ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	2x4 LIGHT FIXTURE, RECESSED OR SURFACE MOUNTED LETTER INDICATES FIXTURE TYPE, SEE LIGHITNG FIXTURE SCHEDULE
	2x2 LIGHT FIXTURE, RECESSED OR SURFACE MOUNTED LETTER INDICATES FIXTURE TYPE, SEE LIGHTING FIXTURE SCHEDULE
	4FT OR 8FT LIGHT FIXTURE, RECESSED OR SURFACE MOUNTED LETTER INDICATES FIXTURE TYPE, SEE LIGHTING FIXTURE SCHEDULE
	4FT OR 8FT CHANNEL LIGHT FIXTURE, SUSPENDED OR SURFACE MOUNTED LETTER INDICATES FIXTURE TYPE, SEE LIGHTING FIXTURE SCHEDULE
	UNDER COUNTER LIGHT FIXTURE LETTER INDICATES FIXTURE TYPE, SEE LIGHTING FIXTURE SCHEDULE
	STAGGER STRIP LIGHT FIXTURE, SURFACE MOUNTED IN LIGHTING COVE LETTER INDICATES FIXTURE TYPE, SEE LIGHTING FIXTURE SCHEDULE
	DIRECT/INDIRECT FIXTURE, SUSPENDED LETTER INDICATES FIXTURE TYPE, SEE LIGHTING FIXTURE SCHEDULE
	RECESSED LIGHT FIXTURE LETTER INDICATES FIXTURE TYPE, SEE LIGHITNG FIXTURE SCHEDULE
	SURFACE LIGHT FIXTURE LETTER INDICATES FIXTURE TYPE, SEE LIGHTING FIXTURE SCHEDULE
	WALL MOUNTED LIGHT FIXTURE LETTER INDICATES FIXTURE TYPE, SEE LIGHTING FIXTURE SCHEDULE
	**FOR ALL LIGHTING TYPES ABOVE: -A HEAVY LINE THROUGH A FIXTURE SHOWS THE FIXTURE IS CONNECTED TO THE CRITICAL BRANCH POWER SYSTEM. -A FIXTURE HALF SHADED SHOWS THE FIXTURE IS ON THE LIFE SAFETY BRANCH POWER SYSTEM.
	RACEWAY CONCEALED ABOVE CEILING OR IN WALL
	RACEWAY CONCEALED BELOW FLOOR OR SLAB
	RACEWAY EXPOSED ON WALL OR CEILING
	CONDUIT, HOMERUN TO PANEL BOARD
	EXIT SIGN, SINGLE FACE, CEILING, ARROW INDICATES DIRECTION. LETTER INDICATES FIXTURE TYPE, SEE LIGHTING FIXTURE SCHEDULE
	EXIT SIGN, DOUBLE FACE, CEILING MOUNTED, ARROW INDICATES DIRECTION. LETTER INDICATES FIXTURE TYPE, SEE LIGHTING FIXTURE SCHEDULE)
	EXIT SIGN W/EMERGENCY LIGHTING UNIT, CEILING MOUNTED, ARROW INDICATES DIRECTION. LETTER INDICATES FIXTURE TYPE, SEE LIGHTING FIXTURE SCHEDULE
	EXIT SIGN, SINGLE FACE, WALL/END MOUNTED, ARROW INDICATES DIRECTION. LETTER INDICATES FIXTURE TYPE, SEE LIGHTING FIXTURE SCHEDULE
	EXIT SIGN, DOUBLE FACE, WALL/END MOUNTED, ARROW INDICATES DIRECTION. INDICATES FIXTURE TYPE, SEE LIGHTING FIXTURE SCHEDULE
	EXIT SIGN W/EMERGENCY LIGHTING UNIT, WALL/END MOUNTED, ARROW INDICATES DIRECTION. INDICATES FIXTURE TYPE, SEE LIGHTING FIXTURE SCHEDULE
	EMERGENCY LIGHTING UNIT, 2-HEAD WITH BATTERY BACK-UP, WALL MOUNTED, "NOT SWITCHED" LETTER INDICATES FIXTURE TYPE, SEE LIGHTING FIXTURE SCHEDULE
PE	PHOTOCELL, REMOTE MOUNTED, 120V, 10 SECOND TIME DELAY, UL WET LOCATION, RATED FOR 1500 W @ 120 VAC AND 4000 W @ 277 VAC (FOR USE WITH LAMP SOURCE(S) SHOWN)
$	SWITCH, SINGLE POLE, 120/277VAC, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED, SEE ELECTRICAL MOUNTING HEIGHT DETAIL. LOWER CASE LETTER INDICATES FIXTURE SWITCHING, WHEN INDICATED
$3	3-WAY SWITCH, 120/277 VAC, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED
$4	4-WAY SWITCH 120/277 VAC, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED
$WP	WEATHERPROOF SWITCH, SINGLE POLE 120/277 VAC, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED
$P	PILOT LIGHT SWITCH 120/277 VAC, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED
3$P	3-WAY PILOT LIGHT SWITCH 120/277 VAC, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED
4$P	4-WAY PILOT LIGHT SWITCH 120/277 VAC, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED
$2P	SNAP SWITCH, 20A, 208V MINIMUM RATING, LARGER AS REQUIRED BY EQUIPMENT, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED
D$	HEAVY DUTY LINE VOLTAGE DIMMER,1500W @ 120 VAC AND 4000W @ 277 VAC, 0-10V (IF REQUIRED) SINGLE POLE, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED LOWER CASE LETTER INDICATES FIXTURE SWITCHING (WHEN INDICATED)
D$3	THREE WAY HEAVY DUTY LINE VOLTAGE DIMMER,1500W @ 120 VAC AND 4000W @ 277 VAC, 0-10V (IF REQUIRED) SINGLE POLE, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED LOWER CASE LETTER INDICATES FIXTURE SWITCHING (WHEN INDICATED)
AFC$	ADJUSTABLE FAN CONTROL, 120/277VAC, SINGLE POLE, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED (SEE ELECTRICAL MOUNTING HEIGHT DETAIL). LOWER CASE LETTER INDICATES FIXTURE SWITCHING (WHEN INDICATED)
OS	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, 360° COVERAGE 2 = SECOND CONTACT TO BE PROVIDED FOR CONNECTION TO BUILDING MANAGEMENT
OS	CEILING MOUNTED OCCUPANCY SENSOR, LONG RANGE COVERAGE 2 = SECOND CONTACT TO BE PROVIDED FOR CONNECTION TO BUILDING MANAGEMENT
OS	WALL MOUNTED OCCUPANCY SENSOR, 180° COVERAGE 2 = SECOND CONTACT TO BE PROVIDED FOR CONNECTION TO BUILDING MANAGEMENT
OS	WALL MOUNTED OCCUPANCY SENSOR, PIR TECHNOLOGY OCCUPANCY SENSOR, LOW VOLTAGE (24VDC) 19mA DRAW, WATTSTOPPER CX100-1, LONG RANGE SENSOR. INSTALL WHERE FREE OF OBSTRUCTIONS.
OS	WALL MOUNTED OCCUPANCY SENSOR, PIR TECHNOLOGY OCCUPANCY SENSOR, LOW VOLTAGE (24VDC) 19mA DRAW, WATTSTOPPER CX100-3, TWO SIDED AISLEWAY. INSTALL WHERE FREE OF OBSTRUCTIONS.
O$	WALL MOUNTED OCCUPANCY SENSOR, SINGLE BUTTON ON/OFF CONTROL, 180° COVERAGE, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED.
O$D	WALL MOUNTED DUAL TECH OCCUPANCY SENSOR, DUAL BUTTON ON/OFF CONTROL WITH 0-10V DIMMING, 180° COVERAGE, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED. WATTSTOPPER DW-311 OR EQUAL.
O$F	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, DUAL BUTTON ON/OFF CONTROL, 180° COVERAGE, ADDITIONAL POWER SUPPLY FOR FAN OPERATION, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED.

SYMBOL	DESCRIPTION
	RECESSED GANG BOX WITH BLANK COVER PLATE, MOUNTED 16" AFF, UNLESS OTHERWISE NOTED
	RECESSED SINGLE OUTLET, 120VAC, 20A, MOUNTED AS INDICATED ON DRAWING.
	RECEPTACLE, DUPLEX, 120VAC, 20A, MOUNTED 16" AFF, UNLESS OTHERWISE NOTED.
	RECEPTACLE, DUPLEX, 120VAC, 20A, MOUNTED 6" ABOVE COUNTER TOP OR BACK SPLASH.
	RECEPTACLE, QUADPLEX, 120VAC, 20A MOUNTED 16"AFF UNLESS OTHERWISE NOTED
	RECEPTACLE, QUADPLEX, 120VAC, 20A, MOUNTED 6" ABOVE COUNTER TOP OR BACK SPLASH.
	RECEPTACLE, DUPLEX, GROUND FAULT CIRCUIT INTERRUPTER TYPE, 120VAC, 20A, MOUNTED 16" AFF, UNLESS OTHERWISE NOTED.
	RECEPTACLE, DUPLEX, GROUND FAULT CIRCUIT INTERRUPTER TYPE, 120VAC, 20A, MOUNTED 6" ABOVE COUNTER TOP OR BACK SPLASH.
	RECEPTACLE, QUADPLEX, GROUND FAULT CIRCUIT INTERRUPTER TYPE, 120VAC, 20A MOUNTED 16"AFF UNLESS OTHERWISE NOTED
	RECEPTACLE, QUADPLEX, GROUND FAULT CIRCUIT INTERRUPTER TYPE, 120VAC, 20A, MOUNTED 6" ABOVE COUNTER TOP OR BACK SPLASH.
	RECEPTACLE, 208VAC, 2 POLE, 3 WIRE, WALL MOUNTED, SIZE AS INDICATED ON DRAWING
	RECEPTACLE, 480VAC, 2 POLE, 3 WIRE, WALL MOUNTED, SIZE AS INDICATED ON DRAWING
	RECEPTACLE, DUPLEX, 120VAC, 20A CEILING MOUNTED (LAY-IN / GYPBOARD / SUSPENDED)
	RECEPTACLE, DUPLEX, 120VAC, 20A RECESSED FLOOR MOUNTED.
	UPS FED RECEPTACLE, DUPLEX, 120VAC, 20A, MOUNTED 16" AFF, UNLESS OTHERWISE NOTED.
	UPS FED RECEPTACLE, QUADPLEX, 120VAC, 20A, MOUNTED 16" AFF, UNLESS OTHERWISE NOTED.
	**FOR ALL RECEPTACLE TYPES ABOVE: +XX"- INDICATES MOUNTING HEIGHT OF DEVICE IN INCHES AFF (IF GIVEN). SEE ELECTRICAL MOUNTING HEIGHT DETAIL WP - LISTED WEATHER-RESISTANT TYPE DEVICE WITH WEATHERPROOF IN USE COVER TR - TAMPER RESISTANT
30A/3/3R W/ 30AF	DISCONNECT SWITCH, FUSED, HEAVY DUTY, SIZE AS INDICATED ON DRAWINGS ##A = DISCONNECT SIZE / # = NUMBER OF POLES / # = NEMA RATING, / ##AF = FUSE SIZE, PROVIDE NEUTRAL BAR AS REQUIRED
CB	ENCLOSED CIRCUIT BREAKER, SIZE AS INDICATED ON DRAWINGS, MOUNTED 48"AFF UON ##A = BREAKER SIZE / #P = NUMBER OF POLES / # = NEMA RATING
	VARIABLE FREQUENCY DRIVE (VFD)
"Equip" #AMP HMCP (#HP) NEMA # M	COMBINATION STARTER WITH CIRCUIT BREAKER DISCONNECT, FULL VOLTAGE, SIZE AS INDICATED ON DRAWINGS
	MANUAL MOTOR STARTER, ELECTRICAL CONTRACTOR SHALL COORDINATE POLES AND SIZE WITH EQUIPMENT, 277V, 20A, SINGLE POLE, UON XXXV, XA, P = VOLTAGE, RATING IN AMPS, POLES WHEN INDICATED ON DRAWINGS
	3 UP/STOP/DN PUSHBUTTON CONTROLLER
	PANELBOARD, SURFACE OR RECESSED MOUNTED AS SHOWN. SIZE, RATINGS, AND MOUNTING AS INDICATED ON PANEL SCHEDULE. CONTRACTOR IS RESPONSIBLE FOR REQUIRED CLEARANCE IN FRONT OF ELECTRICAL PANEL. SEE NEC TABLE 110.26 WORKING SPACES FOR ADDITIONAL CLEARANCE CONDITIONS.
	UTILITY REVENUE METER
PP	MODULAR FURNITURE SERVICE POLE PROVIDED AND INSTALLED BY MODULAR FURNITURE VENDOR.
M	ELECTRICAL MOTOR
	GROUND BUS, "E" INDICATES ELECTRICAL GROUND BAR, "TG" INDICATES TELECOMMUNICATIONS GROUND BAR

SYMBOL	DESCRIPTION
WP WAP WALL CLNG	WIRELESS ACCESS POINT, 2 CAT6 DATA CABLES IN A DUAL GANG BOX WITH A SINGLE GANG PLASTER RING, OWNER SHALL PROVIDE SURGE PROTECTOR AND WAP DEVICE, DATA CABLE BY OWNER. WP - LISTED WEATHER-RESISTANT TYPE DEVICE
	DUAL DATA OUTLET, TWO GANG BOX WITH A SINGLE GANG PLASTER RING MOUNTED 18" AFF UON. PROVIDE 1-1/4" CONDUIT W/ PULL STRING TO THE ACCESSIBLE CEILING ABOVE OR TO THE DATA CLOSET. IF OUTLET IS INSTALLED IN A NON-ACCESSIBLE CEILING AREA, EXTEND CONDUIT TO THE DATA CLOSET OR UNTIL IT REACHES AN ACCESSIBLE CEILING OR AN AREA OPEN TO THE CEILING STRUCTURE COMMUNICATING WITH THE DATA CLOSET. ONCE IN AN ACCESSIBLE CEILING AREA, SUPPORT CABLES USING J-HOOKS TO THE DATA CLOSET, SEE 2/E0.9. DATA CABLE BY OWNER.
	WALL TELEPHONE OUTLET, TWO GANG BOX WITH A SINGLE GANG PLASTER RING MOUNTED 18" AFF UON. PROVIDE 1-1/4" CONDUIT W/ PULL STRING TO THE ACCESSIBLE CEILING ABOVE OR TO THE DATA CLOSET. IF OUTLET IS INSTALLED IN A NON-ACCESSIBLE CEILING AREA, EXTEND CONDUIT TO THE DATA CLOSET OR UNTIL IT REACHES AN ACCESSIBLE CEILING OR AN AREA OPEN TO THE CEILING STRUCTURE COMMUNICATING WITH THE DATA CLOSET. ONCE IN AN ACCESSIBLE CEILING AREA, SUPPORT CABLES USING J-HOOKS TO THE DATA CLOSET, SEE 2/E0.9. DATA CABLE BY OWNER.
	DUAL DATA OUTLET, RECESSED CEILING MOUNTED (LAY-IN / GYPBOARD) PROVIDE 1-1/4" CONDUIT W. PULL STRING TO THE ACCESSIBLE CEILING ABOVE OR TO THE DATA CLOSET. IF OUTLET IS INSTALLED IN A NON-ACCESSIBLE CEILING AREA, EXTEND CONDUIT TO THE DATA CLOSET OR UNTIL IT REACHES AN ACCESSIBLE CEILING OR AN AREA OPEN TO THE CEILING STRUCTURE COMMUNICATING WITH THE DATA CLOSET. ONCE IN AN ACCESSIBLE CEILING AREA, SUPPORT CABLES USING J-HOOKS TO THE DATA CLOSET, SEE 2/E0.9. DATA CABLE BY OWNER.
2G	COMBINATION POWER/DATA/TELEPHONE BOX, RECESSED FLOOR MOUNTED (CAST-IN-PLACE). PROVIDE BRASS COVER PLATE WITH FLUSH ACCESS COVERS FOR EACH PLUG IN CONNECTION. PROVIDE PULL STRING IN CONDUIT. SEE 2/E0.9. DATA CABLE BY OWNER. POWER BY CONTRACTOR. #G = GANG FLOOR BOX WITH TWO DUPLEX RECEPTACLES, VOICE AND DATA
J	JUNCTION BOX - WALL MOUNTED +##" - INDICATES MOUNTING HEIGHT OF DEVICE IN INCHES AFF (IF GIVEN)
J	JUNCTION BOX - CEILING/ABOVE CEILING MOUNTED
J	JUNCTION BOX - FLOOR MOUNTED
	WALL MOUNTED DOUBLE GANG BOX FOR TELEVISION MOUNTED AT 72" AFF UNLESS NOTED OTHERWISE. BOX SHALL HAVE DUPLEX RECEPTACLE AND DATA CONNECTIONS FOR TELEVISION AS DIRECTED BY OWNER. BOX SHALL BE PASS & SEYMOUR TV2MW OR APPROVED EQUIVALENT.
	CEILING MOUNTED DOUBLE GANG BOX FOR TELEVISION . BOX SHALL HAVE DUPLEX RECEPTACLE AND DATA CONNECTIONS FOR TELEVISION AS DIRECTED BY OWNER. BOX SHALL BE PASS & SEYMOUR TV2MW OR APPROVED EQUIVALENT.

TYPICAL ABBREVIATIONS:

A, AMP	AMPERE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BOF	BOTTOM OF FIXTURE
BRKR	BREAKER
C, CND	CONDUIT
CAB	CABINET
CAT	CATALOG
CL	CHLORINE
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
CP	CONTROL PANEL
CR	CONTROL RELAY, CORROSION RESISTANT
CS	CONTROL SWITCH
CV	CONTROL VALVE
CT	CURRENT TRANSFORMER
CU	COPPER
EF	EXHAUST FAN
EMER	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ERGB	ELECTRICAL ROOM GROUND BAR
ENCL	ENCLOSURE
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EPRF	EXPLOSION PROOF
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OTHERS
FLA	FULL LOAD AMPS
FLUOR	FLUORESCENT
FLR	FLOOR
FWE	FURNISHED WITH EQUIPMENT
GEN	GENERATOR
G, GND	GROUND
GFCI	GROUND FAULT CURRENT INTERRUPTER
HH	HANDHOLE
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTO
HP	HORSE POWER
HPF	HIGH POWER FACTOR
HPS	HIGH PRESSURE SODIUM
HTR	HEATER
HV	HIGH VOLTAGE
Hz	HERTZ
IMC	INTERMEDIATE METALLIC CONDUIT
INCAND	INCANDESCENT
JB	JUNCTION BOX
K	THOUSAND
KCMIL	THOUSAND CIRCULAR MILLS
KVA	KILOVOLT AMPERE
KW	KILOWATTS
KWH	KILOWATT-HOURS
LP	LIGHTING PANEL, LIGHT POLE
LTG	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MDP	MAIN DISTRIBUTION PANEL
MDS	MAIN DISTRIBUTION SWITCHBOARD
MFR	MANUFACTURER
MH	MANHOLE
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTG	MOUNTING
MTS	MANUAL TRANSFER SWITCH
MV	MEDIUM VOLTAGE
N, NEUT	NEUTRAL
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
P	POLE
PA	PUBLIC ADDRESS
PB	PULL BOX, PUSH-BUTTON
PF	POWER FACTOR
PH,	PHASE
PLC	PROGRAMMABLE LOGIC CONTROLLER
PNL	PANEL
PP	POWER PANEL, POWER POLE
PT	POTENTIAL TRANSFORMER
PWR	POWER
RECPT, RCP	RECEPTACLE
REQ'D	REQUIRED
RGS	RIGID GALVANIZED STEEL CONDUIT
RM	ROOM
RTU	REMOTE TELEMETRY UNIT
SCR	DC MOTOR DRIVE
SH	SHEET
SPEC	SPECIFICATION
SS	SELECTOR SWITCH
SST	STAINLESS STEEL
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCH GEAR
TEL	TELEPHONE
TGB	TELECOMMUNICATIONS GROUND BAR
TMGB	TELECOMMUNICATIONS MAIN GROUND BAR
TPS	TWISTED PAIR SHIELDED
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
TYP	TYPICAL
UGND	UNDERGROUND
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
UTIL	UTILITY
V	VOLTS
VFD	VARIABLE FREQUENCY DRIVE
W	WIRE, WATT
WH	WATT-HOUR
WP	WEATHERPROOF
XFMR	TRANSFORMER

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100 BED FACILITY
ABBREVIATIONS AND LEGEND

E0.1

GENERAL NOTES:

1. THE CONTRACTOR SHALL REVIEW THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR WORK REQUIREMENTS, THE AMOUNT OF SPACE AVAILABLE FOR ELECTRICAL EQUIPMENT, AND LAYOUT HIS WORK IN A COMPATIBLE AND COMPLEMENTARY MANNER.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THOROUGHLY FAMILIARIZING HIMSELF WITH ANY CONTRACTUAL REQUIREMENTS AS MAY BE SET FORTH IN THE OTHER DIVISIONS OF THE PROJECT SPECIFICATIONS.

3. UNLESS SPECIFICALLY NOTED OTHERWISE, SYSTEMS PROVIDED OR INSTALLED BY THE ELECTRICAL CONTRACTOR SHALL BE COMPLETE AND FULLY-FUNCTIONING AFTER INSTALLATION. INCIDENTAL COMPONENTS MAY NOT BE SHOWN, AND ALL WORK WHICH MAY BE REASONABLY IMPLIED AS BEING INCIDENTAL TO THIS WORK, BUT REQUIRED FOR THE PROPER OPERATION OF THE EQUIPMENT OR SYSTEM, SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER. ADDITIONAL CIRCUITS SHALL BE INSTALLED WHEREVER NEEDED TO CONFORM TO THE SPECIFIC REQUIREMENTS OF EQUIPMENT.

4. BIDDERS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE CONSTRUCTION DOCUMENTS NOTWITHSTANDING.

5. TEMPORARY POWER CONNECTIONS AS REQUIRED SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER. ALL TEMPORARY EQUIPMENT WIRING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. THE CONTRACTOR SHALL PROVIDE DETAILS, METHODS, MATERIALS, ETC. TO THE ARCHITECT/ENGINEER PRIOR TO MAKING TEMPORARY CONNECTIONS. FURNISH AND INSTALL ALL EQUIPMENT AND MATERIALS INCLUDING CONTROL EQUIPMENT, MOTOR STARTERS, BRANCH AND FEEDER CIRCUIT BREAKERS, PANELBOARDS, TRANSFORMERS, ETC. FOR TEMPORARY POWER. COORDINATE WITH THE ELECTRICAL UTILITY COMPANY AS REQUIRED.

6. THE WORK SHALL INCLUDE COMPLETE TESTING OF ALL EQUIPMENT AND WIRING AT THE COMPLETION OF WORK AND ANY MINOR CORRECTIONS, CHANGES OR ADJUSTMENTS NECESSARY FOR THE PROPER FUNCTIONING OF THE SYSTEM AND EQUIPMENT.

7. ALL EQUIPMENT SHOWN DOTTED OR DASHED IS BY OTHERS.

8. DO NOT SCALE ELECTRICAL DRAWINGS. REFER TO THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS.

9. CIRCUIT ARRANGEMENTS AND CONFIGURATIONS ARE NOT INTENDED TO SHOW THE NUMBER OF FITTINGS, OR OTHER INSTALLATION DETAILS. UNLESS NOTED OTHERWISE, THE EXACT ROUTING OF FEEDER AND BRANCH CIRCUIT RACEWAYS AND CABLES IS THE RESPONSIBILITY OF THE CONTRACTOR. RISER AND GENERAL CIRCUIT ARRANGEMENTS ARE SHOWN SCHEMATICALLY/DIAGRAMMATICALLY ONLY. THE CONTRACTOR SHALL ROUTE CONDUITS AS REQUIRED BY THE CONDITIONS OF THE INSTALLATION.
10.

11. UNLESS DIMENSIONED, DEVICE LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. ADJUST EXACT LOCATIONS AS REQUIRED TO SERVE THE INTENDED PURPOSE AND TO AVOID CONFLICTS AND INTERFERENCES WITH OTHER TRADES. EXACT DEVICE LOCATIONS SHALL BE AS INDICATED ON THE ARCHITECTURAL DRAWINGS OR AS DIMENSIONED. IF NOT SHOWN ON THE ARCHITECTURAL DRAWINGS OR DIMENSIONED ON THE ELECTRICAL DRAWINGS, VERIFY EXACT LOCATION WITH THE ARCHITECT/ENGINEER PRIOR TO ROUGH-IN.

12. CONDUIT TERMINATING IN PRESSED STEEL BOXES SHALL HAVE DOUBLE LOCKNUTS AND INSULATED BUSHINGS. CONDUITS TERMINATING IN GASKETED ENCLOSURES SHALL BE TERMINATED WITH GROUNDING TYPE CONDUIT HUBS.

13. DEVICE BOXES SHOWN BACK-TO-BACK SHALL BE OFFSET A MINIMUM OF TWELVE (12) INCHES TO REDUCE SOUND TRANSMISSION BETWEEN ROOMS.

14. THE DRAWINGS INDICATE THE NUMBER OF BRANCH CIRCUIT HOMERUN PHASE CONDUCTORS VIA ARROWHEADS. PROVIDE NEUTRAL AND EQUIPMENT GROUND CONDUCTORS AS REQUIRED. ADDITIONAL CONDUCTORS REQUIRED FOR CONTROL SHALL BE INCLUDED EVEN IF NOT EXPLICITLY SHOWN.

15. SEAL ALL CONDUIT OPENINGS THROUGH EXTERIOR BUILDING WALLS WATERTIGHT.

16. ALL EXTERIOR WIRING DEVICES, BOXES, ETC. SHALL BE WEATHERPROOF. LIGHTING FIXTURES SHALL BE APPROPRIATELY RATED AND LISTED FOR THE ENVIRONMENT.

17. MAINTAIN CEILING FIRE RATINGS WITH ALL NECESSARY LIGHTING FIXTURE TRIM, ACCESSORIES, OPTIONS AND/OR FIELD FABRICATED SHROUDS COMPLYING WITH ALL APPLICABLE CODES.

18. RACEWAYS AND CABLES PENETRATING FLOORS, CEILINGS OR WALLS SHALL BE PROPERLY SEALED SMOKETIGHT.

19. RACEWAYS AND CABLES PENETRATING RATED FLOOR, CEILING OR WALL ASSEMBLIES SHALL BE PROPERLY SEALED IN ACCORDANCE WITH THE CORRESPONDING UNDERWRITERS LABORATORIES (OR OTHER APPROVED THIRD PARTY TESTING AGENCY) APPROVED AND LISTED FIRESTOPPING MATERIALS AND MANUFACTURER APPROVED INSTALLATION TECHNIQUES COMPLYING WITH ALL APPLICABLE CODES. SEE ARCHITECTURAL DRAWINGS FOR IDENTIFICATION OF RATED WALLS AND CEILINGS.

20. LIGHTING FIXTURES MOUNTED IN FIRE-RATED CEILINGS SHALL BE PROVIDED WITH ACCESSORIES NECESSARY TO MAINTAIN THE CEILING FIRE RATING.

21. ALL RACEWAYS AND CABLES SHALL BE CONCEALED EXCEPT THOSE SHOWN ON DRAWINGS TO BE EXPOSED. IF APPLICABLE, MATCH EXISTING RACEWAY INSTALLATION METHODS AND ROUTINGS AT OR NEAR EXISTING FACILITIES.

22. INSTALL EXPOSED RACEWAYS PARALLEL TO OR AT RIGHT ANGLES TO NEARBY SURFACES OR STRUCTURAL MEMBERS, AND FOLLOW THE SURFACE CONTOURS AS MUCH AS POSSIBLE. NO DIAGONAL RUNS SHALL BE ALLOWED. ALL CONDUITS SHALL BE RUN STRAIGHT AND TRUE. RUN PARALLEL OR BANKED RACEWAYS TOGETHER ON COMMON SUPPORTS WHERE PRACTICAL. MAKE BENDS IN PARALLEL OR BANKED RUNS FROM SAME CENTERLINE TO MAKE BENDS PARALLEL.

23. PROVIDE AND PLACE ALL SLEEVES FOR CONDUITS PENETRATING WALLS, FLOORS, PARTITIONS, ETC. LOCATE ALL NECESSARY SLOTS FOR ELECTRICAL WORK AND FORM BEFORE CONCRETE IS POURED.

24. PATCHING OF WATERPROOFED SURFACES SHALL RENDER THE AREA OF THE PATCHING COMPLETELY WATERPROOF.

25. ALL MOTORS AND OTHER VIBRATING EQUIPMENT SHALL BE CONNECTED TO THE CONDUIT SYSTEM BY MEANS OF A SHORT SECTION (18 INCH MINIMUM) OF FLEXIBLE CONDUIT UNLESS OTHERWISE INDICATED. AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED INSIDE THE FLEXIBLE CONDUIT AND TERMINATE AT THE LOAD END WITH AN APPROVED GROUNDING CLAMP OR LUG.

26. SURFACE MOUNTED PANELBOARDS, JUNCTION, OUTLET AND PULL BOXES, RACEWAYS, ETC., INSTALLED ON EXTERIOR SURFACES OR INSIDE ON EXTERIOR WALLS SHALL BE SUPPORTED BY SPACERS TO PROVIDE A 1/4" MINIMUM CLEARANCE BETWEEN THE WALL AND EQUIPMENT.

27. CEILING MOUNTED DEVICES INSTALLED IN ACOUSTICAL TILE CEILING AREAS SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE WITH RODS OF SUFFICIENT SIZE TO PREVENT VERTICAL MOVEMENT OF THE OUTLET BOX. BRIDGES ALONE ARE NOT ADEQUATE UNLESS SPECIFICALLY APPROVED. CEILING MOUNTED EXIT LIGHT FIXTURES SHALL BE INSTALLED LEVEL. DO NOT SUPPORT DEVICES FROM ACOUSTICAL CEILING TILE.

28. EXCAVATION AND TRENCHING REQUIRED FOR THE INSTALLATION OF ELECTRICAL POWER AND TELECOMMUNICATIONS RACEWAYS SHALL BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF DIVISION 26 OF THE PROJECT SPECIFICATIONS.

29. PRIOR TO TRENCHING IN ANY AREA, THE CONTRACTOR SHALL CONTACT ELECTRICAL, COMMUNICATIONS/DATA/FIBER, CABLE TELEVISION, GAS AND WATER UTILITY PROVIDERS AND HAVE ALL UTILITIES IN THE AREA IDENTIFIED. DAMAGE TO ANY UNDERGROUND UTILITIES OR STRUCTURES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE PROJECT.

30. ALL UNDERGROUND RACEWAYS SHALL BE IDENTIFIED BY UNDERGROUND LINE MARKING TAPE LOCATED DIRECTLY ABOVE THE RACEWAY AT 6 TO 8 INCHES BELOW FINISHED GRADE. SEE SPECIFICATIONS SECTION 260553.

31. FINAL TYPED PANELBOARD DIRECTORIES INSTALLED IN THE PANELBOARD DOOR POCKET SHALL INCLUDE FINAL ACTUAL ROOM NAMES AND NUMBERS IN ADDITION TO THE GENERAL DESCRIPTION SHOWN ON THE PANEL SCHEDULES ON THE DRAWINGS.

32. CONDUCTOR SIZING IS BASED ON 75 DEGREE C. COPPER NEC RATINGS, UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL VERIFY, PRIOR TO INSTALLATION OF CONDUCTORS OR CONDUIT FEEDING ANY EQUIPMENT, THE ELECTRICAL EQUIPMENT IS RATED FOR USE WITH 75 DEGREE C. WIRING. IF ANY EQUIPMENT IS RATED FOR USE WITH LESS THAN 75 DEGREE C. CONDUCTORS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY FOR EVALUATION/CORRECTION.

33. DO NOT PULL CONDUCTORS UNTIL THE CONDUIT SYSTEM IS COMPLETE IN EVERY DETAIL. IN THE CASE OF CONCEALED WORK, "COMPLETE" MEANS UNTIL ALL ROUGH PLASTERING OR MASONRY HAS BEEN COMPLETED.

34. WHERE SIZE IS NOT SHOWN ON THE DRAWINGS, BRANCH CIRCUITS SHALL CONSIST OF #12 OR #10 AWG MINIMUM PHASE, NEUTRAL AND EQUIPMENT GROUND CONDUCTORS IN 1/2" MINIMUM RACEWAY. REFER TO THE "MINIMUM CONDUCTORS SIZE CHART" ON THE DRAWINGS AND INCREASE CONDUCTORS SIZES AS REQUIRED TO MAINTAIN A MAXIMUM OF 3% VOLTAGE DROP.

35. COMMON NEUTRAL BRANCH CIRCUITS ARE NOT PERMITTED. PROVIDE SEPARATE, INDIVIDUAL NEUTRAL CONDUCTORS FOR ALL RECEPTACLE AND LIGHTING BRANCH CIRCUITS.

36. KEEP CONDUCTOR SPLICES TO A MINIMUM. INSTALL SPLICES AND TAPES THAT POSSESS EQUIVALENT OR BETTER MECHANICAL STRENGTH AND INSULATION RATINGS THAN CONDUCTORS BEING SPLICED. USE SPLICE AND TAP CONNECTORS COMPATIBLE WITH CONDUCTOR MATERIAL. INSTALL CONDUCTORS AT EACH OUTLET WITH AT LEAST 6 INCHES OF SLACK. CONNECT OUTLETS AND COMPONENTS TO WIRING AND TO GROUND AS INDICATED AND INSTRUCTED BY THE MANUFACTURER.

37. DO NOT SPLICE BRANCH CIRCUIT HOMERUNS WITHOUT THE PERMISSION OF THE ARCHITECT/ENGINEER. HOMERUNS SHALL BE CONTINUOUS FROM THE LAST OUTLET BOX TO THE SERVING PANELBOARD.
38. DO NOT COMBINE BRANCH CIRCUIT HOMERUNS UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS.

39. DO NOT CHANGE CIRCUITING SHOWN WITHOUT PERMISSION OF THE ARCHITECT/ENGINEER.

40. TROUGH TAPS SHALL BE AT SWITCH/CIRCUIT BREAKER AMPACITY, UNLESS NOTED OTHERWISE.

41. INSTALL WIRING DEVICES AT HEIGHTS AS SHOWN ON THE DRAWINGS. ALSO COORDINATE MOUNTING HEIGHTS WITH THE ARCHITECTURAL DRAWINGS AND CASEWORK DETAILS. IF CONFLICTING, ARCHITECTURAL DRAWINGS AND DETAILS SHALL GOVERN.

42. PROVIDE GROUND FAULT CIRCUIT-INTERRUPTER (GFCI) PROTECTION FOR PERSONNEL IN ACCORDANCE WITH THE NEC INCLUDING ALL ELECTRIC WATER COOLERS, EXTERIOR RECEPTACLES AND RECEPTACLES IN AREAS SUBJECT TO POSSIBLE WET CONDITIONS. ALL RECEPTACLES INSTALLED WITHIN 6 FEET OF A SINK SHALL BE GFI PROTECTED. ALL RECEPTACLES IN NON-RESIDENTIAL KITCHENS SHALL BE GFI PROTECTED.

43. GFCI RECEPTACLES SHALL BE READILY ACCESSIBLE AFTER INSTALLATION. IF CONDITIONS OF THE INSTALLATION TO NOT ALLOW FOR READY ACCESS, PROVIDE A STANDARD RECEPTACLE AND PROVIDE A GFCI CIRCUIT BREAKER TO FEED THE CIRCUIT. IN LIEU OF GFCI CIRCUIT BREAKERS, BLANK FACE GFCI DEVICES ARE ACCEPTABLE IF INSTALLED IN AN ACCESSIBLE LOCATION.

44. IN AREAS IN WHICH DUAL LEVEL SWITCHING IS INDICATED (TYPICALLY BY 2 OR MORE ADJACENT, GANGED SWITCHES), PROVIDE THE APPROPRIATE NUMBER OF CONDUCTORS TO FACILITATE THIS FUNCTION (AS TYPICALLY SHOWN).

45. CONNECT BATTERY PACK TYPE EMERGENCY AND EXIT LIGHTING FIXTURES AND EMERGENCY BATTERY (BODINE TYPE) DRIVERS TO THE UNSWITCHED LIGHTING CIRCUIT SERVING THE SPACE LIGHTED BY THE EMERGENCY AND EXIT FIXTURES. THESE CONNECTIONS ARE INTENTIONALLY NOT SHOWN TO MAINTAIN DRAWING CLARITY.

46. COORDINATE LIGHTING FIXTURE LOCATIONS WITH THE ARCHITECTURAL REFLECTED CEILING PLAN. IF CONFLICTS ARE NOTED, REQUEST CLARIFICATION FROM THE ARCHITECT/ENGINEER BEFORE PROCEEDING.

47. ADJACENT SWITCHES SHALL BE GANGED.

48. ADJACENT RECEPTACLES AND DATA/TELEPHONE OUTLETS SHALL BE INSTALLED 6 INCHES CENTER TO CENTER AND SHALL BE AT THE SAME ELEVATION.

49. SEPARATE NEUTRALS ARE REQUIRED FOR ALL LINE VOLTAGE DIMMED LIGHTING CIRCUITS.

50. WHERE THE DRAWINGS INDICATE A LIGHTING FIXTURE IS TO BE PROVIDED WITH SPECIAL FEATURES/SWITCHING (DIMMING, EMERGENCY BATTERY, MULTI-LEVEL, ETC), THE CONTRACTOR SHALL PROVIDE THESE FIXTURES WITH THE APPROPRIATE OPTIONS TO ACCOMMODATE THE SPECIAL FEATURES. THE CONTRACTOR SHALL PROVIDE THE FIXTURES AS INDICATED IN THE LIGHTING FIXTURE SCHEDULE WITH MODIFICATIONS AS REQUIRED BY DRAWING NOTES.

51. COORDINATE LOCATIONS OF PLUMBING, MECHANICAL, DATA, TELEPHONE, NURSE CALL, PAGING, ACCESS CONTROL, AUDIO/VISUAL EQUIPMENT, ETC. AND OF OWNER-PROVIDED EQUIPMENT WITH THE RESPECTIVE CONTRACTORS AND VENDORS AND THE OWNER BEFORE ROUGH-IN. ADJUST LIGHTING FIXTURES, RECEPTACLES AND ELECTRICAL EQUIPMENT TO ACCOMMODATE THIS EQUIPMENT. ADVISE THE ARCHITECT/ENGINEER OF CONFLICTS BEFORE ROUGH-IN. SEE SPECIFICATIONS SECTION 16049 FOR ADDITIONAL DETAIL INVOLVING WORK WITH OTHER TRADES.

52. LIGHTING FIXTURES ARE, IN SOME INSTANCES, SHOWN TO BE INSTALLED ON THE BOTTOM OF THE EXPOSED STRUCTURE. THE CONTRACTOR SHALL NOT INSTALL FIXTURES ABOVE DUCTWORK WHICH BLOCKS LIGHTING FROM REACHING THE FLOOR. FIELD ADJUST FIXTURE LOCATIONS TO AVOID DUCTWORK AND OTHER EQUIPMENT WHICH INTERFERES WITH INTENDED LIGHTING OF THE SPACE. INSTALL FIXTURES ON WALLS IN SPACES WHERE FIXTURE OUTPUT WOULD OTHERWISE BE BLOCKED. COORDINATE RELOCATIONS WITH THE ARCHITECT/ENGINEER.

53. THE LOCATIONS OF ELECTRICAL EQUIPMENT SERVING MECHANICAL, PLUMBING, FOOD SERVICE EQUIPMENT, ETC. MAY NOT BE SHOWN PRECISELY ON THE ELECTRICAL DRAWINGS DUE TO THE VARIABILITY OF SPACE AND EQUIPMENT ROOM ARRANGEMENTS AND THE EQUIPMENT PROVIDED. LOCATIONS OF ELECTRICAL EQUIPMENT, PANELBOARDS, WIRING TROUGHS, LOCAL DISCONNECTING MEANS, ETC. SHALL BE COORDINATED WITH THE RESPECTIVE CONTRACTORS PRIOR TO ROUGH-IN. LOCATE AND/OR ADJUST EQUIPMENT LOCATIONS SHOWN IN CONSULTATION WITH OTHER TRADES TO MAINTAIN VISABILITY OF THE EQUIPMENT FROM DISCONNECTING MEANS AND PROVIDE ACCESS AND WORKING SPACE IN COMPLIANCE WITH CODES.

54. BEFORE COMMENCING WORK OR ORDERING MATERIALS, THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES AND VERIFY THE NAMEPLATE RATINGS OF ALL EQUIPMENT (MOTORS, HEATERS, COMPRESSORS, ETC.) AND ADJUST THE RATINGS OF THE ELECTRICAL EQUIPMENT (SWITCHES, FUSES, CIRCUIT BREAKERS, CONDUCTORS, RACEWAYS, ETC.) AS APPROPRIATE TO SERVE THIS EQUIPMENT.

55. ENERGIZE EQUIPMENT ONLY AFTER OBTAINING PERMISSION FROM THE ENTITY PROVIDING THE EQUIPMENT.

56. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL EQUIPMENT TERMINATIONS, PLUGS AND CORDSETS WITH VENDOR EQUIPMENT AND VERIFY ALL DEVICE LOCATIONS FOR SPECIALITY EQUIPMENT WITH CASEWORK PRIOR TO ROUGH-IN.

57. THE ARRANGEMENT OF ELECTRICAL DISTRIBUTION EQUIPMENT IN ELECTRICAL AND MECHANICAL EQUIPMENT ROOMS IS BASED ON PUBLISHED EQUIPMENT SIZES AND SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE. DEVIATIONS FROM CONFIGURATIONS SHOWN IS THE RESPONSIBILITY OF THE CONTRACTOR. PROVIDE NATIONAL ELECTRIC CODE REQUIRED CLEARANCES FOR ALL ELECTRICAL EQUIPMENT, SWITCHBOARDS, PANELBOARDS, TRANSFER SWITCHES, SAFETY SWITCHES, ETC. COORDINATE RESOLUTION OF CONFLICTS WITH OTHER TRADES. ADVISE THE ARCHITECT/ENGINEER OF CONFLICTS BEFORE ROUGH-IN.

58. COORDINATION WITH THE ELECTRICAL UTILITY COMPANY IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. COORDINATE WITH THE UTILITY COMPANY FOR PLACEMENT OF THE UTILITY'S FACILITIES AND THE CONTRACTOR'S SERVICE ENTRANCE RACEWAYS AND FOR CONNECTIONS TO THE CONTRACTOR'S SERVICE ENTRANCE CONDUCTORS.

59. TELECOMMUNICATIONS AND DATA CABLES WILL BE PROVIDED AND INSTALLED BY THE OWNER. LEAVE PULL WIRES OR ROPES OF ADEQUATE TENSILE STRENGTH IN ALL EMPTY CONDUITS.

60. PROVIDE TELEPHONE, CABLE TELEVISION, FIBER AND DATA SERVICE ENTRANCE CONDUIT IN SIZES AND LOCATIONS AS SHOWN ON THE DRAWINGS AND AS REQUIRED BY THE OWNER AND THE SERVICE UTILITIES. UTILITY SERVICE ENTRANCE CABLES WILL BE PROVIDED AND INSTALLED BY THE OWNER'S SERVICE UTILITIES. LEAVE PULL WIRES OR ROPES OF ADEQUATE TENSILE STRENGTH IN ALL EMPTY CONDUITS.

61. EXACT SPACING OF SMOKE AND HEAT DETECTORS AND A/V DEVICES SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE WITH POSITIONS SHOWN ON THE DRAWINGS. DETECTOR SPACING IS BASED UPON NFPA 72 INCLUDING APPENDIX A. SLIGHT ADJUSTMENTS MAY BE MADE IN SPACING IF REQUIRED BY FIELD CONDITIONS, BUT SPACING SHALL NOT EXCEED ADA, NFPA AND EQUIPMENT MANUFACTURERS SPACING CRITERIA. DO NOT INSTALL SMOKE DETECTORS WITHIN 3 FEET OF SUPPLY AIR DIFFUSERS OR RETURN GRILLES. PROVIDE FLEX CONDUIT CONNECTION TO SMOKE AND HEAT DETECTORS OF ADEQUATE LENGTH TO ALLOW HORIZONTAL ADJUSTMENT OF FOUR FEET FROM POSITION INDICATED ON DRAWINGS.

62. SAFETY: COMPLY WITH OSHA AND NEC ARC FLASH PROTECTION REQUIREMENTS.

63. FOOD SERVICE EQUIPMENT ELECTRICAL NOTES

   A. SEE SPECIFICATIONS SECTION 16037 FOR ADDITIONAL REQUIREMENTS.

   B. THE ELECTRICAL CONTRACTOR SHALL MAKE FINAL ELECTRICAL CONNECTIONS TO ALL FOOD SERVICE AND RELATED KITCHEN EQUIPMENT.

   C. THE CIRCLE OR ELONGATED BUBBLE SYMBOL WITH NUMBER IDENTIFIES FOOD SERVICE EQUIPMENT AS IT IS SHOWN ON THE FOOD SERVICE EQUIPMENT DRAWINGS. SEE FOOD SERVICE EQUIPMENT DRAWINGS FOR ADDITIONAL INFORMATION.

   D. SEE FOOD SERVICE EQUIPMENT DRAWINGS FOR EXACT EQUIPMENT LOCATIONS, DIMENSIONS, CONNECTION TYPE, POWER AND CIRCUIT REQUIREMENTS, CIRCUIT BREAKER SIZE, WIRING DEVICE TYPE, RATING AND CONFIGURATION AND ROUGH-IN LOCATIONS AND PROVIDE SUITABLE ELECTRICAL EQUIPMENT, DEVICES, CONNECTIONS, CIRCUITS AS REQUIRED BY THE FOOD SERVICE EQUIPMENT DRAWINGS.

   E. THE ELECTRICAL CONTRACTOR SHALL VERIFY ROUGH-IN REQUIREMENTS, LOCATIONS, MOUNTING HEIGHTS, ORIENTATION, VOLTAGE, PHASE, AMPS, HP, KW, ETC. FOR ALL FOOD SERVICE EQUIPMENT PRIOR TO ROUGH-IN.

   F. PROVIDE LOCAL DISCONNECTING MEANS FOR EQUIPMENT AS REQUIRED BY CODES AND THE AHJ.

   G. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL DISCONNECT SWITCHES, INTERLOCKS, CONDUIT, WIRING AND INSTALLATION AS SPECIFICALLY OUTLINED ON THE FOOD SERVICE EQUIPMENT DRAWINGS.

   H. FINAL CONNECTION TO HARD WIRED FOOD SERVICE EQUIPMENT SHALL BE MADE WITH LIQUIDTIGHT FLEXIBLE CONDUIT.

   I. COORDINATE ALL CONNECTIONS TO EQUIPMENT WITH THE FOOD SERVICE EQUIPMENT CONTRACTOR.

   J. ENERGIZE EQUIPMENT ONLY AFTER OBTAINING PERMISSION FROM THE CONTRACTOR PROVIDING THE EQUIPMENT.

   K. ALL CONVENIENCE OUTLETS IN THE KITCHEN SHALL BE INSTALLED HORIZONTALLY AND RATED 20 AMPS UNLESS NOTED OTHERWISE OR REQUIRED BY EQUIPMENT. ALL 125 VOLT RECEPTACLES MOUNTED IN THE KITCHEN SHALL BE GFCI TYPE. RECEPTACLES SHALL BE OF STANDARD NEMA CONFIGURATIONS.

   L. ALL RACEWAYS SHALL BE CONCEALED IN WALLS WHERE POSSIBLE, OTHERWISE, STUB UP THROUGH FLOOR AT EQUIPMENT APPROX. 6" ABOVE FLOOR TO CLEAR EQUIPMENT BASES.

   M. HOODS WILL BE FURNISHED PREWIRED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR WITH LIGHT FIXTURES AND SWITCHES/CONTROLS FOR LIGHTS AND FANS. THE ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO THE ELECTRICAL TERMINAL BOX PROVIDED WITH THE HOOD AND MAKE CONNECTIONS FROM THE TERMINAL BOX TO THE EXHAUST AND MAKE UP AIR FANS AS SHOWN.

   N. FURNISH SHUNT TRIP CIRCUIT BREAKERS FOR ELECTRICAL FOOD SERVICE EQUIPMENT INSTALLED UNDER HOODS. CONNECT TO DE-ENERGIZE THESE UNITS UPON ACTIVATION OF THE EXHAUST HOOD FIRE SUPPRESSION SYSTEM. COORDINATE CONNECTIONS WITH THE FOOD SERVICE EQUIPMENT CONTRACTOR.

   O. THE DISH MACHINE WILL BE FURNISHED BY THE FOOD SERVICE EQUIPMENT CONTRACTOR PREWIRED TO AN INTEGRAL CONTROL PANEL READY FOR FINAL CONNECTION BY THE ELECTRICAL CONTRACTOR.

   P. PROVIDE SEAL-OFF FITTINGS FOR ALL CONDUITS ENTERING OR LEAVING REFRIGERATED WALK-IN BOXES.

64. LOW VOLTAGE SYSTEMS ELECTRICAL COORDINATION NOTES

   A. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ELECTRICAL WORK REQUIRED BY THE OWNER'S LOW VOLTAGE SYSTEMS VENDOR'S DRAWINGS, THE OWNER AND THE GENERAL CONTRACTOR.

   B. THE LOW VOLTAGE SYSTEMS DRAWINGS, EITHER OBTAINED BY THE CONTRACTOR FROM THE OWNER AND/OR THE OWNER'S LOW VOLTAGE SYSTEMS VENDORS OR AS PROVIDED HEREIN AS REFERENCE DRAWINGS, SHALL BE CONSIDERED AN ESSENTIAL COMPONENT OF THE CONTRACT DOCUMENTS. SOME ELECTRICAL WORK SHOWN ON THESE DRAWINGS IS INTENTIONALLY NOT DUPLICATED ON THE ELECTRICAL DRAWINGS. THE CONTRACTOR SHALL PROVIDE, AS PART OF THIS CONTRACT, SOURCES OF POWER; POWER, RECEPTACLES, CONTROL AND COMMUNICATIONS CONDUCTORS, CABLES AND RACEWAYS; EMPTY RACEWAYS; JUNCTION, OUTLET AND PULL BOXES; MOUNTING HARDWARE; FINAL CONNECTIONS; GROUNDING; CONNECTION HARDWARE; TESTING AND TESTING SUPPORT; ETC., FOR THE LOW VOLTAGE SYSTEMS AS SHOWN ON THE CONTRACT DRAWINGS AND THE LOW VOLTAGE SYSTEMS DRAWINGS. IF NOT SHOWN ON THE ELECTRICAL DRAWINGS, USE SPARE CIRCUIT BREAKERS IN ELECTRICAL PANELBOARDS FOR ADDITIONAL CIRCUITS SHOWN ON THE REFERENCE DRAWINGS AND MARK AS-BUILT DRAWINGS ACCORDINGLY.

   C. ALL LOW VOLTAGE SYSTEM REQUIREMENTS MAY NOT BE FULLY INDICATED ON THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND THE OWNER'S LOW VOLTAGE SYSTEMS CONTRACTORS TO VERIFY THE MOST CURRENT SYSTEM REQUIREMENTS PRIOR TO ROUGH-IN.

   D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING FINAL EQUIPMENT LOCATIONS, MOUNTING HEIGHTS, AND CONNECTION REQUIREMENTS FROM THE OWNER AND LOW VOLTAGE SYSTEMS CONTRACTORS AND SHALL ADJUST ROUGH-IN ACCORDINGLY. ANY REWORK REQUIRED DUE TO FAILURE TO PROPERLY COORDINATE PRIOR TO ROUGH-IN SHALL BE AT NO ADDITIONAL COST TO THE OWNER.

   E. VERIFY ALL PATHWAYS, BACKBOX SIZES, AND RACEWAY ROUTING WITH ARCHITECTURAL, STRUCTURAL, AND OTHER TRADES TO AVOID CONFLICTS AND TO ENSURE A COMPLETE CODE COMPLIANT AND FUNCTIONAL INSTALLATION.

   F. SEE SPECIFICATIONS SECTIONS 16041 - PAGING SYSTEM, 16042 - NURSE CALL SYSTEM, 16043 - TELEPHONE AND DATA RACEWAY SYSTEM, 16044 - ACCESS CONTROL/SPECIAL LOCKING (MAG LOCK) RACEWAY SYSTEM, 16045 - CABLE TELEVISION RACEWAY SYSTEM, 16046 - SECURITY CAMERA RACEWAY SYSTEM, 16047 - AIPHONE SYSTEM RACEWAY SYSTEM AND 16049 - ELECTRICAL WORK IN CONNECTION WITH OTHER CONTRACTS FOR ADDITIONAL REQUIREMENTS AND CONTRACTOR RESPONSIBILITIES WITH REGARD TO THESE SYSTEMS.

   E. THE ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATIONS OF ELECTRICAL EQUIPMENT INCLUDING RECEPTACLES, LIGHTING FIXTURES, ETC. WITH THE LOW VOLTAGE DEVICES AND EQUIPMENT SHOWN ON THE LOW VOLTAGE SYSTEMS VENDOR'S DRAWINGS.

   G. THE CONTRACTOR IS CAUTIONED TO THOROUGHLY REVIEW BOTH THE CONTRACT DRAWINGS AND THE LOW VOLTAGE SYSTEMS DRAWINGS PRIOR TO SUBMITTING A BID. ELECTRICAL ITEMS SHOWN AND/OR NOTED ON THESE DRAWINGS TO BE PROVIDED BY THE "ELECTRICIAN" OR SIMILAR TERM SHALL BE PROVIDED BY THE CONTRACTOR AND SHALL BE CONSIDERED AS BINDING AS MATERIAL, EQUIPMENT AND LABOR SHOWN ON THE CONTRACT DRAWINGS. NO EXTRAS WILL BE CONSIDERED OR APPROVED FOR ITEMS SHOWN ON EITHER DRAWINGS TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR.

65. ATTIC LOW VOLTAGE SYSTEMS CABLE INSTALLATION NOTES

   A. ALL LOW VOLTAGE SYSTEM CABLE INSTALLED FREE RUN IN THE ATTIC SHALL BE INSTALLED ON J HOOKS. CABLES SHALL BE INSTALLED IN A MANNER TO PROTECT THE CABLES FROM DAMAGE DURING INSTALLATION, FACILITATE CABLE MANAGEMENT AND IDENTIFICATION, AND PROVIDE A NEAT GROOMED APPEARANCE.

   B. EACH CABLE SYSTEM SHALL BE INSTALLED AND SUPPORTED INDEPENDENTLY.

   C. CABLING SHALL BE INSTALLED IN STRAIGHT PATHS IN A NEAT AND ORDERLY FASHION FOLLOWING MAINTENANCE WALKWAYS AND AT NINETY-DEGREE ANGLES. DIAGONAL, BEELINE AND OR NON-SUPPORTED CABLING ARE UNACCEPTABLE. CABLING SHALL BE ROUTED AS HIGH AS POSSIBLE AND ABOVE OTHER BUILDING FACILITIES IN THE PATH WITH THE LEAST OBSTRUCTIONS IN THE SPACE. PATHWAYS SHALL BE AT LEAST 2 FEET AWAY FROM ALL LIGHTING FIXTURES AND OTHER POTENTIAL EMF SOURCES. CABLES SHALL NOT BE STRAPPED TO ELECTRICAL POWER CONDUITS, PIPING OR OTHER SYSTEMS. HORIZONTAL CABLES SHALL BE BUNDLED USING HOOK AND LOOP STRAPS. PLASTIC CABLE TIES ARE NOT PERMITTED.

   D. THE CABLE SUPPORT STRUCTURE SHALL UTILIZE APPROVED J HOOK CABLE SUPPORTS AND BE SIZED TO ACCOMMODATE CHANGE. J HOOK TYPE CABLE SUPPORTS SHALL BE SECURELY FASTENED TO THE BUILDING STRUCTURE AND BE SPACED AT A MAXIMUM DISTANCE OF FOUR (4) FEET SO HAT SAG BETWEEN SUPPORTS DOES NOT EXCEED 12 INCHES. ALL J HOOKS SHALL BE SIZED WITH 20% SPARE CAPACITY. ALL ATTACHMENT HARDWARE SHALL BE APPROVED FOR THE TYPE OF INSTALLATION AND MAXIMUM LOAD RATING OF THE PRODUCTS INSTALLED.

   E. ALL PENETRATIONS THROUGH WALLS AND CEILINGS SHALL BE SLEEVED. ALL SLEEVES SHALL HAVE PERMANENTLY ATTACH

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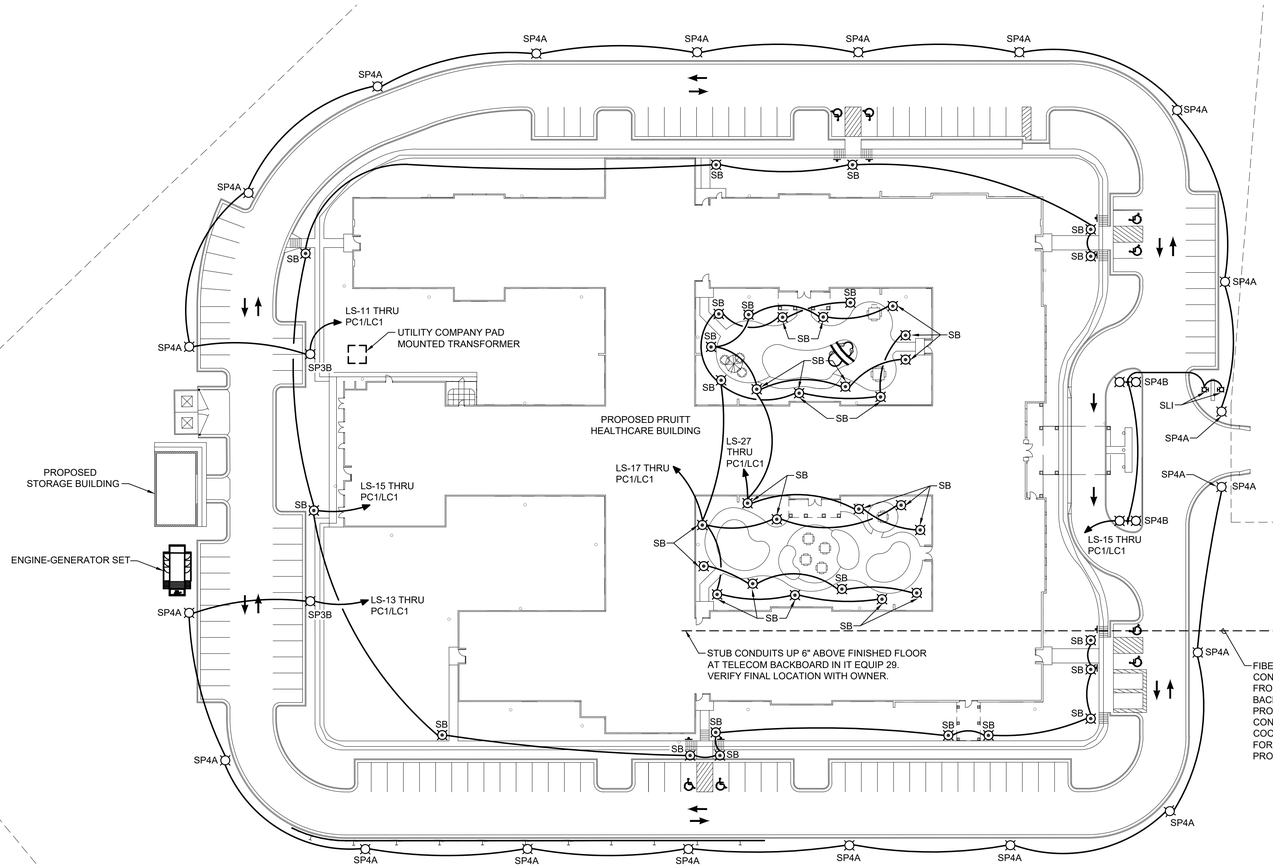
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433 RYAN M. HOLDEN
9/25/2026

09-29-2026 BID

SITE LIGHTING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	LIGHT ENGINE						MFG.	MODEL	MOUNTING	REMARKS
		WATTS	TYPE	COLOR TEMP	LUMENS	VOLTS	LLF				
SP3B	SINGLE LANTERN POLE LIGHT, TYPE 3 DISTRIBUTION & SIDE SHIELDS	130	LED	4000K	-	120	0.95	SUN VALLEY LIGHTING	COL21-VLED-III-120LED-350MA-NW 120-1-PT-RAL9005-T-HS-PC120	POST TOP	FULL CUT-OFF OPTICS. SEE NOTE I.
SP4A	SINGLE LANTERN POLE LIGHT, TYPE 4 DISTRIBUTION	130	LED	4000K	-	120	0.95	SUN VALLEY LIGHTING	COL21-VLED-IV-120LED-350MA-NW-PT-RAL9005-T-PC120	POST TOP	FULL CUT-OFF OPTICS. SEE NOTE1.
SP4B	DOUBLE LANTERN POLE LIGHT, TYPE 4 DISTRIBUTION	260	LED	4000K	-	120	0.95	SUN VALLEY LIGHTING	COL21-VLED-IV-120LED-350MA-NW -2-180-RAL9005-T-PC120	POST TOP W/ DBL. ARM	FULL CUT-OFF OPTICS. SEE NOTE 1.
SB	8" SITE BOLLARD W/ CAST LOUVERS	42	LED	4000K	1400	120	0. 95	SUN VALLEY LIGHTING	BRA8-LED/CL/36LED NW/RAL9005-T	CONC. BASE, SEE C/E2	PROVIDE CAST LOUVERS.
SLI	MONUMENT SIGN ACCENT LIGHT	5.5	MR-16 LED	4000K	500	120	0.95	VISTA PRO	GR-5006-B-5.5-W-60	GROUND STAKE	HOOD/SHIELD REQUIRED.

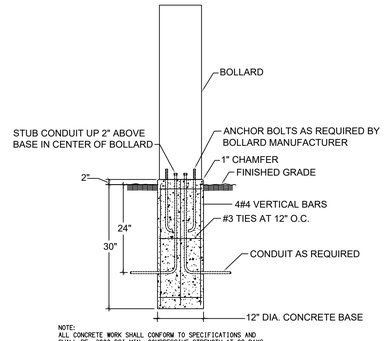
NOTES:
1. HEIGHT OF OPTICS TO BE +18'- 0" ABOVE SURROUNDING GRADE. PROVIDE 'SUN VALLEY LIGHTING' 4200SB SPLITBASE, ROUND POLE WITH BASE PLATE AND XBW-2-180 ARM MOUNT (DOUBLE LANTERN ONLY). COORDINATE FINAL SELECTION OF SPLIT BASE, POLE AND ARM WITH OWNER AND 'SUN VALLEY LIGHTING' REPRESENTATIVE. SELECTION OF POLE GAUGE AND DIAMETER WILL BE SUBJECT TO WIND LOAD RATING OF SITE LOCATION.
2. TOP OF AREA POST TOP LIGHT SHALL BE +10'-0" ABOVE SURROUNDING GRADE (POLE HEIGHTS EXCEEDING 10' WILL BE REJECTED). PROVIDE 'SUN VALLEY LIGHTING' 4200SB SPLIT BASE AND ROUND POLE WITH BASE PLATE. COORDINATE FINAL SELECTION OF SPLIT BASE AND POLE WITH OWNER AND 'SUN VALLEY LIGHTING' REPRESENTATIVE. SELECTION OF POLE GAUGE AND DIAMETER WILL BE SUBJECT TO WIND LOAD RATING OF SITE LOCATION.
3. FIELD SET THE LIGHT DISTRIBUTION OF PARKING AREA LIGHT FIXTURES. ARROWS ON FIXTURE SYMBOLS REPRESENT THE DIRECTION OF OPTIC THROW.
4. PROVIDE BUSSMAN HEB FUSEHOLDER IN EACH PHASE CONDUCTOR AT EACH POLE BASE AND BOLLARD. FUSE WITH KTK FUSES AS RECOMMENDED BY THE FIXTURE MANUFACTURER OR 150% OF FIXTURE FULL LOAD CURRENT, WHICHEVER IS LESS.



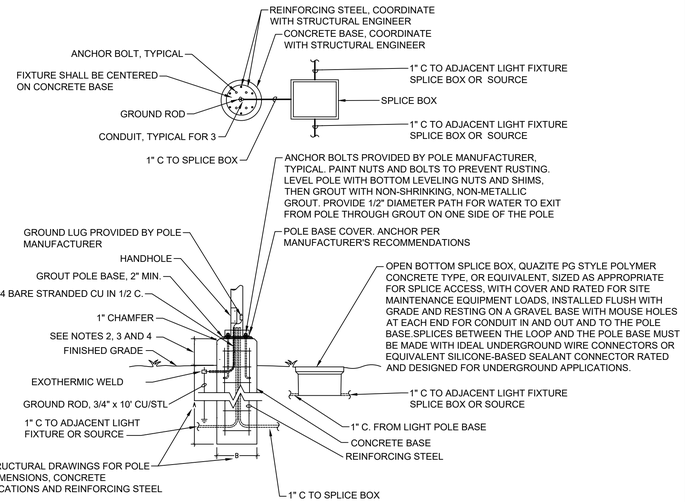
SEE MINIMUM CONDUCTOR SIZE CHART SHEET E0.5 FOR SITE LIGHTING CONDUCTOR SIZING

NORTH

1 ELECTRICAL SITE PLAN
1" = 40'-0"
0 40' 80'



3 BOLLARD BASE DETAIL
NOT TO SCALE



NOTES:
1. THE POLE BASE DIMENSIONS INDICATED ON THE STRUCTURAL DRAWINGS SHALL BE THE MINIMUM DIMENSIONS. THE POLE BASE SHALL ACCOMMODATE THE SPECIFIED BOLT CIRCLE PATTERN AND SPLIT POLE BASE. ANY CONFLICTS IN THE DIMENSIONS INDICATED ON THE STRUCTURE DRAWINGS SHALL BE COORDINATED WITH THE STRUCTURAL ENGINEER.
2. WHEN POLE BASE IS LOCATED IN FINISHED SIDEWALK OR SIMILAR FINISHED AREA, THE TOP OF THE POLE BASE SHALL BE FLUSH WITH THE ADJACENT AREA SO THAT THE POLE BASE COVE SITS DIRECTLY ON THE SIDEWALK OR SIMILAR FINISHED AREA.
3. WHEN POLE BASE IN LOCATED IN PARKING LOT OR AREAS IMMEDIATELY ADJACENT TO PARKING LOT , THE TOP OF THE POLE BASE SHALL BE 24" ABOVE GRADE.
4. WHEN POLE BASE IN LOCATED IN LANDSCAPED AREAS, THE POLE BASE SHALL BE 4" ABOVE FINISHED GRADE.
5. CONTRACTOR SHALL CONFIRM ALL POLE BASE HEIGHTS WITH ARCHITECT PRIOR TO INSTALLATION.

