Florence, South Carolina

PROJECT TEAM

OWNER/AGENCY

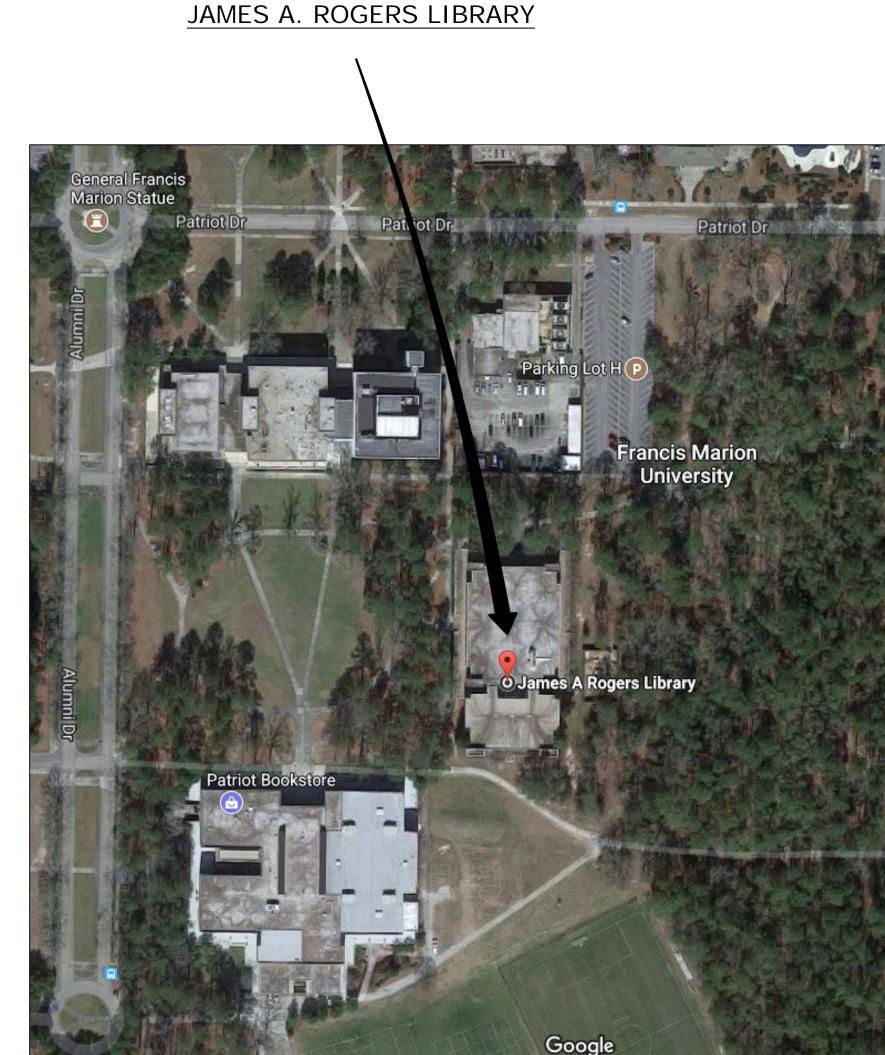
FRANCIS MARION UNIVERSITY P.O. BOX 100547 FLORENCE, SC 29502

> JOE BACE, AIA, LEED AP BD+C ARCHITECT/ENGINEER III (843) 661-1488 JBace@fmarion.edu

ENGINEER

LAND ENGINEERING ASSOCIATES, LLC 262 SANDHURST ROAD, SUITE 101 COLUMBIA, SC 29210

JOSEPH W. LAND, P.E. PROJECT ELECTRICAL ENGINEER PHONE: (803) 528-1437 Joe.Land.LEA@sc.rr.com



