

GENERAL DEMOLITION NOTES

1. UNLESS OTHERWISE NOTED:
a. ON DEMOLITION AND NEW WORK PLANS – DEVICES AND EQUIPMENT SHOWN IN LIGHT LINETYPE ARE EXISTING TO REMAIN.
b. ON DEMOLITION PLANS – DEVICES AND EQUIPMENT SHOWN IN DARK LINETYPE ARE EXISTING TO BE REMOVED
c. ON NEW WORK PLANS – DEVICES AND EQUIPMENT SHOWN IN DARK LINETYPE ARE NEW.
2. EXISTING CONDITIONS AND UTILITIES INDICATED ARE TAKEN FROM EXISTING CONSTRUCTION DOCUMENTS, VARIOUS SURVEYS AND FIELD INVESTIGATIONS. IT IS TO BE UNDERSTOOD THAT UNFORESEEN CONDITIONS PROBABLY EXIST AND NEW WORK MAY NOT BE FIELD LOCATED EXACTLY AS SHOWN ON THE DRAWINGS. COOPERATION WITH OTHER TRADES IN ROUTING AND/OR BURIAL DEPTHS AS DETERMINED DURING CONSTRUCTION AND AS DIRECTED BY THE ARCHITECT/ENGINEER MAY BE NECESSARY AND IT IS INTENDED THAT SUCH DEVIATIONS SHALL BE CONSIDERED A PART OF THIS CONTRACT. IT IS ALSO UNDERSTOOD THAT THE PLANS ARE NOT COMPLETELY TO SCALE. THIS CONTRACTOR IS TO FIELD VERIFY DIMENSIONS OF ALL SITE UTILITIES, ETC., PRIOR TO BID AND INCLUDE ANY DEVIATIONS IN THE CONTRACT.
3. LOCATE ALL EXISTING UTILITIES AND PROTECT THEM FROM DAMAGE.
4. REMOVE EXISTING POWER, LIGHTING, SYSTEMS MATERIALS AND EQUIPMENT WHICH ARE MADE OBSOLETE OR WHICH INTERFERE WITH THE CONSTRUCTION OF THE PROJECT.
5. REINSTALL ANY SUCH POWER, LIGHTING, SYSTEMS, MATERIALS AND EQUIPMENT WHICH ARE REQUIRED TO REMAIN ACTIVE FOR THE FACILITY TO BE FULLY FUNCTIONAL.
6. ALL RECEPTACLES, DEVICES, LIGHTING, SYSTEMS AND EQUIPMENT NOT SHOWN, AND IN AREAS OUTSIDE OF REMODELING SHALL REMAIN ACTIVE UNLESS OTHERWISE NOTED. FURNISH AND INSTALL ACCESSIBLE JUNCTION BOXES AND REWORK EXISTING CIRCUITS AS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY TO RECEPTACLES, DEVICES, LIGHTING,SYSTEMS AND EQUIPMENT.
7. ALL CONDUIT TO BE CONCEALED UNLESS IMPOSSIBLE DUE TO EXISTING CONDITIONS (I.E. EXPOSED STRUCTURAL CEILINGS, BUILDING EXTERIOR WALLS). CONCEAL ALL CONDUITS ABOVE CEILINGS OR WITHIN WALLS AND COUNTERS.
a. ALL NEW DEVICES TO BE FLUSH MOUNTED UNLESS SPECIFICALLY NOTED OTHERWISE.
b. INSTALL FLEXIBLE CONDUIT DOWN EXISTING WALLS TO NEW FLUSH OUTLETS.(IF EXISTING WALLS DO NOT CONTAIN HOLLOW VERTICAL CAVITIES AND IT IS NOT FEASIBLE TO CONCEAL THE CONDUIT THEN EXPOSED WIREMOLD PAINTED TO MATCH THE WALL SHALL BE USED).
8. ALL ITEMS REMOVED AND NOT REUSED SHALL BE TURNED OVER TO OWNER. DISCARD COMPLETE ITEMS WHICH OWNER ELECTS TO REFUSE.
9. PROVIDE TEMPORARY WIRING AND CONNECTIONS TO MAINTAIN EXISTING SYSTEMS IN SERVICE DURING CONSTRUCTION. WHEN WORK MUST BE PERFORMED ON ENERGIZED EQUIPMENT OR CIRCUITS, USE PERSONNEL EXPERIENCED IN SUCH OPERATIONS.
10. EXISTING ELECTRICAL SERVICE: MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS COMPLETE AND READY FOR SERVICE. DISABLE SYSTEM ONLY TO MAKE SWITCH OVERS AND CONNECTIONS. OBTAIN PERMISSION FROM OWNER AT LEAST 24 HOURS BEFORE PARTIALLY OR COMPLETELY DISABLING SYSTEM. MINIMIZE OUTAGE DURATION.
11. EXISTING FIRE ALARM SYSTEM: MAINTAIN EXISTING SYSTEM IN SERVICE UNTIL NEW SYSTEM IS ACCEPTED. DISABLE SYSTEM ONLY TO MAKE SWITCH OVERS AND CONNECTIONS. NOTIFY OWNER AND LOCAL FIRE SERVICE AT LEAST 24 HOURS BEFORE PARTIALLY OR COMPLETELY DISABLING SYSTEM. MINIMIZE OUTAGE DURATION. MAKE TEMPORARY CONNECTIONS TO MAINTAIN SERVICE IN AREAS ADJACENT TO WORK AREA.
12. REMOVE EXPOSED ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES.
13. DISCONNECT ABANDONED OUTLETS AND REMOVE DEVICES. REMOVE ABANDONED OUTLETS IF CONDUIT SERVING THEM IS ABANDONED AND REMOVED. PROVIDE BLANK COVER FOR ABANDONED OUTLETS WHICH ARE NOT REMOVED.
14. DISCONNECT AND REMOVE ABANDONED PANELBOARDS AND DISTRIBUTION EQUIPMENT.
15. DISCONNECT AND REMOVE ELECTRICAL DEVICES AND EQUIPMENT SERVING UTILIZATION EQUIPMENT THAT HAS BEEN REMOVED.CLEAN AND REPAIR EXISTING MATERIALS AND EQUIPMENT WHICH REMAIN OR ARE TO BE REUSED.
16. PANELBOARDS: CLEAN EXPOSED SURFACES AND CHECK TIGHTNESS OF ELECTRICAL CONNECTIONS. REPLACE DAMAGED CIRCUIT BREAKERS AND PROVIDE CLOSURE PLATES FOR VACANT POSITIONS. PROVIDE TYPED CIRCUIT DIRECTORY SHOWING REVISED CIRCUITING ARRANGEMENT.
17. ALL NEW CIRCUIT BREAKERS WITHIN EACH EXISTING PANELBOARD SHALL BE THE SAME MANUFACTURER TYPE, STYLE AND A.I.C. RATING OF EXISTING PANELBOARD.
18. EXISTING OUTLET BOXES AND CONDUIT WHICH ARE LOCATED PROPERLY FOR NEW WORK AND COMPLIES WITH SPECIFICATIONS MAY BE REUSED FOR NEW DEVICES AND WIRE.
19. ALL CONDUIT AND WIRE REMOVED SHALL BE TAKEN BACK TO THE SOURCE OF SUPPLY.
20. WHERE EXISTING EQUIPMENT OR MATERIALS ARE REMOVED OR CHANGED, ALL BRANCH CONDUITS, WHICH NO LONGER ARE IN SERVICE, SHALL BE REMOVED AS DIRECTED BY THE ARCHITECT. IF, IN THE COURSE OF THE WORK, OUTLETS ARE COVERED UP OR OTHERWISE RENDERED INACCESSIBLE, ALL WIRING TO SAME SHALL BE REMOVED TO THE SOURCE. IF A CIRCUIT THAT MUST REMAIN IN SERVICE IS INTERRUPTED THEREBY, IT SHALL BE RECONNECTED BY THE MOST INCONSPICUOUS MEANS SO AS TO REMAIN OPERATIONAL,WITH SAME CAPACITY AS BEFORE. ALL BUILDING SURFACES DAMAGED, AND OPENINGS LEFT BY REMOVAL OF BOXES, PIPING OR OTHER EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR. ALL HOLES LEFT IN JUNCTION BOXES, SWITCHES, PANELS, ETC. SHALL BE CLOSED.
21. WHERE NEW OPENINGS ARE CUT IN EXISTING WALLS, FLOORS OR CEILINGS AND CONCEALED CONDUITS ARE ENCOUNTERED THEY SHALL BE REMOVED OR RELOCATED AS REQUIRED. WHERE CONDUIT TO BE REMOVED STUBS THROUGH FLOORS, WALLS, AND CEILINGS, SUCH CONDUIT SHALL BE REMOVED TO THE POINT WHERE THE FINISH SURFACES CAN BE PATCHED ADEQUATELY SO THAT NO EVIDENCE OF THE FORMER INSTALLATION REMAINS.
22. WHERE TELEPHONE OUTLETS ARE SHOWN TO BE REMOVED, REMOVE THE WIRE AND REMOVE CONDUIT, BOXES AND FITTINGS AS REQUIRED TO CLEAR AREA OR AS DIRECTED BY ARCHITECT.
23. ALL OUTLET BOXES WHERE FIXTURES OR DEVICES ARE REMOVED SHALL BE REMOVED AND CEILING OR WALL SHALL BE PATCHED TO MATCH EXISTING OR NEW FINISH. IF OUTLET BOX MUST REMAIN TO MAINTAIN CONTINUITY OF CIRCUITRY, AN APPROPRIATE ACCESSIBLE BLANK PLATE SHALL BE INSTALLED WITH FINISH TO MATCH EXISTING OR NEW, WHERE APPLICABLE. BLANK PATCHES OR CEILING PLATES SHALL BE PATCHED OR PAINTED AS DIRECTED BY ARCHITECT.
24. ALL OUTLET BOXES WHICH MUST BE REMOVED DUE TO REMOVAL OF WALL, AND WHICH MUST REMAIN ACTIVE IN ORDER TO MAINTAIN CIRCUIT CONTINUITY SHALL BE RELOCATED IN CEILING OR FLOOR, SHALL BE ACCESSIBLE, AND SHALL HAVE BLANK COVERPLATE AS REQUIRED.
25. REMOVE ALL EXISTING LIGHTING FIXTURES IN AREAS WHERE NEW LIGHTING IS SHOWN. CONNECT TO EXISTING CIRCUITS, SWITCH LEGS AND SWITCHES OR AS OTHERWISE SHOWN. SALVAGE EXISTING FIXTURES NOT BEING REUSED TO OWNER.

GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70), AND THE LATEST ADOPTED EDITION OF THE FLORIDA BUILDING CODE.
2. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND COORDINATE WITH ALL EQUIPMENT MANUFACTURER/INSTALLERS PRIOR TO BIDDING.
3. ALL ELECTRICAL MATERIALS, DEVICES, APPLIANCES, AND EQUIPMENT SHALL BE LABEL LISTED BY AN APPROVED THIRD-PARTY TESTING AGENCY.
- BUILDING:

4. INSTALLATION HEIGHT OF EQUIPMENT (TO CENTERLINE) ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE SHALL BE:

RECEPTACLE = 18"
CLOCK = 7'-6"
SWITCH = 44"
MODULAR JACK FOR WALL MOUNTED TELEPHONE = 48"
MODULAR TELEPHONE JACK = 18"
COMPUTER OUTLET = 18"
CALL SWITCH = 44"
REMOTE TEST STATION FOR DUCT DETECTOR = 52"
5. ALL CONDUIT AND WIRING SHALL BE CONCEALED IN WALLS OR ABOVE CEILINGS UNLESS NOTED OTHERWISE OR APPROVED BY THE ARCHITECT/ENGINEER. ALL DEVICE OUTLET BOXES SHALL BE RECESSED UNLESS NOTED OTHERWISE OR APPROVED BY THE ARCHITECT/ENGINEER. WHERE APPROVED OR NOTED SURFACE METAL RACEWAY AND DEVICE BOXES SHALL BE USED IN LIEU OF CONDUIT AND CONCEALED BOXES AT NO EXTRA COST TO THE OWNER.
6. ALL CONDUIT ROUTING SHOWN IS APPROXIMATE ONLY. CONTRACTOR SHALL FIELD VERIFY FINAL ROUTE WITH ALL OTHER TRADES AND CONDITIONS IN FIELD PRIOR TO ROUGH-IN.
7. CONDUIT RUNS SHOWN ARE SCHEMATIC AND DO NOT INDICATE THE NECESSARY FITTINGS AND JUNCTION BOXES THAT ARE INCLUDED IN THE SCOPE OF THE WORK.
8. CONTRACTOR SHALL PERMANENTLY IDENTIFY ALL WIRING WITH THE SOURCE AND CIRCUIT AT ALL ELECTRICAL EQUIPMENT, PULL AND JUNCTION BOXES AND ELECTRICAL TERMINATIONS PROVIDED OR ASSOCIATED WITH THIS CONSTRUCTION.
9. COORDINATE EXACT LOCATION OF LIGHTING FIXTURES IN MECH. ROOMS/SPACES WITH DUCTWORK INSTALLER PRIOR TO ROUGH-IN. LOCATE BELOW DUCTWORK(8'-0" AFF MINIMUM) CENTERED IN ROOM AS MUCH AS POSSIBLE.
10. COORDINATE EXACT INSTALLATION REQUIREMENTS OF OUTLETS IN MILLWORK WITH ARCHITECTURAL DRAWINGS, APPROVED SHOP DRAWINGS AND MILLWORK INSTALLER PRIOR TO ROUGH-IN.
11. VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL INSTALLER PRIOR TO ROUGH-IN.
12. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL LIGHT FIXTURES.
13. PROVIDE NYLON PULLSTRINGS IN ALL EMPTY CONDUITS.
14. COORDINATE THE EXACT LOCATION OF ALL ELECTRICAL EQUIPMENT LOCATED IN ELEVATOR MACHINE ROOMS, SHAFTS AND PITS. LOCATE EQUIPMENT AS REQUIRED TO MEET APPLICABLE CODES.PROVIDE AUTOMATIC DISCONNECTION OF THE ELEVATOR MAIN POWER SUPPLY (PER ANSI A17.1, RULE 102.2 1987 ED.) PRIOR TO ACTIVATION OF AUTOMATIC SPRINKLER LOCATED WITHIN THE ELEVATOR MACHINE ROOM, PIT OR SHAFT. COORDINATE WITH FIRE PROTECTION AND FIRE ALARM INSTALLER.
15. COORDINATE THE REQUIRED SIZE OF ALL CIRCUIT BREAKERS FEEDING EQUIPMENT, (I.E. MOTORS, HVAC, KITCHEN EQUIPMENT, SPECIAL PURPOSE OUTLETS, ELEVATORS, OWNER FURNISHED EQUIPMENT ETC.) WITH APPROVED EQUIPMENT SHOP DRAWINGS AND OWNER REPRESENTATIVES PRIOR TO ORDERING PANELBOARDS. BREAKERS SHALL BE SIZED PER THE NEC, THE EQUIPMENT NAME PLATE AND MANUFACTURERS RECOMMENDATIONS.
16. ALL DIMMED CIRCUITS SHALL BE PROVIDED WITH DEDICATED NEUTRALS FOR EACH DIMMER AND PHASE CONDUCTOR THROUGHOUT THE ENTIRE CIRCUIT.
17. THE POWER COMPANY SHALL BE CONTACTED WITHIN 10 DAYS OF THE AWARD OF THE CONTRACT BY THE CONTRACTOR TO VERIFY THE ACTUAL AVAILABLE SHORT CIRCUIT CURRENT (AIC) AT THE TRANSFORMER SECONDARY BUSINGS. THE CONTRACTOR SHALL PROVIDE ELECTRICAL DISTRIBUTION AND UTILIZATION EQUIPMENT AND PANELBOARDS WHICH HAVE AIC/WITHSTAND RATINGS GREATER THAN THE AVAILABLE AIC AT EACH POINT IN THE ELECTRICAL SYSTEM.
18. VISIT THE EXISTING FACILITY AND CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AND SITE AFFECTED BY THIS WORK BEFORE SUBMITTING PROPOSALS. SO AS TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT EXECUTION OF THE WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED.
19. CONTRACTOR SHALL INCLUDE IN HIS BID THE TRANSPORT AND DISPOSAL OR RECYCLING OF ALL WASTE MATERIALS GENERATED BY THIS PROJECT IN ACCORDANCE WITH ALL RULES, REGULATIONS AND GUIDELINES APPLICABLE.
20. PANEL SCHEDULES INDICATE CIRCUIT DESIGNATIONS ONLY. CONTRACTOR TO PROVIDE MATERIALS AS REQUIRED WHEN NEUTRALS ARE SHARED TO COMPLY WITH NEC REQUIREMENTS. ALL SINGLE PHASE MULTIWIRE BRANCH CIRCUITS SHALL BE FED VIA A TWO POLE BREAKER OR TWO SINGLE POLE BREAKERS WITH AN IDENTIFIED HANDLE TIE. ALL THREE PHASE MULTIWIRE BRANCH CIRCUITS SHALL BE FED VIA A THREE POLE BREAKER OR THREE SINGLE POLE BREAKERS WITH AN IDENTIFIED HANDLE TIE (PER NEC 210.4B).
21. PER NEC 110.22; PROVIDE PERMANENT LABELING FOR ALL SERIES RATED PANEL ENCLOSURES TO READ AS FOLLOWS: CAUTION – SERIES COMBINATION SYSTEM RATED _____ AMPERES. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED.
- GROUNDING:

22. ALL METAL RACEWAYS, INCLUDING CONDUIT, WIRE TROUGHS, WIREMOLD, ETC., SHALL BE GROUNDED. ALL CONNECTIONS IN METAL RACEWAYS SHALL BE COMPLETED IN SUCH A MANNER AS TO MAINTAIN A CONTINUOUS PATH TO GROUND THROUGHOUT THE ENTIRE LENGTH OF THE RACEWAY.
- WIRING:

23. UNLESS NOTED OTHERWISE ON THE DRAWINGS OR ON THE EQUIPMENT WIRING SCHEDULE, EACH BRANCH CIRCUIT HOME RUN SHALL BE THREE (3) #12 AWG THHN/THWN (1 HOT, 1 NEUTRAL & 1 EQUIPMENT GROUND) IN 3/4" EMT CONDUIT. PROTECT EACH CIRCUIT WITH A 20 AMPERE, 1-POLE OVERCURRENT DEVICE UNLESS NOTED OTHERWISE. COMBINED NEUTRALS ARE NOT PERMITTED.
- GENERAL:

24. WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE THE ELECTRICAL CONTRACTOR SHALL PROVIDE TO THE BUILDING OWNER RECORD DRAWINGS OF THE ACTUAL INSTALLATION INCLUDING: 1. A SINGLE-LINE DIAGRAM OF THE BUILDING ELECTRICAL DISTRIBUTION SYSTEM AND 2. FLOOR PLANS INDICATING LOCATION AND AREA SERVED FOR ALL DISTRIBUTION.

25. THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE BUILDING OWNER AN OPERATING MANUAL AND MAINTENANCE MANUAL AS REQUIRED BY THE FLORIDA BUILDING CODE. THE MANUALS SHALL INCLUDE, AT A MINIMUM, THE FOLLOWING: 1. SUBMITTAL DATE STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. 2. OPERATION MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED. 3. NAMES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE AGENCY.

26. THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE REQUIRED FUNCTIONAL TESTING OF THE LIGHTING SYSTEM TO ENSURE THAT THE CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS. WHERE REQUIRED BY THE CODE OFFICIAL, AN APPROVED PARTY INDEPENDENT FROM THE DESIGN OR CONSTRUCTION OF THE PROJECT SHALL BE RESPONSIBLE FOR THE FUNCTIONAL TESTING AND DOCUMENTATION TO THE CODE OFFICIAL CERTIFYING THAT THE INSTALLED LIGHTING CONTROLS MEET THE PROVISIONS OF FECC SECTION C405. WHERE OCCUPANT SENSORS, TIME SWITCHES, PROGRAMMABLE SCHEDULE CONTROLS, PHOTOSENSORS OR DAYLIGHTING CONTROLS ARE INSTALLED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED: 1. CONFIRM THAT THE PLACEMENT, SENSITIVITY AND TIME-OUT ADJUSTMENTS FOR THE OCCUPANT SENSORS YIELD ACCEPTABLE PERFORMANCE.

27. ELECTRICAL CONTRACTOR SHALL PROVIDE FULL LIGHTNING PROTECTION SYSTEM FOR THIS PROJECT PER NFPA 780.

ELECTRICAL SYMBOL LEGEND

WIRING AND POWER

- NOTE:
SYMBOLS SHOWN ARE FOR
REFERENCE PURPOSES ONLY.
ALL OF THESE SYMBOLS MAY
NOT BE USED FOR THIS
PROJECT.
- ⊖ WALL OUTLET BOX AND SINGLE RECEPTACLE
- ⊖⊖ WALL OUTLET BOX AND DUPLEX RECEPTACLE
- ⊕⊕ TWO GANG WALL OUTLET BOX AND (2) DUPLEX RECEPTACLES
- ⊖⊕ WALL OUTLET BOX AND DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER
- ⊖⊕⊕ WALL OUTLET BOX AND DUPLEX RECEPTACLE WITH TOP HALF SWITCHED
- ⊕⊕ WALL OUTLET BOX AND DUPLEX RECEPTACLE CONNECTED TO EMERGENCY SYSTEM
- ⓪ CEILING OUTLET BOX AND SINGLE RECEPTACLE
- ⓪⓪ CEILING OUTLET BOX AND DUPLEX RECEPTACLE
- ⊖⊕ WALL OUTLET BOX AND GFCI DUPLEX RECEPTACLE
- ⊖⊕⊕ WALL OUTLET BOX AND GFCI DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER
- ⊖⓪S WALL OUTLET BOX AND DUPLEX SAFETY RECEPTACLE
- ⊖⓪T WALL OUTLET BOX AND DUPLEX TWIST-LOCK RECEPTACLE
- ⊖⊕WP WALL OUTLET BOX AND GFCI DUPLEX RECEPTACLE WITH WEATHERPROOF COVER
- ⓪ WALL OUTLET BOX AND SPECIAL PURPOSE OUTLET AS NOTED ON PLANS
- ⓪⓪ FLUSH FLOOR OUTLET BOX WITH DUPLEX RECEPTACLE
- ⓪⓪⓪ FLUSH FLOOR OUTLET BOX WITH (2) DUPLEX RECEPTACLES
- ⓪⓪A FLUSH FLOOR OUTLET BOX WITH DUPLEX RECEPTACLE AND TELECOMMUNICATIONS OUTLET
- ⓪⓪ FLUSH WALL JUNCTION BOX AND BLANK PLATE
- ⓪ JUNCTION BOX AND BLANK PLATE ABOVE CEILING
- ⓪⓪ SURFACE MOUNTED JUNCTION BOX AND BLANK PLATE
- ⓪⓪WP SURFACE MOUNTED WEATHERPROOF JUNCTION BOX AND COVER
- ⓪⓪PB FLUSH GRADE FIBER COMPOSITE PULL BOX AS NOTED
- ⓪⓪M MOTOR CONNECTION AS NOTED
- ⓪ FLUSH SHUNT-TRIP BUTTON, MOUNTED 80" TO TOP
- ⓪ CONTROL AND/OR POWER EQUIPMENT CONNECTION
- ⓪⓪ TIME CLOCK
- ⓪⓪ PHOTO CELL
- ⓪ DISCONNECT SWITCH, SIZE AS NOTED
- 120/208V BRANCH CIRCUIT PANELBOARD, SURFACE MOUNTED
- 120/208V BRANCH CIRCUIT PANELBOARD, FLUSH MOUNTED
- 277/480V BRANCH CIRCUIT PANELBOARD
- ⓪T TRANSFORMER
- ⓪⓪ AUTOMATIC TRANSFER SWITCH
- BRANCH CIRCUIT HOMERUN WITH PANEL NAME AND CIRCUIT NUMBER. QUANTITY OF ARROWHEADS DENOTES QUANTITY OF BRANCH CIRCUITS
- BRANCH CIRCUIT WIRING, PROVIDE QUANTITY OF CONDUCTORS REQUIRED FOR CIRCUITING AND SWITCHING INDICATED ON PLANS
- POWER LEG ONLY (NO SWITCH LEG BETWEEN ROOMS)
- CONDUIT CAPPED OFF
- CONDUIT CONTINUED
- CONDUIT RUN UP
- CONDUIT RUN DOWN
- GROUND OR GROUND ROD AS NOTED

LIGHTING AND SWITCHING

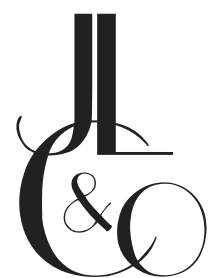
- ⓪⓪ CEILING MOUNTED LIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
- ⓪ CEILING MOUNTED RECESSED DOWNLIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
- ⓪ CEILING MOUNTED RECESSED WALLWASH FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
- ⓪ CEILING MOUNTED "CLOSE TO CEILING" FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
- ⓪ PENDANT MOUNTED LIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
- ⓪ TRACK LIGHT FIXTURE WITH HEADS AS REQUIRED, REFER TO LIGHT FIXTURE SCHEDULE
- ⓪ WALL MOUNTED LIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
- ⓪⓪ CEILING MOUNTED LIGHT FIXTURE WITH EMERGENCY BACKUP
- ⓪ CEILING MOUNTED RECESSED DOWNLIGHT FIXTURE WITH EMERGENCY BACKUP
- ⓪ WALL MOUNTED LIGHT FIXTURE WITH EMERGENCY BACKUP
- ⓪ WALL MOUNTED EMERGENCY BATTERY LIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
- ⓪ CEILING MOUNTED EMERGENCY BATTERY LIGHT FIXTURE, REFER TO LIGHT FIXTURE SCHEDULE
- ⓪ CEILING MOUNTED EXIT SIGN WITH EMERGENCY BACKUP, REFER TO LIGHT FIXTURE SCHEDULE
- ⓪ WALL MOUNTED EXIT SIGN WITH EMERGENCY BACKUP. REFER TO LIGHT FIXTURE SCHEDULE
- ⓪ COMBINATION EXIT SIGN AND EMERGENCY LIGHT FIXTURE WITH BATTERY BACKUP
- ⓪ WALL OUTLET BOX AND SINGLE POLE SWITCH ('a' INDICATES SWITCH LEG)
- ⓪ WALL OUTLET BOX AND THREE-WAY SWITCH
- ⓪ WALL OUTLET BOX AND FAN CONTROL SWITCH
- ⓪ WALL OUTLET BOX AND DIMMER SWITCH AS REQUIRED FOR LOAD SERVED
- ⓪ WALL OUTLET BOX AND THREE-WAY DIMMER SWITCH
- ⓪ WALL OUTLET BOX WITH SINGLE POLE MANUAL MOTOR STARTER SWITCH
- ⓪ WALL OUTLET BOX AND DUAL TECHNOLOGY OCCUPANCY SENSOR
- ⓪ WALL OUTLET BOX AND DIGITAL TIMECLOCK SWITCH FOR AUTOMATIC CONTROL
- ⓪ CEILING OUTLET BOX AND DUAL TECHNOLOGY OCCUPANCY SENSOR
- ⓪ CEILING OUTLET BOX AND DAYLIGHT HARVESTING SENSOR

