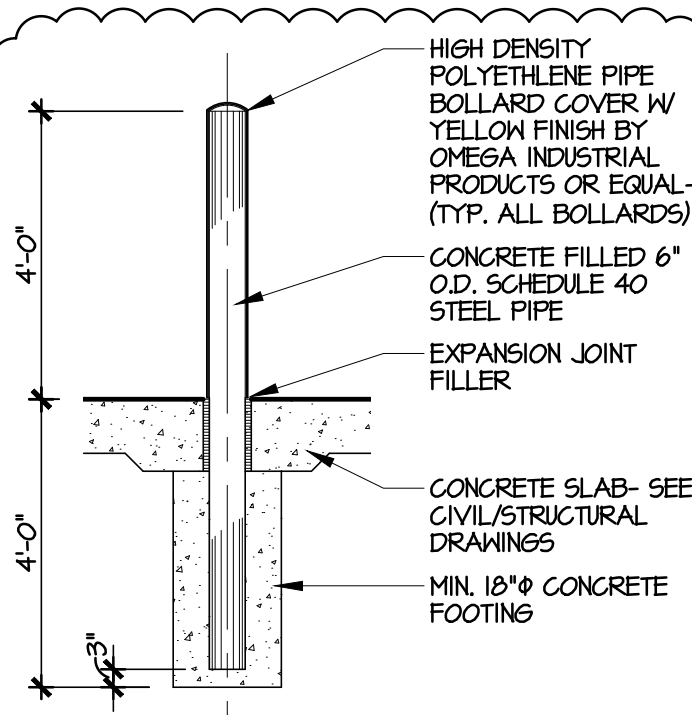
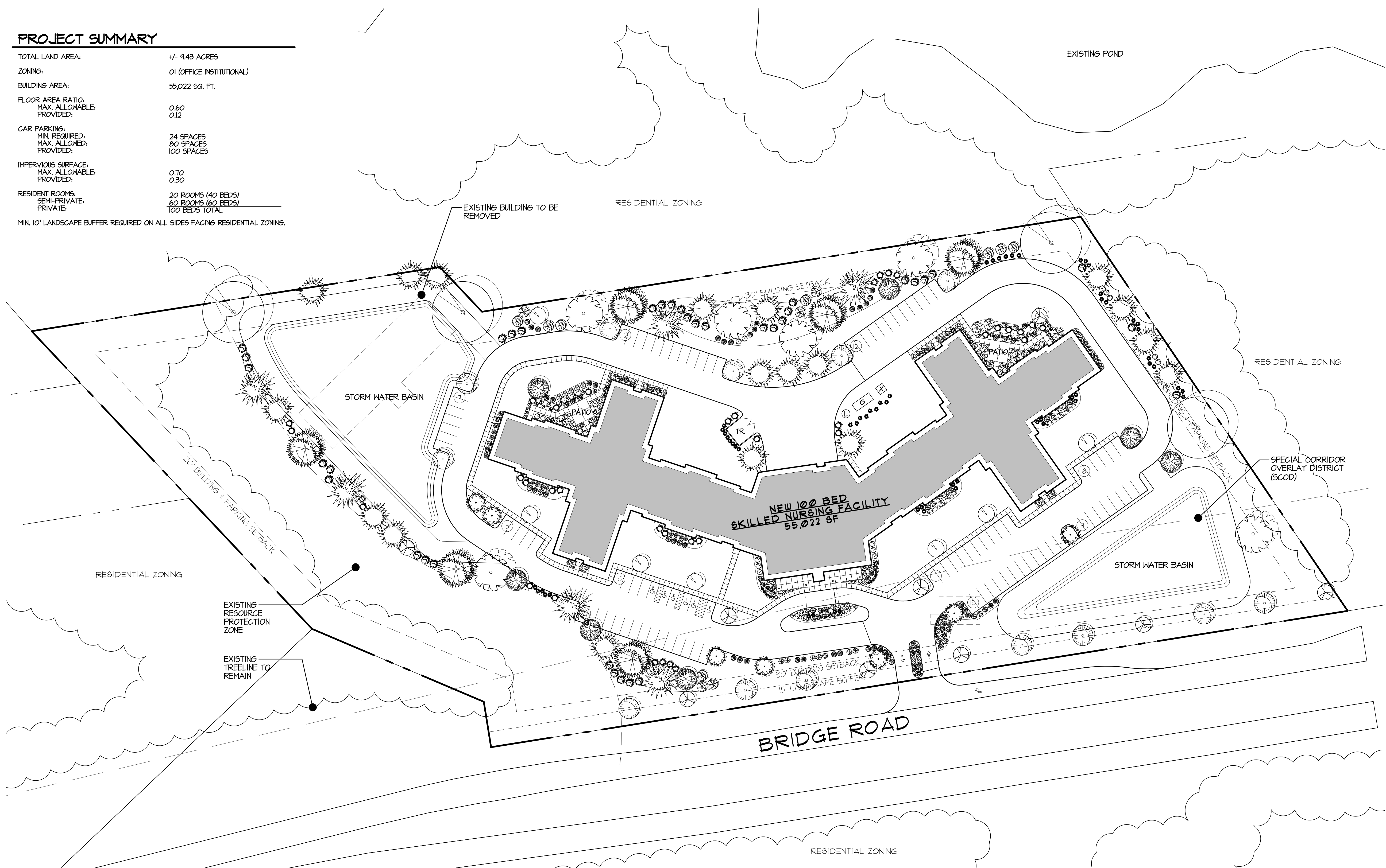


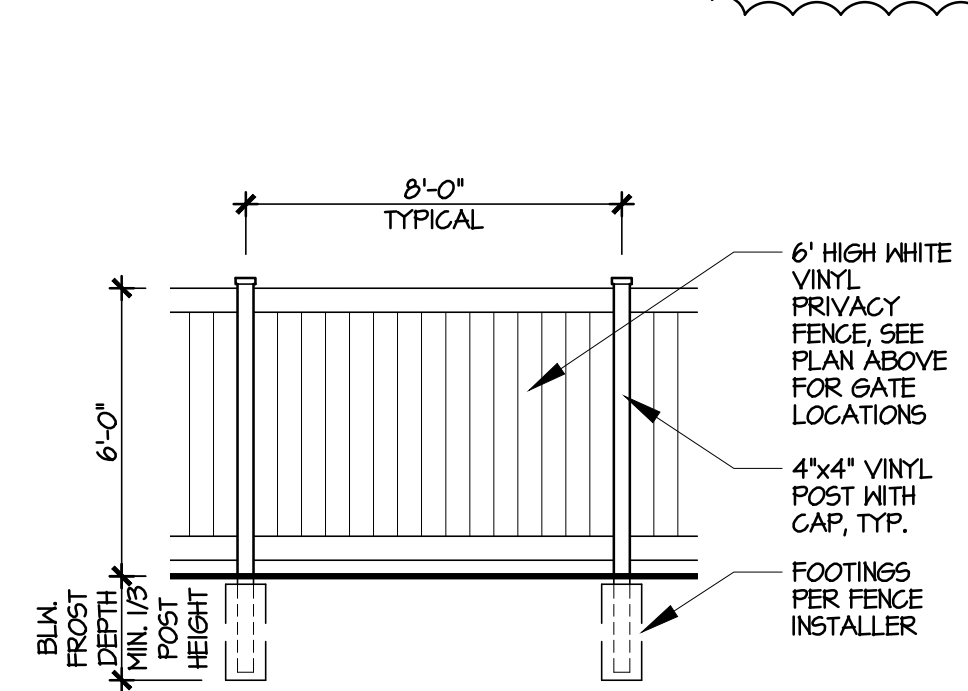
PROJECT SUMMARY

TOTAL LAND AREA:	+/- 9.43 ACRES
ZONING:	O1 (OFFICE INSTITUTIONAL)
BUILDING AREA:	55,022 SQ. FT.
FLOOR AREA RATIO, MAX. ALLOWABLE:	0.60
PROVIDED:	0.12
CAR PARKING:	
MIN. REQUIRED:	24 SPACES
MAX. ALLOWED:	80 SPACES
PROVIDED:	100 SPACES
IMPERVIOUS SURFACE:	
MAX. ALLOWABLE:	0.10
PROVIDED:	0.30
RESIDENT ROOMS:	20 ROOMS (40 BEDS)
SEMI-PRIVATE:	60 ROOMS (60 BEDS)
PRIVATE:	100 BEDS TOTAL
MIN. 10' LANDSCAPE BUFFER REQUIRED ON ALL SIDES FACING RESIDENTIAL ZONING.	

