

PANEL		A		VOLTAGE		120 / 240		V		SIZE		400A MLO		CABINET		SURFACE		NEMA-1	
SQD NQOD OR EQUAL		PHASE		3		PH		400A		BUS		RATING		22,000A		AIC RATED			
		4		W															
NOTES	REMARKS	CKT.BKR		VA PHASE LOAD		#	L	O	A	B	#	L	O	A	B	AMPS	P	REMARKS	NOTES
		AMPS	P	A	B														
	FRIDGE	20	1	800		1	X				2			3840				ELEVATOR MOTOR	
	HEATING CABINET	20	1			1000	3		X	4						3840	40	2	SHUNT TRIP
G	ICE MAKER	20	1	500		5	X			6									
	BREAK RM GFCI	20	1			360	7		X	8				800		20	1	ELEVATOR LIGHTS	
G	DISPOSAL	20	1	800		9	X			10								SHUNT TRIP	
	BREAK RM GFCI	20	1			360	11		X	12				1000		20	1	VENDING MACHINE	G
	BREAK RM GFCI	20	1	360		13	X			14			360					SERVICE RECPTS	
	BREAK RM GFCI	20	1			360	15		X	16				300		20	1	PHONEBOARD	
	BREAK RM GFCI	20	1	360		17	X			18			360					STORAGE RECPTS	
G	DISH WASHER	20	1			1000	19		X	20				370		20	1	WATER FOUNTAIN	G
G	DISPOSAL	20	1	800		21	X			22			200					FAUCETS & SOAP	G
	2ND FL PRINTER	20	1			1000	23		X	24				360		20	1	ELEV. LOBBY RECPTS	
	2ND FL FRIDGE	20	1	800		25	X			26			540					ASSEMBLY RECPTS	
	2ND FL OFFICE	20	1			900	27		X	28				600		20	1	ASSEMBLY PROJECTOR	
	2ND FL OFFICE	20	1	540		29	X			30			720					ASSEMBLY RECPTS	
	2ND FL OFFICE	20	1			1080	31		X	32				540		20	1	2ND FL RECPTS	
	2ND FL OFFICE	20	1	720		33	X			34			600					2ND FL PROJECTOR	
	SPARE	20	1			35		X		36				720		20	1	CLASSROOM RECPTS	
	SPARE	20	1			37	X			38								SPARE	
	SPARE	20	1			39		X		40								SPARE	
	SPARE	20	1			41	X			42								SPARE	
	SPARE	20	1			43	X			44								SPARE	
	SPARE	20	1			45		X		46								SPARE	
	SPARE	20	1			47	X			48								SPARE	
	SPARE	20	1			49		X		50								SPARE	
	SPARE	20	1			51	X			52								SPARE	
	SPARE	20	1			53		X		54								SPARE	
	SPARE	20	1			55	X			56								SPARE	
	SPARE	20	1			57		X		58								SPARE	
	SPARE	20	1			59	X			60								SPARE	
	SPARE	20	1			61		X		62								SPARE	
	SPARE	20	1			63	X			64								SPARE	
	FCU-1	15	2	336		336	65		X	66				3000		40	2	EWI-1	
						67	X			68			3000						
	FCU-2	15	2	336		336	69		X	70				427		15	2	FCU-4	
						71	X			72			427						
	FCU-3	15	2	540		540	73		X	74				300		15	2	FCU-5	
						75	X			76			300						
	CU-1	50	2	4800		4800	77		X	78				300		15	2	FCU-6	
						79	X			80			300						
	CU-2	50	2	4800		4800	81		X	82						30	2	SURGE PROTECTION	
						83	X			84									
	TOTAL			16492		16872							10647			12557	TOTAL		

G = GFCI CIRCUIT BREAKER

NOTE:
CONTRACTOR IS RESPONSIBLE FOR UPDATING ALL PANEL SCHEDULES
WITH CURRENT DESCRIPTIONS OF ALL BRANCH CIRCUIT DESIGNATIONS.

TABULATION	TOTAL LOAD	DEMAND FACTOR	DEMAND LOAD
MEASURED			
LIGHTING	800	1.25	1000
COOLING	19200		
HEATING	23678	1.00	23678
RECEPTACLE	8640	1.00	8640
MISCELLANEOUS	23450	1.00	23450
LARGEST MOTOR			
TOTAL DEMAND LOAD		56768	VA
TOTAL DEMAND AMPS		136.6	A

MECHANICAL EQUIPMENT														
	DESCRIPTION	ELECTRICAL CHARACTERISTICS					CIRCUIT DESIGNATION	BREAKER		FEEDER	EQUIP. GROUND	CONDUIT	DISCONNECT SWITCH	REMARKS
		VOLTS	PHASE	KW	HP	MCA		AMPS	POLES					
CU-1	CONNECTION #1	240	1			47.5	A-77.79	50	2	(3)#8	#10	3/4"	60A/2P/NF/N3R	
	CONNECTION #2	240	1			47.5	A-81.83	50	2	(3)#8	#10	3/4"	60A/2P/NF/N3R	
	FCU-1	240	1			2.8	A-65.67	15	2	(2)#12	#12	1/2"	30A/2P/NF/N1	
	FCU-2	240	1			2.8	A-69.71	15	2	(2)#12	#12	1/2"	30A/2P/NF/N1	
	FCU-3	240	1			4.5	A-73.75	15	2	(2)#12	#12	1/2"	30A/2P/NF/N1	
	FCU-4	240	1			3.6	A-70.72	15	2	(2)#12	#12	1/2"	30A/2P/NF/N1	
	FCU-5	240	1			2.3	A-74.76	15	2	(2)#12	#12	1/2"	30A/2P/NF/N1	
	FCU-6	240	1			2.2	A-78.80	15	2	(2)#12	#12	1/2"	30A/2P/NF/N1	
	CU-A	240	1			19.0	A-62.64	25	2	(2)#10	#10	3/4"	30A/2P/NF/N3R	
	AC-A	240	1				POWER AND CONTROL FROM CU-A (SEE NOTE #1)							
	EF-1	120	1				PROVIDE POWER & CONTROL VIA LOCAL LIGHTING CIRCUIT	(2)#12	#12	1/2"	20A/1P SNAP			
	EF-2	120	1					(2)#12	#12	1/2"	20A/1P SNAP			
	EWI-1	240	1	6		31.3	A-66.68	40	2	(2)#8	#10	3/4"	60A/2P/NF/N1	

1. POWER AND CONTROL WIRES FOR INDOOR UNIT SHALL BE PROVIDED , INSTALLED AND CONNECTED BY MECHANICAL CONTRACTOR

FIXTURE SCHEDULE

TYPE	MANUFACTURER	DESCRIPTION	MODEL PART #	MOUNTING	CCT	VOLTAGE	WATTAGE	DIMMING	REMARKS
A	BARBICAN	4IN DIAMETER LINEAR PENDANT, 360 ILLUMINATED TUBE, HORIZONTAL SUSPENSION	22-S HPC3 4D 48L (20FT) ACM SCDL UNV FINISH FINISH 0800 3500K 90CRI 5010V10	SUSPENDED	35K	120	32	0-10V	32W PER 4FT FIXTURE SECTION
B	HE WILLIAMS	4FT LED SURFACE MOUNTED LENSED STRIP	75R 4 L50 935 DIM UNV	SURFACE	35K	120	33	0-10V	
B1	HE WILLIAMS	2FT LED SURFACE MOUNTED LENSED STRIP	75R 2FT L25 935 DIM UNV	SURFACE	35K	120	33	0-10V	
C1	TRULY GREEN	LED 2X2 WITH FIELD SELECTABLE OUTPUT AND FIELD SELECTABLE COLOR TEMPERATURE	EA-P 22 L C U D M	RECESSED	35K	120	40	0-10V	
D2	LUXBOX	45" DIAMETER ACOUSTICAL PENDANT, PET AND FELT, 1680 LUMENS, WHITE CORD	LX-WPD-XLB- COLOR - O 35-UNV-CCD - white cord	SUSPENDED	35K	120	24	0-10V	
D3	LUXBOX	24" DIAMETER ACOUSTICAL PENDANT, PET AND FELT, 1680 LUMENS, WHITE CORD	LX-WPU-L- COLOR - O 35-UNV-CCD - white cord	SUSPENDED, 8FT AFF	35K	120	22	0-10V	
D4	LUXBOX	36" DIAMETER ACOUSTICAL PENDANT, PET AND FELT, 5133 LUMENS, WHITE CORD	LX-WPU-L- COLOR - O 35-UNV-CCD - white cord	SUSPENDED, 8FT AFF	35K	120	59	0-10V	
F	HE WILLIAMS	4IN RECESSED LED DOWNLIGHT, 90CRI, WHITE TRIM	4DR-TL-15 9 35 DIM UNV R W OF WH MWT N	LED	35K	120	9	0-10V	
F1	HE WILLIAMS	4IN RECESSED LED DOWNLIGHT, 90CRI, WHITE TRIM	4DR-TL-10 9 35 DIM UNV R W OF WH MWT N	LED	35K	120	14	0-10V	
G	BARBICAN	2" DIAMETER FROSTED LENS TUBE PENDANT, HORIZONTAL SUSPENSION	25-S-48L-ACM-SCDL-UNV-FINISH-FINISH-0800 3500K 90CRI 5010V10	LED	35K	120	7WFT	0-10V	
GW	EVERGREEN	LED GOOSENECK	TS14BLE15	LED	35K	120	25	ON/OFF	
U	DIODE	LED TAPELIGHT IN SURFACE MOUNT SLIM EXTRUSION, CONTRACTOR TO COORDINATE WITH MILWORK FOR RUN LENGTHS	DI-12V-BLX1-35-016 - SL	LED	35K	120	1.5WFT	ON/OFF	REMOTE DRIVER , UNDERCABINET
EP	BEGHELLI	LED VAPORTIGHT, NEMA 4X	BS100LED-X 4 HT LO W140 120277	LED	40K	120	80	ON/OFF	4' STRIP LIGHT FOR ELEVATOR SHAFT,
P1	SIGNIFY	4' LENSED STRIP	FSSEZ 4 40L 840 UNV DIM	LED	40K	120	30	ON/OFF	4' STRIP FOR SHELL SPACES & BOH
P8	SIGNIFY	8' LENSED STRIP	FSSEZ 8 80L 840 UNV DIM	LED	40K	120	40	ON/OFF	8' STRIP BOH
R	METALUMEN	LED MULLION MOUNTED LINEAR FIXTURE, MUST HAVE INDEPENDENT CONTROL OF UPLIGHT AND DOWNLIGHT, WET LOCATION RATED, IP54, NANATORIUM FINISH, CONSTRUCTED OF CORROSION RESITANT COMPONENTS	S4W-DI 40K 6 MBMB FINISH 100 UD M 4	LED	40K	120	60	2 CIRCUIT on/off	
X1	BEGHELLI	EDGEKIT EXIT, CONTRACTOR TO CONFIRM MOUNTING AND SIDES	OL2 SA LG C MOUNTING	LED	GREEN	120277	2	ON/OFF	WITH 90-MINUTE BATTERY BACK-UP.