2 LIGHT POLE BASE DETAIL
NOT TO SCALE

PRUITTHEALTH
FORSYTH COUNTY, L.L.C.
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Architecture Planning Design

100 BED FACILITY
ELECTRICAL SITE PLAN AND DETAILS

E0.3

ENGINE-GENERATOR FUEL CONSUMPTON AND STORAGE CALCULATION

BASIS OF DESIGN ENGINE-GENERATOR SET: CATERPILLAR C18

RATING: 750 KW / 937.5 KVA, STANDBY

FUEL: FUEL OIL, 35° API (60°F) GRAVITY, LHV 42,780 KJ/KG, AT 85°F, 7.001 LBS/GAL

FUEL CONSUMPTION	FULL LOAD	54.2	GALS/HR
	75% LOAD	43.4	GALS/HR
	94.6% LOAD	52.1	GALS/HR INTERPOLATED FROM CAT LITERATURE

FUEL STORAGE CAPACITY REQ'D. FOR 96 HOURS RUN TIME AT

	FULL LOAD	5203.2	GALS
	DEMAND LOAD	5001.4	GALS EST. DEMAND = 709.7 KW (94.6%)

FUEL STORAGE CAPACITY REQ'D. FOR 96 HOURS RUN TIME AT FULL LOAD = 5203.2 GALS.

NOTES:

1. SUB-BASE FUEL STORAGE TANK SPECIFIED FOR NO LESS THAN 133% OF THE FULL LOAD 96 HOUR RUN TIME FUEL CONSUMPTION (5203.2 GALS. X 133% = 6920.2 GALS). 7000 MINIMUM GALLONS SPECIFIED. SEE SPECS SECTION 16035.
2. SET LOW FUEL ALARM AT THE CODE REQUIRED SETPOINT.
3. DEMAND LOAD USED IN CALCULATION DOES NOT CONSIDER POWER FACTOR, WHICH IS LESS THAN UNITY.

AUTOMATIC TRANSFER SWITCH SCHEDULE

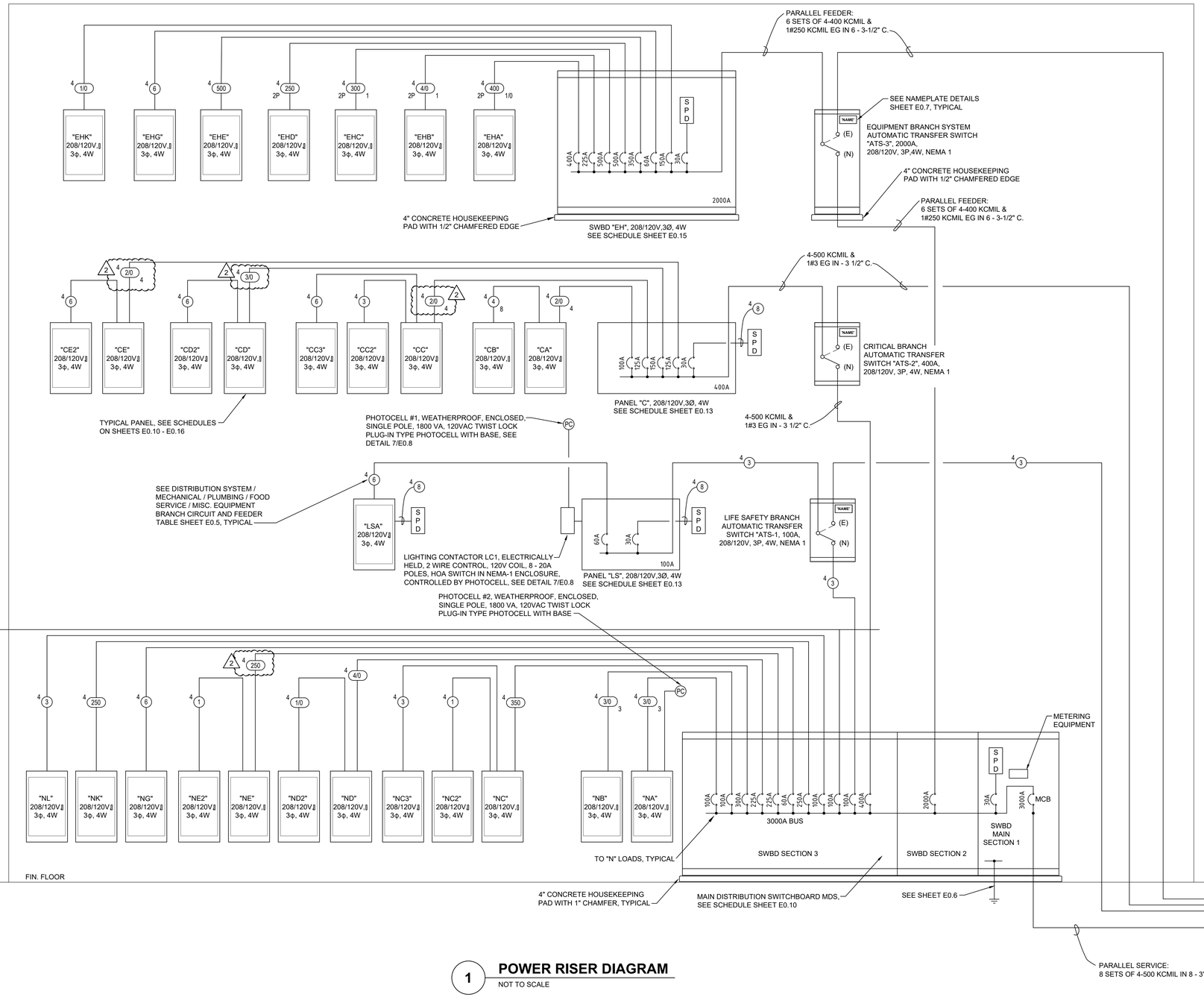
EQUIPMENT DESCRIPTION	TYPE	TRIP TYPE	RATING/ TRIP	V	PHASE	WIRES	IC RATING	ENCLOSURE
LIFE SAFETY BRANCH ATS-1	AUTOMATIC TRANSFER SWITCH	N/A	100A	208/120	3	4	65K	NEMA-1 SURFACE
CRITICAL BRANCH ATS-2	AUTOMATIC TRANSFER SWITCH	N/A	400A	208/120	3	4	65K	NEMA-1 SURFACE
EQUIPMENT SYSTEM ATS-3	AUTOMATIC TRANSFER SWITCH	N/A	2000A	208/120	3	4	65K	NEMA-1 PAD MOUNTED

NOTES:
1. AUTOMATIC TRANSFER SWITCHES ARE SOLID NEUTRAL, SEE SPECS SECTION 16036.
2. CONTRACTOR IS RESPONSIBLE FOR NEC ART. 110.26 WORKING SPACES FOR EQUIPMENT.

ESTIMATED ENGINE-GENERATOR SET LOAD SUMMARY

LOAD	LOAD DESCRIPTION	DEMAND LOAD PHASE A (VA)	PHASE B (VA)	PHASE C (VA)	TOTAL (VA)	EST. POWER FACTOR	EST. TOTAL KW
ATS-1	LIFE SAFETY LOADS	6,444	6,304	6,057	18,805	0.98	18
ATS-2	CRITICAL LOADS	31,215	32,696	36,192	100,103	0.98	98
ATS-3	DELAYED EQUIPMENT LOADS	217,554	204,845	202,018	624,417	0.95	593
	TOTAL ESSENTIAL LOADS				743,325		
	TOTAL ENGINE-GENERATOR SET LOAD (VA)	255,212	243,846	244,266			
	TOTAL ENGINE-GENERATOR SET LOAD (KW)						710
	TOTAL ENGINE-GENERATOR SET LOAD (KVA)				743		

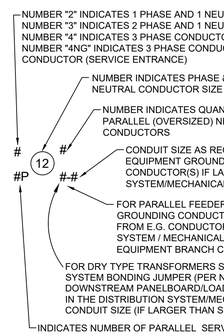
NOTES:
1. E-G SET RATING IS AT 80% PF.
2. SEE SPECIFICATIONS SECTION 16035, PARA. K. FOR SIZING REQUIREMENTS.
3. SEE MAIN DISTRIBUTION SWBD LOAD SUMMARY FOR UTILITY SERVICE ESTIMATED DEMAND LOADS.



1 POWER RISER DIAGRAM

NOT TO SCALE

NUMBER "2" INDICATES 1 PHASE AND 1 NEUTRAL (OR 2 PHASE) AND EG CONDUCTOR
NUMBER "3" INDICATES 2 PHASE AND 1 NEUTRAL (OR 3 PHASE) AND EG CONDUCTOR
NUMBER "4" INDICATES 3 PHASE CONDUCTORS, 1 NEUTRAL CONDUCTOR AND EG CONDUCTOR
NUMBER "4NG" INDICATES 3 PHASE CONDUCTORS AND 1 NEUTRAL CONDUCTOR. NO EG CONDUCTOR (SERVICE ENTRANCE)



2 CONDUCTORS IDENTIFICATION DETAIL

NOT TO SCALE

NOTES:

1. ELECTRICAL CLEARANCE NOTE: CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR FOR PANELBOARD CLEAR WORKING SPACE MARKED ON THE FLOOR STATING "ELECTRICAL-NOT FOR STORAGE".

2. SERIVCE AND FEEDER CONDUCTOR SIZE NOTE: POWER RISER DIAGRAM SERVICE AND FEEDER CONDUCTOR SIZES ARE BASED ON 75°C COPPER CONDUCTORS IN PVC RACEWAYS ROUTED IN/UNDER THE FLOOR SLAB DIRECTLY FROM SOURCE TO LOAD TO ACHIEVE NO MORE THAN TWO (2) PERCENT VOLTAGE DROP AT THE DEMAND LOAD SHOWN IN THE SWITCHBOARD AND PANELBOARD SCHEDULES. IF THE CONTRACTOR ELECTS TO INSTALL CIRCUITS IN A DIFFERENT MANNER, CALCULATE VOLTAGE DROP USING ACTUAL CONDUCTOR LENGTHS AND SUBMIT CALCULATIONS TO THE ARCHITECT/ENGINEER DOCUMENTING TWO (2) PERCENT OR LESS VOLTAGE DROP UNDER THE LOAD CONDITIONS INDICATED.

3. ALL ELECTRICAL EQUIPMENT INSTALLATIONS MUST COMPLY WITH REQUIRED CLEARANCE DETAILS 4 & 5 ON E0.8.

4. ALL WIRE SIZES SHOWN ARE COPPER.

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433 DONALD M. LOVEDAY
9/25/2026

09-29-2026 BID

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Winston–Salem, North Carolina

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3806 Park Ave. Suite 2–L, Wilmington, NC 28403
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REV	DESCR.	DATE
1	REVISIONS PER PLAN REVIEW	09.29.2026

100 BED FACILITY
ELECTRICAL POWER
RISER DIAGRAM

E0.4

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433 ROBERT CHRISTOPHER HOLDEN
9/25/2026

09-29-2026 BID

FOOD SERVICE EQUIPMENT ELECTRICAL CONNECTION SCHEDULE

ID	DESCRIPTION	VOLT	PHASE	BRANCH/FEEDER CIRCUIT CONDUCTORS (AWG)	CONNECTION	REMARKS
4	FLY FAN	120	1	2(12)	HARDWIRED THRU DOOR SWITCH	SWITCH PROVIDED WITH FAN
6	REACH-IN REFRIGERATOR	120	1	2(12)	CORD AND PLUG	NEMA-5-20R
8	MIXER	120	1	2(12)	CORD AND PLUG	NEMA-5-20R
10	SLICER	120	1	2(12)	CORD AND PLUG	NEMA-5-20R
11	FOOD PROCESSOR	120	1	2(12)	CORD AND PLUG	NEMA-5-20R
15	ICE MACHINE	208	1	2(12)	CORD AND PLUG	NEMA-5-20R
16	CONVECTION OVEN	120	1	2(12)	CORD AND PLUG	NEMA-5-20R
19	TWO COMPARTMENT STEAMER	120	1	2(12)	CORD AND PLUG	NEMA-5-20R
22	RANGE HOOD SYSTEM	208	3	3(8)	HARDWIRED	
23	FIRE SUPPRESSION	120	1	2(12)	HARDWIRED	
26	TILTING SKILLET	120	1	2(12)	CORD AND PLUG	NEMA-5-20R
28	RANGE HOOD SYSTEM	208	3	3(8)	HARDWIRED	
29	HOOD & FIRE SUPPRESSION	120	1	2(12)	CORD AND PLUG	NEMA-5-20R
33	REACH-IN REFRIGERATOR	120	1	2(12)	CORD AND PLUG	NEMA-5-20R
34	HOT FOOD TABLE	208	1	2(10)	CORD AND PLUG	NEMA-5-20R
37	COFFEEBREWER	208	1	2(10)	CORD AND PLUG	NEMA L6-30R
38	COFFEEGRINDER	208	1	2(10)	CORD AND PLUG	NEMA L6-30R
43	TEA BREWER	120	1	2(12)	CORD AND PLUG	NEMA-5-20R
46	FOOD TRANSPORT CART	120	1	2(12)	CORD AND PLUG	NEMA-5-20R
47	MOBILE HEATER CABINET	120	1	2(12)	CORD AND PLUG	NEMA-5-20R
49	C/F LTS	120	1	2(12)	CORD AND PLUG	NEMA-5-20R
50	COOLER BLOWING COIL	120	1	2(12)	CORD AND PLUG	NEMA-5-20R
51	COOLER CONDENSER	208	1		HARDWIRED	
52	WALK IN FREEZER	120	1	2(12)	HARDWIRED	
53	FREEZER BLOWING COIL	208	1	2(12)	HARDWIRED	
54	FREEZER CONDENSER	208	1		HARDWIRED	
59	DISPOSAL	208	3	3(12)	HARDWIRED	
60	DISHWASHER VENT FAN	120	1	2(12)	HARDWIRED	
61	DISHWASHER	208	3	3(3)	HARDWIRED	
63	BOOSTER HEATER	208	3	3(1/0)	HARDWIRED	

NOTES:
1. SEE DISTRIBUTION SYSTEM / MECHANICAL / PLUMBING / FOOD SERVICE / MISC. EQUIPMENT BRANCH CIRCUIT AND FEEDER TABLE FOR FULL CIRCUIT DESCRIPTION.
2. CONDUCTOR SIZES SHOWN ARE COPPER.
3. SEE PANELS NK AND EHK FOR CIRCUITS.
4. CORD SETS PROVIDED WITH EQUIPMENT. VERIFY WIRING DEVICE CONFIGURATION.
5. SEE FOOD SERVICE ELECTRICAL EQUIPMENT NOTES SHEET E0.2

MINIMUM CONDUCTORS SIZE CHART

PROVIDE THE FOLLOWING MINIMUM SIZES FOR BRANCH CIRCUIT CONDUCTORS:

SINGLE PHASE CIRCUITS

CONDUCTOR SIZE	BRANCH CIRCUIT BREAKER TRIP	CIRCUIT VOLTAGE MAXIMUM ALLOWABLE CIRCUIT LENGTH (FEET)			
(AWG)	(AMPERES)	120	208	240	277
#12	15	81	141	163	188
#10	15	135	234	270	312
#8	15	204	355	409	473
#12	20	61	106	122	141
#10	20	101	175	202	233
#8	20	153	266	307	354
#10	30	67	117	135	155
#8	30	102	177	204	236

THREE PHASE CIRCUITS

CONDUCTOR SIZE	BRANCH CIRCUIT BREAKER TRIP	CIRCUIT VOLTAGE MAXIMUM ALLOWABLE CIRCUIT LENGTH (FEET)			
(AWG)	(AMPERES)		208	240	480
#12	15		163	188	377
#10	15		270	312	624
#12	20		122	141	283
#10	20		202	234	468
#10	30		135	156	312
#8	30		205	236	473
#8	40		153	177	354
#6	40		239	276	553
#8	50		123	142	283
#6	50		191	221	442
#6	60		159	184	368
#4	60		245	283	567

NOTES:
1. CONDUCTOR LENGTHS ARE BASED ON SINGLE & THREE PHASE, 90% POWER FACTOR LOADS USING 75°C COPPER CONDUCTORS IN EMT RACEWAYS TO ACHIEVE NO MORE THAN 3 PERCENT VOLTAGE DROP.
2. CALCULATIONS ASSUME LOADS OF 80% OF CIRCUIT BREAKER TRIP (12A, 16A & 24A, 32A, 40A & 48A, RESPECTIVELY) ARE CONCENTRATED AT THE END OF THE CIRCUITS.
3. IF LOAD CHARACTERISTICS DIFFER FROM ABOVE, CALCULATE USING KNOWN CHARACTERISTICS AND SUBMIT CALCULATIONS TO THE ARCHITECT/ENGINEER DOCUMENTING 3% OR LESS VOLTAGE DROP UNDER THE ACTUAL LOAD CONDITIONS.
4. WHEN A DEDICATED SINGLE LOAD LESS THAN NOTED ABOVE IS KNOWN, THE CONTRACTOR MAY UTILIZE SMALLER CONDUCTORS UPON SUBMISSION OF VOLTAGE DROP CALCULATIONS DOCUMENTING 3% OR LESS VOLTAGE DROP. THE MINIMUM LOAD SHALL BE ASSUMED TO BE 60% OF THE CB TRIP RATING REGARDLESS OF ACTUAL DEDICATED LOAD.
5. USE THE LARGER OF THE CONDUCTORS INDICATED ON THE DRAWINGS OR THIS TABLE.

AVAILABLE FAULT CURRENT (CALCULATED)

EQUIPMENT ID	BUS kV	TOTAL FAULT CURRENT (SYM AMPS)	EQUIPMENT RATING (KAIC)
MAIN DIST. SWBD.	0.208	45879	65
PANEL NA	0.208	3659	10
PANEL NB	0.208	3611	10
PANEL NC	0.208	9167	14
PANEL NC2	0.208	8610	14
PANEL NC3	0.208	8300	14
PANEL ND	0.208	7734	14
PANEL ND2	0.208	7374	14
PANEL NE	0.208	7059	14
PANEL NE2	0.208	6694	14
PANEL NG	0.208	18250	30
PANEL NK	0.208	29843	42
PANEL NL	0.208	12215	22
PANEL NS	0.208	5434	10
PANEL LS	0.208	20695	35
PANEL LSA	0.208	616	10
PANEL C	0.208	34697	65
PANEL CA	0.208	2799	10
PANEL CB	0.208	2621	10
PANEL CC	0.208	4135	10
PANEL CC2	0.208	3916	10
PANEL CC3	0.208	3437	10
PANEL CD	0.208	4554	10
PANEL CD2	0.208	4098	10
PANEL CE	0.208	4042	10
PANEL CE2	0.208	3678	10
SWBD. EH	0.208	49902	65
PANEL EHA	0.208	10158	18
PANEL EHB	0.208	7501	14
PANEL EHC	0.208	14677	25
PANEL EHD	0.208	13773	22
PANEL EHE	0.208	9689	14
PANEL EHG	0.208	4483	10
PANEL EHK	0.208	16412	25

1. SHORT CIRCUIT STUDY COMPLETED 7/12/24.
2. FAULT CURRENTS SHOWN ARE CALCULATED SHORT CIRCUIT AMPERES BASED ON A 500 KVA UTILITY COMPANY PAD MOUNTED TRANSFORMER WITH A 12.47 KV PRIMARY (Z% = 2.80, X/R = 4.80) AND THE MAXIMUM FAULT CURRENT = 49,570 AMPERES.
3. SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED WITH MAX. AVAILABLE FAULT CURRENT, INCLUDING THE DATE THE FAULT CURRENT CALCULATIONS WERE PERFORMED, PER NEC 110.24

DISTRIBUTION SYSTEM / MECHANICAL / PLUMBING / FOOD SERVICE / MISC. EQUIPMENT BRANCH CIRCUIT AND FEEDER TABLE

ID# (NOTE 6)	BRANCH CKT / FEEDER RATING (AMPERES)	COPPER CONDX RATING (AMPERES)	COPPER CONDUCTORS	CU CONDX RACEWAY SIZE (INCHES)	AL CONDX RATING (AMPERES)	EQUIVALENT ALUMINUM CONDUCTORS	AL CONDX RACEWAYS SIZE (INCHES)
2(12)	20	20	2#12 & 1#12 EG	1/2	---	N/A	N/A
3(12)	20	20	3#12 & 1#12 EG	1/2	---	N/A	N/A
4(12)	20	20	4#12 & 1#12 EG	1/2	---	N/A	N/A
2(10)	30	30	2#10 & 1#10 EG	1/2	---	N/A	N/A
3(10)	30	30	3#10 & 1#10 EG	1/2	---	N/A	N/A
4(10)	30	30	4#10 & 1#10 EG	1/2	---	N/A	N/A
2(8)	35 - 50	50	2#8 & 1#10 EG	1/2	---	N/A	N/A
3(8)	35 - 50	50	3#8 & 1#10 EG	3/4	---	N/A	N/A
4(8)	35 - 50	50	4#8 & 1#10 EG	3/4	---	N/A	N/A
2(6)	60	65	2#6 & 1#10 EG	3/4	---	N/A	N/A
3(6)	60	65	3#6 & 1#10 EG	3/4	---	N/A	N/A
4(6)	60	65	4#6 & 1#10 EG	1	---	N/A	N/A
2(4)	70	65	2#6 & 1#8 EG	3/4	---	N/A	N/A
3(4)	70	65	3#6 & 1#8 EG	3/4	---	N/A	N/A
4(4)	70	65	4#6 & 1#8 EG	1	---	N/A	N/A
2(4)	80 - 90	85	2#4 & 1#8 EG	1	---	N/A	N/A
3(4)	80 - 90	85	3#4 & 1#8 EG	1	---	N/A	N/A
4(4)	80 - 90	85	4#4 & 1#8 EG	1-1/4	---	N/A	N/A
2(3)	100	100	2#3 & 1#8 EG	1	100	2#1 & 1#6 EG	1-1/4
3(3)	100	100	3#3 & 1#8 EG	1-1/4	100	3#1 & 1#6 EG	1-1/4
4(3)	100	100	4#3 & 1#8 EG	1-1/4	100	4#1 & 1#6 EG	1-1/2
2(2)	110	115	2#2 & 1 #6 EG	1	120	2#1/0 & 1 # 4 EG	1-1/4
3(2)	110	115	3#2 & 1 #6 EG	1-1/4	120	3#1/0 & 1 # 4 EG	1-1/2
4(2)	110	115	4#2 & 1 #6 EG	1-1/4	120	4#1/0 & 1 # 4 EG	2
2(1)	125	130	2#1 & 1 #6 EG	1-1/4	135	2#2/0 & 1#4 EG	1-1/2
3(1)	125	130	3#1 & 1 #6 EG	1-1/4	135	3#2/0 & 1#4 EG	2
4(1)	125	130	4#1 & 1 #6 EG	1-1/2	135	4#2/0 & 1#4 EG	2
3(1/0)	150	150	3#1/0 & 1 #6 EG	1-1/2	155	3#3/0 & 1#4 EG	2
4(1/0)	150	150	4#1/0 & 1 #6 EG	2	155	4#3/0 & 1#4 EG	2
3(2/0)	175	175	3#2/0 & 1 #6 EG	2	180	3#4/0 & 1#4 EG	2
4(2/0)	175	175	4#2/0 & 1 #6 EG	2	180	4#4/0 & 1#4 EG	2-1/2
3(3/0)	200	200	3#3/0 & 1 #6 EG	2	205	3- 250 KCMIL & 1#4 EG	2-1/2
4(3/0)	200	200	4#3/0 & 1 #6 EG	2	205	4- 250 KCMIL & 1#4 EG	2-1/2
3(4/0)	225	230	3#4/0 & 1 #4 EG	2	230	3- 300 KCMIL & 1#2 EG	2-1/2
4(4/0)	225	230	4#4/0 & 1 #4 EG	2-1/2	230	4- 300 KCMIL & 1#2 EG	2-1/2
3(250)	250	255	3 - 250 KCMIL & 1 #4 EG	2-1/2	250	3- 350 KCMIL & 1#2 EG	2-1/2
4(250)	250	255	4 - 250 KCMIL & 1 #4 EG	2-1/2	250	4- 350 KCMIL & 1#2 EG	3
3(350)	300	310	3 - 350 KCMIL & 1 #4 EG	2-1/2	310	3- 500 KCMIL & 1#2EG	3
4(350)	300	310	4 - 350 KCMIL & 1 #4 EG	3	310	4- 500 KCMIL & 1#2 EG	3
3(500)	400	380	3 - 500 KCMIL & 1 #3 EG	3	385	3 - 750 KCMIL & 1 #1 EG	3-1/2
4(500)	400	380	4 - 500 KCMIL & 1 #3 EG	3	385	4 - 750 KCMIL & 1 #1 EG	3-1/2
2 X 3(250)	500	2 X 255	6 - 250 KCMIL & 2 #2 EG	2 X 2-1/2	2 X 250	6 - 350 KCMIL & 2 #1/0 EG	2 X 2-1/2
2 X 4(250)	500	2 X 255	8 - 250 KCMIL & 2 #2 EG	2 X 2-1/2	2 X 250	8 - 350 KCMIL & 2 #1/0 EG	3 X 3
2 X 3(350)	600	2 X 310	6 - 350 KCMIL & 2 #1 EG	2 X 2-1/2	2 X 310	6 - 500 KCMIL & 2 #2/0 EG	2 X 3
2 X 4(350)	600	2 X 310	8 - 350 KCMIL & 2 #1 EG	2 X 3	2 X 310	8 - 500 KCMIL & 2 #2/0 EG	2 X 3
2 X 3(500)	800	2 X 380	6 - 500 KCMIL & 2 #1/0 EG	2 X 3	2 X 385	6 - 750 KCMIL & 2 #3/0 EG	2 X 3-1/2
2 X 4(500)	800	2 X 380	8 - 500 KCMIL & 2 #1/0 EG	2 X 3	2 X 385	8 - 750 KCMIL & 2 #3/0 EG	2 X 3-1/2
3 X 3(400)	1000	3 X 335	9 - 400 KCMIL & 3 #2/0 EG	3 X 3	3 X 340	9 - 600 KCMIL & 3 #4/0 EG	3 X 3
3 X 4(400)	1000	3 X 335	12 - 400 KCMIL & 3 #2/0 EG	3 X 3	3 X 340	12 - 600 KCMIL & 3 #4/0 EG	3 X 3-1/2
4 X 3(350)	1200	4 X 310	12 - 350 KCMIL & 4 #3/0 EG	4 X 2-1/2	4 X 310	12 - 500 KCMIL & 4-250 KCMIL EG	4 X 3
4 X 4(350)	1200	4 X 310	16 - 350 KCMIL & 4 #3/0 EG	4 X 3	4 X 310	16 - 500 KCMIL & 4-250 KCMIL EG	4 X 3

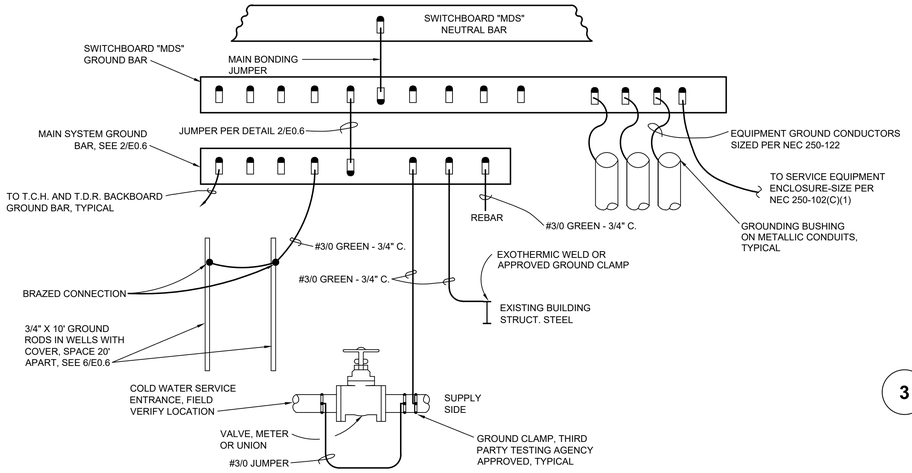
TABLE NOTES:
1. TABLE IS FOR SINGLE THWN CONDUCTORS IN EMT ONLY. OTHER INSULATIONS, RACEWAY TYPES OR CABLE CONFIGURATIONS MAY REQUIRE LARGER RACEWAYS OR DIFFERENT CABLE CONFIGURATIONS AND ARE THE RESPONSIBILITY OF THE CONTRACTOR.
2. DRY TYPE TRANSFORMER SECONDARY CONDUCTORS AND PARALLEL FEEDERS REQUIRE UPSIZED SYSTEM BONDING JUMPERS AND EQUIPMENT GROUNDING CONDUCTORS AND RACEWAYS THAN SHOWN IN THIS TABLE. UPSIZE AS REQUIRED.
3. ALL CONDUCTOR RATINGS ARE FOR 75 DEGREES C.
4. ALL NEUTRALS ARE FULL SIZE.
5. CONTRACTOR MAY USE DIFFERENT COMBINATIONS OF CONDUCTORS TO ACHIEVE THE REQUIRED AMPACITY, UPON APPROVAL OF THE ARCHITECT/ENGINEER.
6. "(3)" REPRESENTS A 3 SURROUNDED BY A CIRCLE (OR ELIPSE FOR MULTI-DIGIT CONDUCTOR SIZES) ON THE DRAWINGS, TYPICAL. SEE DETAIL 5/E-006. "2X", "3 X" AND "4 X" (2, 3 & 4 PARALLEL SETS OF CONDUCTORS) REPRESENT "2P", "3P" AND "4P" TERMINOLOGY USED ON THE DRAWINGS.
7. THE NUMBER OF PARALLEL RACEWAYS IS TYPICALLY SHOWN AS "2 X 3", INDICATING 2 - 3" RACEWAYS.
8. SEE SPECS SECTION 16025 REGARDING ALLOWED USE OF ALUMINUM CONDUCTORS.

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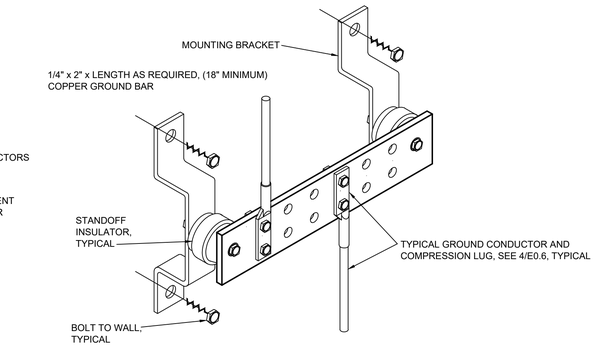
100 BED FACILITY
ELECTRICAL SCHEDULES

E0.5



1 SERVICE GROUNDING SYSTEM DETAIL

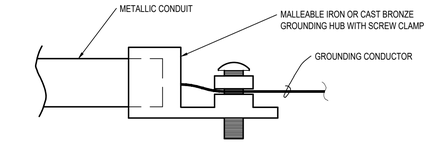
NOT TO SCALE



SEE SPECS SECTION 16027 FOR ADDITIONAL DETAILS

3 TYPICAL GROUNDING BAR MOUNTING DETAIL

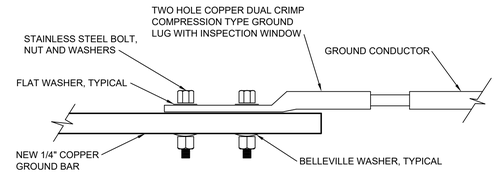
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NOTE: INSTALL AT EACH END OF RACEWAY

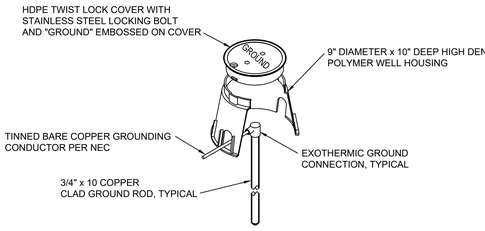
5 CONDUIT HUB AND GROUNDING CONDUCTOR DETAIL

NOT TO SCALE



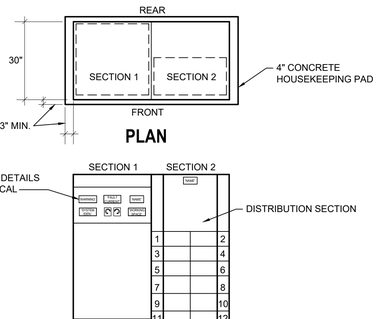
4 TYPICAL GROUND BAR CONNECTION DETAIL

NOT TO SCALE

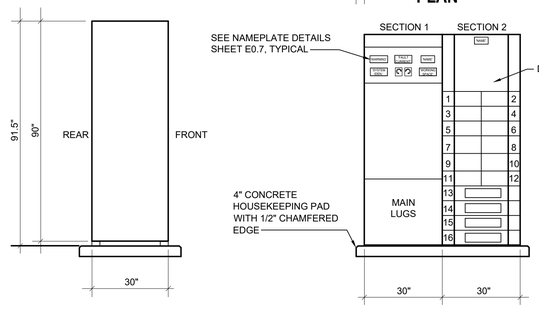


6 GROUNDING INSPECTION WELL DETAIL

NOT TO SCALE



PLAN

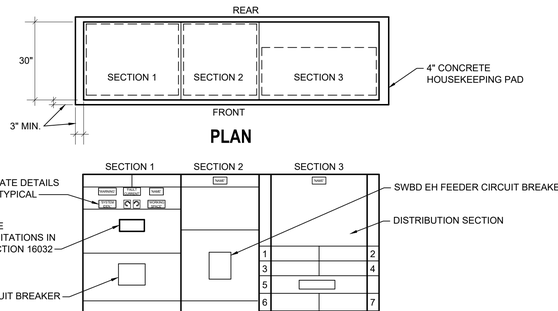


SIDE ELEVATION FRONT ELEVATION

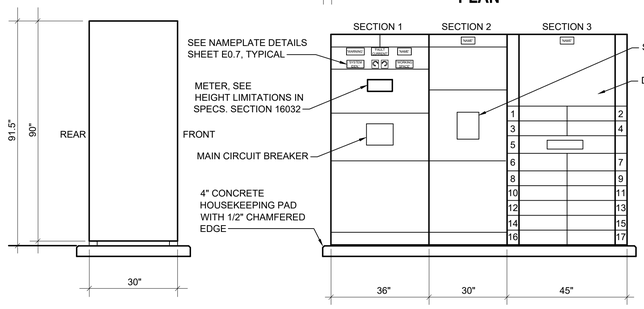
MAXIMUM ALLOWABLE DIMENSIONS SHOWN. VERIFY WITH ACTUAL EQUIPMENT PROVIDED

8 SWITCHBOARD "EH" ELEVATION

NOT TO SCALE



PLAN

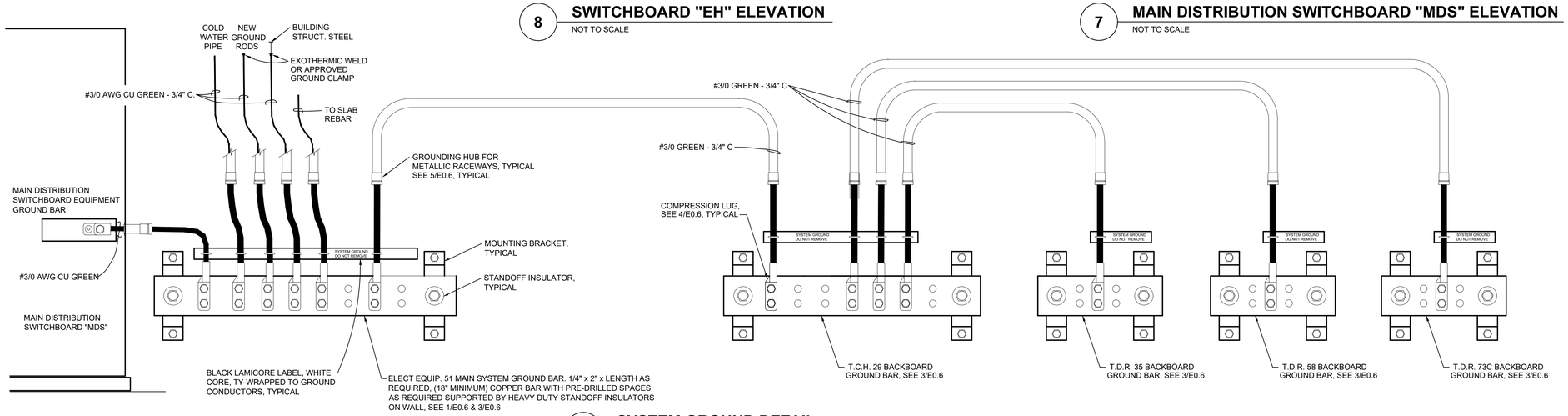


SIDE ELEVATION FRONT ELEVATION

MAXIMUM ALLOWABLE DIMENSIONS SHOWN. VERIFY WITH ACTUAL EQUIPMENT PROVIDED

7 MAIN DISTRIBUTION SWITCHBOARD "MDS" ELEVATION

NOT TO SCALE



2 SYSTEM GROUND DETAIL

NOT TO SCALE

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Wilmington, NC 28401 Fax: 910.791.5266
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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433 DUNCAN M. HOLLOWAY 9/25/2026

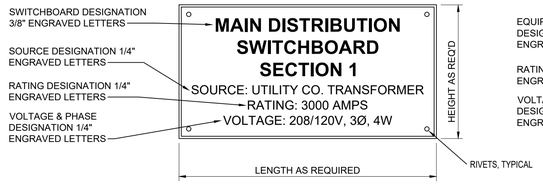
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Winston–Salem, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite 2–L, Wilmington, NC 28403
Architecture Planning Design

100 BED FACILITY
ELECTRICAL DETAILS

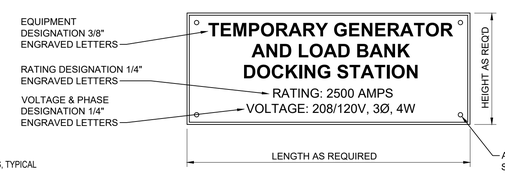
E0.6



NOTES: 1. SEE SPECS. SECTION 16019 FOR NAMEPLATE MATERIAL AND ENGRAVING COLORS
2. SIMILAR FOR SECTIONS 2 & 3.

1 MAIN DISTRIBUTION SWITCHBOARD NAMEPLATE DETAIL

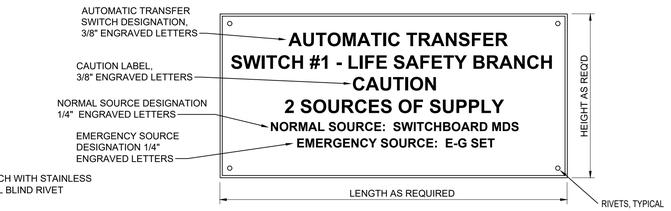
NOT TO SCALE



NOTE:
1. SEE SPECS. SECTION 16019 FOR NAMEPLATE MATERIAL AND ENGRAVING COLORS
2. IDENTIFIED AS "DUAL PURPOSE DOCKING STATION" ELSEWHERE IN THE DRAWINGS AND THE SPECIFICATIONS

2 TEMPORARY GENERATOR AND LOAD BANK DOCKING STATION NAMEPLATE DETAIL

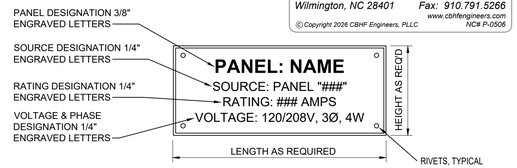
NOT TO SCALE



NOTES: 1. SEE SPECS. SECTION 16019 FOR NAMEPLATE MATERIAL AND ENGRAVING COLORS
2. SIMILAR FOR ATS #2 AND #3

3 TYPICAL AUTOMATIC TRANSFER SWITCH NAMEPLATE DETAIL

NOT TO SCALE



NOTE: SEE SPECS. SECTION 16019 FOR NAMEPLATE MATERIAL AND ENGRAVING COLORS

4 TYPICAL PANELBOARD NAMEPLATE DETAIL

NOT TO SCALE

DISTRIBUTION SWITCHBOARD EH SIMILAR

WARNING

Arc Flash and Shock Risk

Appropriate PPE Required

38 in	Arc Flash Boundary
4.10 cal/cm^2	Incident Energy at 18 in
PPE	Cotton Underwear + FR Shirt & Pants
480 VAC	Shock Risk when cover is removed
00	Glove Class
42 in	Limited Approach
12 in	Restricted Approach

Location:	PNL-MDP

SKM Systems Analysis, Inc.
1 Pearl St.
Redondo Beach, CA 90277
(310) 698-4700

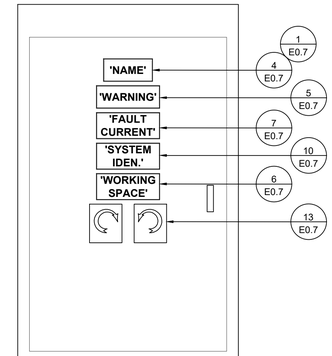
Job#:	232874	Prepared on:	03/01/23	By:	Engineer

Warning: Changes in equipment settings or system configuration will invalidate the calculated values and PPE requirements

NOTE: THE VALUES ABOVE ARE AN EXAMPLE OF THE NECESSARY CONTENTS OF THE LABEL CREATED AND APPLIED TO THE EQUIPMENT

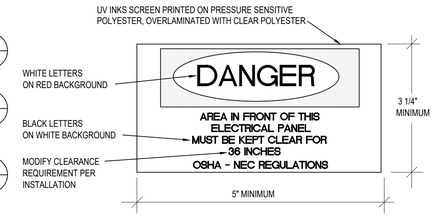
5 TYPICAL ARC FLASH LABEL

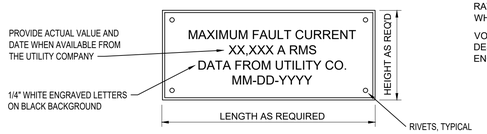
NOT TO SCALE



6 NEC WORKING SPACE LABEL DETAIL

NOT TO SCALE

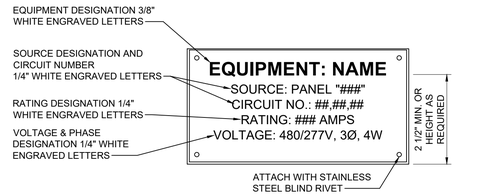




REQUIRED FOR ALL SWITCHBOARDS AND PANELBOARDS

7 FAULT CURRENT NAMEPLATE DETAIL

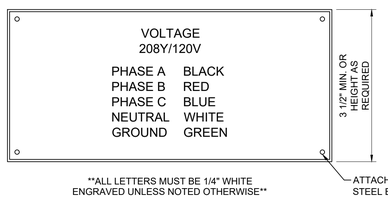
NOT TO SCALE



NOTE: SEE SPECS. SECTION 16019 FOR NAMEPLATE MATERIAL AND ENGRAVING COLORS.

14 TYPICAL EQUIPMENT D.S. NAMEPLATE DETAIL

NOT TO SCALE

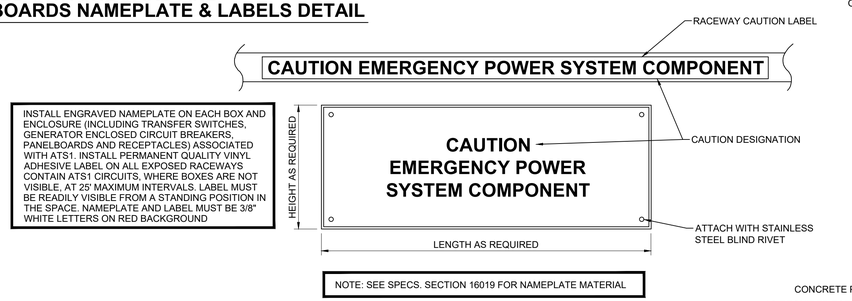


10 SYSTEM IDENTIFICATION LABEL

NOT TO SCALE

11 REQUIRED SWITCHBOARD AND PANELBOARDS NAMEPLATE & LABELS DETAIL

NOT TO SCALE

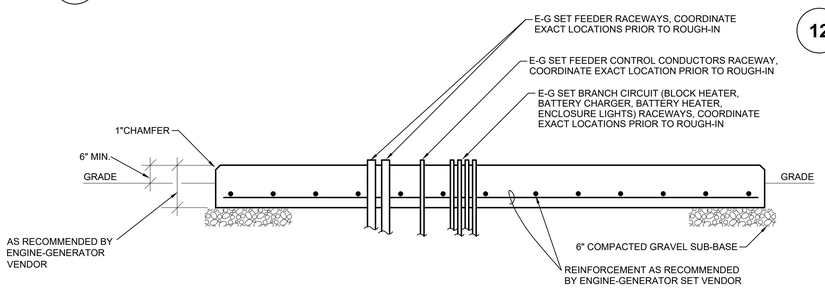


INSTALL ENGRAVED NAMEPLATE ON EACH BOX AND ENCLOSURE (INCLUDING TRANSFER SWITCHES, GENERATOR ENCLOSED CIRCUIT BREAKERS, PANELBOARDS AND RECEPTACLES) ASSOCIATED WITH ATS1. INSTALL PERMANENT QUALITY VINYL ADHESIVE LABEL ON ALL EXPOSED RACEWAYS CONTAIN ATS1 CIRCUITS, WHERE BOXES ARE NOT VISIBLE, AT 25' MAXIMUM INTERVALS. LABEL MUST BE READILY VISIBLE FROM A STANDING POSITION IN THE SPACE. NAMEPLATE AND LABEL MUST BE 3/8" WHITE LETTERS ON RED BACKGROUND

NOTE: SEE SPECS. SECTION 16019 FOR NAMEPLATE MATERIAL

12 EMERGENCY POWER SYSTEM COMPONENT AND RACEWAY NAMEPLATE AND LABEL

NOT TO SCALE



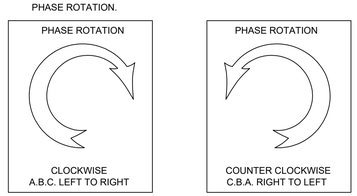
NOTE: FIELD VERIFY EXACT PAD SIZE REQUIREMENTS AND RACEWAY STUB-UP LOCATIONS WITH ENGINE-GENERATOR VENDOR, SUB-BASE FUEL TANK VENDOR AND STRUCTURAL ENGINEER PRIOR TO POURING OF PAD

8 ENGINE-GENERATOR SET CONCRETE PAD DETAIL

NOT TO SCALE

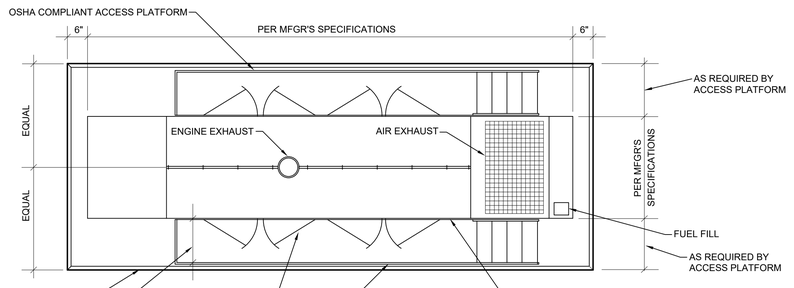
NOTES:
1. CONTRACTOR MUST IDENTIFY THE EXISTING PHASE ROTATION AT THE BEGINNING OF THE PROJECT SO THAT THIS ROTATION REMAINS THE SAME THROUGHOUT CONSTRUCTION.

2. UPON COMPLETION OF THE PROJECT THE CONTRACTOR MUST PROVIDE A PERMANENT LABEL INDICATING THE ACTUAL INSTALLED PHASE ROTATION.

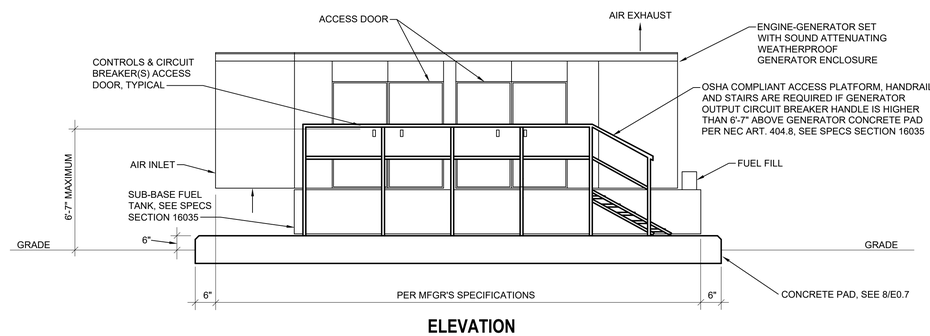


13 PHASE ROTATION LABEL

NOT TO SCALE



PLAN



ELEVATION

9 ENGINE-GENERATOR SET DETAIL

NOT TO SCALE

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433 CHRISTOPHER M. BOWDEN 9/25/2026

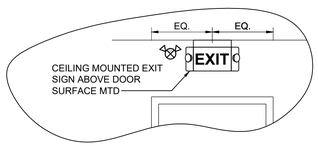
09-29-2026 BID

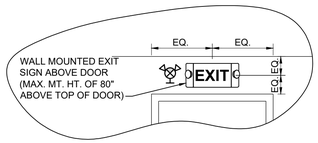
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FORSYTH COUNTY, L.L.C.
Winston–Salem, North Carolina

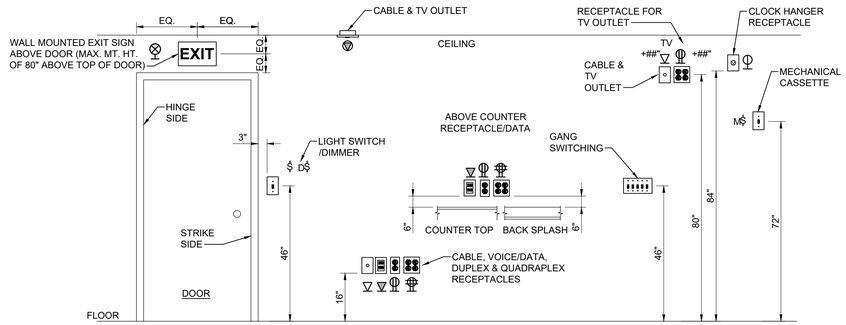
David R. Polston - Architect
3806 Park Ave. Suite 2–L, Wilmington, NC 28403
Architecture Planning Design

100 BED FACILITY
ELECTRICAL DETAILS

E0.7



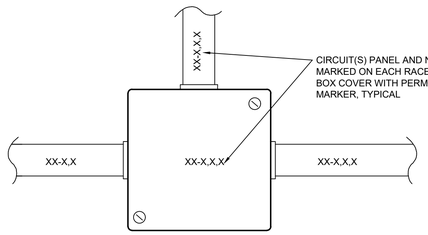




NOTE:
DETAIL SHOWN FOR REFERENCE ONLY, NOT ALL DEVICES ARE INDICATED ON PLANS.

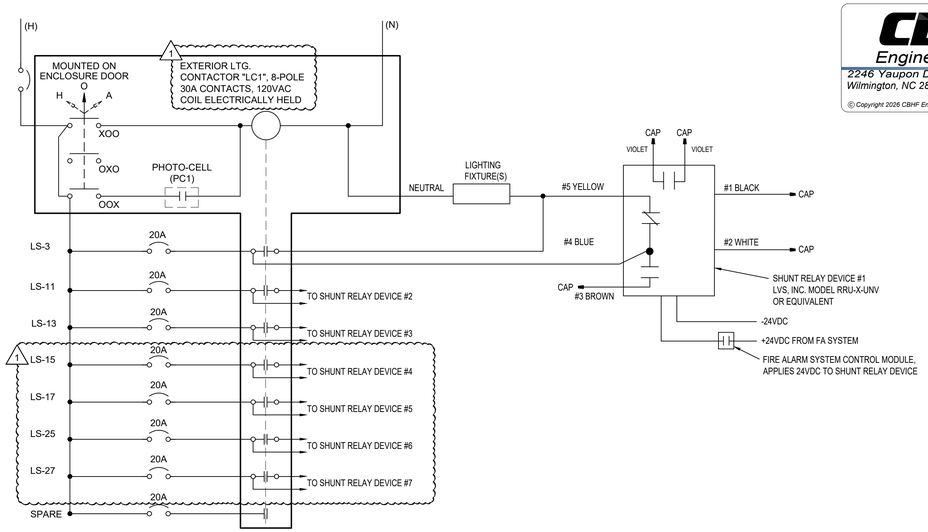
1 ELECTRICAL DEVICES - MOUNTING HEIGHT DETAIL

NOT TO SCALE



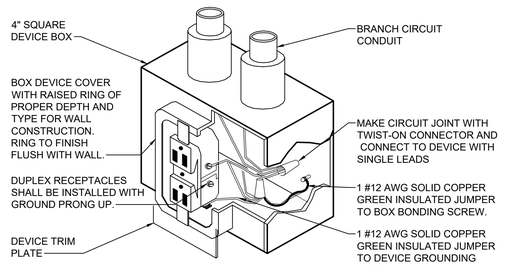
2 CIRCUIT IDENTIFICATION DETAIL

NOT TO SCALE



7 TYPICAL EXTERIOR LIFE SAFETY LIGHTING CONTROL DETAIL

NOT TO SCALE



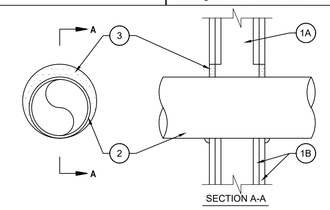
3 RECEPTACLE GROUNDING DETAIL

NOT TO SCALE

System No. W-L-1054

January 21, 2020

ANSI / UL1479 (ASTM E814)	CAN / ULC S115
F Ratings - 1 and 2 Hr (See Items 1 & 3)	F Ratings - 1 and 2 Hr (See Items 1 & 3)
T Ratings - 0 Hr	FT Ratings - 0 Hr
L Ratings at Ambient - Less Than 1 CFM / sq ft	FH Ratings - 1and 2 HR (See Items 1 and 3)
L Ratings at 400 F - Less Than 1 CFM / sq ft	FTH Ratings - 0 Hr
	FTH Ratings - 0 Hr L Rating at Ambient - Less Than 1 CFM / sq ft
	L Ratings at 400 F - Less Than 1 CFM / sq ft



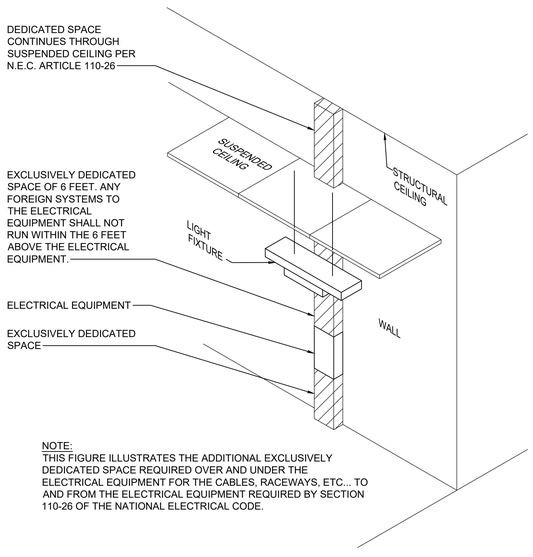
1. WALL ASSEMBLY — THE 1 OR 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   A. STUDS — WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 2-1/2 IN. (64 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC. FOR M RATING, STEEL STUDS TO BE MIN 3-5/8 IN. (92 MM) WIDE. WHEN STEEL STUDS ARE USED AND THE DIAM OF OPENING EXCEEDS THE WIDTH OF STUD CAVITY, THE OPENING SHALL BE FRAMED ON ALL SIDES USING LENGTHS OF STEEL STUD INSTALLED BETWEEN THE VERTICAL STUDS AND SCREW-ATTACHED TO THE STEEL STUDS AT EACH END. THE FRAMED OPENING IN THE WALL SHALL BE 4 TO 6 IN. (102 TO 152 MM) WIDER AND 4 TO 6 IN. (102 TO 152 MM) HIGHER THAN THE DIAM OF THE PENETRATING ITEM SUCH THAT, WHEN THE PENETRATING ITEM IS INSTALLED IN THE OPENING, A 2 TO 3 IN. (51 TO 76 MM) CLEARANCE IS PRESENT BETWEEN THE PENETRATING ITEM AND THE FRAMING ON ALL FOUR SIDES.
   B. GYPSUM BOARD* — 5/8 IN. (16 MM) THICK, 4 FT (122 CM) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 32-1/4 IN. (819 MM) FOR STEEL STUD WALLS. MAX DIAM OF OPENING IS 14-1/2 IN. (368 MM) FOR WOOD STUD WALLS. THE F AND FH RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE FIRE RATING OF THE WALL ASSEMBLY. THE M RATING IS APPLICABLE ONLY TO 1 HR RATED WALLS.
2. THROUGH-PENETRANTS — ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE SHALL BE MIN 0 IN. TO MAX 2-1/4 IN. (57 MM). PIPE MAY BE INSTALLED WITH CONTINUOUS POINT CONTACT. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
   A. STEEL PIPE — NOM 30 IN. (762 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
   B. IRON PIPE — NOM 30 IN. (762 MM) DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
   C. CONDUIT — NOM 4 IN. (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR 6 IN. (152 MM) . DIAM STEEL CONDUIT.
   D. COPPER TUBING — NOM 6 IN. (152 MM) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
   E. COPPER PIPE — NOM 6 IN. (152 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE.
3. FILL, VOID OR CAVITY MATERIAL* — SEALANT — MIN 5/8 IN. (16 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. AT THE POINT OR CONTINUOUS CONTACT LOCATIONS BETWEEN PIPE AND WALL, A MIN 1/2 IN. (13 MM) DIAM BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE PIPE WALL INTERFACE ON BOTH SURFACES OF WALL.

Movement Direction	Penetrant Item	Nominal Penetrant Diameter	Annular Space	Movement	Sealant Depth	F-Rating	L Rating with Movement
Y	2A, 2C*	2 in.	Max 2-1/4 in.	5%	5/8 in.	1 hr	N/A
Z	2A, 2C*	2 in.	2-1/4 in.	0.25 in.	5/8 in.	1 hr	N/A

* INDICATES SUCH PRODUCTS SHALL BEAR THE UL OR CUL CERTIFICATION MARK FOR JURISDICTIONS EMPLOYING THE UL OR CUL CERTIFICATION

6 1 AND 2 HOUR FIREWALL PENETRATION DETAIL

NOT TO SCALE



NOTE:
THIS FIGURE ILLUSTRATES THE ADDITIONAL EXCLUSIVELY DEDICATED SPACE REQUIRED OVER AND UNDER THE ELECTRICAL EQUIPMENT FOR THE CABLES, RACEWAYS, ETC... TO AND FROM THE ELECTRICAL EQUIPMENT REQUIRED BY SECTION 110-26 OF THE NATIONAL ELECTRICAL CODE.

4 DEDICATED SPACE FOR ELECTRICAL

NOT TO SCALE

TABLE 110.26(A)(1) - WORKING SPACES

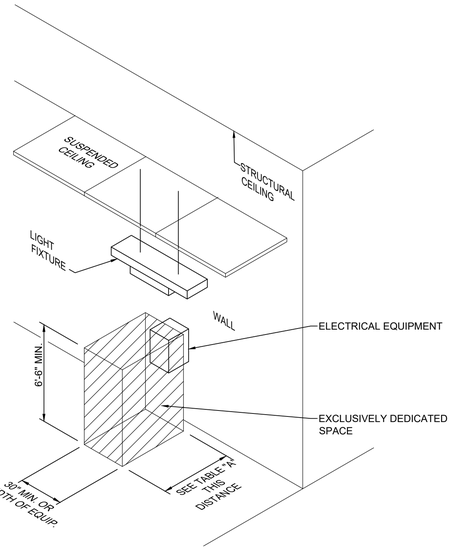
NOMINAL VOLTAGE TO GROUND	MINIMUM CLEAR DISTANCE (FEET)		
	CONDITION 1	CONDITION 2	CONDITION 3
0 - 150	900mm (3 ft)	900mm (3 ft)	900mm (3 ft)
151 - 600	900mm (3 ft)	1.0m (3 ft 6 in.)	1.2 m (4 ft.)
601 - 1000	900mm (3 ft)	1.2 m (4 ft.)	1.5 m (5 ft.)

NOTE: WHERE THE "CONDITIONS" ARE AS FOLLOWS:

CONDITION 1 - EXPOSED LIVE PARTS ON ONE SIDE OF WORKING SPACE AND NO LIVE OR GROUNDED PARTS ON THE OTHER SIDE OF THE WORKING SPACE, OR EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORKING SPACE THAT ARE EFFECTIVELY GUARDED BY INSULATING MATERIALS.

CONDITION 2 - EXPOSED LIVE PARTS ON ONE SIDE OF THE WORKING SPACE AND GROUNDED PARTS ON THE OTHER SIDE OF WORKING SPACE. CONCRETE BRICK, OR TILE WALLS SHALL BE CONSIDERED GROUNDED.

CONDITION 3 - EXPOSED LIVE PARTS ON BOTH SIDES OF THE WORK SPACE



5 WORKING CLEARANCE FOR ELECTRICAL

NOT TO SCALE

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8453 RICHARD B. CLEVELAND
9/25/2026

09-29-2026 BID

PRUITTHEALTH
FORSYTH COUNTY, L.L.C.
Winston–Salem, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite 2–L, Wilmington, NC 28403
Architecture Planning Design

REV	DESCR.	DATE
1	REVISIONS PER PLAN REVIEW	09.29.2026

100 BED FACILITY
ELECTRICAL DETAILS

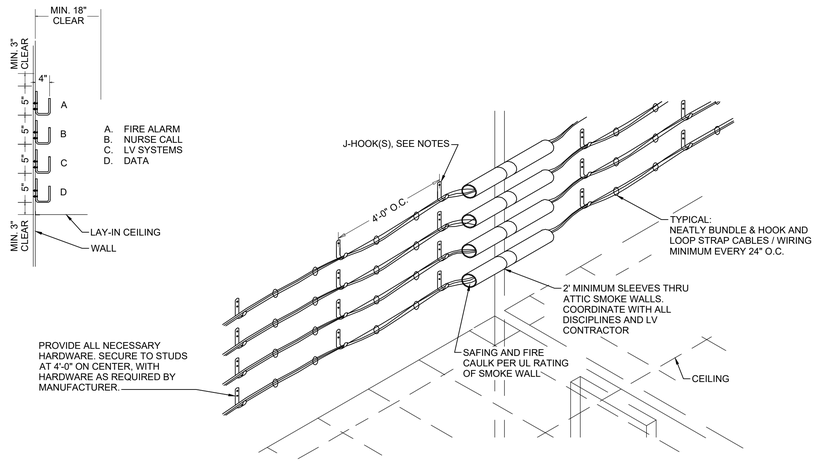
E0.8

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Wilmington, NC 28401 Fax: 910.791.5266
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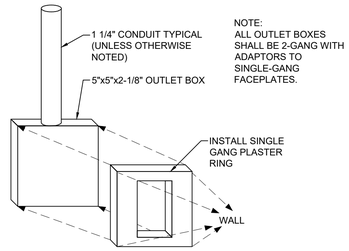


9/25/2026

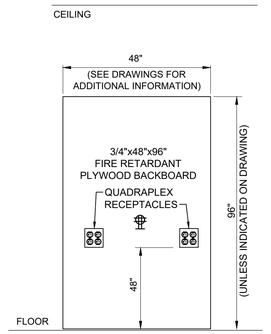
09-29-2026 BID



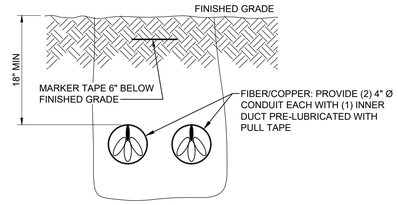
2 ATTIC LOW VOLTAGE WIRE MANAGEMENT DETAIL
NOT TO SCALE



3 DATA OUTLET PATHWAY DETAIL
NOT TO SCALE



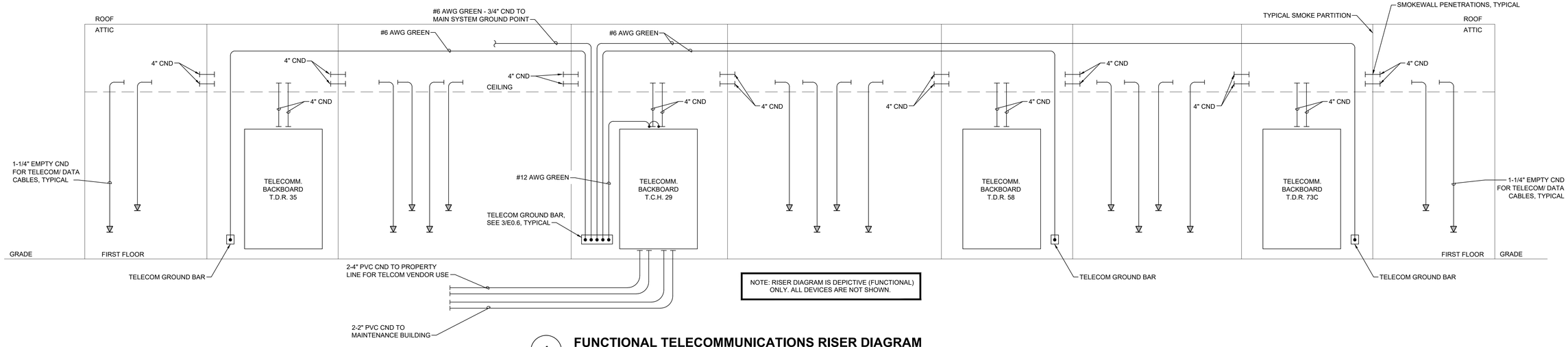
4 TELECOM BACKBOARD MOUNTING DETAIL
NOT TO SCALE



5 SECTION - FIBER/COPPER
NOT TO SCALE

NOTES:
1. CABLING SHALL BE INSTALLED IN STRAIGHT PATHS AND EXIT PATHWAYS AT NINETY DEGREE ANGLES. DIAGONAL BEELINE AND OR NON-SUPPORTED CABLING ARE UNACCEPTABLE. CABLING SHALL BE ROUTED AS HIGH AS POSSIBLE AND ABOVE OTHER BUILDING FACILITIES IN THE PATH WITH THE LEAST OBSTRUCTIONS IN THE ATTIC WHILE MAINTAINING THE SEPARATION REQUIREMENTS OF ANSI/TIA-568-C, ANSI/TIA/EIA-569-B, AND NFPA 70 (NEC). CABLE PATHWAYS SHALL BE CLEAR OF ALL POSSIBLE EMF AND RFI INTERFERENCE. CABLES SHALL BE INSTALLED AT LEAST TWO FEET AWAY FROM ALL LIGHTING FIXTURES AND OTHER POTENTIAL EMF SOURCES. ANY VIOLATIONS OF THIS SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. CABLES SHALL NOT BE RUN PARALLEL WITH ELECTRICAL CONDUITS OR STRAPPED TO THEM.
2. THE CABLE SUPPORT STRUCTURE SHALL UTILIZE CAT 6 APPROVED CABLE SUPPORTS AND BE SIZED TO ACCOMMODATE CHANGE. J HOOK TYPE CABLE SUPPORTS SHALL BE SECURELY FASTENED TO THE BUILDING STRUCTURE AND BE SPACE AT A MAXIMUM DISTANCE OF FOUR (4) FEET SO THAT THE SAG BETWEEN SUPPORTS DOES NOT EXCEED 12 INCHES. J HOOKS SHALL BE SIZED AS FOLLOWS: TWO INCH J HOOKS RATED FOR 75 CABLES AND SHALL BE USED TO SUPPORTS CABLE PATHS OF 50 OR LESS CABLES, FOUR IN J HOOKS RATED FOR 150 CABLES AND SHALL BE USED TO SUPPORT CABLE PATHS OF 51 TO 100 CABLES. ALL CABLE PATHS SHALL BE SIZED WITH 20% SPARE CAPACITY. ALL ATTACHMENT HARDWARE SHALL BE APPROVED FOR THE TYPE OF INSTALLATION AND MAXIMUM LOAD RATING OF THE PRODUCTS TO BE INSTALLED.
3. HORIZONTAL CABLES SHALL BE BUNDLED USING HOOK AND LOOP STRAPS. PLASTIC CABLE TIES ARE NOT PERMITTED.