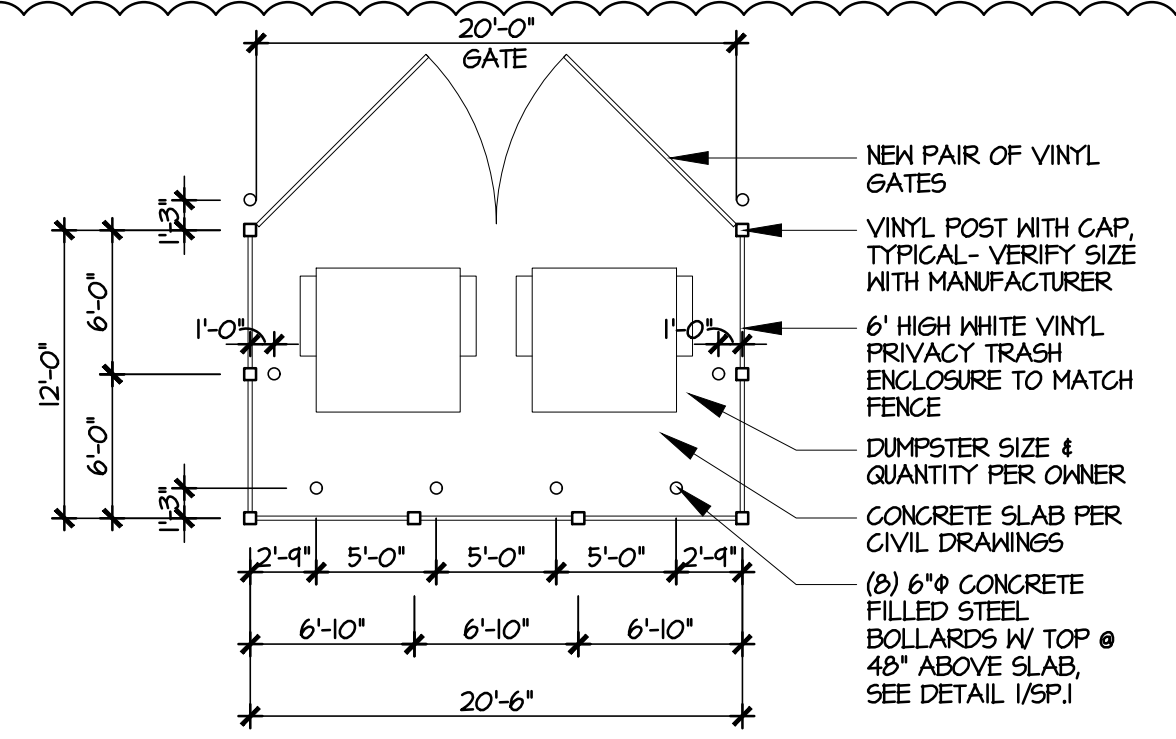


1 BOLLARD DETAIL
SCALE: 3/8" = 1'-0"

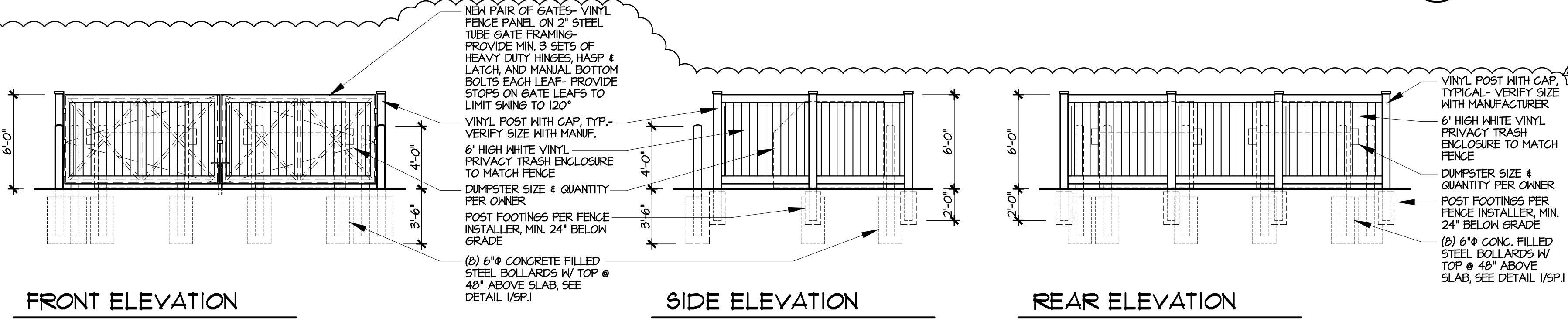
ARCHITECTURAL SITE PLAN
SCALE: 1" = 50'-0" 0' 1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12'



2 FENCE DETAIL
SCALE: 1/4" = 1'-0"



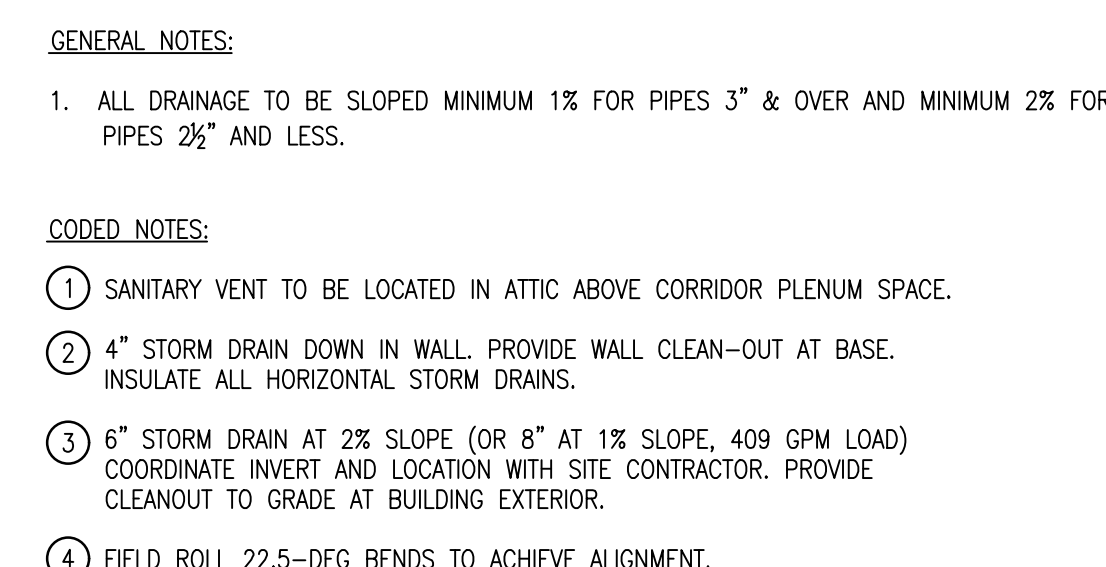
A TRASH ENCLOSURE PLAN
SCALE: 0' 1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12'



TRASH ENCLOSURE ELEVATIONS
SCALE: 0' 1' 2' 3' 4' 5' 6' 7' 8' 9' 10' 11' 12'



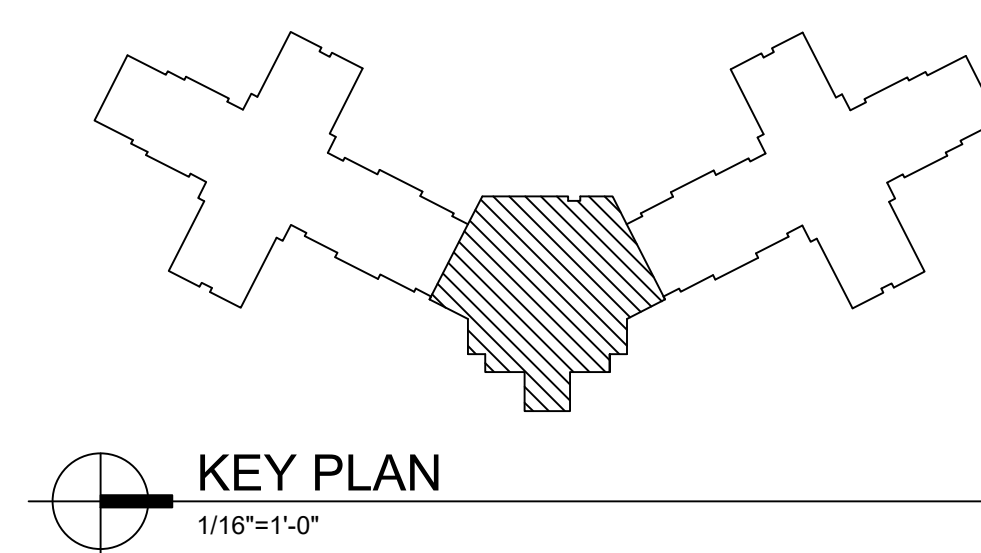
DATE: 06.19.2024
PERMIT SUBMISSION: 08.04.2024
ADDENDUM #2: 08.04.2024



