	DEVICES		LIGHTING SYMBO		
\$ ^a	SWITCH, SPST-LETTER INDICATES LIGHTS CONTROLLED - PROVIDE IN EVERY SPACE U.O.N.	LOCATE DEVICE AT 46" TO CL OR AS NOTED.		REFERENCE ARCHITECTURAL'S FOR EXACT LOCATION	3R - R A - A A/C - A AF - A
\$	SWITCH, DOUBLE POLE SINGLE THROW	LOCATE DEVICE AT 46" TO CL OR AS NOTED.	RECESSED LIGHT FIXTURE CONNECTED TO BRANCH	REFERENCE ARCHITECTURAL'S FOR EXACT LOCATION	AFC - A' AFCI - AI AFF - AI
	SWITCH, THREE WAY	LOCATE DEVICE AT 46" TO CL OR AS NOTED.	OB TYPE.	FOR EXACT LOCATION	AFG - A AHU - A AIC - AI AL - A
<u> </u>		LOCATE DEVICE AT 46" TO CL OR AS NOTED.	PROVIDE OUTDOOR RATED FAN FOR EXTERIOR LOCATIONS PROVIDE LIGHT KIT IF SPECIFIED.	FOR EXACT LOCATION DO NOT CONNECT TO LIGHTING DIMMER	AMP - 5 AWG - A A/V - A
		LOCATE DEVICE AT 46" TO CL OR AS NOTED.		REFERENCE ARCHITECTURAL'S FOR EXACT LOCATION.	BFG - B BLDG - B C - C CAB - C
φ k			ENCLOSURE FOR UNITS SHOWN EXPOSED TO	REFERENCE ARCHITECTURAL'S FOR EXACT LOCATION	CAT - C CB - C CCTY - C
The state of the s		LOCATE DEVICE AT 46" TO	ELEMENTS. BOLLARD TYPE FIXTURE LETTER DESIGNATES TYPE	REFERENCE ARCHITECTURAL'S FOR EXACT LOCATION	CKT - C CMU - C COB - C
# # IMC		LOCATE DEVICE AT 46" TO		REFERENCE ARCHITECTURAL'S FOR EXACT LOCATION	C/T - C CU - C DIA - D DN - D
\$ ***	POSITION MOTOR RATED TOGGLE SWITCH - PROVIDE WITH	CL OR AS NOTED. LOCATE DEVICE AT 46" TO	LETTER DESIGNATES TYPE.	REFERENCE ARCHITECTURAL'S FOR EXACT LOCATION	D\$ - D DWG - D E - E EC - E
\$	CODE OR MANUFACTURER OF MOTOR.	CL, ACESSIBLE AND ADJACENT TO EQUIPMENT, OR AS NOTED.	DESIGNATES TYPE. 2'x4' LUMINAIRE OR SURFACE OR RECESSED - LETTER	FOR EXACT LOCATION REFERENCE ARCHITECTURAL'S	EF - E EG - E EM - E
\$ ⁰	OCCUPANCY SENSOR WALL SWITCH DUAL TECHNOLOGY ULTRASONIC / INFRARED OCCUPANCY SENSOR WALL SWITCH DUAL	LOCATE DEVICE AT 46" TO CL OR AS NOTED. LOCATION OF DEVICE	NL PROVIDE GASKET FOR LENS IN KITCHEN AREAS		EMT - E ENCL - E EPO - E EWC - E
DT _©	TECHNOLOGY ULTRASONIC / INFRARED DT=DUAL	MANUFACTURERS RECOMMENDATIONS	FIXTURE SURFACE OR CHAIN HUNG STRIP LUMINAIRE	FOR EXACT LOCATION REFERENCE ARCHITECTURAL'S	EWH - E EX - E FA - FI
\$ ^T	DIGITAL TIMER WALL SWITCH HUBBELL MODEL DT1277W SET: (5 MIN INTERVALS)	CL OR AS NOTED.	EXIT LUMINAIRE. SHADING INDICATES DOUBLE OR SINGLE FACE ARROW SHOUS DIRECTION OF CHEVRON	REFERENCE ARCHITECTURAL'S FOR EXACT LOCATION	FAA - FI FATC - FI FBO - FI FC - F0
\$ ^T	TIME DELAY 'OFF' SWITCH, SPRING WOUND IS MIN TIMESWITCH. RESIDENT UNIT BATHROOMS INTERMATIC *FFISM - OR AS SPECIFIED	CL OR AS NOTED.	SITE LIGHT - POLE WITH LUMINAIRE LETTER INDICATES	REFERENCE ARCHITECTURAL'S	FCP - FI FCU - F, FLA - FI FPL - FI
\$	SWITCH WITH PILOT LIGHT	LOCATE DEVICE AT 46" TO CL OR AS NOTED.	SA TYPE, PROVIDE POLE AND BASE AS SPECIFIED	FOR EXACT LOCATION F	FO - FI FSD - C FT - FI
\$ ^{FC}	BETWEEN FAN CONTROL SWITCH AND FAN PROVIDE 2*	LOCATE DEVICE AT 46" TO CL OR AS NOTED.	MISC. SYMBOLS		G - G GC - G GFI - G GND, G - G
\ominus		LOCATE DEVICE AT 24" TO CL OR AS NOTED.		PROVIDE CONCEALED LOCATION IN PUBLIC SPACES	HACR - H HC - H HP - H
	DUPLEX RECEPTACLE, 125V	LOCATE DEVICE AT 24" TO CL OR AS NOTED.		PROVIDE CONCEALED LOCATION IN PUBLIC SPACES	HT - H HVAC - H IC - IN IG - IS
	DUPLEX RECEPTACLE, 125V	LOCATE DEVICE AT 46" TO CL.	MOTOR, NUMBER INDICATES HORSEPOWER, PROVIDE MOTOR RATED DISCONNECTING MEANS OR STARTER AS	PROVIDE MOTOR RATED SWITCH, AS RECOMMENDED BY	IMC - IN ISCA - A JB - JI KCMIL - T
		LOCATE AT 8" CL ABOVE DESK TOP AT BUILT IN DESK.	1	LOCATE ON ROOF FACING NORTH	KW - K KVA - K
		ABOVE BACKSPLASH OR AS NOTED.		AS REQUIRED FOR LIGHTING CONTROL	LRA - L LTG - L 3R - R MAX - M
GFI	DUPLEX RECEPTACLE, 125 VOLT, GROUND FAULT PROTECTED FROM GFI/AFCI BREAKER	LOCATE DEVICE AT 18" TO CL OR AS NOTED.	PANELBOARD PANELBOARD	LOCATIONS 1	MCB - M MCM - TH MIN - M MLO - M
GFI —		LOCATE DEVICE AT 46" TO CL OR ABOVE BACKSPLASH,	ACCORDANCE WITH DOOR BELL MANUFACTURER'S RECOMMENDATIONS.	SUGGESTED CONCEALED LOCATION.	MD# - M MD - M N - N
WP	DUPLEX RECEPTACLE, 125V W/ CAST ALUMINUM, NEMA	OR AS NOTED LOCATE DEVICE AT 18" TO CL OR AS NOTED.	DOOR BELL PROVIDE IN ACCORDANCE WITH DOOR BELL MANUFACTURER'S RECOMMENDATIONS, PROVIDE CONCEALED CABLING BETWEEN TRANSFORMER, DOOR BELL CHIME, AND DOOR BELL PUSH BUTTON	LOCATIONS N	NA - N NEC - N NEMA - N NF - N
		LOCATE DEVICE AT 18" TO CL OR AS NOTED.	MAINTAINED, OR MOMENTARY CONTACTS, OR BOTH AS	DEEEDENCE DRAIIINGS EOR	NFPA - N NIC - N NL - N NTS - N
		LOCATE DEVICE AT 18" TO CL OR AS NOTED.	REQUIRED FOR CONTROL. PROVIDE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS	F F	PB - F PC - F PF - F
	RANGE RECEPTACLE, 4 W, 50 A, 240V, NEMA 15-50R	DRYER 46" TO CL RANGE VERIFY W/ APPLIANCE	VOICE/DATA SYST	EMS	PNL - FPOE - FPVC - F
	DUPLEX RECEPTACLE, 125V, IN FLUSH FLOOR BOX	FLUSH W/FLOOR		LOCATIONS F	R - F REC - F REF - F RLA - F
E		OR AS NOTED	TTD TELEPHONE TERMINATION, NEMA 3R ENCLOSURE,	REFERENCE DRAWINGS FOR LOCATIONS	RM - 5 SCA - 5 SD - 5 SE - 5
	EXISTING RECEPTACLE, IV-125/250V, 20A, 2P3W + G			REFERENCE ARCHITECTURAL DRAWINGS FOR LOCATIONS. CABLE RUNS OVER 150 FEET	SEC - S SPD - S SPEC - S
<u></u>	QUADRAPLEX RECEPTACLE, 125V	LOCATE DEVICE AT 24" TO CL OR AS NOTED.	SERVICE ENCLOSURE. PROVIDE RECEPTACLE AT SAME LOCATION. TELEPHONE OUTLET ONE (1) PLUE DEVICE PROVIDE	OR AS NOTED.	99 - 9 97 - 9 708 - 1 TR - 1
⊕	QUADRAPLEX RECEPTACLE, 125V	LOCATE DEVICE AT 46" TO CL OR AS NOTED.	CA 5E CABLE BETWEEN TELEPHONE TERMINATION ENCLOSURE AND DEVICE.	NOTED.	TTB - T TV - T TVTB - T TYP - T
	QUADRAPLEX RECEPTACLE, 125V IN FLUSH FLOOR BOX AS NOTED	FLUSH W/ FLOOR	CA SE CABLE BETWEEN TELEPHONE TERMINATION	LOCATIONS 46" TO CL OR ABOVE BACKSPLASH AS NOTED.	U/C - U UG - U UON - U
	CONFIGURATION AS NOTED) PROVIDE CORD AND PLUG	LOCATE DEVICE AT 46" TO CL FOR DRYER, ABOVE BASE BOARD FOR OVEN OR AS NOTED.	BETWEEN DEVICE BOX SERVICE PEDESTAL OR TERMINAL BOX	LOCATIONS. ADJACENT RECEPTACLE SHALL	VERT - VFD - YFMR, T- T
		LOCATE DEVICE AT 18" TO CL OR AS NOTED.	FLOOR BOX OR CEILING COMBINATION DATA / TELEPHONE OUTLET SEE SPECIFICATIONS AND PLANS FOR REQUIREMENTS (TYIPCAL), PROVIDE TWO (2) CAT 5E CABLES BETWEEN DEVICE BOX AND SEERVICE PEDESTAL OR ENCLOSURE.	REFERENCE DRAWINGS FOR LOCATIONS	
	FLUSH FLOOR BOX ASSEMBLY WITH POWER/ COMMUNICATION CAPABILITY AS NOTED	FLUSH WITH FLOOR			
	OF SIMPLEX, DUPLEX AND QUADRAPLEX DEVICES LOCATE TH ARCHITECTURAL INTERIOR ELEVATIONS PRIOR TO ROUGH		FIRE ALARM SYSTE	EMS	
		lг	SMOKE / CARBON MONOXIDE ALARM. 120V AC.	REFERENCE DETAIL ON COMMUNICATIONS AND POWER PLAN FOR	
	MISCELLANEOUS		UNIT PROVIDE COMBINATION SMOKE / CARBON ALARM WITH STROBE FOR HANDICAP UNITS (UFAS UNIT). STROBES SHALL BE A 11T CANDELA STROBE.	ADDITIONAL INFORMATION. CEILING/WALL MOUNT TO HIGHEST PART OF CEILING WON. LOCATE 3 FT. FROM	
	REVISION NUMBER AS NOTED		PROVIDE ALL ELECTRICAL COMPONENTS FOR SIMULTANEOUS OPERATION OF ALARM TO EACH DETECTOR UPON DETECTION OF SMOKE OR CARBON	HYAC DIFFUSER DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S	
lacksquare	DRAWING KEYED NOTE		MONOXIDE. TYPICAL STROBE - PROVIDE STROBE FOR HANDICAP (UFAS) UNITS, STROBE SHALL BE RATED AT 117	RECOMMENDATIONS.	
NOTE:			CANDELA. 120V AC. PROVIDE ALL ELECTRICAL COMPONENTS FOR		
DEVICE	RICAL COMPONENTS SHALL BE DEFINED A E(S), DEVICE BOXES, OUTLET BOXES, ENCI E(S), RELAY(S), BREAKER(S), FUSE, FUSES,	LOSURE(S), RACEWAYS, RACEWAY	SIMULTANEOUS OPERATION OF ALARM TO EACH DETECTOR UPON DETECTION OF SMOKE OR CARBON MONOXIDE.		
COUPLI LUG BL WRAPS	INGS OR CONNECTORS, LOCKNUTS, WASHER OCKS WITH BOOTS, SLEEVES, SLIP WEDGE , STRAPS, COVER PLATES, WIRE, CABLING,	RS, LUGS, WIRE NUTS, E, BUSHINGS, TIE , DISCONNECTS,	NOTE: FIRE SMOKE / CARBON ALARMS SHALL BE RATE ENVIRONMENT EXPOSED. ALL DETECTORS SHALL	BE INSTALLED IN	
TRANSF Engra	: STARTERS, PAINT, REBAR, CONCRETE, CU FORMERS, BALLAST ,PLYWOOD, ENGRAVEI VED PLACARDS, CORD CAPS, CORDS, JA AULKING. SCREWS, BEAM CLAMPS, PROGR.	D NAMEPLATES, ACK CHAIN, CHANNEL,	ACCORDANCE WITH MANUFACTURER'S RECOMMEN LOCATIONS SHALL BE COMPLIANT WITH NFPA 12.	NUATIONS.	
, TIRE CA		 ,			