NOTE: COORDINATE LOW VOLTAGE SYSTEMS WITH LOW VOLTAGE SYSTEM REFERENCE DRAWINGS.



NOTE: RISER DIAGRAM IS DEPICTIVE (FUNCTIONAL) ONLY. ALL DEVICES ARE NOT SHOWN.

1 FUNCTIONAL TELECOMMUNICATIONS RISER DIAGRAM
NOT TO SCALE

PRUITTHEALTH
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100 BED FACILITY
ELECTRICAL DETAILS

E0.9

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433 DONALD M. HOLDEN
9/25/2026

09-29-2026 BID

SWITCHBOARD MDS & ESTIMATED DEMAND LOAD SUMMARY

TYPE:	208	120	VOLTS,	3	PHASE,	4	WIRE				PROVIDE	XX	EQUIPMENT GROUND BUS						
UL 891 SWITCHBOARD CONSTRUCTION,	MOUNT:	SURFACE									IF	XX	100 % NEUTRAL BUS						
FREE STANDING, FRONT ACCESS ONLY, SEE	FEED:	BOTTOM									CHECKED	XX	ULSE LABEL						
SPECS SECTION 16032 FOR ADDITIONAL DETAIL	NEMA -	1	ENCLOSURE										ISOLATED GROUND BAR						
	LOAD	CKT BKR	CKT	PHASE LOAD VA			CKT	CKT BKR	LOAD										
LOAD SERVED	VA	POLES/TRIP	#	A	B	C	#	POLES/TRIP	VA	LOAD SERVED									
PANEL NA	12,966	100/3		43,246				250/3	30,280	PANEL NK									
|	11,518	|	1		45,478		2	|	33,960	|								
|	9,590	|				42,050		|	32,460	|								
PANEL NB	12,073	100/3		14,063				60/3	1,990	PANEL NG									
|	13,298	|	3		14,928		4	|	1,630	|								
|	11,825	|				14,325		|	2,500	|								
PANEL NC	39,233	300/3		43,253				100/3	4,020	PANEL NS									
|	37,081	|	5		41,025		6	|	3,944	|								
|	36,389	|				39,383		|	2,994	|								
PANEL ND	32,075	225/3		38,895				100/3	6,820	PANEL NL									
|	34,768	|	7		40,168		8	|	5,400	|								
|	26,735	|				32,115		|	5,380	|								
PANEL NE	28,036	225/3		28,036				100/3		SPARE									
|	45,447	|	9		45,447		10	|		|								
|	19,621	|				19,621		|		|								
PANEL LS VIA LIFE SAFETY BRANCH ATS-1	5,409	100/3		5,409				30/3		SPD									
|	5,292	|	11		5,292		12	|		|								
|	5,084	|				5,084		|		|								
PANEL C VIA CRITICAL BRANCH ATS-2	53,712	400/3		53,712				100/3		PREPARED SPACE									
|	56,261	|	13		56,261		14	|		|								
|	62,275	|				62,275		|		|								
SWITCHBOARD EH VIA EQUIPMENT SYSTEM ATS	213,063	2000/3		213,063				225/3		PREPARED SPACE									
(100% RATED CB)	202,541	|	15		202,541		16	|		|								
|	199,476	|				199,476		|		|								
PREPARED SPACE		225/3		0				225/3		PREPARED SPACE									
|		|	17		0		18	|		|								
						0													

	439,677	451,140	414,329	TTL PHASE VA
	3,664	3,760	3,453	TTL PHASE AMPS
	34%	35%	32%	PHASE BALANCE

NOTES (AS APPLICABLE):
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.
2. COORDINATE SPD CIRCUIT BREAKER WITH SPD PROVIDED.

3,000 A. BUS (COPPER, UNO)
3,000 A. MAIN CIRCUIT BREAKER
65 KAIC MINIMUM RATING

DEMAND SUMMARY:		CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) =	479,636			
RECEPTACLES FIRST 10 KVA		10,000	1.00	10,000
RECEPTACLES > 10 KVA		469,636	0.50	234,818
LIGHTING		62,319	1.25	77,899
MISCELLANEOUS EQUIPMENT		34,157	1.00	34,157
OTHER EQUIPMENT (CONTINUOUS)		2,680	1.25	3,350
LARGEST MOTOR		42,513	1.25	53,141
HVAC EQUIPMENT (FLA = MCA X 0.8)		533,105	1.00	533,105
KITCHEN EQUIPMENT	44	150,736	0.65	97,978
TOTAL CONNECTED (VA)		1,305,145		
TOTAL DEMAND (VA)				1,044,448
TOTAL DEMAND (AMPERES)				2,899.1
PANEL DEMAND LOADING VS RATING		96.6%		

ADDITIONAL NOTES (AS APPLICABLE):
3. SWBD EH CB SHALL BE 100% RATED & PROVIDED WITH AN ARC ENERGY REDUCTION MAINTENANCE SWITCH PER NEC ART. 240.87.
4. THE MCB SHALL BE 100% RATED & PROVIDED WITH AN ARC ENERGY REDUCTION MAINTENANCE SWITCH PER NEC ART. 240.87.
5. KITCHEN EQUIPMENT DEMAND FACTOR PER NEC TABLE 220.56
6. SEE SPECIFICATIONS SECTION 16032 AND SWITCHBOARD ELEVATION 7/E0.6 FOR ADDITIONAL DETAILS AND REQUIREMENTS.

Panel NA

TYPE:	208	120	VOLTS,	3	PHASE,	4	WIRE				PROVIDE	XX	EQUIPMENT GROUND BUS						
BOLT-ON	MOUNT:	SURFACE									IF	XX	100 % NEUTRAL BUS						
HINGED TRIM	FEED:	BOTTOM									CHECKED		ULSE LABEL						
	NEMA -	1	ENCLOSURE										ISOLATED GROUND BAR						
	LOAD	CKT BKR	CKT	PHASE LOAD VA			CKT	CKT BKR	LOAD										
LOAD SERVED	VA	POLES/TRIP	#	A	B	C	#	POLES/TRIP	VA	LOAD SERVED									
RECEPTACLES 2,3,80	1,080	20/1	1	1,280			2	20/1	200	PROJECTION SCREEN 77									
COFFEE MAKER 2	1,500	20/1	3		2,000		4	20/1	500	PROJECTOR 77									
RECEPTACLES 2	540	20/1	5			1,440	6	20/1	900	RECEPTACLES 77									
EXTERIOR RECEPTACLES	900	20/1	7	2,340			8	20/1	1,440	RECEPTACLES 76									
FOUNTAIN RECEPTACLE	180	20/1	9		1,260		10	20/1	1,080	RECEPTACLES 69									
FOUNTAIN PUMP	1,000	20/1	11			2,260	12	20/1	1,260	RECEPTACLES 71,73,73A, 73B									
1 EWC 1 (NOTE 2)	500	20/1	13	2,300			14	20/1	1,800	RECEPTACLE 74									
ATTIC RECEPTACLES	720	20/1	15		2,520		16	20/1	1,800	RECEPTACLE 74									
RECEPTACLES 73C	720	20/1	17			2,520	18	20/1	1,800	RECEPTACLE 74									
TELEVISION SETS RECEPTACLE 73C	360	20/1	19	2,160			20	20/1	1,800	RECEPTACLE 74									
TELEVISION SETS RECEPTACLE 73C	360	20/1	21		1,080		22	20/1	720	ATTIC RECEPTACLES									
EXTERIOR RECEPTACLES	360	20/1	23			360	24	20/1		SPARE									
RECEPTACLE 77	1,500	20/1	25	1,500			26	20/1		SPARE									
RECEPTACLE 77	1,500	20/1	27		2,220		28	20/1	720	RECEPTACLES 74									
SPARE		20/1	29			0	30	20/1		SPARE									
EXTERIOR LIGHTING THRU PC	212	20/1	31	572			32	20/1	360	RECEPTACLES 74B,75									
LIGHTING 69,74,74A,74B,75,	1,178	20/1	33		1,358		34	20/1	180	RECEPTACLE 74A									
LIGHTING 3, 76,77	1,030	20/1	35			1,210	36	20/1	180	RECEPTACLE 73D									
LIGHTING 1, 78,79,80	1,554	20/1	37	2,814			38	20/1	1,260	RECEPTACLES 73									
SPARE		20/1	39		1,080		40	20/1	1,080	RECEPTACLES 73									
SPARE		20/1	41			1,800	42	20/1	1,800	PRINTER 5									

	12,966	11,518	9,590	TTL PHASE VA
	108	96	80	TTL PHASE AMPS
	38%	34%	28%	PHASE BALANCE

NOTES (AS APPLICABLE):
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.
2. GFCI CIRCUIT BREAKER.

100 A. BUS (COPPER, UNO)
100 A. MAIN LUGS AND/OR FEEDER RATING
10 KAIC MINIMUM RATING

DEMAND SUMMARY:		CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) =	29,100			
RECEPTACLES FIRST 10 KVA		10,000	1.00	10,000
RECEPTACLES > 10 KVA		19,100	0.50	9,550
LIGHTING		3,974	1.25	4,968
MISCELLANEOUS EQUIPMENT		0	1.00	0
OTHER EQUIPMENT (CONTINUOUS)		1,000	1.25	1,250
LARGEST MOTOR		0	1.25	0
HVAC EQUIPMENT (FLA = MCA X 0.8)		0	1.00	0
KITCHEN EQUIPMENT	0	0	1.00	0
TOTAL CONNECTED (VA)		34,074		
TOTAL DEMAND (VA)				25,768
TOTAL DEMAND (AMPERES)				71.5
PANEL DEMAND LOADING VS RATING		71.5%		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.

Panel NB

TYPE:	208	120	VOLTS,	3	PHASE,	4	WIRE				PROVIDE	XX	EQUIPMENT GROUND BUS						
BOLT-ON	MOUNT:	SURFACE									IF	XX	100 % NEUTRAL BUS						
HINGED TRIM	FEED:	BOTTOM									CHECKED		ULSE LABEL						
	NEMA -	1	ENCLOSURE										ISOLATED GROUND BAR						
	LOAD	CKT BKR	CKT	PHASE LOAD VA			CKT	CKT BKR	LOAD										
LOAD SERVED	VA	POLES/TRIP	#	A	B	C	#	POLES/TRIP	VA	LOAD SERVED									
RECEPTACLES 6	540	20/1	1	1,620			2	20/1	1,080	RECEPTACLES, FLOORBOX, FIREPLACE 1									
FLOOR BOX 16	1,500	20/1	3		2,580		4	20/1	1,080	RECEPTACLES, FLOORBOX, FIREPLACE 2									
FLOOR BOXES 6	1,000	20/1	5			1,360	6	20/1	360	RECEPTACLES 7,8									
FLOOR BOXES 6	1,000	20/1	7	2,080			8	20/1	1,080	RECEPTACLES 6,9									
FLOOR BOXES 6	1,000	20/1	9		1,540		10	20/1	540	RECEPTACLES 79									
RECEPTACLES 11,15,16A,79	1,080	20/1	11			1,440	12	20/1	360	RECEPTACLES 19									
RECEPTACLES 6	900	20/1	13	1,980			14	20/1	1,080	RECEPTACLES 19									
RECEPTACLES 16B,16C,16D	540	20/1	15		1,740		16	20/1	1,200	PRINTER 17									
RECEPTACLES 16E	720	20/1	17			1,260	18	20/1	540	RECEPTACLES EXTERIOR HVAC									
PRINTER 16E	1,200	20/1	19	1,740			20	20/1	540	RECEPTACLES EXTERIOR HVAC									
EXTERIOR RECEPTACLES	360	20/1	21		1,260		22	20/1	900	RECEPTACLES EXTERIOR HVAC									
RECEPTACLE 4,5	1,260	20/1	23			2,340	24	20/1	1,080	RECEPTACLES 13,14									
RECEPTACLE 16A	1,000	20/1	25	1,900			26	20/1	900	RECEPTACLES 11,12									
RECEPTACLE 16A	1,000	20/1	27		2,260		28	20/1	1,260	RECEPTACLES 16									
1 DISHWASHER 77A (NOTE 2)	1,000	20/1	29			1,360	30	20/1	360	RECEPTACLES 6									
RANGE 77A	200	20/1	31	200			32	20/1		SPARE									
ATTIC LIGHTS	168	20/1	33		168		34	20/1		SPARE									
LIGHTING 16C,16D,17,19	315	20/1	35			1,315	36	20/1	1,000	FLOOR BOXES 16									
LIGHTING 16,16A	1,553	20/1	37	2,553			38	20/1	1,000	FLOOR BOXES 16									
SPARE		20/1	39		1,000		40	20/1	1,000	FLOOR BOXES 16									
SPARE		20/1	41			0	42	20/1		SPARE									
SPARE		20/1	43	0			44	20/1		SPARE									
SPARE		20/1	45		0		46	20/1		SPARE									
SPARE		20/1	47			0	48	20/1		SPARE									
SPARE		20/1	49	0			50	20/1		SPARE									
RANGE 77A (NOTE 2)	2,750	50/2	51		2,750		52	20/1		SPARE									
|	2,750	|	53			2,750	54	20/1		SPARE									
SPARE		60/3	55	0			56	20/1		SPARE									
|		|	57		0	58	20/1		SPARE									
|		|	59			60	20/1		SPARE									

	12,073	13,298	11,825	TTL PHASE VA
	101	111	99	TTL PHASE AMPS
	32%	36%	32%	PHASE BALANCE

NOTES (AS APPLICABLE):
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.
2. GFCI CIRCUIT BREAKER.

100 A. BUS (COPPER, UNO)
100 A. MAIN LUGS AND/OR FEEDER RATING
10 KAIC MINIMUM RATING

DEMAND SUMMARY:		CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) =	28,460			
RECEPTACLES FIRST 10 KVA		10,000	1.00	10,000
RECEPTACLES > 10 KVA		18,460	0.50	9,230
LIGHTING		2,036	1.25	2,545
MISCELLANEOUS EQUIPMENT		0	1.00	0
OTHER EQUIPMENT (CONTINUOUS)		0	1.25	0
LARGEST MOTOR		0	1.25	0
HVAC EQUIPMENT (FLA = MCA X 0.8)		200	1.00	200
KITCHEN EQUIPMENT	2	6,500	1.00	6,500
TOTAL CONNECTED (VA)		37,196		
TOTAL DEMAND (VA)				28,475
TOTAL DEMAND (AMPERES)				79.0
PANEL DEMAND LOADING VS RATING		79.0%		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.
4. KITCHEN EQUIPMENT DEMAND FACTOR PER NEC TABLE 220.56.

Panel NC

TYPE:	208	120	VOLTS,	3	PHASE,	4	WIRE				PROVIDE	XX	EQUIPMENT GROUND BUS						
BOLT-ON	MOUNT:	SURFACE									IF	XX	100 % NEUTRAL BUS						
HINGED TRIM	FEED:	BOTTOM									CHECKED		ULSE LABEL						
	NEMA -	1	ENCLOSURE										ISOLATED GROUND BAR						
	LOAD	CKT BKR	CKT	PHASE LOAD VA			CKT	CKT BKR	LOAD										
LOAD SERVED	VA	POLES/TRIP	#	A	B	C	#	POLES/TRIP	VA	LOAD SERVED									
PRIVATE ROOM 801 RECEPTACLES	360	20/1	1	900			2	20/1	540	PRIVATE ROOM 811 RECEPTACLES									
PRIVATE ROOM 801 BATH RECEPTACLE	1,500	20/1	3		3,000		4	20/1	1,500	PRIVATE ROOM 811 BATH RECEPTACLE									
PRIVATE ROOM 802 RECEPTACLES	360	20/1	5			720	6	20/1	360	PRIVATE ROOM 812 RECEPTACLES									
PRIVATE ROOM 802 BATH RECEPTACLE	1,500	20/1	7	3,000			8	20/1	1,500	PRIVATE ROOM 812 BATH RECEPTACLE									
PRIVATE ROOM 803 RECEPTACLES	360	20/1	9		720		10	20/1	360	PRIVATE ROOM 813 RECEPTACLES									
PRIVATE ROOM 803 BATH RECEPTACLE	1,500	20/1	11			3,000	12	20/1	1,500	PRIVATE ROOM 813 BATH RECEPTACLE									
PRIVATE ROOM 804 RECEPTACLES	360	20/1	13	720			14	20/1	360	PRIVATE ROOM 814 BATH RECEPTACLES									
PRIVATE ROOM 804 BATH RECEPTACLE	1,500	20/1	15		3,000		16	20/1	1,500	PRIVATE ROOM 814 BATH RECEPTACLE									
PRIVATE ROOM 805 RECEPTACLES	360	20/1	17			720	18	20/1	360	PRIVATE ROOM 815 RECEPTACLES									
PRIVATE ROOM 805 BATH RECEPTACLE	1,500	20/1	19	3,000			20	20/1	1,500	PRIVATE ROOM 815 BATH RECEPTACLE									
PRIVATE ROOM 806 RECEPTACLES	360	20/1	21		720		22	20/1	360	PRIVATE ROOM 816 RECEPTACLES									
PRIVATE ROOM 806 BATH RECEPTACLE	1,500	20/1	23			3,000	24	20/1	1,500	PRIVATE ROOM 816 BATH RECEPTACLE									
PRIVATE ROOM 807 RECEPTACLES	360	20/1	25	720			26	20/1	360	PRIVATE ROOM 817 RECEPTACLES									
PRIVATE ROOM 807 BATH RECEPTACLE	1,500	20/1	27		3,000		28	20/1	1,500	PRIVATE ROOM 817 BATH RECEPTACLE									
PRIVATE ROOM 808 RECEPTACLES	360	20/1	29			720	30	20/1	360	PRIVATE ROOM 818 RECEPTACLES									
PRIVATE ROOM 808 BATH RECEPTACLE	1,500	20/1	31	3,000			32	20/1	1,500	PRIVATE ROOM 818 BATH RECEPTACLE									
PRIVATE ROOM 809 RECEPTACLES	540	20/1	33		540		34	20/1		SPARE									
PRIVATE ROOM 809 BATH RECEPTACLE	1,500	20/1	35			1,500	36	20/1		SPARE									
PRIVATE ROOM 811 UC REFRIG.	360	20/1	37	360			38	20/1		SPARE									
PRIVATE ROOM 810 RECEPTACLES	720	20/1	39		720		40	20/1		SPARE									
PRIVATE ROOM 810 BATH RECEPTACLE	1,500	20/1	41			1,500	42	20/1		SPARE									
ATTIC RECEPTACLES	1,440	20/1	43	1,440			44	20/1		SPARE									
ATTIC LIGHTS	294	20/1	45		294		46	20/1		SPARE									
LIGHTING 62,68	540	20/1	47			540	48	20/1		SPARE									
LIGHTING 54,55,56,59,60,61,63,64,65,66,67	1,476	20/1	49	1,476			50	20/1		SPARE									
LIGHTING CORRIDOR 617,737,837	887	20/1	51		887		52	20/1		SPARE									
1 RECEPTACLES EXTERIOR HVAC	720	20/1	53			720	54	20/1		SPARE									
PANEL "NC2"	15,125	125/3	55	24,617			56	100/3	9,492	PANEL "NC3"									
|	13,568	|	57		24,200		58	|	10,632	|								
|	16,613	|	59			23,969	60	|	7,356	|								

	39,233	37,081	36,389	TTL PHASE VA
	327	309	303	TTL PHASE AMPS
	35%	33%	32%	PHASE BALANCE

NOTES (AS APPLICABLE):
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.
2. GFCI CIRCUIT BREAKER.

400 A. BUS (COPPER, UNO)
300 A. MAIN LUGS AND/OR FEEDER RATING
14 KAIC MINIMUM RATING

DEMAND SUMMARY:		CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) =	89,380			
RECEPTACLES FIRST 10 KVA		10,000	1.00	10,000
RECEPTACLES > 10 KVA		79,380	0.50	39,690
LIGHTING		12,577	1.25	15,721
MISCELLANEOUS EQUIPMENT		0	1.00	0
OTHER EQUIPMENT (CONTINUOUS)		0	1.25	0
LARGEST MOTOR		0	1.25	0
HVAC EQUIPMENT (FLA = MCA X 0.8)		0	1.00	0
KITCHEN EQUIPMENT	6	10,746	0.65	6,985
TOTAL CONNECTED (VA)		112,703		
TOTAL DEMAND (VA)				72,396
TOTAL DEMAND (AMPERES)				200.9
PANEL DEMAND LOADING VS RATING		67.0%		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.
4. KITCHEN EQUIPMENT DEMAND FACTOR PER NEC TABLE 220.56.

Panel NC2

TYPE:	208	120	VOLTS,	3	PHASE,	4	WIRE				PROVIDE	XX	EQUIPMENT GROUND BUS						
BOLT-ON	MOUNT:	SURFACE									IF	XX	100 % NEUTRAL BUS						
HINGED TRIM	FEED:	TOP									CHECKED		ULSE LABEL						
	NEMA -	1	ENCLOSURE										ISOLATED GROUND BAR						
	LOAD	CKT BKR	CKT	PHASE LOAD VA			CKT	CKT BKR	LOAD										
LOAD SERVED	VA	POLES/TRIP	#	A	B	C	#	POLES/TRIP	VA	LOAD SERVED									
RECEPTACLE, FLOORBOXES 62	540	20/1	1	900			2	20/1	360	PRIVATE ROOM 601 RECEPTACLES									
FIREPLACE, RECEPTACLES 62	380	20/1	3		1,880		4	20/1	1,500	PRIVATE ROOM 601 BATH RECEPTACLE									
RECEPTACLES, FLOOR BOXES 68	720	20/1	5			1,080	6	20/1	360	PRIVATE ROOM 602 RECEPTACLES									
FIREPLACE, RECEPTACLES 68	380	20/1	7	1,880			8	20/1	1,500	PRIVATE ROOM 601 BATH RECEPTACLE									
COURTYARD RECEPTACLE	180	20/1	9		540		10	20/1	360	PRIVATE ROOM 603 RECEPTACLES									
RECEPTACLES 57,617	900	20/1	11			2,400	12	20/1	1,500	PRIVATE ROOM 603 BATH RECEPTACLE									
RECEPTACLES 59,60,61	720	20/1	13	1,080			14	20/1	360	PRIVATE ROOM 604 RECEPTACLES									
RECEPTACLES 55	720	20/1	15		2,220		16	20/1	1,500	PRIVATE ROOM 604 BATH RECEPTACLE									
RECEPTACLES 54,56	360	20/1	17			720	18	20/1	360	PRIVATE ROOM 701 RECEPTACLES									
RECEPTACLES, FIREPLACE 63	360	20/1	19	1,860			20	20/1	1,500	PRIVATE ROOM 701 BATH RECEPTACLE									
PANINI PRESS (1) 64	1,800	20/1	21		2,160		22	20/1	360	PRIVATE ROOM 702 RECEPTACLES									
HOLDING CABINET (9) 64	1,200	20/1	23			2,700	24	20/1	1,500	PRIVATE ROOM 702 BATH RECEPTACLE									
RECEPTACLES 63	1,080	20/1	25	1,440			26	20/1	360	PRIVATE ROOM 703 RECEPTACLES									
RECEPTACLES 737	540	20/1	27		2,040		28	20/1	1,500	PRIVATE ROOM 703 BATH RECEPTACLE									
COURTYARD LV LIGHTING TRANSFORMER	500	20/1	29			860	30	20/1	360	PRIVATE ROOM 704 RECEPTACLES									
RECEPTACLES 737,738	1,260	20/1	31	2,760			32	20/1	1,500	PRIVATE ROOM 704 BATH RECEPTACLE									
RECEPTACLES 66,67	360	20/1	33		720		34	20/1	360	PRIVATE ROOM 705 RECEPTACLES									
ITEM 13 64	500	20/1	35			2,000	36	20/1	1,500	PRIVATE ROOM 705 BATH RECEPTACLE									
ITEM 10 64	500	20/1	37	860			38	20/1	360	PRIVATE ROOM 706 RECEPTACLES									
RECEPTACLES 64	360	20/1	39		1,860		40	20/1	1,500	PRIVATE ROOM 706 BATH RECEPTACLE									
RECEPTACLES 837	900	20/1	41			1,260	42	20/1	360	PRIVATE ROOM 707 RECEPTACLES									
EXTERIOR RECEPTACLES	360	20/1	43	1,860			44	20/1	1,500	PRIVATE ROOM 707 BATH RECEPTACLE									
RECEPTACLE 64	180	20/1	45		540		46	20/1	360	PRIVATE ROOM 708 RECEPTACLES									
SPARE		20/1	47			1,500	48	20/1	1,500	PRIVATE ROOM 708 BATH RECEPTACLE									
SPARE		20/1	49	360			50	20/1	360	TELEVISION SETS RECEPTACLE 58									
SPARE		20/1	51		360		52	20/1	360	TELEVISION SETS RECEPTACLE 58									
HOT FOOD TABLE (3) 64	2,125	30/2	53			2,845	54	20/1	720	RECEPTACLES 58									
|	2,125	|	55	2,125			56	20/1		SPARE									
TOASTER CONVECTION (2) 64	1,248	20/2	57		1,248		58	20/1		SPARE									
|	1,248	|	59			1,248	60	20/1		SPARE									

	15,125	13,568	16,613	TTL PHASE VA
	126	113	138	T

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433 ROBERT M. CLAYTON
9/25/2026

09-29-2026 BID

Panel ND

TYPE:	208	120	VOLTS, 3	PHASE, 4	WIRE	PROVIDE	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE				IF	XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	BOTTOM				CHECKED		ULSE LABEL
	NEMA -	1	ENCLOSURE					ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
PRIVATE ROOM 501 RECEPTACLES	360	20/1	1	720			2	20/1	360	PRIVATE ROOM 605 RECEPTACLES
PRIVATE ROOM 501 BATH RECEPTACLE	1,500	20/1	3		3,000		4	20/1	1,500	PRIVATE ROOM 605 BATH RECEPTACLE
PRIVATE ROOM 502 RECEPTACLES	360	20/1	5			720	6	20/1	360	PRIVATE ROOM 606 RECEPTACLES
PRIVATE ROOM 502 BATH RECEPTACLE	1,500	20/1	7	3,000			8	20/1	1,500	PRIVATE ROOM 606 BATH RECEPTACLE
PRIVATE ROOM 503 RECEPTACLES	360	20/1	9		720		10	20/1	360	PRIVATE ROOM 607 RECEPTACLES
PRIVATE ROOM 503 BATH RECEPTACLE	1,500	20/1	11			3,000	12	20/1	1,500	PRIVATE ROOM 607 BATH RECEPTACLE
PRIVATE ROOM 504 RECEPTACLES	360	20/1	13	720			14	20/1	360	PRIVATE ROOM 608 RECEPTACLES
PRIVATE ROOM 504 BATH RECEPTACLE	1,500	20/1	15		3,000		16	20/1	1,500	PRIVATE ROOM 608 BATH RECEPTACLE
PRIVATE ROOM 505 RECEPTACLES	360	20/1	17			720	18	20/1	360	PRIVATE ROOM 301 RECEPTACLES
PRIVATE ROOM 505 BATH RECEPTACLE	1,500	20/1	19	3,000			20	20/1	1,500	PRIVATE ROOM 301 BATH RECEPTACLE
PRIVATE ROOM 506 RECEPTACLES	360	20/1	21		720		22	20/1	360	PRIVATE ROOM 302 RECEPTACLES
PRIVATE ROOM 506 BATH RECEPTACLE	1,500	20/1	23			3,000	24	20/1	1,500	PRIVATE ROOM 302 BATH RECEPTACLE
PRIVATE ROOM 507 RECEPTACLES	360	20/1	25	720			26	20/1	360	PRIVATE ROOM 303 RECEPTACLES
PRIVATE ROOM 507 BATH RECEPTACLE	1,500	20/1	27		3,000		28	20/1	1,500	PRIVATE ROOM 303 BATH RECEPTACLE
PRIVATE ROOM 508 RECEPTACLES	360	20/1	29			720	30	20/1	360	PRIVATE ROOM 304 RECEPTACLES
PRIVATE ROOM 508 BATH RECEPTACLE	360	20/1	31	1,860			32	20/1	1,500	PRIVATE ROOM 304 BATH RECEPTACLE
PRIVATE ROOM 509 RECEPTACLES	1,500	20/1	33		1,860		34	20/1	360	PRIVATE ROOM 305 RECEPTACLES
PRIVATE ROOM 509 BATH RECEPTACLE	360	20/1	35			1,860	36	20/1	1,500	PRIVATE ROOM 305 BATH RECEPTACLE
PRIVATE ROOM 510 RECEPTACLES	1,500	20/1	37	1,860			38	20/1	360	PRIVATE ROOM 306 RECEPTACLES
PRIVATE ROOM 510 BATH RECEPTACLE	360	20/1	39		1,860		40	20/1	1,500	PRIVATE ROOM 306 BATH RECEPTACLE
ATTIC LIGHTING	350	20/1	41			1,070	42	20/1	720	RECEPTACLES 35
ATTIC RECEPTACLES	1,440	20/1	43	1,800			44	20/1	360	TELEVISION SETS RECEPTACLE 35
LIGHTING 43,33,47,48,53,53B	818	20/1	45		1,178		46	20/1	360	TELEVISION SETS RECEPTACLE 35
LIGHTING CORRIDOR 81,317,429, 521	1,053	20/1	47			1,233	48	20/1	180	COURTYARD RECEPTACLE
LIGHTING 31,32,33,37,38,39,40,41,42	583	20/1	49	583			50	20/1		SPARE
LIGHTING 4,5,36	1,378	20/1	51		1,378		52	20/1		SPARE
1 RECEPTACLES EXTERIOR HVAC	900	20/1	53			900	54	20/1		SPARE
PANEL "ND2"	17,812	150/3	55	17,812			56	20/1		SPARE
|	18,052	|	57		18,052		58	20/1		SPARE
|	13,512	|	59			13,512	60	20/1		SPARE
NOTES (AS APPLICABLE):				32,075	34,768	26,735	TTL PHASE VA		225	A. BUS (COPPER, UNO)
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				267	290	223	TTL PHASE AMPS		225	A. MAIN LUGS AND/OR FEEDER RATING
2. GFCI CIRCUIT BREAKER.				34%	37%	29%	PHASE BALANCE		14	KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 80,240			
RECEPTACLES FIRST 10 KVA	10,000	1.00	10,000
RECEPTACLES > 10 KVA	70,240	0.50	35,120
LIGHTING	12,618	1.25	15,773
MISCELLANEOUS EQUIPMENT	0	1.00	0
OTHER EQUIPMENT (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	0	1.25	0
HVAC EQUIPMENT (FLA = MCA X 0.8)	0	1.00	0
KITCHEN EQUIPMENT 1	720	1.00	720
TOTAL CONNECTED (VA)	93,578		
TOTAL DEMAND (VA)			61,613
TOTAL DEMAND (AMPERES)			171.0
PANEL DEMAND LOADING VS RATING	76.0%		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.
4. KITCHEN EQUIPMENT DEMAND FACTOR PER NEC TABLE 220.56.

Panel ND2

TYPE:	208	120	VOLTS, 3	PHASE, 4	WIRE	PROVIDE	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE				IF	XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	TOP				CHECKED		ULSE LABEL
	NEMA -	1	ENCLOSURE					ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
PRIVATE ROOM 401 RECEPTACLES	360	20/1	1	720			2	20/1	360	PRIVATE ROOM 411 RECEPTACLES
PRIVATE ROOM 401 BATH RECEPTACLE	1,500	20/1	3		3,000		4	20/1	1,500	PRIVATE ROOM 411 BATH RECEPTACLE
PRIVATE ROOM 402 RECEPTACLES	360	20/1	5			720	6	20/1	360	PRIVATE ROOM 412 RECEPTACLES
PRIVATE ROOM 402 BATH RECEPTACLE	1,500	20/1	7	3,000			8	20/1	1,500	PRIVATE ROOM 412 BATH RECEPTACLE
PRIVATE ROOM 403 RECEPTACLES	360	20/1	9		720		10	20/1	360	PRIVATE ROOM 413 RECEPTACLES
PRIVATE ROOM 403 BATH RECEPTACLE	1,500	20/1	11			3,000	12	20/1	1,500	PRIVATE ROOM 413 BATH RECEPTACLE
PRIVATE ROOM 404 RECEPTACLES	360	20/1	13	720			14	20/1	360	PRIVATE ROOM 414 RECEPTACLES
PRIVATE ROOM 404 BATH RECEPTACLE	1,500	20/1	15		3,000		16	20/1	1,500	PRIVATE ROOM 414 BATH RECEPTACLE
PRIVATE ROOM 405 RECEPTACLES	360	20/1	17			720	18	20/1	360	PRIVATE ROOM 307 RECEPTACLES
PRIVATE ROOM 405 BATH RECEPTACLE	1,500	20/1	19	3,000			20	20/1	1,500	PRIVATE ROOM 307 BATH RECEPTACLE
PRIVATE ROOM 406 RECEPTACLES	360	20/1	21		720		22	20/1	360	PRIVATE ROOM 308 RECEPTACLES
PRIVATE ROOM 406 BATH RECEPTACLE	1,500	20/1	23			3,000	24	20/1	1,500	PRIVATE ROOM 308 BATH RECEPTACLE
PRIVATE ROOM 407 RECEPTACLES	360	20/1	25	720			26	20/1	360	RECEPTACLES 31,32
PRIVATE ROOM 407 BATH RECEPTACLE	1,500	20/1	27		1,860		28	20/1	360	RECEPTACLES 34,41
PRIVATE ROOM 408 RECEPTACLES	360	20/1	29			1,080	30	20/1	720	RECEPTACLES 33
PRIVATE ROOM 408 BATH RECEPTACLE	1,500	20/1	31	2,760			32	20/1	1,260	RECEPTACLES 37,38,39,317,521
PRIVATE ROOM 409 RECEPTACLES	360	20/1	33		1,080		34	20/1	720	RECEPTACLES, FLOORBOXES 40
PRIVATE ROOM 409 BATH RECEPTACLE	1,500	20/1	35			2,040	36	20/1	540	RECEPTACLES, FIREPLACE 40
PRIVATE ROOM 410 RECEPTACLES	360	20/1	37	1,800			38	20/1	1,440	RECEPTACLES 429,617
PRIVATE ROOM 410 BATH RECEPTACLE	1,500	20/1	39		2,220		40	20/1	720	RECEPTACLES 42
COURTYARD RECEPTACLE	360	20/1	41			1,080	42	20/1	720	RECEPTACLES, FLOORBOXES 36
PRIVATE ROOM 401-408 LIGHTING	1,776	20/1	43	2,316			44	20/1	540	RECEPTACLES, FIREPLACE 36
PRIVATE ROOM 409-414 LIGHTING	1,776	20/1	45		2,676		46	20/1	900	RECEPTACLES 4
PRIVATE ROOM 501,502,605-608 LIGHTING	1,332	20/1	47			1,872	48	20/1	540	RECEPTACLES 4
PRIVATE ROOM 301-308 LIGHTING	1,776	20/1	49	2,776			50	20/1	1,000	ICE CREAM FREEZER 4
PRIVATE ROOM 503-510 LIGHTING	1,776	20/1	51		2,776		52	20/1	1,000	ICE CREAM FREEZER 4
SPARE		20/1	53			0	54	20/1		SPARE
SPARE		20/1	55	0			56	20/1		SPARE
SPARE		20/1	57		0		58	20/1		SPARE
SPARE		20/1	59			0	60	20/1		SPARE
NOTES (AS APPLICABLE):				17,812	18,052	13,512	TTL PHASE VA		225	A. BUS (COPPER, UNO)
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				148	150	113	TTL PHASE AMPS		150	A. MAIN LUGS AND/OR FEEDER RATING
2. GFCI CIRCUIT BREAKER.				36%	37%	27%	PHASE BALANCE		14	KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 40,220			
RECEPTACLES FIRST 10 KVA	10,000	1.00	10,000
RECEPTACLES > 10 KVA	30,220	0.50	15,110
LIGHTING	8,436	1.25	10,545
MISCELLANEOUS EQUIPMENT	0	1.00	0
OTHER EQUIPMENT (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	0	1.25	0
HVAC EQUIPMENT (FLA = MCA X 0.8)	0	1.00	0
KITCHEN EQUIPMENT 1	720	1.00	720
TOTAL CONNECTED (VA)	49,376		
TOTAL DEMAND (VA)			36,375
TOTAL DEMAND (AMPERES)			101.0
PANEL DEMAND LOADING VS RATING	67.3%		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.
4. KITCHEN EQUIPMENT DEMAND FACTOR PER NEC TABLE 220.56.

Panel NE

TYPE:	208	120	VOLTS, 3	PHASE, 4	WIRE	PROVIDE	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE				IF	XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	BOTTOM				CHECKED		ULSE LABEL
	NEMA -	1	ENCLOSURE					ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
PRIVATE ROOM 101 RECEPTACLES	720	20/1	1	1,440			2	20/1	720	PRIVATE ROOM 108 RECEPTACLES
PRIVATE ROOM 101 BATH RECEPTACLE	1,500	20/1	3		3,000		4	20/1	1,500	PRIVATE ROOM 108 BATH RECEPTACLE
PRIVATE ROOM 101 UC REFRIG	360	20/1	5			720	6	20/1	360	PRIVATE ROOM 108 UC REFRIG
PRIVATE ROOM 102 RECEPTACLE	720	20/1	7	1,440			8	20/1	720	PRIVATE ROOM 109 RECEPTACLES
PRIVATE ROOM 102 BATH RECEPTACLES	1,500	20/1	9		3,000		10	20/1	1,500	PRIVATE ROOM 109 BATH RECEPTACLE
PRIVATE ROOM 102 UC REFRIG	360	20/1	11			720	12	20/1	360	PRIVATE ROOM 109 UC REFRIG
PRIVATE ROOM 103 RECEPTACLE	720	20/1	13	1,440			14	20/1	720	PRIVATE ROOM 110 RECEPTACLES
PRIVATE ROOM 103 BATH RECEPTACLES	1,500	20/1	15		3,000		16	20/1	1,500	PRIVATE ROOM 110 BATH RECEPTACLE
PRIVATE ROOM 103 UC REFRIG	360	20/1	17			720	18	20/1	360	PRIVATE ROOM 110 UC REFRIG
PRIVATE ROOM 104 RECEPTACLE	720	20/1	19	1,440			20	20/1	720	PRIVATE ROOM 111 RECEPTACLES
PRIVATE ROOM 104 BATH RECEPTACLES	1,500	20/1	21		3,000		22	20/1	1,500	PRIVATE ROOM 111 BATH RECEPTACLE
PRIVATE ROOM 104 UC REFRIG	360	20/1	23			720	24	20/1	360	PRIVATE ROOM 111 UC REFRIG
PRIVATE ROOM 105 RECEPTACLE	720	20/1	25	1,440			26	20/1	720	PRIVATE ROOM 112 RECEPTACLES
PRIVATE ROOM 105 BATH RECEPTACLES	1,500	20/1	27		3,000		28	20/1	1,500	PRIVATE ROOM 112 BATH RECEPTACLE
PRIVATE ROOM 105 UC REFRIG	360	20/1	29			720	30	20/1	360	PRIVATE ROOM 112 UC REFRIG
PRIVATE ROOM 106 RECEPTACLE	720	20/1	31	1,440			32	20/1	720	PRIVATE ROOM 113 RECEPTACLES
PRIVATE ROOM 107 BATH RECEPTACLES	1,500	20/1	33		3,000		34	20/1	1,500	PRIVATE ROOM 113 BATH RECEPTACLE
PRIVATE ROOM 107 UC REFRIG	360	20/1	35			720	36	20/1	360	PRIVATE ROOM 113 UC REFRIG
PRIVATE ROOM 107 RECEPTACLE	720	20/1	37	1,440			38	20/1	720	PRIVATE ROOM 114 RECEPTACLES
PRIVATE ROOM 102 BATH RECEPTACLES	1,500	20/1	39		3,000		40	20/1	1,500	PRIVATE ROOM 114 BATH RECEPTACLE
PRIVATE ROOM 102 UC REFRIG	360	20/1	41			720	42	20/1	360	PRIVATE ROOM 114 UC REFRIG
ATTIC RECEPTACLES	900	20/1	43	1,620			44	20/1	720	RECEPTACLES 29
VRF SYSTEM CONTROL POWER	200	20/1	45		560		46	20/1	360	TELEVISION SETS RECEPTACLE 29
ATTIC LIGHTING	252	20/1	47			612	48	20/1	360	TELEVISION SETS RECEPTACLE 29
LIGHTING 20,20A,21,22,23,24,25,26,27,30,	1,512	20/1	49	3,288			50	20/1	1,776	PRIVATE ROOM 101-108 LIGHTING
LIGHTING CORRIDOR 217,133,134	730	20/1	51		2,062		52	20/1	1,332	PRIVATE ROOM 108-114 LIGHTING
1 RECEPTACLES EXTERIOR HVAC	720	20/1	53			2,496	54	20/1	1,776	PRIVATE ROOM 201-208 LIGHTING
SPARE		20/1	55	0			56	20/1		SPARE
SPARE		20/1	57		0		58	20/1		SPARE
SPARE		20/1	59			0	60	20/1		SPARE
PANEL "NE2"	13,048	125/3	61	13,048			62	20/1		SPARE
|	21,825	|	63		21,825		64	20/1		SPARE
|	11,473	|	65			11,473	66	20/1		SPARE
NOTES (AS APPLICABLE):				28,036	45,447	19,621	TTL PHASE VA		225	A. BUS (COPPER, UNO)
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				234	379	164	TTL PHASE AMPS		225	A. MAIN LUGS AND/OR FEEDER RATING
2. GFCI CIRCUIT BREAKER.				30%	49%	21%	PHASE BALANCE		14	KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 75,280			
RECEPTACLES FIRST 10 KVA	10,000	1.00	10,000
RECEPTACLES > 10 KVA	65,280	0.50	32,640
LIGHTING	7,878	1.25	9,848
MISCELLANEOUS EQUIPMENT	200	1.00	200
OTHER EQUIPMENT (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	0	1.25	0
HVAC EQUIPMENT (FLA = MCA X 0.8)	0	1.00	0
KITCHEN EQUIPMENT 4	9,746	0.80	7,797
TOTAL CONNECTED (VA)	93,104		
TOTAL DEMAND (VA)			60,484
TOTAL DEMAND (AMPERES)			167.9
PANEL DEMAND LOADING VS RATING	74.6%		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.
4. KITCHEN EQUIPMENT DEMAND FACTOR PER NEC TABLE 220.56.

Panel NE2

TYPE:	208	120	VOLTS, 3	PHASE, 4	WIRE	PROVIDE	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE				IF	XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	TOP				CHECKED		ULSE LABEL
	NEMA -	1	ENCLOSURE					ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
PRIVATE ROOM 115 RECEPTACLES	720	20/1	1	1,440			2	20/1	720	PRIVATE ROOM 207 RECEPTACLES
PRIVATE ROOM 115 BATH RECEPTACLE	1,500	20/1	3		3,000		4	20/1	1,500	PRIVATE ROOM 207 BATH RECEPTACLE
PRIVATE ROOM 115 UC REFRIG	360	20/1	5			720	6	20/1	360	PRIVATE ROOM 207 US REFRIG
PRIVATE ROOM 116 RECEPTACLE	720	20/1	7	1,440			8	20/1	720	PRIVATE ROOM 208 RECEPTACLES
PRIVATE ROOM 116 BATH RECEPTACLES	1,500	20/1	9		3,000		10	20/1	1,500	PRIVATE ROOM 208 BATH RECEPTACLE
PRIVATE ROOM 115 UC REFRIG	360	20/1	11			720	12	20/1	360	PRIVATE ROOM 208 US REFRIG
PRIVATE ROOM 201 RECEPTACLE	720	20/1	13	1,080			14	20/1	360	RECEPTACLES 217
PRIVATE ROOM 201 BATH RECEPTACLES	1,500	20/1	15		2,220		16	20/1	720	REDEPTACLES 133
PRIVATE ROOM 201 UC REFRIG	360	20/1	17			1,080	18	20/1	720	RECEPTALES, FLOORBOXES 19
PRIVATE ROOM 202 RECEPTACLE	720	20/1	19	1,100			20	20/1	380	RECEPTACLE, FIREPLANCE 19
PRIVATE ROOM 202 BATH RECEPTACLES	1,500	20/1	21		2,040		22	20/1	540	RECEPTACLES 18
PRIVATE ROOM 202 UC REFRIG	360	20/1	23			1,980	24	20/1	1,620	RECEPTACLES 26,27,134,217,317
PRIVATE ROOM 203 RECEPTACLE	720	20/1	25	1,440			26	20/1	720	RECEPTACLES 23
PRIVATE ROOM 203 BATH RECEPTACLES	1,500	20/1	27		2,040		28	20/1	540	RECEPTACLESA 24,28,30
PRIVATE ROOM 203 UC REFRIG	360	20/1	29			1,260	30	20/1	900	RECEPTACLES 22,20,20A
PRIVATE ROOM 204 RECEPTACLE	720	20/1	31	1,440			32	20/1	720	RECEPTACLES 20A
PRIVATE ROOM 204 BATH RECEPTACLES	1,500	20/1	33		2,060		34	20/1	560	RECEPTACLES, FIREPLACE 20,20A
PRIVATE ROOM 204 UC REFRIG	360	20/1	35			1,620	36	20/1	1,260	RECEPTACLES 20,20A
PRIVATE ROOM 205 RECEPTACLE	720	20/1	37	1,440			38	20/1	720	RECEPTACLES 21
PRIVATE ROOM 204 BATH RECEPTACLES	1,500	20/1	39		1,500		40	20/1		SPARE
PRIVATE ROOM 205 UC REFRIG	360	20/1	41			360	42	20/1		SPARE
PRIVATE ROOM 206 RECEPTACLE	720	20/1	43	720			44	20/1		SPARE
PRIVATE ROOM 207 BATH RECEPTACLES	1,500	20/1	43		2,040		46	20/1	540	EXTERIOR RECEPTACLES
PRIVATE ROOM 208 UC REFRIG	360	20/1	47			360	48	20/1		SPARE
HOLDING CABINET (9) 21	1200	20/1	49	1,700			50	20/1	500	COURTYARD LV LIGHTING TRANSFORMER
PANINI PRESS (1) 21	1800	20/1	51		1,800		52	20/1		SPARE
CONVECTION TOASTER (2) 22 (NOTE 2)	1,248	20/2	53			1,248	54	20/1		SPARE
|	1,248	|	55	1,248			56	20/1		SPARE
HOT FOOD TABLE (3) 21 (NOTE 2)	2,125	30/2	57		2,125		58	20/1		SPARE
|	2,125	|	59			2,125	60	20/1		SPARE
NOTES (AS APPLICABLE):				13,048	21,825	11,473	TTL PHASE VA		225	A. BUS (COPPER, UNO)
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				109	182	96	TTL PHASE AMPS		125	A. MAIN LUGS AND/OR FEEDER RATING
2. GFCI CIRCUIT BREAKER.				28%	47%	25%	PHASE BALANCE		14	KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 36,100			
RECEPTACLES FIRST 10 KVA	10,000	1.00	10,000
RECEPTACLES > 10 KVA	26,100	0.50	13,050
LIGHTING	500	1.25	625
MISCELLANEOUS EQUIPMENT	0	1.00	0
OTHER EQUIPMENT (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	0	1.25	0
HVAC EQUIPMENT (FLA = MCA X 0.8)	0	1.00	0
KITCHEN EQUIPMENT 4	9,746	0.80	7,797
TOTAL CONNECTED (VA)	46,346		
TOTAL DEMAND (VA)			31,472
TOTAL DEMAND (AMPERES)			87.4
PANEL DEMAND LOADING VS RATING	69.9%		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.
4. KITCHEN EQUIPMENT DEMAND FACTOR PER NEC TABLE 220.56.

NOTE: ARRANGE PANELBOARD BRANCH CIRCUIT BREAKERS AS SHOWN ON THE ABOVE SCHEDULES. AGREEMENT OF CIRCUIT BREAKER (POLE) NUMBERS WITH THE PANEL SCHEDULES AND ELECTRICAL FLOOR PLANS IS REQUIRED IN ORDER TO AVOID CONFUSION DURING CONSTRUCTION, REDRAWING THE CIRCUITRY FOR RECORD DRAWING PURPOSES AND ACCURATE DOCUMENTATION OF THE AS-BUILT CONDITIONS.

REV	DESCR.	DATE
1	REVISIONS PER PLAN REVIEW	09.29.2026

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09-29-2026 BID

Panel NG

TYPE:	208	120	VOLTS	3	PHASE	4	WIRE	PROVIDE	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE						IF	XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	BOTTOM						CHECKED		ULSE LABEL
	NEMA -	1	ENCLOSURE							ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
GEN BATTERY CHRAGER	200	20/1	1	740			2	20/1	540	RECEPTACLES 51,52
TEMP GEN BATTERY CHARGER	200	20/1	3		380		4	20/1	180	EXTERIOR REECEPTACLE
GEN BLOCK HEATER (NOTE 3)	1,250	30/2	5			1,250	6	20/1		SPARE
|	1,250	|	7	1,250			8	20/1		SPARE
TEMP GEN BLOCK HEATER (NOTE 3)	1,250	30/2	9		1,250		10	20/1		SPARE
|	1,250	|	11			1,250	12	20/1		SPARE
SPARE		20/1	13	0			14	20/1		SPARE
SPARE		20/1	15		0		16	20/1		SPARE
SPARE		20/1	17			0	18	20/1		SPARE
				1,990	1,630	2,500	TTL PHASE VA		60	A. BUS (COPPER, UNO)
				17	14	21	TTL PHASE AMPS		60	A. MAIN LUGS AND/OR FEEDER RATING
				33%	27%	41%	PHASE BALANCE		30	KAIC MINIMUM RATING

NOTES (AS APPLICABLE):
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.
2. GFCI CIRCUIT BREAKER.

ADDITIONAL NOTES (AS APPLICABLE):
3. GFPE CIRCUIT BREAKER.

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 720			
RECEPTACLES FIRST 10 KVA	720	1.00	720
RECEPTACLES > 10 KVA	0	0.50	0
LIGHTING	0	1.25	0
MISCELLANEOUS EQUIPMENT	5,400	1.00	5,400
OTHER EQUIPMENT (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	0	1.25	0
HVAC EQUIPMENT (FLA = MCA X 0.8)	0	1.00	0
KITCHEN EQUIPMENT 0	0	1.00	0
TOTAL CONNECTED (VA)	6,120		
TOTAL DEMAND (VA)			6,120
TOTAL DEMAND (AMPERES)			17.0
PANEL DEMAND LOADING VS RATING	28.3%		

Panel NK

TYPE:	208	120	VOLTS	3	PHASE	4	WIRE	PROVIDE	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE						IF	XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	BOTTOM						CHECKED		ULSE LABEL
	NEMA -	1	ENCLOSURE							ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
FLY FAN (4)	1,680	20/1	1	1,920			2	20/1	240	STEAMER (19) (NOTE 8)
MIXER (8)	720	20/1	3		720		4	20/1		SHUNT TRIP POWER
SLICER (10)	720	20/1	5			1,260	6	20/1	540	RECEPTACLES
FOOD PROCESSOR (11)	1,320	20/1	7	1,320			8	20/1		SPARE
COFFEE BREWER (44)	1,320	20/1	9		2,520		10	20/1	1,200	MOBILE HEATED CABINET (47)
TEA BREWER (43)	1,200	20/1	11			1,200	12	20/1		SPARE
FOOD TRANSPORT (46)	1,200	20/1	13	1,200			14	20/1		SPARE
FOOD TRANSPORT (47)	1,200	20/1	15		3,280		16	30/2	2,080	COFFEE (37) (NOTE 2)
FOOD TRANSPORT (46)	1,200	20/1	17			3,280	18	|	2,080	|
FOOD TRANSPORT (46)	1,200	20/1	19	3,280			20	30/2	2,080	COFFEE (37) (NOTE 2)
1 DISHWASHER CONDENSATE HOOD (60) (NOTE 2)	720	20/1	21		2,800		22	|	2,080	|
SPARE		20/1	23			2,080	24	30/2	2,080	COFFEE (37) (NOTE 2)
SPARE		20/1	25	2,080			26	|	2,080	|
1 HOT FOOD TABLE (34) (NOTE 2)	2,080	30/2	27		4,160		28	30/2	2,080	COFFEE GRINDER (38) (NOTE 2)
|	2,080	|	29			4,160	30	|	2,080	|
1 DISPOSAL (59) (NOTE 2)	480	15/3	31	480			32	30/3		SPARE
|	480	|	33		480		34	|		|
|	480	|	35			480	36	|		|
SPACE		30/3	37	0			38	30/3		SPACE
|		|	39		0		40	|		|
SPACE		|	41			0	42	|		|
1 DW BOOSTER HEATER (63) (NOTE 2)	13,000	150/3	43	20,000			44	90/3	7,000	DISHWASHER (61) (NOTE 2)
|	13,000	|	45		20,000		46	|	7,000	|
|	13,000	|	47			20,000	48	|	7,000	|
SPARE		30/3	49	0			50	30/3		SPARE
|		|	51		0		52	|		|
|		|	53			0	54	|		|
				30,280	33,960	32,460	TTL PHASE VA		400	A. BUS (COPPER, UNO)
				252	283	271	TTL PHASE AMPS		250	A. MAIN LUGS AND/OR FEEDER RATING
				31%	35%	34%	PHASE BALANCE		42	KAIC MINIMUM RATING

NOTES (AS APPLICABLE):
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.
2. GFCI CIRCUIT BREAKER.

ADDITIONAL NOTES (AS APPLICABLE):
3. NUMBERS IN PARENTHESIS REPRESENT KITCHEN EQUIPMENT NUMBERS.
4. PROVIDE CIRCUIT BREAKER LOCKING DEVICE WHERE NOTED AND FOR FACU AND UNIT TYPE SMOKE DETECTOR CIRCUITS.
5. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.
6. PROVIDE GFPE CIRCUIT BREAKERS FOR KITCHEN EQUIPMENT AS REQUIRED BY NEC ARTICLE 210.8(B)
7. KITCHEN EQUIPMENT DEMAND FACTOR PER NEC TABLE 220.56.
8. PROVIDE CB WITH SHUNT TRIP ACCESSORY.

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 540			
RECEPTACLES FIRST 10 KVA	540	1.00	540
RECEPTACLES > 10 KVA	0	0.50	0
LIGHTING	0	1.25	0
MISCELLANEOUS EQUIPMENT	0	1.00	0
OTHER EQUIPMENT (CONTINUOUS)	1,680	1.25	2,100
LARGEST MOTOR	1,440	1.25	1,800
HVAC EQUIPMENT (FLA = MCA X 0.8)	0	1.00	0
KITCHEN EQUIPMENT 28	93,040	0.65	60,476
TOTAL CONNECTED (VA)	96,700		
TOTAL DEMAND (VA)			64,916
TOTAL DEMAND (AMPERES)			180.2
PANEL DEMAND LOADING VS RATING	72.1%		

Panel NL

TYPE:	208	120	VOLTS	3	PHASE	4	WIRE	PROVIDE	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE						IF	XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	BOTTOM						CHECKED		ULSE LABEL
	NEMA -	1	ENCLOSURE							ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
RECEPTACLES 38,38A,38B	720	20/1	1	720			2	20/1		SPARE
CHEMICAL EQUIPMENT	200	20/1	3		200		4	20/1		SPARE
RECEPTACLE 53D	180	20/1	5			180	6	20/1		SPARE
RECEPTACLES 44,81	900	20/1	7	900			8	20/1		SPARE
SPARE		20/1	9		0		10	20/1		SPARE
SPARE		20/1	11			0	12	20/1		SPARE
SPARE		20/1	13	0			14	20/1		SPARE
SPARE		20/1	15		0		16	20/1		SPARE
SPARE		20/1	17			0	18	20/1		SPARE
1 WASHER 38 (NOTE 2)	2,200	30/3	19	4,400			20	30/3	2,200	WASHER 38 (NOTE 2)
|	2,200	|	21		4,400		22	|	2,200	|
|	2,200	|	23			4,400	24	|	2,200	|
DRYER 38 (NOTE 2)	400	15/3	25	800			26	15/3	400	DRYER 38 (NOTE 2)
|	400	|	27		800		28	|	400	|
|	400	|	29			800	30	|	400	|
				6,820	5,400	5,380	TTL PHASE VA		100	A. BUS (COPPER, UNO)
				57	45	45	TTL PHASE AMPS		100	A. MAIN LUGS AND/OR FEEDER RATING
				39%	31%	31%	PHASE BALANCE		22	KAIC MINIMUM RATING

NOTES (AS APPLICABLE):
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.
2. PROVIDE GFCI CIRCUIT BREAKERS AS REQUIRED BY THE NEC.

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 2,000			
RECEPTACLES FIRST 10 KVA	2,000	1.00	2,000
RECEPTACLES > 10 KVA	0	0.50	0
LIGHTING	0	1.25	0
MISCELLANEOUS EQUIPMENT	9,000	1.00	9,000
OTHER EQUIPMENT (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	6,600	1.25	8,250
HVAC EQUIPMENT (FLA = MCA X 0.8)	0	1.00	0
KITCHEN EQUIPMENT 0	0	1.00	0
TOTAL CONNECTED (VA)	17,600		
TOTAL DEMAND (VA)			19,250
TOTAL DEMAND (AMPERES)			53.4
PANEL DEMAND LOADING VS RATING	53.4%		

Panel NS

TYPE:	208	120	VOLTS	3	PHASE	4	WIRE	PROVIDE	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE						IF	XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	BOTTOM						CHECKED		ULSE LABEL
	NEMA -	1	ENCLOSURE							ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
ELECTRIC WATER HEATER EWH1	1,500	20/1	1	2,220			2	20/1	720	RECEPTACLES
LIGHTS	344	20/1	3		2,144		4	20/1	1,800	RECEPTACLE
EXTERIOR LIGHTING THRU PC	42	20/1	5			1,842	6	20/1	1,800	RECEPTACLE
SPARE		20/1	7	1,800			8	20/1	1,800	RECEPTACLE
SPARE		20/1	9		1,800		10	20/1	1,800	RECEPTACLE
SPARE		20/1	11			1,152	12	20/1	1,152	THRU WALL UNIT TW-1
SPARE		20/1	13	0			14	20/1		SPARE
SPARE		20/1	15		0		16	20/1		SPARE
SPARE		20/1	17			0	16	20/2		SPARE
SPD		30/3	19	0			20	|		|
|		|	21		0	22	30/2		SPARE	
|		|	23			0	24	|		|
				4,020	3,944	2,994	TTL PHASE VA		100	A. BUS (COPPER, UNO)
				34	33	25	TTL PHASE AMPS		100	A. MAIN CIRCUIT BREAKER
				37%	36%	27%	PHASE BALANCE		10	KAIC MINIMUM RATING

NOTES (AS APPLICABLE):
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 7,920			
RECEPTACLES FIRST 10 KVA	7,920	1.00	7,920
RECEPTACLES > 10 KVA	0	0.50	0
LIGHTING	386	1.25	483
MISCELLANEOUS EQUIPMENT	1,500	1.00	1,500
OTHER EQUIPMENT (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	0	1.25	0
HVAC EQUIPMENT (FLA = MCA X 0.8)	1,152	1.00	1,152
KITCHEN EQUIPMENT 0	0	1.00	0
TOTAL CONNECTED (VA)	10,958		
TOTAL DEMAND (VA)			11,055
TOTAL DEMAND (AMPERES)			30.7
PANEL DEMAND LOADING VS RATING	30.7%		

NOTE: ARRANGE PANELBOARD BRANCH CIRCUIT BREAKERS AS SHOWN ON THE ABOVE SCHEDULES. AGREEMENT OF CIRCUIT BREAKER (POLE) NUMBERS WITH THE PANEL SCHEDULES AND ELECTRICAL FLOOR PLANS IS REQUIRED IN ORDER TO AVOID CONFUSION DURING CONSTRUCTION, REDRAWING THE CIRCUITRY FOR RECORD DRAWING PURPOSES AND ACCURATE DOCUMENTATION OF THE AS-BUILT CONDITIONS.

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REV	DESCR.	DATE
1	REVISIONS PER PLAN REVIEW	09.29.2026

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433 RYAN M. HOLDEN
9/25/2026

09-29-2026 BID

Panel C

TYPE:	208	120	VOLTS, 3 PHASE, 4 WIRE	PROVIDE	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE		IF	XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	BOTTOM		CHECKED		ULSE LABEL
	NEMA -	1	ENCLOSURE			ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
PANEL CA	7,820	100/3	1	24,290			2	150/3	16,470	PANEL CD
|	7,301	|	3		24,685		4	|	17,384	|
|	9,252	|	5			28,885	6	|	19,633	|
PANEL CC	16,496	125/3	7	29,422			8	125/3	12,926	PANEL CE
|	16,396	|	9		31,576		10	|	15,180	|
|	17,512	|	11			33,390	12	|	15,878	|
SPACE		60/3	13	0			14	100/3		SPACE
|		|	15		0		16	|		|
|		|	17			0	18	|		|
SPACE		30/3	19	0			20	30/3		SPD
|		|	21		0		22	|		|
|		|	23			0	24	|		|
SPACE		70/3	25	0			26	70/3		SPACE
|		|	27		0		28	|		|
|		|	29			0	30	|		|
				53,712	56,261	62,275	TTL PHASE VA			
				448	469	519	TTL PHASE AMPS			
				31%	33%	36%	PHASE BALANCE			

NOTES (AS APPLICABLE):
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.
2. GFCI CIRCUIT BREAKER.

400 A. BUS (COPPER, UNO)
400 A. MAIN LUGS AND/OR FEEDER RATING
65 KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 158,596			
RECEPTACLES FIRST 10 KVA	10,000	1.00	10,000
RECEPTACLES > 10 KVA	148,596	0.50	74,298
LIGHTING	10,052	1.25	12,565
MISCELLANEOUS EQUIPMENT	0	1.00	0
OTHER EQUIPMENT (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	0	1.25	0
HVAC EQUIPMENT (FLA = MCA X 0.8)	0	1.00	0
KITCHEN EQUIPMENT 3	3,600	0.90	3,240
TOTAL CONNECTED (VA)	172,248		
TOTAL DEMAND (VA)			100,103
TOTAL DEMAND (AMPERES)			277.9
PANEL DEMAND LOADING VS RATING	69.5%		

ADDITIONAL NOTES (AS APPLICABLE):
3. COORDINATE SPD CIRCUIT BREAKER TRIP WITH SPD PROVIDED.
4. KITCHEN EQUIPMENT DEMAND FACTOR PER NEC TABLE 220.56.

Panel CA

TYPE:	208	120	VOLTS, 3 PHASE, 4 WIRE	PROVIDE	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE		IF	XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	BOTTOM		CHECKED		ULSE LABEL
	NEMA -	1	ENCLOSURE			ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
NURSE CALL RECEPTACLE 73C	180	20/1	1	900			2	20/1	720	RECEPTACLES 70,73A,73B
NURSE CALL RECEPTACLE 73C	180	20/1	3		180		4	20/1		SPARE
RECEPTACLE 73C	180	20/1	5			180	6	20/1		SPARE
SPARE		20/1	7	0			8	20/1		SPARE
SPARE		20/1	9		0		10	20/1		SPARE
RECEPTACLE 73C	180	20/1	11			900	12	20/1	720	MODULAR FURNITURE 73
LIGHTING 2,6, 7,8,10,13,14	876	20/1	13	1,596			14	20/1	720	MODULAR FURNITURE 73
LIGHTING 70,71,72, 73,73A,73B,73C,73D	965	20/1	15		2,045		16	20/1	1,080	MODULAR FURNITURE 73
SPARE		20/1	17			1,080	18	20/1	1,080	MODULAR FURNITURE 73
SPARE		20/1	19	720			20	20/1	720	MODULAR FURNITURE 73
SPARE		20/1	21		0		22	20/1		SPARE
SPARE		20/1	23			0	24	20/1		SPARE
SPARE		20/1	25	0			26	20/1		SPARE
SPARE		20/1	27		0		28	20/1		SPARE
SPARE		20/1	29			0	30	20/1		SPARE
SPARE		20/1	31	0			32	20/1		SPARE
SPARE		20/1	33		0		34	20/1		SPARE
RECEPTACLE 73C	2,496	30/2	35			2,496	36	20/1		SPARE
|	2,496	|	37	4,604			38	60/3	2,108	PANEL CB
RECEPTACLE 73C	2,496	30/2	39		5,076		40	|	2,580	|
|	2,496	|	41			4,596	42	|	2,100	|
				7,820	7,301	9,252	TTL PHASE VA			
				65	61	77	TTL PHASE AMPS			
				32%	30%	38%	PHASE BALANCE			

NOTES (AS APPLICABLE):
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.
2. GFCI CIRCUIT BREAKER.

