ELECTRICAL SYMBOL LEGEND

3,1 A	HOMERUN TO PANEL "A", CIRCUITS 1 and 3
HP–1,2	INDICATES HOMERUN TO HOUSE POWER PANEL "HP–1", CIRCUIT #2
	UNDERFLOOR CONDUIT/WIRE
	CONDUIT SHOWN WITHOUT SLASH MARKS SHALL CONTAIN 2 #12AWG CONDUCTORS IN 3/4" CONDUIT UNLESS SPECIFIC EQUIPMENT REQUIRES A DIFFERENT SIZE
1,3,5 A	HOME RUN TO BRANCH CIRCUIT PANELBOARD. THE PANELBOARD DESIGNATION IS SHOWN ADJACENT TO THE HOME RUN ARROW AND THE CIRCUIT DESIGNATION IS SHOWN BEHIND THE ARROW. CIRCUIT BREAKER SIZES (AMPS/NUMBER OF POLES) ARE SHOWN IN THE PANELBOARD SCHEDULE WITH THE CORRESPONDING PANELBOARD AND CIRCUIT DESIGNATION. EXAMPLE: HOME RUN TO PANELBOARD A; CIRCUITS 1, 3, 5.
$a	SWITCH – SINGLE POLE – LOWER CASE LETTER "a" INDICATES THIS SWITCH TO CONTROL LIGHT FIXTURES DESIGNATED WITH LOWER CASE "a".
$OS	DUAL TECHNOLOGY WALL SWITCH SENSOR WITH DUAL RELAY AND DAYLIGHT SENSOR, SINGLE GANG, SINGLE POLE, 400 SQ FT COVERAGE, ABILITY TO SWITCH BETWEEN MANUAL/AUTO ON WITH SETTINGS OF THE SWITCH DEPENDING ON ROOM AND ENERGY CODE.
OS	DUAL TECHNOLOGY WALL DIMMING SENSOR WITH DUAL RELAY AND DAYLIGHT SENSOR, SINGLE GANG, SINGLE POLE, 400 SQ FT COVERAGE, ABILITY TO SWITCH BETWEEN MANUAL/AUTO ON WITH SETTINGS OF THE SWITCH DEPENDING ON ROOM AND ENERGY CODE.
a	WALL BOX DIMMER 0–10 VOLTS WITH SWITCH, MOUNTED 48" A.F.F. – LOWER CASE LETTER "a" INDICATED THIS SWITCH TO CONTROL LIGHT FIXTURES DESIGNATED WITH LOWER CASE "a".
(OS) a	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR a – INDICATES FIXTURE CONTROL
(PP) a	LINE VOLTAGE POWER PACK. WIRE ALL RELATED SENSORS TO POWER PACK FOR ROOM LIGHTING CONTROL
(SP)	SPECIAL PURPOSE RECEPTACLE – SEE PLANS FOR DESCRIPTIONS
	DUPLEX RECEPTACLE – MOUNTED AT 18" A.F.F. VERIFY EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH–IN.
	DUPLEX RECEPTACLE – TOP SWITCHED, BOTTOM CONTINUOUS
	DOUBLE DUPLEX (QUADPLEX) RECEPTACLE
G	DUPLEX RECEPTACLE – G.F.C.I. TYPE
84"	DUPLEX RECEPTACLE MOUNTED AT 84" A.F.F., OR AS INDICATED ON DRAWING
	DUPLEX RECEPTACLE – MOUNTING AT 48" A.F.F.
C	DUPLEX RECEPTACLE – MOUNTED AT 7" ABOVE COUNTERTOP
G WP	WEATHERPROOF DUPLEX RECEPTACLE, WITH GFCI PROTECTION, MOUNTING AT 24" ABOVE FINISHED GRADE
	DUPLEX RECEPTACLE – FLOOR MOUNTED
A4	THE LIGHTING FIXTURE TYPE IS INDICATED BY AN UPPER CASE LETTER.
C	SURFACE LIGHT FIXTURE – WALL MOUNTED TYPE "C"
B	LIGHT FIXTURE TYPE "B"
	LIGHTS ARE CIRCUITED TO PANEL ON THE GENERATOR, EITHER LIFE SAFETY OR CRITICAL PANEL. THIS SHADING INDICATES SEPARATE LIFE SAFETY OR CRITICAL LIGHTING ZONE. LIGHTING CONTROL TO INCLUDE UL924 TRANSFORMER WITH NORMAL SENSE PER CODE INTEGRAL TO DISTRIBUTED LIGHTING CONTROL SYSTEM.
	EXIT SIGN – CEILING MOUNTED
	EXIT SIGN – WALL MOUNTED, LOCATE SO THAT SIGN IS VISIBLE THROUGH BEAM AND SOFFIT DROPS, PROVIDE PENDANT MOUNTING HARDWARE IF REQUIRED
	CIRCUIT BREAKER PANELBOARD
	SINGLE OR THREE PHASE MOTOR – SEE DRAWINGS FOR DESCRIPTION
	UNFUSED DISCONNECT SWITCH
	FUSED DISCONNECT SWITCH
	COMBINATION MAGNETIC MOTOR STARTER/DISCONNECT SWITCH
J	JUNCTION BOX – SIZE AND MOUNTING HEIGHT/LOCATION AS REQUIRED
	CONDUIT TURNED UP/CONDUIT TURNED DOWN
WP	WEATHERPROOF
U.O.N.	UNLESS OTHERWISE NOTED
E.C.	ELECTRICAL CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
HVAC	HEATING VENTILATION AND AIR CONDITIONING
A.F.F.	ABOVE FINISHED FLOOR

FIRE ALARM SYMBOL LEGEND

F	FIRE ALARM PULL STATION – AT 48" A.F.F., SEMI–FLUSH MOUNT
F	FIRE ALARM HORN WITH FLASHING STROBE LIGHT – MOUNTING AT 80" A.F.F.
	FIRE ALARM (VISUAL ONLY) FLASHING STROBE LIGHT – MOUNTING AT 80" A.F.F.
FACP	FIRE ALARM CONTROL PANEL – MOUNTING AT 54" AFF
FARA	FIRE ALARM REMOTE ANNUNCIATOR PANEL – MOUNTING AT 54" AFF
TS	DUCT MOUNTED SMOKE DETECTOR IN RETURN DUCT WORK. PROVIDE KEYED TEST/RESET, AUDIO/VISUAL ALARM AT 10'–0" AFF ROOFTOP UNIT SHALL BE WIRED TO SHUT DOWN UPON ALARM
TS FS	FIRE ALARM SPRINKLER SYSTEM TAMPER SWITCH/FLOW SWITCH
S	PHOTOELETRONIC, DUCT TYPE, SMOKE DETECTOR WITH SAMPLING TUBES AS REQUIRED, CONNECTED TO CLOSE RESPECTIVE DAMPER AND NOTIFY FIRE ALARM SYSTEM. MOUNT IN DUCTWORK PER MANUFACTURER'S RECOMMENDATION.
K	REMOTE POWER/ALARM INDICATOR/KEY SWITCH, INDICATES POWER ON CONDITION, MOMENTARY CONTACT SWITCH ACTUATES ALARM RELAY AND REMOTE L.E.D., FLUSH MOUNTED AT LOCATION INDICATED ON PLANS.
G	GAS VALVE, FURNISHED & INSTALLED BY PLUMBING CONTRACTOR, CONNECTED TO KITCHEN HOOT CONTROL SYSTEM AND FIRE ALARM SYSTEM BY ELECTRICAL CONTRACTOR.
P	PRESSURE SWITCH, FURNISHED & INSTALLED BY SPRINKLER CONTRACTOR, CONNECTED BY ELECTRICAL CONTRACTOR.
	FIRE ALARM SYSTEM SMOKE DETECTOR – WALL OR CEILING MOUNTED – U.O.N.
H	FIRE ALARM SYSTEM HEAT DETECTOR
LF	FIRE ALARM SYSTEM SMOKE DETECTOR WITH LOW FREQUENCY SOUNDER BASE
S	FIRE ALARM SYSTEM SMOKE DETECTOR, CEILING MOUNTED, PHOTO–ELECTRONIC TYPE.

NURSE CALL SYMBOL LEGEND

M	MASTER STATION
U	UPS FOR MASTER STATION
DS	DUTY STATION
N	BATH STATION WITH CORD
B	PATIENT BED STATION WITH CALL CORD
	DOME LIGHT –CORRIDOR NURSE CALL SYSTEM CALL LIGHT UNIT
R	REPEATER LOCATOR
R6	RECEIVER WITH 6 RELAY OUTPUTS FOR DOME LIGHTS
R9	RECEIVER WITH 9 RELAY OUTPUTS FOR DOME LIGHTS
T	RECEIVER
PS	POWER SUPPLY

SECURITY SYSTEM SYMBOL LEGEND

DC	DOOR CONTACT, PROVIDED BY OTHERS. PROVIDE JUNCTION BOX AS REQUIRED AND 1/2"C STUBBED ABOVE CEILING AND TERMINATE WITH INSULATED BUSHING.
KP	KEYPAD, PROVIDED BY OTHERS. PROVIDE 4" SQUARE EXTRA DEEP BOX WITH SINGLE GANG PLASTER RING. STUB 1/2"C ABOVE CEILING & TERMINATE WITH INSULATE BUSHING.
ES	ELECTRIC STRIKE, PROVIDED BY OTHERS. PROVIDE ROUGH–INS AS REQUIRED AND 1/2"C STUBBED ABOVE CEILING & TERMINATE WITH INSULATE BUSHING.
	TELECOMMUNICATION MAIN GROUNDING BAR, HARGER GBI SERIES. INSTALL IN MDF AND IDF LOCATIONS.
DH	ELECTROMAGNETIC DOOR HOLDER WITH MOUNTING HARDWARE FOR WALL OR CEILING OR FLOORS AS REQUIRED IN FIELD.

TELEPHONE / DATA / CABLE TV SYMBOL LEGEND

	TELEPHONE/CATV TERMINAL BACKBOARD, 3/4"D. FLAME RETARDANT PLYWOOD.
TV	TELEVISION OUTLET BOX, 4 X 2–1/8 WITH PLASTER RING IN FINISHED AREAS/ STUB 1" CONDUIT INTO PLENUM SPACE ABOVE LAY–IN CEILING + TERMINATE WITH INSULATED BUSHING. INSTALL (1) QUAD–SHIELD RG6 CABLE. SEE NOTES ON THIS SHEET.
W	TELEPHONE OUTLET BOX, 2 X 4 X 2–1/8 WITH PLASTER RING IN FURNISHED AREAS. STUB 1" CONDUIT INTO PLENUM SPACE ABOVE LAY–IN CEILING & TERMINATE WITH INSULATED MOUNTED 18" A.F.F. UNLESS INDICATED OTHERWISE. W=WALL MOUNTED +44" INSTALL (1) GRAY VOICE CABLE. SEE NOTES ON THIS SHEET.
C	COMBINATION TELEPHONE/DATA OUTLET MOUNTING AT 18" A.F.F. (C – INDICATES OUTLET TO BE MOUNTED 7" ABOVE COUNTER). PROVIDE (2) RJ45 – CATEGORY 6 OUTLETS.
	DATA/TELEPHONE OUTLET FLUSH MOUNTED IN FLOOR
	WIRELESS ACCESS POINT, INSTALL (1) BLUE DATA CABLE ABOVE CEILING. SEE NOTES ON THIS SHEET.
SS	SOUND SYSTEM CONTROL FOR TV

PAGING / INTERCOM SYMBOL LEGEND

	PAGING SPEAKER, INSTALL (1)16/2 SHIELDED SPEAKER CABLE, SEE NOTES ON THIS SHEET.
T1	TRANSFORMER, 120V–A.C., 12V–D.C. OUTPUT VOLTAGE, 2.5 AMP. AIPHONE CAT.# PT–1225UL
PS	POWER SUPPLY, 24V–A.C., 28 WATTS, 12V–D.C., 1.0 AMP AIPHONE CAT.# PS–1820UL
M	VIDEO INTERCOM MASTER, DESK MOUNTED, WITH COMMUNICATION AND DOOR RELEASE CAPABILITY. AIPHONE CAT.# JK–1MED
M1	VIDEO INTERCOM SUB, SURFACE MOUNTED, W/SEL DOOR RELEASE. AIPHONE CAT.# JK–1HD, MOUNTED AT 54" A.F.F.
I	INTERCOM DOOR STATION, SURFACE MOUNT AT 54" A.F.F. AIPHONE CAT.# JK–DA
R	RELAY 12V–D.C., CONTACT RATING, 110V–A.C., 1 AMP; 24V–D.C., 1 AMP. AIPHONE CAT.# RY–18L

WIRELESS SYSTEM NOTES

1. THE WIRELESS NETWORK SYSTEM SHALL BE PROVIDED AS A DELEGATED DESIGN BY THE OWNER'S PREFERRED VENDOR/INSTALLER. FINAL ACCESS POINT LOCATIONS, EQUIPMENT SELECTION, CABLING REQUIREMENTS, AND SYSTEM PERFORMANCE CRITERIA SHALL BE COORDINATED WITH THE OWNER'S PREFERRED VENDOR PRIOR TO INSTALLATION.
2. ELECTRICAL CONTRACTOR SHALL INSTALL (1) CAT6 CABLE, MINIMUM, TO EACH WIRELESS ACCESS POINT LOCATION INDICATED ON THE DRAWINGS. PROVIDE BLUE JACKETED CABLE. LEAVE 8'–0" OF CABLE NEATLY COILED ABOVE THE CEILING AT EACH WIRELESS ACCESS POINT LOCATION AND 12'–0" OF EXCESS CABLE AT THE TERMINATION LOCATION IN ELECTRIC ROOM C25. LABEL ALL CABLING IN ACCORDANCE WITH THE TECHNOLOGY GENERAL NOTES.
3. ALL CABLING SHALL BE PLENUM RATED AND INSTALLED IN ACCORDANCE WITH APPLICABLE CODES, AUTHORITY HAVING JURISDICTION REQUIREMENTS, AND MANUFACTURER'S RECOMMENDATIONS.
4. WIRELESS ACCESS POINTS, PATCH PANELS, RACK–MOUNTED EQUIPMENT, TERMINATION HARDWARE, TESTING, CERTIFICATION, PROGRAMMING, AND COMMISSIONING SHALL BE FURNISHED AND INSTALLED BY THE OWNER'S PREFERRED VENDOR/INSTALLER UNDER CONTRACT WITH THE ELECTRICAL CONTRACTOR.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL CABLING, PATHWAY, AND TERMINATION REQUIREMENTS WITH THE OWNER'S PREFERRED VENDOR/INSTALLER PRIOR TO ROUGH–IN.

TELEPHONE / DATA SYSTEM NOTES

1. THE TELEPHONE AND DATA CABLING SYSTEM SHALL BE PROVIDED AS A DELEGATED DESIGN BY THE OWNER'S PREFERRED VENDOR/INSTALLER. FINAL OUTLET CONFIGURATIONS, CABLE QUANTITIES, TERMINATION REQUIREMENTS, AND SYSTEM PERFORMANCE CRITERIA SHALL BE COORDINATED WITH THE OWNER'S PREFERRED VENDOR PRIOR TO INSTALLATION.
2. ELECTRICAL CONTRACTOR SHALL INSTALL BLUE DATA CABLES AND GRAY VOICE CABLES AS INDICATED ON THE DRAWINGS. LEAVE 12" OF EXCESS CABLE AT THE OUTLET LOCATION, 12" OF CABLE NEATLY LOOPED ABOVE THE CEILING, AND 12'–0" OF EXCESS CABLE AT THE TERMINATION LOCATION. LABEL ALL CABLING IN ACCORDANCE WITH THE TECHNOLOGY GENERAL NOTES.
3. ALL CABLING SHALL BE PLENUM RATED AND INSTALLED IN ACCORDANCE WITH APPLICABLE CODES, AUTHORITY HAVING JURISDICTION REQUIREMENTS, TIA/EIA STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS.
4. VOICE/DATA JACKS, FACEPLATES, PATCH PANELS, RACKS, CABLE MANAGEMENT HARDWARE, TERMINATION HARDWARE, TESTING, CERTIFICATION, AND COMMISSIONING SHALL BE FURNISHED AND INSTALLED BY THE OWNER'S PREFERRED VENDOR/INSTALLER UNDER CONTRACT WITH THE ELECTRICAL CONTRACTOR.

PAGING / INTERCOM SYSTEM NOTES

1. THE PAGING AND INTERCOM SYSTEM SHALL BE PROVIDED AS A DELEGATED DESIGN BY THE INSTALLING CONTRACTOR/VENDOR. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE DESIGN, COORDINATION, AND PERFORMANCE OF THE SYSTEM AND SHALL PROVIDE ALL SPEAKERS, INTERCOM MASTER STATIONS, SUB STATIONS, DOOR STATIONS, POWER SUPPLIES, TRANSFORMERS, RELAYS, CABLING, TERMINATION HARDWARE, AND ACCESSORIES REQUIRED FOR A COMPLETE AND OPERATIONAL INSTALLATION WHETHER OR NOT SPECIFICALLY SHOWN ON THE DRAWINGS. SUBMIT SHOP DRAWINGS INCLUDING RISER DIAGRAMS, EQUIPMENT LOCATIONS, AND WIRING REQUIREMENTS FOR REVIEW PRIOR TO INSTALLATION.
2. ALL RELATED EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY OWNER'S PREFERRED INSTALLER, UNDER CONTRACT WITH THE ELECTRICAL CONTRACTOR.

CABLE TV SYSTEM NOTES

1. THE CABLE TELEVISION DISTRIBUTION SYSTEM SHALL BE PROVIDED AS A DELEGATED DESIGN BY THE INSTALLING CONTRACTOR/VENDOR. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE DESIGN, COORDINATION, AND PERFORMANCE OF THE SYSTEM AND SHALL PROVIDE ALL CABLES, SPLITTERS, AMPLIFIERS, CONNECTORS, TERMINATION HARDWARE, GROUNDING/BONDING, AND ACCESSORIES REQUIRED FOR A COMPLETE AND OPERATIONAL INSTALLATION WHETHER OR NOT SPECIFICALLY SHOWN ON THE DRAWINGS. SUBMIT SHOP DRAWINGS INCLUDING RISER DIAGRAMS, EQUIPMENT LOCATIONS, AND CABLE ROUTING FOR REVIEW PRIOR TO INSTALLATION.
2. SYSTEM AND COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE NEC, AUTHORITY HAVING JURISDICTION, SERVICE PROVIDER REQUIREMENTS, AND MANUFACTURER'S RECOMMENDATIONS.
3. EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY OTHERS UNDER A SEPARATE CONTRACT WITH THE OWNER.
4. ALL WIRING SHALL BE SUITABLE FOR INSTALLATION IN AIR HANDLING PLENUMS. PROVIDE 3/4" METALLIC RACEWAY ABOVE FIXED CEILINGS AND TERMINATE WITH INSULATED BUSHING ABOVE REMOVABLE CEILING.
5. PROVIDE STANDARD 4 INCH SQUARE EXTRA DEEP BOX WITH SINGLE GANG PLASTER RING AT EACH CABLE TV LOCATION.
6. INSTALL (1) RG6 QUAD SHIELD CABLE AND (1) CAT6 FROM EACH TV LOCATION TO ELECTRIC C25. LEAVE 12" EXCESS AT USER END AND 10' EXCESS AT TV BOARD. LABEL PER NOTES.

DOOR SECURITY SYSTEM NOTES

1. THE ACCESS CONTROL AND DOOR SECURITY SYSTEM SHALL BE PROVIDED AS A DELEGATED DESIGN BY THE INSTALLING CONTRACTOR/VENDOR. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE DESIGN, COORDINATION, OPERATION, AND PERFORMANCE OF THE SYSTEM AND SHALL PROVIDE ALL CONTROL PANELS, POWER SUPPLIES, DOOR CONTACTS, REQUEST–TO–EXIT DEVICES, CARD READERS, KEYPADS, ELECTRIC LOCKING HARDWARE, CABLING, INTERFACES, SOFTWARE, AND ACCESSORIES REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM WHETHER OR NOT SPECIFICALLY SHOWN ON THE DRAWINGS. SUBMIT SHOP DRAWINGS INCLUDING RISER DIAGRAMS, DEVICE LOCATIONS, EQUIPMENT SCHEDULES, WIRING REQUIREMENTS, AND DOOR HARDWARE COORDINATION FOR REVIEW PRIOR TO INSTALLATION.
2. SYSTEM AND COMPONENTS INSTALLED PER VBC AND AS APPROVED BY AUTHORITY HAVING JURISDICTION AND MANUFACTURER'S DRAWINGS.
3. ALL WIRING AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY OTHERS UNDER A SEPARATE CONTRACT WITH THE OWNER.
4. ALL WIRING SHALL BE SUITABLE FOR INSTALLATION IN AIR HANDLING PLENUMS. PROVIDE 3/4" METALLIC RACEWAY ABOVE FIXED CEILINGS AND TERMINATE WITH INSULATED BUSHING ABOVE REMOVABLE CEILING.
5. PROVIDE STANDARD 4 INCH SQUARE, EXTRA DEEP BOX WITH SINGLE GANG PLASTER RING AT EACH KEY PAD LOCATION.
6. ALL DOOR LOCKS SHALL RELEASE UPON ACTIVATION OF THE FIRE ALARM SYSTEM.

GENERAL TECHNOLOGY NOTES

1. PROVIDE PLENUM RATED RG6 QUAD SHIELD CABLE AND PLENUM RATED CAT6 (MINIMUM) SHALL BE BELDEN, BERK–TECK, GENERAL, HUBBELL, MOHAWK, SIEMENS, OR SUPERIOR ESSEX.
2. ALL CABLES SHALL BE LABELED AT EACH END WITH A UNIQUE IDENTIFIER. TV/DATA/VOICE CABLE LABELING FORMAT = ROOM #–X, WHERE X=V FOR VOICE, OR D FOR DATA. ANOTHER DIGIT SHALL BE ADDED FOR MULTIPLE LOCATIONS PER ROOM. WIRELESS ACCESS POINTS SHALL BE LABELED CONSECUTIVELY WAP–1,2,3, ETC.
3. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL TECHNOLOGY SYSTEM REQUIREMENTS WITH THE OWNER'S PREFERRED VENDOR/INSTALLER PRIOR TO ROUGH–IN. CONTRACTOR SHALL BE RESPONSIBLE FOR INCLUDING ALL COSTS ASSOCIATED WITH REQUIRED PATHWAYS, BACKBOXES, CABLING, AND RELATED INFRASTRUCTURE NECESSARY TO SUPPORT THE SYSTEMS INDICATED ON THE DRAWINGS.
4. ALL TECHNOLOGY SYSTEMS SHOWN ON THE DRAWINGS ARE INTENDED TO ESTABLISH DESIGN INTENT AND REQUIRED LOCATIONS ONLY. FINAL SYSTEM DESIGN, EQUIPMENT SELECTION, CABLING REQUIREMENTS, AND PERFORMANCE CRITERIA SHALL BE PROVIDED BY THE OWNER'S PREFERRED VENDOR/INSTALLER. CONTRACTOR SHALL COORDINATE ALL INSTALLATION REQUIREMENTS PRIOR TO PROCUREMENT AND ROUGH–IN.

NURSE CALL SYSTEM NOTES

1. NURSE CALL SYSTEM SHALL BE PROVIDED AS A COMPLETE AND OPERATIONAL SYSTEM. SYSTEM COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE NEC, APPLICABLE CODES, AUTHORITY HAVING JURISDICTION REQUIREMENTS, AND MANUFACTURER'S RECOMMENDATIONS.
2. NURSE CALL SYSTEM SHALL BE A TEKTONE 500 SERIES SYSTEM OR APPROVED EQUAL. PROVIDE ALL CONTROL EQUIPMENT, POWER SUPPLIES, STATIONS, CORRIDOR LIGHTS, ANNUNCIATORS, CABLING, ACCESSORIES, AND APPURTENANCES REQUIRED FOR A COMPLETE AND FUNCTIONAL INSTALLATION WHETHER OR NOT SPECIFICALLY SHOWN ON THE DRAWINGS.
3. ALL NURSE CALL SYSTEM EQUIPMENT, DEVICES, CABLING, AND ASSOCIATED WIRING SHALL BE FURNISHED, INSTALLED, PROGRAMMED, TESTED, AND COMMISSIONED BY THE ELECTRICAL CONTRACTOR.
4. ALL WIRING SHALL BE SUITABLE FOR INSTALLATION IN AIR–HANDLING PLENUMS. PROVIDE 3/4" METALLIC RACEWAY ABOVE FIXED CEILINGS AND TERMINATE WITH AN INSULATED BUSHING.
5. INSTALL BACKBOXES FURNISHED OR REQUIRED BY THE NURSE CALL SYSTEM MANUFACTURER AT ALL NURSE CALL DEVICE LOCATIONS. COORDINATE BOX SIZES, MOUNTING HEIGHTS, AND INSTALLATION REQUIREMENTS WITH THE SYSTEM SUPPLIER PRIOR TO ROUGH–IN.
6. AREA NURSE CALL ANNUNCIATORS SHALL PROVIDE AUDIBLE AND VISUAL INDICATION OF PATIENT CALLS AND SHALL ALSO PROVIDE AUDIBLE AND VISUAL INDICATION OF PATIENT ROOM SMOKE DETECTOR ACTIVATION WHERE REQUIRED BY THE SYSTEM DESIGN.
7. CONTRACTOR SHALL COORDINATE SYSTEM REQUIREMENTS, DEVICE LOCATIONS, PROGRAMMING, AND COMMISSIONING REQUIREMENTS WITH THE OWNER'S PREFERRED VENDOR/INSTALLER PRIOR TO PROCUREMENT AND ROUGH–IN.
8. PROVIDE COMPLETE SYSTEM TESTING, OWNER TRAINING, AND MANUFACTURER'S WARRANTY DOCUMENTATION PRIOR TO PROJECT CLOSEOUT.

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1975 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
ELECTRICAL LEGENDS AND NOTES

DAI PROJECT NO.
26032

E0.1

2026-06-24 - 1/8" = 1'-0"

SECTION 16010

PART 1 - GENERAL

1.01 GENERAL

A. The provisions of the Instructions to Bidders, General Conditions, Supplementary Conditions, Alternates, Addenda, and Division 1 are a part of this Specification. A requirement occurring in one is as binding as though occurring in all. They are intended to be complementary and to describe and provide for a complete work. Contractors and Sub-contractors shall examine same as well as other Divisions of the Specifications which affect work under this Division.

B. Material or labor which is not indicated on the Drawings or Specifications, but which is obviously necessary to complete the work (and is usually included in similar work), shall be provided. Drawings and Specifications are to be considered as supplementing each other. Work specified but not indicated, or indicated but not specified, shall be provided as though mentioned in both Specifications and Drawings.

C. These Specifications establish quality standards of materials and equipment to be provided. Specific items are identified by Manufacturer, Trade Name or Catalog Designation. The Contractor shall submit his base bid price based upon specified equipment described herein and as detailed on drawings and associated contract documents

D. Definitions

1. "Contractor" as used within the Electrical Specifications shall refer to the Electrical Contractor.

2. "Equal" or "Equivalent" shall be understood to mean of the same quantity, size, number, value, degree, intensity and the items are similar in all respects. The Engineer will make the final decision of acceptance of these items.

3. "Contract Documents" shall be understood to encompass drawings and specifications for architectural, structural, civil, mechanical, electrical and all other pertinent disciplines.

4. "Provide" shall be interpreted to mean the Contractor shall furnish all labor, materials, equipment and supplies including tests and inspections necessary to install, connect, apply, erect, construct, and place in operating condition.

5. "Furnish" shall be interpreted to mean the Contractor shall supply and deliver to the job site specified material, equipment, and supplies.

6. "Install" shall be interpreted to mean assembling, placing, erecting, wiring and to make fully operational.

E. The Contractor shall furnish all materials and do all work in accordance with these specifications, and any supplementary documents provided by the Architect. The work shall include everything shown on the drawings and/or required by the specifications as interpreted by the Architect, regardless of where such information is indicated (Architectural, HVAC, Plumbing, Fire Protection, etc.). All work and materials furnished and installed shall be new and of the best quality and workmanship. The Contractor shall cooperate with the Architect so that no error or discrepancy in the Contract Documents shall cause defective materials to be used or poor workmanship to be performed.

F. Visit the site of the work and become familiar with conditions affecting the installation. The contractor shall ascertain the location of existing structures, utilities, equipment, etc. that may affect contract work and advise the engineer no later than five (5) working days prior to bid due date. Submission of a proposal shall presuppose knowledge of such conditions and no additional compensation shall be allowed where extra labor or materials are required because of ignorance of these conditions.

G. The contractor shall advise the architect and/or engineer of any code violations occurring in the Contract Documents prior to award of contract. In case of conflict between the Contract Documents and the requirements of any Code or Authorities having jurisdiction, the most stringent requirements of the aforementioned shall govern.

1.02 WORK INCLUDES

A. Include all labor, material, equipment, services, permits and certificates of inspection necessary for the proper completion of all electrical work. Items omitted, but necessary to make the electrical system complete and workable, shall be understood to form part of the work.

B. It is the purpose of the Electrical Drawings to indicate the approximate location of all equipment, outlets, etc. Assertain exact locations and arrange work accordingly. The right is reserved to effect reasonable changes in the location of outlets up to the time of roughing-in with out additional cost to the Owner. Changes in location of outlets or equipment necessitated by interference with the work of other trades shall be made only with the consent of the Architect's or Owner's representative and at no additional cost.

C. Work shall include, but not be limited to, the following general systems and equipment:

Feeders and panel boards
Disconnect switches
Lighting and controls
Receptacles
Fire alarm
Power distribution system

D. All materials and workmanship shall comply with all applicable Codes, Specifications, Local and State Ordinances, Industry Standards, and Utility Company regulations and latest editions. In case of difference between Building Codes, State Laws, Local Ordinances, and the Contract Documents, the Contractor shall promptly notify the Architect in writing of any such difference.

E. The Electrical Design is based on the National Electrical Code. Work shall be installed in accordance with the provisions of the code as interpreted by the local board having jurisdiction, as well as any further modifications or regulations of local or state authorities. The Contractor shall include in his bid the cost of providing materials and equipment necessary to satisfy local or regional codes.

F. Provisions of the latest revisions to the Federal Occupational Safety and Health Act (OSHA) shall be satisfied.

G. Secure and pay for all permits and inspections required electrical work. Turn over all certificates of approval, by governing agencies, to the Architect for transmittal to Owner before payment is made for the work.

H. Give the proper authorities notices as required by law relative to the work in his charge. Comply with the regulations regarding temporary enclosures, obstructions or excavations and pay all legal fees involved.

I. The Electrical Contractor shall provide temporary electrical services adequate in size and characteristics, for use by all trades on site during project construction.

1.03 TESTS & DEMONSTRATION OF SYSTEMS

A. After installation but prior to energization, perform tests for grounds, short circuits and proper function. Faults in the installation shall be corrected.

B. Insulation resistance tests shall be made on the electrical system with not less than 1000V D.C. for 30 seconds using an approved megohmeter (Biddle Megger or equal). Also, complete resistance/continuity tests on the grounding system.

C. The Contractor shall torque down all accessible bolts and perform rotation tests for all distribution and utilization equipment

D. At each test site, the Contractor shall provide any test control power necessary to perform these tests.

E. Conduct such tests and adjustments of the equipment as required by the Architect as necessary to verify performance requirements. Submit data to the Architect.

F. Before final payment, demonstrate to the Owner's satisfaction the proper operation of each of the systems comprising this Contract.

G. Instruct the Owner's maintenance personnel in the operation and maintenance of all electrical equipment and controls.

1.04 CLEANING AND FINISHING

A. After all tests have been completed, clean all equipment leaving everything in working order at the completion of this work.

B. All debris created by the execution of this work shall be removed.

1.05 CUTTING, PATCHING AND PAINTING

A. Avoid cutting into the work of others by using sleeves, inserts, chases and similar items necessary for the installation.

B. Except where otherwise specified or noted on drawings, do all cutting and patching of the building as required to install sleeves, inserts, conduits and electrical equipment. Patching shall be done by mechanics skilled in the various trades. Work shall match the general construction work. All cutting shall be done in a manner to retain the structural integrity of the unit being cut. Where existing equipment is removed or relocated, patch to match the existing building finishes (walls, ceilings, floors, etc.).

C. Painting shall be provided under other Divisions of this Specification unless otherwise specified.

1.06 COORDINATION WITH OTHER TRADES

A. The Contract Drawings are diagrammatic only intending to show general runs and locations of conduit, equipment, terminals and specialties and not necessarily showing all required offsets, details and accessories and equipment to be connected. Take all field measurements necessary and assume responsibility for their accuracy. All work shall be accurately laid out with other Trades to avoid conflicts and to obtain a neat and workmanlike installation that will afford maximum accessibility for operation, maintenance and headroom.

B. Keep fully informed of the progress of the general construction. Install work that is to be concealed within the building construction in sufficient time to secure proper location without delay to the work of other trades. All conduit and outlet boxes concealed in masonry construction shall be installed during wall construction. Attend electrical work during the progress of building-in to prevent misalignments and damages to the electrical work.

C. The Contractor shall be responsible for coordinating with other trades (mechanical, plumbing, etc.), and shall verify any equipment and device voltage, phase and ampacity specifications. They shall furnish and install all necessary wiring, protective devices, etc., as recommended by the manufacturer and as required for the correct and proper operation of the installed equipment.

D. Examine the work of other trades when their work comes in contact with or is covered by this work. Do not attach to, cover up, or finish against any defective work, or install work in a manner which will prevent proper installation of the work of other trades.

E. All outlets, switches and receptacles shall be centered with regard to paneling, trim equipment, etc., and shall line up with either bottom or top of masonry courses.

F. Locate all electrical equipment, devices, equipment, etc. in the field in conjunction with drawings and building engineer. Coordinate routing of all feeders, conduit runs, pullboxes, etc. to avoid conflicts with existing ductwork, plumbing, and structural components.

1.07 GUARANTEE AND WORKMANSHIP

A. All materials and workmanship provided under the contract shall carry the standard warranty against all defects in material and workmanship. Any fault due to defective or improper material, equipment, workmanship or design which may develop shall be made good, forthwith, by and at the expense of the Contractor for the work under his Contract, including all other damage done to areas, materials and other systems resulting from this failure.

B. Manufacturers shall provide their standard guarantees for work under the Electrical Trades. However, such guarantees shall be in addition to and not in lieu of all other liabilities that the manufacturer and the Contractor may have by law or by other provisions of the Contract Documents

C. Workmanship shall be in accordance with the best practices of the trade. Journeymen electricians under the supervision of a competent foreman shall install electrical work

1.08 SUBMITTALS

A. Submit drawings and wiring diagrams in accordance with Division I on all items of equipment provided for review by the Engineer. These shall include, but not be limited to, the following:

Lighting and controls
Disconnect switches
Panelboards and transformer
Fire alarm devices

B. The submittals will be reviewed only for general compliance and not for dimensions, quantities, etc. The submittals that are returned shall be used for procurement. The responsibility of correct procurement remains solely with the Contractor. The submittal review shall not relieve the Contractor of responsibility for errors or omissions and deviations from the contract requirements.

C. The Contractor shall insure submittals bear the Contractors' dated approval stamp and indicate all options. If the submittal shows variations from the requirements of the contract documents, for any reason, the Contractor shall make specific mention of such variation in his letter of transmittal. The Contractor shall note in red on the submittal any change in design or dimension on the item submitted including changes made by the manufacturer that may differ from catalog information.

D. Acceptance or rejection of the proposed substitutions shall be subject to approval by the Architect and Engineer. If requested, the Contractor shall submit (at their cost) inspection samples of both the specified and the proposed substitute items for review by the Engineer.

E. Contractor further agrees that if deviations, discrepancies, or conflicts between shop drawing submittals and the contract documents in the form of design drawings and specifications are discovered either prior to or after shop drawing submittals are processed by the Engineer, the design drawings and specifications shall control and shall be followed.

1.09 RECORD DRAWINGS

A. Each Contractor or Sub-contractor for Electrical work shall keep one complete set of the contract working drawings on the job site on which he shall record any deviations or changes from such contract drawings made during construction.

B. These Drawings shall be kept clean and undamaged, and shall not be used for any purpose other than recording deviations from working drawings and exact locations of concealed work.

1.10 OPERATING, MAINTENANCE AND SERVICE MANUALS

A. The Contractor shall thoroughly instruct the representative of the Owner, to the complete satisfaction of the Architect, in the proper operation of all systems and equipment provided by him. The Contractor shall make arrangements, via the Architect, as to whom the instructions are to be given in the operation of the basic and auxiliary systems and the period of time in which they are to be given. The Architect shall be completely satisfied that the representative of the Owner has been thoroughly and completely instructed in the proper operation of all systems and equipment before final payment is made. If the Architect determines that complete and thorough instructions have not been given by the Contractor to the Owner's representative, then the Contractor shall be directed by the Architect to provide whatever instructions are necessary until the intent of this paragraph of the specification has been complied with.

B. Deliver to the Owner all keys, special tools and appurtenances for proper operation and maintenance of the equipment. Provide complete bound set of operating and maintenance instructions for all electrical equipment and controls.

PART 2 - PRODUCTS

2.01 EQUIPMENT AND MATERIALS

A. Equipment and materials used on this job shall be new, U.L. labeled, and O.S.H.A. approved.

B. Equipment and materials shall be protected and be the responsibility of this Contractor until formally accepted by the Owner.

C. Material and equipment built into the work for which examination service is provided shall bear the Underwriter's Label.

D. Materials and equipment provided under this Contract shall be new and of the quality herein specified. Each class of materials shall be of the same type and make throughout the building.

E. All manufacturers of electrical equipment shall demonstrate to the satisfaction of the Contractor and Engineer that their equipment will function properly under the conditions of use as indicated on the drawings and as specified herein. Dimensions, weights, operating characteristics and all other related appurtenances should be verified before submittal of shop drawings.

F. Fire Stopping

1. In addition to the requirements specified herein, refer to Division 1 Specifications for fire stopping guidelines.

2. All openings in fire rated floors, shafts, and walls accommodating penetrating items such as cables, conduits, raceways, cable trays, or busways shall be fire stopped.

a. Provide fire stopping for steel electrical outlet boxes that exceed 16 square inches in area and/or when the aggregate surface of the boxes exceeds 100 square inches in any 100 square foot of wall area. In addition, provide fire stopping for steel electrical outlet boxes on opposite sides of the wall that are not separated by a horizontal distance of 24 inches.

b. Provide fire stopping where a penetration occurs through a structural floor or roof and a space would otherwise remain open between the surface of the penetration and the edge of the adjoining structural floor or roof.

c. Provide fire stopping to completely fill spaces around penetrations where penetrations occur at fire rated shafts and walls of hollow-type construction.

3. The installation of fire stopping materials shall conform to the latest Fire Resistance Directory as published by U.L.

4. Fire stopping shall be performed by a contractor trained or approved by the fire stopping manufacturer. Equipment used shall be in accordance with the fire stopping manufacturer's written installation instructions.

5. Acceptable Manufacturers: Specified Technologies, Inc.; Tremco, Inc.; 3M; and Hilti.

PART 3 - EXECUTION

3.01 EQUIPMENT CONNECTIONS

A. Serve and connect equipment being installed during the construction period, but provide facilities only for serving equipment that will be moved in, set and connected later by the Owner. Provide cords and caps where required and fusetron fuses in switches left for future equipment connections.

3.02 SERVICE SHUTDOWNS

A. Prior to any isolation of systems, shutdowns or demolition the Contractor shall provide necessary investigation and notify the Facilities Engineering/Maintenance personnel of work to be performed so as to avoid any detrimental shutdown of systems to adjacent spaces.

B. Maintain existing electrical systems in service until the new systems are complete and ready for service. Disable the systems only to make switchovers and connections. Any service shutdowns that may be required shall be scheduled with and approved by the Owner. All shutdowns shall be scheduled with and approved by the Owner. A minimum of a one-week notice shall be given prior to any service shutdown. No additional compensation shall be allowed for these shutdown periods even though overtime work may be required.

END OF SECTION

SECTION 16020 - ELECTRICAL DEMOLITION

PART 1 - GENERAL

1.01 WORK INCLUDES

A. The information indicated on the Demolition Drawings is a composite of information obtained from readily observable field conditions and/or existing drawings. The Demolition Drawings may not show every existing receptacle, luminaire, switch, conduit, etc and shall therefor be considered diagrammatic. Field verification of all existing devices and systems will be required to be made by the Contractor prior to commencement of work. Note that electrical or electronic circuit tracers were not used to verify these plans.

B. Include all costs and labor, materials, equipment, services, and permits necessary for completion of the demolition work. Provide protection for all personnel and adjacent areas before, during, and after execution of the demolition work.

C. Electrical equipment indicated on the Demolition Drawings is shown to indicate the extent of demolition only, and is not intended to be a record drawing of the existing conditions. The Drawings and Specifications establish the minimum standards for workmanship and materials.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Provide materials and equipment for completion of the demolition work as described within the Specifications and on the Drawings.

PART 3 - EXECUTION

3.01 GENERAL DEMOLITION WORK

A. The Contractor shall remove and/or relocate all of the existing electrical work made necessary because of project alterations as indicated or implied on the Contract Documents of all trades. All existing electrical equipment and systems not affected by these changes shall remain and shall be protected whether shown on the Drawings or not. The Contractor shall maintain existing circuit continuity as described in the Specifications and on the Drawings, or as required for continued operation of the electrical equipment and systems.

B. Where required, resupport existing conduits and cabling above ceilings being removed. Electrically disconnect equipment to be removed at the point of power supply. Remove conduit and wiring from equipment to be removed complete to the point of power supply. Existing panelboards being modified/utilized shall be provided with new typewritten directories to reflect any changes made through this demolition.

C. All wiring (Branch Circuit, Fire alarm, etc.) that is to be demolished shall be removed completely back to source including all conduit, supports, conductors, etc. Do not abandon any materials above ceilings or in walls. The associated circuit breakers shall be turned off and marked as spare if not reused for the new construction.

D. Where building systems or circuits are interrupted because of the demolition work, they shall be rerouted or relocated, modified and reconnected to provide a continuous system.

E. All cutting, patching, finishing, etc., for removal and relocating electrical equipment shall be included as part of the Electrical Work unless otherwise noted. All damage caused by the demolition work shall be properly patched with suitable materials to match existing surfaces. All abandoned electrical conduits or other openings made by removal of existing electrical components shall be fire stopped with approved U.L. rated mineral wool and/or fire caulk. U.L. approved fire stop method/material shall match the existing and/or new rated assembly.

F. All equipment to be salvaged by the Owner shall be carefully removed and securely stored on site by the Contractor for salvage by the Owner. All other materials, equipment and debris shall become the property of the Contractor and shall be removed from the site.

G. Where existing electrical equipment is indicated on the Drawings to remain, the existing wiring shall remain, along with the related conduit system, unless otherwise shown or noted on the Drawings. Clean, repair, and refurbish existing materials and equipment that are to remain.

H. In all cases where existing branch circuit conduit and wiring is to be re-used or extended within the remodeled area, the Contractor shall test for grounding continuity and shall test the existing branch circuit wiring as though new, in accordance with the testing procedures outlined elsewhere n these Specifications.

I. Existing flush outlet boxes may be reused if at proper height, location and in good condition. Existing concealed raceways may be reused if in good condition.

