

PROJECT LOCATION

The Belle W. Baruch Foundation Hobcaw Barony Discovery Center 22 Hobcaw Road Georgetown, SC 29440 Tel: (843) 546-4623

ARCHITECTURAL

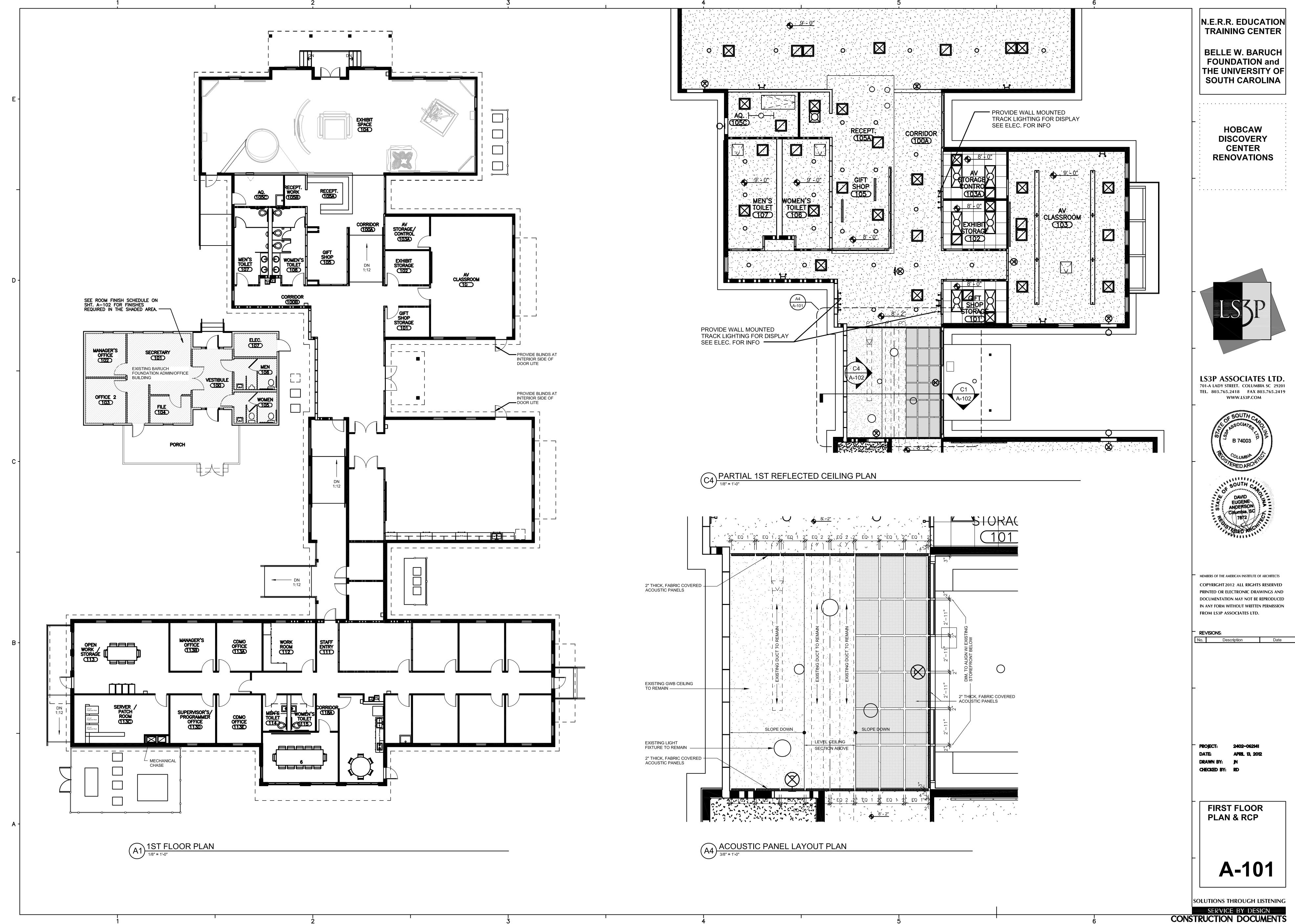
LS3P ASSOCIATES, LTD.
701-A Lady Street
Columbia, SC 29201
Tel: (803) 765-2418
PROJECT NO.: 2402-062141

ELECTRICAL

RMF Engineering 474 Wando Park Blvd., Suite 100 Mount Pleasant, SC 29464 Tel: (843) 577-4444

SHEET INDEX

A-101 FIRST FLOOR PLAN AND RCP
A-102 FINISH SCHEDULE & INTERIOR ELEVATIONS
E-000 ELECTRICAL LEGEND & ABBREVIATIONS
E-101 ELECTRICAL FIRST FLOOR PLAN
E-701 ELECTRICAL SPECIFICATIONS



EXISTING DUCT TO REMAIN 2" THICK FABRIC COVERED -ACOUSTIC PANELS - 2" THICK FABRIC COVERED ACOUSTIC PANELS ALIGN HORIZONTAL JOINT SPACE OF ACOUST. WALL PANELS WITH HORIZONTAL JOINT SPACE OF CEILING-MOUNTED ACOUST. PANELS — EXISTING DUCT TO REMAIN EXISTING LIGHT FIXTURES EQ 1 EQ 1 EQ 2 EQ 2 EQ 1

C1 ELEVATION-BUS DROP-OFF LOBBY

2" THICK FABRIC COVERED —— ACOUSTIC PANELS — 2" THICK FABRIC COVERED ACOUSTIC PANELS 2'-11" 2" 2'-11" 2" 2'-11" 2" DIMENSIONS TO ALIGN WE EXISTING STOREFRONT BELOW

C4 ELEVATION-BUS DROP-OFF LOBBY

	ROOM FINISH SCHEDULE										
	ROOM	CET THE	NOTES								
NO.	NA ME	MATERIAL	BASE	NORTH	SOUTH	EAST	WEST	CEILINGS	NOTES		
100	VESTIBULE	CPT1	RB1	PT2	PT2/PT1	PT1	PT1	EXISTING	1		
101	SECRETARY	CPT1	RB1	PT2	PT1	PT1	PT1	EXISITING	1,		
102	MANAGER'S OFFICE	CPT1	CPT1 RB1 PT2 PT1 PT1 PT1				PT1	EXISITING	1		
103	OFFICE 2	CPT1	PT1 RB1 PT1 PT2 PT1 PT1				PT1	EXISITING	1		
104	FILE	CPT1	RB1	PT1	PT2	PT1	PT1	EXISITING	1		
105	WOMEN	EXISTING	EXISTING	PT1	PT1	PT1	PT1	EXISITING	1		
106	MEN	EXISTING	EXISTING	PT2	PT2	PT2	PT2	EXISITING	1		
107	ELECTRICAL	EXISTING	EXISTING	PT1	PT1	PT1	PT1	EXISTING	1		

ROOM FINISH LEGEND:

CPT1 CARPET - Interface - Cubic Style #1380102500, Color # 6386, Horizontal

RB1 RUBBER BASE - Johnsonite Rubber, 4", #79 - Bone White

PT1 PAINT - Benjamin Moore, Color Woodmont Cream #204

PT2 PAINT - Benjamin Moore, Color Bali #702

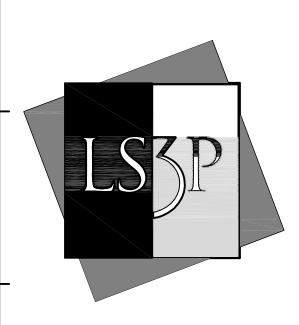
1. ALL CROWN MOLDING TO BE PAINTED - Benjamin Moore Color Chantilly Lace #OC-65 (gloss)

ROOM FINISH SCHEDULE FOR EXISTING BARUCH FOUNDATION ADMIN/OFFICE BUILDING
NOT APPLICABLE

N.E.R.R. EDUCATION **TRAINING CENTER**

BELLE W. BARUCH **FOUNDATION** and THE UNIVERSITY OF SOUTH CAROLINA

> **HOBCAW DISCOVERY** CENTER **RENOVATIONS**



LS3P ASSOCIATES LTD. 701-A LADY STREET. COLUMBIA SC 29201 TEL. 803.765.2418 FAX 803.765.2419 WWW.LS3P.COM





MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECTS COPYRIGHT 2012 ALL RIGHTS RESERVED PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM LS3P ASSOCIATES LTD.

