

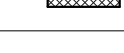

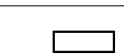


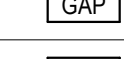
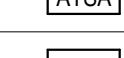
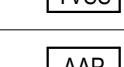




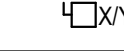

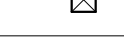
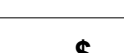
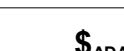

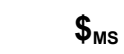
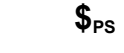
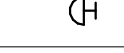



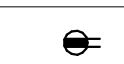







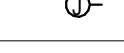
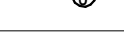

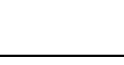
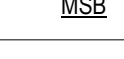
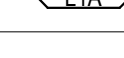
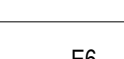
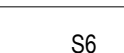

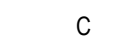
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








































ELECTRICAL GENERAL NOTES

- A. THE POWER RATINGS OF MECHANICAL, PLUMBING, AND FIRE SUPPRESSION SYSTEM MOTORS AND EQUIPMENT AND THE CHARACTERISTICS OF ELECTRICAL SYSTEMS SERVING THEM, AS SPECIFIED IN OTHER DIVISIONS, HAVE BEEN ESTABLISHED AS MINIMUMS WHICH WILL ALLOW THAT EQUIPMENT TO SATISFACTORILY FUNCTION WHILE PRODUCING THE CAPACITIES INDICATED ON THE DRAWINGS OR SPECIFIED HEREIN. THESE POWER RATINGS INDICATE A SAFETY FACTOR AND ARE APPROPRIATE TO ACCOMMODATE COMMON DIFFERENCES BETWEEN DESIGN PARAMETERS AND FIELD CONSTRUCTION PRACTICES.
- B. REASONABLE EFFORTS HAVE BEEN MADE TO COORDINATE THE ELECTRICAL REQUIREMENTS OF THE EQUIPMENT AND SPECIFICATIONS RELATIONS WITH THE ELECTRICAL SYSTEM SERVING THE SAME. DIFFERENCES AMONG MANUFACTURERS OF EQUIPMENT MAKE IT IMPOSSIBLE TO PRODUCE A SINGLE ELECTRICAL DESIGN WHICH WILL SATISFY THE VARYING ELECTRICAL REQUIREMENTS OF THOSE MANUFACTURERS. CONSEQUENTLY, THE CONTRACTOR SHALL COORDINATE THE ELECTRICAL REQUIREMENTS OF THE EQUIPMENT ACTUALLY FURNISHED ON THIS PROJECT AND PROVIDE THE ELECTRICAL SYSTEMS REQUIRED BY THAT EQUIPMENT. THIS COORDINATION EFFORT SHALL BE COMPLETED PRIOR TO THE INSTALLATION OF EITHER THE EQUIPMENT OR THE ELECTRICAL SYSTEMS SERVING THAT EQUIPMENT. ELECTRICAL SYSTEM REVISIONS REQUIRED TO COORDINATE ACTUALLY FURNISHED SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- C. EXISTING CONDITIONS TO REMAIN. ALL NEW WORK INSTALLED TO MEET CURRENT CODE REQUIREMENTS. PRELIMINARY ANNOTATIVE SET WAS REVIEWED WITH CITY OF ATLANTA ON 08/20/2022 BEFORE SUBMITTING FOR PERMIT.
- D. CONVENING, MITEC, AND LOW VOLTAGE WIRING ADOPT BY OWNER.

ELECTRICAL ABBREVIATIONS

AFCC	ABOVE FINISHED COUNTER	MCC	MOTOR CONTROL CENTER
AFD	ABOVE FINISHED FLOOR	MCD	MAN DISTRIBUTION PANEL
AU	AUTHORITY HAVING JURISDICTION	MNH	MAN HOLE
ATS	AUTOMATIC TRANSFER SWITCH	ML	MAIN LUGS ONLY
BFC	BELOW FINISHED CEILING	MLO	MOUNT OR MOUNTED
BOF	BOTTOM OF FIXTURE	MW	MECHANICAL
C	CIRCUIT	N	NEW DEVICE
C/CB OR	CIRCUIT BREAKER	N (N.C.)	NORMALLY CLOSED
CXT BRK	CIRCUIT BREAKER	NEC	NATIONAL ELECTRIFIC CODE
CL	CIRCUIT	NF	NOTIFIED
CNT	CLOSED CIRCUIT TV	NF	NOT IN CONTACT
CLG	CLOSING	NL	NIGHT LIGHT
CR	CRITICAL (EMERGENCY SYSTEM)	N (N.O.)	NORMALLY OPEN
CH	CABINET HEATER	N	NOT
EC	EMPTY CONDUIT	PLGMD	PLUGMOLD
EL	ELECTRIC	P	PANEL
EMS	EMERGENCY	PWR	POWER
EMS	ENERGY MANAGEMENT SYSTEM	R	RELOCATED DEVICE
EXP	EXPLOSION PROOF	RCT(S) OR	RECEPTACLE(S)
ENC	ELECTRIC WATER COOLER	RECPT	RECEPT
EX	EXISTING	REF	REFRIGERATOR
F	FUSE	RF	RETURN AIR FAN
F	FIRST PER MANUFACTURER'S REQUIREMENTS	SE	SIMPLE EXHAUST FAN
FA	FIRE ALARM	SO (S.O.)	SPEAR
FCU	FIRE ALARM CONTROL PANEL	SP	SHUNT
FAL	FAN COIL UNIT	ST (S.T.)	SHUNT TRIP
FIX	FIXTURE	SW	SWITCH
FUR	FLOOR	TE	TELEPHONE
FLOOR	FLOURESCENT	TF	TRANSFER FAN
FUT, FTS OR	FAN TERMINAL UNIT	TP	TAMPER PROOF
FTU	FUSE	TV	TELEVISION
FUT	FUTURE	TVSS	TRANSIENT VOLTAGE SURGE
G, GND	GROUND (EQUIPMENT)	U	UNDERGROUND
GEN	GENERAL CIRCULATING FAN	UF	UNDER FLOOR
GEN	GENERATOR	UH	UNIT HEATER
GFCI, GFI, GF	GROUND FAULT CIRCUIT INTERRUPTER	U (U.N.O.)	UNIT OR INDICATED OTHERWISE
HV	HIGH VOLTAGE	V	VOLTAGE
HWAT	HEAT TRACER	VFD	VARIABLE FREQUENCY DRIVE
ICAND	INCANDESCENT	VFP	VAPOR PROOF
IS	ISOLATED	VV	VARIABLE VOLUME UNIT
JB	GROUND FAULT INDICATION ONLY	W	WIRE
KF	KLING DUNBACH	W	WITH
KITCHEN	KITCHEN EXHAUST FAN	W/G	WIRE GAUGE
LTS	LIGHTING	WP	WEATHER PROOF
LTS	LIGHTS	WT	WATER TIGHT
LV	LOW VOLTAGE	WTRM	WATER TIGHT MOUNTING
MATV	MASTER ANTENNA	XX	HEIGHT IN INCHES, AFF. UNO.
MCB	MAIN CIRCUIT BREAKER	UCC	UNDER CABINET REFRIGERATOR

POWER SYMBOLS LEGEND		
ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.		
SYMBOL	DESCRIPTION	MNTG. HT. UNO.
	SWITCHBOARD OR SWITCHGEAR. DOUBLE LINE INDICATES FRONT.	--
	480Y/277V DISTRIBUTION PANELBOARD, SURFACE-MOUNTED.	--
	208Y/120V DISTRIBUTION PANELBOARD, SURFACE-MOUNTED.	--
	480Y/277V PANELBOARD.	--
	208Y/120V PANELBOARD.	--
	ISOLATION PANEL.	--
	STEP-DOWN TRANSFORMER.	--
	AUTOMATIC TRANSFER SWITCH.	--
	BY-PASS / ISOLATION AUTOMATIC TRANSFER SWITCH.	--
	GROUND BAR. "MGB" = MAIN GROUND BAR. "PG" = PATIENT GROUND BAR. "RG" = ROOM GROUND BAR.	--
	GENERATOR ANNUNCIATOR PANEL.	AS REQUIRED
	AUTOMATIC TRANSFER SWITCH ANNUNCIATOR PANEL.	AS REQUIRED
	TRANSIENT VOLTAGE AND SURGE SUPPRESSOR DEVICE.	AS REQUIRED
	AREA ALARM PANEL.	AS REQUIRED
	FUEL OIL ALARM PANEL.	AS REQUIRED
	MEDICAL GAS ALARM PANEL - PANEL PROVIDED UNDER DIV 15.	AS REQUIRED
	DECONTAMINATION HOLDING TANK ALARM - PANEL PROVIDED UNDER OTHER DIVISION.	AS REQUIRED
	FUSED DISCONNECT SWITCH (W=FRAME SIZE, X=NUMBER OF POLES, Y=FUSE SIZE, Z=ENCLOSURE TYPE IF OTHER THAN NEMA 1).	AS REQUIRED
	NON-FUSED DISCONNECT SWITCH (X=FRAME SIZE, Y=NUMBER OF POLES, Z=ENCLOSURE TYPE IF OTHER THAN NEMA 1).	AS REQUIRED
	ENCLOSED CIRCUIT BREAKER (X=TRIP RATING, Y=NUMBER OF POLES, Z=ENCLOSURE TYPE IF OTHER THAN NEMA 1).	AS REQUIRED
	STARTER / CONTROLLER. REFER TO EQUIPMENT CONNECTION SCHEDULE(S) FOR ADDITIONAL REQUIREMENTS. UON.	AS REQUIRED
	COMBINATION CONTROLLER / STARTER AND DISCONNECT SWITCH. REFER TO EQUIPMENT CONNECTION SCHEDULE(S) AND FOR ADDITIONAL REQUIREMENTS. UON.	AS REQUIRED
	VARIABLE SPEED DRIVE.	AS REQUIRED
	30A SINGLE POLE MOTOR RATED SWITCH	AS REQUIRED
	DISABLED PUSH BUTTON FOR ADA DOOR.	AS REQUIRED
	MOTORIZED DOOR CONTROLLER (FURNISHED WITH DOOR).	AS REQUIRED
	MOTORIZED SHADE CONTROLLER (FURNISHED WITH SHADES).	AS REQUIRED
	PROJECTION SCREEN CONTROLLER (FURNISHED WITH SCREEN).	AS REQUIRED
	EMERGENCY POWER OFF SWITCH WITH CLEAR PLASTIC COVER. LABEL COVER "EMERGENCY POWER SHUTDOWN" IN RED COLOR.	66" AFF
	SINGLE RECEPTACLE - 20A/125V/2P/3W/IG NEMA 5-20R.	18" AFF
	DUPLEX RECEPTACLE - 20A/125V/2P/3W/IG NEMA 5-20R WITH ONE TYPE A AND ONE TYPE C USB CONNECTOR.	18" AFF
	DUPLEX RECEPTACLE - 20A/125V/2P/3W/IG NEMA 5-20R.	18" AFF
	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTERTOP.	8" AFF OR 42" AFF
	QUADRAPLEX RECEPTACLE (TWO DUPLEX RECEPTACLES UNDER ONE COVERPLATE).	18" AFF
	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTERTOP.	8" AFC OR 42" AFF
	DUPLEX RECEPTACLE GFCI - 20A/125V/2P/3W/IG NEMA 5-20R.	18" AFF
	DUPLEX RECEPTACLE GFCI MOUNTED ABOVE COUNTERTOP.	8" AFC OR 42" AFF
	QUADRAPLEX RECEPTACLE GFCI (TWO DUPLEX RECEPTACLES GFCI UNDER ONE COVERPLATE).	18" AFF
	DUPLEX RECEPTACLE - 20A/125V/2P/3W/IG NEMA 5-20R. FOR TV/DISPLAY. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL INTERIOR ELEVATIONS.	--
	DUPLEX RECEPTACLE.	CEILING MOUNTED
	DUPLEX RECEPTACLE. FLUSH MOUNTED IN FLOORBOX WITH COVERPLATE.	FLOOR MOUNTED
	SPECIAL OUTLET - 30A/250V/2P/3W/IG NEMA L5-30R. UON ON FLOORPLANS.	18" AFF
	SPECIAL OUTLET - 30A/250V/2P/3W/IG NEMA L5-30R. UON ON FLOORPLANS.	CEILING MOUNTED
	COMBINATION RECEPTACLE/COMMUNICATIONS OUTLET POKE THROUGH FITTING WITH 2 DUPLEX RECEPTACLES AND 3 SINGLE GANG OPENINGS FOR IT/AV.	FLOOR MOUNTED
	COMBINATION RECEPTACLE/COMMUNICATIONS OUTLET FLOOR BOX WITH 2 DUPLEX RECEPTACLES AND 3 SINGLE GANG OPENINGS FOR IT/AV.	FLOOR MOUNTED
	JUNCTION BOX FOR CONNECTION TO PRE-WIRED SYSTEMS FURNITURE. COORDINATE CONNECTION REQUIREMENTS WITH SYSTEMS FURNITURE PROVIDER.	18" AFF
	POKE THROUGH FOR CONNECTION TO PRE-WIRED SYSTEMS FURNITURE. COORDINATE REQUIREMENTS WITH SYSTEMS FURNITURE PROVIDER.	FLOOR MOUNTED
	FLOOR BOX FOR CONNECTION TO PRE-WIRED SYSTEMS FURNITURE. COORDINATE REQUIREMENTS WITH SYSTEMS FURNITURE PROVIDER.	FLOOR MOUNTED
	JUNCTION BOX.	--
	JUNCTION BOX.	CEILING/ ABOVE CEILING
	DOUBLE CHANNEL SURFACE METAL RACEWAY.	PER ARCH. ELEVATIONS
	DUPLEX RECEPTACLE OUTLET, MOUNTED HORIZONTALLY IN RACEWAY.	PER ARCH. ELEVATIONS
	GFCI DUPLEX RECEPTACLE OUTLET, MOUNTED HORIZONTALLY IN RACEWAY.	PER ARCH. ELEVATIONS
	SPECIAL OUTLET (NEMA L5-30R TYPE, UON ON FLOORPLANS), MOUNTED HORIZONTALLY IN RACEWAY.	PER ARCH. ELEVATIONS
	MOTOR CONNECTION.	--
	ELECTRICAL CONNECTION TO EQUIPMENT, WALL MOUNTED.	AS REQUIRED
	ELECTRICAL CONNECTION TO EQUIPMENT.	AS REQUIRED
POWER LEGEND NOTATIONS		
	UNDERLINE TEXT INDICATES EQUIPMENT NAME. REFER TO ASSOCIATED ELECTRICAL SCHEDULE FOR ADDITIONAL INFORMATION.	
	DENOTES PANELBOARD AND/OR CIRCUIT NUMBER FROM WHICH ALL CIRCUITS WITHIN DESIGNATED AREA OR ROOM SHALL BE SERVED. REFER TO PANELBOARD SCHEDULES FOR CIRCUITING REQUIREMENTS.	
6	NUMBER INDICATES CIRCUIT NUMBER CONNECTED TO NORMAL POWER PANEL.	
E6	NUMBER WITH PREFIX 'E' INDICATES CIRCUIT NUMBER CONNECTED TO EMERGENCY OR LIFE SAFETY PANEL.	
O6	NUMBER WITH PREFIX 'O' INDICATES CIRCUIT NUMBER CONNECTED TO CRITICAL BRANCH PANEL.	
S6	NUMBER WITH PREFIX 'S' INDICATES CIRCUIT NUMBER CONNECTED TO OPTIONAL STANDBY PANEL.	
	EQUIPMENT CONNECTION TAG. REFER TO "EQUIPMENT CONNECTION SCHEDULE" FOR ADDITIONAL INFORMATION.	
C	20A "CLOCK" TYPE RECEPTACLE (FOR U.C. REFS AND MICROWAVES). COORDINATE EXACT LOCATION WITH EQUIPMENT AND ARCHITECTURAL DRAWINGS AND ELEVATIONS.	
CO	INDICATES CORROSION RESISTANT TYPE RECEPTACLE.	
IG	INDICATES ISOLATED GROUND TYPE RECEPTACLE.	
SP	INDICATES SURGE PROTECTION TYPE RECEPTACLE.	
TR	INDICATES TAMPER RESISTANT TYPE RECEPTACLE.	
WP	INDICATES HOUSED IN A "WEATHERPROOF-WHILE-IN-USE" ENCLOSURE TYPE RECEPTACLE.	