DRIVERS, BALLAST, STROBES, DOME LIGHTS, HORNS, SPEAKERS,

BATTERIES, GROUNDING / BONDING CONDUCTORS, WIRE TAGS, ETC...

ABBREVIATIONS

- RAINPROOF ENCLOSURE (NEMA 3R)
- AMPERES
- AIR CONDITIONER
- AMPERE FRAME
- AVAILABLE FAULT CURRENT
- ARC FAULT CURRENT INTERRUPTER
- ABOVE FINISHED FLOOR (OR NOTED AFF.)
- ABOVE FINISHED GRADE
- AIR HANDLING UNIT
- AMPERES INTERRUPTING CAPACITY
- ALUMINUM
- SOUND AMPLIFIER, AMPERE
- AMERICAN WIRE GAUGE
- AUDIO VISUAL
- BELOW FINISHED GRADE

CONDUIT
CABINET
CATEGORY
CIRCUIT BREAKER
CLOSED CIRCUIT TELEVISION
CENTERLINE
CIRCUIT

- CENTERLINE
- CIRCUIT
- CONCRETE MASONRY UNIT
- CENTER OF BOX
- CURRENT TRANSFORMERS
- CONDENSING UNIT, COPPER
- DIAMETER
- DOWN
- DISCONNECT SWITCH
- DRAWING
- EXISTING
- ELECTRICAL CONTRACTOR