FIRE ALARM SYSTEM LEGEND

- ⓪ MANUAL PULL STATION
- ⓪⓪ WALL MOUNTED HORN WITH STROBE (cd=CANDELA RATING)
- ⓪WP WALL MOUNTED HORN WITH STROBE IN WEATHERPROOF ENCLOSURE
- ⓪ CEILING MOUNTED HORN WITH STROBE
- ⓪M WALL MOUNTED LOW FREQUENCY MINI HORN
- ⓪M WALL MOUNTED LOW FREQUENCY MINI HORN WITH STROBE
- ⓪ WALL MOUNTED VOICE EVACUATION SPEAKER WITH STROBE
- ⓪ CEILING MOUNTED VOICE EVACUATION SPEAKER WITH STROBE
- ⓪ WALL MOUNTED STROBE
- ⓪ FIRE ALARM BELL
- ⓪ SMOKE DETECTOR
- ⓪CO SMOKE AND CARBON MONOXIDE COMBINATION DETECTOR
- ⓪A SMOKE ALARM
- ⓪COA SMOKE AND CARBON MONOXIDE COMBINATION ALARM
- ⓪ DUCT MOUNTED SMOKE DETECTOR
- ⓪ HEAT DETECTOR
- ⓪ REMOTE DUCT DETECTOR INDICATOR LIGHT AND TEST SWITCH
- ⓪ FAN SHUT-DOWN RELAY
- ⓪ ELECTROMAGNETIC DOOR RELEASE DEVICE
- ⓪ SMOKE DAMPER (PROVIDED BY MECHANICAL, CONNECTED BY ELECTRICAL)
- ⓪ FIREMAN'S PHONE JACK
- ⓪ SPRINKLER SYSTEM SUPERVISORY TAMPER SWITCH CONNECTION
- ⓪ SPRINKLER SYSTEM FLOW SWITCH CONNECTION
- ⓪ CONTROL MODULE
- ⓪ MONITOR MODULE
- ⓪ LOCK BOX
- ⓪ FIRE ALARM CONTROL PANEL.
- ⓪ FIRE ALARM TERMINAL CABINET
- ⓪ FIRE ALARM ANNUNCIATOR PANEL
- ⓪ DIGITAL ALARM COMMUNICATOR TRANSMITTER

TELECOMMUNICATION SYSTEM LEGEND

- ▽ COMBINATION TELECOMMUNICATIONS/DATA WALL OUTLET BOX AND BLANK PLATE WITH MIN. 3/4". TO ACCESSIBLE CEILING SPACE. COORDINATE OUTLET REQUIREMENTS WITH OWNER.
- W▽ TELECOMMUNICATIONS WALL OUTLET BOX AND BLANK PLATE FOR WALL MOUNTED TELEPHONE WITH MIN. 3/4". TO ACCESSIBLE CEILING SPACE. COORDINATE OUTLET REQUIREMENTS WITH OWNER.
- ▽ DATA WALL OUTLET BOX AND BLANK PLATE WITH MIN. 3/4". TO ACCESSIBLE CEILING SPACE. COORDINATE OUTLET REQUIREMENTS WITH OWNER.
- ⓪A FLUSH FLOOR OUTLET BOX WITH POWER DEVICE AND TELECOMMUNICATIONS OUTLET WITH MIN. 3/4". TO ACCESSIBLE CEILING SPACE.
- WAP▽ CEILING OUTLET BOX AND BLANK PLATE WITH MIN. 3/4". TO TTB FOR WIRELESS ACCESS POINT. COORDINATE OUTLET REQUIREMENTS WITH OWNER.
- TV COMBINATION TELECOMMUNICATIONS/TELEVISION WALL OUTLET BOX AND BLANK PLATE. COORDINATE OUTLET AND CABLING REQUIREMENTS WITH OWNER.
- 3/4" PLYWOOD TELEPHONE TERMINAL BOARD, SIZE AS SHOWN ON PLANS.
- ⓪ TTC TELEPHONE TERMINAL CABINET, SIZE AS NOTED ON PLAN.



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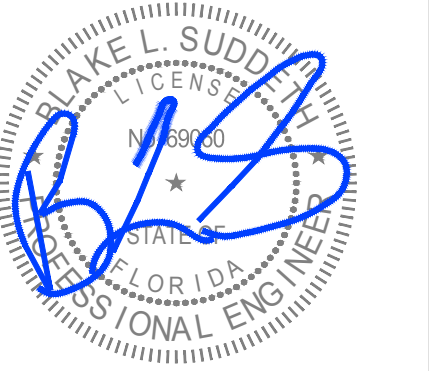
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O'LENO STATE PARK
DINING HALL AIR CONDITIONING
High Springs, Florida

PROJECT LOCATION:
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JLC24.0022.00



Blake L. Suddeth

OCTOBER 21, 2024

100% CONSTRUCTION
DOCUMENTS

ABBREV., LEGEND, &
GENERAL NOTES
ELECTRICAL

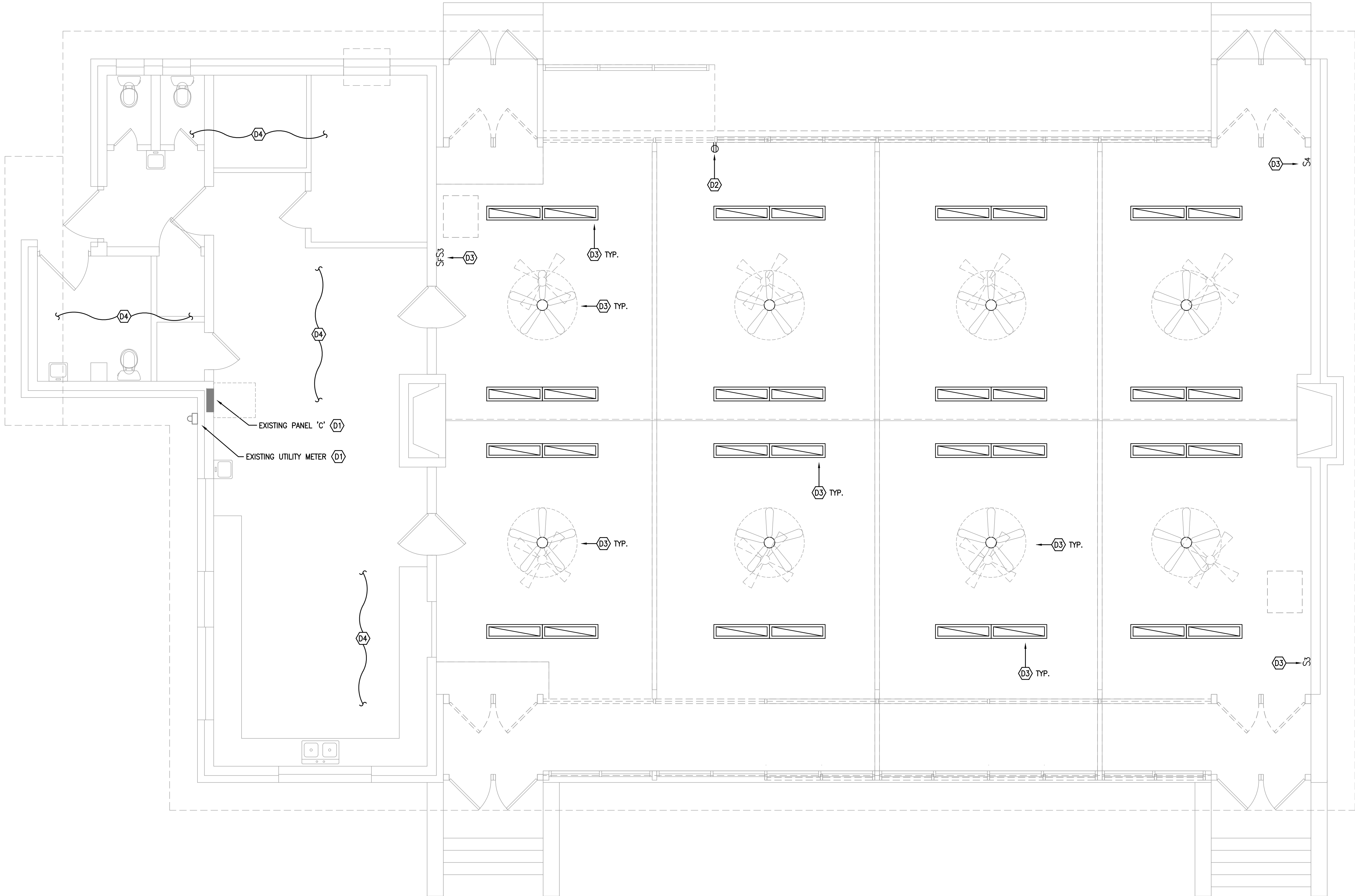
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DEMOLITION REFERENCE NOTES: (X)

