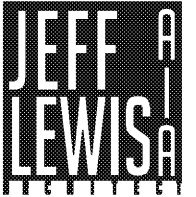
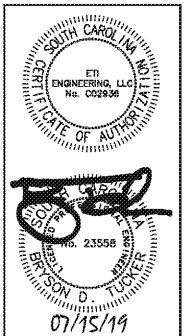


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07/15/19

LUGOFF FACILITY EXPANSION
SANDHILLS MEDICAL FOUNDATION
28 BALDWIN AVENUE
LUGOFF, SOUTH CAROLINA 29078

Table with columns for REVISION, DATE, and DESCRIPTION. Includes a grid for tracking changes.

JOB #16-039-1 07.15.2019

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Project Manager
Troy Linder 4/05
ETI #012-10109

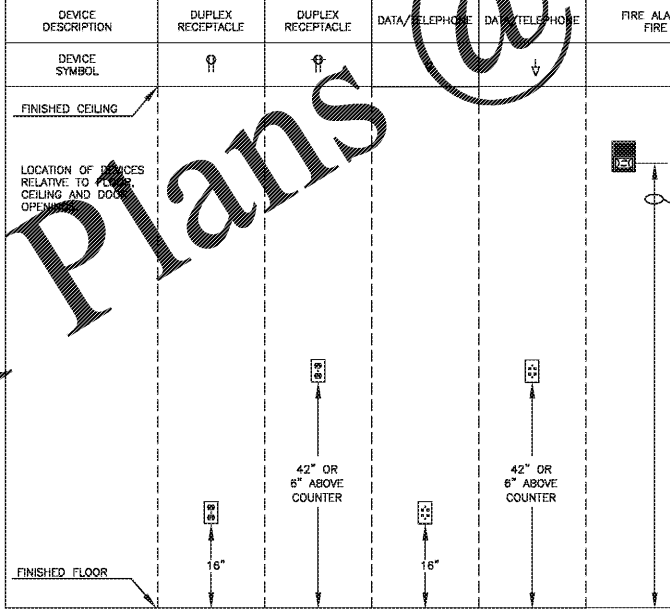
ELECTRICAL SYMBOL SCHEDULE - GENERAL. Table listing symbols for branch circuit raceway, plywood telecom backboard, electrical distribution, signal system, junction box, etc.

