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
OS2	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	SAFETY SWITCH, FUSED, HEAVY DUTY, SIZE AS INDICATED ON ATTIC AND EXTERIOR MECHANICAL EQUIPMENT CONNECTIONS SCHEDULE SHEET EP1.12
CB	ENCLOSED CIRCUIT BREAKER, SIZE AND RATING AS INDICATED ON DRAWINGS
	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 ## = AMPERAGE RATING WHEN INDICATED ON DRAWING
	UP/STOP/DN 3 PUSHBUTTON CONTROLER
	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	ELECTRIC MOTOR
1	GROUND BUS, "E" INDICATES ELECTRICAL GROUND BAR, "TG" INDICATES TELECOMMUNICATIONS GROUND BAR

SYMBOL	DESCRIPTION
WP WAP WALL CLNG	WIRELESS ACCESS POINT, 1 DATA IN A DUAL GANG BOX WITH A SINGLE GANG PLASTER RING, OWNER SHALL PROVIDE SURGE PROTECTOR AND WAP DEVICE, THE ELECTRICAL CONTRACTOR SHALL INSTALL FLUSH OUTLET BOX N CEILING AND BOX SUPPORT FROM STRUDTURE. ALL ELSE BY OWNER'S VENDOR WP - LISTED WEATHER-RESISTANT TYPE DEVICE
	COMBINATION DATA/TELEPHONE OUTLET, MOUNTED 18" AFF UNLESS OTHERWISE NOTED. PROVIDE 1 1/4" CONDUIT TO ABOVE ACCESSIBLE GRID CEILING W/PULL STRING. OUTLETS LOCATED BELOW HARD (GYP BOARD) CEILINGS, ROUTE 1 1/4" CONDUIT BACK TO TELEPHONE/DATA ROOM OR ADJACENT ACCESSIBLE CEILING CAVITY. DATA/TELEPHONE CABLES PROVIDED AND INSTALLED BY OWNER.
	COMBINATION DATA/TELEPHONE OUTLET, RECESSED CEILING MOUNTED (LAY-IN / GYPBOARD) PROVIDE 11/4" CONDUIT TO ABOVE ACCESSIBLE GRID CEILING W/PULL STRING. OUTLETS LOCATED BELOW HARD (GYP BOARD) CEILINGS, ROUTE 1 1/4" CONDUIT BACK TO TELEPHONE/DATA ROOM OR ADJACENT ACCESSIBLE CEILING CAVITY. DATA/TELEPHONE CABLES PROVIDED AND INSTALLED BY OWNER.
2G	COMBINATION POWER/DATA/TELEPHONE BOX, RECESSED CAST-IN-PLACE FLOOR BOX. PROVIDE COVER PLATE WITH FLUSH ACCESS COVERS FOR EACH PLUG IN CONNECTION. COORDINATE COVER FINISH WITH ARCHITECT/OWNER. PROVIDE 1 1/4" EMPTY CONDUIT TO ACCESSIBLE CEILING CAVITY WITH PULL STRING FOR OWNER PROVIDED AND INSTALLED DATA TELEPHONE CABLES. REFER TO POWER PLANS FOR POWER CONNECTIONS 2G = GANG FLOOR BOX WITH ONE DUPLEX RECEPTACLES, VOICE AND DATA OUTLETS
	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
TV	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.
TV	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
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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NORTH CAROLINA PROFESSIONAL SEAL 8433 ENGINEER BRIAN W. FREEMAN
8/25/2025

ISSUED FOR CONSTRUCTION
08-26-2025

PRUITT HEALTH
TOWN CENTER
Harrisburg, North Carolina

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

57 BEDROOM ADDITION /RENOVATION
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 KNOWLEGDE 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, BENDS, OFFSETS, JUNCTION AND PULL BOXES OR OTHER INSTALLATION DETAILS. UNLESS NOTED OTHERWISE, THE EXACT ROUTING OF SERVICE, FEEDER AND BRANCH CIRCUIT, AND LOW VOLTAGE SYSTEMS, RACEWAYS, CONDUCTORS 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 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.

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

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

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

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

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

17. RACEWAYS AND CABLES PENETRATING FLOORS, CEILINGS OR WALLS SHALL BE SEALED SMOKETIGHT IN AN APPROVED MANNER.

18. 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.

19. ALL RACEWAYS AND CABLES SHALL BE CONCEALED EXCEPT THOSE SPECIFICALLY SHOWN ON DRAWINGS TO BE EXPOSED.

20. ALL CABLES INSTALLED FREE RUN IN THE ATTIC SHALL BE SUPPORTED BY J HOOKS. SEE ATTIC LOW VOLTAGE SYSTEMS CABLE INSTALLATION NOTES ON THE DRAWINGS.

21. 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.

22. 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.

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

24. 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.

25. 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.

26. 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.

27. 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 16 OF THE PROJECT SPECIFICATIONS.

28. 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.

29. ALL UNDERGROUND RACEWAYS SHALL BE IDENTIFIED BY DETECTABLE UNDERGROUND LINE MARKING TAPE LOCATED DIRECTLY ABOVE THE RACEWAY AT 6 TO 8 INCHES BELOW FINISHED GRADE.

30. 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.

31. 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.

32. 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.

33. 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.

34. REFER TO THE "MINIMUM CONDUCTORS SIZE CHART" ON THE DRAWINGS AND INCREASE CONDUCTORS SIZES AS REQUIRED TO MAINTAIN A MAXIMUM OF 3% VOLTAGE DROP. UPSIZE RACEWAYS AS REQUIRED BY NEC FILL REQUIREMENTS.

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.

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. 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.

39. DO NOT COMBINE BRANCH CIRCUIT HOMERUNS UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS.

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

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

42. 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.

43. 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 GFCI PROTECTED. ALL RECEPTACLES IN NON-RESIDENTIAL KITCHENS, BATHROOMS, ROOFTOPS, SINKS, INDOOR DAMP AND WET LOCATIONS, OUTDOORS, ETC. SHALL BE GFCI PROTECTED PER NEC ARTICLE 210.8.

44. 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 AND LABELLED.

45. PROVIDE ARC FAULT PROTECTED CIRCUITS AS SHOWN ON THE DRAWINGS AND AS REQUIRED BY NEC ART. 210.12.

46. 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).

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

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

49. ADJACENT SWITCHES SHALL BE GANGED. DO NOT INSTALL MULTIPLE GANGED SWITCHES AT THE SAME LOCATION UNLESS MORE THAN SIX GANGS ARE REQUIRED.

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

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

52. 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.

53. COORDINATE LOCATIONS OF PLUMBING, MECHANICAL, DATA, TELEPHONE, PAGING, NURSE CALL, ACCESS CONTROL/SPECIAL LOCKING/DOOR MAG LOCKS, AIPHONE SYSTEM, CATV SYSTEM, SECURITY CAMERAS, AUDIO/VISUAL EQUIPMENT, ETC. AND OF OWNER-PROVIDED EQUIPMENT WITH THE RESPECTIVE CONTRACTORS AND VENDORS AND THE OWNER BEFORE ROUGH-IN. SEE SPECS SECTION 16041 - 16047 FOR ADDITIONAL REQUIREMENTS. 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.

54. 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.

55. 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 AND VENDORS 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.

56. 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.

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

58. 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.

59. 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.

60. 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, THE CONTRACTOR'S SERVICE ENTRANCE RACEWAYS AND FOR CONNECTIONS TO THE CONTRACTOR'S SERVICE ENTRANCE CONDUCTORS.

61. 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.

62. 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.

63. 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 OR FREE RUN CABLE CONNECTION TO SMOKE AND HEAT DETECTORS OF ADEQUATE LENGTH TO ALLOW HORIZONTAL ADJUSTMENT OF FOUR FEET FROM POSITION INDICATED ON DRAWINGS.

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

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NORTH CAROLINA PROFESSIONAL SEAL 8433 ENGINEER BENJAMIN WARNER
8/25/2025

ISSUED FOR CONSTRUCTION
08-26-2025

PRUITT HEALTH
TOWN CENTER
Harrisburg, North Carolina

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Architecture Planning Design

57 BEDROOM ADDITION /RENOVATION
ELECTRICAL
GENERAL NOTES

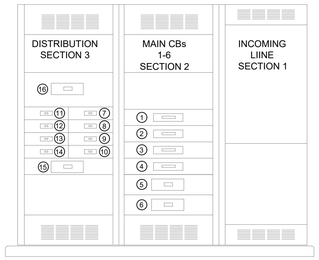
E0.2

EXISTING SWITCHBOARD MDP SCHEDULE AND SECTION 3 MODIFICATIONS			
CB ID	POLES/TRIP	LOAD	NOTES
SECTION	1 - INCOMING LINE		
SECTION	2 - MAIN CBs 1 - 6 (NO MODIFICATIONS)		
1	3/400	SPACE	
2	3/400	MTS	
3	3/400	PANEL EC	
4	3/400	PANEL BB (100 WING)	
5	3/600	PANEL AA (REHAB)	
6	3/1200	SECTION 3 MAIN	
SECTION	2 - DISTRIBUTION (MODIFICATIONS AS NOTED BELOW)		
7	3/60	STORAGE BLDG.	
8	3/100	PANEL EM	
9	3/225	PANEL DD (300 WING)	
10	3/225	AC (200 WING)	
11	3/200	NEW PANEL GA	NEW CB
12	3/225	NEW ATS-ECG (PANEL ECG)	NEW CB
13	3/100	PANEL W (LAUNDRY)	
14	3/225	PANEL F (HOUSEKEEPING 225)	
15	3/400	PANEL LS (KITCHEN)	
16	3/600	NEW MTS-EHG (PANEL EHG)	NEW CB

NOTES:

1. SWITCHBOARD IS CUTLER HAMMER POW-R-LINE TYPE, 2500A, 208/120V, 3 PHASE, 4 WIRE.

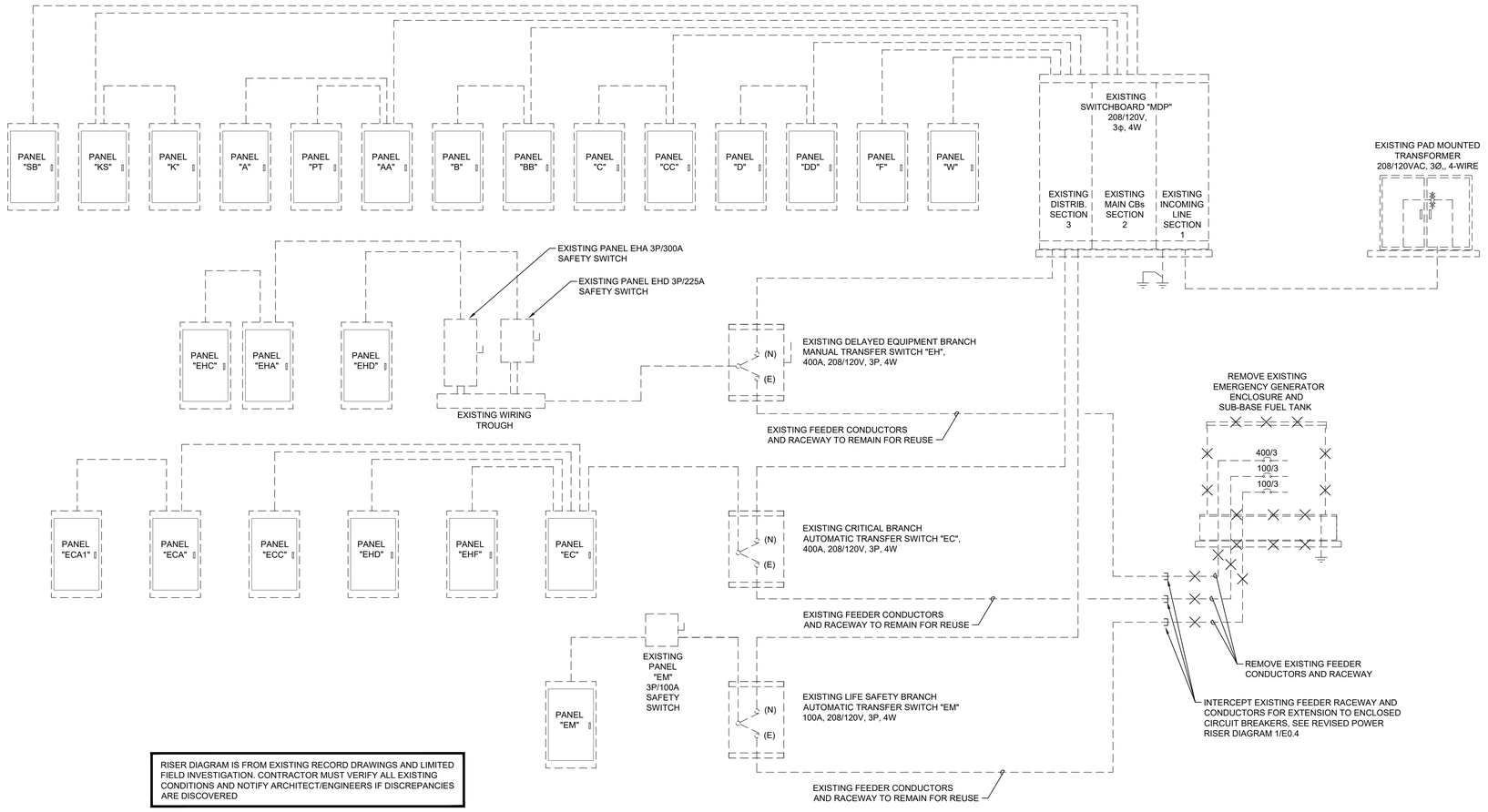
2. ALL NEW CIRCUIT BREAKERS MUST BE RATED TO MAINTAIN THE SWITCHBOARD RATINGS. PROVIDE EATON RETROFIT KIT(S), MOUNTING AND CONNECTION HARDWARE, FILLER COVERS AND ACCESSORIES AS REQUIRED FOR INSTALLATION OF NEW CIRCUIT BREAKERS AND REQUIRED MODIFICATIONS.



FRONT ELEVATION

2 - EXISTING SWITCHBOARD "MDP"

NOT TO SCALE



RISER DIAGRAM IS FROM EXISTING RECORD DRAWINGS AND LIMITED FIELD INVESTIGATION. CONTRACTOR MUST VERIFY ALL EXISTING CONDITIONS AND NOTIFY ARCHITECT/ENGINEERS IF DISCREPANCIES ARE DISCOVERED

1 - EXISTING POWER RISER DIAGRAM

NOT TO SCALE

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8/25/2025

ISSUED FOR CONSTRUCTION
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57 BEDROOM ADDITION /RENOVATION
DEMOLITION POWER RISER DIAGRAM

E0.3

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NORTH CAROLINA PROFESSIONAL SEAL 8433 ENGINEER BRIAN M. WARREN
8/25/2025

ISSUED FOR CONSTRUCTION
08-26-2025

PANEL "HB"
PANEL "HA"
PANEL "MDPH"
SPD
4#3/0 & 1#6 GND - 2" CND
SPD NOTE, TYPICAL:
1. SURGE PROTECTION DEVICE (SPD) MUST BE MOUNTED TO KEEP LEADS AS SHORT AS POSSIBLE.
2. SPD's MUST BE INSTALLED ON A 30A, 3 POLE BREAKER IN
3. PANELBOARD BEING PROTECTED. MAKE CONNECTIONS WITH 10 AWG CONDUCTORS AS PROVIDED BY SPD MANUFACTURER. IF SPD MANUFACTURER PROVIDES TERMINAL BLOCK ONLY (NO CONDUCTORS, OR CONDUCTORS OTHER THAN 10 AWG, THEN REFERENCE NEC TO DETERMINE BREAKER SIZE REQUIRED AND/OR REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR REQUIRED BREAKERS SIZE; NEC REQUIRED BREAKER SIZE IS BASED ON CONDUCTOR AWG. IF BREAKER REQUIRED IS OTHER THAN 30 A (10 AWG CONDUCTORS), PROVIDE NEC REQUIRED BREAKER AT NO ADDITIONAL COST TO OWNER
SEE 1/E0.6 AND 2/E0.6
4#1 & 1#6 GND - 1 1/2" CND
PANEL "CH"
(N)
(E)
CRITICAL BRANCH AUTOMATIC TRANSFER SWITCH "CH", 150A, 208/120V, 3P, 4W, NEMA-1 ENCLOSURE
4#1 & 1#6 GND - 1 1/2" CND
PARALLEL SERVICE: 2 SETS OF 4-500 KCMIL IN 2 - 3" CND TO EXISTING OR NEW PAD MOUNTED TRANSFORMER (AS DETERMINED BY UTILITY COMPANY), COORDINATE WITH UTILITY COMPANY
4#500 & 1#3 GND - 3" CND
PANEL "EHH"
(N)
(E)
DELAYED EQUIPMENT BRANCH AUTOMATIC TRANSFER SWITCH "EHH", 400A, 208120V, 3P, 4W, NEMA-1 ENCLOSURE
4#500 & 1#3 GND - 3" CND
4#4 & 1#8 GND - 1 1/4" CND
PANEL "LSH"
SPD
4#4 & 1#8 GND - 1 1/4" CND
(N)
(E)
LIFE SAFETY BRANCH AUTOMATIC TRANSFER SWITCH "LSH" 70A, 208/120V, 3P, 4W, NEMA-1 ENCLOSURE
4#4 & 1#8 GND - 1 1/4" CND
CB 70A
CB 350A
CB 125A
ALL ENCLOSED CIRCUIT BREAKERS ARE 208/120V, 3P, 4W IN NEMA-1 ENCLOSURES AND RATED 18,000 AIC MINIMUM
4#3 & 1#8 GND - 1 1/4" CND
4#1/0 & 1#6 GND - 2" CND
4#500 & 1#3 GND - 3" CND
CONCIERGE ADDITION WIRING TROUGH: MAKE PHASE, NEUTRAL AND EQUIPMENT GROUND CONDUCTORS TAPS IN GALVANIZED, GASKETED, SCREW COVER WIRING TROUGH, SIZE AS REQUIRED, WITH POWER TERMINAL BLOCKS OR INSULATED POLARIS TYPE SPLICE BLOCKS. OTHER MECHANICAL CONNECTIONS ARE NOT ACCEPTABLE. POWER TERMINAL BLOCKS OR POLARIS TYPE SPLICES BLOCKS SHALL BE MECHANICALLY SECURED TO THE TROUGH WITH MANUFACTURER APPROVED MEANS
CONCIERGE ADDITION

4#1/0 & 1#8 GND - 2" CND
PANEL "GB"
PANEL "GA"
EXISTING PANEL "SB"
EXISTING PANEL "KS"
EXISTING PANEL "K"
EXISTING PANEL "A"
EXISTING PANEL "PT"
EXISTING PANEL "AA"
EXISTING PANEL "B"
EXISTING PANEL "BB"
EXISTING PANEL "C"
EXISTING PANEL "CC"
EXISTING PANEL "D"
EXISTING PANEL "DD"
EXISTING PANEL "F"
EXISTING PANEL "W"
TO SWITCHBOARD "MDP"
LIFE SAFETY AND CRITICAL BRANCH SYSTEMS NOTE: ALL FEEDERS OF THE LIFE SAFETY AND CRITICAL BRANCHES MUST BE INSTALLED AND PROTECTED AS REQUIRED BY NEC ARTICLE 700 INCLUDING ARTICLE 700 PART II
PARALLEL FEEDER: 2 SETS OF 4-350 KCMIL & 1#1 GND IN 2 - 3" CND
4#250 & 1#4 GND - 2 1/2" CND
PANEL "EHG1"
PANEL "EHG"
EXISTING PANEL "EHC"
EXISTING PANEL "EHA"
EXISTING PANEL "EHD"
EXISTING PANEL EHD 3P/300A SAFETY SWITCH
EXISTING PANEL EHA 3P/225A SAFETY SWITCH
EXISTING WIRING TROUGH
EXISTING DELAYED EQUIPMENT BRANCH MANUAL TRANSFER SWITCH "EH", 400A, 208/120V, 3P, 4W
EXISTING RACEWAY AND CONDUCTORS
IN-GROUND SPLICE BOX, SEE 6/EP1.7
4#3/0 & 1#6 GND - 2" CND
4#3 & 1#8 GND - 1 1/4" CND
PANEL "ECG1"
PANEL "ECG"
EXISTING PANEL "ECA1"
EXISTING PANEL "ECA"
EXISTING PANEL "ECC"
EXISTING PANEL "EHD"
EXISTING PANEL "EHF"
EXISTING PANEL "EC"
EXISTING 3P/100A SAFETY SWITCH
EXISTING PANEL "EM"
EXISTING CRITICAL BRANCH AUTOMATIC TRANSFER SWITCH "EC", 400A, 208/120V, 3P, 4W
EXISTING RACEWAY AND CONDUCTORS
IN-GROUND SPLICE BOX, SEE 6/EP1.7
4#500 & 1#3 GND - 3" CND
EXISTING LIFE SAFETY BRANCH AUTOMATIC TRANSFER SWITCH "EM" 100A, 208/120V, 3P, 4W
EXISTING RACEWAY AND CONDUCTORS
IN-GROUND SPLICE BOX, SEE 6/EP1.7
4#3 & 1#8 GND - 1 1/4" CND
PARALLEL FEEDER: 2 SETS OF 4-350 KCMIL & 1#1 GND IN 2 - 3" CND
EXISTING BUILDING AND ADDITION
4#4/0 & 1#4 GND - 2 1/2" CND
(N)
(E)
CRITICAL BRANCH AUTOMATIC TRANSFER SWITCH "ECG", 225A, 208/120V, 3P, 4W, NEMA-1 ENCLOSURE
4#4/0 & 1#4 GND - 2 1/2" CND
PARALLEL FEEDER: 2 SETS OF 4-350 KCMIL & 1#1 GND IN 2 - 3" CND
(N)
(E)
DELAYED EQUIPMENT BRANCH MANUAL TRANSFER SWITCH, "EHG" DOUBLE THROW, CENTER OFF, 600A, 208/120V, 3P, 4W, NEMA-1 ENCLOSURE
PARALLEL FEEDER: 2 SETS OF 4-350 KCMIL & 1#1 GND IN 2 - 3" CND
EXISTING SWITCHBOARD "MDP" 208/120V, 3ϕ, 4W, SEE 2/E0.3
EXISTING DISTRIB. SECTION 3
EXISTING MAIN CBs SECTION 2
EXISTING INCOMING LINE SECTION 1
EXISTING GROUNDING ELECTRODE SYSTEM TO REMAIN, SEE 1/E0.6
EXISTING PAD MOUNTED TRANSFORMER 208/120VAC, 3Ø, 4-WIRE
TO PANEL "MDPH"
GENERATOR LOAD WIRING TROUGH: MAKE PHASE, NEUTRAL AND EQUIPMENT GROUND CONDUCTORS TAPS IN GALVANIZED, GASKETED, SCREW COVER WIRING TROUGH, SIZE AS REQUIRED, WITH POWER TERMINAL BLOCKS OR INSULATED POLARIS TYPE SPLICE BLOCKS. OTHER MECHANICAL CONNECTIONS ARE NOT ACCEPTABLE. POWER TERMINAL BLOCKS OR POLARIS TYPE SPLICE BLOCKS SHALL BE MECHANICALLY SECURED TO THE TROUGH WITH MANUFACTURER APPROVED MEANS
ENGINE-GENERATOR WITH SOUND ATTENUATING ENCLOSURE, SEE SPECS SECTION 16035
1600/3
ENGINE-GENERATOR SET SUB-BASE FUEL TANK, SEE SPEC SECTION 16035
GROUND GENERATOR FRAME
4#3 & 1#8 GND - 1 1/4" CND
4#500 & 1#3 GND - 3" CND
PARALLEL FEEDER: 5 SETS OF 4-400 KCMIL & 1-4/0 GND IN 5 - 3" CND
PARALLEL FEEDER: 2 SETS OF 4-350 KCMIL & 1#1 GND IN 2 - 3" CND
4#4/0 & 1#4 GND - 2 1/2" CND
PARALLEL FEEDER: 2 SETS OF 4-350 KCMIL & 1#1 GND IN 2 - 3" CND
CB 100A
CB 400A
CB 400A
CB 600A
CB 225A
CB 600A
DUAL PURPOSE DOCKING STATION, SEE SPECIFICATIONS SECTION 16037
TEMPORARY GENERATOR CAM LOKS
LOAD BANK CAM LOKS
PARALLEL FEEDER: 5 SETS OF 4-400 KCMIL & 1-4/0 GND IN 5 - 3" CND
ESTIMATED EXISTING CONDUCTOR AND RACEWAY SIZES ARE SHOWN. EXTEND EXISTING FEEDERS WITH MATCHING CONDUCTORS AND RACEWAYS. FIELD VERIFY. SPLICES IN IN-GROUND SPLICE BOXES SHALL BE MACHINE APPLIED IN-LINE COMPRESSION TYPE INSULATED WITH 600V HEAVY DUTY THICK WALL HEAT SHRINK TUBING WITH FACTORY APPLIED LINING OF INTERNAL MOISTURE SEALANT
ALL ENCLOSED CIRCUIT BREAKERS ARE 208/120V, 3P, 4W IN NEMA-3R ENCLOSURES AND RATED 25,000 AIC MINIMUM

1 - REVISED POWER RISER DIAGRAM

NOT TO SCALE

ELECTRICAL CLEARANCE NOTE

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

ALL ELECTRICAL EQUIPMENT INSTALLATIONS MUST COMPLY WITH REQUIRED CLEARANCE DETAILS 5 & 6 ON E0.8

SERVICE AND FEEDER CONDUCTORS SIZE NOTE

POWER RISER DIAGRAM SERVICE AND FEEDER CONDUCTOR SIZES ARE BASED ON 75°C COPPER CONDUCTORS IN PVC AND METALLIC RACEWAYS ROUTED AS DIRECTLY AS POSSIBLE 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.

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57 BEDROOM ADDITION /RENOVATION
RENOVATION POWER RISER DIAGRAM

E0.4

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.

Existing 208 Volt Service Estimated Load Summary

LOAD DESCRIPTION	QUANTITY	UNITS	UNITS	CONNECTED LOAD (VA)	DEMAND FACTOR	LOAD (VA)	REMARKS
EXISTING LOADS:							
12 MONTH DEMAND FROM UTILITY CO. RECORDS	1	EA	W	173,760	1.25	217,200	PER NEC 220.87
NEW ADDITION							
LIGHTING:							
PANEL GA	1	EA	VA	6,418	1.25	8,023	
PANEL ECG1	1	EA	VA	1,736	1.25	2,170	
(X) PANEL EM	1	EA	VA	1,415	1.25	1,769	
HVAC:							
PANEL EHG & EHG1	1	EA	VA	148,708	1	148,708	
RECEPTACLES (FROM PANELS GA, GB & ECG1):							
GENERAL USE RECEPTACLES (FIRST 10 KVA)	1	EA	VA	10,000	1	10,000	
GENERAL USE RECEPTACLES (REMAINING AT 50%)	1	EA	VA	81,830	0.5	40,915	
MISCELLANEOUS:	1	EA	VA	11,984	1	11,984	
	EST. CONNECTED LOAD (VA)			435,851			
	EST. DIVERSIFIED LOAD (VA)					440,768	
	TOTAL EST. CONNECTED LOAD (A)			1209.8			
	TOTAL EST. DEMAND LOAD (A)					1223.5	
ESTIMATED EXISTING SERVICE LOAD (AMPERES) AT 208V, 3 PHASE INCLUDING NEW ADDITION =						**1,223.5**	

CONCLUSION:

1. THE EXISTING 2500A SERVICE IS ADEQUATE FOR THE EXISTING AND NEW LOADS.

MINIMUM CONDUCTORS SIZE CHART

PROVIDE THE FOLLOWING MINIMUM SIZES FOR BRANCH CIRCUIT CONDUCTORS:

SINGLE PHASE CIRCUITS

CONDUCTOR SIZE (AWG)	BRANCH CIRCUIT BREAKER TRIP (AMPERES)	CIRCUIT VOLTAGE MAXIMUM ALLOWABLE CIRCUIT LENGTH (FEET)			
		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 (AWG)	BRANCH CIRCUIT BREAKER TRIP (AMPERES)	CIRCUIT VOLTAGE MAXIMUM ALLOWABLE CIRCUIT LENGTH (FEET)		
		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.