NOTES:
CONTACT BRITTANY DYTTRYCH @ SESCO LIGHTING 708.341.8905 DYTTRYCH@SESCOLIGHTING.COM

1. The specified fixtures have been selected based on photometric performance, electrical characteristics, visual comfort and aesthetic interpretation and as such any contractor wishing to propose alternate fixtures must submit such request, in writing, TEN (10) work days prior to bid. The request shall include two complete sets of color catalog out sheets of all fixtures for review. Approvals shall only be issued by the architect in the form of an addendum to the bid documents.
2. Final fixture colors and finishes shall be selected and approved by owner/architect

THE WAREHOUSE
A RENOVATION AT:
1916 E 136 AVE
TAMPA, FL 33613
FOR:
UNIVERSITY AREA COMMUNITY
DEVELOPMENT CORP (UACDC)

NO.	ISSUE DESCRIPTION	DATE
05	100% CD SET	02-21-24
06	HILLS CITY PPR	06-13-24
07	PERMIT SET	09-25-24
08	PERMIT SET REV 01	01-06-25
09	BIDDING DOCUMENTS	04-18-25

PROFESSIONAL SEAL

DRAWN: WG
REVIEWED: WG
PROJECT NO: 1805

ELECTRICAL
SCHEDULES

E0.1

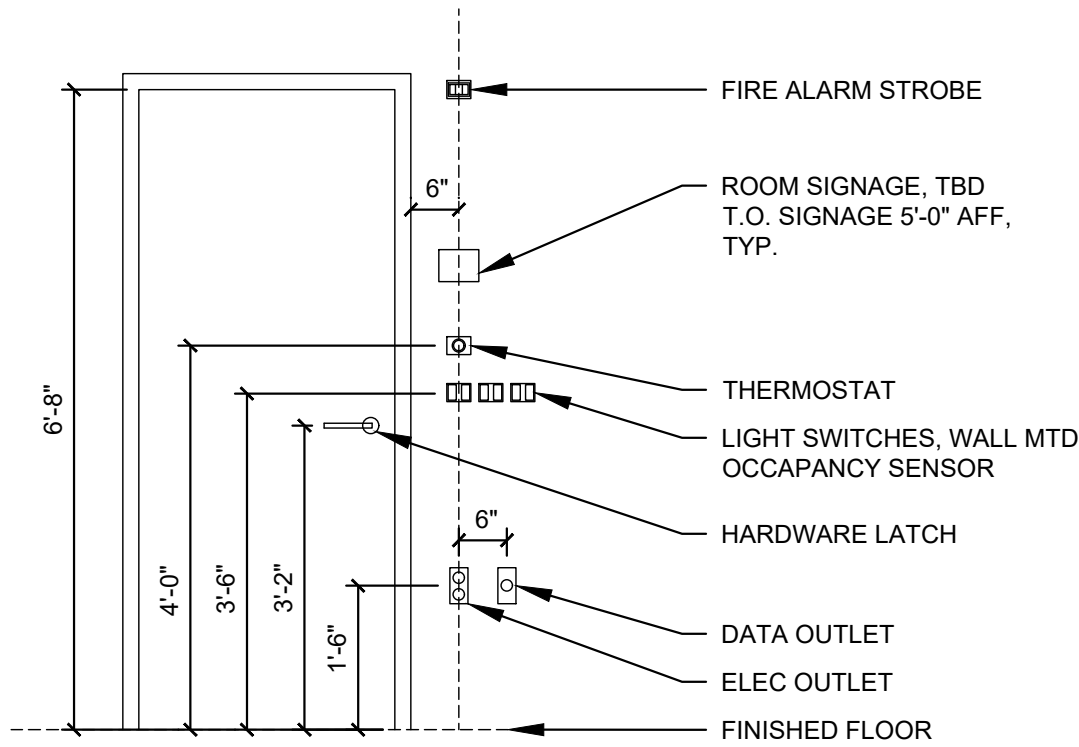


POWER & DATA GENERAL NOTES

- CONTRACTOR SHALL MAKE NO CHANGES, ESPECIALLY IN OUTLET LOCATIONS WITHOUT PRIOR APPROVAL OF ARCHITECT.
- COORDINATE OUTLETS WITH CABINETRY IN ALL LOCATIONS.
- CONTRACTOR IS TO VERIFY LOCATIONS OF STRUCT SYSTEMS WHERE CORING IS INDICATED ON THE PLANS. IF CONFLICT OCCURS, CONTACT THE ARCHITECT FOR DIRECTION PRIOR TO COMMENCEMENT OF WORK.
- FLOOR OUTLETS ARE TO BE FLUSH MOUNTED.
- SURVEY FIELD CONDITIONS AND VERIFY THAT WORK IS FEASIBLE AS SHOWN. VERIFY LOCATION OF ALL OUTLETS IN RELATION TO STRUCT AND OTHER ELEMENTS AS REQUIRED. NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
- ARCHITECTURAL DRAWINGS DETERMINE LOCATION AND TYPE OF ALL OUTLETS. GC TO PROVIDE WIRING LAYOUT AND INSTALLATION IN COMPLIANCE WITH ALL LAWS APPLICABLE AND ENFORCEABLE BY GOVERNING AUTHORITIES.
- OUTLETS SHOWN BACK TO BACK ON PARTITION WALLS SHALL BE OFFSET 8" OC, OR MOUNTED AT DIFFERENT HEIGHTS AS INDICATED.
- CONTRACTOR IS TO CONFIRM MANUFACTURER'S ELECTRICAL REQUIREMENTS FOR APPLIANCES AND EQUIPMENT SPECIFIED WHETHER PROVIDED BY THE CONTRACTOR OR BY THE OWNER. IF ELECTRICAL REQUIREMENTS CONTAINED IN THE CONTRACT DOCUMENTS ARE IN CONFLICT WITH THE MANUFACTURER'S REQUIREMENTS, CONTACT ENGINEER PRIOR TO INSTALLATION.
- FURNISH AND INSTALL UNDERWRITER'S LABORATORY, INC. (UL) LABELED DEVICES THROUGHOUT.
- ELECTRICAL SWITCH AND OUTLET COVER PLATES, SURFACE HARDWARE, ETC SHALL BE INSTALLED AFTER PAINTING AND/OR APPLICATION OF WALL COVERINGS & CARPET SPECIFIED.
- FURNISH AND INSTALL ALL FIXTURES, ASSOCIATED TRIM AND FIXTURE LAMPS AS REQUIRED.
- COORDINATE POWER / DATA DEVICE & LIGHT FIXTURE MOUNTING LOCATIONS WITH INTERIOR ELEVATIONS, FINISHES, FURNITURE, CASEWORK & BRANDING ITEMS.
- PROVIDE EXTENSION RINGS AND MOUNTING ACCESSORIES WHERE REQUIRED FOR POWER/DATA DEVICES AND LIGHT FIXTURES TO COORDINATE WITH INTERIOR FINISHES AND CASEWORK.
- GC TO COORDINATE ALL SWITCHES, STROBES AND WALL-MOUNTED DEVICES WITH SCHEDULED AV EQUIPMENT.
- ALL SWITCH PLATE COVERS, OUTLETS AND DEVICES TO BE WHITE, UNLESS OTHERWISE NOTED.
- OUTLETS LOCATED ABOVE COUNTERTOPS ARE TO BE MOUNTED HORIZONTALLY UNLESS OTHERWISE NOTED.
- PROVIDE POWER FOR KITCHEN APPLIANCES IN LOCATIONS SHOWN - REFRIGERATOR / FREEZER (REF), DISHWASHER (DW), HEATING CABINET (HC), ICE MAKER (IM).
- SCOPE OF ELECTRICAL WORK IS TO BE BASED UPON THE OUTLET LOCATION PLANS TO DETERMINE TYPE, QUANTITY, AND LOCATION OF OUTLETS. ARCHITECT IS NOT RESPONSIBLE FOR ENGINEERING.
- ALL CONDUIT TO BE CONCEALED, UNLESS OTHERWISE NOTED.