LIGHTING SYMBOLS LEGEND		
ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE		
SYMBOL	DESCRIPTION	MNTG. HT. UNO
	WALL SWITCH SPST, 20A, 120/277V.	48" AFF
	WALL SWITCH SPST, 20A, 120/277V. SINGLE LOWERCASE LETTER INDICATES SWITCHING ARRANGEMENT.	48" AFF
	INBOARD/OUTBOARD WALL SWITCHES, SPST. ONE SWITCH SHALL CONTROL INBOARD LAMP(S) AND THE OTHER SHALL CONTROL OUTBOARD LAMP(S).	48" AFF
	DOUBLE-POLE SWITCH WITH CENTER OFF. "UP" POSITION SHALL ENERGIZE LED LUMINAIRE, "DOWN" POSITION SHALL ENERGIZE SAFETY LIGHTS AND "IN USE" SIGN.	48" AFF
	WALL SWITCH, 3-WAY, SINGLE-POLE, DOUBLE-THROW.	48" AFF
	WALL SWITCH, 4-WAY, DOUBLE-POLE, DOUBLE-THROW.	48" AFF
	WALL SWITCH WITH PILOT LIGHT.	48" AFF
	WALL SWITCH WITH WEATHERPROOF COVER, SINGLE-POLE, SINGLE-THROW.	48" AFF
	THREE WAY WALL SWITCH WITH WEATHERPROOF COVER, SINGLE-POLE, SINGLE-THROW.	48" AFF
	DIGITAL TIMER SWITCH.	48" AFF
	THREE WAY DIGITAL TIMER SWITCH.	48" AFF
	LOW VOLTAGE SWITCH.	48" AFF
	WALL SWITCH OCCUPANCY/VACANCY SENSOR, DUAL-TECHNOLOGY TYPE UON.	48" AFF
	WALL SWITCH OCCUPANCY/VACANCY SENSOR, DUAL-RELAY, DUAL-TECHNOLOGY TYPE UON.	48" AFF
	WALL BOX DIMMER, TYPE COMPATIBLE WITH LOAD.	48" AFF
	WALL BOX DIMMER, 3-WAY, TYPE COMPATIBLE WITH LOAD.	48" AFF
	DIMMING WALL SWITCH OCCUPANCY/VACANCY SENSOR, TYPE COMPATIBLE WITH LOAD, DUAL-TECHNOLOGY TYPE UON.	48" AFF
	DUAL-TECHNOLOGY TYPE, CEILING-MOUNTED OCCUPANCY SENSOR.	CEILING
	ULTRASONIC TYPE, CEILING-MOUNTED OCCUPANCY SENSOR.	CEILING
	INFRARED TYPE, CEILING-MOUNTED OCCUPANCY SENSOR.	CEILING
	DUAL-TECHNOLOGY TYPE, CEILING-MOUNTED VACANCY SENSOR.	CEILING
	PHOTOSENSOR FOR DAYLIGHT CONTROL.	AS REQUIRED
	PHOTOCELL.	AS REQUIRED
	LIGHTING CONTACTOR.	AS REQUIRED
	TIMECLOCK.	AS REQUIRED
	EMERGENCY LIGHTING CONTROL RELAY DEVICE.	AS REQUIRED
	LIGHTING MASTER CONTROL, STATION WITH NAME DESIGNATION. REFER TO LIGHTING CONTROL SYSTEM SCHEDULE FOR ADDITIONAL INFORMATION.	48" AFF
	LIGHTING PRESET CONTROL, STATION WITH NAME DESIGNATION. REFER TO LIGHTING CONTROL SYSTEM SCHEDULE FOR ADDITIONAL INFORMATION.	48" AFF
	LIGHTING RELAY CABINET.	--
	LOW-VOLTAGE OVERRIDE WALL STATION FOR LIGHTING RELAY CABINET. REFER TO LIGHTING RELAY CABINET SCHEDULE FOR ADDITIONAL INFORMATION.	48" AFF
	1'X4', 2'X2', OR 2'X4' TROFFER. WIDTH AND LENGTH AS INDICATED ON FLOOR PLANS OR LUMINAIRE SCHEDULE.	PER LUMINAIRE SCHEDULE
	1'X4', 2'X2', OR 2'X4' VOLUMETRIC DIRECT/INDIRECT TROFFER. WIDTH AND LENGTH AS INDICATED ON FLOOR PLANS OR LUMINAIRE SCHEDULE.	PER LUMINAIRE SCHEDULE
	CONTINUOUS LINEAR LUMINAIRE. LENGTH AS INDICATED ON FLOOR PLANS OR LUMINAIRE SCHEDULE.	PER LUMINAIRE SCHEDULE
	LINEAR PENDANT LUMINAIRE. LENGTH AS INDICATED ON FLOOR PLANS OR LUMINAIRE SCHEDULE.	PER LUMINAIRE SCHEDULE
	ROUND DOWNLIGHT LUMINAIRE. SIZE AS INDICATED ON LUMINAIRE SCHEDULE.	PER LUMINAIRE SCHEDULE
	SQUARE DOWNLIGHT LUMINAIRE. SIZE AS INDICATED ON LUMINAIRE SCHEDULE.	PER LUMINAIRE SCHEDULE
	DECORATIVE PENDANT LUMINAIRE.	PER LUMINAIRE SCHEDULE
	WALL-MOUNTED LUMINAIRE.	PER LUMINAIRE SCHEDULE
	LINEAR WALL-MOUNTED LUMINAIRE. LENGTH AS INDICATED ON FLOOR PLANS OR LUMINAIRE SCHEDULE.	PER LUMINAIRE SCHEDULE
	STRIP LUMINAIRE. LENGTH AS INDICATED ON FLOOR PLANS OR LUMINAIRE SCHEDULE.	PER LUMINAIRE SCHEDULE
	LIGHTING TRACK AND TRACK LUMINAIRE. LENGTH TO SCALE.	PER LUMINAIRE SCHEDULE
	BATTERY-POWERED EMERGENCY LIGHT.	PER LUMINAIRE SCHEDULE
	EXIT LIGHT, CEILING-MOUNTED. DARKENED SECTIONS INDICATE FACES; ARROWS AS INDICATED.	PER LUMINAIRE SCHEDULE
	EXIT LIGHT, WALL-MOUNTED. DARKENED SECTIONS INDICATE FACES; ARROWS AS INDICATED.	PER LUMINAIRE SCHEDULE
	AREA/SITE LIGHTING LUMINAIRE.	PER LUMINAIRE SCHEDULE
	PEDESTRIAN LAMP/POST LUMINAIRE.	PER LUMINAIRE SCHEDULE
LIGHTING LEGEND NOTATIONS		
	DENOTES PANELBOARD CIRCUIT NUMBER FROM WHICH ALL CIRCUITS WITHIN DESIGNATED AREA OR ROOM SHALL BE SERVED. REFER TO PANELBOARD SCHEDULES FOR CIRCUITING REQUIREMENTS.	
	DENOTES THE LIGHTING RELAY CABINET OR LIGHTING CONTROL SCHEDULE FROM WHICH ALL ZONED PROGRAMMABLE LIGHTING WITHIN DESIGNATED AREA OR ROOM ARE SERVED.	
6	NUMBER INDICATES CIRCUIT NUMBER.	
RT1	LETTER AND NUMBER COMBINATION INDICATES TYPE. REFER TO LUMINAIRE SCHEDULE FOR ADDITIONAL INFORMATION.	
8	SINGLE LOWER CASE LETTER INDICATES SWITCH CONTROL.	
88	DOUBLE LOWER CASE LETTER INDICATES LIGHTING CONTROL ZONE AS PART OF PROGRAMMABLE LIGHTING CONTROL SYSTEM. REFER TO ASSOCIATED SCHEDULE FOR ADDITIONAL INFORMATION.	
	SOLID HATCHING INDICATES LUMINAIRE CONNECTED TO LIFE SAFETY OR EMERGENCY CIRCUIT.	
	CROSS HATCHING INDICATES LUMINAIRE CONNECTED TO CRITICAL CIRCUIT.	

ELECTRICAL SHEET LIST			
NUMBER	NAME	CURRENT REVISION	DATE
E 000	GENERAL INFORMATION SHEET - ELECTRICAL		
E 001	ELECTRICAL SPECIFICATIONS		
E 002	ELECTRICAL DATA AND FIRE ALARM LEGEND AND DETAILS		
E 119	LEVEL 1 ELECTRICAL POWER PLAN		
E 120	LEVEL 2 ELECTRICAL POWER PLAN		
E 121	LEVEL 3 ELECTRICAL POWER PLAN		
E 122	LEVEL 4 ELECTRICAL POWER PLAN		
E 130	LEVEL 1 ELECTRICAL LIGHTING PLAN		
E 800	ELECTRICAL SCHEDULES		
E 801	ELECTRICAL SCHEDULES		



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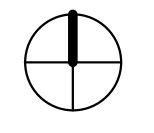
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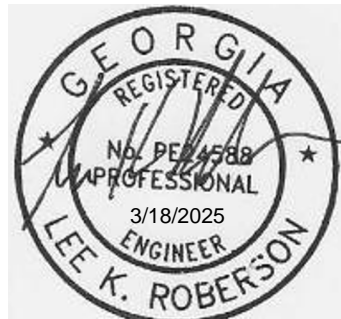