- EXHAUST FAN
- EQUIPMENT GROUND
- EMERGENCY
- ELECTRICAL METALLIC TUBING
- ENCLOSURE
- EMERGENCY POWER OFF
- ELECTRIC WATER COOLER
- ELECTRIC WATER HEATER
- EXISTING
- FIRE ALARM
- FIRE ALARM ANNUNCIATOR PANEL

FIRE ALARM TERMINAL CABINET
FURNISHED BY OTHERS
FOOT CANDLES
FIRE ALARM CONTROL PANEL
FAN COIL UNIT
FULL LOAD AMPERES
FIRE ALARM POWER LIMITED
FIBER OPTIC
COMBINATION FIRE/SMOKE DAMPER

- COMBINATION FIRE/SMOKE DAMPER
- FEET
- GROUND
- GENERAL CONTRACTOR
- GROUND FAULT INTERRUPTER
D, G - GROUND
- HEATING/AIR-CONDITIONING/REFRIGERATION

HANDICAPPED

- HORSEPOWER, HEAT PUMP
- HEIGHT
- HEATING, VENTILATING, AIR CONDITIONING
- INTERRUPTING CAPACITY
- ISOLATED GROUND
- INTERMEDIATE METAL CONDUIT (STEEL)
- AMPS SHORT CIRCUIT AVAILABLE
- JUNCTION BOX
L - THOUSAND CIRCULAR MILS

- KILOWATT
- KILOWATT HOUR
- KILOWATT HOUR
- KILOWATT HOUR
- LICYOLT AMPERES
- LIGHTING
- RAINPROOF ENCLOSURE (NEMA 3R)
- MAXIMUM
- MAIN CIRCUIT BREAKER
- THOUSAND CIRCULAR MILS

- MINIMUM - MAIN LUGS ONLY - MAIN DISTRIBUTION FRAME - MICROWAVE - NEUTRAL

- NOT APPLICABLE
- NATIONAL ELECTRICAL CODE
- NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
- NOT FUSED
- NATIONAL FIRE PROTECTION ASSOCIATION
- NOT IN CONTRACT

- NIGHT LIGHT
- NOT TO SCALE
- PULL BOX, PUSHBUTTON
- PHOTOCELL
- POWER FACTOR
- PHASE
- PANEL

POWER OVER ETHERNET
POLYVINYL CHLORIDE
RANGE
RECEPTACLE
REFERENCE, REFRIGERATOR
RUNNING LOAD AMPERES
ROOM
SHORT CIRCUIT AMPERE

- SMOKE DETECTOR
- SERVICE ENTRANCE
- SECONDS, SECONDARY
- SURGE PROTECTIVE DEVICE
- SPECIFICATIONS
- STAINLESS STEEL
- SHUNT TRIP
- TOP OF BOX
- TAMPTER RESISTANT

- TAMPTER RESISTANT
- TELEPHONE TERMINAL BOARD
- TELEVISION
- TELEVISION TERMINAL BOARD
- TYPICAL
- UNDERCOUNTER
- UNDERGROUND
- UNLESS OTHERWISE NOTED
- UNTWISTED PAIR

VOLTS
VERTICAL
VARIABLE FREQUENCY DRIVE
TRANSFORMER

ELECTRICAL GENERAL NOTES

 CONTRACTOR SHALL BE LICENSED BY THE STATE OF FLORIDA ACCORDING TO CHAPTER 489, FLORIDA STATUTES AND SHALL PROVIDE FOR AND ACQUIRE ALL NECESSARY PERMIT(S) AND INSPECTIONS AS MAY BE REQUIRED BY THE AHJ.
 INSTALLATION SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS OF THE APPLICABLE CODES AS LISTED. 2023 FLORIDA BUILDING CODE (FBC) THE EDITION, FLORIDA ADMINISTRATIVE CODE 61G15-32.008 REQUIREMENTS, 2020 NFPA 10 NATIONAL ELECTRIC CODE (NEC), 2019 NFPA 12 NATIONAL FIRE ALARM AND SIGNALING CODE, 2018 NFPA 101 LIFE SAFETY CODE, 2016 ASHRAE 9.1 ENERGY STANDARD FOR BUILDING EXCEPT LOWERSE RESIDENTIAL BUILDINGS (EXCEPTION

STANDARD FOR BUILDING EXCEPT LOW RISE RESIDENTIAL BUILDINGS (EXCEPTION SECTION 8.4.2, 8.4.3, AND 9.4.1.1(G) ARE NOT REQUIRED).

3. THE CONTRACTOR SHALL FURNISH ALL MATERIALS AND LABOR NECESSARY TO PROVIDE FOR THE INSTALLATION OF A COMPLETE ELECTRICAL DISTRIBUTION

4. PROVIDE ANY AND ALL NECESSARY TEMPORARY CONNECTIONS OF EQUIPMENT, DEVICES OR LUMINAIRES AS MAY BE REQUIRED FOR CONSTRUCTION.

5. CONDUIT SHALL BE INSTALLED CONCEALED, RECESSED AND IN A NEAT AND WORKMANLIKE MANNER, ALL CONDUIT SHALLED PARALLEL OR PARALLEL

PPERPENDICULAR TO BUILDING LINES. EXPOSED CONDUIT ON EXTERIOR WALLS OF FINISHED WALLS IS PROHIBITED.

6. CONDUIT SHALL BE EMT AND FITTINGS SHALL BE STEEL. FOR UNDERGROUND AND UNDER SLAB INSTALLATIONS, CONDUIT SHALL BE PYC OR IMC W/AN ASPHALTIC COATING. ENT OR "SMURF" TUBING IS NOT APPROYED.

7. CONDUCTORS IN CONDUIT INSTALLED EXPOSED TO DIRECT SUNLIGHT SHOULD BE

DE-RATED DEPENDING ON THE DISTANCE BETWEEN THE ROOF & BOTTOM OF

CONDUIT PER NEC 310.15(B)3(C) & SHOULD BE INSTALLED USING THE APPROPRIATE SPACER.

8. PROVIDE AN INDEPENDENT MEANS OF SUPPORT FOR CONDUIT INSTALLED ABOVE A CEILING WHERE THEY ARE DISTINGUISHABLE BY COLOR, TAGGING OR OTHER EFFECTIVE MEANS. THE CEILING SUPPORT SYSTEM SHALL BE PERMITTED TO SUPPORT BRANCH CIRCUIT WIRING WHERE INSTALLED IN ACCORDANCE WITH THE

SUPPORT BRANCH CIRCUIT WIRING WHERE INSTALLED IN ACCORDANCE WITH THE CEILING MANUFACTURER'S INSTRUCTIONS.

9. PROVIDE AN INSULATED THROAT FITTING OR PLASTIC BUSHING FOR ALL I" & LARGER CONDUIT TERMINATIONS IN LOAD CENTERS, WIREWAYS AND DISCONNECT SWITCHES.

10. BOND ALL JUNCTION AND PULL BOXES TO GROUND.

11. ALL WIRE SHALL BE COPPER THHN, THUN OR XHHW UON. MINIMUM WIRE SIZE IS *12.

AMPACITIES ARE CALCULATED USING THE 15°C COLUMN.

12. ALL WIRING DEVICES SHALL BE TERMINATED AT THE SCREW IN A CLOCKWISE DIRECTION. THE PUSH-IN TERMINATIONS SHALL NOT BE USED.

13. TOTAL BRANCH CIRCUIT YOLTAGE DROP SHALL NOT EXCEED A TOTAL OF 5%. WIRE

SHALL BE UPSIZED IN ACCORDACNE WITH NEC.