REVISIONS: No. Description Date

CHECKED BY: RD

FINISH SCHEDULE & INTERIOR ELEVATIONS

SOLUTIONS THROUGH LISTENING

SERVICE BY DESIGN
CONSTRUCTION DOCUMENTS

SYMBOL	ELECTRICAL DIAGRAMS DESCRIPTIONS	SYMBOL	POWER SYMBOLS DESCRIPTIONS	MH (UON)	SYMBOL	LIGHTING SYMBOLS DESCRIPTIONS	MH (UON)
9 °E				. ,	<u>STWIDOL</u>		- , ,
N L E	AUTOMATIC TRANSFER DEVICE	<u>\$ Φ</u> <u>\$ Φ</u>	COMBINATION SWITCH AND SIMPLEX RECEPTACLE COMBINATION SWITCH AND DUPLEX RECEPTACLE	48" TOD 48" TOD	\$ &	SINGLE POLE TOGGLE SWITCH SWITCH — SUBLETTER INDICATES FIXTURES CONTROLLED	48" TOD 48" TOD
A	METERING DEVICES: A-AMMETER, V-VOLTMETER, PF-POWER FACTOR, HZ-FREQUENCY METER	⊖l ⊼ ıı	SIMPLEX RECEPTACLE	18" CTR	\$ a \$ 2	DOUBLE POLE TOGGLE SWITCH	48" TOD
DM	DIGITAL METER	E ⇔	DUPLEX RECEPTACLE. 'E' (IF SHOWN) INDICATES CONNECTED TO EMERGENCY CIRCUIT.	18" CTR	\$ ₃	THREE-WAY TOGGLE SWITCH (SPDT)	48" TOD
—— (50)	FUSE, FUSE SIZE AS INDICATED (50A)		DUPLEX RECEPTACLE, FLOOR MOUNTED		\$ ₄	FOUR-WAY TOGGLE SWITCH (DPDT)	48" TOD
—— II	GROUND CONNECTION	— ⊖ :	DUPLEX RECEPTACLE, SPLIT WIRED — TOP	18" CTR	\$ _K	KEY OPERATED SWITCH THREE WAY DIMMER SWITCH CONTROLLING FIXTURES	48" TOD 48" TOD
<u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u> </u>	TRANSFORMER (DELTA — RESISTANCE GROUNDED WYE SHOWN)	\(\rightarrow\)	HALF SWITCHED DUPLEX RECEPTACLE, CEILING MOUNTED		\$ 3aD	INDICATED WITH LOWERCASE a.	
<u></u>	CURRENT TRANSFORMER	=	PEDESTAL TYPE DUPLEX RECEPTACLE		\$ _M €	MANUAL STARTER WITH OVERLOADS SWITCH WITH PILOT LIGHT	48" TOD 48" TOD
F →⊱	POTENTIAL TRANSFORMER	A © H	SPECIAL RECEPTACLE: 20A, 2P, 3W, 208V NEMA 6-20R	18" CTR	\$ _P \$ _D	DIMMER SWITCH	48" TOD
LA	LIGHTNING ARRESTOR	в © Н	SPECIAL RECEPTACLE: 30A, 2P, 3W, 208V	18" CTR	\$ _{LV}	LOW VOLTAGE CONTROL SWITCH	48" TOD
$\neg F \sim$	MOTOR STARTER CONTACTOR AND THERMAL OVERLOAD	c ⊘ ∃	NEMA 6-30R SPECIAL RECEPTACLE: 20A, 3P, 4W, 208/120V	18" CTR	\$ _T	MANUAL TIME SWITCH	48" TOD
—K—	KIRK KEY INTERLOCK SYSTEM		NEMA 14-20		\$ _C	MOMENTARY CONTACT SWITCH OCCUPANCY SENSOR	48" TOD
TRIP FRAME	MOLDED CASE CIRCUIT BREAKER WITH RATINGS AS INDICATED	□ Ø - 1	SPECIAL RECEPTACLE: 30A, 3P, 4W, 208V NEMA 15-30	18" CTR	T	TIME CLOCK	
-	SWITCH	A (∑) A (∑)	SPECIAL RECEPTACLE, FLOOR MOUNTED, NEMA 6-20R PEDESTAL TYPE SPECIAL RECEPTACLE, NEMA 6-20R		R	RELAY	
← 52 →	DRAW OUT DEVICE DRAW OUT POWER CIRCUIT BREAKER		DOUBLE DUPLEX RECEPTACLE	18" CTR		LIGHTING CONTACTOR	
TIB	TEST TERMINAL BLOCK	#	RECEPTACLE MOUNTED 6" ABOVE BACK SPLASH		Р	PHOTOCELL OR PUSHPLATE SWITCH	
ТВ	WIRING TERMINAL BLOCK	GFI €	OR COUNTER GROUND FAULT INTERRUPTER TYPE RECEPTACLE	18" BOD		FLUORESCENT LIGHTING FIXTURE — RECESSED,	
Ø	INDICATOR OR PILOT LIGHT: R-RED, B-BLUE, W-WHITE, G-GREEN, A-AMBER	H ⇔	RECEPTACLE OUTLET MOUNTED HIGH	84" CTR	•	SURFACE, OR PENDANT MOUNTED, TYPE AS SPECIFIED	
CB 7	ENCLOSED CIRCUIT BREAKER	ıc 😝	ISOLATED GROUND RECEPTACLE	18" BOD	○○ ├ ○┤	FLUORESCENT LIGHTING FIXTURE — 2 BALLAST FLUORESCENT INDUSTRIAL LIGHTING FIXTURE	
EVNR-	COMBINATION MAGNETIC MOTOR STARTER. ABBREVIATION INDICATES TYPE: FVNR, FVR, RVAT, 2S1W, 2S2W, SST	€ 4	DUPLEX RECEPTACLE AT 54" AFF	54" CTR	<u> </u>	FLUORESCENT LIGHTING FIXTURE — WALL MOUNTED, TYPE AS SPECIFIED	
VFC 7	VARIABLE FREQUENCY CONTROLLER W/FUSED DISCONNECT	₽ € C €	DUPLEX RECEPTACLE FOR PAY PHONE DUPLEX RECEPTACLE FOR CART RECHARGE	54" CTR 36" CTR	0	LIGHTING FIXTURE - RECESSED, SURFACE, OR	
1	SWITCH	c ⊖	SIMPLEX RECEPTACLE FOR CART RECHARGE	36" CTR	О	PENDANT MOUNTED LIGHTING FIXTURE — WALL MOUNTED TYPE AS SPECIFIED	
VFC	VARIABLE FREQUENCY CONTROLLER	⇔ 1	TELEVISION RECEPTACLE	72" CTR	•	WALL WASHER	
l ∠	MOTOR — SINGLE WINDING UNLESS OTHERWISE NOTED:	н�І	TELEVISION RECEPTACLE	18" BFC	<0	ADJUSTABLE WALL WASHER	
2S2W 9	2S2W = 2 SPEED 2 WINDING 2S1W = 2 SPEED 1 WINDING	©I 1.00 2.00 I	CLOCK HANGER OUTLET	84" CTR	• •	LIGHTING FIXTURE ON EMERGENCY OR NIGHT LIGHT CIRCUIT	
! L	NUMERALS (IF SHOWN) INDICATE HP	'⇔ '↔ '	PROGRAM CLOCK OUTLET - SINGLE FACE, DOUBLE FACE	84" CTR	日	EMERGENCY BATTERY PACK WITH NUMBER OF HEADS INDICATED	
	CONDUCTORS NOT CONNECTED		EMERGENCY POWER OFF SWITCH JUNCTION BOX	48" TOD	B	EMERGENCY BATTERY PACK WITH REMOTE HEADS REMOTE EMERGENCY HEAD	
	CONDUCTORS CONNECTED	©	EQUIPMENT CONNECTION AS NOTED		∠	EMERGENCY BATTERY PACK - SEMI RECESSED,	
N.O.	NORMALLY OPEN	⊕ ₃	HEATER CONNECTION - NUMBER INDICATES KILOWATTS (3KW)		⊗	CEILING MOUNT EXIT SIGN — CEILING OR PENDANT MOUNTED (SHADED	
N.C. START	NORMALLY CLOSED	9	HEATER FAN — CEILING MOUNTED		© i ⊗i	PORTION INDICATES FACE) EXIT SIGN — WALL MOUNTED — END, BACK	
<u> </u>	NORMALLY OPEN MOMENTARY CONTACT PUSH BUTTON WITH NAMEPLATE AS INDICATED ON DIAGRAM		ENCLOSED CIRCUIT BREAKER NON-FUSED DISCONNECT SWITCH, 30A, 3P (UNLESS OTHERWISE NOTED)		<u>♥</u> . Ø.	EXIT SIGN WITH DIRECTIONAL ARROWS	
STOP	NORMALLY CLOSED MOMENTARY CONTACT PUSH BUTTON WITH NAMEPLATE AS INDICATED ON DIAGRAM	(40A)	OTHERWISE NOTED) FUSED DISCONNECT SWITCH — FUSE SIZE		□• □•□	POLE MOUNTED LIGHTING FIXTURE — SINGLE, DOUBLE HEAD	
EMERG. STOP	NORMALLY CLOSED MAINTAINED CONTACT PUSH BUTTON	_	AS INDICATED (40A)		¤	POLE MOUNTED LIGHTING FIXTURE— SINGLE, POLE TOP	
OFF. ON	WITH MUSHROOM BUTTON	MS PWR	MAGNETIC MOTOR STARTER COMBINATION MAGNETIC MOTOR STARTER. ABBREVIATION		/	LIGHTING POLE (SPORTS)	
OFF	TWO POSITION MAINTAINED CONTACT SELECTOR SWITCH WITH NAMEPLATE AS INDICATED ON DIAGRAMS	VFC □	INDICATES TYPE: FVNR, FVR, RVAT, 2S1W, 2S2W, SST VARIABLE FREQUENCY CONTROLLER W/FUSED				
LOCAL OFF REMOTE	TUDES DOCITION MAINTAINED CONTACT OF FOTOD CHITCH	<u> </u>	DISCONNECT SWITCH MOTOR — NUMERALS (IF SHOWN) INDICATE HP				
x00	THREE POSITION MAINTAINED CONTACT SELECTOR SWITCH WITH NAMEPLATE AS INDICATED ON THE CONTROL DIAGRAMS. X = CLOSED	Š	GENERATOR - NUMERALS (IF SHOWN) INDICATE KW				
00X <u>010</u>	O = OPEN	\$ _M	MANUAL MOTOR STARTER WITH THERMAL OVERLOADS				
۵	NORMALLY CLOSED PRESSURE SWITCH — OPENS ON RISING PRESSURE	CP PB	CONTROL PANEL — TYPE AS INDICATED MOMENTARY CONTACT START—STOP PUSH BUTTON				
Z &	NORMALLY OPEN PRESSURE SWITCH — CLOSES ON RISING PRESSURE	РВМ	STATION MAINTAINED CONTACT START—STOP PUSHBUTTON				
ş	NORMALLY CLOSED TEMPERATURE SWITCH — OPENS ON RISING TEMPERATURE	ES	STATION MAINTAINED CONTACT EMERGENCY STOP PUSHBUTTON				
\\ \\{\\	NORMALLY OPEN TEMPERATURE SWITCH — CLOSES ON RISING TEMPERATURE		STATION				
>	NORMALLY CLOSED FLOW SWITCH — OPENS ON RISING FLOW		PANELBOARD DISTRIBUTION PANELBOARD				
	NORMALLY OPEN FLOW SWITCH — CLOSES ON RISING FLOW	T	TRANSFORMER				
T	NORMALLY CLOSED LEVEL SWITCH — OPENS ON RISING LEVEL		RACEWAY "UP" OR "TOWARDS" RACEWAY "DOWN" OR "AWAY"				
\sim	NORMALLY OPEN LEVEL SWITCH — CLOSES ON RISING LEVEL		CIRCUIT CONCEALED IN WALLS OR CEILING SPACE. CONDUCTORS SHALL BE MINIMUM 2#12 AWG AND				
~ 0	NORMALLY CLOSED LIMIT SWITCH (HELD OPEN)		1#12 AWG GROUND IN 3/4" CONDUIT, (UNLESS OTHERWISE NOTED)				
O	NORMALLY CLOSED LIMIT SWITCH		RACEWAY CONCEALED IN SLAB OR BELOW GRADE.				
000	NORMALLY OPEN LIMIT SWITCH	The state of the s	BRANCH CIRCUIT HOMERUN TO PANELBOARD. QUANTITY OF CIRCUITS INDICATED BY ARROWS (**). NUMBER OF CONDUCTORS SHALL BE MINIMUM 4#12				
~	NORMALLY OPEN LIMIT SWITCH (HELD CLOSED)		AWG AND 1#12 AWG GROUND IN 3/4" CONDUIT, (UNLESS OTHERWISE NOTED)				
QR100	RELAY OR CONTACTOR COIL WITH TAG NUMBER AS SHOWN		RACEWAY RUN EXPOSED. CONDUCTORS SHALL BE MINIMUM 2#12 AWG AND 1#12 AWG IN 3/4"				
→	NORMALLY OPEN RELAY CONTACT		CONDUIT, (UNLËSS OTHERWISE NOTED)				
∘ \	NORMALLY CLOSED RELAY CONTACT	×	BUS DUCT OR CABLE TRAY UP OR TOWARDS				
○ □□ ′	ON-DELAY OR OFF-DELAY RELAY	~	BUS DUCT OR CABLE TRAY DOWN OR AWAY BUS DUCT, TYPE & SIZE AS INDICATED				
Υ	ON-DELAY RELAY NORMALLY CLOSED TIMED OPENING CONTACT	((TELEPHONE AND POWER POLE ASSEMBLY				
ightharpoons	ON-DELAY RELAY NORMALLY OPEN TIMED CLOSING CONTACT	W	CONCRETE ENCASED DUCTBANK BELOW GRADE SURFACE MOUNTED RACEWAY ASSEMBLY WITH				
${\mathbb T}$	OFF—DELAY NORMALLY CLOSED CONTACT (OPENS WHEN ENERGIZED, TIMED CLOSING AFTER DE—ENERGIZING)	·	REMOVABLE COVER				
·	OFF-DELAY NORMALLY OPEN CONTACT (OPENS WHEN		MULTI OUTLET ASSEMBLY — DARK SQUARES INDICATE PREWIRED RECEPTACLE LOCATIONS. SIZE AS INDICATED.				
~~ ~	ENERGIZED, TIMED OPENING AFTER DE-ENERGIZING)	<u> </u>	MULTI-OUTLET ASSEMBLY WITH RECEPTACLES LOCATED WHERE INDICATED				
	LATCHING RELAY L = LATCH COIL		2 CELL MULTI-OUTLET ASSEMBLY WITH COMMUNICATION DEVICES AND RECEPTACLES				
<u></u>	U = UNLATCH COIL	∇ ∇	LOCATED WHERE INDICATED MULTI-OUTLET ASSEMBLY WITH COMMUNICATION OUTLETS				
©	FIELD WIRING TERMINAL		LOCATED WHERE INDICATED				
	WIRING INSIDE ENCLOSURE FIELD WIRING	HHHH	FLEXIBLE CONDUIT CABLE TRAY				
 · 	FIELD WIRING	©	GROUND ROD				
		X GG	LIGHTNING PROTECTION AIR TERMINAL GROUND WIRE CONNECTION				
		—G—G—G—	GROUND WIRE				
		• —lı· Ø	LIGHTNING PROTECTION DOWN LEAD UTILITY POLE				