PROJECT NORTH

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Project

**GRADY LEGAL HALL HVAC
MODIFICATIONS AND HEALTH EQUITY
SUITE RENOVATION**

Project Number _____

Sheet Title

GENERAL INFORMATION SHEET - ELECTRICAL

N/A

Sheet Number

E.000

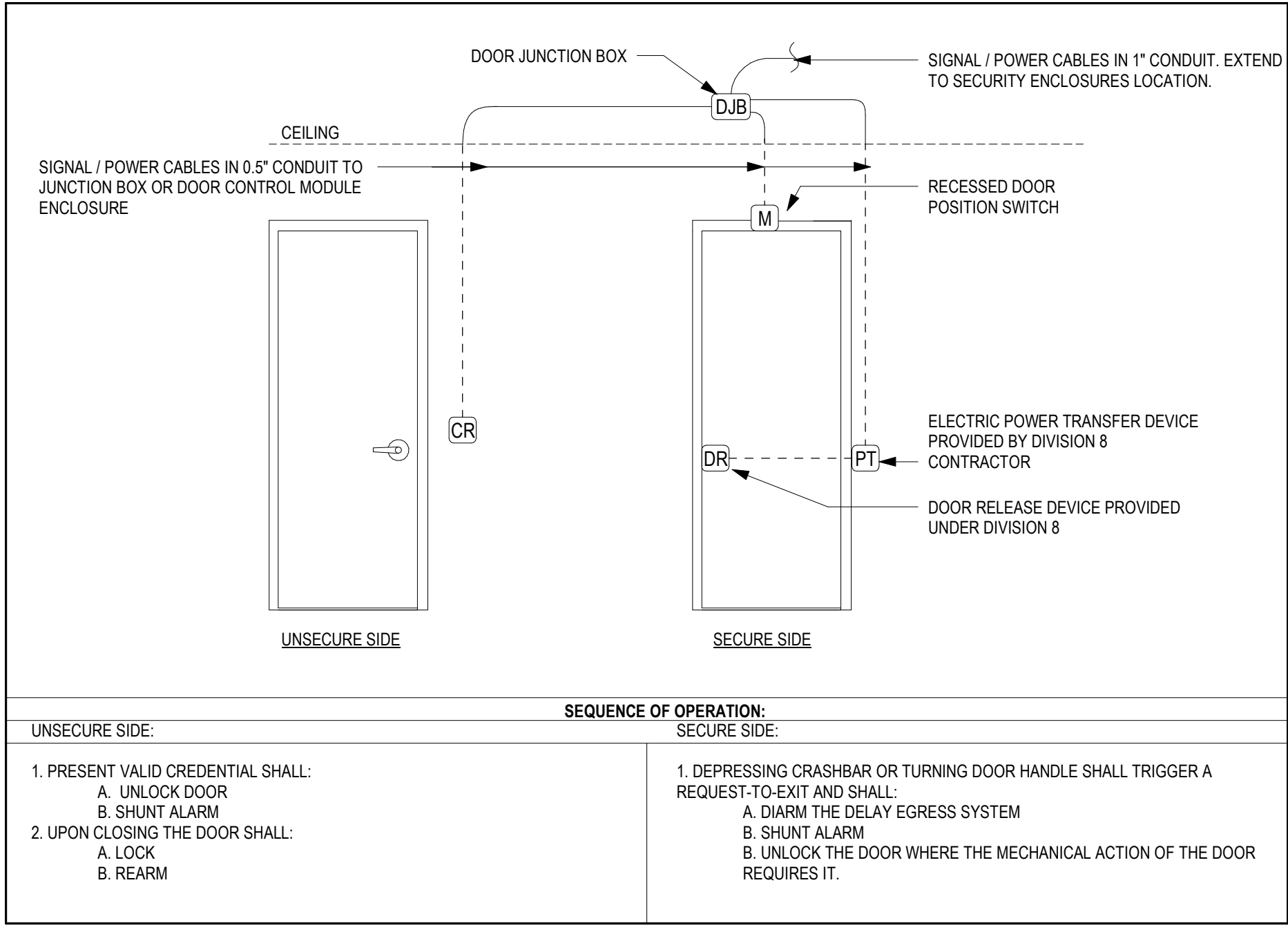
DATA SYMBOLS LEGEND		
ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS. SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.		
SYMBOL	DESCRIPTION	MNTG. HT. UNO
	VOICE AND DATA OUTLET.	18" WALL AFF
	VOICE AND DATA OUTLET, ABOVE COUNTER.	8" WALL AFO OR 42" WALL AFF
	DATA OUTLET AND COAX CABLE.	72" WALL AFF
	FLOOR MOUNTED VOICE AND DATA OUTLET.	FLOOR
	CEILING MOUNTED VOICE AND DATA OUTLET.	ABOVE ACCESSIBLE CEILING
	COMBINATION RECEPTACLE/COMMUNICATIONS OUTLET FLOOR BOX WITH 2 DUPLEX RECEPTACLES AND 3 SINGLE GANG OPENINGS FOR IT/AV. PROVIDE (1) VOICE/ DATA OUTLET IN ONE OF SINGLE GANG SPACES. SEE NOTE 4.	FLOOR
DATA NOTES		
1. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHTS OF ALL DEVICES. 2. ALL BOXES TO BE 4" SQUARE BOXES WITH SINGLE GANG ADAPTER FOR SPECIFIED OUTLET. CONFIRM ALL BACKBOX SIZE WITH FACILITY I.S. GROUP OR I.S. CONTRACTOR PRIOR TO ELECTRICAL ROUGH-IN. 3. PROVIDE (1) 1" CONDUIT FROM ALL DEVICE BACKBOXES TO ABOVE ACCESSIBLE CEILING. 4. PROVIDE (1) 1" CONDUIT FROM EACH IT/AV GANG OPENING WITHIN EACH FLOOR BOX TO ABOVE ACCESSIBLE CEILING. 5. PROVIDE (2) 1" CONDUITS FROM ALL TV OUTLETS TO ABOVE ACCESSIBLE CEILING. 6. ALL EMPTY CONDUITS AND SLEEVES SHALL HAVE NYLON BUSHINGS AT BOTH ENDS AND NYLON PULLCORD.		

ELECTRONIC SAFETY & SECURITY DEVICE LEGEND	
SYMBOL	DESCRIPTION
	PROVIDE DATA OUTLET TO SUPPORT CCTV CAMERA PROVIDED BY OWNER. COORDINATE THE CAMERA REQUIREMENTS WITH OWNER.
	DOUBLE GANG BOX WITH SINGLE GANG PLASTER RING TO SUPPORT OWNER PROVIDED AND INSTALLED CARD READER - REFER TO DETAIL THIS SHEET FOR ADDITIONAL WORK.
	DOUBLE GANG BOX WITH SINGLE GANG PLASTER RING TO SUPPORT OWNER PROVIDED AND INSTALLED INTERCOM.
	DOUBLE GANG BOX WITH SINGLE GANG PLASTER RING TO SUPPORT OWNER PROVIDED AND INSTALLED KEYPAD.
	ELECTRIFIED HARDWARE PROVIDED UNDER DIV 8, PROVIDE ELECTRICAL CONNECTION PER MANUFACTURER'S REQUIREMENTS.
	DOUBLE GANG BOX WITH SINGLE GANG PLASTER RING TO SUPPORT OWNER PROVIDED AND INSTALLED DOOR RELEASE PUSHBUTTON.
	DOUBLE GANG BOX WITH SINGLE GANG PLASTER RING TO SUPPORT OWNER PROVIDED AND INSTALLED EMERGENCY LOCK PUSHBUTTON.
	DOUBLE GANG BOX WITH SINGLE GANG PLASTER RING TO SUPPORT OWNER PROVIDED AND INSTALLED VIDEO CALL STATION.
SECURITY NOTES:	
1. COORDINATE SECURITY DEVICE LOCATIONS WITH SECURITY CONTRACTOR. LOCATIONS SHOWN ON THE DRAWINGS ARE DIAGRAMMATICAL. 2. CONTRACTOR SHALL COORDINATE FINAL LOCATIONS WITH THE ARCHITECT AND SECURITY DEVICE VENDOR. 3. COORDINATE RACEWAY REQUIREMENTS AND ROUTING WITH OWNER PRIOR TO ROUGH-IN. 4. ALL EMPTY CONDUITS AND SLEEVES SHALL HAVE NYLON BUSHINGS AT BOTH ENDS AND NYLON PULLCORD.	

FIRE ALARM SYSTEM DESIGN	
FIRE ALARM SYSTEMS IS A DELEGATED DESIGN. THESE DRAWINGS ARE INTENDED TO SHOW GENERAL GUIDELINES FOR THE PLACEMENT OF FIRE ALARM DEVICES AS THEY RELATE TO OTHER (NON-FIRE ALARM) SYSTEMS AND FOR PERMITTING PURPOSES. THE FINAL FIRE ALARM PLANS TO BE SUBMITTED FOR AHJ APPROVAL SHALL BE PRODUCED AND SEALED BY A NICET LEVEL III CERTIFIED DESIGNER. REFER TO THE ELECTRICAL SPECIFICATIONS FOR FURTHER REQUIREMENTS. THE DESIGNER SHALL PROVIDE ALL DEVICES SHOWN ON THESE DRAWINGS AND ANY ADDITIONAL DEVICES OR COMPONENTS REQUIRED FOR A COMPLETE SYSTEM. IF OTHER DEVICES ARE ANTICIPATED TO BE REQUIRED FOR SYSTEM FUNCTIONALITY, COMPLIANCE WITH NATIONAL AND LOCAL CODES OR APPROVAL OF THE AHJ, THE CONTRACTOR SHALL QUALIFY THEIR BID AND SHALL PROVIDE AN ADD ALTERNATE PRICE MAKING NOTE OF THE SPECIFIC ANTICIPATED ADDITIONAL REQUIREMENTS.	
BUILDING CODE:	2018 IBC WITH GEORGIA AMENDMENTS
FIRE CODE:	2018 IFC
ELECTRICAL CODE:	2023 NFPA 70 (NEC)
BUILDING CONSTRUCTION TYPE:	TYPE 1A - FULLY SPRINKLERED

SYSTEM INPUTS	CONTROL UNIT ANNUNCIATION													NOTIFICATION				REQUIRED FIRE SAFETY CONTROL				SUPPLEMENTARY
	ACTIVATE COMMON ALARM SIGNAL INDICATOR	ACTIVATE ADDRESSABLE ALARM SIGNAL	ACTIVATE ADDRESSABLE ALARM SIGNAL	ACTIVATE ADDRESSABLE ALARM SIGNAL	ACTIVATE ADDRESSABLE ALARM SIGNAL	ACTIVATE ADDRESSABLE ALARM SIGNAL	ACTIVATE ADDRESSABLE ALARM SIGNAL	ACTIVATE ADDRESSABLE ALARM SIGNAL	ACTIVATE ADDRESSABLE ALARM SIGNAL	ACTIVATE ADDRESSABLE ALARM SIGNAL	ACTIVATE ADDRESSABLE ALARM SIGNAL	ACTIVATE ADDRESSABLE ALARM SIGNAL	ACTIVATE ADDRESSABLE ALARM SIGNAL	RECALL ELEVATOR SIGNAL TO SUPERVISING STATION	RECALL ELEVATOR SIGNAL TO SUPERVISING STATION	RECALL ELEVATOR SIGNAL TO SUPERVISING STATION	RECALL ELEVATOR SIGNAL TO SUPERVISING STATION	INITIATE SHUNT TRIP OF ELEVATOR	SHUT DOWN ASSOCIATED HUC UNIT	OVERRIDE RELATED EGRESS (SECURITY INTERFERENCE)	SIGNAL TO SECURITY SYSTEM	
1 MANUAL FIRE ALARM PULL STATION	●																					
2 SMOKE DETECTOR	●	●																				
3 SMOKE DETECTOR (ELEV LOBBY/MACHINE RM)	●	●																				
4 HEAT DETECTOR (ELEVATOR MACHINE ROOM)	●	●																				
5 HEAT DETECTOR	●	●																				
6 IN-DUCT SMOKE DETECTORS			●	●																		
7 SPRINKLER WATER FLOW	●	●																				
8 VALVE TAMPER SWITCH (INCLUDING PIV)				●																		
9 FIRE ALARM AC POWER FAILURE					●	●																
10 FIRE ALARM SYSTEM LOW BATTERY					●	●																
11 OPEN CIRCUIT					●	●																
12 GROUND FAULT					●	●																
13 NOTIFICATION APPLIANCE SHORT CIRCUIT					●	●																
14 FACP LOSS OF AC POWER					●	●																

2 FIRE ALARM FUNCTIONAL MATRIX
12" = 1'-0"



1 CARD READER DETAIL - SINGLE DOOR
3/32" = 1'-0"



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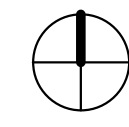


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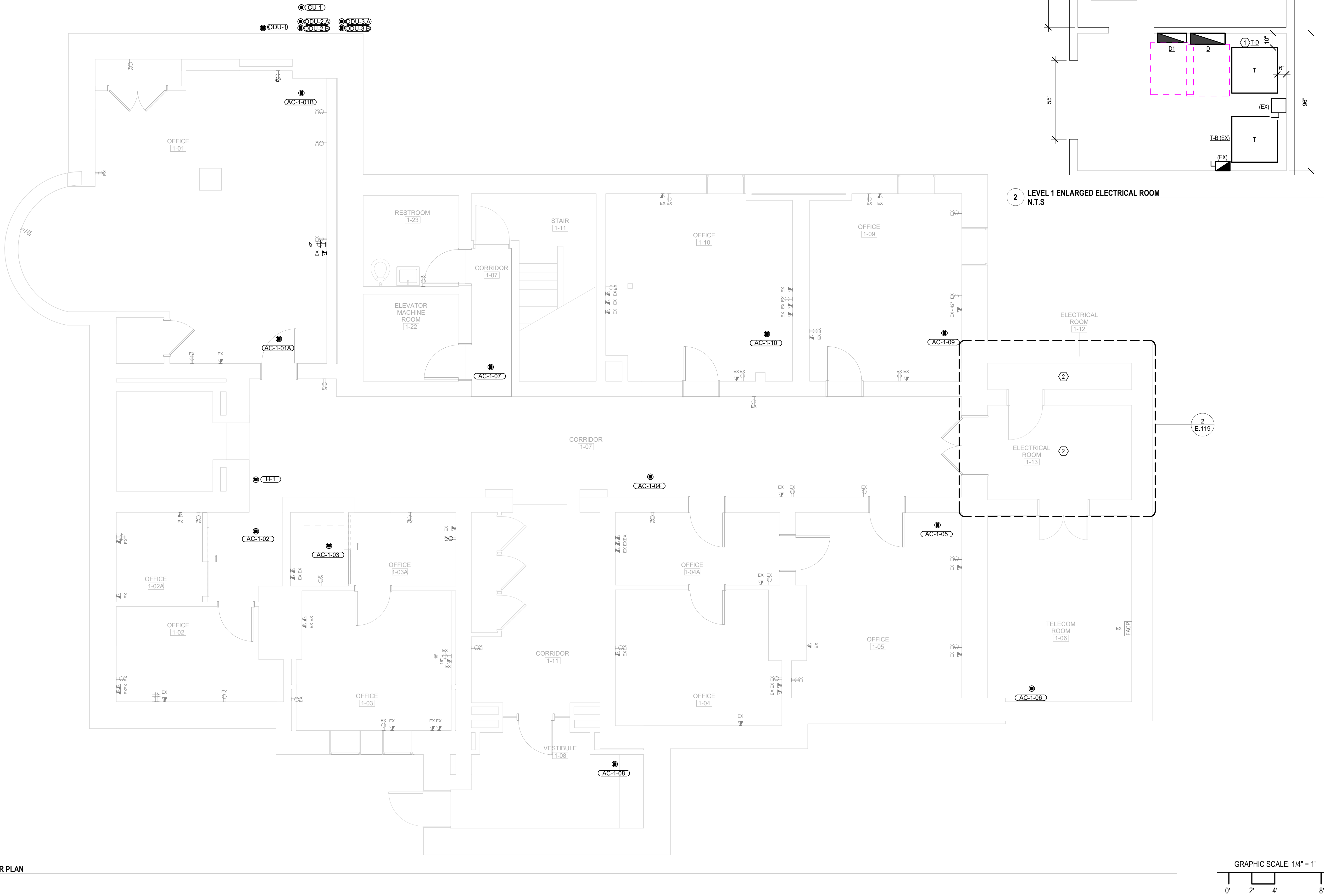


Project:
GRADY LEGAL HALL HVAC
MODIFICATIONS AND HEALTH EQUITY
SUITE RENOVATION
Project Number

Sheet Title:
ELECTRICAL DATA AND FIRE ALARM
LEGEND AND DETAILS
Scale:
N/A

Sheet Number

E.002



KEY NOTES

- 1 NEW TRANSFORMER SHALL BE MOUNTED ABOVE EXISTING TRANSFORMER. SEE SINGLE LINE FOR MORE INFORMATION ON SHEET E.800.
- 2 ELECTRICAL ROOM IS NOT DRAWN TO SCALE. REFER TO ENLARGED ELECTRICAL PLAN ON SHEET E.119 FOR MORE INFORMATION.