14. INSTALL A FULL SIZE NEUTRAL TO ALL DEVICES INCLUDING SWITCHES.

15. CONDUCTORS SHALL BE TWISTED TOGETHER PRIOR TO INSTALLATION OF WIRE NUT.

16. ALL BOXES SHALL BE A 4" SQUARE METAL BOX WITH THE APPROPRIATE RING. THE MAXIMUM GAP AROUND ANY RECESSED BOX SHALL NOT EXCEED 1/8" AND THE MAXIMUM SETBACK SHALL NOT EXCEED 1/4" PER NEC 314.20 \$ 314.21.

17. VERIFY DOOR SWINGS AND BACK SPLASH HEIGHTS AT ROUGH IN.
18. STAGGER BACK TO BACK WALL BOXES IN ALL WALLS BY AT LEAST ONE STUD.
19. ALL EXTERIOR RECEPTACLES SHALL BE WEATHER RESISTANT PER NEC 406.4.
20. PROVIDE ARLINGTON "IN BOX" IN USE COVERS FOR ELECTRICAL DEVICES INSTALLED IN DAMP AND WET AREAS WITH THE APPROPRIATE DUTY PER NEC 406.9.

PROVIDE FIRE RATED, FIVE SIDED, BOXES FOR FIRE RATED WALLS AND CEILINGS.
 CONFIRM LOCATIONS OF CEILINGS AND WALLS WITH ARCHITECTURALS PRIOR TO
 ELECTRICAL ROUGH-IN INSPECTIONS.
 ALLLOAD CENTER BUS SHALL BE COPPER.
 EACHLOAD CENTERS AND DISCONNECTING MEANS SHALL BE MARKED TO

23. EACHLOAD CENTERS AND DISCONNECTING MEANS SHALL BE MARKED TO INDICATE ITS PURPOSE, FEED, AND OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED PER NEC 110.22.
24. INSTALL LOAD CENTERS AND DISCONNECTS SO THAT AT LEAST 3 1/2' OF WORKING SPACE CAN BE MAINTAINED PER NEC 110.26 AND DETAIL.

ENDS.
26. "TYPICAL" NOTES APPLY TO ALL SIMILAR SITUATIONS.
21. PROVIDE A DISCONNECTING MEANS FOR EACH WATER HEATER PER FPC 504.3.
28. PROVIDE OPERATING AND INSTALLATION INSTRUCTIONS TO THE OWNER FOR ALL INSTALLED EQUIPMENT.

. ELECTRICAL EQUIPMENT SUPPORT WIRES SHALL BE TAUT & FASTENED AT BOTH

NEW OR REPAIRED.

30. LUMINAIRES INSTALLED IN SUSPENDED CEILINGS SHALL BE FASTENED TO THE CEILING FRAMING MEMBERS WITH LISTED CLIPS IN ACCORDANCE WITH NEC 410.36(B) AND DETAIL.

31. PROVIDE DOCUMENTATION WITH CLOSE OUT DOCUMENT PROVING THAT ANY AND

. PROVIDE A DISCONNECTING MEANS IN ALL LED LUMINAIRES THAT ARE INSTALLED

ALL BALLASTS AND LAMPS HAVE BEEN RECYCLED BY AN APPROVED RECYCLING VENDOR.

32. PROVIDE THE APPROPRIATE FIRE STOP SYSTEM AND/OR FIRE CAULK AT ANY PENETRATION OF A RATED VERTICAL ASSEMBLY.

33. PENETRATIONS OF A RATED HORIZONTAL ASSEMBLY WITH A METAL CONDUIT NOT

33. PENETRATIONS OF A RATED HORIZONTAL ASSEMBLY WITH A METAL CONDUIT NOT EXCEEDING 6 INCH NOMINAL DIAMETER, INSTALL CONCRETE, GROUT, OR MORTAR THE FULL THICKNESS OF THE FLOOR AS REQUIRED BY FBC 113.4.1.1 SO TO MAINTAIN THE FIRE RESISTANCE RATING. FOR MULTIPLE PENETRATIONS, REFER TO THE FBC. 34. ALL JUNCTION BOXES ARE TO BE ACCESSIBLE PER NEC ARTICLE 100.

3. RECEPTACLES INSTALLED WITHIN 6' OF WATER SOURCE SHALL BE GFIC

35. NOT ALL ITEMS, NOTES, DETAILS, ABBREVIATIONS, SCHEDULES AND LEGENDS ON
THIS SHEET MAY BE APPLICABLE TO THIS PROJECT.
36. INSTALL ALL PLATES SO EDGES ARE FLUSH WITH WALL SURFACE.
37. PROVIDE ALL NECESSARY JUNCTION BOXES, SHOWN AND NOT SHOWN, THAT MAY BE
REQUIRED FOR A COMPLETE AND ACCESSIBLE CODE COMPLIANT INSTALLATION.

IRREGARDLESS OF PLAN DESIGNATION. COORDINATE INSTALLATION OF RECEPTACLES SHOWN ADJACENT TO MILLWORK WITH ARCHITECTURAL ELEVATIONS SO THEY ARE ACCESSIBLE. LOCATIONS SHOWN ON PLAN ARE DIAGRAMMATIC.
39. INSTALL A BOX AND SUPPORT FOR A TOLB DYNAMIC LOAD AT ALL CEILING FANS.
40. WHERE A LUMINAIRE IS INSTALLED MOUNTED TO A BOX, INSTALL A BOX AND SUPPORT RATED FOR A 50LB STATIC LOAD. SUCH LUMINAIRES INCLUDE BUT ARE NOT LIMITED TO EXIT LIGHTS, EGRESS LIGHTING, WALL PACS & WALL MOUNTED

WHERE A CONDUCTOR IS TOO LARGE TO TERMINATE TO A BREAKER OR DISCONNECT, PROVIDE AND INSTALL A STEP DOWN COMPRESSION ADAPTOR OR COUPLER REDUCER.

WALL LUMINAIRES SHALL BE INSTALLED AFTER WALL FINISHES HAVE BEEN APPLIED.

WALL LUMINAIRES SHALL BE INSTALLED AFTER WALL FINISHES HAVE BEEN APPLIED.
 WHEN AVAILABLE, ALL BREAKERS SHALL MATCH EXISTING STYLE AND TYPE, FOR
ASSOCIATED PANELBOARD.
 PROVIDE HACR BREAKERS FOR ALL HYAC EQUIPMENT AND GFCI BREAKERS FOR
DRINKING FOUNTAINS.

45. PROVIDE DUAL FUNCTION, GFCI/AFCI BREAKERS FOR DISHWASHERS, PROVIDE AS BUILT DRAWINGS AND A COPY OF APPROVED SHOP DRAWINGS UPON COMPLETION PER FLORIDA ENERGY CODE C405.1.4.

46. INSTALL EQUIPMENT AND SYMBOLS ARE SHOWN ARE DIAGRAMMATIC CONTRACTOR IS RESPONSIBLE FOR CONFIRMING EXACT DIMENSIONS PRIOR TO CONSTRUCTION.

41. BACK TO BACK BOXES SHALL NOT BE INSTALLED. PROVIDE FIRE RATED PADS AS REQUIRED.
48. IF NOT PROVIDED WITH EQUIPMENT, PROVIDE MOTOR STARTER WITH OVERLOAD PROTECTION SIZED IN ACCORDANCE WITH NEC.
49. CONTRACTORS SHALL COMPLY BY ALL APPLICABLE CODES AND STANDARDS AS ADOPTED BY FLORIDA STATE MARSHALL'S RULE CHAPTER 69A-3.012 AND 69A-60, FLORIDA ADMINISTRATIVE CODE (FAC), INCLUDING BUT NOT LIMITED TO, NFPA 101

(2015 EDITION), NFPA 70 (2014 EDITION), NFPA 72 (2013 EDITION), NFPA 99 (2015

EDITION), NFPA 110 (2013 EDITION), FLORIDA BUILDING CODE (2011 EDITION) WITH THE

THE USE OF MC, MC-PCS, MC-HCF IS ALLOWED ON THIS PROJECT SUBJECT TO THE LIMITATIONS SET FORTH BELOW AND ACCORDING TO PARAMETERS SET FORTH IN NEC 70 ARTICLE 330.