VICINITY MAP

PROJECT ADDRESS

JAMES A. ROGERS LIBRARY 4822 EAST PALMETTO STREET FLORENCE, SC 29506

INDEX OF DRAWINGS

PROJECT TITLE SHEET

GENERAL NOTES, LEGEND, SINGLE-LINE DIAGRAM, AND DETAILS

1st FLOOR ELECTRICAL RENOVATION PLAN





·										
LOADS SERVED	BKR. AMP	LOAD KVA	CKT. NO.	(S / N)			CKT. NO.	LOAD KVA	BKR. AMP	LOADS SERVED
RECEPTACLE - LOUNGE	20	1.5	1			$\overline{+}$	2	0	20	SPARE
RECEPTACLE - LOUNGE	20	1.5	3		-	$+ \sim$	4	0	20	SPARE
RECEPTACLE - DEAN'S OFFICE	20	0.2	5			←	6	0	20	SPARE
RECEPTACLE - OFFICE	20	0.2	7	$\overline{}$		$+ \frown$	8	0	20	SPARE
POWER FEED TO COMPUTER DESKS	20	0.7	9	-	•	$+ \sim$	10	0	20	SPARE
POWER FEED TO COMPUTER DESKS	20	0.7	11	$-\uparrow$		∳ <u> </u>	12	0	20	SPARE
POWER FEED TO COMPUTER DESKS	20	0.7	13	-		$+ \frown$	14	0	20	SPARE
SPACE ONLY	-	-	15		•	$+ \frown$	16	-	-	SPACE ONLY
SPACE ONLY	-	-	17			←	18	-	-	SPACE ONLY
SPACE ONLY	-	-	19	$\overline{}$		$+ \frown$	20	-	-	SPACE ONLY
SPACE ONLY	-	-	21	$\overline{}$	-	$+ \frown$	22	-	-	SPACE ONLY
SPACE ONLY	-	-	23			┿	24	-	-	SPACE ONLY
SPACE ONLY	-	-	25	$\overline{}$		$+ \frown$	26	-	-	SPACE ONLY
SPACE ONLY	-	-	27		•	$+ \frown$	28	-	-	SPACE ONLY
SPACE ONLY	-	-	29			┿	30	-	-	SPACE ONLY
SPACE ONLY	-	-	31	$\overline{}$		$+ \frown$	32	-	-	SPACE ONLY
SPACE ONLY	-	-	33	_	•	$+ \frown$	34	-	-	SPACE ONLY
SPACE ONLY	-	-	35			┿	36	-	-	SPACE ONLY
SPACE ONLY	-	-	37	$\overline{}$		$+ \frown$	38	-	-	SPACE ONLY
SPACE ONLY	-	-	39	_	•	$+ \frown$	40	-	-	SPACE ONLY
SPACE ONLY	-	-	41	$\overline{}$		┿	42	-	-	SPACE ONLY
SPACE ONLY	-	-	43	$\overline{}$		$+ \frown$	44	-	-	SPACE ONLY
SPACE ONLY	-	-	45		•	$+ \frown$	46	-	-	SPACE ONLY
SPACE ONLY	-	-	47			$\overline{}$	48	-	-	SPACE ONLY
SPACE ONLY	-	-	49			$+ \frown$	50	-	-	SPACE ONLY
SPACE ONLY	-	-	51		•	$+ \frown$	52	-	-	SPACE ONLY
SPACE ONLY	-	-	53	$\overline{}$		—	54	-	-	SPACE ONLY

NOT TO SCALE







ELECTRICAL LEGEND

SYMBOL	DESCRIPTION					
_	ONE-SECTION ELECTRICAL PANELBOARD. SURFACE MOUNT PANEL WITH TOP AT 66" AFF.					
€	120 VOLT DUPLEX RECEPTACLE, NEMA 5-20R, SPECIFICATION GRADE, WITH IVORY WALLPLATE. COORDINATE EXACT LOCATION OF RECEPTACLE IN ROOM WITH OWNER PRIOR TO ROUGH-IN. ALL RACEWAY AND BOXES ABOVE EXISTING CONCRETE FLOOR SLAB SHALL BE A WIREMOLD #500 IVORY RACEWAY AND BOX SYSTEM (OR EQUAL).					
GFI —	120 VOLT DUPLEX GROUND-FAULT-INTERRUPT TYPE RECEPTACLE, NEMA 5-20R, SPECIFICATION GRADE WITH IVORY WALLPLATE. COORDINATE EXACT LOCATION OF RECEPTACLE IN ROOM WITH OWNER PRIOR TO ROUGH-IN. ALL RACEWAY AND BOXES ABOVE EXISTING CONCRETE FLOOR SLAB SHALL BE A WIREMOLD #500 IVORY RACEWAY AND BOX SYSTEM (OR EQUAL).					
Ю	4" SQUARE WIREMOLD (OR EQUAL) STEEL SURFACE BOX WITH 4" STEEL					

FLUSH-MOUNTED BACKBOX (CUT BACKBOX INTO EXISTING WALL).
PROVIDE A BRUSHED-ALUMINUM WALLPLATE WITH A 3/4" KNOCK-OUT
CENTERED IN WALLPLATE. COORDINATE EXACT LOCATION OF JUNCTION

BOX ALONG EXISTING WALL WITH OWNER PRIOR TO ROUGH-IN.