GENERAL NOTES

- A. BRANCH CIRCUIT WIRING SHALL BE A MINIMUM OF 3#12 CONDUCTORS INCLUDING GROUND CONDUCTORS UNLESS OTHERWISE INDICATED OR AS INDICATED BELOW.
- A. FOR 120V, 20A CIRCUITS 75' OR GREATER PROVIDE #10 AWG HOMERUN CONDUCTORS.
- B. FOR 120V, 20A CIRCUITS 150' OR GREATER PROVIDE #8 AWG HOMERUN CONDUCTORS.
- C. FOR 277V, 20A CIRCUITS 150' OR GREATER PROVIDE #10 AWG HOMERUN CONDUCTORS.
- B. VERIFY EXACT LOCATION OF POWER, DATA, AND VOICE (TELEPHONE) OUTLETS WITH ARCHITECTURAL DRAWINGS. COORDINATE DISCREPANCIES WITH THE ARCHITECT AND ENGINEER. COORDINATE FINISH COLORS OF ALL DEVICES WITH THE ARCHITECT.
- C. REFER TO ARCHITECTURAL ELEVATIONS TO DETERMINE ORIENTATION OF ABOVE COUNTER RECEPTACLES, I.E. HORIZONTAL OR VERTICAL.
- D. REFER TO ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS FOR GUIDANCE AND VERIFICATION OF DIMENSIONS, CEILING HEIGHTS, DOOR SWINGS, ROOM FINISHES AND LOCATION OF DUCTWORK, PIPES, STRUCTURAL STEEL, EQUIPMENT, CABINET WORK AND FURNITURE.
- E. PENETRATIONS OF STRUCTURAL ELEMENTS, WALLS, FLOORS AND ROOFS FOR THE PASSAGE OF RACEWAYS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. PENETRATIONS SHALL BE PROPERLY SEALED AFTER INSTALLATION SO AS TO MAINTAIN THE INTEGRITY OF THE SYSTEM PENETRATED.
- F. INSTALL WALL LIGHTING FIXTURES, WALL SWITCHES, WALL OUTLETS AND OTHER WALL MOUNTED EQUIPMENT IN STRICT COORDINATION WITH DETAILS, SECTIONS, ELEVATIONS AND ROOM FINISHES SHOWN ON ARCHITECTURAL DRAWINGS.
- G. WALL AND FLOOR MOUNTED POWER RECEPTACLES SHOWN NEAR DATA OUTLETS SHALL BE LOCATED WITHIN SIX (6) INCHES OF THE DATA OUTLET. LOCATE AT SAME MOUNTING HEIGHT UNLESS NOTED OTHERWISE.
- H. CIRCUIT DESIGNATION IS BASED UPON FIELD INVESTIGATION OF CIRCUIT BREAKERS, CIRCUIT DIRECTORIES, AND EXISTING DRAWINGS. CONTRACTOR SHALL VERIFY THAT ASSIGNED CIRCUITS ARE AVAILABLE AND MAINTAIN THE INTEGRITY OF CIRCUITS OUTSIDE OF THE AREA OF DEMOLITION.
- I. MEMBRANE PENETRATIONS OF MAXIMUM 2-HOUR FIRE-RESISTANCE-RATED WALLS AND PARTITIONS BY STEEL ELECTRICAL BOXES SHALL BE IN ACCORDANCE WITH IBC ARTICLE 714.4.2, WHERE THE SPACING REQUIREMENTS OF THIS ARTICLE CANNOT BE MET, STEEL BOXES SHALL BE PROTECTED WITH UL LISTED PUTTY PADS OR BY OTHER LISTED MATERIALS AND METHODS.
- J. DESIGNATION 'EX' REPRESENTS EXISTING DEVICE OR LIGHT FIXTURE TO REMAIN AS CIRCUITED AND SWITCHED UNLESS NOTED OTHERWISE. EXISTING LIGHT FIXTURES SHALL BE CLEANED AND REPAIRED AS REQUIRED.
- K. EXISTING RACEWAYS AND ELECTRICAL BOXES IN GOOD CONDITION MAY BE REUSED FOR NEW DEVICES IF IN APPROXIMATE LOCATION AS DEVICES SHOWN.
- L. EXISTING CONDITIONS TO REMAIN. ALL NEW WORK INSTALLED TO MEET CURRENT CODE REQUIREMENTS. PRELIMINARY ANNOTATIVE SET WAS REVIEWED WITH CITY OF ATLANTA ON 03/08/2022 BEFORE SUBMITTING FOR PERMIT.
- M. CONVERGIN, MITEC, AND LOW VOLTAGE WIRING ADDED BY OWNER.



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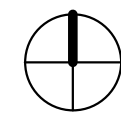


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Seal/Signature



Project:
**GRADY LEGAL HALL HVAC
MODIFICATIONS AND HEALTH EQUITY
SUITE RENOVATION**

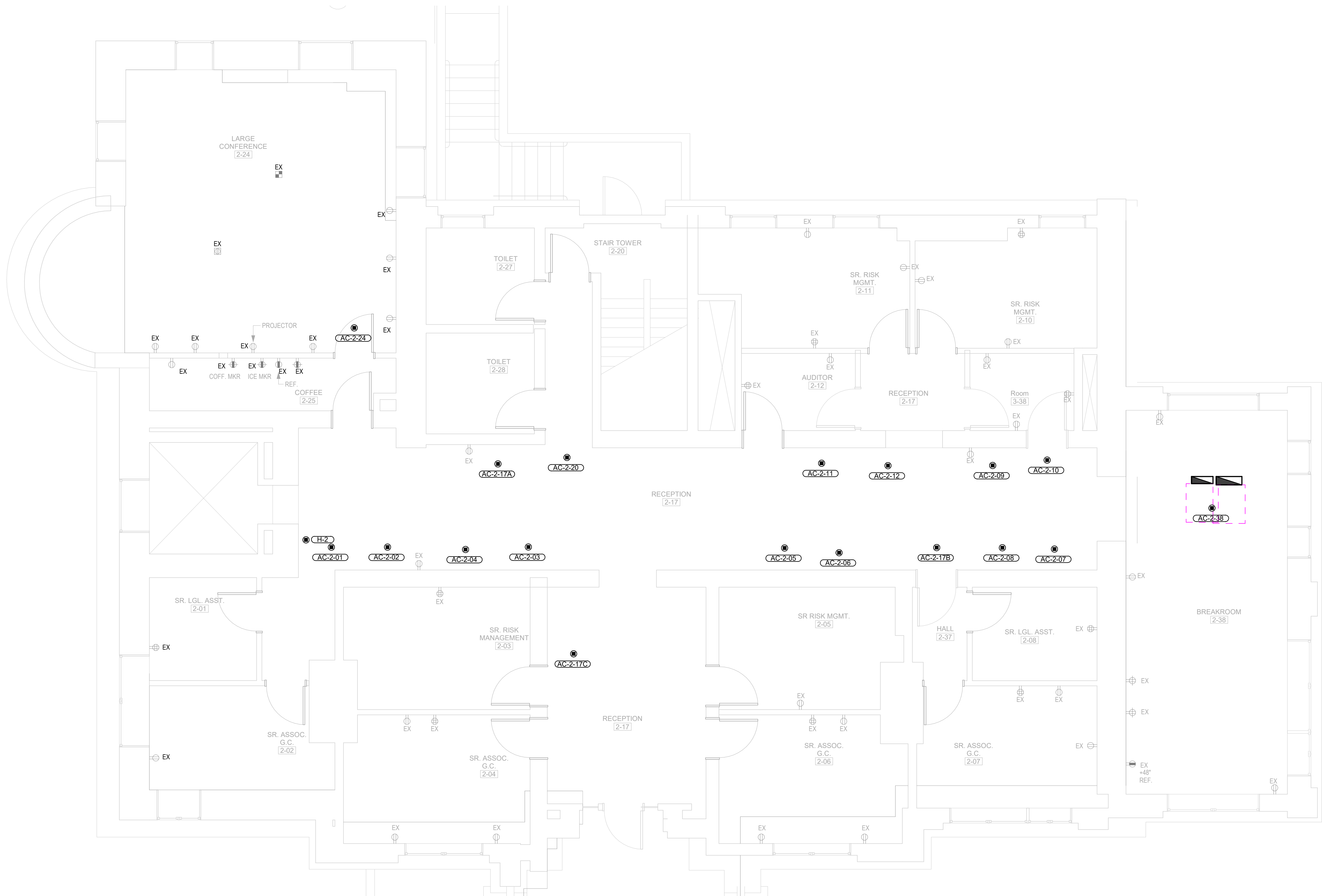
Project Number

Sheet Title
LEVEL 1 ELECTRICAL POWER PLAN

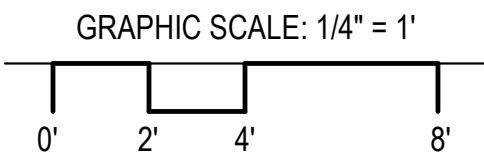
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As indicated

Sheet Number

E.119



1 LEVEL 2 POWER PLAN
1/4" = 1'-0"



KEY NOTES

GENERAL NOTES

- BRANCH CIRCUIT WIRING SHALL BE A MINIMUM OF 3#12 CONDUCTORS INCLUDING GROUND CONDUCTORS UNLESS OTHERWISE INDICATED OR AS INDICATED BELOW.
 - FOR 120V, 20A CIRCUITS 75' OR GREATER PROVIDE #10 AWG HOMERUN CONDUCTORS.
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- REFER TO ARCHITECTURAL ELEVATIONS TO DETERMINE ORIENTATION OF ABOVE COUNTER RECEPTACLES, I.E. HORIZONTAL OR VERTICAL.
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- PENETRATIONS OF STRUCTURAL ELEMENTS, WALLS, FLOORS AND ROOFS FOR THE PASSAGE OF RACEWAYS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. PENETRATIONS SHALL BE PROPERLY SEALED AFTER INSTALLATION SO AS TO MAINTAIN THE INTEGRITY OF THE SYSTEM PENETRATED.
- INSTALL WALL LIGHTING FIXTURES, WALL SWITCHES, WALL OUTLETS AND OTHER WALL MOUNTED EQUIPMENT IN STRICT COORDINATION WITH DETAILS, SECTIONS, ELEVATIONS AND ROOM FINISHES SHOWN ON ARCHITECTURAL DRAWINGS.
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- MEMBRANE PENETRATIONS OF MAXIMUM 2-HOUR FIRE-RESISTANCE-RATED WALLS AND PARTITIONS BY STEEL ELECTRICAL BOXES SHALL BE IN ACCORDANCE WITH IBC ARTICLE 714.4.2. WHERE THE SPACING REQUIREMENTS OF THIS ARTICLE CANNOT BE MET, STEEL BOXES SHALL BE PROTECTED WITH UL LISTED PUTTY PADS OR BY OTHER LISTED MATERIALS AND METHODS.
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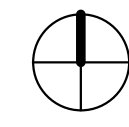


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Project:
**GRADY LEGAL HALL HVAC
MODIFICATIONS AND HEALTH EQUITY
SUITE RENOVATION**

Project Number

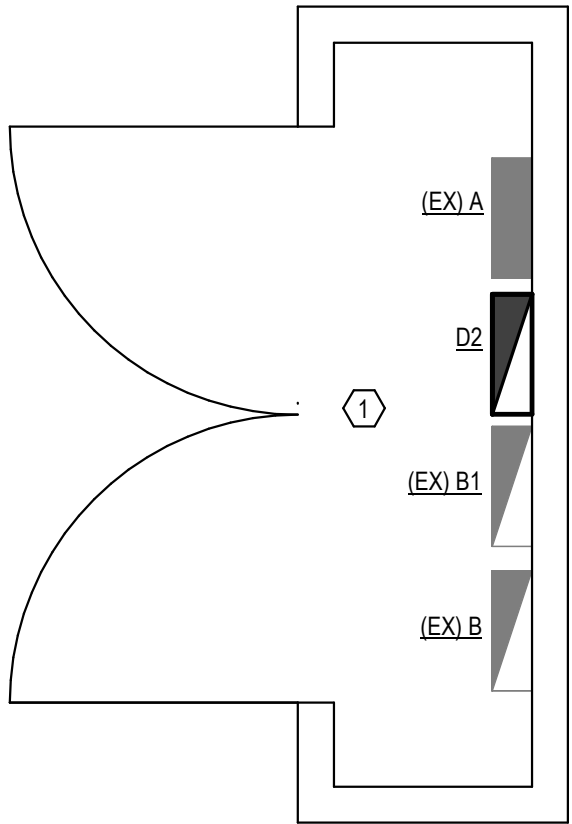
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LEVEL 2 ELECTRICAL POWER PLAN