J. Cap existing empty conduits and plug open knockouts in existing electrical equipment.

K. In all existing or new areas specified or shown to be painted, the Contractor shall remove all electrical items as required including but not limited to luminaires, device plates, devices, etc. Reinstall after completion of painting. Any item not removed and painted over shall be suitably cleaned or replaced with a new item by the Contractor.

END OF SECTION

SECTION 16050 - BASIC MATERIALS AND METHODS

PART 1 - GENERAL

1.01 GENERAL

A. Work Includes

Conduits
Wire and Cable
Wiring Devices
Supporting Devices

B. Related Work Specified Elsewhere

Section 16010 - General Electrical Provisions
Section 16060 - Grounding and Bonding

C. Products

1. Material and equipment built into the work for which examination service is provided shall bear the Underwriter's Label.

2. Materials and equipment provided under this Contract shall be new and of the quality herein specified. Each class of materials shall be of the same type and make throughout the building.

PART 2 - PRODUCTS AND EXECUTION

2.01 CONDUITS

A. Materials

1. Conduit shall be rigid galvanized or intermediate grade in exterior masonry walls; masonry walls below grade; concrete floors, walls or slabs; damp or wet locations; or exposed below 8 feet above finished floor. Use P.V.C. in ground applications. All other interior conduits may be EMT or MC as approved by the NEC.

2. Rigid conduit fittings shall be threaded fittings. Rigid conduit couplings and hubs to have no less than five (5) threads of conduit engaged and screwed up tight.

3. All conduits that pass through the roof shall be in pipe portals.

4. All conduits that cross expansion joints shall have expansion seismic couplings.

5. All conduits that are indicated on the drawings to be run exposed on the building roof shall be supplied with pipe roller supports.

6. Exterior underground conduit shall be P.V.C. schedule 40, and must be encased in 6" of concrete under drives or roadways. The transition to rigid conduit must be made before the conduit enters the building.

B. Execution

1. Conduits shall be continuous and be secured to all boxes in a manner that each system shall be electrically continuous from point of service to all outlets. Terminals of all conduits shall be provided with locknuts and bushings. Plug ends of each conduit with an approved cap or disc to prevent the entrance of foreign materials during construction.

2. Conduits run in floor slab or concrete work shall have a minimum of one (1") inch of concrete cover and clean threads.

3. All conduit terminating in sheet steel enclosures shall have double locknuts and a bushing. Locknuts shall be a type which will "bite" into the metal of the box. All bushings shall be of the insulating type.

4. Conduit shall be run concealed in finished areas. The routing of all surface mounted/exposed conduit in finished areas shall be coordinated with, and shall be approved by the architect prior to installation.

5. Where conduits passing through openings are exposed in finished rooms, finishes of filling materials shall match and be flush with adjoining floor, ceiling and wall finishes

6. Conduits shall not be run on the exterior of the building or on the roof unless specifically indicated on the drawings. The routing of such conduits shall be approved by the Architect.

7. Homeruns to panels shall be 3/4" minimum.

8. Conduit in ground floor shall be run under the slab, but may not be run in slag.

9. Exterior underground conduits shall be 30" below grade, minimum.

10. Conduit passing through exterior walls for entry into building and floors below grade shall be made watertight with caulking compound and pipe sleeves with wall collar extending 8" all around the conduit. Collar shall be 1/8" thick steel welded to sleeve. Coordinate material requirements with the Contractor. Underground joints shall be sealed.

11. Where conduits pass through masonry or concrete walls, foundations or floors, the Electrical Contractor shall set such sleeves as are necessary for passage of the conduits. Sleeves shall be of sufficient size to provide air space around the conduit passing through for fireproofing. The Electrical Contractor shall be responsible for the exact location of sleeves provided under his Contract.

12. Conduit supporting systems shall be attached to the deck, slab, or structural framing only and not to any other appurtenances at the ceiling such as mechanical ducts, pipes and suspended ceiling hanger wires or framing members.

13. Conduits or other raceway systems that penetrate fire or smoke rated walls, ceilings, decks, partitions, etc. shall be constructed so as to maintain the integrity of the fire or smoke rated areas.

14. A separate ground must be run in all P.V.C. conduit. Conduit size shall be increased to accept ground when required. Vertical transitions shall be made with rigid steel ells.

2.02 WIRE AND CABLE

A. Materials

1. Wire and cable for lighting feeders shall be 600 volt type THHN/THWN or XHHW copper. Aluminum wiring is an acceptable alternate for feeders 100 amperes or larger.

2. Wire and cable for power and lighting branch circuits shall be TWUF copper for #8 and smaller and THHW or XHHW copper for #6 and larger. Wire sizes shall be based on the 60°C ampacities for wire sizes #14 through #1AWG, and 75°C ampacities for wire sizes #1/0 AWG and larger.

3. Minimum wire size for power and lighting circuits shall be #12. Wire sizes #12 and smaller shall be solid. Wire sizes #10 and larger shall be stranded.

4. Where size is not indicated, Conductor size #12 minimum shall be used for circuits less than 120 feet and size #10 minimum shall be used for circuits greater than 120 feet.

5. Joints in #10 and smaller wire shall be made with Minnesota Mining and Manufacturing Co. insulated "Scotch Locks", Ideal Co. "Wing_Nut", T & B Co. "Piggy" connectors, or with mechanically crimped sleeves as manufactured by T & B Co., or Ideal Co. Connector sleeves shall be insulated with pressure sensitive electrical tape equal to Minnesota Mining and Manufacturing Co. Scotch No. 33 "plus" or Raychem Corp. heat shrinkable tape.

6. Joints in #8 and larger shall be made with pressure type mechanical connectors and insulated with electrical tape to 150% of the insulating value of the conductor insulation.

7. Color code wire and cable for circuits as called for in the National Electric Code.

8. All mechanical wire & cable terminations shall be torque-tightened with torque wrench or torque screwdriver to manufacturer's recommended torque values.

2.03 WIRING DEVICES

A. Materials

1. Local light switches shall be back and side wired, 20 ampere, 120/277 volts, AC Specification Grade. The following manufacturers indicated are acceptable: Hubbell, Legrand, Leviton, Bryant.

2. Convenience outlets for 120 volt general use shall be duplex 20 ampere, 125 volt, 3 wire, grounding type. The top shall be of high impact thermoplastic such as nylon. The strap shall be heavy duty steel that wraps around the device. Ground contacts shall be brass and riveted to the strap. Automatic ground clip shall be provided. Manufacturers and their catalog numbers listed are acceptable.

Hubbell	Legrand	Leviton	Bryant
5362	5362	5362	5362

3. All switch and convenience outlet plates shall be smooth finish, thermoplastic material such as nylon to suit outlets provided. To insure uniform color, plates and devices shall be of one manufacturer. In unfinished areas, use cadmium plated round corner steel cover plates.

4. All 15- and 20-ampere, 120-volt nonlocking type receptacles in the areas specified in NEC 406.12(1) through (7) shall be listed tamper resistant.

5. Ground fault circuit interrupter (G.F.C.I.) receptacles, where required by local code, shall be Hubbell #AFGF15TR.

6. Weatherproof receptacles shall be Hubbell #HBL5262WR duplex outlet with Hubbell #HBL5221 polycarbonate gray plate, box mount.

B. Execution

1. Provide receptacles and switches as indicated. Colors of device and plates shall be selected by the Architect. Verify before installation.

2. Adjacent devices shall be mounted in ganged boxes.

3. Junction boxes shall not be installed above gypboard ceilings, due to inaccessibility.

2.04 DISCONNECT SWITCHES

A. Disconnect switches, unfused or fused, single throw, shall be installed where indicated on the Drawings and/or where required by Code. Switches shall be heavy duty for indoors or outdoors as required and manufactured by Square D, General Electric, Siemens or Cutler-Hammer.

B. If double lugging or oversized wires are required, provide a wireway or splice box.

C. The means of disconnect/control for all equipment and disconnects shall be installed in a readily accessible location and shall have proper working space as defined in NEC Article 100 and 110.

2.05 SUPPORTING DEVICES

A. All hardware, supports, hangers, angle iron, channels, rods, clamps necessary to install electrical equipment and lighting fixtures shall be supplied to suit conditions and application. The use of perforated straps will not be permitted.

B. Supporting devices shall be galvanized or aluminum material.

2.06 EQUIPMENT MOUNTING

A. All equipment mounted on exterior walls shall be attached to 3/4" plywood boards furred out 1" from wall. Provide painting of plywood boards _ finish as selected by the Architect.

2.07 EXCAVATION, CONCRETE AND BACKFILL

A. Provide all excavation, concrete and backfill required for electrical work exclusively. All concrete work shall be in accordance with the requirements of The State of Ohio.

2.08 PADS, FOUNDATIONS AND ENCLOSURES

A. Provide pads, foundations, and enclosures required for electrical equipment. All floor mounted or exterior equipment is to be on 4" concrete pads unless otherwise indicated.

B. Exterior concrete shall be thourosealed.

C. Pads for Utility Company transformers: follow Utility Company requirements.

END OF SECTION

SECTION 16400 - SERVICE AND DISTRIBUTION

PART 1 - GENERAL

1.01 GENERAL

A. Work Includes:

Grounding
Branch Circuit Panelboards
Transformers

B. Related Work Specified Elsewhere

Section 16010 - General Electrical Provisions
Section 16050 - Basic Electrical Materials and Methods
Section 16400 - Power Distribution Equipment

1.02 GROUNDING

A. Ground all conduits, cabinets, motors, panels and other exposed non-current carrying metal parts of electrical equipment in accordance with all provisions of the National Electric Code and local codes.

B. Ground all conduits by means of grounding bushings on terminations at panelboards with an installed #12 conductor to grounding bus

C. The preferred method of grounding to earth is by an underground water piping system, if available, supplemented by the use of driven rods. Ground rods shall be copper-weld not less than 3/4" in diameter and ten (10) feet long.

D. Grounding of the electrical system shall be by means of an insulated grounding conductor installed with circuit conductors in all conduits. Grounding conductors shall be sized in accordance with N.E.C. 250.95 and shall run from grounding bus of serving panel to ground bus of served panel, grounding screw of receptacles, lighting fixture housings, light switch outlet boxes or metal enclosures of served equipment.

E. Install bonding jumpers across all buildings, expansion joints, and across conduit expansion fittings

F. Conductors for grounding system shall be soft or medium hard drawn, stranded, bare copper except where otherwise noted.

4. All conductors #8AWG and smaller shall be insulated

PART 2 - PRODUCTS AND EXECUTION

2.01 CIRCUIT BREAKER PANELBOARDS

A. Materials

1. Panelboards shall be of the dead front safety type. Bus bars shall have anti-turn solderless lug connections for attaching feeders. Where two or three-pole breakers are required, they shall be common trip. Panelboards shall be Square D, Siemens, General Electric, or equivalent.

2. Name Plates

a. Provide nameplates on all equipment of the type listed in the following schedule: Panel boards, Safety Switches

b. Lettering shall include name of equipment, horsepower, voltage rating and service designation.

c. Name plates shall be laminated phenolic with a black surface and white core. Nameplates may be attached to wall adjacent to equipment if area for attachment is too small. Identification with a Dymo-type instrument is not permissible.

d. Nameplates on panel boards, distribution panels, etc., in unfinished areas should be on exterior trim near top.

3. All branch circuit panelboards shall be circuit breaker type with provisions for bolt-on type circuit breakers.

4. Circuit breakers shall be bolt on type, 10,000 ampere symmetrical short circuit capacity minimum unless otherwise shown on the drawings.

A. Execution

1. Panels shall be mounted so that the top is at 6'-0" above floor.

2. A glazed directory frame shall be provided inside the door and shall be of sufficient size to give description of each circuit. Typed directory cards shall be provided listing each circuit served.

3. Provide new directory cards in existing panels modified due to the contract work.

2.02 TRANSFORMERS

A. Transformers shall be dry type, 115 deg. centigrade rise, with four 2-1/2% full capacity taps (two above - two below normal voltage) for 30 KVA and below. 150 deg. centigrade rise, with six 2-1/1% full capacity taps (two above - four below normal voltage) above 30 KVA. Transformer sound levels shall not exceed NEMA Standards. Provide all mounting platforms for wall or truss mounted transformers as required. Primary and secondary connections shall be made with flexible conduit. Transformers shall be as manufactured by Square D, General Electric, Siemens, Acme, or Hevi-Duty.

B. All transformers indicated to be supported from the structure shall be supported by Unistrut frame.

PART 3 - EXECUTION

3.01 GROUNDING

A. All connections of ground conductors to bus bars, structural members, pipes, or fences and splices of ground conductors shall be made by exothermic welds except where otherwise noted. All connections to bar lugs shall be exothermic weld or compression type. Bolted type connection of ground conductors may only be made where terminal lugs or blocks have been furnished and installed in equipment by the manufacturer.

B. The resistance to ground for the entire grounding system shall not exceed 25 ohms under normal dry conditions.

C. Tests of grounding resistance shall not be made within 24 hours after a rainfall. If after testing the system, it is found that the resistance to absolute earth exceeds 15 ohms, the Contractor shall install the necessary number of ground rods to reduce the resistance to less than 15 ohms. These tests shall be conducted in the presence of the local Electrical Inspector. The test results shall be submitted to the Owner/Engineer.

END OF SECTION

SECTION 16500 - LIGHTING

PART 1 - GENERAL

1.01 GENERAL

A. Work Includes

Interior Lighting
Exterior Lighting

PART 2 - PRODUCTS AND EXECUTION

2.01 EXECUTION

A. Light fixtures (luminaire) shall be as specified on the lighting fixture schedule as indicated on the drawings. Where fixture types are indicated as a manufacturer's series, the contractor shall provide the correct trim, mounting hardware, lengths, etc., to complete the installation as indicated on the electrical/architectural drawings.

B. All fixtures shall be securely supported with approved hangers. Fixtures shall be supported from structural ceiling or structural supports, not suspended ceiling supports, independent of ceiling material. Fixtures shall be secured per IBC, state and local seismic requirements. Surface mounted fixtures must have additional ceiling support as acceptable by the Architect.

END OF SECTION

SECTION 16700 - COMMUNICATIONS

PART 1 - GENERAL

1.01 GENERAL

A. Work includes telephone/data conduit system

PART 2 - PRODUCTS AND EXECUTION

2.01 DESCRIPTION

A. The Contractor shall provide a complete system of telephone/data cabinets, outlet boxes, conduit and miscellaneous fittings and materials to provide a complete data raceway system. Data equipment, terminals, cable and the associated labor shall be furnished and installed by low voltage contractor under a separate agreement with the Owner. All work shall be provided in accordance with the requirements of the local telecommunications company and as indicated on the drawings.

B. Execution

1. All low voltage and system cabling located above ceilings shall be properly rated for the application. Without exception, all cabling shall be hung from bridal type rings or placed in cable tray by the E.C. in exposed ceiling areas, All cabling shall be run in conduit to the nearest accessible ceiling location.

2. The E.C. shall coordinate the exact location of all device boxes for security system, conduit for low voltage cable and 120V power for card readers/sensors with the Owner's security system vendor prior to rough-in.

3. Coordinate communications cabling, routing, mounting boxes, and terminations with the Owner, Architect and Owner's communications consultant prior to rough-in.

END OF SECTION

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1915 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

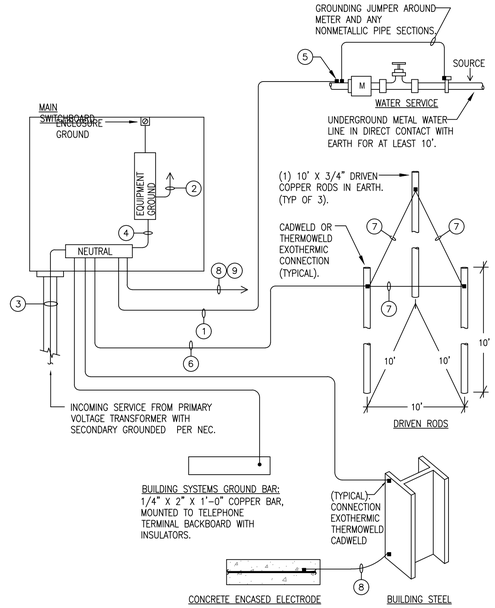
COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
ELECTRICAL SPECIFICATIONS

DAI PROJECT NO.
26032

E0.2

2026-06-24 - 1/8" = 1'-0"

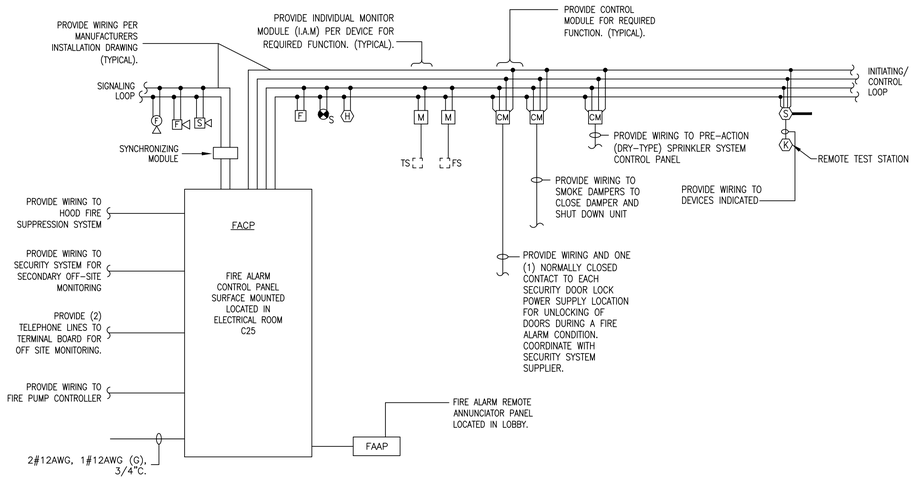


SERVICE GROUNDING ELECTRODE WIRING DIAGRAM

NOT TO SCALE

GROUNDING DIAGRAM NOTES:

1. THE GROUNDING ELECTRODE CONDUCTORS SHALL BE SIZED PER TABLE 250.66 OF THE NEC. THE CONDUCTOR SHALL BE CONNECTED TO AN APPROVED GROUNDING ELECTRODE.
2. GROUND CONDUCTORS TO OTHER POINTS AND EQUIPMENT, AS REQUIRED BY NEC ARTICLE 250.
3. SERVICE ENTRANCE PHASE CONDUCTORS WITH GROUNDED (NEUTRAL) CONDUCTOR.
4. MAIN BONDING JUMPER SHALL BE SIZED PER TABLE 250.66 OF THE NEC.
5. INTERIOR METAL WATER PIPING CONNECTIONS SHALL BE MADE WITHIN 5' OF BUILDING ENTRANCE PER NEC 250.52(A)(1)
6. GROUND ROD ELECTRODE – PROVIDE #4/0 AWG COPPER GROUNDING ELECTRODE CONDUCTOR, PER NEC 250.66(A).
7. BONDING CONDUCTOR SHALL BE SIZED PER TABLE 250.66 OF THE NEC.
8. METAL WATER PIPING AND STRUCTURAL STEEL NOT INTENTIONALLY GROUNDED SHALL BE BONDED PER NEC 250.104 AND NEC TABLE 250.66.
9. OTHER METAL PIPING (GAS, ETC.) SHALL BE BONDED PER NEC 250.104 AND NEC TABLE 250.122.



ADDRESSABLE FIRE ALARM SYSTEM WIRING DIAGRAM

NOT TO SCALE

NOTES:

1. THIS DIAGRAM REPRESENTS A TYPICAL SYSTEM AND IS NOT INTENDED FOR INSTALLATION. SYSTEM SUPPLIER SHALL PROVIDE INSTALLATION DRAWINGS AND SCHEMATIC WIRING DIAGRAMS. EXACT SYSTEM REQUIREMENTS SHALL BE COORDINATED WITH THE SYSTEM SUPPLIER. SYSTEM INSTALLER SHALL BE NICET CERTIFIED, IF REQUIRED BY LOCAL AUTHORITY HAVING JURISDICTION.
2. SYSTEM AND COMPONENTS SHALL BE INSTALLED PER VBC AND AS APPROVED BY AUTHORITY HAVING JURISDICTION. COMPLY WITH NFPA 72, UL 268 AND APPROVED MANUFACTURER'S DRAWINGS.
3. CONTACT OWNER'S PREFERRED VENDOR/INSTALLER FOR PRICING.
4. ALL FIRE ALARM WIRING SHALL BE PLENUM RATED. EXPOSED FIRE ALARM WIRING, 10'-0" AFF AND BELOW, SHALL BE INSTALLED IN CONDUIT TO ABOVE ACCESSIBLE CEILING SPACE OR STRUCTURE.
5. PROVIDE AND INSTALL POWER SUPPLY(IES) AS REQUIRED TO OPERATE ADDITIONAL DEVICES ON PLAN.
6. ALL CONTROL CABINETS SHALL BE GROUNDED PER NEC REQUIREMENTS AND PER SPECIFICATIONS.
7. PRIOR TO ROUGH-IN, SUBMIT PLAN TO AUTHORITY HAVING JURISDICTION AND RECEIVE WRITTEN APPROVAL. EXACT LOCATION OF SMOKE DETECTORS SHALL BE VERIFIED.
8. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. REFER TO DRAWINGS FOR DEVICE QUANTITY AND LOCATIONS.
9. STROBE LIGHTS SHALL BY SYNCHRONIZED.
10. SUBMIT DRAWINGS INDICATING ALL DEVICES ON PLAN TOGETHER WITH DETAILED RISER DIAGRAM INDICATING ALL DEVICES AND WIRING. PROVIDE BATTERY CALCULATIONS AND VOLTAGE DROP CALCULATIONS
11. SHOP DRAWINGS PREPARED BY INSTALLER SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT.
12. FACP TO MONITOR FIRE PUMP/MOTOR RUNNING, LOSS OF PHASE AND PHASE REVERSAL.
13. FINAL WIRING AND DEVICE CONNECTIONS SHALL BE MADE UNDER DIRECT SUPERVISION OF MANUFACTURER'S REPRESENTATIVE.
14. PROVIDE CERTIFIED TEST REPORT UPON COMPLETION.
15. SYSTEM SUPPLIER SHALL SUPERVISE INSTALLATION, PROGRAM AND TEST SYSTEM AND INSTRUCT OWNER ON SYSTEM OPERATION. ALLOW IN BID FOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE 4 HOURS OF INSTRUCTION TO OWNER'S PERSONNEL IN SYSTEM OPERATION, MAINTENANCE AND TESTING.

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1915 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
ELECTRICAL DETAILS

DAI PROJECT NO.
26032

E0.3

2026-06-24 - 1/8" = 1'-0"

SECTION 16231

PACKAGED ENGINE GENERATORS

PART 1 – GENERAL

1.01 WORK INCLUDES
A. Engine Generator
B. Accessories for a Complete System

1.02 RELATED WORK SPECIFIED ELSEWHERE
A. Section 16010 – General Electrical Provisions
B. Section 16050 – Basic Materials and Methods
C. Section 16415 – Transfer Switches

1.03 GENERAL REQUIREMENTS
A. The purpose of specification is to provide a complete operating standby power generation system.

B. The installation of a standby electric power system shall include an electric generating set rated for continuous standby service at 0.8 PF 60-hertz. The system shall be a package of new equipment consisting of generator in enclosure, and transfer switch.

C. This system shall be built, tested and shipped by the manufacturer so there is one source of supply and responsibility. The performance of this generating set series shall be certified by an independent testing laboratory as to the set's full power rating, stability and voltage and frequency regulation.

D. The manufacturer shall have printed literature brochures describing the standard series specified (not a one of a kind fabrication). The manufacturer shall provide schematic interconnecting diagram showing connections to individual components, which constitute the standby power system.

E. The performance tests of the generating set series shall be in accordance with procedures certified by an independent testing laboratory. The manufacturer shall have successfully tested a prototype of the generating set series offered which shall include:

1. Maximum power level
2. Maximum motor starting capacity
3. Structural soundness
4. Torsigraph analysis per MIL-STD-705B, method 504.2
5. Fuel consumption
6. Engine-alternator cooling air flow
7. Transient response and steady state governing
8. Alternator temperature rise of 80 degrees C. at 40 degrees C ambient
9. 100 % single step load pickup
10. Harmonic analysis and voltage waveform deviation per MIL-STD-705B, method 60.4
11. Three-phase short circuit test for mechanical and electrical strength.

PART 2 – PRODUCTS

2.01 ENGINE-GENERATOR SET

DIESEL – The engine shall be stationary, liquid-cooled, diesel for use with Number 2 diesel fuel. The engine shall be certified by the engine manufacturer as capable of driving a generator yielding 380 KW at 208Y/120V. The engine shall be capable of driving the generator of this rating on a continuous standby basis for the duration of normal utility source interruptions per SAE J1349 conditions. The engine- generator set shall be mounted on a heavy duty sound attenuated NEMA 3R weatherproof housing, steel base and incorporate vibration isolators of the type and quantity as specified by the set manufacturer whether mounted internally or externally to the set. Generator shall be provided with integral 48-hours at full load sub-base fuel tank. Provide all inspections and testing necessary per Virginia code. Provide initial full tank of diesel fuel prior to initial testing.

A. The engine shall be equipped with the following:

1. An engine-driven or electric fuel transfer pump, fuel filters, an electric solenoid fuel shut-off valve, and a fuel distribution system with an isochronous governor capable of +/- 0.25% steady-state frequency regulation.

2. A positive engagement solenoid shift-starting motor.

3. A 35-ampere minimum automatic battery charging alternator with solid-state voltage regulation.

4. A positive displacement, full pressure lubrication oil pump, cartridge oil filters, dipstick, and oil drain.

5. Dry-type replaceable air cleaner elements for heavy duty applications.

B. The engine shall be liquid-cooled by:

1. A unit- mounted radiator, blower fan, water pump, and thermostat to properly cool the engine.

C. Engine Exhaust System

1. An exhaust muffler shall be provided for the engine of a size as recommended by the manufacturer. The muffler shall be of the critical type, furnished and installed by the Electrical Contractor.

D. Generator

1. The alternator shall be salient-pole, brushless, 12-lead reconnectable, self-ventilated of drip-proof construction with amortisseur rotor windings and skewed stator for smooth voltage waveform. The insulation shall meet the NEMA standard MG1-22.40 and 16.40 for Class H and be insulated with epoxy varnish to be fungus resistant per MIL 1-24092. Temperature rise of the rotor and stator shall be limited to NEMA Class F ratings. The excitation system shall be of brushless construction controlled by a solid-state voltage regulator capable of maintaining voltage within +/-2% at any constant load from 0% to 100% rating. The regulator shall be isolated to prevent tracking when connected to SCR loads, and shall provide individual adjustments for voltage range, stability and volts-per-hertz operations; and shall be protected from the environment by conformal coating. % of the rated load at

2. Upon 1-step application of any load up to 100 % and shall 0.8 power factor, the voltage dip shall not exceed 35% and shall recover to +/- 2% of rated voltage within 1 second.

3. The generator shall be capable of sustaining at least 250 % of rated current for at least 10 seconds under a 3-phase symmetrical short by inherent design or by the addition of an optional current boost system.

4. A resettable line current sensing circuit breaker with inverse time versus current response shall be furnished which protects the generator from damage due to its own high current capability. The breaker shall be rated as indicated on the drawings. The breaker shall not trip within the 10 seconds specified above to allow selective tripping of downstream fuses or circuit breakers under a fault condition. The breaker shall not automatically reset, preventing restoration of voltage if maintenance is being performed. A field current-sensing breaker shall not be acceptable.

5. The generator shall have a single maintenance-free bearing and shall be directly connected to the flywheel housing with a semi-flexible coupling between the rotor and the flywheel.

E. Engine-Generator Set Controller

Provide a microprocessor-based controller which meets the National Electrical Code, NFPA-99 and NFPA-110 Level 1 Standards. The control system shall be able to operated in environmental conditions ranging from -40°C to +70°C with a 5-95 % humidity range. Mounting shall be made possible by direct generator mounting, or any remote location within 40 feet of the generator set. Control wires between the engine-generator set and the transfer switches shall have termination identification on both ends.

1. The controllers shall utilize a panel mounted user interface consisting of lighted digital display.

2. The controller shall be equipped with an industrial type run-stop-auto three-position selector switch, an emergency stop push-button, a green system ready light, a yellow not in auto light, a yellow programming mode light, a yellow system warning light, and a red system shutdown light.

3. The controller shall be capable of displaying single phase output voltages including line to line and line to neutral, single phase currents, output frequency, system power factor, total instantaneous KW loading, and percent loading based on generator nameplate rating. It shall also be possible to display the engine coolant temperature, oil pressure, battery voltage, and engine RPM.

4. The controller shall store the total run time, both loaded and unloaded, total number of starts, number of days of operation, system start date, and kilowatt hours from the original start-up date.

5. The controller shall contain a separate, user resettable, data registry for tracking the units history of loaded running hours, unloaded running hours, KW hours, operating days, and number of starts since the last maintenance was performed. Additionally, the controller shall store the

6. The engine-generator controller shall also store nameplate information such as: model and serial number, kilowatt rating, a voltage rating, battery voltage, frequency, and number of phases.

7. It shall be possible to view and/or adjust the following time delays:

a. Time delay for engine start with an adjustment range of 0-5 minutes in one (1) second increments.
b. Time delay for engine cool down with an adjustment range of 0-10 minutes in one (1) second increments.
c. Real time clock and calendar for time stamping of events.
d. Relay driver output timer adjustment range of 0-10 minutes.
e. Relay driver output for shedding loads if the generator should reach 100% of its rated KW or if the generator output voltage should fall below 59 Hz on 60 Hz systems.
f. Programmable cyclic cranking that allows up to six crank cycles and up to 45 seconds of crank time.

8. The controller shall be capable of detecting the following conditions, indicate if the condition will shutdown the generator or provide a warning, and annunciate the condition, using words and phrases, on the digital display.

a. The following shall cause a system shutdown: air damper tripped (if used), customer auxiliary input, emergency stop, high coolant temperature, high oil temperature, controller internal fault, locked rotor, low coolant level, low oil pressure, NFPA common alarm, overcrank, overspeed.

b. The following shall cause a warning but leave the generator running: Battery charger failure, coolant temperature gauge signal loss, customer auxiliary input, power system supply load, high battery voltage, high coolant temperature, load shed, low output voltage, low battery voltage, low coolant temperature, low fuel level or pressure, low oil pressure, NFPA common alarms, overcurrent, oil pressure gauge signal loss, speed sensor fault, weak battery, (and ground fault detected).

9. There shall be four (4) dry contact inputs that can be user configured and displayed using words or phrases on the digital display in addition to the following standard inputs: reset of system faults, remote two-wire start, remote emergency stop, (and external ground fault detector displayed as "ground fault" on digital display).

10. In addition to all NFPA 110 Level 1 outputs, the controller shall have ten (10) relay driver outputs available for interfacing to other equipment.

11. Programming the controller shall be performed with the controller keypad or by using an IBM compatible personal computer. Programming access shall be password protected, and provisions shall be made for disabling the programming feature to insure protection from accidental changes to system settings during monitoring.

12. The controller shall have the capability to coordinate with the transfer switches for communicating with a personal computer using optional RS-232 or RS-485 communication formats. It shall be possible to add this capability in the field using plug connected modules.

G. Accessories – The following accessories shall be provided:

1. A block heater shall be thermostatically controlled and sized to maintain engine coolant at proper temperature to meet requirements of NFPA-110 regulation. The heater control shall be engine mounted and pre-wired by supplier.

2. Generator control panel strip heater for high humidity applications. The Electrical Contractor shall provide branch circuit wiring from a normal power source as shown on the drawings.

3. Overvoltage protection shall shut down the unit after 1 second of 15% or more overvoltage.

4. A common failure relay shall be provided for remote signaling of the auxiliary fault, emergency stop, high engine temperature, low oil pressure, overcrank, and overspeed. The relay shall be SPDT with contacts rated 10 amps for both 120VAC and 28VDC.

5. A controller connection kit for providing a cable connection of controller output terminals to a terminal strip inside the generator junction box.

6. A weatherproof, level 2 sound attenuated housing for the generator set. The housing shall be manufactured by the generator equipment manufacturer.

7. A dry contact kit for interfacing between engine-generator controller signals and any customer-supplied accessories requiring contact closure for activation of warning devices such as lamps or horns. The contact kit shall consist of four SPDT relays with contacts rated 3 amps at 250VAC.

8. A float/equalize battery charger with alarm feature for signaling the engine-generator controller of a battery charger fault.

9. A remote emergency stop push-button shall shutdown the engine-generator from a remote station.

10. A battery rack, battery cables, and 12-volt lead-antimony batteries capable of delivering the manufacturer's recommended minimum cold-cranking Amps required at 0°F, per SAE Standard J-537. The battery rack shall be mounted within the engine-generator skid base.

11. A 10-ampere automatic float and equalize battery charger with +/-1% constant voltage regulation from no load to full load over +/-10% AC input line variation, current limited during engine cranking and short circuit conditions, temperature compensated for ambients from -40°C to +60°C, 5% accurate voltmeter and ammeter, fused, reverse polarity and transient protected. Also provide an alarm circuit board to meet the requirements of NFPA 110 for remote indication of low battery voltage, high battery voltage, and battery charger malfunction. The Electrical Contractor shall provide branch circuit wiring from a normal power source as shown on the Drawings. The battery charger shall be rated for 120V, 60Hz input.

12. Gas-proof, seamless, stainless steel, flexible exhaust bellows with threaded NPT connections. The engine exhaust silencer shall be coated to be temperature and rust resistance with integral condensate drain, rated for critical application.

H. Exterior Weatherproof Housing: Provide a Weatherproof Exterior Housing with intake and exhaust louvers, lockable access panels for maintenance, and sheet metal construction.
a. The muffler(s) shall be located inside the housing. Provide a rain shield over the exhaust opening.

b. For mufflers located inside the housing, the housing shall attenuate sound to a nominal 75 dba measured at 25 feet.

I. Acceptable Manufacturers

1. Acceptable manufacturers for the Emergency/Standby Power Generator System shall be:
a. Caterpillar
b. Kohler
c. Cummins
d. Generac

PART 3 – EXECUTION

3.01 EMERGENCY/STANDBY POWER GENERATOR SYSTEM

A. Install the emergency/standby engine-generator set on a concrete support structure. The assembly must support the weight of the gen-set and all periferal equipment, including dynamic loads. The E.C. shall coordinate with equipment manufacturer for exact dimensions.

B. All conduit connections made to the generator or the integral control panel shall be made with flexible metal conduit, approved as a grounding path.

C. The Electrical Contractor shall be responsible for all the control wiring and conduit from the generator to transfer switches, excercisers alarms, float switches, level indicators or other system control devices The Electrical Contractor shall coordinate fuel connections with the Mechanical Contractor and the Emergency/Standby Generator manufacturer.

D. Product information, factory test reports, installation drawings and wiring diagrams shall be submitted as part of the Shop Drawings.

E. All enclosures containing emergency circuits shall be permanently marked with a red label indicating "CONTAINS EMERGENCY CIRCUITS" per NEC Article 700.9(a). This shall include but not be limited to the Emergency Generator, Transfer Switches, Emergency Panels, and all junction boxes.

SECTION 16415

TRANSFER SWITCHES

PART 1 – GENERAL

1.01 WORK INCLUDES

A. Automatic Transfer Switch

1.02. RELATED WORK SPECIFIED ELSEWHERE

A. Section 16010 – General Electrical Provisions
B. Section 16050 – Basic Materials and Methods

1.03 DESCRIPTION OF WORK

A. Automatic Transfer Switches shall be provided to automatically start the engine-generator set and transfer the load circuits to standby power when the normal power source fails, to automatically retransfer the load circuits back to the normal power source when it is restored to rated voltage, and to stop the engine-generator set.

PART 2 – PRODUCTS

2.01 AUTOMATIC TRANSFER SWITCHES

A. Automatic Transfer Switches shall be of proper design and capacity as indicated on the Drawings and specified herein. Transfer switch contacts shall be of the 600 volt type for all classes of loads, rated for continuous duty, and enclosed in NEMA-1 cabinets. The automatic transfer switch shall be rated to withstand the rms symmetrical short circuit current available at the automatic transfer switch terminals with the type of overcurrent protection, voltage and X/R ratio as indicated on the drawings.

B. Each pole shall be of the double break contactor type capable of switching both inductive and resistive loads. Thermal capacity of each contact shall allow for inrush currents at least 20 times at the continuous rating. Contact pressure shall be maintained by a device not part of the current carrying path. Each pole shall be totally enclosed in a separate heat resistant chamber to prevent cross arcing between poles. Circuit breaker type poles are not acceptable. All transfer switches shall be 3 pole, solid neutral and shall have a fully rated overlapping neutral connection, unless indicated otherwise.

C. The operating coils shall be rated for continuous duty.

D. Both the normal and the emergency sides of each transfer switch shall be mechanically held and electrically and mechanically interlocked with auxiliary contacts. A mechanical interlock mechanism shall prevent both sources from supplying the load simultaneously. The switch mechanism shall provide an inherent "quick-make," "quick-break" operation of contacts.

E. Each transfer switch shall be listed under Underwriters Laboratories Standard 1008 and shall meet all performance requirements of the latest editions of the NFPA, IEEE Standards 446 and 241, and NEMA Standard ICS2-447.

F. Each transfer switch shall be warranted for five years against defects in materials and factory workmanship.

G. Transfer Switch Control System

1. A control module shall direct the operation of each transfer switch. The module's sensing and logic shall be a built-in microprocessor-based system for maximum reliability, minimum maintenance, and inherent digital communications capability. The control settings shall be stored in nonvolatile EEPROM. The module shall contain an integral programmable clock and calendar. The control module shall have a keyed disconnect plug to enable the control module to be disconnected form the transfer mechanism for routine maintenance.

a. The control module shall be mounted separately from the transfer mechanism unit for safety and ease of maintenance. Interfacing relays shall be industrial control grade plug-in type with dust cover.

2. The control module shall include programming keypad, alpha-numeric display for monitoring settings and diagnostic values, key-lockable program selector switch, light-emitting diode status indication, and user instructions. These features shall be user accessible when the enclosure door is closed.

3. The control module shall be capable of storing the following records in memory for access locally at the control module:

a. Number of hours the transfer switch is in the emergency position (total and since record reset)
b. Total days that control has been energized (total and since record reset)
c. Total transfers in either direction (total and since record reset)
d. Date of record reset
e. Date of last exercise period
f. Date, time, and description of the last four source failures
g. Elapsed time during the most recent outage

H. Operation

1. Source Voltages

a. The voltage of each phase of the normal source and of the emergency source shall be monitored with pickup adjustable from 75 % to 100 % and dropout adjustable from 70 % to 95 % of nominal. Adjustment shall be digital.

b. An automatic minimum differential of 2 % shall be maintained between pickup and dropout settings.

c. Repetitive accuracy of the setting shall be + 2 % maximum over an operating temperature range of -20°F to 150°F (-29°C to 65.5°C).

d. The settings shall be fully field-adjustable by keypad or keyboard (local or remote) in increments of 1 Volt without opening the enclosure door and without the use of special tools or separate meters.

e. Factory settings shall be pickup at 90 % and dropout at 85 %.

2. Time Delays

a. The control module shall include four time delays that are fully field-adjustable by keypad or keyboard in increments of 1 second over the entire range.

b. Adjustments and viewing of the time delay values shall be accessible when the enclosure door is closed.

c. Required time delays
1) Time delay for engine start to delay initiation of transfer for momentary source outages: Range 0-6 seconds. Factory set at 5 seconds.

2) Time delay for transfer to emergency: Range 0-5 minutes. Factory set at 5 seconds.

3) Time delay for transfer back to normal: Range 0-30 minutes. Factory set at 15 minutes.

4) Time delay for engine cooldown: Range 0-30 minutes. Factory set at 5 minutes.

5) Input values outside the allowable parameters shall cause a "range error" message to be displayed.

3. The user shall have the ability to manually program an engine start and run for a period of up to 72 hours in the loaded or unloaded mode of operation. The time delay transfer to emergency and/or normal may be bypassed during the run period. A numeric indication shall be displayed of the run time remaining in hours and minutes. The run period may be stopped at any time with a single key stroke. After the run period has stopped, the engine shall run unloaded for the cooldown time.

4. User terminals shall be available to connect a normally closed contact that, when opened, signals the control module to start and transfer load to the engine-generator. Closing these contacts shall initiate a retransfer and engine cooldown sequence. The load shall be transferred to an available utility source immediately if the generator source should fail.

5. The following features shall be built into the control module logic. These features shall be enabled at the factory or in the field by installing an insulated program jumper provided by the vendor as standard.

a. Plant Exerciser: Programmable seven day, fourteen day or calendar exerciser. Each exerciser mode shall be capable of performing up to two exercise runs in up to five exercise event periods. The exercise time may be reset at any time with a single key stroke. The engine shall be allowed to run when the exercise period is terminated.

b. All phases of normal and all or single phases of emergency shall be monitored for overvoltage and single phase of normal and emergency for over- and under-frequency. The values shall be programmed with the enclosure door closed.

c. In-phase monitoring shall continuously monitor the contactor transfer times, source voltage, frequency and phase angle to provide a self-adjusting, zero crossing contactor transfer signal.

d. Manual operation override shall function to bypass any manual switch accessories if the source to which the transfer switch is positioned fails. This program jumper shall be factory installed.

6. Status Indicators – Light-emitting diodes shall indicate the status of the following:

a. Contactor Position:
1) Red – emergency position
2) Green – normal position

b. Source available:
1) Red – emergency power acceptable
2) Green – normal power acceptable

c. Time delays to indicate timer start and completion:
1) Engine start
2) Normal to emergency
3) Emergency to normal
4) Engine cooldown

d. System Status:
1) Transfer Switch Position Sensing Fault
2) Transfer Switch Fail to Transfer
3) Internal Control Module Fault
4) Manual Transfer Operation
5) External Fault Condition (two inputs)
6) Not In Automatic
7) Programming Switch Not In Off
8) The system status messages shall also be shown on the alpha- numeric display.

e. Accessory Active:
1) Plant Exerciser
2) In-Phase Monitor

f. A lamp test push button shall illuminate all light-emitting diodes.

7. A momentary-type test switch shall be provided to simulate a normal source failure.

8. The transfer switch shall have load-shed and sequencing capability to allow selected loads to be disconnected prior to transfer in either direction. It shall be possible to vary the time sequence for reenergizing of the loads.

9. A set of gold-plated contacts rated 10 amp, 32 VDC shall be provided for a low-voltage engine start signal when the normal source fails.

10. The controller shall have the capability to coordinate with the generator controller for communicating with an IBM compatible personal computer using (RS-232)(RS-485) communication formats. It shall be possible to add this capability in the field using plug connected modules.

11. The control panel shall meet or exceed the voltage surge withstand capability in accordance with IEEE Standard 472-1974 (ANSI 90a-1974) and the impulse withstand voltage test in accordance with the proposed NEMA Standard ICS 1-109. The control panel shall conform to the test requirements of UL 991 for transient overvoltage, electromagnetic susceptibility, and electrostatic discharge.

I. Test and Certification – All production units shall be subjected to the following factory tests:

1. Each complete transfer switch shall be tested to ensure proper operation of the individual components and correct overall sequence of operation and to ensure that the operating transfer time, voltage, frequency and time delay settings are in compliance with the Specification requirements.