GENERAL CONSTRUCTION NOTES

 PROVIDE ALL WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND STANDARDS:

INTERNATIONAL EXISTING BUILDING CODE 2015 EDITION

NFPA 70 - NATIONAL ELECTRICAL CODE 2014 EDITION

2. RACEWAYS SHALL BE EMT WITH COMPRESSION TYPE FITTINGS UNLESS NOTED OR DETAILED OTHERWISE. JUNCTION BOXES SHALL BE STEEL TYPE WITH SCREW COVER, SIZED AND SUPPORTED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.

3. INSTALL ELECTRICAL SYSTEMS WITHOUT INTERFERING WITH DUCTS, PIPES, STRUCTURAL MEMBERS, OR OTHER SYSTEMS.

4. THOROUGHLY CLEAN ALL DEVICES, BOXES, RACEWAYS, AND PANELBOARDS BEFORE PLACING IN OPERATION. RESTORE FINISHED SURFACES IF DAMAGED AND DELIVER THE ENTIRE INSTALLATION IN AN APPROVED CONDITION.

5. THE CONTRACTOR SHALL GUARANTEE THE WORK INSTALLED UNDER THIS CONTRACT FOR A PERIOD OF ONE YEAR AFTER DATE OF FINAL ACCEPTANCE.

DEFECTS WHICH APPEAR AS A RESULT OF NORMAL USAGE SHALL BE REMEDIED BY THE CONTRACTOR TO THE COMPLETE SATISFACTION OF THE OWNER WITHOUT COST TO THE OWNER.

6. CUTTING, DRILLING, AND PATCHING: PROVIDE CHASES, SLOTS, AND OPENINGS IN EXISTING BUILDING COMPONENTS TO ALLOW FOR ELECTRICAL INSTALLATIONS. PERFORM CUTTING, DRILLING, FITTING, AND PATCHING REQUIRED TO:

A) INSTALL EQUIPMENT, MATERIALS, AND RACEWAYS IN EXISTING STRUCTURES.B) REMOVE AND REPLACE DEFECTIVE WORK THAT DOES NOT CONFORM TO

REQUIREMENTS OF THE CONTRACT DOCUMENTS.

C) UPON WRITTEN INSTRUCTIONS FROM THE ARCHITECT/ENGINEER, UNCOVER

AND RESTORE WORK TO PROVIDE FOR ARCHITECT/ENGINEER OBSERVATION OF CONCEALED WORK.

PROTECT EXISTING STRUCTURES, FURNISHINGS, FINISHES, MECHANICAL

SYSTEMS, AND ELECTRICAL SYSTEMS WHILE PERFORMING CUTTING, DRILLING,

FITTING, AND PATCHING.

PATCH EXISTING SURFACES AND BUILDING COMPONENTS USING NEW MATERIALS THAT MATCH EXISTING MATERIALS. PATCHING SHALL BE PERFORMED BY EXPERIENCED INSTALLERS.

POWER - STYLE
SWITCHBOARD
SUPPLY RATING
AMPERS
YOUTS
PHASE
WIRES
CYCLES
CYCLES
CYCLES
CYCLES
TYPE THINGS
D-42-07030-111 DWG.
SDURRE T COMPRNY
MADE IN USA

RE-0200-213-15

4 PHOTO: SWITCHBOARD NAMEPLATE

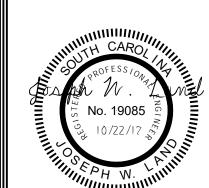
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LEA