100 A. BUS (COPPER, UNO)
100 A. MAIN LUGS AND/OR FEEDER RATING
10 KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 18,744			
RECEPTACLES FIRST 10 KVA	10,000	1.00	10,000
RECEPTACLES > 10 KVA	8,744	0.50	4,372
LIGHTING	2,029	1.25	2,536
MISCELLANEOUS EQUIPMENT	0	1.00	0
OTHER EQUIPMENT (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	0	1.25	0
HVAC EQUIPMENT (FLA = MCA X 0.8)	0	1.00	0
KITCHEN EQUIPMENT 3	3,600	0.90	3,240
TOTAL CONNECTED (VA)	24,373		
TOTAL DEMAND (VA)			20,148
TOTAL DEMAND (AMPERES)			55.9
PANEL DEMAND LOADING VS RATING	55.9%		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.
4. KITCHEN EQUIPMENT DEMAND FACTOR PER NEC TABLE 220.56.

Panel CB

TYPE:	208	120	VOLTS, 3 PHASE, 4 WIRE	PROVIDE	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE		IF	XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	BOTTOM		CHECKED		ULSE LABEL
	NEMA -	1	ENCLOSURE			ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
LIGHTING 16B,16E,17	188	20/1	1	1,388			2	20/1	1,200	REFRIGERATOR 2 (NOTE 2)
SPARE		20/1	3		1,200		4	20/1	1,200	ICE MAKER 2 (NOTE 2)
SPARE		20/1	5			1,200	6	20/1	1,200	REFRIG. BAKERY CABINET 2
SPARE		20/1	7	360			8	20/1	360	RECEPTACLES 6,9
SPARE		20/1	9		180		10	20/1	180	RECEPTACLE12
SPARE		20/1	11			360	12	20/1	360	RECEPTACLES 13,14,15
SPARE		20/1	13	360			14	20/1	360	RECEPTACLE 16
SPARE		20/1	15		1,200		16	20/1	1,200	REFRIGERATOR 16A
SPARE		20/1	17			540	18	20/1	540	RECEPTACLE 17
SPARE		20/1	19	0			20	20/1		SPARE
SPARE		20/1	21		0		22	20/1		SPARE
SPARE		20/1	23			0	24	20/1		SPARE
				2,108	2,580	2,100	TTL PHASE VA			
				18	22	18	TTL PHASE AMPS			
				31%	38%	31%	PHASE BALANCE			

NOTES (AS APPLICABLE):
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.
2. GFCI CIRCUIT BREAKER.

60 A. BUS (COPPER, UNO)
60 A. MAIN LUGS AND/OR FEEDER RATING
10 KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 3,000			
RECEPTACLES FIRST 10 KVA	3,000	1.00	3,000
RECEPTACLES > 10 KVA	0	0.50	0
LIGHTING	188	1.25	235
MISCELLANEOUS EQUIPMENT	0	1.00	0
OTHER EQUIPMENT (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	0	1.25	0
HVAC EQUIPMENT (FLA = MCA X 0.8)	0	1.00	0
KITCHEN EQUIPMENT 3	3,600	0.90	3,240
TOTAL CONNECTED (VA)	6,788		
TOTAL DEMAND (VA)			6,475
TOTAL DEMAND (AMPERES)			18.0
PANEL DEMAND LOADING VS RATING	30.0%		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.
4. KITCHEN EQUIPMENT DEMAND FACTOR PER NEC TABLE 220.56.

Panel CC

TYPE:	208	120	VOLTS, 3 PHASE, 4 WIRE	PROVIDE	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE		IF	XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	BOTTOM		CHECKED		ULSE LABEL
	NEMA -	1	ENCLOSURE			ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
PRIVATE ROOM 801 RECEPTACLES	360	20/1	1	720			2	20/1	360	PRIVATE ROOM 811 RECEPTACLES
PRIVATE ROOM 801 BATH RECEPTACLE	500	20/1	3		1,000		4	20/1	500	PRIVATE ROOM 811 BED RECEPTACLE
PRIVATE ROOM 802 RECEPTACLES	360	20/1	5			720	6	20/1	360	PRIVATE ROOM 812 RECEPTACLES
PRIVATE ROOM 802 BATH RECEPTACLE	500	20/1	7	1,000			8	20/1	500	PRIVATE ROOM 812 BED RECEPTACLE
PRIVATE ROOM 803 RECEPTACLES	360	20/1	9		720		10	20/1	360	PRIVATE ROOM 813 RECEPTACLES
PRIVATE ROOM 803 BATH RECEPTACLE	500	20/1	11			1,000	12	20/1	500	PRIVATE ROOM 813 BED RECEPTACLE
PRIVATE ROOM 804 RECEPTACLES	360	20/1	13	720			14	20/1	360	PRIVATE ROOM 814 RECEPTACLES
PRIVATE ROOM 804 BATH RECEPTACLE	500	20/1	15		1,000		16	20/1	500	PRIVATE ROOM 814 BED RECEPTACLE
PRIVATE ROOM 805 RECEPTACLES	360	20/1	17			720	18	20/1	360	PRIVATE ROOM 815 RECEPTACLES
PRIVATE ROOM 805 BATH RECEPTACLE	500	20/1	19	1,000			20	20/1	500	PRIVATE ROOM 815 BED RECEPTACLE
PRIVATE ROOM 806 RECEPTACLES	360	20/1	21		720		22	20/1	360	PRIVATE ROOM 816 RECEPTACLES
PRIVATE ROOM 806 BATH RECEPTACLE	500	20/1	23			1,000	24	20/1	500	PRIVATE ROOM 816 BED RECEPTACLE
PRIVATE ROOM 807 RECEPTACLES	360	20/1	25	720			26	20/1	360	PRIVATE ROOM 817 RECEPTACLES
PRIVATE ROOM 807 BATH RECEPTACLE	500	20/1	27		1,000		28	20/1	500	PRIVATE ROOM 817 BED RECEPTACLE
PRIVATE ROOM 808 RECEPTACLES	360	20/1	29			720	30	20/1	360	PRIVATE ROOM 818 RECEPTACLES
PRIVATE ROOM 808 BATH RECEPTACLE	500	20/1	31	1,000			32	20/1	500	PRIVATE ROOM 818 BED RECEPTACLE
PRIVATE ROOM 809 RECEPTACLES	360	20/1	33		360		34	20/1		SPARE
PRIVATE ROOM 809 BATH RECEPTACLE	500	20/1	35			500	36	20/1		SPARE
PRIVATE ROOM 810 RECEPTACLES	360	20/1	37	360			38	20/1		SPARE
PRIVATE ROOM 810 BATH RECEPTACLE	500	20/1	39		500		40	20/1		SPARE
SPARE		20/1	41			0	42	20/1		SPARE
SPARE		20/1	43	0			44	20/1		SPARE
SPARE		20/1	45		0		46	20/1		SPARE
SPARE		20/1	47			0	48	20/1		SPARE
SPARE		20/1	49	0			50	20/1		SPARE
SPARE		20/1	51		0		52	20/1		SPARE
SPARE		20/1	53			0	54	20/1		SPARE
PANEL "CC2"	8,036	100/3	55	10,976			56	60/3	2,940	PANEL "CC3"
|	8,516	|	57		11,096		58	|	2,580	|
|	10,272	|	59			12,852	60	|	2,580	|
				16,496	16,396	17,512	TTL PHASE VA			
				137	137	146	TTL PHASE AMPS			
				33%	33%	35%	PHASE BALANCE			

NOTES (AS APPLICABLE):
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.
2. GFCI CIRCUIT BREAKER.

225 A. BUS (COPPER, UNO)
125 A. MAIN LUGS AND/OR FEEDER RATING
10 KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 50,404			
RECEPTACLES FIRST 10 KVA	10,000	1.00	10,000
RECEPTACLES > 10 KVA	40,404	0.50	20,202
LIGHTING	0	1.25	0
MISCELLANEOUS EQUIPMENT	0	1.00	0
OTHER EQUIPMENT (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	0	1.25	0
HVAC EQUIPMENT (FLA = MCA X 0.8)	0	1.00	0
KITCHEN EQUIPMENT 0	0	1.00	0
TOTAL CONNECTED (VA)	50,404		
TOTAL DEMAND (VA)			30,202
TOTAL DEMAND (AMPERES)			83.8
PANEL DEMAND LOADING VS RATING	67.1%		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.

Panel CC2

TYPE:	208	120	VOLTS, 3 PHASE, 4 WIRE	PROVIDE	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE		IF	XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	TOP		CHECKED		ULSE LABEL
	NEMA -	1	ENCLOSURE			ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
RECEPTACLE 59	360	20/1	1	720			2	20/1	360	PRIVATE ROOM 601 RECEPTACLES
RECEPTACLE 59	360	20/1	3		860		4	20/1	500	PRIVATE ROOM 601 BED RECEPTACLE
PRINTER 59	1,800	20/1	5			2,160	6	20/1	360	PRIVATE ROOM 602 RECEPTACLES
COUNTER TOP REFRIG. 60	1,200	20/1	7	1,700			8	20/1	500	PRIVATE ROOM 602 BED RECEPTACLE
COUNTERTOP FREEZER 60	1,200	20/1	9		1,560		10	20/1	360	PRIVATE ROOM 603 RECEPTACLES
RECEPTACLE 60	180	20/1	11			680	12	20/1	500	PRIVATE ROOM 603 BED RECEPTACLE
RECEPTACLE 60	180	20/1	13	540			14	20/1	360	PRIVATE ROOM 603 RECEPTACLES
COUNTERTOP REFRIG 60	1,200	20/1	15		1,700		16	20/1	500	PRIVATE ROOM 603 BED RECEPTACLE
NURSE CALL RECEPTACLE 58	180	20/1	17			540	18	20/1	360	PRIVATE ROOM 701 RECEPTACLES
NURSE CALL RECEPTACLE 58	180	20/1	19	680			20	20/1	500	PRIVATE ROOM 701 BED RECEPTACLE
RECEPTACLE 58	180	20/1	21		540		22	20/1	360	PRIVATE ROOM 702 RECEPTACLES
RECEPTACLE 58	180	20/1	23			680	24	20/1	500	PRIVATE ROOM 702 BED RECEPTACLE
RECEPTACLE 58	180	20/1	25	540			26	20/1	360	PRIVATE ROOM 703 RECEPTACLES
SPARE		20/1	27		500		28	20/1	500	PRIVATE ROOM 703 BED RECEPTACLE
SPARE		20/1	29			360	30	20/1	360	PRIVATE ROOM 704 RECEPTACLES
SPARE		20/1	31	500			32	20/1	500	PRIVATE ROOM 704 BED RECEPTACLE
SPARE		20/1	33		360		34	20/1	360	PRIVATE ROOM 705 RECEPTACLES
SPARE		20/1	35			500	36	20/1	500	PRIVATE ROOM 705 BED RECEPTACLE
SPARE		20/1	37	360			38	20/1	360	PRIVATE ROOM 706 RECEPTACLES
SPARE		20/1	39		500		40	20/1	500	PRIVATE ROOM 706 BED RECEPTACLE
SPARE		20/1	41			360	42	20/1	360	PRIVATE ROOM 707 RECEPTACLES
SPARE		20/1	43	500			44	20/1	500	PRIVATE ROOM 707 BED RECEPTACLE
SPARE		20/1	45		0		46	20/1		SPARE
SPARE		20/1	47			0	48	20/1		SPARE
SPARE		20/1	49	0			50	20/1		SPARE
SPARE		20/1	51		0		52	20/1		SPARE
SPARE		20/1	53			2,496	54	30/2	2,496	RECEPTACLE 58
SPARE		20/1	55	2,496			56	|	2,496	|
SPARE		20/1	57		2,496		58	30/2	2,496	RECEPTACLE 58
SPARE		20/1	59			2,496	60	|	2,496	|
				8,036	8,516	10,272	TTL PHASE VA			
				67	71	86	TTL PHASE AMPS			
				30%	32%	38%	PHASE BALANCE			

NOTES (AS APPLICABLE):
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.
2. GFCI CIRCUIT BREAKER.

100 A. BUS (COPPER, UNO)
100 A. MAIN LUGS AND/OR FEEDER RATING
10 KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 26,824			
RECEPTACLES FIRST 10 KVA	10,000	1.00	10,000
RECEPTACLES > 10 KVA	16,824	0.50	8,412
LIGHTING	0	1.25	0
MISCELLANEOUS EQUIPMENT	0	1.00	0
OTHER EQUIPMENT (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	0	1.25	0
HVAC EQUIPMENT (FLA = MCA X 0.8)	0	1.00	0
KITCHEN EQUIPMENT 0	0	1.00	0
TOTAL CONNECTED (VA)	26,824		
TOTAL DEMAND (VA)			18,412
TOTAL DEMAND (AMPERES)			51.1
PANEL DEMAND LOADING VS RATING	51.1%		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.

Panel CC3

TYPE:	208	120	VOLTS, 3 PHASE, 4 WIRE	PROVIDE	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE		IF	XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	TOP		CHECKED		ULSE LABEL
	NEMA -	1	ENCLOSURE			ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
SPARE		20/1	1	360			2	20/1	360	PRIVATE ROOM 709 RECEPTACLES
SPARE		20/1	3		500		4	20/1	500	PRIVATE ROOM 709 BED RECEPTACLE
SPARE		20/1	5			360	6	20/1	360	PRIVATE ROOM 710 RECEPTACLES
SPARE		20/1	7	500			8	20/1	500	PRIVATE ROOM 710 BED RECEPTACLE
SPARE		20/1	9		360		10	20/1	360	PRIVATE ROOM 711 RECEPTACLES
SPARE		20/1	11			500	12	20/1	500	PRIVATE ROOM 711 BED RECEPTACLE
SPARE		20/1	13	360			14	20/1	360	PRIVATE ROOM 712 RECEPTACLES
SPARE		20/1	15		500		16	20/1	500	PRIVATE ROOM 712 BED RECEPTACLE
SPARE		20/1	17			360	18	20/1	360	PRIVATE ROOM 713 RECEPTACLES
SPARE		20/1	19	500			20	20/1	500	PRIVATE ROOM 713 BED RECEPTACLE
SPARE		20/1	21		360		22	20/1	360	PRIVATE ROOM 714 RECEPTACLES
SPARE		20/1	23			500	24	20/1	500	PRIVATE ROOM 714 BED RECEPTACLE
SPARE		20/1	25	360			26	20/1	360	PRIVATE ROOM 715 RECEPTACLES
SPARE		20/1	27		500		28	20/1	500	PRIVATE ROOM 715 BED RECEPTACLE
SPARE		20/1	29			360	30	20/1	360	PRIVATE ROOM 716 RECEPTACLES
SPARE		20/1	31	500			32	20/1	500	PRIVATE ROOM 716 BED RECEPTACLE
SPARE		20/1	33		360		34	20/1	360	PRIVATE ROOM 717 RECEPTACLES
SPARE		20/1	35			500	36	20/1	500	PRIVATE ROOM 718 BED RECEPTACLE
SPARE		20/1	37	360			38	20/1	360	PRIVATE ROOM 718 RECEPTACLES
SPARE		20/1	39		0		40	20/1		SPARE
SPARE		20/1	41			0	42	20/1		SPARE
				2,940	2,580	2,580	TTL PHASE VA			
				25	22	22	TTL PHASE AMPS			
				36%	32%	32%	PHASE BALANCE			

NOTES (AS APPLICABLE):
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.
2. GFCI CIRCUIT BREAKER.

60 A. BUS (COPPER, UNO)
60 A. MAIN LUGS AND/OR FEEDER RATING
10 KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 8,100			
RECEPTACLES FIRST 10 KVA	8,100	1.00	8,100
RECEPTACLES > 10 KVA	0	0.50	0
LIGHTING	0	1.25	0
MISCELLANEOUS EQUIPMENT	0	1.00	0
OTHER EQUIPMENT (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	0	1.25	0
HVAC EQUIPMENT (FLA = MCA X 0.8)	0	1.00	0
KITCHEN EQUIPMENT 0	0	1.00	0
TOTAL CONNECTED (VA)	8,100		
TOTAL DEMAND (VA)			8,100
TOTAL DEMAND (AMPERES)			22.5
PANEL DEMAND LOADING VS RATING	37.5%		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.

NOTE: ARRANGE PANELBOARD BRANCH CIRCUIT BREAKERS AS SHOWN ON THE ABOVE SCHEDULES. AGREEMENT OF CIRCUIT BREAKER (POLE) NUMBERS WITH THE PANEL SCHEDULES AND ELECTRICAL FLOOR PLANS IS REQUIRED IN ORDER TO AVOID CONFUSION DURING CONSTRUCTION. REDRAWING THE CIRCUITRY FOR RECORD DRAWING PURPOSES AND ACCURATE DOCUMENTATION OF THE AS-BUILT CONDITIONS.

PRUITTHEALTH
FORSYTH COUNTY, L.L.C.
Winston–Salem, North Carolina

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Architecture Planning Design

REV	DESCR.	DATE
1	REVISIONS PER PLAN REVIEW	09.29.2026

100 BED FACILITY
ELECTRICAL
SCHEDULES

E0.13

Panel CD

TYPE:	208	120	VOLTS,	3	PHASE,	4	WIRE		PROVIDE	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE							IF	XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	BOTTOM							CHECKED		ULSE LABEL
	NEMA -	1	ENCLOSURE								ISOLATED GROUND BAR

	LOAD	CKT BKR	CKT	PHASE LOAD VA			CKT	CKT BKR	LOAD	
LOAD SERVED	VA	POLES/TRIP	#	A	B	C	#	POLES/TRIP	VA	LOAD SERVED
PRIVATE ROOM 501 RECEPTACLES	360	20/1	1	720			2	20/1	360	PRIVATE ROOM 605 RECEPTACLES
PRIVATE ROOM 501 BED RECEPTACLE	500	20/1	3		1,000		4	20/1	500	PRIVATE ROOM 605 BED RECEPTACLE
PRIVATE ROOM 502 RECEPTACLES	360	20/1	5			720	6	20/1	360	PRIVATE ROOM 606 RECEPTACLES
PRIVATE ROOM 502 BED RECEPTACLE	500	20/1	7	1,000			8	20/1	500	PRIVATE ROOM 606 BED RECEPTACLE
PRIVATE ROOM 503 RECEPTACLES	360	20/1	9		720		10	20/1	360	PRIVATE ROOM 607 RECEPTACLES
PRIVATE ROOM 503 BED RECEPTACLE	500	20/1	11			1,000	12	20/1	500	PRIVATE ROOM 607 BED RECEPTACLE
PRIVATE ROOM 504 RECEPTACLES	360	20/1	13	720			14	20/1	360	PRIVATE ROOM 608 RECEPTACLES
PRIVATE ROOM 504 BED RECEPTACLE	500	20/1	15		1,000		16	20/1	500	PRIVATE ROOM 608 BED RECEPTACLE
PRIVATE ROOM 505 RECEPTACLES	360	20/1	17			720	18	20/1	360	PRIVATE ROOM 301 RECEPTACLES
PRIVATE ROOM 505 BED RECEPTACLE	500	20/1	19	1,000			20	20/1	500	PRIVATE ROOM 301 BED RECEPTACLE
PRIVATE ROOM 506 RECEPTACLES	360	20/1	21		720		22	20/1	360	PRIVATE ROOM 302 RECEPTACLES
PRIVATE ROOM 506 BED RECEPTACLE	500	20/1	23			1,000	24	20/1	500	PRIVATE ROOM 302 BED RECEPTACLE
PRIVATE ROOM 507 RECEPTACLES	360	20/1	25	720			26	20/1	360	PRIVATE ROOM 303 RECEPTACLES
PRIVATE ROOM 507 BED RECEPTACLE	500	20/1	27		1,000		28	20/1	500	PRIVATE ROOM 303 BED RECEPTACLE
PRIVATE ROOM 508 RECEPTACLES	360	20/1	29			720	30	20/1	360	PRIVATE ROOM 304 RECEPTACLES
PRIVATE ROOM 508 BED RECEPTACLE	500	20/1	31	1,000			32	20/1	500	PRIVATE ROOM 304 BED RECEPTACLE
PRIVATE ROOM 509 RECEPTACLES	360	20/1	33		720		34	20/1	360	PRIVATE ROOM 305 RECEPTACLES
PRIVATE ROOM 509 BED RECEPTACLE	500	20/1	35			1,000	36	20/1	500	PRIVATE ROOM 305 BED RECEPTACLE
PRIVATE ROOM 510 RECEPTACLES	360	20/1	37	720			38	20/1	360	PRIVATE ROOM 306 RECEPTACLES
PRIVATE ROOM 510 BED RECEPTACLE	500	20/1	39		1,000		40	20/1	500	PRIVATE ROOM 306 BED RECEPTACLE
PRIVATE ROOM 301-308, 605-608 LIGHTING	636	20/1	41			816	42	20/1	180	PRIVATE ROOM 307 RECEPTACLES
PRIVATE ROOM 401-412 LIGHTING	742	20/1	43	922			44	20/1	180	PRIVATE ROOM 307 BED RECEPTACLE
PRIVATE ROOM 501-520 LIGHTING	530	20/1	45		710		46	20/1	180	PRIVATE ROOM 308 RECEPTACLES
ATTIC LIGHTS	870	20/1	47			1,050	48	20/1	180	PRIVATE ROOM 308 BED RECEPTACLE
LIGHTING 41,42,43,44,45,46,47,48,49	1,452	20/1	49	1,652			50	20/1	200	NURSE CALL SYSTEM 35
LIGHTING 31,32, 37,38,	398	20/1	51		598		52	20/1	200	NURSE CALL SYSYEM 35
LIGHTING 54,56, 57,58,59,60,64,66,67	835	20/1	53			835	54	20/1		SPARE
SPARE		20/1	55	0			56	20/1		SPARE
SPARE		20/1	57		180		58	20/1	180	RECEPTACLE 35
RECEPTACLE 35	180	20/1	59			2,676	60	30/2	2,496	RECEPTACLE 35
PANEL "CD2"	5,520	60/3	61	8,016			62	I	2,496	I
I	7,240	I	63		9,736		64	30/2	2,496	RECEPTACLE 35
I	6,600	I	65			9,096	66	I	2,496	I
SPARE		20/1	67	0			68	20/1		SPARE
SPARE		20/1	69		0		70	20/1		SPARE
SPARE		20/1	71			0	72	20/1		SPARE
NOTES (AS APPLICABLE):				16,470	17,384	19,633	TTL PHASE VA			
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				137	145	164	TTL PHASE AMPS			
2. GFCI CIRCUIT BREAKER.				31%	33%	37%	PHASE BALANCE			

225	A. BUS (COPPER, UNO)		
150	A. MAIN LUGS AND/OR FEEDER RATING		
10	KAIC MINIMUM RATING		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.

DEMAND SUMMARY:		CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) =	48,024			
RECEPTACLES FIRST 10 KVA		10,000	1.00	10,000
RECEPTACLES > 10 KVA		38,024	0.50	19,012
LIGHTING		5,463	1.25	6,829
MISCELLANEOUS EQUIPMENT		0	1.00	0
OTHER EQUIPMENT (CONTINUOUS)		0	1.25	0
LARGEST MOTOR		0	1.25	0
HVAC EQUIPMENT (FLA = MCA X 0.8)		0	1.00	0
KITCHEN EQUIPMENT	0	0	1.00	0
TOTAL CONNECTED (VA)		53,487		
TOTAL DEMAND (VA)				35,841
TOTAL DEMAND (AMPERES)				99.5
PANEL DEMAND LOADING VS RATING		66.3%		

Panel CD2

TYPE:	208	120	VOLTS,	3	PHASE,	4	WIRE		PROVIDE	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE							IF	XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	TOP							CHECKED		ULSE LABEL
	NEMA -	1	ENCLOSURE								ISOLATED GROUND BAR

	LOAD	CKT BKR	CKT	PHASE LOAD VA			CKT	CKT BKR	LOAD	
LOAD SERVED	VA	POLES/TRIP	#	A	B	C	#	POLES/TRIP	VA	LOAD SERVED
PRIVATE ROOM 401 RECEPTACLES	360	20/1	1	720			2	20/1	360	PRIVATE ROOM 411 RECEPTACLES
PRIVATE ROOM 401 BED RECEPTACLE	500	20/1	3		1,000		4	20/1	500	PRIVATE ROOM 411 BED RECEPTACLE
PRIVATE ROOM 402 RECEPTACLES	360	20/1	5			720	6	20/1	360	PRIVATE ROOM 412 RECEPTACLES
PRIVATE ROOM 402 BED RECEPTACLE	500	20/1	7	1,000			8	20/1	500	PRIVATE ROOM 412 BED RECEPTACLE
PRIVATE ROOM 403 RECEPTACLES	360	20/1	9		720		10	20/1	360	PRIVATE ROOM 413 RECEPTACLES
PRIVATE ROOM 403 BED RECEPTACLE	500	20/1	11			1,000	12	20/1	500	PRIVATE ROOM 413 BED RECEPTACLE
PRIVATE ROOM 404 RECEPTACLES	360	20/1	13	720			14	20/1	360	PRIVATE ROOM 414 RECEPTACLES
PRIVATE ROOM 404 BED RECEPTACLE	500	20/1	15		1,000		16	20/1	500	PRIVATE ROOM 414 BED RECEPTACLE
PRIVATE ROOM 405 RECEPTACLES	360	20/1	17			720	18	20/1	360	RECEPTACLE 38
PRIVATE ROOM 405 BED RECEPTACLE	500	20/1	19	860			20	20/1	360	RECEPTACLE 38
PRIVATE ROOM 406 RECEPTACLES	360	20/1	21		2,160		22	20/1	1,800	PRINTER 38
PRIVATE ROOM 406 BED RECEPTACLE	500	20/1	23			1,500	24	20/1	1,000	RECEPTACLE 37
PRIVATE ROOM 407 RECEPTACLES	360	20/1	25	1,360			26	20/1	1,000	RECEPTACLE 37
PRIVATE ROOM 407 BED RECEPTACLE	500	20/1	27		1,500		28	20/1	1,000	COUNTERTOP REFRIG 37
PRIVATE ROOM 408 RECEPTACLES	360	20/1	29			2,160	30	20/1	1,800	CUBEX DRUG DISPENSING MACHINE 37
PRIVATE ROOM 408 BED RECEPTACLE	500	20/1	31	500			32	20/1		SPARE
PRIVATE ROOM 409 RECEPTACLES	360	20/1	33		360		34	20/1		SPARE
PRIVATE ROOM 409 BED RECEPTACLE	500	20/1	35			500	36	20/1		SPARE
PRIVATE ROOM 410 RECEPTACLES	360	20/1	37	360			38	20/1		SPARE
PRIVATE ROOM 410 BED RECEPTACLE	500	20/1	39		500		40	20/1		SPARE
SPARE		20/1	41			0	42	20/1		SPARE
NOTES (AS APPLICABLE):				5,520	7,240	6,600	TTL PHASE VA			
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				46	60	55	TTL PHASE AMPS			
2. GFCI CIRCUIT BREAKER.				29%	37%	34%	PHASE BALANCE			

60	A. BUS (COPPER, UNO)		
60	A. MAIN LUGS AND/OR FEEDER RATING		
10	KAIC MINIMUM RATING		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.

DEMAND SUMMARY:		CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) =	19,360			
RECEPTACLES FIRST 10 KVA		10,000	1.00	10,000
RECEPTACLES > 10 KVA		9,360	0.50	4,680
LIGHTING		0	1.25	0
MISCELLANEOUS EQUIPMENT		0	1.00	0
OTHER EQUIPMENT (CONTINUOUS)		0	1.25	0
LARGEST MOTOR		0	1.25	0
HVAC EQUIPMENT (FLA = MCA X 0.8)		0	1.00	0
KITCHEN EQUIPMENT	0	0	1.00	0
TOTAL CONNECTED (VA)		19,360		
TOTAL DEMAND (VA)				14,680
TOTAL DEMAND (AMPERES)				40.7
PANEL DEMAND LOADING VS RATING		67.9%		

Panel CE

TYPE:	208	120	VOLTS,	3	PHASE,	4	WIRE		PROVIDE	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE							IF	XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	BOTTOM							CHECKED		ULSE LABEL
	NEMA -	1	ENCLOSURE								ISOLATED GROUND BAR

	LOAD	CKT BKR	CKT	PHASE LOAD VA			CKT	CKT BKR	LOAD	
LOAD SERVED	VA	POLES/TRIP	#	A	B	C	#	POLES/TRIP	VA	LOAD SERVED
PRIVATE ROOM 101 RECEPTACLES	360	20/1	1	720			2	20/1	360	PRIVATE ROOM 108 RECEPTACLES
PRIVATE ROOM 101 BED RECEPTACLE	500	20/1	3		1,000		4	20/1	500	PRIVATE ROOM 108 BED RECEPTACLE
PRIVATE ROOM 102 RECEPTACLES	360	20/1	5			720	6	20/1	360	PRIVATE ROOM 109 RECEPTACLES
PRIVATE ROOM 102 BED RECEPTACLE	500	20/1	7	1,000			8	20/1	500	PRIVATE ROOM 109 BED RECEPTACLE
PRIVATE ROOM 103 RECEPTACLES	360	20/1	9		720		10	20/1	360	PRIVATE ROOM 110 RECEPTACLES
PRIVATE ROOM 103 BED RECEPTACLE	500	20/1	11			1,000	12	20/1	500	PRIVATE ROOM 110 BED RECEPTACLE
PRIVATE ROOM 104 RECEPTACLES	360	20/1	13	720			14	20/1	360	PRIVATE ROOM 111 RECEPTACLES
PRIVATE ROOM 104 BED RECEPTACLE	500	20/1	15		1,000		16	20/1	500	PRIVATE ROOM 111 BED RECEPTACLE
PRIVATE ROOM 105 RECEPTACLES	360	20/1	17			720	18	20/1	360	PRIVATE ROOM 112 RECEPTACLES
PRIVATE ROOM 105 BED RECEPTACLE	500	20/1	19	1,000			20	20/1	500	PRIVATE ROOM 112 BED RECEPTACLE
PRIVATE ROOM 106 RECEPTACLES	360	20/1	21		720		22	20/1	360	PRIVATE ROOM 113 RECEPTACLES
PRIVATE ROOM 106 BED RECEPTACLE	500	20/1	23			2,000	24	20/1	1,500	PRIVATE ROOM 113 BED RECEPTACLE
PRIVATE ROOM 107 RECEPTACLES	360	20/1	25	720			26	20/1	360	PRIVATE ROOM 114 RECEPTACLES
PRIVATE ROOM 107 BED RECEPTACLE	500	20/1	27		2,000		28	20/1	1,500	PRIVATE ROOM 114 BED RECEPTACLE
SPARE		20/1	29			360	30	20/1	360	PRIVATE ROOM 115 RECEPTACLES
SPARE		20/1	31	500			32	20/1	500	PRIVATE ROOM 115 BED RECEPTACLE
SPARE		20/1	33		360		34	20/1	360	PRIVATE ROOM 116 RECEPTACLES
SPARE		20/1	35			500	36	20/1	500	PRIVATE ROOM 116 BED RECEPTACLE
SPARE		20/1	37	200			38	20/1	200	NURSE CALL SYSTEM 29
SPARE		20/1	39		200		40	20/1	200	NURSE CALL SYSTEM 29
PRIVATE ROOM 101-116 LIGHTING	848	20/1	41			848	42	20/1		SPARE
PRIVATE ROOM LIGHTING 201-209,211	530	20/1	43	530			44	20/1		SPARE
PRIVATE ROOM 201-208 LIGHTING	424	20/1	45		604		46	20/1	180	RECEPTACLE 29
LIGHTING 21,23,24,26,28,29,30	758	20/1	47			938	48	20/1	180	RECEPTACLE 29
SPARE		20/1	49	180			50	20/1	180	RECEPTACLE 29
SPARE		20/1	51		0		52	20/1		SPARE
SPARE		20/1	53			2,496	54	30/2	2,496	RECEPTACLE 23
PANEL "CE2"	4,860	60/3	55	7,356			56	I	2,496	I
I	6,080	I	57		8,576		58	30/2	2,496	RECEPTACLE 23
I	3,800	I	59			6,296	60	I	2,496	I
NOTES (AS APPLICABLE):				12,926	15,180	15,878	TTL PHASE VA			
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				108	127	132	TTL PHASE AMPS			
2. GFCI CIRCUIT BREAKER.				29%	35%	36%	PHASE BALANCE			

225	A. BUS (COPPER, UNO)		
125	A. MAIN LUGS AND/OR FEEDER RATING		
10	KAIC MINIMUM RATING		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.

DEMAND SUMMARY:		CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) =	41,424			
RECEPTACLES FIRST 10 KVA		10,000	1.00	10,000
RECEPTACLES > 10 KVA		31,424	0.50	15,712
LIGHTING		2,560	1.25	3,200
MISCELLANEOUS EQUIPMENT		0	1.00	0
OTHER EQUIPMENT (CONTINUOUS)		0	1.25	0
LARGEST MOTOR		0	1.25	0
HVAC EQUIPMENT (FLA = MCA X 0.8)		0	1.00	0
KITCHEN EQUIPMENT	0	0	1.00	0
TOTAL CONNECTED (VA)		43,984		
TOTAL DEMAND (VA)				28,912
TOTAL DEMAND (AMPERES)				80.3
PANEL DEMAND LOADING VS RATING		64.2%		

Panel CE2

TYPE:	208	120	VOLTS,	3	PHASE,	4	WIRE		PROVIDE	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE							IF	XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	TOP							CHECKED		ULSE LABEL
	NEMA -	1	ENCLOSURE								ISOLATED GROUND BAR

	LOAD	CKT BKR	CKT	PHASE LOAD VA			CKT	CKT BKR	LOAD	
LOAD SERVED	VA	POLES/TRIP	#	A	B	C	#	POLES/TRIP	VA	LOAD SERVED
RECEPTACLE 26	360	20/1	1	720			2	20/1	360	PRIVATE ROOM 201 RECEPTACLES
RECEPTACLE 26	360	20/1	3		860		4	20/1	500	PRIVATE ROOM 201 BED RECEPTACLE
COUNTER TOP REFRIG. 26	1,000	20/1	5			1,360	6	20/1	360	PRIVATE ROOM 202 RECEPTACLES
REFRIGERATOR 26	1,200	20/1	7	1,700			8	20/1	500	PRIVATE ROOM 202 BED RECEPTACLE
FREEZER 26	1,200	20/1	9		1,560		10	20/1	360	PRIVATE ROOM 203 RECEPTACLES
RECEPTACLES 28	720	20/1	11			1,220	12	20/1	500	PRIVATE ROOM 203 BED RECEPTACLE
RECEPTACLES 28	720	20/1	13	1,080			14	20/1	360	PRIVATE ROOM 204 RECEPTACLES
PRINTER 28	1,800	20/1	15		2,300		16	20/1	500	PRIVATE ROOM 204 BED RECEPTACLE
SPARE		20/1	17			360	18	20/1	360	PRIVATE ROOM 205 RECEPTACLES
SPARE		20/1	19	500			20	20/1	500	PRIVATE ROOM 205 BED RECEPTACLE
SPARE		20/1	21		360		22	20/1	360	PRIVATE ROOM 206 RECEPTACLES
SPARE		20/1	23			500	24	20/1	500	PRIVATE ROOM 206 BED RECEPTACLE
SPARE		20/1	25	360			26	20/1	360	PRIVATE ROOM 208 RECEPTACLES
SPARE		20/1	27		500		28	20/1	500	PRIVATE ROOM 208 BED RECEPTACLE
SPARE		20/1	29			360	30	20/1	360	PRIVATE ROOM 209 RECEPTACLES
SPARE		20/1	31	500			32	20/1	500	PRIVATE ROOM 209 BED RECEPTACLE
SPARE		20/1	33		0		34			SPARE
SPARE		20/1	35			0	36			SPARE
SPARE		20/1	37	0			38			SPARE
PA SYSYTEM AMPLIFIER	500	20/1	39		500		40			SPARE
SPARE		20/1	41			0	42			SPARE
NOTES (AS APPLICABLE):				4,860	6,080	3,800	TTL PHASE VA			
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				41	51	32	TTL PHASE AMPS			
2. GFCI CIRCUIT BREAKER.				33%	41%	26%	PHASE BALANCE			

60	A. BUS (COPPER, UNO)		
60	A. MAIN LUGS AND/OR FEEDER RATING		
10	KAIC MINIMUM RATING		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.

DEMAND SUMMARY:		CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) =	14,740			
RECEPTACLES FIRST 10 KVA		10,000	1.00	10,000
RECEPTACLES > 10 KVA		4,740	0.50	2,370
LIGHTING		0	1.25	0
MISCELLANEOUS EQUIPMENT		0	1.00	0
OTHER EQUIPMENT (CONTINUOUS)		0	1.25	0
LARGEST MOTOR		0	1.25	0
HVAC EQUIPMENT (FLA = MCA X 0.8)		0	1.00	0
KITCHEN EQUIPMENT	0	0	1.00	0
TOTAL CONNECTED (VA)		14,740		
TOTAL DEMAND (VA)				12,370
TOTAL DEMAND (AMPERES)				34.3
PANEL DEMAND LOADING VS RATING		57.2%		

NOTE: ARRANGE PANELBOARD BRANCH CIRCUIT BREAKERS AS SHOWN ON THE ABOVE SCHEDULES. AGREEMENT OF CIRCUIT BREAKER (POLE) NUMBERS WITH THE PANEL SCHEDULES AND ELECTRICAL FLOOR PLANS IS REQUIRED IN ORDER TO AVOID CONFUSION DURING CONSTRUCTION, REDRAWING THE CIRCUITRY FOR RECORD DRAWING PURPOSES AND ACCURATE DOCUMENTATION OF THE AS-BUILT CONDITIONS.

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433 ROBERT M. HOLDEN
9/25/2026

09-29-2026 BID

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ELECTRICAL SCHEDULES

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433 ROBERT M. DOWDY
9/25/2026

09-29-2026 BID

Panel LS

TYPE:	208	120	VOLTS, 3	PHASE, 4	WIRE	PROVIDE IF CHECKED	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE					XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	BOTTOM						ULSE LABEL
	NEMA -	1	ENCLOSURE					ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
RECEPTACLES 51,52, EXTERIOR RECEPTACLES	720	20/1	1	900			2	20/1	180	RECEPTACLES AT E-G SET
EXTERIOR LIGHTING THRU PC1/LC1	358	20/1	3		558		4	20/1	200	EG SET ENCLOSURE LIGHTS
LIGHTING CORRIDOR 133,134,217	680	20/1	5			680	6	20/1		SPARE
LIGHTING CORRIDOR 337,617,737	694	20/1	7	894			8	20/1	200	EG SET BATTERY HEATER
LIGHTING CORRIDOR 337,429,521,	677	20/1	9		677		10	20/1		SPARE
SITE LIGHTING THRU PC1/LC1	1,430	20/1	11			1,430	12	20/1		SPARE
SITE LIGHTING THRU PC1/LC1	1,430	20/1	13	1,430			14	20/1		SPARE
SITE LIGHTING AND SIGN THRU PC1/LC1	1,161	20/1	15		1,161		16	20/1		SPARE
COURTYARD LIGHTING THRU PC1/LC1	588	20/1	17			588	18	20/1		SPARE
LIGHTING CORRIDOR 337,617,737	693	20/1	19	893			20	20/1	200	FACU TCH 29
LIGHTING CORRIDOR 317,429,521,	676	20/1	21		856		22	20/1	180	ACC CTRL TCH 29
LIGHTING CORRIDOR 133,134,217	679	20/1	23			859	24	20/1	180	PAGING TCH 29
EXTERIOR LIGHTING THRU PC1/LC1	359	20/1	25	359			26	20/1		SPARE
COURTYARD LIGHTING THRU PC1/LC1	588	20/1	27		588		28	20/1		SPARE
ACC CTRL TDR 35	180	20/1	29			180	30	20/1		SPARE
PAGING TDR 35	180	20/1	31	180			32	30/3		SPD
PAGING HEADEND TDR 58	200	20/1	33		200		34	|	|	|
ACC CTRL TDR 58	180	20/1	35			180	36	|	|	|
SPARE		20/1	37	753			38	60/3	753	PANEL LSA
SPARE		20/1	39		1,252		40	|	1,252	|
SPARE		20/1	41			1,167	42	|	1,167	|
NOTES (AS APPLICABLE):				5,409	5,292	5,084	TTL PHASE VA		100	A. BUS (COPPER, UNO)
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				45	44	42	TTL PHASE AMPS		100	A. MAIN LUGS AND/OR FEEDER RATING
2. GFCI CIRCUIT BREAKER.				34%	34%	32%	PHASE BALANCE		35	KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 1,640			
RECEPTACLES FIRST 10 KVA	1,640	1.00	1,640
RECEPTACLES > 10 KVA	0	0.50	0
LIGHTING	12,078	1.25	15,098
MISCELLANEOUS EQUIPMENT	2,067	1.00	2,067
OTHER EQUIPMENT (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	0	1.25	0
HVAC EQUIPMENT (FLA = MCA X 0.8)	0	1.00	0
KITCHEN EQUIPMENT 0	0	1.00	0
TOTAL CONNECTED (VA)	15,785		
TOTAL DEMAND (VA)			18,805
TOTAL DEMAND (AMPERES)			52.2
PANEL DEMAND LOADING VS RATING	52.2%		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE CIRCUIT BREAKER LOCKING DEVICE WHERE NOTED AND FOR FACP AND UNIT TYPE SMOKE DETECTOR CIRCUITS.
4. COORDINATE SPD CIRCUIT BREAKER TRIP WITH SPD PROVIDED.

Panel LSA

TYPE:	208	120	VOLTS, 3	PHASE, 4	WIRE	PROVIDE IF CHECKED	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE					XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	BOTTOM						ULSE LABEL
	NEMA -	1	ENCLOSURE					ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
SPARE		20/1	1	573			2	20/1	573	LIGHTING CORRIDOR 78,79, 80
MOTOR OPERATED DOOR LOBBY 1	500	20/1	3		1,072		4	20/1	572	LIGHTING CORRIDOR 78,79, 80
SPRINKLER SYSTEM AIR COMPRESSOR	1,167	20/1	5			1,167	6	20/1		SPARE
RCP: ACC CTRL TDR 73C	180	20/1	7	180			8	20/1		SPARE
RCP: PAGING TDR 73C	180	20/1	9		180		10	20/1		SPARE
SPARE		20/1	11			0	12	20/1		SPARE
SPARE		20/1	13	0			14	30/3		SPD
SPARE		20/1	15		0		16	|	|	|
SPARE		20/1	17			0	18	|	|	|
NOTES (AS APPLICABLE):				753	1,252	1,167	TTL PHASE VA		60	A. BUS (COPPER, UNO)
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				6	10	10	TTL PHASE AMPS		60	A. MAIN LUGS AND/OR FEEDER RATING
2. GFCI CIRCUIT BREAKER.				24%	39%	37%	PHASE BALANCE		10	KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 360			
RECEPTACLES FIRST 10 KVA	360	1.00	360
RECEPTACLES > 10 KVA	0	0.50	0
LIGHTING	1,145	1.25	1,431
MISCELLANEOUS EQUIPMENT	1,667	1.00	1,667
OTHER EQUIPMENT (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	0	1.25	0
HVAC EQUIPMENT (FLA = MCA X 0.8)	0	1.00	0
KITCHEN EQUIPMENT 0	0	1.00	0
TOTAL CONNECTED (VA)	3,172		
TOTAL DEMAND (VA)			3,458
TOTAL DEMAND (AMPERES)			9.6
PANEL DEMAND LOADING VS RATING	16.0%		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE CIRCUIT BREAKER LOCKING DEVICE WHERE NOTED AND FOR FACP AND UNIT TYPE SMOKE DETECTOR CIRCUITS.
4. COORDINATE SPD CIRCUIT BREAKER TRIP WITH SPD PROVIDED.

Switchboard EH

TYPE:	208	120	VOLTS, 3	PHASE, 4	WIRE	PROVIDE IF CHECKED	XX	EQUIPMENT GROUND BUS
UL 891 SWITCHBOARD CONSTRUCTION,	MOUNT:	SURFACE					XX	100 % NEUTRAL BUS
FREE STANDING, FRONT ACCESS ONLY,	FEED:	BOTTOM						ULSE LABEL
SEE SPECS SECTION 16032 FOR ADDITIONAL DETA	NEMA -	1	ENCLOSURE					ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
PANEL EHA	36,281	400/3		80,619				500/3	44,338	PANEL EHD
|	33,541	|	1		78,648		2	|	45,107	|
|	32,162	|				68,761		|	36,599	|
PANEL EHB	21,097	225/3		53,520				350/3	32,423	PANEL EHE
|	18,882	|	3		51,283		4	|	32,401	|
|	19,314	|				52,381		|	33,067	|
PANEL EHC	46,946	500/3		61,116				150/3	14,171	DOAS01
|	45,082	|	5		59,253		6	|	14,171	|
|	48,724	|				62,895		|	14,171	|
PANEL EHG	4,750	60/3		17,807				150/3	13,057	PANEL EHK
|	2,290	|	7		13,357		8	|	11,067	|
|	2,007	|				15,439		|	13,432	|
PREPARED SPACE		225/3		0				225/3		PREPARED SPACE
|		|	9		0		10	|		|
|		|				0		|		|
PREPARED SPACE		100/3		0				30/3		SPD
|		|	11		0		12	|		|
|		|				0		|		|
PREPARED SPACE		100/3		0				100/3		PREPARED SPACE
|		|	13		0		14	|		|
|		|				0		|		|
NOTES (AS APPLICABLE):				213,063	202,541	199,476	TTL PHASE VA		2,000	A. BUS (COPPER, UNO)
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				1,776	1,688	1,662	TTL PHASE AMPS		2,000	A. MAIN LUGS AND/OR FEEDER RATING
2. COORDINATE SPD CIRCUIT BREAKER TRIP WITH SPD PROVIDED.				35%	33%	32%	PHASE BALANCE		65	KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 5,760			
RECEPTACLES FIRST 10 KVA	5,760	1.00	5,760
RECEPTACLES > 10 KVA	0	0.50	0
LIGHTING	720	1.25	900
MISCELLANEOUS EQUIPMENT	15,990	1.00	15,990
OTHER EQUIPMENT (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	42,513	1.25	53,141
HVAC EQUIPMENT (FLA = MCA X 0.8)	523,713	1.00	523,713
KITCHEN EQUIPMENT 21	26,384	0.65	17,150
TOTAL CONNECTED (VA)	615,079		
TOTAL DEMAND (VA)			616,653
TOTAL DEMAND (AMPERES)			1,711.6
PANEL DEMAND LOADING VS RATING	85.6%		

ADDITIONAL NOTES (AS APPLICABLE):
3. COORDINATE SPD CIRCUIT BREAKER TRIP WITH SPD PROVIDED.
4. THE MCB SHALL BE 100% RATED & PROVIDED WITH AN ARC ENERGY REDUCTION MAINTENANCE SWITCH PER NEC ART. 240.87.
5. SEE SPECIFICATIONS SECTION 16032 AND SWITCHBOARD ELEVATION 8/E0.6 FOR ADDITIONAL DETAILS AND REQUIREMENTS.

Panel EHA

TYPE:	208	120	VOLTS, 3	PHASE, 4	WIRE	PROVIDE IF CHECKED	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE					XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	BOTTOM						ULSE LABEL
	NEMA -	1	ENCLOSURE					ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
HP01	998	20/2	1	3,078			2	25/2	2,080	AH01
|	998	|	3		3,078		4	|	2,080	|
HP02	998	20/2	5			3,078	6	25/2	2,080	AH02
|	998	|	7	3,078			8	|	2,080	|
HP03	1,595	25/3	9		4,381		10	30/3	2,786	AH03
|	1,595	|	11			4,381	12	|	2,786	|
|	1,595	|	13	4,381			14	|	2,786	|
HP04	1,595	25/3	15		4,381		16	30/3	2,786	AH04
|	1,595	|	17			4,381	18	|	2,786	|
|	1,595	|	19	4,381			20	|	2,786	|
HP05	2,190	35/3	21		6,514		22	45/3	4,323	AH05
|	2,190	|	23			6,514	24	|	4,323	|
|	2,190	|	25	6,514			26	|	4,323	|
HP06	1,739	30/3	27		4,813		28	35/3	3,074	AH06
|	1,739	|	29			4,813	30	|	3,074	|
|	1,739	|	31	4,813			32	|	3,074	|
HP07	1,595	30/3	33		4,381		34	30/3	2,786	AH07
|	1,595	|	35			4,381	36	|	2,786	|
|	1,595	|	37	4,381			38	|	2,786	|
DHP8	3,843	60/3	39		4,613		40	15/2	770	BCS'S & DAHS'S
|	3,843	|	41			4,613	42	|	770	|
|	3,843	|	43	5,571			44	20/1	1,728	ER01,02,03,04
SPARE		20/1	45		1,296		46	20/1	1,296	ER05,06,07
SPARE		20/1	47			0	48	20/1		SPARE
SPARE		20/1	49	0			50	20/1		SPARE
SPARE		20/1	51		0		52	20/1		SPARE
SPARE		20/1	53			0	54	20/1		SPARE
SPARE		20/1	55	0			56	20/1		SPARE
SPARE		20/1	57		0		58	20/1		SPARE
SPARE		20/1	59			0	60	20/1		SPARE
NOTES (AS APPLICABLE):				36,198	33,458	32,162	TTL PHASE VA		400	A. BUS (COPPER, UNO)
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				302	279	268	TTL PHASE AMPS		400	A. MAIN LUGS AND/OR FEEDER RATING
2. GFCI CIRCUIT BREAKER.				36%	33%	32%	PHASE BALANCE		18	KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 0			
RECEPTACLES FIRST 10 KVA	0	1.00	0
RECEPTACLES > 10 KVA	0	0.50	0
LIGHTING	0	1.25	0
MISCELLANEOUS EQUIPMENT	0	1.00	0
OTHER EQUIPMENT (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	11,529	1.25	14,411
HVAC EQUIPMENT (FLA = MCA X 0.8)	90,288	1.00	90,288
KITCHEN EQUIPMENT 0	0	1.00	0
TOTAL CONNECTED (VA)	101,817		
TOTAL DEMAND (VA)			104,700
TOTAL DEMAND (AMPERES)			290.6
PANEL DEMAND LOADING VS RATING	72.7%		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.

Panel EHB

TYPE:	208	120	VOLTS, 3	PHASE, 4	WIRE	PROVIDE IF CHECKED	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE					XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	BOTTOM						ULSE LABEL
	NEMA -	1	ENCLOSURE					ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
HP30	1,739	30/3	1	4,813			2	35/3	3,074	AH30
|	1,739	|	3		4,813		4	|	3,074	|
|	1,739	|	5			4,813	6	|	3,074	|
HP31	1,739	30/3	7	4,813			8	35/3	3,074	AH31
|	1,739	|	9		4,813		10	|	3,074	|
|	1,739	|	11			4,813	12	|	3,074	|
HP32	998	20/2	13	3,078			14	25/2	2,080	AH32
|	998	|	15		3,078		16	|	2,080	|
HP33	1,739	30/3	17			4,813	18	35/3	3,074	AH33
|	1,739	|	19	4,813			20	|	3,074	|
|	1,739	|	21		4,813		22	|	3,074	|
HP34	998	20/2	23			3,078	24	25/2	2,080	AH34
|	998	|	25	3,078			26	|	2,080	|
SPARE		20/1	27		864		28	20/1	864	ER30A,30B
SPARE		20/1	29			1,296	30	20/1	1,296	ER31,32,34
SPARE		20/1	31	0			32	20/1		SPARE
SPARE		20/1	33		0		34	20/1		SPARE
SPARE		20/1	35			0	36	20/1		SPARE
SPARE		20/1	37	500			38	20/1	500	U.C. ICE MAKER LIVING RM 18
SPARE		20/1	39		500		40	20/1	500	U.C. REFRIGERATOR LIVING RM 18
SPARE		20/1	41			500	42	20/1	500	U.C. FREEZER LIVING RM 18
NOTES (AS APPLICABLE):				21,097	18,882	19,314	TTL PHASE VA		225	A. BUS (COPPER, UNO)
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				176	157	161	TTL PHASE AMPS		225	A. MAIN LUGS AND/OR FEEDER RATING
2. GFCI CIRCUIT BREAKER.				36%	32%	33%	PHASE BALANCE		14	KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 1,500			
RECEPTACLES FIRST 10 KVA	1,500	1.00	1,500
RECEPTACLES > 10 KVA	0	0.50	0
LIGHTING	0	1.25	0
MISCELLANEOUS EQUIPMENT	0	1.00	0
OTHER EQUIPMENT (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	4,160	1.25	5,200
HVAC EQUIPMENT (FLA = MCA X 0.8)	53,633	1.00	53,633
KITCHEN EQUIPMENT 0	0	1.00	0
TOTAL CONNECTED (VA)	59,293		
TOTAL DEMAND (VA)			60,333
TOTAL DEMAND (AMPERES)			167.5
PANEL DEMAND LOADING VS RATING	74.4%		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.

Panel EHC

TYPE:	208	120	VOLTS, 3	PHASE, 4	WIRE	PROVIDE IF CHECKED	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE					XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	BOTTOM						ULSE LABEL
	NEMA -	1	ENCLOSURE					ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
HP23	1,595	25/3	1	2,095			2	20/1	500	HOT/COLD (7) 63
|	1,595	|	3		2,095		4	20/1	500	HOT/COLD (7) 63
|	1,595	|	5			2,555	6	20/1	960	REFRIG/FREEZER (5) 64
HP24	2,190	35/3	7	3,750			8	20/1	1,560	ICE MACHINE (8) 64
|	2,190	|	9		2,370		10	20/1	180	RECEPTACLE 64
|	2,190	|	11			4,977	12	30/3	2,786	AH23
HP25	1,595	25/3	13	4,381			14	|	2,786	|
|	1,595	|	15		4,381		16	|	2,786	|
|	1,595	|	17			5,918	18	45/3	4,323	AH24
HP26	1,331	25/2	19	5,655			20	|	4,323	|
|	1,331	|	21		5,655		22	|	4,323	|
HP27	1,331	25/2	23			4,117	24	30/3	2,786	AH25
|	1,331	|	25	4,117			26	|	2,786	|
HP28	1,595	25/3	27		4,381		28	|	2,786	|
|	1,595	|	29			4,840	30	40/2	3,245	AH26
|	1,595	|	31	4,840			32	|	3,245	|
HP29	1,595	25/3	33		4,840		34	40/2	3,245	AH27
|	1,595	|	35			4,840	36	|	3,245	|
|	1,595	|	37	4,381			38	30/3	2,786	AH28
DHP1	3,843	60/3	39		6,629		40	|	2,786	|
|	3,843	|	41			6,629	42	|	2,786	|
|	3,843	|	43	6,629			44	30/3	2,786	AH29
DHP2	3,843	60/3	45		6,629		46	|	2,786	|
|	3,843	|	47			6,629	48	|	2,786	|
|	3,843	|	49	4,314			50	15/2	471	BC1'S & DAHI'S
DHP7	5,764	100/3	51		6,235		52	|	471	|
|	5,764	|	53			6,352	54	15/2	587	BC2'S & DAH2'S
|	5,764	|	55	6,352			56	|	587	|
SPARE		20/1	57		572		58	15/2	572	BC7'S & DAH7'S
SPARE		20/1	59			572	60	|	572	|
SPARE		20/1	61	432			62	15/1	432	ER23
SPARE		20/1	63		1,296		64	20/1	1,296	ER24,28,29
SPARE		20/1	65			1,296	66	20/1	1,296	ER25,26,27
SPARE		20/1	67	0			68	20/1		SPARE
SPARE		20/1	69		0		70	20/1		SPARE
SPARE		20/1	71			0	72	20/1		SPARE
SPARE		20/1	73	0			74	20/1		SPARE
SPARE		20/1	75		0		76	20/1		SPARE
SPARE		20/1	77			0	78	20/1		SPARE
SPARE		20/1	79	0			80	20/1		SPARE
SPARE		20/1	81		0		82	20/1		SPARE
SPARE		20/1	83			0	84	20/1		SPARE
NOTES (AS APPLICABLE):				46,946	45,082	48,724	TTL PHASE VA		600	A. BUS (COPPER, UNO)
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				391	376	406	TTL PHASE AMPS		500	A. MAIN LUGS AND/OR FEEDER RATING
2. GFCI CIRCUIT BREAKER.				33%	32%	35%	PHASE BALANCE		25	KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 180			
RECEPTACLES FIRST 10 KVA	180	1.00	180
RECEPTACLES > 10 KVA	0	0.50	0
LIGHTING	0	1.25	0
MISCELLANEOUS EQUIPMENT	0	1.00	0
OTHER EQUIPMENT (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	17,293	1.25	21,617
HVAC EQUIPMENT (FLA = MCA X 0.8)	119,758	1.00	119,758
KITCHEN EQUIPMENT 4	3,520	0.80	2,816
TOTAL CONNECTED (VA)	140,752		
TOTAL DEMAND (VA)			144,371
TOTAL DEMAND (AMPERES)			400.7
PANEL DEMAND LOADING VS RATING	80.1%		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.

NOTE: ARRANGE PANELBOARD BRANCH CIRCUIT BREAKERS AS SHOWN ON THE ABOVE SCHEDULES. AGREEMENT OF CIRCUIT BREAKER (POLE) NUMBERS WITH THE PANEL SCHEDULES AND ELECTRICAL FLOOR PLANS IS REQUIRED IN ORDER TO AVOID CONFUSION DURING CONSTRUCTION, REDRAWING THE CIRCUITRY FOR RECORD DRAWING PURPOSES AND ACCURATE DOCUMENTATION OF THE AS-BUILT CONDITIONS.

PRUITTHEALTH
FORSYTH COUNTY, L.L.C.
Winston–Salem, North Carolina

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Architecture Planning Design

REV	DESCR.	DATE
1	REVISIONS PER PLAN REVIEW	09.29.2026

100 BED FACILITY
ELECTRICAL
SCHEDULES

E0.15

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433 ROBERT CHRISTOPHER BOWMAN
9/25/2026

09-29-2026 BID

Panel EHD

TYPE:	208	120	VOLTS, 3	PHASE, 4	WIRE	PROVIDE	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE				IF	XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	BOTTOM				CHECKED		ULSE LABEL
	NEMA -	1	ENCLOSURE					ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
HP13	1,331	25/2	1	4,576			2	40/2	3,245	AH13
|	1,331	|	3		4,576		4	|	3,245	|
HP14	1,082	20/2	5			3,162	6	25/2	2,080	AH14
|	1,082	|	7	3,162			8	|	2,080	|
HP15	1,331	25/2	9		4,576		10	40/2	3,245	AH15
|	1,331	|	11			4,576	12	|	3,245	|
HP16	1,739	30/3	13	4,813			14	35/3	3,074	AH16
|	1,739	|	15		4,813		16	|	3,074	|
|	1,739	|	17			4,813	18	|	3,074	|
HP17	1,331	25/2	19	4,576			20	40/2	3,245	AH17
|	1,331	|	21		4,576		22	|	3,245	|
HP18	1,331	25/2	23			4,576	24	40/2	3,245	AH18
|	1,331	|	25	4,576			26	|	3,245	|
HP19	1,082	20/2	27		3,162		28	25/2	2,080	AH19
|	1,082	|	29			3,162	30	|	2,080	|
HP20	1,331	25/2	31	4,576			32	40/2	3,245	AH20
|	1,331	|	33		4,576		34	|	3,245	|
SPARE		20/1	35			0	36	20/1		SPARE
HP21	1,739	30/3	37	4,813			38	35/3	3,074	AH21
|	1,739	|	39		4,813		40	|	3,074	|
|	1,739	|	41			4,813	42	|	3,074	|
HP22	1,082	20/2	43	3,162			44	25/3	2,080	AH22
|	1,082	|	45		3,162		46	|	2,080	|
DHP3	3,843	60/3	47			4,404	48	15/2	561	BC3'S & DAH3'S
|	3,843	|	49	4,404			50	|	561	|
|	3,843	|	51		4,309		52	15/2	466	BC5'S & DAH5'S
DHP5	4,900	80/3	53			5,366	54	|	466	|
|	4,900	|	55	5,764			56	20/1	864	ER13,14
|	4,900	|	57		6,628		58	20/1	1,728	ER15,16,17,18
SPARE		20/1	59			1,728	60	20/1	1,728	ER19,20,21A,21B
SPARE		20/1	61	0			62	20/1		SPARE
SPARE		20/1	63		0		64	20/1		SPARE
SPARE		20/1	65			0	66	20/1		SPARE
SPARE		20/1	67	0			68	20/1		SPARE
SPARE		20/1	69		0		70	20/1		SPARE
SPARE		20/1	71			0	72	20/1		SPARE
SPARE		20/1	73	0			74	20/1		SPARE
SPARE		20/1	75		0		76	20/1		SPARE
SPARE		20/1	77			0	78	20/1		SPARE
SPARE		20/1	79	0			80	20/1		SPARE
SPARE		20/1	81		0		82	20/1		SPARE
SPARE		20/1	83			0	84	20/1		SPARE
				44,421	45,190	36,599	TTL PHASE VA			
				370	377	305	TTL PHASE AMPS			
				35%	36%	29%	PHASE BALANCE			

NOTES (AS APPLICABLE):
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.
2. GFCI CIRCUIT BREAKER.

600 A. BUS (COPPER, UNO)
500 A. MAIN LUGS AND/OR FEEDER RATING
22 KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 0			
RECEPTACLES FIRST 10 KVA	0	1.00	0
RECEPTACLES > 10 KVA	0	0.50	0
LIGHTING	0	1.25	0
MISCELLANEOUS EQUIPMENT	0	1.00	0
OTHER EQUIPMENT (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	14,699	1.25	18,374
HVAC EQUIPMENT (FLA = MCA X 0.8)	111,512	1.00	111,512
KITCHEN EQUIPMENT 0	0	1.00	0
TOTAL CONNECTED (VA)	126,211		
TOTAL DEMAND (VA)			129,886
TOTAL DEMAND (AMPERES)			360.5
PANEL DEMAND LOADING VS RATING	72.1%		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.

Panel EHE

TYPE:	208	120	VOLTS, 3	PHASE, 4	WIRE	PROVIDE	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE				IF	XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	BOTTOM				CHECKED		ULSE LABEL
	NEMA -	1	ENCLOSURE					ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
HP08	1,331	25/2	1	2,291			2	20/1	960	REFRIG/FREEZER (5) 21
|	1,331	|	3		2,891		4	20/1	1,560	ICE MACHINE (8) 21
HP09	1,331	25/2	5			1,511	6	20/1	180	RECEPTACLE 21
|	1,331	|	7	1,831			8	20/1	500	HOT/COLD (10) 73
HP10	1,739	30/3	9		2,239		10	20/1	500	HOT/COLD (10) 73
|	1,739	|	11			4,984	12	40/2	3,245	AH08
|	1,739	|	13	4,984			14	|	3,245	|
HP11	1,595	25/3	15		4,840		16	40/2	3,245	AH09
|	1,595	|	17			4,840	18	|	3,245	|
|	1,595	|	19	4,669			20	35/3	3,074	AH10
HP12	1,739	30/3	21		4,813		22	|	3,074	|
|	1,739	|	23			4,813	24	|	3,074	|
|	1,739	|	25	4,525			26	30/3	2,786	AH11
DHP4	5,764	100/3	27		8,551		28	|	2,786	|
|	5,764	|	29			8,551	30	|	2,786	|
|	5,764	|	31	8,839			32	35/3	3,074	AH12
DHP6	3,843	60/3	33		6,917		34	|	3,074	|
|	3,843	|	35			6,917	36	|	3,074	|
|	3,843	|	37	4,697			38	15/2	854	BC4'S & DAH4'S
SPARE		20/1	39		854		40	|	854	|
SPARE		20/1	41			587	42	15/2	587	BC6'S & DAH6'S
SPARE		20/1	43	587			44	|	587	|
SPARE		20/1	45		1,296		46	20/1	1,296	ER08,09,10
SPARE		20/1	47			864	48	20/1	864	ER11,12
SPARE		20/1	49	0			50	20/1		SPARE
SPARE		20/1	51		0		52	20/1		SPARE
SPARE		20/1	53			0	54	20/1		SPARE
SPARE		20/1	55	0			56	20/1		SPARE
SPARE		20/1	57		0		58	20/1		SPARE
SPARE		20/1	59			0	60	20/1		SPARE
				32,423	32,401	33,067	TTL PHASE VA			
				270	270	276	TTL PHASE AMPS			
				33%	33%	34%	PHASE BALANCE			

NOTES (AS APPLICABLE):
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.
2. GFCI CIRCUIT BREAKER.

400 A. BUS (COPPER, UNO)
350 A. MAIN LUGS AND/OR FEEDER RATING
14 KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 180			
RECEPTACLES FIRST 10 KVA	180	1.00	180
RECEPTACLES > 10 KVA	0	0.50	0
LIGHTING	0	1.25	0
MISCELLANEOUS EQUIPMENT	0	1.00	0
OTHER EQUIPMENT (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	17,293	1.25	21,617
HVAC EQUIPMENT (FLA = MCA X 0.8)	76,898	1.00	76,898
KITCHEN EQUIPMENT 4	3,520	0.80	2,816
TOTAL CONNECTED (VA)	97,891		
TOTAL DEMAND (VA)			101,510
TOTAL DEMAND (AMPERES)			281.8
PANEL DEMAND LOADING VS RATING	80.5%		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.

Panel EHG

TYPE:	208	120	VOLTS, 3	PHASE, 4	WIRE	PROVIDE	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE				IF	XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	BOTTOM				CHECKED		ULSE LABEL
	NEMA -	1	ENCLOSURE					ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
RECEPTACLES 49	540	20/1	1	2,460			2	20/1	1,920	GWH1A
GWH2B	1,920	20/1	3		2,290		4	20/1	370	CP1-2
GWH1B	1,920	20/1	5			2,007	6	20/1	87	CP2
CP1-1	370	20/1	7	2,290			8	20/1	1,920	GWH2A
SPARE		20/1	9		0		10	20/1		SPARE
SPARE		20/1	11			0	12	20/1		SPARE
SPARE		20/1	13	0			14	20/1		SPARE
SPARE		20/1	15		0		16	20/1		SPARE
SPARE		20/1	17			0	18	20/1		SPARE
SPARE		20/1	19	0			20	20/1		SPARE
SPARE		20/1	21		0		22	20/1		SPARE
SPARE		20/1	23			0	24	20/1		SPARE
SPARE		20/1	25				26	20/1		SPARE
SPARE		20/1	27				28	20/1		SPARE
SPARE		20/1	29				30	20/1		SPARE
				4,750	2,290	2,007	TTL PHASE VA			
				40	19	17	TTL PHASE AMPS			
				53%	25%	22%	PHASE BALANCE			

NOTES (AS APPLICABLE):
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.
2. GFCI CIRCUIT BREAKER.