2. Each transfer switch shall be subjected to a dielectric strength test per NEMA Standard ICS 1-109.21.

K. Acceptable Manufacturers

1. Acceptable Manufacturer for the automatic transfer switches shall be equal to the generator set manufacturer.

PART 3 – EXECUTION

3.01 EXECUTION

A. The Electrical Contractor shall be responsible for all the control wiring and conduit from the transfer switches to the generator or other system control devices. The Electrical Contractor shall coordinate exact requirements with the Emergency/Standby Power Generation System Manufacturers.

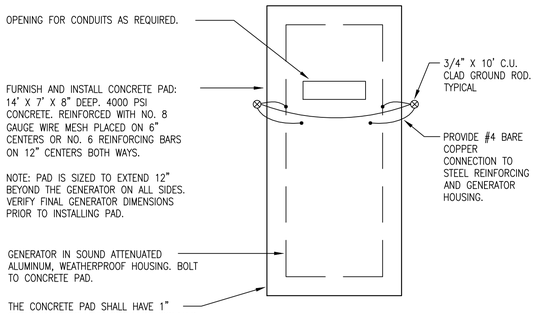
B. Product information, factory test reports, installation drawings and wiring diagrams shall be submitted as part of the Shop Drawings.

C. All enclosures containing emergency circuits shall be permanently marked with a red label indicating "CONTAINS EMERGENCY CIRCUITS" per NEC Article 700-9(a). This shall include but not be limited to the Emergency Generator, Transfer Switches, Emergency Panels, and all junction boxes.

D. Wall mounted applications, install the automatic transfer switches so the top of the switches are at 6'-0" above the finished floor.

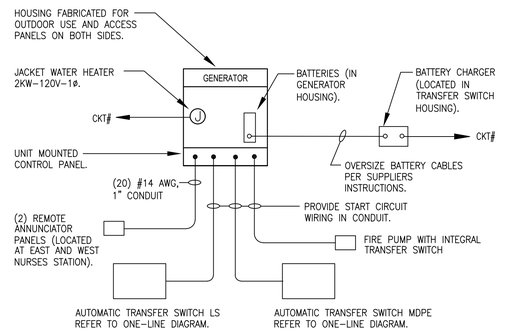
E. A manufacturer's representative shall supervise installation of the transfer switches and provide programming and adjustments as required.

F. A manufacturer's representative shall initiate the primary start-up/commissioning including a two(2) hour load bank test. Engineer shall be notified in advance of testing by the E.C.. The E.C. shall included report in the close out documentation.



GENERATOR PAD DETAIL

SCALE: NONE



EMERGENCY GENERATOR BLOCK DIAGRAM PAD MOUNTED OUTDOORS

SCALE: NONE

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1915 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
GENERATOR DETAILS

DAI PROJECT NO.
26032

E0.4

2026-06-24 - 1/8" = 1'-0"

GENERAL ELECTRICAL NOTES

1. UTILIZATION OF THE ABBREVIATIONS "EC", "MC", AND "GC" WITHIN THE CONTEXT OF THESE DOCUMENTS SHALL EXPLICITLY REPRESENT "ELECTRICAL CONTRACTOR", "MECHANICAL CONTRACTOR", AND "GENERAL CONTRACTOR" RESPECTIVELY.

2. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE VARIOUS EQUIPMENT PLACEMENTS, ROUGH-INS, BUILDING PENETRATIONS, AND SYSTEM RUNS WITH THE GC AND ALL OTHER TRADES, AND RESPECTIVE UTILITY COMPANIES PRIOR TO CONSTRUCTION AND PURCHASE/SHIPMENT OF MATERIALS.

3. THE ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF ALL LIGHT FIXTURES AND CEILING MOUNTED DEVICES WITH THE ARCHITECTURAL CEILING PLAN, SECTIONS, ELEVATIONS, AND DETAILS. THE ELECTRICAL CONTRACTOR SHALL ALSO COORDINATE LOCATION OF RECEPTACLES, DATA OUTLETS, AND ALL OTHER WALL MOUNTED DEVICES WITH THE ARCHITECTURAL WALL FINISHES AND ELEVATIONS.

4. THE ELECTRICAL WIRING CONNECTION AND PROTECTION REQUIREMENTS FOR OWNER FURNISHED EQUIPMENT SHALL BE VERIFIED IN THE FIELD WITH THE OWNER'S EQUIPMENT SUPPLIER AND WITH THE NAMEPLATE DATA. THE ELECTRICAL CONTRACTOR SHALL FURNISH THE PROPER NEMA RECEPTACLE CONFIGURATIONS, CONNECTIONS AND CIRCUITS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.

5. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR EXACT ELECTRICAL REQUIREMENTS SHALL BE VERIFIED IN THE FIELD WITH THE EQUIPMENT NAMEPLATE DATA. THE ELECTRICAL CONTRACTOR SHALL MAKE APPROPRIATE ADJUSTMENTS TO WIRE AND FUSE SIZES IN ACCORDANCE WITH THE NAMEPLATE DATA.

6. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SIZING OF ALL MOTOR OVERLOAD DEVICES (HEATERS) IN STARTERS BASED ON ACTUAL NAMEPLATE RATINGS ON THE MOTORS BEING INSTALLED.

7. THE MEANS OF DISCONNECT/CONTROL FOR ALL MOTORS AND EQUIPMENT SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION AND SHALL HAVE PROPER WORKING SPACE AS DEFINED IN NEC ARTICLE 100 AND 110.

8. CONNECT ALL EMERGENCY EGRESS/EXIT LIGHTING/EXIT SIGNAGE/NIGHT LIGHTING TO LOCAL LIGHTING BRANCH CIRCUIT, AHEAD OF LOCAL SWITCHING PER STATE AND LOCAL CODES.

9. THE ELECTRICAL CONTRACTOR SHALL VERIFY THAT ALL DOOR SWINGS ARE CORRECT BEFORE INSTALLING LIGHT SWITCH OUTLETS.

10. FINAL CONNECTIONS TO ALL LAY-IN FIXTURES SHALL BE MADE WITH FLEXIBLE CONDUIT, UNLESS OTHERWISE NOTED.

11. JUNCTION BOXES SHALL NOT BE INSTALLED ABOVE GYPBOARD CEILINGS, DUE TO INACCESSIBILITY. RELOCATE ALL J-BOXES TO AN ACCESSIBLE LOCATION, OR ABANDON.

12. THE ELECTRICAL CONTRACTOR SHALL REMOVE SUCH EXISTING WORK AS CALLED FOR IN THE DRAWINGS, OR AS REQUIRED TO CLEAR THE AREAS OF NEW CONSTRUCTION.

13. PROVIDE SEAL-OFFS WHERE CONDUITS PASSES THROUGH AREAS OF DIFFERENT AMBIENT TEMPERATURES AND/OR HAZARDOUS AREAS.

14. ALL BRANCH CIRCUITS AND FEEDERS SHALL CONTAIN INSULATED GROUNDING CONDUCTOR IN ACCORDANCE WITH SPECIFICATION SECTION 16400.

15. THE ROUTING OF ALL SURFACE MOUNTED/EXPOSED CONDUIT IN FINISHED AREAS (OR WHERE NOTED ON THE DRAWINGS) SHALL BE COORDINATED WITH, AND SHALL BE APPROVED BY THE ARCHITECT PRIOR TO INSTALLATION.

16. ALL LOW VOLTAGE AND SYSTEM CABLING LOCATED ABOVE CEILINGS SHALL BE PROPERLY RATED FOR THE APPLICATION. WITHOUT EXCEPTION, ALL CABLING SHALL BE HUNG FROM BRIDAL TYPE RINGS OR PLACED IN CABLE TRAY BY THE ELECTRICAL CONTRACTOR IN EXPOSED CEILING AREAS, ALL CABLING SHALL BE RUN IN CONDUIT TO THE NEAREST ACCESSIBLE CEILING LOCATION.

17. WIRE SIZES SHALL BE BASED ON THE 60°C. AMPACITIES FOR WIRE SIZES #14 THROUGH #1AWG, AND 75°C. AMPACITIES FOR WIRE SIZES #1/0 AWG AND LARGER.

18. ALL CONDUCTORS SHALL BE COPPER. ALUMINUM WIRING IS AN ACCEPTABLE ALTERNATE FOR FEEDERS 100 AMPERES OR LARGER.

19. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF ALL DEVICE BOXES FOR SECURITY SYSTEM, CONDUIT FOR LOW VOLTAGE CABLE AND 120V POWER FOR CARD READERS/SENSORS WITH THE OWNERS SECURITY SYSTEM VENDOR PRIOR TO ROUGH-IN.

20. COORDINATE COMMUNICATIONS CABLING, ROUTING, MOUNTING BOXES, AND TERMINATIONS WITH THE OWNER, ARCHITECT AND OWNERS COMMUNICATIONS CONSULTANT PRIOR TO ROUGH-IN.

21. ALL 15- AND 20-AMPERE, 120-VOLT NONLOCKING TYPE RECEPTACLES IN THE AREAS SPECIFIED IN NEC 406.12(1) THROUGH (7) SHALL BE LISTED TAMPER RESISTANT.

22. ALL CONDUIT PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS, OR SHAFTS SHALL BE SEALED IN ACCORDANCE WITH SPECIFICATIONS.

23. UTILIZATION OF THE PHRASE "PROVIDED BY" WITHIN THE CONTEXT OF THESE DOCUMENTS SHALL EXPLICITLY REPRESENT "FURNISHED AND INSTALLED BY".

24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTLY PHASING THE CIRCUITS IN THE PANELBOARDS. THREE SINGLE-PHASE CIRCUITS MAY BE COMBINED IN ONE CONDUIT WITH A COMMON NEUTRAL, AS INDICATED ON DRAWINGS, PROVIDED EACH CIRCUIT IS ON AN OPPOSITE PHASE.

25. LIGHTING FIXTURES INSTALLED IN SUSPENDED CEILINGS SHALL BE SUPPORTED FROM MAIN CHANNELS, OR TEES OR CEILING SUSPENSION SYSTEM INDEPENDENTLY OF CEILING MATERIAL.

26. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR ALL BRANCH CIRCUITS.

27. ALL CONDUITS THAT CROSS EXPANSION JOINTS SHALL HAVE EXPANSION SEISMIC COUPLINGS.

28. 120V.-20A. HOMERUNS SHALL BE #12AWG UNDER 100', #10AWG 100'-200' #8AWG 200'-300', UNLESS OTHERWISE NOTED.

29. MC CABLE MAY BE UTILIZED IN ALL AREAS AS APPROVED IN THE NATIONAL ELECTRICAL CODE.

30. COORDINATE LOCATIONS OF DEVICES WITH ARCHITECTURAL ELEVATIONS AND DETAILS. ARCHITECTURAL ELEVATIONS AND DETAILS TAKE PRECEDENCE OVER LOCATIONS SHOWN ON ELECTRICAL DRAWINGS.

31. VERIFY LOCATIONS AND ROUGH-IN REQUIREMENTS OF ALL OWNER FURNISHED EQUIPMENT PRIOR TO ROUGH-IN.

32. CONDUIT AND WIRE SHALL NOT BE INSTALLED BELOW FLOOR SLAB UNLESS INDICATED ON PLAN BY DASHED CONDUIT.

33. CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING ALL ELECTRICAL ITEMS SHOWN ON DRAWINGS EXCEPT FOR ITEMS LISTED IN NOTE

ELECTRICAL ABBREVIATIONS LIST

1P	1 POLE (2P, 3P, 4P, ETC.)	EC	ELECTRICAL CONTRACTOR	M/C	MOMENTARY CONTACT	SPKR	SPEAKER
A	AMPERE	ELEC	ELECTRIC, ELECTRICAL	MC	MECHANICAL CONTRACTOR	SP	SPARE
AC	ABOVE COUNTER OR AIR CONDITIONER	ELEV	ELEVATOR	MCB	MAIN CIRCUIT BREAKER	SR	SURFACE RACEWAY
		EM	EMERGENCY	MCC	MOTOR CONTROL CENTER	SS	STAINLESS STEEL
ACLG	ABOVE CEILING	EMS	ENERGY MANAGEMENT SYSTEM	MDC	MAIN DISTRIBUTION CENTER	SSW	SELECTOR SWITCH
ADO	AUTOMATIC DOOR OPENER	EMT	ELECTRICAL METALLIC TUBING	MDP	MAIN DISTRIBUTION PANEL	S/S	STOP/START PUSHBUTTONS
AF	AMP FRAME	EP	ELECTRIC PNEUMATIC	MFR	MANUFACTURER	STA	STATION
AFF	ABOVE FINISHED FLOOR	EQUIP	EQUIPMENT	MFS	MAIN FUSED DISCONNECT SWITCH	STD	STANDARD
AFG	ABOVE FINISHED GRADE	EWC	ELECTRIC WATER COOLER	MH	MANHOLE	SURF	SURFACE MOUNTED
AFCI	ARC FAULT CIRCUIT INTERRUPTER	EXIST	EXISTING	MIC	MICROPHONE	SW	SWITCH
		EXH	EXHAUST	MIN	MINIMUM	SWBD	SWITCHBOARD
AHU	AIR HANDLING UNIT	EXP	EXPLOSION PROOF	MISC	MISCELLANEOUS	SYM	SYMMETRICAL
AL	ALUMINUM	FA	FIRE ALARM	MLO	MAIN LUGS ONLY	SYS	SYSTEM
ALT	ALTERNATE	FABP	FIRE ALARM BOOSTER POWER SUPPLY PANEL	MMS	MANUAL MOTOR STARTER	TEL	TELEPHONE
AMP	AMPERE			MOA	MULTIOUTLET ASSEMBLY	TEL/DATA	TELEPHONE/DATA
AMPL	AMPLIFIER	FACP	FIRE ALARM CONTROL PANEL	MSP	MOTOR STARTER PANELBOARD	TERM	TERMINAL
ANNUN	ANNUNCIATOR	FCU	FAN COIL UNIT	MSBD	MAIN SWITCHBOARD	TL	TWIST LOCK
APPROX	APPROXIMATELY	FIXT	FIXTURE	MT	MOUNT	TR	TAMPER RESISTANT
AQ-STAT	AQUASTAT	FLR	FLOOR	MT.C	EMPTY CONDUIT	T-STAT	THERMOSTAT
ARCH	ARCHITECT, ARCHITECTURAL	FLUOR	FLUORESCENT	MTS	MANUAL TRANSFER SWITCH	TTC	TELEPHONE TERMINAL CABINET
AS	AMP SWITCH	FU	FUSE	MTR	MOTOR, MOTORIZED	TV	TELEVISION
AT	AMP TRIP	FUDS	FUSED SAFETY DISCONNECT SWITCH	N.C.	NORMALLY CLOSED	TVTC	TELEVISION TERMINAL CABINET
ATS	AUTOMATIC TRANSFER SWITCH	GA	GAUGE	NEC	NATIONAL ELECTRICAL CODE	TYP	TYPICAL
AUTO	AUTOMATIC	GAL	GALLON	NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION	UC	UNDER COUNTER
AUX	AUXILIARY	GALV	GALVANIZED			UE	UNDERGROUND ELECTRICAL
AV	AUDIO VISUAL	GC	GENERAL CONTRACTOR	NFDS	NON-FUSED SAFETY DISCONNECT SWITCH	UG	UNDERGROUND
AWG	AMERICAN WIRE GAUGE	GEN	GENERATOR			UH	UNIT HEATER
BATT	BATTERY	GFI	GROUND FAULT CIRCUIT INTERRUPTER	NIC	NOT IN CONTRACT	UT	UNDERGROUND TELEPHONE
BD	BOARD	GFP	GROUND FAULT PROTECTOR	NL	NIGHT LIGHT	UTIL	UTILITY
BLDG	BUILDING	GND	GROUND	N.O.	NORMALLY OPEN	UV	UNIT VENTILATOR OR ULTRAVIOLET
BMS	BUILDING MANAGEMENT SYSTEM	GRS	GALVANIZED RIGID STEEL (CONDUIT)	NPF	NORMAL POWER FACTOR		
C	CONDUIT	GYP BD	GYPSUM BOARD	NTS	NOT TO SCALE	V	VOLT
CAB	CABINET	HOA	HANDS-OFF-AUTOMATIC SWITCH	OH	OVERHEAD	VA	VOLT-AMPERES
CAT	CATALOG	HORIZ	HORIZONTAL	OL	OVERLOADS	VDT	VIDEO DISPLAY TERMINAL
CATV	CABLE TELEVISION	HP	HORSEPOWER	PA	PUBLIC ADDRESS	VERT	VERTICAL
CB	CIRCUIT BREAKER	HPF	HIGH POWER FACTOR	PB	PULL BOX OR PUSHBUTTON	VFD	VARIABLE FREQUENCY DRIVE
CCTV	CLOSED CIRCUIT TELEVISION	HT	HEIGHT	PE	PNEUMATIC ELECTRIC	VOL	VOLUME
CKT	CIRCUIT	HTG	HEATING	PED	PEDESTAL	W	WATT
CLG	CEILING	HTR	HEATER	PF	POWER FACTOR	W/	WITH
COMB	COMBINATION	HV	HIGH VOLTAGE	PH	PHASE	WG	WIRE GUARD
CMPR	COMPRESSOR	HVAC	HEATING, VENTILATING AND AIR CONDITIONING	PIV	POST INDICATING VALVE	WH	WATER HEATER
CONN	CONNECTION			PNL	PANEL	W/O	WITHOUT
CONST	CONSTRUCTION	HWP	HYDRONIC WATER PUMP	PP	POWER POLE	WP	WEATHERPROOF
CONT	CONTINUATION OR CONTINUOUS	IC	INTERRUPTING CAPACITY	PR	PAIR	XFMR	TRANSFORMER
CONTR	CONTRACTOR	IG	ISOLATED GROUND	PRI	PRIMARY	XFR	TRANSFER
CONV	CONVECTOR	IMC	INTERMEDIATE METAL CONDUIT	PROJ	PROJECTION		
CP	CIRCULATING PUMP	INCAND	INCANDESCENT	PRV	POWER ROOF VENTILATOR		
CRT	CATHODE-RAY TUBE	IR	INFRARED	PT	POTENTIAL TRANSFORMER		
CT	CURRENT TRANSFORMER	I/W	INTERLOCK WITH	PVC	POLYVINYL CHLORIDE (CONDUIT)		
CTR	CENTER	J-BOX	JUNCTION BOX	PWR	POWER		
CU	COPPER	KV	KILOVOLT	QUAN	QUANTITY		
DCP	DOMESTIC WATER CIRCULATING PUMP	KVA	KILOVOLT-AMPERE	RCPT	RECEPTACLE		
DEPT	DEPARTMENT	KVAR	KILOVOLT-AMPERE REACTIVE	REQD	REQUIRED		
DET	DETAIL	KW	KILOWATT	RM	ROOM	∠	ANGLE
DIA	DIAMETER	KWH	KILOWATT HOUR	RSC	RIGID STEEL CONDUIT	@	AT
DISC	DISCONNECT	LOC	LOCATE OR LOCATION	RTU	ROOF TOP UNIT	▲	DELTA
DIST	DISTRIBUTION	LT	LIGHT	SC	SURFACE CONDUIT	'	FEET
DN	DOWN	LTG	LIGHTING	SEC	SECONDARY	"	INCHES
DPR	DAMPER	LTNG	LIGHTNING	SHT	SHEET	#	NUMBER
DS	SAFETY DISCONNECT SWITCH	LV	LOW VOLTAGE	SIM	SIMILAR	Ø	PHASE
DT	DOUBLE THROW	MAX	MAXIMUM	S/N	SOLID NEUTRAL	℄	CENTER LINE
DWG	DRAWING	MAG.S	MAGNETIC STARTER	SPEC	SPECIFICATION	P	PLATE

* NOTE *

ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET.THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

DSC
ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1915 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

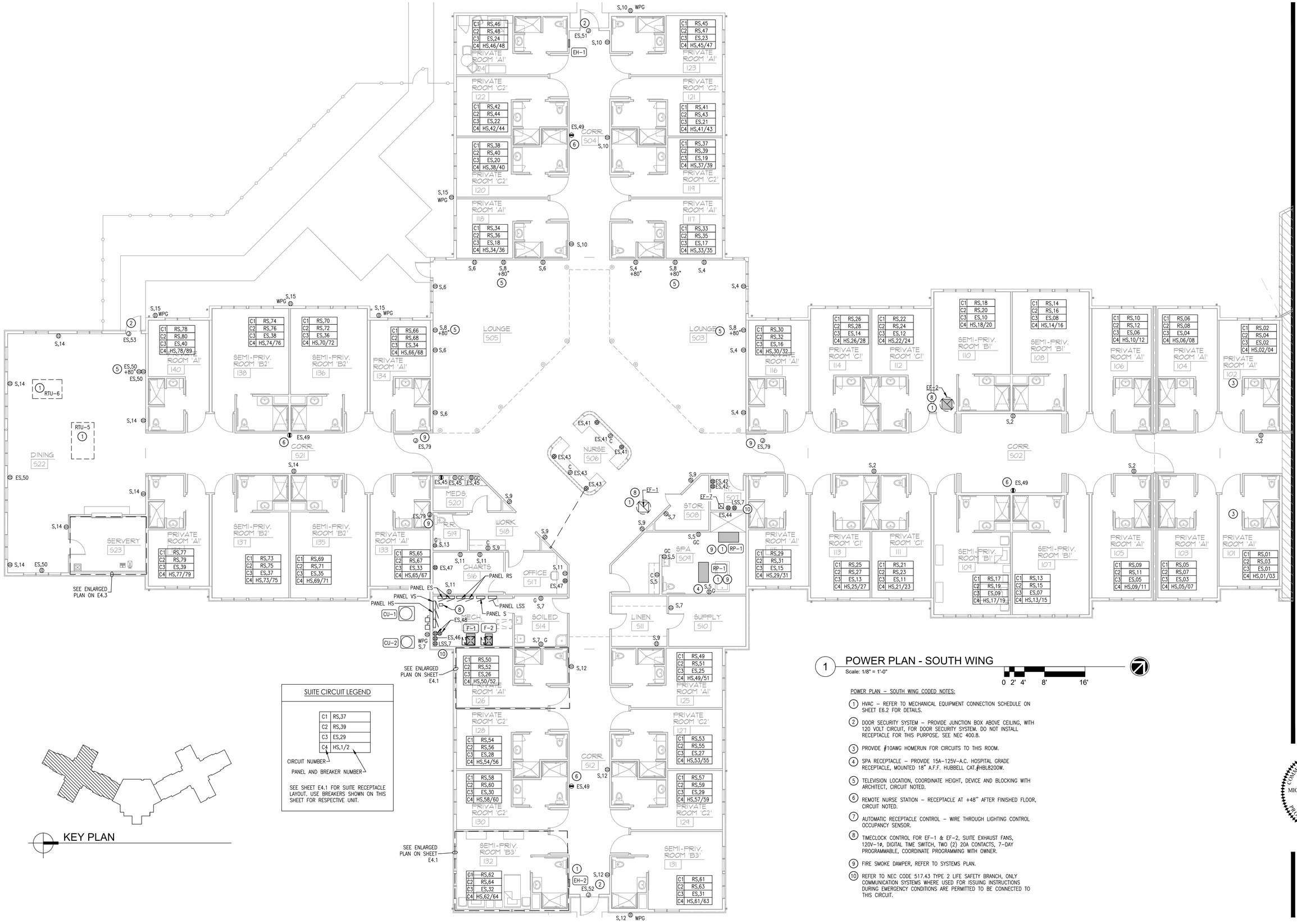
COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
ELECTRICAL NOTES

DAI PROJECT NO.
26032

E0.5

2026-06-24 - 1/8" = 1'-0"



SUITE CIRCUIT LEGEND

C1	RS,37
C2	RS,39
C3	ES,29
C4	HS,1/2

CIRCUIT NUMBER

PANEL AND BREAKER NUMBER

SEE SHEET E4.1 FOR SUITE RECEPTACLE LAYOUT. USE BREAKERS SHOWN ON THIS SHEET FOR RESPECTIVE UNIT.

KEY PLAN

1 POWER PLAN - SOUTH WING

Scale: 1/8" = 1'-0"

0 2' 4' 8' 16'

POWER PLAN – SOUTH WING CODED NOTES:

1. HVAC – REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON SHEET E6.2 FOR DETAILS.
2. DOOR SECURITY SYSTEM – PROVIDE JUNCTION BOX ABOVE CEILING, WITH 120 VOLT CIRCUIT, FOR DOOR SECURITY SYSTEM. DO NOT INSTALL RECEPTACLE FOR THIS PURPOSE. SEE NEC 400.8.
3. PROVIDE #10AWG HOMERUN FOR CIRCUITS TO THIS ROOM.
4. SPA RECEPTACLE – PROVIDE 15A–125V–A.C. HOSPITAL GRADE RECEPTACLE, MOUNTED 18" A.F.F. HUBBELL CAT.#HBL8200W.
5. TELEVISION LOCATION, COORDINATE HEIGHT, DEVICE AND BLOCKING WITH ARCHITECT, CIRCUIT NOTED.
6. REMOTE NURSE STATION – RECEPTACLE AT +48" AFTER FINISHED FLOOR, CIRCUIT NOTED.
7. AUTOMATIC RECEPTACLE CONTROL – WIRE THROUGH LIGHTING CONTROL OCCUPANCY SENSOR.
8. TIMECLOCK CONTROL FOR EF–1 & EF–2, SUITE EXHAUST FANS, 120V–1ø, DIGITAL TIME SWITCH, TWO (2) 20A CONTACTS, 7–DAY PROGRAMMABLE, COORDINATE PROGRAMMING WITH OWNER.
9. FIRE SMOKE DAMPER, REFER TO SYSTEMS PLAN.
10. REFER TO NEC CODE 517.43 TYPE 2 LIFE SAFETY BRANCH, ONLY COMMUNICATION SYSTEMS WHERE USED FOR ISSUING INSTRUCTIONS DURING EMERGENCY CONDITIONS ARE PERMITTED TO BE CONNECTED TO THIS CIRCUIT.

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENNETT'S CREEK
HEALTH & REHABILITATION CENTER

19311975 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

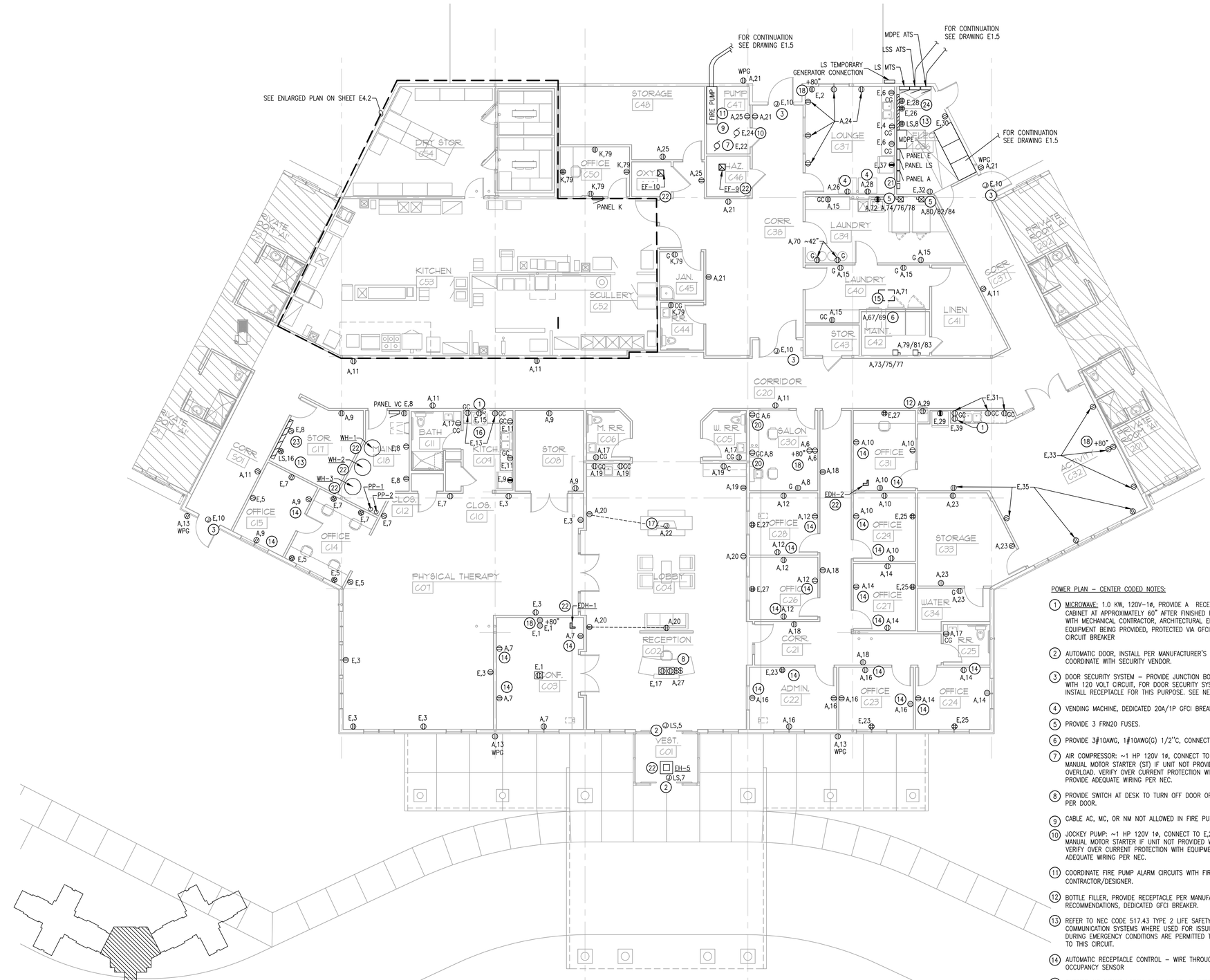
COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
POWER PLAN
SOUTH WING

DAI PROJECT NO.
26032

E1.1

2026-06-24 - 1/8" = 1'-0"



KEY PLAN
1/16"=1'-0"

1 POWER PLAN - CENTER
Scale: 1/8" = 1'-0"

0 2' 4' 8' 16'

POWER PLAN – CENTER CODED NOTES:

1. MICROWAVE: 1.0 KW, 120V–1ø, PROVIDE A RECEPTACLE IN UPPER CABINET AT APPROXIMATELY 60" AFTER FINISHED FLOOR, COORDINATE WITH MECHANICAL CONTRACTOR, ARCHITECTURAL ELEVATIONS AND EQUIPMENT BEING PROVIDED, PROTECTED VIA GFCI 20A/1P DEDICATED CIRCUIT BREAKER
2. AUTOMATIC DOOR, INSTALL PER MANUFACTURER'S RECOMMENDATIONS. COORDINATE WITH SECURITY VENDOR.
3. DOOR SECURITY SYSTEM – PROVIDE JUNCTION BOX ABOVE CEILING, WITH 120 VOLT CIRCUIT, FOR DOOR SECURITY SYSTEM. DO NOT INSTALL RECEPTACLE FOR THIS PURPOSE. SEE NEC 400.8.
4. VENDING MACHINE, DEDICATED 20A/1P GFCI BREAKER
5. PROVIDE 3 FRN20 FUSES.
6. PROVIDE 3#10AWG, 1#10AWG(G) 1/2"C, CONNECT TO PANEL A.
7. AIR COMPRESSOR: ~1 HP 120V 1ø, CONNECT TO E,22. PROVIDE MANUAL MOTOR STARTER (ST) IF UNIT NOT PROVIDED WITH OVERLOAD. VERIFY OVER CURRENT PROTECTION WITH EQUIPMENT. PROVIDE ADEQUATE WIRING PER NEC.
8. PROVIDE SWITCH AT DESK TO TURN OFF DOOR OPERATORS, LABEL PER DOOR.
9. CABLE AC, MC, OR NM NOT ALLOWED IN FIRE PUMP ROOM.
10. JOCKEY PUMP: ~1 HP 120V 1ø, CONNECT TO E,24. PROVIDE MANUAL MOTOR STARTER IF UNIT NOT PROVIDED WITH OVERLOAD. VERIFY OVER CURRENT PROTECTION WITH EQUIPMENT. PROVIDE ADEQUATE WIRING PER NEC.
11. COORDINATE FIRE PUMP ALARM CIRCUITS WITH FIRE ALARM CONTRACTOR/DESIGNER.
12. BOTTLE FILLER, PROVIDE RECEPTACLE PER MANUFACTURER'S RECOMMENDATIONS, DEDICATED GFCI BREAKER.
13. REFER TO NEC CODE 517.43 TYPE 2 LIFE SAFETY BRANCH, ONLY COMMUNICATION SYSTEMS WHERE USED FOR ISSUING INSTRUCTIONS DURING EMERGENCY CONDITIONS ARE PERMITTED TO BE CONNECTED TO THIS CIRCUIT.
14. AUTOMATIC RECEPTACLE CONTROL – WIRE THROUGH ROOM OCCUPANCY SENSOR
15. OUTSIDE AIR INTAKE LOREN COOK MODEL GI THROAT AREA 16/18 (2 SQ. FT.) 29/36 HOOD WITH BIRDSCREEN. COMPLETE WITH ROOF CURB, BIRDSCREEN AND MOTORIZED DAMPERS. INTERLOCK DRYERS WITH MOTORIZED DAMPER. DAMPER SHALL OPEN WHENEVER ONE DRYER IS OPERATING.
16. ELECTRICAL CONNECTION FOR RANGE NOT PROVIDED PER DIRECTION OF OWNER.
17. GAS FIREPLACE IGNITER.
18. TELEVISION, COORDINATE HEIGHT WITH ARCHITECT AND OWNER.
19. NOT USED.
20. COORDINATE SALON RECEPTACLE LOCATIONS WITH MILLWORK AND OWNER.
21. TIMECLOCK CONTROL FOR EF–3, EXHAUST FAN, 120V–1ø, DIGITAL TIME SWITCH, TWO (2) 20A CONTACTS, 7–DAY PROGRAMMABLE, COORDINATE PROGRAMMING WITH OWNER
22. HVAC – REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON SHEET E6.2 FOR DETAILS.
23. COMMUNICATIONS BACKBOARD FOR DEMARC.
24. ADDITIONAL COMMUNICATIONS BACKBOARD FOR SYSTEMS.

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1915 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

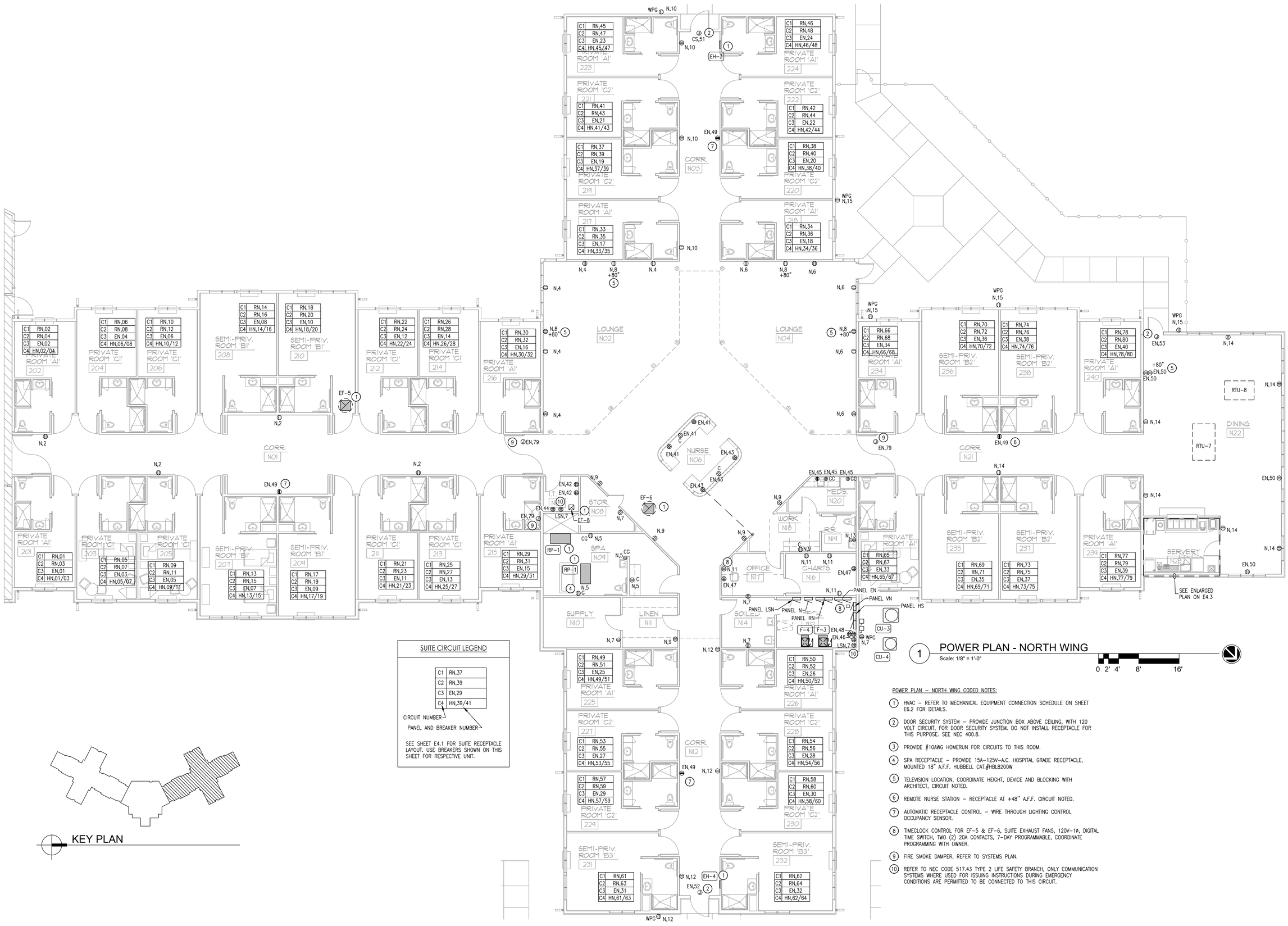
COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
POWER PLAN - CENTER

DAI PROJECT NO.
26032

E1.2

2026-06-24 - 1/8" = 1'-0"



SUITE CIRCUIT LEGEND

C1	RN,37
C2	RN,39
C3	EN,29
C4	HN,39/41

CIRCUIT NUMBER

PANEL AND BREAKER NUMBER

SEE SHEET E4.1 FOR SUITE RECEPTACLE LAYOUT. USE BREAKERS SHOWN ON THIS SHEET FOR RESPECTIVE UNIT.

KEY PLAN

1 POWER PLAN - NORTH WING

Scale: 1/8" = 1'-0"

0 2' 4' 8' 16'

POWER PLAN – NORTH WING CODED NOTES:

1. HVAC – REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE ON SHEET E6.2 FOR DETAILS.
2. DOOR SECURITY SYSTEM – PROVIDE JUNCTION BOX ABOVE CEILING, WITH 120 VOLT CIRCUIT, FOR DOOR SECURITY SYSTEM. DO NOT INSTALL RECEPTACLE FOR THIS PURPOSE. SEE NEC 400.8.
3. PROVIDE #10AWG HOMERUN FOR CIRCUITS TO THIS ROOM.
4. SPA RECEPTACLE – PROVIDE 15A–125V–A.C. HOSPITAL GRADE RECEPTACLE, MOUNTED 18" A.F.F. HUBBELL CAT.#HBL8200W
5. TELEVISION LOCATION, COORDINATE HEIGHT, DEVICE AND BLOCKING WITH ARCHITECT, CIRCUIT NOTED.
6. REMOTE NURSE STATION – RECEPTACLE AT +48" A.F.F. CIRCUIT NOTED.
7. AUTOMATIC RECEPTACLE CONTROL – WIRE THROUGH LIGHTING CONTROL OCCUPANCY SENSOR.
8. TIMECLOCK CONTROL FOR EF-5 & EF-6, SUITE EXHAUST FANS, 120V–1ø, DIGITAL TIME SWITCH, TWO (2) 20A CONTACTS, 7-DAY PROGRAMMABLE, COORDINATE PROGRAMMING WITH OWNER.
9. FIRE SMOKE DAMPER, REFER TO SYSTEMS PLAN.
10. REFER TO NEC CODE 517.43 TYPE 2 LIFE SAFETY BRANCH, ONLY COMMUNICATION SYSTEMS WHERE USED FOR ISSUING INSTRUCTIONS DURING EMERGENCY CONDITIONS ARE PERMITTED TO BE CONNECTED TO THIS CIRCUIT.

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
193/1915 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

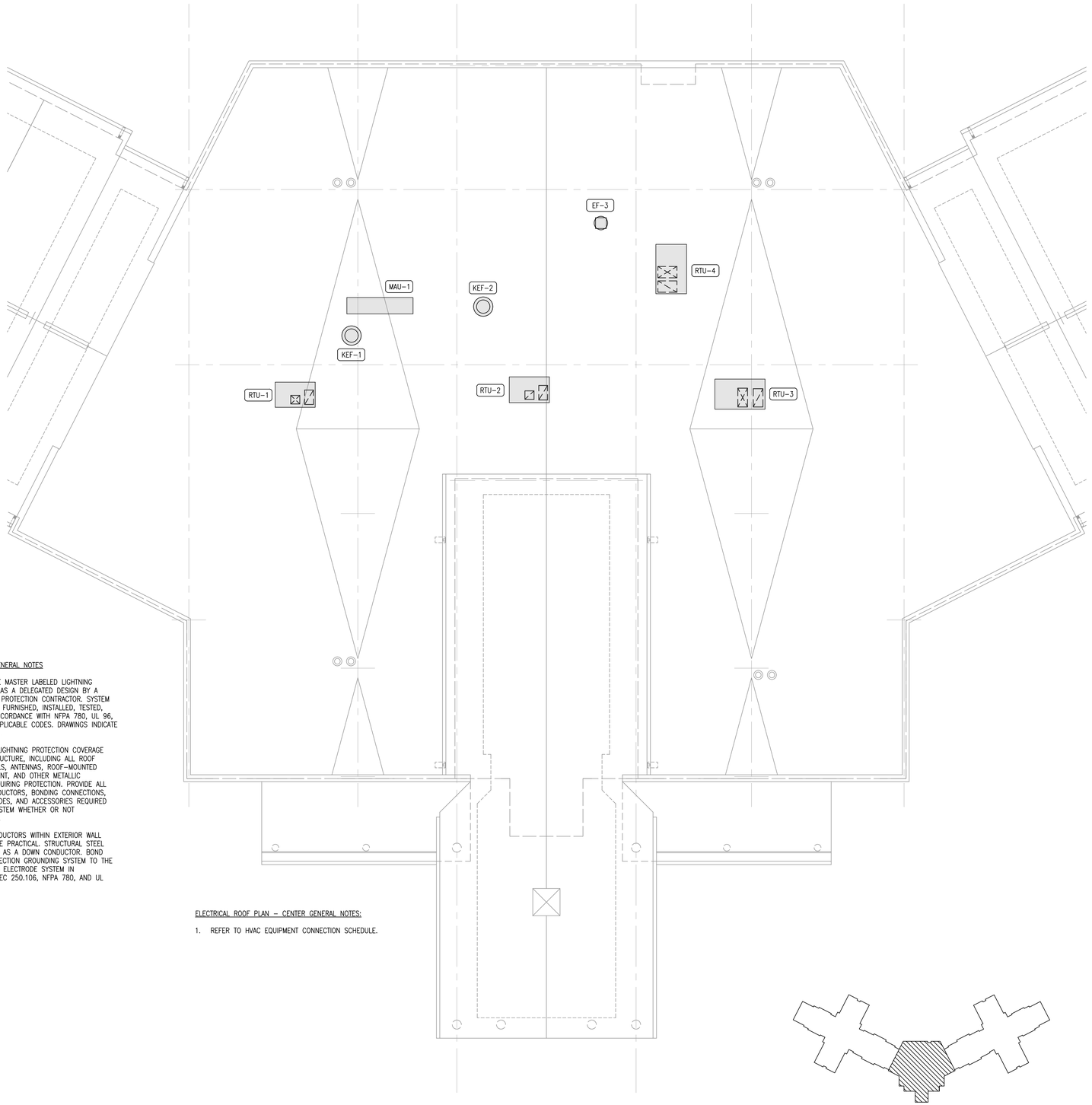
COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
POWER PLAN
NORTH WING

DAI PROJECT NO.
26032

E1.3

2026-06-24 - 1/8" = 1'-0"



LIGHTNING PROTECTION GENERAL NOTES

1. PROVIDE A COMPLETE MASTER LABELED LIGHTNING PROTECTION SYSTEM AS A DELEGATED DESIGN BY A CERTIFIED LIGHTNING PROTECTION CONTRACTOR. SYSTEM SHALL BE DESIGNED, FURNISHED, INSTALLED, TESTED, AND CERTIFIED IN ACCORDANCE WITH NFPA 780, UL 96, UL 96A, AND ALL APPLICABLE CODES. DRAWINGS INDICATE DESIGN INTENT ONLY.