EXISTING SWITCHBOARD MDP SCHEDULE AND SECTION 3 MODIFICATIONS

CB ID	POLES/TRIP	LOAD	NOTES
SECTION	1 - INCOMING LINE		
SECTION	2 - MAIN CBs	1 - 6 (NO MODIFICATIONS)	
1	3/400	SPACE	
2	3/400	MTS	
3	3/400	PANEL EC	
4	3/400	PANEL BB (100 WING)	
5	3/600	PANEL AA (REHAB)	
6	3/1200	SECTION 3 MAIN	
SECTION	2 - DISTRIBUTION (MODIFICATIONS AS NOTED BELOW)		
7	3/60	STORAGE BLDG.	
8	3/100	PANEL EM	
9	3/225	PANEL DD (300 WING)	
10	3/225	AC (200 WING)	
11	3/200	NEW PANEL GA	NEW CB
12	3/225	NEW ATS-ECG (PANEL ECG)	NEW CB
13	3/100	PANEL W (LAUNDRY)	
14	3/225	PANEL F (HOUSEKEEPING 225)	
15	3/400	PANEL LS (KITCHEN)	
16	3/600	NEW MTS-EHG (PANEL EHG)	NEW CB

NOTES:

1. SWITCHBOARD IS CUTLER HAMMER POW-R-LINE TYPE, 2500A, 208/120V, 3 PHASE, 4 WIRE.

2. ALL NEW CIRCUIT BREAKERS MUST BE RATED TO MAINTAIN THE SWITCHBOARD RATINGS. PROVIDE EATON RETROFIT KIT(S), MOUNTING AND CONNECTION HARDWARE, FILLER COVERS AND ACCESSORIES AS REQUIRED FOR INSTALLATION OF NEW CIRCUIT BREAKERS AND REQUIRED MODIFICATIONS.

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NORTH CAROLINA PROFESSIONAL SEAL 8433 ENGINEER BRIAN M. HOWARD
8/25/2025

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08-26-2025

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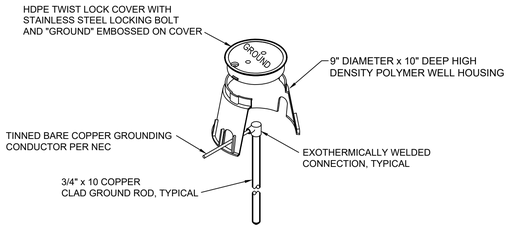
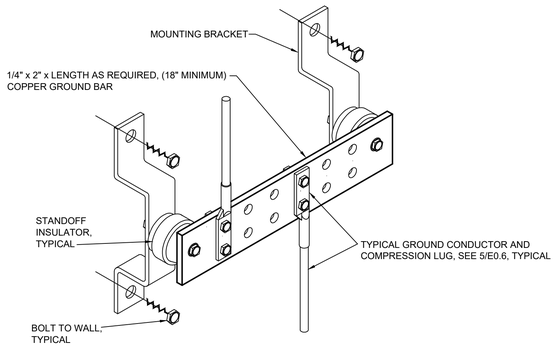
57 BEDROOM ADDITION /RENOVATION
ELECTRICAL SCHEDULES

E0.5



3 - GROUNDING INSPECTION WELL DETAIL

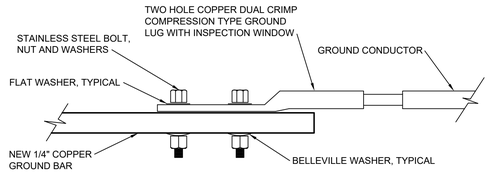
NOT TO SCALE



SEE SPECS SECTION 16027 FOR ADDITIONAL DETAILS

4 - TYPICAL GROUND BAR MOUNTING DETAIL

NOT TO SCALE



5 - TYPICAL GROUND BAR CONNECTION DETAIL

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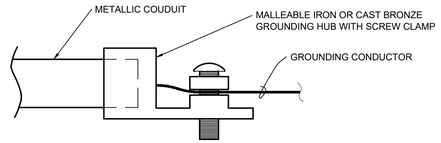
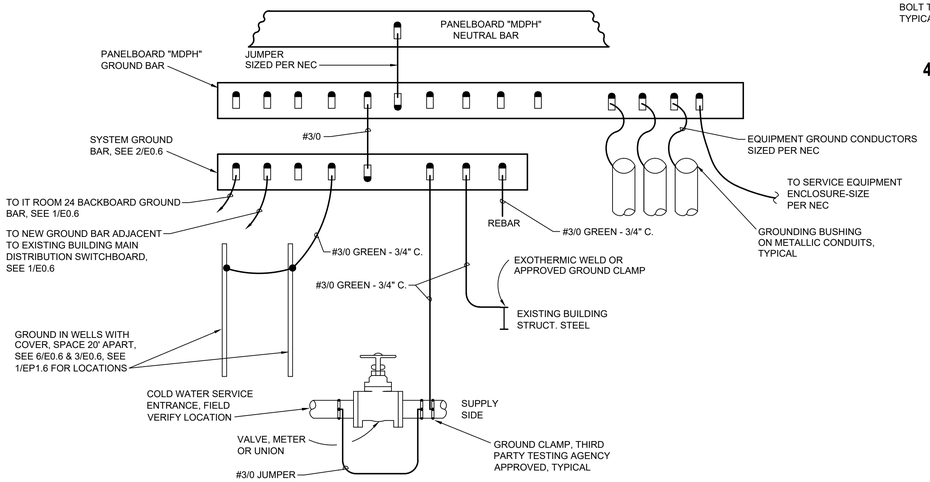


NOTE: INSTALL AT EACH END OF RACEWAY

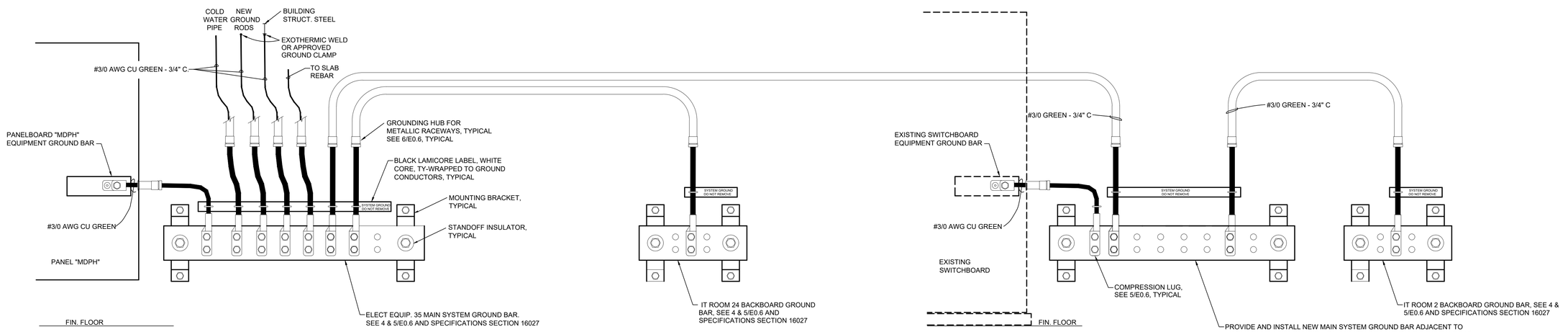
6 - CONDUIT HUB AND GROUNDING CONDUCTOR DETAIL

NOT TO SCALE



2 - NEW CONCIERGE WING SERVICE GROUNDING SYSTEM DETAIL

NOT TO SCALE



1 - SYSTEM GROUND DETAIL

NOT TO SCALE

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57 BEDROOM ADDITION /RENOVATION
ELECTRICAL DETAILS

E0.6

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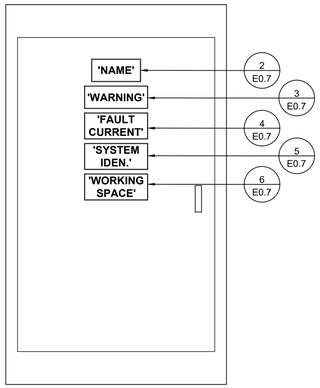
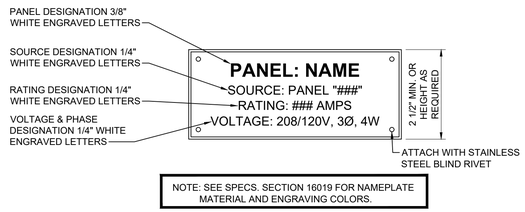
57 BEDROOM ADDITION /RENOVATION
ELECTRICAL DETAILS

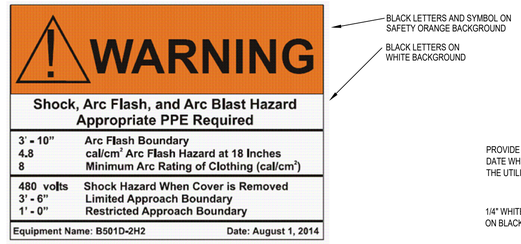
E0.7



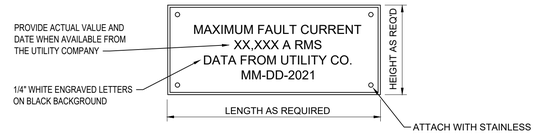
1 REQUIRED PANELBOAD NAMEPLATE & LABELS DETAIL
NOT TO SCALE



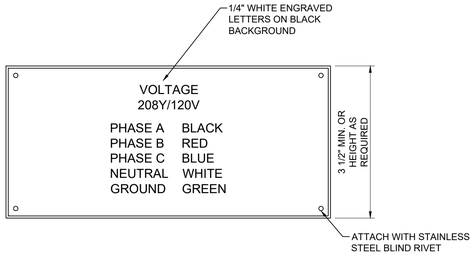
2 - TYPICAL PANELBOARD NAMEPLATE DETAIL
NOT TO SCALE



3 - SAMPLE ELECTRICAL EQUIPMENT WARNING LABEL DETAIL
NOT TO SCALE



4 - FAULT CURRENT NAMEPLATE DETAIL
NOT TO SCALE



5 - SYSTEM CONDUCTOR IDENTIFICATION NAMEPLATE DETAIL
NOT TO SCALE

SYSTEM COLOR CODING

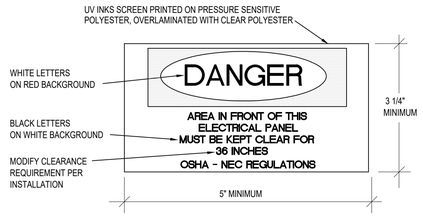
BLACK SURFACE WITH WHITE CORE FOR ALL NORMAL (UTILITY) POWER DISTRIBUTION EQUIPMENT

YELLOW SURFACE WITH BLACK CORE FOR ALL LIFE SAFETY BRANCH POWER DISTRIBUTION EQUIPMENT

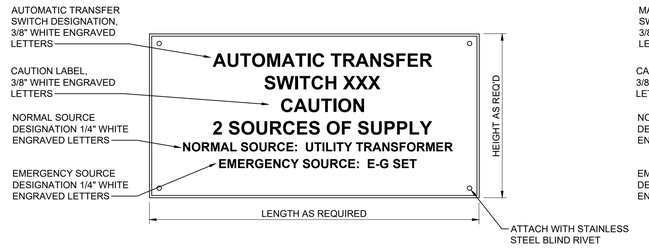
ORANGE SURFACE WITH BLACK CORE FOR ALL CRITICAL BRANCH POWER DISTRIBUTION EQUIPMENT

GREEN SURFACE WITH BLACK CORE FOR ALL DELAYED EQUIPMENT BRANCH POWER DISTRIBUTION EQUIPMENT

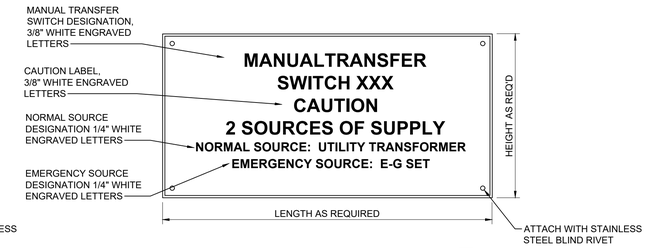
SEE SPECS SECTION 16019 FOR ADDITIONAL REQUIREMENTS



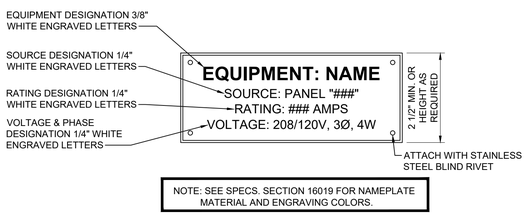
6 - NEC WORKING SPACE LABEL DETAIL
NOT TO SCALE



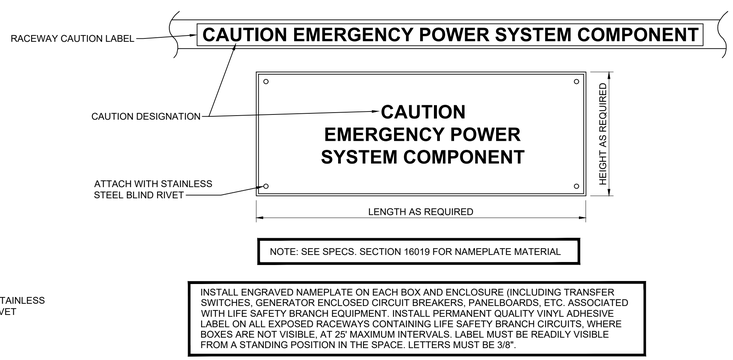
7 - AUTOMATIC TRANSFER SWITCH NAMEPLATE DETAIL
NOT TO SCALE



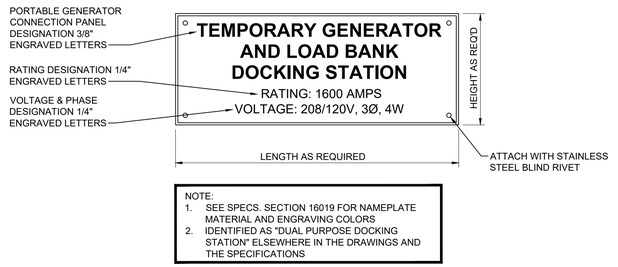
8 - MANUAL TRANSFER SWITCH NAMEPLATE DETAIL
NOT TO SCALE



9 - TYPICAL EQUIPMENT NAMEPLATE DETAIL
NOT TO SCALE



10 - EMERGENCY POWER SYSTEM COMPONENT AND RACEWAY NAMEPLATE AND LABEL DETAIL
NOT TO SCALE

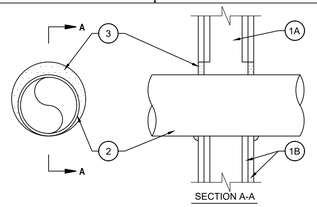


11 - TEMPORARY GENERATOR AND LOADBANK DOCKING STATION NAMEPLATE DETAIL
NOT TO SCALE

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



SECTION A-A

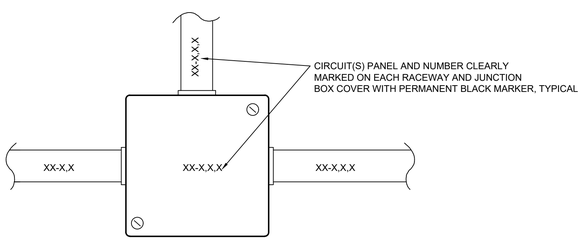
1. WALL ASSEMBLY — THE 1 OR 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
   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

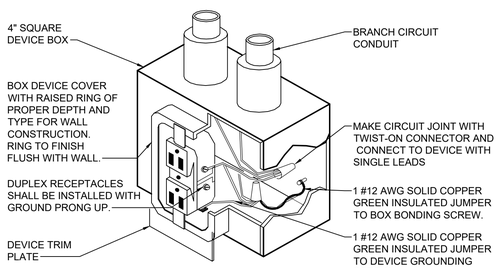
4 - 1 AND 2 HOUR FIREWALL PENETRATION DETAIL

NOT TO SCALE



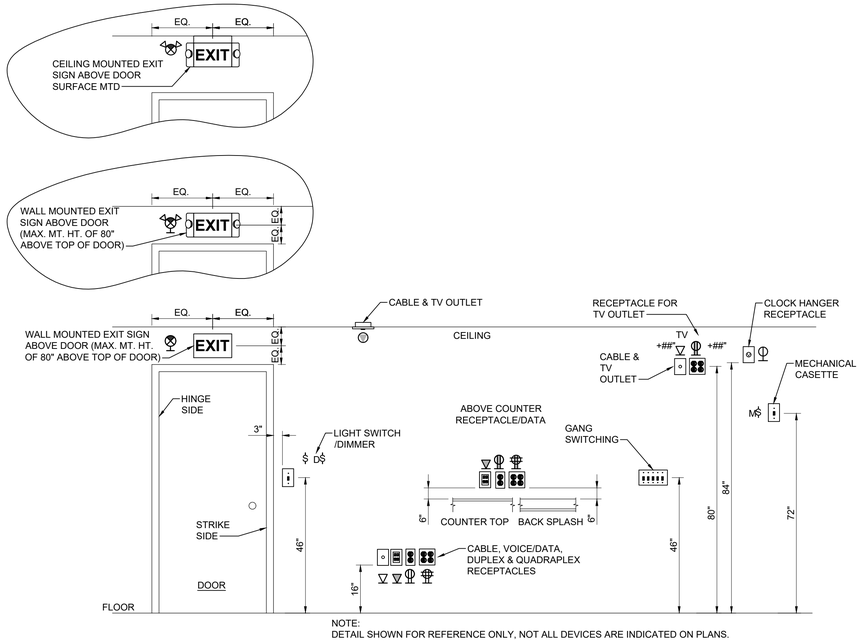
2 - CIRCUIT IDENTIFICATION DETAIL

NOT TO SCALE



3 - RECEPTACLE GROUNDING DETAIL

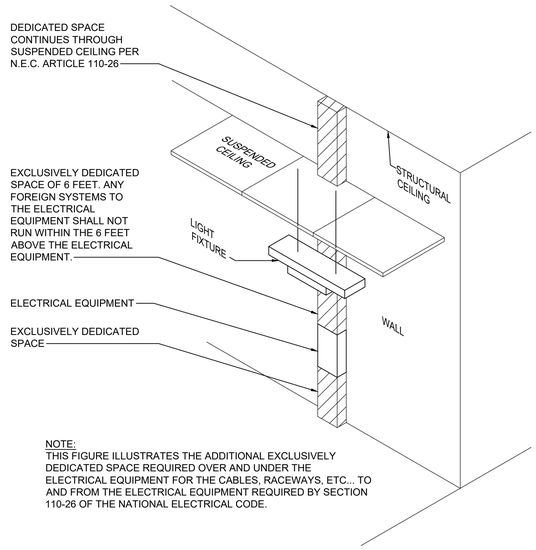
NOT TO SCALE



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

1 - ELECTRICAL DEVICES - MOUNTING HEIGHT 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.

5 - DEDICATED SPACE FOR ELECTRICAL

NOT TO SCALE

TABLE 110.26(A)(1) - WORKING SPACES

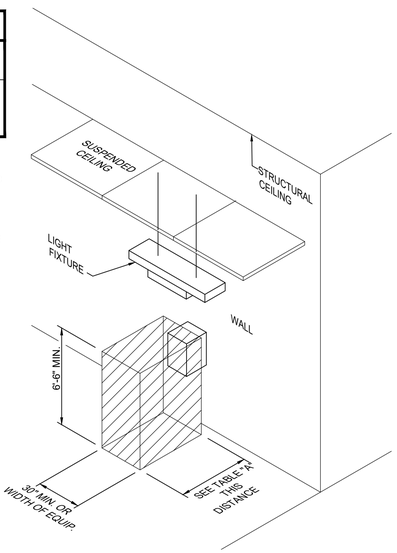
NOMINAL VOLTAGE TO GROUND	MINIMUM CLEAR DISTANCE (FEET)		
	CONDITION 1	CONDITION 2	CONDITION 3
0 - 150	900mm (3 ft)	900mm (3 ft)	900mm (3 ft)
151 - 600	900mm (3 ft)	1.0m (3 ft 6 in.)	1.2 m (4 ft.)
601 - 1000	900mm (3 ft)	1.2 m (4 ft.)	1.5 m (5 ft.)

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



6 - WORKING SPACE FOR ELECTRICAL

NOT TO SCALE

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433 REGISTERED BRANDON W. FREEMAN
8/25/2025

ISSUED FOR CONSTRUCTION
08-26-2025

PRUITT HEALTH
TOWN CENTER
Harrisburg, North Carolina

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

5T BEDROOM ADDITION /RENOVATION
ELECTRICAL DETAILS

E0.8

Panel GA

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 TRIP/POLES	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR TRIP/POLES	LOAD VA	LOAD SERVED
RECEPTACLES 429	720	20/1	1	1,800			2	20/1	1,080	PRIVATE ROOM 401 RECEPTACLES
RECEPTACLES 537,6A	900	20/1	3		1,980		4	20/1	1,080	PRIVATE ROOM 402 RECEPTACLES
RECEPTACLES 1,3,4,56	1,080	20/1	5			2,160	6	20/1	1,080	PRIVATE ROOM 403 RECEPTACLES
EXTERIOR RECEPTACLES	540	20/1	7	1,620			8	20/1	1,080	PRIVATE ROOM 404 RECEPTACLES
RECEPTACLES 8,9,10	540	20/1	9		1,620		10	20/1	1,080	PRIVATE ROOM 405 RECEPTACLES
RECEPTACLE 2 -VRF SYSTEM CONTROL	180	20/1	11			1,260	12	20/1	1,080	PRIVATE ROOM 406 RECEPTACLES
RECEPTACLE 2 - PATIENT TELEVISIONS	360	20/1	13	1,440			14	20/1	1,080	PRIVATE ROOM 407 RECEPTACLES
RECEPTACLE 2 - PATIENT TELEVISIONS	360	20/1	15		1,440		16	20/1	1,080	PRIVATE ROOM 408 RECEPTACLES
RECEPTACLES 2	720	20/1	17			1,800	18	20/1	1,080	PRIVATE ROOM 409 RECEPTACLES
ATTIC RECEPTACLES	720	20/1	19	1,800			20	20/1	1,080	PRIVATE ROOM 410 RECEPTACLES
LIGHTING CORRIDOR 233,429,537	1,526	20/1	21		2,606		22	20/1	1,080	PRIVATE ROOM 411 RECEPTACLES
LIGHTING 1,3,4,5,6,6A,8,9,10	662	20/1	23			1,742	24	20/1	1,080	PRIVATE ROOM 412 RECEPTACLES
LIGHTING PRIVATE ROOMS 401-408	987	20/1	25	2,067			26	20/1	1,080	PRIVATE ROOM 413 RECEPTACLES
LIGHTING PRIVATE ROOMS 409-414	987	20/1	27		2,067		28	20/1	1,080	PRIVATE ROOM 414 RECEPTACLES
LIGHTING PRIVATE ROOMS 501-510	1,128	20/1	29			1,628	30	20/1	500	PRIVATE ROOM 401 BATH RECEPTACLE
LIGHTING PRIVATE ROOMS 511-518	1,128	20/1	31	1,628			32	20/1	500	PRIVATE ROOM 402 BATH RECEPTACLE
SPARE		20/1	33		500		34	20/1	500	PRIVATE ROOM 403 BATH RECEPTACLE
SPARE		20/1	35			500	36	20/1	500	PRIVATE ROOM 404 BATH RECEPTACLE
SPARE		20/1	37	500			38	20/1	500	PRIVATE ROOM 405 BATH RECEPTACLE
SPARE		20/1	39		500		40	20/1	500	PRIVATE ROOM 406 BATH RECEPTACLE
SPARE		20/1	41			500	42	20/1	500	PRIVATE ROOM 407 BATH RECEPTACLE
SPARE		20/1	43	500			44	20/1	500	PRIVATE ROOM 408 BATH RECEPTACLE
SPARE		20/1	45		500		46	20/1	500	PRIVATE ROOM 409 BATH RECEPTACLE
SPARE		20/1	47			500	48	20/1	500	PRIVATE ROOM 410 BATH RECEPTACLE
SPARE		20/1	49	500			50	20/1	500	PRIVATE ROOM 411 BATH RECEPTACLE
SPARE		20/1	51		500		52	20/1	500	PRIVATE ROOM 412 BATH RECEPTACLE
SPARE		20/1	53			500	54	20/1	500	PRIVATE ROOM 413 BATH RECEPTACLE
PANEL "GB"	11,060	100/3	55	11,560			56	20/1	500	PRIVATE ROOM 414 BATH RECEPTACLE
|	11,060	|	57		11,060		58	20/1		SPARE
|	9,480	|	59			9,480	60	20/1		SPARE
NOTES (AS APPLICABLE):				23,415	22,773	20,070	TTL PHASE VA		200	A. BUS (COPPER, UNO)
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				195	190	167	TTL PHASE AMPS		200	A. MAIN LUGS AND/OR FEEDER RATING
				35%	34%	30%	PHASE BALANCE		18	KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) =	59,840		
RECEPTACLES FIRST 10 KVA	10,000	1.00	10,000
RECEPTACLES > 10 KVA	49,840	0.50	24,920
LIGHTING	6,418	1.25	8,023
MISCELLANEOUS EQUIPMENT		1.00	
OTHER EQUIPMENT (CONTINUOUS)		1.25	
LARGEST MOTOR		1.25	
HVAC EQUIPMENT (FLA = MCA X 0.8)		1.00	
KITCHEN EQUIPMENT		1.00	
TOTAL CONNECTED (VA)	66,258		
TOTAL DEMAND (VA)			42,943
TOTAL DEMAND (AMPERES)			119.2
PANEL DEMAND LOADING VS RATING	59.6%		

ADDITIONAL NOTES (AS APPLICABLE):
2. SEE EXISTING 208 VOLT SERVICE ESTIMATED LOAD SUMMARY ON SHEET E0.5 VERIFYING THE EXISTING SERVICE IS ADEQUATE FOR THE NEW ADDITION.
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.
4. GFCI CIRCUIT BREAKER.

Panel GB

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 TRIP/POLES	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR TRIP/POLES	LOAD VA	LOAD SERVED
PRIVATE ROOM 501 BATH RECEPTACLE	500	20/1	1	1,580			2	20/1	1,080	PRIVATE ROOM 501 RECEPTACLES
PRIVATE ROOM 502 BATH RECEPTACLE	500	20/1	3		1,580		4	20/1	1,080	PRIVATE ROOM 502 RECEPTACLES
PRIVATE ROOM 503 BATH RECEPTACLE	500	20/1	5			1,580	6	20/1	1,080	PRIVATE ROOM 503 RECEPTACLES
PRIVATE ROOM 504 BATH RECEPTACLE	500	20/1	7	1,580			8	20/1	1,080	PRIVATE ROOM 504 RECEPTACLES
PRIVATE ROOM 505 BATH RECEPTACLE	500	20/1	9		1,580		10	20/1	1,080	PRIVATE ROOM 505 RECEPTACLES
PRIVATE ROOM 506 BATH RECEPTACLE	500	20/1	11			1,580	12	20/1	1,080	PRIVATE ROOM 506 RECEPTACLES
PRIVATE ROOM 507 BATH RECEPTACLE	500	20/1	13	1,580			14	20/1	1,080	PRIVATE ROOM 507 RECEPTACLES
PRIVATE ROOM 508 BATH RECEPTACLE	500	20/1	15		1,580		16	20/1	1,080	PRIVATE ROOM 508 RECEPTACLES
PRIVATE ROOM 509 BATH RECEPTACLE	500	20/1	17			1,580	18	20/1	1,080	PRIVATE ROOM 509 RECEPTACLES
PRIVATE ROOM 510 BATH RECEPTACLE	500	20/1	19	1,580			20	20/1	1,080	PRIVATE ROOM 510 RECEPTACLES
PRIVATE ROOM 511 BATH RECEPTACLE	500	20/1	21		1,580		22	20/1	1,080	PRIVATE ROOM 511 RECEPTACLES
PRIVATE ROOM 512 BATH RECEPTACLE	500	20/1	23			1,580	24	20/1	1,080	PRIVATE ROOM 512 RECEPTACLES
PRIVATE ROOM 513 BATH RECEPTACLE	500	20/1	25	1,580			26	20/1	1,080	PRIVATE ROOM 513 RECEPTACLES
PRIVATE ROOM 514 BATH RECEPTACLE	500	20/1	27		1,580		28	20/1	1,080	PRIVATE ROOM 514 RECEPTACLES
PRIVATE ROOM 515 BATH RECEPTACLE	500	20/1	29			1,580	30	20/1	1,080	PRIVATE ROOM 515 RECEPTACLES
PRIVATE ROOM 516 BATH RECEPTACLE	500	20/1	31	1,580			32	20/1	1,080	PRIVATE ROOM 516 RECEPTACLES
PRIVATE ROOM 517 BATH RECEPTACLE	500	20/1	33		1,580		34	20/1	1,080	PRIVATE ROOM 517 RECEPTACLES
PRIVATE ROOM 518 BATH RECEPTACLE	500	20/1	35			1,580	36	20/1	1,080	PRIVATE ROOM 518 RECEPTACLES
PRIVATE ROOM 211 BATH RECEPTACLE	500	20/1	37	1,580			38	20/1	1,080	PRIVATE ROOM 211 RECEPTACLES
PRIVATE ROOM 205 BATH RECEPTACLE	500	20/1	39		1,580		40	20/1	1,080	PRIVATE ROOM 205 RECEPTACLES
		20/1	41				42	20/1		
NOTES (AS APPLICABLE):				11,060	11,060	9,480	TTL PHASE VA		100	A. BUS (COPPER, UNO)
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				92	92	79	TTL PHASE AMPS		100	A. MAIN LUGS AND/OR FEEDER RATING
				35%	35%	30%	PHASE BALANCE		18	KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) =	31,600		
RECEPTACLES FIRST 10 KVA	10,000	1.00	10,000
RECEPTACLES > 10 KVA	21,600	0.50	10,800
LIGHTING		1.25	
MISCELLANEOUS EQUIPMENT		1.00	
OTHER EQUIPMENT (CONTINUOUS)		1.25	
LARGEST MOTOR		1.25	
HVAC EQUIPMENT (FLA = MCA X 0.8)		1.00	
KITCHEN EQUIPMENT		1.00	
TOTAL CONNECTED (VA)	31,600		
TOTAL DEMAND (VA)			20,800
TOTAL DEMAND (AMPERES)			57.7
PANEL DEMAND LOADING VS RATING	57.7%		

ADDITIONAL NOTES (AS APPLICABLE):
2. SEE EXISTING 208 VOLT SERVICE ESTIMATED LOAD SUMMARY ON SHEET E0.5 VERIFYING THE EXISTING SERVICE IS ADEQUATE FOR THE NEW ADDITION.
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.
4. GFCI 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.