60 A. BUS (COPPER, UNO)
60 A. MAIN LUGS AND/OR FEEDER RATING
10 KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 540			
RECEPTACLES FIRST 10 KVA	540	1.00	540
RECEPTACLES > 10 KVA	0	0.50	0
LIGHTING	0	1.25	0
MISCELLANEOUS EQUIPMENT	8,137	1.00	8,137
OTHER EQUIPMENT (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	370	1.25	463
HVAC EQUIPMENT (FLA = MCA X 0.8)	0	1.00	0
KITCHEN EQUIPMENT 0	0	1.00	0
TOTAL CONNECTED (VA)	9,047		
TOTAL DEMAND (VA)			9,140
TOTAL DEMAND (AMPERES)			25.4
PANEL DEMAND LOADING VS RATING	42.3%		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.

Panel EHK

TYPE:	208	120	VOLTS, 3	PHASE, 4	WIRE	PROVIDE	XX	EQUIPMENT GROUND BUS
BOLT-ON	MOUNT:	SURFACE				IF	XX	100 % NEUTRAL BUS
HINGED TRIM	FEED:	BOTTOM				CHECKED		ULSE LABEL
	NEMA -	1	ENCLOSURE					ISOLATED GROUND BAR

LOAD SERVED	LOAD VA	CKT BKR POLES/TRIP	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR POLES/TRIP	LOAD VA	LOAD SERVED
REACH IN REFRIGERATOR (6)	960	20/1	1	1,560			2	20/1	600	TILT SKILLET (26) [SHUNT TRIP CB]
COUNTER HEIGHT REFRIGERATOR (33)	960	20/1	3		960		4	-	-	UNUSABLE (ST COIL)
C/F LIGHTS (49)	720	20/1	5			773	6	15/1	53	EF01
COOLER COIL (50)	480	20/1	7	480			8	20/1		SPARE
FREEZER HEATER (52)	1,200	20/1	9		1,560		10	20/1	360	RECEPTACLES 53E
CONVECTION OVEN (16) [SHUNT TRIP CB]	1,080	20/1	11			2,080	12	20/1	1,000	RECEPTACLE 53
UNUSABLE (ST COIL)		-	13	1,000			14	20/1	1,000	RECEPTACLE 53
SPARE		20/1	15		1,000		16	20/1	1,000	RECEPTACLE 53
SPARE		20/1	17			0	18	20/1		SPARE
SPARE		20/1	19	0			20	20/1		SPARE
HOOD CONTROL POWER	200	20/1	21		400		22	20/1	200	HOOD CONTROL POWER (NOTE 2)
ICE MACHINE (15) (NOTE 2)	1,456	20/2	23			3,432	24	30/2	1,976	FREEZER BLOWING COIL (2d)
|	1,456	|	25	3,432			26	|	1,976	|
KEF03 (D/W HOOD FAN)	562	15/2	27		562		28	15/2		SPARE
|	562	|	29			562	30	|		|
KEF 01 (KITCHEN HOOD 1 FAN)	793	15/3	31	793			32	15/3		SPARE
|	793	|	33		793		34	|		|
|	793	|	35			793	36	|		|
KEF 02 (KITCHEN HOOD 2 FAN)	793	15/3	37	793			38	30/3		SPARE
|	793	|	39		793		40	|		|
|	793	|	41			793	42	|		|
WASHER (NOTE 2)	2,200	30/3	43	2,200			44	60/3		SPARE
|	2,200	|	45		2,200		46	|		|
|	2,200	|	47			2,200	48	|		|
DRYER (NOTE 2)	400	15/3	49	2,800			50	40/3	2,400	C/F CONDENSERS (51)(54) TROUGH
|	400	|	51		2,800		52	|	2,400	|
|	400	|	53			2,800	54	|	2,400	|
				13,057	11,067	13,432	TTL PHASE VA			
				109	92	112	TTL PHASE AMPS			
				35%	29%	36%	PHASE BALANCE			

NOTES (AS APPLICABLE):
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.
2. GFCI CIRCUIT BREAKER

225 A. BUS (COPPER, UNO)
150 A. MAIN LUGS AND/OR FEEDER RATING
25 KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 3,360			
RECEPTACLES FIRST 10 KVA	3,360	1.00	3,360
RECEPTACLES > 10 KVA	0	0.50	0
LIGHTING	720	1.25	900
MISCELLANEOUS EQUIPMENT	7,853	1.00	7,853
OTHER EQUIPMENT (CONTINUOUS)	0	1.25	0
LARGEST MOTOR	0	1.25	0
HVAC EQUIPMENT (FLA = MCA X 0.8)	6,279	1.00	6,279
KITCHEN EQUIPMENT 13	19,344	0.65	12,574
TOTAL CONNECTED (VA)	37,556		
TOTAL DEMAND (VA)			30,965
TOTAL DEMAND (AMPERES)			86.0
PANEL DEMAND LOADING VS RATING	57.3%		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.
4. PROVIDE SHUNT TRIP CIRCUIT BREAKER.

NOTE: ARRANGE PANELBOARD BRANCH CIRCUIT BREAKERS AS SHOWN ON THE ABOVE SCHEDULES. AGREEMENT OF CIRCUIT BREAKER (POLE) NUMBERS WITH THE PANEL SCHEDULES AND ELECTRICAL FLOOR PLANS IS REQUIRED IN ORDER TO AVOID CONFUSION DURING CONSTRUCTION, REDRAWING THE CIRCUITRY FOR RECORD DRAWING PURPOSES AND ACCURATE DOCUMENTATION OF THE AS-BUILT CONDITIONS.

PRUITTHEALTH
FORSYTH COUNTY, L.L.C.
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Architecture Planning Design

REV	DESCR.	DATE
1	REVISIONS PER PLAN REVIEW	09.29.2026

100 BED FACILITY
ELECTRICAL
SCHEDULES

E0.16

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433 ROBERT C. HOWARD, JR.
9/25/2026

09-29-2026 BID

LIGHTING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER/SERIES (BASIS OF DESIGN)	ALTERNATE FIXTURE	NOM. SIZE	TEMP(oK)	LAMPS	VOLTS	DELIVERED LUMENS	WATTS	LENS	COLOR	MOUNTING HEIGHT	BALLAST/ DRIVER	REMARKS
L1	2x4 SURFACE MOUNTED LED	LITHONIA 2RTLX4 72L EZ1 LP840	METALUX 24CZSCT3-UNV SK-24-WS	2'x4'	4000K	LED	120	6669	72		WHITE	SURFACE CEILING	10% DIMMING	24V REMOTE 0-10 VOLT DIMMING DRIVER, QUANTITY AND RATING AS REQUIRED
L2	2x4 SURFACE MOUNTED LED	LITHONIA 2RTLX4 60L EZ1 LP840	METALUX 24CZSCT3-UNV SK-24-WS	2'x4'	4000K	LED	120	5187	55		WHITE	SURFACE CEILING	10% DIMMING	24V REMOTE 0-10 VOLT DIMMING DRIVER, QUANTITY AND RATING AS REQUIRED
L3	2x4 SURFACE MOUNTED LED	LITHONIA 2RTLX4 40L EZ1 LP840	METALUX 24CZSCT3-UNV SK-24-WS	2'x4'	4000K	LED	120	3925	39		WHITE	SURFACE CEILING	10% DIMMING	24V REMOTE 0-10 VOLT DIMMING DRIVER, QUANTITY AND RATING AS REQUIRED
L4	4' SURFACE MOUNTED WRAPAROUND	LITHONIA LBL4 7200LM 80 CRI 40K MIN1 ZT MVOLT	METALUX 4NWS3C3-UNV	4'	4000K	LED	120	7336	62		WHITE	SURFACE CEILING	10% DIMMING	24V REMOTE 0-10 VOLT DIMMING DRIVER, QUANTITY AND RATING AS REQUIRED
L5	4' SURFACE MOUNTED WRAPAROUND	LITHONIA LBL4 4000LM 80 CRI	METALUX 4NWS3C3-UNV	4'	4000K	LED	120	4253	32		WHITE	SURFACE CEILING	10% DIMMING	24V REMOTE 0-10 VOLT DIMMING DRIVER, QUANTITY AND RATING AS REQUIRED
L6	6" RECESSED LED DOWNLIGHT	LITHONIA LDN6 40/40 L06AR LSS MVOLT EZ10	HALO COMM HC630D010 / HM63040840 / 61WDC	6"	4000K	LED	120	3978	44		WHITE	RECESSED CEILING	10% DIMMING	24V REMOTE 0-10 VOLT DIMMING DRIVER, QUANTITY AND RATING AS REQUIRED WHITE PAINTED FLANGE
L7	4" RECESSED LED DOWNLIGHT	LITHONIA LDN4 40/15 L04AR LSS MVOLT EZ10	HALO COMM HC410D010 / HM40525840 / 41WDC	4"	4000K	LED	120	1444	20		WHITE	RECESSED CEILING	10% DIMMING	24V REMOTE 0-10 VOLT DIMMING DRIVER, QUANTITY AND RATING AS REQUIRED WHITE PAINTED FLANGE
L8	LED COVE LIGHT TAPE	Q-TRAN "SW24/4.0" SERIES	IO LIGHTING CS-SL-8SCT-120-ID-UNV-W-SA-STD-1F		4000K	LED	120	349 LUMENS PER LF	4W/LF		WHITE	SURFACE IN COVE	10% DIMMING	24V REMOTE 0-10 VOLT DIMMING DRIVER, QUANTITY AND RATING AS REQUIRED, BW/CLS CONNECTOR/WIRE IN-OUT, WH, CL2, ARKA ST-SST-CL-S1-LENGTH AS REQUIRED EXTRUSION. PROVIDE MANUFACTURER PRODUCED BILL OF MATERIALS AND LAYOUT PLAN FOR EACH INSTALLATION. FIELD VERIFY EXACT LOCATIONS PRIOR TO ROUGH-IN
L10	LED UNDERCABINET LIGHT TAPE	Q-TRAN "SW24/1.5" SERIES	HALO LIGHTING HU1124D9SP		4000K	LED	120	172 LUMENS PER LF	1.5W/LF		WHITE	SURFACE IN/UNDER CABINET		24V REMOTE DRIVER, RATING AS REQUIRED, BW/CLS CONNECTOR/WIRE - IN/OUT,WH,CL2, SLIM ST-SST-CL-S1-LENGTH AS REQUIRED EXTRUSION. PROVIDE MANUFACTURER PRODUCED BILL OF MATERIALS AND LAYOUT PLAN FOR EACH INSTALLATION. FIELD VERIFY EXACT LOCATIONS PRIOR TO ROUGH-IN
L11	SURFACE CEILING LED	LITHONIA LVP58-NODIM-15-40K-120-OP-WHT-WL	BARRON LIGHTING MWQ-20-C-BR	5" x 8"	4000K	LED	120	1793	15		WHITE	SURFACE CEILING		WET LOCATION LISTING
L12	RECESSED WALL MOUNTED NIGHT LIGHT	HEALTHCARE LIGHTING HNL610 MVOLT LEDAMB FW	KENALL LIGHTING MCSLHO-MW-2LAMB-DV		AMBER	LED	120		2		WHITE	RECESSED WALL MOUNTED 18" AFF		AMBER LED
L13	6" RECESSED LED DOWNLIGHT	LITHONIA LDN6 40/30 L06AR LSS MVOLT EZ10	HALO COMM HC430D010 / HM43040840 / 41WDC	6"	4000K	LED	120	3034	35		WHITE	RECESSED CEILING		DAMP LOCATION LABEL, WHITE PAINTED FLANGE
L14	4" RECESSED LED SHOWER LIGHT	LITHONIA LDN4 40/15 L04AR LSS MVOLT EZ10	HALO COMM HC415D010 / HM40525840 / 41PSMDW	4"	4000K	LED	120	1444	20		WHITE	RECESSED CEILING	10% DIMMING	24V REMOTE 0-10 VOLT DIMMING DRIVER, QUANTITY AND RATING AS REQUIRED WET LOCATION LABEL, WHITE PAINTED FLANGE
L16	4' OVERBED LIGHT	KENALL MPWUD-48-MW-FA-1/1	KENALL LIGHTING MPWUD-48-MW-FA1/1	4'	3000K	LED	120	9491	100		WHITE	WALL MOUNTED AT 5'-5" AFF		PROVIDE 4-WAY SWITCH
L17	WALL MOUNTED VANITY LIGHT COMMON AREAS	HINKLEY MILEY 5053BN-LED	ASD LIGHTING CORP ASD-LVF21-24D25CC-NK		3000K	LED	120		10		BRUSHED NICKEL	WALL OVER MIRROR		3-5 WATT G9 LED LAMPS
L18	WALL MOUNTED VANITY LIGHT PATIENT ROOMS	HINKLEY MILEY 5052BN-LED	ASD LIGHTING CORP ASD-LVF21-24D25CC-NK		3000K	LED	120		10		BRUSHED NICKEL	WALL OVER MIRROR		2-5 WATT G9 LED LAMPS
L19	SURFACE MOUNTED LED PATIENT BATHROOMS	PROGRESS LIGHTING P7249 0903K9	ASD LIGHTING CORP ASD-LFMDR-10D16CC-NK		3000K	LED	120	1027	22		WHITE	SURFACE CEILING		
L20	SURFACE MOUNTED LED PATIENT BEDROOMS	PROGRESS LIGHTING P7251 0903K	ASD LIGHTING CORP ASD-LFMOV-MV-32D45CC-NK		3000K	LED	120	2649	39		WHITE	SURFACE CEILING		
L21	WALL MOUNTED LED	BROWNLEE 7704-4-BL-C24-40K	SONNEMAN 7472.74-WL		4000K	LED	120	1400	23		WHITE	WALL FIELD VERIFY		WET LOCATION LABEL
L22	SURFACE MOUNTED LED	LEVITON 49875	HALO LIGHTING VT0840L		4000K	LED	120		14			SURFACE MOUNTED IN ATTIC		100 WATT EQUIVALENT A19 LED LAMP, WIRE GUARD
L24	4' VAPOR TIGHT LED	PHILIPS V3W516840UNVDM	METALUX 4APVTLD-SL3C3		3500	LED	120	3700	35			SURFACE CEILING		WET LOCATION LABEL
X1	LED EXIT FIXTURE	LITHONIA EXR LED M6	SURE-LITES APX7R			LED	120				WHITE	WALL OR CEILING AS INDICATED		SINGLE FACE, 90 MINUTE BATTERY BACKUP
X2	LED EXIT FIXTURE	LITHONIA EXR LED M6	SURE-LITES APX7R			LED	120				WHITE	WALL OR CEILING AS INDICATED		DOUBLE FACE, 90 MINUTE BATTERY BACKUP
X3	LED EXIT FIXTURE	LITHONIA WLTE LED				LED	120				WHITE	WALL OR CEILING AS INDICATED		SINGLE FACE, WET LOCATION LABEL, 90 MINUTE BATTERY BACKUP
E1	EMERGENCY FIXTURE	LITHONIA ELM4L	SURE-LITES APEL			LED	120	640	3		WHITE	WALL AT 7'-6"		90 MINUTE BATTERY BACKUP
E2	WET LOCATION EMERGENCY FIXTURE	LITHONIA ELM4L WPVS LRG W	SURE-LITES APEL			LED	120	640	3		WHITE	WALL AT 7'-6"		90 MINUTE BATTERY BACKUP, WET LOCATION LABEL

REMARKS:
1. 0-10V DIMMING TO 10%
2. PROVIDE 90 MIN BATTERY BACKUP WITH CEILING MOUNTED REMOTE SWITCH
3. MATTE ALZAK REFLECTOR

GENERAL NOTES:
A. THE CONTRACTOR SHALL VERIFY THE LEAD TIME OF ALL PRODUCTS SPECIFIED IN THIS SCHEDULE AT THE TIME OF PACKAGE QUOTE.
B. DURING THE BID PROCESS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DELIVERY/SCHEDULING ISSUES.
C. NO SUBSTITUTIONS WILL BE ALLOWED DUE TO THE LACK OF COORDINATION OF DELIVERY DATES AND CONSTRUCTION SCHEDULE AFTER BID.
D. ALL EXPEDITED DELIVERY EXPENSES SHALL BE THE RESPONSIBILITY OF THE CONTRACTORS.
E. FIXTURES TO BE INSTALLED IN CEILINGS INDICATED ON THE ARCHITECTURAL PLANS AS HAVING INSULATION IN CONTACT WITH THE CEILING SURFACE SHALL BE IC RATED BY MANUFACTURER.
F. LIGHTING FIXTURES SHALL MEET THE AESTHETICS, DESCRIPTION AND SPECIFICATIONS STATED ABOVE AND IN THE DIVISION 16 SPECIFICATIONS, SUBSTITUTIONS SHALL INCLUDE PT. BY PT. CALCULATIONS. PARTICULAR ILLUMINATION RESULTS ARE ESSENTIAL. ANY DEVIATIONS FROM SPECIFIED FIXTURES SHALL DEEM THE SUBMITTING AGENT AND CONTRACTORS RESPONSIBLE IN PROVIDING SUCH DEVIATION FOR THE ARCHITECT/ENGINEER AND OWNER TO MAKE AN INFORMED DECISION.
G. SUBSTITUTIONS FOR RECESSED CANS ARE ACCEPTABLE AS LONG AS THEY ARE EQUAL TO THE FIXTURE SPECIFIED, UNLESS OTHERWISE NOTED. THIS INCLUDES LENS, COLORS, REFLECTORS, PHOTOMETRICS, HOUSING MATERIAL, FINISHES, ETC.
H. ACRYLIC PRISMATIC LENSES SHALL BE 0.125" NOMINAL MINIMUM THICKNESS.
I. ALL EXIT AND EMERGENCY FIXTURES SHALL COMPLY WITH NCSBC STANDARDS AND HAVE AUTOMATIC TESTING DEVICES.
J. LED EMERGENCY BATTERY SHALL PROVIDE A MINIMUM OF 50% OF THE FIXTURE LUMEN OUTPUT FOR 90 MINUTES MINIMUM.
K. LED MODULES SHALL BE REPLACEABLE.
L. ELECTRICAL CONTRACTOR SHALL RECEIVE APPROVAL FOR ALL LIGHTING FIXTURES FROM ARCHITECT/OWNER PRIOR TO PURCHASE AND ROUGH-IN.
M. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL RATINGS.
N. THE ABOVE FIXTURE TYPES ARE LISTED AS THE BASIS OF DESIGN. ALTERNATE FIXTURES LISTED ARE ACCEPTABLE IF EQUAL TO BASIS OF DESIGN FIXTURES.

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100 BED FACILITY
LIGHTING FIXTURE SCHEDULE

E0.17

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433 ROBERT DONALD MCELVEEN
9/25/2026

09-29-2026 BID

DECORATIVE LIGHTING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER/SERIES	NOM. SIZE	TEMP(oK)	LAMPS	VOLTS	DELIVERED LUMENS	WATTS	LENS	COLOR	MOUNTING	BALLAST/ DRIVER	REMARKS
DA	SURFACE LED	ULTRALIGHTS 0480-31-SP-0A-10-40K	31"	4000K	LED	120		80	OPAL ACRYLIC DIFFUSERS	SATIN PEWTER	SURFACE CEILING		4-20 WATT MAX. E26 LED LAMPS, GREEN CREATIVE 4000K
DA1	SUSPENDED LED CHANDALIER	ULTRALIGHTS 15347-SP-OA-10	36"	4000K	LED	120		120	OPAL ACRYLIC DIFFUSERS	SATIN PEWTER	CABLE SUSPENDED FROM CEILING		6-20 WATT MAX. E26 LED LAMPS, GREEN CREATIVE LAMPS 4000K
DA2	SUSPENDED LED	WESPORT ABBEY-1A-GR06-FBLW-DMMOD1	36"	4000K	LED	120	13600	96	OPAL ACRYLIC	ANODIZED SILVER	CABLE SUSPENDED FROM CEILING		LAURA WHITE FABRIC SHADE WITH WHITE ACRYLIC TOP AND BOTTOM DIFFUSER
DB	SUSPENDED LED	ULTRALIGHTS 11206-24-SP-OA-10-40K	24"	4000K	LED	120	7226	80	OPAL ACRYLIC	SATIN PEWTER	CABLE SUSPENDED FROM CEILING	10% DIMMING	0-10V DIMMING, OPAL ACRYLIC BOTTOM DIFFUSER, 14" OAH 4-20 WATT MAX. E26 LED LAMPS, GREEN CREATIVE 4000K
DC	STEM MOUNT LED	ULTRALIGHTS 16356-24-SP-OA-10-40K	24"	4000K	LED	120	7223	80	OPAL ACRYLIC	SATIN PEWTER	STEM MOUNT CEILING		4-20 WATT MAX. E26 LED LAMPS, GREEN CREATIVE 4000K OPAL ACRYLIC BOTTOM DIFFUSER 12" OAH
DC2	SEMI-FLUSH LED	BROWNLEE 2454-30-NT-R49-40K-BLD	30"	4000K	LED	120		40	WHITE ACRYLIC	NICKEL TONE	STEM/CABLE SUSPENDED FROM CEILING		WHITE ACRYLIC DIFFUSER, BI-LEVEL DIMMING
DC3	SUSPENDED LED	BROWNLEE 2608-24-NT-C49LED-SCM-40K	24"	4000K	LED	120		40	WHITE ACRYLIC	NICKEL TONE	STEM/CABLE SUSPENDED FROM CEILING		WHITE ACRYLIC DIFFUSER WITH BONDED WHITE LINEN
DC4	SURFACE LED	ULTRALIGHTS 0480-39-SP-OA-10-40K	39"	4000K	LED	120	7223	47	OPAL ACRYLIC	SATIN PEWTER	SURFACE CEILING		4-20 WATT MAX. E26 LED LAMPS, GREEN CREATIVE 4000K
DC5	SUSPENDED LED	BROWNLEE 2604-30-NT-C49LED-ROW-CC3-40K-DIM	30"	4000K	LED	120	5116	49	WHITE ACRYLIC	NICKEL TONE	CABLE SUSPENDED FROM CEILING		WHITE ACRYLIC DIFFUSER WITH BONDED WHITE LINEN
DC6	PENDANT LED	BROWNLEE 2601-30-NT-R49-NT-SCM-40K	30"	4000K	LED	120		21	WHITE ACRYLIC	NICKEL TONE	STEM/CABLE SUSPENDED FROM CEILING		WHITE ACRYLIC DIFFUSER
DD	RECESSED LED DOWNLIGHT	PRESCOLITE LBP6 6LBP 15L40WH	6"	4000K	LED	120	1500	21		WHITE TRIM RING	RECESSED CEILING	10% DIMMING	24V REMOTE 0-10 VOLT DIMMING DRIVER, QUANTITY AND RATING AS REQUIRED DOWNLIGHT TRIM
DD1	RECESSED LED WALLWASHER DOWNLIGHT	PRESCOLITE LBP6 6LBP 15L40WH WW	6"	4000K	LED	120	1500	15		WHITE TRIM RING	RECESSED CEILING	10% DIMMING	24V REMOTE 0-10 VOLT DIMMING DRIVER, QUANTITY AND RATING AS REQUIRED WALL WASH TRIM
DE1	SURFACE LED	BROWNLEE 2062-24-BN-C24-40K	15"	4000K	LED	120	2829	60		BRUSHED NICKEL	SURFACE CEILING		WHITE ACRYLIC TRANSLUCENT SHADE
DF	PENDANT LED	VISUAL COMFORT / TECH LIGHTING 700MPECPCS-LEDS930	4"	3000K	LED	120	300	75		SATIN NICKEL	CORD SUSPENDED FROM CEILING		CLEAR SHADE
DF1	PENDANT LED	VISUAL COMFORT / TECH LIGHTING 700MPCPTCS-LED930	14"	3000K	LED	120		75		SATIN NICKEL	CORD SUSPENDED FROM CEILING		CLEAR GLASS
DF2	PENDANT LED	VISUAL COMFORT / SEAGULL 6020-04	10"	4000K	LED	120				SATIN NICKEL	CORD SUSPENDED FROM CEILING		1-20 WATT MAX. E26 LED LAMP, GREEN CREATIVE 4000K
DG	PENDANT LED ON SUSPENDED MONORAIL SYSTEM	TECH LIGHTING MONORAIL SYSYTEM WITH 700MO-RVLSS-LEDS930 FIXTURE		3000K	LED	120	700 5 AT 140 PER FIXTURE	40 5 AT 8W PER FIXTURE		SATIN NICKEL	MONORAIL SUSPENDED AT 9'-0" AFF		6' DIAMETER MONORAIL CIRCLE, 12" RIGID STANDOFF, 4" SINGLE CIRCUIT POWER FEED CANOPY. 5 FIXTURES AT 4", 8", 12" 16" AND 20" SUSPENSION. 20" SUSPENSION AT 6'-6" AFF TO BOTTOM OF FIXTURE
DH	EXTERIOR SURFACE LED	SEAGULL 7847902-12	14"	2700K	LED	120	750 EACH	18		BLACK	SUSPENDED FROM CEILING		2-60 WATT EQUIVALENT A-19 LED LAMPS, SATIN ETCHED GLASS
DAA	LED BACK LIT MIRROR	SEURA VEDA 30W X 42H	30" X 42"	3000K	LED	120					WALL FIELD VERIFY		1/4" SILVER GLASS, HARD WIRED, 0-10V DIMMING
DBB	LED WALL SCONCE	BROWNLEE 1450-NT-C24LED-40K-DIM		4000K	LED	120	2558	24		NICKEL TONE	WALL 6'-8" BOTTOM OF FIXTURE	LV DIMMING	LINE VOLTAGE DIMMING DRIVER, QUANTITY AND RATING AS REQUIRED TRASNSLUCENT WHITE ACRYLIC SHADE
DCC	LED WALL SCONCE	BROWNLEE 1442-NT-C09-40K	30"	4000K	LED	120				NICKEL TONE	WALL 6'-8" B.O.F. BOTTOM OF FIXTURE		OPAL GLASS DIFFUSER

REMARKS:
1. 0-10V DIMMING TO 10%
2. PROVIDE 90 MIN BATTERY BACKUP WITH CEILING MOUNTED REMOTE TEST SWITCH

GENERAL NOTES:
- A. THE CONTRACTOR SHALL VERIFY THE LEAD TIME OF ALL PRODUCTS SPECIFIED IN THIS SCHEDULE AT THE TIME OF PACKAGE QUOTE.
- B. DURING THE BID PROCESS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DELIVERY/SCHEDULING ISSUES.
- C. NO SUBSTITUTIONS WILL BE ALLOWED DUE TO THE LACK OF COORDINATION OF DELIVERY DATES AND CONSTRUCTION SCHEDULE AFTER BID.
- D. ALL EXPEDITED DEVLIERY EXPENSES SHALL BE THE RESPONSIBILITY OF THE CONTRACTORS.
- E. FIXTURES TO BE INSTALLED IN CEILINGS, INDICATED ON THE ARCHITECTURAL PLANS AS HAVING INSULATION IN CONTACT WITH THE CEILING SURFACE SHALL BE IC RATED BY MANUFACTURER.
- F. LIGHTING FIXTURES SHALL MEET THE AESTHETICS, DESCRIPTION AND SPECIFICATIONS STATED ABOVE AND IN THE DIVISION 16 SPECIFICATIONS, SUBSTITUTIONS SHALL INCLUDE PT. BY PT. CALCULATIONS. PARTICULAR ILLUMINATION RESULTS ARE ESSENTIAL. ANY DEVIATIONS FROM SPECIFIED FIXTURES SHALL DEEM THE SUBMITTING AGENT AND CONTRACTORS RESPONSIBLE IN PROVIDING SUCH DEVIATION FOR THE ARCHITECT/ENGINEER AND OWNER TO MAKE AN INFORMED DECISION.
- G. SUBSTITUTIONS FOR RECESSED CANS ARE ACCEPTABLE AS LONG AS THEY ARE EQUAL TO THE FIXTURE SPECIFIED, UNLESS OTHERWISE NOTED. THIS INCLUDES LENS, COLORS, REFLECTORS, PHOTOMETRICS, HOUSING MATERIAL, FINISHES, ETC.
- H. ACRYLIC PRISMATIC LENSES SHALL BE 0.125" NOMINAL MINIMUM THICKNESS.
- I. LED EMERGENCY BATTERY SHALL PROVIDE 1400 MINIMUM LUMENS OUTPUT FOR 90 MINUTES MINIMUM.
- J. LED MODULES SHALL BE REPLACEABLE.
- K. ELECTRICAL CONTRACTOR SHALL RECEIVE APPROVAL FOR ALL LIGHTING FIXTURES FROM ARCHITECT/OWNER PRIOR TO PURCHASE AND ROUGH-IN.
- L. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL RATINGS.
- M. THE ABOVE FIXTURE TYPES ARE LISTED AS THE DESIGN BASIS.

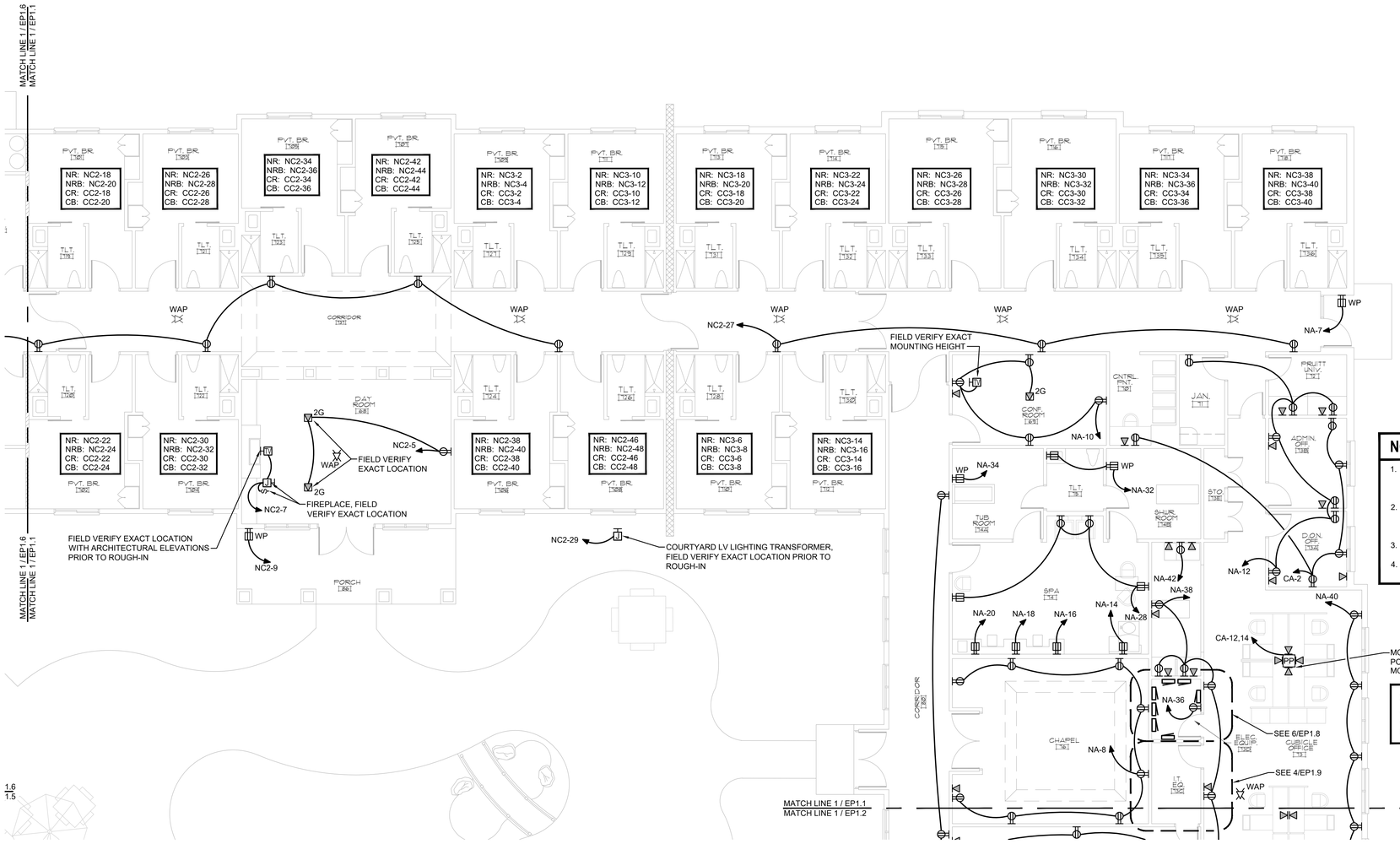
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Winston–Salem, North Carolina

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Architecture Planning Design

100 BED FACILITY
DECORATIVE LIGHT. FIXT. SCHEDULE

E0.18

BEDROOM WIRING LEGEND	
SYMBOL	DESCRIPTION
NR	RECEPTACLE CIRCUIT, NORMAL POWER
CR	RECEPTACLE CIRCUIT, CRITICAL POWER FOR HEADWALL
CB	RECEPTACLE CIRCUIT, CRITICAL POWER FOR BED
NRR	REFRIGERATOR RECEPTACLE CIRCUIT, NORMAL POWER
NRB	BATHROOM RECEPTACLE CIRCUIT, NORMAL POWER
EE	EQUIPMENT CIRCUIT, EMERG. EQUIP POWER FOR DAHU
NL	LIGHTING CIRCUIT, NORMAL POWER
CL	LIGHTING CIRCUIT, CRITICAL POWER

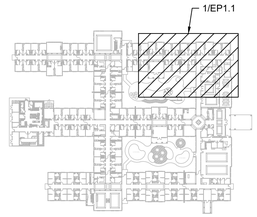


NOTES:

1. ELECTRICAL CLEARANCE NOTE: CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR FOR PANELBOARD CLEAR WORKING SPACE MARKED ON THE FLOOR STATING "ELECTRICAL-NOT FOR STORAGE".
2. LOW VOLTAGE COORDINATION NOTE: COORDINATE ALL LOW VOLTAGE DEVICE LOCATIONS AND MOUNTING HEIGHTS WITH THE LOW VOLTAGE SYSTEMS REFERENCE DRAWINGS.
3. COORDINATE DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
4. SEE ENLARGED BEDROOM PLANS ON SHEET EP1.10 FOR BEDROOM PLANS.

COORDINATION REQUIRED!

VERIFY ALL SYSTEMS FURNITURE POWER CONNECTIONS WITH FURNITURE INSTALLER PRIOR TO ROUGH-IN, TYPICAL FOR ALL POWER POLE AND BASE END FEED LOCATIONS.



1 **PARTIAL POWER PLAN**
1/8" = 1'-0"
0 4' 8' 16'
PLAN NORTH

WALL TYPE LEGEND	
	1 HOUR FIRE BARRIER WALL
	1 HOUR FIRE/SMOKE BARRIER WALL
	2 HOUR FIRE BARRIER WALL
	SMOKE RESISTANT WALL

0 **KEYPLAN**
NOT TO SCALE

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100 BED FACILITY
ELECTRICAL
PARTIAL POWER PLAN

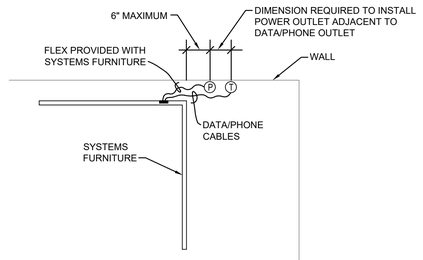
EP 1.1

BEDROOM WIRING LEGEND

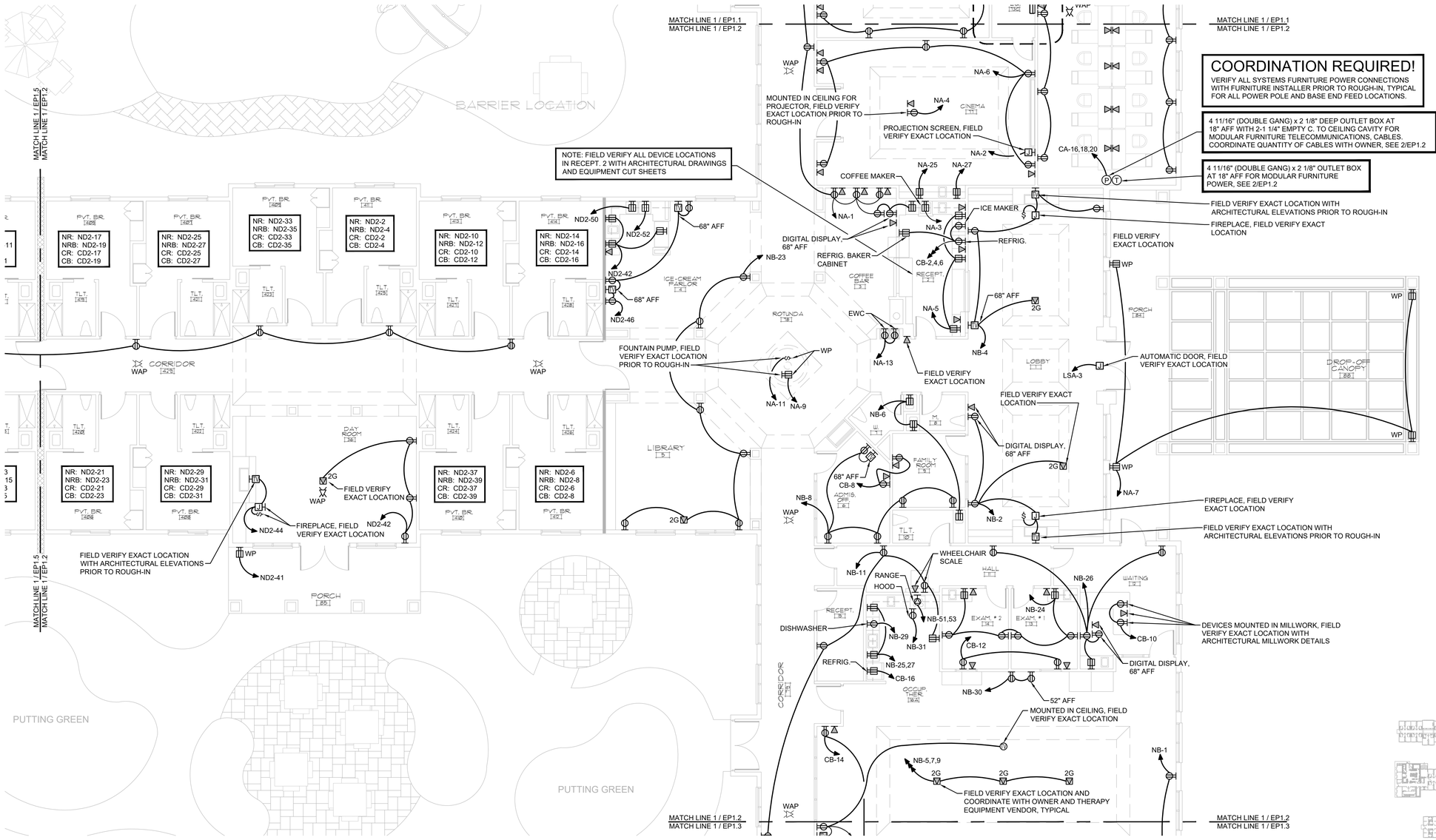
SYMBOL	DESCRIPTION
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CB	RECEPTACLE CIRCUIT, CRITICAL POWER FOR BED
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NRB	BATHROOM RECEPTACLE CIRCUIT, NORMAL POWER
EE	EQUIPMENT CIRCUIT, EMERG. EQUIP POWER FOR DAHU
NL	LIGHTING CIRCUIT, NORMAL POWER
CL	LIGHTING CIRCUIT, CRITICAL POWER

NOTES:

1. ELECTRICAL CLEARANCE NOTE: CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR FOR PANELBOARD CLEAR WORKING SPACE MARKED ON THE FLOOR STATING "ELECTRICAL-NOT FOR STORAGE".
2. LOW VOLTAGE COORDINATION NOTE: COORDINATE ALL LOW VOLTAGE DEVICE LOCATIONS AND MOUNTING HEIGHTS WITH THE LOW VOLTAGE SYSTEMS REFERENCE DRAWINGS.
3. COORDINATE DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
4. SEE ENLARGED BEDROOM PLANS ON SHEET EP1.10 FOR BEDROOM PLANS.



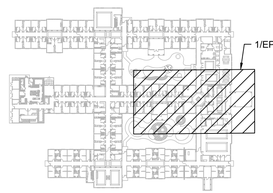
2 SYSTEMS FURNITURE ELECTRICAL CONNECTION DETAIL
NOT TO SCALE



1 PARTIAL POWER PLAN
1/8" = 1'-0"
0 4' 8' 16'
PLAN NORTH

WALL TYPE LEGEND

- 1 HOUR FIRE BARRIER WALL
- 1 HOUR FIRE/SMOKE BARRIER WALL
- 2 HOUR FIRE BARRIER WALL
- SMOKE RESISTANT WALL



0 KEYPLAN
NOT TO SCALE

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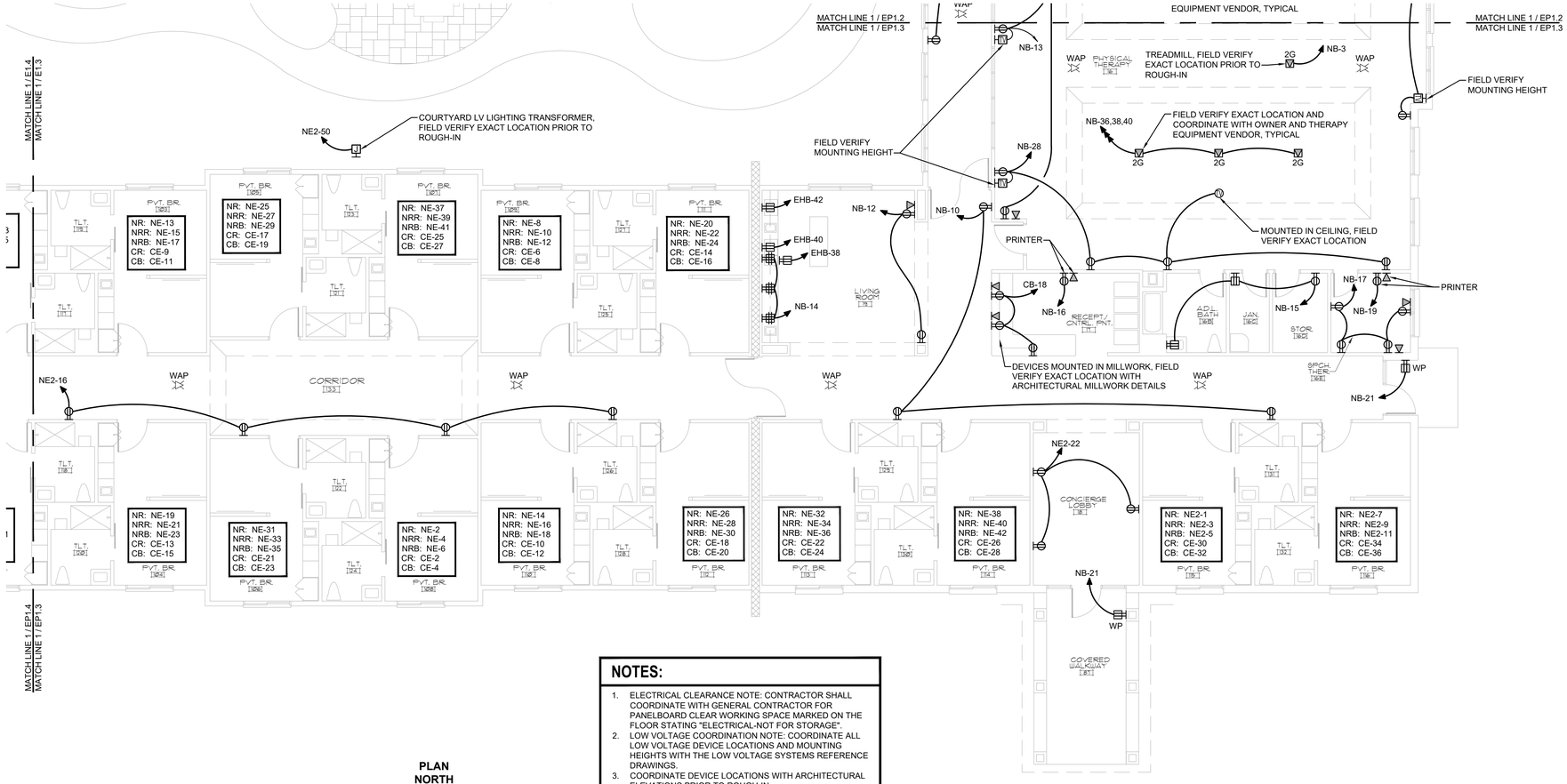
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100 BED FACILITY
ELECTRICAL
PARTIAL POWER PLAN

EP 1.2

BEDROOM WIRING LEGEND	
SYMBOL	DESCRIPTION
NR	RECEPTACLE CIRCUIT, NORMAL POWER
CR	RECEPTACLE CIRCUIT, CRITICAL POWER FOR HEADWALL
CB	RECEPTACLE CIRCUIT, CRITICAL POWER FOR BED
NRR	REFRIGERATOR RECEPTACLE CIRCUIT, NORMAL POWER
NRB	BATHROOM RECEPTACLE CIRCUIT, NORMAL POWER
EE	EQUIPMENT CIRCUIT, EMERG. EQUIP POWER FOR DAHU
NL	LIGHTING CIRCUIT, NORMAL POWER
CL	LIGHTING CIRCUIT, CRITICAL POWER



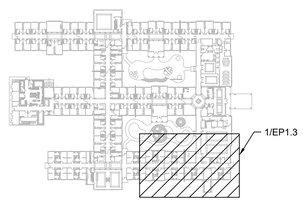
NOTES:

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2. LOW VOLTAGE COORDINATION NOTE: COORDINATE ALL LOW VOLTAGE DEVICE LOCATIONS AND MOUNTING HEIGHTS WITH THE LOW VOLTAGE SYSTEMS REFERENCE DRAWINGS.
3. COORDINATE DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
4. SEE ENLARGED BEDROOM PLANS ON SHEET EP1.10 FOR BEDROOM PLANS.

1 **PARTIAL POWER PLAN**
1/8" = 1'-0"
0 4' 8' 16'

PLAN NORTH

WALL TYPE LEGEND	
	1 HOUR FIRE BARRIER WALL
	1 HOUR FIRE/SMOKE BARRIER WALL
	2 HOUR FIRE BARRIER WALL
	SMOKE RESISTANT WALL



0 **KEYPLAN**
NOT TO SCALE

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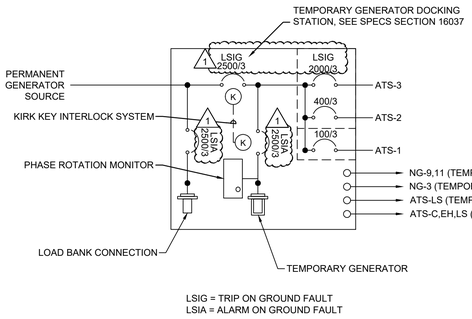
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ELECTRICAL
PARTIAL POWER PLAN

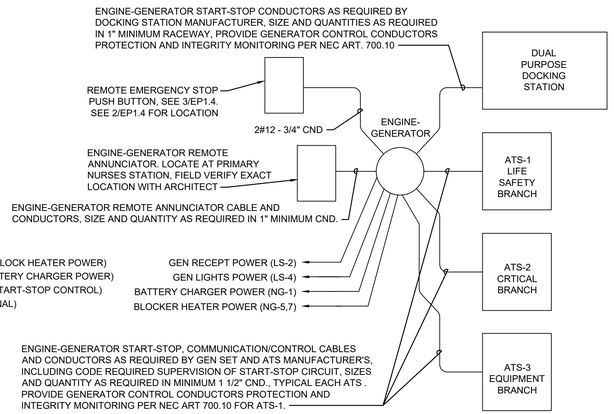
EP 1.3



LSIG = TRIP ON GROUND FAULT
LSIA = ALARM ON GROUND FAULT

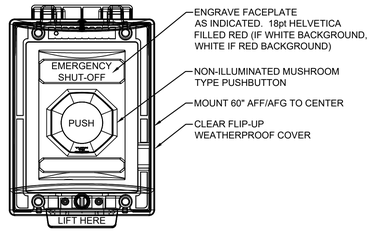
5 DUAL PURPOSE DOCKING STATION DETAIL

NOT TO SCALE



4 GENERATOR CONTROL BLOCK DIAGRAM

NOT TO SCALE



3 ENGINE-GENERATOR REMOTE EMERGENCY SHUTOFF SWITCH

NOT TO SCALE

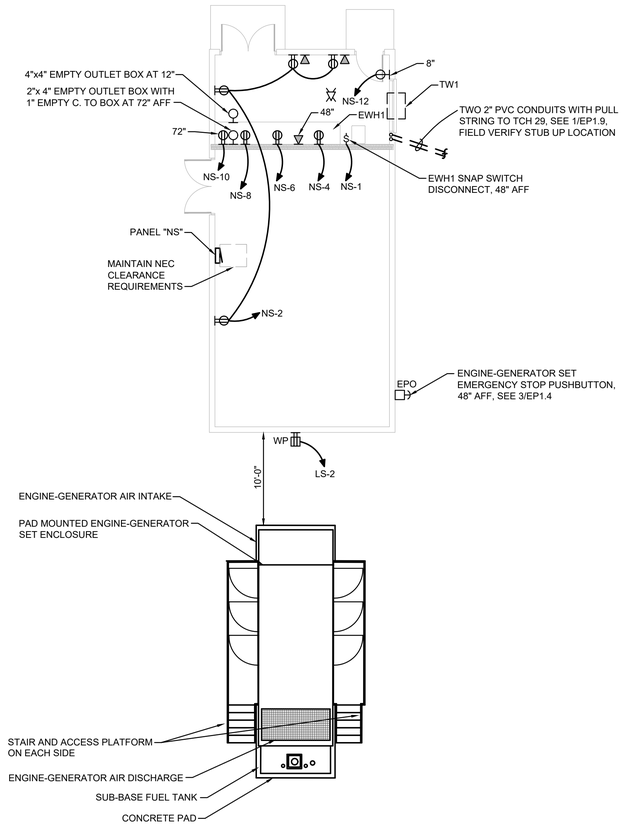
BEDROOM WIRING LEGEND

SYMBOL	DESCRIPTION
NR	RECEPTACLE CIRCUIT, NORMAL POWER
CR	RECEPTACLE CIRCUIT, CRITICAL POWER FOR HEADWALL
CB	RECEPTACLE CIRCUIT, CRITICAL POWER FOR BED
NRR	REFRIGERATOR RECEPTACLE CIRCUIT, NORMAL POWER
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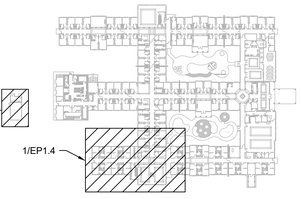
09-29-2026 BID

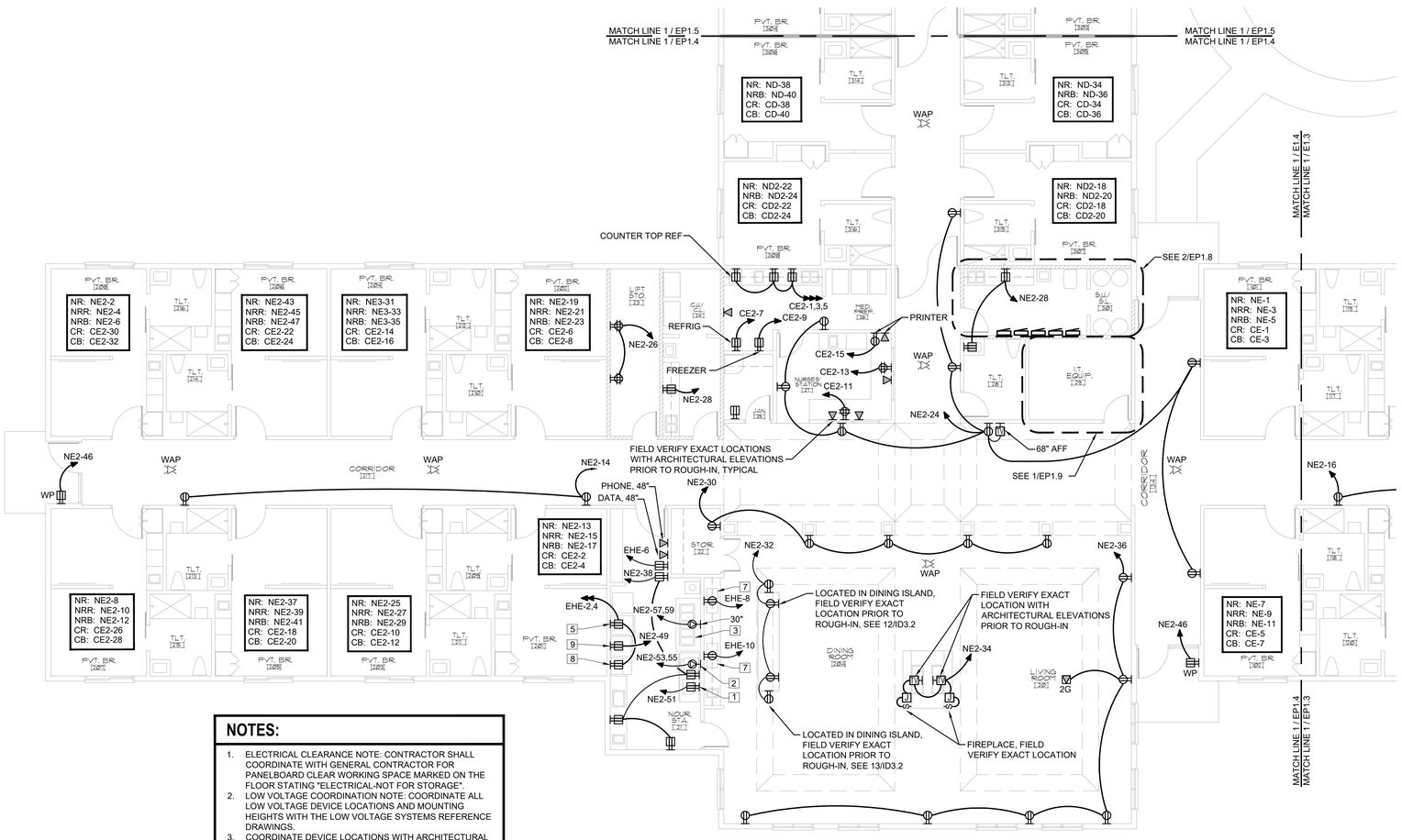


2 STORAGE BUILDING POWER AND ENGINE-GENERATOR SET PLAN

1/8" = 1'-0"

PLAN NORTH





NOTES:

1. ELECTRICAL CLEARANCE NOTE: CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR FOR PANELBOARD CLEAR WORKING SPACE MARKED ON THE FLOOR STATING "ELECTRICAL-NOT FOR STORAGE".
2. LOW VOLTAGE COORDINATION NOTE: COORDINATE ALL LOW VOLTAGE DEVICE LOCATIONS AND MOUNTING HEIGHTS WITH THE LOW VOLTAGE SYSTEMS REFERENCE DRAWINGS.
3. COORDINATE DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
4. SEE ENLARGED BEDROOM PLANS ON SHEET EP1.10 FOR BEDROOM PLANS.

NOURISHMENT STATION EQUIPMENT COORDINATION NOTE

#	# - NOURISHMENT STATION EQUIPMENT NUMBER. SEE NOURISHMENT STATION EQUIPMENT SCHEDULE ON SHEET A12.

1 PARTIAL POWER PLAN

1/8" = 1'-0"

PLAN NORTH

WALL TYPE LEGEND

	1 HOUR FIRE BARRIER WALL
	1 HOUR FIRE/SMOKE BARRIER WALL
	2 HOUR FIRE BARRIER WALL
	SMOKE RESISTANT WALL

0 KEYPLAN

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Architecture Planning Design

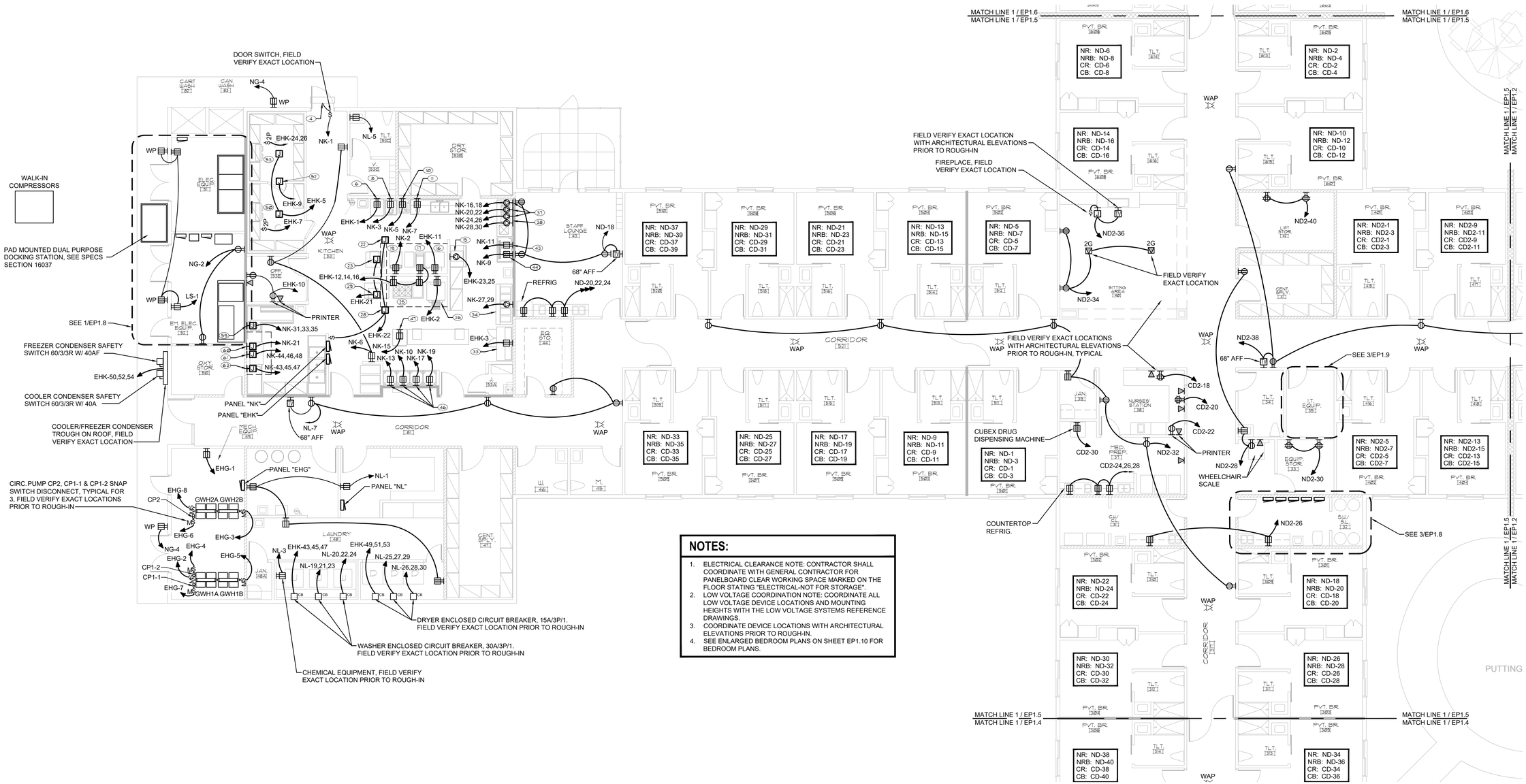
REV	DESCR.	DATE
1	REVISIONS PER PLAN REVIEW	09-29-2026

100 BED FACILITY
ELECTRICAL
PARTIAL POWER PLAN

EP 1.4

KITCHEN EQUIPMENT COORDINATION NOTE

(•)	# - KITCHEN EQUIPMENT NUMBER. SEE KITCHEN EQUIPMENT SCHEDULE ON SHEET A15.



NOTES:

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4. SEE ENLARGED BEDROOM PLANS ON SHEET EP1.10 FOR BEDROOM PLANS.

BEDROOM WIRING LEGEND

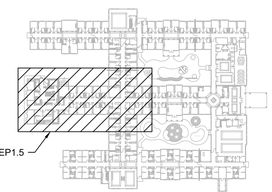
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WALL TYPE LEGEND

- 1 HOUR FIRE BARRIER WALL
- 1 HOUR FIRE/SMOKE BARRIER WALL
- 2 HOUR FIRE BARRIER WALL
- SMOKE RESISTANT WALL

1 **PARTIAL POWER PLAN**
1/8" = 1'-0"
0 4' 8' 16'
PLAN NORTH

0 **KEYPLAN**
NOT TO SCALE



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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433
9/25/2026

09-29-2026 BID

PRUITTHEALTH
FORSYTH COUNTY, L.L.C.
Winston-Salem, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

100 BED FACILITY
ELECTRICAL
PARTIAL POWER PLAN

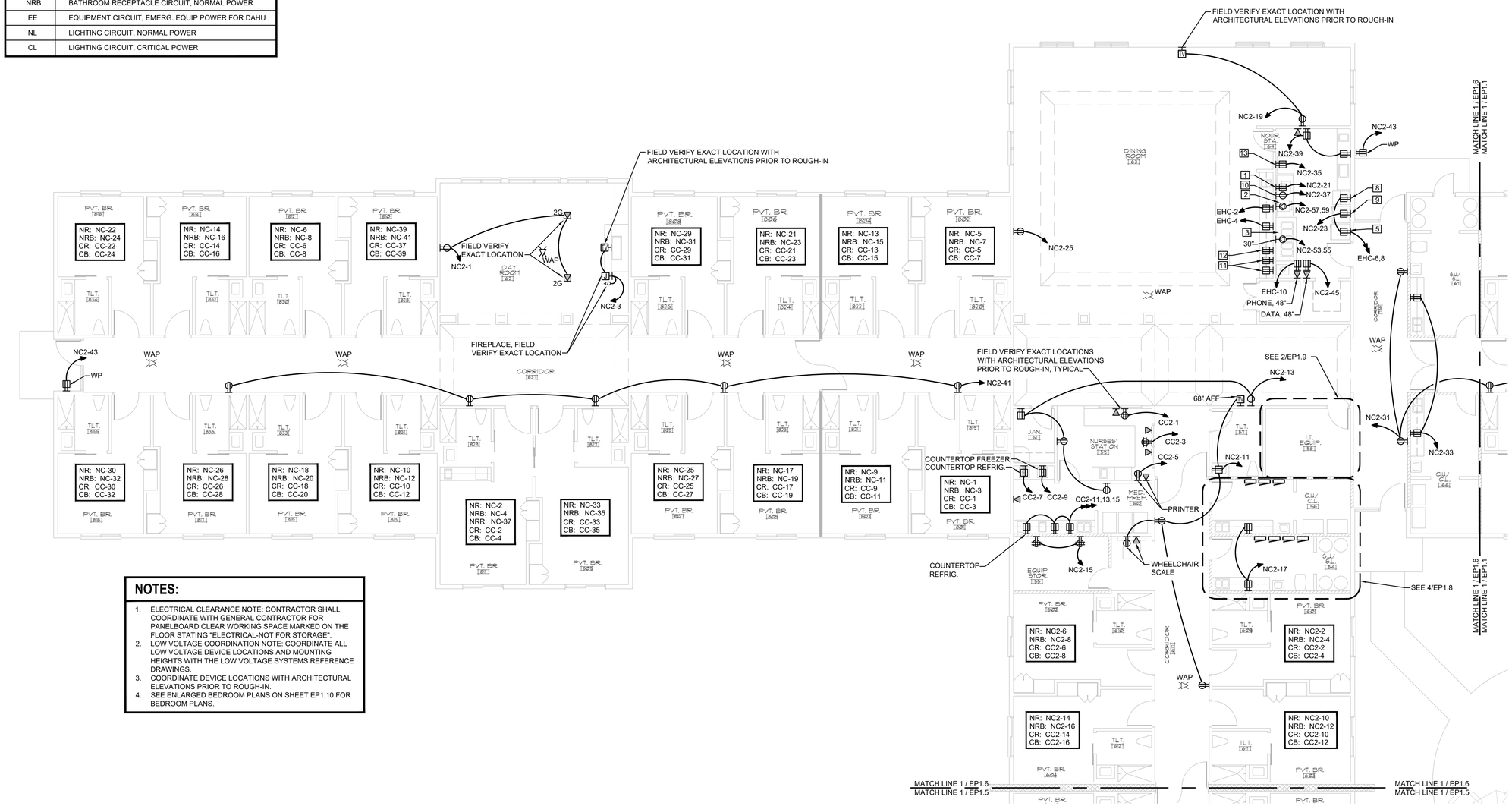
EP 1.5

BEDROOM WIRING LEGEND

SYMBOL	DESCRIPTION
NR	RECEPTACLE CIRCUIT, NORMAL POWER
CR	RECEPTACLE CIRCUIT, CRITICAL POWER FOR HEADWALL
CB	RECEPTACLE CIRCUIT, CRITICAL POWER FOR BED
NRR	REFRIGERATOR RECEPTACLE CIRCUIT, NORMAL POWER
NRB	BATHROOM RECEPTACLE CIRCUIT, NORMAL POWER
EE	EQUIPMENT CIRCUIT, EMERG. EQUIP POWER FOR DAHU
NL	LIGHTING CIRCUIT, NORMAL POWER
CL	LIGHTING CIRCUIT, CRITICAL POWER

NOURISHMENT STATION EQUIPMENT COORDINATION NOTE

#	# - NOURISHMENT STATION EQUIPMENT NUMBER. SEE NOURISHMENT STATION EQUIPMENT SCHEDULE ON SHEET A12.



NOTES:

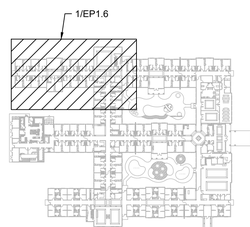
1. ELECTRICAL CLEARANCE NOTE: CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR FOR PANELBOARD CLEAR WORKING SPACE MARKED ON THE FLOOR STATING "ELECTRICAL-NOT FOR STORAGE".
2. LOW VOLTAGE COORDINATION NOTE: COORDINATE ALL LOW VOLTAGE DEVICE LOCATIONS AND MOUNTING HEIGHTS WITH THE LOW VOLTAGE SYSTEMS REFERENCE DRAWINGS.
3. COORDINATE DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
4. SEE ENLARGED BEDROOM PLANS ON SHEET EP1.10 FOR BEDROOM PLANS.