2. PROVIDE COMPLETE LIGHTNING PROTECTION COVERAGE FOR THE ENTIRE STRUCTURE, INCLUDING ALL ROOF AREAS, SCREEN WALLS, ANTENNAS, ROOF-MOUNTED MECHANICAL EQUIPMENT, AND OTHER METALLIC APPURTENANCES REQUIRING PROTECTION. PROVIDE ALL AIR TERMINALS, CONDUCTORS, BONDING CONNECTIONS, GROUNDING ELECTRODES, AND ACCESSORIES REQUIRED FOR A COMPLETE SYSTEM WHETHER OR NOT SPECIFICALLY SHOWN.

3. CONCEAL DOWN CONDUCTORS WITHIN EXTERIOR WALL CONSTRUCTION WHERE PRACTICAL. STRUCTURAL STEEL SHALL NOT BE USED AS A DOWN CONDUCTOR. BOND THE LIGHTNING PROTECTION GROUNDING SYSTEM TO THE BUILDING GROUNDING ELECTRODE SYSTEM IN ACCORDANCE WITH NEC 250.106, NFPA 780, AND UL 96A.

ELECTRICAL ROOF PLAN – CENTER GENERAL NOTES:

1. REFER TO HVAC EQUIPMENT CONNECTION SCHEDULE.

1 ELECTRICAL ROOF PLAN - CENTER

Scale: 1/8" = 1'-0"

0 2' 4' 8' 16'

KEY PLAN

2026-06-24 - 1/8" = 1'-0"

DSC
ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

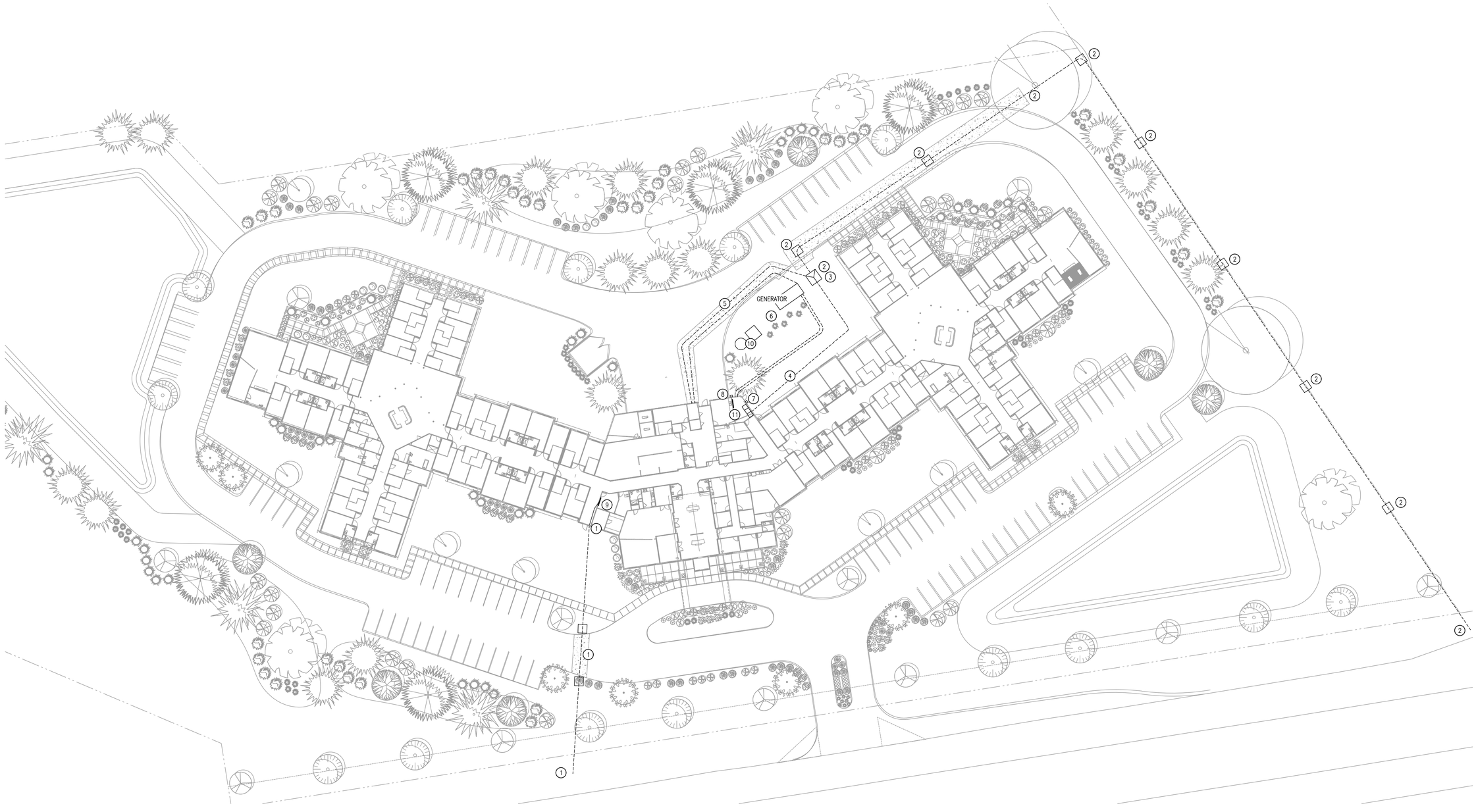
BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1975 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
ELECTRICAL ROOF PLAN CENTER

DAI PROJECT NO.
26032

E1.4



1 ELECTRICAL SITE PLAN

Scale: 1/32" = 1'-0"

ELECTRICAL SITE PLAN CODED NOTES:

1. COMMUNICATIONS ENTRANCE: COORDINATE POLE LOCATION WITH SERVICE PROVIDERS. PROVIDE THREE (3) 4" CONDUITS WITH PULL WIRE. CONDUIT TO BE CONCRETE ENCASED UNDER DRIVEWAYS. TRANSITION UP TO CEILING SPACE INSIDE BUILDING. EXTEND CONDUIT IN CEILING SPACE TO TELEPHONE BACKBOARD IN STORAGE C17. PROVIDE PULLING BOXES PER PROVIDER'S REQUIREMENTS, TWO LOCATIONS SHOWN FOR REFERENCE.
2. ELECTRICAL ENTRANCE: COORDINATE POLE LOCATION WITH SERVICE PROVIDER. PROVIDE TWO (2) 4" CONDUITS WITH PULL WIRE, CONCRETE ENCASED UNDER DRIVEWAYS, TO TRANSFORMER VAULT. COORDINATE PATH AND VERIFY CONDUIT SIZE WITH ELECTRIC UTILITY PROVIDER. ELECTRIC UTILITY TO PROVIDE PRIMARY WIRING, ELECTRICAL CONTRACTOR TO PROVIDE TRENCHING AND CONDUIT. ELECTRICAL CONTRACTOR TO PROVIDE PULLING BOXES EVERY 100', COORDINATE SIZE WITH UTILITY.
3. TRANSFORMER: COORDINATE TRANSFORMER PAD WITH ELECTRIC UTILITY. TERMINATE ALL CONDUITS UNDER PAD PER MANUFACTURER'S AND UTILITY'S STANDARDS. PROVIDE METERING ON TRANSFORMER IF ALLOWED. PROVIDED METERING INSIDE MAIN BREAKER OTHERWISE. PROVIDE LUGS ON TRANSFORMER SECONDARY TERMINATIONS FOR INDICATED CONDUCTORS. CONFIRM LOCATION AND TRANSFORMER WITH UTILITY COMPANY.
4. SECONDARY SIDE OF TRANSFORMER ELECTRIC: REFER TO POWER DISTRIBUTION DIAGRAM FOR SIZING.
5. FIRE PUMP ELECTRICAL SERVICE: CONFIRM FIRE PUMP SIZE WITH CONTRACTOR. REFER TO POWER DISTRIBUTION DIAGRAM FOR SIZING, CONDUIT TO BE CONCRETE ENCASED UNDER DRIVEWAYS.
6. GENERATOR: PROVIDE EMERGENCY CONNECTIONS TO LS MANUAL TRANSFER SWITCH, MDPE AUTOMATIC TRANSFER SWITCH AND FIRE PUMP. REFER TO POWER DISTRIBUTION DIAGRAM FOR SIZING. CONDUIT TO BE CONCRETE ENCASED UNDER DRIVEWAYS.

   STAND-BY GENERATOR. RHELKO MODEL 350REOZJD OR EQUIVALENT BY CATERPILLAR OR ONAN. TO PROVIDE 350KW, 350 KVA WHEN OPERATING AT 120/208V, 1.0 POWER FACTOR. THE GENERATOR SET SHALL BE CAPABLE OF THIS RATING WHILE OPERATING IN AN AMBIENT CONDITION OF 85F AND 1000 FEET ABOVE SEA LEVEL. REFER TO SHEET E.08 FOR GENERATOR SPECIFICATIONS.

   GENERATOR ACCESSORIES – Provide all accessories required for a suitable installation including:
   - a. Alternator
   - b. Controller
   - a. Instrument Panel
   - b. Circuit Breakers, refer to power distribution diagram
   - c. Engine Block Heater
   - d. Sub-base fuel tank sized for 48 hour operation at full load.
   - e. Sound attenuated weather housing – Level 2
   - f. Battery rack and battery cables
   - g. Batteries
   - h. Battery charger
   - i. Costal Rated
   - j. High Wind Rated
   - k. Critical engine exhaust silencer mounted inside weather housing
   - l. (2) Remote Annuciator Panels – one at each nurse's station
   - m. Emergency power off pushbutton
7. GENERATOR EMERGENCY POWER OFF PUSH BUTTON
8. TEMPORARY GENERATOR CONNECTION
9. 4' X 8' BACKBOARD FOR COMMUNICATION DEMARC.
10. SANITARY PUMPS, REFER TO CIVIL DRAWINGS AND POWER DISTRIBUTION FOR WIRING AND CONDUIT.
11. ADDITIONAL BACKBOARD FOR COMMUNICATIONS EQUIPMENT. COORDINATE SIZE IN THE FIELD WITH OTHER ELECTRICAL EQUIPMENT IN THE ROOM.

ELECTRICAL SITE PLAN GENERAL NOTES:

1. REFER TO TRENCH DETAIL.
2. REFER TO UTILITY STANDARDS AND CLEARANCES. COORDINATE WITH OTHER UTILITIES.
3. ELECTRICAL CONTRACTOR SHALL COORDINATE NEW UNDERGROUND CONDUITS WITH OTHER UTILITIES: GAS, WATER, SEWER, SANITARY AND STORM SEWER.
4. ELECTRICAL CONTRACTOR SHALL ROUTE CONDUITS AND CONDUIT DEPTHS TO AVOID OTHER UTILITIES.
5. GENERATOR INCLUDES FOLLOWING LOADS, 330 KW OF MDPE, 17KW OF LS, AND 35 KW OF FIRE PUMP. FIRE PUMP LOAD TO BE VERIFIED IN THE FIELD WITH EQUIPMENT. NOTIFY ENGINEER IF LOAD DIFFERS. PROVIDE NATURAL GAS GENERATOR CAPABLE OF 380 KW.

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
193/195 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402062288
PROFESSIONAL ENGINEER

DRAWING NAME
ELECTRICAL SITE PLAN

DAI PROJECT NO.
26032

E1.5

2026-06-24 - 1/32" = 1'-0"

SOUTH CORRIDOR DISTRIBUTED LIGHTING CONTROL SCHEDULE

Area / Group	Zone	#	Description	LIFE SAFETY / EQUIPMENT (EMERGENCY)	Fixture Type	Fixture Quantity	Zone Fixture Wattage	Panel	Circuit
SOUTH WING	Z1	1	CORRIDOR 2X4	LIFE SAFETY	B	11	495	LSS	1
	Z2	2	CORRIDOR 2X4		B	7	315	S	1
	Z3	3	DOWNLIGHTS AT SUITE DOORS		G	20	380	S	1
	Z4	4	CORRIDOR LOFT DOWNLIGHT	LIFE SAFETY	G	4	76	LSS	1
	Z5	5	CENTER CORRIDOR 2X2	LIFE SAFETY	C	16	608	LSS	1
	Z6	6	NURSE STATION DECORATIVE		M	1	50	S	3
	Z7	7	NURSE STATION DOWNLIGHTS	EMERGENCY EQUIPMENT	H	8	152	ES	56
	Z8	8	LOUNGE DECORATIVE		K	10	500	S	3
	Z9	9	LOUNGE DOWNLIGHTS		H	24	456	S	3
	Z10	10	DINING ROOM DECORATIVE		J	7	350	S	3
	Z11	11	DINING ROOM DOWNLIGHTS	LIFE SAFETY	G	31	589	LS	3
	Z12	12	LIFE SAFETY OUTDOOR DOWNLIGHT	LIFE SAFETY	ED01	1	5	LSS	1
	Z13	13	FRONT OUTDOOR SCONCES		EW02	2	40	S	3
	Z14	14	CORRIDOR LOFT DECORATIVE	LIFE SAFETY	M	1	50	LSS	1
	Z15	15	BACK POLE		EP02	1	55	S	3

EMERGENCY LIGHTING LEGEND

LIGHT	DESCRIPTION
	LIGHTS ARE CIRCUITED TO PANEL ON THE GENERATOR, EITHER LIFE SAFETY OR CRITICAL PANEL. THIS SHADING INDICATES SEPARATE LIFE SAFETY OR CRITICAL LIGHTING ZONE. LIGHTING CONTROL TO INCLUDE UL924 TRANSFORMER WITH NORMAL SENSE PER CODE INTEGRAL TO DISTRIBUTED LIGHTING CONTROL SYSTEM.

SOUTH WING STANDALONE LIGHTING CONTROL SCHEDULE

Area / Group	Zone		Description	LIFE SAFETY / EQUIPMENT (EMERGENCY)	Fixture Type	Fixture Quantity	Zone Fixture Wattage	Panel	Circuit
SOUTH WING	SA		IT S07	EMERGENCY EQUIPMENT	A	1	45	ES	56
	SA		STOR S08		A	1	45	S	1
	SA		SPA S09	EMERGENCY EQUIPMENT	H	6	114	ES	56
	SA		SUPPLY S10	EMERGENCY EQUIPMENT	A	2	90	ES	56
	SA		MEDS S20	EMERGENCY EQUIPMENT	D	1	41	ES	56
	SA		SOILED S14		D	1	41	S	1
	SA		MECH S15	EMERGENCY EQUIPMENT	D	2	82	ES	56
	SA		CHARTS S16	EMERGENCY EQUIPMENT	A	2	90	ES	56
	SA		OFFICE S17	EMERGENCY EQUIPMENT	A	2	90	ES	56
	SA		WORK S18	EMERGENCY EQUIPMENT	B	1	45	ES	56
	SA		R.R. S19	EMERGENCY EQUIPMENT	F	1	43	ES	56
	SA		LINEN S11		D	1	41	S	1

1 LIGHTING PLAN - SOUTH WING

Scale: 1/8" = 1'-0"

0 2' 4' 8' 16'

LIGHTING PLAN – SOUTH WING CODED NOTES:

1. REFER TO SITE LIGHTING PLAN AND ARCHITECTURAL SHEETS FOR ED01 LOCATION.
2. REFER TO EA-100 FOR LOCATION AND POLE BASE DETAILS.

LIGHTING PLAN – SOUTH WING GENERAL NOTES:

1. REFER TO DISTRIBUTED LIGHTING CONTROL SCHEDULE ON THIS SHEET FOR ZONE DETAILS, QUANTITY OF FIXTURES, PANEL AND CIRCUIT.
2. PROVIDE LIGHTING CONTROL AS DISTRIBUTED NETWORKED SOLUTION WITH ABILITY TO ADD ZONES IN THE FUTURE, AND PROGRAM ENTIRE BUILDING TOGETHER.
3. PROVIDE ABILITY TO HAVE TIMECLOCK CONTROL.
4. COORDINATE PROGRAMMING WITH OWNER AND ENERGY CODE.
5. COORDINATE OPTIMIZED WALL CONTROL STATIONS WITH LIGHTING MANUFACTURER AND OWNER, PROVIDE MULTIPLE ZONE CONTROL IN ONE (1) SINGLE SWITCH IF POSSIBLE. ALL ZONES SHOWN AS SEPARATE SWITCH ON PLAN FOR REFERENCE.
6. PROGRAM OCCUPANCY SENSOR PER ENERGY CODE AND ADJACENT LIGHTING ZONES.

KEY PLAN

1/16"=1'-0"

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1975 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
LIGHTING PLAN SOUTH WING

DAI PROJECT NO.
26032

E2.1

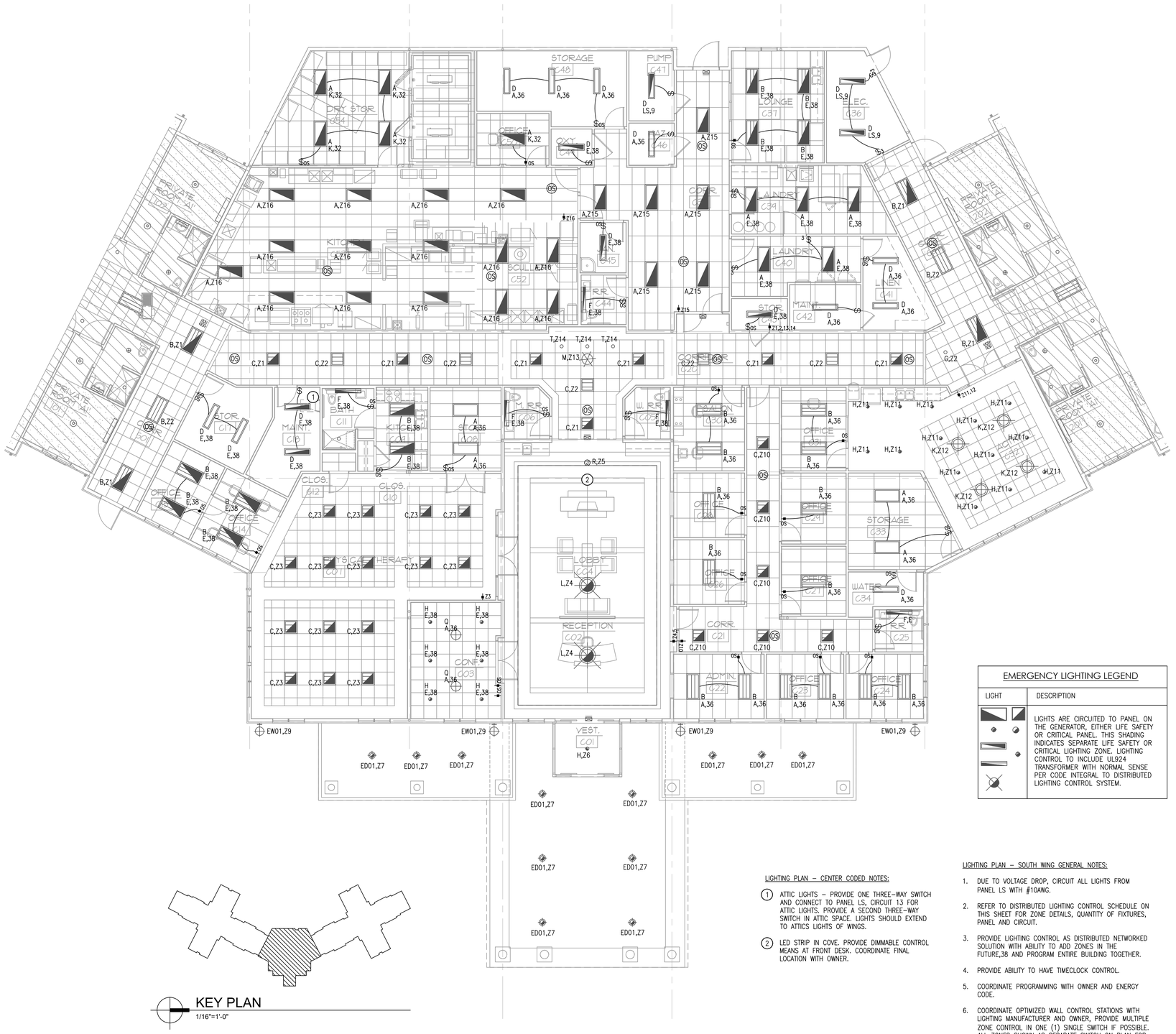
2026-06-24 - 1/8" = 1'-0"

CENTER CORRIDOR DISTRIBUTED LIGHTING CONTROL SCHEDULE

Area / Group	Zone	#	Description	LIFE SAFETY / EQUIPMENT (EMERGENCY)	Fixture Type	Fixture Quantity	Zone Fixture Wattage	Panel	Circuit
CENTER	Z1	31	CORRIDOR C20 LIFE SAFETY	LIFE SAFETY	B	11	495	LS	11
	Z2	32	CORRIDOR C20 REMAINING PANELS		B	8	360	A	3
	Z3	33	PHYSICAL THERAPY C07 2x2s	LIFE SAFETY	C	15	570	LS	11
	Z4	34	LOBBY CHANDELIERS	LIFE SAFETY	L	2	200	LS	11
	Z5	35	LOBBY COVE LIGHTING	LIFE SAFETY	R	1	750	LS	13
	Z6	36	VESTIBULE DOWNLIGHT	LIFE SAFETY	H	1	19	LS	13
	Z7	37	EXTERIOR SLOPED DOWNLIGHTS	LIFE SAFETY	ED01	12	60	LS	13
	Z8	38	SPARE						
	Z9	39	EXTERIOR SCONCES		EW01	4	120	A	5
	Z10	40	CORRIDOR C21 2X2s	LIFE SAFETY	C	6	228	LS	13
	Z11	41	ACTMTY C32 DOWNLIGHTS	LIFE SAFETY	H	14	266	LS	13
	Z12	42	ACTMTY C32 DECORATIVE		K	4	200	A	5
	Z13	43	CORRIDOR C20 DECORATIVE		M	1	50	A	5
	Z14	44	CORRIDOR C20 WALL WASH		T	3	57	A	5
	Z15	45	CORRIDOR C38	LIFE SAFETY	A	5	225	LS	13
	Z16	46	KITCHEN 2x4s	EMERGENCY EQUIPMENT	A	15	675	K	1
	Z17		SPARE						
	Z18		SPARE						
	Z19		SPARE						
	Z20		SPARE						

CENTER WING STANDALONE LIGHTING CONTROL SCHEDULE

Area / Group	Zone		Description	LIFE SAFETY / EQUIPMENT (EMERGENCY)	Fixture Type	Fixture Quantity	Zone Fixture Wattage	Panel	Circuit
CENTER	SA		OFFICE C14	EMERGENCY EQUIPMENT	B	2	90	E	38
	SA		OFFICE C15	EMERGENCY EQUIPMENT	B	2	90	E	38
	SA		STOR C17		D	2	82	E	38
	SA		MAINT C18	EMERGENCY EQUIPMENT	D	2	82	E	38
	SA		BATH C11	EMERGENCY EQUIPMENT	F	1	43	E	38
	SA		KITCH. C09	EMERGENCY EQUIPMENT	B	2	90	E	38
	SA		STOR C08		A	2	90	A	36
	SA		M. R.R. C06	EMERGENCY EQUIPMENT	F	1	43	E	38
	SA		W. R.R. C05	EMERGENCY EQUIPMENT	F	1	43	E	38
	SA		CONF. C03	EMERGENCY EQUIPMENT	H	6	114	E	38
	SA		CONF. C03		Q	2	100	A	36
	SA		ADMIN C22		B	2	90	A	36
	SA		OFFICE C23		B	2	90	A	36
	SA		OFFICE C24		B	2	90	A	36
	SA		R.R. C25	EMERGENCY EQUIPMENT	F	1	43	E	38
	SA		OFFICE C27		B	1	45	A	36
	SA		OFFICE C26		B	1	45	A	36
	SA		OFFICE C28		B	1	45	A	36
	SA		OFFICE C29		B	1	45	A	36
	SA		OFFICE C31		B	2	90	A	36
	SA		SALON C30		B	2	90	A	36
	SA		STORAGE C33		A	2	90	A	36
	SA		DRY STORAGE	EMERGENCY EQUIPMENT	A	4	180	K	32
	SA		OFFICE C50	EMERGENCY EQUIPMENT	A	1	45	K	32
	SA		STORAGE C48		D	3	123	A	36
	SA		OXY C49		D	1	41	E	38
	SA		PUMP C47	LIFE SAFETY	D	1	41	LS	36
	SA		HAZ C46		D	1	41	A	36
	SA		JAN C45	EMERGENCY EQUIPMENT	D	1	41	E	38
	SA		R.R C44	EMERGENCY EQUIPMENT	F	1	43	E	38
	SA		LAUNDRY C40	EMERGENCY EQUIPMENT	A	2	90	E	38
	SA		LAUNDRY C39	EMERGENCY EQUIPMENT	A	3	135	E	38
	SA		STOR C43	EMERGENCY EQUIPMENT	D	1	41	E	38
	SA		MAINT C42		D	1	41	A	36
	SA		LINEN C41		D	2	82	A	36
	SA		LOUNGE C37	EMERGENCY EQUIPMENT	B	4	180	E	38
	SA		ELEC C36	LIFE SAFETY	D	2	82	LS	36



KEY PLAN
1/16"=1'-0"

1 LIGHTING PLAN - CENTER
Scale: 1/8" = 1'-0"

0 2' 4' 8' 16'

EMERGENCY LIGHTING LEGEND

LIGHT	DESCRIPTION
	LIGHTS ARE CIRCUITED TO PANEL ON THE GENERATOR, EITHER LIFE SAFETY OR CRITICAL PANEL. THIS SHADING INDICATES SEPARATE LIFE SAFETY OR CRITICAL LIGHTING ZONE. LIGHTING CONTROL TO INCLUDE UL924 TRANSFORMER WITH NORMAL SENSE PER CODE INTEGRAL TO DISTRIBUTED LIGHTING CONTROL SYSTEM.

LIGHTING PLAN – CENTER CODED NOTES:

1. ATTIC LIGHTS – PROVIDE ONE THREE-WAY SWITCH AND CONNECT TO PANEL LS, CIRCUIT 13 FOR ATTIC LIGHTS. PROVIDE A SECOND THREE-WAY SWITCH IN ATTIC SPACE. LIGHTS SHOULD EXTEND TO ATTICS LIGHTS OF WINGS.
2. LED STRIP IN COVE. PROVIDE DIMMABLE CONTROL MEANS AT FRONT DESK. COORDINATE FINAL LOCATION WITH OWNER.

LIGHTING PLAN – SOUTH WING GENERAL NOTES:

1. DUE TO VOLTAGE DROP, CIRCUIT ALL LIGHTS FROM PANEL LS WITH #10AWG.
2. REFER TO DISTRIBUTED LIGHTING CONTROL SCHEDULE ON THIS SHEET FOR ZONE DETAILS, QUANTITY OF FIXTURES, PANEL AND CIRCUIT.
3. PROVIDE LIGHTING CONTROL AS DISTRIBUTED NETWORKED SOLUTION WITH ABILITY TO ADD ZONES IN THE FUTURE,38 AND PROGRAM ENTIRE BUILDING TOGETHER.
4. PROVIDE ABILITY TO HAVE TIMECLOCK CONTROL.
5. COORDINATE PROGRAMMING WITH OWNER AND ENERGY CODE.
6. COORDINATE OPTIMIZED WALL CONTROL STATIONS WITH LIGHTING MANUFACTURER AND OWNER, PROVIDE MULTIPLE ZONE CONTROL IN ONE (1) SINGLE SWITCH IF POSSIBLE. ALL ZONES SHOWN AS SEPARATE SWITCH ON PLAN FOR REFERENCE.
7. PROGRAM OCCUPANCY SENSOR PER ENERGY CODE AND ADJACENT LIGHTING ZONES.

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1915 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

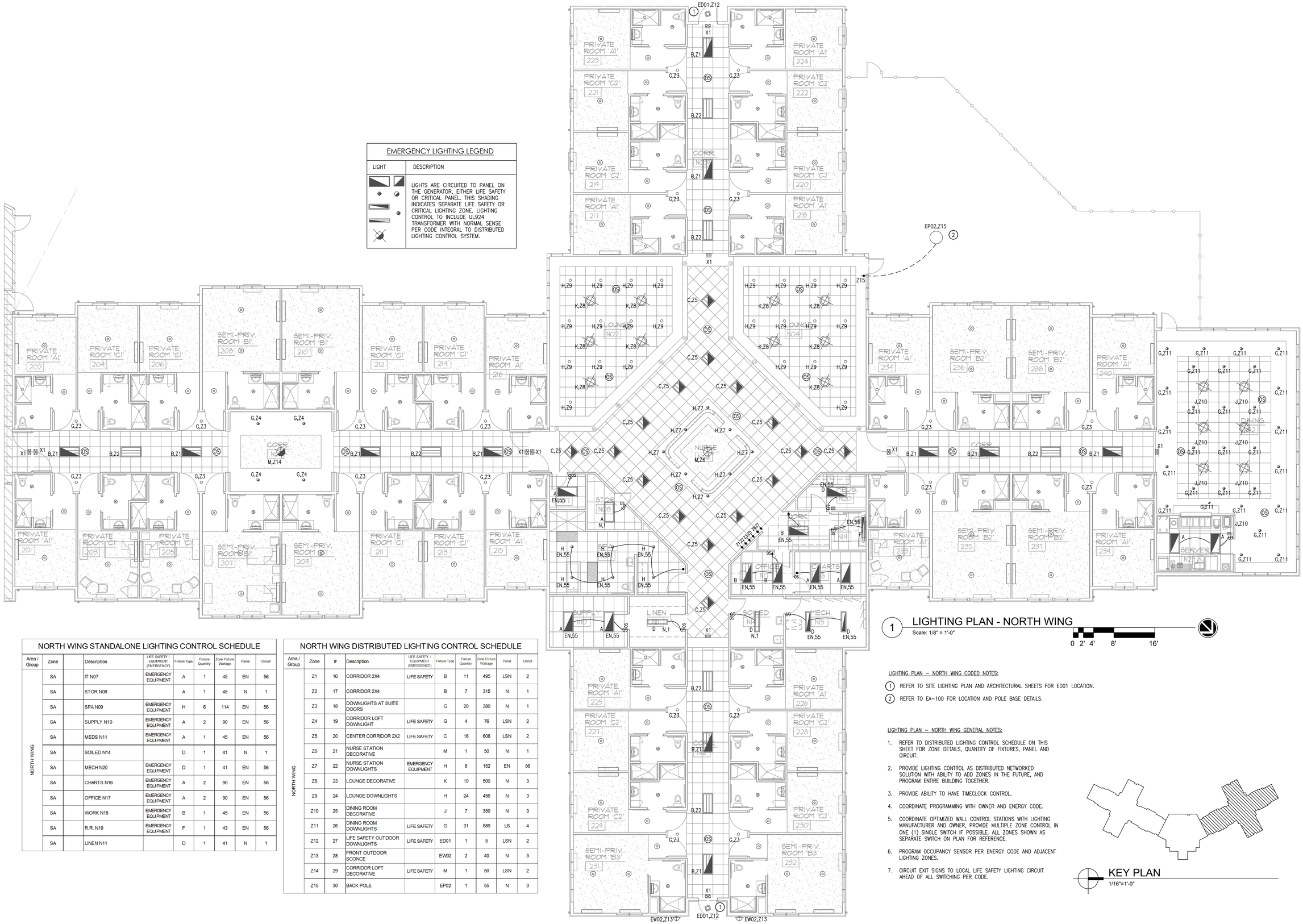
COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
LIGHTING PLAN CENTER

DAI PROJECT NO.
26032

E2.2

2026-06-24 - 1/8" = 1'-0"



EMERGENCY LIGHTING LEGEND

LIGHT	DESCRIPTION
	LIGHTS ARE CIRCUITED TO PANEL ON THE GENERATOR, EITHER LIFE SAFETY OR CRITICAL PANEL. THIS SHADING INDICATES SEPARATE LIFE SAFETY OR CRITICAL LIGHTING ZONE. LIGHTING CONTROL TO INCLUDE UL924 TRANSFORMER WITH NORMAL SENSE PER CODE INTEGRAL TO DISTRIBUTED LIGHTING CONTROL SYSTEM.

NORTH WING STANDALONE LIGHTING CONTROL SCHEDULE

Area / Group	Zone		Description	LIFE SAFETY / EQUIPMENT (EMERGENCY)	Fixture Type	Fixture Quantity	Zone Fixture Wattage	Panel	Circuit
NORTH WING	SA		IT N07	EMERGENCY EQUIPMENT	A	1	45	EN	56
	SA		STOR N08		A	1	45	N	1
	SA		SPA N09	EMERGENCY EQUIPMENT	H	6	114	EN	56
	SA		SUPPLY N10	EMERGENCY EQUIPMENT	A	2	90	EN	56
	SA		MEDS N11	EMERGENCY EQUIPMENT	A	1	45	EN	56
	SA		SOILED N14		D	1	41	N	1
	SA		MECH N20	EMERGENCY EQUIPMENT	D	1	41	EN	56
	SA		CHARTS N16	EMERGENCY EQUIPMENT	A	2	90	EN	56
	SA		OFFICE N17	EMERGENCY EQUIPMENT	A	2	90	EN	56
	SA		WORK N18	EMERGENCY EQUIPMENT	B	1	45	EN	56
	SA		R.R. N19	EMERGENCY EQUIPMENT	F	1	43	EN	56
	SA		LINEN N11		D	1	41	N	1

NORTH WING DISTRIBUTED LIGHTING CONTROL SCHEDULE

Area / Group	Zone	#	Description	LIFE SAFETY / EQUIPMENT (EMERGENCY)	Fixture Type	Fixture Quantity	Zone Fixture Wattage	Panel	Circuit
NORTH WING	Z1	16	CORRIDOR 2X4	LIFE SAFETY	B	11	495	LSN	2
	Z2	17	CORRIDOR 2X4		B	7	315	N	1
	Z3	18	DOWNLIGHTS AT SUITE DOORS		G	20	380	N	1
	Z4	19	CORRIDOR LOFT DOWNLIGHT	LIFE SAFETY	G	4	76	LSN	2
	Z5	20	CENTER CORRIDOR 2X2	LIFE SAFETY	C	16	608	LSN	2
	Z6	21	NURSE STATION DECORATIVE		M	1	50	N	1
	Z7	22	NURSE STATION DOWNLIGHTS	EMERGENCY EQUIPMENT	H	8	152	EN	56
	Z8	23	LOUNGE DECORATIVE		K	10	500	N	3
	Z9	24	LOUNGE DOWNLIGHTS		H	24	456	N	3
	Z10	25	DINING ROOM DECORATIVE		J	7	350	N	3
	Z11	26	DINING ROOM DOWNLIGHTS	LIFE SAFETY	G	31	589	LS	4
	Z12	27	LIFE SAFETY OUTDOOR DOWNLIGHTS	LIFE SAFETY	ED01	1	5	LSN	2
	Z13	28	FRONT OUTDOOR SCONCE		EW02	2	40	N	3
	Z14	29	CORRIDOR LOFT DECORATIVE	LIFE SAFETY	M	1	50	LSN	2
	Z15	30	BACK POLE		EP02	1	55	N	3

1 LIGHTING PLAN - NORTH WING

Scale: 1/8" = 1'-0"

0 2' 4' 8' 16'

LIGHTING PLAN – NORTH WING CODED NOTES:

1. REFER TO SITE LIGHTING PLAN AND ARCHITECTURAL SHEETS FOR ED01 LOCATION.
2. REFER TO EA-100 FOR LOCATION AND POLE BASE DETAILS.

LIGHTING PLAN – NORTH WING GENERAL NOTES:

1. REFER TO DISTRIBUTED LIGHTING CONTROL SCHEDULE ON THIS SHEET FOR ZONE DETAILS, QUANTITY OF FIXTURES, PANEL AND CIRCUIT.
2. PROVIDE LIGHTING CONTROL AS DISTRIBUTED NETWORKED SOLUTION WITH ABILITY TO ADD ZONES IN THE FUTURE, AND PROGRAM ENTIRE BUILDING TOGETHER.
3. PROVIDE ABILITY TO HAVE TIMECLOCK CONTROL.
4. COORDINATE PROGRAMMING WITH OWNER AND ENERGY CODE.
5. COORDINATE OPTIMIZED WALL CONTROL STATIONS WITH LIGHTING MANUFACTURER AND OWNER, PROVIDE MULTIPLE ZONE CONTROL IN ONE (1) SINGLE SWITCH IF POSSIBLE. ALL ZONES SHOWN AS SEPARATE SWITCH ON PLAN FOR REFERENCE.
6. PROGRAM OCCUPANCY SENSOR PER ENERGY CODE AND ADJACENT LIGHTING ZONES.
7. CIRCUIT EXIT SIGNS TO LOCAL LIFE SAFETY LIGHTING CIRCUIT AHEAD OF ALL SWITCHING PER CODE.

KEY PLAN

1/16"=1'-0"

2026-06-24 - 1/8" = 1'-0"

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1915 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
LIGHTING PLAN NORTH WING

DAI PROJECT NO.
26032

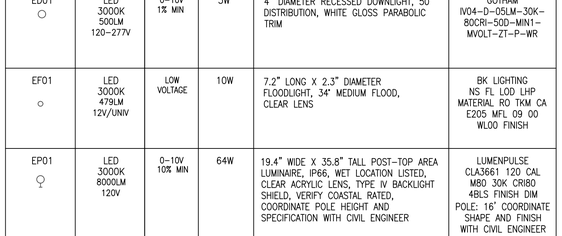
E2.3

SITE LIGHTING FIXTURE SCHEDULE

TYPE	LUMINAIRE LAMP	DIMMING	WATTAGE	DESCRIPTION	CATALOG NO.
ED01 ○	LED 3000K 500LM 120–277V	0–10V 1% MIN	5W	4" DIAMETER RECESSED DOWNLIGHT, 50° DISTRIBUTION, WHITE GLOSS PARABOLIC TRIM	GOTHAM IV04–D–05LM–30K–80CRI–50D–MIN1–MVOLT–ZT–P–WR
EF01 ○	LED 3000K 479LM 12V/UNIV	LOW VOLTAGE	10W	7.2" LONG X 2.3" DIAMETER FLOODLIGHT, 34° MEDIUM FLOOD, CLEAR LENS	BK LIGHTING NS FL LOD LHP MATERIAL RO TKM CA E20S MFL 09 00 WL00 FINISH
EP01 ⚲	LED 3000K 8000LM 120V	0–10V 10% MIN	64W	19.4" WIDE X 35.8" TALL POST–TOP AREA LUMINAIRE, IP66, WET LOCATION LISTED, CLEAR ACRYLIC LENS, TYPE IV BACKLIGHT SHIELD, VERIFY COASTAL RATED, COORDINATE POLE HEIGHT AND SPECIFICATION WITH CIVIL ENGINEER	LUMENPULSE CLA3661 120 CAL M80 30K CRI80 4BLS FINISH DIM POLE: 16' COORDINATE SHAPE AND FINISH WITH CIVIL ENGINEER
EP02 ◯	LED 3000K 6000LM 120V	0–10V 10% MIN	55W	19.4" WIDE X 35.8" TALL POST–TOP AREA LUMINAIRE, IP66, WET, CLEAR ACRYLIC LENS, TYPE V SQUARE	LUMENSPULSE CLA3661 120 CAL S60 30K CRI80 5S FINISH DIM POLE: 10' COORDINATE SHAPE AND FINISH WITH CIVIL ENGINEER
EW01 ⚲	LED 3000K 2313LM UNIV	0–10V 10% MIN	30W	34.9" TALL X 18.2" DIAMETER WALL LANTERN, WET LISTED IP66, B1–U0–G1	ANP LIGHTING LA440–CPS30W18 T3–30K–WALL MOUNT ARMS–BLACK
EW02 ⚲	LED 3000K 559LM UNIV	0–10V 10% MIN	20W	22.3" TALL X 11" DIAMETER WALL LANTERN, WET LISTED IP66, B1–U0–G0	ANP LIGHTING LA440–WH–AM20W –D–30K–WALL MOUNT ARMS–BLACK

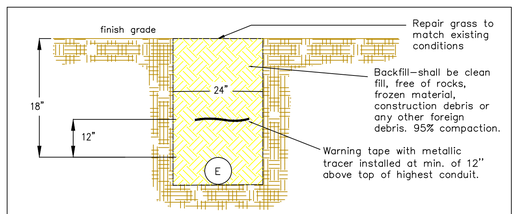
LIGHTING FIXTURE SCHEDULE NOTES:

1. THE E.C. SHALL COORDINATE ALL COLORS, FINISHES, LENGTHS, ETC. OF FIXTURES WITH THE ARCHITECT AND ACTUAL FIELD CONDITIONS PRIOR TO PLACING PURCHASE ORDER.
2. THE E.C. SHALL COORDINATE ALL TRIMS OF LIGHT FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS, EXISTING CONDITIONS, ETC. AND INCLUDE APPROPRIATE TRIM (LAY–IN, DRYWALL, ETC.) IN BASE BID. SUBMISSION OF SHOP DRAWINGS WILL BE INTERPRETED THAT THIS COORDINATION WITH THE ARCHITECT HAS BEEN COMPLETED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO THE LACK OF THIS COORDINATION.
3. REFER TO CIVIL DRAWING EA100



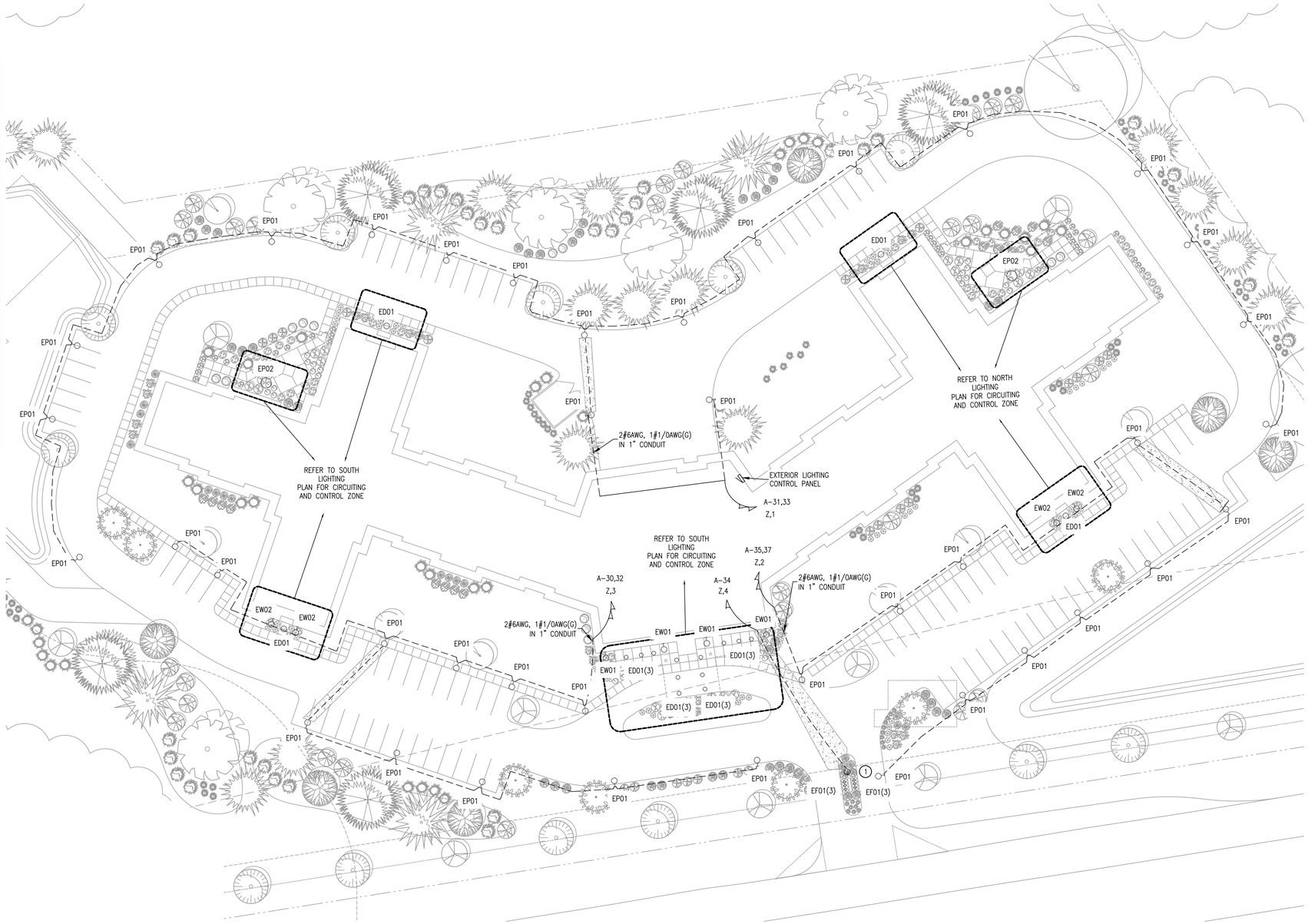
1. CONCRETE ENCASE CONDUIT(S) UNDER ROADWAYS, DRIVEWAYS, AND PARKING LOTS. MINIMUM OF 3" CONCRETE ENCASEMENT.
2. CONDUITS SHALL BE 4" SCH–40 PVC., UNLESS OTHERWISE NOTED.