Scale
As indicated

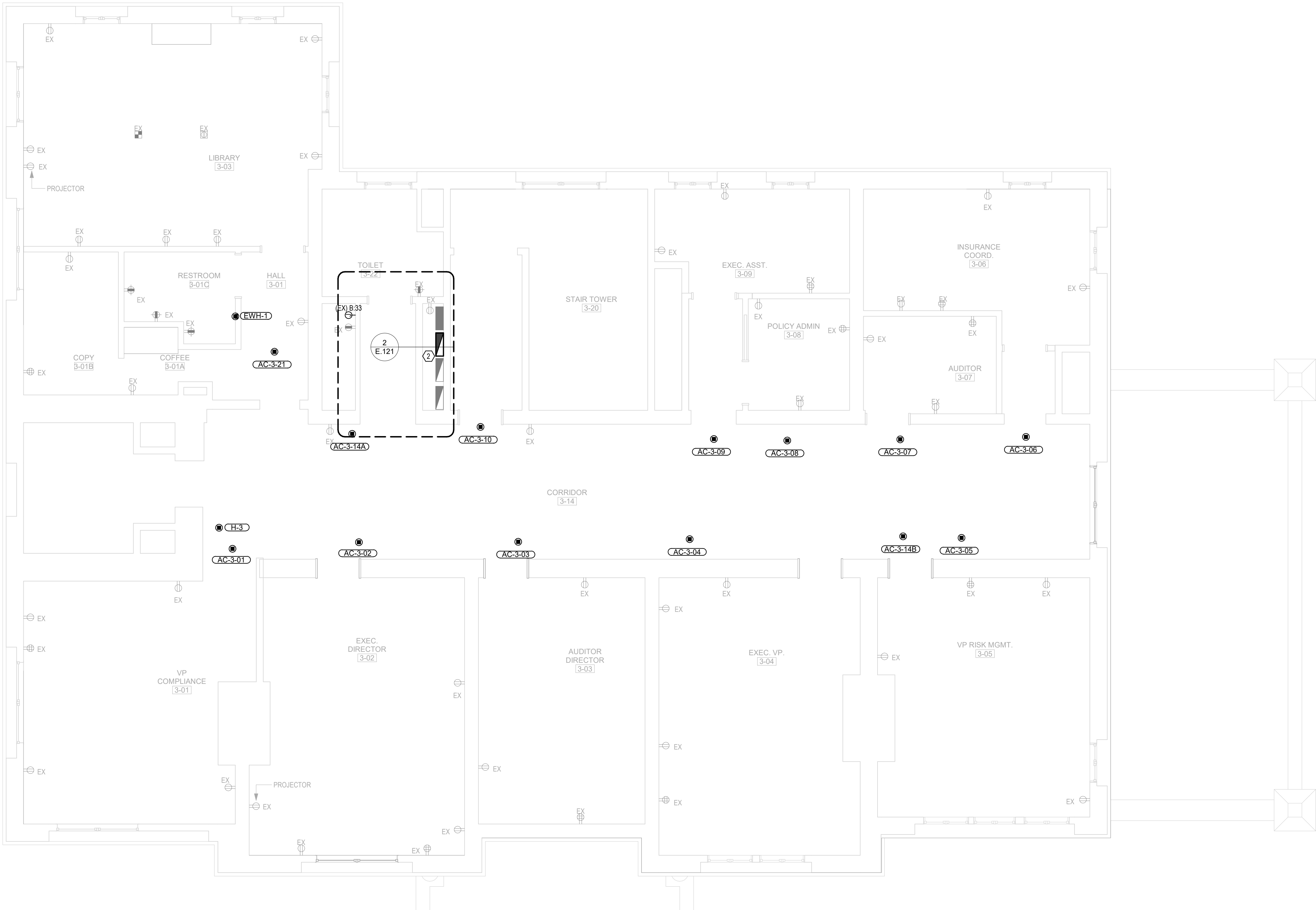
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E.120

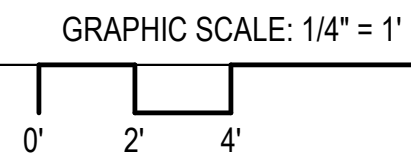
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2 LEVEL 3 ELECTRICAL ROOM
N.T.S



1 LEVEL 3 POWER PLAN
1/4" = 1'-0"



KEY NOTES

- EXISTING ELECTRICAL CLOSET IS EXISTING TO REMAIN. ARCHITECTURAL BACKGROUND MAY NOT ACCURATELY REPRESENT EXISTING CONDITIONS. ENSURE PROPER CLEARANCES ARE PROVIDED PER NEC. ANY ISSUES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD.
- ELECTRICAL ROOM IS NOT DRAWN TO SCALE. REFER TO ENLARGED ELECTRICAL PLAN ON SHEET E.121 FOR MORE INFORMATION.

GENERAL NOTES

- BRANCH CIRCUIT WIRING SHALL BE A MINIMUM OF 3/12 CONDUCTORS INCLUDING GROUND CONDUCTORS UNLESS OTHERWISE INDICATED OR AS INDICATED BELOW.
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- INSTALL WALL LIGHTING FIXTURES, WALL SWITCHES, WALL OUTLETS AND OTHER WALL MOUNTED EQUIPMENT IN STRICT COORDINATION WITH DETAILS, SECTIONS, ELEVATIONS AND ROOM FINISHES SHOWN ON ARCHITECTURAL DRAWINGS.
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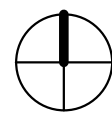


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MODIFICATIONS AND HEALTH EQUITY
SUITE RENOVATION**

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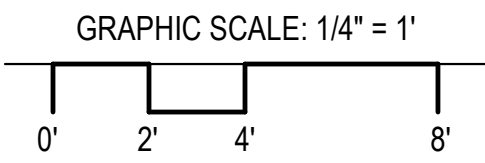
Sheet Title
LEVEL 3 ELECTRICAL POWER PLAN

Scale
As indicated

Sheet Number

E.121

1 LEVEL 4 POWER PLAN
1/4" = 1'-0"



KEY NOTES

GENERAL NOTES

- A. BRANCH CIRCUIT WIRING SHALL BE A MINIMUM OF #12 CONDUCTORS INCLUDING GROUND CONDUCTORS UNLESS OTHERWISE INDICATED OR AS INDICATED BELOW:
A. FOR 120V, 20A CIRCUITS 75' OR GREATER PROVIDE #10 AWG HOMERUN CONDUCTORS.
B. FOR 120V, 20A CIRCUITS 150' OR GREATER PROVIDE #8 AWG HOMERUN CONDUCTORS.
C. FOR 277V, 20A CIRCUITS 150' OR GREATER PROVIDE #10 AWG HOMERUN CONDUCTORS.
B. VERIFY EXACT LOCATION OF POWER, DATA AND VOICE (TELEPHONE) OUTLETS WITH ARCHITECTURAL DRAWINGS. COORDINATE DISCREPANCIES WITH THE ARCHITECT AND ENGINEER. COORDINATE FINISH COLORS OF ALL DEVICES WITH THE ARCHITECT.
C. REFER TO ARCHITECTURAL ELEVATIONS TO DETERMINE ORIENTATION OF ABOVE COUNTER RECEPTACLES, I.E. HORIZONTAL OR VERTICAL.
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E. PENETRATIONS OF STRUCTURAL ELEMENTS, WALLS, FLOORS AND ROOFS FOR THE PASSAGE OF RACEWAYS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. PENETRATIONS SHALL BE PROPERLY SEALED AFTER INSTALLATION SO AS TO MAINTAIN THE INTEGRITY OF THE SYSTEM PENETRATED.
F. INSTALL WALL LIGHTING FIXTURES, WALL SWITCHES, WALL OUTLETS AND OTHER WALL MOUNTED EQUIPMENT IN STRICT COORDINATION WITH DETAILS, SECTIONS, ELEVATIONS AND ROOM FINISHES SHOWN ON ARCHITECTURAL DRAWINGS.
G. WALL AND FLOOR MOUNTED POWER RECEPTACLES SHOWN NEAR DATA OUTLETS SHALL BE LOCATED WITHIN SIX (6) INCHES OF THE DATA OUTLET. LOCATE AT SAME MOUNTING HEIGHT UNLESS NOTED OTHERWISE.
H. CIRCUIT DESIGNATION IS BASED UPON FIELD INVESTIGATION OF CIRCUIT BREAKERS, CIRCUIT DIRECTORIES, AND EXISTING DRAWINGS. CONTRACTOR SHALL VERIFY THAT ASSIGNED CIRCUITS ARE AVAILABLE AND MAINTAIN THE INTEGRITY OF CIRCUITS OUTSIDE OF THE AREA OF DEMOLITION.
I. MEMBRANE PENETRATIONS OF MAXIMUM 2-HOUR FIRE-RESISTANCE-RATED WALLS AND PARTITIONS BY STEEL ELECTRICAL BOXES SHALL BE IN ACCORDANCE WITH IBC ARTICLE 714.4.2, WHERE THE SPACING REQUIREMENTS OF THIS ARTICLE CANNOT BE MET, STEEL BOXES SHALL BE PROTECTED WITH UL LISTED PUTTY PADS OR BY OTHER LISTED MATERIALS AND METHODS.
J. DESIGNATION 'EX' REPRESENTS EXISTING DEVICE OR LIGHT FIXTURE TO REMAIN AS CIRCUITED AND SWITCHED UNLESS NOTED OTHERWISE. EXISTING LIGHT FIXTURES SHALL BE CLEANED AND REPAIRED AS REQUIRED.
K. EXISTING RACEWAYS AND ELECTRICAL BOXES IN GOOD CONDITION MAY BE REUSED FOR NEW DEVICES IF IN APPROXIMATE LOCATION AS DEVICES SHOWN.
L. EXISTING CONDITIONS TO REMAIN. ALL NEW WORK INSTALLED TO MEET CURRENT CODE REQUIREMENTS. PRELIMINARY ANNOTATIVE SET WAS REVIEWED WITH CITY OF ATLANTA ON 03/08/2022 BEFORE SUBMITTING FOR PERMIT.
M. CONVERGIN, MITEC, AND LOW VOLTAGE WIRING ADDED BY OWNER.



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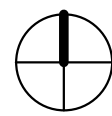


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PROJECT NORTH

Issue	Date & Description	By
03/18/2025	ISSUED FOR CONSTRUCTION	

Drawn by **DP** Reviewed by **LR**

Seal/Signature



Project
**GRADY LEGAL HALL HVAC
MODIFICATIONS AND HEALTH EQUITY
SUITE RENOVATION**

Project Number

Sheet Title
LEVEL 4 ELECTRICAL POWER PLAN

Scale
As indicated

Sheet Number

E.122



KEY NOTES

- EXISTING LIGHT FIXTURES AND CONTROL DEVICES WITHIN SPACE ARE EXISTING TO REMAIN. IF EXISTING LIGHTING CIRCUIT IS INTERRUPTED AS PART OF RENOVATION, RECONNECT EXISTING NORMAL LIGHT FIXTURES TO NEAREST NORMAL LIGHTING CIRCUIT, AND RECONNECT EXISTING EMERGENCY FIXTURES TO NEAREST LIFE SAFETY/EMERGENCY CIRCUIT.
- LIGHT FIXTURE MOUNTED IN EXISTING CEILING CAVITY. TYPICAL FOR ALL TYPE "L" FIXTURES IN CORRIDOR.
- NEW LIGHT FIXTURES SHALL BE INSTALLED WITHIN SPACE. LIGHTING CONTROLS ARE EXISTING TO REMAIN. IF EXISTING LIGHTING CIRCUIT IS INTERRUPTED AS PART OF RENOVATION, RECONNECT EXISTING NORMAL LIGHT FIXTURES TO NEAREST NORMAL LIGHTING CIRCUIT, AND RECONNECT EXISTING EMERGENCY FIXTURES TO NEAREST LIFE SAFETY/EMERGENCY CIRCUIT.
- DEMOLISH LIGHT FIXTURES IN SPACE. STUB UP EXISTING LIGHTING CIRCUIT SERVING THE SPACE WITH INTENT TO CONNECT TO NEW LIGHTING FIXTURES.
- EMERGENCY FIXTURE SHALL HAVE A BATTERY BACKUP WITH 90 MINUTES OF RUN TIME. EMERGENCY FIXTURES SHALL BE CONTROLLABLE WITH THE ROOM LIGHTING CONTROLS. STAKP-24-3000LM-80-35K-COLT-MINI-EXT-MOVOLT-SLD-E10W
- EMERGENCY FIXTURE SHALL HAVE A BATTERY BACKUP WITH 90 MINUTES OF RUN TIME. EMERGENCY FIXTURES SHALL BE CONTROLLABLE WITH THE ROOM LIGHTING CONTROLS. 24PFL25073-3500K-L0W-EL10W
- CONNECT LIGHT FIXTURES TO EXISTING LIGHTING CONTROLS IN THE SPACE.
- AREA NOT IN SCOPE.