Panel ECG1

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 TRIP/POLES	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR TRIP/POLES	LOAD VA	LOAD SERVED
REFRIGERATOR 6	1,000	20/1	1	1,360			2	20/1	360	RECEPTACLE 2 - TELECOMM RACK
RECEPTACLE 6	180	20/1	3		540		4	20/1	360	RECEPTACLE 2 - TELECOMM RACK
RECEPTACLE 6	180	20/1	5			540	6	20/1	360	RECEPTACLE 2 - TELECOMM RACK
ICE MAKER 6	1,000	20/1	7	1,360			8	20/1	360	RECEPTACLE 2 - TELECOMM RACK
LIGHTING 2,6	104	20/1	9		464		10	20/1	360	RECEPTACLE 2
LIGHTING PRIVATE ROOMS 401-414	714	20/1	11			894	12	20/1	180	RECEPTACLE 2 - PA SYSTEM
LIGHTING PRIVATE ROOMS 501-518	918	20/1	13	1,278			14	20/1	360	RECEPTACLE 2
SPARE		20/1	15				16	20/1		SPARE
SPARE		20/1	17				18	20/1		SPARE
SPARE		20/1	19				20	20/1		SPARE
SPARE		20/1	21				22	20/1		SPARE
SPARE		20/1	23				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
NOTES (AS APPLICABLE):				3,998	1,004	1,434	TTL PHASE VA		100	A. BUS (COPPER, UNO)
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				33	8	12	TTL PHASE AMPS		100	A. MAIN LUGS AND/OR FEEDER RATING
2. NOT USED.				62%	16%	22%	PHASE BALANCE		10	KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) =	2,700		
RECEPTACLES FIRST 10 KVA	2,700	1.00	2,700
RECEPTACLES > 10 KVA		0.50	
LIGHTING	1,736	1.25	2,170
MISCELLANEOUS EQUIPMENT		1.00	
OTHER EQUIPMENT (CONTINUOUS)	2,000	1.25	2,500
LARGEST MOTOR		1.25	
HVAC EQUIPMENT (FLA = MCA X 0.8)		1.00	
KITCHEN EQUIPMENT		1.00	
TOTAL CONNECTED (VA)	6,436		
TOTAL DEMAND (VA)			7,370
TOTAL DEMAND (AMPERES)			20.5
PANEL DEMAND LOADING VS RATING	20.5%		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.
4. GFCI CIRCUIT BREAKER.
5. SEE EXISTING 208 VOLT SERVICE ESTIMATED LOAD SUMMARY ON SHEET E0.5 VERIFYING THE EXISTING SERVICE IS ADEQUATE FOR THE NEW ADDITION.

Panel EHG1

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 TRIP/POLES	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR TRIP/POLES	LOAD VA	LOAD SERVED
HP11	1,414	25/2	1	3,661			2	40/2	2,246	AH11
|	1,414	|	3		3,661		4	|	2,246	|
HP13	2,246	35/3	5			5,513	6	35/3	3,267	AH13
|	2,246	|	7	5,513			8	|	3,267	|
|	2,246	|	9		5,513		10	|	3,267	|
HP14	3,267	30/3	11			6,341	12	30/3	3,074	AH14
|	3,267	|	13	6,341			14	|	3,074	|
|	3,267	|	15		6,341		16	|	3,074	|
HP15	3,074	30/3	17			5,957	18	30/3	2,882	AH15
|	3,074	|	19	5,957			20	|	2,882	|
|	3,074	|	21		5,957		22	|	2,882	|
ER1	1,171	15/1	23			1,171	24	20/1		SPARE
ER2	1,171	15/1	25	1,171			26	20/1		SPARE
ER3	1,171	15/1	27		1,171		28	20/1		SPARE
ER4	1,171	15/1	29			1,171	30	20/1		SPARE
ER5	1,171	15/1	31	1,171			32	20/1		SPARE
ER6	1,171	15/1	33		1,171		34	20/1		SPARE
SPARE		20/1	35				36	20/1		SPARE
SPARE		20/1	37				38	20/1		SPARE
SPARE		20/1	39				40	20/1		SPARE
SPARE		20/1	41				42	20/1		SPARE
NOTES (AS APPLICABLE):				23,813	23,813	20,153	TTL PHASE VA		400	A. BUS (COPPER, UNO)
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				198	198	168	TTL PHASE AMPS		250	A. MAIN LUGS AND/OR FEEDER RATING
2. NOT USED.				35%	35%	30%	PHASE BALANCE		10	KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) =			
RECEPTACLES FIRST 10 KVA		1.00	
RECEPTACLES > 10 KVA		0.50	
LIGHTING		1.25	
MISCELLANEOUS EQUIPMENT		1.00	
OTHER EQUIPMENT (CONTINUOUS)		1.25	
LARGEST MOTOR		1.25	
HVAC EQUIPMENT (FLA = MCA X 0.8)	67,779	1.00	67,779
KITCHEN EQUIPMENT		1.00	
TOTAL CONNECTED (VA)	67,779		
TOTAL DEMAND (VA)			67,779
TOTAL DEMAND (AMPERES)			188.1
PANEL DEMAND LOADING VS RATING	75.3%		

ADDITIONAL NOTES (AS APPLICABLE):
3. GFCI CIRCUIT BREAKER.
4. SEE EXISTING 208 VOLT SERVICE ESTIMATED LOAD SUMMARY ON SHEET E0.5 VERIFYING THE EXISTING SERVICE IS ADEQUATE FOR THE NEW ADDITION.

Exist Panel EM

TYPE: CUTLER HAMMER PRL1A	208	120	VOLTS	3	PHASE	4	WIRE			
	MOUNT:	SURFACE								
	FEED:									
	NEMA -	1	ENCLOSURE							

LOAD SERVED	LOAD VA	CKT BKR TRIP/POLES	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR TRIP/POLES	LOAD VA	LOAD SERVED
EXISTING LIGHTING	*1,000*	*20/1*	1	1,250			2	*20/1*	*250*	*EXISTING FACP*
EXISTING LIGHTING	*1,000*	*20/1*	3		1,250		4	*20/1*	*250*	*EXISTING FACP POWER SUPPLY*
EXISTING LIGHTING	*1,080*	*20/1*	5			1,180	6	*20/1*	*100*	*EXISTING LIGHT AT GENERATOR*
EXISTING LIGHTING	*1,080*	*20/1*	7	1,330			8	*20/1*	*250*	*EXISTING FACP POWER SUPPLY*
EXISTING LIGHTING	*1,080*	*20/1*	9		1,260		10	*20/1*	*180*	*EXISTING GENERATOR RECEPT*
EXISTING LIGHTING	*1,080*	*20/1*	11			1,580	12	*20/1*	*500*	*EXISTING KIOSK 9, 10, 11*
EXISTING LIGHTING	*1,080*	*20/1*	13	1,330			14	*20/1*	*250*	*EXISTING TELEPHONE BOARD*
EXISTING LIGHTING	*1,080*	*20/1*	15		1,080		16	*20/1*		*EXISTING SPARE KITCHEN CIRCUIT*
EXISTING LIGHTING	*960*	*20/1*	17			1,460	18	*20/1*	*500*	*EXISTING KIOSK 1, 2*
EXISTING LIGHTING	*960*	*20/1*	19	1,460			20	*20/1*	*500*	*EXISTING KIOSK 6, 7, 8*
EXISTING LIGHTING	*960*	*20/1*	21		1,460		22	*20/1*	*500*	*EXISTING KIOSK 3, 4, 5*
EXISTING LIGHTING	*960*	*20/1*	23			1,695	24	**20/1**	**735**	**LIGHTING CORRIDOR 223,429,537 (NOTE 2)**
EXISTING LIGHTING	*1,000*	*20/1*	25	1,680			26	**20/1**	**680**	**LIGHTING CORRIDOR 223,429,537 (NOTE 2)**
EXISTING LIGHTING	*1,000*	*20/1*	27		1,000		28			*SPACE*
EXISTING LIGHTING	*1,000*	*20/1*	29			1,000	30			*SPACE*
SPACE			31				32			*SPACE*
SPACE			33				34			*SPACE*
SPACE			35				36			*SPACE*
SPACE			37				38	**30/3**		**SPD (NOTE 2)**
SPACE			39		#VALUE!		40	|	|	|
SPACE			41				42	|	|	|
NOTES (AS APPLICABLE):				7,050	#VALUE!	6,915	TTL PHASE VA		100	A. BUS (COPPER, UNO)
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				59	#VALUE!	58	TTL PHASE AMPS		100	A. MAIN LUGS AND/OR FEEDER RATING
2. PROVIDE AND INSTALL NEW CIRCUIT BREAKER				#VALUE!	#VALUE!	#VALUE!	PHASE BALANCE		10	KAIC MINIMUM RATING

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) =			
RECEPTACLES FIRST 10 KVA		1.00	
RECEPTACLES > 10 KVA		0.50	
LIGHTING	16,835	1.25	21,044
MISCELLANEOUS EQUIPMENT	3,180	1.00	3,180
OTHER EQUIPMENT (CONTINUOUS)		1.25	
LARGEST MOTOR		1.25	
HVAC EQUIPMENT (FLA = MCA X 0.8)		1.00	
KITCHEN EQUIPMENT		1.00	
TOTAL CONNECTED (VA)	20,015		
TOTAL DEMAND (VA)			24,224
TOTAL DEMAND (AMPERES)			67.2
PANEL DEMAND LOADING VS RATING	67.2%		

ADDITIONAL NOTES (AS APPLICABLE):
3. NEW CIRCUIT BREAKERS SHALL MATCH EXISTING AND BE RATED TO MAINTAIN THE EXISTING PANELBOARD RATINGS.
4. EXISTING LOADS ARE FROM RECORD DRAWINGS. SOME LOADS ARE ESTIMATED.

Panel ECG

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 TRIP/POLES	CKT #	PHASE LOAD VA A	B	C	CKT #	CKT BKR TRIP/POLES	LOAD VA	LOAD SERVED
PRIVATE ROOM 501 RECEPTACLES	360	20/1	1	720			2	20/1	360	PRIVATE ROOM 401 RECEPTACLES
PRIVATE ROOM 502 RECEPTACLES	360	20/1	3		720		4	20/1	360	PRIVATE ROOM 402 RECEPTACLES
PRIVATE ROOM 503 RECEPTACLES	360	20/1	5			720	6	20/1	360	PRIVATE ROOM 403 RECEPTACLES
PRIVATE ROOM 504 RECEPTACLES	360	20/1	7	720			8	20/1	360	PRIVATE ROOM 404 RECEPTACLES
PRIVATE ROOM 505 RECEPTACLES	360	20/1	9		720		10	20/1	360	PRIVATE ROOM 405 RECEPTACLES
PRIVATE ROOM 506 RECEPTACLES	360	20/1	11			720	12	20/1	360	PRIVATE ROOM 406 RECEPTACLES
PRIVATE ROOM 507 RECEPTACLES	360	20/1	13	720			14	20/1	360	PRIVATE ROOM 407 RECEPTACLES
PRIVATE ROOM 508 RECEPTACLES	360	20/1	15		720		16	20/1	360	PRIVATE ROOM 408 RECEPTACLES
PRIVATE ROOM 509 RECEPTACLES	360	20/1	17			720	18	20/1	360	PRIVATE ROOM 409 RECEPTACLES
PRIVATE ROOM 510 RECEPTACLES	360	20/1	19	720			20	20/1	360	PRIVATE ROOM 410 RECEPTACLES
PRIVATE ROOM 511 RECEPTACLES	360	20/1	21		720		22	20/1	360	PRIVATE ROOM 411 RECEPTACLES
PRIVATE ROOM 512 RECEPTACLES	360	20/1	23			720	24	20/1	360	PRIVATE ROOM 412 RECEPTACLES
PRIVATE ROOM 513 RECEPTACLES	360	20/1	25	720			26	20/1	360	PRIVATE ROOM 413 RECEPTACLES
PRIVATE ROOM 514 RECEPTACLES	360	20/1	27		720		28	20/1	360	PRIVATE ROOM 414 RECEPTACLES
PRIVATE ROOM 515 RECEPTACLES	360	20/1	29			860	30	20/1	500	PRIVATE ROOM 401 BED RECEPTACLE
PRIVATE ROOM 516 RECEPTACLES	360	20/1	31	860			32	20/1	500	PRIVATE ROOM 402 BED RECEPTACLE
PRIVATE ROOM 517 RECEPTACLES	360	20/1	33		860		34	20/1	500	PRIVATE ROOM 403 BED RECEPTACLE
PRIVATE ROOM 518 RECEPTACLES	360	20/1	35			860	36	20/1	500	PRIVATE ROOM 404 BED RECEPTACLE
PRIVATE ROOM 501 BED RECEPTACLE	500	20/1	37	1,000			38	20/1	500	PRIVATE ROOM 405 BED RECEPTACLE
PRIVATE ROOM 502 BED RECEPTACLE	500	20/1	39		1,000		40	20/1	500	PRIVATE ROOM 406 BED RECEPTACLE
PRIVATE ROOM 503 BED RECEPTACLE	500	20/1	41			1,000	42	20/1	500	PRIVATE ROOM 407 BED RECEPTACLE
PRIVATE ROOM 504 BED RECEPTACLE	500	20/1	43	1,000			44	20/1	500	PRIVATE ROOM 408 BED RECEPTACLE
PRIVATE ROOM 505 BEDRECEPTACLE	500	20/1	45		1,000		46	20/1	500	PRIVATE ROOM 409 BED RECEPTACLE
PRIVATE ROOM 506 BED RECEPTACLE	500	20/1	47			1,000	48	20/1	500	PRIVATE ROOM 410 BED RECEPTACLE
PRIVATE ROOM 507 BED RECEPTACLE	500	20/1	49	1,000			50	20/1	500	PRIVATE ROOM 411 BED RECEPTACLE
PRIVATE ROOM 508 BED RECEPTACLE	500	20/1	51		1,000		52	20/1	500	PRIVATE ROOM 412 BED RECEPTACLE
PRIVATE ROOM 509 BED RECEPTACLE	500	20/1	53			1,000	54	20/1	500	PRIVATE ROOM 413 BED RECEPTACLE
PRIVATE ROOM 510 BED RECEPTACLE	500	20/1	55	1,000			56	20/1	500	PRIVATE ROOM 414 BED RECEPTACLE
PRIVATE ROOM 511 BED RECEPTACLE	500	20/1	57		860		58	20/1	360	PRIVATE ROOM 211 RECEPTACLE
PRIVATE ROOM 512 BED RECEPTACLE	500	20/1	59			1,000	60	20/1	500	PRIVATE ROOM 211 BED RECEPTACLE
PRIVATE ROOM 513 BED RECEPTACLE	500	20/1	61	860			62	20/1	360	PRIVATE ROOM 205 RECEPTACLES
PRIVATE ROOM 514 BED RECEPTACLE	500	20/1	63

Panel HA

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	TRIP/POLES	#	A	B	C		#	TRIP/POLES	VA	LOAD SERVED					
RECEPTACLES 21	900	20/1	1	1,440				2	20/1	540	PRIVATE ROOM 601 RECEPTACLES					
RECEPTACLES 20	720	20/1	3		1,260			4	20/1	540	PRIVATE ROOM 602 RECEPTACLES					
RECEPTACLES 20	900	20/1	5			1,440		6	20/1	540	PRIVATE ROOM 603 RECEPTACLES					
RECEPTACLES 19C	540	20/1	7	1,080				8	20/1	540	PRIVATE ROOM 604 RECEPTACLES					
RECEPTACLES 19	720	20/1	9		1,260			10	20/1	540	PRIVATE ROOM 605 RECEPTACLES					
RECEPTACLES, TELEVISIONS 19	900	20/1	11			1,440		12	20/1	540	PRIVATE ROOM 606 RECEPTACLES					
RECEPTACLES 19	720	20/1	13	1,260				14	20/1	540	PRIVATE ROOM 607 RECEPTACLES					
FLOORBOX 19	180	20/1	15		720			16	20/1	540	PRIVATE ROOM 608 RECEPTACLES					
FLOORBOX 19	180	20/1	17			720		18	20/1	540	PRIVATE ROOM 609 RECEPTACLES					
FLOORBOX 19	180	20/1	19	720				20	20/1	540	PRIVATE ROOM 610 RECEPTACLES					
FLOORBOX 19	180	20/1	21		720			22	20/1	540	PRIVATE ROOM 611 RECEPTACLES					
FLOORBOX 19	180	20/1	23			720		24	20/1	540	PRIVATE ROOM 612 RECEPTACLES					
FLOORBOX 19	180	20/1	25	540				26	20/1	360	PRIVATE ROOM 601 REFRIG					
RECEPTACLES, TELEVISIONS 19	900	20/1	27		1,260			28	20/1	360	PRIVATE ROOM 602 REFRIG					
RECEPTACLES 16,17	1,440	20/1	29			1,800		30	20/1	360	PRIVATE ROOM 604 REFRIG					
RECEPTACLES 12	720	20/1	31	1,260				32	20/1	360	PRIVATE ROOM 603 REFRIG					
RECEPTACLES 19A	540	20/1	33		900			34	20/1	360	PRIVATE ROOM 605 REFRIG					
RECEPTACLES 19A	540	20/1	35			900		36	20/1	360	PRIVATE ROOM 606 REFRIG					
DISHWASHER 19A	1,000	20/1	37	1,360				38	20/1	360	PRIVATE ROOM 607 REFRIG					
RECEPTACLES 23	900	20/1	39		1,260			40	20/1	360	PRIVATE ROOM 608 REFRIG					
RANGE HOOD 19A	200	20/1	41			560		42	20/1	360	PRIVATE ROOM 609 REFRIG					
RANGE HOOD SUPPRESSION SYSTEM 19A	200	20/1	43	740				44	20/1	360	PRIVATE ROOM 610 REFRIG					
RECEPTACLES 36,37,625	1,080	20/1	45		1,440			46	20/1	360	PRIVATE ROOM 611 REFRIG					
RECEPTALE 38	360	20/1	47			720		48	20/1	360	PRIVATE ROOM 612 REFRIG					
RECEPTACLES 725	900	20/1	49	1,400				50	20/1	500	PRIVATE ROOM 601 BATH RECEPTACLE					
EXTERIOR RECEPTACLES	1,080	20/1	51		1,580			52	20/1	500	PRIVATE ROOM 602 BATH RECEPTACLE					
RECEPTCLES 33,34,35	540	20/1	53			1,040		54	20/1	500	PRIVATE ROOM 603 BATH RECEPTACLE					
EXTERIOR RECEPTACLES	540	20/1	55	1,040				56	20/1	500	PRIVATE ROOM 604 BATH RECEPTACLE					
RECEPTACLES 31,32	360	20/1	57		860			58	20/1	500	PRIVATE ROOM 605 BATH RECEPTACLE					
RECEPTACLES 28,29,30	720	20/1	59			1,220		60	20/1	500	PRIVATE ROOM 606 BATH RECEPTACLE					
RECEPTACLE 27, SCALE 625	900	20/1	61	1,400				62	20/1	500	PRIVATE ROOM 607 BATH RECEPTACLE					
COURTYARD RECEPTACLES	540	20/1	63		1,040			64	20/1	500	PRIVATE ROOM 608 BATH RECEPTACLE					
RECEPTACLES ATTIC	1,080	20/1	65			1,580		66	20/1	500	PRIVATE ROOM 609 BATH RECEPTACLE					
SPARE		20/1	67	500				68	20/1	500	PRIVATE ROOM 610 BATH RECEPTACLE					
SPARE		20/1	69		500			70	20/1	500	PRIVATE ROOM 611 BATH RECEPTACLE					
SPARE		20/1	71			500		72	20/1	500	PRIVATE ROOM 612 BATH RECEPTACLE					
SPARE		20/1	73					74	20/1		SPARE					
SPARE		20/1	75					76	20/1		SPARE					
SPARE		20/1	77					78	20/1		SPARE					
SPARE		20/1	79					80	20/1		SPARE					
RANGE 19A	2,750	50/2	81		2,750			82	20/1		SPARE					
|	2,750	|	83			2,750		84	20/1		SPARE					
NOTES (AS APPLICABLE):				12,740	15,550	15,390	TTL PHASE VA				200 A. BUS (COPPER, UNO)					
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				106	130	128	TTL PHASE AMPS				200 A. MAIN LUGS AND/OR FEEDER RATING					
2. NOT USED.				29%	36%	35%	PHASE BALANCE				18 KAIC MINIMUM RATING					

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 32,100			
RECEPTACLES FIRST 10 KVA	10,000	1.00	10,000
RECEPTACLES > 10 KVA	22,100	0.50	11,050
LIGHTING		1.25	
MISCELLANEOUS EQUIPMENT	4,320	1.00	4,320
OTHER EQUIPMENT (CONTINUOUS)	6,900	1.25	8,625
LARGEST MOTOR		1.25	
HVAC EQUIPMENT (FLA = MCA X 0.8)		1.00	
KITCHEN EQUIPMENT		1.00	
TOTAL CONNECTED (VA)	43,320		
TOTAL DEMAND (VA)			33,995
TOTAL DEMAND (AMPERES)			94.4
PANEL DEMAND LOADING VS RATING	47.2%		

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

Panel HB

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	TRIP/POLES	#	A	B	C		#	TRIP/POLES	VA	LOAD SERVED					
FOLDING CABINET (9) 22	1,200	20/1	1	2,280				2	20/1	1,080	PRIVATE ROOM 701 RECEPTACLES					
PANINI PRESS (1) 22	1,800	20/1	3		2,880			4	20/1	1,080	PRIVATE ROOM 702 RECEPTACLES					
RECEPTACLE 22	180	20/1	5			1,260		6	20/1	1,080	PRIVATE ROOM 703 RECEPTACLES					
RECEPTACLES 22	360	20/1	7	1,440				8	20/1	1,080	PRIVATE ROOM 704 RECEPTACLES					
RECEPTACLES 23	900	20/1	9		1,980			10	20/1	1,080	PRIVATE ROOM 705 RECEPTACLES					
RECEPTACLE 18	1,800	20/1	11			2,880		12	20/1	1,080	PRIVATE ROOM 706 RECEPTACLES					
RECEPTACLE 18	1,800	20/1	13	2,880				14	20/1	1,080	PRIVATE ROOM 707 RECEPTACLES					
RECEPTACLE 18	1,800	20/1	15		2,880			16	20/1	1,080	PRIVATE ROOM 708 RECEPTACLES					
PEDECURE STATION 18	1,800	20/1	17			2,880		18	20/1	1,080	PRIVATE ROOM 709 RECEPTACLES					
RECEPTACLES 18	360	20/1	19	1,440				20	20/1	1,080	PRIVATE ROOM 710 RECEPTACLES					
DRYER CHAIR 18	1,800	20/1	21		2,880			22	20/1	1,080	PRIVATE ROOM 711 RECEPTACLES					
DRYER CHAIR 18	1,800	20/1	23			2,880		24	20/1	1,080	PRIVATE ROOM 712 RECEPTACLES					
RECEPTACLES 24	720	20/1	25	1,080				26	20/1	360	PRIVATE ROOM 701 REFRIG					
RECEPTACLE 24 - PATIENT TELEVISIONS	360	20/1	27		720			28	20/1	360	PRIVATE ROOM 702 REFRIG					
RECEPTACLE 24 - PATIENT TELEVISIONS	360	20/1	29			720		30	20/1	360	PRIVATE ROOM 703 REFRIG					
LIGHTING 19,19A	1,016	20/1	31	1,376				32	20/1	360	PRIVATE ROOM 704 REFRIG					
LIGHTING 13,4,20,21,22,23,26,28,29,30,33,34,35	1,163	20/1	33		1,523			34	20/1	360	PRIVATE ROOM 705 REFRIG					
LIGHTING 36,37,38,725	1,125	20/1	35			1,485		36	20/1	360	PRIVATE ROOM 706 REFRIG					
LIGHTING 601-606	1,320	20/1	37	1,680				38	20/1	360	PRIVATE ROOM 707 REFRIG					
LIGHTING 607-612	1,320	20/1	39		1,680			40	20/1	360	PRIVATE ROOM 708 REFRIG					
LIGHTING 701-706	1,320	20/1	41			1,680		42	20/1	360	PRIVATE ROOM 709 REFRIG					
LIGHTING 707-712	1,320	20/1	43	1,680				44	20/1	360	PRIVATE ROOM 710 REFRIG					
RECEPTACLE 24	180	20/1	45		540			46	20/1	360	PRIVATE ROOM 711 REFRIG					
RECEPTACLE 24	180	20/1	47			540		48	20/1	360	PRIVATE ROOM 712 REFRIG					
RECEPTACLE 24	720	20/1	49	1,220				50	20/1	500	PRIVATE ROOM 701 BATH RECEPTACLE					
SPARE		20/1	51		500			52	20/1	500	PRIVATE ROOM 702 BATH RECEPTACLE					
SPARE		20/1	53			500		54	20/1	500	PRIVATE ROOM 703 BATH RECEPTACLE					
SPARE		20/1	55	500				56	20/1	500	PRIVATE ROOM 704 BATH RECEPTACLE					
SPARE		20/1	57		500			58	20/1	500	PRIVATE ROOM 705 BATH RECEPTACLE					
SPARE		20/1	59			500		60	20/1	500	PRIVATE ROOM 706 BATH RECEPTACLE					
SPARE		20/1	61	500				62	20/1	500	PRIVATE ROOM 707 BATH RECEPTACLE					
SPARE		20/1	63		500			64	20/1	500	PRIVATE ROOM 708 BATH RECEPTACLE					
SPARE		20/1	65			500		66	20/1	500	PRIVATE ROOM 709 BATH RECEPTACLE					
SPARE		20/1	67	500				68	20/1	500	PRIVATE ROOM 710 BATH RECEPTACLE					
SPARE		20/1	69		500			70	20/1	500	PRIVATE ROOM 711 BATH RECEPTACLE					
SPARE		20/1	71			500		72	20/1	500	PRIVATE ROOM 712 BATH RECEPTACLE					
SPARE		20/1	73	500				74	20/1		SPARE					
SPARE		20/1	75					76	20/1		SPARE					
CONVECTION TOASTER (2) 22	1,248	20/2	77			1,248		78	20/1		SPARE					
|	1,248	|	79	1,248				80	20/1		SPARE					
HOT FOOD TABLE (3) 22	2,125	30/2	81		2,125			82	20/1		SPARE					
|	2,125	|	83			2,125		84	20/1		SPARE					
				18,324	19,208	19,698	TTL PHASE VA				200 A. BUS (COPPER, UNO)					
NOTES (AS APPLICABLE):				153	160	164	TTL PHASE AMPS				200 A. MAIN LUGS AND/OR FEEDER RATING					
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				32%	34%	34%	PHASE BALANCE				18 KAIC MINIMUM RATING					
2. NOT USED.																