SPECIAL SYSTEMS SYMBOLS **DESCRIPTIONS** <u>MH (UON)</u> <u>SYMBOL</u> HORN TYPE SPEAKER GENERAL NOTE 5 FIRE ALARM FLASHING STROBE LIGHT — WALL MOUNTED GENERAL NOTE 5 GENERAL NOTE 5 FIRE ALARM HORN COMBINATION FIRE ALARM HORN AND FLASHING STROBE GENERAL NOTE 5 MAGNETIC DOOR HOLDER FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM CONTROL PANEL RESCUE ASSISTANCE MASTER CONTROL PANEL 48" TOD FIRE ALARM TRANSPONDER 48" TOD RESCUE ASSISTANCE REMOTE STATION DIGITAL ALARM COMMUNICATOR TRANSMITTER DOOR SOLENOID, ELECTRIC STRIKE — LOCKING DEVICE CONNECTION POINT FIRE ALARM PULL STATION 48" TOD HEAT DETECTOR SMOKE DETECTOR (PHOTOELECTRIC), AB INDICATES AUDIBLE BASE, E INDICATES ELEVATOR CONTROLS SMOKE DETECTOR (IONIZATION) DUCT SMOKE DETECTOR FIRE ALARM SYSTEM ADDRESSABLE RELAY — CONTROL FIRE ALARM SYSTEM ADDRESSABLE RELAY — MONITOR FIRE ALARM SYSTEM REMOTE ALARM LIGHT FLOW SWITCH CONNECTION TAMPER SWITCH CONNECTION FIRE ALARM LINEAR BEAM SMOKE DETECTOR TRANSMITTER & RECEIVER FIREMAN'S TELEPHONE JACK 48" TOD 36" CTR MONITOR SYSTEM JB CEILING SPEAKER, F — FIRE ALARM **AMPLIFIER** 48" TOD KEYPAD 48" TOD CARD READER DOOR ALARM CONTACT 18" CTR TELEPHONE OUTLET 48" TOD TELEPHONE OUTLET, WALL MOUNTED TELEPHONE OUTLET, FLOOR MOUNTED DATA/TELEPHONE OUTLET, UNSHADED AREA = DATA, SHADED AREA = VOICE, NUMERALS INDICATE QUANTITY 18" CTR OF WIRED JACKS DATA/TELEPHONE OUTLET, FLOOR MOUNTED, UNSHADED AREA = DATA, SHADED AREA = VOICE, NUMERALS INDICATE QUANTITY OF WIRED JACKS DATA OUTLET, FLOOR MOUNTED 48" TOD TELEPHONE OUTLET - EMERGENCY DATA OUTLET

ELECTRICAL DRAWING **PRESENTATION**

TELEVISION ANTENNA OUTLET

TELEVISION SYSTEM SPLITTER - 2 WAY, 4 WAY DATA/TELEPHONE OUTLET, CEILING MOUNTED ROUGH IN JUNCTION BOX FOR CCTV CAMERA

18" CTR

HOA

ΚV

HAND-OFF-AUTOMATIC

- HIGH PRESSURE SODIUM

HORSEPOWER

HIGH VOLTAGE

JUNCTION BOX

KILOVOLTS

ISOLATED GROUND

KCMIL - THOUSAND CIRCULAR MILS

KILOVOLT AMPERES

HEATER

HERTZ

DESCRIPTIONS <u>SYMBOL</u> REVISION NUMBER 2 DRAWING NOTE NUMBER 2 EQUIPMENT TAG NUMBER — REFER TO EQUIPMENT SCHEDULE SECTION/ELEVATION IDENTIFICATION PART PLAN AND DETAIL IDENTIFICATION EXISTING LINE TYPE NEW ELECTRICAL WORK LINE TYPE

EQUIPMENT DESIGNATIONS

DEMOLITION LINE TYPE ON DEMOLITION DRAWINGS

<u> </u>	11 181 - 14 1	DLO	HILL	IIOIY
DESIGNATION		DESCR	RIPTIONS	
SWGR		SWITCH	GEAR	
SWBD		SWITCHE	BOARD	
PNL		PANELBO	OARD	
MCC		MOTOR	CONTROL	CENTER
XFMR		TRANSFO	ORMER	

····· FUTURE ELECTRICAL WORK LINE TYPE

CIPCILIT DESIGNATIONS

CIRCUII	<u>DESIGNATION:</u>
<u>LIGHTING</u>	A # a
FIXTURE TYPE	
*CIRCUIT DESIGNATION —	
SWITCH DESIGNATION —	
<u>POWER</u>	# ∳

*CIRCUIT DESIGNATION ——— * SEE NOTES FOR PANEL DESIGNATIONS FOR EACH AREA.

A, AMP	_	AMPERE	KVAR	_	KILOVOLT AMPERES REACTIVE
AC	_	ALTERNATING CURRENT	KW	_	KILOWATTS
A/C		AIR CONDITIONING	KWH	_	KILOWATT HOUR
AFF		ABOVE FINISHED FLOOR	LA		LIGHTNING ARRESTOR
AFG		ABOVE FINAL GRADE	LC		LIGHTING CONTACTOR
AHU		AIR HANDLING UNIT	LTG		LIGHTING
AIC		AMPS INTERRUPTING CAPACITY	LTNG		LIGHTNING
ALT ANN		ALTERNATE ANNUNCIATOR	LP LRA		LIGHTING PANEL LOCKED ROTOR AMPERES
APPROX		APPROXIMATELY	MATV		MASTER ANTENNA TELEVISION
ARCH		ARCHITECT	MCB		MAIN CIRCUIT BREAKER
ATC		AUTOMATIC TEMPERATURE	MCC		MOTOR CONTROL CENTER
		CONTROL	MEH	_	METAL HALIDE
ATS	_	AUTOMATIC TRANSFER SWITCH	МН	_	MANHOLE, MOUNTING HEIGHT
AWG		AMERICAN WIRE GAUGE	MLO		MAIN LUGS ONLY
BAS		BUILDING AUTOMATION SYSTEM	MSP		MOTOR STARTER PANEL
BFC		BELOW FINISHED CEILING	MTD		MOUNTED
BFG		BELOW FINISHED GRADE	MV		MERCURY VAPOR
BLDG BOD		BUILDING BOTTOM OF DEVICE	NC NEC		NORMALLY CLOSED NATIONAL ELECTRICAL CODE
C, CND		CONDUIT	NFSS		NON-FUSED SAFETY SWITCH
CATV		CABLE TELEVISION	NO		NUMBER, NORMALLY OPEN
CB		CIRCUIT BREAKER	OC		ON CENTER
CCTV	_	CLOSED CIRCUIT TELEVISION	OFCI	_	OWNER FURNISHED
CKT	_	CIRCUIT			CONTRACTOR INSTALLED
CL	_	CURRENT LIMITING	OFOI	_	OWNER FURNISHED
CLG		CEILING	011		OWNER INSTALLED
CONN		CONNECT	OH Ø, PH		OVERHEAD PHASE
CPT CT		CONTROL POWER TRANSFORMER CURRENT TRANSFORMER	у, ги Р		POLE
CTR		CENTER	PB		PUSHBUTTON
CU,CO		COPPER	PF	_	POWER FACTOR
CX	_	CONNECT TO EXISTING	PFCC	_	POWER FACTOR CORRECTION
OC .		DIRECT CURRENT			CAPACITOR
		DISCONNECT	PL		PILOT LIGHT
NC		DOWN	PLC		PROGRAMMABLE LIGHTING CONTRO
)P		DISTRIBUTION PANEL DOUBLE POLE SINGLE THROW	PNL PP		PANEL POWER PANEL
		DOUBLE POLE SINGLE THROW			PAIR
OT OT		DOUBLE THROW	PT		POTENTIAL TRANSFORMER
		DRAWING			POLYVINYL CHLORIDE
		EMERGENCY	Рр		PUMP
ΞA		EACH	QTY	_	QUANTITY
EC	_	EMPTY CONDUIT	RCS	_	REMOTE CONTROL SWITCH
<u>F</u>		EXHAUST FAN	•		RECEPTACLE
		ELECTRIC HEATER			REQUIRED
		ELECTRIC			RADIO FREQUENCY INTERFERENCE
		ELEVATION FOR DEMAIN	RGS		RIGID GALVANIZED STEEL
ETR EX		EXISTING TO REMAIN EXISTING			RUNNING LOAD AMPERES ROOM
		EXPOSED			REDUCED VOLTAGE AUTO TRANSFORME
EWC		ELECTRIC WATER COOLER	RX		REMOVE EXISTING
 -R		FRAME	SC		SURGE CAPACITOR
-A		FIRE ALARM			SECONDARY
FAAP	_	FIRE ALARM ANNUNCIATOR PANEL	SN, S/N	_	SOLID NEUTRAL
FACP	_	FIRE ALARM CONTROL PANEL	SP	_	SURGE PROTECTION
FBO		FURNISHED BY OTHERS	SPDT		SINGLE POLE DOUBLE THROW
-C		FAN COIL	SS		SAFETY SWITCH
		FEEDER			SOLID STATE
FLA FLR		FULL LOAD AMPERES FLOOR	ST SW		SINGLE THROW SWITCH
		FUSED AND FUSIBLE			SWITCH
-U FUSS		FUSED SAFETY SWITCH			TO BE REMOVED
TVR		FULL VOLTAGE REVERSING			TIME CLOCK
VIN		FULL VOLTAGE NON-REVERSING			TELEPHONE
SEN		GENERATOR, GENERAL			TOP OF DEVICE
GFI		GROUND FAULT INTERRUPTER			TRANSFORMER
GFR .		GROUND FAULT RELAY			TUNGSTEN HALOGEN
GRD		GROUND	TTB		TELEPHONE TERMINAL BOARD
GRS		GALVANIZED RIGID STEEL HIGH INTENSITY DISCHARGE	TW TYP		TWISTED TYPICAL
HID					