- (D1) EXISTING ELECTRICAL PANEL AND SERVICE EQUIPMENT EQUIPMENT TO REMAIN AND BE REUSED AS REQUIRED. REFER TO RENOVATION PLAN AND POWER RISER DIAGRAMS FOR ADDITIONAL INFORMATION.
- (D2) EXISTING RECEPTACLES SHOWN DARK/SOLID SHALL BE DISCONNECTED AND REMOVED UNLESS NOTED OTHERWISE. MAINTAIN ANY DOWN STREAM BRANCH CIRCUIT WIRING AS REQUIRED.
- (D3) EXISTING LIGHT FIXTURES AND SWITCHES SHOWN DARK/SOLID SHALL BE DISCONNECTED AND REMOVED UNLESS NOTED OTHERWISE. MAINTAIN ANY DOWN STREAM BRANCH CIRCUIT WIRING AS REQUIRED.
- (D4) ALL EXISTING ELECTRICAL IN THIS AREA TO REMAIN UNLESS NOTED OTHERWISE.

GENERAL DEMOLITION NOTES:

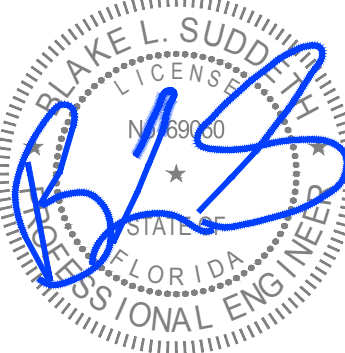
- DA ALL ELECTRICAL DEVICES INDICATED IN DARK LINETYPE ON DRAWING SHALL BE REMOVED OR RELOCATED UNLESS NOTED OTHERWISE. REROUTING/RELOCATION OF EXISTING ELECTRICAL SYSTEMS MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR DUE TO INTERFERENCE WITH OTHER NEW WORK AS DESCRIBED IN THE FOLLOWING NOTES.
- DB DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED, REROUTED, AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE. ADDITIONAL ITEMS NOT INDICATED BUT NECESSARY FOR PROJECT RENOVATIONS SHALL BE REMOVED, REROUTED, OR RELOCATED AS REQUIRED. ASSUME WITHIN THE BASE BID A NOMINAL AMOUNT OF BRANCH CIRCUITS, FIXTURES, DEVICES, AND SYSTEMS WIRING WITHIN WALLS OR OPENINGS BEING REMOVED OR RELOCATED AS REQUIRED TO ACCOMMODATE THE NEW CONSTRUCTION.
- DC FOR ITEMS INDICATED TO BE DEMOLISHED, REMOVE WIRING AND CONDUIT BACK TO THE SOURCE PANELBOARD UNLESS NOTED OTHERWISE. MAINTAIN CIRCUIT CONTINUITY TO REMAINING ITEMS ON CIRCUITS REQUIRED TO REMAIN. RELOCATE ANY CIRCUITS TO REMAIN TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.
- DD MAINTAIN CIRCUIT CONTINUITY TO ALL REMAINING ELECTRICAL SYSTEMS UNAFFECTED BY BUT PASSING THROUGH RENOVATED SPACES OR WHERE ONLY A PORTION OF A CIRCUIT IS REMOVED. ANY EXISTING ELECTRICAL DEVICES LEFT WITHOUT POWER DUE TO THIS RENOVATION SHALL BE RECONNECTED TO SAME SIZE CIRCUIT(S) AS PRESENTLY SERVED. NO ELECTRICAL DEVICES SHALL BE LEFT WITHOUT POWER.
- DE REFER TO ARCHITECTURAL DEMOLITION DRAWINGS AND NOTES FOR COORDINATION. PATCH AND REPAIR ALL SURFACES CONTAINING DEMOLITION. COORDINATE WITH ARCHITECTURAL DRAWINGS. MATERIALS AND FINISHES SHALL MATCH EXISTING.
- DF VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL WORK REQUIRED TO COMPLETE THE PROJECT. EXISTING CONDITIONS INDICATED ON THESE DRAWINGS ARE TAKEN FROM EXISTING BUILDING DOCUMENTS AND FIELD OBSERVATION. OTHER ELECTRICAL ITEMS MAY EXIST FOR WHICH THE ELECTRICAL CONTRACTOR IS RESPONSIBLE WHICH MAY NOT BE SPECIFICALLY ADDRESSED IN THESE DRAWINGS.
- DG PROPERLY DISPOSE OF ALL ITEMS BEING REMOVED AS PART OF THIS PROJECT. THE OWNER SHALL HAVE THE RIGHT TO RETAIN ANY ITEMS BEING REMOVED. COORDINATE ITEMS TO BE RETAINED WITH OWNER.
- DH CONDUCTORS IN RENOVATED AREA SHALL BE NEW. DO NOT REUSE EXISTING WIRING UNLESS NOTED OTHERWISE. EXISTING CONDUIT IN THE RENOVATED AREA MAY BE REUSED IF IT COMPLIES WITH ALL REQUIREMENTS OF THE NEC AND SPECIFICATIONS, IF NEW DEVICE OR EQUIPMENT LOCATION COINCIDES WITH EXISTING LOCATION, AND IF PRACTICAL. CONDUIT NOT INTENDED TO BE REUSED SHALL BE REMOVED IF POSSIBLE (I.E., NOT EMBEDDED IN CONCRETE FLOOR, ETC.).