- GENERAL NOTES ALL DRAWINGS: 1. DO NOT SCALE DRAWINGS. LOCATE OUTLETS, EQUIPMENT AND OTHER ELECTRICAL DEVICES AS INDICATED AND COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS. COORDINATE EXACT LIGHTING FIXTURE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLAN. 2. MINIMUM SIZE CONDUCTOR FOR POWER SHALL BE #12 AWG. PROVIDE DEDICATED NEUTRAL FOR EACH MULTI-WIRE BRANCH CIRCUIT IN COMPLIANCE WITH NEC. 3. ALL FUSES SHALL BE DUAL-ELEMENT TYPE, "FUSETRON" BY BUSSMAN, "ECON" BY ECONOMY, OR FERRAZ SHAWMUT. 4. BRANCH CIRCUIT SIZES ARE #12 AWG, 1/2"C. UNLESS OTHERWISE NOTED IN PANELBOARD SCHEDULES OR ON DRAWINGS. 5. ALL BRANCH CIRCUIT LOADS SHALL BE BALANCED ACROSS PANELBOARD BUSES TO OBTAIN MINIMUM NEUTRAL CURRENT. 6. ALL FLEXIBLE CONDUIT SHALL CONTAIN A GREEN WIRE BONDED TO RIGID RACEWAY, BOX OR FIXTURE AT EACH END OF FLEX. SIZE GROUND PER NEC TABLE 250-122. 7. PROVIDE PULL STRING IN ALL SIZE RACEWAYS. 8. COORDINATE WITH OTHER TRADES TO CONCEAL ELECTRICAL WORK AND PROVIDE OUTLETS IN CORRECT LOCATIONS. 9. DO NOT FLUSH MOUNT JUNCTION BOXES BACK TO BACK, STAGGER TO REDUCE SOUND TRANSMISSION BETWEEN ROOMS. 10. CONCEAL OUTLETS FOR ALL EQUIPMENT IN FINISHED AREAS. OBTAIN ROUGHING DIAGRAMS FOR ALL EQUIPMENT AND INSTALL ELECTRICAL WORK ACCORDING TO DIAGRAMS. 11. MOUNT BRACKET TYPE LIGHTING FIXTURES AT HEIGHTS SHOWN OR SCHEDULED ON DRAWINGS OR AS DIRECTED ON JOB BY ARCHITECT UNLESS NOTED OTHERWISE. 12. SEAL ALL PENETRATIONS TO RATED WALLS AND CEILINGS WITH UL LISTED FIREPROOFING SYSTEM. THIS IS TO INCLUDE BUT IS IN NO WAY LIMITED TO CONDUCTOR, RACEWAY AND DEVICE PENETRATIONS. SUBMIT SYSTEM AND INSTALLATION DETAILS AS PART OF SHOP DRAWING SUBMITTAL. 13. WHERE NOT INDICATED OTHERWISE, EQUIPMENT GROUNDING CONDUCTORS SHALL BE SIZED PER NEC TABLE 250-122. 14. ALL METAL CONDUITS 1" AND LARGER SHALL HAVE A GROUNDING BUSHING BONDING CONDUIT TO ENCLOSURE. 15. REMOVE DRYWALL DUST AND MUD FROM THE INTERIOR OF BOXES BEFORE INSTALLING DEVICES. 16. AT SUBSTANTIAL COMPLETION CLEAN ALL LIGHT FIXTURES AND CLEAN ALL DEVICES IN THE CONSTRUCTION AREAS. REPLACE DAMAGED DEVICES AND DEVICE PLATES AS NEEDED. 17. VERIFY ALL MECHANICAL EQUIPMENT LOCATIONS AND ELECTRICAL REQUIREMENTS WITH MECHANICAL PLANS. IF MECHANICAL EQUIPMENT BEING PROVIDED DOES NOT MATCH DESIGN NOTIFY ENGINEER IMMEDIATELY. 18. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING WORK WITH POWER, TELEPHONE AND CATV UTILITIES. ELECTRICAL CONTRACTOR TO PROVIDE ALL MATERIALS AND WORK FOR AS REQUIRED BY EACH UTILITY FOR A COMPLETE AND OPERABLE SYSTEM. PROVIDE RACEWAY(S) TO UTILITY CONNECTION POINT. 19. CONCEAL ALL CONDUIT AND RACEWAY. IF CONDITIONS REQUIRE CONDUIT OR RACEWAY TO BE RUN EXPOSED COORDINATE ROUTING WITH ARCHITECT AND PAINT AS REQUIRED BY ARCHITECT. 20. ELECTRICAL WORK SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES, REQUIREMENTS AND ORDINANCES. 21. ALL BACKBOXES SHALL BE MINIMUM 4" SQUARE. 22. ALL EMT FITTINGS SHALL BE STEEL COMPRESSION TYPE WITH INSULATED THROAT. 23. COORDINATE WITH GENERAL CONTRACTOR TO PROVIDE BLOCKING AT ALL WALL MOUNTED DEVICES (TELEVISIONS, ETC.). 24. PROVIDE PLASTIC ENGRAVED NAMETAGS FOR ALL ELECTRICAL GEAR. INDICATE EQUIPMENT NAME, EQUIPMENT SERVED (WHERE APPLICABLE), FEEDER SOURCE AND CIRCUIT, VOLTAGE. LETTERING SHALL BE 3/8" IN HEIGHT, WHITE ON BLACK BACKGROUND. 25. PROVIDE LABELS INDICATING CIRCUIT NUMBER AND SOURCE FOR ALL 120V AND GREATER DEVICES. LABELS SHALL BE THERMAL TRANSFER TYPE, 3/8" WITH 1/4" BLACK LETTERING. WHITE BACKGROUND FOR BLACK DEVICES, CLEAR BACKGROUND OTHERWISE. 26. ALL RACEWAYS TRANSITIONING BETWEEN CONDITIONED AND UNCONDITIONED SPACED AND RACEWAYS EXITING BUILDING SHALL BE SEALED IN ACCORDANCE WITH NEC. USE POLYWATER FST DUCT SEALANT SYSTEM OR EQUIVALENT. 27. ELECTRICAL INSTALLATION SHALL COMPLY WITH NEC 517 IN ALL PATIENT CARE AREAS AND ADJACENT TO PATIENT CARE AREAS.