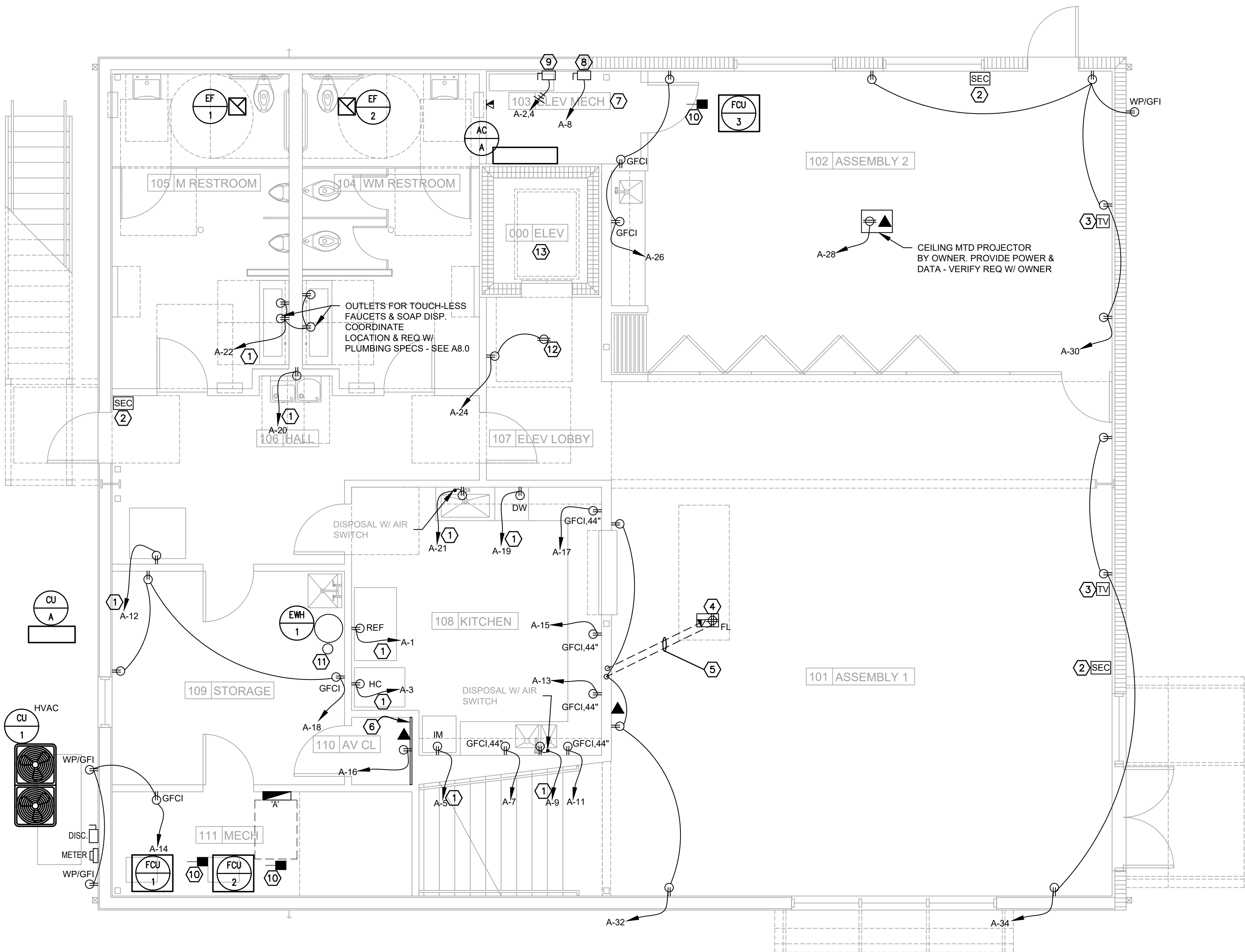
POWER & DATA LEGEND

- WALL MOUNTED DUPLEX WALL RECEPTACLE
- CEILING MOUNTED DUPLEX RECEPTACLE
- FLUSH FLOOR QUADRUPEX RECEPTACLE
- DATA PRE-WIRE
- RECESSED TV BOX W/ DATA & POWER PRE-WIRE
PROVIDE CORRESPONDING RECESSED HDMI PORTS BELOW FOR PRESENTATIONS.
- GROUND FAULT CIRCUIT INTERRUPTION
- SECURITY PAD



NOTE: LOCATE SWITCHPLATES, ELEC & DATA WALL OUTLETS @ NEAREST STUD FROM LOCATION ON PLAN, UNLESS SPECIFICALLY DIMENSIONED ON PLAN, INT ELEV, OR LOCATION AS PER DIAGRAM.

POWER & DATA DETAILS
SCALE 1/2" = 1'-0"



ELECTRICAL NOTES

- CIRCUIT IS POWERED VIA GFCI CIRCUIT BREAKER.
- PROVIDE JUNCTION BOX AND 3/4" CONDUIT STUBBED UP TO ACCESSIBLE CEILING SPACE WITH PULL STRING FOR SECURITY PANEL. VERIFY REQUIREMENTS WITH SECURITY VENDOR PRIOR TO ROUGH-IN.
- PROVIDE CLOCK BOX WITH DUPLEX RECEPTACLE, DATA, HDMI, VGA AND AUDIO CONNECTIONS. VERIFY EXACT HEIGHT PRIOR TO ROUGH-IN. PROVIDE FIRE RETARDANT BLOCKING AROUND CLOCK BOX AS REQUIRED. COORDINATE EXACT LOCATION WITH ARCHITECT/AV VENDOR PRIOR TO INSTALLATION
- THREE COMPARTMENT ON GRADE FLOOR BOX. WIREMOLD 880CS3-1 OR EQUAL. PROVIDE (2) DUPLEX OUTLETS AND DATA/TEL/AV COMPARTMENT. PROVIDE APPROPRIATE COVER AND TRIM RING. VERIFY COLOR WITH ARCHITECT.
- INSTALL (1) 1" CONDUITS FOR TELE/DATA AND (1) 3/4" C FOR POWER IN FLOOR TO WALL AND EXTEND TO CEILING SPACE CABLING AS SHOWN.
- PHONE BOARD, PROVIDE 2'X4'X3/4" FIRE RETARDANT PLYWOOD MOUNTED ON WALL. VERIFY EXACT LOCATION WITH OWNER. PROVIDE 1" EMPTY CONDUIT WITH PULL STRING TO TELEPHONE DEMARCATION.
- SEE SHEET 'E1.1' FOR MORE INFORMATION AND DETAILS ON THIS ROOM.
- PROVIDE 30A / 120/240V / 2P / NEMA-1 FUSIBLE DISCONNECT WITH 15AMP DUAL ELEMENT TIME DELAY FUSES. CONFIRM EXACT REQUIREMENTS WITH ELEVATOR PRIOR TO ROUGH-IN.
- PROVIDE 60A / 120/240V / 2P / NEMA-1 FUSIBLE DISCONNECT WITH 40AMP DUAL ELEMENT TIME DELAY FUSES. CONFIRM EXACT REQUIREMENTS WITH ELEVATOR PRIOR TO ROUGH-IN.
- MOTORIZED DAMPER, PROVIDED BY MECHANICAL CONTRACTOR WIRED BY ELECTRICAL CONTRACTOR. PROVIDE 120V POWER FROM NEAREST RECEPTACLE. VERIFY LOCATION WITH MECHANICAL.
- RECIRCULATION PUMP. PROVIDE 120V POWER FROM NEAREST RECEPTACLE. COORDINATE WITH MECHANICAL.
- RECEPTACLE TO BE CEILING MOUNTED.
- SEE ENLARGED ELEVATOR PLAN ON SHEET 'E1.1'.

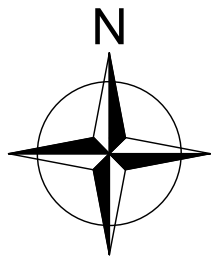
ELECTRICAL PLAN - FIRST FLOOR

SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- FOR 120V CIRCUITS WHEN BRANCH CIRCUIT LENGTH EXCEEDS 75 FEET FROM PANEL, WIRING SHALL BE INCREASED TO #10 AWG WITH #10 AWG GROUND. WHEN BRANCH CIRCUIT LENGTH EXCEEDS 150 FEET FROM PANEL, BRANCH WIRING SHALL BE INCREASED TO #8 AWG WITH #8 AWG GROUND.

FIXTURE, SWITCHING & DEVICE SUFFIXES:
E = EXISTING
R = RELOCATED
N = NEW



ILSON
IRGENTI
ENGINEERING
504 E. TYLER STREET
TAMPA, FL 33602
WORKWITHWG.COM
813.855.3330
C.O.A. #26759

THE WAREHOUSE
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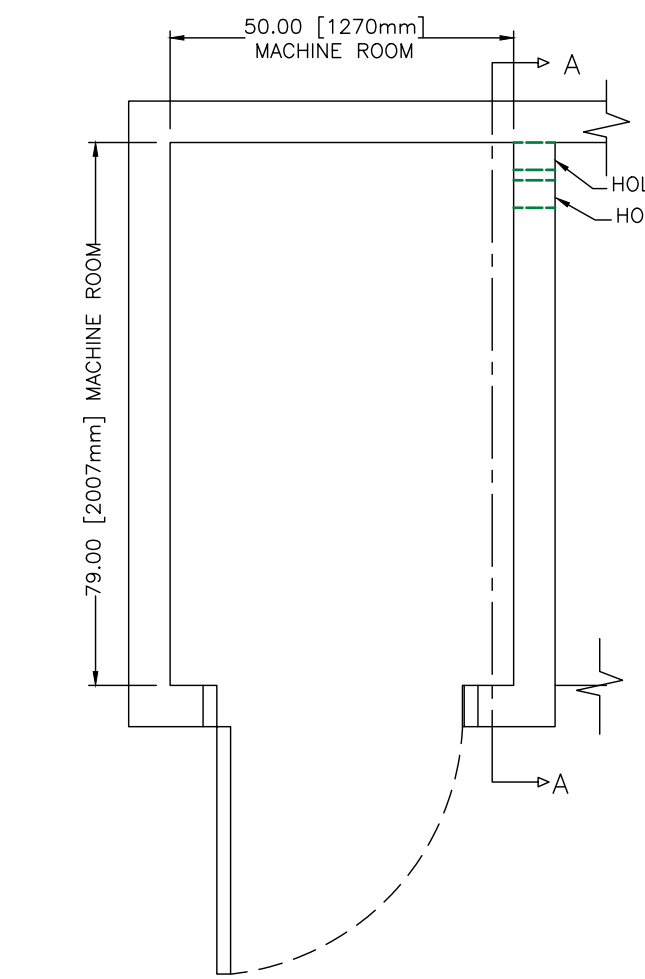
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PROFESSIONAL SEAL