1. MC CABLE CAN BE USED TO CONNECT LUMINAIRES INSTALLED WITHIN AN ACCESSIBLE CEILING TO A JUNCTION BOX WHEN THE LENGTH DOES NOT EXCEED SIX FEET. IN SUCH INSTALLATIONS, THE MC CABLE FITTINGS SHALL BE PERMITTED AS MEANS OF CABLE SUPPORT.

2. MC CABLE CAN BE USED TO CONNECT DEVICES INSTALLED CONCEALED INSIDE A WALL CAVITY.

3. MC CABLE CAN BE USED TO CONNECT THE LAST DEVICE IN A CIRCUIT TO A HOMERUN JUNCTION BOX MOUNTED ON OR ADJACENT TO THE FRAMING TOP PLATE.

4. MC CABLE USE SHALL BE LIMITED TO #12, #10 AND #6 COPPER

5. MC CABLE SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO BUILDING LINES AND FRAMING MEMBERS.

6. MC CABLE SHALL BE USED FOR BRANCH CIRCUITS ONLY. HOMERUNS SHALL BE IN CONDUIT.

MC CABLE SHALL BE PROTECTED WHEN INSTALLED THROUGH OR RUN PARALLEL TO FRAMING MEMBERS SO THAT THE NEAREST OUTSIDE SURFACE IS AT LEAST 1 1/4" FROM THE NEAREST EDGE OF THE FRAMING MEMBER. WHEN THIS DISTANCE CAN NOT BEMAINTAINED, THE CABLE SHALL BE PROTECTED FROM SCREW OR NAIL PENETRATION BY A STEEL PLATE, SLEEVE, OR EQUIVALENT OF AT LEAST 1/16" THICK.

TYPE NM CABLE

TYPE NM CABLE MAY BE USED - PRIOR TO INSTALLATION CONTRACTOR SHALL REQUEST A LETTER FROM THE ENGINEER.

COMPLETION REQUIREMENTS

WITHIN 30 DAYS OF CERTIFIED OCCUPANCY, THE ELECTRICAL CONTRACTOR SHALL PROVIDE A SINGLE LINE DIAGRAM OF THE ELECTRICAL DISTRIBUTION SYSTEM WITH FLOOR PLANS INDICATING LOCATION OF AREAS SERVED.
ADDITIONALLY, OPERATING AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT SHALL BE PROVIDED ALONG WITH THE NAMES AND ADDRESSES OF A QUALIFIED SERVICE AGENCY.



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ISSUED

DATE: ISSUED FOR:
122823 CONSTRUCTION DOCUMENTS

	REVISIONS			
NO:	DATE:	DESCRIPTION		

PROJECT NO: 23002.00

DRAWN BY: DG

PROJECT MANAGER:

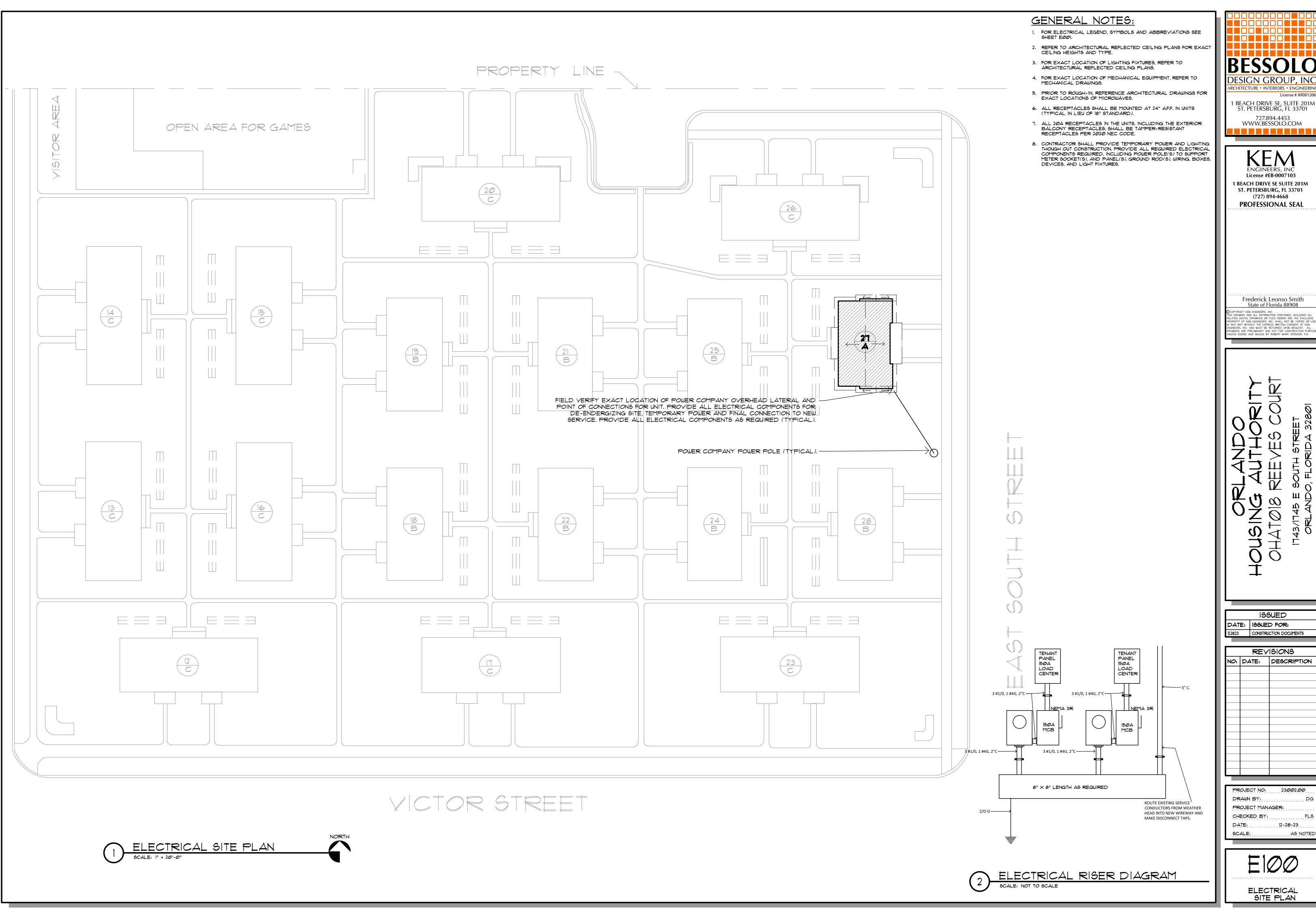
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DATE: 12-28-23

SCALE: NOT TO SCALE

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GENERAL INFORMATION



RCHITECTURE • INTERIORS • ENGINEERIN

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ENGINEERS, INC License #EB-0007103