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 35,300			
RECEPTACLES FIRST 10 KVA	10,000	1.00	10,000
RECEPTACLES > 10 KVA	25,300	0.50	12,650
LIGHTING	8,584	1.25	10,730
MISCELLANEOUS EQUIPMENT	10,346	1.00	10,346
OTHER EQUIPMENT (CONTINUOUS)	3,000	1.25	3,750
LARGEST MOTOR		1.25	
HVAC EQUIPMENT (FLA = MCA X 0.8)		1.00	
KITCHEN EQUIPMENT		1.00	
TOTAL CONNECTED (VA)	57,230		
TOTAL DEMAND (VA)			47,476
TOTAL DEMAND (AMPERES)			131.8
PANEL DEMAND LOADING VS RATING	65.9%		

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

Panel EHH

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	TRIP/POLES	#	A	B	C		#	TRIP/POLES	VA	LOAD SERVED					
HP01A	5,380	90/3	1	5,880				2	20/1	500	HOT/COLD FOOD WELL (7) 63					
|	5,380	|	3		5,880		4	20/1	500	HOT/COLD FOOD WELL (7) 63					
|	5,380	|	5			6,340	6	20/1	960	REFRIGERATOR/FREEZER (5) 63					
HP02A	5,380	90/3	7	6,940				8	20/1	1,560	ICE MACHINE (8) 63					
|	5,380	|	9		5,560			10	20/1	180	RECEPTACLE 63					
|	5,380	|	11			6,340	12	20/1	960	COUNTER HEIGHT REFRIGERATOR					
HP03A	4,227	70/3	13	5,398				14	15/1	1,171	ER01A					
|	4,227	|	15		5,398			16	15/1	1,171	ER02A					
|	4,227	|	17			5,398	18	15/1	1,171	ER03A						
HP04A	4,227	70/3	19	5,398				20	15/1	1,171	ER04A					
|	4,227	|	21		5,398			22	15/1	1,171	ER05A					
|	4,227	|	23			5,398	24	15/1	1,171	ER06A						
AH01A-01 THRU AH01A-12	300	15/2	25	1,471				26	15/1	1,171	ER07A					
|	300	|	27		1,471			28	15/1	1,171	ER08A					
AH01A-13, AH01A-14	682	15/2	29			1,853		30	15/1	1,171	ER09A					
|	682	|	31	1,853				32	15/1	1,171	ER10A					
AH02A-01 THRU AH02A-12	300	15/2	33		300			34	20/1		SPARE					
|	300	|	35			300		36	20/1		SPARE					
AH02A-13, AH02A-14, AH02A-15	1,023	15/2	37	1,023				38	20/1		SPARE					
|	1,023	|	39		1,023			40	20/1		SPARE					
AH03A-01, AH03A-02	688	15/2	41			688		42	20/1		SPARE					
|	682	|	43	682				44	20/1		SPARE					
AH03A-03, AH03A-04	591	15/2	45		591			46	20/1		SPARE					
|	591	|	47			591		48	20/1		SPARE					
AH04A-01, AH04A-02	716	15/2	49	716				50	20/1		SPARE					
|	716	|	51		716			52	20/1		SPARE					
AH04A-03, AH04A-04	358	15/1	53			358		54	20/1		SPARE					
|	358	|	55	358				56	20/1		SPARE					
SPARE		15/1	57					58	20/1		SPARE					
|		|	59				60	20/1		SPARE					
NOTES (AS APPLICABLE):				29,720	26,338	27,267	TTL PHASE VA				400 A. BUS (COPPER, UNO)					
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				248	219	227	TTL PHASE AMPS				350 A. MAIN LUGS AND/OR FEEDER RATING					
2. NOT USED.				36%	32%	33%	PHASE BALANCE				18 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		0.50	
LIGHTING		1.25	
MISCELLANEOUS EQUIPMENT		1.00	
OTHER EQUIPMENT (CONTINUOUS)	4,480	1.25	5,600
LARGEST MOTOR	16,140	1.25	20,176
HVAC EQUIPMENT (FLA = MCA X 0.8)	62,524	1.00	62,524
KITCHEN EQUIPMENT		1.00	
TOTAL CONNECTED (VA)	83,324		
TOTAL DEMAND (VA)			88,480
TOTAL DEMAND (AMPERES)			245.6
PANEL DEMAND LOADING VS RATING	70.2%		

ADDITIONAL NOTES (AS APPLICABLE):
3. NUMBERS IN PARENTHESIS REPRESENT NOURISHMENT EQUIPMENT NUMBERS.
4. PROVIDE ARC FAULT CIRCUIT BREAKERS FOR ALL 120V, 15A & 20A PATIENT ROOM BRANCH CIRCUITS SUPPLYING OUTLETS AND DEVICES.
5. GFCI CIRCUIT BREAKER.

Panel LSH

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	TRIP/POLES	#	A	B	C		#	TRIP/POLES	VA	LOAD SERVED					
ENGINE GENERATOR BATTERY HEATER	200	20/1	1	368				2	20/1	168	COURTYARD LIGHTS THRU PL1/LC1					
ENGINE GENERATOR BATTERY CHARGER	200	20/1	3		344			4	20/1	144	COURTYARD LIGHTS THRU PL1/LC1					
ENGINE GENERATOR ENCLOSURE LIGHTS	200	20/1	5			400		6	20/1	200	FIRE ALARM CONTROL UNIT (NOTE 4)					
DOCK STATION BATTERY CHARGER	200	20/1	7	1,355				8	20/1	1,155	LIGHTING 36,37,38,625,725					
EQUIPMENT RACK RECEPTACLE	180	20/1	9		1,305			10	20/1	1,125	LIGHTING 36,37,38,625,725					
SPARE		20/1	11			243		12	20/1	243	EXTERIOR LIGHTING THRI PC1/LC1					
SPARE		20/1	13	166				14	20/1	166	EXTERIOR LIGHTING THRI PC1/LC1					
SPARE		20/1	15					16	20/1		SPARE					
SPARE		20/1	17					18	20/1		SPARE					
SPARE		20/1	19					20	20/1		SPARE					
SPARE		20/1	21					22	20/1		SPARE					
DOCKING STATION BLOCK HEATER (NOTE 3)	1,500	30/2	23			1,500		24	20/1		SPARE					
|	1,500	|	25	1,500				26	30/3		SPD					
ENGINE GENERATOR SET BLOCK HEATER (NOTES 3)	1,500	30/2	27		1,500			28	|		|					
|	1,500	|	29			1,500	30	|		|					
				3,389	3,149	3,643	TTL PHASE VA				100 A. BUS (COPPER, UNO)					
NOTES (AS APPLICABLE):				28	26	30	TTL PHASE AMPS				70 A. MAIN CIRCUIT BREAKER					
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				33%	31%	36%	PHASE BALANCE				10 KAIC MINIMUM RATING					
2. NOT USED.																

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
TOTAL RECEPTACLES (VA) = 180			
RECEPTACLES FIRST 10 KVA	180	1.00	180
RECEPTACLES > 10 KVA		0.50	
LIGHTING	3,201	1.25	4,001
MISCELLANEOUS EQUIPMENT	200	1.00	200
OTHER EQUIPMENT (CONTINUOUS)	6,600	1.25	8,250
LARGEST MOTOR		1.25	
HVAC EQUIPMENT (FLA = MCA X 0.8)		1.00	
KITCHEN EQUIPMENT		1.00	
TOTAL CONNECTED (VA)	10,181		
TOTAL DEMAND (VA)			12,631
TOTAL DEMAND (AMPERES)			35.1
PANEL DEMAND LOADING VS RATING	50.1%		

ADDITIONAL NOTES (AS APPLICABLE):
3. GFCI CIRCUIT BREAKER
4. PROVIDE CIRCUIT BREAKER LOCKING DEVICE WHERE NOTED AND FOR FACU AND UNIT TYPE SMOKE DETECTOR CIRCUITS.

Panel MDPH

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	XX	ULSE LABEL			
	NEMA -	1	ENCLOSURE										ISOLATED GROUND BAR			
	LOAD	CKT BKR	CKT	LOAD VA				CKT	CKT BKR	LOAD						
LOAD SERVED	VA	TRIP/POLES	#	A	B	C		#	TRIP/POLES	VA	LOAD SERVED					
PANEL HA	12,740	200/3	1	12,740				2	30/3		SPD					
|	15,550	|	3		15,550		4	|		|					
|	15,390	|	5			15,390	6	|		|					
PANEL HB	18,324	200/3	7	18,324				8	70/3		SPARE					
|	19,208	|	9		19,208		10	|		|					
|	19,698	|	11			19,698	12	|		|					
PANEL "LSH" VIA ATS "LSH"	3,389	70/3	13	3,389				14	100/3		SPARE					
|	3,149	|	15		3,149		16	|		|					
|	3,643	|	17			3,643	18	|		|					
PANLE "EHH" VIA ATS "EH"	29,720	350/3	19	40,270				20	125/3	10,550	PANEL "CH" VIA ATS "CH"					
|	26,338	|	21		36,630			22	|	10,292	|				
|	27,267	|	23			37,219		24	|	9,952	|				
PREPARED SPACE		100/3	25					26	100/3		PREPARED SPACE					
|		|	27				28	|		|					
|		|	29				30	|		|					
NOTES (AS APPLICABLE):				74,723	74,537	75,950	TTL PHASE VA				800 A. BUS (COPPER, UNO)					
1. COORDINATE CIRCUIT BREAKER TRIP WITH EQUIPMENT.				623	621	633	TTL PHASE AMPS				800 A. MAIN CIRCUIT BREAKER (100% RATED MAIN CIRCUIT BREAKER)					
2. NOT USED				33%	33%	34%	PHASE BALANCE				30 KAIC MINIMUM RATING					

DEMAND SUMMARY:	CONN. (VA)	DEMAND FACTOR	DEMAND (VA)
R: TOTAL RECEPTACLES (VA) = 93080			
RECEPTACLES FIRST 10 KVA	10,000	1.0	10,000
RECEPTACLES > 10 KVA	83,080	0.5	41,540
L: LIGHTING	14,059	1.25	17,574
M: MISCELLANEOUS EQUIPMENT	18,066	1.00	18,066
O: OTHER EQUIPMENT (CONTINUOUS)	20,980	1.25	26,225
B: LARGEST MOTOR	16,140	1.25	20,176
H: HVAC EQUIPMENT (FLA = MCA X 0.8)	62,524	1.00	62,524
K: KITCHEN EQUIPMENT		1.00	
TOTAL CONNECTED (VA)	224,849		
TOTAL DEMAND (VA)			196,104
TOTAL DEMAND (AMPERES)			544
PANEL DEMAND LOADING VS RATING	68.0%		

ADDITIONAL NOTES (AS APPLICABLE):
3. PROVIDE ALL 1200A CIRCUIT BREAKERS WITH ARC ENERGY REDUCTION MODE WITH INTERNAL SWITCH AND INDICATOR.
4. SHUNT TRIP CIRCUIT BREAKER.
5. GFCI CIRCUIT BREAKER.

Panel CH

TYPE:	208	120	VOLTS	3	PHASE	4	WIRE				PROVIDE	XX	EQUIPMENT GROUND BUS			
BOLT-ON	MOUNT:	SURFACE									IF	XX	100 % NEUTRAL

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8/25/2025

ISSUED FOR CONSTRUCTION
08-26-2025

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	DIMMING	
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	DIMMING	
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	DIMMING	
L5	4' SURFACE MOUNTED WRAPAROUND	LITHONIA LBL4 4000LM 80 CRI	METALUX 4NWS3C3-UNV	4'	4000K	LED	120	4253	32		WHITE	SURFACE CEILING	DIMMING	
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	DIMMING	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	DIMMING	WHITE PAINTED FLANGE
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
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	DIMMING	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
L18	WALL MOUNTED VANITY LIGHT	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	PROGRESS LIGHTING P7249 0903K9	ASD LIGHTING CORP ASD-LFMDR-10D16CC-NK		3000K	LED	120	1027	22		WHITE	SURFACE CEILING		
L20	SURFACE MOUNTED LED	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
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 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, 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 PROVIDINGSUCH 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.
J. ALL EXIT AND EMERGENCY FIXTURES SHALL COMPLY WITH NCSBC STANDARDS AND HAVE AUTOMATIC TESTING DEVICES.
K. LED EMERGENCY BATTERY SHALL PROVIDE 1400 MINIMUM LUMENS OUTPUT FOR 90 MINUTES MINIMUM.
L. LED MODULES SHALL BE REPLACEABLE. 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.

SITE LIGHTING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER/SERIES (BASIS OF DESIGN)	NOMINAL SIZE	TEMP	LAMPS	VOLTS	DELIVERED LUMENS	WATTS	LENS	COLOR	MOUNTING	DRIVER	REMARKS
SB	8" SITE BOLLARD W/ CAST LOUVERS	SUN VALLEY BRA8-LED/CL/36LEDNW/RAL9005-T	8" x 42"	4000K	LED	120	1400	42		BLACK	CONC. BASE, SEE 2/EL1.3	LED	PROVIDE CAST LOUVERS

NOTES:

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PRUITT HEALTH
TOWN CENTER
Harrisburg, North Carolina

5T BEDROOM ADDITION /RENOVATION

LIGHTING FIXTURE SCHEDULE

E0.11

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NORTH CAROLINA PROFESSIONAL SEAL 8433 ENGINEER ROBERT MARK FOUNTAIN
8/25/2025

ISSUED FOR CONSTRUCTION
08-26-2025

DECORATIVE LIGHTING FIXTURE SCHEDULE

MARK	DESCRIPTION	MANUFACTURER/SERIES	NOM. SIZE	TEMP(oK)	LAMPS	VOLTS	DELIVERED LUMENS	WATTS	LENS	COLOR	MOUNTING	BALLAST/ DRIVER	REMARKS
DA	SUSPENDED LED CHANDELIER	ULTRALIGHTS 15348-SP-OA-10	48"	4000K	LED	120		180	OPAL ACRYLIC	SATIN PEWTER	SUSPENDED FROM CEILING 8'-0" TO BOTTOM OF FIXTURE	LED DRIVER	9-20W E26 LED LAMPS
DAA	LED WALL SCONCE	BROWNLEE 1325-NT-B12-40K		4000K	LED	120		12	WHITE ACRYLIC	NICKEL TONE	WALL, 6'-8" TOSTEM/CABLE CENTER OF FIXTURE CEILING	LED DRIVER	
DB	PENDENT MOUNTED LED	ULTRALIGHTS 11206-24-SP-OA-10	24"	4000K	LED	120		80	OPAL ACRYLIC	SATIN PEWTER	SUSPENDED FROM CEILING 8'-0" TO BOTTOM' OF FIXTUEE	LED DRIVER	4-20 W E26 LED LAMPS
DB1	PENDANT MOUNTED LED	WESTPORT ABBEY 42-4000-80-56-UNV	42"	4000K	LED	120		56	LAURA WHITE SHADE	SILVERSATIN FINISH	SUSPENDED FROM CEILING 8'-0" TO BOTTOM OF FIXTURE	LED DRIVER	
DC	SURFACE LED	ULTRALIGHTS 0480-39-SP-OA-10-40K	39"	4000K	LED	120		80	OPAL ACRYLIC	SATIN PEWTER	FLUSH CEILING MOUNTED	LED DRIVER	4-20 WATT MAX. E26 LED LAMPS
DD	LED MIRROR	SEURA LUMIN		3000K	LED	120			WHITE ACRYLIC		WALL	LED DRIVER	

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 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, 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.
J. LED EMERGENCY BATTERY SHALL PROVIDE 1400 MINIMUM LUMENS 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. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL RATINGS.
M. THE ABOVE FIXTURE TYPES ARE LISTED AS THE DESIGN BASIS.

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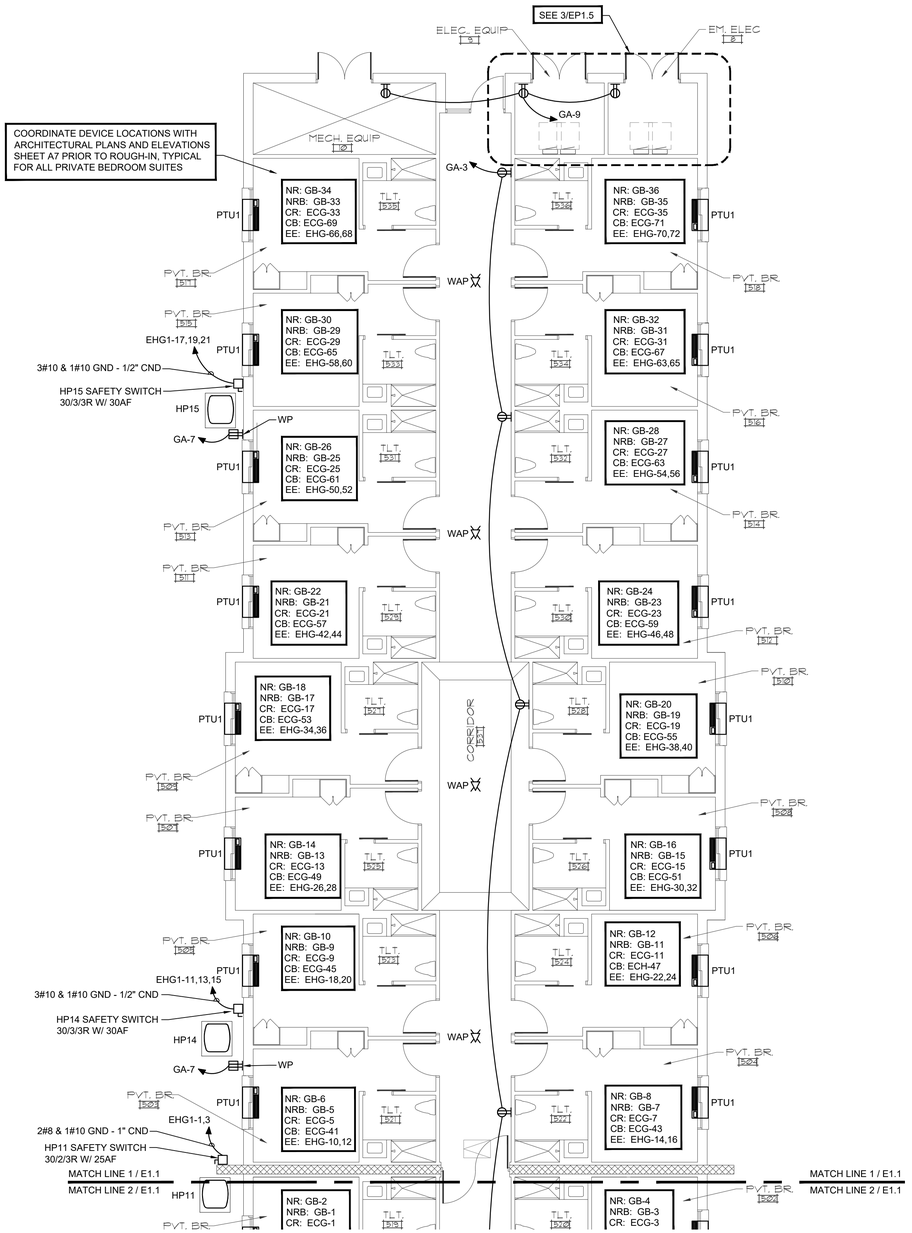
51 BEDROOM ADDITION /RENOVATION
LIGHTING FIXTURE SCHEDULE

E0.12

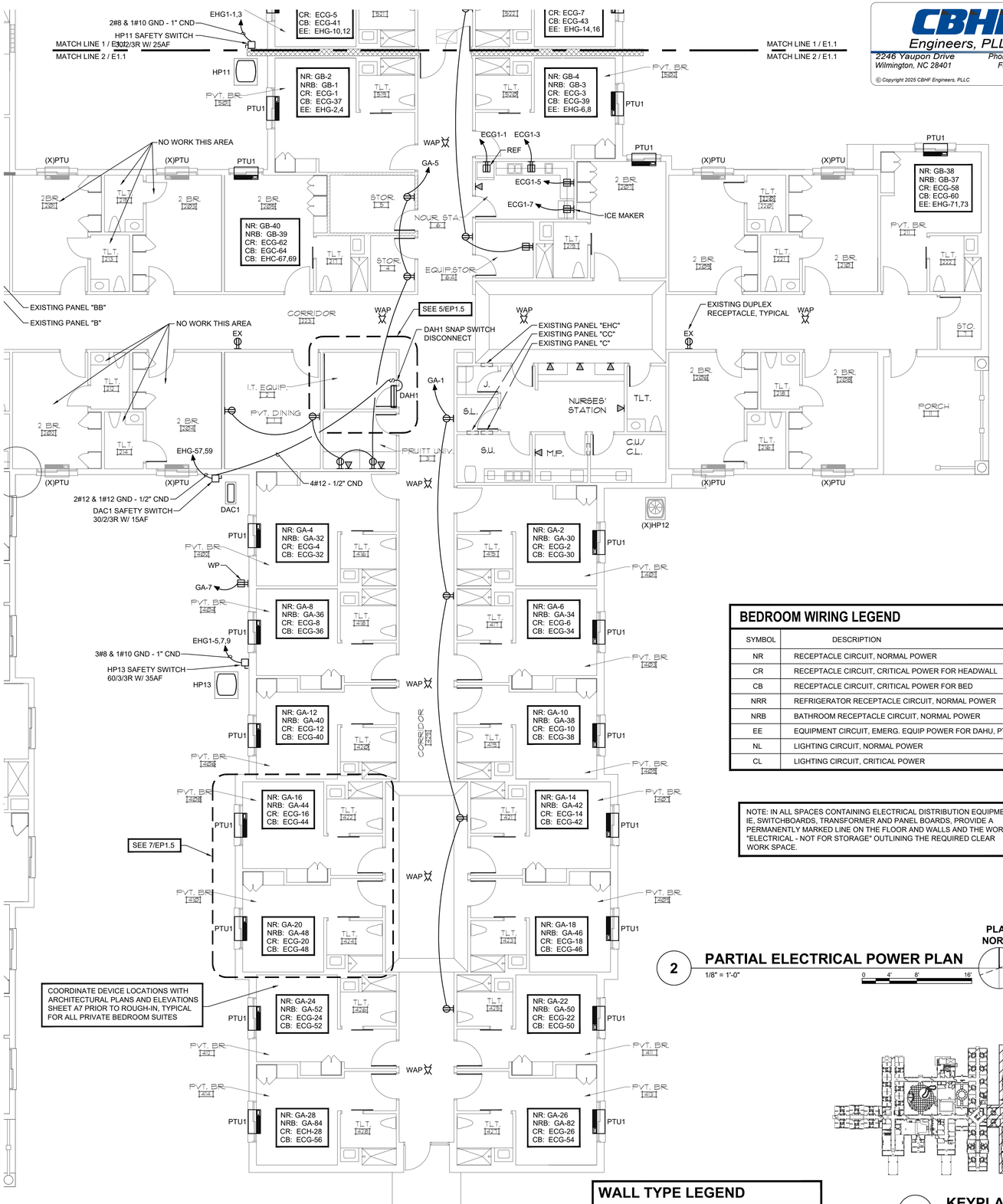
LOW VOLTAGE COORDINATION NOTE

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

COORDINATE DEVICE LOCATIONS WITH ARCHITECTURAL AND INTERIOR DESIGN ELEVATIONS PRIOR TO ROUGH-IN



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



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

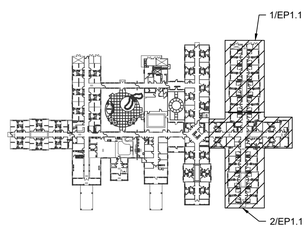
BEDROOM WIRING LEGEND

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, PTU1
NL	LIGHTING CIRCUIT, NORMAL POWER
CL	LIGHTING CIRCUIT, CRITICAL POWER

NOTE: IN ALL SPACES CONTAINING ELECTRICAL DISTRIBUTION EQUIPMENT, IE, SWITCHBOARDS, TRANSFORMER AND PANEL BOARDS, 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



0 **KEYPLAN**
NOT TO SCALE

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NC# P-0506

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433 CHRISTOPHER B. HOLDEN REGISTERED
8/25/2025

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08-26-2025

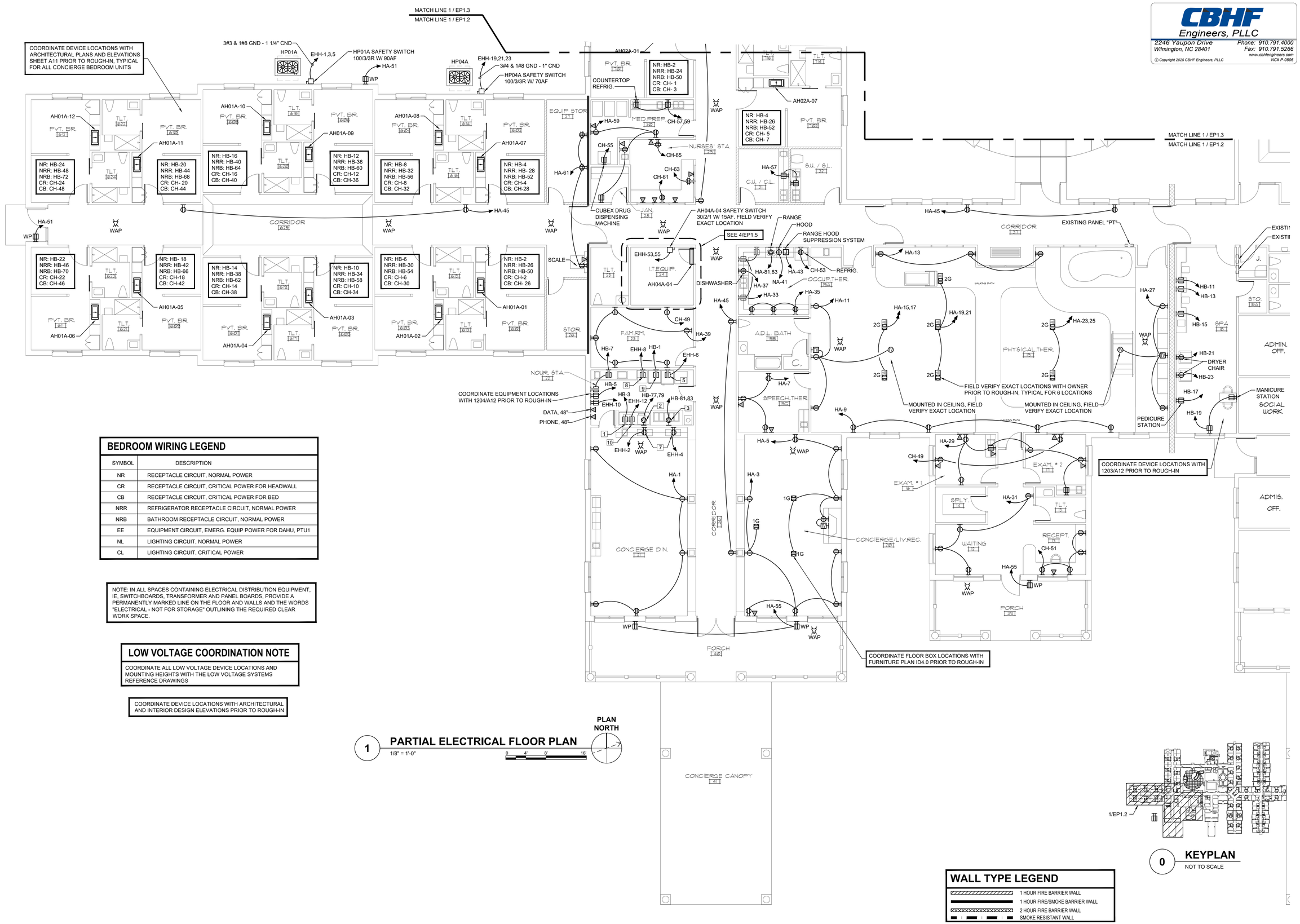
PRUITT HEALTH
TOWN CENTER
Harrisburg, North Carolina

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

51 BEDROOM ADDITION /RENOVATION

PARTIAL ELECTRICAL POWER PLANS

EP 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, PTU1
NL	LIGHTING CIRCUIT, NORMAL POWER
CL	LIGHTING CIRCUIT, CRITICAL POWER

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

LOW VOLTAGE COORDINATION NOTE

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

COORDINATE DEVICE LOCATIONS WITH ARCHITECTURAL AND INTERIOR DESIGN ELEVATIONS PRIOR TO ROUGH-IN

1 PARTIAL ELECTRICAL FLOOR 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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PRUITT HEALTH
TOWN CENTER
Harrisburg, North Carolina

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Architecture Planning Design

57 BEDROOM ADDITION /RENOVATION

PARTIAL ELECTRICAL FLOOR PLANS

EP 1.2

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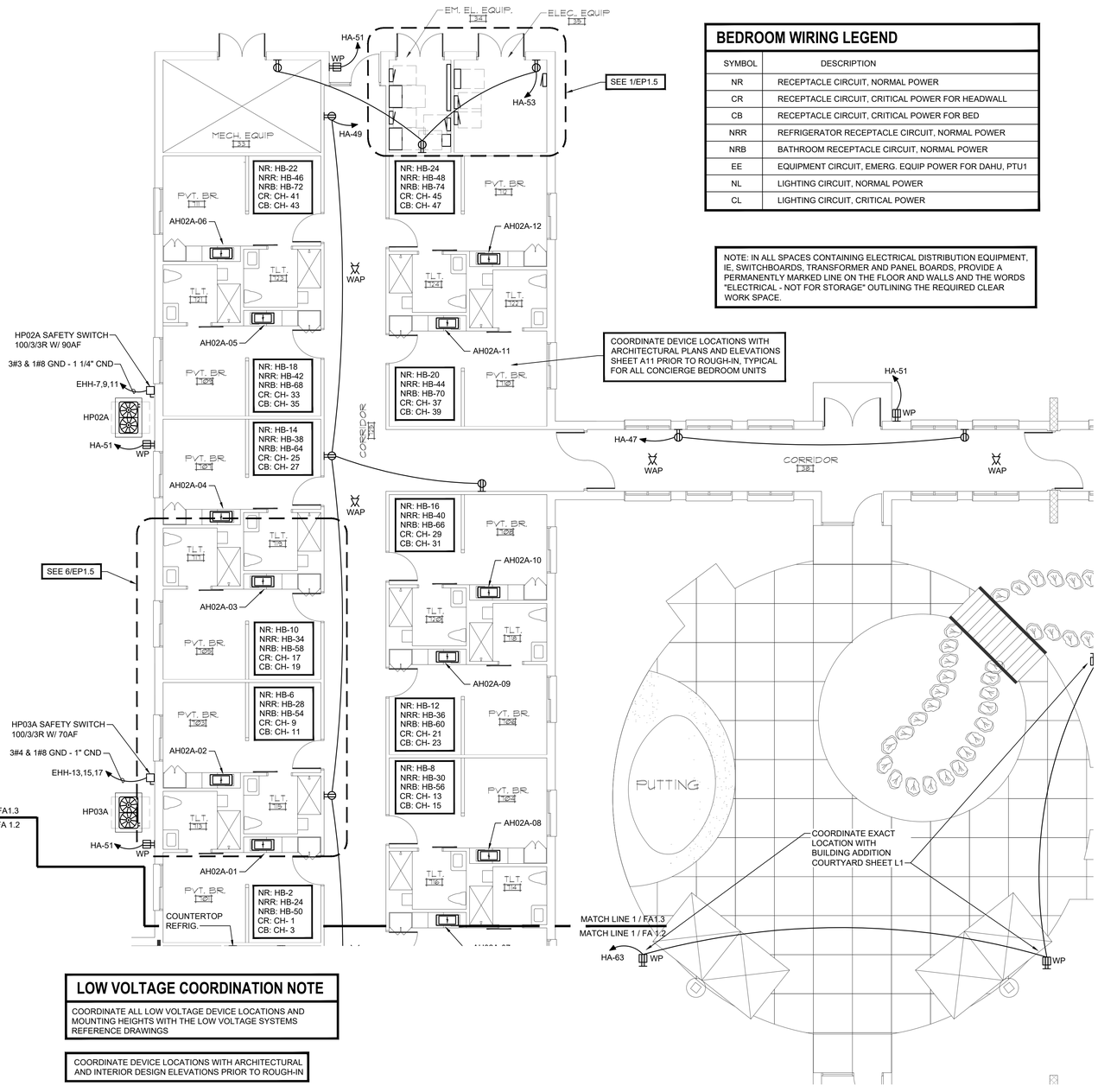

BEDROOM WIRING LEGEND

SYMBOL	DESCRIPTION
NR	RECEPTACLE CIRCUIT, NORMAL POWER
CR	RECEPTACLE CIRCUIT, CRITICAL POWER FOR HEADWALL
CB	RECEPTACLE CIRCUIT, CRITICAL POWER FOR BED
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NOTE: IN ALL SPACES CONTAINING ELECTRICAL DISTRIBUTION EQUIPMENT, IE, SWITCHBOARDS, TRANSFORMER AND PANEL BOARDS, PROVIDE A PERMANENTLY MARKED LINE ON THE FLOOR AND WALLS AND THE WORDS "ELECTRICAL - NOT FOR STORAGE" OUTLINING THE REQUIRED CLEAR WORK SPACE.