DRAWN: WG
REVIEWED: WG
PROJECT NO: 1806

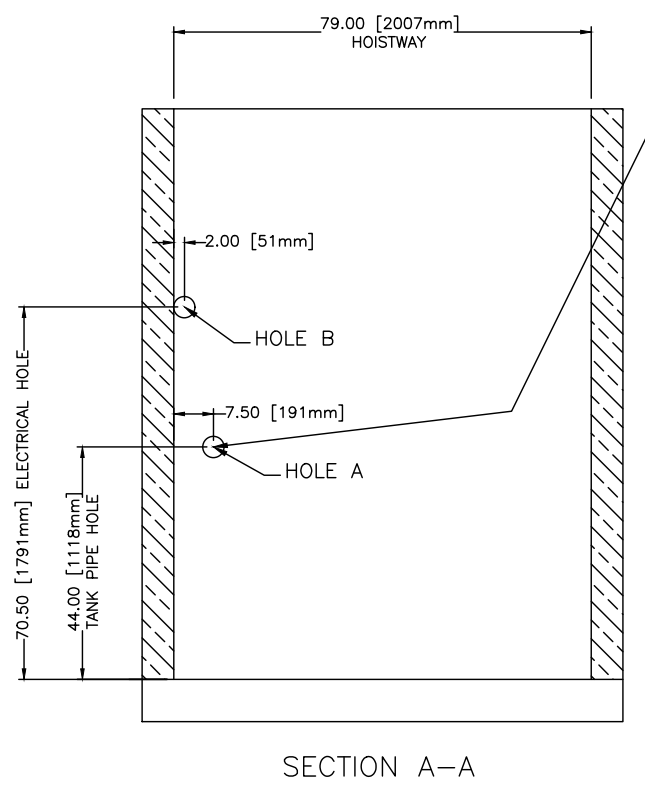
ELECTRICAL PLAN
FIRST FLOOR

E1.0

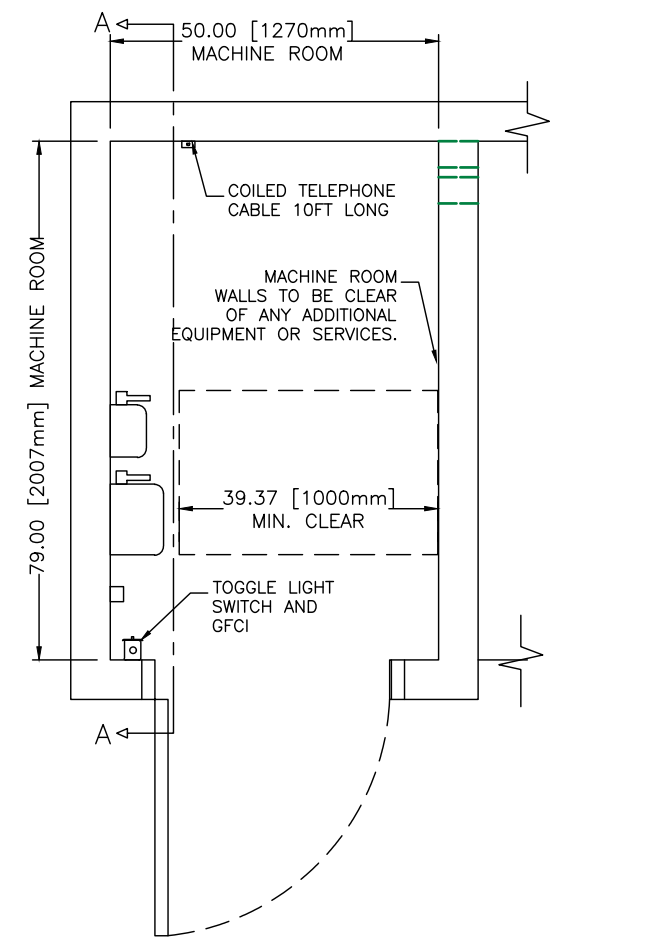
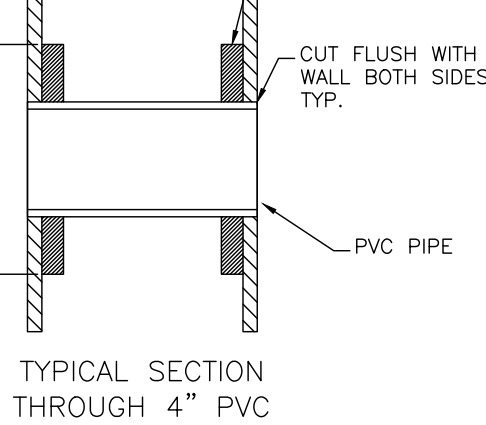


PROVISIONS BY OTHERS: ELEVATOR MACHINE ROOM	
ALL RULES FOLLOW ASME A17.1-2010/CSA B44-10 BASED ON THE LATEST REVISION	
1. SHALL HAVE A MINIMUM FIRE RATING AS PER LOCAL JURISDICTION.	
2. SIZE SHALL BE AS SHOWN ON DRAWINGS.	
3. LOCATION RELATIVE TO HOISTWAY SHALL BE AS SHOWN ON DRAWINGS.	
4. LOCATED ON FLOOR AS INDICATED IN SECTION 1, PAGE 4.	
5. SHALL MINIMUM HEAD ROOM OF 84" [2134mm] BETWEEN FLOOR AND OVERHEAD EQUIPMENT OF CEILING.	
6. DOOR HAND, LOCATION, SWING AND SIZE SHALL BE AS SHOWN ON DRAWING.	
7. DOOR SHALL BE FIRE RATED (MUST MEET LOCAL FIRE RATING REQUIREMENTS), SELF CLOSING, SELF LOCKING AND KEYPED TO OPEN THIS DOOR ONLY.	
8. MUST MEET ALL APPLICABLE CODES.	
9. SHALL NOT HOUSE ANY OTHER SERVICES OR DEVICES THAT ARE NOT DIRECTLY RELATED TO THE FUNCTION OF THE ELEVATOR. SHOULD THIS CONTRADICT THE REQUIREMENTS OF THE ARCHITECT, THIS SHALL NEED TO BE REVIEWED.	
10. MACHINE ROOM MUST BE TEMPERATURE AND HUMIDITY CONTROLLED.	
11. SHOULD SUMP PUMP BE LOCATED IN MACHINE ROOM, IT MUST BE LOCATED BELOW MACHINE ROOM FLOOR, COVERED AND GROUNDED TO PREVENT SHOCK.	
12. DOOR, WHEN OPEN, MUST NOT RESTRICT ACCESS TO ELECTRICAL DISCONNECTS, ELEVATOR EQUIPMENT OR MACHINE ROOM LIGHT SWITCH.	
13. SHOULD ROOF DRAIN ENTER MACHINE ROOM, IT SHALL BE ADEQUATELY INSULATED SO AS TO PREVENT CONDENSATION.	
14. MACHINE ROOM MUST BE 100% COMPLETE PRIOR TO ELEVATOR INSTALLATION STARTING. THIS INCLUDES DRYWALL, TAPING AND PAINTING.	

MACHINE ROOM DOOR:
3'0"W X 6'8"H MINIMUM, SELF CLOSING,
SELF LOCKING, FIRE RATED AS REQUIRED BY
AHJ, KEYPED FOR THIS DOOR ONLY (MUST
MEET LOCAL BUILDING CODE REQUIREMENTS)



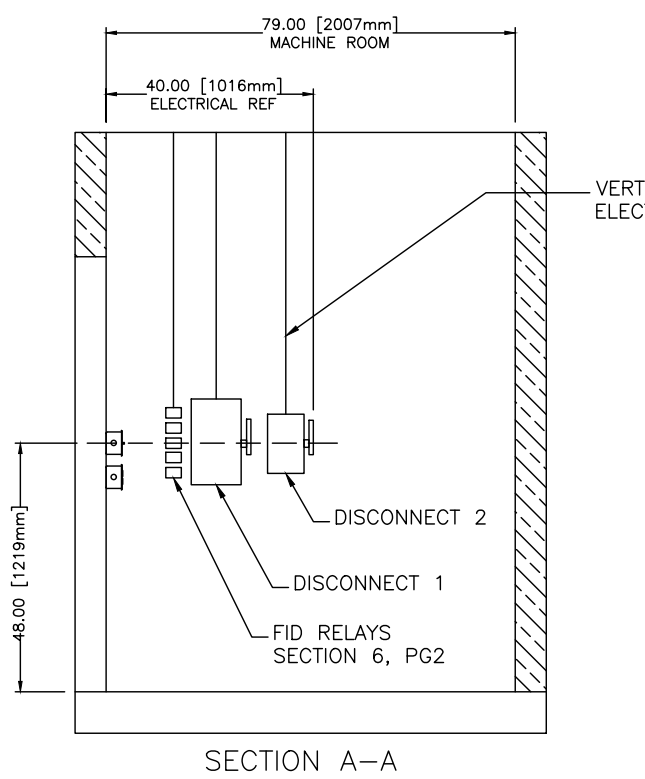
CAST 2 x 4" PVC SLEEVES IN WALL
AS SHOWN. PVC TO BE CUT FLUSH
WITH WALL ON BOTH SIDES. SEE DETAIL BELOW.
TYPICAL SECTION THROUGH 4" PVC



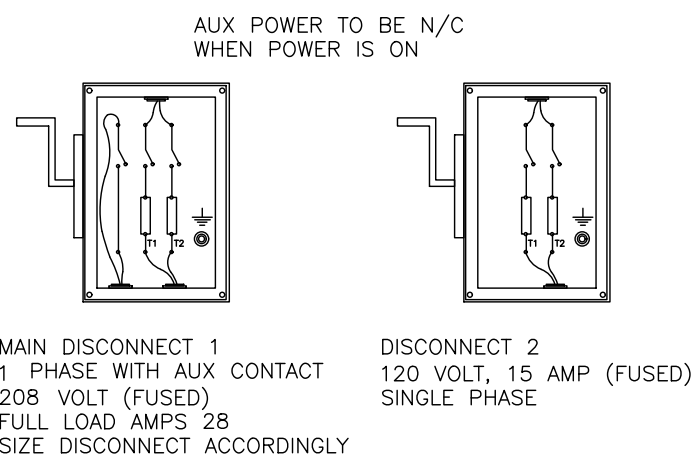
PROVISIONS BY OTHERS: MACHINE ROOM ELECTRICAL	
ALL RULES FOLLOW ASME A17.1-2010/CSA B44-10 BASED ON THE LATEST REVISION	
1. ELECTRICAL DISCONNECTS AS SPECIFIED SHALL BE LOCATED IN MACHINE ROOM AS SHOWN.	
2. PERMANENT POWER MUST BE RUN TO DISCONNECTS PRIOR TO ELEVATOR INSTALLATION STARTING.	
3. ELECTRICAL CONTRACTOR TO RUN FEEDER LINES IN RIGID CONDUIT FROM MAIN DISCONNECT TO ELEVATOR CONTROLLER.	
4. DISCONNECTS MUST BE FITTED WITH FUSES AS SPECIFIED ON DRAWING PRIOR TO ELEVATOR INSTALLATION STARTING.	
5. CLEARANCE ON FRONT OF DISCONNECTS MUST BE A MINIMUM OF 39" [1000mm] AS SHOWN ON ELEVATOR DRAWING.	
6. DISCONNECTS MUST BE PROPERLY GROUNDED TO BUILDING GROUND.	
7. FEED WIRE SIZE AND CONNECTIONS FROM DISCONNECTS TO ELEVATOR CONTROLLER SHALL BE AS SHOWN ON DRAWING.	
8. MACHINE ROOM LIGHT SWITCH SHALL BE LOCATED AS SHOWN ON DRAWING. VERIFY SWING OF DOOR WITH GC PRIOR TO FITTING LIGHT SWITCH.	
9. PERMANENTLY GUARDED LIGHTING SHALL BE PROVIDED IN MACHINE ROOM. LIGHTING MUST BE A MINIMUM OF 200lx (19FC) IN ANY AREA OF THE MACHINE ROOM.	
10. MACHINE ROOM 110V AC GFCI SHALL BE LOCATED AS SHOWN ON DRAWING.	
11. NO OTHER ELECTRICAL SERVICES OR DEVICES ARE PERMITTED IN THE ELEVATOR MACHINE ROOM.	