UNDERGROUND

WATTS, WIRE

2S1W - 2 SPEED SINGLE WINDING

2S2W - 2 SPEED DOUBLE WINDING

UNLESS OTHERWISE NOTED

VFC — VARIABLE FREQUENCY CONTROLLER

UH – UNIT HEATER

WITH

WP – WEATHER-PROOF

XP - EXPLOSION PROOF

VOLTS

UON



N.E.R.R. EDUCATION

TRAINING CENTER

FOUNDATION AND

SOUTH CAROLINA

THE UNIVERSITY OF

BARUCH

HOBCAW

CENTER

DISCOVERY

RENOVATIONS

LS3P ASSOCIATES LTD.

227 WEST TRADE STREET SUITE 700

CHARLOTTE, NORTH CAROLINA 28202

TEL. 704.333.6686 FAX 704.333.2926

RMF ENGINEERING, INC.

194 SEVEN FARMS DRIVE, SUITE G

CHARLESTON, SC 29492

RMF PROJECT #:312022.A0

WWW.LS3P.COM

MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECT COPYRIGHT 2012 ALL RIGHTS RESERVED PRINTED OR ELECTRONIC DRAWINGS AND DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION FROM LS3P ASSOCIATES LTD.

REVISIONS:

No. Description Date

DRAWN BY: PAM

ELECTRICAL LEGEND AND ABBREVIATIONS

SOLUTIONS THROUGH LISTENING SERVICE BY DESIGN

CONSTRUCTION DOCUMENTS

NOT APPEAR ON THE ACCOMPANYING DRAWINGS. 2. REFER TO SPECIFICATIONS FOR DETAILED REQUIREMENTS. 3. PLAN & SECTION SYMBOLS MAY ALSO BE USED ON CHECKED BY: BAC

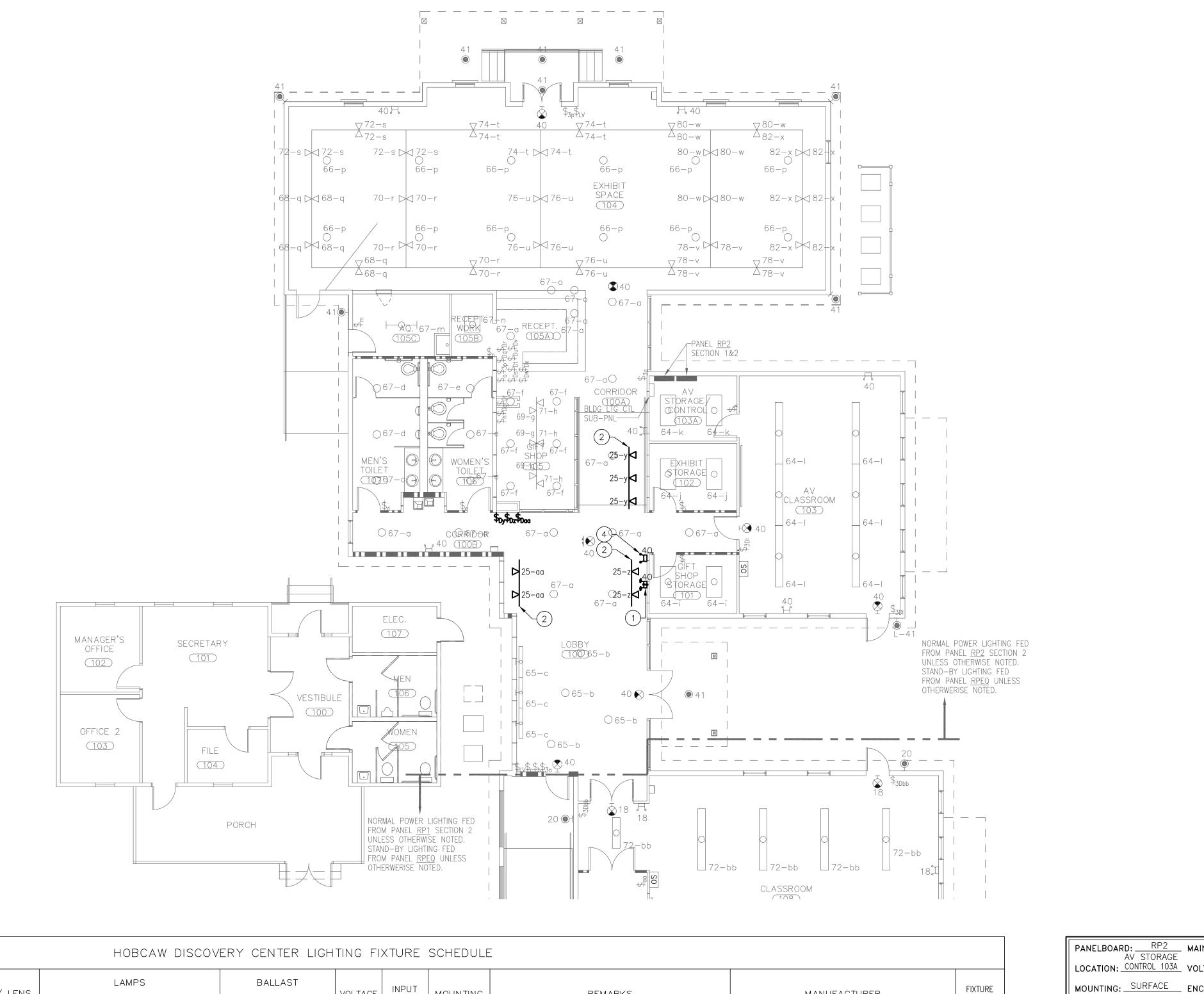
RISER DIAGRAMS. 4. ON SINGLE LINE DIAGRAMS FOR 3 PHASE SYSTEMS, DEVICE QUANTITY = 3 UNLESS OTHERWISE NOTED.

<u>GENERAL NOTES:</u>

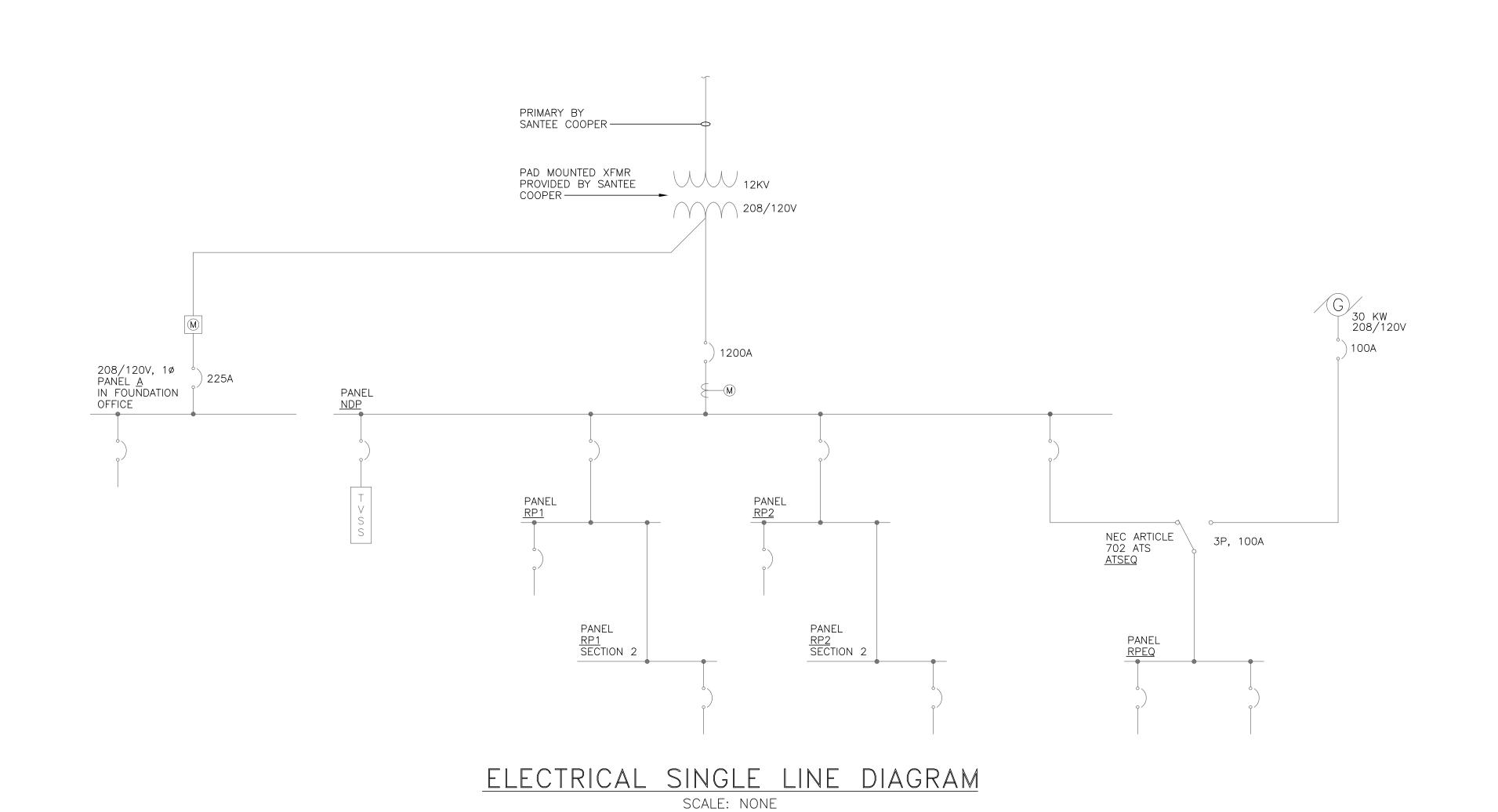
DEVICE SHALL BE MOUNTED A MINIMUM OF 80" AFF TO BOTTOM OF DEVICE LENS AND BELOW THE FINISHED CEILING OF NOT LESS THAN 6".