1 PLUMBING UNDERGROUND PLAN - CENTER

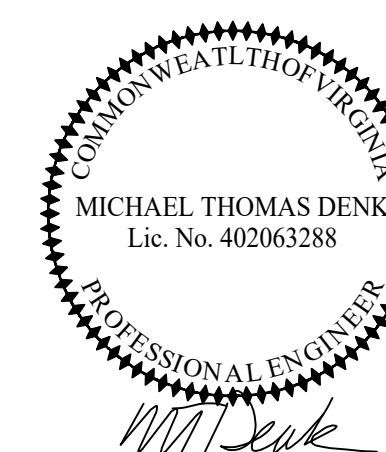
Scale: 1/8" = 1'-0"

0 2' 4' 8' 16'



2026-08-05 - 1/8" = 1'-0"

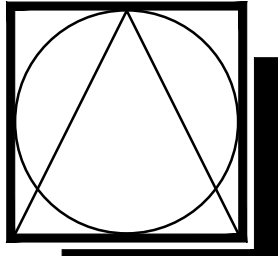
BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
93/1915 BRIDGE ROAD (HIGHWAY 17)



DRAWING NAME
PLUMBING
UNDERGROUND
PLAN - CENT

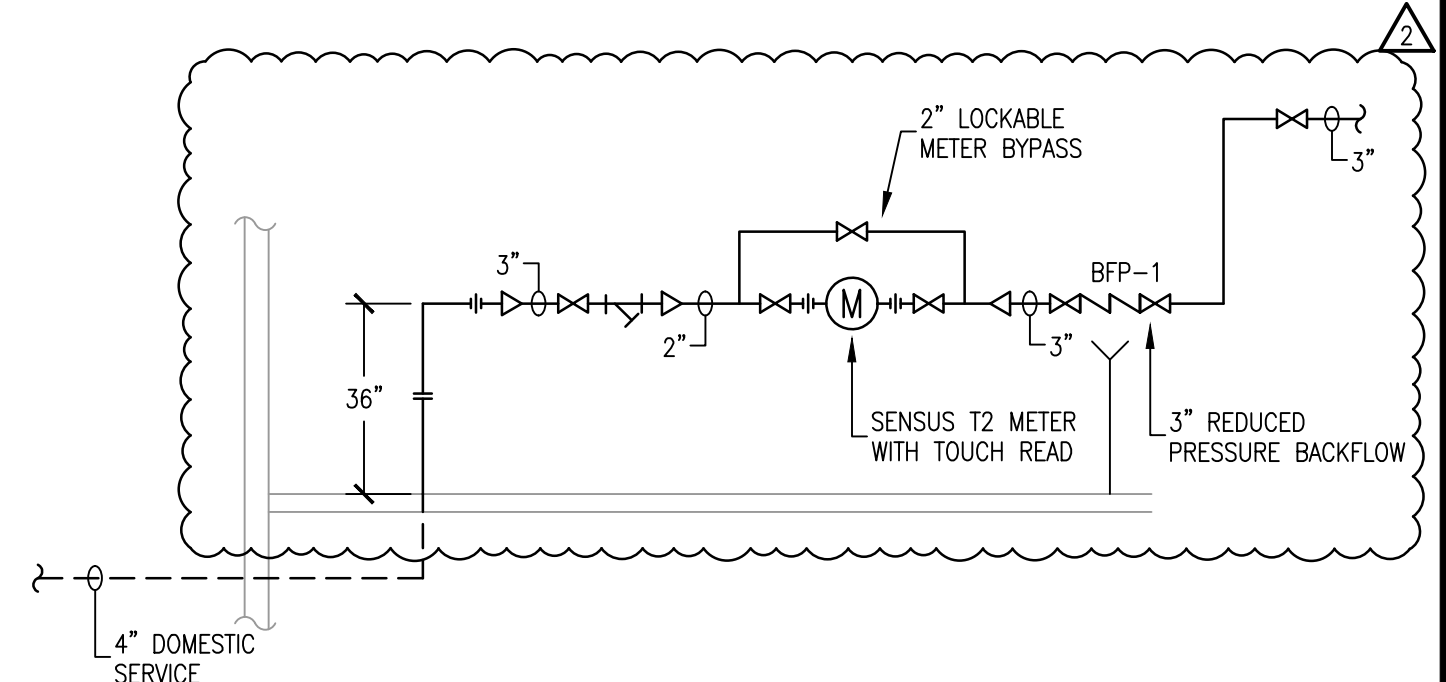
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P1.2



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DATE:
PERMIT SUBMISSION: 06.19.26
ADDENDUM #2: 08.04.26



2 WATER SERVICE DETAIL
Scale: NTS

GENERAL NOTES:

- FOR PLUMBING LEGEND, ABBREVIATIONS AND GENERAL NOTES REFER TO DRAWING P0.1.
- PROVIDE POINT OF USE THERMOSTATIC MIXING VALVES, ONE FOR EACH LAVATORY, LAWLER MODEL 516, ASSE 1070, OR AS APPROVED.

CODED NOTES:

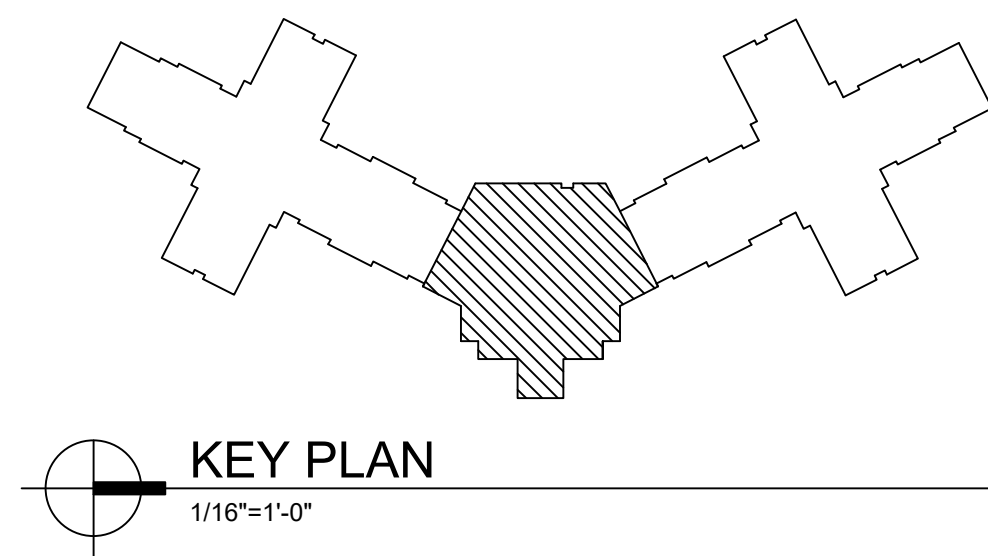
- DOMESTIC WATER METER & CITY APPROVED BACKFLOW PREVENTER IS LOCATED IN VAULT. FOR EXACT LOCATION REFER TO SITE/CIVIL DRAWINGS.
- 3" CW UP THRU FLOOR SLAB. PROVIDE MAIN SHUT-OFF VALVE IN RISER.
- 1" GAS LINE UP TO RTU-2 ON ROOF. PROVIDE PATE PIPE CURB.
- 1 1/4" GAS LINE UP TO RTU-1 & RTU-3 ON ROOF. PROVIDE PATE PIPE CURB.
- 1" GAS LINE UP TO RTU-4 ON ROOF. PROVIDE PATE PIPE CURB.
- 4" STORM DRAIN DOWN IN WALL. PROVIDE WALL CLEAN-OUT AT BASE. INSULATE ALL HORIZONTAL STORM DRAINS.
- 1" GAS LINE UP TO MAU-1 ON ROOF. PROVIDE PATE PIPE CURB.
- NATURAL GAS LINE LOCATED IN ATTIC.
- OVERFLOW ROOF DRAIN AT 1/4" SLOPE.

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



CODED NOTES:

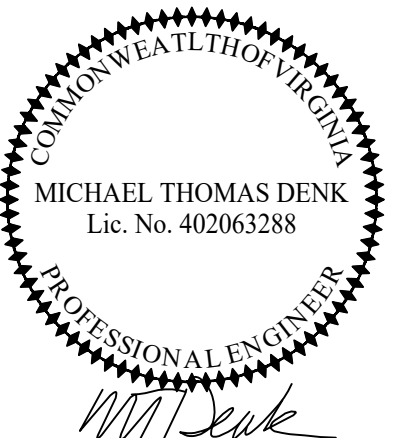
- SANITARY VENT FROM TO BE LOCATED IN ATTIC ABOVE CORRIDOR PLENUM SPACE.
- 4" STORM DRAIN DOWN IN WALL. PROVIDE WALL CLEAN-OUT AT BASE. INSULATE ALL HORIZONTAL STORM DRAINS.