GENERAL NOTES

- ALL CEILING MOUNTED ITEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. IF A LOCATION FOR AN ITEM IS NOT SHOWN ON THE ARCHITECTURAL REFLECTED CEILING PLANS, VERIFY THE EXACT LOCATION OF THE ITEM WITH THE ARCHITECT/ENGINEER PRIOR TO INSTALLATION. THESE REQUIREMENTS APPLY TO ALL CEILING TYPES IN ALL AREAS.
- ALL LIGHT FIXTURES SHOWN ARE CEILING/SURFACE MOUNTED UNLESS OTHERWISE NOTED.
- UNLESS OTHERWISE NOTED, ALL CONTROL DEVICES SHALL CONTROL LIGHT FIXTURES LOCATED WITHIN SAME SPACE.
- CONTRACTOR SHALL ENSURE ALL CONTROL DEVICES, INCLUDING DIMMING SWITCHES, ARE COMPATIBLE WITH THE FIXTURES BEING CONTROLLED AND RATED FOR THE REQUIRED WATTAGE.
- LIGHTING CONTROL NOTES:
 - ~~OVERDRIDERS~~: NO CONTROLS REQUIRED IN THESE SPACES. LIGHT FIXTURES SHALL REMAIN CONSTANTLY ENERGIZED WITHOUT LOCAL SWITCHING.
 - RESTROOMS, BREAKROOMS, PANTRY AREAS: OCCUPANCY SENSORS SHALL BE SET TO AUTOMATICALLY SWITCH LIGHTS ON AND OFF WITH LOCAL WALL MOUNTED OVERRIDE SWITCH. IF SWITCH IS OPERATED OR IF MOTION IS DETECTED, LIGHTS SHALL AUTOMATICALLY SWITCH ON TO 100% ILLUMINATION AND AUTOMATICALLY SWITCH OFF IF NO OCCUPANCY IS DETECTED AFTER 15 MINUTES OR IF WALL SWITCH IS SET TO 'OFF' POSITION.
 - OFFICES, MEETING ROOMS, LIBRARY SPACES: LIGHT FIXTURES SHALL BE DIMMABLE BETWEEN 10%-100% ILLUMINATION VIA WALL MOUNTED DIMMING SWITCH. OCCUPANCY SENSOR SHALL BE SET TO VACANCY MODE ('AUTO OFF ONLY'). LIGHTS SHALL SWITCH ON WHEN WALL MOUNTED DIMMER SWITCH IS ACTIVATED AND AUTOMATICALLY SWITCH OFF NO OCCUPANCY IS DETECTED AFTER 15 MINUTES OR IF WALL SWITCH IS SET TO 'OFF' POSITION.
 - ELECTRICAL/MECHANICAL ROOMS: LIGHTS SHALL BE CONTROLLED VIA WALL MOUNTED SWITCH WITHOUT AUTOMATIC CONTROLS.
- REFER TO ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS FOR GUIDANCE AND VERIFICATION OF DIMENSIONS, CEILING HEIGHTS, DOOR SWINGS, ROOM FINISHES AND LOCATION OF DUCTWORK, PIPES, STRUCTURAL STEEL, EQUIPMENT, CABINET WORK AND FURNITURE.
- INSTALL WALL LIGHTING FIXTURES, WALL SWITCHES, WALL OUTLETS AND OTHER WALL MOUNTED EQUIPMENT IN STRICT COORDINATION WITH DETAILS, SECTIONS, ELEVATIONS AND ROOM FINISHES SHOWN ON ARCHITECTURAL DRAWINGS.
- FOR 120 V, 20 A CIRCUITS LESS THAN 75' IN LENGTH PROVIDE 2#12, 1#12G - 0.75" C. FOR 120 V, 20 A CIRCUITS 75' OR GREATER IN LENGTH PROVIDE 2#10, #10G - 0.75" C.
- EXIT SIGNS SHALL BE CONNECTED TO THE EXISTING UNSWITCHED EGRESS LIGHTING CIRCUIT.
- PROVIDE EMERGENCY EGRESS LIGHT FIXTURES AND EXIT SIGNS WITH INTEGRAL 90 MINUTE BATTERY.
- SEE LUMINAIRE SCHEDULE ON SHEET E.130 FOR LIGHT FIXTURE SPECIFICATIONS.
- EXISTING CONDITIONS TO REMAIN. ALL NEW WORK INSTALLED TO MEET CURRENT CODE REQUIREMENTS. PRELIMINARY ANNOTATIVE SET WAS REVIEWED WITH CITY OF ATLANTA ON 03/08/2022 BEFORE SUBMITTING FOR PERMIT.
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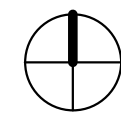


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Drawn by **DP** Reviewed by **LR**

Seal/Signature



Project
**GRADY LEGAL HALL HVAC
MODIFICATIONS AND HEALTH EQUITY
SUITE RENOVATION**

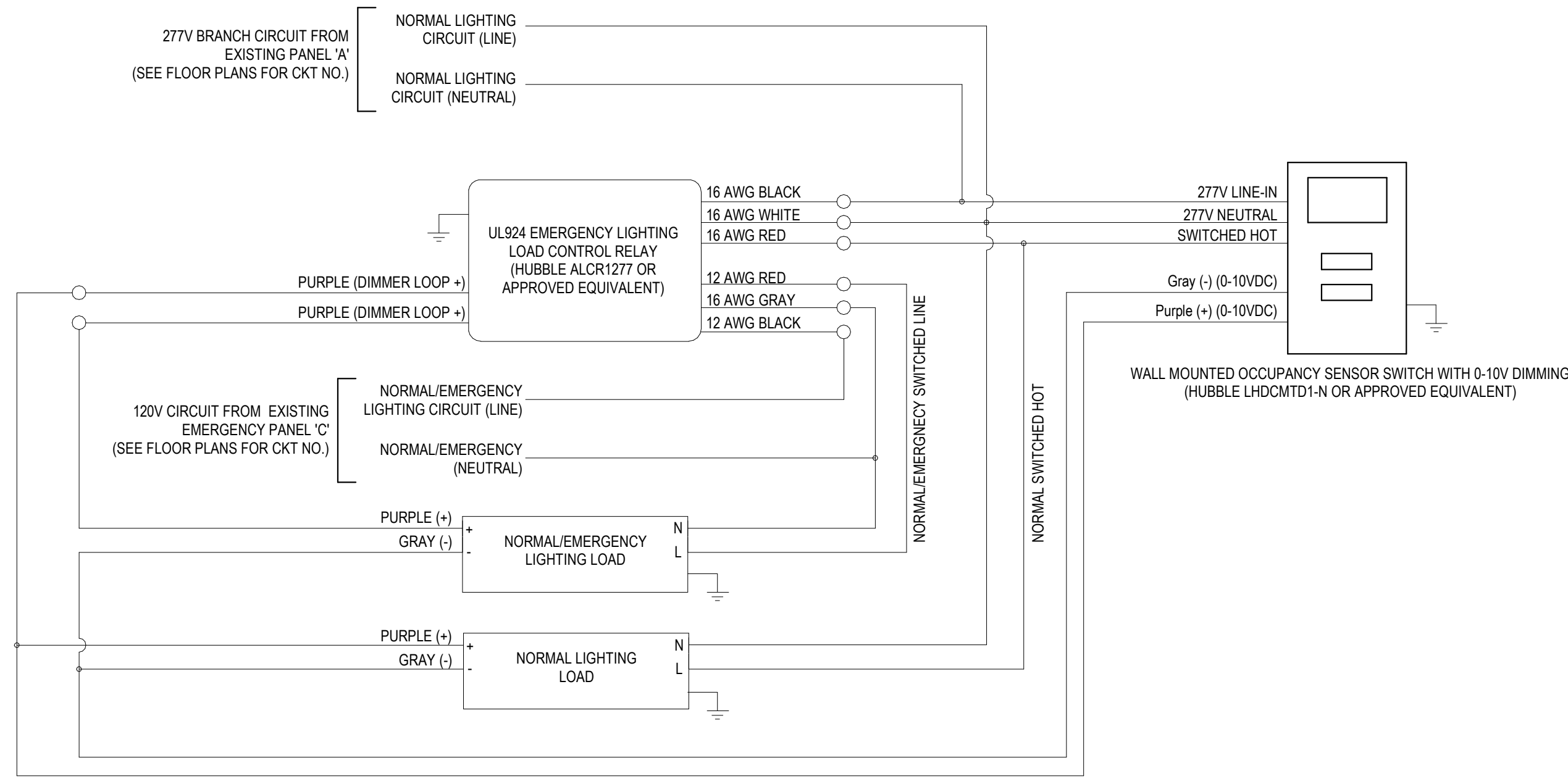
Project Number

Sheet Title
LEVEL 1 ELECTRICAL LIGHTING PLAN

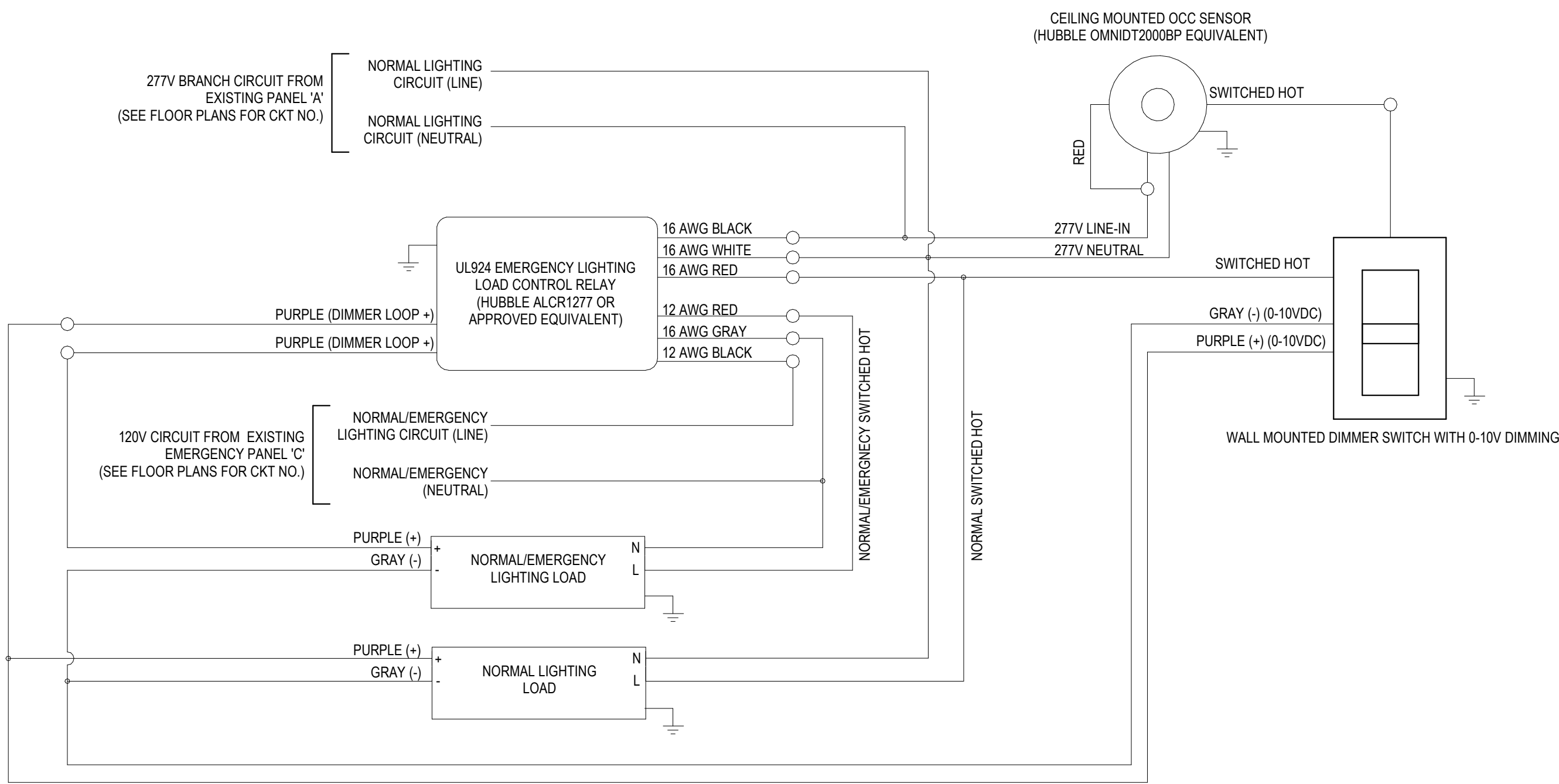
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1/4" = 1'-0"

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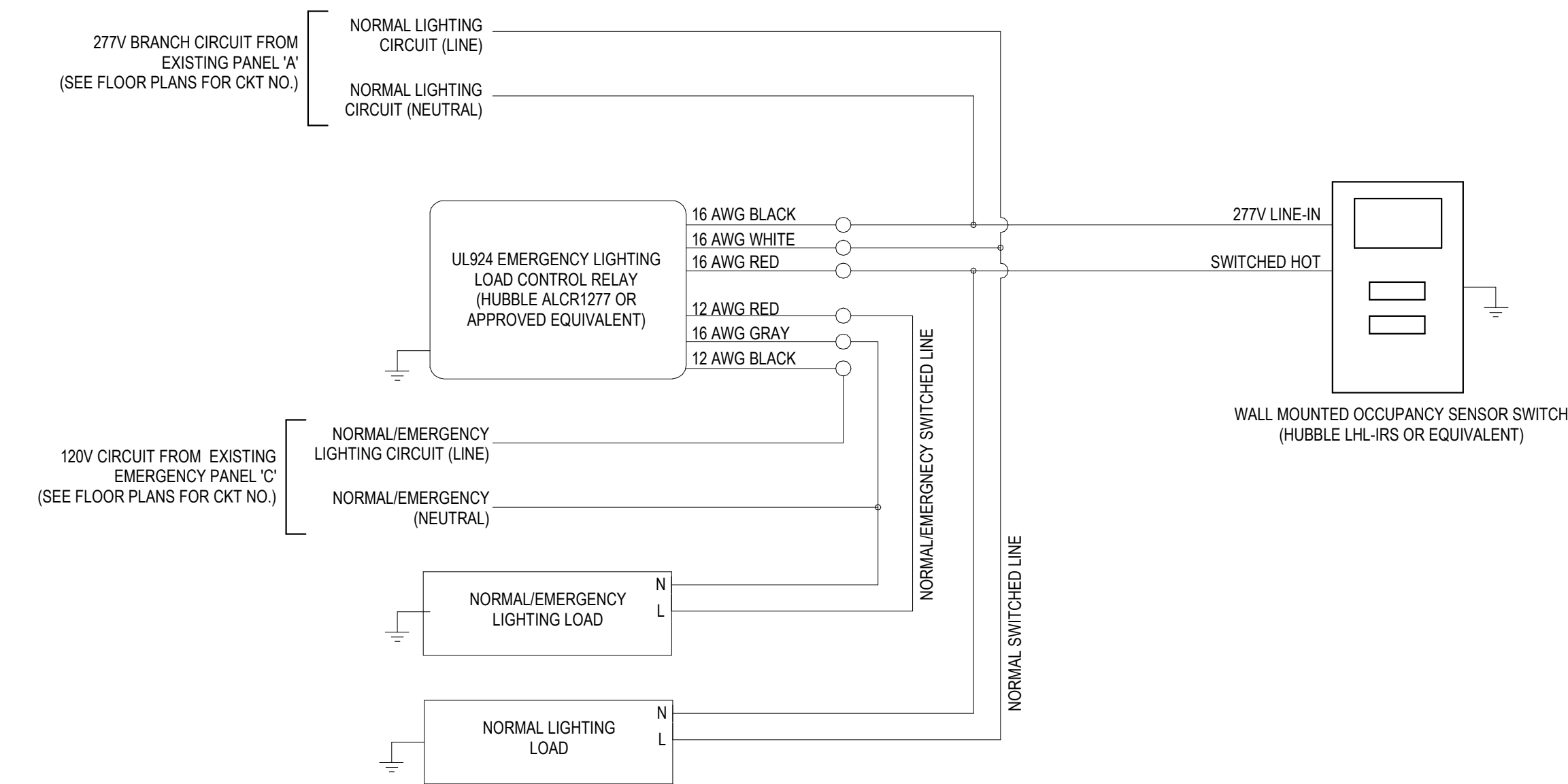
E.130