1. THIS IS A STANDARD SYMBOL LIST, SOME SYMBOLS MAY

6. UNLESS OTHERWISE NOTED ALL INTERIOR CONDUITS AND BOXES SHALL BE CONCEALED.



	HOBCAW DISCOVERY CENTER LIGHTING FIXTURE SCHEDULE													
FIXTURE TYPE	DESCRIPTION	LOUVER/ LE	NS TYPE	LAM	MPS QTY.	COLOR TEMP.	BALLAS ⁻ TYPE	QTY.	VOLT	AGE WATTA	T AGE MOUNTING	REMARKS	MANUFACTURER	FIXTURE TYPE
T1 TRACK LIGHTING I	FIXTURE	-	LED	17.8	1	3500°K	ELECTRONIC	1	120	17.8	TRACK	PROVIDE ALL HARDWARE AND CONNECTORS TO PROVIDE A COMPLETE TRACK SYSTEM. TRACK SHALL BE SURFACE MOUNTED INTI TO CEILING, 120V, ONE CIRCUIT TRACK.	ENSE LIGHTING #MB900-35-DIM-W-FL50	T1



DEMOLITION NOTES:

- 1. EXISTING CONDITIONS SUCH AS LIGHTING, RECEPTACLES, ETC. WERE OBTAINED FROM AVAILABLE RECORD DRAWINGS AND FIELD SURVEYS AND ARE NOT WARRANTED TO BE COMPLETE OR CORRECT. CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL ELECTRICAL ITEMS IN THE FIELD PRIOR TO THE START OF ANY WORK.
- 2. SHOULD THE CONTRACTOR ENCOUNTER ANY MAJOR ELECTRICAL ITEMS, I.E. PANELS, FEEDERS, JUNCTION BOXES ETC. WHICH ARE NOT ADDRESSED ON THE DRAWINGS, HE SHALL BRING THEM TO THE ATTENTION OF THE ENGINEER. THE ENGINEER WILL REVIEW THE ITEM IN QUESTION AND GIVE THE NECESSARY DIRECTION.
- 3. THE OWNER SHALL BE GIVEN A FIRST RIGHT OF REFUSAL FOR ALL ELECTRICAL EQUIPMENT WHICH IS TO BE REMOVED. ALL ELECTRICAL EQUIPMENT WHICH IS DESIRED BY THE OWNER SHALL BE STORED ON THE SITE WHERE DIRECTED BY THE OWNER. THE CONTRACTOR SHALL PROMPTLY DISPOSE OF ALL ELECTRICAL ITEMS WHICH ARE REMOVED AND THE OWNER DOES NOT WANT TO KEEP.
- 4. IN GENERAL, ALL EXISTING ELECTRICAL DEVICES, LIGHTING FIXTURES, PANELS, CONDUITS, WIRING, JUNCTION BOXES, ETC. SHALL BE REMOVED IN THEIR ENTIRETY. THESE ITEMS ARE INDICATED WITH HEAVY DASHED LINES. ITEMS THAT ARE EXISTING TO REMAIN ARE INDICATED WITH A LIGHT CONTINUOUS LINE.
- 5. ALL BRANCH CIRCUIT AND TELEPHONE WIRING WHICH MUST BE IN SERVICE AND WHICH IS DISCONNECTED AS A RESULT OF THE DEMOLITION WORK SHALL BE PROPERLY RECONNECTED.
- 6. EXISTING SMOKE DETECTORS AND DUCT SMOKE DETECTORS SHALL BE TEMPORARILY DISCONNECTED DURING DEMOLITION AND OTHER DUST PRODUCING ACTIVITIES. COORDINATE THE TEMPORARY DISCONNECTION WITH FACILITIES.
- 7. WHERE EXISTING DEVICES REMAIN IN WALLS WHICH RECEIVE A NEW FINISH, CONTRACTOR SHALL PROVIDE ALL NECESSARY OUTLET BOX EXTENSIONS, PLASTER RINGS, ETC. SO THAT DEVICES INSTALLED IN THE SAME MANNER AS EXISTING (I.E. FLUSH CONCEALED, ETC.).

DRAWING NOTES:

SERVES

<u>CU-4</u>

<u>CU-5</u>

TRACK LTG

SPARE

SPARE

SPARE

SPARE

SPARE

SPARE

SPARE

SPARE

- (1) EXISTING BATTERY PACK FIXTURE TO BE RELOCATED. EXTEND EXISTING CONDUIT AND WIRE TO NEW LOCATION SHOWN ON THIS DRAWING.
 - (2) TRACK LIGHTING FIXTURE TYPE T1 MOUNTED 2'-0" FROM WALL.
 - (3) ROUTE CIRCUIT THROUGH BUILDING LIGHTING CONTROL SUB PANEL LOCATED IN AV STORAGE CONTROL ROOM.
 - (4) NEW BATTERY PACK LOCATION.

2 35 **13** 14 50 2 <u>FCU-4</u>

2 | 20 | 17 | 18 | 30 | 2 | <u>FCU-5</u>

2 20 21 22 30 2 <u>FCU-5</u> - 23 24 - -

1 20 27 28 30 3 <u>WH-1</u>

1 20 31 32 20 1 SPARE

1 20 33 34 20 1 SPARE 1 20 **35** 36 20 1 SPARE

1 20 39 40 20 1 SPARE

1 20 41 42 20 1 SPARE

25.63 28.53 20.24

38 20 1 SPARE

|1 | 20 |25 | .12

1 20 37

										RMF ENGINEERING, INC. 194 SEVEN FARMS DRIVE, SUITE G CHARLESTON, SC 29492 RMF PROJECT #:312022.A0
										RMF ENGINEERING INC. CHARLESTON, SC C-00831
<u> </u>	vs: 400	A MCB		AMPS	:_	400	MIN AIC:	SERIES]	WHY CAROUS
DL.	TS: _20	8/120		PHAS	E:_	3	WIRES:	4		CON ESSIONAL N
	L NEM		1				PANELBOAR	RD		る。 No. 26365 点
	СВ	BUS BUS B C	S¢PN	СВ			SERVES			
	P TA		1	TA						As What have
+	2 45	1 - ////	2	60	2	FCU-1				CRU
-		3	4		_					
	2 20	5	6	30	2	FCU-2				
-		7	8							MEMBERS OF THE AMERICAN INSTITUTE OF ABOUTEST
	2 25	9	10	50	2	FCU-3				MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECT
1-		11	12					_		COPYRIGHT 2012 ALL RIGHTS RESERVED

GRAPHIC SCALE

SCALE: 1/8"=1'-0" UNIT OF MEASURE: FEET

PROJECT: DRAWN BY: PAM

CHECKED BY: BAC

PRINTED OR ELECTRONIC DRAWINGS AND

No. Description Date

FROM LS3P ASSOCIATES LTD.

REVISIONS:

DOCUMENTATION MAY NOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN PERMISSION

N.E.R.R. EDUCATION

TRAINING CENTER

FOUNDATION AND

SOUTH CAROLINA

THE UNIVERSITY OF

BARUCH

HOBCAW

CENTER

DISCOVERY

RENOVATIONS

LS3P ASSOCIATES LTD.