TRENCH SECTION UNDER ROAD
NOT TO SCALE



1. CONCRETE ENCASE CONDUIT(S) UNDER ROADWAYS, DRIVEWAYS, AND PARKING LOTS. MINIMUM OF 3" CONCRETE ENCASEMENT.
2. CONDUITS SHALL BE 4" SCH–40 PVC., UNLESS OTHERWISE NOTED.

TRENCH SECTION UNDER GRASS
NOT TO SCALE



REFER TO EA100 FOR ADDITIONAL SITE LIGHTING DETAILS LIKE POLE BASE, POLE HEIGHT, FINAL LOCATIONS AND PHOTOMETRIC

1 SITE LIGHTING PLAN

Scale: 1/32" = 1'-0"

SITE LIGHTING PLAN CODED NOTES:

1. PROVIDE GRADE MOUNTED JUNCTION BOX FOR LANDSCAPE LOW VOLTAGE LIGHTING. FINAL LOCATION TO BE COORDINATED WITH LANDSCAPE ARCHITECT. COORDINATE LOW VOLTAGE WIRING AND CONTROL WITH LANDSCAPE ARCHITECT

SITE LIGHTING PLAN GENERAL NOTES:

1. PROVIDE 0–10V DIMMING TO ALL ZONES. PROGRAM PER ENERGY CODE.
2. PROVIDE ASTRONOMICAL TIME CLOCK FOR EXTERIOR PHOTOCELL CONTROL.
3. MOUNT EXTERIOR LIGHTING CONTROL PANEL IN ELEC C36

EXTERIOR LIGHTING CONTROL PANEL

Area / Group	Zone	#	Description	LIFE SAFETY / EQUIPMENT (EMERGENCY)	Fixture Type	Fixture Quantity	Zone Fixture Wattage	Panel	Circuit
SITE LIGHTING	Z1	47	BACK LIGHT POLES		EP01	19	1216	A	31,33
	Z2	48	SOUTH FRONT LIGHT POLES		EP01	11	704	A	30,32
	Z3	49	NORTH FRONT LIGHT POLES		EP01	10	640	A	35,37
	Z4	50	LOW VOLATGE JUNCTION BOX		EF01	6	60	A	34

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1935 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
SITE LIGHTING PLAN

DAI PROJECT NO.
26032

E2.4

2026-06-24 - 1/32" = 1'-0"

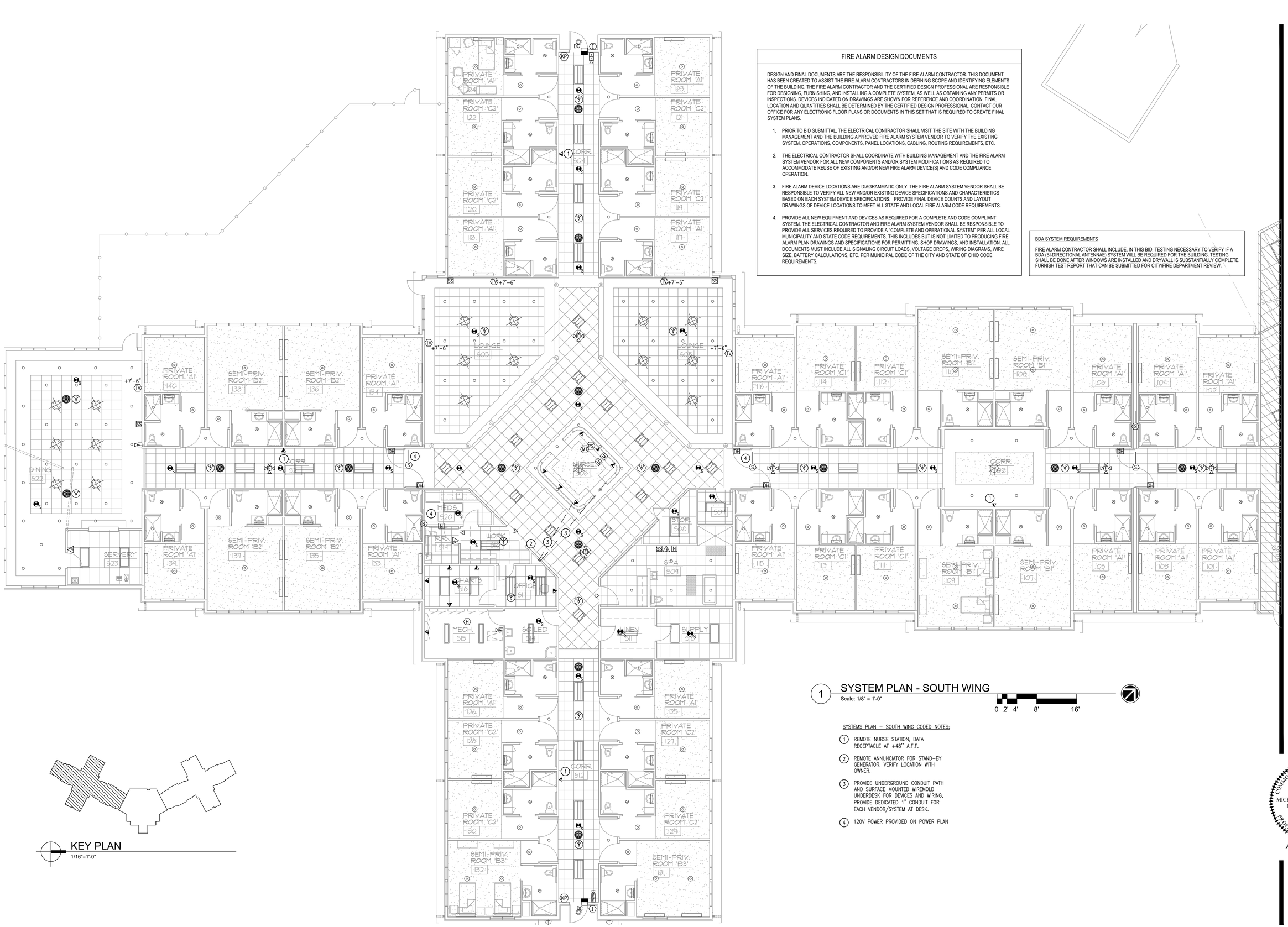
FIRE ALARM DESIGN DOCUMENTS

DESIGN AND FINAL DOCUMENTS ARE THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR. THIS DOCUMENT HAS BEEN CREATED TO ASSIST THE FIRE ALARM CONTRACTORS IN DEFINING SCOPE AND IDENTIFYING ELEMENTS OF THE BUILDING. THE FIRE ALARM CONTRACTOR AND THE CERTIFIED DESIGN PROFESSIONAL ARE RESPONSIBLE FOR DESIGNING, FURNISHING, AND INSTALLING A COMPLETE SYSTEM, AS WELL AS OBTAINING ANY PERMITS OR INSPECTIONS. DEVICES INDICATED ON DRAWINGS ARE SHOWN FOR REFERENCE AND COORDINATION. FINAL LOCATION AND QUANTITIES SHALL BE DETERMINED BY THE CERTIFIED DESIGN PROFESSIONAL. CONTACT OUR OFFICE FOR ANY ELECTRONIC FLOOR PLANS OR DOCUMENTS IN THIS SET THAT IS REQUIRED TO CREATE FINAL SYSTEM PLANS.

1. PRIOR TO BID SUBMITTAL, THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE WITH THE BUILDING MANAGEMENT AND THE BUILDING APPROVED FIRE ALARM SYSTEM VENDOR TO VERIFY THE EXISTING SYSTEM, OPERATIONS, COMPONENTS, PANEL LOCATIONS, CABLING, ROUTING REQUIREMENTS, ETC.
2. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH BUILDING MANAGEMENT AND THE FIRE ALARM SYSTEM VENDOR FOR ALL NEW COMPONENTS AND/OR SYSTEM MODIFICATIONS AS REQUIRED TO ACCOMMODATE REUSE OF EXISTING AND/OR NEW FIRE ALARM DEVICE(S) AND CODE COMPLIANCE OPERATION.
3. FIRE ALARM DEVICE LOCATIONS ARE DIAGRAMMATIC ONLY. THE FIRE ALARM SYSTEM VENDOR SHALL BE RESPONSIBLE TO VERIFY ALL NEW AND/OR EXISTING DEVICE SPECIFICATIONS AND CHARACTERISTICS BASED ON EACH SYSTEM DEVICE SPECIFICATIONS. PROVIDE FINAL DEVICE COUNTS AND LAYOUT DRAWINGS OF DEVICE LOCATIONS TO MEET ALL STATE AND LOCAL FIRE ALARM CODE REQUIREMENTS.
4. PROVIDE ALL NEW EQUIPMENT AND DEVICES AS REQUIRED FOR A COMPLETE AND CODE COMPLIANT SYSTEM. THE ELECTRICAL CONTRACTOR AND FIRE ALARM SYSTEM VENDOR SHALL BE RESPONSIBLE TO PROVIDE ALL SERVICES REQUIRED TO PROVIDE A "COMPLETE AND OPERATIONAL SYSTEM" PER ALL LOCAL MUNICIPALITY AND STATE CODE REQUIREMENTS. THIS INCLUDES BUT IS NOT LIMITED TO PRODUCING FIRE ALARM PLAN DRAWINGS AND SPECIFICATIONS FOR PERMITTING, SHOP DRAWINGS, AND INSTALLATION. ALL DOCUMENTS MUST INCLUDE ALL SIGNALING CIRCUIT LOADS, VOLTAGE DROPS, WIRING DIAGRAMS, WIRE SIZE, BATTERY CALCULATIONS, ETC. PER MUNICIPAL CODE OF THE CITY AND STATE OF OHIO CODE REQUIREMENTS.

BDA SYSTEM REQUIREMENTS

FIRE ALARM CONTRACTOR SHALL INCLUDE, IN THIS BID, TESTING NECESSARY TO VERIFY IF A BDA (BI-DIRECTIONAL ANTENNAE) SYSTEM WILL BE REQUIRED FOR THE BUILDING. TESTING SHALL BE DONE AFTER WINDOWS ARE INSTALLED AND DRYWALL IS SUBSTANTIALLY COMPLETE. FURNISH TEST REPORT THAT CAN BE SUBMITTED FOR CITY/FIRE DEPARTMENT REVIEW.



KEY PLAN
1/16"=1'-0"

1 SYSTEM PLAN - SOUTH WING

Scale: 1/8" = 1'-0"

0 2' 4' 8' 16'

SYSTEMS PLAN – SOUTH WING CODED NOTES:

1. REMOTE NURSE STATION, DATA RECEPTACLE AT +48" A.F.F.
2. REMOTE ANNUNCIATOR FOR STAND-BY GENERATOR. VERIFY LOCATION WITH OWNER.
3. PROVIDE UNDERGROUND CONDUIT PATH AND SURFACE MOUNTED WIREMOLD UNDERDESK FOR DEVICES AND WIRING, PROVIDE DEDICATED 1" CONDUIT FOR EACH VENDOR/SYSTEM AT DESK.
4. 120V POWER PROVIDED ON POWER PLAN

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1975 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
SYSTEM PLAN SOUTH WING

DAI PROJECT NO.
26032

E3.1

2026-06-24 - 1/8" = 1'-0"



FIRE ALARM DESIGN DOCUMENTS

DESIGN AND FINAL DOCUMENTS ARE THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR. THIS DOCUMENT HAS BEEN CREATED TO ASSIST THE FIRE ALARM CONTRACTORS IN DEFINING SCOPE AND IDENTIFYING ELEMENTS OF THE BUILDING. THE FIRE ALARM CONTRACTOR AND THE CERTIFIED DESIGN PROFESSIONAL ARE RESPONSIBLE FOR DESIGNING, FURNISHING, AND INSTALLING A COMPLETE SYSTEM, AS WELL AS OBTAINING ANY PERMITS OR INSPECTIONS. DEVICES INDICATED ON DRAWINGS ARE SHOWN FOR REFERENCE AND COORDINATION. FINAL LOCATION AND QUANTITIES SHALL BE DETERMINED BY THE CERTIFIED DESIGN PROFESSIONAL. CONTACT OUR OFFICE FOR ANY ELECTRONIC FLOOR PLANS OR DOCUMENTS IN THIS SET THAT IS REQUIRED TO CREATE FINAL SYSTEM PLANS.

1. PRIOR TO BID SUBMITTAL, THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE WITH THE BUILDING MANAGEMENT AND THE BUILDING APPROVED FIRE ALARM SYSTEM VENDOR TO VERIFY THE EXISTING SYSTEM, OPERATIONS, COMPONENTS, PANEL LOCATIONS, CABLING, ROUTING REQUIREMENTS, ETC.
2. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH BUILDING MANAGEMENT AND THE FIRE ALARM SYSTEM VENDOR FOR ALL NEW COMPONENTS AND/OR SYSTEM MODIFICATIONS AS REQUIRED TO ACCOMMODATE REUSE OF EXISTING AND/OR NEW FIRE ALARM DEVICE(S) AND CODE COMPLIANCE OPERATION.
3. FIRE ALARM DEVICE LOCATIONS ARE DIAGRAMMATIC ONLY. THE FIRE ALARM SYSTEM VENDOR SHALL BE RESPONSIBLE TO VERIFY ALL NEW AND/OR EXISTING DEVICE SPECIFICATIONS AND CHARACTERISTICS BASED ON EACH SYSTEM DEVICE SPECIFICATIONS. PROVIDE FINAL DEVICE COUNTS AND LAYOUT DRAWINGS OF DEVICE LOCATIONS TO MEET ALL STATE AND LOCAL FIRE ALARM CODE REQUIREMENTS.
4. PROVIDE ALL NEW EQUIPMENT AND DEVICES AS REQUIRED FOR A COMPLETE AND CODE COMPLIANT SYSTEM. THE ELECTRICAL CONTRACTOR AND FIRE ALARM SYSTEM VENDOR SHALL BE RESPONSIBLE TO PROVIDE ALL SERVICES REQUIRED TO PROVIDE A "COMPLETE AND OPERATIONAL SYSTEM" PER ALL LOCAL MUNICIPALITY AND STATE CODE REQUIREMENTS. THIS INCLUDES BUT IS NOT LIMITED TO PRODUCING FIRE ALARM PLAN DRAWINGS AND SPECIFICATIONS FOR PERMITTING, SHOP DRAWINGS, AND INSTALLATION. ALL DOCUMENTS MUST INCLUDE ALL SIGNALING CIRCUIT LOADS, VOLTAGE DROPS, WIRING DIAGRAMS, WIRE SIZE, BATTERY CALCULATIONS, ETC. PER MUNICIPAL CODE OF THE CITY AND STATE OF OHIO CODE REQUIREMENTS.

BDA SYSTEM REQUIREMENTS

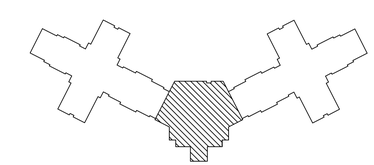
FIRE ALARM CONTRACTOR SHALL INCLUDE, IN THIS BID, TESTING NECESSARY TO VERIFY IF A BDA (BI-DIRECTIONAL ANTENNAE) SYSTEM WILL BE REQUIRED FOR THE BUILDING. TESTING SHALL BE DONE AFTER WINDOWS ARE INSTALLED AND DRYWALL IS SUBSTANTIALLY COMPLETE. FURNISH TEST REPORT THAT CAN BE SUBMITTED FOR CITY/FIRE DEPARTMENT REVIEW.

SYSTEMS PLAN – CENTER CODED NOTES:

1. IN SHARED FLOOR BOX WITH POWER RECEPTACLE, REFER TO POWER PLAN.

1 SYSTEMS PLAN - CENTER
Scale: 1/8" = 1'-0"

0 2' 4' 8' 16'



KEY PLAN
1/16"=1'-0"

2026-06-24 - 1/8" = 1'-0"

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1975 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
SYSTEM PLAN CENTER

DAI PROJECT NO.
26032

E3.2

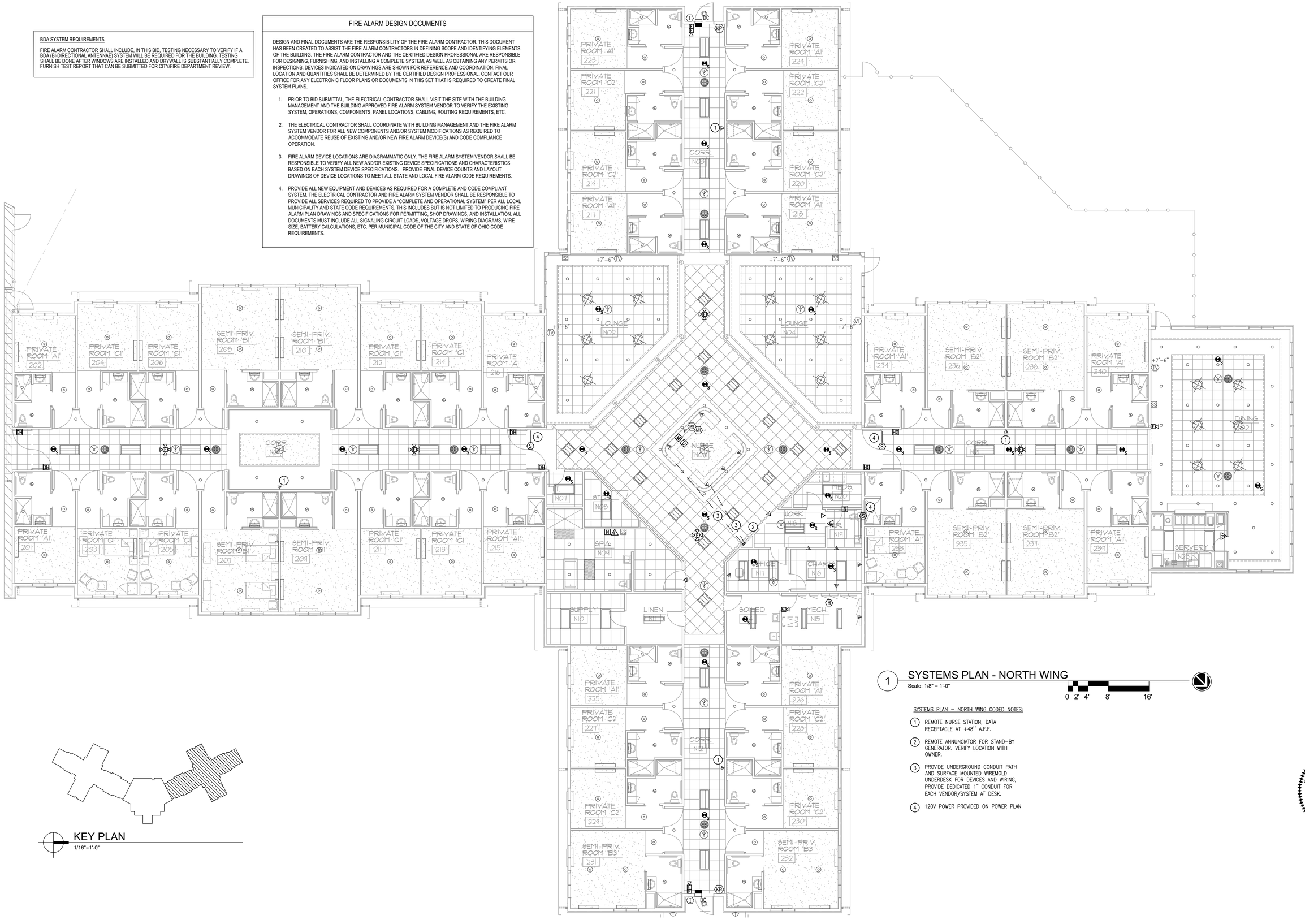
BDA SYSTEM REQUIREMENTS

FIRE ALARM CONTRACTOR SHALL INCLUDE, IN THIS BID, TESTING NECESSARY TO VERIFY IF A BDA (BI-DIRECTIONAL ANTENNAE) SYSTEM WILL BE REQUIRED FOR THE BUILDING. TESTING SHALL BE DONE AFTER WINDOWS ARE INSTALLED AND DRYWALL IS SUBSTANTIALLY COMPLETE. FURNISH TEST REPORT THAT CAN BE SUBMITTED FOR CITY/FIRE DEPARTMENT REVIEW.

FIRE ALARM DESIGN DOCUMENTS

DESIGN AND FINAL DOCUMENTS ARE THE RESPONSIBILITY OF THE FIRE ALARM CONTRACTOR. THIS DOCUMENT HAS BEEN CREATED TO ASSIST THE FIRE ALARM CONTRACTORS IN DEFINING SCOPE AND IDENTIFYING ELEMENTS OF THE BUILDING. THE FIRE ALARM CONTRACTOR AND THE CERTIFIED DESIGN PROFESSIONAL ARE RESPONSIBLE FOR DESIGNING, FURNISHING, AND INSTALLING A COMPLETE SYSTEM, AS WELL AS OBTAINING ANY PERMITS OR INSPECTIONS. DEVICES INDICATED ON DRAWINGS ARE SHOWN FOR REFERENCE AND COORDINATION. FINAL LOCATION AND QUANTITIES SHALL BE DETERMINED BY THE CERTIFIED DESIGN PROFESSIONAL. CONTACT OUR OFFICE FOR ANY ELECTRONIC FLOOR PLANS OR DOCUMENTS IN THIS SET THAT IS REQUIRED TO CREATE FINAL SYSTEM PLANS.

1. PRIOR TO BID SUBMITTAL, THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE WITH THE BUILDING MANAGEMENT AND THE BUILDING APPROVED FIRE ALARM SYSTEM VENDOR TO VERIFY THE EXISTING SYSTEM, OPERATIONS, COMPONENTS, PANEL LOCATIONS, CABLING, ROUTING REQUIREMENTS, ETC.
2. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH BUILDING MANAGEMENT AND THE FIRE ALARM SYSTEM VENDOR FOR ALL NEW COMPONENTS AND/OR SYSTEM MODIFICATIONS AS REQUIRED TO ACCOMMODATE REUSE OF EXISTING AND/OR NEW FIRE ALARM DEVICE(S) AND CODE COMPLIANCE OPERATION.
3. FIRE ALARM DEVICE LOCATIONS ARE DIAGRAMMATIC ONLY. THE FIRE ALARM SYSTEM VENDOR SHALL BE RESPONSIBLE TO VERIFY ALL NEW AND/OR EXISTING DEVICE SPECIFICATIONS AND CHARACTERISTICS BASED ON EACH SYSTEM DEVICE SPECIFICATIONS. PROVIDE FINAL DEVICE COUNTS AND LAYOUT DRAWINGS OF DEVICE LOCATIONS TO MEET ALL STATE AND LOCAL FIRE ALARM CODE REQUIREMENTS.
4. PROVIDE ALL NEW EQUIPMENT AND DEVICES AS REQUIRED FOR A COMPLETE AND CODE COMPLIANT SYSTEM. THE ELECTRICAL CONTRACTOR AND FIRE ALARM SYSTEM VENDOR SHALL BE RESPONSIBLE TO PROVIDE ALL SERVICES REQUIRED TO PROVIDE A "COMPLETE AND OPERATIONAL SYSTEM" PER ALL LOCAL MUNICIPALITY AND STATE CODE REQUIREMENTS. THIS INCLUDES BUT IS NOT LIMITED TO PRODUCING FIRE ALARM PLAN DRAWINGS AND SPECIFICATIONS FOR PERMITTING, SHOP DRAWINGS, AND INSTALLATION. ALL DOCUMENTS MUST INCLUDE ALL SIGNALING CIRCUIT LOADS, VOLTAGE DROPS, WIRING DIAGRAMS, WIRE SIZE, BATTERY CALCULATIONS, ETC. PER MUNICIPAL CODE OF THE CITY AND STATE OF OHIO CODE REQUIREMENTS.



KEY PLAN
1/16"=1'-0"

1 SYSTEMS PLAN - NORTH WING

Scale: 1/8" = 1'-0"

0 2' 4' 8' 16'

SYSTEMS PLAN – NORTH WING CODED NOTES:

1. REMOTE NURSE STATION, DATA RECEPTACLE AT +48" A.F.F.
2. REMOTE ANNUNCIATOR FOR STAND-BY GENERATOR. VERIFY LOCATION WITH OWNER.
3. PROVIDE UNDERGROUND CONDUIT PATH AND SURFACE MOUNTED WIREMOLD UNDERDESK FOR DEVICES AND WIRING, PROVIDE DEDICATED 1" CONDUIT FOR EACH VENDOR/SYSTEM AT DESK.
4. 120V POWER PROVIDED ON POWER PLAN

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1915 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

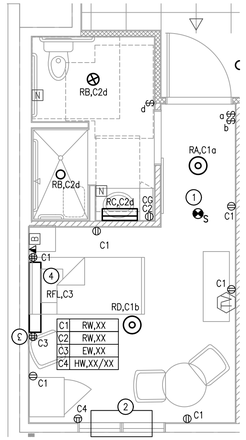
COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
SYSTEM PLAN NORTH WING

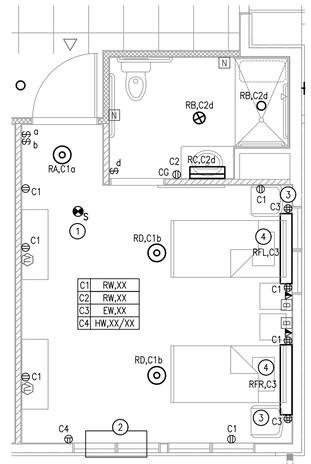
DAI PROJECT NO.
26032

E3.3

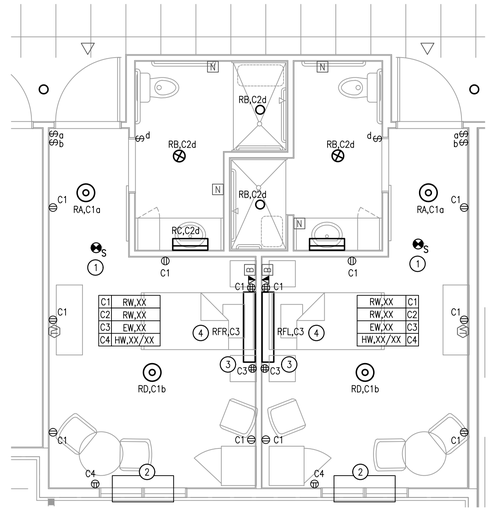
2026-06-24 - 1/8" = 1'-0"



1 PRIVATE ROOM 'A1' & 'A2' ELECTRICAL PLAN
Scale: 1/4"=1'-0"



2 SEMI-PRIVATE ROOM 'B1' & 'B2' ELECTRICAL PLAN
Scale: 1/4"=1'-0"



3 PRIVATE ROOM 'C1' & 'C2' ELECTRICAL PLAN
Scale: 1/4"=1'-0"

LIGHTING FIXTURE SCHEDULE

TYPE	LUMINAIRE			DESCRIPTION	MOUNTING	CATALOG NO.
	LAMP	DIMMING	WATTAGE			
RA	LED 27/3/35/4/5K 12/16/2000LM 120V	PHASE	27W	ROUND 14"ø, LUMEN SELECTABLE, COLOR TEMPERATURE SELECTABLE, MATTE WHITE, COORDINATE LUMEN AND COLOR TEMPERATURE SETTINGS WITH OWNER	SURFACE	COOPER SMX14RLSFSD2W OR EQUAL
RB	LED 27/3/35/4/5K 12/16/2000LM 120V	PHASE	14W	ROUND 6", LUMEN SELECTABLE, COLOR TEMPERATURE SELECTABLE, MATTE WHITE, COORDINATE LUMEN AND COLOR TEMPERATURE SETTINGS WITH OWNER, WET LOCATION RATED	SURFACE	COOPER SMX6RLSFSD2W OR EQUAL
RC	LED 3/35/4000K 1800LM 120V	0-10V 1% PHASE	20W	24" VANITY, SELECTABLE COLOR TEMPERATURE, FINISH BY ARCHITECT	WALL	LITHONIA LIGHTING FMVCCLS 24IN MVOLT 30K35K40K 90CRI FINISH OR EQUAL
RD	LED 27/3/35/4/5K 12/16/2000LM 120V	PHASE	30W	ROUND 18"ø, LUMEN SELECTABLE, COLOR TEMPERATURE SELECTABLE, MATTE WHITE, COORDINATE LUMEN AND COLOR TEMPERATURE SETTINGS WITH OWNER	SURFACE	COOPER SMX18RLSFSD2W OR EQUAL
RF	LED 3000K 5414 –	0-10V 1%	43W	4' UP & DOWN LIGHT, WALL MOUNT WITH 4-POSITION PULL SWITCH LOCATED ON LEFT OR RIGHT DEPENDING ON ROOM LAYOUT. DIVIDED LIGHT COMPARTMENT FOR CONTROL OF UP AND DOWN SEPARATELY. FINISH BY OWNER. VERIFY SWITCHING LOCATIONS WITH OWNER.	SURFACE	HE WILLIAMS CB CV 4 L23U835 L23D835 AF125 PS2_/120 OR EQUAL

LIGHTING FIXTURE SCHEDULE NOTES:

1. THE E.C. SHALL COORDINATE ALL COLORS, FINISHES, LENGTHS, ETC. OF FIXTURES WITH THE ARCHITECT AND ACTUAL FIELD CONDITIONS PRIOR TO PLACING PURCHASE ORDER.
2. THE E.C. SHALL COORDINATE ALL TRIMS OF LIGHT FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS, EXISTING CONDITIONS, ETC. AND INCLUDE APPROPRIATE TRIM (LAY-IN, DRYWALL ETC.) IN BASE BID. SUBMISSION OF SHOP DRAWINGS WILL BE INTERPRETED THAT THIS COORDINATION WITH THE ARCHITECT HAS BEEN COMPLETED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO THE LACK OF THIS COORDINATION.

ROOM ELECTRICAL PLAN GENERAL NOTES:

1. ALL RECEPTACLES TO BE TAMPER RESISTANT
2. C1 & C3 TO BE ARC FAULT PROTECTED.
3. ALL RECEPTACLES TO BE HOSPITAL GRADE.

ROOM ELECTRICAL PLAN CODED NOTES:

(1) PATIENT ROOM SMOKE DETECTORS SHALL BE CONNECTED TO THE FIRE ALARM SYSTEM, THE NURSE CALL SYSTEM, AND CORRIDOR NURSE CALL SYSTEM CALL LIGHT UNIT, TYPICAL FOR ALL PATIENT ROOMS.

(2) REFER TO HVAC SCHEDULE, DRAWING NUMBER E6.2 FOR ELECTRICAL REQUIREMENTS.

(3) RECEPTACLE CONNECTS TO EQUIPMENT BRANCH OF ALTERNATE POWER SOURCE (GENERATOR) POWER PANEL – REFER TO POWER PLANS FOR CIRCUITS IN RESIDENCE ROOMS.

(4) VERIFY AND COORDINATE FIXTURE SWITCH POSITION WITH OWNER/NURSING STAFF.

DSC
ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1915 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
PRIVATE/SEMI-PRIVATE ROOMS ELECTRICAL PLAN
DAI PROJECT NO.
16032

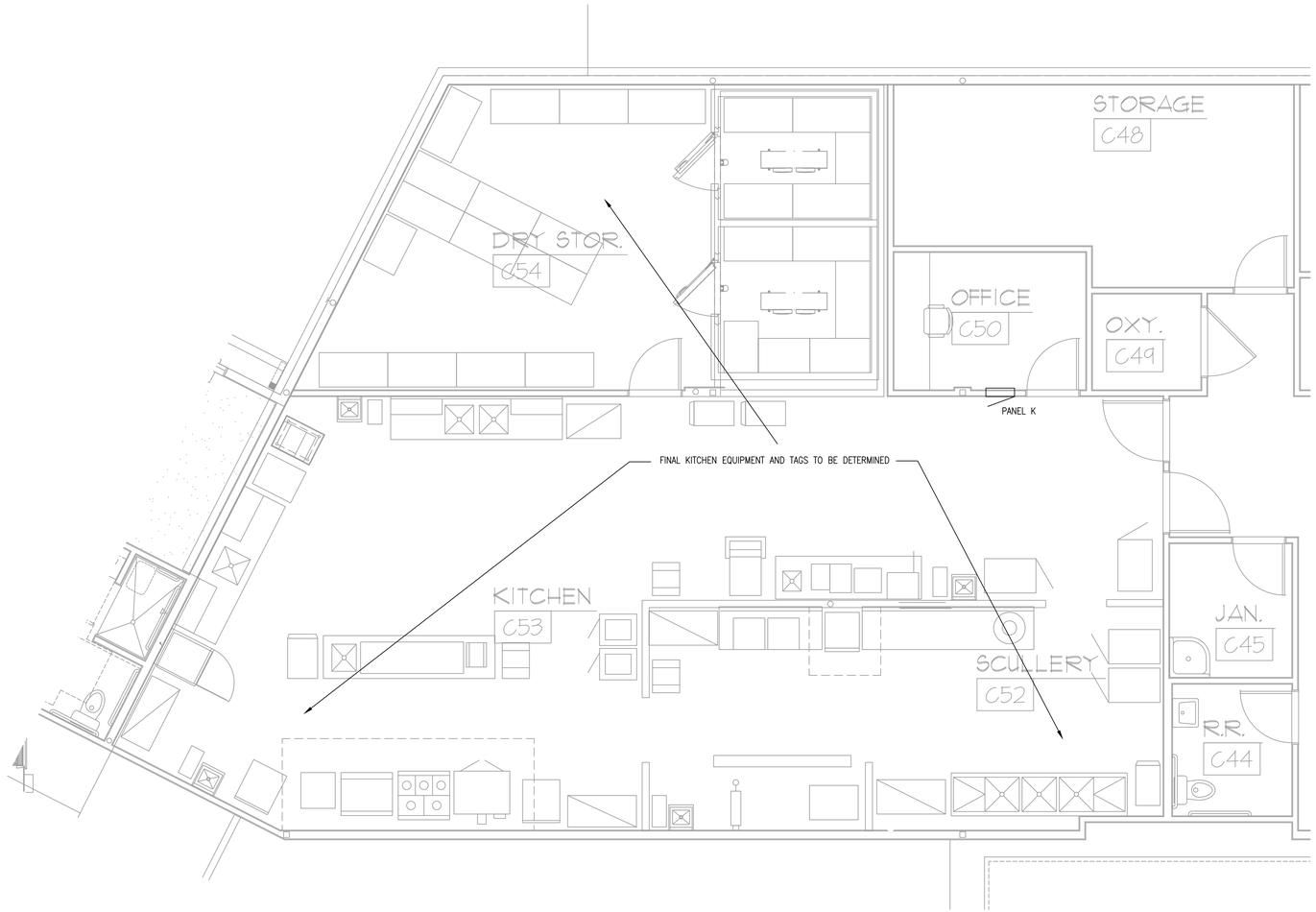
E4.1

2026-06-24 - 63/256" = 1'-0"

FOOD SERVICE EQUIPMENT CONNECTION SCHEDULE

ITEM	DESCRIPTION	VOLTAGE AND PHASE	BREAKER SIZE	AMPS	KW	CONNECTION	CONDUIT AND WIRE SIZE	PANEL	CIRCUIT NUMBER	CIRCUIT BRKR/ SWITCH/FUSE SIZE	NOTES
1A	TOASTER, CONVEYOR	120V-1Ø	20	15	1.8	RECEPTACLE	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	3	20A/1P	STUB UP CONDUIT UNDER ITEM #8; BTC TO DUPLEX OUTLET MOUNTED UNDER TABLE
3	CONVECTION OVEN, GAS	120V-1Ø	20	7.9	0.9	RECEPTACLE	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	5	20A/1P	DOUBLE STACKED UNIT; LOAD PER EACH DECK; REQUIRES TWO (2) OUTLETS, ONE (1) PER DECK
4	CONVECTION STEAMER, ELECTRIC, BOILER LESS	208V-3Ø	50	42	15.1	DISCONNECT SWITCH	#N/A	K	7,9,11	50A/3P	
5	HOOD	208V-1Ø	20		0.0	...	3#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	13,15	20A/2P	FOR LIGHTS & ACCESSORIES, REFER TO SHOP DRAWINGS, 15A CIRCUIT
5.1	KEF-1	208V-3Ø	20	7.9	2.8	INTEGRAL DISCONNECT SWITCH	4#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	17,19,21	20A/3P	VERIFY LOCATION OF UNIT ON ROOF W/ ARCHITECT; REFER TO HOOD SHOP DRAWINGS, REFER TO ROOF ELECTRICAL PLAN
5.2	MAU-1	208V-3Ø	30	28.4	10.2	INTEGRAL DISCONNECT SWITCH	4#10AWG, 1#10AWG(G) IN 3/4" CONDUIT	K	23,25,27	30A/3P	
5.3	FIRE SUPPRESSION / CONTROL PANEL	120V-1Ø	20		0.0	...	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	29	20A/1P	REFER TO HOD SHOP DRAWINGS, 15A CIRCUIT
6	TILTING SKILLET BRAISING PAN, COUNTERTOP, ELECTRIC	208V-3Ø	40	25	9.0	DISCONNECT SWITCH	4#8AWG, 1#10AWG(G) IN 3/4" CONDUIT	K	31,33,35	40A/3P	REQUIRES 4 WIRE CONNECTION, REQUIRES 30A BREAKER; COFFEE BREWER PROVIDED BY OWNER, VERIFY LOAD AND LOCATION OF ROUGH-IN WITH OWNER
7	REACH-IN REFRIGERATOR	120V-1Ø	20	5	0.6	RECEPTACLE	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	37	20A/1P	
12	COFFEE BREWER	208V-1Ø	50	34	7.1	...	#N/A	K	39,41	50A/2P	
14	FOOD SLICER, ELECTRIC	120V-1Ø	20	3	0.4	RECEPTACLE	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	43	20A/1P	BY OTHERS; VERIFY REQUIREMENTS WITH PROVIDER
15	PLANETARY MIXER	120V-1Ø	20	6	0.7	RECEPTACLE	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	45	20A/1P	BY OTHERS; VERIFY REQUIREMENTS WITH PROVIDER
20.1	MICROWAVE OVEN	120V-1Ø	20	13	1.6	RECEPTACLE	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	47	20A/1P	BY OTHERS; VERIFY REQUIREMENTS WITH PROVIDER
21	JUICE DISPENSER, ELECTRIC	120V-1Ø	20	6	0.7	RECEPTACLE	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	49	20A/1P	
22	ICE TEA BREWER	120V-1Ø	20	14.4	1.7	RECEPTACLE	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	51	20A/1P	
25	DISHWASHER, DOOR TYPE	208V-3Ø	60	45.6	16.4	DISCONNECT SWITCH	#N/A	K	53,55,57	60A/3P	
27	DISPOSER	208V-3Ø	20	6.6	2.4	DISCONNECT SWITCH	4#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	59,61,63	20A/3P	
30.1	CONDENSATE FAN	120V-1Ø	20	5.6	0.7	...	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	65	20A/1P	
32	WALK-IN COOLER/FREEZER	120V-1Ø	15		0.0	...	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	67	15A/1P	
32.1	WALK-IN COOLER CONDENSER	208V-3Ø	20	6.3	2.3		4#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	2,4,6	20A/3P	
32.2	WALK-IN COOLER EVAPORATOR	120V-1Ø	20	2	0.2		2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	69	20A/1P	
32.3	WALK-IN FREEZER CONDENSER	208V-3Ø	20	9.6	3.5		4#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	8,10,12	20A/3P	
32.4	WALK-IN FREEZER EVAPORATOR	208V-1Ø	20	1.2	0.2		3#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	14,16	20A/2P	
32.4A	WALK-IN FREEZER EVAPORATOR HEATER	208V-1Ø	20	8.2	1.7		3#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	18,20	20A/2P	
32.4B	COIL HEATER TAPE	120V-1Ø	15		0.0		2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	71	15A/1P	
35	ICE MAKER, CUBE-STYLE	120V-1Ø	20	9.05	1.1	SNAP SWITCH	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	22	20A/1P	
36	MIXER/BLENDER	120V-1Ø	20	11	1.3	RECEPTACLE	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	24	20A/1P	
54	MOBILE HEATED CABINET	120V-1Ø	20	2	0.2	RECEPTACLE	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	26	20A/1P	
55	COMMERCIAL FOOD BLENDER	120V-1Ø	20	11.5	1.4	RECEPTACLE	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	28	20A/1P	
	KEF-2	120V-1Ø	20	5.6	0.7	INTEGRAL DISCONNECT SWITCH	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	K	3	20A/1P	
	DOUBLE CONVECTION OVEN				CHECK		#N/A	K		#N/A	
	6 PAN ACCUTEMP STEAMER				CHECK		#N/A	K		#N/A	
	36" HEAVY DUTY RANGE WITH OVEN BASE				CHECK		#N/A	K		#N/A	
	36" GRIDDLE				CHECK		#N/A	K		#N/A	
					CHECK		#N/A	K		#N/A	
					CHECK		#N/A	K		#N/A	

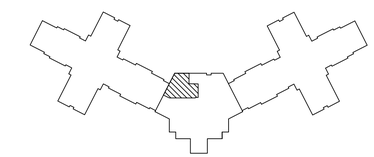
THE E.C. SHALL VERIFY ELECTRICAL WIRING CONNECTION AND PROTECTION REQUIREMENTS FOR OWNER FURNISHED EQUIPMENT IN THE FIELD WITH THE OWNER'S EQUIPMENT SUPPLIER AND WITH THE NAMEPLATE DATA. THE E.C. SHALL ALSO BE RESPONSIBLE FOR PROVIDING ALL CONNECTIONS, PROPER NEMA RECEPTACLE CONFIGURATIONS, DEVICES, SAFETY SWITCHES, ETC. LISTED ON THIS SCHEDULE, AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.