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NO. DATE

GENERAL NOTES, LEGENE SINGLE-LINE DIAGRAM, AND DETAILS

N UNIVERSITY
R ELECTRICAL

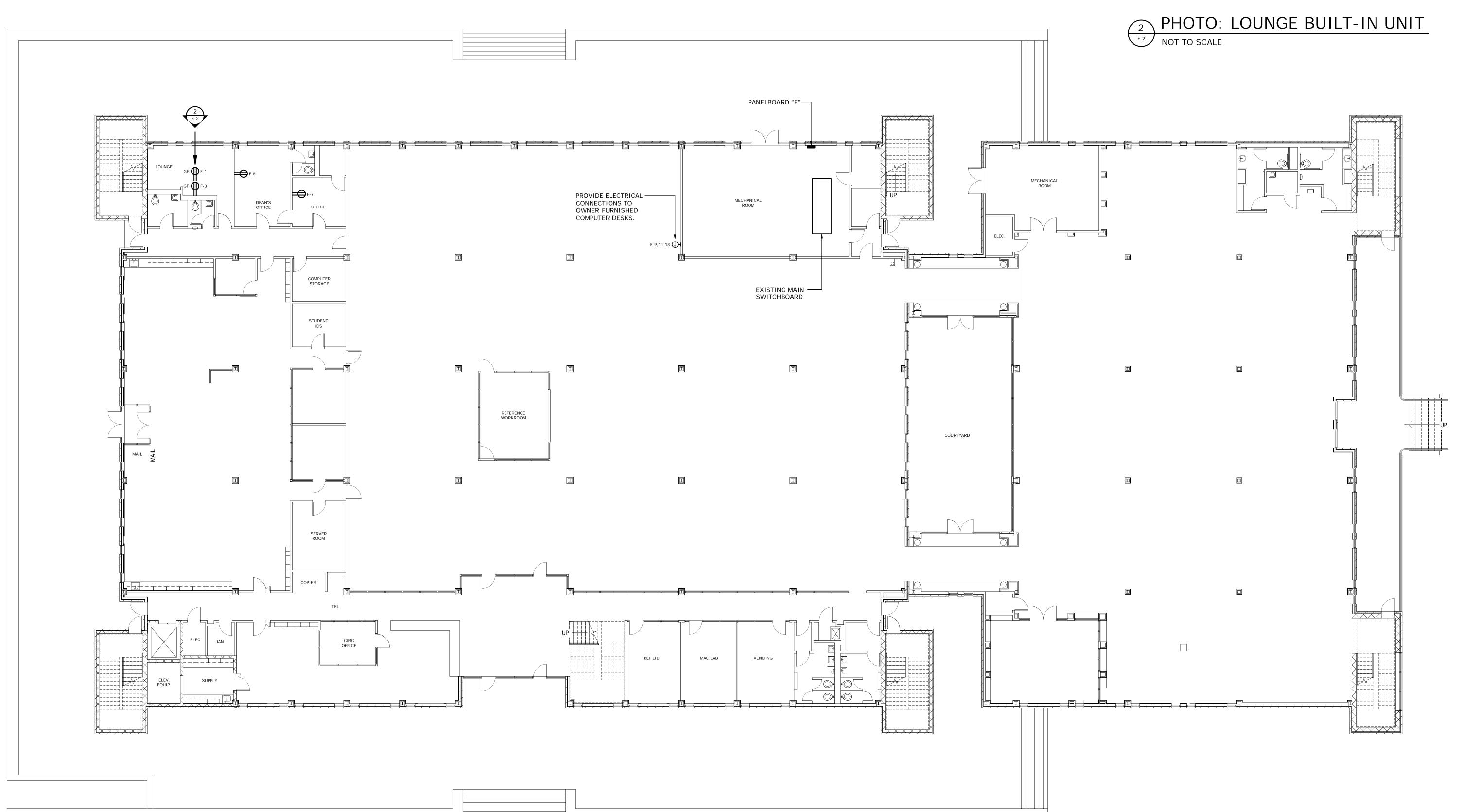
FRANCIS MARION

PROJECT NO.: FMU-2017-01
DRAWING NO.: E-1
DRAWN BY: JSJ
CHECKED BY: JWL
DATE: 10/22/17

DRAWING NO.:

E-1

SHEET: 2 OF 3



Representative IDC Project No: H18-N071-PD ectrical Contracting Services IDC Project No: H18-D089-PD

FRANCIS MARION UNIVERSI

1st FLOOR ELECTRICAL RENOVATION PLAN

LAND ENGINEERING ASSOCIATES, LLC

262 SANDHURST ROAD, SUITE 101 COLUMBIA, SOUTH CAROLINA 29210 (803) 528-1437 Joe.Land.LEA@SC.RR.COM

PROJECT NO.: FMU-201

DRAWING NO.: E-2

DRAWN BY: JSJ

CHECKED BY: JWL

DATE: 10/22/17

DRAWING NO.:

1 1st FLOOR ELECTRICAL RENOVATION PLAN

SCALE: 3/32" = 1'-0"