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

2026-08-03 - 1/8" = 1'-0"

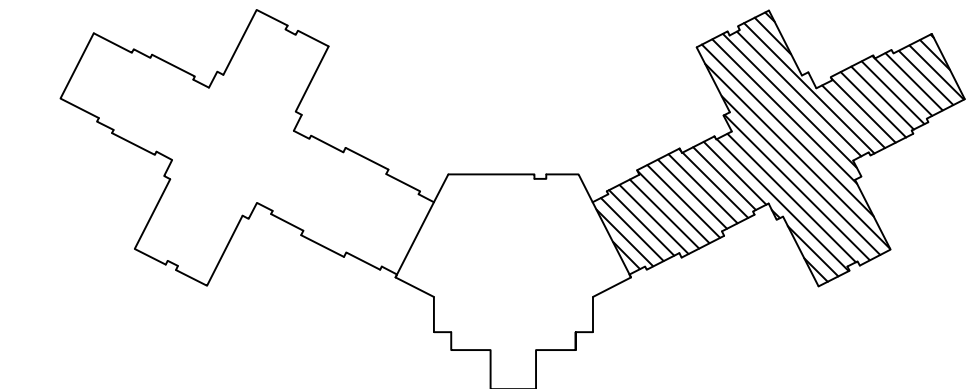
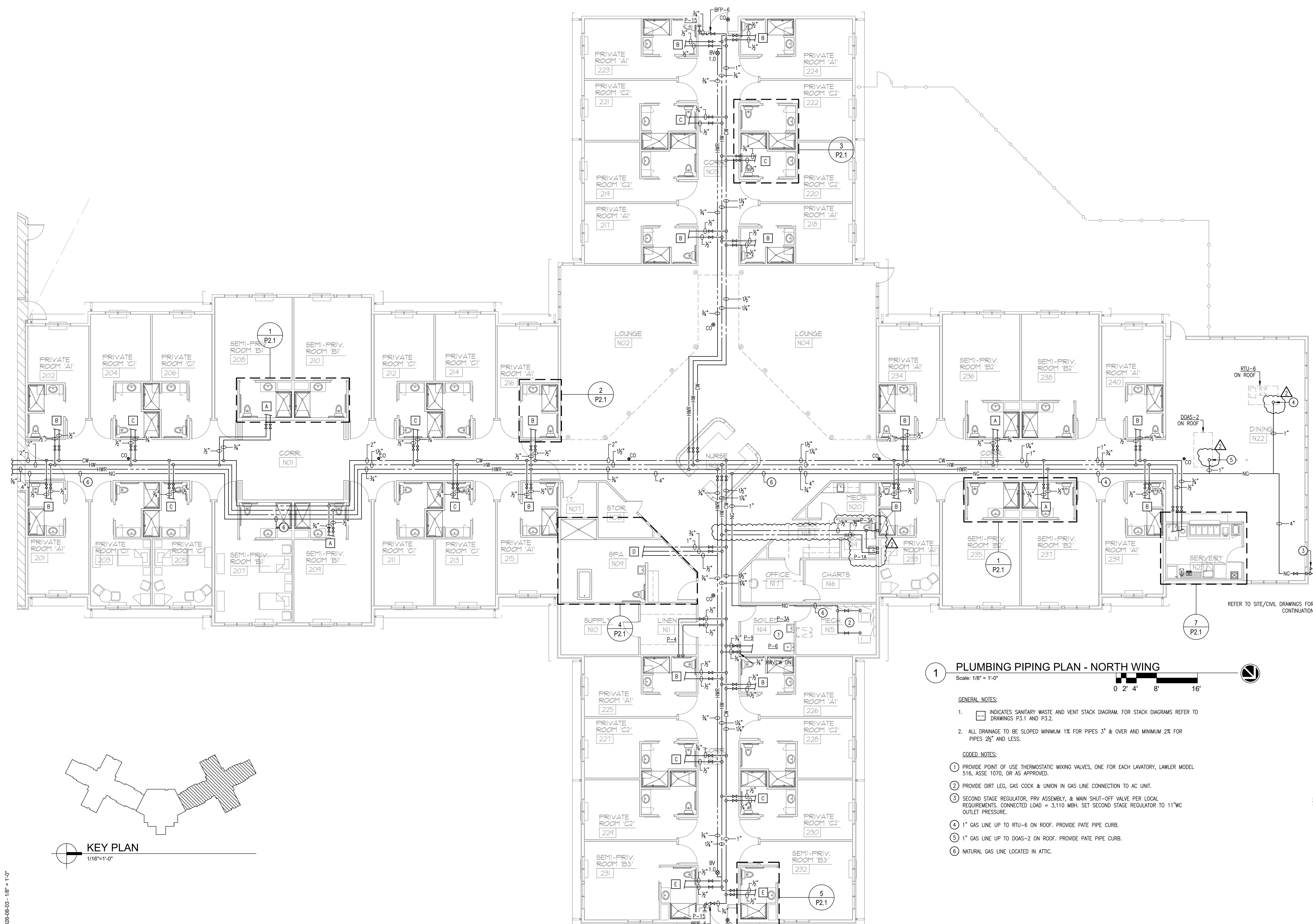
BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1915 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA



DRAWING NAME
PLUMBING PIPING
PLAN - CENTER

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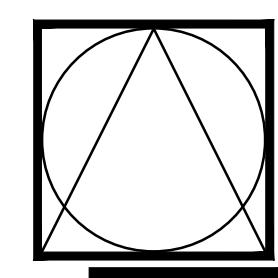
P1.5



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

1 PLUMBING PIPING PLAN - NORTH WING
Scale: 1/8" = 1'-0"
0 2' 4' 8' 16'

- GENERAL NOTES:
- INDICATES SANITARY WASTE AND VENT STACK DIAGRAM. FOR STACK DIAGRAMS REFER TO DRAWINGS P3.1 AND P3.2.
 - ALL DRAINAGE TO BE SLOPED MINIMUM 1% FOR PIPES 3" & OVER AND MINIMUM 2% FOR PIPES 2 1/2" AND LESS.
- CODED NOTES:
- PROVIDE POINT OF USE THERMOSTATIC MIXING VALVES, ONE FOR EACH LAVATORY, LAWLER MODEL 516, ASSE 1070, OR AS APPROVED.
 - PROVIDE DIRT LEG, GAS COCK & UNION IN GAS LINE CONNECTION TO AC UNIT.
 - SECOND STAGE REGULATOR, PRV ASSEMBLY, & MAIN SHUT-OFF VALVE PER LOCAL REQUIREMENTS. CONNECTED LOAD = 3,110 MBH. SET SECOND STAGE REGULATOR TO 11"WC OUTLET PRESSURE.
 - 1" GAS LINE UP TO RTU-6 ON ROOF. PROVIDE PATE PIPE CURB.
 - 1" GAS LINE UP TO DOAS-2 ON ROOF. PROVIDE PATE PIPE CURB.
 - NATURAL GAS LINE LOCATED IN ATTIC.