ELECTRICAL - MACHINE ROOM	
12. TELEPHONE JACK TO BE INSTALLED IN MACHINE ROOM AT LOCATION SHOWN ON ELEVATOR DRAWINGS.	
13. JACK MUST BE ACTIVE AND TAGGED WITH 24/7 EMERGENCY TELEPHONE THAT CAN BE PROGRAMMED INTO THE ELEVATOR EMERGENCY TELEPHONE. THIS MUST BE ARRANGED PRIOR TO ELEVATOR INSTALLATION STARTING.	
14. JACK TYPE FEMALE G25A2-4 CONDUCTOR SURFACE MOUNT	
15. JACK CORD BETWEEN ELEVATOR CONTROLLER AND JACK SUPPLIED IN MACHINE ROOM SHALL BE SUPPLIED AND RUN BY ELEVATOR CONTRACTOR.	

AIR CONDITIONING	
16. AIR CONDITIONING DEVICES NOT TO BE PLACED IN MACHINE ROOM, UNLESS DISCUSSED WITH ELEVATOR CONTRACTOR.	
17. MACHINE ROOM TEMPERATURE SHALL BE CONTROLLED BETWEEN 60°F (16°C) AND 90°F (32°C).	
18. MACHINE ROOM SHALL BE ADEQUATELY VENTED AS REQUIRED BY CODE.	

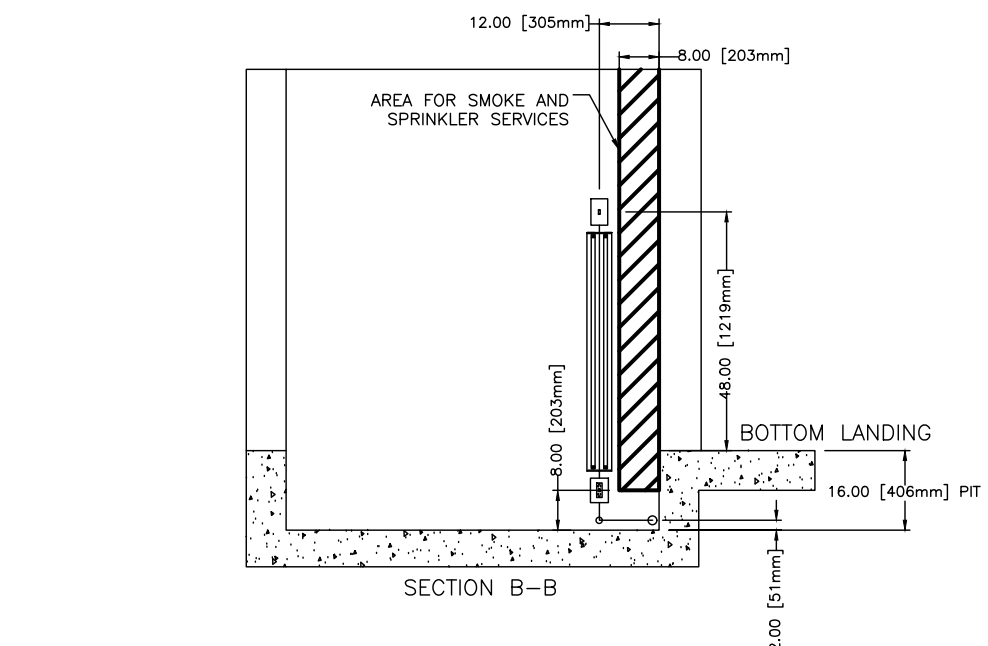
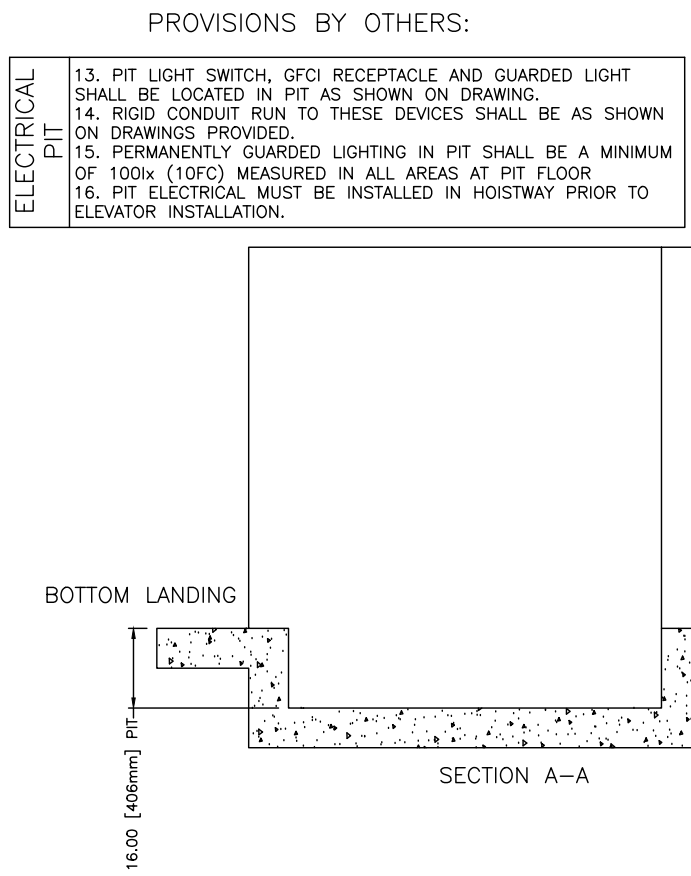


VERTICAL CONDUIT RUNS TO
ELECTRICAL SERVICES ONLY.

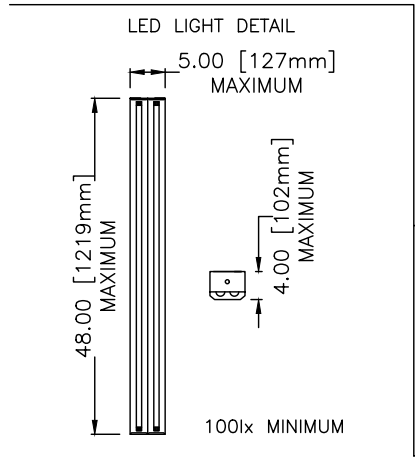


MAIN DISCONNECT 1
1 PHASE WITH AUX CONTACT
208 VOLT (FUSED)
FULL LOAD AMPS 28
SIZE DISCONNECT ACCORDINGLY

DISCONNECT 2
120 VOLT, 15 AMP (FUSED)
SINGLE PHASE



NOTE:
ALL ELECTRICAL WIRING AND CONDUIT RUNS
TO BE 'BURIED' INSIDE WALLS IF POSSIBLE,
OTHERWISE, ENSURE ALL CONDUIT RUNS
VERTICALLY DOWN INTO PIT. ANY HORIZONTAL
RUNS TO BE KEPT 2" OFF PIT FLOOR.

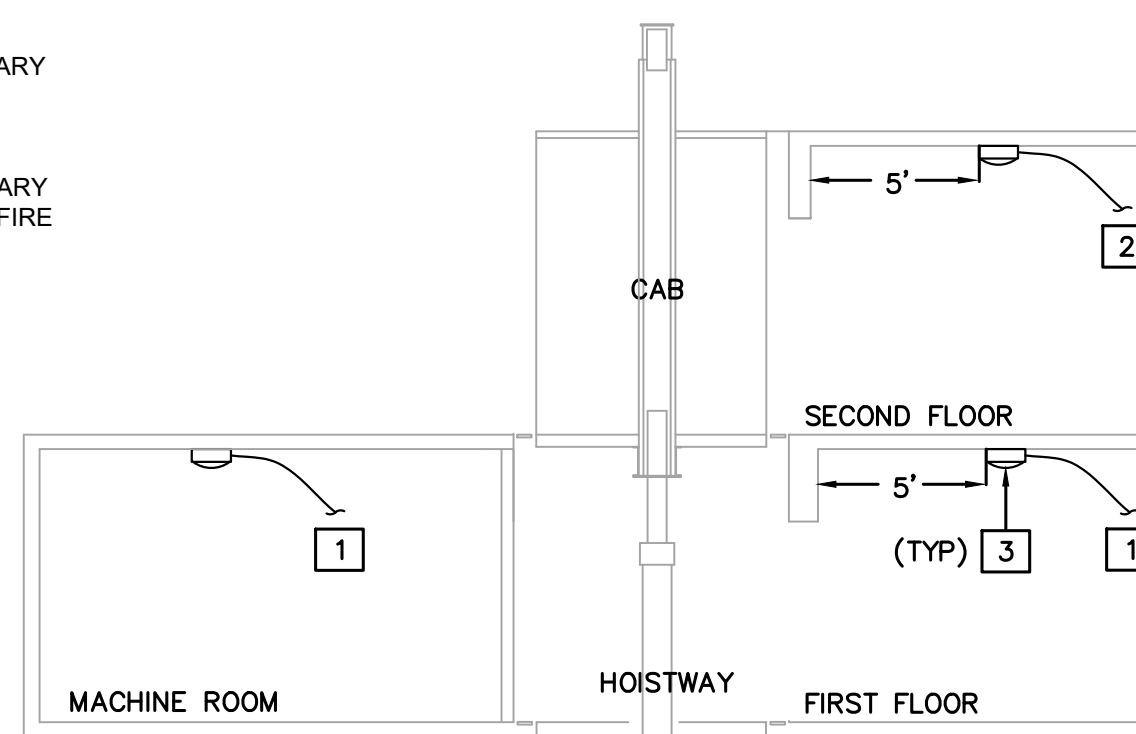


ELEVATOR DETAIL NOTES

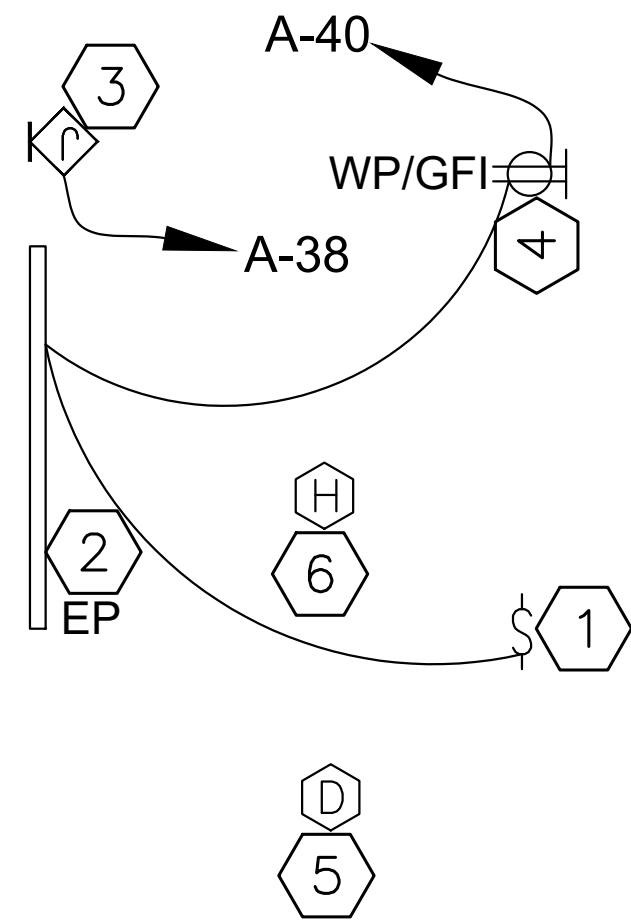
- CONNECT TO FIRE ALARM INITIATING CIRCUIT AND EXTEND FROM AUXILIARY CONTACT TO ELEVATOR CONTROLLER FOR MAIN EGRESS LANDING FIRE SIGNAL. USE (2) #12, #12 EG, 1/2".
- CONNECT TO FIRE ALARM INITIATING CIRCUIT AND EXTEND FROM AUXILIARY CONTACT TO ELEVATOR CONTROLLER FOR ALTERNATE EGRESS LANDING FIRE SIGNAL. USE (2) #12, #12 EG, 1/2".
- SMOKE DETECTOR WITH AUXILIARY CONTACTS FOR ELEVATOR RECALL. (TYPICAL)