BEACH DRIVE SE SUITE 201M ST. PETERSBURG, FL 33701 (727) 894-4668 PROFESSIONAL SEAL

Frederick Leonso Smith State of Florida 88908

ISSUED DATE: ISSUED FOR: 122823 CONSTRUCTION DOCUMENTS

REVISIONS NO: DATE: DESCRIPTION

PROJECT MANAGER: 12-28-23 AS NOTED

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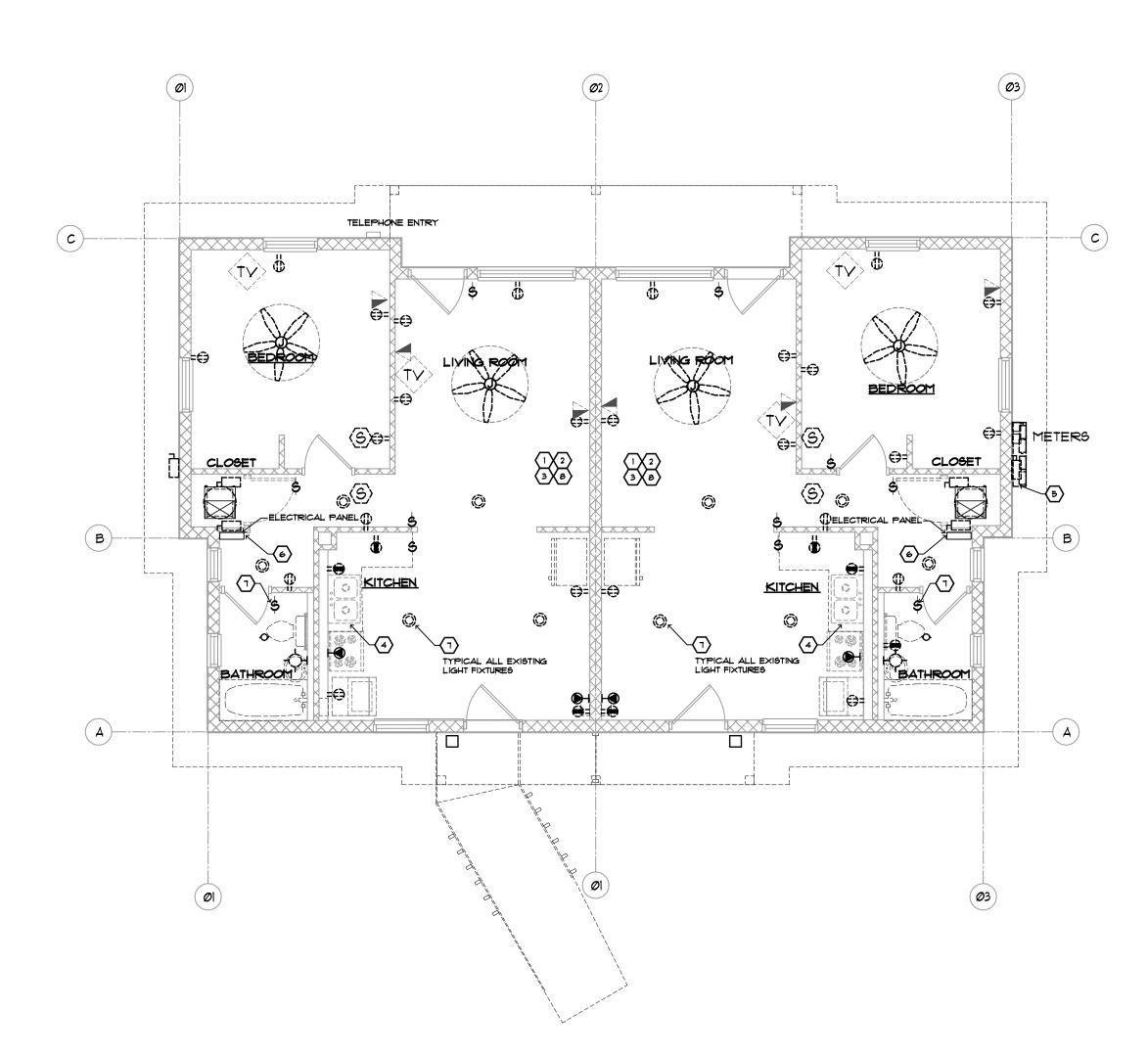
ELECTRICAL SITE PLAN

KEY NOTES

- DEMOLISH FIRST LEVEL LOAD CENTER, DEVICES, WIRING FOR BRANCH CIRCUITS, CABLING FOR TELEPHONE / DATA, CABLE TV CABLE AND DEVICES, CONDUIT, WIREMOLD, VOLTAGE CABLING AND OTHER EXISTING ELECTRICAL COMPONENTS...
- THE DRAWINGS ARE DIAGRAMATIC AND ARE COMPOSED FROM SITE VISITS AND EXISTING DRAWINGS. PROVIDE THE TIME AND LABOR REQUIRED TO CONFIRM ALL BRANCH CIRCUITS PRIOR TO WORK.
- 3. EXISTING WALLS ARE TO BE MODIFIED NEW PAINT, AND WALL TREATMENTS, SHALL BE INSTALLED. DEMOLISH ALL ELECTRICAL DEVICES, EQUIPMENT, WIRING, AND CABLING.
- 4. KITCHEN SHALL BE REMODELED. DEMOLISH ALL ELECTRICAL DEVICES, EQUIPMENT, WIRING, AND CABLING.
- 5. EXISTING DUAL METER SOCKETS SHALL BE DEMOLISHED. PROVIDE NEW SERVICE AS INDICATED ON NEW ELECTRICAL DRAWINGS.
- 6. EXISTING LOAD CENTER SHALL DEMOLISHED. PROVIDE NEW LOAD CENTER AS INDICATED ON NEW CONSTRUCTION DRAWINGS.
- 7. EXISTING CEILING SHALL BE DEMOLISHED. DE-ENERGIZE ALL ELECTRICAL BRANCH CIRCUITS. TYPICAL FOR ALL LIGHT FIXTURES TO BE DEMOLISHED...
- 8. PRIOR TO BID, ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH PROJECT SCOPE.

ELECTRICAL DEMOITION GENERAL NOTES:

- THE DRAWINGS ARE DIAGRAMATIC AND ARE COMPOSED FROM SITE VISITS AND EXISTING DRAWINGS.
 PROVIDE THE TIME AND LABOR REQUIRED TO CONFIRM ALL BRANCH CIRCUITS PRIOR TO WORK.
- EXISTING WALLS ARE TO BE MODIFIED NEW PAINT, AND WALL TREATMENTS, SHALL BE INSTALLED.
 PROVIDE THE TIME AND LABOR TO DE-ENERGIZE BRANCH CIRCUITS. REMOVE DEVICES AND WIRING
 AND DISPOSE AS REQUIRED.
- 3. SAW CUT OF FLOOR SHALL BE COORDINATED TO PREVENT DUST FROM DAMAGING ANY EXISTING TO REMAIN, OR NEW, BUILDING INTERIOR FURNITURE, FLOORING, WALL TREATMENTS, AND EQUIPMENT. PROVIDE TENTING, WATER, YACUUM, ETC... IN ORDER TO CUT DOWN ALL DUST AND MINIMIZE NOISE. ALL DAMAGE AS A RESULT SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTORS EXPENSE.
- 4. PROVIDE THE TIME AND LABOR REQUIRED TO CONFIRM ALL WALLS SCHEDULED FOR DEMOLITION. PRIOR TO DEMOLITION OF WALLS WALLS WITH ELECTRICAL DEVICES SHALL BE REMOVED TO POINT OF ORIGIN IN ORDER TO DE-ENERGIZE WALL. BRANCH CIRCUIT CONDUIT AND CONDUCTORS THAT SERVE UPSTREAM AND DOWN STREAM DEVICES.
- 5. PROVIDE ALL ELECTRICAL COMPONENTS REQUIRED FOR ANY NEW BRANCH CIRCUITS REQUIRED.
- 6. PRIOR TO BID, ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH PROJECT SCOPE
- 1. PROVIDE TEMPORARY POWER AND LIGHTING DURING CONSTRUCTION AS REQUIRED.
- 8. EXISTING CEILINGS ARE TO BE DEMOLISHED REMOVE AND DISPOSE OF ALL LIGHT FIXTURES, SMOKE ALARMS AND WIRING AS REQUIRED.