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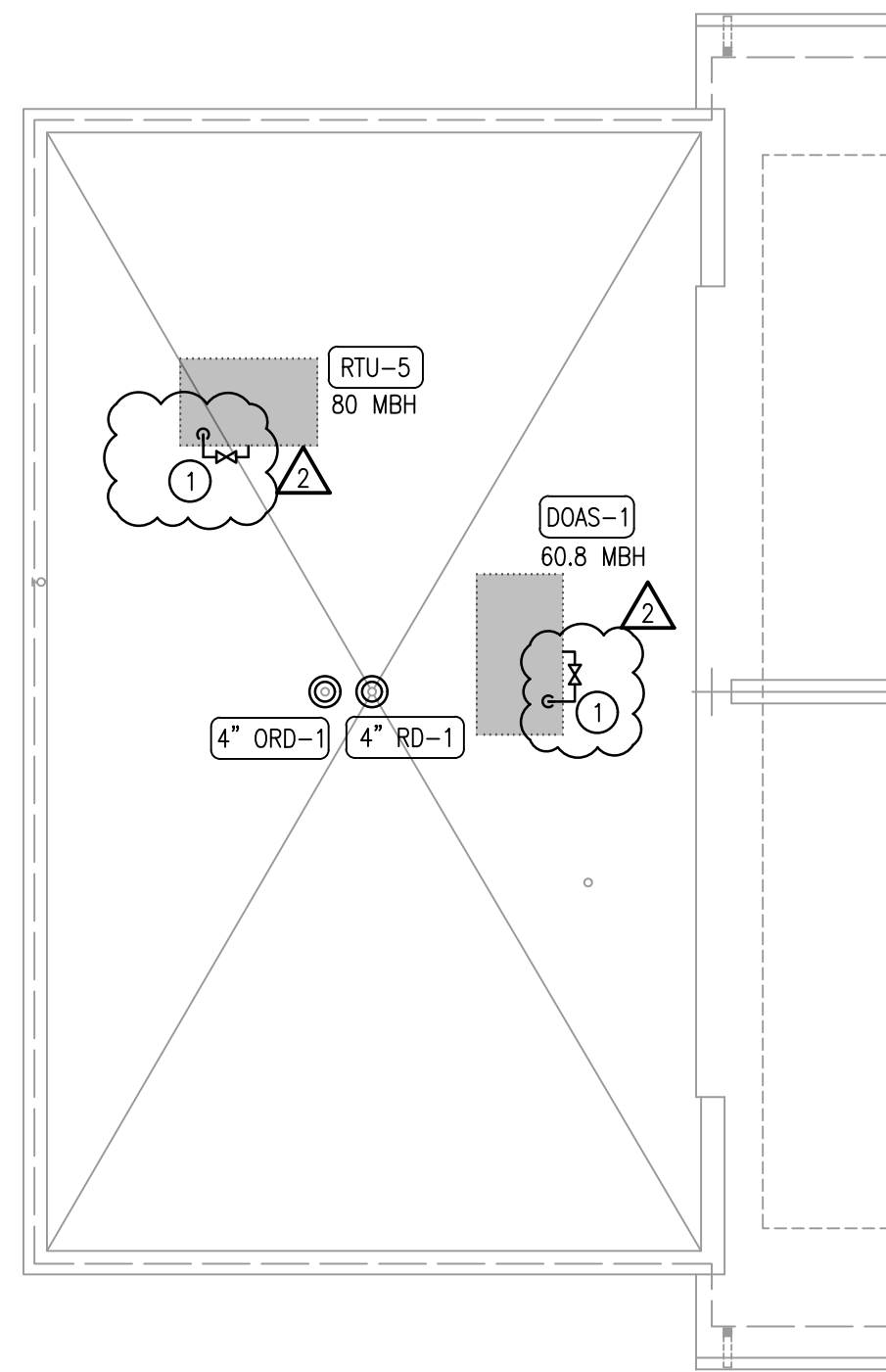
BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1915 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA



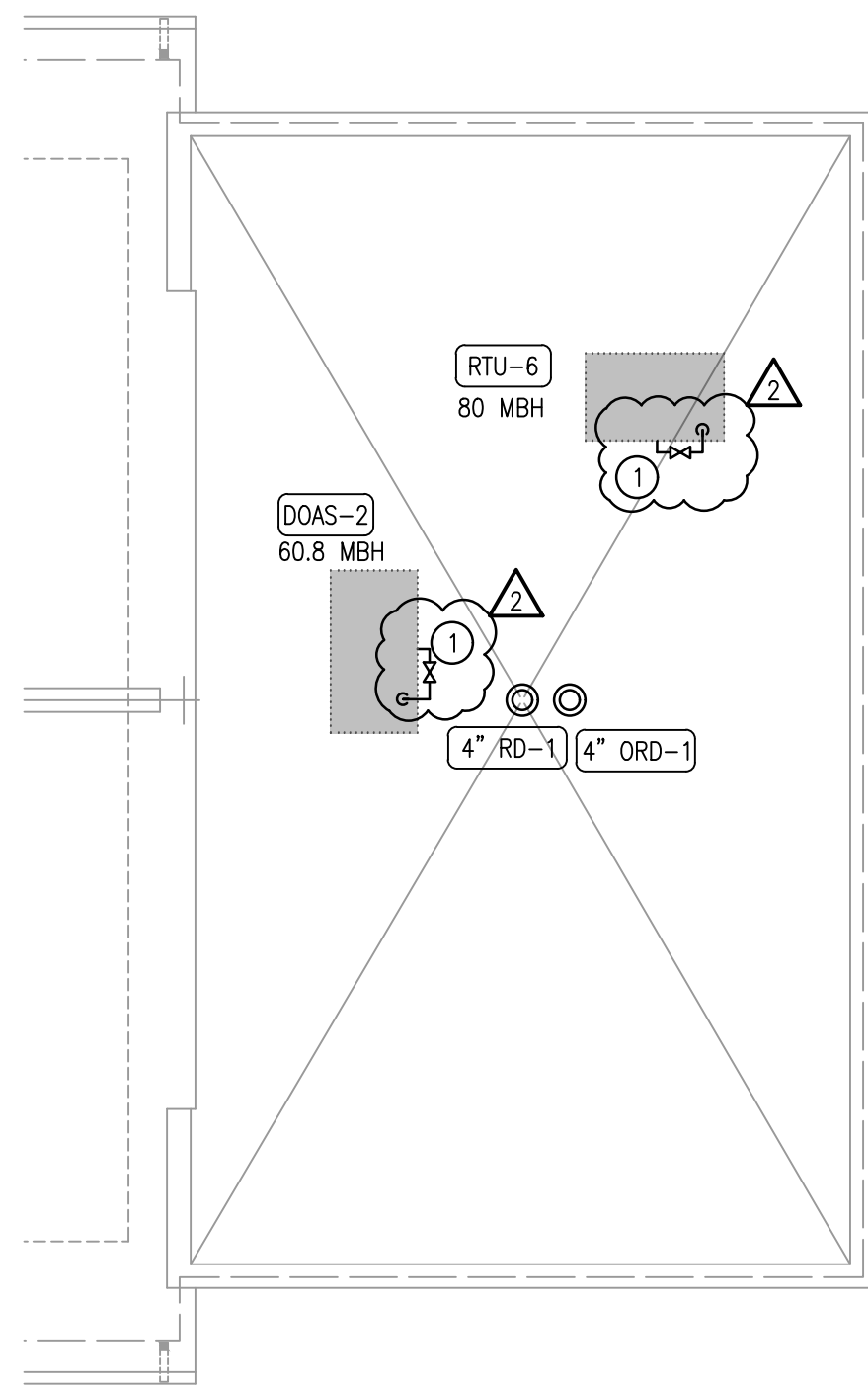
DRAWING NAME
PLUMBING PIPING
PLAN - NORTH
WING