1 ENLARGED KITCHEN POWER PLAN
Scale: 1/4"=1'-0"
1' 2' 4' 8'

ENLARGED KITCHEN POWER PLAN GENERAL NOTES:

1. ALL ROUGH-INS ARE INTENDED TO COME OUT OF THE FLOOR OR WALLS AND ARE SHOWN APPROXIMATELY WHERE THEY OCCUR IN THE FIXTURE.
2. ALL CONDUIT TO BE PLACED IN THE WALLS RATHER THEN THROUGH THE FLOOR WHENEVER POSSIBLE.
3. ALL MEASUREMENTS TAKEN FROM FINISHED WALLS OR CENTERLINE OF COLUMNS.
4. ALL DIMENSIONS TAKEN FROM FINISHED FLOOR LINE MAY INCREASE TWO(2) INCHES OR DECREASE ONE(1) INCH WITH LEG ADJUSTMENT.
5. ALL MECHANICAL STUBBING IN CENTER OF FLOOR TO BE SIX(6) INCHES OR LESS TO CLEAR EQUIPMENT BASES, THEN BRANCH TO FINAL CONNECTION.
6. E.C. TO PROVIDE ELECTRICAL SERVICE FOR AUTOMATIC FIRE EXTINGUISHER SYSTEM FROM ELECTRICAL PANELS TO VENTILATING HOOD AND TO CHEMICAL TANK LOCATION.
7. ALL ELECTRICALLY FIRED AND ELECTRICALLY POWERED COOKING EQUIPMENT INSTALLED BELOW EXHAUST HOOD REQUIRES A SHUNT TRIP BREAKER AND WIRING THROUGH MICROSWITCHES IN FIRE SYSTEM SUPPLIED BY E.C.
8. THE ROUGH-INS SHOWN ARE FOR EQUIPMENT SUPPLIED BY FOODCRAFT EQUIPMENT CO. VERIFY WITH OWNER FOR ROUGH-IN NOT SUPPLIED BY FOODCRAFT EQUIPMENT CO.
9. THE ROUGH-INS SHOWN ON THIS DRAWING ARE REQUIRED FOR OPERATION OF EQUIPMENT SUPPLIED BY FOODCRAFT EQUIPMENT CO., ACCORDING TO MANUFACTURER SPECIFICATIONS. THESE ROUGH-INS ARE MANUFACTURER'S REQUIREMENTS FOR OPERATION OF THE EQUIPMENT ONLY. FOODCRAFT EQUIPMENT CO. WILL NOT BE LIABLE FOR ANY DEVIATION FROM THESE ROUGH-INS. IT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL TRADES TO ENSURE THAT SUPPLY LINES,WASTES, CARRY-OFF, WIRE SIZES, ETC., MEET ALL LOCAL CODES.
10. WHERE LOCAL CODES REQUIRE DISCONNECTS, E.C. TO LOCATE AND PROVIDE REQUIRED CLEARANCES.



KEY PLAN

ENLARGED KITCHEN POWER PLAN GENERAL NOTES:

1. CONNECT THRU DISPOSER CONTROL TO SOLENOID VALVE AND MOTOR.
2. CONNECT TO KEC (SECTION 114000) FURNISHED JUNCTION BOX AT WALK-IN DOOR ASSEMBLY. LIGHT FIXTURE AT DOOR IS PREWIRED TO FACTORY MOUNTED LIGHT SWITCH. MOUNT ADDITIONAL KEC (SECTION 114000) FURNISHED LIGHTS WHERE INDICATED AND CONNECT TO SWITCH. CONDUIT SHALL BE INSTALLED ABOVE WALK-IN AND NOT EXPOSED ON INTERIOR UNLESS READ. CONDUIT PENETRATING WALK-IN SHALL BE NON-METALLIC OR PVC.
3. CONNECT KEC (SECTION 114000) FURNISHED TEMPERATURE ALARM SYSTEM. COORDINATE WITH BUILDING SYSTEM(S).
4. INSTALL KEC (SECTION 114000) FURNISHED DEFROST TIMER CONNECT THRU TIMER TO EVAPORATOR COIL.
5. CONNECT FROM KEC (SECTION 114000) FURNISHED CONDENSING UNIT. THRU DEFROST TIMER TO EVAPORATOR COIL.
6. CONNECT EXHAUST FAN THRU FAN CONTROL CONTACTS IN DISHWASHER.
7. CONNECT TO EXHAUST HOOD LIGHT(S), CONTROL(S), AND EXHAUST FAN(S), MAKE-UP AIR UNIT(S) AS REQUIRED. INTERWIRE HOOD SECTIONS, MOTOR STARTERS/DRIVES, AND OVERLOAD PROTECTION AS REQUIRED. INSTALL COMPONENTS AND SENSORS SHIPPED LOOSE. REFER TO SYSTEM SHOP DRAWING(S) FOR ADDITIONAL SCHEMATICS.
8. CONNECT 120 VOLT FROM KEC (SECTION 114000) FURNISHED MICRO SWITCH IN FIRE SUPPRESSION SYSTEM CONTROL PANEL TO SHUNT TRIP BREAKER(S) FOR SHUT DOWN OF POWER TO ALL ELECTRICAL DEVICES UNDER HOOD(S) AND 18" OUTSIDE PERIMETER OF HOOD(S) CONNECT FROM MICRO SWITCH TO DIVISION 26 FURNISHED RELAY(S) OR SWITCHES FOR SHUT DOWN/CONTROL OF HOOD LIGHTS, MAKE-UP AIR FAN. AND FIRE ALARM SYSTEM.
9. CONNECT 120 VOLT FROM KEC (SECTION 114000) FURNISHED MICRO SWITCH IN FIRE SUPPRESSION SYSTEM CONTROL PANEL THRU MANUAL RESET RELAY TO ELECTRIC GAS VALVE. PROVIDE CONTROL INTERWIRING BETWEEN THE FIRE SUPPRESSION SYSTEM AND ASSOCIATED ELECTRICAL GAS SOLENOID VALVES, RESET RELAYS, AND PULL STATIONS AS REQD.
10. FURNISH AND INSTALL CONCEALED CONDUIT AND RECESSED OCTAGONAL JUNCTION BOX IN WALL AT 42-48" AFF FOR REMOTE MANUAL PULL STATION(S). COORDINATE LOCATION(S) WITH FIRE SUPPRESSION SYSTEM CONTRACTOR AND AUTHORITIES HAVING JURISDICTION PRIOR TO ROUGH-IN.

2026-06-24 - 1/4" = 1'-0"

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

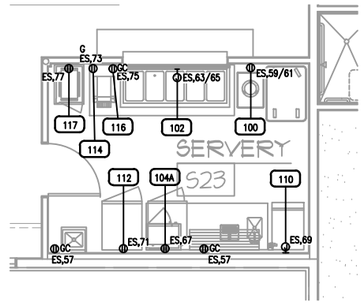
BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1935 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
ENLARGED KITCHEN POWER PLAN

DAI PROJECT NO.
26032

E4.2



2 ENLARGED PLAN - SOUTH WING SERVERY

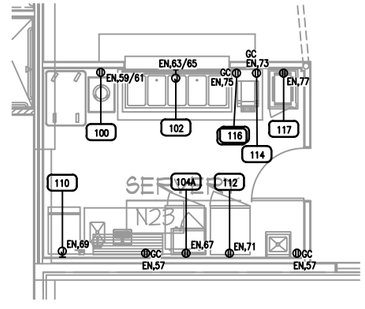
Scale: 1/4" = 1'-0"

1' 2' 4' 8'

SOUTH SERVERY FOOD EQUIPMENT CONNECTION SCHEDULE

ITEM	DESCRIPTION	LOCATION	VOLTAGE AND PHASE	BREAKER SIZE	AMPS	KW	CONNECTION	CONDUIT AND WIRE SIZE	PANEL	CIRCUIT NUMBER	CIRCUIT BRKR/ SWTCH/FUSE SIZE	NOTES
100	MOBILE PLATE AND DISH DISPENSER	SOUTH SERVERY S23	208V-1Ø	20	15	3.1	RECEPTACLE	3#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	ES	59,61	20A/2P GFCI BREAKER	
102	HOT FOOD WELL UNIT, DROP-IN, ELECTRIC	SOUTH SERVERY S23	208V-1Ø	30	28.9	6.0	DISCONNECT SWITCH	3#10AWG, 1#10AWG(G) IN 3/4" CONDUIT	ES	63,65	30A/2P	
104A	REACH-IN UNDERCOUNTER FREEZER	SOUTH SERVERY S23	120V-1Ø	20	4.8	0.6	RECEPTACLE	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	ES	67	20A/1P GFCI BREAKER	
110	ICE MAKER, CUBE-STYLE	SOUTH SERVERY S23	120V-1Ø	20	9.05	1.1	DISCONNECT SWITCH	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	ES	69	20A/1P	GFCI RECEPTACLE
112	REACH-IN REFRIGERATOR	SOUTH SERVERY S23	120V-1Ø	20	5	0.6	RECEPTACLE	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	ES	71	20A/1P GFCI BREAKER	
114	MICROWAVE OVEN	SOUTH SERVERY S23	120V-1Ø	20	13	1.6	RECEPTACLE	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	ES	73	20A/1P GFCI BREAKER	
116	CONVEYOR TOASTER	SOUTH SERVERY S23	120V-1Ø	20	15	1.8	RECEPTACLE	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	ES	75	20A/1P	GFCI RECEPTACLE
117	MOBILE HEATED CABINET	SOUTH SERVERY S23	120V-1Ø	20	2	0.2	RECEPTACLE	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	ES	77	20A/1P GFCI BREAKER	

THE E.C. SHALL VERIFY ELECTRICAL WIRING CONNECTION AND PROTECTION REQUIREMENTS FOR OWNER FURNISHED EQUIPMENT IN THE FIELD WITH THE OWNER'S EQUIPMENT SUPPLIER AND WITH THE NAMEPLATE DATA. THE E.C. SHALL ALSO BE RESPONSIBLE FOR PROVIDING ALL CONNECTIONS, PROPER NEMA RECEPTACLE CONFIGURATIONS, DEVICES, SAFETY SWITCHES, ETC. LISTED ON THIS SCHEDULE, AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.



2 ENLARGED PLAN - NORTH WING SERVERY

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

1' 2' 4' 8'

NORTH SERVEREY FOOD EQUIPMENT CONNECTION SCHEDULE

ITEM	DESCRIPTION	LOCATION	VOLTAGE AND PHASE	BREAKER SIZE	AMPS	KW	CONNECTION	CONDUIT AND WIRE SIZE	PANEL	CIRCUIT NUMBER	CIRCUIT BRKR/ SWTCH/FUSE SIZE	NOTES
100	MOBILE PLATE AND DISH DISPENSER	SOUTH SERVERY S23	208V-1Ø	20	15	3.1	RECEPTACLE	3#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	EN	59,61	20A/2P GFCI BREAKER	
102	HOT FOOD WELL UNIT, DROP-IN, ELECTRIC	SOUTH SERVERY S23	208V-1Ø	30	28.9	6.0	DISCONNECT SWITCH	3#10AWG, 1#10AWG(G) IN 3/4" CONDUIT	EN	63,65	30A/2P	
104A	REACH-IN UNDERCOUNTER FREEZER	SOUTH SERVERY S23	120V-1Ø	20	4.8	0.6	RECEPTACLE	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	EN	67	20A/1P GFCI BREAKER	
110	ICE MAKER, CUBE-STYLE	SOUTH SERVERY S23	120V-1Ø	20	9.05	1.1	DISCONNECT SWITCH	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	EN	69	20A/1P	GFCI RECEPTACLE
112	REACH-IN REFRIGERATOR	SOUTH SERVERY S23	120V-1Ø	20	5	0.6	RECEPTACLE	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	EN	71	20A/1P GFCI BREAKER	
114	MICROWAVE OVEN	SOUTH SERVERY S23	120V-1Ø	20	13	1.6	RECEPTACLE	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	EN	73	20A/1P GFCI BREAKER	
116	CONVEYOR TOASTER	SOUTH SERVERY S23	120V-1Ø	20	15	1.8	RECEPTACLE	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	EN	75	20A/1P	GFCI RECEPTACLE
117	MOBILE HEATED CABINET	SOUTH SERVERY S23	120V-1Ø	20	2	0.2	RECEPTACLE	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	EN	77	20A/1P GFCI BREAKER	

THE E.C. SHALL VERIFY ELECTRICAL WIRING CONNECTION AND PROTECTION REQUIREMENTS FOR OWNER FURNISHED EQUIPMENT IN THE FIELD WITH THE OWNER'S EQUIPMENT SUPPLIER AND WITH THE NAMEPLATE DATA. THE E.C. SHALL ALSO BE RESPONSIBLE FOR PROVIDING ALL CONNECTIONS, PROPER NEMA RECEPTACLE CONFIGURATIONS, DEVICES, SAFETY SWITCHES, ETC. LISTED ON THIS SCHEDULE, AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION
06.14.26

BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1975 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

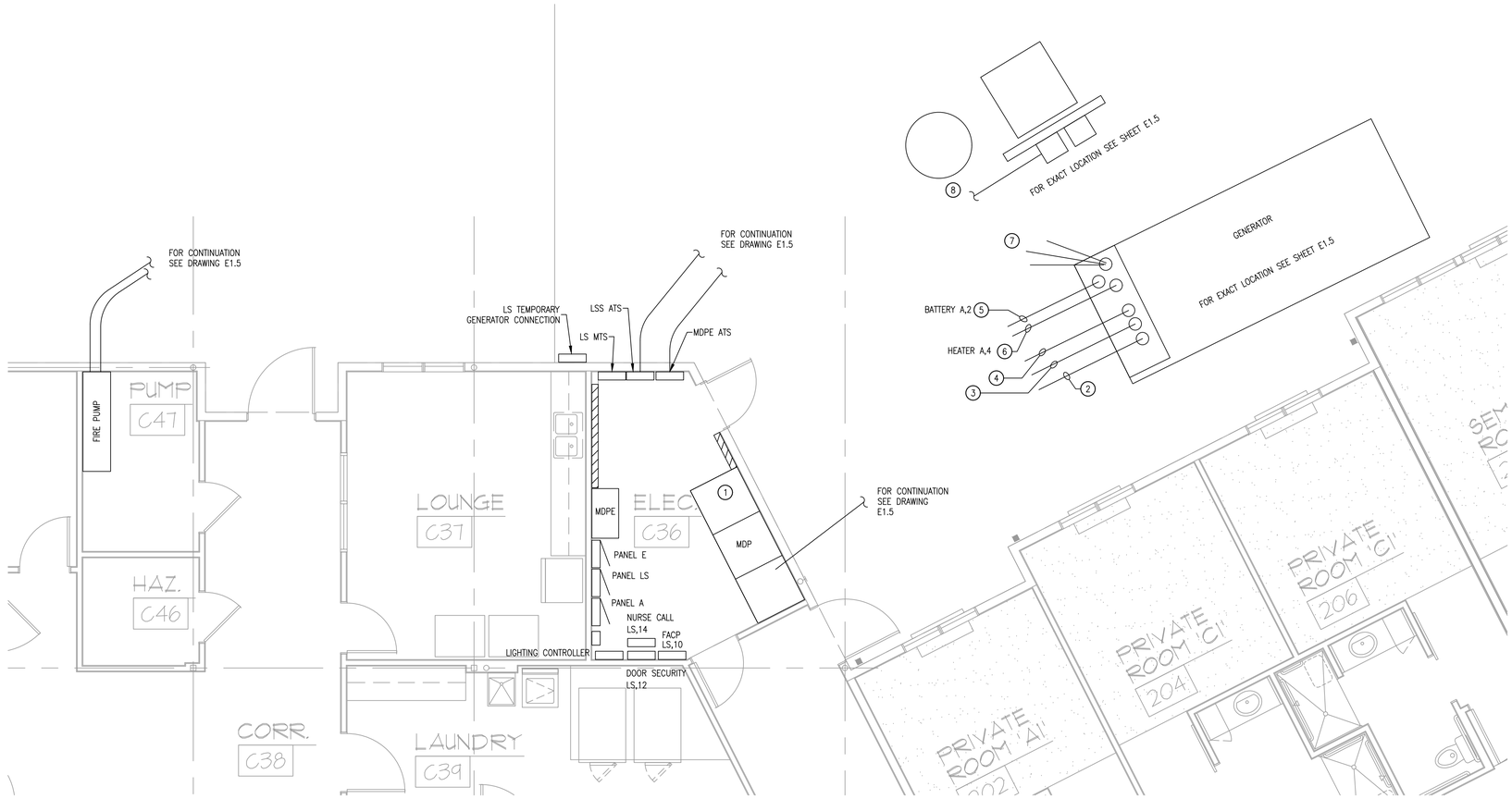
COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
ENLARGED SERVERY

DAI PROJECT NO.
24-032

E4.3

2026-06-24 - 29/256" = 1'-0"



2 ENLARGED ELECTRICAL ROOM

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

1' 2' 4' 8'

ENLARGED ELECTRICAL ROOM CODED NOTES:

1. VERIFY SWITCH GEAR SPACE WITH MANUFACTURER, PROVIDE ADDITION TELEPHONE BACKBOARD IF WALL SPACE BECOMES AVAILABLE.
2. PROVIDE 3/4" PVC SCH.40 CONDUIT FOR REMOTE ANNUNCIATOR CABLE.
3. PROVIDE 2#10AWG, 1#10AWG(G), 3/4" PVC SCH.40 CONDUIT FOR GENERATOR ENGINE START CONTACTS TO EACH A.T.S.
4. PROVIDE 3/4" PVC SCH.40 CONDUIT WITH PULLWIRE (SPARE).
5. PROVIDE 2#12AWG, 1#12AWG(G), 3/4" PVC SCH.40 CONDUIT FOR BATTERY CHARGER CIRCUIT A,2
6. PROVIDE 2#12AWG, 1#12AWG(G), 3/4" PVC SCH.40 CONDUIT FOR BLOCK HEATER CIRCUIT A,4
7. REFER TO POWER DISTRIBUTION DIAGRAM FOR GENERATOR FEEDS TO MDPE ATS, LS MTS AND FIRE PUMP.
8. SANITARY PUMPS, REFER TO CIVIL PLANS FOR FINAL LOCATION, REFER TO POWER DISTRIBUTION FOR WIRING AND CONDUIT.

ENLARGED ELECTRICAL ROOM GENERAL NOTES:

1. REFER TO POWER PLAN FOR RECEPTACLE AND CIRCUITING, PLAN USED TO SHOW PANEL, SWITCH GEAR AND SWITCH LOCATIONS.

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1975 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

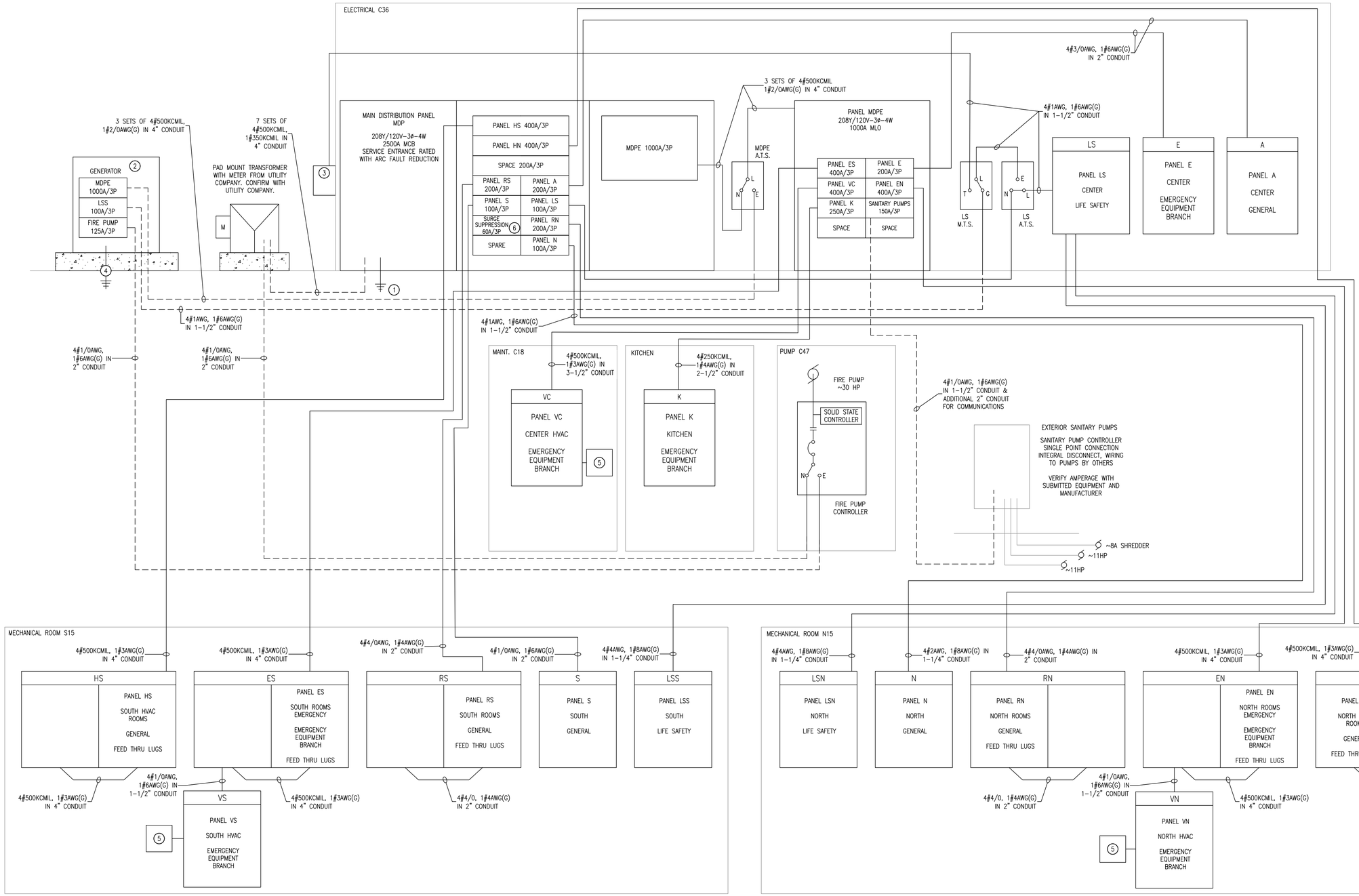
COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
ENLARGED ELECTRICAL ROOM

DAI PROJECT NO.
26032

E4.4

2026-06-24 - 1/4" = 1'-0"



THE E.C. SHALL PROVIDE ARC FAULT/ARC FLASH STUDY. ALL SWITCHBOARDS, PANELBOARDS, AND METER SOCKET ENCLOSURES, THAT ARE LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE WHILE ENERGIZED, SHALL BE FIELD OR FACTORY MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS, IN ACCORDANCE WITH NEC 110.16. THE LABEL OR MARKING SHALL BE LOCATED SO AS TO BE CLEARLY VISIBLE, SHALL BE PERMANENTLY AFFIXED, AND SHALL NOT BE HANDWRITTEN.

SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD, WITH A NAMEPLATE – INDICATING THE MAXIMUM AVAILABLE FAULT CURRENT, INCLUDING THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED. THE CALCULATION SHALL BE DOCUMENTED AND MADE AVAILABLE TO THOSE AUTHORIZED TO DESIGN, INSTALL, INSPECT, MAINTAIN, OR OPERATE THE SYSTEM. COORDINATE AVAILABLE FAULT CURRENT WITH THE UTILITY COMPANY PRIOR TO ORDERING GEAR

ALL SWITCHBOARDS, SWITCHGEAR, AND PANELBOARDS SUPPLIED BY FEEDER(S) SHALL BE PERMANENTLY MARKED TO INDICATE EACH DEVICE OR EQUIPMENT WHERE THE POWER ORIGINATES.

POWER RISER DIAGRAM

SCALE: NO SCALE

POWER DISTRIBUTION DIAGRAM CODED NOTES:

1. SEE GROUNDING DETAIL ON SHEET E0.5
2. GENERATOR – REFER TO E1.5 FOR DETAILS.
3. TEMPORARY GENERATOR CONNECTION POINT (NEC 700.3(F)), 100 AMP, 208Y/120V-3Ø-4W. NEMA 3R WITH 100A/3 MAIN BREAKER, PHASE ROTATION MONITOR, MALE CAM LOCK PANEL MOUNTS AND COVERS.
4. GENERATOR PAD AND GROUNDING DETAILS – REFER TO E0.5.
5. TIMECLOCK, REFER TO PLAN FOR DETAILS.
6. PROVIDE SURGE SUPPRESSION WITH MDP, COORDINATE WITH SWITCHGEAR MANUFACTURER, TYPE 1 OR TYPE 2 ACCEPTABLE. INSTALL PER NEC AND MANUFACTURER'S RECOMMENDATIONS.

2026-06-24 - 1/8" = 1'-0"

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
193/195 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
POWER DISTRIBUTION DIAGRAM
DAI PROJECT NO. 26032

E5.1

LIGHTING FIXTURE SCHEDULE

TYPE	LUMINAIRE			DESCRIPTION	MOUNTING	CATALOG NO.
	LAMP	DIMMING	WATTAGE			
A	LED 35/4/5000K 33/44/5500LM 120V	0–10V 1%	45W	2X4 BACKLIT FLAT PANEL, SELECTABLE COLOR TEMPERATURE, SELECTABLE LUMEN, COORDINATE COLOR TEMPERATURE AND LUMEN SETTING WITH OWNER	LAY–IN	COLUMBIA CBT 24 A LSCS EDD OR EQUAL
B	LED 35/4/5000K 37/50/6000L 120V	0–10V 1%	45W	2X4 TROFFER WITH CENTER BASKET, SELECTABLE COLOR TEMPERATURE, SELECTABLE LUMEN, COORDINATE COLOR TEMPERATURE AND LUMEN SETTING WITH OWNER	LAY–IN	COLUMBIA CLT24 LSCS EDD OR EQUAL
C	LED 35/4/5000K 32/37/5000LM 120V	0–10V 1%	38W	2X2 TROFFER WITH CENTER BASKET, SELECTABLE COLOR TEMPERATURE, SELECTABLE LUMEN, COORDINATE COLOR TEMPERATURE AND LUMEN SETTING WITH OWNER	LAY–IN	COLUMBIA CLT22 LSCS EDD OR EQUAL
D	LED 3/35/4/5000K 45/53/5800LM 120V	0–10V 1%	41W	4' WRAPAROUND, SELECTABLE COLOR TEMPERATURE, SELECTABLE LUMEN, COORDINATE COLOR TEMPERATURE AND LUMEN SETTING WITH OWNER	SURFACE	COLUMBIA CRW4–A–LSCS OR EQUAL
F	LED – – –	0–10V 1%	~43W	WALL MOUNTED 4' VANITY, FINAL FIXTURE SELECTION TO BE DETERMINED	WALL	HE WILLIAMS SLF 4' L26 8 35 HIA DRV UNV OR EQUAL
G	LED 27/3/35/4/5K 7/1050/1400LM 120V	0–10V 1%	19W	4" DOWNLIGHT, ABOVE SUITES, SELECTABLE COLOR TEMPERATURE, SELECTABLE LUMEN, COORDINATE COLOR TEMPERATURE AND LUMEN SETTING WITH OWNER	RECESSED	PRESCOLITE LBRP–M–LS SL CS9 WD LBRP 4RD T DWT OR EQUAL
H	LED 27/3/35/4/5K 7/1050/1400LM 120V	0–10V 1%	19W	6" DOWNLIGHT, SELECTABLE COLOR TEMPERATURE, SELECTABLE LUMEN, COORDINATE COLOR TEMPERATURE AND LUMEN SETTING WITH OWNER	RECESSED	PRESCOLITE LBRP–M–LS SL CS9 WD LBRP 6RD T DWT OR EQUAL
J	LED – – –	0–10V 1%	~50W	DINING DECORATIVE FIXTURE, TO BE SELECTED BY OWNER	–	–
K	LED – – –	0–10V 1%	~50W	LOUNGE DECORATIVE FIXTURE, TO BE SELECTED BY OWNER	–	–
L	LED – – –	0–10V 1%	~100W	CHANDELIER, TO BE SELECTED BY OWNER	–	–
M	LED – – –	0–10V 1%	~50W	NURSE STATION DECORATIVE FIXTURE, TO BE SELECTED BY OWNER	–	–
Q	LED – – –	0–10V 1%	~50W	CONFERENCE PENDANT, TO BE SELECTED BY OWNER	–	–
R	LED 3000K 91 LM/FT 24V	0–10V 1%	75W	~125' COVE LIGHTING, VERIFY LENGTH IN THE FIELD, PROVIDE COMPATIBLE POWER SUPPLY MOUNTED IN ACCESSIBLE LOCATION HIDDEN FROM VIEW, 0–10V DIMMING COMPATIBLE WITH LIGHTING CONTROL SYSTEM, COORDINATE WITH MANUFACTURER FOR LONG RUN, PROVIDE ALUMINUM CHANNEL FOR MOUNTING	COVE	QTL SD–DW24/6.0 DRY 30 CONNECTOR/WIRE IN CONNECTOR/WIRE OUT WIRE COLOR WIRE TYPE ~125'
T	LED 3000K 1500LM	0–10V 1%	12W	4" ADJUSTABLE ACCENT WALL WASH DOWNLIGHT, VERIFY COLOR TEMPERATURE WITH ARCHITECT AND OTHER LIGHTS, SPECULAR REFLECTOR WHITE TRIM	RECESSED	PRESCOLITE LFR–4RA–M 15L 30K 8 MD DM1 LFR–4RA–T S WT OR EQUAL
X	LED 120V – –	–	–W	LED UNIVERSAL MOUNT EXIT SIGN WITH WHITE HOUSING, RED LETTERS, NICAD BATTERY, AND EXTRA FACEPLATE FOR DOUBLE FACED SIGNS.	–	LITHONIA LIGHTING LQM SERIES OR EQUAL

LIGHTING FIXTURE SCHEDULE NOTES:

1. THE E.C. SHALL COORDINATE ALL COLORS, FINISHES, LENGTHS, ETC. OF FIXTURES WITH THE ARCHITECT AND ACTUAL FIELD CONDITIONS PRIOR TO PLACING PURCHASE ORDER.
2. THE E.C. SHALL COORDINATE ALL TRIMS OF LIGHT FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS, EXISTING CONDITIONS, ETC. AND INCLUDE APPROPRIATE TRIM (LAY–IN, DRYWALL, ETC.) IN BASE BID. SUBMISSION OF SHOP DRAWINGS WILL BE INTERPRETED THAT THIS COORDINATION WITH THE ARCHITECT HAS BEEN COMPLETED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO THE LACK OF THIS COORDINATION.

NEC 517.42 TYPE 2 NOTES:

517.42 ESSENTIAL ELECTRICAL SYSTEMS FOR NURSING HOMES AND LIMITED CARE FACILITIES.
(A) GENERAL. THE ESSENTIAL ELECTRICAL SYSTEM SHALL BE DIVIDED INTO THE FOLLOWING TWO BRANCHES
(1) LIFE SAFETY BRANCH
(2) EQUIPMENT BRANCH
THE DIVISION BETWEEN THE BRANCHES SHALL OCCUR AT TRANSFER SWITCHES WHERE MORE THAN ONE TRANSFER SWITCH IS REQUIRED.
(B) TRANSFER SWITCHES. THE NUMBER OF TRANSFER SWITCHES TO BE USED SHALL BE BASED UPON RELIABILITY, DESIGN, AND LOAD CONSIDERATION. TRANSFER SWITCHES SHALL BE IN ACCORDANCE WITH ONE OF THE FOLLOWING:
(1) EACH BRANCH OF THE ESSENTIAL ELECTRICAL SYSTEM SHALL HAVE ONE OR MORE TRANSFER SWITCHES.
(2) ONE TRANSFER SWITCH SHALL BE PERMITTED TO SERVE ONE OR MORE BRANCHES IN A FACILITY WITH A CONTINUOUS LOAD ON THE SWITCH OF 150 KVA (120KW) OR LESS.
(C) CAPACITY OF SYSTEM. THE ESSENTIAL ELECTRICAL SYSTEM SHALL HAVE CAPACITY TO MEET THE DEMAND FOR THE OPERATION OF ALL FUNCTION AND EQUIPMENT TO BE SERVED BY EACH BRANCH AT ONE TIME.
(D) SEPARATION FROM OTHER CIRCUITS. THE LIFE SAFETY BRANCH AND EQUIPMENT BRANCH SHALL BE KEPT ENTIRELY INDEPENDENT OF ALL OTHER WIRING AND EQUIPMENT. THESE CIRCUITS SHALL NOT ENTER THE SAME RACEWAYS, BOXES, OR CABINETS WITH OTHER WIRING EXCEPT AS FOLLOWS:
(1) IN TRANSFER SWITCHES
(2) IN EXIT OR EMERGENCY LUMINAIRES SUPPLIED FROM TWO SOURCES
(3) IN A COMMON JUNCTION BOX ATTACHED TO EXIT OR EMERGENCY LUMINAIRES SUPPLIED FROM TWO SOURCES
(E) RECEPTACLE IDENTIFICATION. THE ELECTRICAL RECEPTACLES OR THE COVER PLATES FOR THE ELECTRICAL RECEPTACLES SUPPLIED FROM THE LIFE SAFETY BRANCHES SHALL HAVE A DISTINCTIVE COLOR OR MARKING SO AS TO BE READILY IDENTIFIABLE.

517.43 AUTOMATIC CONNECTION TO LIFE SAFETY AND EQUIPMENT BRANCH. THE LIFE SAFETY AND EQUIPMENT BRANCHES SHALL BE INSTALLED AND CONNECTED TO THE ALTERNATE SOURCE OF POWER SPECIFIED IN 517.41 SO THAT ALL FUNCTIONS SPECIFIED HEREIN FOR THE LIFE SAFETY AND EQUIPMENT BRANCHES ARE AUTOMATICALLY RESTORED TO OPERATION WITHIN 10 SECONDS AFTER INTERRUPTION OF THE NORMAL SOURCE.
NO FUNCTIONS OTHER THAN THOSE LISTED IN 517.43 (A) THROUGH (G) SHALL BE CONNECTED TO THE LIFE SAFETY BRANCH. THE LIFE SAFETY BRANCH SHALL SUPPLY POWER AS FOLLOWS:
(A) ILLUMINATION OF MEANS OF EGRESS
(B) EXIT SIGNS
(C) ALARM AND ALERTING SYSTEMS
(D) COMMUNICATIONS SYSTEMS
(E) GENERATOR SET LOCATIONS
(F) ELEVATORS
(G) AC EQUIPMENT FOR NONDELAYED AUTOMATIC CONNECTION

517.44 CONNECTION TO EQUIPMENT BRANCH. THE EQUIPMENT BRANCH SHALL BE INSTALLED AND CONNECTED TO THE ALTERNATE POWER SOURCE SUCH THAT EQUIPMENT DESCRIBED IN 517.35 (A)(6) IS AUTOMATICALLY RESTORED TO OPERATION AT APPROPRIATE TIME–LAG INTERVALS FOLLOWING THE ENERGIZING OF THE LIFE SAFETY AND CRITICAL BRANCHES.
(A) DELAYED AUTOMATIC CONNECTIONS TO EQUIPMENT BRANCH. THE FOLLOWING EQUIPMENT SHALL BE PERMITTED TO BE CONNECTED TO THE EQUIPMENT BRANCH AND SHALL BE ARRANGED FOR DELAYED AUTOMATIC CONNECTION TO THE ALTERNATE POWER SOURCE:
(1) TASK ILLUMINATION AND SELECT RECEPTACLES IN THE FOLLOWING
A. PATIENT CARE SPACES
B. MEDICATION PREPARATION SPACES
C. PHARMACY DISPENSING SPACE
D. NURSES' STATIONS – UNLESS ADEQUATELY LIGHTED BY CORRIDOR LUMINAIRES
(2) SUPPLY, RETURN AND EXHAUST VENTILATING SYSTEMS FOR AIRBORNE INFECTIOUS ISOLATION ROOMS.
(3) SUMP PUMPS AND OTHER EQUIPMENT REQUIRED TO OPERATE FOR THE SAFETY OF MAJOR APPARATUS AND ASSOCIATED CONTROL SYSTEMS AND ALARMS
(4) SMOKE CONTROL AND STAIR PRESSURIZATION SYSTEMS
(5) KITCHEN HOOD SUPPLY OR EXHAUST SYSTEMS, OR BOTH, IF REQUIRED TO OPERATE DURING A FIRE IN OR UNDER THE HOOD
(6) NURSE CALL SYSTEMS
(B) DELAYED–AUTOMATIC OR MANUAL CONNECTION TO THE EQUIPMENT BRANCH. THE EQUIPMENT SPECIFIED IN 517.44(B)(1) THROUGH (B)(4) SHALL BE PERMITTED TO BE CONNECTED TO THE EQUIPMENT BRANCH AND SHALL BE ARRANGED FOR EITHER DELAYED–AUTOMATIC OR MANUAL CONNECTION TO THE POWER SOURCE
(B)(1) HEATING EQUIPMENT TO PROVIDE HEATING FOR GENERAL PATIENT ROOMS
1) THE OUTSIDE DESIGN TEMPERATURE IS HIGHER THAN –6.7°C (20°F)
2) THE OUTSIDE DESIGN TEMPERATURE IS LOWER THAN –6/7°C (20°F) AND, WHERE A SELECTED ROOM(S) IS PROVIDED FOR THE NEEDS OF ALL CONFINED PATIENTS THEN ONLY SUCH ROOM(S) NEED BE HEATED
3) THE FACILITY IS SERVED BY A DUAL SOURCE OF NORMAL POWER AS DESCRIBED IN 517.30(C), INFORMATIONAL NOTE
(B)(2) ELEVATOR SERVICE. IN INSTANCES WHERE INTERRUPTIONS OF POWER WOULD RESULT IN ELEVATORS STOPPING BETWEEN FLOORS, THROWING OVER FACILITIES SHALL BE PROVIDED TO ALLOW THE TEMPORARY OPERATION OF ANY ELEVATOR FOR THE RELEASE OF PASSENGERS
(B)(3) OPTIONAL CONNECTIONS TO THE EQUIPMENT BRANCH. ADDITIONAL ILLUMINATION, RECEPTACLES, AND EQUIPMENT SHALL BE PERMITTED TO BE CONNECTED ONLY TO THE EQUIPMENT BRANCH.
(B)(4) MULTIPLE SYSTEMS. WHERE ONE SWITCH SERVES MULTIPLE SYSTEMS AS PERMITTED IN 517.43, TRANSFER FOR ALL LOADS SHALL BE NONDELAYED AUTOMATIC.