LOW VOLTAGE COORDINATION NOTE

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

COORDINATE DEVICE LOCATIONS WITH ARCHITECTURAL AND INTERIOR DESIGN ELEVATIONS PRIOR TO ROUGH-IN

1 PARTIAL ELECTRIAL POWER PLAN

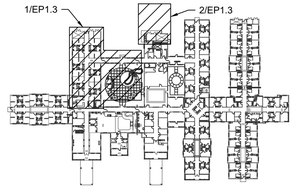
1/8" = 1'-0"

PLAN NORTH

0 4' 8' 16'

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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PRUITT HEALTH
TOWN CENTER
Harrisburg, North Carolina

57 BEDROOM ADDITION /RENOVATION

PARTIAL ELECTRICAL POWER PLANS

EP 1.3

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NORTH CAROLINA PROFESSIONAL SEAL 8433 ENGINEER BRIAN H. FULLERTON
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Harrisburg, North Carolina

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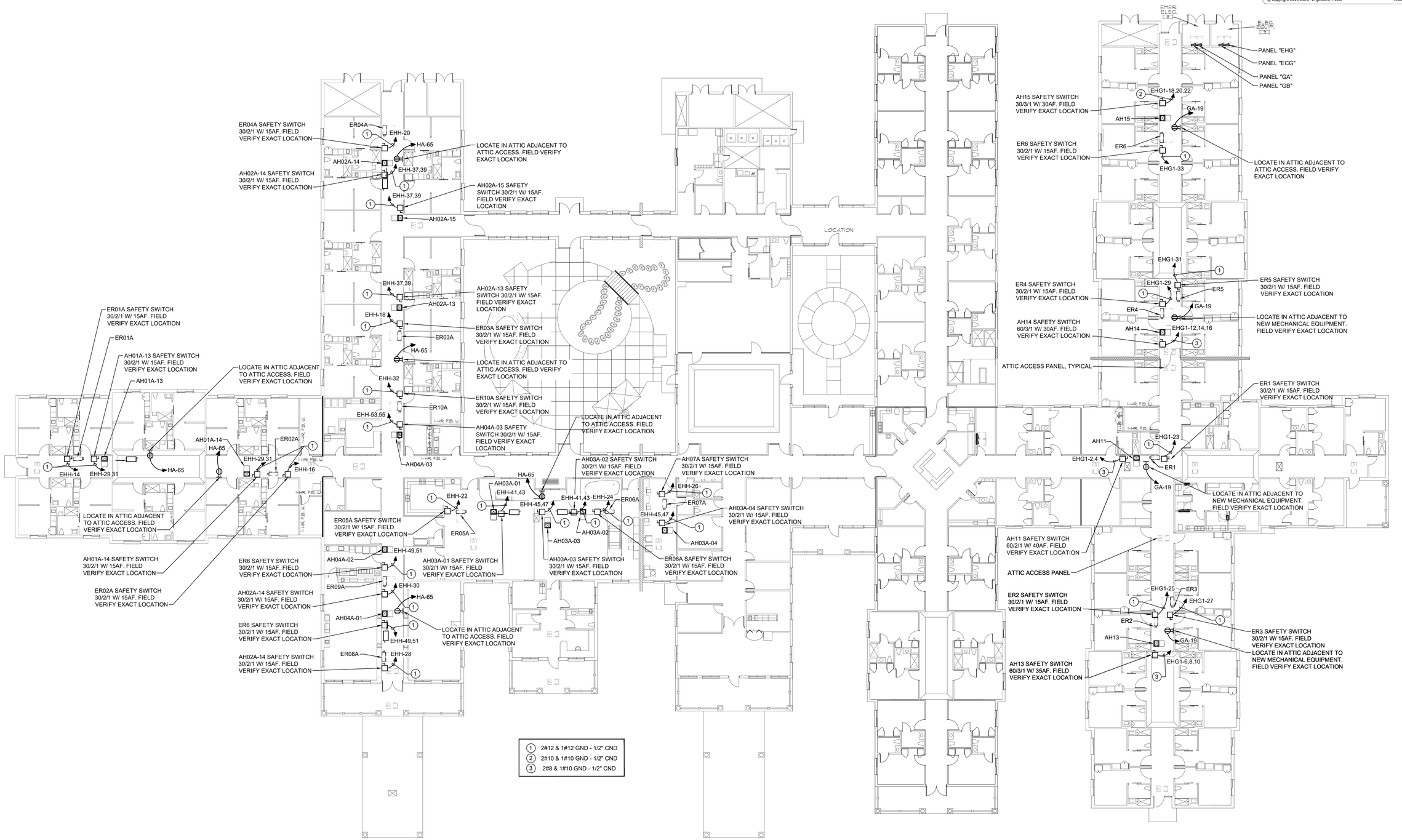
57 BEDROOM ADDITION /RENOVATION
ELECTRICAL ATTIC POWER FLOOR PLAN

EP 1.4



1 ELECTRICAL ATTIC POWER FLOOR PLAN
1/16" = 1'-0"

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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PRUITT HEALTH TOWN CENTER
Harrisburg, North Carolina

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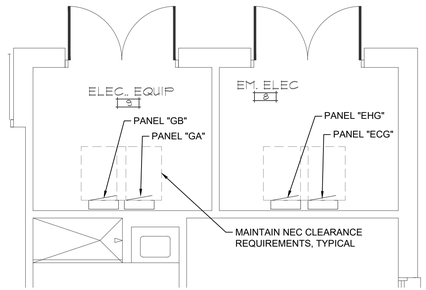
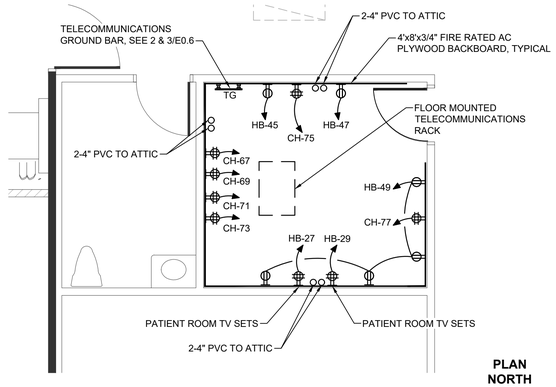
57 BEDROOM ADDITION /RENOVATION
ELECTRICAL ENLARGED PLANS

EP 1.5



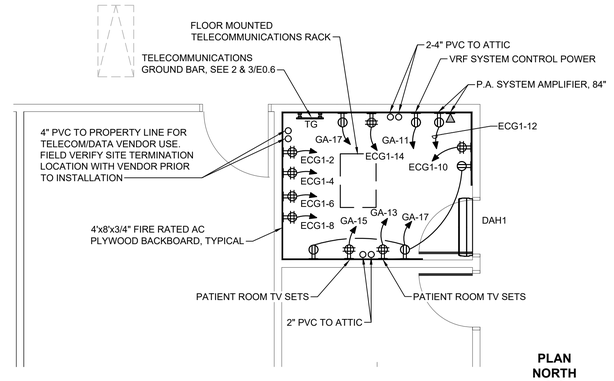
3 ENLARGED PLAN EMERG ELECTRICAL 9 AND ELECTRICAL 8 PLAN
1/4" = 1'-0"

PLAN NORTH



4 ENLARGED PLAN - I.T. ROOM 24
1/4" = 1'-0"

PLAN NORTH



5 ENLARGED PLAN - I.T. ROOM 2
1/4" = 1'-0"

PLAN NORTH

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
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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, PTU1
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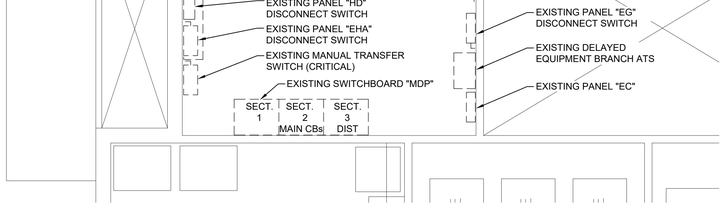
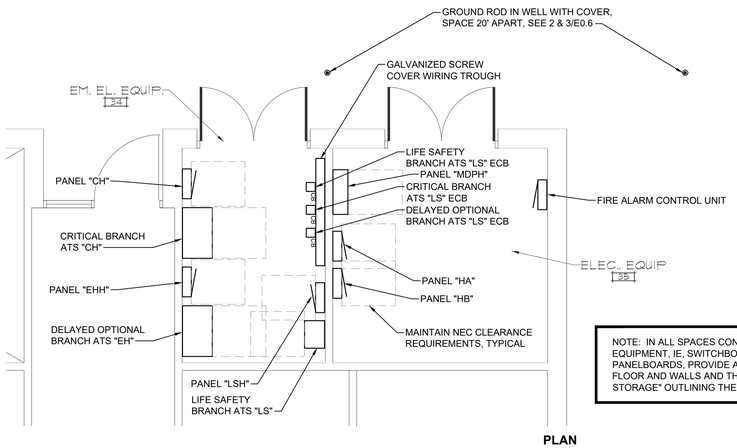


2 ENLARGED EXISTING ELECTRICAL ROOM
1/4" = 1'-0"

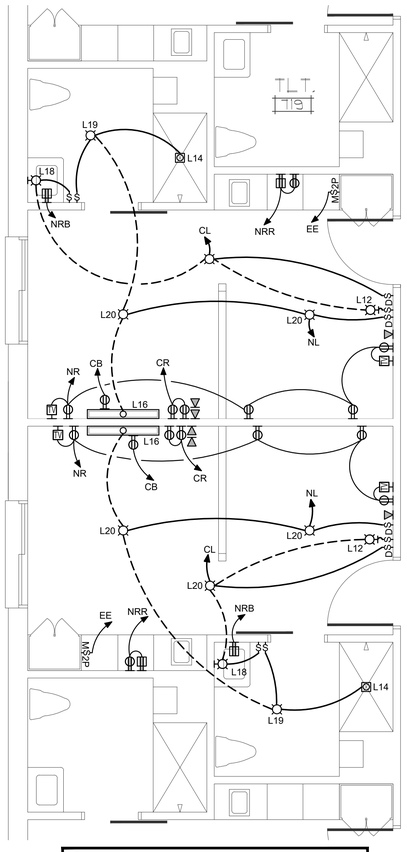
PLAN NORTH



1 ENLARGED EMERG ELECTRICAL 34 AND ELECTRICAL 35 PLAN
1/4" = 1'-0"

PLAN NORTH

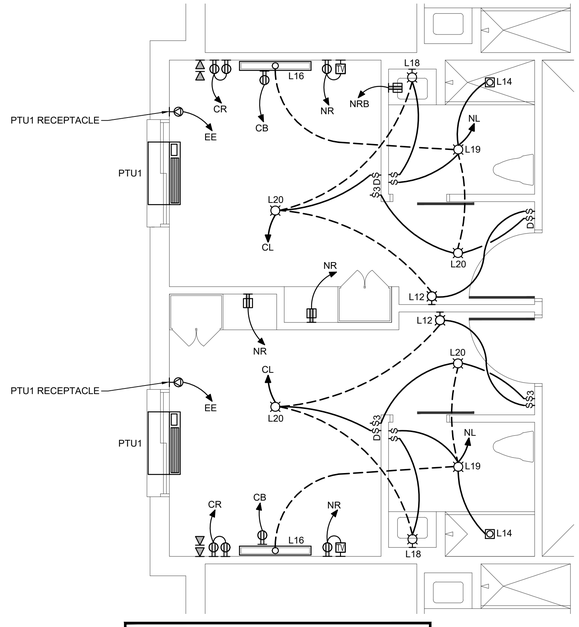
NOTE: IN ALL SPACES CONTAINING ELECTRICAL DISTRIBUTION EQUIPMENT, IE, SWITCHBOARDS, TRANSFORMERS AND PANELBOARDS, PROVIDE A PERMANENTLY MARKED LINE ON THE FLOOR AND WALLS AND THE WORDS "ELECTRICAL - NOT FOR STORAGE" OUTLINING THE REQUIRED CLEAR WORKING SPACE.



COORDINATE CONCIERGE ROOM DEVICE LOCATIONS AND MOUNTING HEIGHTS WITH ELEVATION 1104, 1105 AND 1107/A11 PRIOR TO ROUGH-IN

6 TYPICAL ENLARGED PLAN - CANCIERGE BEDROOM
1/4" = 1'-0"

PLAN NORTH

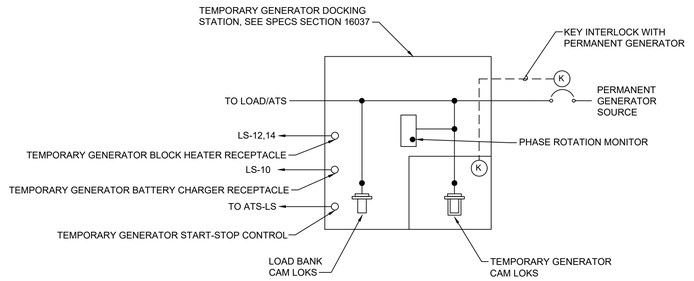


COORDINATE PRIVATE BED ROOM DEVICE LOCATIONS AND MOUNTING HEIGHTS WITH ELEVATION 707 AND 708/A7 PRIOR TO ROUGH-IN

7 TYPICAL ENLARGED PLAN - PRIVATE BEDROOM
1/4" = 1'-0"

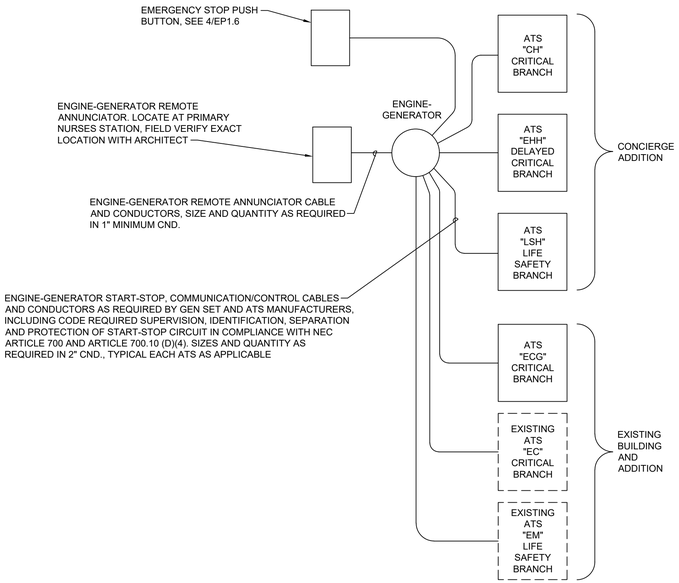
PLAN NORTH

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



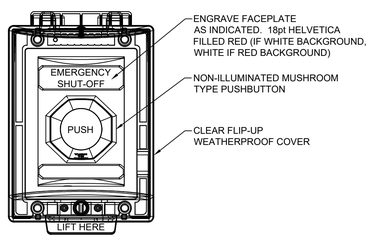
2 TEMPORARY GENERATOR DOCKING STATION DETAIL

NOT TO SCALE



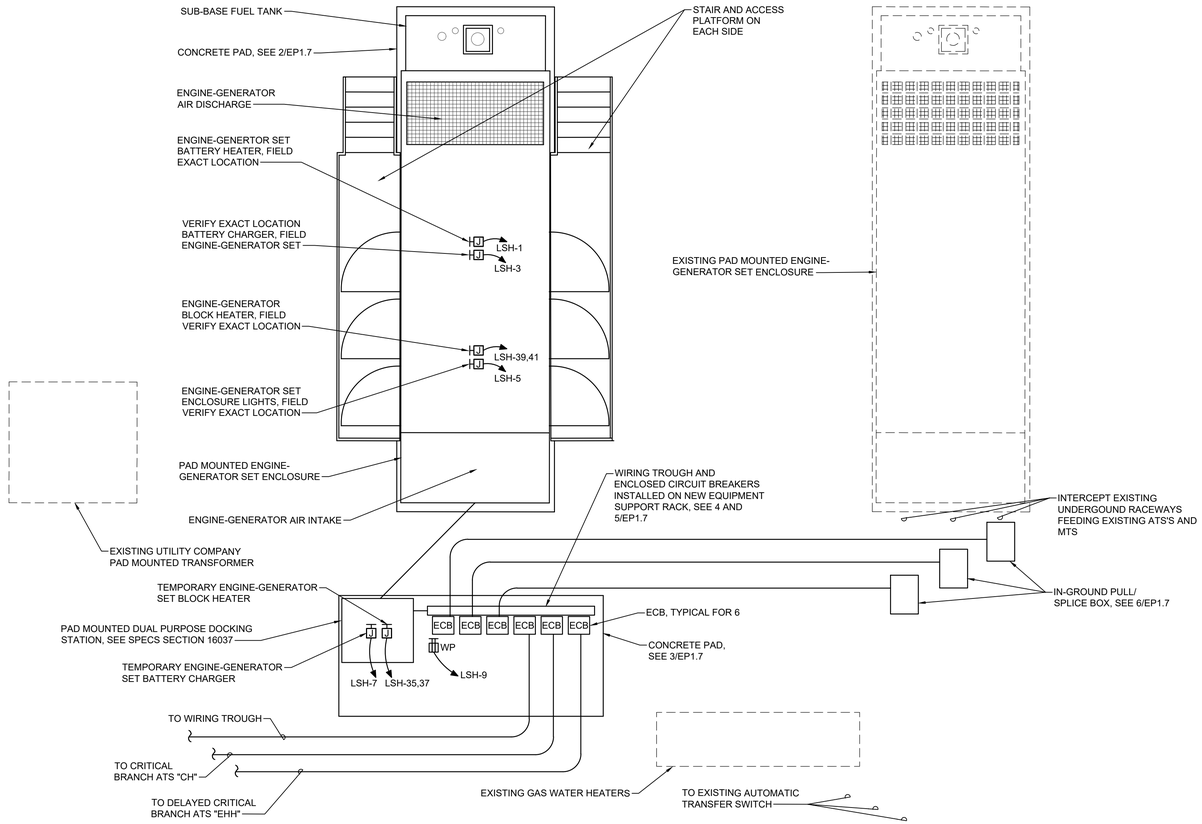
3 GENERATOR CONTROL BLOCK DIAGRAM

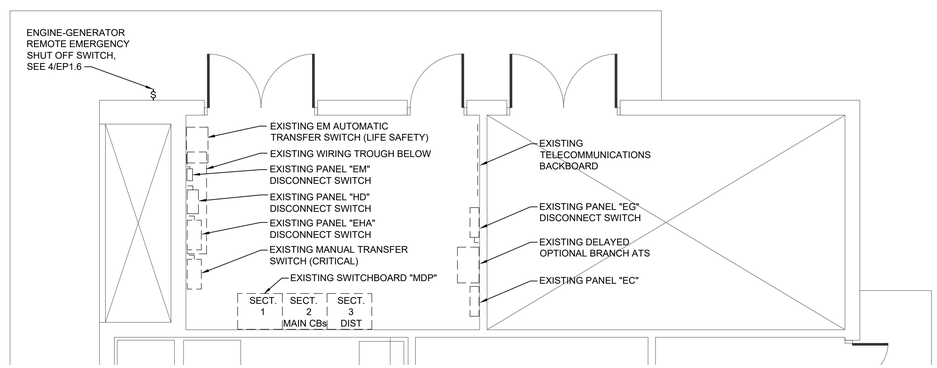
NOT TO SCALE



4 ENGINE-GENERATOR REMOTE EMERGENCY SHUTOFF SWITCH

NOT TO SCALE





1 PARTIAL POWER PLAN

1/8" = 1'-0"

0 4' 8' 16'

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 WORKING SPACE.

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8/25/2025

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PRUITT HEALTH
TOWN CENTER
Harrisburg, North Carolina

David R. Polston - Architect
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Architecture Planning Design

57 BEDROOM ADDITION /RENOVATION

ELECTRICAL ENLARGED PLANS AND DETAILS

EP 1.6

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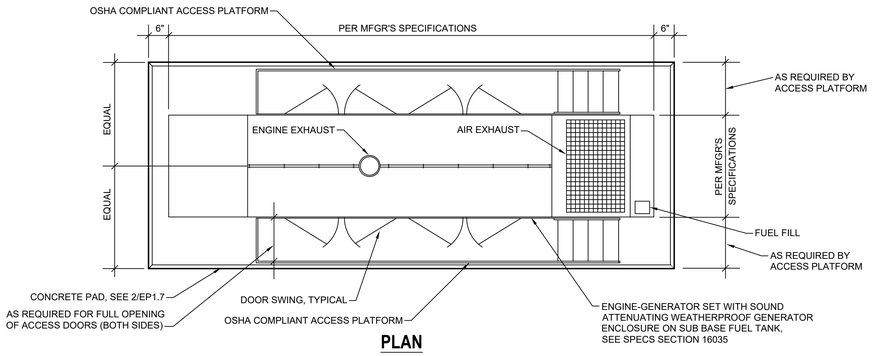
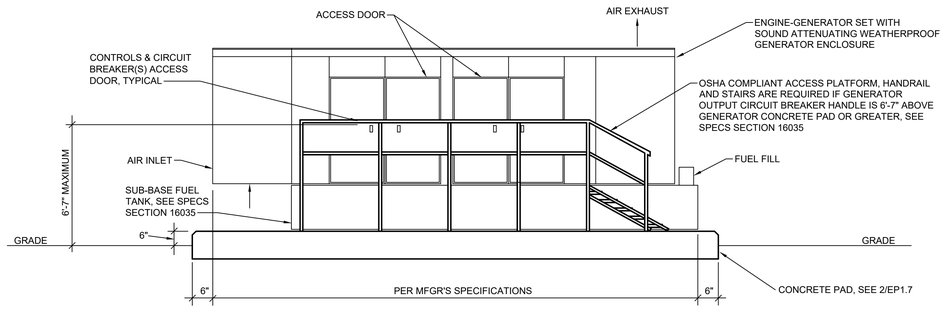


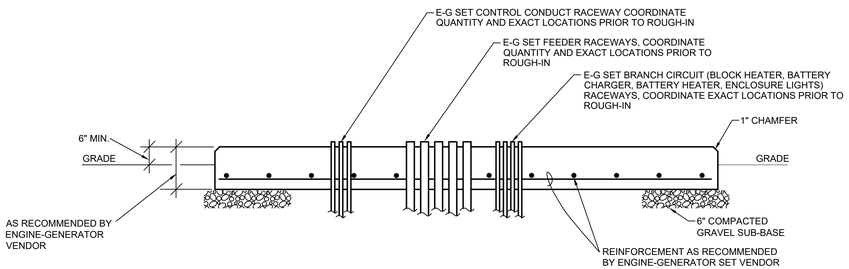
PLAN



ELEVATION

1 ENGINE-GENERATOR SET DETAIL

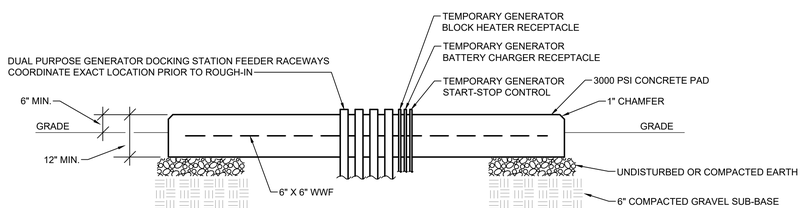
NOT TO SCALE



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

2 ENGINE-GENERATOR SET CONCRETE PAD DETAIL

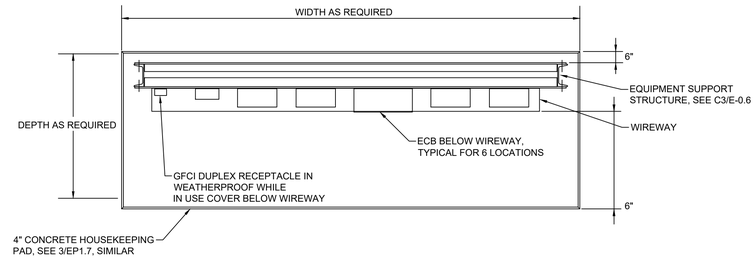
NOT TO SCALE

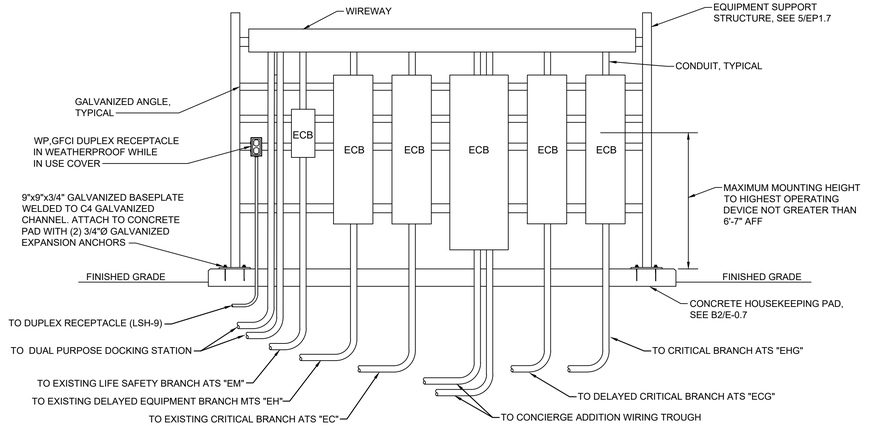


NOTE: FIELD VERIFY EXACT PAD SIZE REQUIREMENTS AND RACEWAY STUB-UP LOCATIONS WITH DUAL PURPOSE GENERATOR DOCKING STATION VENDOR PRIOR TO POURING OF PAD

3 DUAL PURPOSE GENERATOR DOCKING STATION CONCRETE PAD DETAIL

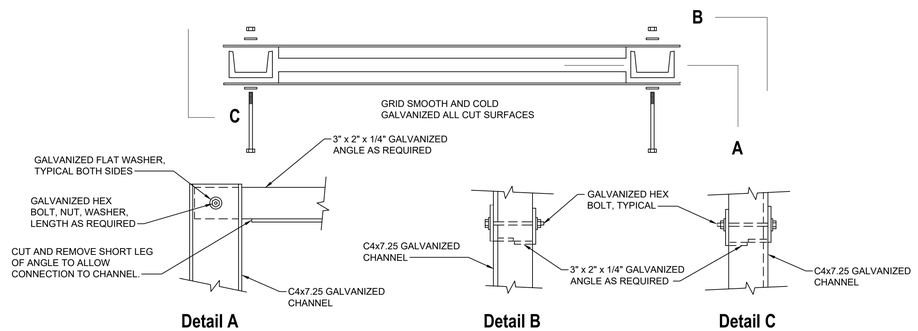
NOT TO SCALE





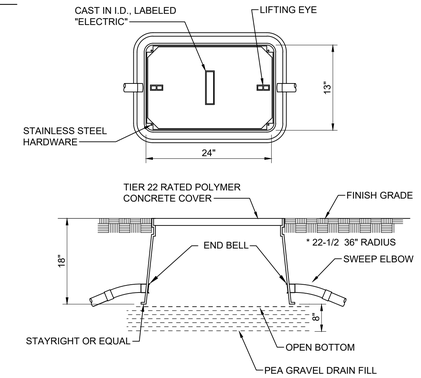
4 GENERATOR LOAD WIRING TROUGH SUPPORT STRUCTURE DETAIL

NOT TO SCALE



5 EQUIPMENT SUPPORT STRUCTURE DETAIL

NOT TO SCALE



NOTES:
1. HOUSING SHALL BE A POLYMER CONCRETE REINFORCED WITH A HEAVY WEAVE FIBERGLASS.
2. BOX AND COVER SHALL CONFORM TO TIER 22 REQUIREMENTS.
3. PROVIDE STAINLESS STEEL BOLTS AND INSERTS.
4. PROVIDE WITH (IN & OUT) MOUSEHOLES, SIZE AS REQUIRED. SEE DRAWINGS FOR CONDUIT SIZES.