DAI PROJECT NO.
26032

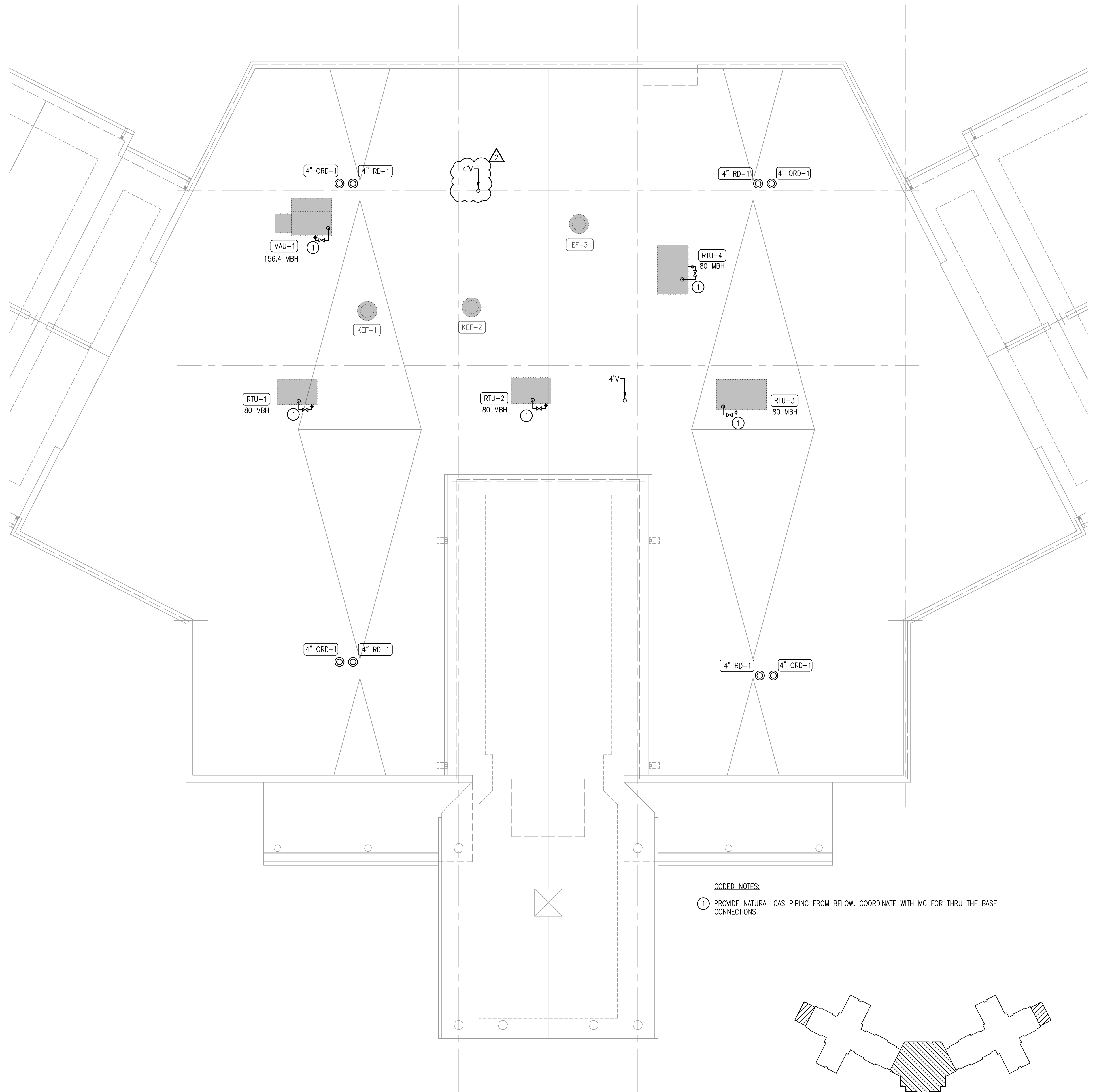
P1.6



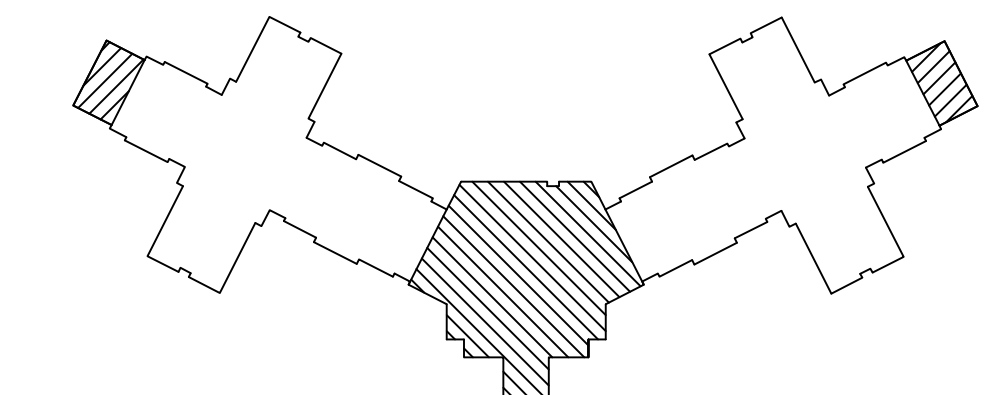
2 PLUMBING ROOF PLAN - SOUTH WING
Scale: 1/8" = 1'-0"



3 PLUMBING ROOF PLAN - NORTH WING
Scale: 1/8" = 1'-0"

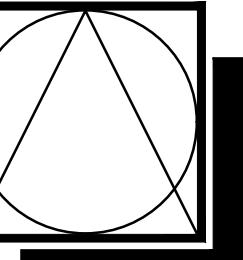


CODED NOTES:
① PROVIDE NATURAL GAS PIPING FROM BELOW, COORDINATE WITH MC FOR THRU THE BASE CONNECTIONS.



KEY PLAN

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



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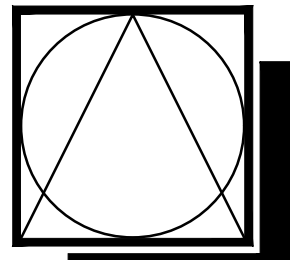
BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1915 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA



DRAWING NAME
PLUMBING ROOF PLANS

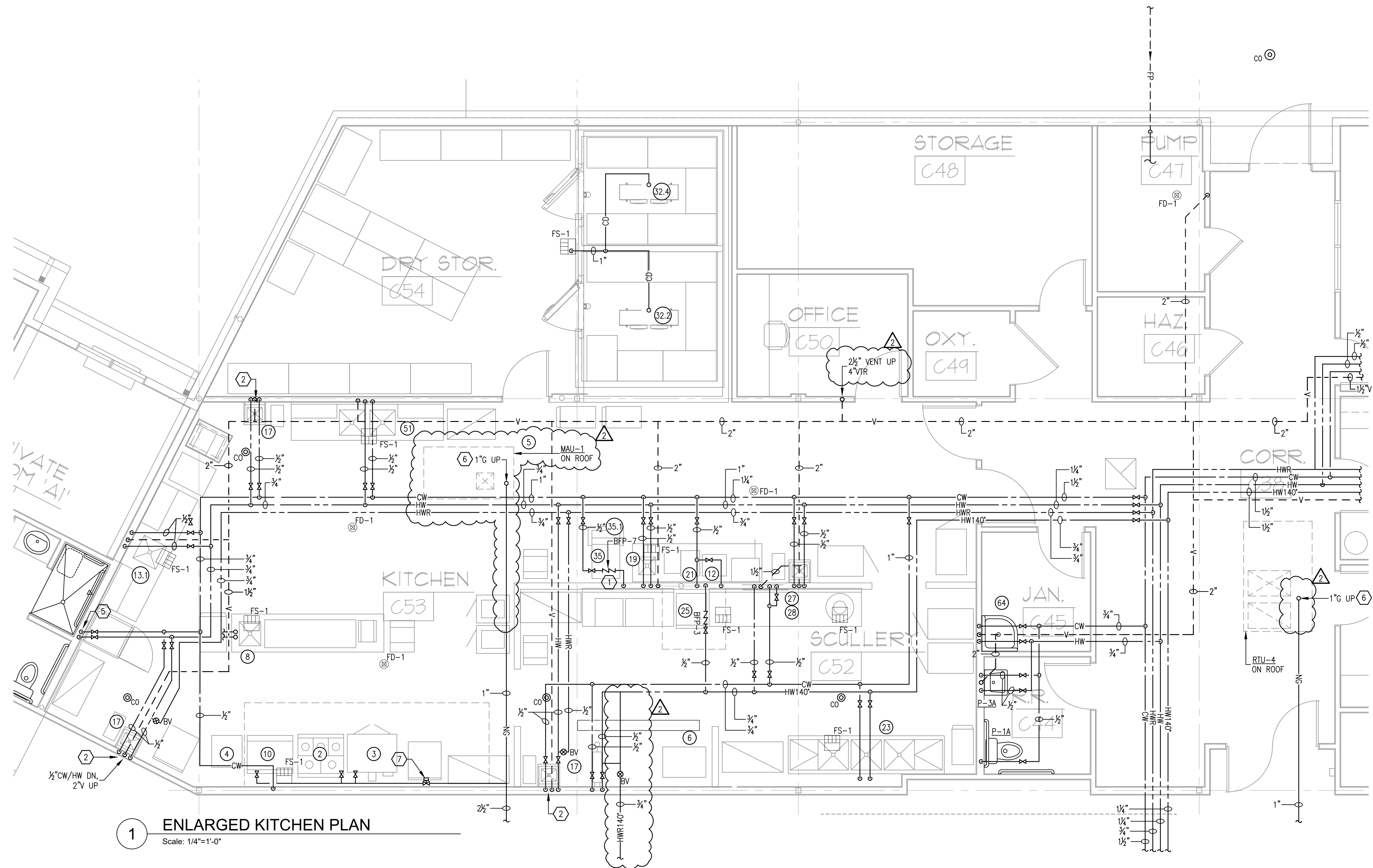
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P1.7



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ADDENDUM #2: 08.04.26



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

KITCHEN AREA CONNECTION SCHEDULE

MARK	QTY	SERVICE	CW	HW	HW (140°)	SANITARY			GAS SIZE	BTUH	REMARKS
						DIRECT	INDIRECT	VENT			
2	1	RANGE, RESTAURANT, GAS	--	--	--	--	--	--	3/4"	224,000	--
3	1	CONNECTION OVEN	--	--	--	--	--	--	3/4"	140,000	--
4	1	STEAMER, ATMOSPHERIC CONNECTED	1/2"	--	--	--	3/4"	--	--	--	1.
5	1	MAU SUPPLY FAN	--	--	--	--	1"	--	1/2"	163,700	2.
6	1	FLOOR TROUGH	--	--	--	4"	--	--	--	--	--
8	1	S.S. WORK TABLE W/SINK	1/2"	1/2"	--	--	--	1-1/2"	--	--	1.
10	2	GRIDDLE, GAS, COUNTERTOP	1/2"	--	--	--	--	--	3/4"	60,000	1.
12	1	COFFEE BREWER	1/2"	--	--	--	--	--	--	--	1.
13	2	S.S. WORK TABLE W/SINK	1/2"	1/2"	--	--	--	1-1/2"	--	--	1.
17	4	HAND SINK	1/2"	1/2"	--	1-1/2"	--	1-1/2"	--	--	--
19	1	BEVERAGE TABLE	--	--	--	--	1-1/2"	--	--	--	1.