227 WEST TRADE STREET SUITE 700 CHARLOTTE, NORTH CAROLINA 28202 TEL. 704.333.6686 FAX 704.333.2926 WWW.LS3P.COM

ELECTRICAL FIRST FLOOR **PLAN**

E-101

SOLUTIONS THROUGH LISTENING

CONSTRUCTION DOCUMENTS

SERVICE BY DESIGN

260500 COMMON WORK RESULTS FOR ELECTRICAL

- 1. ALL WORK SHALL BE MANUFACTURED, TESTED AND INSTALLED IN ACCORDANCE WITH THE 2008 NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES. IN ADDITION, ALL WORK SHALL BE IN ACCORDANCE WITH AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM), AMERICAN WITH DISABILITIES ACT (ADA), 2009 INTERNATIONAL BUILDING CODE (IBC), ILLUMINATING ENGINEERING SOCIETY (IES), NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATES (NEMA), NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE) AND UNDERWRITERS LABORATORY, INC. (UL). THE CONTRACTOR SHALL FURNISH A FIRE UNDERWRITERS CERTIFICATE OF INSPECTION COVERING THE WORK INSTALLED UNDER THIS SPECIFICATION. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND CERTIFICATES.
- 2. THOROUGHLY EXAMINE THE ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS PRIOR TO COMMENCEMENT OF ANY WORK. COORDINATE WORK WITH ALL OTHER TRADES.
- 3. ALL ELECTRICAL EQUIPMENT SHALL BE NEW, OF FIRST QUALITY, AND SHALL BE FURNISHED, DELIVERED, ERECTED, CONNECTED, AND FINISHED IN EVERY DETAIL.
- 4. THE WORK INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING COMPLETE ITEMS OR SYSTEMS: A SYSTEM OF INTERIOR WIRING, LIGHTING FIXTURES, LAMPS AND CONNECTION TO EQUIPMENT PROVIDED UNDER OTHER SECTIONS OF THE
- 5. CONTRACTOR SHALL PROVIDE TEMPORARY LIGHTING AND POWER AS REQUIRED DURING CONSTRUCTION.
- 6. ALL MATERIALS REQUIRED FOR THE WORK SHALL BE NEW, OF FIRST QUALITY, AND SHALL BE FURNISHED, DELIVERED, ERECTED, CONNECTED AND FINISHED IN EVERY DETAIL, AND SHALL BE SO SELECTED AND ARRANGED AS TO FIT PROPERLY INTO BUILDING SPACES. WHERE NO SPECIFIC KIND OR QUALITY OF MATERIAL IS GIVEN, A FIRST-CLASS STANDARD ARTICLE AS APPROVED BY THE ENGINEER SHALL BE
- 7. THESE PLANS AND SPECIFICATIONS ARE INTENDED TO PROVIDE A BROAD OUTLINE OF THE WORK AND EQUIPMENT REQUIRED, BUT ARE NOT INTENDED TO INCLUDE ALL THE DETAILS OF CONSTRUCTION.
- 8. ALTHOUGH THE LOCATION OF EQUIPMENT MAY BE SHOWN ON THE ELECTRICAL PLANS IN A CERTAIN PLACE, THE CONSTRUCTION OF THE BUILDING, MAY DISCLOSE THE FACT THAT THE LOCATION FOR THIS ELECTRICAL WORK DOES NOT MAKE ITS POSITION EASILY AND QUICKLY ACCESSIBLE. IN SUCH CASES, THE CONTRACTOR SHALL CALL ATTENTION TO THIS FACT BEFORE INSTALLING HIS WORK FOR ACTION BY THE ARCHITECT AND SHALL BE GUIDED BY HIS WRITTEN INSTRUCTIONS.
- 9. IT SHALL BE NOTED THAT A REASONABLE SHIFTING IN LOCATION OF OUTLETS (BEFORE INSTALLATION) WILL BE EXPECTED AND THIS WORK SHALL BE DONE AT NO INCREASED COSTS TO THE OWNER. CONTRACTOR SHALL VERIFY DOOR SWINGS PRIOR TO ROUGHING-IN LIGHT SWITCHES.
- 10. THE CONTRACTOR SHALL VERIFY THE SERVICE REQUIREMENTS OF ALL PIECES OF EQUIPMENT BEFORE MAKING FINAL PROVISIONS. SHOP DRAWINGS SHALL BE AVAILABLE FOR CHECKING BEFORE INSTALLATION.
- 11. THE CONTRACTOR SHALL MAINTAIN A SET OF WHITE PRINTS THROUGHOUT THE WORK UPON WHICH HE SHALL CAREFULLY RECORD THE ACTUAL LOCATIONS INCLUDING DIMENSIONS TO LOCATE WHEN DIFFERENT FROM CONTRACT DRAWINGS, EACH PIECE OF ELECTRICAL EQUIPMENT, CONTROL DEVICES, SWITCHES, OUTLETS, WIRES, CABLES, CONDUITS, ETC. UPON COMPLETION OF THE WORK, HE SHALL DELIVER THIS SET OF PRINTS TO THE ARCHITECT. THE ARCHITECT RESERVES THE RIGHT TO WITHHOLD FINAL PAYMENTS UNTIL RECORD "AS-BUILT" DRAWINGS ARE RECEIVED.
- 12. PRIOR TO ACCEPTANCE OF THE FINISHED PROJECT THE CONTARCTOR SHALL PROVIDE TO THE ARCHITECT THREE (3) COPIES OF AN ELECTRICAL SYSTEMS MAINTENANCE MANUAL . EACH COPY SHALL BE BOUND IN A DURABLE, HARDBACK BINDER WITH DATA SHEETS INDIVIDUALLY PUNCHED OR PERFORATED AND ENTERED . DATA SHEETS SHALL BE GROUPED, AND SECTION DIVIDERS SHALL BE PROVIDED AT THE CONTRACTOR'S OPTION, THE MANUAL MAY CONTAIN HEAVY MANILA TIE-FLAP ENVELOPES, PUNCHED AND BOUND IN WITH DATA SHEETS INSERTED IN THE ENVELOPE TO IDENTIFY ITS CONTENTS. THE MANUAL SHALL HAVE AN IDENTIFYING LABEL ON THE FRONT COVER AND SHALL INCLUDE THE FOLLOWING.
 - ONE (1) ACCEPTED COPY OF THE MATERIALS LIST. ONE (1) ACCEPTED COPY OF EACH SHOP DRAWING. ONE (1) COMPLETE COPY OF EACH PANELBOARD DIRECTORY.
 - EACH DIRECTORY SHALL BE A SEPARATE SHEET. ONE (1) COPY OF EACH CIRCUIT BREAKER TIME-CURRENT CURVE. ONE (1) COPY OF EACH OPERATION DESCRIPTION.
- 13. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR INSPECTION FOR THE PROJECT. UPON COMPLETION OF THE WORK, A FINAL INSPECTION CERTIFICATE SHALL BE SUBMITTED TO THE ARCHITECT IN TRIPLICATE. THIS CERTIFICATE SHALL BE SUBMITTED PRIOR TO REQUEST FOR FINAL PAYMENT. THE CONTRACTOR SHALL PAY ALL FEES REQUIRED FOR INSPECTION.
- 14. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BID DATE TO EXAMINE THE CONDITIONS UNDER WHICH HIS WORK IS TO BE PERFORMED. NO EXTRAS SHALL BE ALLOWED FOR FAILURE TO NOTE EXISTING CONDITIONS.
- 15. USE NEMA TYPE 1 GENERAL PURPOSE ENCLOSURES FOR ALL INDOOR EQUIPMENT, NEMA 3R FOR OUTDOOR EQUIPMENT UNLESS OTHERWISE NOTED.
- 16. PROVIDE ENGRAVED PLASTIC PHENOLIC LAMINATED NAMEPLATES FOR EACH PANELBOARD, CONTROLLER AND DISCONNECT. ENGRAVED NAMEPLATES SHALL BE PROVIDED WITH 1/4" HIGH VERTICAL BLACK LETTERS ON A WHITE BACKGROUND. NAMEPLATES SHALL BE SECURED BY MEANS OF STAINLESS STEEL METAL SCREWS.
- 17. SUBMIT DRAWINGS AND DATA SHEETS OF THE FOLLOWING APPARATUS GIVING FULL INFORMATION AS TO DIMENSIONS, MATERIALS, FITNESS AND OTHER PERTINENT FACTS SPECIFIC TO THIS PROJECT. WHERE OPTIONAL EQUIPMENT, FUNCTIONS OR ITEMS ARE REQUIRED TO MEET THESE SPECIFICATION THEY SHALL BE SPECIFICALLY NOTED. OBTAIN APPROVAL BEFORE THE FOLLOWING APPARATUS INVOLVED IS ORDERED, BUILT, OR INSTALLED: WIRING DEVICES AND PLATES, AND LIGHTING FIXTURES.
- 18. COORDINATE THE WORK TO MINIMIZE PENETRATION OF WATERPROOF CONSTRUCTION, INCLUDING ROOFS, EXTERIOR WALLS, ETC. WHERE SUCH PENETRATIONS ARE NECESSARY PROVIDE ALL NECESSARY SLEEVES, SHIELDS, FLASHING, FITTINGS AND CAULKING TO MAKE PENETRATION ABSOLUTELY WATERTIGHT.
- 19. ALL CONDUITS PASSING THROUGH FIRE RATED, FIRE RESISTANT OR FIRE STOPPED WALLS, CEILINGS OR FLOORS SHALL BE SEALED WITH FOAM TYPE FIRE RESISTANT SEALANT.

SPECIFIED RESULTS.

- 1. CONTRACTOR SHALL PROVIDE TESTING FOR THE EQUIPMENT AND BRANCH CIRCUITS, AND SUCH OTHER TESTS AS ARE DESCRIBED IN OTHER SECTIONS OF THIS SPECIFICATION.
- 2. THE CONTRACTOR SHALL FURNISH ALL LABOR, SPECIALTIES, INSTRUMENTS, EQUIPMENT, ETC., REQUIRED FOR THE TESTS, AND SHALL PAY ANY OTHER EXPENSES INCURRED, INCLUDING NECESSARY CHANGES TO THE SYSTEMS AS REQUIRED TO PRODUCE THE
- 3. ALL TESTS SHALL BE CONDUCTED BEFORE ANY EQUIPMENT IS CONNECTED THAT WOULD BE SUBJECT TO DAMAGE FROM THE TEST.
- 4. THE CONTRACTOR SHALL NOTIFY ALL PARTIES WHOSE PRESENCE IS NECESSARY FOR THE TEST; AND IN ALL CASES, THE ARCHITECT SHALL BE NOTIFIED AT LEAST ONE (1) DAY PRIOR TO THE ACTUAL TEST.
- 5. RESULTS OF THE TESTS SHALL SHOW THAT THE FEEDERS, EQUIPMENT AND WIRING SHALL MEET THE REQUIREMENTS OF THIS SPECIFICATION. SHOULD ANY OF THE ABOVE TESTS INDICATE DEFECTS IN MATERIALS OR WORKMANSHIP, THE FAULTY INSTALLATION SHALL BE REPAIRED OR REPLACED AT ONCE AND THE NECESSARY PORTIONS OF THE TESTS RECONDUCTED TO THE APPROVAL OF THE ARCHITECT.
- 6. THE TESTS SHALL DEMONSTRATE TO THE SATISFACTION OF THE ENGINEER THE FOLLOWING:
- THAT ALL LIGHTING, POWER, AND CONTROL CIRCUITS ARE CONTINUOUS AND FREE OF SHORT CIRCUITS.
- THAT ALL CIRCUITS ARE FREE FROM UNSPECIFIED GROUNDS, AND GROUNDED WHERE
- THAT THE RESISTANCE TO GROUND ON ALL NON-GROUNDED CIRCUITS IS AT LEAST ONE (1) MEGOHM.
- THAT ALL CIRCUITS ARE PROPERLY CONNECTED IN ACCORDANCE WITH THE APPLICABLE WIRING DIAGRAMS.
- THAT ALL CIRCUITS ARE OPERABLE, WHICH DEMONSTRATION SHALL INCLUDE FUNCTIONING OF EACH CONTROL NOT LESS THAN TEN (10) TIMES AND CONTINUOUS OPERATION OF EACH LIGHTING AND POWER CIRCUIT FOR NOT LESS THAN 1/2 HOUR.

260519 LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND

- 1. ALL WIRING SHALL BE SINGLE CONDUCTOR ANNEALED COPPER WITH TYPE THHN/THWN. INSULATION UNLESS OTHERWISE NOTED OR HEREINAFTER SPECIFIED. WIRING SHALL BE RATED 600 VOLTS, AND SHALL COMPLY WITH FEDERAL SPECIFICATION J-C-30. BRANCH CIRCUIT WIRING, NO. 10 AND SMALLER, CONNECTED TO INTERIOR RECEPTACLES, LIGHTING FIXTURES, AND SWITCHES SHALL BE SOLID CONDUCTOR AND MAY BE TYPE THHN/THWN. ALL WIRING NO. 8 AWG AND LARGER SHALL BE STRANDED. WHERE ALLOWED BY THE LOCAL CODES METAL CLAD (M.C.) CABLE MAY BE UTILIZED WHERE SPECIFIED HEREINAFTER UNDER WIRING METHODS.
- 2. MINIMUM SIZE OF BRANCH CIRCUIT WIRING IS NO. 12 AWG. MINIMUM SIZE OF NORMAL BRANCH CIRCUIT WIRE IS NO. 10 AWG WHERE USED FOR 120 VOLT BRANCH CIRCUIT HOMERUNS SEVENTY-FIVE (75) FEET AND LONGER.
- 3. ALL PHASE CONDUCTORS SHALL BE FACTORY COLOR CODED TAPE OR COLOR CODED "SLIPPERS", APPLIED AT EACH SPLICE AND TERMINATION IN ACCORDANCE WITH THE FOLLOWING SCHEDULES:
- 208/120V. SYSTEMS PHASE - COLOR
- A BLACK B - RED C - BLUE
- N WHITE GRD — GREEN
- 4. GREEN COLORED INSULATED EQUIPMENT GROUND CONDUCTOR SHALL BE PROVIDED FOR ALL FEEDERS AND FOR ALL BRANCH CIRCUITS.
- 5. FOR WIRE IDENTIFICATION, USE BRADY "QUICK-LABELS" ON ALL CONDUCTORS AT THE TERMINATION OF THE RUN AND IN ALL OUTLETS. CODING SCHEME IS THE RESPONSIBILITY OF THE CONTRACTOR, BUT IS GENERALLY TO FOLLOW THE TERMINAL NUMBERING SCHEME OF THE PANELBOARD. ARRANGE THIS CODING SCHEME SO AS TO PROVIDE QUICK AND EASY IDENTIFICATION OF THE CONDUCTORS. IDENTIFY EACH FEEDER CONDUCTOR IN PULL AND JUNCTION BOXES WITH A STAMPED FIBRE TAG.
- 6. INSTALL ALL WIRING IN EMT RACEWAY, EXCEPT WHERE OTHERWISE SPECIFIED. M.C. CABLE MAY BE UTILIZED, WHERE ALLOWED BY THE LOCAL CODE, FOR BRANCH CIRCUIT WIRING ONLY.
- 7. RUN ALL GROUNDING CONDUCTORS IN RACEWAYS.
- 8. NO MORE THAN 3 PHASE WIRES IN ANY BRANCH CIRCUIT CONDUIT.