6 IN-GROUND PULL/SPLICE BOX

NOT TO SCALE

NORTH CAROLINA PROFESSIONAL SEAL 8433 ENGINEER
8/25/2025

ISSUED FOR CONSTRUCTION
08-26-2025

PRUITT HEALTH
TOWN CENTER
Harrisburg, North Carolina

David R. Polston - Architect
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Architecture Planning Design

57 BEDROOM ADDITION /RENOVATION

ELECTRICAL ENLARGED PLANS AND DETAILS

EP 1.7

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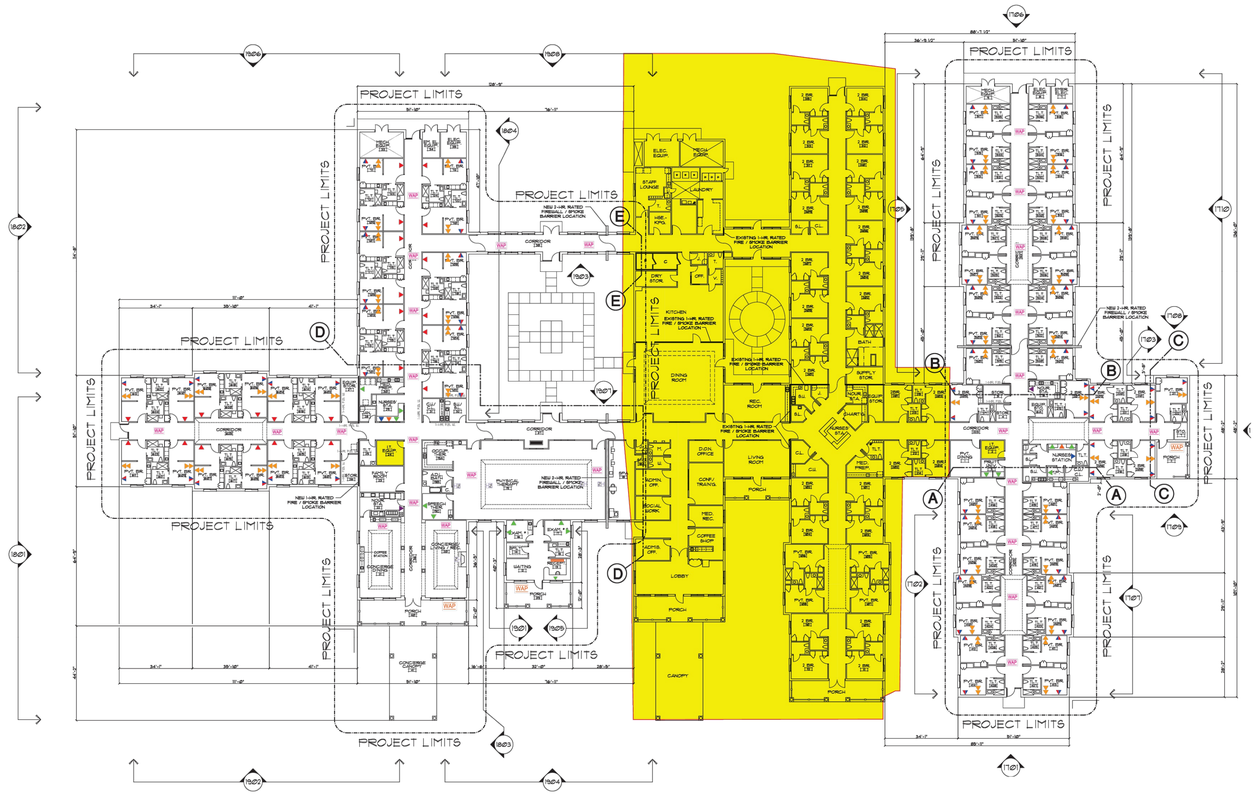
NORTH CAROLINA PROFESSIONAL SEAL 8433 ENGINEER
8/25/2025

ISSUED FOR CONSTRUCTION
08-26-2025

	Legend	
	Description	Quantity
▲	(1) Data & (1) RG6 Drop (Mount 47"-52") - Grounding Is Provided By Others	69
I	Digital Display	1
◀	Dual Data Drop (Admin) (16" A.F.F. To Bottom Of Outlet)	15
▭	Exterior AP	3
I◪	Open Area Television (16" A.F.F. To Bottom Of Faceplate)	5
▶	Quad Data Drop (Admin) (16" A.F.F. To Bottom Of Outlet)	2
◀	Single Coax Drop (Resident)	24
▶	Single Data Drop	2
▶	Single Data Drop (16" A.F.F. to Bottom Of Outlet) -Wall Phones 48" A.F.F. To Center Of Outlet)	2
◀	Single Data Drop (Resident)	126
▭	Wireless Access Point	27



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

Project	Sheet
Date	
Drawn By	
SCALE: N.T.S.	

ATTIC LOW VOLTAGE SYSTEMS CABLE INSTALLATION NOTES

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David R. Polston - Architect
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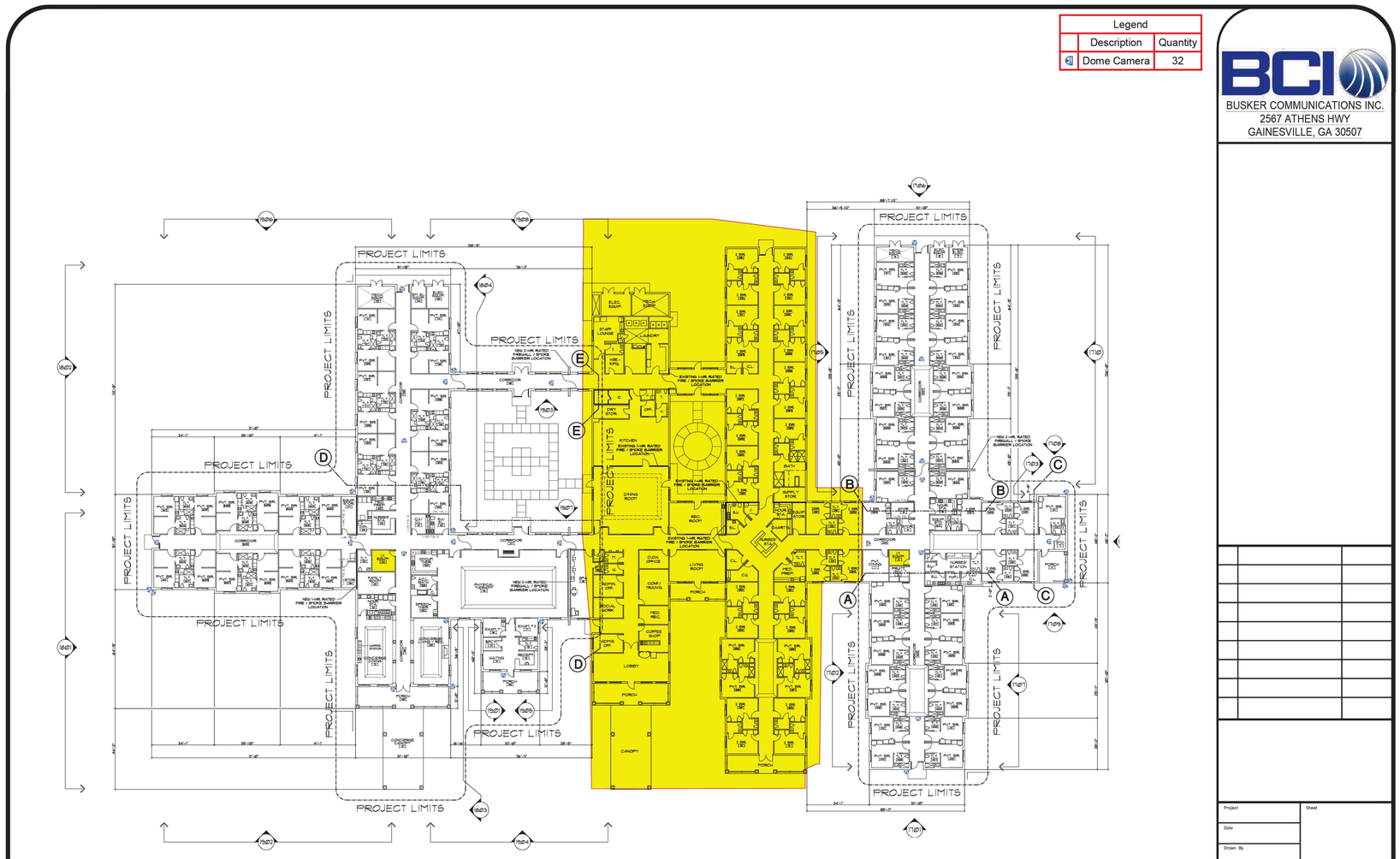
Architecture Planning Design

PRUITT HEALTH
TOWN CENTER
Harrisburg, North Carolina

57 BEDROOM ADDITION /RENOVATION
TELECOMMUNICATIONS PLAN

ER
1.1



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NC# P-0506
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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433 REGISTERED

8/25/2025

ISSUED FOR CONSTRUCTION
08-26-2025

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

PRUITT HEALTH
TOWN CENTER
Harrisburg, North Carolina

57 BEDROOM ADDITION /RENOVATION

CCTV PLAN

ER 1.2

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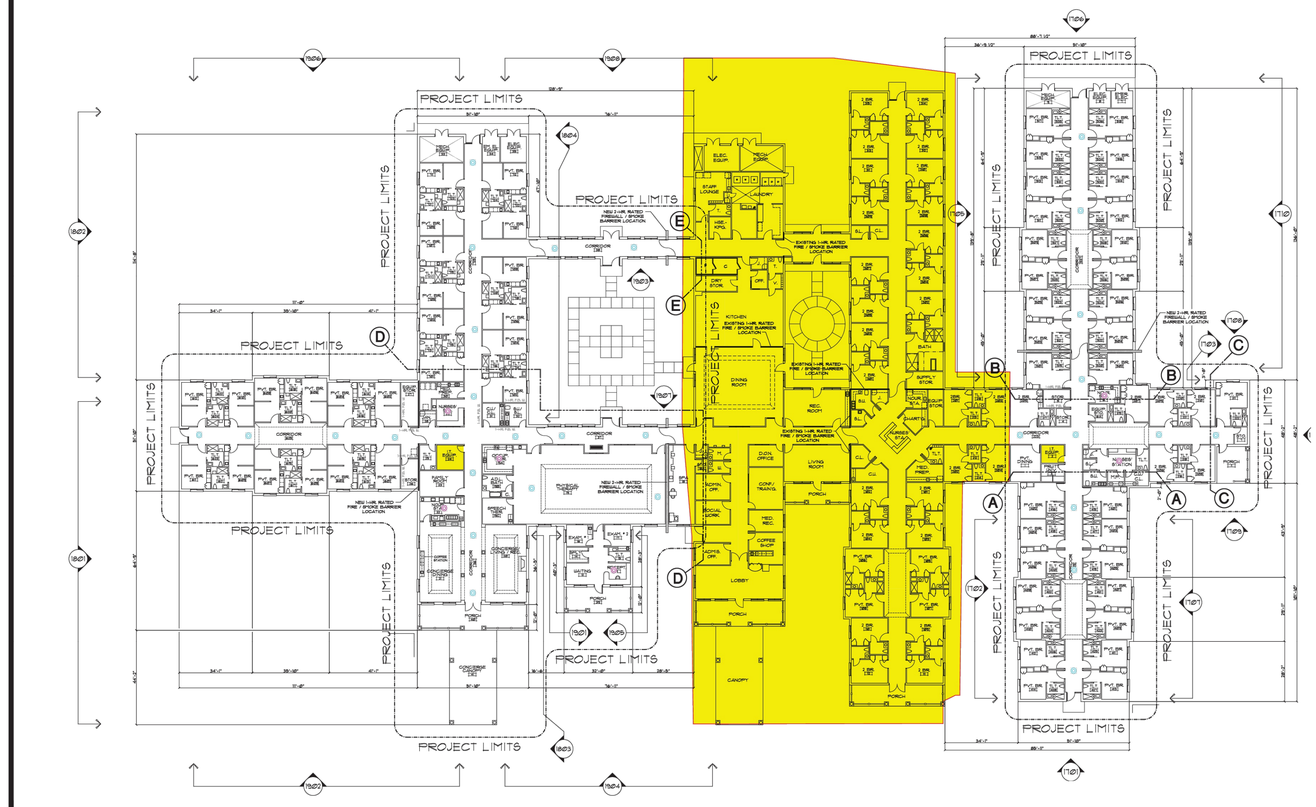
NORTH CAROLINA PROFESSIONAL SEAL 8433 ENGINEER
8/25/2025

ISSUED FOR CONSTRUCTION
08-26-2025

Symbol Legend		
	Subject	Quantity
	Operation Speaker	15
	Speaker	74
V	Volume Control	5



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Architecture Planning Design

PRUITT HEALTH
TOWN CENTER
Harrisburg, North Carolina

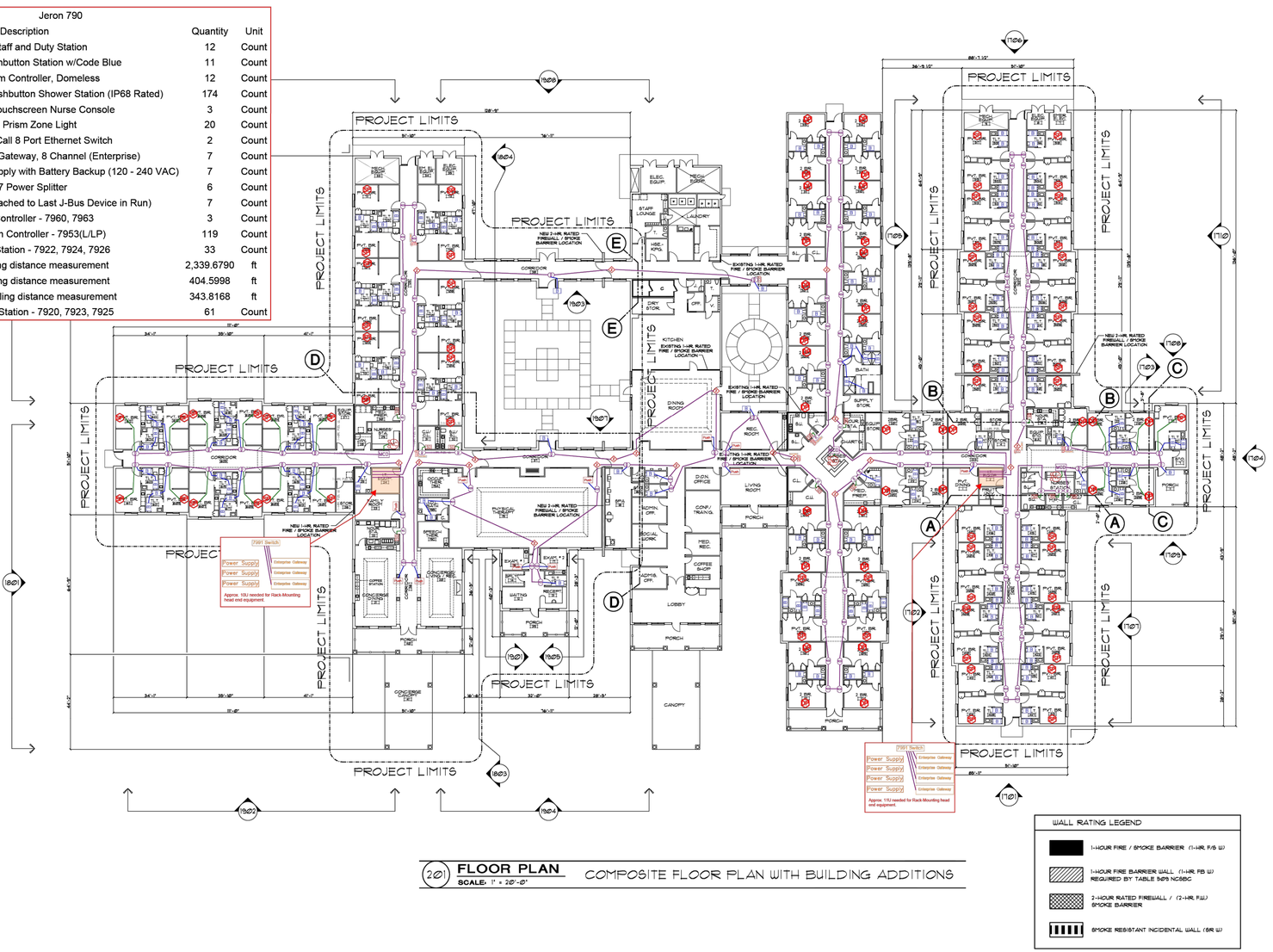
57 BEDROOM ADDITION /RENOVATION

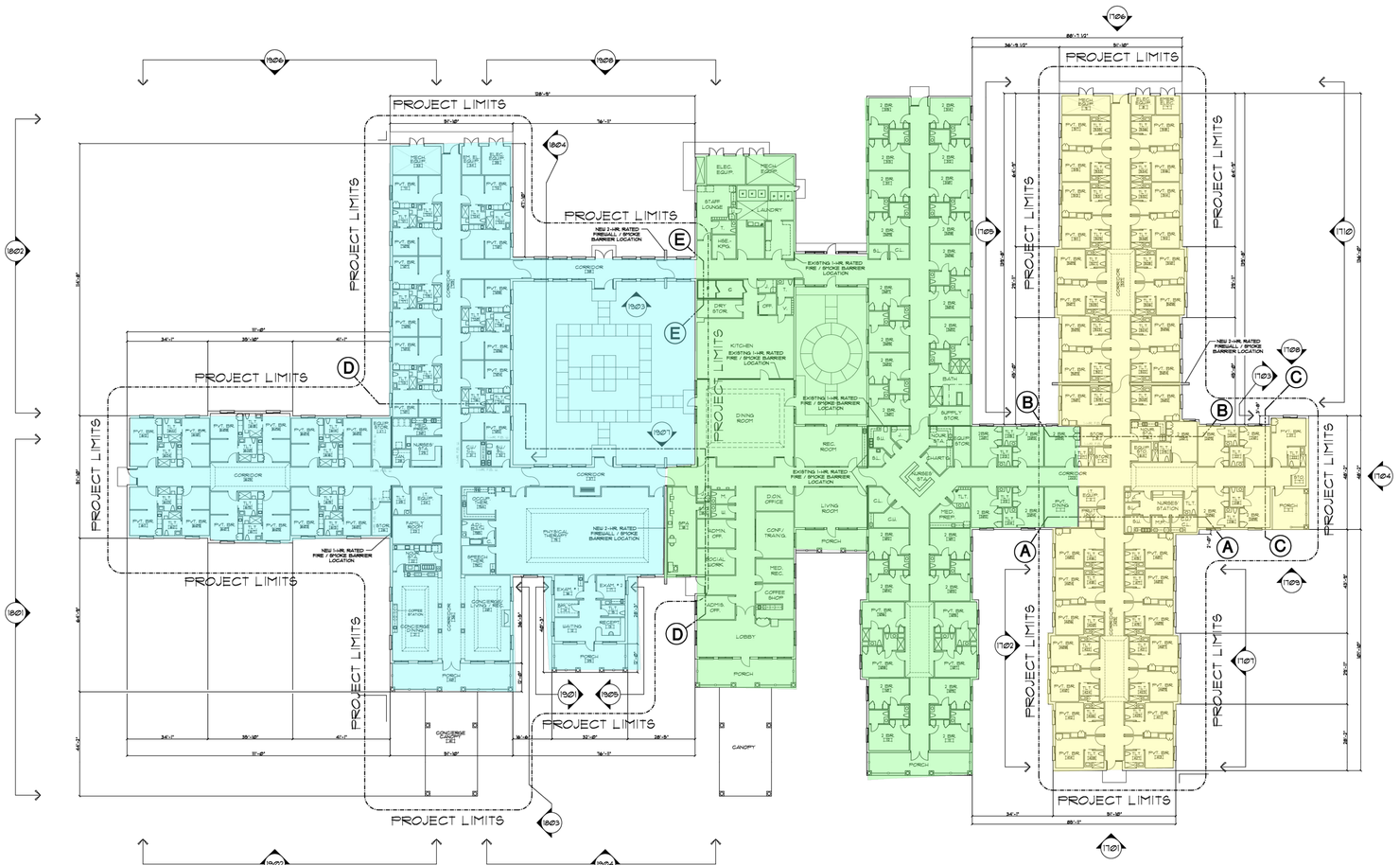
PUBLIC ADDRESS PLAN

ER 1.3

Jeron 790

Description	Quantity	Unit
7927 - Staff and Duty Station	12	Count
7931 - Dual Pushbutton Station w/Code Blue	11	Count
7950 - Room Controller, Domeless	12	Count
7958-W - Pullcord and Pushbutton Shower Station (IP68 Rated)	174	Count
7965 - Color Touchscreen Nurse Console	3	Count
7973 - Prism Zone Light	20	Count
7991 - Nurse Call 8 Port Ethernet Switch	2	Count
7993-E - Nurse Call Gateway, 8 Channel (Enterprise)	7	Count
7995A - Nurse Call Power Supply with Battery Backup (120 - 240 VAC)	7	Count
9777 Power Splitter	6	Count
9779 J Bus Splitter (Attached to Last J-Bus Device in Run)	7	Count
Console Controller - 7960, 7963	3	Count
Domed Room Controller - 7953(L/LP)	119	Count
Dual Patient Station - 7922, 7924, 7926	33	Count
JBUS - Cabling distance measurement	2,339.6790	ft
PBUS - Cabling distance measurement	404.5998	ft
R/M BUS - Cabling distance measurement	343.8168	ft
Single Patient Station - 7920, 7923, 7925	61	Count





201 **FLOOR PLAN** COMPOSITE FLOOR PLAN WITH BUILDING ADDITIONS
SCALE: 1" = 20'-0"

Nurse Station Coverage Zones

WALL RATING LEGEND

- 1-HOUR FIRE / SMOKE BARRIER (1-HR F/S W)
- 1-HOUR FIRE BARRIER WALL (1-HR FB W) REQUIRED BY TABLE 509 NCSBC
- 2-HOUR RATED FIREWALL / (2-HR FW) SMOKE BARRIER
- SMOKE RESISTANT INCIDENTAL WALL (SR W)

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NORTH CAROLINA PROFESSIONAL SEAL 8433 ENGINEER
8/25/2025

ISSUED FOR CONSTRUCTION
08-26-2025

PRUITTHEALTH
TOWN CENTER
Harrisburg, North Carolina

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Architecture Planning Design

59 BEDROOM ADDITION / RENOVATIONS

A 2

PRUITT HEALTH
TOWN CENTER
Harrisburg, North Carolina

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Architecture Planning Design

59 BEDROOM ADDITION /RENOVATION

NURSE STATION COVERGE ZONE PLAN

ER 1.5

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 8433 BRIAN M. FOWLER
8/25/2025

ISSUED FOR CONSTRUCTION
08-26-2025

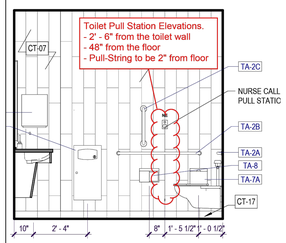
PRUITT HEALTH
TOWN CENTER
Harrisburg, North Carolina

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

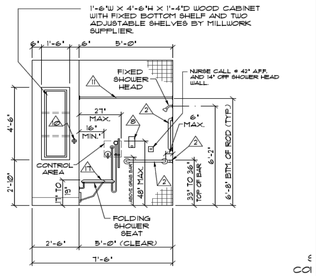
57 BEDROOM ADDITION /RENOVATION
NURSE CALL DETAILS

ER 1.6

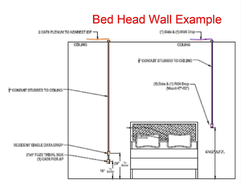
Toilet Example



Shower Example

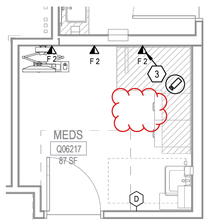


Bed Head Wall Example

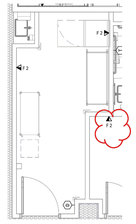


Duty Station Elevations

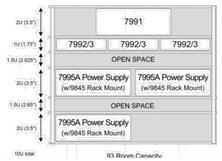
Clean Utility, Soiled Utility, Med Prep, Nurishment



Either 48" from the floor, or 8" above counter top



Rack-Mounted Head End Example



Mounting Equipment

Use recommended Raco backboxes or UL Listed equivalent.