REMARKS:
1. TO FS.
2. MAKE UP AIR UNIT.

KITCHEN AREA CONNECTION SCHEDULE

MARK	QTY	SERVICE	CW	HW	HW (140°)	SANITARY			GAS SIZE	BTUH	REMARKS
						DIRECT	INDIRECT	VENT			
21	1	JUICE DISPENSER	1/2"	--	--	--	--	--	--	--	1.
22	1	TEA BREWER	1/2"	--	--	--	--	--	--	--	1.
23	1	3-COMPARTMENT SINK	(2)1/2"	(2)1/2"	--	--	(3)1-1/2"	1-1/2"	--	--	1.
25	1	DISH MACHINE	1/2"	--	--	2"	--	--	--	--	1.
27	1	DISPOSER	1/2"	--	--	2"	--	--	--	--	1.
28	1	PRE-RINSE FAUCET ASSY.	1/2"	1/2"	--	--	--	--	--	--	1.
32.2	1	WALK-IN COOLER EVAPORATOR	--	--	--	--	3/4"	--	--	--	1.
32.4	1	WALK-IN FREEZER EVAPORATOR	--	--	--	--	3/4"	--	--	--	1.
35	1	ICE MACHINE, CUBE-STYLE	1/2"	--	--	--	3/8"	--	--	--	1.
35.1	1	ICE BIN	--	--	--	--	3/4"	--	--	--	1.
51	1	S/S WORKTABLE	1/2"	1/2"	--	--	--	1-1/2"	--	--	1.
64	1	MOP SINK	1/2"	1/2"	--	2"	--	1-1/2"	--	--	1.

GENERAL NOTES:

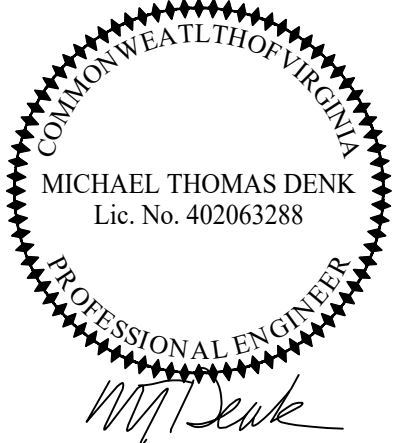
1. PROVIDE ASSE 1070 MIXING VALVE ON ALL HAND SINKS.
2. EXACT LOCATION OF FLOOR SINKS & DRAINS TO BE FIELD VERIFIED.
3. KITCHEN EQUIPMENT CONTRACTOR (KEC) SHALL FURNISH FAUCETS, BASKET WASTES, TWIST/LEVER WASTES, GAS HOSES, RESTRAINING CABLES, AND VACUUM BREAKER/SAFETY REGULATORS WITH THE NECESSARY COMPONENTS AND SUPPLY NIPPLES TO MAKE FINAL CONNECTIONS: INCLUDING THE INSTALLATION OF COMPONENTS NOT SHOWN OR SHIPPED LOOSE. REFER TO KEC DWGS. FOR FURTHER KITCHEN EQUIPMENT DETAILS.
4. PLUMBING CONTRACTOR SHALL VERIFY AND COORDINATE THE EXACT PLUMBING REQUIREMENTS FOR ALL NIC EQUIPMENT OUTSIDE THE KEC SCOPE PRIOR TO FINAL ROUGH-IN.
5. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL PRESSURE REDUCING VALVES, FLOW CONTROLS, BACK FLOW PREVENTION, RPZ (REDUCED PRESSURE ZONE) VALVES, WATER HAMMER ARRESTOR, GATE VALVES, FOR WATER CONNECTIONS AS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
6. PLUMBING CONTRACTOR SHALL PROVIDE ROUGH-INS, FIELD INTERCONNECTIONS (EXPOSED AND UNEXPOSED), AND FINAL CONNECTIONS TO ALL FOODSERVICE EQUIPMENT.

CODED NOTES:

- ① RUN 1/2" CW TO ICE MAKER & PROVIDE SHUT-OFF VALVE & DOUBLE CHECK BACK FLOW PREVENTER.
- ② PROVIDE POINT-OF-USE THERMOSTATIC MIXING VALVE ASSE 1070, LAWLER 516 OR AS APPROVED. TYPICAL ALL HAND SINKS.
- ③ RUN 1/2" CW TO COFFEE MAKER, JUICE & BEVERAGE DISPENSER, & PROVIDE SHUT-OFF VALVE & DOUBLE CHECK BACK FLOW PREVENTER.
- ④ 2" GAS LINE DOWN ALONG WALL AT 1'-0" AFF. RUN GAS MANIFOLD ALONG WALL. CONNECT GAS LINES TO APPLIANCES WITH QUICK CONNECT FITTINGS AND GAS COCK. REFER TO KITCHEN EQUIPMENT SCHEDULE FOR SIZES.
- ⑤ 3/4" HW & CW DOWN IN WALL. CONNECT 1/2" HW & CW TO HAND SINK AND 1/2" HW & CW DOWN THRU SLAB AND UNDER FLOOR TO STAINLESS STEEL SINK AT WORK TABLE.
- ⑥ FOR LOCATION OF EQUIPMENT ON ROOF SEE DRAWING P1.7.
- ⑦ SOLENOID GAS SHUT-OFF VALVE.

2026-08-03 - 1/4" = 1'-0"

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

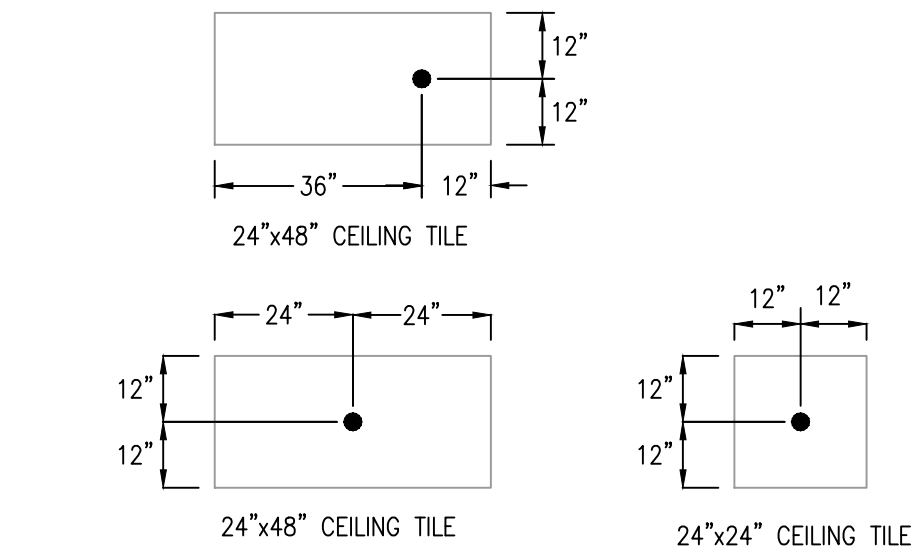
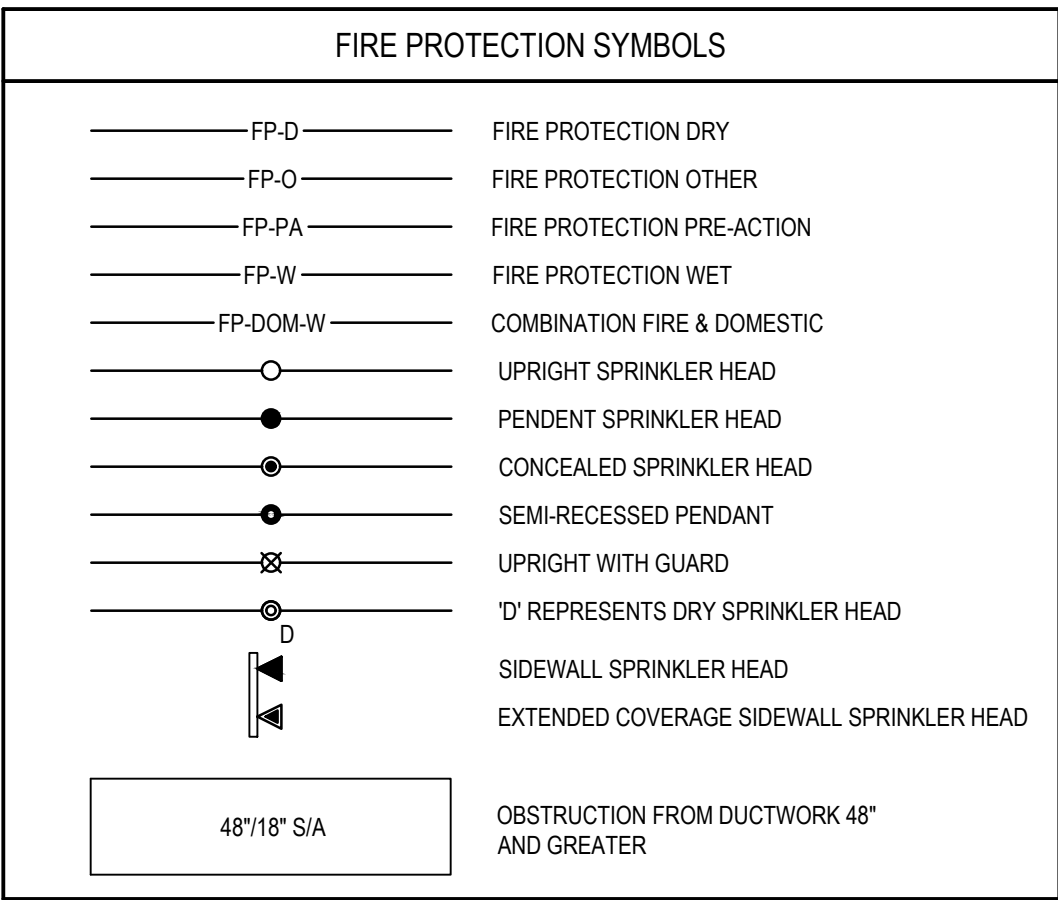