1 **PARTIAL POWER PLAN**
1/8" = 1'-0" 0 4' 8' 16'

PLAN NORTH

WALL TYPE LEGEND

- 1 HOUR FIRE BARRIER WALL
- 1 HOUR FIRE/SMOKE BARRIER WALL
- 2 HOUR FIRE BARRIER WALL
- SMOKE RESISTANT WALL



0 **KEYPLAN**
NOT TO SCALE

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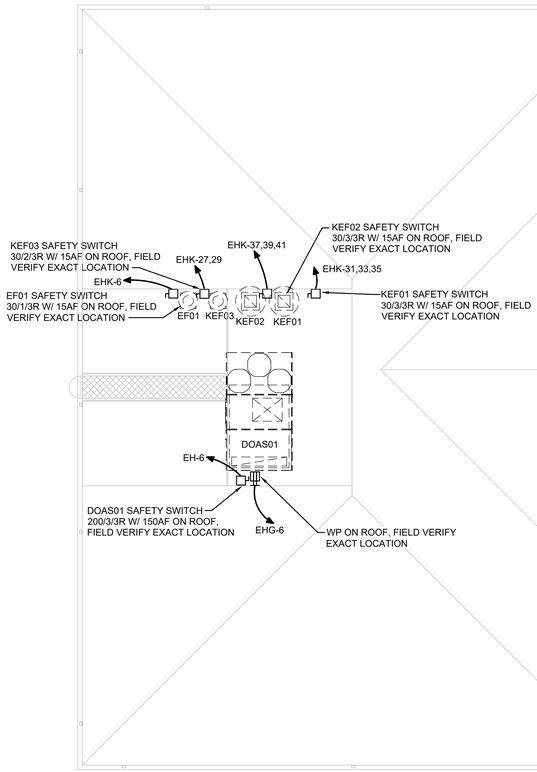
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ELECTRICAL
PARTIAL POWER PLAN

EP 1.6

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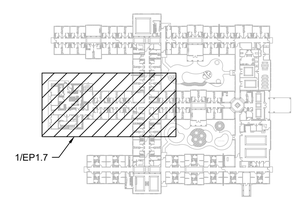
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2 **PARTIAL ROOF POWER PLAN**
1/8" = 1'-0"
0 4' 8' 16'

PLAN NORTH



WALL TYPE LEGEND

	1 HOUR FIRE BARRIER WALL
	1 HOUR FIRE/SMOKE BARRIER WALL
	2 HOUR FIRE BARRIER WALL
	SMOKE RESISTANT WALL

0 **KEYPLAN**
NOT TO SCALE

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FORSYTH COUNTY, L.L.C.
Winston-Salem, North Carolina

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Architecture Planning Design

100 BED FACILITY
ELECTRICAL PARTIAL ROOF POWER PLAN

EP 1.7

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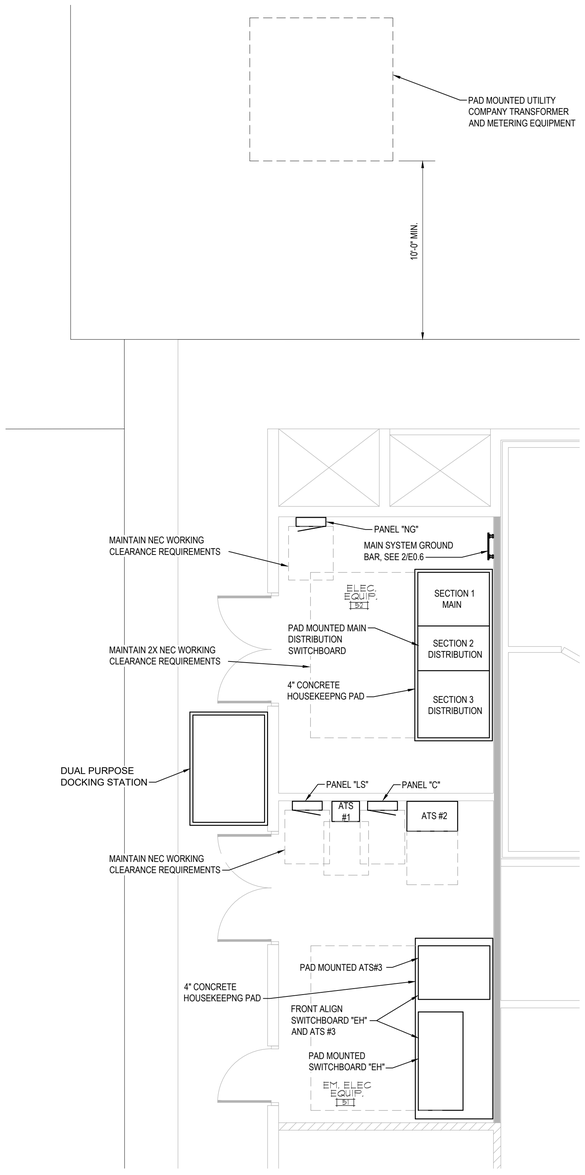
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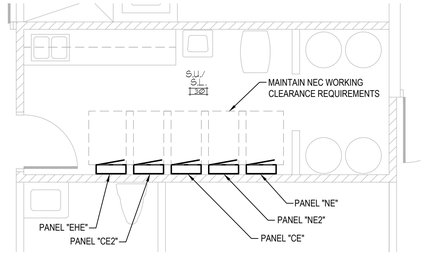
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100 BED FACILITY
ELECTRICAL ENLARGED ELECT. ROOM PLANS

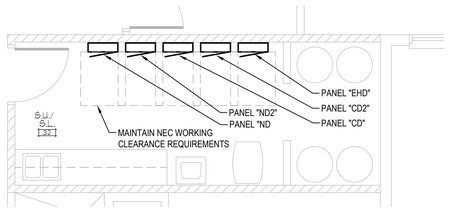
EP 1.8



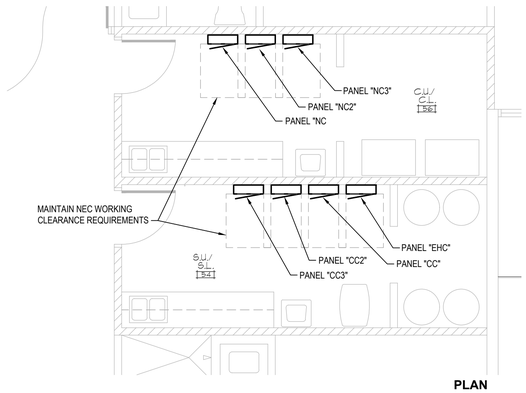
1 ELECT. EQUIP. 51 AND EM. ELECT. EQUIP 52 PLAN
1/4" = 1'-0" 0 2' 4' 8'
PLAN NORTH



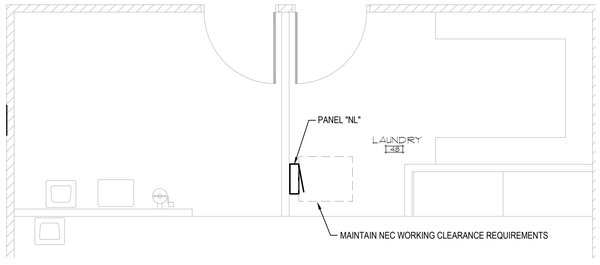
2 S.U./S.L. 30 PLAN
1/4" = 1'-0" 0 2' 4' 8'
PLAN NORTH



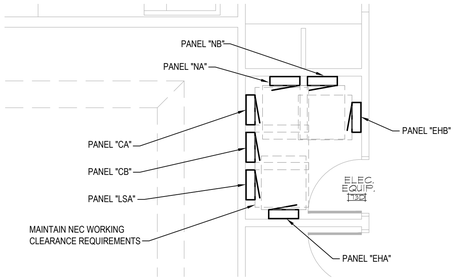
3 S.U./S.L. 32 PLAN
1/4" = 1'-0" 0 2' 4' 8'
PLAN NORTH



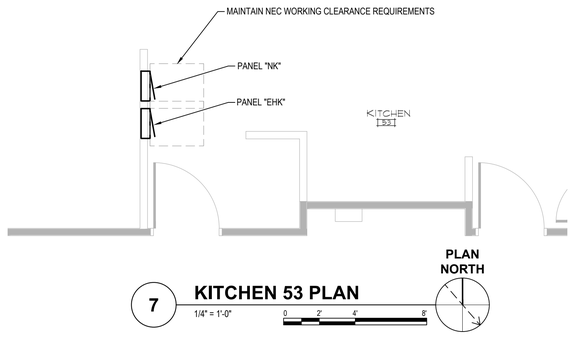
4 S.U./S.L. 54 AND C.U./C.L. 56 PLAN
1/4" = 1'-0" 0 2' 4' 8'
PLAN NORTH



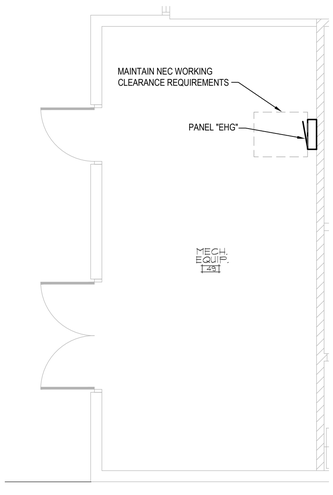
5 LAUNDRY 48 PLAN
1/4" = 1'-0" 0 2' 4' 8'
PLAN NORTH



6 ELECT. EQUIP. 73D PLAN
1/4" = 1'-0" 0 2' 4' 8'
PLAN NORTH



7 KITCHEN 53 PLAN
1/4" = 1'-0" 0 2' 4' 8'
PLAN NORTH

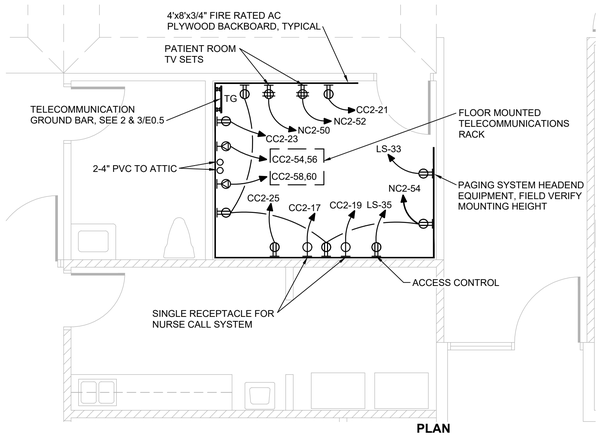


8 MECH. EQUIP. 49
1/4" = 1'-0" 0 2' 4' 8'
PLAN NORTH

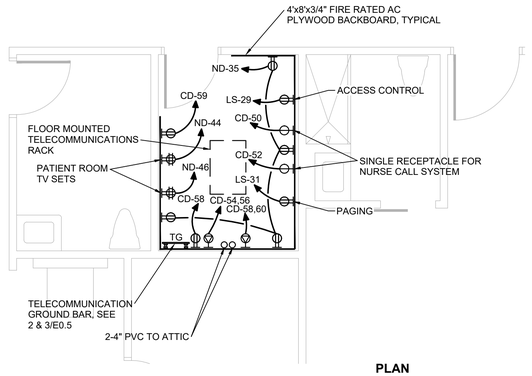
NOTE: IN ALL SPACES CONTAINING ELECTRICAL DISTRIBUTION EQUIPMENT, IE. SWITCHBOARDS, TRANSFORMERS AND PANELBOARDS, PROVIDE A PERMANENTLY MARKED LINE ON THE FLOOR AND WALLS AND THE WORDS "ELECTRICAL - NOT FOR STORAGE" OUTLINING THE REQUIRED CLEAR WORK SPACE.

WALL TYPE LEGEND
- 1 HOUR FIRE BARRIER WALL
- 1 HOUR FIRE/SMOKE BARRIER WALL
- 2 HOUR FIRE BARRIER WALL
- SMOKE RESISTANT WALL

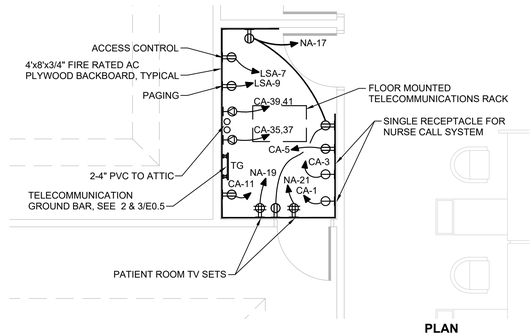
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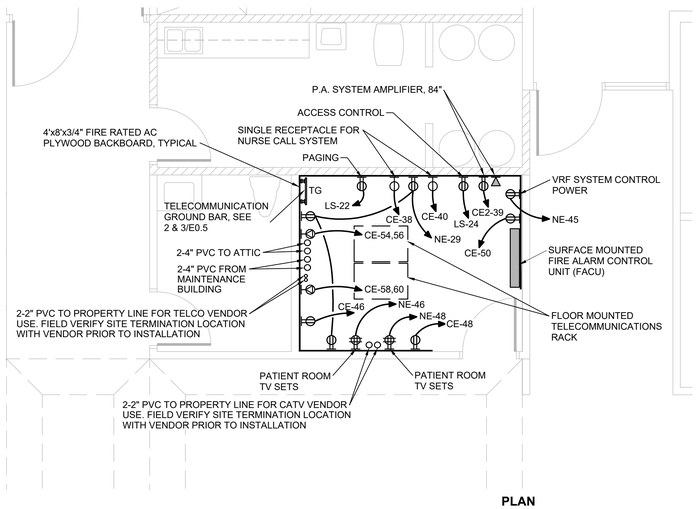
2 **T.D.R. ROOM 58 PLAN**
1/4" = 1'-0" 0 2' 4' 8'
PLAN NORTH



3 **T.D.R. ROOM 35 PLAN**
1/4" = 1'-0" 0 2' 4' 8'
PLAN NORTH



4 **T.D.R. ROOM 73C PLAN**
1/4" = 1'-0" 0 2' 4' 8'
PLAN NORTH



1 **T.C.H. ROOM 29 PLAN**
1/4" = 1'-0" 0 2' 4' 8'
PLAN NORTH

LOW VOLTAGE SYSTEM COORDINATION NOTE

COORDINATE ALL POWER, RACEWAYS, GROUNDING AND LOW VOLTAGE SYSTEMS AND EQUIPMENT DEVICE LOCATIONS AND MOUNTING HEIGHTS WITH THE LOW VOLTAGE SYSTEMS REFERENCE DRAWINGS, SEE LOW VOLTAGE REFERENCE DRAWING NOTES ON SHEET E0.2.

WALL TYPE LEGEND

- 1 HOUR FIRE BARRIER WALL
- 1 HOUR FIRE/SMOKE BARRIER WALL
- 2 HOUR FIRE BARRIER WALL
- SMOKE RESISTANT WALL

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9/25/2026

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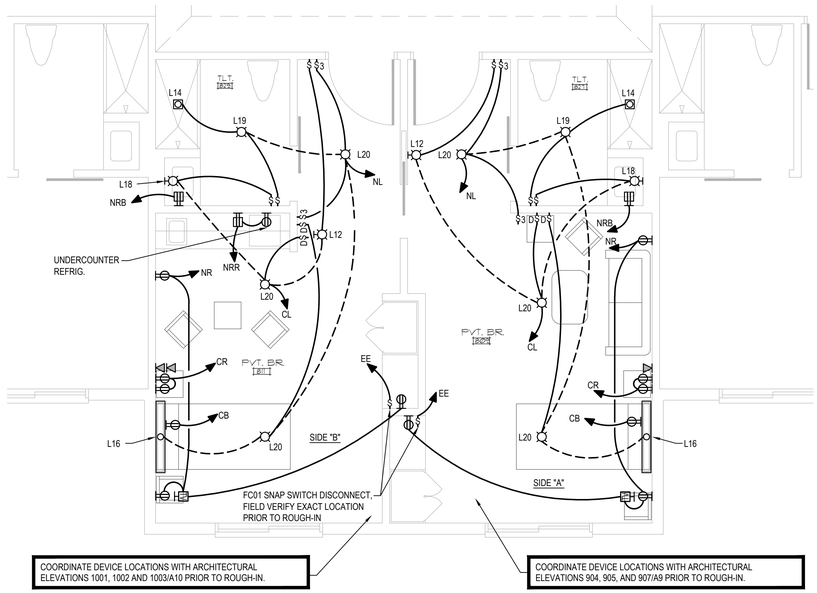
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100 BED FACILITY
TELECOMM.
ENLARGED PLANS

EP 1.9

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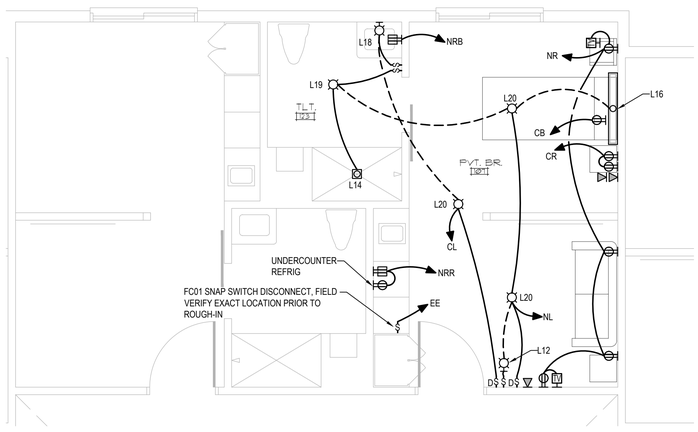


3 TYPICAL COUPLES BEDROOM UNIT POWER AND LIGHTING PLAN

1/4" = 1'-0"

0 2' 4' 8'

COORDINATE DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS 804, 805, 807 AND 810/A8 PRIOR TO ROUGH-IN.

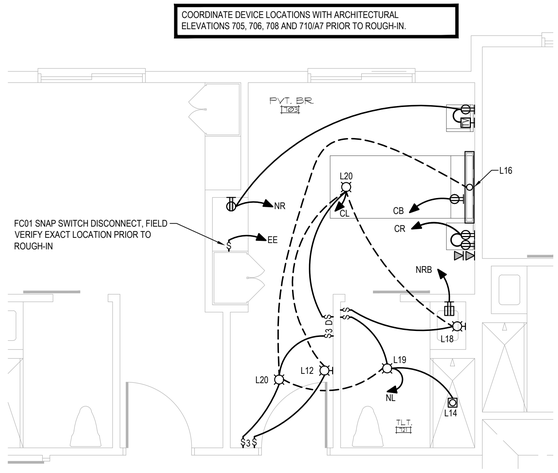


1 TYPICAL CONCIERGE BEDROOM UNIT POWER AND LIGHTING PLAN

1/4" = 1'-0"

0 2' 4' 8'

COORDINATE DEVICE LOCATIONS WITH ARCHITECTURAL ELEVATIONS 705, 706, 708 AND 710/A7 PRIOR TO ROUGH-IN.



2 TYPICAL PRIVATE BEDROOM UNIT POWER AND LIGHTING PLAN

1/4" = 1'-0"

0 2' 4' 8'

LOW VOLTAGE COORDINATION NOTE

COORDINATE ALL LOW VOLTAGE DEVICE LOCATIONS AND MOUNTING HEIGHTS WITH THE LOW VOLTAGE SYSTEMS REFERENCE DRAWINGS

BEDROOM WIRING LEGEND

SYMBOL	DESCRIPTION
NR	RECEPTACLE CIRCUIT, NORMAL POWER
CR	RECEPTACLE CIRCUIT, CRITICAL POWER FOR HEADWALL
CB	RECEPTACLE CIRCUIT, CRITICAL POWER FOR BED
NRR	REFRIGERATOR RECEPTACLE CIRCUIT, NORMAL POWER
NRB	BATHROOM RECEPTACLE CIRCUIT, NORMAL POWER
EE	EQUIPMENT CIRCUIT, EMERG. EQUIP POWER FOR DAHU
NL	LIGHTING CIRCUIT, NORMAL POWER
CL	LIGHTING CIRCUIT, CRITICAL POWER

WALL TYPE LEGEND

- 1 HOUR FIRE BARRIER WALL
- 1 HOUR FIRE/SMOKE BARRIER WALL
- 2 HOUR FIRE BARRIER WALL
- SMOKE RESISTANT WALL

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100 BED FACILITY
ELECTRICAL ENLARGED BEDROOM PLANS

EP 1.10

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DATE 09.29.2026

REV | DESCR.
1 | REVISIONS PER PLAN REVIEW

100 BED FACILITY
ELECTRICAL ATTIC POWER PLAN

EP 1.11

ATTIC DUPLEX RECEPTACLES LOCATIONS INDICATED ARE APPROXIMATE. MAINTAIN SPACING AND PROXIMITY TO MECHANICAL EQUIPMENT LOCATED IN ATTIC AS CLOSELY AS POSSIBLE. COORDINATE DUPLEX RECEPTACLE LOCATIONS TO AVOID CONFLICTS WITH MECHANICAL EQUIPMENT, DUCTWORK, PIPING, STRUCTURAL MEMBERS, ETC., PRIOR TO ROUGH-IN, TYPICAL ATTIC RECETPACLES

ATTIC AND EXTERIOR MECHANICAL EQUIPMENT ELECTRICAL CONNECTIONS SCHEDULE

EQUIPMENT ID [DRAWING CODE]	V	PH	MOCP	LOCAL DISCONNECT (NOTE 4)	MIN CKT CONDX (NOTE 7)
ATTIC EQUIPMENT:					
ALL DUCTLESS AIR HANDLERS [DAH'S]	208	1	15	2 POLE, 20 A SNAP SWITCH	12
ALL ENERGY RECOVERY VENTILATORS [ER'S]	120	1	15	1 POLE, 20 A SNAP SWITCH	12
ALL BRANCH CIRCUIT CONTROLLERS [BC'S]	208	1	15	2 POLE, 20 A SNAP SWITCH	12
ALL DEHUMIDIFIERS [D1]	120	1	15	1 POLE, 20 A SNAP SWITCH	12
AIR HANDLERS AH01,02,14,19,22,32,34	208	1	25	2 POLE, 30A FUSIBLE GDSS	10
AIR HANDLERS AH03,04,07,11,23,25,28,29	208	3	30	3 POLE, 30A FUSIBLE GDSS	10
AIR HANDLERS AH06,10,12,16,21,30,31,33	208	3	35	3 POLE, 60A FUSIBLE GDSS	8
AIR HANDLERS AH08,09,13,15,17,18,20,26,27	208	1	40	1 POLE, 60A FUSIBLE GDSS	8
AIR HANDLERS AH05,24	208	3	45	3 POLE, 60A FUSIBLE GDSS	8
EXTERIOR EQUIPMENT:					
KITCHEN COOLER/FREEZER CONDENSERS TROUGH	208	3	N/A	SEE DRAWINGS	8
DUCTLESS HEAT PUMPS DHP1,2,3,6,8	208	3	60	3 POLE, 60A FUSIBLE HDSS	6
DUCTLESS HEAT PUMP DHP5	208	3	80	3 POLE, 100A FUSIBLE HDSS	4
DUCTLESS HEAT PUMPS DHP4,7	208	3	100	3 POLE, 100A FUSIBLE HDSS	3
HEAT PUMPS HP01,02,14,19,22,32,34	208	1	20	2 POLE, 30A FUSIBLE GDSS	12
HEAT PUMPS HP08,09,13, 15,17,18,20,26,27	208	1	25	2 POLE, 30A FUSIBLE GDSS	10
HEAT PUMPS HP03,04,07,11,23, 25,28,29	208	3	25	3 POLE, 30A FUSIBLE GDSS	10
HEAT PUMPS HP06,10,12,16, 21,30,31,33	208	3	30	3 POLE, 30A FUSIBLE GDSS	10
HEAT PUMPS HP05,24	208	3	35	3 POLE, 60A FUSIBLE GDSS	8
DOAS UNIT	208	3	150	3 POLE, 200A, FUSIBLE HDSS	1/0

NOTES:
1. GDSS = GENERAL DUTY SAFETY SWITCH, NEMA-1,3R ENCLOSURE AS REQUIRED.
2. HDSS = HEAVY DUTY SAFETY SWITCH, NEMA-3R ENCLOSURE.
3. SEE EH SERIES PANEL SCHEDULES FOR CIRCUITS.
4. PROVIDE LOCAL DISCONNECT IF NOT PROVIDED WITH EQUIPMENT.
5. SEE MINIMUM BRANCH CIRCUIT SIZE CHART ON SHEET E0.5 AND INCREASE CONDUCTORS SIZES AS REQUIRED TO ACCOMMODATE CIRCUIT LENGTH.
6. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
7. CONDUCTOR COLUMN IS PHASE AND NEUTRALS (WHERE APPLICABLE). REFER TO DISTRIBUTION SYSTEM / MECH. / PLUMB. / FS / MISC. EQUIP. BR. CIRCUIT & FEEDER TABLE, SHEET E0.5 FOR FULL CIRCUIT DESCRIPTION. SIZES SHOWN ARE COPPER, AWG UNO.

1 **MECH EQUIP AND ATTIC POWER PLAN**
1/16" = 1'-0"
0 8' 16' 32'

PLAN NORTH

WALL TYPE LEGEND
- 1 HOUR FIRE BARRIER WALL
- 1 HOUR FIRE/SMOKE BARRIER WALL
- 2 HOUR FIRE BARRIER WALL
- SMOKE RESISTANT WALL

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TWO HOUR FIRE WALL
ONE HOUR FIRE / SMOKE WALL
ONE HOUR FIRE WALL
ONE HOUR FIRE / SMOKE WALL
TWO HOUR FIRE WALL
ONE HOUR FIRE / SMOKE WALL
ONE HOUR FIRE / SMOKE WALL
TWO HOUR FIRE WALL
BARRIER LOCATION
PUTTING GREEN
PUTTING GREEN

NC-45
NB-33
ND-41
NE-47

ATTIC LIGHTING FIXTURE LOCATIONS INDICATED ARE APPROXIMATE. MAINTAIN SPACING AS CLOSELY AS POSSIBLE. COORDINATE LIGHTING FIXTURE LOCATIONS TO AVOID CONFLICTS WITH MECHANICAL EQUIPMENT, DUCTWORK, PIPING, STRUCTURAL MEMBERS, ETC., PRIOR TO ROUGH-IN, SEE GENERAL NOTE 52, TYPICAL

ATTIC ACCESS, TYPICAL

LOCATE THE SWITCH IN THE ATTIC ADJACENT TO THE OPENING. INSTALL A RED 120V PILOT LIGHT ON THE WALL ADJACENT OR PROXIMATE TO THE PULL DOWN STAIR AT 72" AFF WITH "ATTIC LIGHTING" LABEL, TYPICAL ALL ATTIC ACCESS LOCATIONS. COORDINATE ALL ATTIC LIGHTING FIXTURE SWITCH LOCATIONS WITH FINAL ATTIC ACCESS PANEL LOCATIONS, SEE ARCHITECTURAL SHEETS.

1 **ATTIC LIGHTING PLAN**
1/16" = 1'-0"
0 8' 16' 32'

PLAN NORTH

WALL TYPE LEGEND
- 1 HOUR FIRE BARRIER WALL
- 1 HOUR FIRE/SMOKE BARRIER WALL
- 2 HOUR FIRE BARRIER WALL
- SMOKE RESISTANT WALL

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FORSYTH COUNTY, L.L.C.
Winston–Salem, North Carolina

100 BED FACILITY
ATTIC LIGHTING PLAN

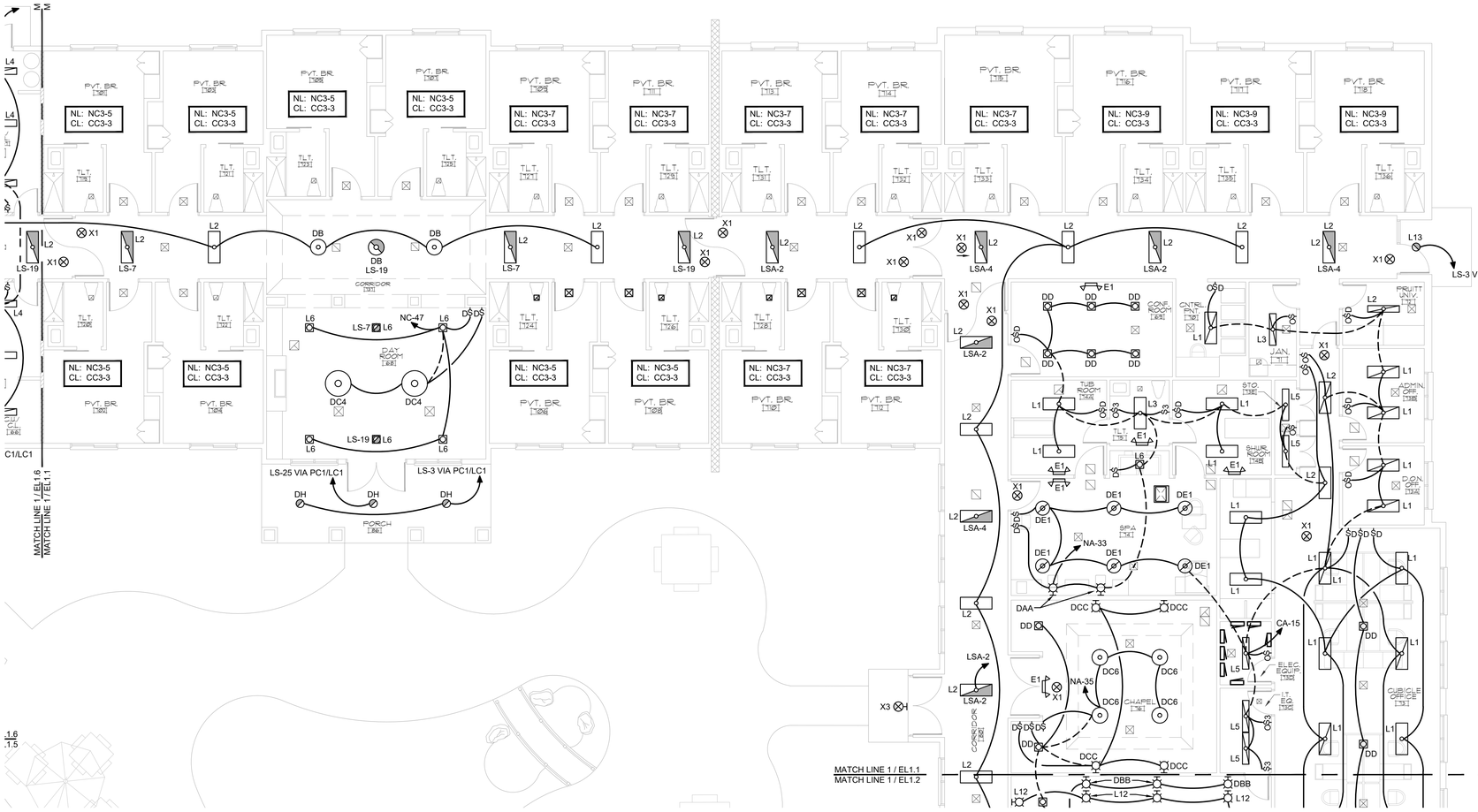
EP 1.12

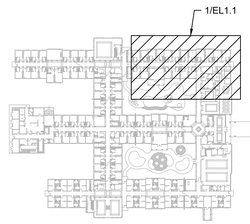
BEDROOM WIRING LEGEND

SYMBOL	DESCRIPTION
NR	RECEPTACLE CIRCUIT, NORMAL POWER
CR	RECEPTACLE CIRCUIT, CRITICAL POWER FOR HEADWALL
CB	RECEPTACLE CIRCUIT, CRITICAL POWER FOR BED
NRR	REFRIGERATOR RECEPTACLE CIRCUIT, NORMAL POWER
NRB	BATHROOM RECEPTACLE CIRCUIT, NORMAL POWER
EE	EQUIPMENT CIRCUIT, EMERG. EQUIP POWER FOR DAHU
NL	LIGHTING CIRCUIT, NORMAL POWER
CL	LIGHTING CIRCUIT, CRITICAL POWER

NOTE:

1. SEE ENLARGED BEDROOM PLANS ON SHEET EP1.10 FOR BEDROOM PLANS.





1 **PARTIAL LIGHTING PLAN**
1/8" = 1'-0"
0 4' 8' 16'
PLAN NORTH

WALL TYPE LEGEND

- 1 HOUR FIRE BARRIER WALL
- 1 HOUR FIRE/SMOKE BARRIER WALL
- 2 HOUR FIRE BARRIER WALL
- SMOKE RESISTANT WALL

0 **KEYPLAN**
NOT TO SCALE

CBHF Engineers, PLLC
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Wilmington, NC 28401 Fax: 910.791.5266
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9/25/2026

09-29-2026 BID

PRUITTHEALTH
FORSYTH COUNTY, L.L.C.
Winston-Salem, North Carolina

Architect
David R. Polston - Architecture
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

100 BED FACILITY
ELECTRICAL
PARTIAL LIGHTING PLAN

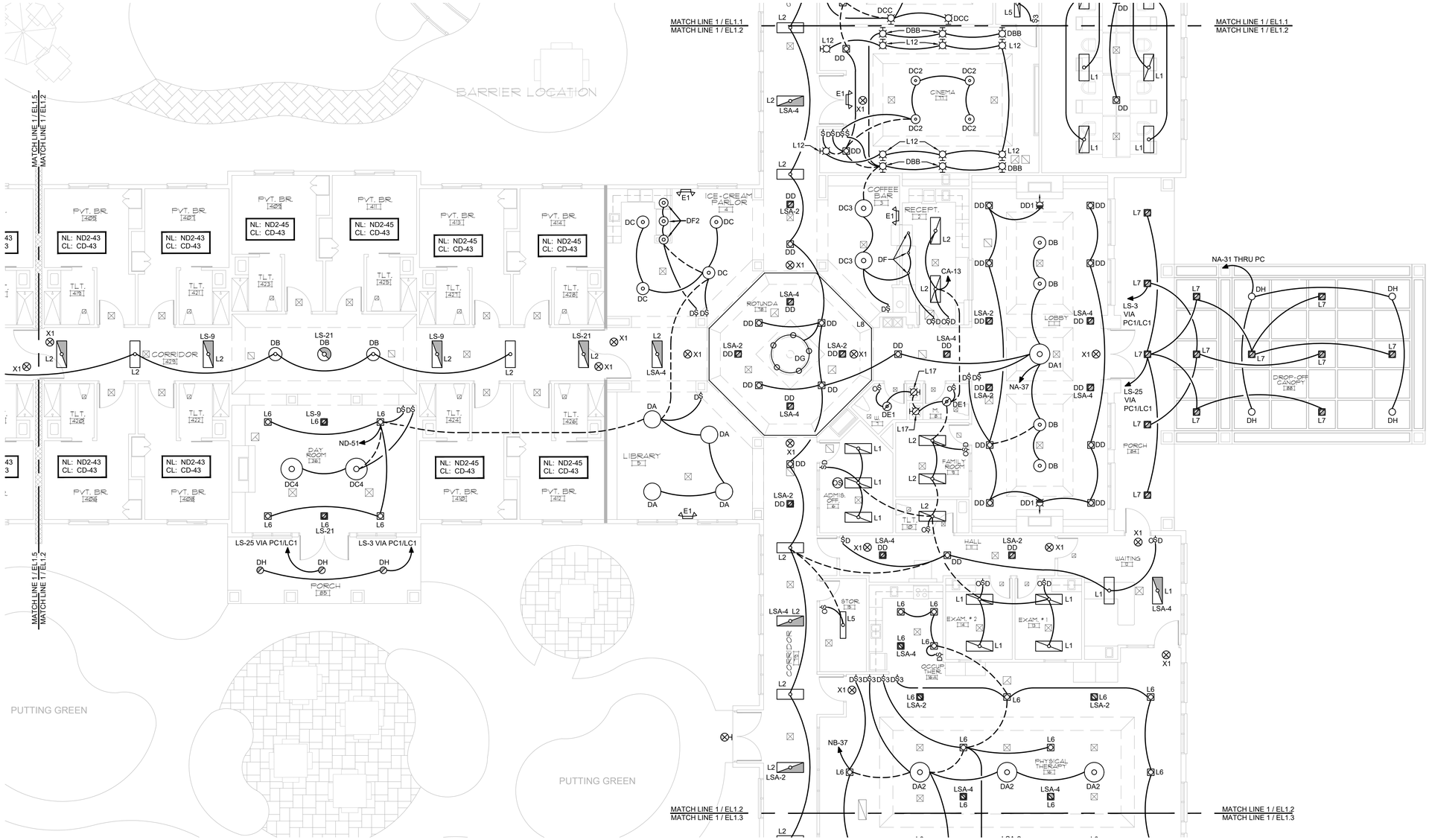
EL 1.1

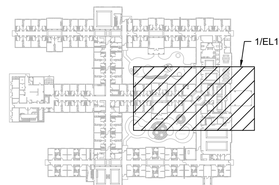
BEDROOM WIRING LEGEND

SYMBOL	DESCRIPTION
NR	RECEPTACLE CIRCUIT, NORMAL POWER
CR	RECEPTACLE CIRCUIT, CRITICAL POWER FOR HEADWALL
CB	RECEPTACLE CIRCUIT, CRITICAL POWER FOR BED
NRR	REFRIGERATOR RECEPTACLE CIRCUIT, NORMAL POWER
NRB	BATHROOM RECEPTACLE CIRCUIT, NORMAL POWER
EE	EQUIPMENT CIRCUIT, EMERG. EQUIP POWER FOR DAHU
NL	LIGHTING CIRCUIT, NORMAL POWER
CL	LIGHTING CIRCUIT, CRITICAL POWER

NOTE:

1. SEE ENLARGED BEDROOM PLANS ON SHEET EP1.10 FOR BEDROOM PLANS.





1 **PARTIAL LIGHTING PLAN**
1/8" = 1'-0"
PLAN NORTH

WALL TYPE LEGEND

- 1 HOUR FIRE BARRIER WALL
- 1 HOUR FIRE/SMOKE BARRIER WALL
- 2 HOUR FIRE BARRIER WALL
- SMOKE RESISTANT WALL

0 **KEYPLAN**
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Architecture Planning Design

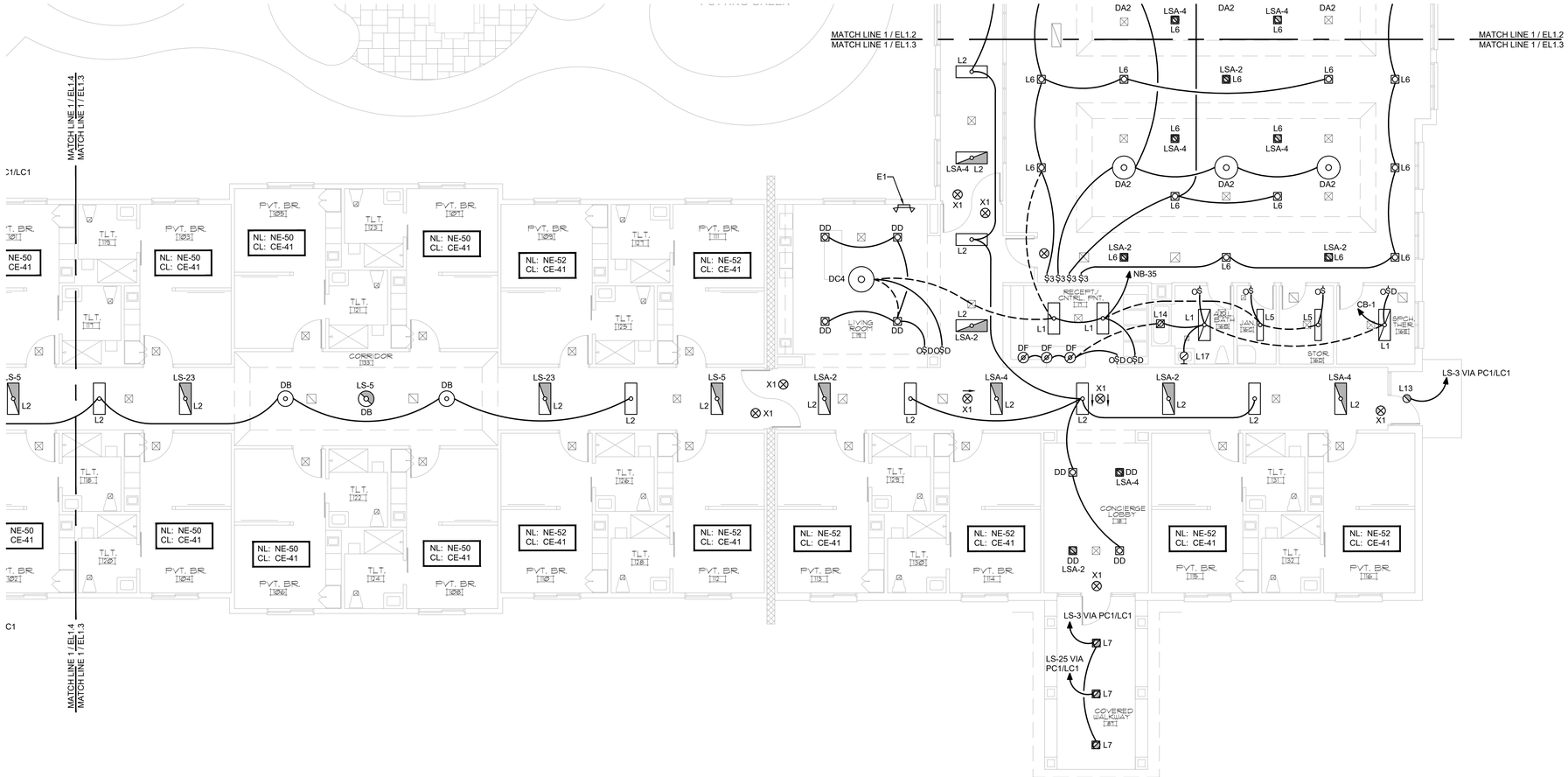
100 BED FACILITY
ELECTRICAL
PARTIAL LIGHTING PLAN

EL 1.2

BEDROOM WIRING LEGEND	
SYMBOL	DESCRIPTION
NR	RECEPTACLE CIRCUIT, NORMAL POWER
CR	RECEPTACLE CIRCUIT, CRITICAL POWER FOR HEADWALL
CB	RECEPTACLE CIRCUIT, CRITICAL POWER FOR BED
NRR	REFRIGERATOR RECEPTACLE CIRCUIT, NORMAL POWER
NRB	BATHROOM RECEPTACLE CIRCUIT, NORMAL POWER
EE	EQUIPMENT CIRCUIT, EMERG. EQUIP POWER FOR DAHU
NL	LIGHTING CIRCUIT, NORMAL POWER
CL	LIGHTING CIRCUIT, CRITICAL POWER

NOTE:

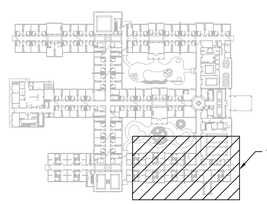
1. SEE ENLARGED BEDROOM PLANS ON SHEET EP1.10 FOR BEDROOM PLANS.



1 **PARTIAL LIGHTING PLAN**
1/8" = 1'-0"
PLAN NORTH

WALL TYPE LEGEND

- 1 HOUR FIRE BARRIER WALL
- 1 HOUR FIRE/SMOKE BARRIER WALL
- 2 HOUR FIRE BARRIER WALL
- SMOKE RESISTANT WALL



0 **KEYPLAN**
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Architecture Planning Design

100 BED FACILITY
ELECTRICAL
PARTIAL LIGHTING PLAN

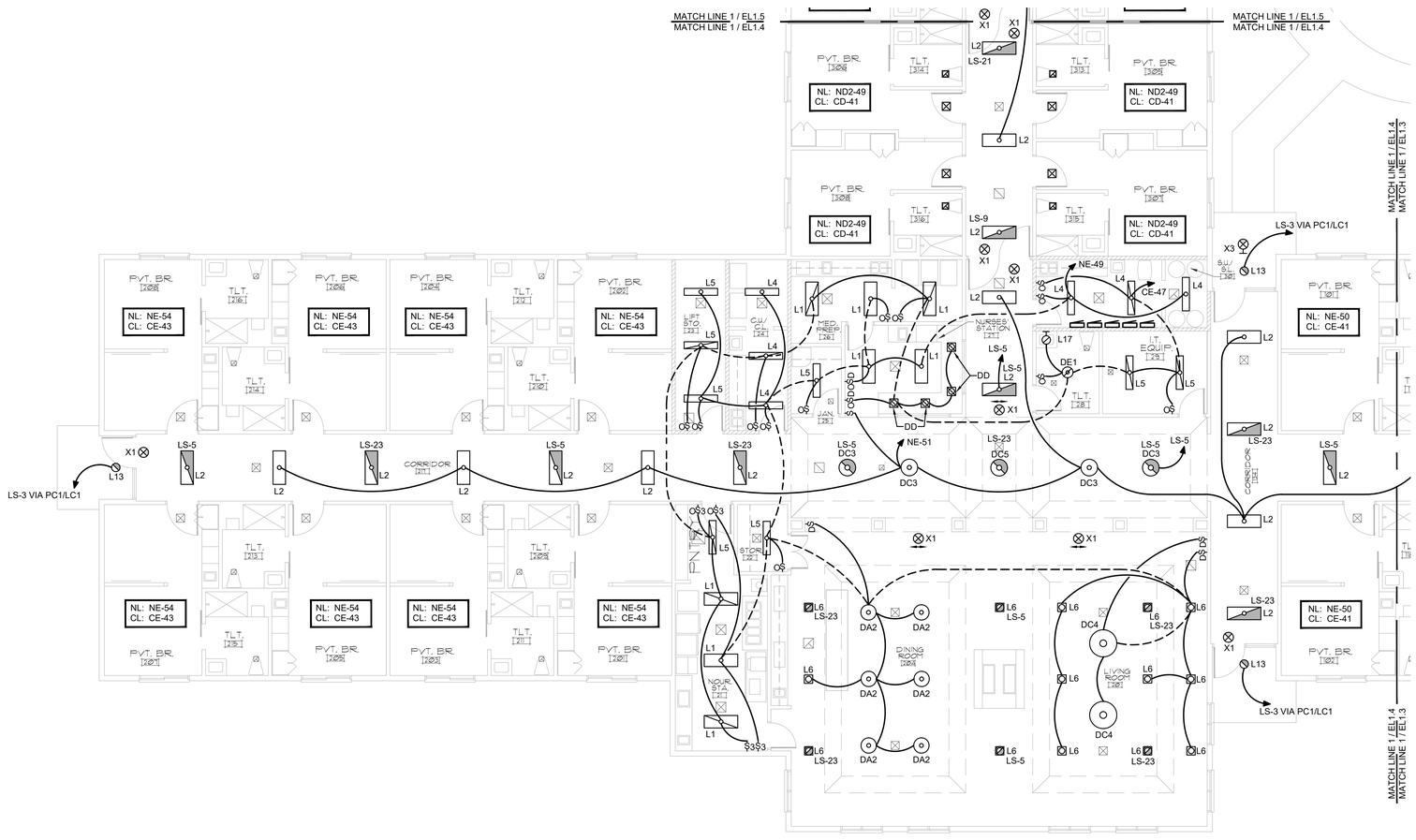
EL 1.3

BEDROOM WIRING LEGEND

SYMBOL	DESCRIPTION
NR	RECEPTACLE CIRCUIT, NORMAL POWER
CR	RECEPTACLE CIRCUIT, CRITICAL POWER FOR HEADWALL
CB	RECEPTACLE CIRCUIT, CRITICAL POWER FOR BED
NRR	REFRIGERATOR RECEPTACLE CIRCUIT, NORMAL POWER
NRB	BATHROOM RECEPTACLE CIRCUIT, NORMAL POWER
EE	EQUIPMENT CIRCUIT, EMERG. EQUIP POWER FOR DAHU
NL	LIGHTING CIRCUIT, NORMAL POWER
CL	LIGHTING CIRCUIT, CRITICAL POWER

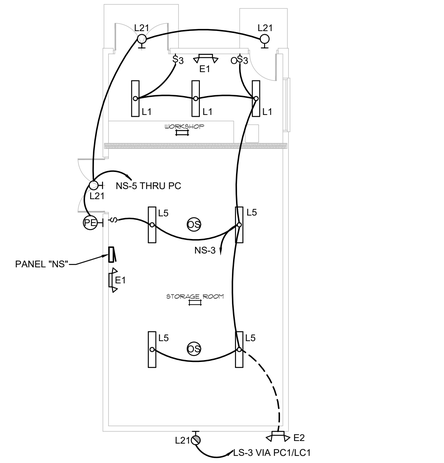
NOTE:

1. SEE ENLARGED BEDROOM PLANS ON SHEET EP1.10 FOR BEDROOM PLANS.



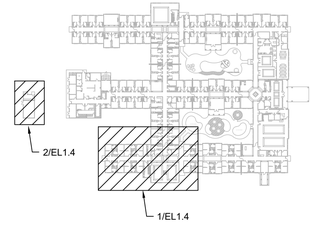
1 **PARTIAL LIGHTING PLAN**
1/8" = 1'-0" (0, 4', 8', 16')

PLAN NORTH



2 **STORAGE BUILDING LIGHTING PLAN**
1/8" = 1'-0" (0, 4', 8', 16')

PLAN NORTH



0 **KEYPLAN**
NOT TO SCALE

WALL TYPE LEGEND

- 1 HOUR FIRE BARRIER WALL
- 1 HOUR FIRE/SMOKE BARRIER WALL
- 2 HOUR FIRE BARRIER WALL
- SMOKE RESISTANT WALL

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Winston-Salem, North Carolina

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Architecture Planning Design

100 BED FACILITY
ELECTRICAL
PARTIAL LIGHTING PLAN

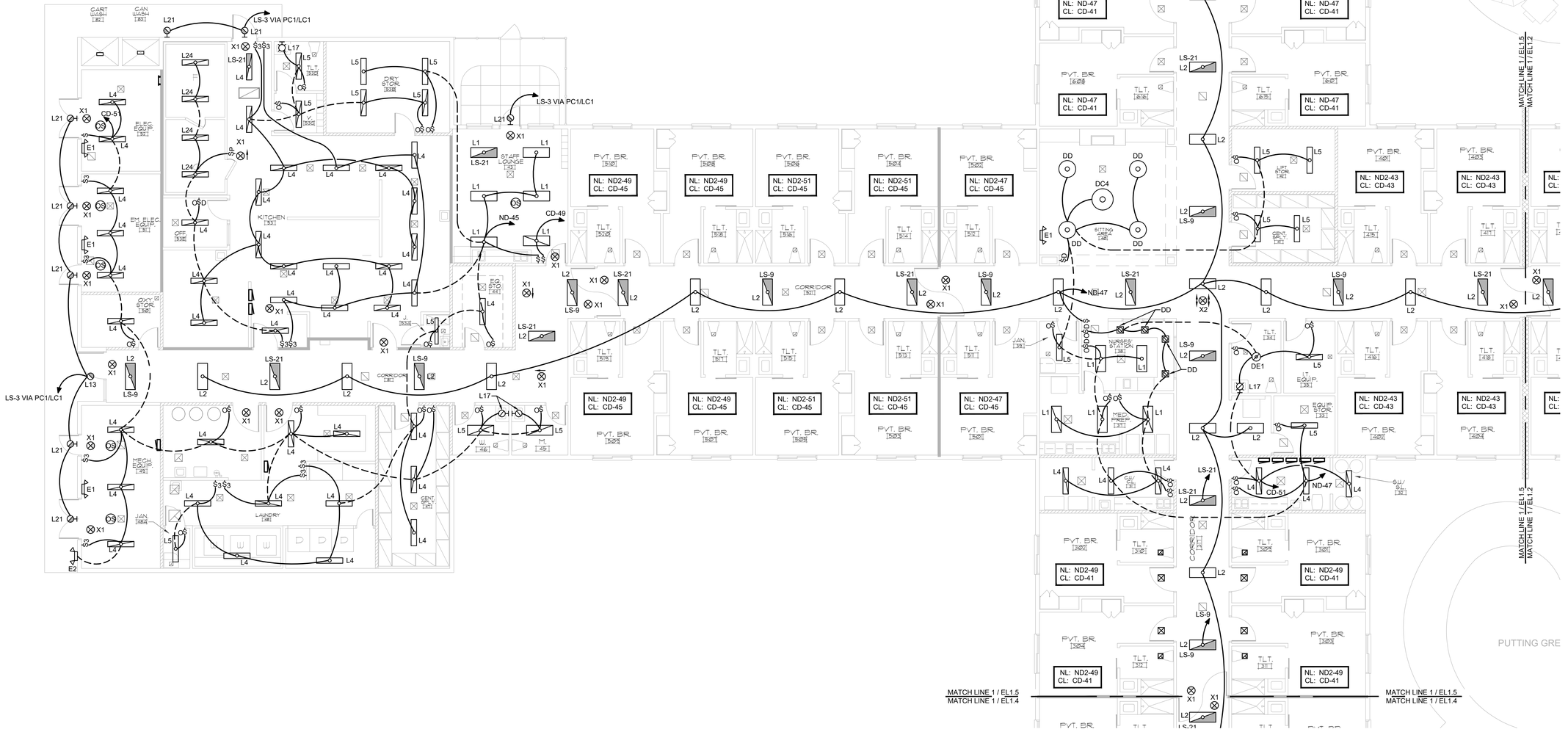
EL 1.4

BEDROOM WIRING LEGEND

SYMBOL	DESCRIPTION
NR	RECEPTACLE CIRCUIT, NORMAL POWER
CR	RECEPTACLE CIRCUIT, CRITICAL POWER FOR HEADWALL
CB	RECEPTACLE CIRCUIT, CRITICAL POWER FOR BED
NRR	REFRIGERATOR RECEPTACLE CIRCUIT, NORMAL POWER
NRB	BATHROOM RECEPTACLE CIRCUIT, NORMAL POWER
EE	EQUIPMENT CIRCUIT, EMERG. EQUIP POWER FOR DAHU
NL	LIGHTING CIRCUIT, NORMAL POWER
CL	LIGHTING CIRCUIT, CRITICAL POWER

NOTE:

1. SEE ENLARGED BEDROOM PLANS ON SHEET EP1.10 FOR BEDROOM PLANS.

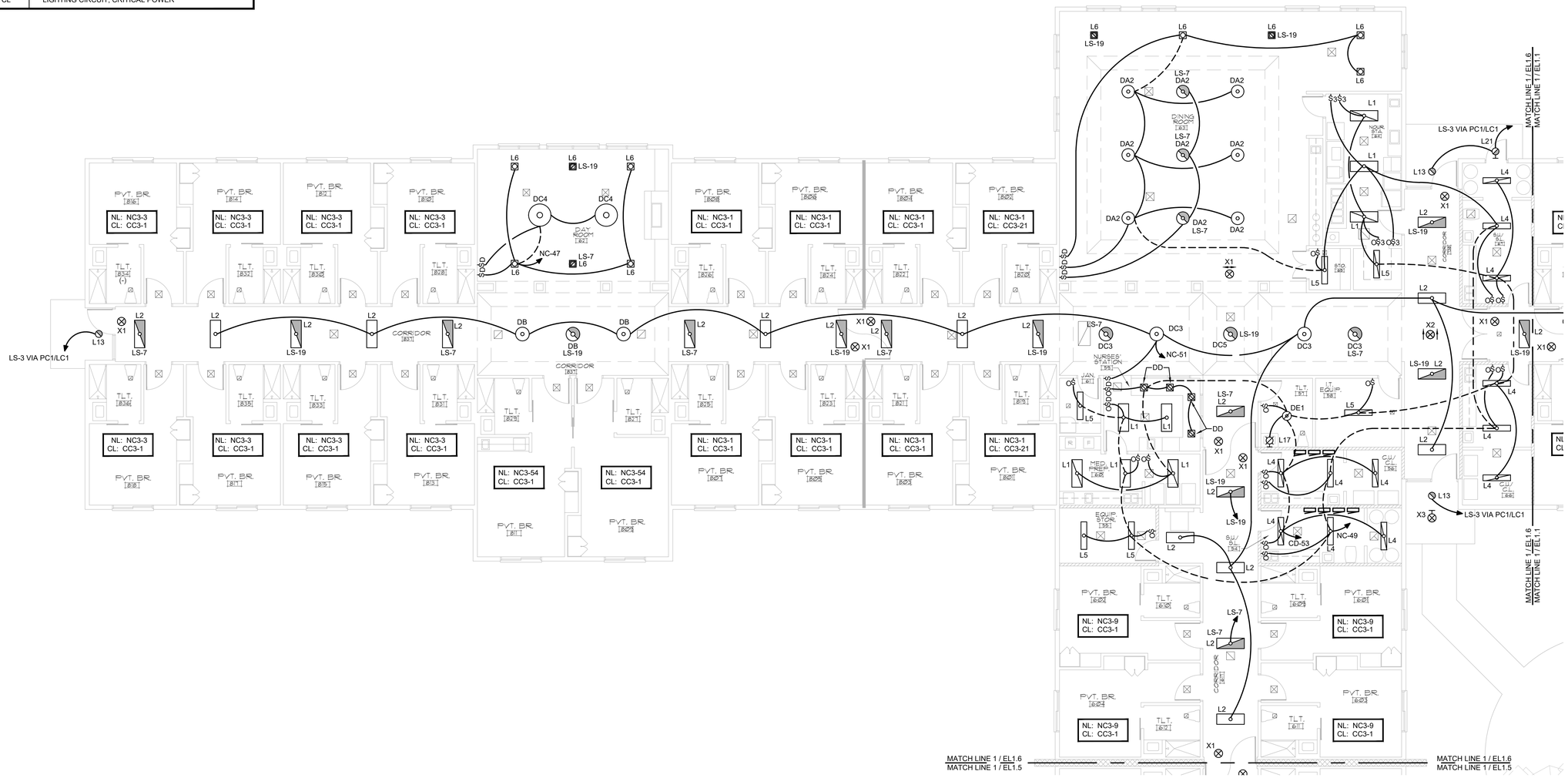

MATCH LINE 1 / EL1.6
MATCH LINE 1 / EL1.5
MATCH LINE 1 / EL1.5
MATCH LINE 1 / EL1.2
MATCH LINE 1 / EL1.5
MATCH LINE 1 / EL1.4
MATCH LINE 1 / EL1.5
MATCH LINE 1 / EL1.4
LS-3 VIA PC1/LC1
CART WASH 182
CAR WASH 183
ELEC. EQUIP. 182
EM. ELEC EQUIP 181
OXY. STOR. 180
MECH. EQUIP. 179
JAN. 184
KITCHEN 183
LAUNDRY 181
CORRIDOR 181
DRY STOR. 183
STAFF LOUNGE 182
EQ. STO. 144
CORRIDOR 301
SITTING AREA 146
NURSES' STATION 145
MED. PREP. 139
LIFT STOR. 142
CENT. SPLY. 141
JAN. 138
EQUIP. STOR. 135
LT. EQUIP. 136
CORRIDOR 131
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PVT. BR. 3252
PVT. BR. 3254
PVT. BR. 3256
PVT. BR. 3258
PVT. BR. 3260
PVT. BR. 3262
PVT. BR. 3264
PVT. BR. 3266
PVT. BR. 3268
PVT. BR. 3270
PVT. BR. 3272
PVT. BR. 3274
PVT. BR. 3276
PVT. BR. 3278
PVT. BR. 3280
PVT. BR. 3282
PVT. BR. 3284

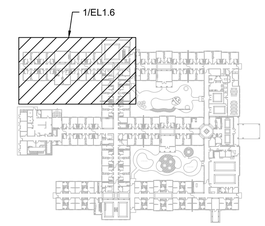
BEDROOM WIRING LEGEND

SYMBOL	DESCRIPTION
NR	RECEPTACLE CIRCUIT, NORMAL POWER
CR	RECEPTACLE CIRCUIT, CRITICAL POWER FOR HEADWALL
CB	RECEPTACLE CIRCUIT, CRITICAL POWER FOR BED
NRR	REFRIGERATOR RECEPTACLE CIRCUIT, NORMAL POWER
NRB	BATHROOM RECEPTACLE CIRCUIT, NORMAL POWER
EE	EQUIPMENT CIRCUIT, EMERG. EQUIP POWER FOR DAHU
NL	LIGHTING CIRCUIT, NORMAL POWER
CL	LIGHTING CIRCUIT, CRITICAL POWER

NOTE:

1. SEE ENLARGED BEDROOM PLANS ON SHEET EP1.10 FOR BEDROOM PLANS.





1 **PARTIAL LIGHTING PLAN**
1/8" = 1'-0"
0 4' 8' 16'
PLAN NORTH

WALL TYPE LEGEND

- 1 HOUR FIRE BARRIER WALL
- 1 HOUR FIRE/SMOKE BARRIER WALL
- 2 HOUR FIRE BARRIER WALL
- SMOKE RESISTANT WALL

0 **KEYPLAN**
NOT TO SCALE

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433
9/25/2026

09-29-2026 BID

PRUITTHEALTH
FORSYTH COUNTY, L.L.C.
Winston-Salem, North Carolina

Architect
David R. Polston - Architecture
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

100 BED FACILITY
ELECTRICAL
PARTIAL LIGHTING PLAN

EL 1.6

JOB NO	MODEL NUMBER	DRAWN BY	SCHEMATIC TYPE
5905075	SC-320110MA		INSTALL
	JOB NAME: Pruitt Health - Winston-Salem	DATE: 4/4/2023	DWG NO: ECP #1-1

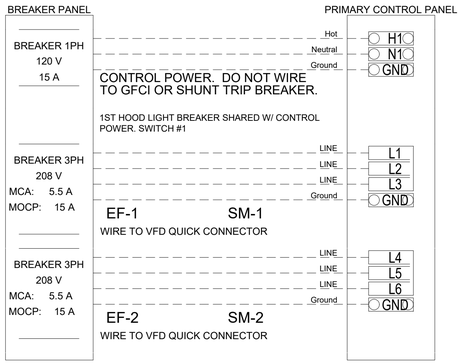
DESCRIPTION OF OPERATION:

3 Phase w/ control for 2 Exhaust Fans, Exhaust on in Fire, Lights out in Fire, Relay On/Off with Supply Fan, Fan(s) On/Off Thermostatically Controlled. Room temperature sensor shipped loose for field installation. INVERTER DUTY 3 PHASE MOTOR REQUIRED FOR USE WITH VFD.

BREAKER PANEL TO PRIMARY CONTROL PANEL

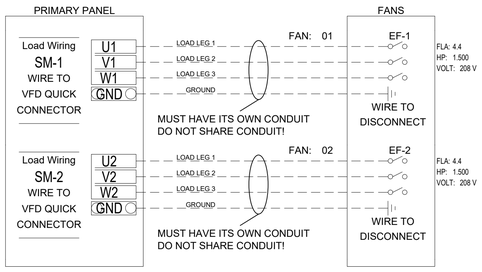
Responsibility: Electrician

BREAKER SIZE SHOWN IS THE MAXIMUM ALLOWED



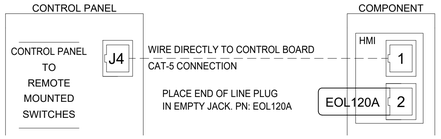
CONTROL PANEL TO FANS

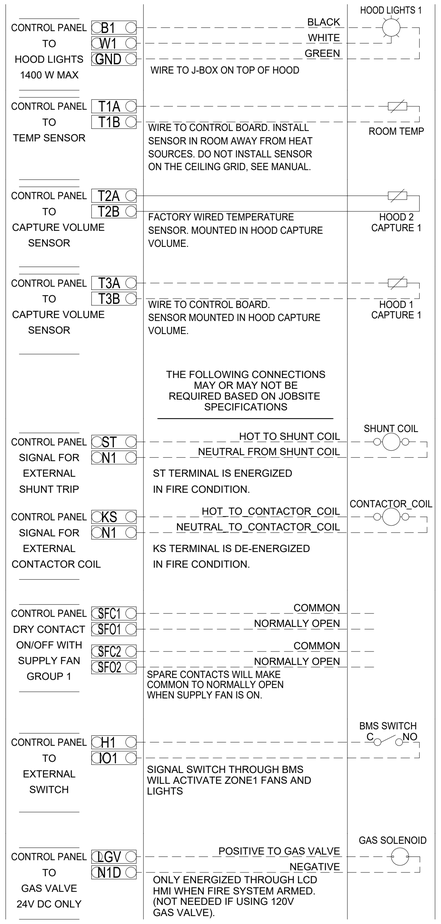
Responsibility: Electrician

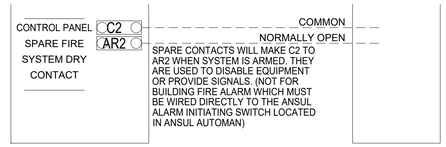


CONTROL PANEL TO ACCESSORY ITEMS

Responsibility: Electrician

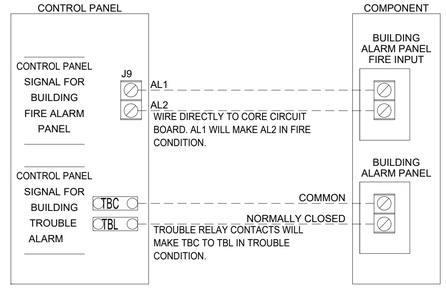






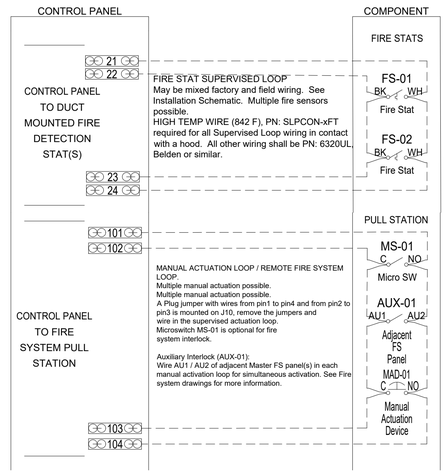
CONTROL PANEL TO FIRE SYSTEM

Responsibility: ALARM CONTRACTOR



CONTROL PANEL TO FIRE SYSTEM

Responsibility: CERTIFIED INSTALLER



KITCHEN HOOD ELECTRICAL COORDINATION NOTES

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433 REGISTERED 9/25/2026

09-29-2026 BID

PRUITTHEALTH
FORSYTH COUNTY, L.L.C.
Winston-Salem, North Carolina

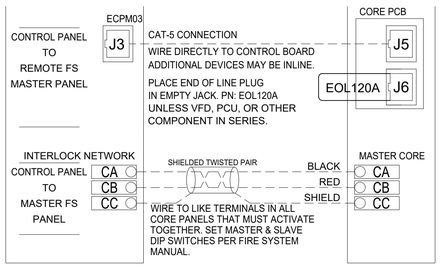
David R. Polston - Architect
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning

100 BED FACILITY
ELECTRICAL
REFERENCES

ER 1.1

JOB NO	MODEL NUMBER	DRAWN BY	SCHEMATIC TYPE
5905075	SC-320110MA		INSTALL
	JOB NAME: Pruitt Health - Winston-Salem	DATE: 4/4/2023	DWG NO: ECP #1-2

DESCRIPTION OF OPERATION:
3 Phase w/ control for 2 Exhaust Fans, Exhaust on in Fire, Lights out in Fire, Relay On/Off with Supply Fan, Fan(s) On/Off Thermostatically Controlled. Room temperature sensor shipped loose for field installation. INVERTER DUTY 3 PHASE MOTOR REQUIRED FOR USE WITH VFD.