O'LENO STATE PARK
DINING HALL AIR CONDITIONING
High Springs, Florida

PROJECT LOCATION:
O'LENO STATE PARK
410 SE O'LENO PARK ROAD
HIGH SPRINGS, FLORIDA 32643

JLC24.0022.00



Blake L. Suddeth

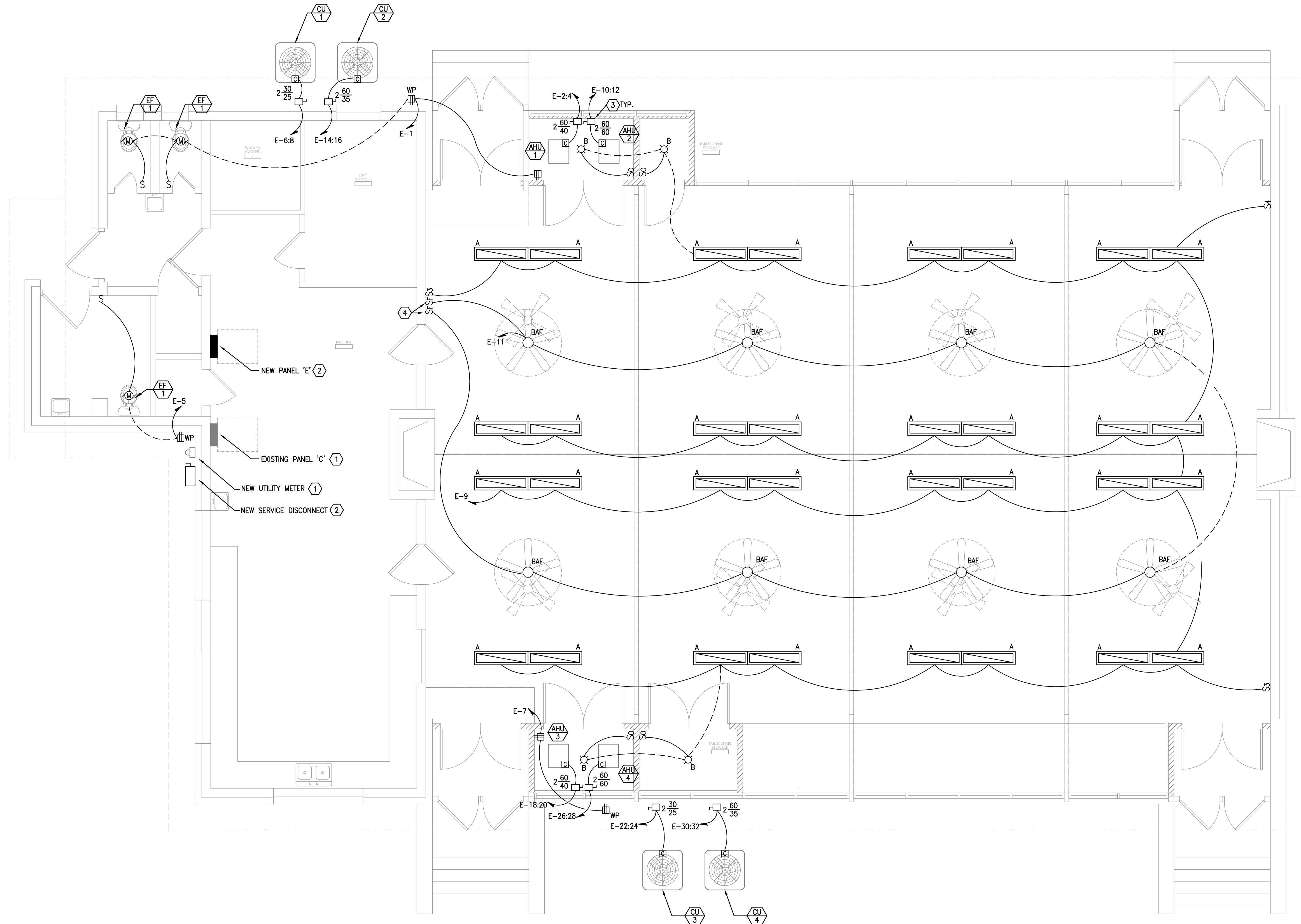
OCTOBER 21, 2024

100% CONSTRUCTION
DOCUMENTS

DEMO FLOOR PLAN
ELECTRICAL

E1.01

1 RENO FLOOR PLAN - ELECTRICAL
Scale: 1/4" = 1'-0"



REFERENCE NOTES: (X)

- 1 EXISTING ELECTRICAL SERVICE EQUIPMENT LOCATION. REFER TO PANEL SCHEDULES AND RISER DIAGRAM FOR ADDITIONAL INFORMATION.
- 2 COORDINATE ALL CONNECTION REQUIREMENTS OF NEW SERVICE WITH LOCAL UTILITY COMPANY PRIOR TO ROUGH-IN AND PROVIDE AS REQUIRED.
- 3 ELECTRICAL CONTRACTOR SHALL COORDINATE DISCONNECT AND FUSE REQUIREMENTS FOR MECHANICAL UNIT WITH MECHANICAL CONTRACTOR AND EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN AND PROVIDE AS REQUIRED. COORDINATE LOCATION OF DISCONNECT WITH OWNER AND MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. LOCATE AS REQUIRED TO MAINTAIN NEC CLEARANCES.
- 4 PROVIDE WALL MOUNTED SWITCH FOR FAN. COORDINATE EXACT LOCATION AND INSTALLATION REQUIREMENTS WITH ARCHITECT/MANUFACTURER PRIOR TO ROUGH-IN.

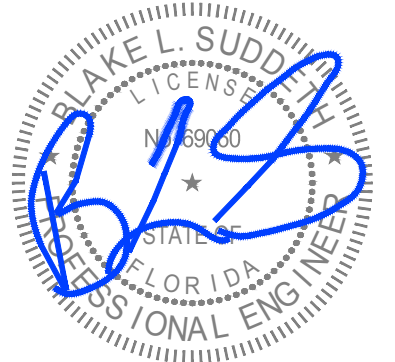
GENERAL NOTES:

- A. DO NOT SCALE ELECTRICAL DRAWING FOR ANY DIMENSIONS.
- B. ALL WORK SHALL COMPLY WITH THE 2020 NATIONAL ELECTRICAL CODE, NATIONAL, STATE AND LOCAL CODES. PROVIDE GROUNDING AND BONDING PER NEC 250.
- C. SEE SINGLE LINE DIAGRAM FOR FEEDER WIRE AND CONDUIT SIZE. ALL CIRCUITS NOT SIZED ON DRAWING SHALL BE INSTALLED TO MEET MINIMUM SIZE REQUIRED BY NEC. ALL CONDUCTORS SHALL HAVE AN EQUIPMENT GROUND WIRE SIZED PER NEC.
- D. FIELD VERIFY EXACT LOCATION OF ALL DEVICES AND EQUIPMENT PRIOR TO ROUGH IN.
- E. FIELD VERIFY ALL EXISTING FIRE ALARM DEVICES. CONNECT NEW FIRE ALARM DEVICES TO EXISTING FIRE ALARM SYSTEM. COORDINATE ALL CONNECTION REQUIREMENTS WITH CONDITIONS IN FIELD AND MANUFACTURER'S RECOMMENDATIONS PRIOR TO ROUGH-IN.

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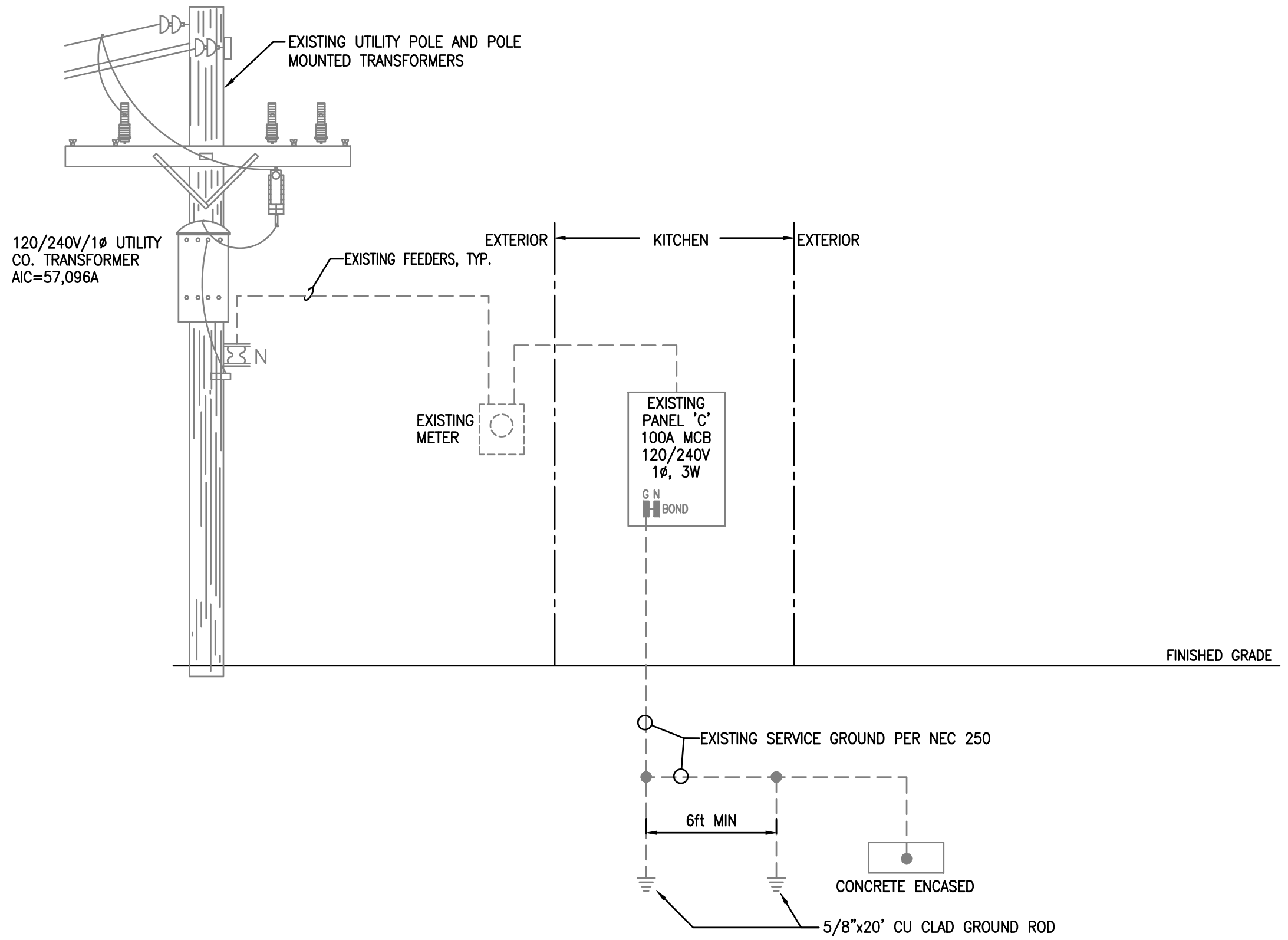
Blake L. Suddeth
Professional Engineer
State of Florida License No. 12586
Expiring 12/31/2026