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1915 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
LIGHTING FIXTURE SCHEDULE

DAI PROJECT NO.
26032

E6.1

2026-06-24 - 1/8" = 1'-0"

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

ITEM	DESCRIPTION	LOCATION	VOLTAGE AND PHASE	BREAKER SIZE	AMPS	KW	HP	CONNECTION	CONDUIT AND WIRE SIZE	PANEL	CIRCUIT NUMBER	CIRCUIT BRKR/ SWTCH/FUSE SIZE	NOTES
PTAC-A	PACKAGED TERMINAL AIR CONDITIO	PRIVATE ROOM	208V-1Ø	15	15	3.1		RECEPTACLE	3#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	HS, HN	VARIOUS	15A/2P	CORD AND PLUG BY MECHANICAL CONTRACTOR, RECEPTACLE MATCHING PLUG BY ELECTRICAL CONTRACTOR, PROVIDE D.E. FUSES FOR FUSE HOLDER KIT, REFER TO E1.1 & E1.2 FOR SPECIFIC CIRCUIT NUMBER
PTAC-B	PACKAGED TERMINAL AIR CONDITIO	SEMI-PRIVATE ROOM	208V-1Ø	20	20	4.2		RECEPTACLE	3#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	HS, HN	VARIOUS	20A/2P	
EF-1	EXHAUST FAN PRIVATE ROOMS	SOUTH	120V-1Ø	20	8.2	1.0	1/6	INTEGRAL DISCONNECT SWITCH	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	VS	2	20A/1P	TIMECLOCK CONTROL
EF-2	EXHAUST FAN PRIVATE ROOMS	SOUTH	120V-1Ø	20	5	0.6	1/4	INTEGRAL DISCONNECT SWITCH	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	VS	4	20A/1P	TIMECLOCK CONTROL
EF-7	EXHAUST FAN IT ROOM S07	SOUTH	120V-1Ø	20	2	0.2		INTEGRAL DISCONNECT SWITCH	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	VS	1	20A/1P	
RTU-5	ROOFTOP UNIT	SOUTH	208V-3Ø	45	31	11.2		INTEGRAL DISCONNECT SWITCH	4#6AWG, 1#10AWG(G) IN 1" CONDUIT	VS	6,8,10	45A/3P	
DOAS-1	DEDICATED OUTDOOR AIR SYSTEM	SOUTH	208V-3Ø	45	28.7	10.3		INTEGRAL DISCONNECT SWITCH	4#6AWG, 1#10AWG(G) IN 1" CONDUIT	VS	7,9,11	45A/3P	
EH-1	ELECTRIC HEATER	SOUTH	208V-1Ø	20	15	3.1		INTEGRAL DISCONNECT SWITCH	3#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	HS	81,83	20A/2P	
EH-2	ELECTRIC HEATER	SOUTH	208V-1Ø	20	15	3.1		INTEGRAL DISCONNECT SWITCH	3#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	HS	82,84	20A/2P	
RP-1	RADIANT PANEL	SOUTH SPA	208V-1Ø	15	4	0.8		DISCONNECT SWITCH	3#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	S	17,19	15A/2P	
RP-1	RADIANT PANEL	SOUTH SPA	208V-1Ø	15	4	0.8		DISCONNECT SWITCH	3#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	S	17,19	15A/2P	
F-1	FURNACE	SOUTH NURSE LOUNG	120V-1Ø	15	14	1.7		SNAP SWITCH	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	VS	3	15A/1P	
F-2	FURNACE	SOUTH OFFICE SPA S	120V-1Ø	15	9	1.1		SNAP SWITCH	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	VS	5	15A/1P	
CU-1	CONDENSING UNIT	SOUTH	208V-1Ø	50	30	6.2		WEATHERPROOF DISCONNECT SWITCH	3#6AWG, 1#10AWG(G) IN 3/4" CONDUIT	VS	12,14	50A/2P	
CU-2	CONDENSING UNIT	SOUTH	208V-1Ø	30	18	3.7		WEATHERPROOF DISCONNECT SWITCH	3#10AWG, 1#10AWG(G) IN 3/4" CONDUIT	VS	16,18	30A/2P	
EF-5	EXHAUST FAN PRIVATE ROOMS	NORTH	120V-1Ø	20	5	0.6	1/4	INTEGRAL DISCONNECT SWITCH	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	VN	1	20A/1P	TIMECLOCK CONTROL
EF-6	EXHAUST FAN PRIVATE ROOMS	NORTH	120V-1Ø	20	8.2	1.0	1/6	INTEGRAL DISCONNECT SWITCH	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	VN	2	20A/1P	TIMECLOCK CONTROL
EF-8	EXHAUST FAN IT ROOM N07	NORTH	120V-1Ø	20	2	0.2		INTEGRAL DISCONNECT SWITCH	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	VN	4	20A/1P	
RTU-6	ROOFTOP UNIT	NORTH	208V-3Ø	45	31	11.2		INTEGRAL DISCONNECT SWITCH	4#6AWG, 1#10AWG(G) IN 1" CONDUIT	VN	6,8,10	45A/3P	
DOAS-2	DEDICATED OUTDOOR AIR SYSTEM	NORTH	208V-3Ø	45	28.7	10.3		INTEGRAL DISCONNECT SWITCH	4#6AWG, 1#10AWG(G) IN 1" CONDUIT	VN	7,9,11	45A/3P	
EH-3	ELECTRIC HEATER	NORTH	208V-1Ø	20	15	3.1		INTEGRAL DISCONNECT SWITCH	3#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	HN	81,83	20A/2P	
EH-4	ELECTRIC HEATER	NORTH	208V-1Ø	20	15	3.1		INTEGRAL DISCONNECT SWITCH	3#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	HN	82,84	20A/2P	
RP-1	RADIANT PANEL	NORTH SPA	208V-1Ø	15	4	0.8		DISCONNECT SWITCH	3#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	N	17,19	15A/2P	
RP-1	RADIANT PANEL	NORTH SPA	208V-1Ø	15	4	0.8		DISCONNECT SWITCH	3#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	N	17,19	15A/2P	
F-3	FURNACE	NORTH NURSE LOUNG	120V-1Ø	15	14	1.7		SNAP SWITCH	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	VN	3	15A/1P	
F-4	FURNACE	NORTH OFFICE SPA S	120V-1Ø	15	9	1.1		SNAP SWITCH	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	VN	5	15A/1P	
CU-3	CONDENSING UNIT	NORTH	208V-1Ø	50	30	6.2		WEATHERPROOF DISCONNECT SWITCH	3#6AWG, 1#10AWG(G) IN 3/4" CONDUIT	VN	12	50A/2P	
CU-4	CONDENSING UNIT	NORTH	208V-1Ø	30	18	3.7		WEATHERPROOF DISCONNECT SWITCH	3#10AWG, 1#10AWG(G) IN 3/4" CONDUIT	VN	14	30A/2P	
									#N/A				
									#N/A				
RTU-1	ROOFTOP UNIT	PHYSICAL THERAPY	208V-3Ø	45	33	11.9		INTEGRAL DISCONNECT SWITCH	4#6AWG, 1#10AWG(G) IN 1" CONDUIT	VC	1,3,5	45A/3P	
RTU-2	ROOFTOP UNIT	LOBBY	208V-3Ø	45	33	11.9		INTEGRAL DISCONNECT SWITCH	4#6AWG, 1#10AWG(G) IN 1" CONDUIT	VC	7,9,11	45A/3P	
RTU-3	ROOFTOP UNIT	OFFICE / ACTIVITY	208V-3Ø	45	33	11.9		INTEGRAL DISCONNECT SWITCH	4#6AWG, 1#10AWG(G) IN 1" CONDUIT	VC	13,15,17	45A/3P	
RTU-4	ROOFTOP UNIT	KITCHEN / LAUNDRY	208V-3Ø	50	38	13.7		INTEGRAL DISCONNECT SWITCH	4#6AWG, 1#10AWG(G) IN 1" CONDUIT	VC	2,4,6	50A/3P	
EF-3	EXHAUST FAN MENS, WOMENS, LAV	CENTER	120V-1Ø	15	4.8	0.6		INTEGRAL DISCONNECT SWITCH	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	VC	8	15A/1P	TIMECLOCK CONTROL
EF-9	EXHAUST FAN C46 HAZ	CENTER	120V-1Ø	15	0.2	0.0		INTEGRAL DISCONNECT SWITCH	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	E	12	15A/1P	CONTINUOUS OPERATION
EF-10	EXHAUST FAN C49 OXYGEN	CENTER	120V-1Ø	15	0.2	0.0		INTEGRAL DISCONNECT SWITCH	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	E	12	15A/1P	CONTINUOUS OPERATION
EDH-1	ELECTRIC DUCT HEATER	CENTER	208V-1Ø	20	12	2.5		INTEGRAL DISCONNECT SWITCH	3#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	VC	10,12	20A/2P	
EDH-2	ELECTRIC DUCT HEATER	CENTER	208V-1Ø	25	21	4.4		INTEGRAL DISCONNECT SWITCH	3#10AWG, 1#10AWG(G) IN 3/4" CONDUIT	VC	14,16	25A/2P	
EH-5	ELECTRIC HEATER	CENTER	208V-3Ø	20	11.2	4.0		INTEGRAL DISCONNECT SWITCH	4#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	VC	18,20,22	20A/3P	
WH-1	GAS WATER HEATER	CENTER	120V-1Ø	20	10	1.2		SNAP SWITCH	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	E	14	20A/1P	ELECTRONIC IGNITION, PROVIDE DISCONNECTING MEANS
WH-2	GAS WATER HEATER	CENTER	120V-1Ø	20	10	1.2		SNAP SWITCH	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	E	16	20A/1P	ELECTRONIC IGNITION, PROVIDE DISCONNECTING MEANS
WH-3	GAS WATER HEATER	CENTER	120V-1Ø	20	10	1.2		SNAP SWITCH	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	E	18	20A/1P	ELECTRONIC IGNITION, PROVIDE DISCONNECTING MEANS
PP-1	DOMESTIC CIRCULATING PUMP	CENTER	120V-1Ø	20	10	1.2		SNAP SWITCH	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	E	20	20A/1P	
PP-2	DOMESTIC CIRCULATING PUMP	CENTER	120V-1Ø	20	10	1.2		SNAP SWITCH	2#12AWG, 1#12AWG(G) IN 3/4" CONDUIT	E	20	20A/1P	

THE E.C. SHALL VERIFY ELECTRICAL WIRING CONNECTION AND PROTECTION REQUIREMENTS FOR OWNER FURNISHED EQUIPMENT IN THE FIELD WITH THE OWNER'S EQUIPMENT SUPPLIER AND WITH THE NAMEPLATE DATA. THE E.C. SHALL ALSO BE RESPONSIBLE FOR PROVIDING ALL CONNECTIONS, PROPER NEMA RECEPTACLE CONFIGURATIONS, DEVICES, SAFETY SWITCHES, ETC. LISTED ON THIS SCHEDULE, AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.

2026-06-24 - 1/8" = 1'-0"

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1915 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
MECHANICAL EQUIPMENT CONNECTION SCHEDULE
DAI PROJECT NO.
26032

E6.2

PANELBOARD: VC

LOCATION: ELEC C36 — **VOLTAGE:** 208Y/120V-3P-4W WYE
MOUNTING: SURFACE MOUNT — **AIC RATING:**
MAIN DEVICE: 400A MCB — **NOTES:**
BUS AMPS: 400A

	LOAD DESCRIPTION	LOAD TYPE	BKR	P	A KVA	B KVA	C KVA	P	BKR	LOAD TYPE	LOAD DESCRIPTION	
1	RTU-1	H	45	3	4.0	4.6		3	50	H	RTU-4	2
3		H				4.0	4.6			H		4
5		H					4.0	4.6		H		6
7	RTU-2	H	45	3	4.0	0.6		1	15	H	EF-3	8
9		H				4.0	1.2	2	20	H	EDH-1	10
11		H					4.0	1.2		H		12
13	RTU-3	H	45	3	4.0	2.2		2	20	H	EDH-2	14
15		H				4.0	2.2			H		16
17		H					4.0	1.3		H		18
19	SPACE			1		1.3		3	20	H	EH-5	20
21	SPACE			1			1.3			H		22
23	SPACE			1				1			SPACE	24
25	SPACE			1				1			SPACE	26
27	SPACE			1				1			SPACE	28
29	SPACE			1				1			SPACE	30
	TOTAL LOAD:				20.5	21.2	19.0					
	TOTAL AMPS:				57.1	58.9	52.9					

		TCL	TDL
Receptacle	R	0	0
Motor	M	0	0
Appliance	A	0	0
Kitchen	K	0	0
HVAC	H	60.7683	61
Lighting	L	0	0
Miscellaneous	Z	0	0

TOTAL CONNECTED LOAD:	60.8 KW
TOTAL DEMAND LOAD	60.8 KW
TOTAL CONNECTED AMPS	169 A
TOTAL DEMAND AMPS	169 A

PANELBOARD: MDP

LOCATION: ELEC C36 — **VOLTAGE:** 208Y/120V-3P-4W WYE
MOUNTING: SURFACE MOUNT — **AIC RATING:**
MAIN DEVICE: 2500A MCB — **NOTES:**
BUS AMPS: 3000A

	LOAD DESCRIPTION	LOAD TYPE	BKR	P	A KVA	B KVA	C KVA	P	BKR	LOAD TYPE	LOAD DESCRIPTION	
1	PANEL HS	H	400	3	37.7							2
		H				37.7						
		H					37.7					
3	PANEL HN	H	400	3	37.7							4
		H				37.7						
		H					37.7					
5	PANEL MDPE	Z	1000	3	110							6
		Z				110						
		Z					110					
7	PANEL S	Z	100	3	5.0	5.0		3	100	Z	PANEL N	8
		Z				5.0	5.0			Z		
		Z					5.0	5.0		Z		
9	PANEL RS	Z	200	3	14.0	0.0		3	200	Z	PANEL RN	10
		Z				14.0	0.0			Z		
11	SURGE SUPRESSION	Z	60	3	12.7			3	200	Z	PANEL A	12
		Z				12.7				Z		
		Z					12.7			Z		
13	SPACE				1.5			3	100	Z	PANEL LS	14
						1.5				Z		
							1.5			Z		
	TOTAL LOAD:				223.0	223.0	223.0					
	TOTAL AMPS:				619.8	619.8	619.8					

		TCL	TDL
Receptacle	R	0	0
Motor	M	0	0
Appliance	A	0	0
Kitchen	K	0	0
Resident HVAC	H	226.304	226
Lighting	L	0	0
Miscellaneous	Z	442.814	443

TOTAL CONNECTED LOAD:	669.1 KW
TOTAL DEMAND LOAD	669.1 KW
TOTAL CONNECTED AMPS	1859 A
TOTAL DEMAND AMPS	1859 A

PANELBOARD: MDPE

LOCATION: ELEC C36 — **VOLTAGE:** 208Y/120V-3P-4W WYE
MOUNTING: SURFACE MOUNT — **AIC RATING:**
MAIN DEVICE: 1000A MLO — **NOTES:**
BUS AMPS: 1000A

	LOAD DESCRIPTION	LOAD TYPE	BKR	P	A KVA	B KVA	C KVA	P	BKR	LOAD TYPE	LOAD DESCRIPTION	
1	PANEL ES	Z	400	3	24.9	24.9		3	400	Z	PANEL EN	2
		Z				24.9	24.9			Z		
		Z					24.9	24.9		Z		
3	PANEL VC	H	200	3	20.3	8.6		3	200	Z	PANEL E	4
		H				20.3	8.6			Z		
		H					20.3	8.6		Z		
5	SANITARY PUMPS	Z	150	3	12.0	18.9		3	250	Z	PANEL K	6
		Z				12.0	18.9			Z		
		Z					12.0	18.9		Z		
7	SPACE			3				3			SPACE	8
	TOTAL LOAD:				109.5	109.5	109.5					
	TOTAL AMPS:				304.4	304.4	304.4					

		TCL	TDL
Receptacle	R	0	0
Motor	M	0	0
Appliance	A	0	0
Kitchen	K	0	0
HVAC	H	60.7683	61
Lighting	L	0	0
Miscellaneous	Z	267.797	268

TOTAL CONNECTED LOAD:	328.6 KW
TOTAL DEMAND LOAD	328.6 KW
TOTAL CONNECTED AMPS	913 A
TOTAL DEMAND AMPS	913 A

PANELBOARD: A

LOCATION: ELEC C36 — **VOLTAGE:** 208Y/120V-3P-4W WYE
MOUNTING: SURFACE MOUNT — **AIC RATING:**
MAIN DEVICE: 200A MLO — **NOTES:**
BUS AMPS: 225A

	LOAD DESCRIPTION	LOAD TYPE	BKR	P	A KVA	B KVA	C KVA	P	BKR	LOAD TYPE	LOAD DESCRIPTION	
1						1.2		1	20	R	GENERATOR BATTERY	2
3	CORR. C20 REMAINING PANELS	L	20	1		0.4	1.2	1	20	H	GENERATOR HEATER	4
5	EXTERIOR SCONES/C32C/20/C20 V	L	20	1			0.4	0.6	1	20	R	SALON C30 3R	6
7	CONFERENCE C03 4R	R	20	1	0.8	0.4			1	20	R	SALON C30 2R	8
9	OFFICE C15, STOR C08, STOR C17	R	20	1		1.0	1.2		1	20	R	OFFICE C31 C29 6R	10
11	CORRIDOR S01 C20 5R	R	20	1			1.0	1.2	1	20	R	OFFICE C28 C26 6R	12
13	FRONT EXTERIOR 3R	R	20	1	0.6	1.2			1	20	R	OFFICE C27 C24 6R	14
15	LAUNDRY C39, C40 4R	R	20	1		0.8	1.2		1	20	R	ADMIN C22 OFFICE C23 6R	16
17	BATH C11 M.R.R. C06 W. R.R C05 F	R	20	1			0.8	0.8	1	20	R	CORRIDOR C21 4R	18
19	LOBBY C04 COUNTER 4R	R	20	1	0.8	0.8			1	20	R	LOBBY C04 4R	20
21	CORRIDOR C38, BACK EXTERIOR S	R	20	1		1.0	0.5		1	20	Z	LOBBY GAS FIREPLACE IGNITOR	22
23	STORAGE C33/WATER C34 4R	R	20	1			0.8	1.0	1	20	R	LOUNGE C37 5R	24
25	STORAGE C48 PUMP C47 3R	R	20	1	0.6	1.0			1	20G	R	LOUNGE C37 VENDING MACHINE	26
27	RECEPTION C02 DESK 2R	R	20	1		0.2	1.0		1	20G	R	LOUNGE C37 VENDING MACHINE	28
29	BOTTLE FILLER	Z	20G	1			1.2		2	20	L	SOUTH FRONT LIGHT POLES	30
31	BACK LIGHT POLES	L	20	2	0.7						L		32
33		L				0.7			1	20	L	LOW VOL. ISLAND SIGHT LIGHTING	34
35	NORTH FRONT LIGHT POLES	L	20	2				1.3	1	20	L	STAND ALONE CENTER LIGHTING	36
37		L							1			SPACE	38
39	SPARE		20	1					1			SPACE	40
41	SPARE		20	1					1			SPACE	42
43	SPARE		20	1					1			SPACE	44
45	SPARE		20	1					1			SPACE	46
47	SPARE		20	1					1			SPACE	48
49	SPARE		20	1					1			SPACE	50
51	SPARE		20	1					1			SPACE	52
53	SPARE		20	1					1			SPACE	54
55	SPARE		20	1					1			SPACE	56
57	SPARE		20	1					1			SPACE	58
59	SPARE		20	1					1			SPACE	60
61	SPARE		20	1					1			SPACE	62
63	SPARE		20	1					1			SPACE	64
65	SPARE		20	1					1			SPACE	66
67	ELECTRIC DRYER	Z	30G	2	2.5								68
69		Z				2.5	0.4		1	20	R	LAUNDRY HIGH RECEPTS, 2R	70
71	OUTSIDE AIR DAMPER	Z	20	1			0.2	0.5	1	20G	Z	WASHER	72
73	GAS DRYER	Z	20G	3	0.6	1.0		3	20G	Z	WASHER / EXTRACTOR	74
75		Z				0.6	1.0			Z		76
77		Z					0.6	1.0		Z		78
79	GAS DRYER	Z	20G	3	0.6	1.0		3	20G	Z	ELECTRIC DRYER	80
81		Z				0.6	1.0			Z		82
83		Z					0.6	1.0		Z		84
	TOTAL LOAD:				13.7	15.2	12.9					
	TOTAL AMPS:				38.1	42.3	35.9					

		TCL	TDL
Receptacle	R	19.2	15
Motor	M	0	0
Appliance	A	0	0
Kitchen	K	0	0
HVAC	H	1.2	1.2
Lighting	L	3.5	4.4
Miscellaneous	Z	17.9558	18

TOTAL CONNECTED LOAD:	41.9 KW
TOTAL DEMAND LOAD	38.1 KW
TOTAL CONNECTED AMPS	116 A
TOTAL DEMAND AMPS	106 A

PANELBOARD: E

LOCATION: ELEC C36 — **VOLTAGE:** 208Y/120V-3P-4W WYE
MOUNTING: SURFACE MOUNT — **AIC RATING:**
MAIN DEVICE: 200A — **NOTES:**
BUS AMPS: 225A

	LOAD DESCRIPTION	LOAD TYPE	BKR	P	A KVA	B KVA	C KVA	P	BKR	LOAD TYPE	LOAD DESCRIPTION	
1	CONFERENCE C03 3R	R	20	1	0.6	0.2		1	20	R	LOUNGE C37 TV	2
3	PHYSICAL THERAPY C07 7R	R	20	1		1.4	0.4	1	20	R	LOUNGE C37 COUNTER 2R	4
5	OFFICE C14 C15 6R	R	20	1			1.2	0.4	1	20	R	LOUNGE C37 COUNTER 2R	6
7	OFFICE C14 C15 7R	R	20	1	1.4	1.2			1	20	R	MAINT. C18 5R	8
9	KITCH. C09 REFRIGERATOR	R	20	1		0.8	2.0		1	20	R	SECURE DOORS	10
11	KITCH. C09 COUNTER 2R	R	20	1			0.4	0.0	1	20	H	EF-9 & EF-10	12
13	KITCH. C09 COUNTER 2R	R	20	1	0.4	1.2			1	20	Z	WH-1	14
15	KITCH. C09 MICROWAVE	R	20	1		1.2	1.2		1	20	Z	WH-2	16
17	RECEPTION DESK C02 1R	R	20	1			0.2	1.2	1	20	Z	WH-3	18
19	AUTOMATIC DOOR	R	20	1	0.8	1.0			1	20	Z	PP-1, PP-2	20
21	AUTOMATIC DOOR	R	20	1		0.8	1.9		1	30	Z	AIR COMPRESSOR FOR DRY ATTIC	22
23	ADMIN C22 OFFICE C23 4R	R	20	1			1.0	1.5	1	20	Z	JOCKEY PUMP	24
25	OFFICE C24,27,29 6R	R	20	1	1.2	0.4			1	20	R	COMMUNICATIONS ELEC C36 2R	26
27	OFFICE C26,28,31 6R	R	20	1		1.2	0.4		1	20	R	COMMUNICATIONS ELEC C36 2R	28
29	ACTIVITY C32 REFRIGERATOR	R	20G	1				0.4	1	20	R	ELEC C36 2R	30
31	ACTIVITY C32 COUNTER 3R	R	20	1	0.6	0.4			1	20	R	ELEC C36 2R	32
33	ACTIVITY C32 4R	R	20	1		0.8	1.2		1	20	L	STAND ALONE CENTER LIGHTING	34
35	ACTIVITY C32 4R	R	20	1			0.8		1			SPACE	36
37	LOUNGE C37 REFRIGERATOR	R	20G	1	0.8				2			SPACE	38
39	ACTIVITY C32 MICROWAVE	R	20G	1		1.2			3			SPACE	40
41	SPARE		20	1					4			SPACE	42
43	SPARE		20	1					5			SPACE	44
45	SPARE		20	1					6			SPACE	46
47	SPARE		20	1					7			SPACE	48
49	SPARE		20	1					8			SPACE	50
51	SPARE		20	1					9			SPACE	52
53	SPARE		20	1					10			SPACE	54
55	SPARE		20	1					11			SPACE	56
57	SPARE		20	1					12			SPACE	58
59	SPARE		20	1					13			SPACE	60
61	SPARE		20	1					14			SPACE	62
63	SPARE		20	1					15			SPACE	64
65	SPARE		20	1					16			SPACE	66
67	SPARE		20	1					17			SPACE	68
69	SPARE		20	1					18			SPACE	70
71	SPARE		20	1					19			SPACE	72
73	SPARE		20	1					20			SPACE	74
75	SPARE		20	1					21			SPACE	76
77	SPARE		20	1					22			SPACE	78
79	SPARE		20	1					23			SPACE	80
81	SPARE		20	1					24			SPACE	82
83	SPARE		20	1					25			SPACE	84
	TOTAL LOAD:				10.2	14.5	7.1					
	TOTAL AMPS:				28.3	40.4	19.9					

		TCL	TDL
Receptacle	R	22.6	16
Motor	M	0	0
Appliance	A	0	0
Kitchen	K	0	0
HVAC	H	0.048	0
Lighting	L	1.2	1.5
Miscellaneous	Z	8.02	8

TOTAL CONNECTED LOAD:	31.9 KW
TOTAL DEMAND LOAD	25.9 KW
TOTAL CONNECTED AMPS	89 A
TOTAL DEMAND AMPS	72 A

PANELBOARD: LS

LOCATION: ELEC C36 — **VOLTAGE:** 208Y/120V-3P-4W WYE
MOUNTING: SURFACE MOUNT — **AIC RATING:**
MAIN DEVICE: 100A MLO — **NOTES:** PROVIDE LOCK-ON BREAKER CLIP ON REQUIRED CIRCUITS PER CODE, REFER TO NEC 517.43 FOR PERMITTED LOADS
BUS AMPS: 100A

	LOAD DESCRIPTION	LOAD TYPE	BKR	P	A KVA	B KVA	C KVA	P	BKR	LOAD TYPE	LOAD DESCRIPTION	
1	AUTOMATIC DOOR	Z	20	1	1.0	1.5				Z		2
3	AUTOMATIC DOOR	Z	20	1		1.0	1.5	3	60	Z	LIFE SAFETY NORTH	4
5		Z					1.5	1.5		Z		6
7	LIFE SAFETY SOUTH	Z	60	3	1.5	0.4		1	20	R	COMMUNICATIONS ELEC C36	8
9		Z				1.5		1	20	Z	FIRE ALARM	10
11	LIGHTING CENTRAL - Z1,3,4	L	20	1			1.3	1.0	1	20	Z	DOOR SECURITY	12
13	LIGHTING CENTRAL - Z5,6,7,10,11	L	20	1	1.7	1.0		1	20	Z	NURSE CALL CENTRAL	14
15	SPARE		20	1			0.4	1	20	R	COMMUNICATIONS STORAGE C17	16
17	SPARE		20	1				1	20		SPARE	18
19	SPACE			1				1			SPACE	20
21	SPACE			1				1			SPACE	22
23	SPACE			1				1			SPACE	24
	TOTAL LOAD:				7.0	4.3	5.2					
	TOTAL AMPS:				19.5	12.0	14.5					

		TCL	TDL
Receptacle	R	0.6	0.6
Motor	M	0	0
Appliance	A	0	0
Kitchen	K	0	0
HVAC	H	0	0
Lighting	L	3	3.8
Miscellaneous	Z	12.75	13

TOTAL CONNECTED LOAD:	16.6 KW
TOTAL DEMAND LOAD	17.3 KW
TOTAL CONNECTED AMPS	46 A
TOTAL DEMAND AMPS	48 A

PANELBOARD: LSN

LOCATION: MECH N15 — **VOLTAGE:** 208Y/120V-3P-4W WYE
MOUNTING: SURFACE MOUNT — **AIC RATING:**
MAIN DEVICE: 60A — **NOTES:** PROVIDE LOCK-ON BREAKER CLIP ON REQUIRED CIRCUITS PER CODE, REFER TO NEC 517.43 FOR PERMITTED LOADS
BUS AMPS: 100A

	LOAD DESCRIPTION	LOAD TYPE	BKR	P	A KVA	B KVA	C KVA	P	BKR	LOAD TYPE	LOAD DESCRIPTION	
1	LIGHTING - NORTH WING, Z1,4,5,12	L	20	1	1.3			1			SPACE	2
3	LIGHTING - NORTH WING, Z11	L	20	1		0.6		1			SPACE	4
5	FIRE ALARM	Z	20	1			1.0	1			SPACE	6
7	COMMUNICATION SYSTEMS 4R	Z	20	1	0.8			1			SPACE	8
9	EXTERIOR RECEPT.	Z	20	1		0.2		1			SPACE	10
11	SPARE		20	1				1			SPACE	12
13	SPARE		20	1				1			SPACE	14
15	SPACE							1			SPACE	16
17	SPACE							1			SPACE	18
	TOTAL LOAD:				2.1	0.8	1.0					
	TOTAL AMPS:				5.8	2.2	2.8					

		TCL	TDL
Receptacle	R	0	0
Motor	M	0	0
Appliance	A	0	0
Kitchen	K	0	0
HVAC	H	0	0
Lighting	L	1.9	2.4
Miscellaneous	Z	2	2

TOTAL CONNECTED LOAD:	3.9 KW
TOTAL DEMAND LOAD	4.4 KW
TOTAL CONNECTED AMPS	11 A
TOTAL DEMAND AMPS	12 A

PANELBOARD: LSS

LOCATION: MECH S15 — **VOLTAGE:** 208Y/120V-3P-4W WYE
MOUNTING: SURFACE MOUNT — **AIC RATING:**
MAIN DEVICE: 60A — **NOTES:** PROVIDE LOCK-ON BREAKER CLIP ON REQUIRED CIRCUITS PER CODE, REFER TO NEC 517.43 FOR PERMITTED LOADS
BUS AMPS: 100A

	LOAD DESCRIPTION	LOAD TYPE	BKR	P	A KVA	B KVA	C KVA	P	BKR	LOAD TYPE	LOAD DESCRIPTION	
1	LIGHTING - SOUTH WING, Z1,4,5,12	L	20	1	1.3			1			SPACE	2
3	LIGHTING - SOUTH WING, Z11	L	20	1		0.6		1			SPACE	4
5	FIRE ALARM	Z	20	1			1.0	1			SPACE	6
7	COMMUNICATION SYSTEMS 4R	Z	20	1	0.8			1			SPACE	8
9	EXTERIOR RECEPT.	Z	20	1		0.2		1			SPACE	10
11	SPARE		20	1				1			SPACE	12
13	SPARE		20	1				1			SPACE	14
15	SPACE							1			SPACE	16
17	SPACE							1			SPACE	18
	TOTAL LOAD:				2.1	0.8	1.0					
	TOTAL AMPS:				5.8	2.2	2.8					

		TCL	TDL
Receptacle	R	0	0
Motor	M	0	0
Appliance	A	0	0
Kitchen	K	0	0
HVAC	H	0	0
Lighting	L	1.9	2.4
Miscellaneous	Z	2	2

TOTAL CONNECTED LOAD:	3.9 KW
TOTAL DEMAND LOAD	4.4 KW
TOTAL CONNECTED AMPS	11 A
TOTAL DEMAND AMPS	12 A

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1915 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
ELECTRICAL PANEL SCHEDULES
DAI PROJECT NO. 26032

E7.1

2026-06-24 - 1/8" = 1'-0"

PANELBOARD: RS

LOCATION: MECH S15 — **VOLTAGE:** 208Y/120V-3P-4W WYE
MOUNTING: SURFACE MOUNT — **AIC RATING:**
MAIN DEVICE: 200A MCB — **NOTES:** A - ARC FAULT
BUS AMPS: 225A

	LOAD DESCRIPTION	LOAD TYPE	BKR	P	A KVA	B KVA	C KVA	P	BKR	LOAD TYPE	LOAD DESCRIPTION	
1	PRIVATE ROOM 101 - 7R, 65W LIGHTING	R	20A	1	1.3 1.3			1	20A	R	PRIVATE ROOM 102 - 7R, 65W LIGHTING	2
		L			0.1 0.1					L		
3	PRIVATE ROOM 101 - BATHROOM, 1R, 56W LIGHTING	R	20	1		0.2 0.2		1	20	R	PRIVATE ROOM 102 - BATHROOM, 1R, 56W LIGHTING	4
		L				0.1 0.1				L		
5	PRIVATE ROOM 103 - 7R, 65W LIGHTING	R	20A	1			1.3 1.3	1	20	R	PRIVATE ROOM 104 - 7R, 65W LIGHTING	6
		L					0.1 0.1			L		
7	PRIVATE ROOM 103 - BATHROOM, 1R, 56W LIGHTING	R	20	1	0.2 0.2			1	20A	R	PRIVATE ROOM 104 - BATHROOM, 1R, 56W LIGHTING	8
		L			0.1 0.1					L		
9	PRIVATE ROOM 105 - 7R, 65W LIGHTING	R	20A	1		1.3 1.3		1	20	R	PRIVATE ROOM 106 - 7R, 65W LIGHTING	10
		L				0.1 0.1				L		
11	PRIVATE ROOM 105 - BATHROOM, 1R, 56W LIGHTING	R	20	1			0.2 0.2	1	20A	R	PRIVATE ROOM 106 - BATHROOM, 1R, 56W LIGHTING	12
		L					0.1 0.1			L		
13	SEMI-PRIVATE ROOM 107 - 9R, 86W LIGHTING	R	20A	1	1.6 1.6			1	20	R	SEMI-PRIVATE ROOM 108 - 9R, 86W LIGHTING	14
		L			0.1 0.1					L		
15	SEMI-PRIVATE ROOM 107 - BATHROOM, 1R,	R	20	1		0.2 0.2		1	20A	R	SEMI-PRIVATE ROOM 108 - BATHROOM, 1R, 54W LIGHTING	16
		L				0.1 0.1				L		
17	SEMI-PRIVATE ROOM 109 - 9R, 86W LIGHTING	R	20A	1			1.6 1.6	1	20	R	SEMI-PRIVATE ROOM 110 - 9R, 86W LIGHTING	18
		L					0.1 0.1			L		
19	SEMI-PRIVATE ROOM 109 - BATHROOM, 1R, 56W LIGHTING	R	20	1	0.2 0.2			1	20A	R	SEMI-PRIVATE ROOM 110 - BATHROOM, 1R, 56W LIGHTING	20
		L			0.1 0.1					L		
21	PRIVATE ROOM 111 - 7R, 65W LIGHTING	R	20A	1		1.3 1.3		1	20	R	PRIVATE ROOM 112 - 7R, 65W LIGHTING	22
		L				0.1 0.1				L		
23	PRIVATE ROOM 111 - BATHROOM, 1R, 56W LIGHTING	R	20	1			0.2 0.2	1	20A	R	PRIVATE ROOM 112 - BATHROOM, 1R, 56W LIGHTING	24
		L					0.1 0.1			L		
25	PRIVATE ROOM 113 - 7R, 65W LIGHTING	R	20A	1	1.3 1.3			1	20	R	PRIVATE ROOM 114 - 7R, 65W LIGHTING	26
		L			0.1 0.1					L		
27	PRIVATE ROOM 113 - BATHROOM, 1R, 56W LIGHTING	R	20	1		0.2 0.2		1	20	R	PRIVATE ROOM 114 - BATHROOM, 1R, 56W LIGHTING	28
		L				0.1 0.1				L		
29	PRIVATE ROOM 115 - 7R, 65W LIGHTING	R	20A	1			1.3 1.3	1	20A	R	PRIVATE ROOM 116 - 7R, 65W LIGHTING	30
		L					0.1 0.1			L		
31	PRIVATE ROOM 115 - BATHROOM, 1R, 56W LIGHTING	R	20	1	0.2 0.2			1	20	R	PRIVATE ROOM 116 - BATHROOM, 1R, 56W LIGHTING	32
		L			0.1 0.1					L		
33	PRIVATE ROOM 117 - 7R, 65W LIGHTING	R	20A	1		1.3 1.3		1	20A	R	PRIVATE ROOM 118 - 7R, 65W LIGHTING	34
		L				0.1 0.1				L		
35	PRIVATE ROOM 117 - BATHROOM, 1R, 56W LIGHTING	R	20	1			0.2 0.2	1	20	R	PRIVATE ROOM 118 - BATHROOM, 1R, 56W LIGHTING	36
		L					0.1 0.1			L		
37	PRIVATE ROOM 119 - 7R, 65W LIGHTING	R	20A	1	1.3 1.3			1	20A	R	PRIVATE ROOM 120 - 7R, 65W LIGHTING	38
		L			0.1 0.1					L		
39	PRIVATE ROOM 119 - BATHROOM, 1R, 56W LIGHTING	R	20	1		0.2 0.2		1	20	R	PRIVATE ROOM 120 - BATHROOM, 1R, 56W LIGHTING	40
		L				0.1 0.1				L		
41	PRIVATE ROOM 121 - 7R, 65W LIGHTING	R	20A	1			1.3 1.3	1	20A	R	PRIVATE ROOM 122 - 7R, 65W LIGHTING	42
		L					0.1 0.1			L		
43	PRIVATE ROOM 121 - BATHROOM, 1R, 56W LIGHTING	R	20	1	0.2 0.2			1	20	R	PRIVATE ROOM 122 - BATHROOM, 1R, 56W LIGHTING	44
		L			0.1 0.1					L		
45	PRIVATE ROOM 123 - 7R, 65W LIGHTING	R	20A	1		1.3 1.3		1	20A	R	PRIVATE ROOM 124 - 7R, 65W LIGHTING	46
		L				0.1 0.1				L		
47	PRIVATE ROOM 123 - BATHROOM, 1R, 56W LIGHTING	R	20	1			0.2 0.2	1	20	R	PRIVATE ROOM 124 - BATHROOM, 1R, 56W LIGHTING	48
		L					0.1 0.1			L		
49	PRIVATE ROOM 125 - 7R, 65W LIGHTING	R	20A	1	1.3 1.3			1	20A	R	PRIVATE ROOM 126 - 7R, 65W LIGHTING	50
		L			0.1 0.1					L		
51	PRIVATE ROOM 125 - BATHROOM, 1R, 56W LIGHTING	R	20	1		0.2 0.2		1	20	R	PRIVATE ROOM 126 - BATHROOM, 1R, 56W LIGHTING	52
		L				0.1 0.1				L		
53	PRIVATE ROOM 127 - 7R, 65W LIGHTING	R	20A	1			1.3 1.3	1	20A	R	PRIVATE ROOM 128 - 7R, 65W LIGHTING	54
		L					0.1 0.1			L		
55	PRIVATE ROOM 127 - BATHROOM, 1R, 56W LIGHTING	R	20	1	0.2 0.2			1	20	R	PRIVATE ROOM 128 - BATHROOM, 1R, 56W LIGHTING	56
		L			0.1 0.1					L		
57	PRIVATE ROOM 129 - 7R, 65W LIGHTING	R	20A	1		1.3 1.3		1	20A	R	PRIVATE ROOM 130 - 7R, 65W LIGHTING	58
		L				0.1 0.1				L		
59	PRIVATE ROOM 129 - BATHROOM, 1R, 56W LIGHTING	R	20	1			0.2 0.2	1	20	R	PRIVATE ROOM 130 - BATHROOM, 1R, 56W LIGHTING	60
		L					0.1 0.1			L		
61	SEMI-PRIVATE ROOM 131 - 7R, 65W LIGHTING	R	20A	1	1.6 1.6			1	20A	R	SEMI-PRIVATE ROOM 132 - 7R, 65W LIGHTING	62
		L			0.1 0.1					L		
63	SEMI-PRIVATE ROOM 131 - BATHROOM, 1R, 56W LIGHTING	R	20	1		0.2 0.2		1	20	R	SEMI-PRIVATE ROOM 132 - BATHROOM, 1R, 56W LIGHTING	64
		L				0.1 0.1				L		
65	PRIVATE ROOM 133 - 7R, 65W LIGHTING	R	20A	1			1.3 1.3	1	20A	R	PRIVATE ROOM 134 - 7R, 65W LIGHTING	66
		L					0.1 0.1			L		
67	PRIVATE ROOM 133 - BATHROOM, 1R, 56W LIGHTING	R	20	1	0.2 0.2			1	20	R	PRIVATE ROOM 134 - BATHROOM, 1R, 56W LIGHTING	68
		L			0.1 0.1					L		
69	SEMI-PRIVATE ROOM 135 - 9R, 86W LIGHTING	R	20A	1		1.6 1.6		1	20A	R	SEMI-PRIVATE ROOM 136 - 9R, 86W LIGHTING	70
		L				0.1 0.1				L		
71	SEMI-PRIVATE ROOM 135 - BATHROOM, 1R, 56W LIGHTING	R	20	1			0.2 0.2	1	20	R	SEMI-PRIVATE ROOM 136 - BATHROOM, 1R, 56W LIGHTING	72
		L					0.1 0.1			L		
73	SEMI-PRIVATE ROOM 137 - 9R, 86W LIGHTING	R	20A	1	1.6 1.6			1	20A	R	SEMI-PRIVATE ROOM 138 - 9R, 86W LIGHTING	74
		L			0.1 0.1					L		
75	SEMI-PRIVATE ROOM 137 - BATHROOM, 1R, 56W LIGHTING	R	20	1		0.2 0.2		1	20	R	SEMI-PRIVATE ROOM 138 - BATHROOM, 1R, 56W LIGHTING	76
		L				0.1 0.1				L		
77	PRIVATE ROOM 139 - 7R, 65W LIGHTING	R	20A	1			1.3 1.3	1	20A	R	PRIVATE ROOM 140 - 7R, 65W LIGHTING	78
		L					0.1 0.1			L		
79	PRIVATE ROOM 139 - BATHROOM, 1R, 56W LIGHTING	R	20	1	0.2 0.2			1	20	R	PRIVATE ROOM 140 - BATHROOM, 1R, 56W LIGHTING	80
		L			0.1 0.1					L		
81	SPARE	—	20	1				1		—	SPACE	82
83	SPARE	—	20A	1				1		—	SPACE	84
85	SPARE	—	20	1				1		—	SPACE	86
87	SPARE	—	20A	1				1		—	SPACE	88
89	SPARE	—	20	1				1		—	SPACE	90
91	SPARE	—	20A	1				1		—	SPACE	92
93	SPARE	—	20	1				1		—	SPACE	94
95	SPARE	—	20A	1				1		—	SPACE	96
97	SPARE	—	20	1				1		—	SPACE	98
99	SPARE	—	20A	1				1		—	SPACE	100
101	SPARE	—	20	1				1		—	SPACE	102
103	SPARE	—	20A	1				1		—	SPACE	104
105	SPARE	—	20	1				1		—	SPACE	106
107	SPARE	—	20A	1				1		—	SPACE	108
109	SPARE	—	20	1				1		—	SPACE	110
111	SPARE	—	20A	1				1		—	SPACE	112
113	SPARE	—	20	1				1		—	SPACE	114
115	SPARE	—	20A	1				1		—	SPACE	116
117	SPARE	—	20	1				1		—	SPACE	118
119	SPARE	—	20A	1				1		—	SPACE	120
					TOTAL LOAD:	24.1	20.0	22.1				
					TOTAL AMPS:	67.0	55.5	61.5				

		TCL	TDL
Receptacle	R	61.2	36
Motor	M	0.0	0.0
Appliance	A	0.0	0
Kitchen	K	0.0	0
HVAC	H	0.0	0
Lighting	L	5.0	6.3
Miscellaneous	Z	0.0	0

TOTAL CONNECTED LOAD:	66.2 KW
TOTAL DEMAND LOAD	41.9 KW
TOTAL CONNECTED AMPS	184 A
TOTAL DEMAND AMPS	116 A

PANELBOARD: RN

LOCATION: MECH N15 — **VOLTAGE:** 208Y/120V-3P-4W WYE
MOUNTING: SURFACE MOUNT — **AIC RATING:**
MAIN DEVICE: 200A MCB — **NOTES:** A - ARC FAULT
BUS AMPS: 225A