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9/25/2026

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ELECTRICAL
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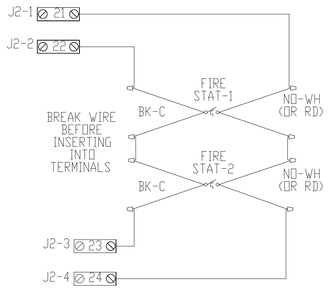
ER 1.2

JOB NO	MODEL NUMBER	DRAWN BY	SCHEMATIC TYPE	DESCRIPTION OF OPERATION:
5905075	SC-320110MA		INSTALL	Fire System #1 TANK FS - 4.0/4.0/4.0.
	JOB NAME Pruitt Health - Winston-Salem	DATE 4/4/2023	DWG NO FCP #1-5	

TANK PROTECTION LOW-VOLTAGE FIGURES

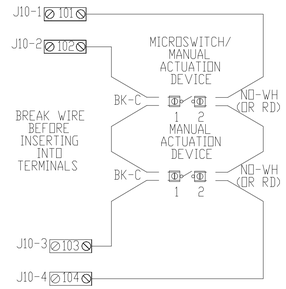
02/10/2021 Rev. 17

FS-1: MASTER

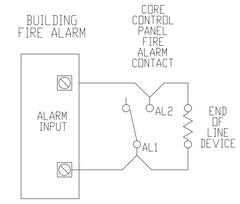


WIRING CONNECTIONS FOR FIRESTAT LOOP
FIGURE 1

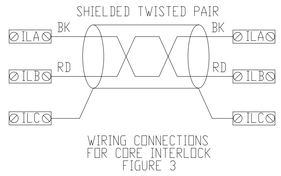
USE BELDEN #6320UL OR SIMILAR WIRE



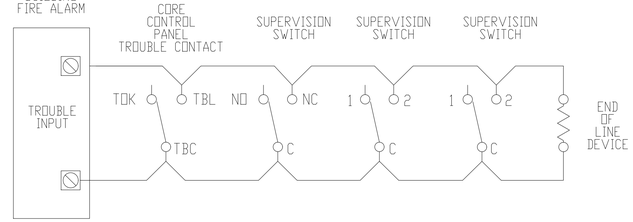
WIRING CONNECTIONS FOR MANUAL ACTUATION LOOP
FIGURE 1A



WIRING CONNECTIONS FOR FIRE ALARM CONTACT
FIGURE 2



WIRING CONNECTIONS FOR CORE INTERLOCK
FIGURE 3



WIRING CONNECTIONS FOR TROUBLE CONTACT
FIGURE 4

NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

ATTENTION: LOW-VOLTAGE DC OR SIGNALING WIRE SHOULD BE ROUTED IN SEPARATE CONDUIT FROM ALL AC SOURCES

KITCHEN HOOD ELECTRICAL COORDINATION NOTES

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9/25/2026

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Winston-Salem, North Carolina

David R. Polston - Architect
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Architecture Planning Design

100 BED FACILITY
ELECTRICAL
REFERENCES

ER 1.3

JOB NO	MODEL NUMBER	DRAWN BY	SCHEMATIC TYPE	DESCRIPTION OF OPERATION:
5905075	SC-320110MA		INSTALL	Fire System #1 TANK FS - 4.0/4.0/4.0.
	JOB NAME: Pruitt Health - Winston-Salem	DATE: 4/4/2023	DWG NO: ECP #1-3	

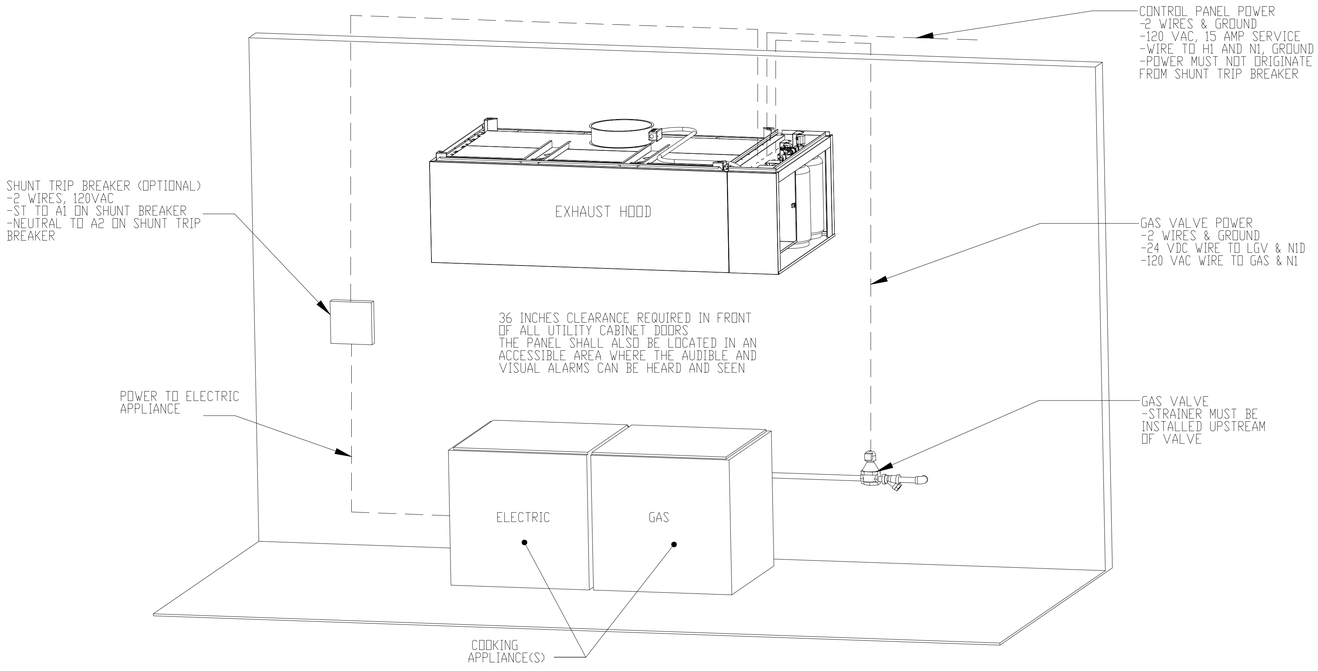
TANK PROTECTION ELECTRICAL DETAIL

02/10/2021 Rev. 2

ELECTRICIAN:
1. WIRE MAIN CONTROL PANEL PER INCLUDED SCHEMATIC
2. WIRE ALL FANS PER INCLUDED SCHEMATIC
3. WIRE SHUNT TRIP BREAKER (OPTIONAL)
4. WIRE UDS APPLIANCE KILL SWITCH, IF EQUIPPED (OPTIONAL)
5. WIRE GAS VALVE

FS-1: MASTER

ELECTRICAL CONTRACTOR REQUIREMENT					
ITEM	CONNECTION IN PANEL	CONNECTION IN DEVICE	VOLTAGE	AMPERAGE	COMMENTS
SHUNT TRIP BREAKER (OPTIONAL)	ST & N1	BREAKER COIL (A1 & A2)	120 VAC	< 4 AMPS	ST TO A1 ON SHUNT BREAKER COIL, AND NEUTRAL TO A2 ON SHUNT TRIP BREAKER COIL
CONTROL PANEL POWER	H1 & N1 + GROUND	CIRCUIT BREAKER	120 VAC	15 AMPS	CONTROL PANEL POWER MUST NOT BE RUN THROUGH SHUNT TRIP BREAKER
UDS APPLIANCE KILL SWITCH (OPTIONAL)	KTS & N1	KTS & N1	120 VAC	< 4 AMPS	KILL SWITCH TERMINALS MUST BE IN SERIES WITH OTHER KILL SWITCHES
REMOTE 120VAC ANSUL AUTOMAN (OPTIONAL)	AU1, AU2	SOLENOID	120 VAC	< 6 AMPS	120V TO AU1, AU2 TO ANSUL ELECTRIC AUTOMAN, ANSUL SOLENOID TO NEUTRAL
GAS VALVE	LGV & N1D (IF 24 VDC) GAS & N1 (IF 120 VAC)	RED/RED/GREEN	24 VDC OR 120 VAC	< 1.0 AMPS	IF 24 VDC - 2 WIRES & GROUND, N1D TO RED, LGV TO RED, AND GREEN TO GROUND IF 120 VAC - 2 WIRES & GROUND GAS TO RED, N1 TO RED, AND GREEN TO GROUND



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Architecture Planning Design

100 BED FACILITY
ELECTRICAL
REFERENCES

ER 1.4

JOB NO	MODEL NUMBER	DRAWN BY	SCHEMATIC TYPE
5905075	SC-320110MA		INSTALL
	JOB NAME: Pruitt Health - Winston-Salem	DATE: 4/4/2023	DWG NO: ECP #1-4

DESCRIPTION OF OPERATION:
Fire System #1 TANK FS - 4.0/4.0/4.0.

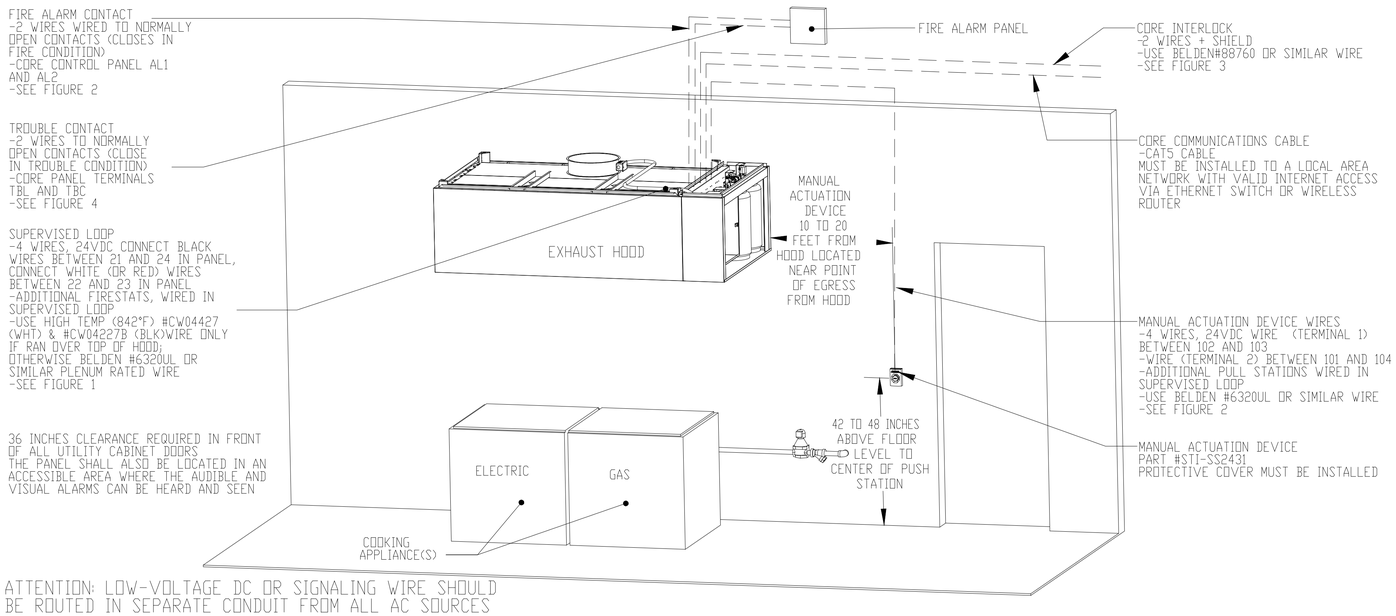
TANK PROTECTION LOW-VOLTAGE DETAIL

02/10/2021 Rev. 2

ALARM CONTRACTOR:
1. WIRE MANUAL ACTUATION DEVICE(S), REMOTE FIRESTAT(S), CORE INTERLOCK(S), FIRE SENSOR(S) AND FIRE ALARM CONTACTS
2. COMPLETE FINAL HOOKUP OF SYSTEM
3. VERIFY FINAL FIRE SYSTEM TEST

FS-1: MASTER

ALARM CONTRACTOR REQUIREMENT					
ITEM	CONNECTION IN PANEL	CONNECTION ON DEVICE	VOLTAGE	AMPERAGE	COMMENTS
MANUAL ACTUATION DEVICE(S)	101 AND 104 102 AND 103	1 & 2	24 VDC	< 1.0 AMPS	WIRE MANUAL ACTUATION DEVICE TERMINAL 1 BETWEEN CORE PANEL TERMINALS 102 AND 103 WIRE MANUAL ACTUATION DEVICE TERMINAL 2 BETWEEN CORE PANEL TERMINALS 101 AND 104 JUMPER 101 TO 104 AND 102 TO 103 IF NO MANUAL ACTUATION DEVICE IS INSTALLED
MANUAL ACTUATION DEVICE COVER	N/A	N/A	N/A	N/A	MANUAL ACTUATION DEVICE COVER MUST BE INSTALLED IF SURFACE MOUNTED, USE COVER EXTENSION STI-6531B
REMOTE FIRESTAT SENSOR(S)	21 AND 24 22 AND 23	BLACK AND WHITE	24 VDC	< 1.0 AMPS	WIRE FIRE SENSOR WHITE WIRES BETWEEN HOOD CORE PANEL TERMINALS 22 AND 23 WIRE FIRE SENSOR BLACK WIRE BETWEEN HOOD CORE PANEL TERMINALS 21 AND 24 HIGH TEMP (842°F) #CW04427 (WHT) & #CW04427B (BLK)WIRE OR SIMILAR ONLY IF RAN OVER TOP OF HOOD; OTHERWISE BELDEN #6320UL OR SIMILAR PLENUM RATED WIRE; SEE FIGURE 1
FIRE ALARM CONTACT	AL1, AL2	VARIES	50V MAX (AC/DC)	UP TO 1 AMP	FIRE ALARM RELAY CONTACTS FOR BUILDING FIRE ALARM LOCATED IN THE CORE ELECTRICAL CONTROL PANEL
CORE INTERLOCK(S)	ILA, ILB, ILC	ILA, ILB, ILC	RS-485 COMMUNICATIONS SIGNAL		CORE SYSTEM (1) ILA, TO CORE SYSTEM (2) ILA. CORE SYSTEM (1) ILB, TO CORE SYSTEM (2) ILB. CORE SYSTEM (1) ILC, TO CORE SYSTEM (2) ILC. USE BELDEN# 88760 OR SIMILAR WIRE
TROUBLE CONTACT	TBC, TBL, TOK	VARIES	MAX 120 VAC	UP TO 6 AMPS	WIRE TO TBL & TBC NORMALLY OPEN CONTACT, CLOSES IN TROUBLE CONDITION
CORE COMMUNICATIONS CABLE	RJ-45 Jack	INTERNET CONNECTION	SIGNAL	<1.0 AMPS	TYPICAL CONNECTION CAT5 CABLE TO LOCAL AREA NETWORK VIA ETHERNET SWITCH OR WIRELESS ROUTER WITH VALID INTERNET CONNECTION



ATTENTION: LOW-VOLTAGE DC OR SIGNALING WIRE SHOULD BE ROUTED IN SEPARATE CONDUIT FROM ALL AC SOURCES

NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

KITCHEN HOOD ELECTRICAL COORDINATION NOTES

1. THE KITCHEN HOODS BASIS OF DESIGN IS CAPTIVEAIRE, REFERENCE JOB NUMBER 5905075. HOODS ARE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ELECTRICAL WORK REQUIRED BY THE HOODS WITH THE MECHANICAL AND GENERAL CONTRACTORS.
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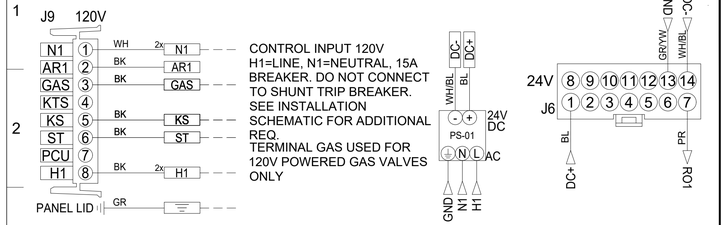
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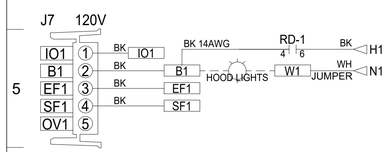
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Architecture Planning Design

100 BED FACILITY
ELECTRICAL REFERENCES

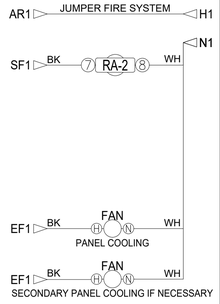
ER 1.5

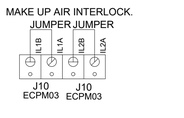
UNLESS SPECIFIED OTHERWISE, ALL FACTORY AC WIRING 16 AWG. ALL FACTORY DC WIRING 18 AWG.



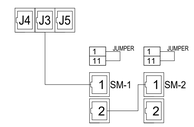






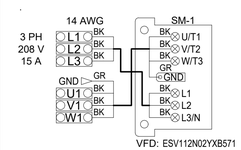


NOTE: All items on ECPM03 J3 line to be daisy chained from one component to the next, with EOL120A at end of line. Place PN: EOL120A in empty RJ45 port.

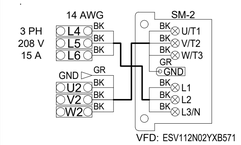




MOTOR POWER CIRCUIT

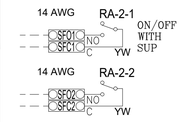


MTR: EF-1
FLA: 4.4
HP: 1.500
P100: 01
P101:N/A
P102: 0.0
P103: 47.1
P107: 00
P108: 73
P131: N/A
P150: 01
P167: 51.0
P194: 225
P410: 11



MTR: EF-2
FLA: 4.4
HP: 1.500
P100: 01
P101:N/A
P102:0.0
P103: 47.1
P107: 00
P108: 73
P131: N/A
P150: 01
P167: 51.0
P194: 225
P410: 12

DRY CONTACTS (SHOWN DE-ENERGIZED)



20 x 18 x 8.62 BOX

FACTORY WIRING SCHEMATIC CIRCUIT BOARDS

RA-x 120 VAC RELAY

NO	4	3
NC	2	1
COIL	8	7
COM	6	5

RD-x 24 VDC RELAY

NO	4	3
NC	2	1
COIL	8	7
COM	6	5

COMPONENT LIST

LABEL	DESCRIPTION
ST-X	Starter varies
OL-X	Overload varies
C-X	Contactor varies
PS-1	Power Sup. 24VDC MDP18-24A-1C
RA-x	120V Relay DPDT 34.110.0184.0
RD-x	24VDC Light Relay 34.110.0188.0
TS-x	Duct Thermostat A/CP-PO-T4°-EXPL

LEGEND

FIELD WIRING
FACTORY WIRING

BK- BLACK
BL- BLUE
OR- ORANGE
WH- WHITE
OR/BL- OR/BL STRIPE
BL/RD- BL/RD STRIPE
RD/GN- RD/GN STRIPE
WH/BL- WH/BL STRIPE
YW- YELLOW
GY- GREY
PR- PURPLE
RD- RED

JOB NAME: Pruitt Health - ...
DRAWING TITLE: SC-32011OMA

DESCRIPTION OF OPERATION

3 Phase w/ control for 2 Exhaust Fans, Exhaust on in Fire, Lights out in Fire, Relay On/Off with Supply Fan, Fan(s) On/Off Thermostatically Controlled. Room temperature sensor shipped loose for field installation. INVERTER DUTY 3 PHASE MOTOR REQUIRED FOR USE WITH VFD.

JOB NO	DRAWN BY
5905075	
TYPE	DATE
FACTORY	4/4/2023

DWG NO: ECP #1-6

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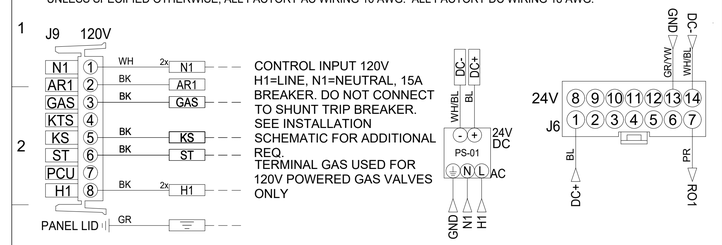
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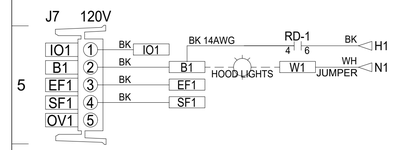
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100 BED FACILITY
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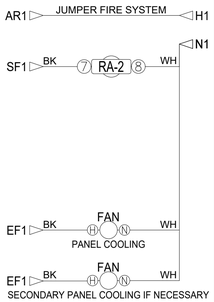
ER 1.6

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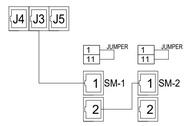


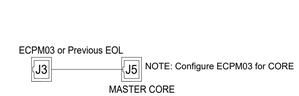




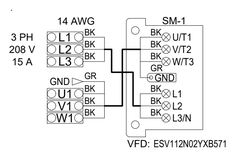


NOTE: All items on ECPM03 J3 line to be daisy chained from one component to the next, with EOL120A at end of line. Place PN: EOL120A in empty RJ45 port.

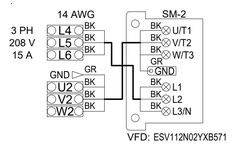




MOTOR POWER CIRCUIT

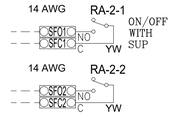


MTR: EF-1
FLA: 4.4
HP: 1.500
P100: 01
P101:N/A
P102: 0.0
P103: 47.1
P107: 00
P108: 73
P131: N/A
P150: 01
P167: 51.0
P194: 225
P410: 11



MTR: EF-2
FLA: 4.4
HP: 1.500
P100: 01
P101:N/A
P102: 0.0
P103: 47.1
P107: 00
P108: 73
P131: N/A
P150: 01
P167: 51.0
P194: 225
P410: 12

DRY CONTACTS (SHOWN DE-ENERGIZED)



20 x 18 x 8.62 BOX

FACTORY WIRING SCHEMATIC CIRCUIT BOARDS

RA-x 120 VAC RELAY			RD-x 24 VDC RELAY		
NO	4	3	NO	4	3
NC	2	1	NC	2	1
COIL	8	7	COIL	8	7
COM	6	5	COM	6	5

COMPONENT LIST

LABEL	DESCRIPTION
ST-X	Starter varies
OL-X	Overload varies
C-X	Contactor varies
PS-1	Power Sup. 24VDC MDP18-24A-1C
RA-x	120V Relay DPDT 34.110.0184.0
RD-x	24VDC Light Relay 34.110.0188.0
TS-x	Duct Thermostat A/CP-PO-T4*-EXPL

LEGEND

FIELD WIRING
FACTORY WIRING

BK- BLACK
BL- BLUE
GR- GREEN
OR- ORANGE
WH- WHITE
OR/BL- OR/BL STRIPE
BL/RD- BL/RD STRIPE
RD/GN- RD/GN STRIPE
WH/BL- WH/BL STRIPE
YW- YELLOW
GY- GREY
PR- PURPLE
RD- RED

JOB NAME: Pruitt Health - ...
DRAWING TITLE: SC-320110MA
DESCRIPTION OF OPERATION:
3 Phase w/ control for 2 Exhaust Fans, Exhaust on in Fire, Lights out in Fire, Relay On/Off with Supply Fan, Fan(s) On/Off Thermostatically Controlled. Room temperature sensor shipped loose for field installation, INVERTER DUTY 3 PHASE MOTOR REQUIRED FOR USE WITH VFD.

JOB NO	DRAWN BY
5905075	
TYPE: FACTORY	DATE: 4/4/2023
DWG NO: ECP #1-6	

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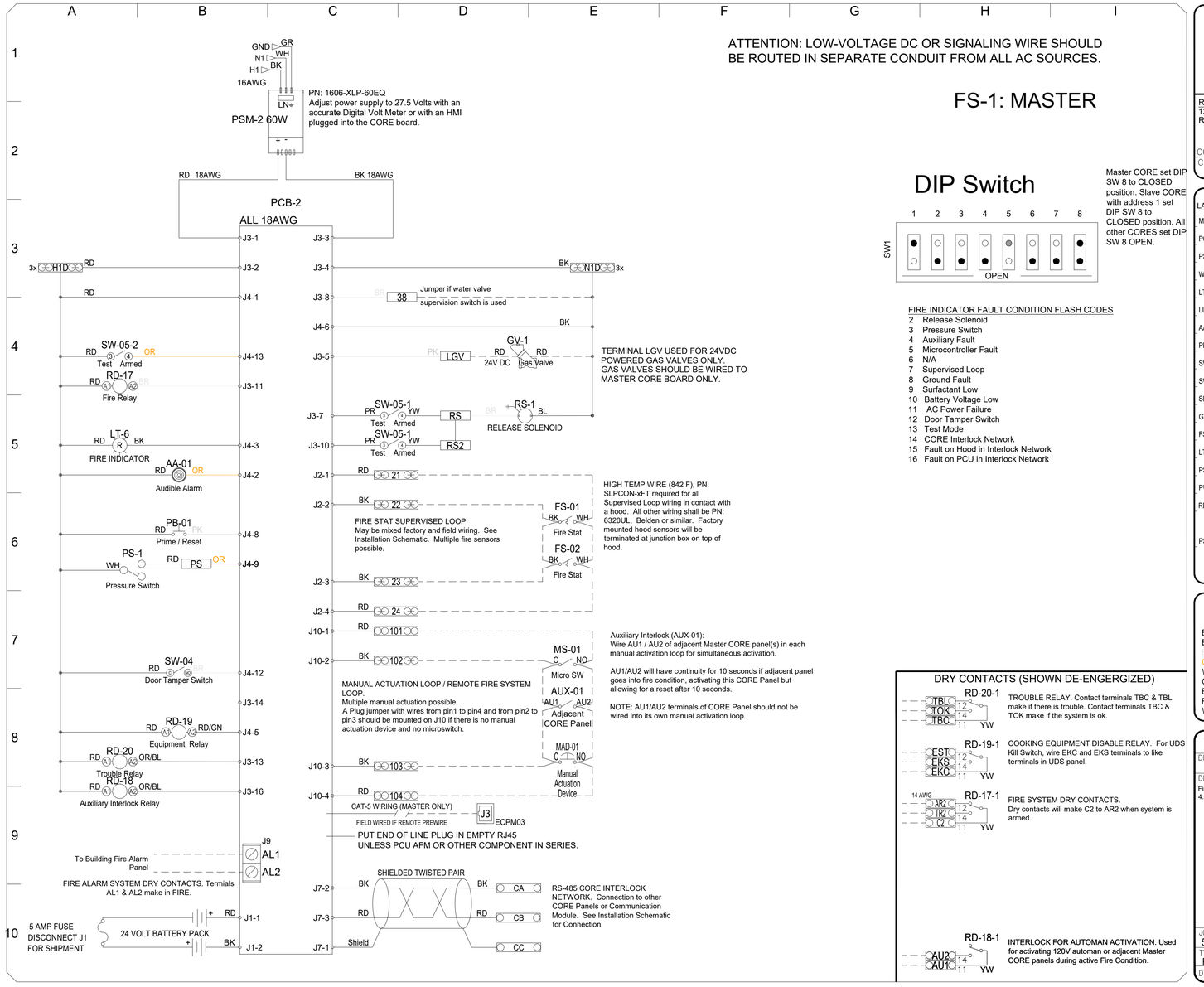
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PRUITTHEALTH
FORSYTH COUNTY, L.L.C.
Winston-Salem, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

100 BED FACILITY
ELECTRICAL REFERENCES

ER 1.7



FACTORY WIRING SCHEMATIC CORE FIRE PROTECTION

RA-x 120 VAC RELAY			RD-x 24 VDC RELAY		
NO	4	3	NO	4	3
NC	2	1	NC	2	1
COIL	8	7	COIL	8	7
COM	6	5	COM	6	5

COMPONENT LIST

LABEL	DESCRIPTION
MAD-01	MANUAL ACTIVATION DEVICE
PCB-2	CORE PCB PCBCORE-APP
PSM-2	CORE POWER SUPPLY 1606-XLP-50E
WS-x	Water Solenoid varies
LT-06	24V Red Ind. Light PNL-1163-0UR
LL-01	Surf. Level Sensor AQ5510
AA-01	Audible Alarm SCE120LASFP1B
PB-01	Prime/Reset Switch D7-F2X11
SW-05	TEST/ARM Switch ZBSA22
SW-04	Tamper Switch BZ-2RQ1-A2
SP-1	Surfactant Pump 50000-805
GV-1	24v DC Gas Valve varies
FS-XX	Duct Fire Sensor 12-F26Z1-00080
LT-05	24V YLW Ind. Light PNL-1163-0UY
PS-01	Remote Pulll/Push Station STI-SS2431
PWS-01	24VDC Power Suppl 24VDC 18W POWER
RD-XX	24VDC Phoenix Relay PLC-RPT-24DC/21
PS	Pressure Switch EWC-PRESSURE

LEGEND

FIELD WIRING
FACTORY WIRING

BK- BLACK	YW- YELLOW
BL- BLUE	GY- GREY
PK- PINK	PR- PURPLE
OR- ORANGE	RD- RED
WH- WHITE	GR- GREEN
OR/BL- OR/BL STRIPE	
BL/RD- BL/RD STRIPE	
RD/GN- RD/GN STRIPE	
WH/BL- WH/BL STRIPE	

JOB NAME: Pruitt Health - ...
DRAWING TITLE: SC-32010MA
DESCRIPTION OF OPERATION: Fire System #1 TANK FS - 4.0/4.0/4.0.

JOB NO	DRAWN BY
5905075	
TYPE: FACTORY	DATE: 4/4/2023

DWG NO: ECP #1-7

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3. THE CONTRACTOR IS CAUTIONED TO THOROUGHLY REVIEW BOTH THE CONTRACT DRAWINGS AND THE CAPTIVEAIRE REFERENCE DRAWINGS PRIOR TO SUBMITTING A BID. ELECTRICAL ITEMS SHOWN AND/OR NOTED ON THESE DRAWINGS TO BE PROVIDED BY THE "ELECTRICIAN" OR SIMILAR TERM SHALL BE PROVIDED BY THE CONTRACTOR AND SHALL BE CONSIDERED AS BINDING AS MATERIAL, EQUIPMENT AND LABOR SHOWN ON THE CONTRACT DRAWINGS. NO EXTRAS WILL BE CONSIDERED OR APPROVED FOR ITEMS SHOWN ON EITHER DRAWINGS TO BE PROVIDED BY THE CONTRACTOR. INSTALLATION OF CERTAIN MATERIALS FURNISHED BY CAPTIVEAIRE AS NOTED ON THESE REFERENCE DRAWINGS IS ALSO THE RESPONSIBILITY OF THE CONTRACTOR.

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Wilmington, NC 28401 Fax: 910.791.5266
www.cbhfengineers.com
NC# P-0506
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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433
9/25/2026

09-29-2026 BID

PRUITTHEALTH
FORSYTH COUNTY, L.L.C.
Winston–Salem, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite 2–L, Wilmington, NC 28403
Architecture Planning Design

100 BED FACILITY
ELECTRICAL REFERENCES

ER 1.8

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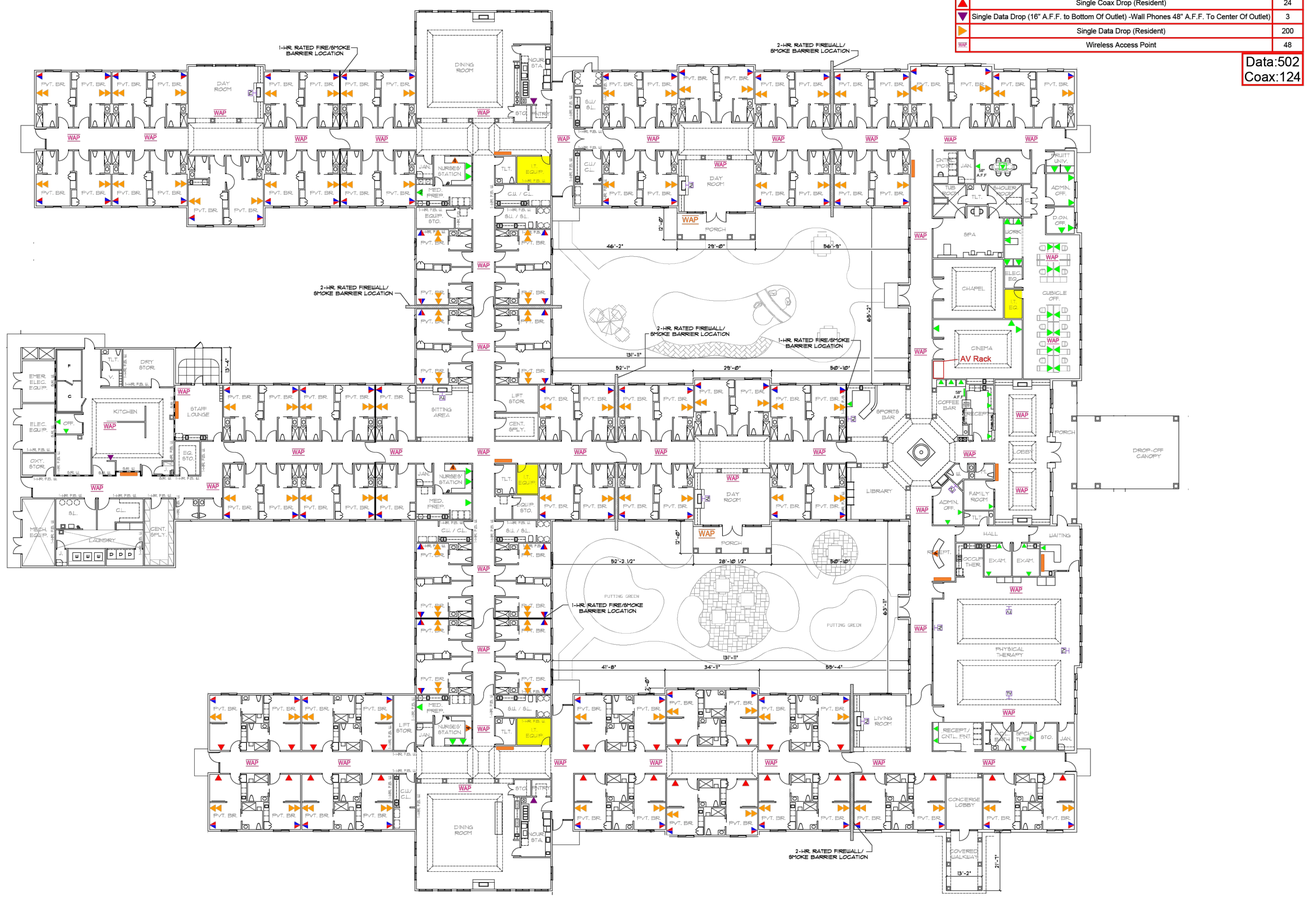
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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433 REGISTERED
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09-29-2026 BID

Symbol Legend		
	Subject	Quantity
	(1) Data & (1) RG6 Drop (Mount 47"-52") - Grounding Is Provided By Others	100
	Digital Display Menu Board	1
	Digital Display	9
	Dual Data Drop (Admin) (16" A.F.F. To Bottom Of Outlet)	55
EAP	Exterior AP	2
	Open Area Television (16" A.F.F. To Bottom Of Faceplate)	11
	Quad Data Drop (Admin) (16" A.F.F. To Bottom Of Outlet)	4
	Single Coax Drop (Resident)	24
	Single Data Drop (16" A.F.F. to Bottom Of Outlet) -Wall Phones 48" A.F.F. To Center Of Outlet)	3
	Single Data Drop (Resident)	200
WAP	Wireless Access Point	46

Data:502
Coax:124



Pruitt Health - Winston
Salem, NC

1	REVISION - ID MARK-UP	03-29-2023

Horizontal Cabling Floor Plan

Project	
Date	12-03-2022
Drawn By	F.L
SCALE: N.T.S.	
Sheet	1 of 8

ATTIC LOW VOLTAGE SYSTEMS CABLE INSTALLATION NOTES

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Symbol Legend		
	Subject	Quantity
AIP	Aiphone Master	5
AIP	AIPHONE	1
CR	Card Reader	29
	Dome Camera	40
ES	Electric Strikes	7
EPS	Emergency Pull Station	11
ML	Mag Lock	12
SK	Sounder Keypad	4
S	Sounder	11



BCI
BUSKER COMMUNICATIONS INC.
2567 ATHENS HWY
GAINESVILLE, GA 30507

Pruitt Health - Winston
Salem, NC

1	REVISION - ID MARK-UP	03-29-2023

Access Control
Floor Plan

Project	Sheet
Date 12-03-2022	2 of 8
Drawn By F.L	
SCALE: N.T.S.	

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433 REGISTERED
9/25/2026

09-29-2026 BID

Symbol Legend

	Subject	Quantity
◎	Operation Speaker	15
○	Speaker	74
V	Volume Control	5

◎ (2) Speakers for the Maintenance Shed



BUSKER COMMUNICATIONS INC.
2567 ATHENS HWY
GAINESVILLE, GA 30507

Pruitt Health - Winston
Salem, NC

1	REVISION - ID MARK-UP	03-29-2023

Paging
Floor Plan

Project	Sheet
Date 12-03-2022	3 of 8
Drawn By F.L	
SCALE: N.T.S.	

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ELECTRICAL REFERENCES

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1.11

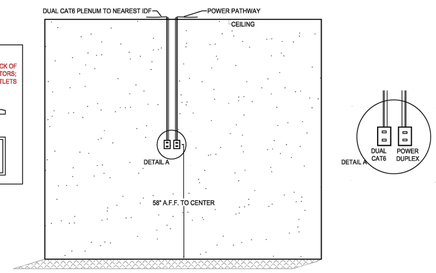
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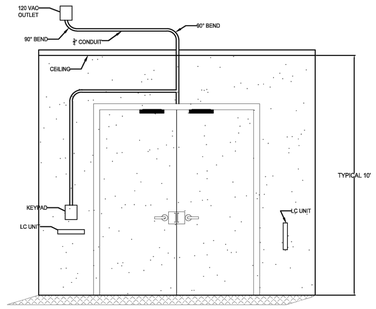
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9/25/2026

09-29-2026 BID

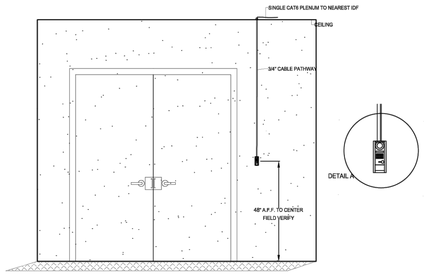
NOTE
DUE TO THE FLUSHED BACK OF THE FLAT SCREEN MONITORS; VERIFY LOCATION OF OUTLETS ACCORDINGLY



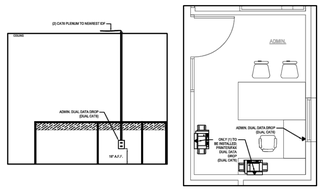
Typical Video Conference



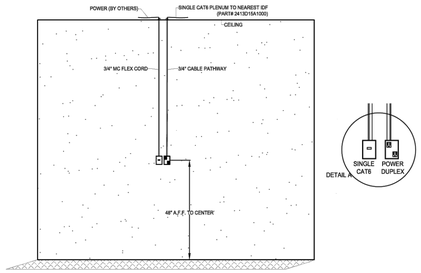
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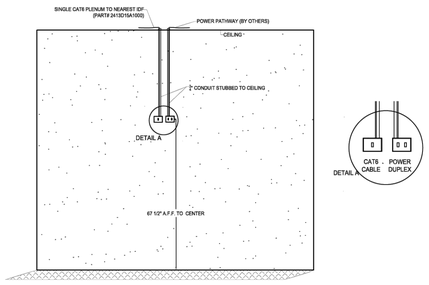
Typical AIPhone



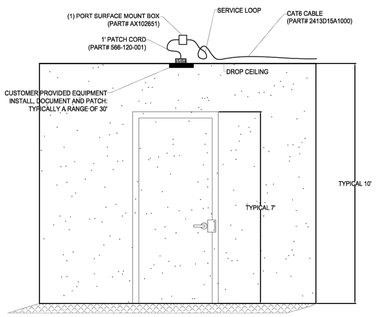
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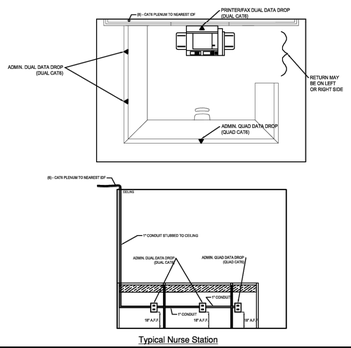
Typical Time Clock



Typical Touchtown



Typical Common Area AP



Typical Nurse Station

BCI
BUSKER COMMUNICATIONS INC.
2567 ATHENS HWY
GAINESVILLE, GA 30507

Pruitt Health - Winston
Salem, NC

1	REVISION - ID MARK-UP	03-29-2023

Typical Detail

Project:
Date: 12-03-2022
Drawn By: F.L
SCALE: N.T.S.
Sheet: 4 of 8

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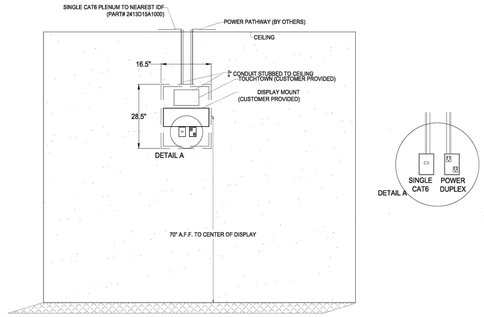
David R. Polston - Architect
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

100 BED FACILITY
ELECTRICAL
REFERENCES

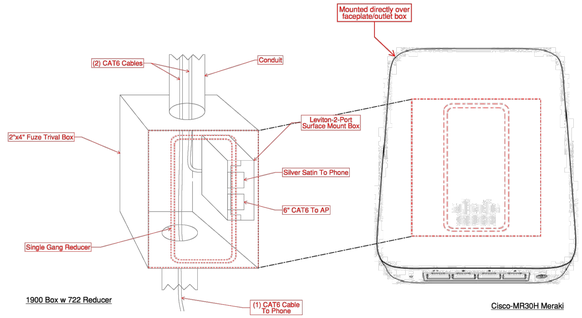
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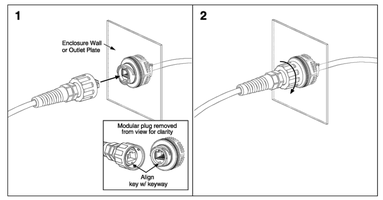
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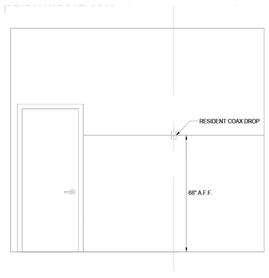


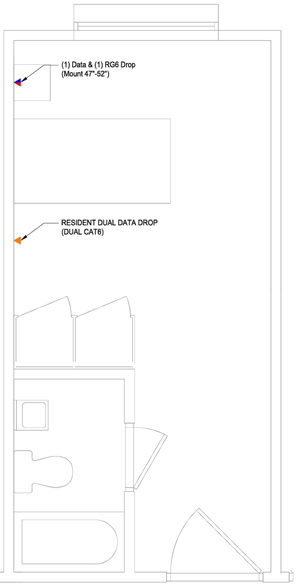
PRUITT HEALTH - TYPICAL EMPLOYEE MONITOR

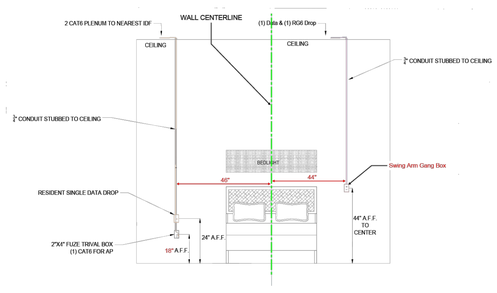




TYPICAL-WATERPROOF MODULE (POOL AREA)







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2567 ATHENS HWY
GAINESVILLE, GA 30507

Pruitt Health - Winston
Salem, NC

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Project	Sheet
Date 12-03-2022	5 of 8
Drawn By F.L	
SCALE: N.T.S.	

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433
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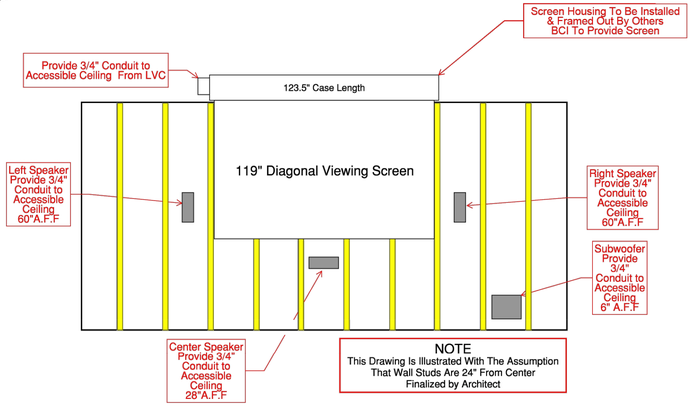
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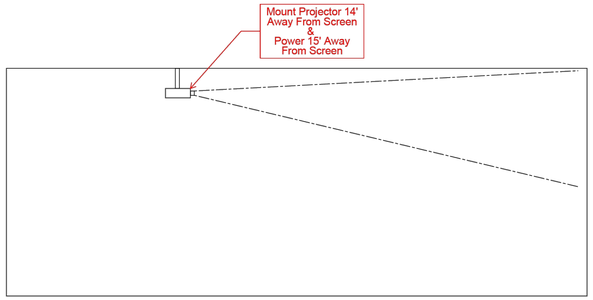
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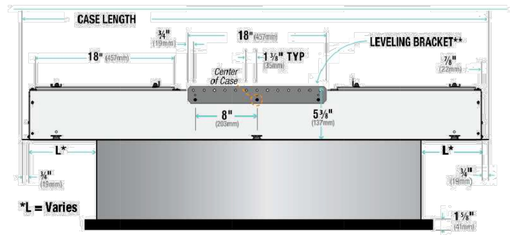
David R. Polston - Architect
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

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REFERENCES

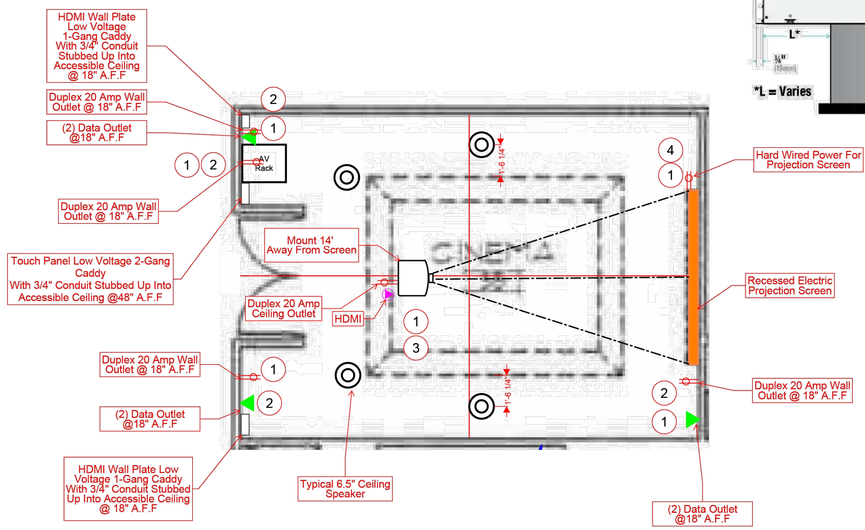
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Projector Screen Dimension



General Notes

1)- (1) Shared Dedicated 20 Amp Circuit Will Be Needed To Be Installed To Feed (4) Electrical Outlets

2)- (2) Single Gang Duplex 20 Amp Outlet

3)- (1) Ceiling Duplex 20 Amp Outlet

4)- (1) Direct Connection For Projection Screen

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Cinema Room Detail

Project
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www.cbhfengineers.com
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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433
9/25/2026

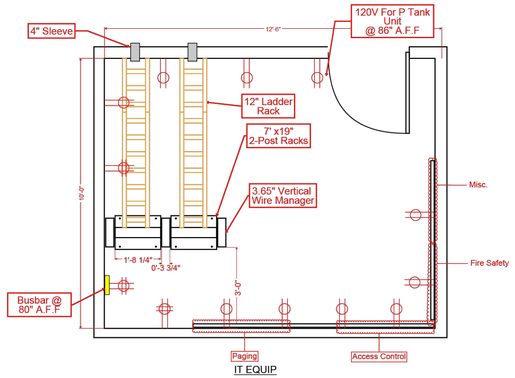
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FORSYTH COUNTY, L.L.C.
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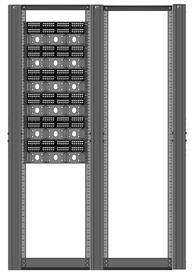
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Architecture Planning Design

100 BED FACILITY
ELECTRICAL
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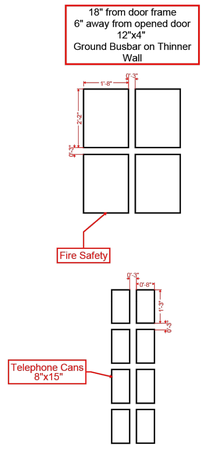
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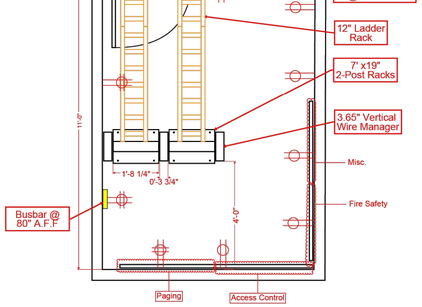


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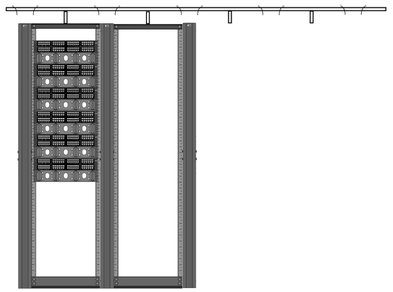


Rack Elevation





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BCI

BUSKER COMMUNICATIONS INC.
2567 ATHENS HWY
GAINESVILLE, GA 30507

Pruitt Health - Winston Salem, NC

1	REVISION - ID MARK-UP	03-29-2023

IT Closet Details

Project

Date 12-03-2022

Drawn By F.L

SCALE: N.T.S.

Sheet 7 of 8

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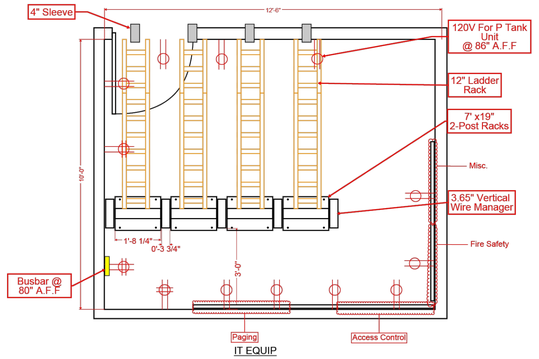
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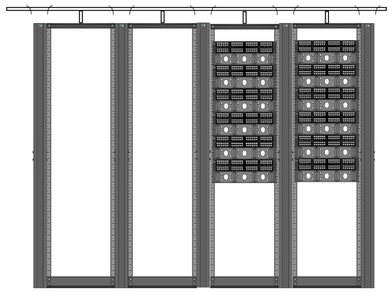
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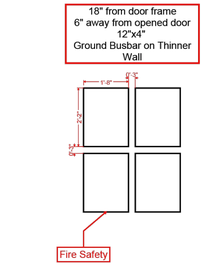
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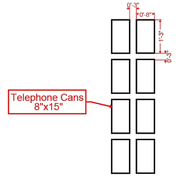


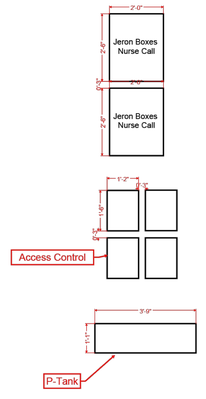
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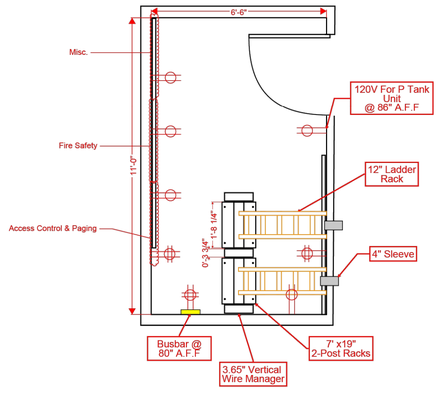


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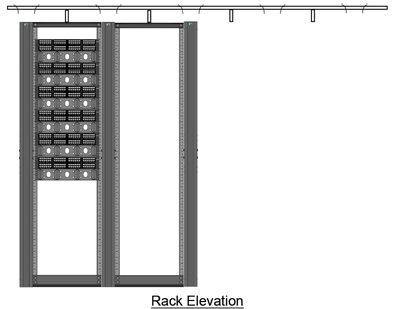








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PENSACOLA - NURSE CALL

Sheet List Table	
Sheet Number	Sheet Title
GENERAL	
T-0-000	COVER SHEET
T-0-001	NOTES & LEGEND
ARCHITECTURAL	
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ELEVATIONS	
TNC-2-001	NURSE CALL DEVICE ELEVATIONS
WIRING	
TNC-6-101	JERON IP NETWORK WIRING DIAGRAM
TNC-6-102	TYPICAL CABLE RUN

PROJECT DISCIPLINES INCLUDED

- ☐ COMMUNICATIONS
- ☐ STRUCTURED CABLING
- ☐ AUDIO/VISUAL
- ☐ SECURITY
- ☐ ACCESS CONTROL
- ■ NURSE CALL

DRAWING PACKAGE RELEASES		
NUMBER	RELEASE DESCRIPTION	DATE
1	APPROVED PROJECT SET	10/11/2022

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PruittHealth

PROJECT INFO

PruittHealth
PENSACOLA, FLORIDA

SHEET INFO

PENSACOLA
COVER SHEET

REVISIONS

REV.	DESCRIPTION	DATE

ENGINEER APPROVAL

ENGINEER	MM
CAD	PHB
PROJECT MANAGER	AP
DRAWING NAME	T-0-000
PROJECT NUMBER	AM22316
APPROVED DRAWING DATE	10/11/22
RELEASE NUMBER	1

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NC# P-0506
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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433 REGISTERED
9/25/2026

09-29-2026 BID

PRUITTHEALTH
FORSYTH COUNTY, L.L.C.
Winston–Salem, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite 2–L, Wilmington, NC 28403
Architecture Planning Design

100 BED FACILITY
ELECTRICAL
REFERENCES

ER
1.17

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NURSE CALL EQUIPMENT SYMBOLS

- 7924 ENHANCED DUAL PATIENT STATION (WALL)
- 7923 ENHANCED SINGLE PATIENT STATION (WALL)
- 9779 J-BUS SPLITTER (CEILING)
- 9777 POWER SPLITTER (CEILING)
- 7932 BATH(PERIPHERAL STATIONS(NON AUDIO, WALL)
- 7992/7993- GATEWAY
- 7965 NURSE CONSOLE (TABLE)
- 7995 POWER SUPPLY
- 7953 ROOM CONTROLLER WITH DOME LIGHT (CEILING)
- 7950 ROOM CONTROLLER (DOMELESS/CEILING)
- 7963 CONSOLE CONTROLLER W/ZONE LIGHT (CEILING)
- 7927 STAFF DUTY (WALL)
- 7932 PUSH/PULL DEVICE (WALL)
- ZONE DOME LIGHT (CEILING)
- CAT6 23 AWG (J BUS)
- CAT5/5e/6 (R BUS)
- (1) 22 AWG TWISTED PAIR (P BUS)
- CAT6 23 AWG (M BUS)

DRAWING NAME CONVENTION

T[X]-[NUMBER]-###

T[X] = SYSTEM TYPE
- TA = TELECOMMUNICATIONS AUDIO-VISUAL [AV]
- TN = TELECOMMUNICATIONS DATA NETWORKS [COM]
- TY = TELECOMMUNICATIONS SECURITY [SEC]
- TNC = TELECOMMUNICATIONS NURSE CALL [NC]

[NUMBER] = DRAWING TYPE
- 0 = GENERAL (INDEX, LEGENDS, NOTES)
- 1 = PLANS (FLOOR PLANS, RCPS)
- 2 = ELEVATIONS (VERTICAL VIEWS)
- 5 = DETAIL SHEETS
- 6 = WIRING DIAGRAMS

= UNIQUE SHEET IDENTIFIER [FOR ARCH DWGS]
- 1ST NUMBER IS THE FLOOR NUMBER
- 2ND & 3RD NUMBER IS A SEQUENTIAL NUMBERING (01,02, ETC)

= UNIQUE SHEET IDENTIFIER [FOR WIRING DWGS]
- ALL NUMBERS ARE A SEQUENTIAL NUMBERING (001,002, ETC)

DRAWING NAME CONVENTION

- DOME LIGHTS 6" OUT FROM WALL.
- DOME AND ZONE LIGHT NEED TO HAVE AN ADDITIONAL 6" STAND TO HANG BELOW LIGHT FIXTURES.
- ZONE LIGHTS NEED TO BE 1' OF CENTER LINE.

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CLIENT LOGO
PruittHealth

PROJECT INFO
PruittHealth
PENSACOLA, FLORIDA

SHEET INFO
PENSACOLA
NOTES & LEGEND

REVISIONS

REV.	DESCRIPTION	DATE

ENGINEER APPROVAL

ENGINEER	MM
CAD	PHB
PROJECT MANAGER	AP
DRAWING NAME	T-0-001
PROJECT NUMBER	AM22316
APPROVED DRAWING DATE	10/11/22
RELEASE NUMBER	1

ATTIC LOW VOLTAGE SYSTEMS CABLE INSTALLATION NOTES

1. ALL LOW VOLTAGE SYSTEM CABLE INSTALLED FREE RUN IN THE ATTIC SHALL BE INSTALLED ON J HOOKS. CABLES SHALL BE INSTALLED IN A MANNER TO PROTECT THE CABLES FROM DAMAGE DURING INSTALLATION, FACILITATE CABLE MANAGEMENT AND IDENTIFICATION, AND PROVIDE A NEAT GROOMED APPEARANCE.
2. EACH CABLE SYSTEM SHALL BE INSTALLED AND SUPPORTED INDEPENDENTLY.
3. CABLING SHALL BE INSTALLED IN STRAIGHT PATHS IN A NEAT AND ORDERLY FASHION FOLLOWING MAINTENANCE WALKWAYS AND AT NINETY-DEGREE ANGLES. DIAGONAL, BEELINE AND OR NON-SUPPORTED CABLING ARE UNACCEPTABLE. CABLING SHALL BE ROUTED AS HIGH AS POSSIBLE AND ABOVE OTHER BUILDING FACILITIES IN THE PATH WITH THE LEAST OBSTRUCTIONS IN THE SPACE. PATHWAYS SHALL BE AT LEAST 2 FEET AWAY FROM ALL LIGHTING FIXTURES AND OTHER POTENTIAL EMF SOURCES. CABLES SHALL NOT BE STRAPPED TO ELECTRICAL POWER CONDUITS, PIPING OR OTHER SYSTEMS. HORIZONTAL CABLES SHALL BE BUNDLED USING HOOD AND LOOP STRAPS. PLASTIC CABLE TIES ARE NOT PERMITTED.
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5. ALL PENETRATIONS THROUGH WALLS AND CEILINGS SHALL BE SLEEVED. ALL SLEEVES SHALL HAVE PERMANENTLY ATTACHED PLASTIC BUSHINGS. SLEEVES SHALL BE SIZED TO ACCEPT 50% GROWTH. ALL SLEEVES SHALL BE FIRE-STOPPED USING THIRD PARTY TESTING AGENCY APPROVED METHODS AND SHALL MAINTAIN ASSEMBLY FIRE RATINGS.

LOW VOLTAGE SYSTEMS ELECTRICAL COORDINATION NOTES

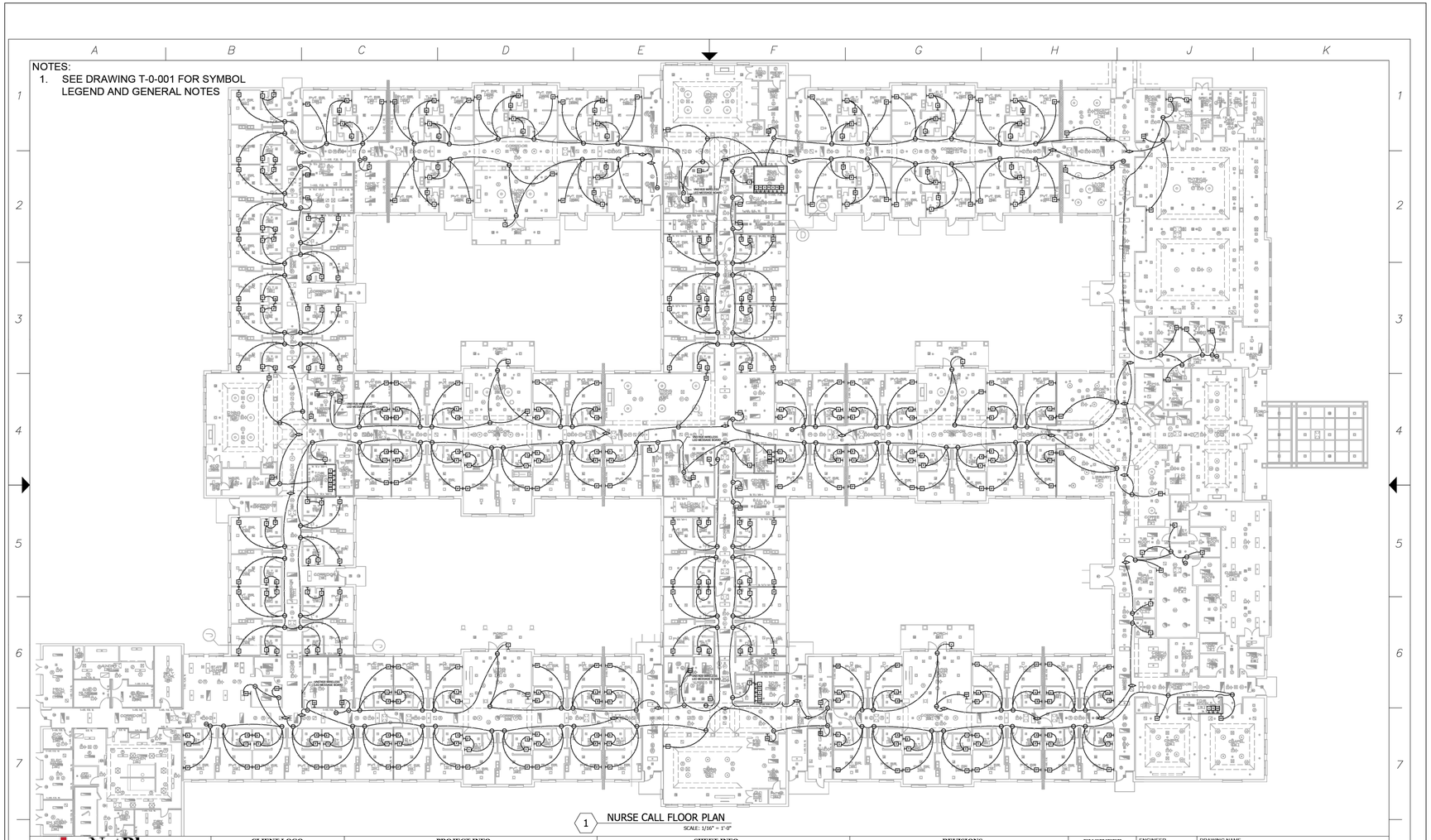
1. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ELECTRICAL WORK REQUIRED BY THE OWNER'S LOW VOLTAGE SYSTEMS VENDOR'S DRAWINGS, THE OWNER AND THE GENERAL CONTRACTOR.
2. THE LOW VOLTAGE SYSTEMS DRAWINGS, EITHER OBTAINED BY THE CONTRACTOR FROM THE OWNER AND/OR THE OWNER'S LOW VOLTAGE SYSTEMS VENDORS OR AS PROVIDED HEREIN AS REFERENCE DRAWINGS, SHALL BE CONSIDERED AN ESSENTIAL COMPONENT OF THE CONTRACT DOCUMENTS. SOME ELECTRICAL WORK SHOWN ON THESE DRAWINGS IS INTENTIONALLY NOT DUPLICATED ON THE ELECTRICAL DRAWINGS. THE CONTRACTOR SHALL PROVIDE, AS PART OF THIS CONTRACT, SOURCES OF POWER; POWER, RECEPTACLES, CONTROL AND COMMUNICATIONS CONDUCTORS, CABLES AND RACEWAYS; EMPTY RACEWAYS; JUNCTION, OUTLET AND PULL BOXES; MOUNTING HARDWARE; FINAL CONNECTIONS; GROUNDING; CONNECTION HARDWARE; TESTING AND TESTING SUPPORT; ETC., FOR THE LOW VOLTAGE SYSTEMS AS SHOWN ON THE CONTRACT DRAWINGS AND THE LOW VOLTAGE SYSTEMS DRAWINGS. IF NOT SHOWN ON THE ELECTRICAL DRAWINGS, USE SPARE CIRCUIT BREAKERS IN ELECTRICAL PANELBOARDS FOR ADDITIONAL CIRCUITS SHOWN ON THE REFERENCE DRAWINGS AND MARK AS-BUILT DRAWINGS ACCORDINGLY.
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4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING FINAL EQUIPMENT LOCATIONS, MOUNTING HEIGHTS, AND CONNECTION REQUIREMENTS FROM THE OWNER AND LOW VOLTAGE SYSTEMS CONTRACTORS AND SHALL ADJUST ROUGH-IN ACCORDINGLY. ANY REWORK REQUIRED DUE TO FAILURE TO PROPERLY COORDINATE PRIOR TO ROUGH-IN SHALL BE AT NO ADDITIONAL COST TO THE OWNER.
5. VERIFY ALL PATHWAYS, BACKBOX SIZES, AND RACEWAY ROUTING WITH ARCHITECTURAL, STRUCTURAL, AND OTHER TRADES TO AVOID CONFLICTS AND TO ENSURE A COMPLETE CODE COMPLIANT AND FUNCTIONAL INSTALLATION.
6. SEE SPECIFICATIONS SECTIONS 16041 - PAGING SYSTEM, 16042 - NURSE CALL SYSTEM, 16043 - TELEPHONE AND DATA RACEWAY SYSTEM, 16044 - ACCESS CONTROL/SPECIAL LOCKING (MAG LOCK) RACEWAY SYSTEM, 16045 - CABLE TELEVISION RACEWAY SYSTEM, 16046 - SECURITY CAMERA RACEWAY SYSTEM, 16047 - AIPHONE SYSTEM RACEWAY SYSTEM AND 16049 - ELECTRICAL WORK IN CONNECTION WITH OTHER CONTRACTS FOR ADDITIONAL REQUIREMENTS AND CONTRACTOR RESPONSIBILITIES WITH REGARD TO THESE SYSTEMS.
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David R. Polston - Architect
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

100 BED FACILITY
ELECTRICAL
REFERENCES

ER
1.18

NOTES:
1. SEE DRAWING T-0-001 FOR SYMBOL LEGEND AND GENERAL NOTES



1 NURSE CALL FLOOR PLAN
SCALE: 1/16" = 1'-0"

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CLIENT LOGO: PruittHealth

PROJECT INFO
PruittHealth
PENSACOLA, FLORIDA

SHEET INFO
PENSACOLA
NURSE CALL FLOOR PLAN

REVISIONS		
REV.	DESCRIPTION	DATE

ENGINEER APPROVAL

ENGINEER: MM	DRAWING NAME: TNC-1-101		
CAD: PHB	PROJECT NUMBER: AM22316		
PROJECT MANAGER: AP	APPROVED DRAWING DATE: 10/11/22	RELEASE NUMBER: 1	

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David R. Polston - Architect
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Architecture Planning Design

100 BED FACILITY
ELECTRICAL REFERENCES

ER 1.19

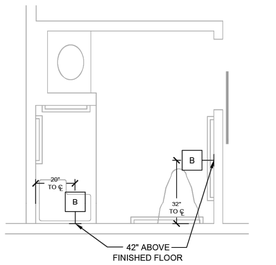
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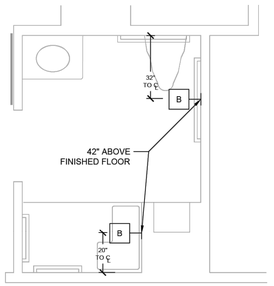
NORTH CAROLINA PROFESSIONAL SEAL 8433 ENGINEER REGISTERED
9/25/2026

09-29-2026 BID

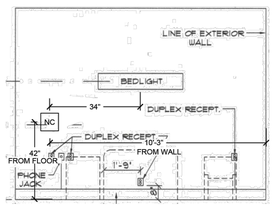
NOTES:
1. SEE DRAWING T-0-001 FOR SYMBOL LEGEND AND GENERAL NOTES.