ELEVATOR GENERAL NOTES:

- INSTALLATION MUST MEET ALL STATE OF FLORIDA ELEVATOR CODE REQUIREMENTS FOR AN ELEVATOR SHAFT.
- THE SECOND FLOOR ELEVATOR LOBBY SMOKE DETECTOR SHALL SIGNAL TO ELEVATOR CONTROLLER FOR ALTERNATE EGRESS LANDING FIRE SIGNAL AND INITIATE THE GENERAL FIRE ALARM.
- THE FIRST FLOOR ELEVATOR LOBBY SMOKE DETECTOR SHALL SIGNAL TO ELEVATOR CONTROLLER FOR MAIN EGRESS LANDING FIRE SIGNAL AND INITIATE THE GENERAL FIRE ALARM.
- THE SMOKE DETECTOR IN THE ELEVATOR MACHINE ROOM SHALL INITIATE PHASE 1 ELEVATOR RECALL AND INITIATE THE GENERAL FIRE ALARM.
- BUILDING NOT REQUIRED TO BE EQUIPPED WITH FIRE ALARM SYSTEM. VERIFY ANY FIRE ALARM REQUIREMENTS FROM ELEVATOR MANUFACTURER PRIOR TO ROUGH-IN AND BID.



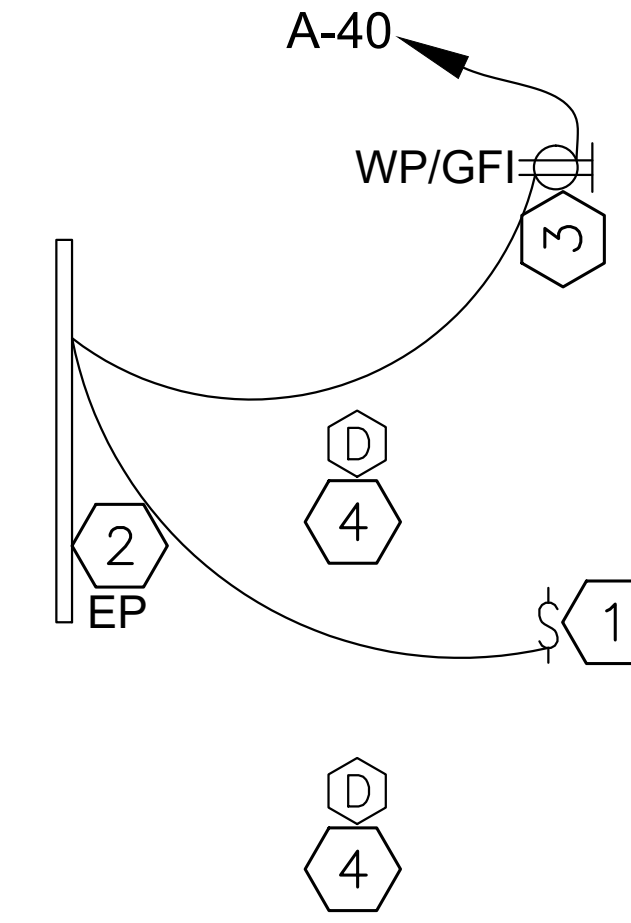
ELEVATOR DETAIL NTS



ELEVATOR NOTES

- PROVIDE 20A/1P TOGGLE SWITCH IN WEATHERPROOF ENCLOSURE MOUNTED 18" ABOVE PIT FLOOR.
- PROVIDE ENCLOSED GASKETED VAPOR TIGHT WET LISTED FIXTURE MOUNTED 24" ABOVE PIT FLOOR SEE FIXTURE SCHEDULE ON SHEET 'E0.1' FOR MORE INFORMATION.
- PROVIDE 120V POWER FOR ELEVATOR SUMP PUMP. PROVIDE 20A/1P SNAP SWITCH AS DISCONNECT. WIRE WITH (2)#12, #12EG IN 3/4" CONDUIT. COORDINATE EXACT LOCATION WITH ELEVATOR VENDOR AND PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
- PROVIDE 120V GENERAL PURPOSE GFCI/WP RECEPTACLE AS INDICATED. COORDINATE EXACT LOCATION WITH ELEVATOR VENDOR.
- CONTRACTOR TO INSTALL (1) SMOKE DETECTOR IN VESTIBULE. SMOKE DETECTOR SHALL BE TIED INTO ELEVATOR CONTROLLER. SMOKE DETECTORS TO HAVE BATTERY BACK UP.
- CONTRACTOR TO INSTALL (1) WEATHER PROOF HEAT DETECTOR IN PIT. HEAT DETECTOR SHALL BE TIED INTO ELEVATOR CONTROLLER. HEAT DETECTORS TO HAVE BATTERY BACK UP.

ENLARGED ELEVATOR PIT NOT TO SCALE



ELEVATOR NOTES

- PROVIDE 20A/1P TOGGLE SWITCH IN WEATHERPROOF ENCLOSURE MOUNTED IN HOISTWAY.
- PROVIDE ENCLOSED GASKETED VAPOR TIGHT WET LISTED FIXTURE IN HOISTWAY. CONFIRM LOCATION WITH ELEVATOR CONTRACTOR. SEE FIXTURE SCHEDULE ON SHEET 'E-100' FOR MORE INFORMATION.
- PROVIDE 120V GENERAL PURPOSE GFCI RECEPTACLE AS INDICATED. COORDINATE EXACT LOCATION WITH ELEVATOR VENDOR.
- CONTRACTOR TO INSTALL (2) SMOKE DETECTORS (1) AT THE TOP OF THE ELEVATOR SHAFT AND (1) IN VESTIBULE. SMOKE DETECTORS SHALL BE TIED INTO ELEVATOR CONTROLLER. SMOKE DETECTORS TO HAVE BATTERY BACK UP.

ENLARGED ELEVATOR SHAFT -2ND FLOOR NOT TO SCALE

THE WAREHOUSE

A RENOVATION AT:

1916 E 136 AVE

TAMPA, FL 33613

FOR:

UNIVERSITY AREA COMMUNITY
DEVELOPMENT CORP (UACDC)

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PROFESSIONAL SEAL

DRAWN: WG
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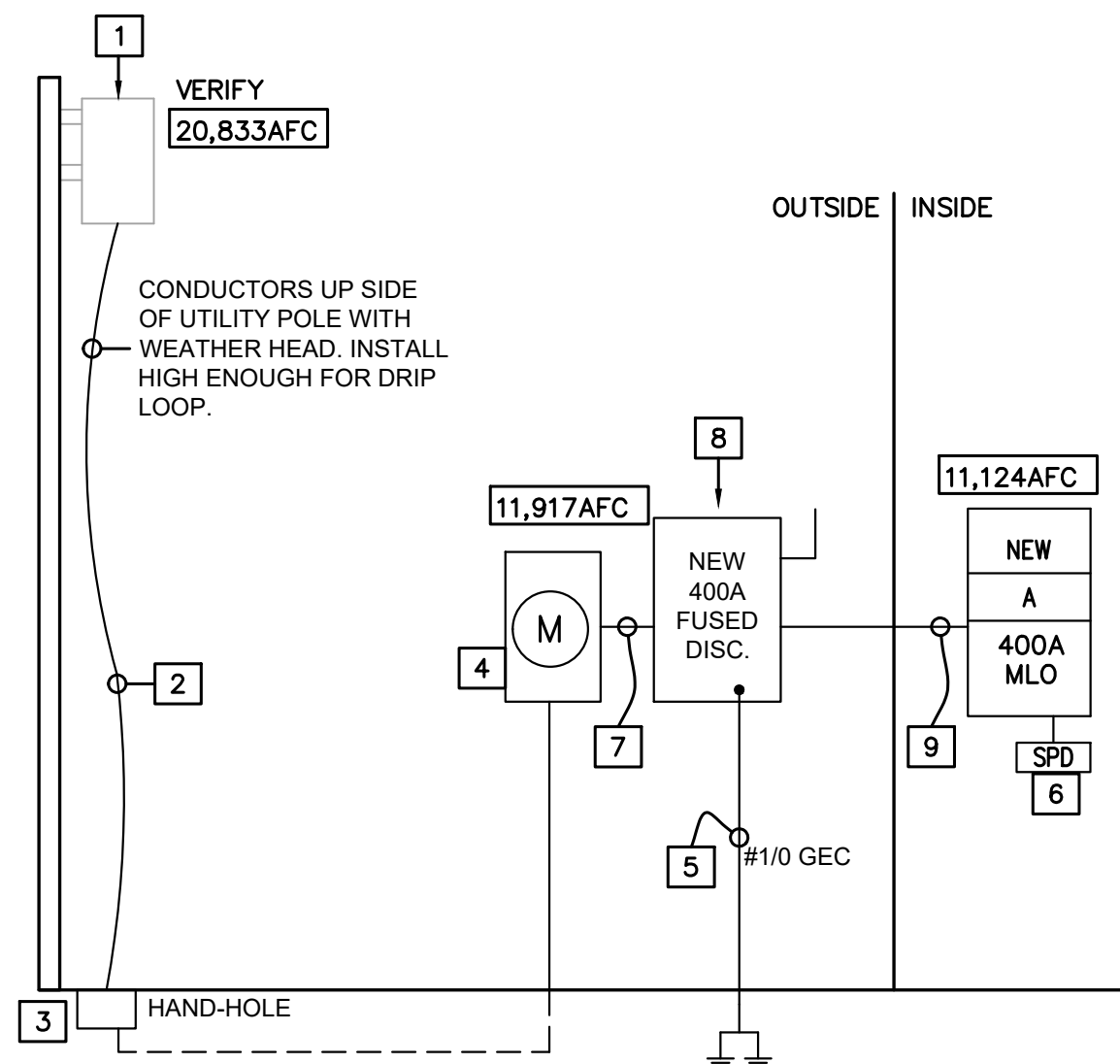
ELEVATOR NOTES & DETAILS