Model	Station	Dimensions	Enclosure Type	Enclosure Gang	Backbox & Trim Ring Options
7917	Visual Duty	4.6" H x 3" W x 1" D (11.7 x 7.6 x 2.5 cm)	PC/ABS	1	**Drywall**: **Raco 670 1-Gang Backbox** 4" H x 2" W x 2-1/8" D (10.1 x 5 x 5.4 cm) **Raco 232 2-Gang Backbox**: 4" H x 4" W x 2-1/8" D (10.1 x 10.1 x 5.4 cm) *with* **Raco 772 1-Gang Trim Ring**: 4" square cover, raised ½" (10.1 cm square cover, raised 1.2 cm) **Masonry**: **Raco 690 1-Gang Masonry Box** 2-½" deep
7918	Electrical Supervision				
7930	Single Pushbutton				
7931 7931-R 7931-P 7931-P-R	Dual Pushbutton				
7932/58 7932-R 7958-R 7958-W	Pullcord/Pushbutton Bath Ingress Protected Pullcord				
7934	Staff Presence				
7937	Remote Cancel				
7940	Procedure				
7941	Dual Auxiliary Alarm Input				
7945	Dual External Alarm Input				
7948	Clinic Sequencing Station				
7949/7949-P	Code Blue/Code Pink				
7930-PC	High Security Call	**Faceplate**: 9" x 7" x 0.125" (22.8 x 17.8 x 0.32 cm)	Stainless		
7916	PA Page Interface	4.8" x 4.9" x 1.1" (12.1 x 12.4 x 2.7 cm)	PC/ABS	1 or 2	**Drywall**: **Raco 232 4" Square Backbox** 4" H x 4" W x 2-1/8" D (10.1 x 10.1 x 5.4 cm) *with* **Raco 778 2-Gang Trim Ring** 4" square cover, raised ½" (10.1 square cover, raised 1.2 cm) **Masonry**: **Raco 691 2-Gang Masonry Box** 2-½" deep
7950	Room Controller				
7951 7951-L	Remote Dome Light	4.6" x 3.0 x 2.25" (11.7 x 7.6 x 5.7 cm)			
7953 7953-L	Room Controller w/ Prism Dome Lights	4.8" H x 4.9" W x 3.7" D (12.1 x 12.4 x 9.3 cm)			
7953-LP	Room Controller w/ Prism Dome Light	4.8" H x 4.9" W x 1-¾" D (12.1 x 12.4 x 3.17 cm)			
7960	Console Controller	4.8" H x 4.9" W x 1.1" D (12.1 x 12.4 x 2.7 cm)			
7963	Console Controller w/ Prism Dome Lights	4.8" H x 4.9" W x 3.7" D (12.1 x 12.4 x 9.3 cm)			
7973	Prism Zone Light				
7912	Pushbutton Staff w/ Audio	4.8" H x 4.8" W x 1.2" D (12.2 x 12.1 x 3 cm)			
7919	Bath w/ Audio				
7919-IS	Doorway Isolation Station				
7927	Staff/Duty w/ Audio				
7968	Color Touchscreen Workflow Station	4.8" H x 4.9" W x 1.1" D (12.1 x 12.4 x 2.7 cm)			
7968-A	Color LCD Annunciator Station				
7912-PC	High Security Intercom Call	**Faceplate**: 9" x 7" x 0.125" (22.8 x 17.8 x 0.32 cm)	Stainless		Required Backbox Model 3112

Table 17: Mounting Equipment

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Model	Station	Dimensions	Enclosure Type	Enclosure Gang	Backbox & Trim Ring Options
7920	Standard Single Call Cord	4.6" H x 6.8" W x 1.2" D (11.7 H x 17.2 W x 3 D cm)	PC/ABS	3	**Drywall**: **Raco 942 3-Gang Backbox** 4-½" H x 8-5/8" W x 2-½" D (11.4 H x 21.9 W x 6.3 D cm) *with* **Raco 822 3-Gang Backbox**: 4-½" H x 8-7/8" W (11.4 H x 22.5 W) **Masonry**: Raco 692 3-Gang Masonry Box 2-½" deep
7922	Standard Dual Call Cord Patient				
7923	Enhanced Single Patient				
7924	Enhanced Dual Patient				
7925	Single Patient	4.6" H x 6.8" W x 1.2" D (11.7 H x 17.2 W x 3 D cm)			**Drywall**: **Raco 232 4" Square Backbox**: 4" H x 4" W x 2-1/8" D (10.1 H x 10.1 W x 5.4 D cm) *with* **Masonry**: **Raco 691 2-Gang Masonry Box** 2-½" deep
7926	Dual Patient				
7920-PC	High Security Intercom Call	**Faceplate**: 10" x 6" x 0.125" (25.4 x 15.24 x 0.34 cm)	Stainless		Required Backbox Models 3113
7991/7991-FX	Nurse Call Isolated 8 Port Ethernet Switch	2.5" x 9" x 17.2" (6.3 x 22.8 x 18.2 cm)	Rack mounted on standard 19" rack (model 9842 kit per one 7991, model 9843 per two 7991) or wall mounted on 7988/7989 Wall Mount Cabinet		
7992/7993	Gateway	1.5" H x 6.5" W x 5.6" D (3.8 H x 16.5 W x 14.3 D cm)	Rack mounted on standard 19" rack (model 9840 kit for up to three 7992/7993) or wall mounted on 7988/7989 Wall Mount Cabinet		
7995A	Power Supply and Backup Battery	8.3" x 5.8" x 2.8" (21 x 15 x 7 cm)	Rack or enclosure mounted		
7965	Touchscreen Console	8.3" x 9.2" x 3" (21 x 23.3 x 7.6 cm) **Footprint**: 75.9 in² (489 cm²)	PC/ABS	2	Desk Mounted on Metal Base *or* Wall Mounted on 9769 Wall Bracket: **Raco 232 4" Square Backbox** 4" H x 4" W x 2-1/8" D (10.1 H x 10.1 W x 5.4 D cm) *with* **Raco 778 2-Gang Trim Ring** 4" square cover, raised ¾" (10.1 cm square cover, raised 1.9 cm) 2-½" deep
7967-VP/7967-S/7967-M	Staff/Duty/Workflow/Nurse Terminal	8.3" x 6.8" x 1.8" (21 x 23.3 x 7.6 cm) **Footprint**: 56.4 in² (364 cm²)			Wall Mounted on factory furnished 9769 Wall Bracket: **Raco 232 4" Square Backbox** 4" H x 4" W x 2-1/8" D (10.1 H x 10.1 W x 5.4 D cm) with **Raco 778 2-Gang Trim Ring** 4" square cover, raised ¾" (10.1 cm square cover, raised 1.9 cm) **Masonry**: **Raco 691 2-Gang masonry Box** 2-½" deep

Table 18: Mounting Equipment

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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 AND 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. THE PLACING OF CABLE TIES SHALL NOT DEFORM THE CABLES.
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 THAT 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.

LOW VOLTAGE SYSTEMS ELECTRICAL COORDINATION NOTES

1. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ELECTRICAL WORK REQUIRED BY THE LOW VOLTAGE SYSTEMS REFERENCE DRAWINGS THE LOW VOLTAGE SYSTEMS VENDORS, THE OWNER AND THE GENERAL CONTRACTOR. CONFIRM THESE DRAWINGS ARE THE MOST RECENT WITH THE OWNER PRIOR TO ROUGH-IN.
2. 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 REFERENCE DRAWINGS.
3. 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.
4. THE LOW VOLTAGE SYSTEMS DRAWINGS ARE INCLUDED IN THE CONTRACT DRAWINGS AS REFERENCE DRAWINGS ONLY AND SHALL BE CONSIDERED AN ESSENTIAL COMPONENT OF THE CONTRACT DOCUMENTS. THE DRAWINGS WERE NOT PRODUCED BY CBHF ENGINEERS, PLLC AND ARE PROVIDED FOR INFORMATION ONLY. CBHF ENGINEERS, PLLC ASSUMES NO LIABILITY FOR THE ACCURACY OF THESE DRAWINGS. 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, CONTROL AND COMMUNICATIONS CONDUCTORS, CABLES AND RACEWAYS; EMPTY RACEWAYS; JUNCTION, OUTLET AND PULL BOXES; MOUNTING HARDWARE; FINAL CONNECTIONS; CONNECTION HARDWARE; TESTING AND TESTING SUPPORT; ETC., FOR THE LOW VOLTAGE SYSTEMS EQUIPMENT AS SHOWN ON THE CONTRACT DRAWINGS AND THE LOW VOLTAGE SYSTEMS DRAWINGS.
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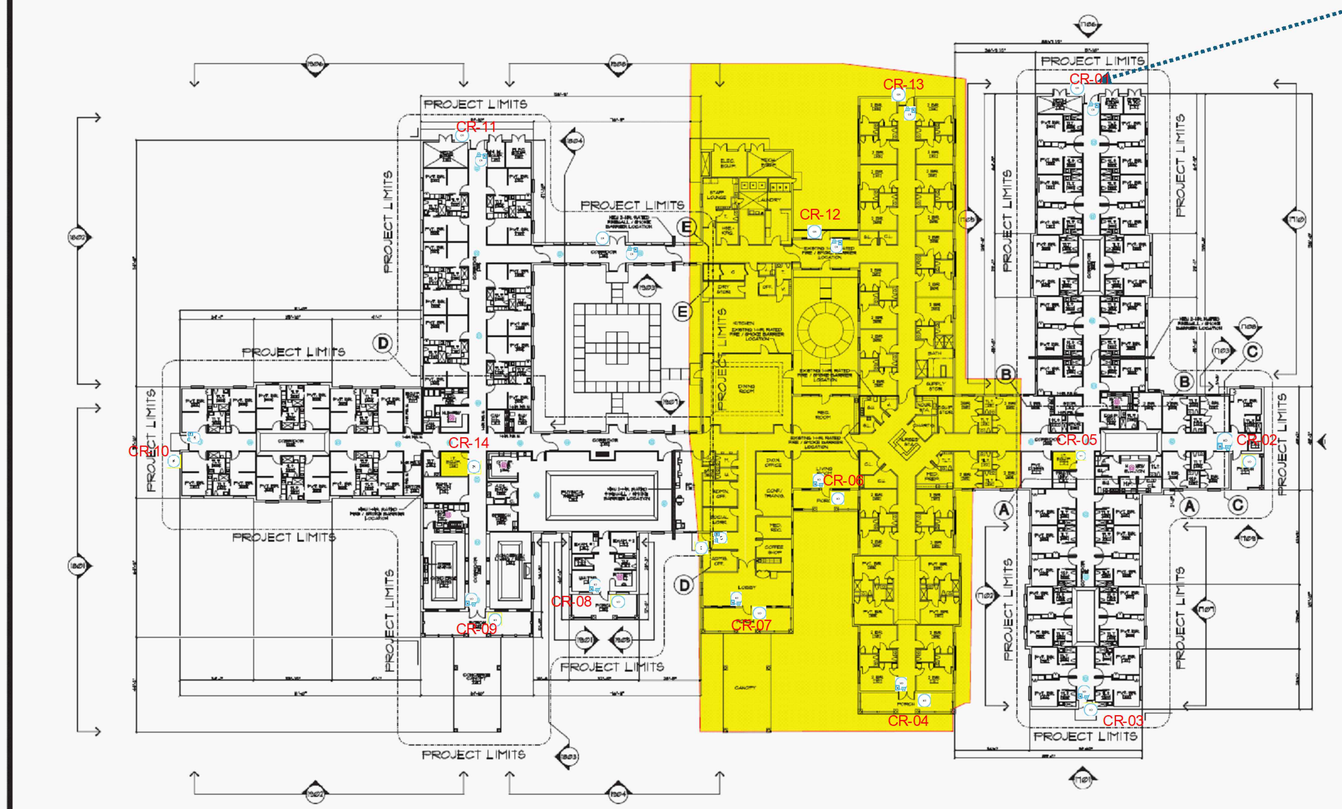
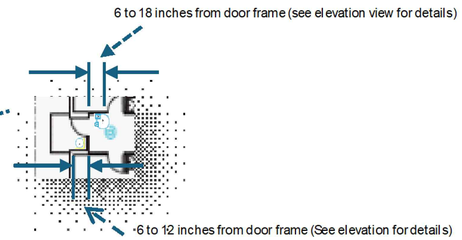
NORTH CAROLINA PROFESSIONAL SEAL 8433 ENGINEER REGISTERED
8/25/2025

ISSUED FOR CONSTRUCTION
08-26-2025

Town Center Double Addition …Access Control (14 Doors)



RECESSED DOOR TYPICAL



Access Control …

PERIMERTER DOORS…. 100% ***Mag Lock***

Note: ONLY ON DOORS THAT ALLOW ENTRY INTO INTERIOR OF BUILDING

- Outside door
  - Card Reader with in 18 # of handle side of door
- Inside Door
  - Card Reader
  - Mag Lock
  - Sounder

INTERIOR DOORS… 100% ***Strike***

- Card Reader in Hall
- Push to exit in space
  - IT Closets
  - Med Rooms

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PRUITT HEALTH
TOWN CENTER
Harrisburg, North Carolina

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

57 BEDROOM ADDITION /RENOVATION

ACCESS CONTROL PLAN

ER 1.7

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NC# P-0506
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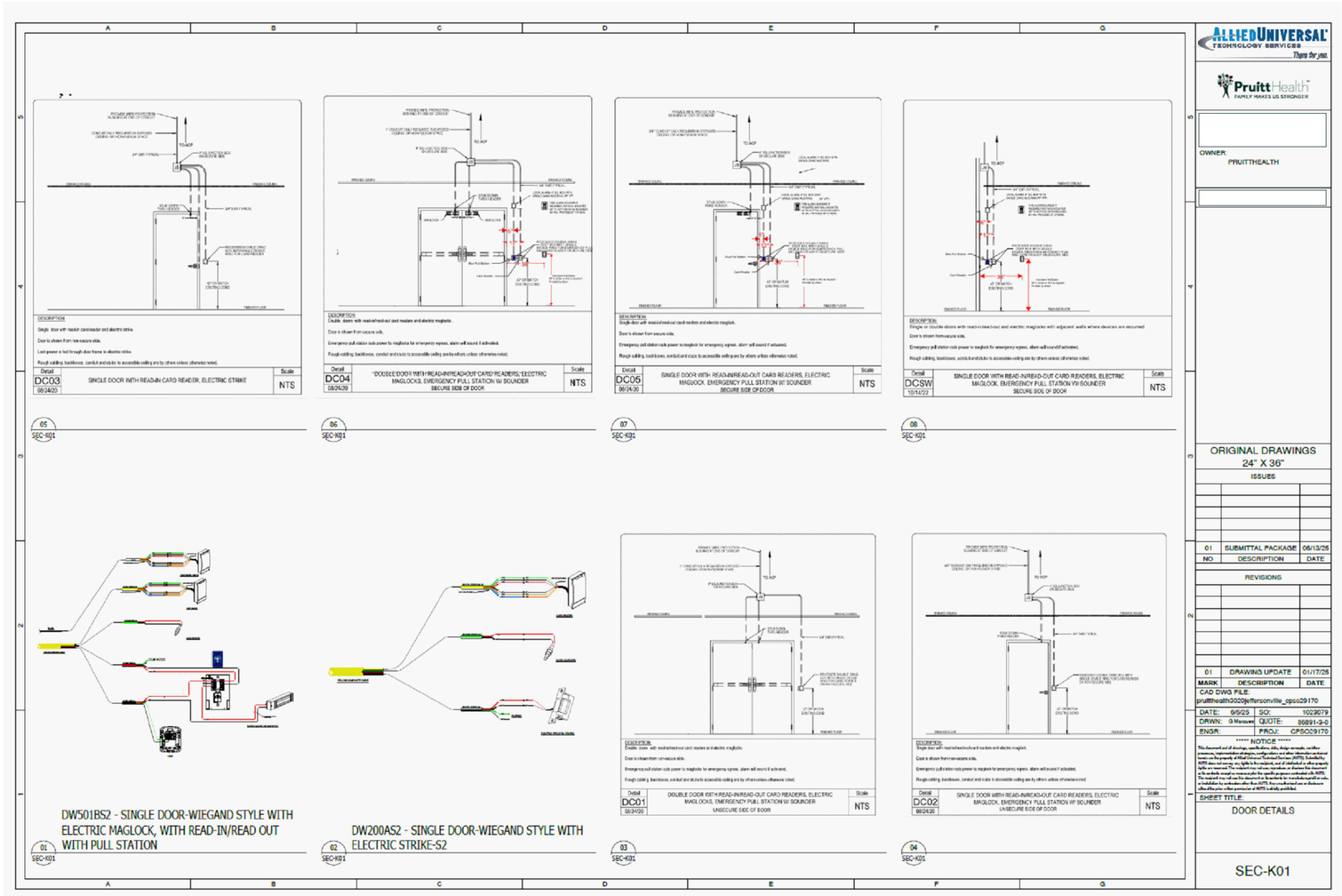
NORTH CAROLINA PROFESSIONAL SEAL 8433 ENGINEER
8/25/2025

ISSUED FOR CONSTRUCTION
08-26-2025



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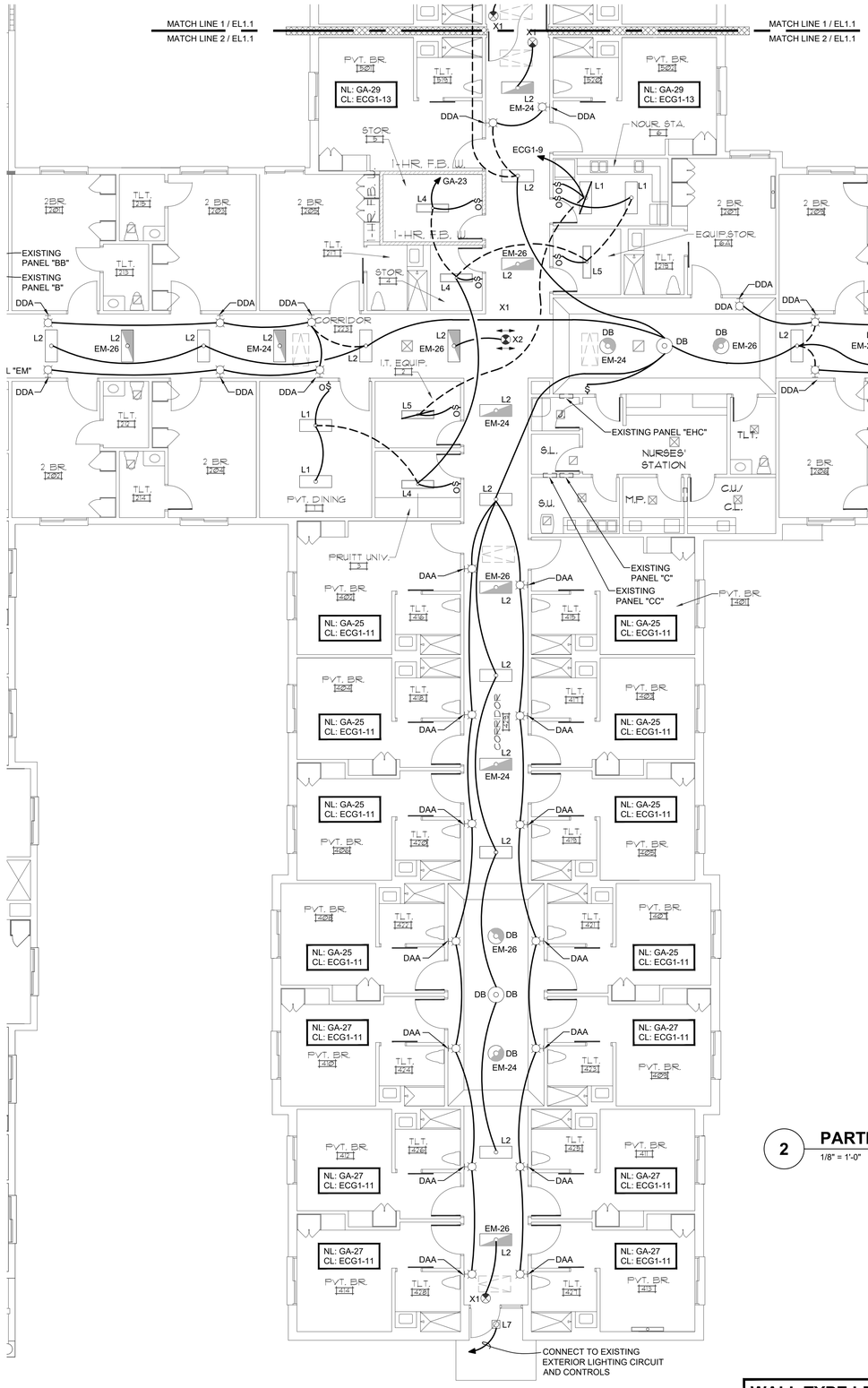
57 BEDROOM ADDITION /RENOVATION

ACCESS CONTROL DOOR DETAILS

ER 1.8

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

PLAN NORTH

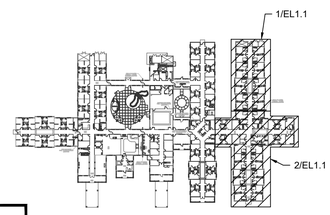


2 **PARTIAL ELECTRIAL LIGHTING PLAN**
1/8" = 1'-0"

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**
NOT TO SCALE

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NORTH CAROLINA PROFESSIONAL SEAL 8433 ENGINEER BRIAN M. FRENCH
8/25/2025

ISSUED FOR CONSTRUCTION
08-26-2025

PRUITT HEALTH
TOWN CENTER
Harrisburg, North Carolina

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

57 BEDROOM ADDITION /RENOVATION
PARTIAL ELECTRICAL LIGHTING PLAN

EL 1.1

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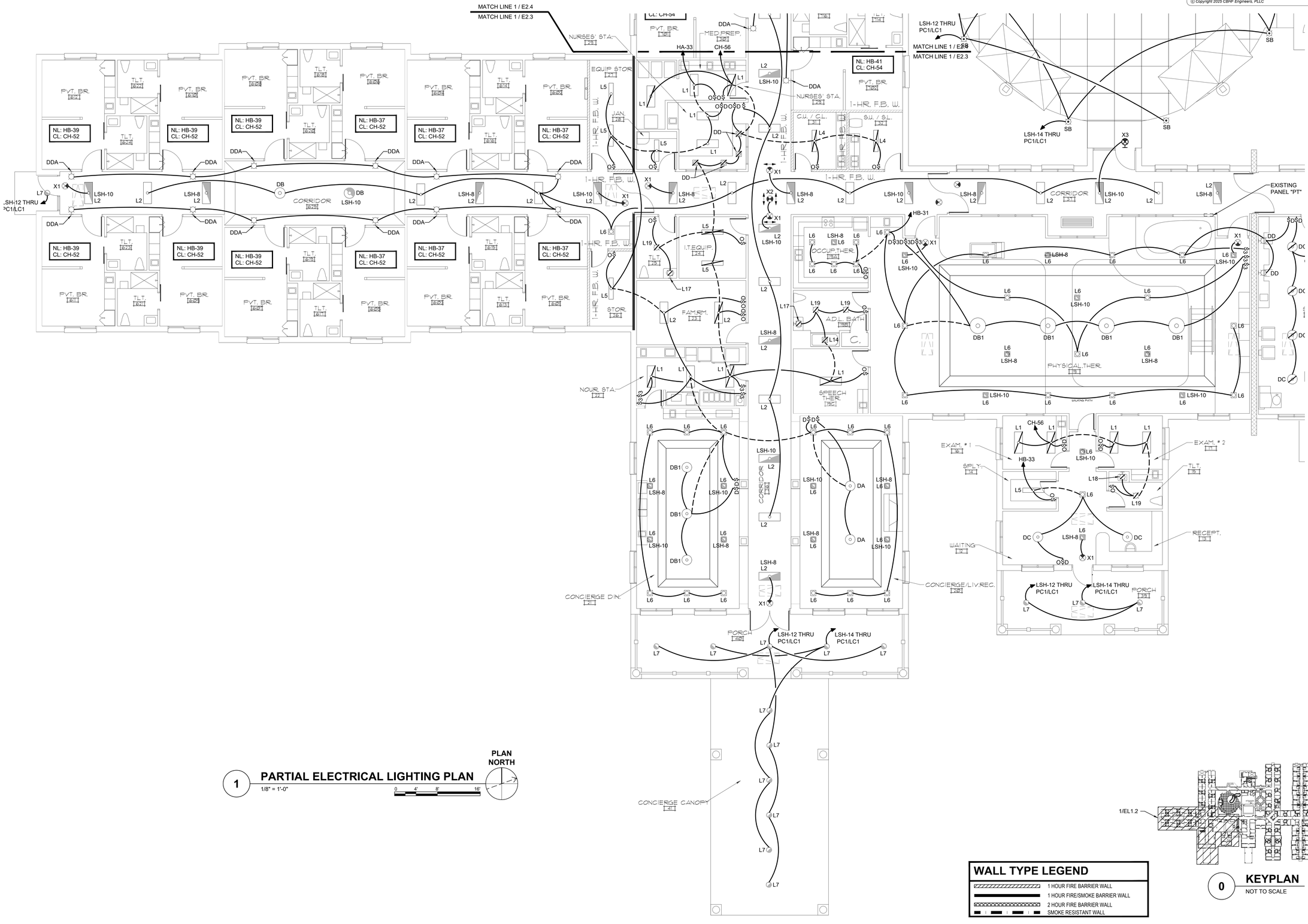
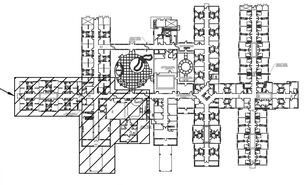


1 **PARTIAL ELECTRICAL LIGHTING PLAN**
1/8" = 1'-0"
0 4' 8' 16'

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

NORTH CAROLINA PROFESSIONAL SEAL 8433 ENGINEER BRIAN M. WERNER REGISTERED
8/25/2025

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57 BEDROOM ADDITION /RENOVATION

PARTIAL ELECTRICAL LIGHTING PLAN

EL 1.2

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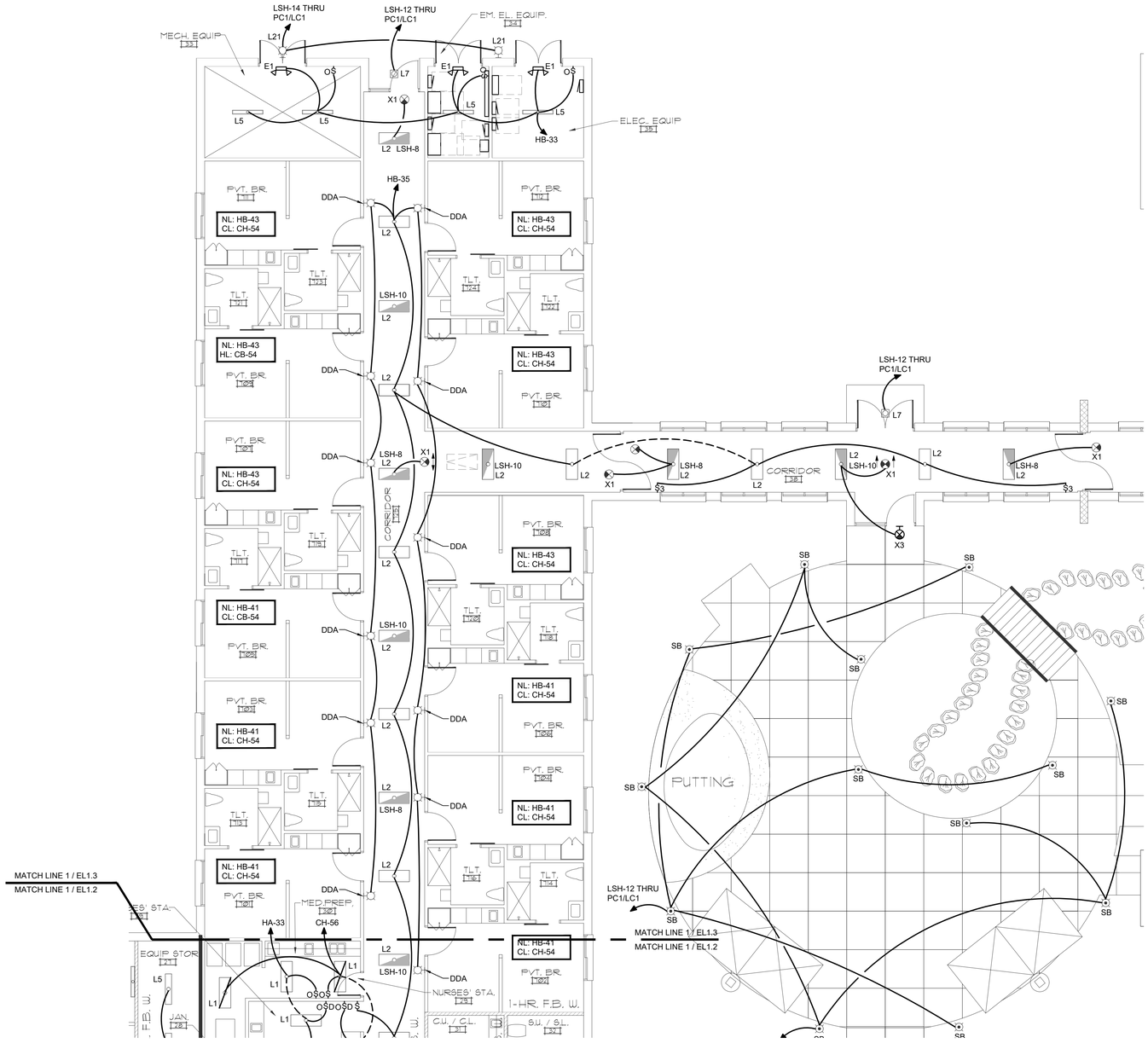
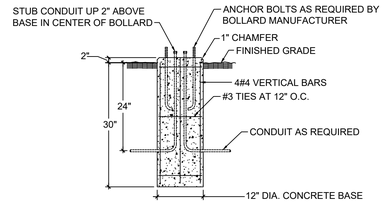


1 PARTIAL ELECTRICAL LIGHTING PLAN
1/8" = 1'-0"

PLAN NORTH

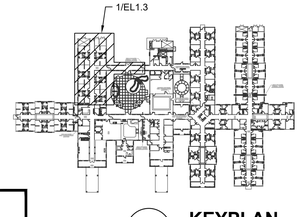


NOTE: ALL CONCRETE WORK SHALL CONFORM TO SPECIFICATIONS AND SHALL BE 3000 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS

2 TYPE "SB" BOLLARD BASE DETAIL
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



0 KEYPLAN
NOT TO SCALE

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Architecture Planning Design

57 BEDROOM ADDITION /RENOVATION

PRUITT HEALTH
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PARTIAL ELECTRICAL LIGHTING PLANS

EL 1.3

NORTH CAROLINA PROFESSIONAL SEAL 8433 ENGINEER BRIAN M WEAVER
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NORTH CAROLINA PROFESSIONAL SEAL 8433 ENGINEER BENJAMIN M. FOWLER
8/25/2025

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ATTIC ACCESS PANEL
ATTIC ACCESS PANEL
ATTIC ACCESS PANEL
ATTIC ACCESS PANEL, TYPICAL
ATTIC ACCESS PANEL
ATTIC ACCESS PANEL, TYPICAL
LOCATION
PUTTING
THREE WAY PILOT LIGHT SWITCH, TYPICAL
FOUR WAY PILOT LIGHT SWITCH
THREE WAY PILOT LIGHT SWITCH, TYPICAL
SINGLE POLE PILOT LIGHT SWITCH, TYPICAL
X-X
E-X
L22
S3P
S4P
S1P
1-HR. F.B. W.