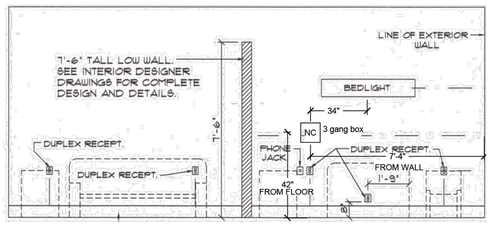
1 TYP. PATIENT TOILET ROOM FLOOR PLAN
SCALE: NTS



2 TYP. CONCIERGE TOILET ROOM FLOOR PLAN
SCALE: NTS



3 TYP. BEDWALL FOR TYP. BEDROOM SUITE
SCALE: NTS



4 TYP. BEDWALL FOR TYP. CONCIERGE SUITE
SCALE: NTS

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www.netplanner.com

CLIENT LOGO: PruittHealth

PROJECT INFO: PruittHealth TYPICAL

SHEET INFO: NURSE CALL DEVICE ELEVATIONS

REVISIONS		
REV.	DESCRIPTION	DATE

ENGINEER APPROVAL

ENGINEER: MM
CAD: PHB
PROJECT MANAGER: AP
DRAWING NAME: TNC-2-001
PROJECT NUMBER: AM22316
APPROVED DRAWING DATE: 10/11/22
RELEASE NUMBER: 1

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David R. Polston - Architect
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

100 BED FACILITY
ELECTRICAL
REFERENCES

ER
1.20

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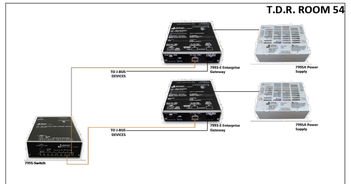
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NOTES:
1. SEE DRAWING T-0-001 FOR SYMBOL LEGEND AND GENERAL NOTES

T.D.R. ROOM 23



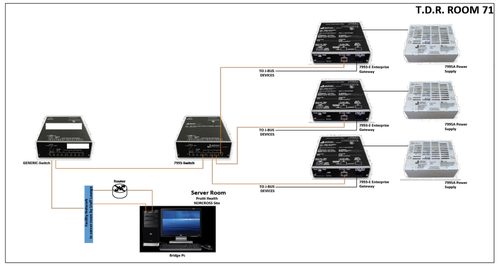
T.D.R. ROOM 54



T.D.R. ROOM 15



T.D.R. ROOM 71



T.D.R. ROOM 43



1 JERON IP NETWORK WIRING DIAGRAM
SCALE: NTS

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CLIENT LOGO
PruittHealth

PROJECT INFO
PruittHealth
PENSACOLA, FLORIDA

SHEET INFO
PENSACOLA
JERON IP NETWORK WIRING DIAGRAM

REVISIONS		
REV.	DESCRIPTION	DATE

ENGINEER APPROVAL

ENGINEER	MM	DRAWING NAME	TNC-6-101
CAD	PHB	PROJECT NUMBER	AM22316
PROJECT MANAGER	AP	APPROVED DRAWING DATE	10/11/22
		RELEASE NUMBER	1

ATTIC LOW VOLTAGE SYSTEMS CABLE INSTALLATION NOTES

1. ALL LOW VOLTAGE SYSTEM CABLE INSTALLED FREE RUN IN THE ATTIC SHALL BE INSTALLED ON J HOOKS. CABLES SHALL BE INSTALLED IN A MANNER TO PROTECT THE CABLES FROM DAMAGE DURING INSTALLATION, FACILITATE CABLE MANAGEMENT AND IDENTIFICATION, AND PROVIDE A NEAT GROOMED APPEARANCE.
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SEAL 8433
NORTH CAROLINA PROFESSIONAL ENGINEER
9/25/2026

09-29-2026 BID

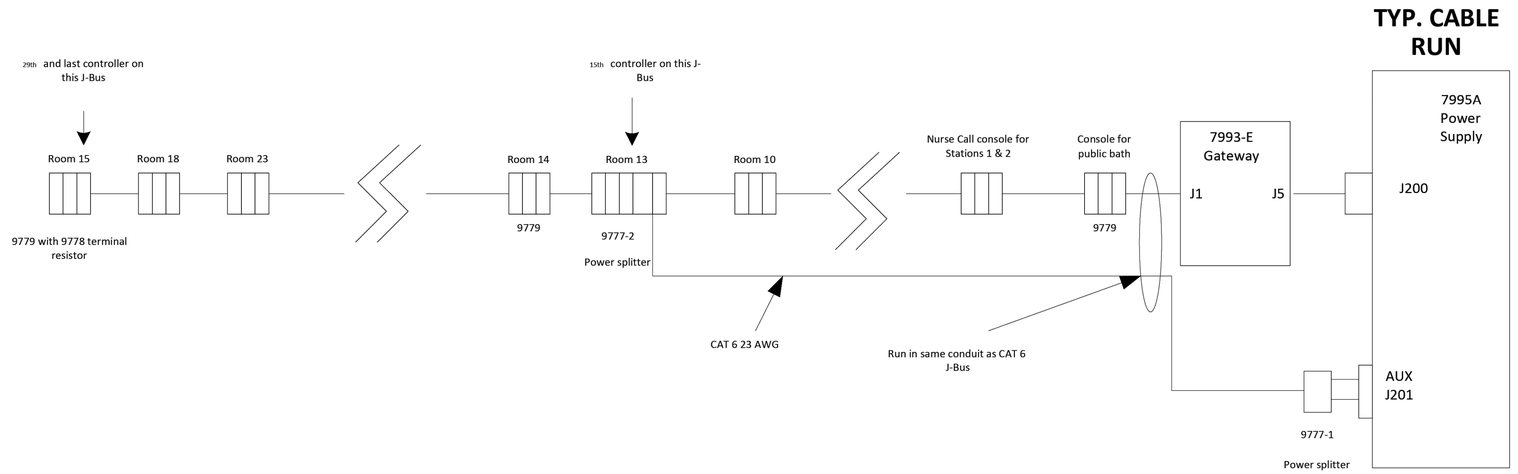
PRUITTHEALTH
FORSYTH COUNTY, L.L.C.
Winston–Salem, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite 2–L, Wilmington, NC 28403
Architecture Planning Design

100 BED FACILITY
ELECTRICAL
REFERENCES

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1.21

NOTES:
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1 TYPICAL CABLE RUN
SCALE: NTS

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CLIENT LOGO: PruittHealth

PROJECT INFO
PruittHealth
PENSACOLA, FLORIDA

SHEET INFO
PENSACOLA
TYPICAL CABLE RUN

REVISIONS		
REV.	DESCRIPTION	DATE

ENGINEER APPROVAL

ENGINEER	MM
CAD	PHB
PROJECT MANAGER	AP
DRAWING NAME	TNC-6-102
PROJECT NUMBER	AM22316
APPROVED DRAWING DATE	10/11/22
RELEASE NUMBER	1

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9/25/2026

09-29-2026 BID

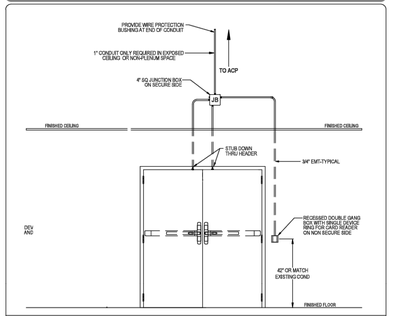
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Winston-Salem, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

100 BED FACILITY
ELECTRICAL
REFERENCES

ER
1.22

SOLUTIONS ENGINEERING TYPICAL



DESCRIPTION:
Double doors with read-in/read-out card readers and electric maglocks.

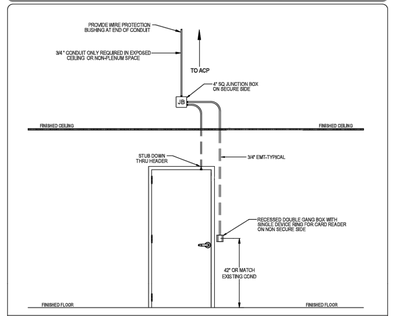
Door is shown from non-secure side.

Emergency pull station cuts power to maglocks for emergency egress, alarm will sound if activated.

Rough cabling, backboxes, conduit and stubs to accessible ceiling are by others unless otherwise noted.

Detail		Scale
DC01	DOUBLE DOOR WITH READ-IN/READ-OUT CARD READERS, ELECTRIC MAGLOCKS, EMERGENCY PULL STATION W/ SOUNDER UNSECURE SIDE OF DOOR	NTS
08/24/20		

SOLUTIONS ENGINEERING TYPICAL



DESCRIPTION:
Single door with read-in/read-out card readers and electric maglock.

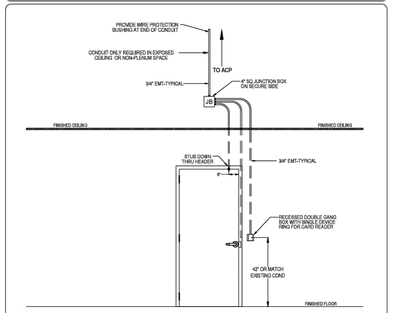
Door is shown from non-secure side.

Emergency pull station cuts power to maglock for emergency egress, alarm will sound if activated.

Rough cabling, backboxes, conduit and stubs to accessible ceiling are by others unless otherwise noted.

Detail		Scale
DC02	SINGLE DOOR WITH READ-IN/READ-OUT CARD READERS, ELECTRIC MAGLOCK, EMERGENCY PULL STATION W/ SOUNDER UNSECURE SIDE OF DOOR	NTS
08/24/20		

SOLUTIONS ENGINEERING TYPICAL



DESCRIPTION:
Single door with read-in card reader and electric strike.

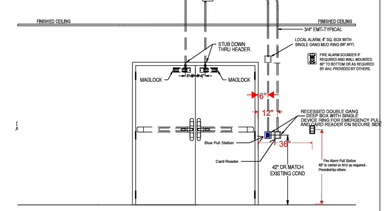
Door is shown from non-secure side.

Lock power is fed through door frame to electric strike.

Rough cabling, backboxes, conduit and stubs to accessible ceiling are by others unless otherwise noted.

Detail		Scale
DC03	SINGLE DOOR WITH READ-IN CARD READER, ELECTRIC STRIKE	NTS
08/24/20		

SOLUTIONS ENGINEERING TYPICAL



DESCRIPTION:
Double doors with read-in/read-out card readers and electric maglocks.

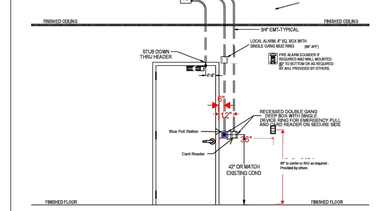
Door is shown from secure side.

Emergency pull station cuts power to maglocks for emergency egress, alarm will sound if activated.

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Detail		Scale
DC01	DOUBLE DOOR WITH READ-IN/READ-OUT CARD READERS, ELECTRIC MAGLOCKS, EMERGENCY PULL STATION W/ SOUNDER SECURE SIDE OF DOOR	NTS
08/24/20		

SOLUTIONS ENGINEERING TYPICAL



DESCRIPTION:
Single door with read-in/read-out card readers and electric maglock.

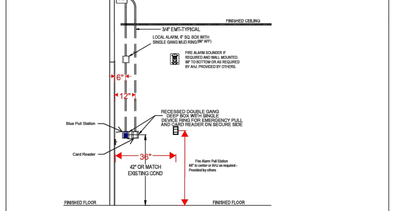
Door is shown from secure side.

Emergency pull station cuts power to maglock for emergency egress, alarm will sound if activated.

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Detail		Scale
DC02	SINGLE DOOR WITH READ-IN/READ-OUT CARD READERS, ELECTRIC MAGLOCK, EMERGENCY PULL STATION W/ SOUNDER SECURE SIDE OF DOOR	NTS
08/24/20		

SOLUTIONS ENGINEERING TYPICAL



DESCRIPTION:
Single or double doors with read-in/read-out and electric maglocks with adjacent walls where devices are mounted

Door is shown from secure side.

Emergency pull station cuts power to maglock for emergency egress, alarm will sound if activated.

Rough cabling, backboxes, conduit and stubs to accessible ceiling are by others unless otherwise noted.

Detail		Scale
DCSW	SINGLE DOOR WITH READ-IN/READ-OUT CARD READERS, ELECTRIC MAGLOCK, EMERGENCY PULL STATION W/ SOUNDER SECURE SIDE OF DOOR	NTS
10/14/22		

General Notes

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NO.	DATE	DESCRIPTION

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Title

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ATTIC LOW VOLTAGE SYSTEMS CABLE INSTALLATION NOTES

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LOW VOLTAGE SYSTEMS ELECTRICAL COORDINATION NOTES

1. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ELECTRICAL WORK REQUIRED BY THE OWNER'S LOW VOLTAGE SYSTEMS VENDOR'S DRAWINGS, THE OWNER AND THE GENERAL CONTRACTOR.
2. THE LOW VOLTAGE SYSTEMS DRAWINGS, EITHER OBTAINED BY THE CONTRACTOR FROM THE OWNER AND/OR THE OWNER'S LOW VOLTAGE SYSTEMS VENDORS OR AS PROVIDED HEREIN AS REFERENCE DRAWINGS, SHALL BE CONSIDERED AN ESSENTIAL COMPONENT OF THE CONTRACT DOCUMENTS. SOME ELECTRICAL WORK SHOWN ON THESE DRAWINGS IS INTENTIONALLY NOT DUPLICATED ON THE ELECTRICAL DRAWINGS. THE CONTRACTOR SHALL PROVIDE, AS PART OF THIS CONTRACT, SOURCES OF POWER; POWER, RECEPTACLES, CONTROL AND COMMUNICATIONS CONDUCTORS, CABLES AND RACEWAYS; EMPTY RACEWAYS; JUNCTION, OUTLET AND PULL BOXES; MOUNTING HARDWARE; FINAL CONNECTIONS; GROUNDING; CONNECTION HARDWARE; TESTING AND TESTING SUPPORT; ETC., FOR THE LOW VOLTAGE SYSTEMS AS SHOWN ON THE CONTRACT DRAWINGS AND THE LOW VOLTAGE SYSTEMS DRAWINGS. IF NOT SHOWN ON THE ELECTRICAL DRAWINGS, USE SPARE CIRCUIT BREAKERS IN ELECTRICAL PANELBOARDS FOR ADDITIONAL CIRCUITS SHOWN ON THE REFERENCE DRAWINGS AND MARK AS-BUILT DRAWINGS ACCORDINGLY.
3. ALL LOW VOLTAGE SYSTEM REQUIREMENTS MAY NOT BE FULLY INDICATED ON THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND THE OWNER'S LOW VOLTAGE SYSTEMS CONTRACTORS TO VERIFY THE MOST CURRENT SYSTEM REQUIREMENTS PRIOR TO ROUGH-IN.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING FINAL EQUIPMENT LOCATIONS, MOUNTING HEIGHTS, AND CONNECTION REQUIREMENTS FROM THE OWNER AND LOW VOLTAGE SYSTEMS CONTRACTORS AND SHALL ADJUST ROUGH-IN ACCORDINGLY. ANY REWORK REQUIRED DUE TO FAILURE TO PROPERLY COORDINATE PRIOR TO ROUGH-IN SHALL BE AT NO ADDITIONAL COST TO THE OWNER.
5. VERIFY ALL PATHWAYS, BACKBOX SIZES, AND RACEWAY ROUTING WITH ARCHITECTURAL, STRUCTURAL, AND OTHER TRADES TO AVOID CONFLICTS AND TO ENSURE A COMPLETE CODE COMPLIANT AND FUNCTIONAL INSTALLATION.
6. SEE SPECIFICATIONS SECTIONS 16041 - PAGING SYSTEM, 16042 - NURSE CALL SYSTEM, 16043 - TELEPHONE AND DATA RACEWAY SYSTEM, 16044 - ACCESS CONTROL/SPECIAL LOCKING (MAG LOCK) RACEWAY SYSTEM, 16045 - CABLE TELEVISION RACEWAY SYSTEM, 16046 - SECURITY CAMERA RACEWAY SYSTEM, 16047 - AIPHONE SYSTEM RACEWAY SYSTEM AND 16049 - ELECTRICAL WORK IN CONNECTION WITH OTHER CONTRACTS FOR ADDITIONAL REQUIREMENTS AND CONTRACTOR RESPONSIBILITIES WITH REGARD TO THESE SYSTEMS.
7. THE ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATIONS OF ELECTRICAL EQUIPMENT INCLUDING RECEPTACLES, LIGHTING FIXTURES, ETC. WITH THE LOW VOLTAGE DEVICES AND EQUIPMENT SHOWN ON THE LOW VOLTAGE SYSTEMS VENDOR'S DRAWINGS.
8. THE CONTRACTOR IS CAUTIONED TO THOROUGHLY REVIEW BOTH THE CONTRACT DRAWINGS AND THE LOW VOLTAGE SYSTEMS DRAWINGS PRIOR TO SUBMITTING A BID. ELECTRICAL ITEMS SHOWN AND/OR NOTED ON THESE DRAWINGS TO BE PROVIDED BY THE "ELECTRICIAN" OR SIMILAR TERM SHALL BE PROVIDED BY THE CONTRACTOR AND SHALL BE CONSIDERED AS BINDING AS MATERIAL, EQUIPMENT AND LABOR SHOWN ON THE CONTRACT DRAWINGS. NO EXTRAS WILL BE CONSIDERED OR APPROVED FOR ITEMS SHOWN ON EITHER DRAWINGS TO BE PROVIDED BY THE ELECTRICAL CONTRACTOR.

SPECIAL LOCKING SYSTEM REQUIREMENTS

THE SPECIAL LOCKING SYSTEM MUST MEET THE REQUIREMENTS OF NCSBC 407.12:

A. DOORS SHALL UNLOCK PRIOR TO OR CONCURRENT WITH THE ACTIVATION OF THE AUTOMATIC FIRE DETECTION SYSTEM OR AUTOMATIC SPRINKLER SYSTEM. [2013 NFPA 72 21.9.5]

B. DOORS SHALL UNLOCK UPON THE LOSS OF POWER CONTROLLING THE LOCKING DEVICES.

C. A SPECIAL LOCKING SYSTEM OF ELECTROMAGNETIC LOCKS MAY BE UTILIZED WHEN ALL THE FOLLOWING REQUIREMENTS ARE MET:
   1. THESE TYPES OF LOCKS MAY BE USED ONLY IN WARDS AND WINGS OR OTHER PORTIONS OF A FACILITY THAT REQUIRES SECURITY PROVISIONS FOR THE PROTECTION OF TIES PATIENTS.
   2. THESE SYSTEMS MAY BE USED PROVIDED NOT MORE THAN ONE SUCH SYSTEM IS LOCKED IN ANY EGRESS PATH.
   3. A WIRING DIAGRAM AND SYSTEM COMPONENTS LOCATION MAP SHALL BE PROVIDED UNDER GLASS ADJACENT TO THE FORE ALARM PANEL.
   4. AN ON/OFF EMERGENCY RELEASE SWITCH(ES) MUST BE CAPABLE OF INTERRUPTING POWER TO ALL ELECTROMAGNETICALLY LOCKED DOORS WITHIN THE WARD, WING, OR OTHER PORTIONS OF THE FACILITY. RELEASE SWITCH(ES) SHALL BE LOCATED AND IDENTIFIED AT EACH NURSES/STAFF STATION SERVING THE LOCKED WARD, WING, OR OTHER PORTIONS OF THE FACILITY AND ANY OTHER CONTROL SITUATION RESPONSIBLE FOR THE EVACUATION OF THE OCCUPANTS OF THE LOCKED UNITS THAT ARE MANNED 24 HOURS.
   5. AN ADDITIONAL ON/OFF EMERGENCY RELEASE SWITCH SHALL BE PROVIDED FOR EACH LOCKED DOOR AND LOCATED WITHIN 3 FEET OF THE DOOR AND SHALL NOT DEPEND ON RELAYS OR OTHER DEVICES TO CAUSE THE INTERRUPTION OF POWER.
   6. ANY REQUIRED EMERGENCY RELEASE SWITCH SHALL INTERRUPT THE POWER TO THE LOCKING DEVICE(S). IF ANY REQUIRED EMERGENCY RELEASE SWITCH IS OF THE LOCKING TYPE, ALL STAFF THAT ARE RESPONSIBLE FOR THE EVACUATION OF THE OCCUPANTS OF THE LOCKED UNIT MUST CARRY EMERGENCY RELEASE SWITCH KEYS. ADDITIONAL CONVENIENCE RELEASE DEVICES MAY BE PROVIDED.

D. EACH SPECIAL LOCKING INSTALLATION SHALL BE APPROVED BY THE APPROPRIATE FIRE AND BUILDING INSPECTION AUTHORITY PRIOR TO INSTALLATION, AFTER INSTALLATION, AND PRIOR TO INITIAL USE AND REVIEWED PERIODICALLY THEREAFTER.

E. EMERGENCY LIGHTING SHALL BE PROVIDED ON THE EGRESS SIDE OF EACH DOOR SUCH THAT IT ILLUMINATES THE LOCKING CONTROLS INVOLVED IN THE SPECIAL LOCKING ARRANGEMENT.

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ELECTRICAL
REFERENCES

ER 1.23

FIRE ALARM SYSTEM CONTROL MATRIX

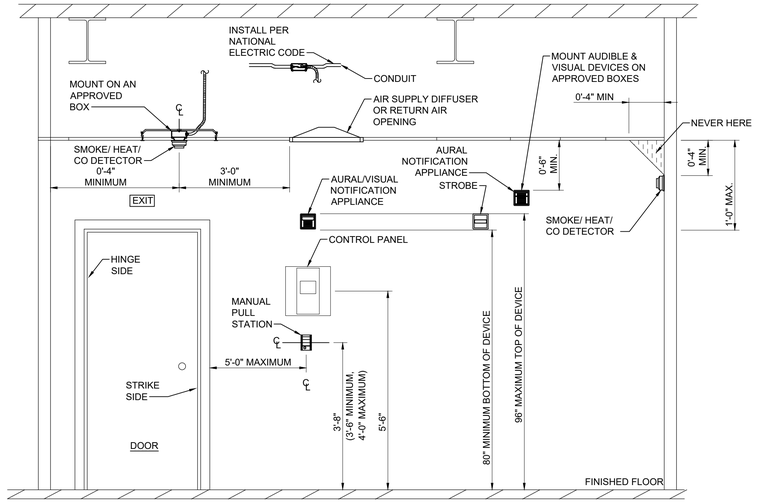
SYSTEM INPUTS	SYSTEM OUTPUTS: ACTUATE COMMON ALARM SIGNAL INDICATOR	ACTUATE NOTIFICATION APPLIANCES	ACTUATE COMMON TROUBLE SIGNAL INDICATOR	ACTUATE COMMON SUPERVISORY SIGNAL INDICATOR	ALARM SIGNAL TO MONITORING SERVICE	SUPERVISORY SIGNAL TO MONITORING SERVICE	TROUBLE SIGNAL TO MONITORING SERVICE	DISPLAY/PRINT CHANGE OF STATUS	RELEASE MAGNETICALLY HELD DOORS	SIGNAL HVAC CONTROL SYSTEM	SHUT OFF FUEL SOURCE TO FIREPLACE
SMOKE DETECTORS	X	X			X			X	X	X	
HEAT DETECTORS	X	X			X			X	X	X	
MANUAL PULL STATIONS	X	X			X			X	X		
CARBON MONOXIDE DETECTORS				X		X					
SYSTEM TROUBLE CONDITION			X				X	X			
LOSS OF FACP AC POWER (NOTE 1)			X				X	X			
GROUND FAULT			X				X	X			
SHORT CIRCUIT			X				X	X			
OPEN CIRCUIT			X				X	X			
EXHAUST HOOD FIRE SUPPRESSION SYSTEM	X	X			X			X	X	X	
SPRINKLER RISER #1 (MECH EQUIP 49) SYSTEM FLOW SWITCH (ES)	X	X			X			X	X	X	
SPRINKLER RISER #1 (MECH EQUIP 49) SYSTEM TAMPER SWITCH (ES)				X		X		X			
SPRINKLER RISER #1 (MECH EQUIP 49) PRESSURE SWITCH (ES)				X		X		X			
SPRINKLER RISER #1 (MECH EQUIP 49) PIV SUPERVISORY				X		X		X			
SPRINKLER RISER #1 RPZ TAMPER SWITCH (ES)				X		X		X			

NOTES:
1. ONLY AFTER LOSS OF POWER FOR > 8 HOURS.
2. ALL SPRINKLER FIRE ALARM SYSTEM CONNECTIONS ARE NOT SHOWN. REFER TO FIRE PROTECTION DRAWINGS FOR SPRINKLER DEVICE LOCATIONS.

FIRE ALARM LEGEND

SYMBOL	DESCRIPTION
F	FIRE ALARM MANUAL STATION, 48" AFF
15cd F	FIRE ALARM HORN/STROBE DEVICE, 80" AFF, "15cd" INDICATED CANDELA RATING
15cd F	FIRE ALARM VISUAL (ONLY) DEVICE, 80" AFF, "15 cd" INDICATES CANDELA RATING
15cd F	FIRE ALARM HORN/STROBE DEVICE, CEILING MOUNTED, "15cd" INDICATES CANDELA RATING
15cd F	FIRE ALARM VISUAL (ONLY) CEILING MOUNTED, "15cd" INDICATES CANDELA RATING
15cd F	FIRE ALARM CHIME/STROBE DEVICE, CEILING MOUNTED, "15cd" INDICATES CANDELA RATING
	DOOR HOLD OPEN DEVICE BY G.C.
?	SMOKE DETECTOR, CEILING MOUNTED
	HEAT DETECTOR, CEILING MOUNTED
C	CARBON MONOXIDE DETECTOR, CEILING MOUNTED
F	EXTERIOR ELECTRIC WATER BELL , WP, ANNUNCIATED WATER FLOW
	SPRINKLER TAMPER SWITCH
	SPRINKLER FLOW SWITCH
C	CONTROL MODULE
M	MONITOR MODULE
R	DUCT SMOKE DETECTOR, REMOTE INDICATING DEVICE (RAIL)
R	REMOTE INDICATING DEVICE (RAIL), WALL MOUNTED
I	ISOLATION MODULE
FACU	FIRE ALARM CONTROL UNIT (FACU)
FA REMOTE ANN	FIRE ALARM REMOTE ANNUNCIATOR PANEL

(SYMBOLS SHOWN FOR REFERENCE ONLY AND MAY NOT IMPLY CONTRACTUAL REQUIREMENTS)

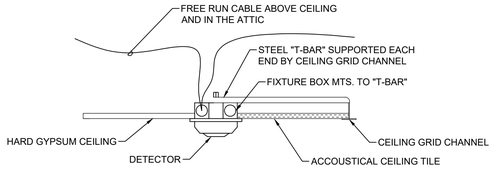


NOTE:
DETAIL SHOWN FOR REFERENCE ONLY, NOT ALL DEVICES ARE INDICATED ON PLANS.

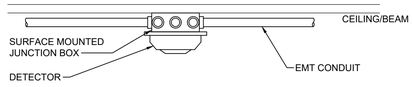
2 DEVICE MOUNTING DETAIL
NOT TO SCALE

ATTIC LOW VOLTAGE SYSTEMS CABLE INSTALLATION NOTES:

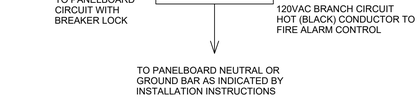
1. ALL LOW VOLTAGE SYSTEM CABLE INSTALLED FREE RUN IN THE ATTIC SHALL BE INSTALLED ON J HOOKS. CABLES SHALL BE INSTALLED IN A MANNER TO PROTECT THE CABLES FROM DAMAGE DURING INSTALLATION, FACILITATE CABLE MANAGEMENT AND IDENTIFICATION, AND PROVIDE A NEAT GROOMED APPEARANCE.
2. EACH CABLE SYSTEM SHALL BE INSTALLED AND SUPPORTED INDEPENDENTLY.
3. CABLING SHALL BE INSTALLED IN STRAIGHT PATHS IN A NEAT AND ORDERLY FASHION FOLLOWING MAINTENANCE WALKWAYS AND AT NINETY-DEGREE ANGLES. DIAGONAL, BEELINE AND OR NON-SUPPORTED CABLING ARE UNACCEPTABLE. CABLING SHALL BE ROUTED AS HIGH AS POSSIBLE AND ABOVE OTHER BUILDING FACILITIES IN THE PATH WITH THE LEAST OBSTRUCTIONS IN THE SPACE. PATHWAYS SHALL BE AT LEAST 2 FEET AWAY FROM ALL LIGHTING FIXTURES AND OTHER POTENTIAL EMF SOURCES. CABLES SHALL NOT BE STRAPPED TO ELECTRICAL POWER CONDUITS, PIPING OR OTHER SYSTEMS. HORIZONTAL CABLES SHALL BE BUNDLED USING HOOK AND LOOP STRAPS. PLASTIC CABLE TIES ARE NOT PERMITTED.
4. THE CABLE SUPPORT STRUCTURE SHALL UTILIZE APPROVED J HOOK CABLE SUPPORTS AND BE SIZED TO ACCOMMODATE CHANGE. J HOOK TYPE CABLE SUPPORTS SHALL BE SECURELY FASTENED TO THE BUILDING STRUCTURE AND BE SPACED AT A MAXIMUM DISTANCE OF FOUR (4) FEET SO HAT SAG BETWEEN SUPPORTS DOES NOT EXCEED 12 INCHES. ALL J HOOKS SHALL BE SIZED WITH 20% SPARE CAPACITY. ALL ATTACHMENT HARDWARE SHALL BE APPROVED FOR THE TYPE OF INSTALLATION AND MAXIMUM LOAD RATING OF THE PRODUCTS INSTALLED.
5. ALL PENETRATIONS THROUGH WALLS AND CEILINGS SHALL BE SLEEVED. ALL SLEEVES SHALL HAVE PERMANENTLY ATTACHED PLASTIC BUSHINGS. SLEEVES SHALL BE SIZED TO ACCEPT 50% GROWTH. ALL SLEEVES SHALL BE FIRE-STOPPED USING THIRD PARTY TESTING AGENCY APPROVED METHODS AND SHALL MAINTAIN ASSEMBLY FIRE RATINGS.



3 TYPICAL CEILING MOUNTED DEVICE DETAIL
NOT TO SCALE



4 TYPICAL SURFACE MOUNTED DEVICE DETAIL
NOT TO SCALE

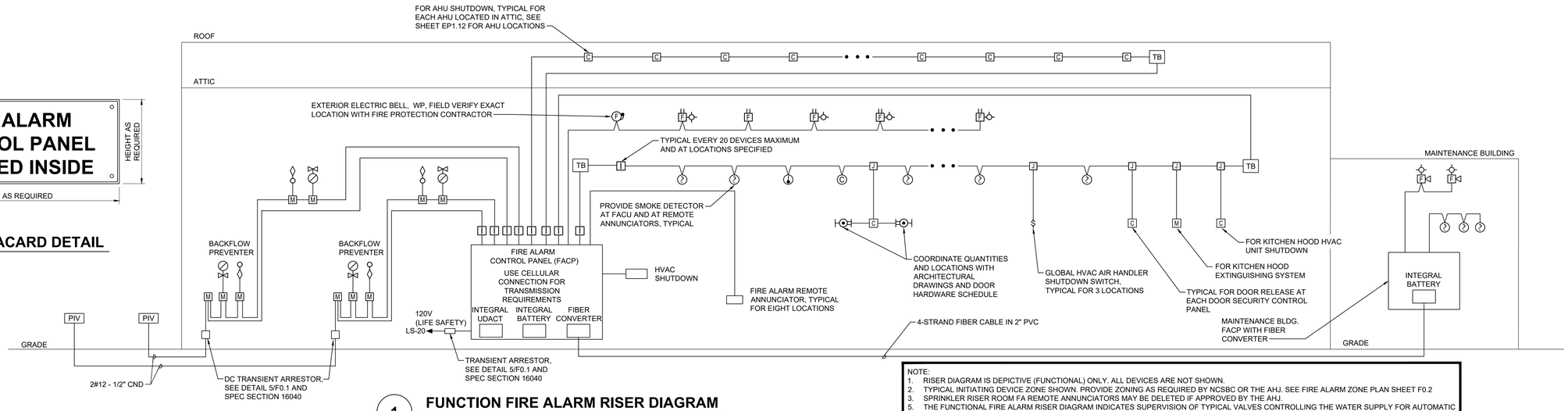


NOTES:
SECURELY MOUNT TRANSIENT ARRESTOR IN ACCESSIBLE JUNCTION BOX OR PROPER METAL ENCLOSURE ADJACENT TO THE PANELBOARD. PROVIDE ENGRAVED LABEL INDICATING ITS LOCATION

5 TRANSIENT ARRESTOR DETAIL
NOT TO SCALE



6 FACP PLACARD DETAIL
NOT TO SCALE



1 FUNCTION FIRE ALARM RISER DIAGRAM
NOT TO SCALE

NOTE:
1. RISER DIAGRAM IS DEPICTIVE (FUNCTIONAL) ONLY. ALL DEVICES ARE NOT SHOWN.
2. TYPICAL INITIATING DEVICE ZONE SHOWN. PROVIDE ZONING AS REQUIRED BY NCSBC OR THE AHJ. SEE FIRE ALARM ZONE PLAN SHEET F0.2
3. SPRINKLER RISER ROOM FA REMOTE ANNUNCIATORS MAY BE DELETED IF APPROVED BY THE AHJ.
5. THE FUNCTIONAL FIRE ALARM RISER DIAGRAM INDICATES SUPERVISION OF TYPICAL VALVES CONTROLLING THE WATER SUPPLY FOR AUTOMATIC SPRINKLER SYSTEMS, PUMPS, TANKS, WATER LEVELS AND TEMPERATURES, CRITICAL AIR PRESSURES AND WATERFLOW SWITCHES. THE CONTRACTOR MUST COORDINATE ALL OF THE ABOVE WITH THE FIRE PROTECTION DRAWINGS AND THE FIRE PROTECTION CONTRACTOR.
6. SEE SPECIFICATIONS SECTION 16040 FOR ADDITIONAL DETAILS AND REQUIREMENTS.

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Architecture Planning Design

100 BED FACILITY
FIRE ALARM NOTES, AND DETAILS

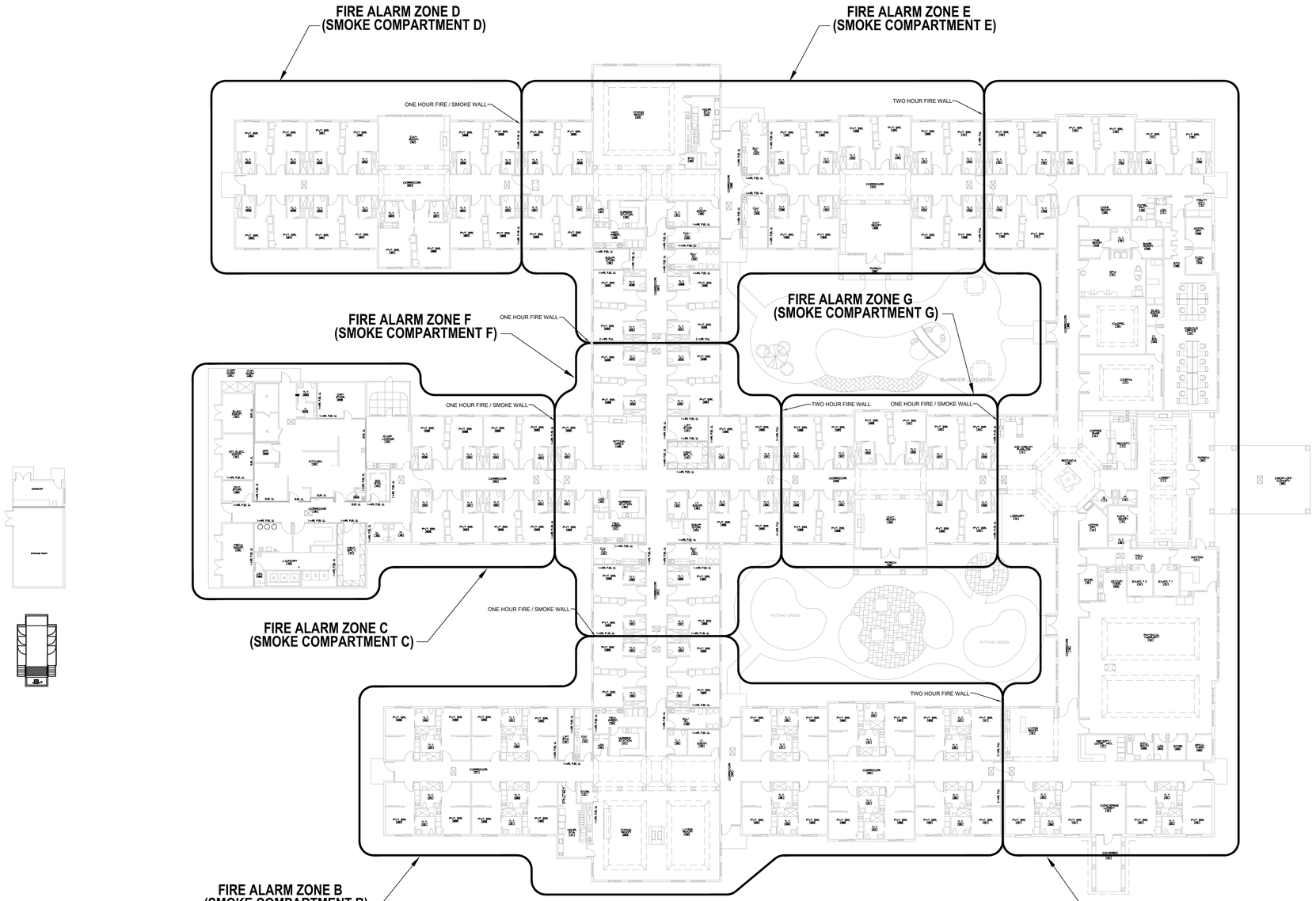
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9/25/2026

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NOTE:
SMOKE COMPARTMENT NOTIFICATION APPLIANCE ZONING IS SHOWN. PROVIDE ZONING OF NOTIFICATION APPLIANCE CIRCUITS AND SYSTEM OPERATION AS REQUIRED BY THE NORTH CAROLINA STATE BUILDING CODE, DHSR AND LOCAL CODE OFFICIALS.

1 **FIRE ALARM ZONE PLAN**
NOT TO SCALE

GENERAL FIRE ALARM NOTES

1. ALL ELECTRICAL WORK SHALL BE IN FULL COMPLIANCE WITH NFPA 70, THE NORTH CAROLINA STATE BUILDING CODE, ALL LOCAL CODES AND ORDINANCES AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY HAVING JURISDICTION.
2. ALL EQUIPMENT PROVIDED BY THE CONTRACTOR SHALL BE LISTED AND LABELED BY A NATIONALLY-RECOGNIZED TESTING AGENCY, ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION, FOR THE CONDITIONS OF INSTALLATION. ALL MATERIAL, EQUIPMENT AND DEVICES SHALL BE NEW CURRENT PRODUCTS OF MANUFACTURERS REGULARLY ENGAGED IN THE PRODUCTION OF SUCH PRODUCTS. EQUIPMENT SHALL BE SUITABLE FOR ITS APPLICATION (E.G. WHEN INSTALLED OUTDOORS, IT SHALL BE WEATHERPROOF, ETC.)
3. THE CONTRACTOR SHALL REVIEW THE FIRE ALARM DRAWINGS AND SPECIFICATIONS FOR WORK REQUIREMENTS, THE AMOUNT OF SPACE AVAILABLE FOR FIRE ALARM EQUIPMENT, AND LAYOUT HIS WORK IN A COMPATIBLE AND COMPLEMENTARY MANNER.
4. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THOROUGHLY FAMILIARIZING HIMSELF WITH ANY CONTRACTUAL REQUIREMENTS AS MAY BE SET FORTH IN THE OTHER DIVISIONS OF THE PROJECT SPECIFICATIONS.
5. UNLESS SPECIFICALLY NOTED OTHERWISE, SYSTEMS PROVIDED OR INSTALLED BY THE FIRE ALARM CONTRACTOR SHALL BE COMPLETE AND FULLY-FUNCTIONING AFTER INSTALLATION. INCIDENTAL COMPONENTS MAY NOT BE SHOWN, AND ALL WORK WHICH MAY BE REASONABLY IMPLIED AS BEING INCIDENTAL TO THIS WORK, BUT REQUIRED FOR THE PROPER OPERATION OF THE EQUIPMENT OR SYSTEM, SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
6. THE WORK SHALL INCLUDE COMPLETE TESTING OF ALL EQUIPMENT AND WIRING AT THE COMPLETION OF WORK AND ANY MINOR CORRECTIONS, CHANGES OR ADJUSTMENTS NECESSARY FOR THE PROPER FUNCTIONING OF THE SYSTEM AND EQUIPMENT.
7. ALL FIRE ALARM EQUIPMENT SHALL, AT ALL TIMES DURING CONSTRUCTION, BE ADEQUATELY PROTECTED AGAINST MECHANICAL INJURY, OR DAMAGE BY WATER AND/OR THE ELEMENTS. FIRE ALARM EQUIPMENT SHALL NOT BE STORED OUT OF DOORS, BUT SHALL BE STORED IN DRY PERMANENT SHELTERS. IF AN APPARATUS HAS BEEN DAMAGED, OR HAS BEEN SUBJECT TO POSSIBLE INJURY BY WATER OR THE ELEMENTS, SUCH DAMAGE SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.
8. DO NOT SCALE FIRE ALARM DRAWINGS. FIELD VERIFY ALL DIMENSIONS.
9. FIRE ALARM DEVICE LAYOUTS ARE NOT INTENDED TO SHOW THE NUMBER OF FITTINGS, OR OTHER INSTALLATION DETAILS. UNLESS NOTED OTHERWISE, THE EXACT ROUTING OF RACEWAYS AND CABLES IS THE RESPONSIBILITY OF THE CONTRACTOR. RISER AND GENERAL CIRCUIT ARRANGEMENTS ARE SHOWN SCHEMATICALLY/ DIAGRAMMATICALLY ONLY. THE CONTRACTOR SHALL ROUTE CONDUITS AS REQUIRED BY THE CONDITIONS OF THE INSTALLATION.
10. UNLESS DIMENSIONED, DEVICE LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. ADJUST EXACT LOCATIONS AS REQUIRED TO SERVE THE INTENDED PURPOSE AND TO AVOID CONFLICTS AND INTERFERENCES WITH OTHER TRADES. EXACT DEVICE LOCATIONS IF NOT SHOWN ON THE FIRE ALARM DRAWINGS OR DIMENSIONED ON THE FIRE ALARM DRAWINGS, VERIFY EXACT LOCATION WITH THE ENGINEER PRIOR TO ROUGH-IN.
11. CONDUIT TERMINATING IN PRESSED STEEL BOXES SHALL HAVE DOUBLE LOCKNUTS AND INSULATED BUSHINGS. CONDUITS TERMINATING IN GASKETED ENCLOSURES SHALL BE TERMINATED WITH GROUNDING TYPE CONDUIT HUBS.
12. ALL EXTERIOR WIRING DEVICES, BOXES, ETC. SHALL BE WEATHERPROOF. FIRE ALARM DEVICES SHALL BE APPROPRIATELY RATED AND LISTED FOR THE ENVIRONMENT.
13. MAINTAIN CEILING FIRE RATINGS WITH ALL NECESSARY ACCESSORIES, OPTIONS AND/OR FIELD FABRICATED SHROUDS COMPLYING WITH ALL APPLICABLE CODES.
14. RACEWAYS PENETRATING FLOORS, CEILINGS OR WALLS SHALL BE PROPERLY SEALED SMOKETIGHT.
15. ALL RACEWAYS SHALL BE CONCEALED WHERE POSSIBLE. IF APPLICABLE, MATCH EXISTING RACEWAY INSTALLATION METHODS AND ROUTINGS AT OR NEAR EXISTING FACILITIES.
16. INSTALL EXPOSED RACEWAYS PARALLEL TO OR AT RIGHT ANGLES TO NEARBY SURFACES OR STRUCTURAL MEMBERS, AND FOLLOW THE SURFACE CONTOURS AS MUCH AS POSSIBLE. NO DIAGONAL RUNS WILL BE ALLOWED. ALL CONDUITS SHALL BE RUN STRAIGHT AND TRUE. RUN PARALLEL OR BANKED RACEWAYS TOGETHER ON COMMON SUPPORTS WHERE PRACTICAL. MAKE BENDS IN PARALLEL OR BANKED RUNS FROM SAME CENTERLINE TO MAKE BENDS PARALLEL.
17. PROVIDE AND PLACE ALL SLEEVES FOR CONDUITS PENETRATING WALLS, FLOORS, PARTITIONS, ETC. LOCATE ALL NECESSARY SLOTS FOR ELECTRICAL WORK AND FORM BEFORE CONCRETE IS POURED.
18. PATCHING OF WATERPROOFED SURFACES SHALL RENDER THE AREA OF THE PATCHING COMPLETELY WATERPROOF.
19. SURFACE MOUNTED PANELS, JUNCTION AND PULL BOXES, RACEWAYS, ETC., INSTALLED ON EXTERIOR SURFACES OR INSIDE ON EXTERIOR WALLS SHALL BE SUPPORTED BY SPACERS TO PROVIDE A 1/4" MINIMUM CLEARANCE BETWEEN THE WALL AND EQUIPMENT.
20. CEILING MOUNTED DEVICES INSTALLED IN ACOUSTICAL TILE CEILING AREAS SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE WITH RODS OF SUFFICIENT SIZE TO PREVENT VERTICAL MOVEMENT OF THE DEVICE BOX. BRIDGES ALONE ARE NOT ADEQUATE UNLESS SPECIFICALLY APPROVED. CEILING MOUNTED DEVICES SHALL BE INSTALLED LEVEL. DO NOT SUPPORT DEVICES FROM ACOUSTICAL CEILING TILE.
21. COORDINATE LOCATIONS OF FIRE ALARM DEVICES BEFORE ROUGH-IN. ADVISE THE ENGINEER OF CONFLICTS BEFORE ROUGH-IN.
22. EXACT SPACING OF SMOKE AND HEAT DETECTORS BE FOLLOWED AS CLOSELY AS POSSIBLE WITH POSITIONS SHOWN ON THE DRAWINGS. DETECTOR SPACING IS BASED UPON NFPA 72 INCLUDING APPENDIX A. SLIGHT ADJUSTMENTS MAY BE MADE IN SPACING IF REQUIRED BY FIELD CONDITIONS, BUT SPACING SHALL NOT EXCEED ADA, NFPA AND EQUIPMENT MANUFACTURERS SPACING CRITERIA. DO NOT INSTALL SMOKE DETECTORS WITHIN 3 FEET OF SUPPLY AIR DIFFUSERS OR RETURN GRILLES. PROVIDE FLEX CONDUIT CONNECTION TO SMOKE AND HEAT DETECTORS OF ADEQUATE LENGTH TO ALLOW HORIZONTAL ADJUSTMENT OF FOUR FEET FROM POSITION INDICATED ON DRAWINGS.
23. INSTALLATION INFORMATION PACKED WITH DEVICES AND EQUIPMENT SHALL BE RETAINED FOR INCLUSION IN THE OPERATIONS AND MAINTENANCE MANUALS.
24. INSTALL WORK AT SUCH TIME AS TO REQUIRE THE MINIMUM AMOUNT TO CUTTING AND PATCHING.
25. CUT OPENINGS ONLY LARGE ENOUGH TO ALLOW EASY INSTALLATION OF THE CONDUIT.

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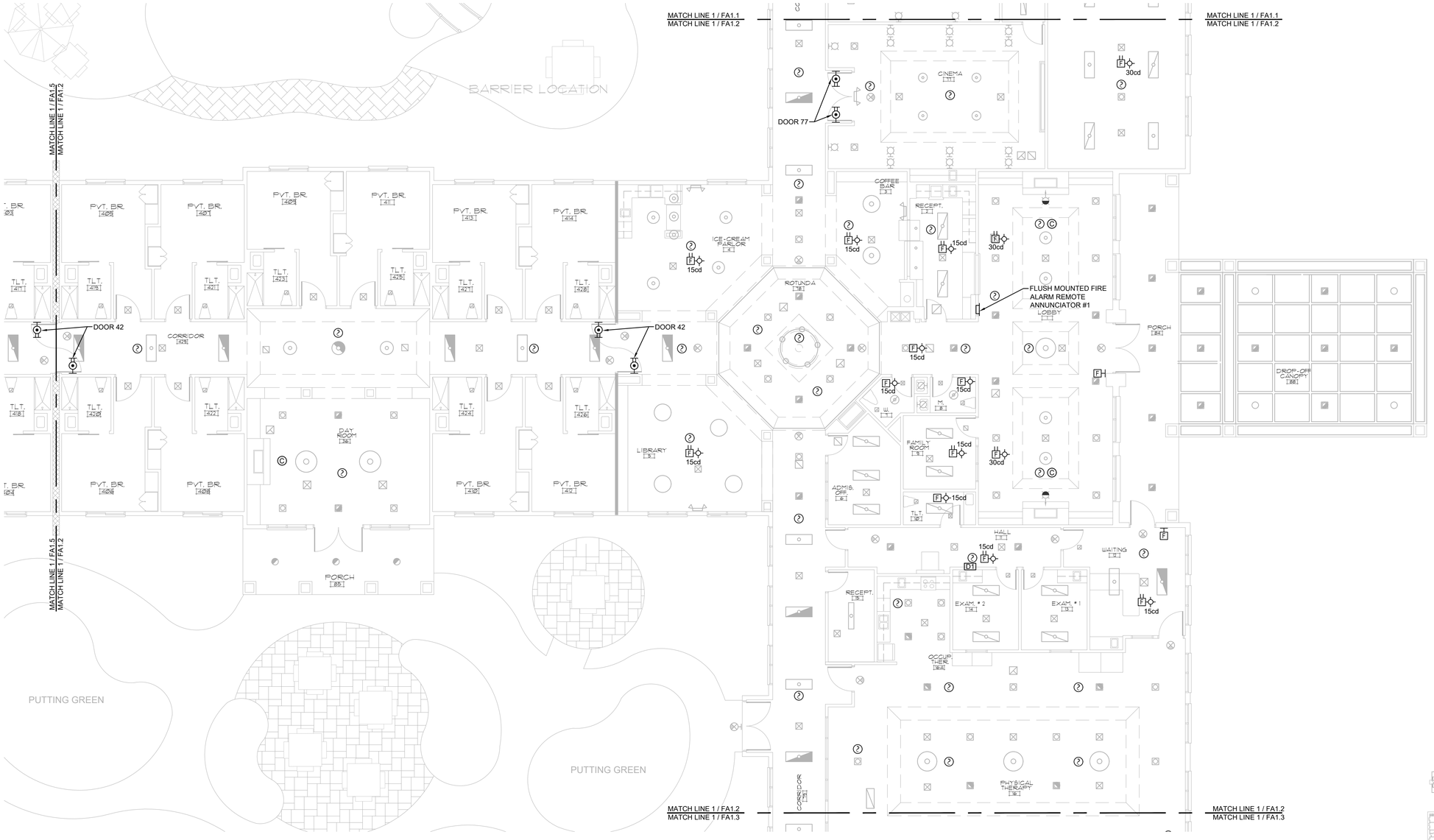
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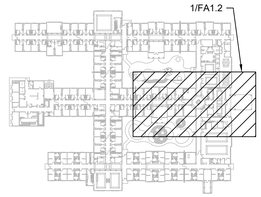

MATCH LINE 1 / FA1.6
MATCH LINE 1 / FA1.1
PVT. BR. 101
PVT. BR. 102
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PVT. BR. 106
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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433 REGISTERED
9/25/2026

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1 **PARTIAL FIRE ALARM PLAN**
1/8" = 1'-0"
0 4' 8' 16'
PLAN NORTH

WALL TYPE LEGEND

	1 HOUR FIRE BARRIER WALL
	1 HOUR FIRE/SMOKE BARRIER WALL
	2 HOUR FIRE BARRIER WALL
	SMOKE RESISTANT WALL

0 **KEYPLAN**
NOT TO SCALE

David R. Polston - Architect
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

PRUITTHEALTH
FORSYTH COUNTY, L.L.C.
Winston-Salem, North Carolina

REV	DESCR.	DATE
1	REVISIONS PER PLAN REVIEW	09.29.2026

100 BED FACILITY
PARTIAL
FIRE ALARM PLAN

FA 1.2

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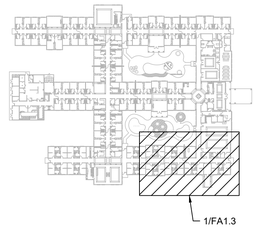


1 PARTIAL FIRE ALARM PLAN
1/8" = 1'-0"
0 4' 8' 16'

PLAN NORTH

WALL TYPE LEGEND

- 1 HOUR FIRE BARRIER WALL
- 1 HOUR FIRE/SMOKE BARRIER WALL
- 2 HOUR FIRE BARRIER WALL
- SMOKE RESISTANT WALL



0 KEYPLAN
NOT TO SCALE

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433 REGISTERED
9/25/2026

09-29-2026 BID

PRUITTHEALTH
FORSYTH COUNTY, L.L.C.
Winston-Salem, North Carolina

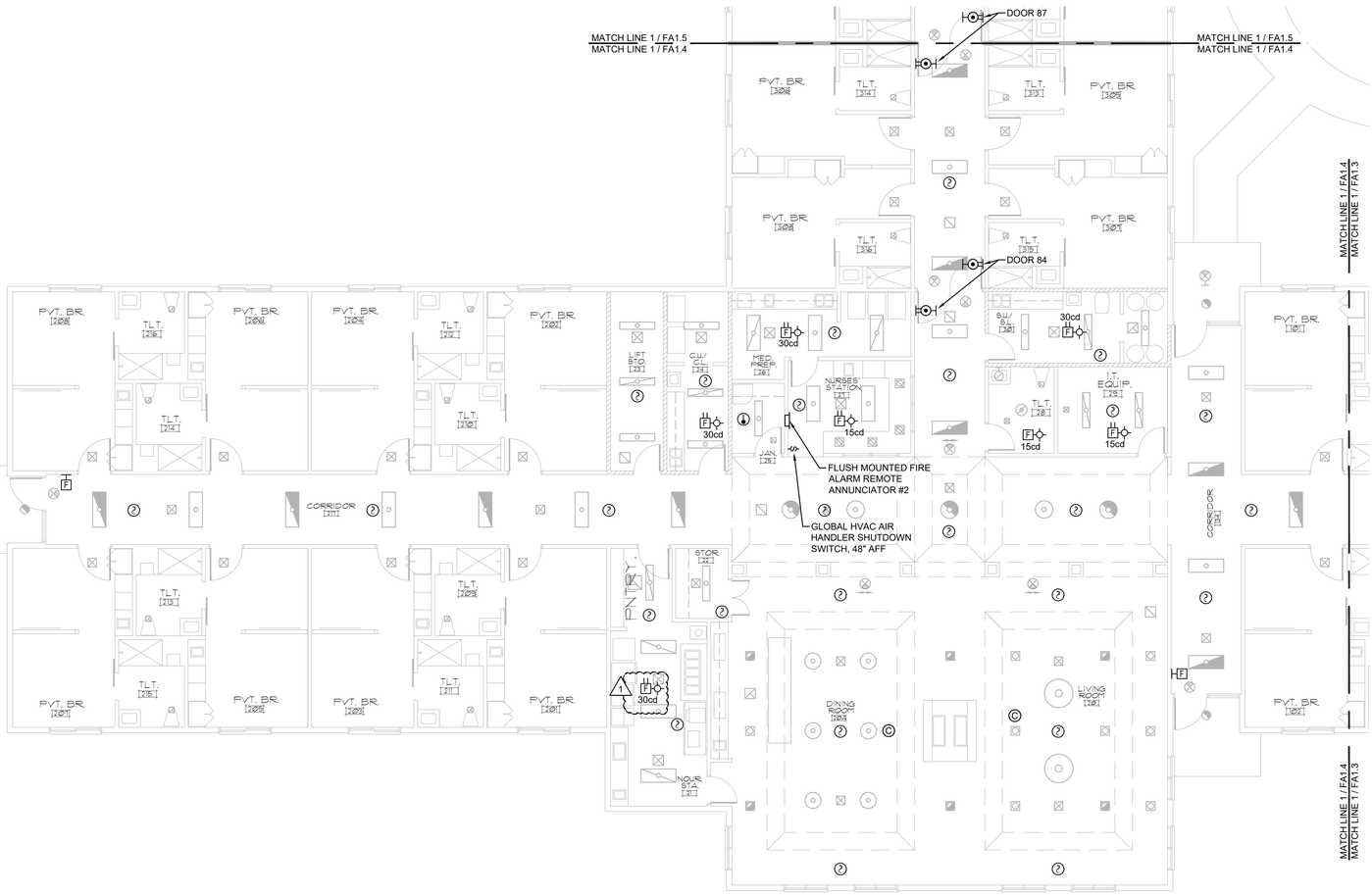
David R. Polston - Architect
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

REV	DESCR	DATE
1	REVISIONS PER PLAN REVIEW	09.29.2026

100 BED FACILITY
FIRE ALARM PARTIAL PLAN

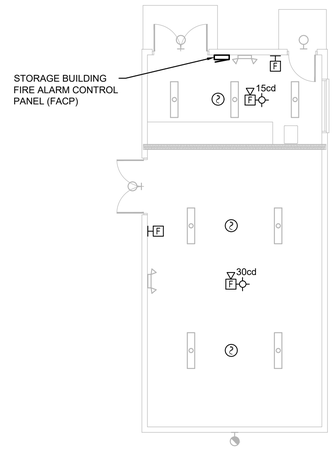
FA 1.3

CBHF
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1 **PARTIAL FIRE ALARM PLAN**
1/8" = 1'-0" 0 4' 8' 16'

PLAN NORTH

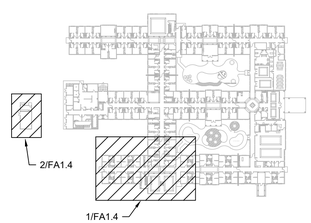


2 **STORAGE BUILDING FIRE ALARM PLAN**
1/8" = 1'-0" 0 4' 8' 16'

PLAN NORTH

WALL TYPE LEGEND

- 1 HOUR FIRE BARRIER WALL
- 1 HOUR FIRE/SMOKE BARRIER WALL
- 2 HOUR FIRE BARRIER WALL
- SMOKE RESISTANT WALL



0 **KEYPLAN**
NOT TO SCALE

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FIRE ALARM PARTIAL PLAN

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100 BED FACILITY
FIRE ALARM
PARTIAL PLAN

FA 1.5

SURFACE MOUNTED FIRE ALARM REMOTE ANNUNCIATOR #8

SURFACE MOUNTED FIRE ALARM REMOTE ANNUNCIATOR #7

FLUSH MOUNTED FIRE ALARM REMOTE ANNUNCIATOR #5

SURFACE MOUNTED FIRE ALARM REMOTE ANNUNCIATOR #6

EXTERIOR ELECTRIC BELL, WP

SPRINKLER RISER TAMPER AND FLOW SWITCHES, COORDINATE QUANTITIES AND EXACT LOCATIONS WITH FIRE PROTECTION DRAWINGS

FLUSH MOUNTED FIRE ALARM REMOTE ANNUNCIATOR #3

GLOBAL HVAC AIR HANDLER SHUTDOWN SWITCH, 48" AFF

DOOR 85 DOOR 88 DOOR 92 DOOR 87 DOOR 42

MATCH LINE 1 / FA1.6
MATCH LINE 1 / FA1.5
MATCH LINE 1 / FA1.4
MATCH LINE 1 / FA1.2

PUTTING GREEN

CARBON MONOXIDE DETECTOR PLACEMENT:

A. PROVIDE CARBON MONOXIDE (CO) DETECTION IN AREAS WHERE FUEL-BURNING APPLIANCES ARE INSTALLED, INCLUDING BUT NOT LIMITED TO COMMERCIAL KITCHENS AND LAUNDRY ROOMS WITH GAS-FIRED EQUIPMENT.
B. INSTALL CO DETECTORS AS SHOWN AND IN THE SAME ROOM AS FUEL-BURNING APPLIANCES AND/OR IN ADJACENT SPACES WHERE CO CAN MIGRATE. IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPLICABLE CODES.
C. LOCATE DETECTORS ON WALLS OR CEILINGS AS SHOWN AND PER MANUFACTURER'S REQUIREMENTS; DO NOT INSTALL WITHIN DEAD AIR SPACES, DIRECTLY ABOVE APPLIANCES, OR IN AREAS SUBJECT TO EXCESSIVE MOISTURE, GREASE, OR AIR TURBULENCE.
D. CO ALARM ACTIVATION SHALL INITIATE A DISTINCT SUPERVISORY OR ALARM SIGNAL AS REQUIRED BY CODE AND SHALL NOT BE SILENCED BY NORMAL FIRE ACKNOWLEDGE FUNCTIONS.
1 E. CO DETECTORS SHALL BE LISTED FOR COMMERCIAL APPLICATIONS AND INSTALLED IN ACCORDANCE WITH NFPA 72 REQUIREMENTS FOR CO DETECTION.
F. CO DETECTOR LOCATIONS AND QUANTITIES SHALL BE COORDINATED WITH THE FIRE ALARM SYSTEM DESIGNER AND AUTHORITY HAVING JURISDICTION (AHJ) PRIOR TO INSTALLATION.

1/FA1.5

1 PARTIAL FIRE ALARM PLAN
1/8" = 1'-0"
0 4' 8' 16'

PLAN NORTH

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- 2 HOUR FIRE BARRIER WALL
- SMOKE RESISTANT WALL

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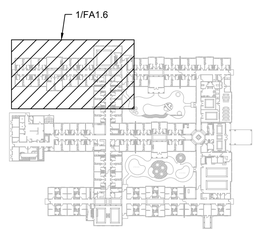
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FIRE ALARM
PARTIAL PLAN

FA 1.6





1 PARTIAL FIRE ALARM PLAN
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