E1.1

C.O.A. #26759

**ILSON
IRGENTI**
ENGINEERING

504 E. TYLER STREET
TAMPA, FL 33602
WORKWITHWG.COM
813.855.3330



RISER DIAGRAM
NOT TO SCALE

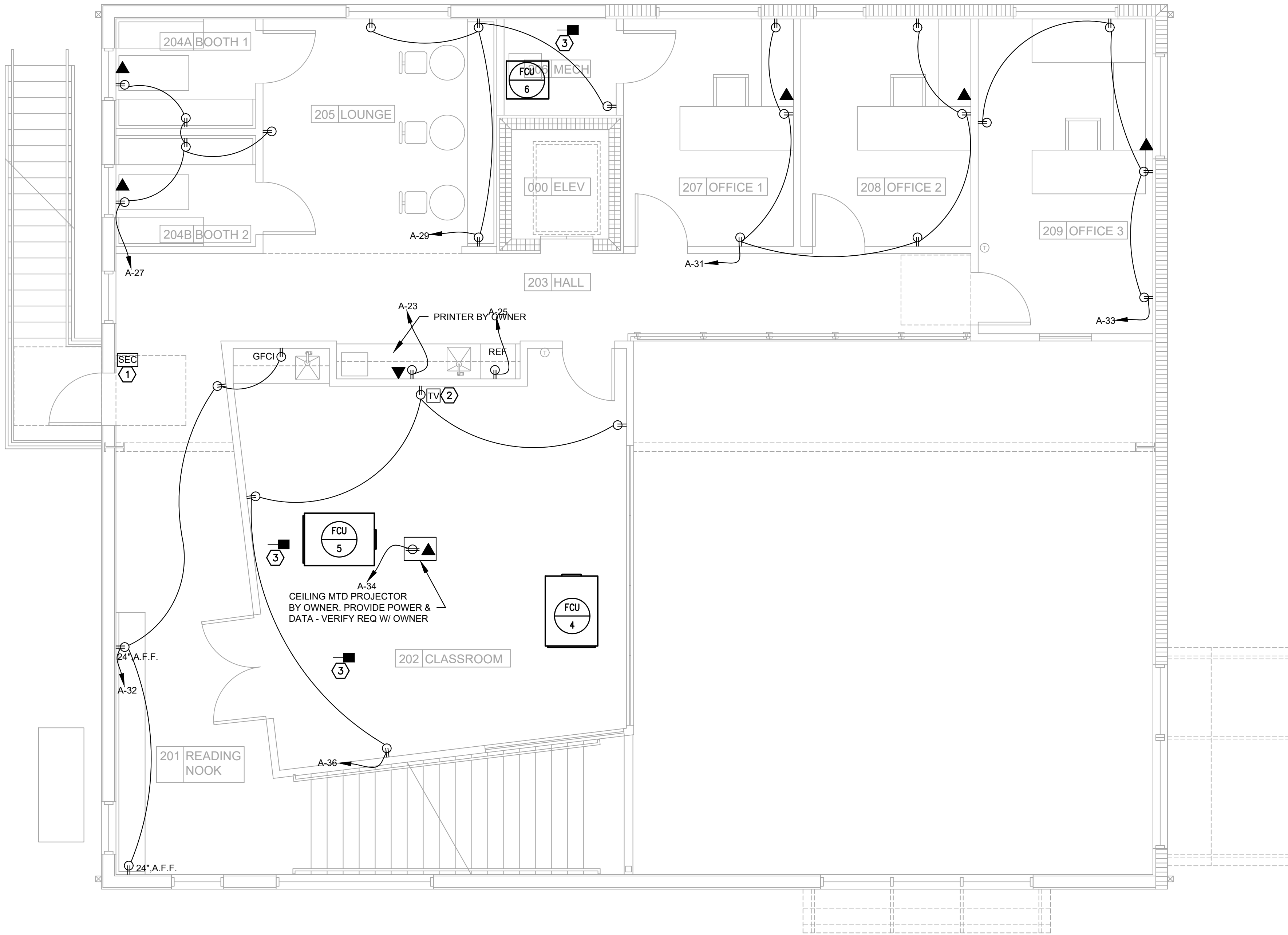
RISER NOTES

- EXISTING 120/240V, 1Ø POLE MOUNTED UTILITY TRANSFORMER. APPROXIMATELY 120' SOUTH EAST OF NEW METER LOCATION.
- FEEDERS AND CONDUIT SHALL GO UP MAST AND TERMINATE AT WEATHERHEAD. CONTRACTOR SHALL PROVIDE POINT OF ATTACHMENT AND LOCAL ENERGY COMPANY SHALL MAKE CONNECTION FROM NEW FEEDERS TO UTILITY TRANSFORMER. CONDUIT SHALL BE SCHEDULE 80 PVC.
- PROVIDE (2) SETS OF (3) #3/0 EACH IN 2" CONDUIT FROM HAND-HOLE TO METER. FINAL CONNECTION IN HAND-HOLE PROVIDED BY ELECTRICIAN.
- PROVIDE 120/240V, 1Ø 400A DIRECT READ METER. GROUND PER LOCAL UTILITY COMPANY REQUIREMENTS. PROVIDE LIGHTNING ARRESTOR AS REQUIRED.
- (2) 5/8" X 10' COPPER CLAD GROUND RODS. (WHERE POSSIBLE) BOND TO BUILDING STEEL AND WATER PIPE. BOND NEUTRAL AND GROUND.
- SURGE PROTECTION DEVICE, PROVIDE PQ PROTECTION SPD, MODEL PQC100-120/240V, 1Ø.
- PROVIDE (2) SETS OF (3) #3/0 EACH IN 2" CONDUIT.
- PROVIDE NEW 240V / 2P, SERVICE ENTRANCE RATED 400A FUSED DISCONNECT WITH 400A TIME DELAY DUAL ELEMENT FUSES IN NEMA-3R ENCLOSURE. BOND NEUTRAL AND GROUND.
- PROVIDE (2) SETS OF (3) #3/0 AND #3 EG EACH IN 2" CONDUIT.

SPECIAL NOTE:

ARC INTERRUPTING CURRENT (AIC) RATING FOR METER, DISCONNECT AND ELECTRICAL PANEL IS ESTIMATED BASED ON AN ASSUMED AVAILABLE FAULT CURRENT (AFC) AT THE UTILITY TRANSFORMER OF 20,833A. PLEASE VERIFY AFC WITH TECO PRIOR TO INSTALLATION.

XFMR AFC	20833	
VOLTAGE	240	
	DISC.	A
I _{SCA}	20833	11917
length	120	20
wire size	3/0	3/0
C VALUE	13923	13923
sets	2	2
f	0.7482	0.071328
M	0.5720	0.9334
FAULT	11917	11124



ELECTRICAL PLAN - SECOND FLOOR
SCALE: 1/4" = 1'-0"

ELECTRICAL NOTES

- PROVIDE JUNCTION BOX AND 3/4" CONDUIT STUBBED UP TO ACCESSIBLE CEILING SPACE WITH PULL STRING FOR SECURITY PANEL. VERIFY REQUIREMENTS WITH SECURITY VENDOR PRIOR TO ROUGH-IN.
- PROVIDE CLOCK BOX WITH DUPLEX RECEPTACLE, DATA, HDMI, VGA AND AUDIO CONNECTIONS. VERIFY EXACT HEIGHT PRIOR TO ROUGH-IN. PROVIDE FIRE RETARDANT BLOCKING AROUND CLOCK BOX AS REQUIRED. COORDINATE EXACT LOCATION WITH ARCHITECT/AV VENDOR PRIOR TO INSTALLATION.
- MOTORIZED DAMPER, PROVIDED BY MECHANICAL CONTRACTOR WIRED BY ELECTRICAL CONTRACTOR. PROVIDE 120V POWER FROM NEAREST RECEPTACLE. VERIFY LOCATION WITH MECHANICAL DRAWINGS

GENERAL NOTES:

- FOR 120V CIRCUITS WHEN BRANCH CIRCUIT LENGTH EXCEEDS 75 FEET FROM PANEL, WIRING SHALL BE INCREASED TO #10 AWG WITH #10 AWG GROUND. WHEN BRANCH CIRCUIT LENGTH EXCEEDS 150 FEET FROM PANEL, BRANCH WIRING SHALL BE INCREASED TO #8 AWG WITH #8 AWG GROUND.

FIXTURE, SWITCHING & DEVICE SUFFIXES:
E = EXISTING
R = RELOCATED
N = NEW

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PROFESSIONAL SEAL

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**ELECTRICAL PLAN
SECOND FLOOR**