	LOAD DESCRIPTION	LOAD TYPE	BKR	P	A KVA	B KVA	C KVA	P	BKR	LOAD TYPE	LOAD DESCRIPTION	
1	PRIVATE ROOM 201 - 7R, 65W LIGHTING	R	20A	1	1.3 1.3			1	20A	R	PRIVATE ROOM 202 - 7R, 65W LIGHTING	2
		L			0.1 0.1					L		
3	PRIVATE ROOM 201 - BATHROOM, 1R, 56W LIGHTING	R	20	1		0.2 0.2		1	20	R	PRIVATE ROOM 202 - BATHROOM, 1R, 56W LIGHTING	4
		L				0.1 0.1				L		
5	PRIVATE ROOM 203 - 7R, 65W LIGHTING	R	20A	1			1.3 1.3	1	20	R	PRIVATE ROOM 204 - 7R, 65W LIGHTING	6
		L					0.1 0.1			L		
7	PRIVATE ROOM 203 - BATHROOM, 1R, 56W LIGHTING	R	20	1	0.2 0.2			1	20A	R	PRIVATE ROOM 204 - BATHROOM, 1R, 56W LIGHTING	8
		L			0.1 0.1					L		
9	PRIVATE ROOM 205 - 7R, 65W LIGHTING	R	20A	1		1.3 1.3		1	20	R	PRIVATE ROOM 206 - 7R, 65W LIGHTING	10
		L				0.1 0.1				L		
11	PRIVATE ROOM 205 - BATHROOM, 1R, 56W LIGHTING	R	20	1			0.2 0.2	1	20A	R	PRIVATE ROOM 206 - BATHROOM, 1R, 56W LIGHTING	12
		L					0.1 0.1			L		
13	SEMI-PRIVATE ROOM 207 - 9R, 86W LIGHTING	R	20A	1	1.6 1.6			1	20	R	SEMI-PRIVATE ROOM 208 - 9R, 86W LIGHTING	14
		L			0.1 0.1					L		
15	SEMI-PRIVATE ROOM 207 - BATHROOM, 1R,	R	20	1		0.2 0.2		1	20A	R	SEMI-PRIVATE ROOM 208 - BATHROOM, 1R, 54W LIGHTING	16
		L				0.1 0.1				L		
17	SEMI-PRIVATE ROOM 209 - 9R, 86W LIGHTING	R	20A	1			1.6 1.6	1	20	R	SEMI-PRIVATE ROOM 210 - 9R, 86W LIGHTING	18
		L					0.1 0.1			L		
19	SEMI-PRIVATE ROOM 209 - BATHROOM, 1R, 56W LIGHTING	R	20	1	0.2 0.2			1	20A	R	SEMI-PRIVATE ROOM 210 - BATHROOM, 1R, 56W LIGHTING	20
		L			0.1 0.1					L		
21	PRIVATE ROOM 211 - 7R, 65W LIGHTING	R	20A	1		1.3 1.3		1	20	R	PRIVATE ROOM 212 - 7R, 65W LIGHTING	22
		L				0.1 0.1				L		
23	PRIVATE ROOM 211 - BATHROOM, 1R, 56W LIGHTING	R	20	1			0.2 0.2	1	20A	R	PRIVATE ROOM 212 - BATHROOM, 1R, 56W LIGHTING	24
		L					0.1 0.1			L		
25	PRIVATE ROOM 213 - 7R, 65W LIGHTING	R	20A	1	1.3 1.3			1	20	R	PRIVATE ROOM 214 - 7R, 65W LIGHTING	26
		L			0.1 0.1					L		
27	PRIVATE ROOM 213 - BATHROOM, 1R, 56W LIGHTING	R	20	1		0.2 0.2		1	20	R	PRIVATE ROOM 214 - BATHROOM, 1R, 56W LIGHTING	28
		L				0.1 0.1				L		
29	PRIVATE ROOM 215 - 7R, 65W LIGHTING	R	20A	1			1.3 1.3	1	20A	R	PRIVATE ROOM 216 - 7R, 65W LIGHTING	30
		L					0.1 0.1			L		
31	PRIVATE ROOM 215 - BATHROOM, 1R, 56W LIGHTING	R	20	1	0.2 0.2			1	20	R	PRIVATE ROOM 216 - BATHROOM, 1R, 56W LIGHTING	32
		L			0.1 0.1					L		
33	PRIVATE ROOM 217 - 7R, 65W LIGHTING	R	20A	1		1.3 1.3		1	20A	R	PRIVATE ROOM 218 - 7R, 65W LIGHTING	34
		L				0.1 0.1				L		
35	PRIVATE ROOM 217 - BATHROOM, 1R, 56W LIGHTING	R	20	1			0.2 0.2	1	20	R	PRIVATE ROOM 218 - BATHROOM, 1R, 56W LIGHTING	36
		L					0.1 0.1			L		
37	PRIVATE ROOM 219 - 7R, 65W LIGHTING	R	20A	1	1.3 1.3			1	20A	R	PRIVATE ROOM 220 - 7R, 65W LIGHTING	38
		L			0.1 0.1					L		
39	PRIVATE ROOM 219 - BATHROOM, 1R, 56W LIGHTING	R	20	1		0.2 0.2		1	20	R	PRIVATE ROOM 220 - BATHROOM, 1R, 56W LIGHTING	40
		L				0.1 0.1				L		
41	PRIVATE ROOM 221 - 7R, 65W LIGHTING	R	20A	1			1.3 1.3	1	20A	R	PRIVATE ROOM 222 - 7R, 65W LIGHTING	42
		L					0.1 0.1			L		
43	PRIVATE ROOM 221 - BATHROOM, 1R, 56W LIGHTING	R	20	1	0.2 0.2			1	20	R	PRIVATE ROOM 222 - BATHROOM, 1R, 56W LIGHTING	44
		L			0.1 0.1					L		
45	PRIVATE ROOM 223 - 7R, 65W LIGHTING	R	20A	1		1.3 1.3		1	20A	R	PRIVATE ROOM 224 - 7R, 65W LIGHTING	46
		L				0.1 0.1				L		
47	PRIVATE ROOM 223 - BATHROOM, 1R, 56W LIGHTING	R	20	1			0.2 0.2	1	20	R	PRIVATE ROOM 224 - BATHROOM, 1R, 56W LIGHTING	48
		L					0.1 0.1			L		
49	PRIVATE ROOM 225 - 7R, 65W LIGHTING	R	20A	1	1.3 1.3			1	20A	R	PRIVATE ROOM 226 - 7R, 65W LIGHTING	50
		L			0.1 0.1					L		
51	PRIVATE ROOM 225 - BATHROOM, 1R, 56W LIGHTING	R	20	1		0.2 0.2		1	20	R	PRIVATE ROOM 226 - BATHROOM, 1R, 56W LIGHTING	52
		L				0.1 0.1				L		
53	PRIVATE ROOM 227 - 7R, 65W LIGHTING	R	20A	1			1.3 1.3	1	20A	R	PRIVATE ROOM 228 - 7R, 65W LIGHTING	54
		L					0.1 0.1			L		
55	PRIVATE ROOM 227 - BATHROOM, 1R, 56W LIGHTING	R	20	1	0.2 0.2			1	20	R	PRIVATE ROOM 228 - BATHROOM, 1R, 56W LIGHTING	56
		L			0.1 0.1					L		
57	PRIVATE ROOM 229 - 7R, 65W LIGHTING	R	20A	1		1.3 1.3		1	20A	R	PRIVATE ROOM 230 - 7R, 65W LIGHTING	58
		L				0.1 0.1				L		
59	PRIVATE ROOM 229 - BATHROOM, 1R, 56W LIGHTING	R	20	1			0.2 0.2	1	20	R	PRIVATE ROOM 230 - BATHROOM, 1R, 56W LIGHTING	60
		L					0.1 0.1			L		
61	SEMI-PRIVATE ROOM 231 - 9R, 86W LIGHTING	R	20A	1	1.6 1.6			1	20A	R	SEMI-PRIVATE ROOM 232 - 9R, 86W LIGHTING	62
		L			0.1 0.1					L		
63	PRIVATE ROOM 231 - BATHROOM, 1R, 56W LIGHTING	R	20	1		0.2 0.2		1	20	R	PRIVATE ROOM 232 - BATHROOM, 1R, 56W LIGHTING	64
		L				0.1 0.1				L		
65	PRIVATE ROOM 233 - 7R, 65W LIGHTING	R	20A	1			1.3 1.3	1	20A	R	PRIVATE ROOM 234 - 7R, 65W LIGHTING	66
		L					0.1 0.1			L		
67	PRIVATE ROOM 233 - BATHROOM, 1R, 56W LIGHTING	R	20	1	0.2 0.2			1	20	R	PRIVATE ROOM 234 - BATHROOM, 1R, 56W LIGHTING	68
		L			0.1 0.1					L		
69	SEMI-PRIVATE ROOM 235 - 9R, 86W LIGHTING	R	20A	1		1.6 1.6		1	20A	R	SEMI-PRIVATE ROOM 236 - 9R, 86W LIGHTING	70
		L				0.1 0.1				L		
71	SEMI-PRIVATE ROOM 235 - BATHROOM, 1R, 56W LIGHTING	R	20	1			0.2 0.2	1	20	R	SEMI-PRIVATE ROOM 236 - BATHROOM, 1R, 56W LIGHTING	72
		L					0.1 0.1			L		
73	SEMI-PRIVATE ROOM 237 - 9R, 86W LIGHTING	R	20A	1	1.6 1.6			1	20A	R	SEMI-PRIVATE ROOM 238 - 9R, 86W LIGHTING	74
		L			0.1 0.1					L		
75	SEMI-PRIVATE ROOM 237 - BATHROOM, 1R, 56W LIGHTING	R	20	1		0.2 0.2		1	20	R	SEMI-PRIVATE ROOM 238 - BATHROOM, 1R, 56W LIGHTING	76
		L				0.1 0.1				L		
77	PRIVATE ROOM 239 - 7R, 65W LIGHTING	R	20A	1			1.3 1.3	1	20A	R	PRIVATE ROOM 240 - 7R, 65W LIGHTING	78
		L					0.1 0.1			L		
79	PRIVATE ROOM 239 - BATHROOM, 1R, 56W LIGHTING	R	20	1	0.2 0.2			1	20	R	PRIVATE ROOM 240 - BATHROOM, 1R, 56W LIGHTING	80
		L			0.1 0.1					L		
81	SPARE	—	20	1				1		—	SPACE	82
83	SPARE	—	20A	1				1		—	SPACE	84
85	SPARE	—	20	1				1		—	SPACE	86
87	SPARE	—	20A	1				1		—	SPACE	88
89	SPARE	—	20	1				1		—	SPACE	90
91	SPARE	—	20A	1				1		—	SPACE	92
93	SPARE	—	20	1				1		—	SPACE	94
95	SPARE	—	20A	1				1		—	SPACE	96
97	SPARE	—	20	1				1		—	SPACE	98
99	SPARE	—	20A	1				1		—	SPACE	100
101	SPARE	—	20	1				1		—	SPACE	102
103	SPARE	—	20A	1				1		—	SPACE	104
105	SPARE	—	20	1				1		—	SPACE	106
107	SPARE	—	20A	1				1		—	SPACE	108
109	SPARE	—	20	1				1		—	SPACE	110
111	SPARE	—	20A	1				1		—	SPACE	112
113	SPARE	—	20	1				1		—	SPACE	114
115	SPARE	—	20A	1				1		—	SPACE	116
117	SPARE	—	20	1				1		—	SPACE	118
119	SPARE	—	20A	1				1		—	SPACE	120
					TOTAL LOAD:	24.1	20.0	22.1				
					TOTAL AMPS:	67.0	55.5	61.5				

		TCL	TDL
Receptacle	R	61.2	36
Motor	M	0.0	0.0
Appliance	A	0.0	0
Kitchen	K	0.0	0
HVAC	H	0.0	0
Lighting	L	5.0	6.3
Miscellaneous	Z	0.0	0

TOTAL CONNECTED LOAD:	66.2 KW
TOTAL DEMAND LOAD	41.9 KW
TOTAL CONNECTED AMPS	184 A
TOTAL DEMAND AMPS	116 A

PANELBOARD: HS

LOCATION: MECH S15 — **VOLTAGE:** 208Y/120V-3P-4W WYE
MOUNTING: SURFACE MOUNT — **AIC RATING:**
MAIN DEVICE: 400A MCB — **NOTES:**
BUS AMPS: 400A

	LOAD DESCRIPTION	LOAD TYPE	BKR	P	A KVA	B KVA	C KVA	P	BKR	LOAD TYPE	LOAD DESCRIPTION	
1	PRIVATE ROOM 101 PTAC A	H	15	2	1.6 1.6			2	15	H	PRIVATE ROOM 102 PTAC A	2
3		H				1.6 1.6				H		4
5	PRIVATE ROOM 103 PTAC A	H	15	2			1.6 1.6	2	15	H	PRIVATE ROOM 104 PTAC A	6
7		H			1.6 1.6					H		8
9	PRIVATE ROOM 105 PTAC A	H	15	2		1.6 1.6		2	15	H	PRIVATE ROOM 106 PTAC A	10
11		H					1.6 1.6			H		12
13	SEMI-PRIVATE ROOM 107 PTAC B	H	20	2	2.1 2.1			2	20	H	SEMI-PRIVATE ROOM 108 PTAC B	14
15		H				2.1 2.1				H		16
17	SEMI-PRIVATE ROOM 109 PTAC B	H	20	2			2.1 2.1	2	20	H	SEMI-PRIVATE ROOM 110 PTAC B	18
19		H			2.1 2.1					H		20
21	PRIVATE ROOM 111 PTAC A	H	15	2		1.6 1.6		2	15	H	PRIVATE ROOM 112 PTAC A	22
23		H					1.6 1.6			H		24
25	PRIVATE ROOM 113 PTAC A	H	15	2	1.6 1.6			2	15	H	PRIVATE ROOM 114 PTAC A	26
27		H				1.6 1.6				H		28
29	PRIVATE ROOM 115 PTAC A	H	15	2			1.6 1.6	2	15	H	PRIVATE ROOM 116 PTAC A	30
31		H			1.6 1.6					H		32
33	PRIVATE ROOM 117 PTAC A	H	15	2		1.6 1.6		2	15	H	PRIVATE ROOM 118 PTAC A	34
35		H					1.6 1.6			H		36
37	PRIVATE ROOM 119 PTAC A	H	15	2	1.6 1.6			2	15	H	PRIVATE ROOM 120 PTAC A	38
39		H				1.6 1.6				H		40
41	PRIVATE ROOM 121 PTAC A	H	15	2			1.6 1.6	2	15	H	PRIVATE ROOM 122 PTAC A	42
43		H			1.6 1.6					H		44
45	PRIVATE ROOM 123 PTAC A	H	15	2		1.6 1.6		2	15	H	PRIVATE ROOM 124 PTAC A	46
47		H					1.6 1.6			H		48
49	PRIVATE ROOM 125 PTAC A	H	15	2	1.6 1.6			2	15	H	PRIVATE ROOM 126 PTAC A	50
51		H				1.6 1.6				H		52
53	PRIVATE ROOM 127 PTAC A	H	15	2			1.6 1.6	2	15	H	PRIVATE ROOM 128 PTAC A	54
55		H			1.6 1.6					H		56
57	PRIVATE ROOM 129 PTAC A	H	15	2		1.6 1.6		2	15	H	PRIVATE ROOM 130 PTAC A	58
59		H					1.6 1.6			H		60
61	SEMI-PRIVATE ROOM 131 PTAC B	H	20	2	2.1 2.1			2	20	H	SEMI-PRIVATE ROOM 132 PTAC B	62
63		H				2.1 2.1				H		64
65	PRIVATE ROOM 133 PTAC A	H	15	2			1.6 1.6	2	15	H	PRIVATE ROOM 134 PTAC A	66
67		H			1.6 1.6					H		68
69	SEMI-PRIVATE ROOM 135 PTAC B	H	20	2		2.1 2.1		2	20	H	SEMI-PRIVATE ROOM 136 PTAC B	70
71		H					2.1 2.1			H		72
73	SEMI-PRIVATE ROOM 137 PTAC B	H	20	2	2.1 2.1			2	20	H	SEMI-PRIVATE ROOM 138 PTAC B	74
75		H				2.1 2.1				H		76
77	PRIVATE ROOM 139 PTAC A	H	15	2			1.6 1.6	2	15	H	PRIVATE ROOM 140 PTAC A	78
79		H			1.6 1.6					H		80
81	EH-1	H	20	2		1.6 1.6		2	20	H	EH-2	82

PANELBOARD: N

LOCATION: MECH N15 **VOLTAGE:** 208Y/120V-3P-4W WYE
MOUNTING: SURFACE MOUNT **AIC RATING:**
MAIN DEVICE: 100A MCB **NOTES:**
BUS AMPS: 100A

	LOAD DESCRIPTION	LOAD TYPE	BKR	P	A KVA	B KVA	C KVA	P	BKR	LOAD TYPE	LOAD DESCRIPTION	
1	LIGHTING, Z2,3,6, STANDALONE	L	20	1	1.0 1.0			1	20	R	CORRIDOR 01 5R	2
3	LIGHTING, Z8,9,10,13	L	20	1		1.1 1.0		1	20	R	LOUNGE 02 5R	4
5	SPA 3R	R	20	1			0.6 1.0	1	20	R	LOUNGE 04 5R	6
7	STORAGE/SUPPLY/SOILED 4R	R	20	1	0.8 0.8			1	20	R	LOUNGE TV 4R	8
9	WORK AREA N18 6R	R	20	1		1.2 0.8		1	20	R	CORRIDOR N03 3R, EXTERIOR 1R	10
11	OFFICE/CHARTS N16/17 4R	R	20	1			0.8 0.8	1	20	R	CORRIDOR N12 3R, EXTERIOR 1R	12
13	RESTROOM N19 1R	R	20	1	0.2 1.4			1	20	R	DINING 7R	14
15	OUTDOOR 4R	R	20	1		0.8		1	20		SPARE	16
17	RP-1, RP-1	H	15	2			0.8	1	20		SPARE	18
19		H			0.8			1	20		SPARE	20
21	SPARE		20	1				1	20		SPARE	22
23	SPARE		20	1				1	20		SPARE	24
25	SPARE		20	1				1	20		SPARE	26
27	SPARE		20	1				1	20		SPARE	28
29	SPACE			1				1			SPACE	30
31	SPACE			1				1			SPACE	32
33	SPACE			1				1			SPACE	34
35	SPACE			1				1			SPACE	36
37	SPACE			1				1			SPACE	38
39	SPACE			1				1			SPACE	40
41	SPACE			1				1			SPACE	42
			TOTAL LOAD:		6.0	4.9	4.0					
			TOTAL AMPS		16.8	13.6	11.2					

		TCL	TDL
Receptacle	R	11.2	11
Motor	M	0	0
Appliance	A	0	0
Kitchen	K	0	0
HVAC	H	1.664	1.7
Lighting	L	2.1	2.6
Miscellaneous	Z	0	0

TOTAL CONNECTED LOAD:	15.0 KW
TOTAL DEMAND LOAD	14.9 KW
TOTAL CONNECTED AMPS	42 A
TOTAL DEMAND AMPS	41 A

PANELBOARD: S

LOCATION: MECH S15 **VOLTAGE:** 208Y/120V-3P-4W WYE
MOUNTING: SURFACE MOUNT **AIC RATING:**
MAIN DEVICE: 100A MCB **NOTES:**
BUS AMPS: 100A

	LOAD DESCRIPTION	LOAD TYPE	BKR	P	A KVA	B KVA	C KVA	P	BKR	LOAD TYPE	LOAD DESCRIPTION	
1	LIGHTING, Z2,3,6, STANDALONE	L	20	1	1.0 1.0			1	20	R	CORRIDOR 01 5R	2
3	LIGHTING, Z8,9,10,13	L	20	1		1.1 1.0		1	20	R	LOUNGE 02 5R	4
5	SPA 3R	R	20	1			0.6 1.0	1	20	R	LOUNGE 04 5R	6
7	STORAGE/SUPPLY/SOILED 4R	R	20	1	0.8 0.8			1	20	R	LOUNGE TV 4R	8
9	WORK AREA S18 6R	R	20	1		1.2 0.8		1	20	R	CORRIDOR S04 3R, EXTERIOR 1R	10
11	OFFICE/CHARTS S16/17 4R	R	20	1			0.8 0.8	1	20	R	CORRIDOR S12 3R, EXTERIOR 1R	12
13	RESTROOM S19 1R	R	20	1	0.2 1.4			1	20	R	DINING 7R	14
15	OUTDOOR 4R	R	20	1		0.8		1	20		SPARE	16
17	RP-1, RP-1	H	15	2			0.8	1	20		SPARE	18
19		H			0.8			1	20		SPARE	20
21	SPARE		20	1				1	20		SPARE	22
23	SPARE		20	1				1	20		SPARE	24
25	SPARE		20	1				1	20		SPARE	26
27	SPARE		20	1				1	20		SPARE	28
29	SPACE			1				1			SPACE	30
31	SPACE			1				1			SPACE	32
33	SPACE			1				1			SPACE	34
35	SPACE			1				1			SPACE	36
37	SPACE			1				1			SPACE	38
39	SPACE			1				1			SPACE	40
41	SPACE			1				1			SPACE	42
			TOTAL LOAD:		6.0	4.9	4.0					
			TOTAL AMPS		16.8	13.6	11.2					

		TCL	TDL
Receptacle	R	11.2	11
Motor	M	0	0
Appliance	A	0	0
Kitchen	K	0	0
HVAC	H	1.664	1.7
Lighting	L	2.1	2.6
Miscellaneous	Z	0	0

TOTAL CONNECTED LOAD:	15.0 KW
TOTAL DEMAND LOAD	14.9 KW
TOTAL CONNECTED AMPS	42 A
TOTAL DEMAND AMPS	41 A

PANELBOARD: ES

LOCATION: MECH S15 **VOLTAGE:** 208Y/120V-3P-4W WYE
MOUNTING: SURFACE MOUNT **AIC RATING:**
MAIN DEVICE: 400A MCB **NOTES:** A - ARC FAULT
BUS AMPS: 400A

	LOAD DESCRIPTION	LOAD TYPE	BKR	P	A KVA	B KVA	C KVA	P	BKR	LOAD TYPE	LOAD DESCRIPTION	
1	PRIVATE ROOM 101 - 2R, 51W LIGHTING	R	20	1	0.4 0.4			1	20	R	PRIVATE ROOM 102 - 2R, 51W LIGHTING	2
		L			0.1 0.1					L		
3	PRIVATE ROOM 103 - 2R, 51W LIGHTING	R	20	1		0.4 0.4		1	20	R	PRIVATE ROOM 104 - 2R, 51W LIGHTING	4
		L				0.1 0.1				L		
5	PRIVATE ROOM 105 - 2R, 51W LIGHTING	R	20	1			0.4 0.4	1	20	R	PRIVATE ROOM 106 - 2R, 51W LIGHTING	6
		L					0.1 0.1			L		
7	SEMI-PRIVATE ROOM 107 - 4R, 102W LIGHTING	R	20	1	0.7 0.7			1	20	R	SEMI-PRIVATE ROOM 108 - 2R, 102W LIGHTING	8
		L			0.1 0.1					L		
9	SEMI-PRIVATE ROOM 109 - 4R, 102W LIGHTING	R	20	1		0.7 0.7		1	20	R	SEMI-PRIVATE ROOM 110 - 4R, 102W LIGHTING	10
		L				0.1 0.1				L		
11	PRIVATE ROOM 111 - 2R, 51W LIGHTING	R	20	1			0.4 0.4	1	20	R	PRIVATE ROOM 112 - 2R, 51W LIGHTING	12
		L					0.1 0.1			L		
13	PRIVATE ROOM 113 - 2R, 51W LIGHTING	R	20	1	0.4 0.4			1	20	R	PRIVATE ROOM 114 - 2R, 51W LIGHTING	14
		L			0.1 0.1					L		
15	PRIVATE ROOM 115 - 2R, 51W LIGHTING	R	20	1		0.4 0.4		1	20	R	PRIVATE ROOM 116 - 2R, 51W LIGHTING	16
		L				0.1 0.1				L		
17	PRIVATE ROOM 117 - 2R, 51W LIGHTING	R	20	1			0.4 0.4	1	20	R	PRIVATE ROOM 118 - 2R, 51W LIGHTING	18
		L					0.1 0.1			L		
19	PRIVATE ROOM 119 - 2R, 51W LIGHTING	R	20	1	0.4 0.4			1	20	R	PRIVATE ROOM 120 - 2R, 51W LIGHTING	20
		L			0.1 0.1					L		
21	PRIVATE ROOM 121 - 2R, 51W LIGHTING	R	20	1		0.4 0.4		1	20	R	PRIVATE ROOM 122 - 2R, 51W LIGHTING	22
		L				0.1 0.1				L		
23	PRIVATE ROOM 123 - 2R, 51W LIGHTING	R	20	1			0.4 0.4	1	20	R	PRIVATE ROOM 124 - 2R, 51W LIGHTING	24
		L					0.1 0.1			L		
25	PRIVATE ROOM 125 - 2R, 51W LIGHTING	R	20	1	0.4 0.4			1	20	R	PRIVATE ROOM 126 - 2R, 51W LIGHTING	26
		L			0.1 0.1					L		
27	PRIVATE ROOM 127 - 2R, 51W LIGHTING	R	20	1		0.4 0.4		1	20	R	PRIVATE ROOM 128 - 2R, 51W LIGHTING	28
		L				0.1 0.1				L		
29	PRIVATE ROOM 129 - 2R, 51W LIGHTING	R	20	1			0.4 0.4	1	20	R	PRIVATE ROOM 130 - 2R, 51W LIGHTING	30
		L					0.1 0.1			L		
31	SEMI-PRIVATE ROOM 131 - 2R, 102W LIGHTING	R	20	1	0.7 0.7			1	20	R	SEMI-PRIVATE ROOM 132 - 4R, 102W LIGHTING	32
		L			0.1 0.1					L		
33	PRIVATE ROOM 133 - 2R, 51W LIGHTING	R	20	1		0.4 0.4		1	20	R	PRIVATE ROOM 134 - 2R, 51W LIGHTING	34
		L				0.1 0.1				L		
35	SEMI-PRIVATE ROOM 135 - 4R, 102W LIGHTING	R	20	1			0.7 0.7	1	20	R	SEMI-PRIVATE ROOM 136 - 4R, 102W LIGHTING	36
		L					0.1 0.1			L		
37	SEMI-PRIVATE ROOM 137 - 4R, 102W LIGHTING	R	20	1	0.7 0.7			1	20	R	SEMI-PRIVATE ROOM 138 - 4R, 102W LIGHTING	38
		L			0.1 0.1					L		
39	PRIVATE ROOM 139 - 2R, 51W LIGHTING	R	20	1		0.4 0.4		1	20	R	PRIVATE ROOM 140 - 2R, 51W LIGHTING	40
		L				0.1 0.1				L		
41	NURSE STATION 7R	R	20	1			1.4 0.8	1	20	R	IT CLOSET 4R	42
43	NURSE STATION 7R	R	20	1	1.4 0.8			1	20	R	IT CLOSET 4R	44
45	MEDS 3R	R	20G	1		1.0 0.8		1	20	R	MECH ROOM 4R	46
47	WORK AREA 4R	R	20	1			0.8 0.8	1	20	R	MECH ROOM 4R	48
49	REMOTE NURSE 4R	R	20	1	0.8 0.8			1	20	R	DINING ROOM 4R	50
51	DOOR SECURITY	R	20	1		0.2 0.2		1	20	R	DOOR SECURITY	52
53	DOOR SECURITY	R	20	1			0.2	1	20		SPARE	54
55	LIGHTING, Z7 NURSE DLS, AND STANDALONE CONTROLS	L	20	1	0.8			1	20		SPARE	56
57	SERVERY GENERAL	R	20	1		0.4 12.0		3	150	Z	PANEL VS	58
59	100 MOBILE PLATE AND DISH DISPENSER	K	20G	2			1.6 12.0			Z		60
61		K			1.6 12.0					Z		62
63	102 HOT FOOD WELL UNIT, DROP-IN, ELECTRIC	K	30	2		3.0		1			SPACE	64
65		K					3.0	1			SPACE	66
67	104A UNDERCOUNTER FREEZER	K	20G	1	0.6			1			SPACE	68
69	110 ICE MAKER	K	20	1		1.1		1			SPACE	70
71	112 REACH-IN REFRIGERATOR	K	20G	1			0.6	1			SPACE	72
73	114 MICROWAVE OVEN	K	20G	1	1.6			1			SPACE	74
75	116 CONVEYOR TOASTER	K	20	1		1.8		1			SPACE	76
77	117 MOBILE HEATED CABINET	K	20G	1			0.2	1			SPACE	78
79	FIRE/SMOKE DAMPERS	Z	20	1	0.2			1			SPACE	80
81	SPARE		20	1				1			SPACE	82
83	SPARE		20	1				1			SPACE	84
			TOTAL LOAD:		28.7	27.1	27.2					
			TOTAL AMPS		79.8	75.3	75.5					

		TCL	TDL
Receptacle	R	28.4	19
Motor	M	0.0	0.0
Appliance	A	0.0	0
Kitchen	K	15.0	15
HVAC	H	0.0	0
Lighting	L	3.4	4.2
Miscellaneous	Z	36.3	36

TOTAL CONNECTED LOAD:	83.0 KW
TOTAL DEMAND LOAD	74.6 KW
TOTAL CONNECTED AMPS	231 A
TOTAL DEMAND AMPS	207 A

PANELBOARD: EN

LOCATION: MECH N15 **VOLTAGE:** 208Y/120V-3P-4W WYE
MOUNTING: SURFACE MOUNT **AIC RATING:**
MAIN DEVICE: 400A MCB **NOTES:** A - ARC FAULT
BUS AMPS: 400A

	LOAD DESCRIPTION	LOAD TYPE	BKR	P	A KVA	B KVA	C KVA	P	BKR	LOAD TYPE	LOAD DESCRIPTION	
1	PRIVATE ROOM 201 - 2R, 51W LIGHTING	R	20	1	0.4 0.4			1	20	R	PRIVATE ROOM 202 - 2R, 51W LIGHTING	2
		L			0.1 0.1					L		
3	PRIVATE ROOM 203 - 2R, 51W LIGHTING	R	20	1		0.4 0.4		1	20	R	PRIVATE ROOM 204 - 2R, 51W LIGHTING	4
		L				0.1 0.1				L		
5	PRIVATE ROOM 205 - 2R, 51W LIGHTING	R	20	1			0.4 0.4	1	20	R	PRIVATE ROOM 206 - 2R, 51W LIGHTING	6
		L					0.1 0.1			L		
7	SEMI-PRIVATE ROOM 207 - 4R, 102W LIGHTING	R	20	1	0.7 0.7			1	20	R	SEMI-PRIVATE ROOM 208 - 4R, 102W LIGHTING	8
		L			0.1 0.1					L		
9	SEMI-PRIVATE ROOM 209 - 4R, 102W LIGHTING	R	20	1		0.7 0.7		1	20	R	SEMI-PRIVATE ROOM 210 - 4R, 102W LIGHTING	10
		L				0.1 0.1				L		
11	PRIVATE ROOM 211 - 2R, 51W LIGHTING	R	20	1			0.4 0.4	1	20	R	PRIVATE ROOM 212 - 2R, 51W LIGHTING	12
		L					0.1 0.1			L		
13	PRIVATE ROOM 213 - 2R, 51W LIGHTING	R	20	1	0.4 0.4			1	20	R	PRIVATE ROOM 214 - 2R, 51W LIGHTING	14
		L			0.1 0.1					L		
15	PRIVATE ROOM 215 - 2R, 51W LIGHTING	R	20	1		0.4 0.4		1	20	R	PRIVATE ROOM 216 - 2R, 51W LIGHTING	16
		L				0.1 0.1				L		
17	PRIVATE ROOM 217 - 2R, 51W LIGHTING	R	20	1			0.4 0.4	1	20	R	PRIVATE ROOM 218 - 2R, 51W LIGHTING	18
		L					0.1 0.1			L		
19	PRIVATE ROOM 219 - 2R, 51W LIGHTING	R	20	1	0.4 0.4			1	20	R	PRIVATE ROOM 220 - 2R, 51W LIGHTING	20
		L			0.1 0.1					L		
21	PRIVATE ROOM 221 - 2R, 51W LIGHTING	R	20	1		0.4 0.4		1	20	R	PRIVATE ROOM 222 - 2R, 51W LIGHTING	22
		L				0.1 0.1				L		
23	PRIVATE ROOM 223 - 2R, 51W LIGHTING	R	20	1			0.4 0.4	1	20	R	PRIVATE ROOM 224 - 2R, 51W LIGHTING	24
		L					0.1 0.1			L		
25	PRIVATE ROOM 225 - 2R, 51W LIGHTING	R	20	1	0.4 0.4			1	20	R	PRIVATE ROOM 226 - 2R, 51W LIGHTING	26
		L			0.1 0.1					L		
27	PRIVATE ROOM 227 - 2R, 51W LIGHTING	R	20	1		0.4 0.4		1	20	R	PRIVATE ROOM 228 - 2R, 51W LIGHTING	28
		L				0.1 0.1				L		
29	PRIVATE ROOM 229 - 2R, 51W LIGHTING	R	20	1			0.4 0.4	1	20	R	PRIVATE ROOM 230 - 2R, 51W LIGHTING	30
		L					0.1 0.1			L		
31	SEMI-PRIVATE ROOM 231 - 4R, 102W LIGHTING	R	20	1	0.7 0.7			1	20	R	SEMI-PRIVATE ROOM 232 - 4R, 102W LIGHTING	32
		L			0.1 0.1					L		
33	PRIVATE ROOM 233 - 2R, 51W LIGHTING	R	20	1		0.4 0.4		1	20	R	PRIVATE ROOM 234 - 2R, 51W LIGHTING	34
		L				0.1 0.1				L		
35	SEMI-PRIVATE ROOM 235 - 4R, 102W LIGHTING	R	20	1			0.7 0.7	1	20	R	SEMI-PRIVATE ROOM 236 - 4R, 102W LIGHTING	36
		L					0.1 0.1			L		
37	SEMI-PRIVATE ROOM 237 - 4R, 102W LIGHTING	R	20	1	0.7 0.7			1	20	R	SEMI-PRIVATE ROOM 238 - 4R, 102W LIGHTING	38
		L			0.1 0.1					L		
39	PRIVATE ROOM 239 - 2R, 51W LIGHTING	R	20	1		0.4 0.4		1	20	R	PRIVATE ROOM 240 - 2R, 51W LIGHTING	40
		L				0.1 0.1				L		
41	NURSE STATION 7R	R	20	1			1.4 0.8	1	20	R	IT CLOSET 4R	42
43	NURSE STATION 7R	R	20	1	1.4 0.8			1	20	R	IT CLOSET 4R	44
45	MEDS 3R	R	20G	1		1.0 0.8		1	20	R	MECH ROOM 4R	46
47	WORK AREA 4R	R	20	1			0.8 0.8	1	20	R	MECH ROOM 4R	48
49	REMOTE NURSE 4R	R	20	1	0.8 0.8			1	20	R	DINING ROOM 4R	50
51	DOOR SECURITY	R	20	1		0.2 0.2		1	20	R	DOOR SECURITY	52
53	DOOR SECURITY	R	20	1			0.2	1	20		SPARE	54
55	LIGHTING, Z7 NURSE DLS, AND STANDALONE CONTROLS	L	20	1	0.8			1	20		SPARE	56
57	SERVERY GENERAL	R	20	1		0.4 12.0		3	150	Z	PANEL VN	58
59	100 MOBILE PLATE AND DISH DISPENSER	K	20G	2			1.6 12.0			Z		60
61		K			1.6 12.0					Z		62
63	102 HOT FOOD WELL UNIT, DROP-IN, ELECTRIC	K	30	2		3.0		1			SPACE	64
65		K					3.0	1			SPACE	66
67	104A UNDERCOUNTER FREEZER	K	20G	1	0.6			1			SPACE	68
69	110 ICE MAKER	K	20	1		1.1		1			SPACE	70
71	112 REACH-IN REFRIGERATOR	K	20G	1			0.6	1			SPACE	72
73	114 MICROWAVE OVEN	K	20G	1	1.6			1			SPACE	74
75	116 CONVEYOR TOASTER	K	20	1		1.8		1			SPACE	76
77	117 MOBILE HEATED CABINET	K	20G	1			0.2	1			SPACE	78
79	FIRE/SMOKE DAMPERS	Z	20	1	0.2			1			SPACE	80
81	SPARE		20	1				1			SPACE	82
83	SPARE		20	1				1			SPACE	84
			TOTAL LOAD:		28.7	27.1	27.2					
			TOTAL AMPS		79.8	75.3	75.5					

		TCL	TDL
Receptacle	R	28.4	19
Motor	M	0.0	0.0
Appliance	A	0.0	0
Kitchen	K	15.0	15
HVAC	H	0.0	0
Lighting	L	3.4	4.2
Miscellaneous	Z	36.3	36

TOTAL CONNECTED LOAD:	83.0 KW
TOTAL DEMAND LOAD	74.6 KW
TOTAL CONNECTED AMPS	231 A
TOTAL DEMAND AMPS	207 A

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1915 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
PANEL SCHEDULES

DAI PROJECT NO.
26032

E7.3

2026-06-24 - 1/8" = 1'-0"

PANELBOARD: VN

LOCATION: MECH S15 — **VOLTAGE:** 208Y/120V-3P-4W WYE
MOUNTING: SURFACE MOUNT — **AIC RATING:**
MAIN DEVICE: 150A — **NOTES:**
BUS AMPS: 225A

	LOAD DESCRIPTION	LOAD TYPE	BKR	P	A KVA	B KVA	C KVA	P	BKR	LOAD TYPE	LOAD DESCRIPTION	
1	EF-5	H	20	1	0.6	1.0		1	20	H	EF-6	2
3	F-3	H	15	1		1.7	0.2	1	20	H	EF-8	4
5	F-4	H	15	1			1.1 3.7			H		6
7		H			3.4	3.7		3	45	H	RTU-6	8
9	DOAS-2	H	45	3		3.4	3.7			H		10
11		H					3.4 3.1	2	50	H	CU-3	12
13	SPACE			1	3.1					H		14
15	SPACE			1		1.9		2	30	H	CU-4	16
17	SPACE			1			1.9			H		18
19	SPACE			1				1			SPACE	20
21	SPACE			1				1			SPACE	22
23	SPACE			1				1			SPACE	24
25	SPACE			1				1			SPACE	26
27	SPACE			1				1			SPACE	28
29	SPACE			1				1			SPACE	30
			TOTAL LOAD:		11.9	11.0	13.2					
			TOTAL AMPS:		33.0	30.4	36.8					

		TCL	TDL
Receptacle	R	0.0	0
Motor	M	0.0	0.0
Appliance	A	0.0	0
Kitchen	K	0.0	0
HVAC	H	36.1	36
Lighting	L	0.0	0
Miscellaneous	Z	0.0	0

TOTAL CONNECTED LOAD:	36.1 KW
TOTAL DEMAND LOAD	36.1 KW
TOTAL CONNECTED AMPS	100 A
TOTAL DEMAND AMPS	100 A

PANELBOARD: VS

LOCATION: MECH S15 — **VOLTAGE:** 208Y/120V-3P-4W WYE
MOUNTING: SURFACE MOUNT — **AIC RATING:**
MAIN DEVICE: 150A — **NOTES:**
BUS AMPS: 225A

	LOAD DESCRIPTION	LOAD TYPE	BKR	P	A KVA	B KVA	C KVA	P	BKR	LOAD TYPE	LOAD DESCRIPTION	
1	EF-7	H	20	1	0.2	1.0		1	20	H	EF-1	2
3	F-1	H	15	1		1.7	0.6	1	20	H	EF-2	4
5	F-2	H	15	1			1.1 3.7			H		6
7		H			3.4	3.7		3	45	H	RTU-5	8
9	DOAS-1	H	45	3		3.4	3.7			H		10
11		H					3.4 3.1	2	50	H	CU-1	12
13	SPACE			1	3.1					H		14
15	SPACE			1		1.9		2	30	H	CU-2	16
17	SPACE			1			1.9			H		18
19	SPACE			1				1			SPACE	20
21	SPACE			1				1			SPACE	22
23	SPACE			1				1			SPACE	24
25	SPACE			1				1			SPACE	26
27	SPACE			1				1			SPACE	28
29	SPACE			1				1			SPACE	30
			TOTAL LOAD:		11.5	11.3	13.2					
			TOTAL AMPS:		32.0	31.4	36.8					

		TCL	TDL
Receptacle	R	0.0	0
Motor	M	0.0	0.0
Appliance	A	0.0	0
Kitchen	K	0.0	0
HVAC	H	36.1	36
Lighting	L	0.0	0
Miscellaneous	Z	0.0	0

TOTAL CONNECTED LOAD:	36.1 KW
TOTAL DEMAND LOAD	36.1 KW
TOTAL CONNECTED AMPS	100 A
TOTAL DEMAND AMPS	100 A

PANELBOARD: K

LOCATION: ELEC C36 — **VOLTAGE:** 208Y/120V-3P-4W WYE
MOUNTING: SURFACE MOUNT — **AIC RATING:**
MAIN DEVICE: 250A MCB — **NOTES:**
BUS AMPS: 250A

	LOAD DESCRIPTION	LOAD TYPE	BKR	P	A KVA	B KVA	C KVA	P	BKR	LOAD TYPE	LOAD DESCRIPTION	
1	KITCHEN 2X4'S LIGHTING	K	20	1	0.7	0.8				K		
3	1A-TOASTER	K	20G	1		1.8	0.8	3	20	K	32.1-WALK-IN COOLER CONDENSER	4
5	3-CONV.OVEN - GAS - shunt	K	20	1			0.9 0.8			K		6
7		K			5.0	1.2				K		8
9	4-CONV. STEAMER, ELECTRIC BOILER LESS - shunt	K	20	3		5.0	1.2	3	20	K	32.3-WALK-IN FREEZER CONDENSER	10
11		K					5.0 1.2			K		12
13	5-HOOD	K	15	2		0.1		2	20	K	32.4-WALK-IN FREEZER	14
15		K					0.1			K	EVAPORATOR	16
17		K						0.9 0.9		K	32.4A-WALK-IN FREEZER	18
19	5.1-EXHAUST FAN, KEF-1	K	20	3	0.9	0.9		2	20	K	EVAPORATOR HEATER	20
21		K				0.9	1.1	1	20G	K	35-ICE MAKER, CUBE-STYLE	22
23		K					3.4 1.3	1	20G	K	36-MIXER/BLENDER	24
25	5.2-MUA FAN	K	30	3	3.4	0.2		1	20G	K	54-MOBILE HEATED CABINET	26
27		K					3.4 1.4	1	20G	K	55-COMMERCIAL FOOD BLENDER	28
29	5.3-FIRE SUPPRESSION CONTROL	K	15	1			0.7	1	20G	K	DISHWASHER HOOD KEF-2	30
31	6-TILTING SKILLET BRAISING PAN, COUNTERTOP, ELECTRIC - shunt	K	30	3	3.0	0.3		1	20G	K	DRY STOR/OFFICE C50	32
33		K				3.0		1	20G		SPARE	34
35		K					3.0	1	20G		SPARE	36
37	7-REACH IN REFRIGERATOR	K	20	1	0.6			1	20G		SPARE	38
39	12-COFFEE BREWER	K	40	2		3.5		1	20G		SPARE	40
41		K					3.5	1	20G		SPARE	42
43	14-FOOD SLICER	K	20	1	0.4			1	20G		SPARE	44
45	15-PLANETARY MIXER	K	20	1		0.7		1	20G		SPARE	46
47	20.1-MICROWAVE OVEN	K	20	1			1.6	1	20G		SPARE	48
49	21-JUICE DISPENSER	K	20	1	0.7			1	20G		SPARE	50
51	22-ICED TEA BREWER	K	20	1		1.7		1	20G		SPARE	52
53		K					5.5	1	20G		SPARE	54
55	25-DISHWASHER, DOOR TYPE	K	50	3	5.5			1	20G		SPARE	56
57		K				5.5		1	20G		SPARE	58
59		K					0.8	1			SPACE	60
61	27-DISPOSER	K	20	3	0.8			1			SPACE	62
63		K				0.8		1			SPACE	64
65	30.1-CONDENSATE FAN	K	20	1			0.7	1			SPACE	66
67	32-WALK-IN COOLER/FREEZER	K	20	1				1			SPACE	68
69	32.2-WALK-IN COOLER EVAPORATOR	K	20	1		0.2		1			SPACE	70
71	32.4B-COIL HEATER TAPE	K	20	1				1			SPACE	72
73	SPARE		20	1				1			SPACE	74
75	SPARE		20	1				1			SPACE	76
77	SPARE		20	1				1			SPACE	78
79	OFFICE C50/RR C44/JAN C45 7R	R	20	1	1.4			1			SPACE	80
81	SPARE		20	1				1			SPACE	82
83	SPARE		20	1				1			SPACE	84
			TOTAL LOAD:		25.9	31.2	30.1					
			TOTAL AMPS:		71.9	86.6	83.7					

		TCL	TDL
Receptacle	R	1.4	1.4
Motor	M	0	0
Appliance	A	0	0
Kitchen	K	85.0498	55
HVAC	H	0	0
Lighting	L	0	0
Miscellaneous	Z	0	0

TOTAL CONNECTED LOAD:	87.1 KW
TOTAL DEMAND LOAD	66.7 KW
TOTAL CONNECTED AMPS	242 A
TOTAL DEMAND AMPS	158 A

2026-06-24 - 1/8" = 1'-0"

DSC ARCHITECTS
401 FRONT STREET
BEREA, OHIO 44017
PHONE: 440.835.3957
mail@dscarchitects.com

DATE:
PERMIT SUBMISSION:
06.19.26

BENETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1915 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA

COMMONWEALTH OF VIRGINIA
MICHAEL THOMAS DENK
Lic. No. 402063288
PROFESSIONAL ENGINEER

DRAWING NAME
PANEL SCHEDULES

DAI PROJECT NO.
26032

E7.4