SUPPLIED WITH EMERGENCY BATTERY PACK

CE = UPPER CASE LETTER / LETTERS INDICATE FIXTURE TYPE
 NL or EL = LOWER CASE LETTER INDICATES SWITCH IDENTIFICATION
 A, 9 = INDICATE SWITCH IDENTIFICATION "NIGHT LIGHT" / "EMERGENCY"
 A, 9 = DESIGNATED PANEL NAME: CIRCUIT NUMBER

NOTE:
 ALL "EM" FIXTURES INDICATED IN PLAN CONTAIN EMERGENCY BALLASTS OR CONNECTION TO GENERATOR. ALL EMERGENCY BALLAST FIXTURES REQUIRE AN EXTRA CONSTANT POWER CONDUCTOR TO BE CONNECTED TO THE EMERGENCY BALLAST FOR CHARGING. CONDUCTOR MUST NOT BE CONTROLLED BY ANY LIGHTING SYSTEM OR HAVE POWER INTERRUPTED AT ANY TIME. "NL" FIXTURES SHALL HAVE ABSOLUTELY NO LIGHTING CONTROL & SHALL BE OPERATIONAL AT ALL TIMES.

IN BOTH CASES "EM" & "NL", WHERE UTILITY POWER SHOULD FAIL, FIXTURES SHALL REMAIN OPERATIONAL FOR A MINIMUM 90 MINUTES @ 1400 LUMENS WITH AT LEAST 2 LAMPS OPERATIONAL.

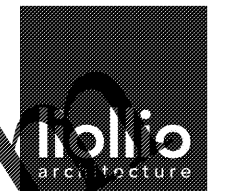
REFER TO DETAIL ON SHEET E003 FOR INVERTER DIAGRAM.

LIGHT CONTROL SCHEME

LIGHTING CONTROL SYMBOL CORRELATES WITH DESIRED CONTROL SCHEME AS INDICATED IN THE LIGHTING CONTROL SCHEME SCHEDULE

1	LIGHT FIXTURE PLAN KEY
E002	NOT TO SCALE

EQUIPMENT CONNECTION SCHEDULE						
UNIT I.D.	ELECTRICAL			BRANCH CIRCUIT WIRING	DISCONNECT / STARTER	NOTES
	VOLTS	# OF POLES	LOAD (VA)			
CONDENSING UNITS						
OACU-1	208 V	2	598	2#12, #12G IN 3/4"	NFDS 30/2/3R	
DUCTLESS MINI-SPLIT SYSTEMS						
AH-2	208 V	2	0	2#12, #12G IN 3/4"	POWERED BY OUTDOOR UNIT	
CU-2	208 V	2	1040	2#12, #12G IN 3/4"	NFDS 30/2/3R	
EXHAUST FANS						
EF-1	120 V	1	135	2#12, #12G IN 3/4"	TOGGLE SWITCH	
EF-2	120 V	1	47	2#12, #12G IN 3/4"	TOGGLE SWITCH	
EF-3	120 V	1	312	2#12, #12G IN 3/4"	TOGGLE SWITCH	
EF-4	120 V	1	312	2#12, #12G IN 3/4"	TOGGLE SWITCH	
OUTSIDE AIR UNITS						
OA-1	208 V	3	20160	3#4, #6G IN 1-1/4"	NFDS 100/3/1	
SPLIT SYSTEM AC UNITS						
AH-1 ELEC. HEAT	208 V	3	10000	3#6, #10G IN 1-1/4"	NFDS 60/3/1	
HP-1	208 V	3	10944	3#6, #10G IN 1-1/4"	NFDS 60/3/1	
SPLIT SYSTEM UNITS						
AH-1	208 V	3	11520	3#6, #10G IN 3/4"	NFDS 60/3/1	
VRV HEAT RECOVERY						
HP-2	208 V	3	15840	3#4, #6G IN 1-1/4"	NFDS 100/3/1	
VRV SYSTEM BRANCH SELECTORS						
BS-1	208 V	2	312	2#12, #12G IN 3/4"	NFDS 30/2/1	
VRV SYSTEM FAN COIL UNITS						
FCU-1	208 V	2	333	2#12, #12G IN 3/4"	MOTOR RATED SWITCH	
FCU-2	208 V	2	333	2#12, #12G IN 3/4"	MOTOR RATED SWITCH	
FCU-3	208 V	2	333	2#12, #12G IN 3/4"	MOTOR RATED SWITCH	
FCU-4	208 V	2	333	2#12, #12G IN 3/4"	MOTOR RATED SWITCH	
FCU-5	208 V	2	333	2#12, #12G IN 3/4"	MOTOR RATED SWITCH	
FCU-6	208 V	2	333	2#12, #12G IN 3/4"	MOTOR RATED SWITCH	
FCU-7	208 V	2	333	2#12, #12G IN 3/4"	MOTOR RATED SWITCH	
FCU-8	208 V	2	333	2#12, #12G IN 3/4"	MOTOR RATED SWITCH	
FCU-9	208 V	2	333	2#12, #12G IN 3/4"	MOTOR RATED SWITCH	
FCU-10	208 V	2	333	2#12, #12G IN 3/4"	MOTOR RATED SWITCH	
FCU-11	208 V	2	333	2#12, #12G IN 3/4"	MOTOR RATED SWITCH	
WATER HEATERS						
WH-1	208 V	2	4500	2#10, #10G IN 3/4"	NFDS 30/2/1	



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Revision Date	Description

Town of James Island
James Island Town Hall
 1122/1126 Dills Bluff Road
 Charleston, SC.

Project Number:	15169-00
Checked By:	DAW
Drawn By:	MCG
Date:	04/03/17
Scale:	12" = 1'-0"

E002
ELECTRICAL SCHEDULES & DETAILS

Order Plans