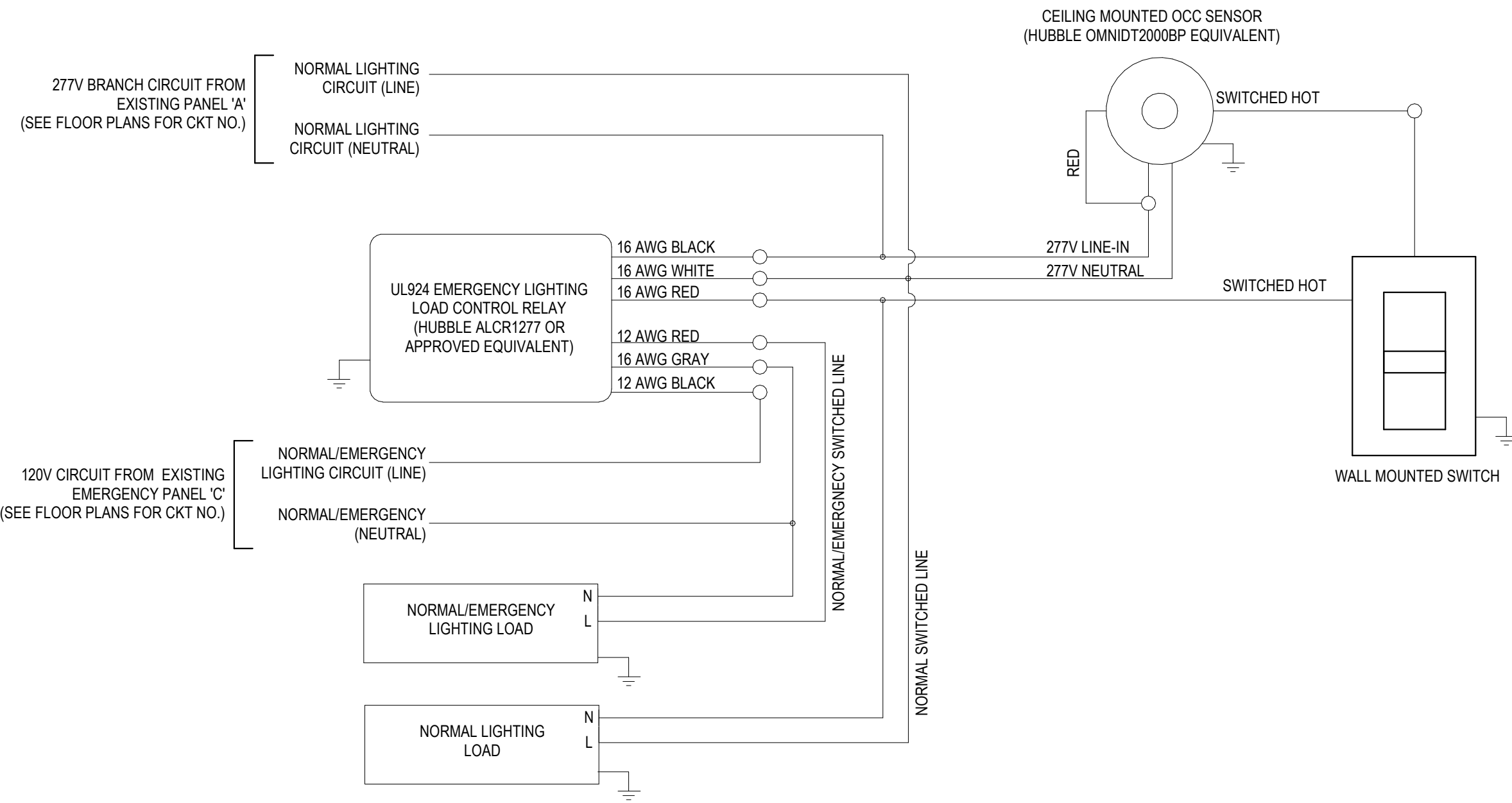
1 UL924 EMERGENCY LIGHTING LOAD CONTROL RELAY WIRING DIAGRAM (TYPICAL FOR ROOMS WITH WALL MOUNTED OCCUPANCY SENSOR DIMMER SWITCH)
N.T.S



2 UL924 EMERGENCY LIGHTING LOAD CONTROL RELAY WIRING DIAGRAM (TYPICAL FOR ROOMS WITH CEILING MOUNTED OCCUPANCY SENSOR AND WALL MOUNTED DIMMER SWITCH)
N.T.S



3 UL924 EMERGENCY LIGHTING LOAD CONTROL RELAY WIRING DIAGRAM (TYPICAL FOR ROOMS WITH CEILING MOUNTED OCCUPANCY SENSOR AND WALL MOUNTED OCCUPANCY SENSOR SWITCH)
N.T.S



4 UL924 EMERGENCY LIGHTING LOAD CONTROL RELAY WIRING DIAGRAM (TYPICAL FOR ROOMS WITH CEILING MOUNTED OCCUPANCY SENSOR AND WALL MOUNTED SWITCH)
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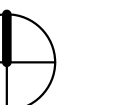


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Project:
GRADY LEGAL HALL HVAC
MODIFICATIONS AND HEALTH EQUITY
SUITE RENOVATION
Project Number

Sheet Title:
ELECTRICAL DETAILS

Scale:

N/A

Sheet Number

E.500

MDP												
BUSSING: 800A MAIN: 800AT/800AF MCB (LSI) AIC RATING: 65K AIC SCCA: 21.2KA			480Y/277 VOLTS, 3 PHASE, 4 WIRE							MOUNTING: SURFACE SECTIONS: 1 LOCATION: ELEC RM FED FROM: UTILITY		
CKT NO.	LOAD TYPE	LOAD DESCRIPTION	TRIP RATING	# OF POLES	A	B	C	# OF POLES	TRIP RATING	LOAD DESCRIPTION	LOAD TYPE	CKT NO.
1	--	ELEVATOR	--	3	--	472	--	471	--	--	T-B HVAC...	2
3	--	--	--	--	--	--	--	--	--	--	--	4
5	--	--	--	--	--	--	--	471	--	--	--	6
7	HVAC	T-C	100 A	3	3697	298	624	278	3	100 A	T-D HVAC...	8
9	--	--	--	--	--	--	--	--	--	--	--	10
11	--	--	--	--	--	--	--	599	281	--	--	12
13	Spare...	A	20 A	3	4568	133	--	--	3	20 A	EF-1 MTRS	14
15	--	--	--	--	--	--	466	133	--	--	--	16
17	--	--	--	--	--	--	346	133	--	--	--	18
19	HVAC	DOAS-1	20 A	3	1940	341	--	--	3	110 A	CJ-1 HVAC	20
21	--	--	--	--	--	--	194	341	--	--	--	22
23	--	--	--	--	--	--	194	341	--	--	--	24
25	HVAC	H-1	35 A	3	7150	715	715	715	3	35 A	H-2 HVAC	26
27	--	--	--	--	--	--	715	715	--	--	--	28
29	--	--	--	--	--	--	715	715	--	--	--	30
31	HVAC	H-3	35 A	3	7150	715	--	--	3	35 A	H-4 HVAC	32
33	--	--	--	--	--	--	715	715	--	--	--	34
35	--	--	--	--	--	--	715	715	--	--	--	36
37	--	SPACE	--	1	--	--	--	--	1	--	SPACE	38
39	--	SPACE	--	1	--	--	--	--	1	--	SPACE	40
41	--	SPACE	--	1	--	--	--	--	1	--	SPACE	42
PHASE A LOAD TOTAL					PHASE B LOAD TOTAL					PHASE C LOAD TOTAL		
117519.58 VA					118050.18 VA					116947.66 VA		
LOAD TYPE		CONNECTED LOAD	DEMAND FACTOR		ESTIMATED DEMAND							
HVAC		264635 VA	100.00%		264635 VA							
RCPTS		44340 VA	61.28%		27170 VA							
LTS		11629 VA	125.00%		14911 VA							
MTRS		5591 VA	117.85%		6588 VA							
HEAT		20160 VA	100.00%		20160 VA							
MISC		6008 VA	100.00%		6008 VA							
L		27 VA	125.00%		33 VA							

(EX) A													
BUSSING: 100A			480Y/277 VOLTS, 3 PHASE, 4 WIRE							MOUNTING: SURFACE			
MAIN: 100A MLO										SECTIONS: 1			
AIC RATING: EXISTING										LOCATION:			
SCCA: EXISTING										FED FROM: MDP			
CKT NO.	LOAD TYPE	LOAD DESCRIPTION	TRIP RATING	# OF POLES	A	B	C	# OF POLES	TRIP RATING	LOAD DESCRIPTION	LOAD TYPE	CKT NO.	
1	LTS	LTS - FIRST FLOOR (EX)	20 A	1	1000	10	--	1	20 A	(EX) LTS - BASEMENT CORRIDOR	LTS	2	
3	LTS	LTS - FIRST FLOOR (EX)	20 A	1	--	50	83	1	20 A	LTS - 3RD FLOOR CORRIDOR	LTS	4	
5	LTS, L	LTS - 3RD FLOOR OFFICES & RR	20 A	1	--	--	17	10	1	20 A	(EX) LTS - OUTSIDE	LTS	6
7	LTS	LTS - FIRST FLOOR (EX)	20 A	1	500	11	--	1	20 A	LTS - 2ND FLOOR CORRIDOR	LTS	8	
9	LTS	LTS - 2ND FLOOR COLLAB. RR. OFFICES	20 A	1	--	16	72	1	20 A	LTS - 4TH FLOOR CORRIDOR	LTS	10	
11	LTS	LTS - 4TH FLOOR OFFICES & RR	20 A	1	--	--	70	89	1	20 A	LTS - OFFICE 1-01	LTS	12
13	LTS	LTS - STAIRWELL (EX)	20 A	1	1000	0 VA	--	3	100 A	SPARE	--	14	
15	HEAT	STAIRWELL HEATER (EX)	20 A	1	--	10	0 VA	--	--	--	--	16	
17	--	SPARE	20 A	1	--	0 VA	0 VA	--	--	--	--	18	
19	--	SPARE	20 A	1	0	0 VA	--	1	20 A	SPARE	--	20	
21	--	SPARE	20 A	1	--	0 VA	0 VA	1	20 A	SPARE	--	22	
23	--	SPARE	20 A	1	--	0 VA	0 VA	0 VA	1	20 A	SPARE	24	
PHASE A LOAD TOTAL			PHASE B LOAD TOTAL							PHASE C LOAD TOTAL			
4588.46 VA			4663.41 VA							3461.92 VA			
LOAD TYPE			CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND						
LTS			11653 VA		125.00%		14567 VA						
HEAT			1000 VA		100.00%		1000 VA						
L			27 VA		125.00%		33 VA						
CONNECTED LOAD SUMMARY													
12685.19 VA													
15.23 A													
ESTIMATED DEMAND LOAD SUMMARY													
15584.86 VA													
18.75 A													

(EX) B														
BUSSING: 225			208Y/120 VOLTS, 3 PHASE, 4 WIRE							MOUNTING: SURFACE				
MAIN: 225A MLO										SECTIONS: 1				
AIC RATING: EXISTING										LOCATION:				
SCCA: EXISTING										FED FROM: T-B (EX)				
CKT NO.	LOAD TYPE	LOAD DESCRIPTION	TRIP RATING	# OF POLES	A	B	C	# OF POLES	TRIP RATING	LOAD DESCRIPTION	LOAD TYPE	CKT NO.		
1	HVAC	PANEL "B1" (EX)	100 A	3	8574	10	--	--	1	20 A	(EX) RCPTS - RMS 100.114.116	RCPTS	2	
3	--	--	--	--	--	67	10	--	1	20 A	(EX) RCPTS - RMS 102.117	RCPTS	4	
5	--	--	--	--	--	--	56	10	1	20 A	RCPTS - RM 104	RCPTS	6	
7	RCPTS	RCPTS - RM 109 (EX)	20 A	1	1080	14	--	--	1	20 A	RCPTS - RM 220	RCPTS	8	
9	RCPTS	RCPTS RMS 203, 202 (EX)	20 A	1	--	14	36	--	1	20 A	(EX) RCPTS - RMS 220.219.216	RCPTS	10	
11	RCPTS	RCPTS - RMS 204, 205 (EX)	20 A	1	--	--	14	10	1	20 A	(EX) RCPTS - RMS 208, 209	RCPTS	12	
13	RCPTS	RCPTS - RM 213, 212 (EX)	20 A	1	1440	10	--	--	1	20 A	(EX) RCPTS - RM 201	RCPTS	14	
15	RCPTS	RCPTS - RMS 106, 107, 108 (EX)	20 A	1	--	10	72	--	1	20 A	(EX) RCPTS - RM 314	RCPTS	16	
17	RCPTS	RCPTS - RMS 222, 221 (EX)	20 A	1	--	--	36	14	1	20 A	(EX) RCPTS - RMS 302, 303	RCPTS	18	
19	RCPTS	RCPTS - RM 206 (EX)	20 A	1	900	10	--	--	1	20 A	(EX) RCPTS - RM 301, 304	RCPTS	20	
21	RCPTS	RCPTS - RM 211, 210 (EX)	20 A	1	--	14	10	--	1	20 A	(EX) RCPTS - RMS 309, 310	RCPTS	22	
23	RCPTS	RCPTS - RMS 215, 216 (EX)	20 A	1	--	--	14	12	1	20 A	(EX) RCPTS - RM 313, 315, 312, 316	RCPTS	24	
25	MTRS	DAMPER MOTORS (EX)	20 A	1	500	10	--	--	1	20 A	(EX) RCPTS - RM 311	RCPTS	26	
27	MTRS	EXHAUST FAN (EX)	20 A	1	--	20	18	--	1	20 A	(EX) ELEVATOR PIT	RCPTS	28	
29	MTRS	EXHAUST FAN (EX)	20 A	1	--	--	20	50	--	--	(EX) HEAT TAPE	HEAT	30	
31	MTRS	EXHAUST FAN (EX)	20 A	1	200	50	--	--	1	20 A	(EX) TEL EQUIPMENT	MISC	32	
33	MISC	CONDENSATE CHILLER	20 A	1	--	18	30	--	3	20 A	(EX) WATER HEATER	HEAT	34	
35	RCPTS	DRINKING FOUNTAIN 1ST FLOOR (EX)	20 A	1	--	--	18	30	--	--	--	--	36	
37	HEAT	HEAT TAPE (EX)	20 A	1	500	30	--	--	--	--	--	--	38	
39	HVAC	AHU 2ND/3RD FLOOR (EX)	60 A	3	--	37	37	--	3	60 A	(EX) AHU 1ST/3RD FLOOR	HVAC	40	
41	--	--	--	--	--	--	37	37	--	--	--	--	42	
43	--	--	--	--	--	3700	37	--	--	--	--	--	44	
45	HEAT	EW-H-1 (EX)	30 A	2	--	20	90	--	1	20 A	(EX) RCPTS - RMS 307, 309	RCPTS	46	
47	--	--	--	--	--	--	20	10	1	20 A	(EX) RCPTS - RM 316	RCPTS	48	
PHASE A LOAD TOTAL					PHASE B LOAD TOTAL					PHASE C LOAD TOTAL				
26854.4 VA					27870.4 VA					28164 VA				
LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND											
HVAC	27109 VA	100.00%	27109 VA											
RCPTS	42840 VA	61.67%	26420 VA											
MTRS	1100 VA	111.36%	1225 VA											
HEAT	14160 VA	100.00%	14160 VA											
MISC	680 VA	100.00%	680 VA											
CONNECTED LOAD SUMMARY														
85888.8 VA														
238.4 A														
ESTIMATED DEMAND LOAD SUMMARY														
69593.8 VA														
193.17 A														