OCTOBER 21, 2024

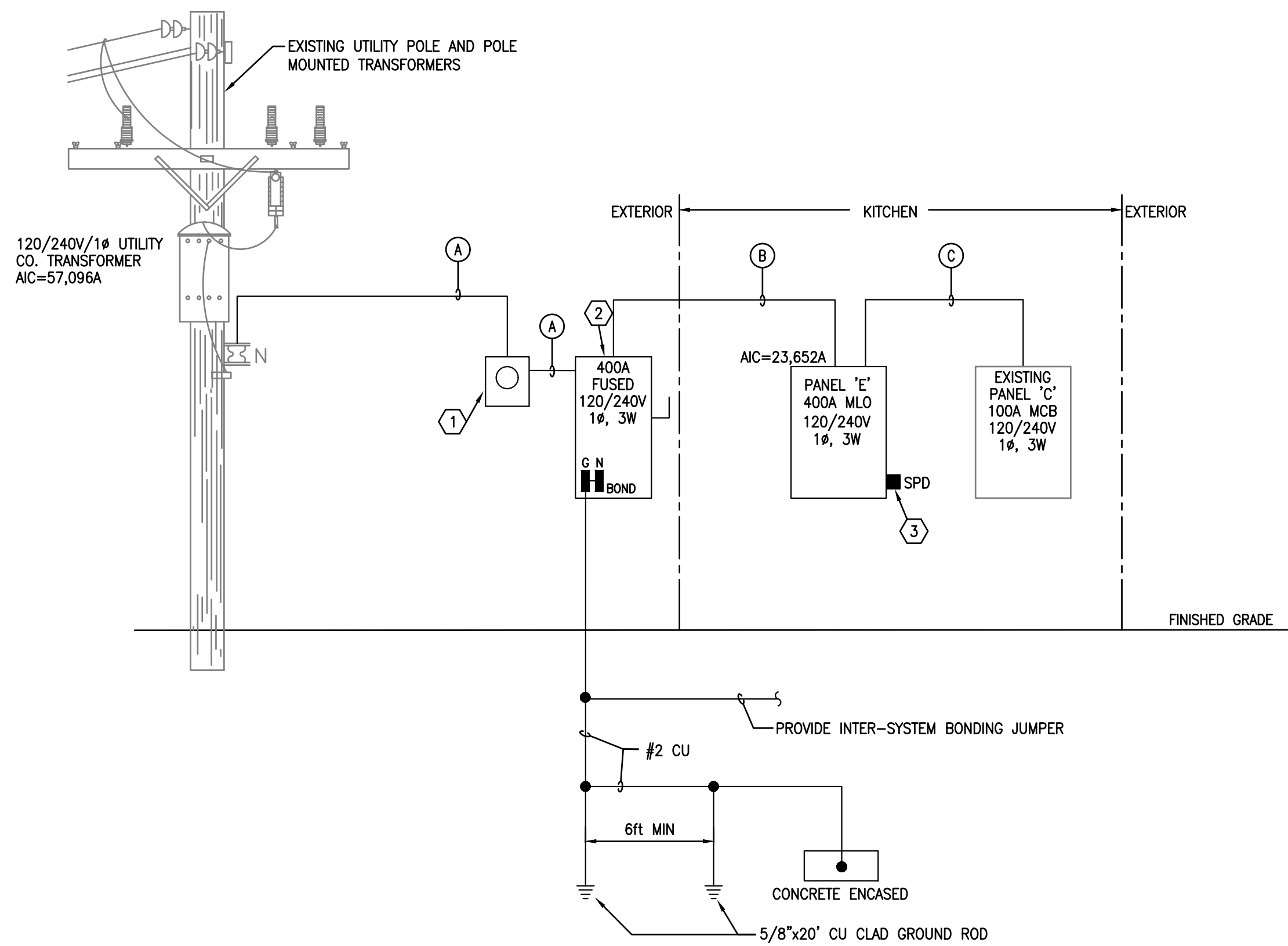
100% CONSTRUCTION
DOCUMENTS

RENO FLOOR PLAN
POWER & SYSTEMS

E2.01



1 DEMO POWER RISER DIAGRAM BUILDING
No Scale



2 POWER RISER DIAGRAM BUILDING
No Scale

GENERAL NOTES:

- A. DO NOT SCALE ELECTRICAL DRAWING FOR ANY DIMENSIONS.
- B. ALL WORK SHALL COMPLY WITH THE LATEST ADOPTED VERSION OF THE NATIONAL ELECTRICAL CODE AS WELL AS NATIONAL, STATE, AND LOCAL CODES. PROVIDE GROUNDING AND BONDING PER NEC 250.
- C. COORDINATE ALL WORK WITH LOCAL UTILITY COMPANY PRIOR TO ROUGH-IN.
- D. SEE SINGLE LINE DIAGRAM FOR FEEDER WIRE AND CONDUIT SIZE. ALL CIRCUITS NOT SIZED ON DRAWING SHALL BE INSTALLED TO MEET MINIMUM SIZE REQUIRED BY NEC. ALL CONDUCTORS SHALL HAVE AN EQUIPMENT GROUND WIRE SIZED PER NEC.
- E. FIELD VERIFY EXACT LOCATION OF ALL DEVICES AND EQUIPMENT PRIOR TO ROUGH-IN.
- F. FOR ALL EXISTING EQUIPMENT BEING RECONNECTED TO NEW PANELS AND EXISTING EQUIPMENT TO REMAIN, E.C. SHALL CONFIRM THAT BREAKER AND FEEDER SIZES ARE CORRECTLY MATCHED UP TO THE EQUIPMENT LOADS SHOWN ON THE EQUIPMENT NAMEPLATE.
- G. CONTRACTOR SHALL PROVIDE "ARC FLASH/SHOCK HAZARD" SIGNAGE FOR ALL PANELBOARDS AS REQUIRED PER ANSL, NEC, OSHA AND NFPA. INCLUDE ALL INFORMATION PER LATEST REQUIREMENTS INCLUDING REQUIRED LEVEL OF PPE, AVAILABLE FAULT CURRENT, APPROACH BOUNDARIES, ETC.
- H. PER NEC 110.24 SERVICE EQUIPMENT IN OTHER THAN DWELLING UNITS SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKING(S) SHALL INCLUDE THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. WHEN MODIFICATIONS TO THE ELECTRICAL INSTALLATION OCCUR THAT AFFECT THE MAXIMUM AVAILABLE FAULT CURRENT AT THE SERVICE, THE MAXIMUM AVAILABLE FAULT CURRENT SHALL BE VERIFIED OR RECALCULATED AS NECESSARY TO ENSURE THE SERVICE EQUIPMENT RATINGS ARE SUFFICIENT FOR THE MAXIMUM AVAILABLE FAULT CURRENT AT THE LINE TERMINALS OF THE EQUIPMENT. THE REQUIRED FIELD MARKING(S) IN 110.24(A) SHALL BE ADJUSTED TO REFLECT THE NEW LEVEL OF MAXIMUM AVAILABLE FAULT CURRENT.

REFERENCE NOTES: (X)

- (1) COORDINATE ALL CONNECTION REQUIREMENTS OF NEW SERVICE WITH LOCAL UTILITY COMPANY PRIOR TO ROUGH-IN AND PROVIDE AS REQUIRED.
- (2) PROVIDE 400A, 250V, 1Ø, 3W, NEMA 3R, HEAVY DUTY, SERVICE ENTRANCE RATED DISCONNECT SWITCH FUSED AT 400AMPS. COORDINATE ALL REQUIREMENTS WITH UTILITY COMPANY PRIOR TO ROUGH-IN AND PROVIDE AS REQUIRED. PROVIDE PHENOLIC LABELING AT DISCONNECT FOR SERVICE AS REQUIRED BY NEC.
- (3) PROVIDE HARD WIRED SURGE PROTECTIVE DEVICE OF SAME MANUFACTURER AS PANELBOARD.

CONDUIT & CONDUCTOR SIZES: (X)

- (A) 2 SETS [(3)#250 kcmil AL. IN 2-1/2" C]
- (B) 2 SETS [(3)#250 kcmil AL. & (1)#1 AWG AL. GND. IN 2-1/2" C]
- (C) (3)#1 AWG. AL. & (1)#6 AWG AL. GND. IN 2" C.

NOTE:
PER (2023 FBCEC C405.6.3, 6th EDITION):
ALL CONDUCTORS FOR FEEDERS AND BRANCH CIRCUITS ARE DESIGNED FOR A MAXIMUM OF 5% VOLTAGE DROP TOTAL.