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ORLANDO HOUSING AUTHORITY OHATOIS REEVES COURT

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28.23	CONSTRUCTION DOCUMENTS		

REVISIONS		
NO:	DATE:	DESCRIPTION

PROJECT NO: 2300200

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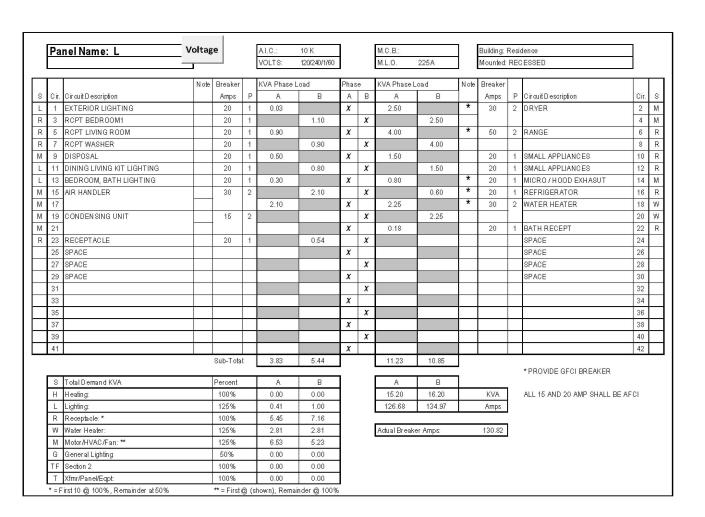
PROJECT MANAGER:

CHECKED BY: FLS

DATE: 12-28-23

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

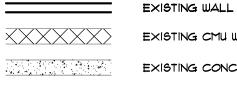




LIGHT FIXTURE SCHEDULE

В	SEAGULL LIGHTING - 4424603EN3-962 ALTURAS BRUSHED NICKEL TRIM. ETCH WHITE GLASS 9.13" H x 1.50" D x 22" W	LOCATE DEVICE 4" ABOVE MIRROR (3) A-19 LED BULB 285 WATTS
С	JUNO - JSF-5-3ØK-9ØCRI-12ØFRPC-WHT" WHITE SLIM FORM LED SURFACE MOUNT WET LOCATION LABEL	CEILING MOUNTED INTEGRAL LED LAMPS 10 WATTS
D	JUNO - JSF-1-30K-90CRI-120FRPC-WH1" WHITE SLIM FORM LED SURFACE MOUNT WET LOCATION LABEL	CEILING MOUNTED INTEGRAL LED LAMPS 13 WATTS
E	LITHONIA - FMSATL-13-208-30-BZA 13' DIAMETER	CEILING MOUNTED INTEGRAL LED LAMPS 16 WATTS
F	PROGRESS LIGHTING - P2502-30-30-P2611-30WB WHITE 52" CEILING FAN	CEILING FAN 53 WATTS WITH WATT 2 LAMP LED LIGHT KIT P2611-3ØWB. 61 WATTS

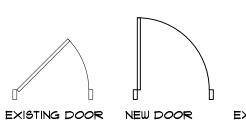
WALL LEGEND



TO REMAIN

EXISTING CMU WALL EXISTING CONCRETE WALL

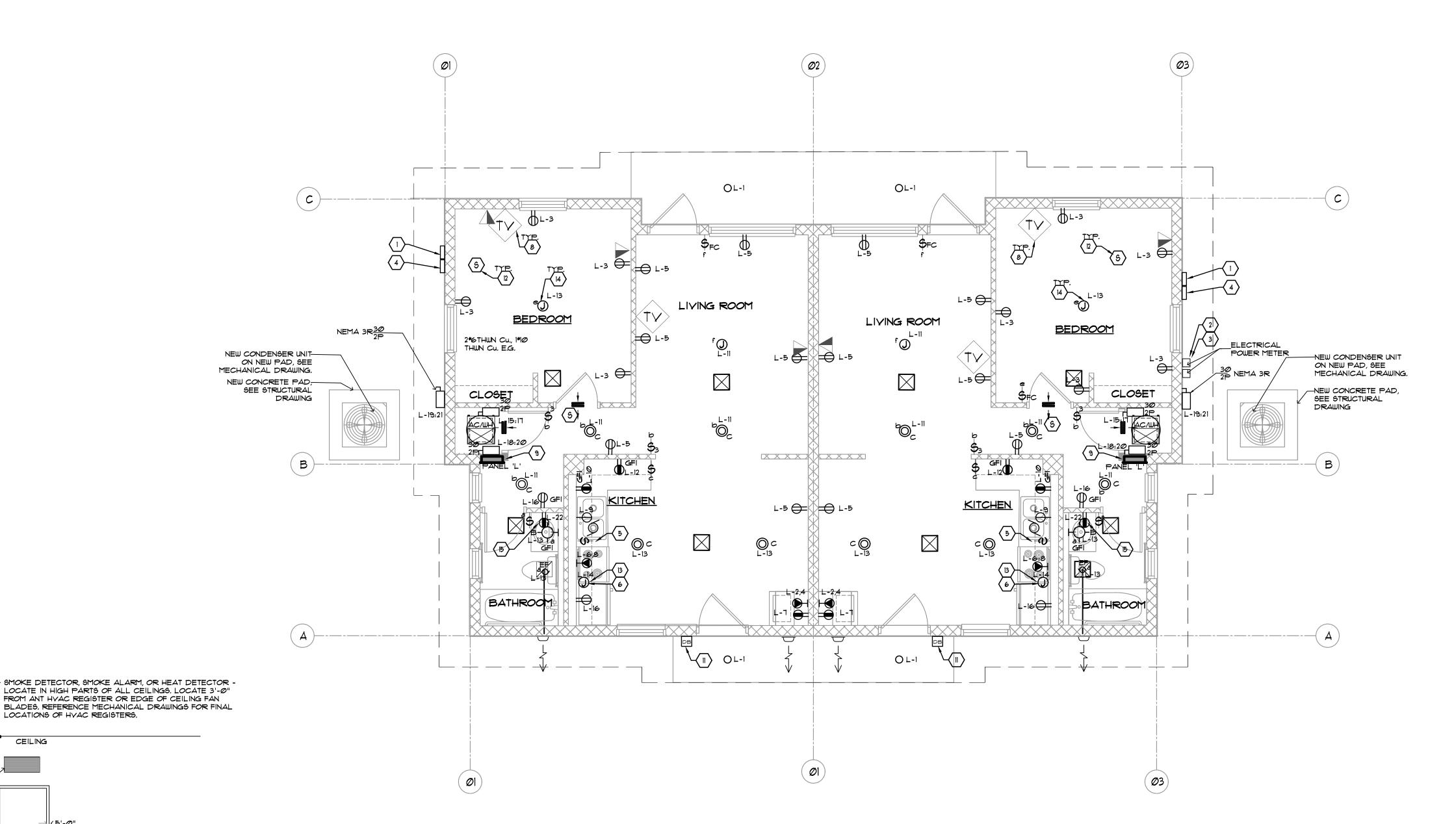
NEW FRAMED WALL NEW CMU WALL



EXISTING WINDOW

TO REMAIN

NEW WINDOW



GENERAL NOTES:

- 1. FOR ELECTRICAL LEGEND, SYMBOLS AND ABBREVIATIONS SEE
- 2. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT CEILING HEIGHTS AND TYPE.
- 3. FOR EXACT LOCATION OF LIGHTING FIXTURES, REFER TO

ARCHITECTURAL REFLECTED CEILING PLANS.

EXACT LOCATIONS OF MICROWAVES.