DISCONNECT SWITCH SCHEDULE. Table with columns for SWITCH, DESCRIPTION, and SWITCH NOTES. Includes notes about disconnect types and locations.

ELECTRICAL SYMBOL SCHEDULE - LIGHTING SYSTEMS AND ACCESSORIES. Table listing symbols for ceiling mounted light fixture, strip fixture, wall mounted fixture, ceiling mounted fixture, pendant mounted fixture, LED exit sign, 120-277V 20A dimmer light switch, 120-277V 20A single pole light switch, 120-277V 20A 1HP 120V motor rated toggle switch, 120-277V occupancy sensor wall switch, ceiling mounted low voltage 360° coverage occupancy sensor, wall mounted digital network lighting control switch.

ABBREVIATIONS. Table listing abbreviations for electrical symbols such as A (ampere), AFF (above finished floor), AFD (above finished grade), etc.



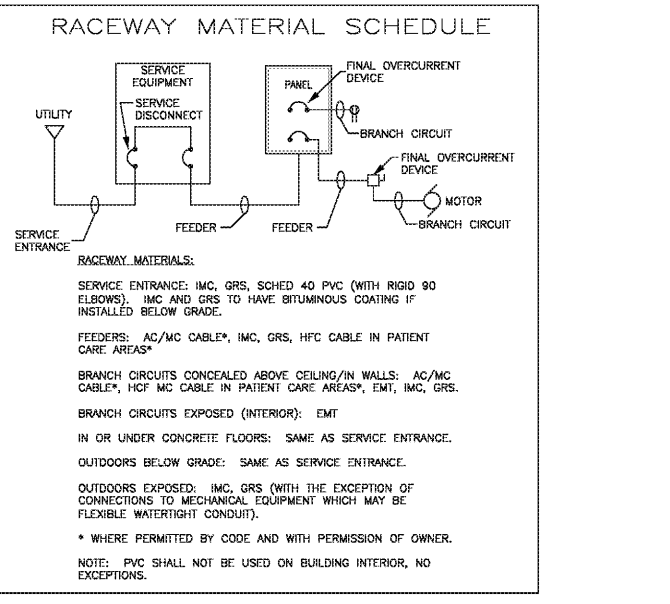
ALL MOUNTING HEIGHTS ARE TYPICAL UNLESS OTHERWISE NOTED ON PLANS.
DEVICE MOUNTING HEIGHTS
NO SCALE

ELECTRICAL SYMBOL SCHEDULE - POWER. Table listing symbols for 120V 20A duplex receptacle, 120V 20A quadraplex receptacle, 120V 20A duplex receptacle connected to stand-by generator circuit, 208V (or 240V) 1Ø receptacle, electric motor or exhaust fan, heavy duty disconnect switch, generator annunciator panel.

WIRING DEVICE TYPICAL NOTATIONS. Table listing notations for ground fault circuit interrupter type receptacle, ground fault circuit interrupter type with cast weatherproof in-l type cover, indicates receptacle to be installed in a microwave oven, indicates power connection location to dishwasher, indicates receptacle location for electric water cooler, indicates tamper resistant type receptacle, indicates connection to automatic door via controllers, indicates connection to hood, indicates connection to water heater for control power, indicates receptacle to be wired through 20A self-test faceless ground fault interrupter device.

ELECTRICAL SYMBOL SCHEDULE - COMMUNICATIONS. Table listing symbols for combination data/telephone outlet location, same as above except mounted at countertop height, wall mounted telephone outlet location, CATV outlet, flush floor mounted data/communications outlet, access control outlet, electric door lock with entry sensor, silent alarm push button, silent alarm alert station, access control system panel.

ELECTRICAL SYMBOL SCHEDULE - FIRE ALARM. Table listing symbols for fire alarm pull station, fire alarm horn/strobe, fire alarm strobe only, ceiling mounted fire alarm system horn/strobe notification device, ceiling mounted fire alarm system strobe notification device, ceiling mounted smoke detector, ceiling mounted multi-criteria fire/carbon monoxide detector, fire alarm recessed remote annunciator panel, main fire alarm control panel, sprinkler system flow switch and tamper switch.



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