260526 GROUNDING AND BONDING FOR ELECTRICAL SYSTEM

1. THE LOW VOLTAGE DISTRIBUTION SYSTEM SHALL BE PROVIDED WITH A SEPARATE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR FOR EACH SINGLE OR THREE-PHASE FEEDER OR BRANCH CIRCUIT. THE REQUIRED GROUNDING CONDUCTOR SHALL BE INSTALLED IN THE COMMON RACEWAY WITH THE RELATED PHASE AND/OR NEUTRAL CONDUCTORS. WHEN THE RACEWAY FOR BRANCH CIRCUITS IS EMT OR METAL SURFACE RACEWAY, A GROUND WIRE SHALL BE INSTALLED IN THE RACEWAY. FLEXIBLE METALLIC CONDUIT EQUIPMENT CONNECTIONS UTILIZED IN CONJUNCTION WITH THE ABOVE SHALL BE PROVIDED WITH SUITABLE GREEN INSULATED GROUNDING CONDUCTORS CONNECTED TO APPROVED GROUNDING TERMINALS AT EACH END OF THE FLEXIBLE CONDUIT.

260533 RACEWAY AND BOXES FOR ELECTRICAL SYSTEMS

RACEWAYS:

RGS CONDUIT.

- 1. ALL RACEWAYS RUN IN CEILING OR WALL SPACE AND EXPOSED ON INTERIOR WALLS SHALL BE EMT. ALL CIRCUIT RACEWAYS SHALL BE CONCEALED WHERE POSSIBLE AND A MINIMUM SIZE OF 3/4" UNLESS OTHERWISE NOTED. ALL RACEWAYS RUN IN SLAB OR EXPOSED ON EXTERIOR WALLS SHALL BE RIGID STEEL OR IMC. ALL EMERGENCY POWER WIRING SHALL BE INSTALLED IN CONDUIT.
- 2. PROVIDE TRAPEZE TYPE CONDUIT HANGERS EVERY EIGHT (8) FEET FOR STRAIGHT RUNS AND WITHIN THREE (3) FEET OF EACH TERMINATION.
- 3. ELECTRICAL METALLIC TUBING SHALL BE AS MANUFACTURED BY ALLIED CONDUIT OR APPROVED EQUAL. ALL CONDUIT FITTINGS SHALL BE STEEL COMPRESSION FITTINGS.
- 4. RIGID GALVANIZED STEEL CONDUIT SHALL BE THREADED, GALVANIZED OR SHERARDIZED INSIDE AND OUT, AS MANUFACTURED BY ALLIED, TRIANGLE, WESTERN OR WHEATLAND. CONTRACTOR MAY USE INTERMEDIATE GRADE CONDUIT (IMC).
- 5. CONNECTIONS TO VIBRATING EQUIPMENT AND TO LIGHTING FIXTURES SHALL BE MADE WITH FLEXIBLE CONDUIT, GALVANIZED TYPE AS MANUFACTURED BY NATIONAL-FLEX STEEL OR APPROVED EQUAL.
- 6. CONNECTIONS TO EQUIPMENT OR MOTORS LOCATED OUTDOORS SHALL BE MADE WITH LIQUID TIGHT SEAL-TITE CONDUIT WITH COMPRESSION TYPE FITTINGS, AS MANUFACTURED BY CROUSE HIND SERIES LA.
- 7. CONDUIT IN DIRECT CONTACT WITH EARTH OR IN CORROSIVE ATMOSPHERE SHALL BE POLYVINYL CHLORIDE CONDUIT. POLYVINYL CHLORIDE CONDUIT SHALL BE SCHEDULE 40 AS MANUFACTURED BY CARLON OR APPROVED EQUAL.
- 8. MAINTAIN SIX (6) INCH MINIMUM CLEARANCE BETWEEN ALL RACEWAY AND PARALLEL RUNS OF WATER PIPES. 9. USE OZ/GEDNEY COMPANY TYPE B INSULATING BUSHINGS ON ALL RACEWAY FREE ENDS
- AND ENTERING PANELS, PULL BOXES, DISCONNECTS, ETC. 10. VERTICAL ELBOWS STUBBED OUT OF FLOORS OR EQUIPMENT PADS SHALL BE IMC OR

OUTLET BOXES:

- 1. AT ALL OUTLETS OF WHATEVER KIND, FOR ALL SYSTEMS, PROVIDE A SUITABLE BOX SPECIALLY DESIGNED TO RECEIVE THE TYPE OF FIXTURE OR DEVICE TO BE MOUNTED THEREON. PROVIDE FIXTURE OUTLET BOXES WITH SUITABLE FIXTURE SUPPORTS OF SIZE AND KIND REQUIRED FOR THE FIXTURE TO BE HUNG.
- 2. PROVIDE BOX COVERS TO FIT OUTLET BOX INSTALLED OF THE REQUIRED DEPTH SO THAT THE EDGE OF THE RING IS FLUSHED WITH THE FINISHED PLASTER, MASONRY, ACOUSTICAL MATERIAL, OR OTHER FINISH.
- 3. PROVIDE JUNCTION OR PULL BOXES WHERE EVER INDICATED OR WHERE REQUIRED TO FACILITATE WIRE PULLING OR CONNECTION. FABRICATE BOXES WITH TWELVE (12) GAUGE MINIMUM GALVANIZED STEEL AND EQUIP WITH SCREW COVER. SIZE BOX PER NEC. LABEL ALL CIRCUITS INSIDE BOX AND ON EXTERIOR OF COVER WITH ONE (1) INCH HIGH STENCILED LETTERS.
- 4. PROVIDE SINGLE GANG FS TYPE DEVICE BOX WITH WATERPROOF RECEPTACLE COVER. DEVICE BOX SHALL BE CAST COPPER FREE ALUMINUM WITH DIE CAST ALUMINUM COVERPLATE WITH SCREW SIMPLEX RECEPTACLE COVER. PROVIDE RUSSELLSTOLL TYPE FSWS-62 BOX.
- 5. PROVIDE CONDULET TYPE CAST DEVICE BOXES FOR ISOLATED EQUIPMENT IN THE KITCHEN AND AS OTHER WISE REQUIRED. PROVIDE KINDORF SUPPORTS AS REQUIRED BY CODE. CAST BOXES SHALL BE MADE OF FERALOY OR COPPER FREE ALUMINUM. CAST BOXES SHALL HAVE THREADED HUBS SUITABLE FOR 3/4" IMC OR RGS CONDUIT. CAST DEVICE BOXES SHALL BE CROUSE-HINDS CATALOG NO. FDD2, TWO GANG CATALOG NO. FDS222.
- PROVIDE FLOOR BOXES AS INDICATED ON DRAWINGS. PROVIDE AMERICAN ELECTRIC STEEL CITY BOX NO. 68-D OR APPROVED EQUAL. PROVIDE POLISHED BRASS COVERPLATE NO. P60-CACP FOR A FLUSH SERVICE.
- 7. BOXES INSTALLED FLUSH IN WALLS SHALL BE SUPPORTED RIGIDELY ON TWO (2) SIDES.

260548 VIBRATION AND SEISMIC CONTROLS FOR ELECTRICAL SYSTEMS

1. PROVIDE SEISMIC SUPPORTS AND ANCHORS FOR ELECTRICAL EQUIPMENT, AND SEISMIC BRACING FOR RACEWAY SYSTEMS IN COMPLIANCE WITH THE INTERNATIONAL BUILDING CODE 2009.

262726 WIRING DEVICES

DUPLEX AS INDICATED ON DRAWINGS.

LOCAL CODES, NEC, UL, NEMA, AND IEEE STANDARDS PERTAINING TO WIRING DEVICES. PROVIDE WIRING DEVICES WHICH ARE U.L. LISTED AND LABELED. PROVIDED DEVICE PLATES WHICH ARE U.L. LISTED 2. ALL WALL SWITCHES SHALL BE TOGGLE, QUIET TYPE, FULLY ENCLOSED IN

1. STANDARDS COMPLIANCE: COMPLY WITH REQUIREMENTS OF APPLICABLE

BY HUBBELL, PASS AND SEYMOUR, ARROW-HART, LEVITON OR APPROVAL 3. ALL RECEPTACLES SHALL BE 20 AMPERES, 120 VOLT, HEAVY DUTY, GROUNDING TYPE, BACK AND SIDE WIRED FULLY ENCLOSED IN COMPOSITION CASE AS MANUFACTURED BY HUBBELL, PASS AND SEYMOUR, ARROW-HART,

COMPOSITION CASE, 20 AMPERES 120/277 VOLT RATING AS MANUFACTURED

4. SWITCHES AND RECEPTACLES SHALL BE GRAY IN COLOR FOR 120 VOLT.

LEVITON OR APPROVED EQUAL. RECEPTACLES SHALL BE SINGLE OR

- 5. SWITCH AND RECEPTACLE COVER PLATES SHALL BE STAINLESS STEEL.
- 6. PROVIDE MULTI-GANG SWITCH COVERPLATES WHERE TWO (2) OR MORE SWITCHES OR RECEPTACLES ARE INDICATED ADJACENT ON THE DRAWINGS. WHERE DIMMER SWITCHES ARE SHOWN ADJACENT TO TOGGLE SWITCHES THEY SHALL HAVE SEPARATE COVERPLATES. WHERE TWO (2) OR MORE DIMMERS ARE INDICATED TOGETHER THEY SHALL HAVE A COMMON COVERPLATE. DIMMER COVERPLATES SHALL BE AS MANUFACTURED BY THE DIMMER MANUFACTURER TO MATCH THE STYLE OF DIMMERS.
- 7. PROVIDE MINIMUM #12 AWG GREEN INSULATED GROUND WIRE FROM DEVICE GROUND LUG TO DEVICE BOX GROUND LUG.