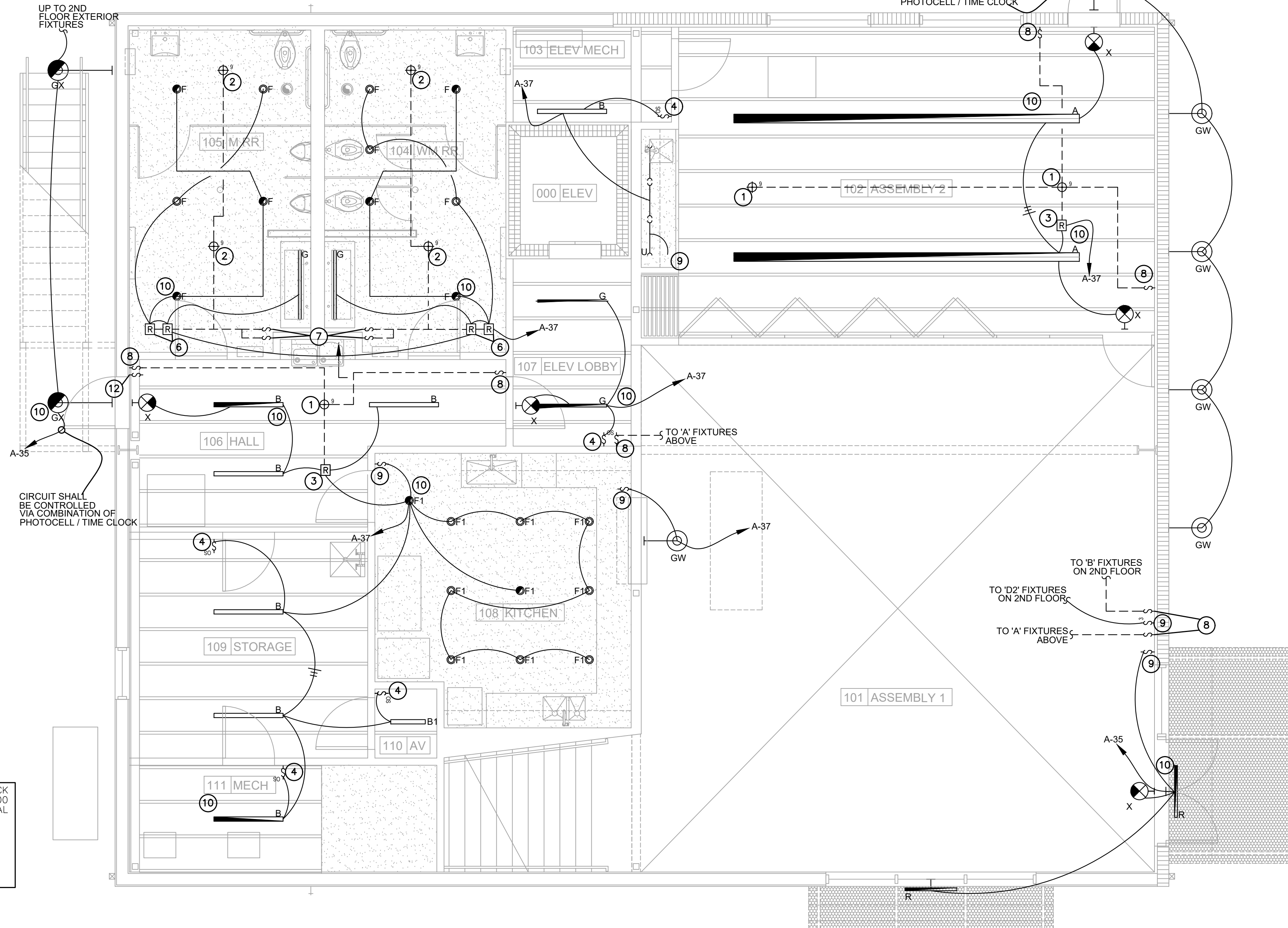
E2.0



1. PROVIDE NEW LOW-VOLTAGE, DUAL-TECHNOLOGY, LIGHTING OCCUPANCY SENSOR MODEL #LMDC-100.
2. PROVIDE NEW LOW-VOLTAGE, DUAL-TECHNOLOGY, LIGHTING OCCUPANCY SENSOR MODEL #D1-305.
3. PROVIDE NEW LOW VOLTAGE DLM ROOM CONTROLLER WITH 0-10V DIMMING MODEL #LMRC-111.
4. PROVIDE WALL MOUNTED DUAL-TECHNOLOGY, OCCUPANCY SENSOR, ON/OFF SWITCH MODEL WATSTOPPER #DSW-301.
5. NOT USED.
6. PROVIDE NEW POWER PACK MODEL #BZ-250.
7. PROVIDE NEW LOW VOLTAGE SWITCH MODEL #LVSW-101.
8. PROVIDE NEW LOW VOLTAGE SWITCH MODEL #LVSW-211.
9. PROVIDE NEW ON/OFF SWITCH FOR CONTROL. (NO AUTOMATIC CONTROLS REQUIRED PER FBC 2023, ENERGY CONSERVATION, 8TH EDITION).
10. PROVIDE INVERTER MODEL #ELI-S-2HR CONNECTED TO FIXTURE. INVERTER SHALL HAVE INPUT FROM LOCAL CONTROL GROUP. SUCH THAT IN THE EVENT OF LOSS OF POWER, EM LIGHTS TURN ON AT FULL POWER. INVERTER SHALL BE INSTALLED IN DRY, WELL VENTILATED, ACCESSIBLE SPACE NOT MORE THAN 50' AWAY FROM FIXTURES. COORDINATE WITH SESCO LIGHTING REP ON EXACT INVERTER REQUIRED.
11. CIRCUIT TO BE ROUTED THROUGH INVERTER FOR EMERGENCY POWER. PROVIDE ADDITIONAL HOT FROM SAME CIRCUIT FOR NON-EMERGENCY LIGHTS.
12. OVERRIDE SWITCH FOR EXTERIOR LIGHTING. SEE DETAIL ON THIS SHEET FOR MORE INFORMATION.

1. WHEN BRANCH CIRCUIT LENGTH EXCEEDS 75 FEET FROM PANEL, WIRING SHALL BE INCREASED TO #10 AWG WITH #10 AWG GROUND. WHEN BRANCH CIRCUIT LENGTH EXCEEDS 150 FEET FROM PANEL, BRANCH WIRING SHALL BE INCREASED TO #8 AWG WITH #8 AWG GROUND.

FIXTURE, SWITCHING & DEVICE SUFFIXES
 E = EXISTING
 N = NEW
 D = DIMMER
 3 = THREE-WAY



TIMECLOCK CONTROL

PROFESSIONAL SEAL

E3.0

LIGHTING NOTES

1. PROVIDE NEW LOW-VOLTAGE, DUAL-TECHNOLOGY, LIGHTING OCCUPANCY SENSOR MODEL #LMDC-100.
2. PROVIDE NEW LOW-VOLTAGE, DUAL-TECHNOLOGY, LIGHTING OCCUPANCY SENSOR MODEL #DT-305.
3. PROVIDE NEW LOW VOLTAGE DLM ROOM CONTROLLER WITH 0-10V DIMMING MODEL #LMRC-111.
4. PROVIDE WALL MOUNTED DUAL-TECHNOLOGY, OCCUPANCY SENSOR, ON/OFF SWITCH MODEL WATTSTOPPER #DSW-301.
5. PROVIDE WALL MOUNTED DUAL-TECHNOLOGY, OCCUPANCY SENSOR, ON/OFF/0-10V DIMMING SWITCH MODEL WATTSTOPPER #DSW-311.
6. PROVIDE NEW POWER PACK MODEL #BZ-250.
7. PROVIDE NEW LOW VOLTAGE SWITCH MODEL #LVSF-101.
8. PROVIDE NEW LOW VOLTAGE SWITCH MODEL #LVSF-211.
9. PROVIDE NEW ON/OFF SWITCH FOR CONTROL. (NO AUTOMATIC CONTROLS REQUIRED PER FBC 2023, ENERGY CONSERVATION, 8TH EDITION).
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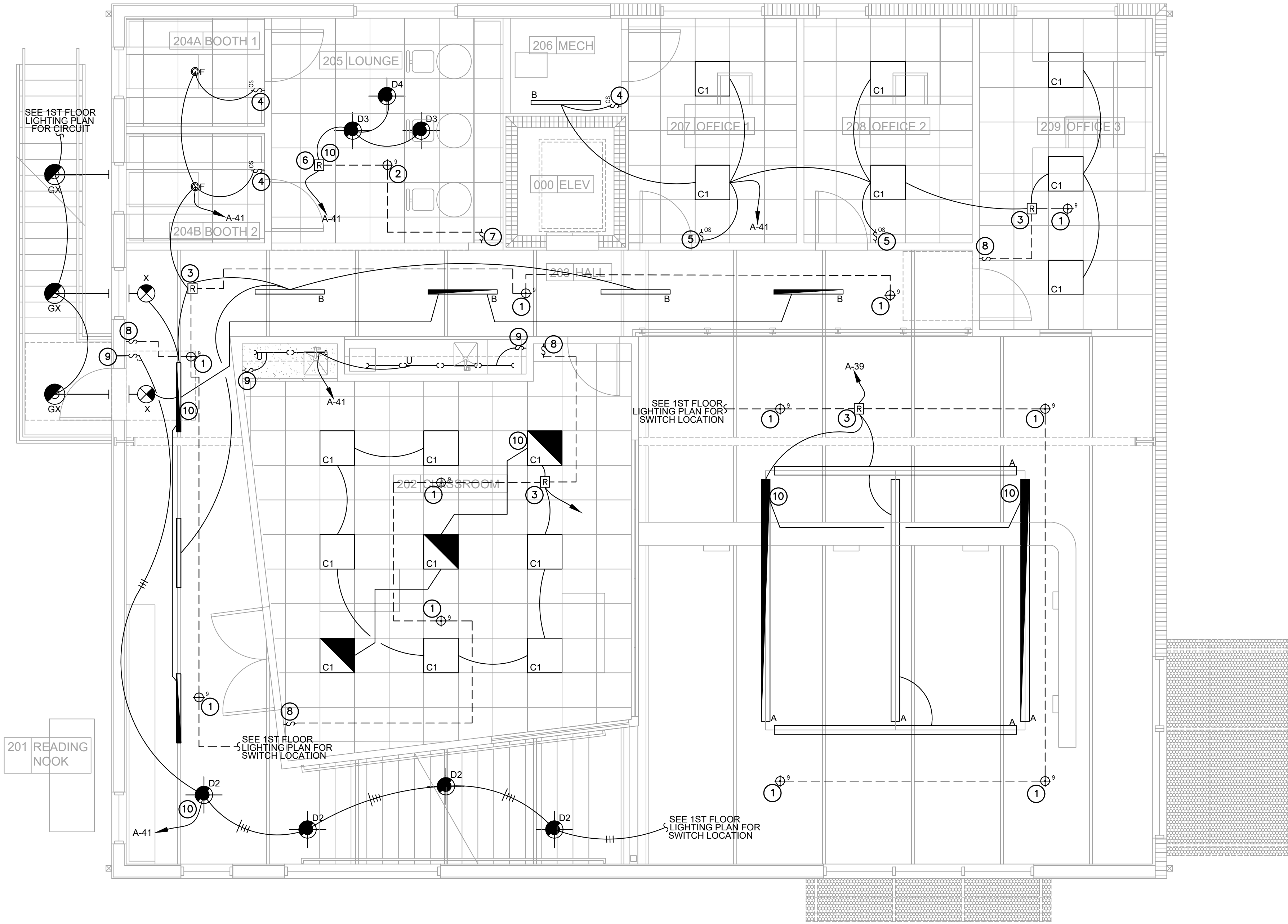
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2. CONNECT ALL EXIT SIGNS AND EGRESS FIXTURES TO CIRCUIT ROUTED THROUGH INVERTER FOR EMERGENCY POWER.

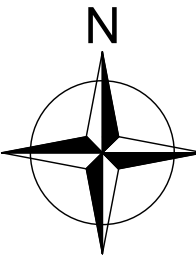
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LIGHTING PLAN - SECOND FLOOR

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LIGHTING PLAN
SECOND FLOOR

E4.0