O'LENO STATE PARK
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JLC24.0022.00



Blake L. Suddeth

OCTOBER 21, 2024

100% CONSTRUCTION
DOCUMENTS

POWER RISER
DIAGRAM
ELECTRICAL

E3.01

PANEL 'E'																			
LOCATION: ELEC. ROOM				VOLTAGE: 240/120V 1Ø 3W				MIN. AIC RATING: 42K AIC				NOTES: PROVIDE TYPED WRITTEN DIRECTORY PROVIDE GROUND & NEUTRAL BUS							
TYPE: SQUARE 'D' - TYPE NQ				MAINS: 400A ☒ MLO ☐ MCB				MOUNTING: SURFACE											
FED FROM: SERVICE DISCONNECT				LUGS: ☐ SUB-FEED ☒ FEED-THRU				ENCLOSURE: NEMA 1											
CIRCUIT DESCRIPTION	NOTES	BRANCH CIRCUIT				BKR	LOAD KVA	PHASE	LOAD KVA	BKR	BRANCH CIRCUIT				NOTES	CIRCUIT DESCRIPTION	CIRCUIT		
		#	NEUT	GND	COND						#	NEUT	GND	COND					
1 RECEPTS - EXTERIOR/HVAC CLOSET		12	12	12	1/2"	20/1	0.40	A	3.74	40/2	8	8	10 3/4"		AHU-1	2			
3 RECEPTS - HVAC CLOSET		12	12	12	1/2"	20/1	0.18	B	3.74	-	8	-	-		-	4			
5 RECEPTS - EXTERIOR		12	12	12	1/2"	20/1	0.18	A	1.76	25/2	10	10	10 3/4"	1	CU-1	6			
7 RECEPTS - EXTERIOR/HVAC CLOSET		12	12	12	1/2"	20/1	0.36	B	1.76	-	10	-	-		-	8			
9 LIGHTS - DINING HALL		12	12	12	1/2"	20/1	1.05	A	5.00	60/2	6	6	10 1.25"		AHU-2	10			
11 FANS DINING HALL		12	12	12	1/2"	20/1	0.35	B	5.00	-	6	-	-		-	12			
13 SPARE		-	-	-	-	20/1	-	A	2.64	35/2	8	8	10 3/4"	1	CU-2	14			
15 SPARE		-	-	-	-	20/1	-	B	2.64	-	8	-	-		-	16			
17 SPARE		-	-	-	-	20/1	-	A	3.74	40/2	8	8	10 3/4"		AHU-3	18			
19 SPARE		-	-	-	-	20/1	-	B	3.74	-	8	-	-		-	20			
21 SPARE		-	-	-	-	20/1	-	A	1.76	25/2	10	10	10 3/4"	1	CU-3	22			
23 SPARE		-	-	-	-	20/1	-	B	1.76	-	10	-	-		-	24			
25 SPARE		-	-	-	-	20/1	-	A	5.00	60/2	6	6	10 1.25"		AHU-4	26			
27 SPARE		-	-	-	-	20/1	-	B	5.00	-	6	-	-		-	28			
29 SPARE		-	-	-	-	20/1	-	A	2.64	35/2	8	8	10 3/4"	1	CU-4	30			
31 SPACE ONLY		-	-	-	-	-	-	B	2.64	-	8	-	-		-	32			
33 SPACE ONLY		-	-	-	-	-	-	A	-	-	-	-	-		SPACE ONLY	34			
35 SPACE ONLY		-	-	-	-	-	-	B	-	-	-	-	-		SPACE ONLY	36			
37 SPACE ONLY		-	-	-	-	-	-	A	-	-	-	-	-		SPACE ONLY	38			
39 PANEL 'C'	1	-	-	-	-	100/2	13.68	B	-	30/2	10	10	10 1/2"		SURGE PROTECTIVE DEVICE (SPD)	40			
41 -		-	-	-	-	-	13.68	A	-	-	10	-	-		-	42			
EQUIPMENT SERVED							CONN. LOAD	L.F.	D.F.	DEMAND LOAD									
LIGHTING							1.40 KVA		125%	1.75 KVA									
RECEPTACLES - GENERAL							1.12 KVA		100%	1.12 KVA									
EQUIPMENT							34.96 KVA		100%	34.96 KVA									
PANELS 'C'							27.36 KVA		100%	27.36 KVA									
NOTES:																			
1) SPLIT A/C, CONDENSING UNIT NOT INCLUDED IN LOAD CALC																			
2) REFER TO RISER DIAGRAM FOR FEEDER REQUIREMENTS.																			
							TOTAL DEMAND LOAD: 65.19 KVA												
							TOTAL DEMAND AMPS: 271.63 AMPS												

LIGHTING FIXTURE SCHEDULE								
MARK	DESCRIPTION	MANUFACTURER	MODEL	VOLTS	LAMP QTY	LAMP WATTS	LAMP MODEL	FIXTURE WATTS
A	1'x4' LED WRAPAROUND FIXTURE WITH BAKED WHITE FINISH, FROSTED ACRYLIC LENS, DAMP LOCATED RATED	PHILLIPS	FSW-4-30L-835-UNV-DIM	120	1	31	LED	31
B	7" ROUND LED SLIM SURFACE MOUNTED FIXTURE ALUMINUM FINISH, UL LISTED, ENERGY STAR CERTIFIED, DAMP LOCATION RATED	PHILLIPS	S7R835K10AL	120	-	14.4	LED	14.4
BAF	60" INTERIOR CEILING FAN	BAF	MK-i61-05-18-06-A728-i24	120	1	36	LED	36
NOTES: 1. DIVISION 16 CONTRACTOR SHALL VERIFY ALL FIXTURE TYPES AND FINISHES WITH OWNER PRIOR TO ORDERING.								

EXISTING PANEL 'C'

LOCATION: KITCHEN						VOLTAGE: 120/240V 1ø 3W						MIN. AIC RATING: EXISTING						NOTES: PROVIDE TYPED WRITTEN DIRECTORY PROVIDE GROUND & NEUTRAL BUS					
TYPE: EXISTING						MAINS: 100A ☐ MLO ☒ MCB						MOUNTING: EXISTING											
FED FROM: PANEL E						LUGS: ☐ SUB-FEED ☐ FEED-THRU						ENCLOSURE: EXISTING											
CIRCUIT DESCRIPTION	NOTES	BRANCH CIRCUIT				BKR	LOAD KVA	PHASE	LOAD KVA	BKR	BRANCH CIRCUIT				NOTES	CIRCUIT DESCRIPTION	LUGS						
		ø	NEUT	GND	COND						ø	NEUT	GND	COND									
1 REC. IN WH CLOSET		EX	EX	EX	EX	20/2	0.80	A	1.50	50/2	EX	EX	EX	EX	DISHWASHER	2							
3 -		EX	-	-	-	-	0.80	B	1.50	-	EX	-	-	-	-	4							
5 KITCHEN FANS		EX	EX	EX	EX	20/1	0.30	A	0.36	20/1	EX	EX	EX	EX	EAST DH REC	6							
7 AREA POLE		EX	EX	EX	EX	30/2	0.50	B	0.36	20/1	EX	EX	EX	EX	SOUTH DH REC	8							
9 -		EX	-	-	-	-	0.50	A	-	-	-	-	-	-	SPARE	10							
11 STORAGE CLOSET		EX	EX	EX	EX	20/1	0.36	B	-	-	-	-	-	-	SPARE	12							
13 SPACE ONLY		-	-	-	-	-	-	A	0.54	20/1	EX	EX	EX	EX	EAST WALL REC	14							
15 NORTH HOOD FAN		EX	EX	EX	EX	20/1	0.50	B	0.54	20/1	EX	EX	EX	EX	KITCHEN REC	16							
17 ICE MACHINE		EX	EX	EX	EX	30/2	1.00	A	1.00	50/2	EX	EX	EX	EX	WALK-IN COOLER	18							
19 -		EX	-	-	-	-	1.00	B	1.00	-	EX	-	-	-	WALK-IN COOLER	20							
21 SPARE		EX	EX	EX	EX	20/1	-	A	0.72	20/1	EX	EX	EX	EX	DH WALL REC	22							
23 HC BATH		EX	EX	EX	EX	20/1	0.54	B	0.50	20/1	EX	EX	EX	EX	COOLER LIGHTS	24							
25 SPARE		-	-	-	-	20/1	-	A	0.50	20/1	EX	EX	EX	EX	KITCHEN LIGHTS	26							
27 SPARE		-	-	-	-	20/1	-	B	-	20/1	-	-	-	-	SPARE	28							
29 ADA GFCI		EX	EX	EX	EX	20/1	0.54	A	0.50	20/1	EX	EX	EX	EX	EXIT & HOOD LIGHTS	30							
31 EXISTING EQUIPMENT		EX	EX	EX	EX	50/2	2.00	B	0.80	20/1	EX	EX	EX	EX	HEATER	32							
33 -		EX	-	-	-	-	2.00	A	0.30	20/1	EX	EX	EX	EX	PORCH LIGHTS	34							
35 EXISTING EQUIPMENT		EX	EX	EX	EX	50/2	2.00	B	0.50	20/1	EX	EX	EX	EX	EXIT & KITCHEN LIGHTS	36							
37 -		EX	-	-	-	-	2.00	A	0.30	20/1	EX	EX	EX	EX	EXIT & SW OUTSIDE LIGHT	38							
39 SPARE		-	-	-	-	20/1	-	B	0.50	20/1	EX	EX	EX	EX	KITCHEN LIGHTS	40							
EQUIPMENT SERVED						CONN. LOAD		L.F.	D.F.	DEMAND LOAD													
LIGHTING						4.40 KVA			125%	5.50 KVA													
RECEPTACLES - GENERAL						3.96 KVA			100%	3.96 KVA													
EQUIPMENT						17.90 KVA			100%	17.90 KVA													
NOTES:																TOTAL DEMAND LOAD: 27.36 KVA							
-																TOTAL DEMAND AMPS: 114.00 AMPS							