265100 INTERIOR LIGHTING

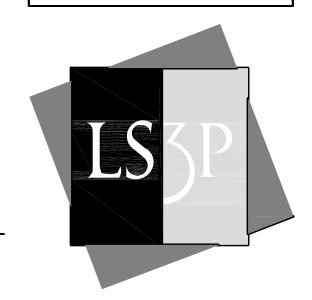
- 1. REGARDLESS OF CATALOG NUMBER IN LIGHTING FIXTURE SCHEDULE, EVERY FIXTURE SHALL BE OF THE TYPE FOR THE CEILING CONSTRUCTION IN WHICH IT IS TO BE INSTALLED AND MOUNTING CONDITIONS. IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE THIS WITH THE CEILING CONTRACTOR.
- 2. BEFORE ANY OF THE FIXTURES ARE FABRICATED, COMPLETE SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL. WHEN REQUESTED BY THE ARCHITECT COMPLETE SAMPLES OF ANY OR ALL FIXTURES SPECIFIED SHALL BE SUBMITTED.
- 3. UPON COMPLETION OF THE INSTALLATION, ALL LIGHTING FIXTURES SHALL BE CLEANED TO THE SATISFACTION OF THE ARCHITECT. SEE SCHEDULE OF FIXTURES ON THE DRAWINGS.
- 4. THE LIGHTING DESIGN WAS BASED ON THE LIGHTING FIXTURE TYPE AND MANUFACTURERS AS SPECIFIED. ONLY THOSE FIXTURES SPECIFIED ARE APPROVED FOR INSTALLATION. IF THE CONTRACTOR ELECTS TO SUBSTITUTE AN ALTERNATIVE FIXTURE HE SHALL SUBMIT IN DETAIL COMPLETE CATALOG INFORMATION ON THE PROPOSED SUBSTITUTION AS WELL AS THE SPECIFIED FIXTURE AND PROVIDE LIGHTING CALCULATIONS OF AREAS AFFECTED BY THE PROPOSED SUBSTITUTIONS. THE PROPOSED SUBSTITUTION SHALL BE IN ALL DETAILS COMPLETELY EQUAL TO OR BETTER THAN THE SPECIFIED FIXTURE. IF REQUESTED BY THE ENGINEER THE CONTRACTOR SHALL PROVIDE AT NO COST A SAMPLE OF EACH PROPOSED SUBSTITUTION AND EACH SPECIFIED FIXTURE FOR EVALUATION.
- 5. FLUORESCENT LAMPS SHALL BE ENERGY SAVING TYPE WARM WHITE SP35 SPX35 COLOR AS MANUFACTURED BY GENERAL ELECTRIC, SYLVANIA, OR
- 6. FLUORESCENT LAMPS 2', 3', OR 4' SHALL BE T8 DIAMETER.
- 7. FIXTURES SHALL BE AS INDICATED ON THE SCHEDULE OF FIXTURES AND INDICATE THE QUALITY OF EQUIPMENT THAT IS TO BE PROVIDED.
- 8. ALL LENSES FOR FLUORESCENT FIXTURES SHALL BE 100% ACRYLIC WITH A MINIMUM OF 0.125 LENS OVERALL THICKNESS.
- 9. ALL FIXTURES SHALL BE COMPLETELY WIRED AT THE FACTORY.
- 10. EACH RECESSED AND SEMI-RECESSED FIXTURE SHALL BE FINISHED WITH A MOUNTING FRAME OR RING COMPATIBLE WITH THE CEILING IN WHICH THEY ARE TO BE INSTALLED. THE FRAMES AND RINGS SHALL BE ONE (1) PIECE OR CONSTRUCTED WITH ELECTRICALLY-WELDED BUTT JOINTS, AND OF SUFFICIENT SIZE AND STRENGTH TO SUSTAIN THE WEIGHT OF THE FIXTURE.

- 11. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE CERTAIN THAT ALL RECESSED FIXTURES HAVE TRIMS AND MOUNTING COMPONENTS COMPATIBLE WITH THE CEILING IN WHICH THEY ARE TO BE INSTALLED. SHOP DRAWINGS SHALL CLEARLY INDICATE THE COMPATIBILITY OF THE FIXTURE TO THE CEILING. LIGHTING FIXTURES SHALL MAINTAIN THE FIRE RATING OF THE CEILING.
- 12. LIGHT LEAKS BETWEEN CEILING TRIMS OF RECESSED LIGHTING EQUIPMENT AND THE CEILING WILL NOT BE TOLERATED. YOKES, BRACKETS AND SUPPLEMENTARY SUPPORTING MEMBERS NEEDED TO MOUNTING LIGHTING FIXTURES TO TWO (2) INCH CARRIER CHANNELS OR OTHER SUITABLE CEILING MEMBERS SHALL BE FURNISHED AND INSTALLED BY THE
- 13. YOKES, BRACKETS AND SUPPLEMENTARY SUPPORTING MEMBERS NEEDED TO MOUNTING LIGHTING FIXTURES TO TWO (2) INCH CARRIER CHANNELS OR OTHER SUITABLE CEILING MEMBERS SHALL BE FURNISHED AN INSTALLED BY THE CONTRACTOR.
- 14. RECESSED LIGHTING FIXTURES OF A DIMENSION TWENTY-FOUR (24) INCHES OR LONGER SHALL BE SUPPORTED ON TWO (2) DIAGONAL CORNERS INDEPENDENT OF CEILING CONSTRUCTION. RODS SHALL BE ALL—THREAD, MINIMUM OF 3/8" DIA. GALVANIZED CARBON STEEL WIRE SHALL BE A MINIMUM OF #12 GAUGE. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY CHANNELS, SUPPORT WIRES OR RODS, ETC. TO PROVIDE A STRUCTURALLY SOUND SYSTEM.
- 15. REFLECTORS, REFLECTOR CONES AND VISIBLE TRIM OF ALL LIGHTING FIXTURES SHALL NOT BE INSTALLED UNTIL COMPLETION OF PLASTERING, CEILING TILE WORK, PAINTING AND GENERAL CLEANUP. THEY SHALL BE CAREFULLY HANDLED TO AVOID SCRATCHING OR FINGERPRINTING AND SHALL BE, AT THE TIME OF ACCEPTANCE BY THE OWNER, COMPLETELY CLEAN. ALL ALZAK PARABOLIC CONES SHALL BE GUARANTEED AGAINST DISCOLORATION FOR A MINIMUM OF TWO (2) YEARS, AND, IN THE EVENT OF PREMATURE DISCOLORATION, SHALL BE REPLACED BY THE MANUFACTURER, INCLUDING BOTH MATERIALS AND THE COST OF LABOR.
- 16. ALL BALLASTS SHALL BE COVERED BY A FIVE (5) YEAR WARRANTY AGAINST DEFECTS. WARRANTY SHALL INCLUDE PAYMENT FOR NORMAL LABOR COSTS AND REPLACEMENT OF IN WARRANTY BALLASTS.
- 17. LUMINAIRE ASSEMBLIES, INCLUDING BALLASTS, SHALL BE REASONABLY DEVOID OF OBJECTIONAL "HUM", IN THE NORMAL AMBIENT NOISE OF THE APPLICATION, AS JUDGED BY THE ENGINEER. FLUORESCENT BALLASTS SHALL HAVE A CLASS A SOUND RATING.
- 18. FLUORESCENT BALLASTS SHALL BE ENERGY SAVING INSTANT START ELECTRONIC TYPE AS MANUFACTURED BY ADVANCE MARK V, OR APPROVED EQUAL BY MOTOROLA MXRN-T8-1LL OR MAGNETEK TRIAD HP SERIES. ELECTRONIC BALLASTS SHALL HAVE A TOTAL HARMONIC DISTORTION (THD) RATING LESS THAN 10%. ELECTRONIC BALLASTS SHALL MEET THE FEDERAL COMMUNICATIONS COMMISSION (FCC) STANDARDS SPECIFIED IN PART 18 OF THE FCC RULES CONCERNING INDUSTRIAL, SCIENTIFIC, AND MEDICAL EQUIPMENT.
- 19. FLUORESCENT BALLASTS SHALL MEET THE REQUIREMENTS OF SECTION 410-73 (E) OF THE NATIONAL ELECTRICAL CODE. THE CONTRACTOR AND HIS SUPPLYING LIGHTING FIXTURE MANUFACTURER SHALL BE RESPONSIBLE FOR THE PROPER SELECTION OF BALLASTS FOR OPERATION IN THEIR ENVIRONMENT. BALLASTS SHALL HAVE ETL AND CBM CERTIFICATION LABELS AND SHALL BE HIGH POWER FACTOR TYPE OF 90% OR GREATER.
- 20. A UL LISTING SHALL BE PROVIDED FOR EACH FIXTURE TYPE, AND THE APPROPRIATE LABEL OR LABELS SHALL BE AFFIXED TO EACH FIXTURE IN A POSITION CONCEALING IT FROM NORMAL VIEW.
- 21. UL LABELS SHALL NOT BE INSTALLED ON REFLECTORS.

N.E.R.R. EDUCATION TRAINING CENTER

BARUCH FOUNDATION AND THE UNIVERSITY OF SOUTH CAROLINA

KIMBEL LODGE **RENOVATIONS**

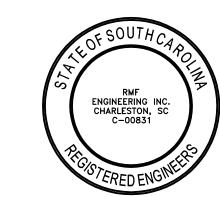


LS3P ASSOCIATES LTD. 227 WEST TRADE STREET SUITE 700 CHARLOTTE, NORTH CAROLINA 28202 TEL. 704.333.6686 FAX 704.333.2926

WWW.LS3P.COM



194 SEVEN FARMS DRIVE, SUITE G CHARLESTON, SC 29492 RMF PROJECT #:312022.A0





MEMBERS OF THE AMERICAN INSTITUTE OF ARCHITECT COPYRIGHT 2012 ALL RIGHTS RESERVED PRINTED OR ELECTRONIC DRAWINGS AND **DOCUMENTATION MAY NOT BE REPRODUCED** IN ANY FORM WITHOUT WRITTEN PERMISSION FROM LS3P ASSOCIATES LTD.

No. Description Date

DRAWN BY: PAM

CHECKED BY: BAC

ELECTRICAL SPECIFICATIONS

SERVICE BY DESIGN

SOLUTIONS THROUGH LISTENING

CONSTRUCTION DOCUMENTS