- 4. FOR EXACT LOCATION OF MECHANICAL EQUIPMENT, REFER TO
- MECHANICAL DRAWINGS. 5. PRIOR TO ROUGH-IN, REFERENCE ARCHITECTURAL DRAWINGS FOR
- 6. ALL RECEPTACLES SHALL BE MOUNTED AT 24" A.F.F. IN UNITS (TYPICAL IN LIEU OF 18" STANDARD).
- 7. ALL 20A RECEPTACLES IN THE UNITS, INCLUDING THE EXTERIOR BALCONY RECEPTACLES, SHALL BE TAMPER-RESISTANT
- RECEPTACLES PER 2014 NEC CODE.
- 8. SUBSCRIPT DESIGNATIONS ADJACENT TO DEVICES, LUMINAIRES OR OUTLETS INDICATE CIRCUIT DESIGNATIONS. 9. RECEPTACLE SPACING BASED ON NEC ARTICLE 21060 PROVIDE
- NUMBER OF DEVICES AS REQUIRED. 10. FAN CONTROLLER FC SHALL CONTROL FAN SEPARATE FROM FAN LIGHTING AT WALL SWITCH. ALL FAN CONTROLS SHALL NOT REQUIRE PINCHING AND COMPLY WITH FBC 11-4.27.4. PUSHBUTTONS SHALL BE PROVIDED OR APPROVED ALTERNATE.
- II. FOR PANEL DESIGNATIONS FOR EACH CIRCUIT INDICATED IN UNIT PLANS REFER TO PARTIAL POWER PLANS.

12. PROVIDE A HARDWIRED, DOORBELL SYSTEM WITH STROBE/CHIME

- TYPE SIGNALER FOR ALL HANDICAP UNITS, PROVIDE CHIME/ STROBE IN SLEEPING AREAS AND LIVING ROOMS. PROVIDE EDWARDS 1005-G5 OR APPROVED EQUAL.
- 13. PROVIDE FIVE SIDED BOXES REQUIRED FOR FIRE RATED WALLS AND CEILINGS.
- 14. FOR HANDICAP UNIT (INCLUDING HEARING IMPAIRED) PROVIDE HORN / STROBES IN SLEEPING AREAS, LIVING SPACES AND BATHROOMS. (THE LIVING ROOM IS A SLEEPING AREA).
- 15. HORN / STROBES FOR HANDICAP UNIT IN SLEEPING SPACES, LIVING ROOM AND BATH SHALL BE LOCATED 24" OR GREATER FROM THE
- 16. PROVIDE ARC FAULT CIRCUIT INTERRUPTER CIRCUIT BREAKERS FOR ALL 120 VOLT 15 AND 20 AMP BRANCH CIRCUITS. SUPPLING OUTLETS OR DEVICES IN KITCHENS, FAMILY ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS, OR SIMILAR
- 17. REFERENCE ARCHITECTURAL DRAWINGS FOR LOCATION OF HANDICAP UNIT(S).
- 18. SMOKE ALARMS SHALL CONNECTED TO BRANCH CIRCUIT INDICATED. PROVIDE ALL WIRING TO POWER THE SMOKE ALARMS AND TO TIE ALARMS TOGETHER TO ALARM SIMULTANEOUSLY.

KEY NOTES:

- PROVIDE LOW VOLTAGE ACCESS POINT / REQUIRED ENCLOSURE - LOW VOLTAGE DISTRIBUTION EQUIPMENT FOR TELEPHONE AND DATA.
- 2. EXISTING METER LOCATION SHALL BE MAINTAINED. PROVIDE COORDINATION WITH POWER COMPANY, PROVIDE NEW WEATHER HEAD AND REWORK RISER CONDUITS TO CONFORM WITH NEW ROOF, PROVIDE NEW CONDUCTORS BETWEEN WEATHER HEAD AND NEW PANEL. REFERENCE TYPICAL ELECTRICAL RISER DIAGRAM FOR ADDITIONAL INFORMATION.
- 3. PROVIDE NEW NEMA 3R METER SOCKET IN ACCORDANCE WITH POWER COMPANY SPECIFICATIONS. REFERENCE ELECTRICAL RISER DIAGRAM FOR ADDITIONAL IN
- 4. PROVIDE CABLE TY ACCESS POINT, PROVIDE NEMA 3R ENCLOSURE IN ACCORDANCE WITH SERVICE PROVIDERS RECOMMENDATIONS.
- 5. PRIOR TO ROUGH-IN, LOCATE MOTOR RATED, DISPOSAL SWITCH FOR DISPOSAL LEVEL WITH RECEPTACLE. RECEPTACLE FOR DISPOSAL MOTOR SHALL BE LOCATED WITHIN MILLWORK (INSIDE THE CABINET) COORDINATE WITH ARCHITECTURAL DRAWINGS, AND APPROPRIATE TRADES IN ORDER TO AVOID CONFLICTS. INSTALLATION SHALL BE IN ACCORDANCE WITH
- 6. UNDER CABINET MICROWAVE / HOOD EXHAUST. VERIFY SUITABLE LOCATION OF RECEPTACLE WITH DETAILED ELEVATIONS ON E002 AND MICROWAVE MANUFACTURER'S RECOMMENDATIONS PRIOR TO ROUGH-IN. FOR HANDICAP (UFAS) KITCHEN(S) PROVIDE CONNECTION TO HOOD EXHAUST AND PROVIDE SWITCH AS INDICATED.
- 1. DRYER BETWEEN UNIT PANEL AND DRYER RECEPTACLE PROVIDE 240 THUN CU. PHASE, 142 THUN CU. NEUTRAL, AND 142 THUN CU. EQUIPMENT GROUND, TERMINATE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- 8. TY LOCATION BETWEEN EACH CABLE CONNECTOR AND UNIT LOW YOLTAGE ENCLOSURE PROVIDE ONE RG6 COAXIAL CABLE AND TERMINATE CONNECTORS AS REQUIRED.

816485 LED LAMP AND CONTROL WITH TOGGLE SWITCH.

- 9. LOAD CENTER LOCATION FIELD VERIFY SUITABLE LOCATION AND WORK CLEARANCES. ALL CONDUCTORS SHALL BE CONCEALED. COORDINATE WITH OTHER TRADES AS REQUIRED. 10. ATTIC ACCESS - PROVIDE LEVITON 9726-C2 LAMP SOCKET, GE
- REFERENCE NEC 210.70(A) FOR ADDITIONAL INFORMATION. 11. PROVIDE A HARDWIRED, DOORBELL SYSTEM WITH CHIME TYPE SIGNALER. PROVIDE CHIME AS INDICATED ON FLOOR PLAN. PROVIDE NUTONE BKIIØNB OR APPROVED EQUAL. CONCEAL
- 12. PROVIDE SMOKE/ CARBON MONOXIDE ALARMS IN ACCORDANCE WITH NFPA 72, FLORIDA BUILDING CODE (RESIDENTIAL), TERMINATE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

TRANSFORMER TO GREATEST EXTENT POSSIBLE.

- 13. UNDER CABINET HOOD PROVIDE SWITCH AT COUNTER AS INDICATED. TERMINATE BRANCH CIRCUIT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- 14. PROVIDE A CEILING FAN RATED JUNCTION BOX.
- 15. MOUNT RECEPTACLE ABOVE BACKSPLASH.



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DEVICIONS				
REVISIONS				
NO:	DATE:	DESCRIPTION		

PROJECT NO: 23002.00 DRAWN BY: PROJECT MANAGER: CHECKED BY: 12-28-23 1/4" = 1'-0"

ELECTRICAL POWER & LIGHTING PLAN

ELECTRICAL POWER & LIGHTING PLAN

LOCATIONS OF HYAC REGISTERS.

CEILING

REGISTER -

FLOOR