LUMINAIRE SCHEDULE						
Type	Manufacturer	Model	Voltage	Mounting Method	Apparent Load	Description
A1	COOPER LIGHTING	24FPSL2SCT3-350 0K-Low	120V	RECESSED	27 VA	2' X 4' VOLUMETRIC DIRECT/INDIRECT LUMINAIRE WITH CENTER LENSE, GAUGE COLO ROLLED STEEL, AND MATTE WHITE FINISH. ROLLED STEEL, AND MATTE WHITE FINISH.
A2	LITHONIA	STAKP-24-3000LM -80-30K-COLT-MIN 1-EXT-MOVOLT-S-LD-	120V	SURFACE	22 VA	2' X 4' VOLUMETRIC DIRECT/INDIRECT LUMINAIRE WITH CENTER LENSE, GAUGE COLO ROLLED STEEL, AND MATTE WHITE FINISH. ROLLED STEEL, AND MATTE WHITE FINISH.
D	GOTHAM	IV06S-D-18LM-35 K40CR4-MID-MIN1 04VOLT	120V	RECESSED	13 VA	6" LED ROUND DOWNLIGHT
L	VODE	807-NX3-SL...AE -120V-0-2-L-0-3S	120V	SURFACE	13 VA	NEXA 3/8" LINEAR SURFACE MOUNT FIXTURE (IF POSSIBLE, MATCH LINEAR LIGHT ON UPPER FLOORS), CRITICAL EDGE, CLEAR ANODIZED
X1	LIGHTALARMS	SLEDN-A-R-C-D-	120V	SURFACE/CEILING	5 VA	UNIVERSAL MOUNT EDGE LIT EXIT SIGN, RED LETTERING



COMcheck Software Version COMcheckWeb Interior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: Grady Georgia Hall Level 1
Project Type: Alteration

Construction Site:
36 Butler Street, S.E.
Atlanta, Georgia 30335

Owner/Agent:
GRADY

Designer/Contractor:
WSP

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts
1-Common Space Types:Office - Enclosed	2494	0.93	2319
		Total Allowed Watts =	2319

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixture	D Watt. (C X D)	E
Common Space Types:Office - Enclosed (2494 sq.ft.)				
A2: LED Panel 33W:	1	29	22	638
A1: LED Panel 33W:	1	3	27	81
D: LED Other Fixture Unit 13W:	1	3	13	39
L: LED Linear 15W:	1	71	13	923
		Total Proposed Watts =	1681	

Interior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Alex Brumfield - Senior Consultant, Electrical Engineering
Name - Title

Signature

3/18/2024
Date



Electrical Testing, Incorporated
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Georgia Hall Ground Readings:

Upon visual inspection it appears to have a 4/0 ground from existing switchgear that runs to the outside earth. It is undetermined how many ground rods are installed or length between ground rods because all grounding material is below ground. ETI was able to use a clamp-on ground tester (AEMC Clamp-on Ground Tester) to record a 13.1ohms reading which meets NETA standards of 25ohms or less.

Sincerely,

Electrical Testing, Incorporated

Billy Davis

Billy Davis
Project Manager

D														
BUSSING: 600A MAIN: 225AT/225AF MCB (LSI) AIC RATING: 22kAIC SCCA: 12.7kA					208Y/120 VOLTS, 3 PHASE, 4 WIRE					MOUNTING: SURFACE SECTIONS: 1 LOCATION: ELEC RM FED FROM: T-D				
CKT NO.	LOAD TYPE	LOAD DESCRIPTION	TRIP RATING	# OF POLES	A	B	C	# OF POLES	TRIP RATING	LOAD DESCRIPTION	LOAD TYPE	CKT NO.		
1	HVAC	ODU-1	70 A	3	7458 714			3	60 A	ODU-2 A	HVAC	2		
3	--	--	--	--		745 714		--	--	--	--	4		
5	--	--	--	--			745 714	--	--	--	--	6		
7	HVAC	ODU-2 B	70 A	3	7458 110			3	100 A	ODU-3 A	HVAC	8		
9	--	--	--	--		745 110		--	--	--	--	10		
11	--	--	--	--			745 110	--	--	--	--	12		
13	HVAC	ODU-3 B	100 A	3	11012 222			2	20 A	AC-1-01B	HVAC	14		
15	--	--	--	--		110 222		--	--	--	--	16		
17	--	--	--	--			110 222	2	20 A	AC-1-02	HVAC	18		
19	HVAC	AC-1-01A	20 A	2	222 222			--	--	--	--	20		
21	--	--	--	--		222 182		2	20 A	AC-1-04	HVAC	22		
23	HVAC	AC-1-03	20 A	2			182 182	2	20 A	--	--	24		
25	--	--	--	--	182 25 VA			2	20 A	AC-1-06	HVAC	26		
27	HVAC	AC-1-05	20 A	2		182 25 VA		2	20 A	--	--	28		
29	--	--	--	--			182 0 VA	1	20 A	SPARE	--	30		
31	--	SPARE	20 A	1	0 0 VA			1	20 A	SPARE	--	32		
33	--	SPARE	20 A	1		0 VA 0 VA		1	20 A	SPARE	--	34		
35	--	SPARE	20 A	1			0 VA 0 VA	1	20 A	SPARE	--	36		
37	--	SPARE	20 A	1	0 224			3	100 A	PANEL D1 HVAC	--	38		
39	--	SPARE	20 A	1		0 VA 224		--	--	--	--	40		
41	--	SPARE	20 A	1			0 VA 234	--	--	--	--	42		
PHASE A LOAD TOTAL					PHASE B LOAD TOTAL					PHASE C LOAD TOTAL				
47201.5 VA					47161.98 VA					47194.22 VA				
LOAD TYPE		CONNECTED LOAD	DEMAND FACTOR		ESTIMATED DEMAND									
HVAC		141558 VA	100.00%		141558 VA									
CONNECTED LOAD SUMMARY														
141557.7 VA														
392.92 A														
ESTIMATED DEMAND LOAD SUMMARY														
141557.7 VA														
392.92 A														

D1														
BUSSING: 100A MAIN: 100AT/100AF MCB (LSI) AIC RATING: 22kAIC SCCA: 12.7kA					208Y/120 VOLTS, 3 PHASE, 4 WIRE					MOUNTING: SURFACE SECTIONS: 1 LOCATION: ELEC RM FED FROM: D				
CKT NO.	LOAD TYPE	LOAD DESCRIPTION	TRIP RATING	# OF POLES	A	B	C	# OF POLES	TRIP RATING	LOAD DESCRIPTION	LOAD TYPE	CKT NO.		
1	HVAC	AC-1-07	20 A	2	222 46 VA			2	20 A	AC-1-08	HVAC	2		
3	--	--	--	--	--	222 46 VA		--	--	--	--	4		
5	HVAC	AC-1-09	20 A	2	182 182	182 182	2	2	20 A	AC-1-10	HVAC	6		
7	--	--	--	--	--	--	182 182	--	--	--	--	8		
9	HVAC	AC-2-01	20 A	2	182 222	182 222		2	20 A	AC-2-02	HVAC	10		
11	--	--	--	--	--	--	182 222	--	--	--	--	12		
13	HVAC	AC-2-03	20 A	2	182 222			2	20 A	AC-2-04	HVAC	14		
15	--	--	--	--	--	182 222		--	--	--	--	16		
17	HVAC	AC-2-05	20 A	2	182 222	182 222	2	2	20 A	AC-2-06	HVAC	18		
19	--	--	--	--	182 222	--	--	--	--	--	--	20		
21	HVAC	AC-2-07	20 A	2	222 182	222 182		2	20 A	AC-2-08	HVAC	22		
23	--	--	--	--	--	--	182 222	--	--	--	--	24		
25	HVAC	AC-2-09	20 A	2	182 222			2	20 A	AC-2-10	HVAC	26		
27	--	--	--	--	--	182 222		--	--	--	--	28		
29	HVAC	AC-2-11	20 A	2	222 182	222 182		2	20 A	AC-2-12	HVAC	30		
31	--	--	--	--	222 182	--	--	--	--	--	--	32		
33	HVAC	AC-2-17A	20 A	2	182 182	182 182		2	20 A	AC-2-17B	HVAC	34		
35	--	--	--	--	--	--	182 182	--	--	--	--	36		
37	--	SPARE	20 A	1	0 0 VA			1	20 A	SPARE	--	38		
39	--	SPARE	20 A	1	0 VA 0 VA	0 VA 0 VA		1	20 A	SPARE	--	40		
41	--	SPARE	20 A	1		0 VA 0 VA	0 VA 0 VA	1	20 A	SPARE	--	42		
PHASE A LOAD TOTAL					PHASE B LOAD TOTAL					PHASE C LOAD TOTAL				
2245.36 VA					2245.36 VA					2242.08 VA				
LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND											
HVAC	6833 VA	100.00%	6833 VA											
CONNECTED LOAD SUMMARY														
6832.8 VA														
18.97 A														
ESTIMATED DEMAND LOAD SUMMARY														
6832.8 VA														
18.97 A														

D2														
BUSSING: 100A MAIN: 100A MLO AIC RATING: 22kAIC SCCA: 12.7kA					208Y/120 VOLTS, 3 PHASE, 4 WIRE					MOUNTING: SURFACE SECTIONS: 1 LOCATION: FED FROM:				
CKT NO.	LOAD TYPE	LOAD DESCRIPTION	TRIP RATING	# OF POLES	A	B	C	# OF POLES	TRIP RATING	LOAD DESCRIPTION	LOAD TYPE	CKT NO.		
1	HVAC	AC-3-01	20 A	2	300 222	300 222		2	20 A	AC-3-02	HVAC	2		
3	--	--	--	--	--	--	--	--	--	--	--	4		
5	HVAC	AC-3-03	20 A	2	182 222	182 222		2	20 A	AC-3-04	HVAC	6		
7	--	--	--	--	--	--	--	--	--	--	--	8		
9	HVAC	AC-3-05	20 A	2	300 222	300 222		2	20 A	AC-3-06	HVAC	10		
11	--	--	--	--	--	--	--	--	--	--	--	12		
13	HVAC	AC-3-07	20 A	2	182 182	182 182		2	20 A	AC-3-08	HVAC	14		
15	--	--	--	--	--	--	--	--	--	--	--	16		
17	HVAC	AC-3-09	20 A	2	222 222	222 222		2	20 A	AC-3-10	HVAC	18		
19	--	--	--	--	--	--	--	--	--	--	--	20		
21	HVAC	AC-3-14A	20 A	2	182 182	182 182		2	20 A	AC-3-14B	HVAC	22		
23	--	--	--	--	--	--	--	--	--	--	--	24		
25	HVAC	AC-2-17C	20 A	2	222 222	222 222		2	20 A	AC-2-20	HVAC	26		
27	--	--	--	--	--	--	--	--	--	--	--	28		
29	HVAC	AC-3-21	20 A	2	300 456	300 456		2	20 A	AC-3-24	HVAC	30		
31	--	--	--	--	--	--	--	--	--	--	--	32		
33	HVAC	AC-2-38	20 A	2	456 0 VA	456 0 VA		1	20 A	SPARE	--	34		
35	--	--	--	--	--	--	--	--	--	--	--	36		
37	--	SPARE	20 A	1	0 0 VA	0 VA 0 VA		1	20 A	SPARE	--	38		
39	--	SPARE	20 A	1	0 0 VA	0 VA 0 VA		1	20 A	SPARE	--	40		
41	--	SPARE	20 A	1	0 0 VA	0 VA 0 VA		1	20 A	SPARE	--	42		
PHASE A LOAD TOTAL					PHASE B LOAD TOTAL					PHASE C LOAD TOTAL				
2529.68 VA					2668.64 VA					2942.16 VA				
LOAD TYPE		CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND								
HVAC		8540 VA		100.00%		8540 VA								