1 ELECTRICAL ATTIC LIGHTING FLOOR 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

PRUITT HEALTH
TOWN CENTER
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57 BEDROOM ADDITION /RENOVATION

ELECTRICAL ATTIC LIGHTING FLOOR PLAN

EL 1.4

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
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 FACU 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 SYSTEM FLOW SWITCH (ES)	X	X			X			X	X	X
SPRINKLER RISER #1 SYSTEM TAMPER SWITCH (ES)				X		X		X		
SPRINKLER RISER #1 PRESSURE SWITCH (ES)				X		X		X		
SPRINKLER RISER #1 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.

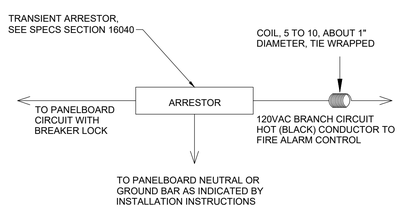
FIRE ALARM LEGEND

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)

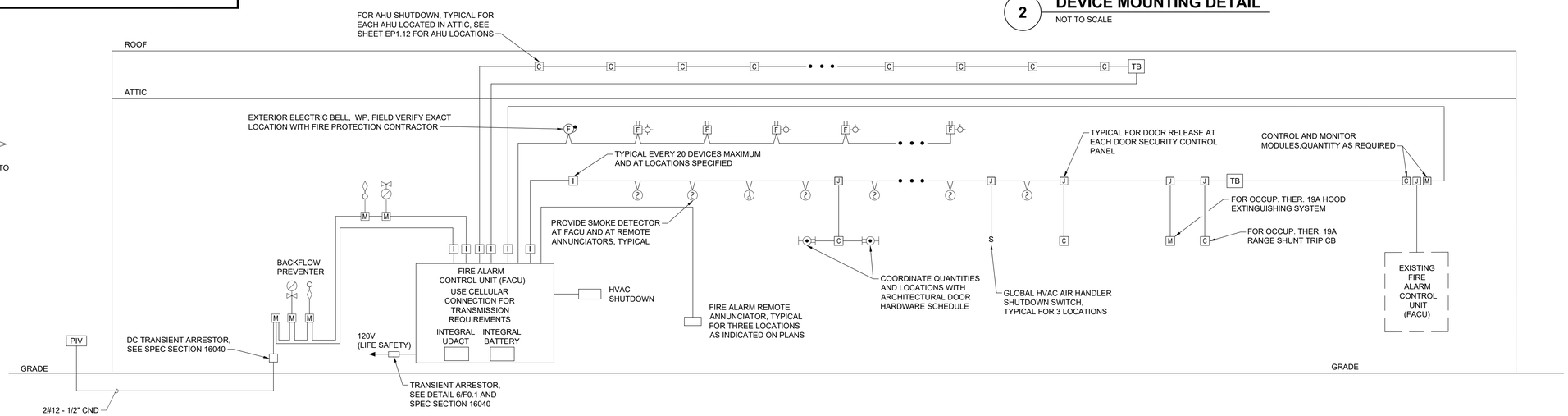
ATTIC LOW VOLTAGE SYSTEMS CABLE INSTALLATION NOTES:

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 AND 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. THE PLACING OF CABLE TIES SHALL NOT DEFORM THE CABLES.
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 THAT 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.



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

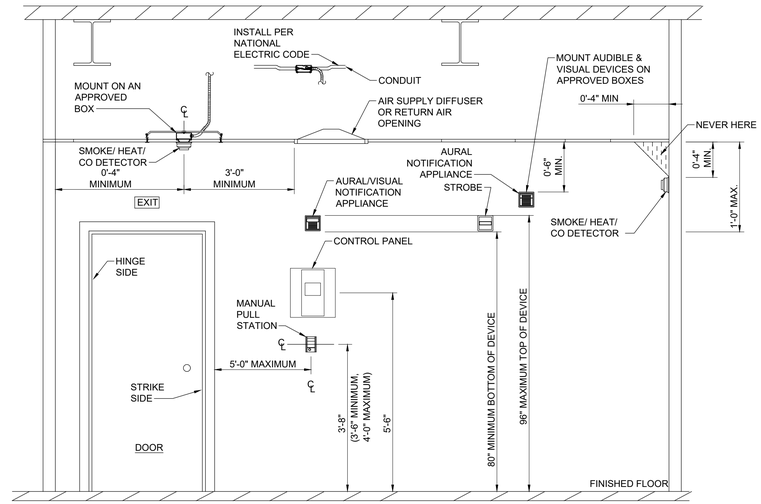
6 TRANSIENT ARRESTOR DETAIL
NOT TO SCALE



1 FUNCTION FIRE ALARM RISER DIAGRAM
NOT TO SCALE

FIRE ALARM RISER DIAGRAM NOTES

1. THE FIRE ALARM RISER DIAGRAM IS DEPICTIVE (FUNCTIONAL) ONLY. ALL DEVICES, EQUIPMENT, CONNECTIONS, ETC. ARE NOT SHOWN.
2. THE EXISTING FIRE DETECTION AND ALARM SYSTEM IS A NOTIFIER AFP-200. THIS PROJECT WILL ADD A NEW FACU IN THE NEW CONCIERGE ADDITION. THE OWNER WILL CONTINUE TO OCCUPY THE EXISTING FACILITY. THE EXISTING NOTIFIER SYSTEM, INCLUDING DEVICES, APPLIANCES AND WIRING, SHALL REMAIN OPERATIONAL AT ALL TIMES. SEE SPECIFICATIONS SECTION 16040. ALL EXISTING DEVICES AND APPLIANCES ARE NOT SHOWN ON THE DRAWINGS.
3. INTERCONNECT THE EXISTING AND NEW FACUs SUCH THAT THE COMMUNICATOR IN THE EXISTING OR NEW FACU REPORTS ALL REQUIRED CHANGES OF STATE, TROUBLES AND SUPERVISORIES IN BOTH FACUs TO THE OWNER'S CENTRAL STATION AND LOCAL ALARM ANNUNCIATION IS PROVIDED THROUGHOUT THE FACILITY REGARDLESS OF FACU SOURCE. REPROGRAM THE EXISTING FACU AS REQUIRED.
4. THE EXISTING FIRE ALARM REMOTE ANNUNCIATORS (FARA) SHALL BE MODIFIED TO INCLUDE THE NEW ADDITION. THE NEW AND MODIFIED FARAs SHALL INDICATE THE EXISTING AND NEW SYSTEM STATUS, TROUBLES, SUPERVISORIES AND ALARMS BY SMOKE COMPARTMENT ZONE.
5. THE NEW FACU SHALL BE ENERGIZED, TESTED AND OPERATIONAL TO SERVE NEW ADDITION UPON COMPLETION OF THE WORK. THE CONTRACTOR SHALL TEST THE EXISTING AND NEW SYSTEMS TO NFPA 72, LOCAL JURISDICTION STANDARDS AND TESTING STANDARDS DESCRIBED IN SPECIFICATIONS SECTION 16040.
6. TYPICAL INITIATING DEVICE ZONE SHOWN. PROVIDE ZONING AS REQUIRED BY NCSBC OR THE AHJ. SEE FIRE ALARM ZONE PLAN SHEET F0.2.
7. SPRINKLER RISER ROOM FA REMOTE ANNUNCIATOR MAY BE DELETED IF APPROVED BY AHJ.
8. 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.
9. INSTALL PLACARDS ON THE EXISTING AND NEW FACUs DESCRIBING THE ABOVE OPERATION.
10. SEE SPECIFICATIONS SECTION 16040 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.



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

2 DEVICE MOUNTING DETAIL
NOT TO SCALE

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8/25/2025

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08-26-2025

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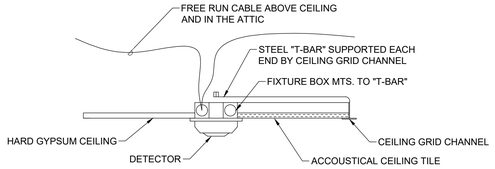
Architecture Planning Design

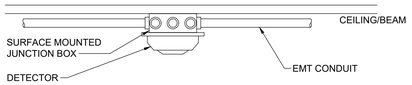
57 BEDROOM ADDITION /RENOVATION
FIRE ALARM NOTES, AND DETAILS

F 0.1



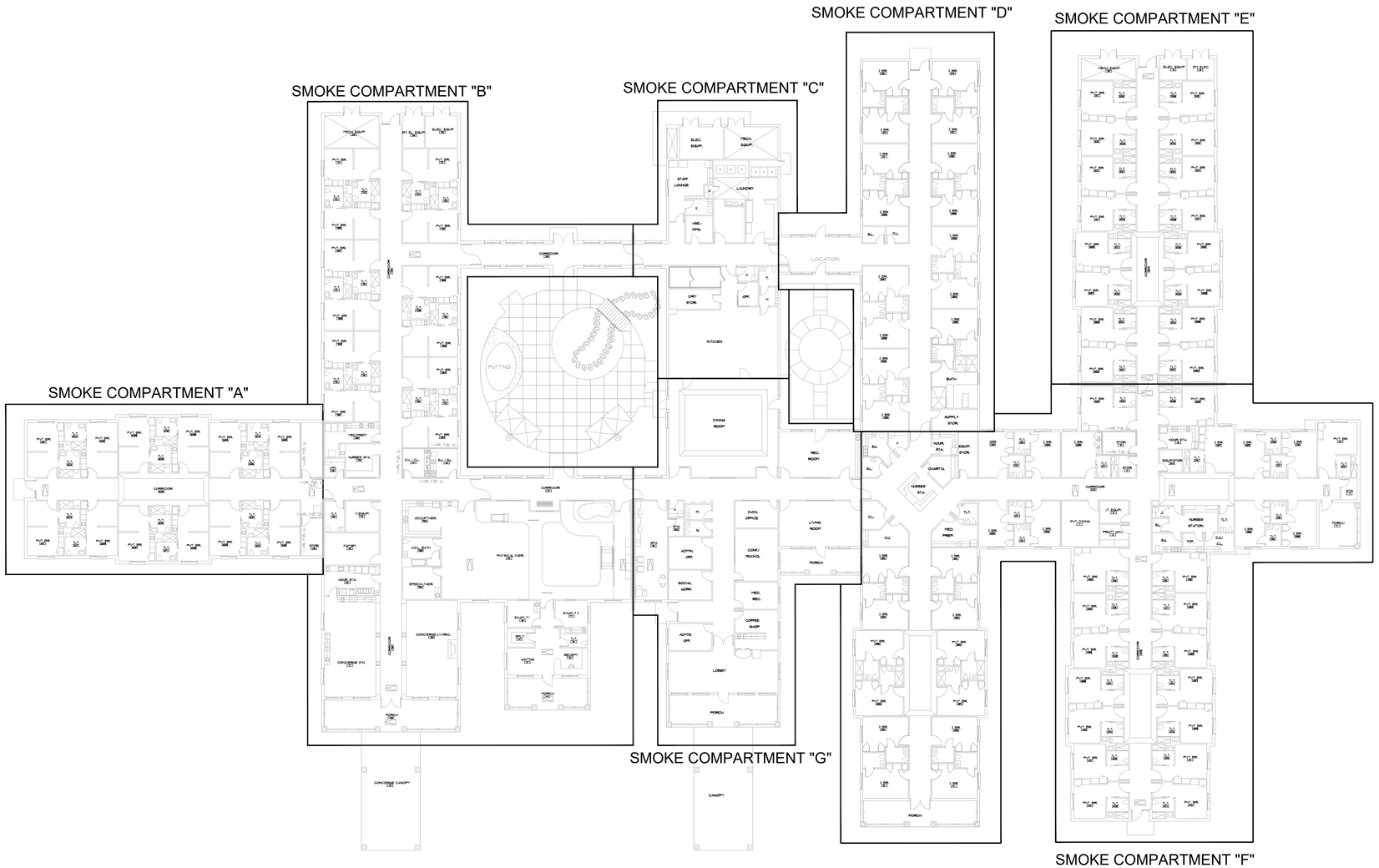
2 TYPICAL CEILING MOUNTED DEVICE DETAIL

NOT TO SCALE



3 TYPICAL SURFACE MOUNTED DEVICE DETAIL

NOT TO SCALE



NOTE:
EXISTING SMOKE COMPARTMENT NOTIFICATION APPLIANCE ZONING HAS NOT BEEN CONFIRMED. PROVIDE NEW ADDITIONS AND CONCIERGE NOTIFICATION APPLIANCE ZONING AS SHOWN. OPERATION SHALL BE AS REQUIRED BY THE NORTH CAROLINA STATE BUILDING CODE, DHSR AND LOCAL CODE OFFICIALS.

PLAN NORTH

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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NORTH CAROLINA PROFESSIONAL SEAL 8433 ENGINEER BRIAN C. HUNTSMAN

8/25/2025

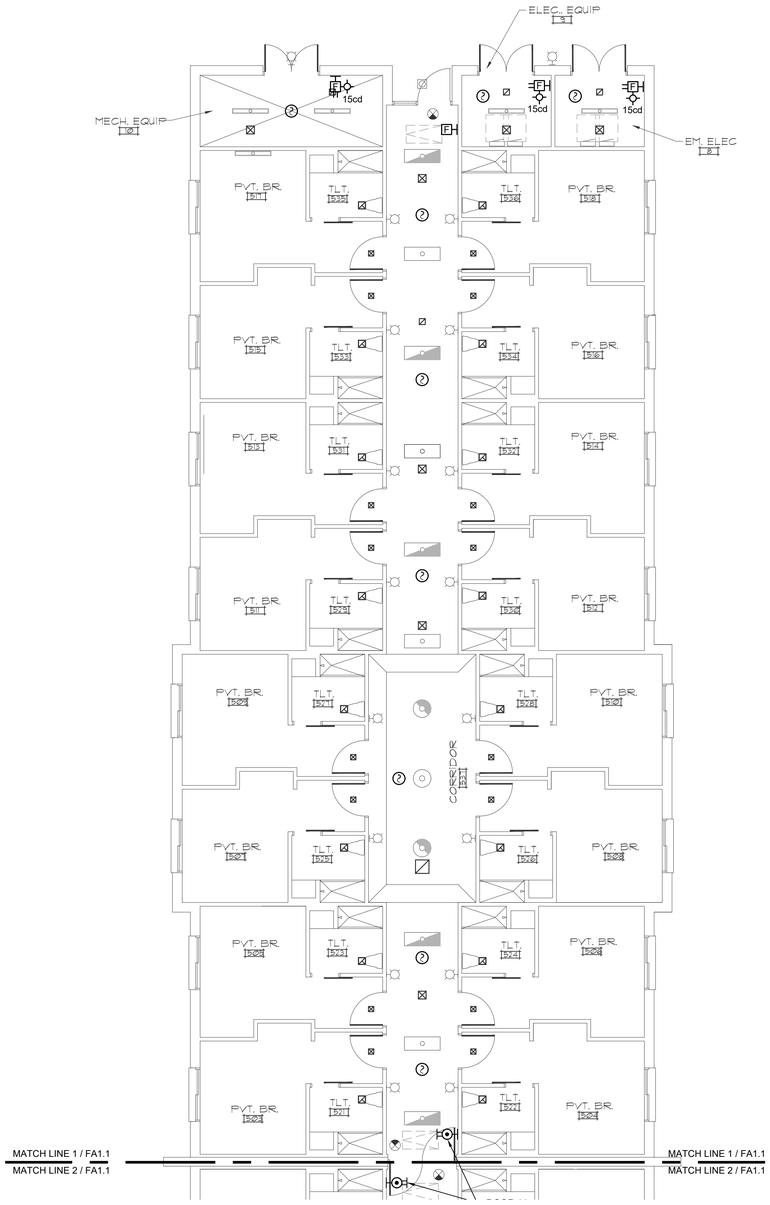
ISSUED FOR CONSTRUCTION
08-26-2025

PRUITT HEALTH
TOWN CENTER
Harrisburg, North Carolina

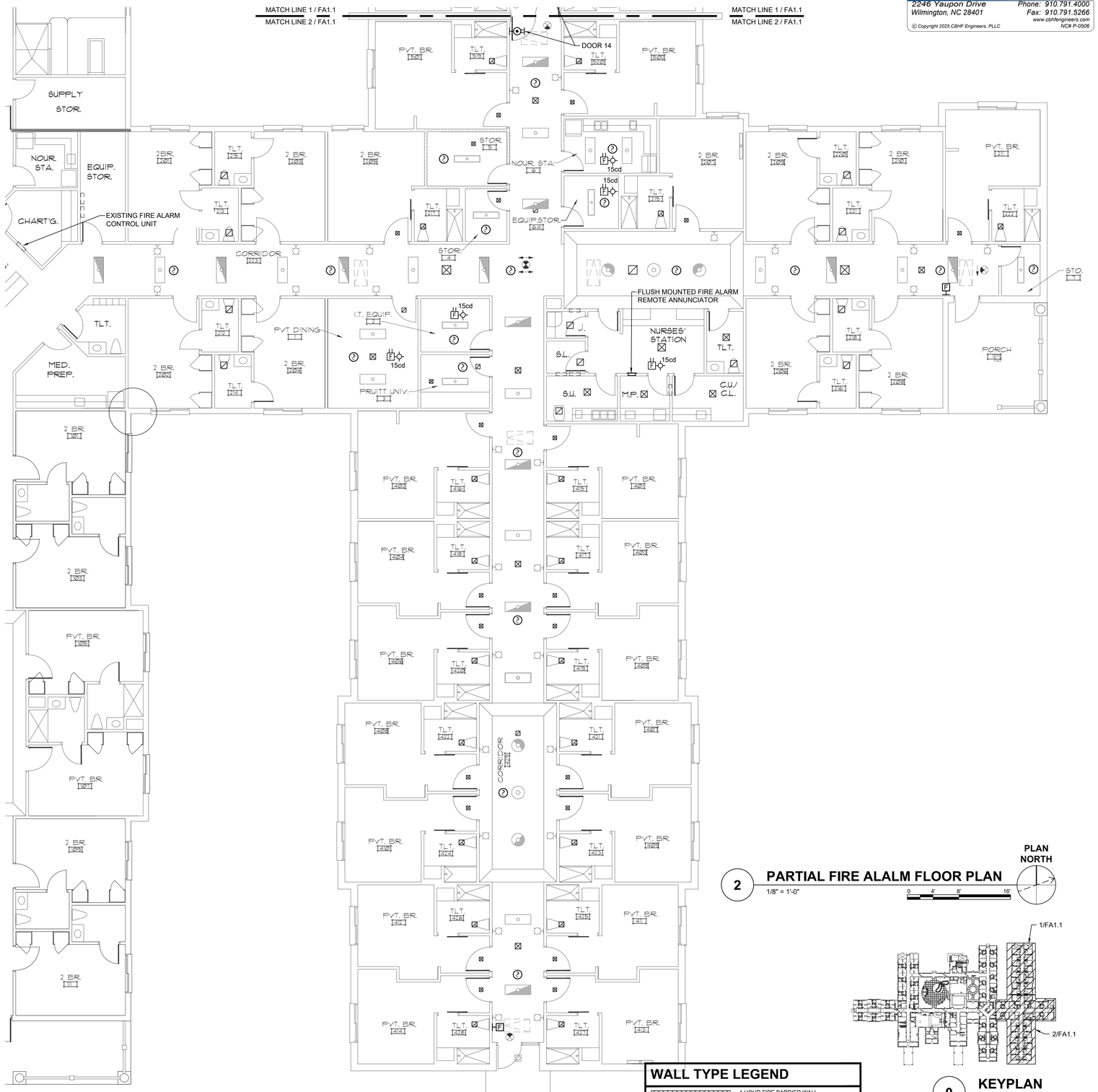
David R. Polston - Architect
3806 Park Ave. Suite C, Wilmington, NC 28403
Architecture Planning Design

57 BEDROOM ADDITION /RENOVATION
FIRE ALARM NOTES AND ZONE PLAN

F
0.2



1 **PARTIAL FIRE ALARM FLOOR 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

2 **PARTIAL FIRE ALALM FLOOR PLAN**
1/8" = 1'-0"
PLAN NORTH

0 **KEYPLAN**
NOT TO SCALE

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57 BEDROOM ADDITION /RENOVATION
FIRE ALARM
PARTIAL FLOOR PLANS

FA 1.1

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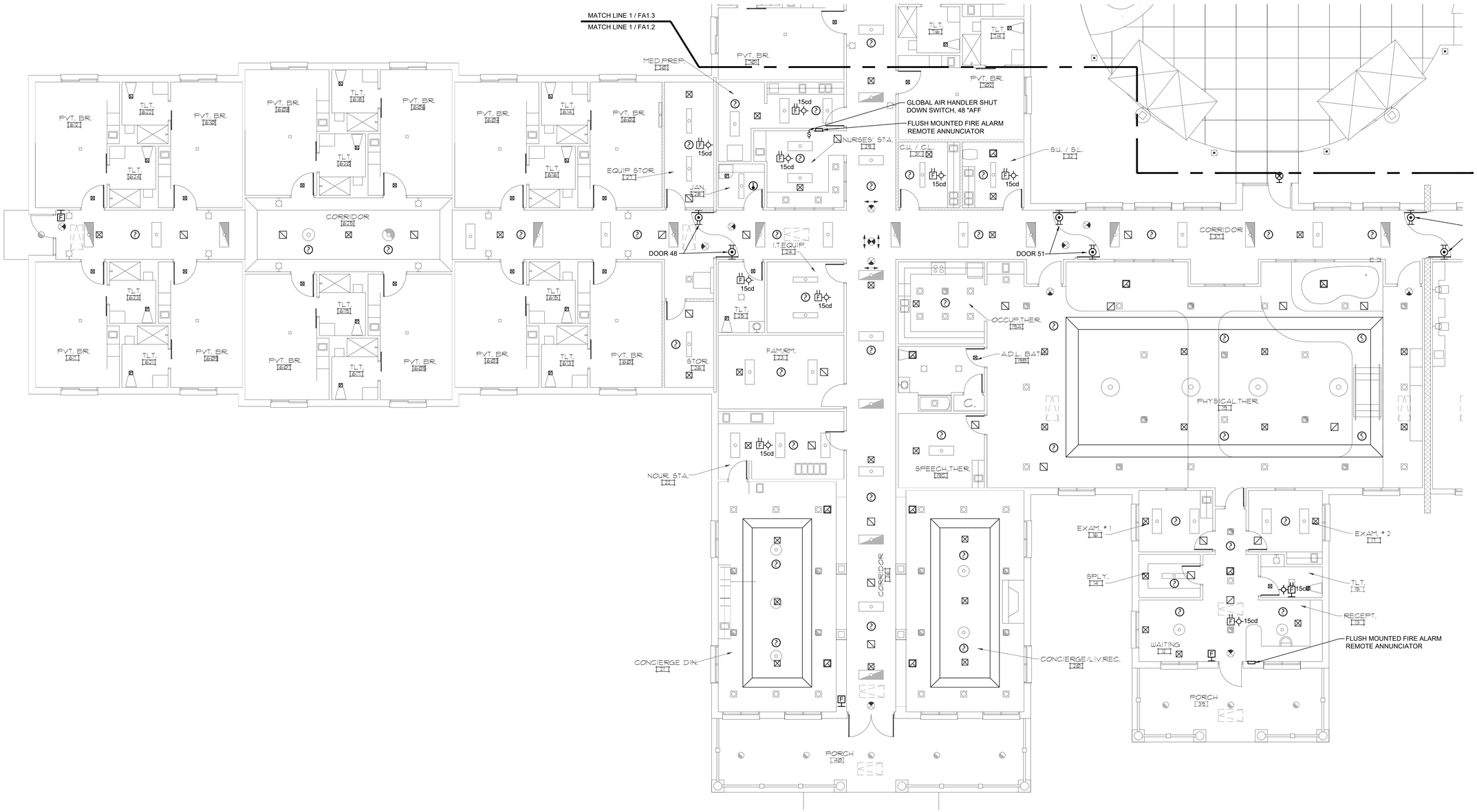

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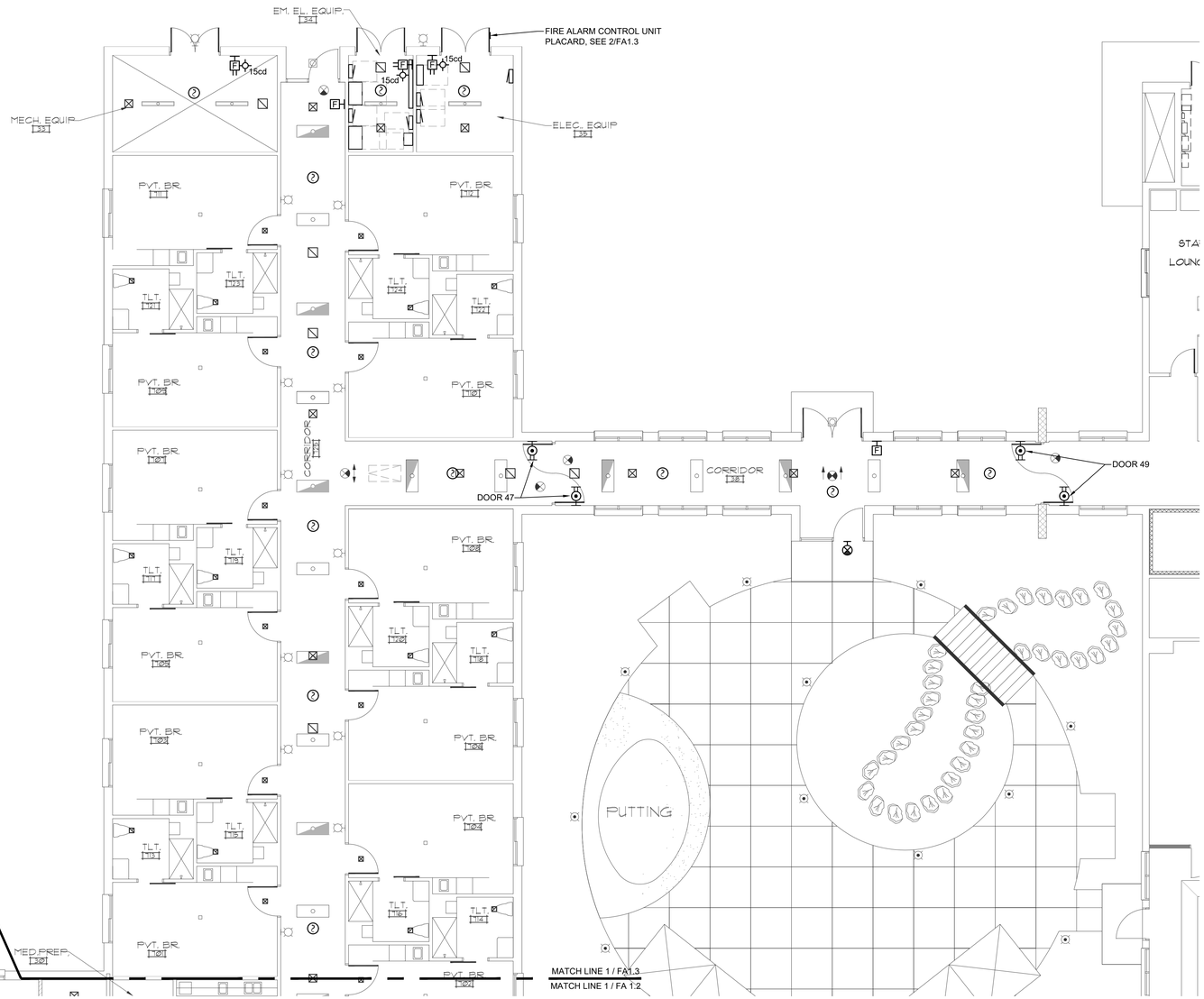
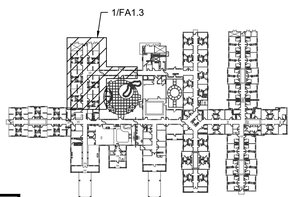


1 **PARTIAL FIRE ALARM FLOOR PLAN**
1/8" = 1'-0"
0 4' 8' 16'
PLAN NORTH

2 - FIRE ALARM CONTROL UNIT PLACARD DETAIL
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



0 **KEYPLAN**
NOT TO SCALE

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TOWN CENTER
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57 BEDROOM ADDITION /RENOVATION
FIRE ALARM
PARTIAL FLOOR PLAN

FA 1.3