DRAWING NAME
ENLARGED
KITCHEN PIPING
PLAN

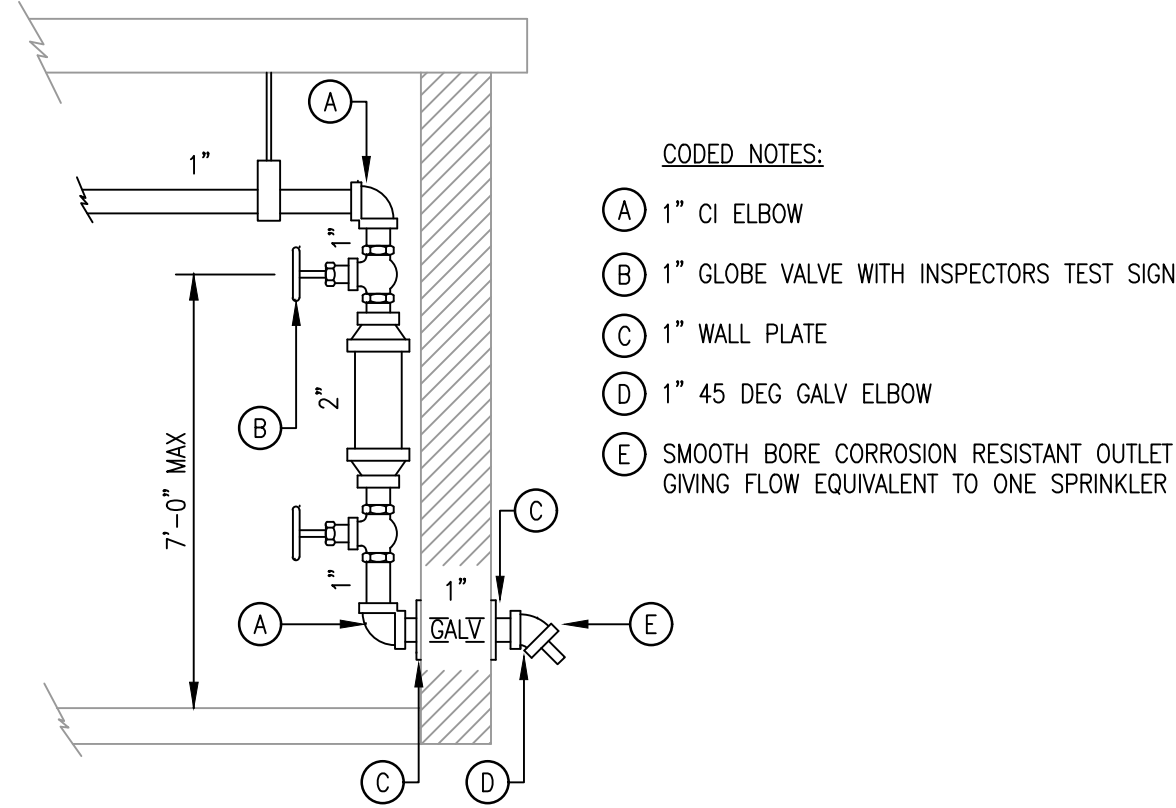
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P2.3

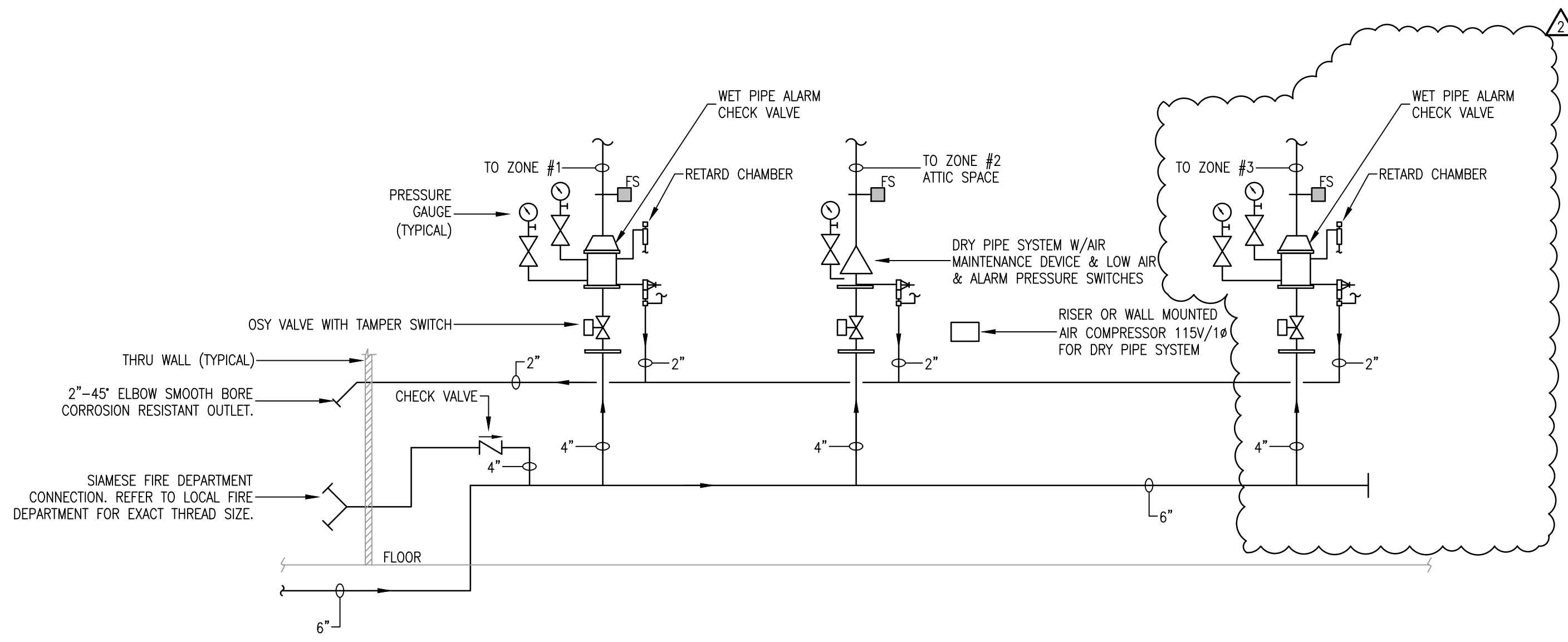
FIRE PROTECTION GENERAL NOTES	
GENERAL REQUIREMENTS	
1.	FIRE PROTECTION WORK SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, ORDINANCES, STANDARDS, AND AUTHORITIES HAVING JURISDICTION, INCLUDING THE VIRGINIA CONSTRUCTION CODE, VIRGINIA BUILDING AND FIRE CODE, NFPA STANDARDS, AND ALL OTHER APPLICABLE REQUIREMENTS.
2.	THE FIRE PROTECTION SYSTEM IS A DELEGATED DESIGN SYSTEM. FIRE PROTECTION DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE INTENDED TO ESTABLISH THE GENERAL SCOPE OF WORK, DESIGN INTENT, HAZARD CLASSIFICATIONS, AND PERFORMANCE REQUIREMENTS.
3.	THE FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE DESIGN, LAYOUT, HYDRAULIC CALCULATIONS, PERMITTING, FABRICATION, AND INSTALLATION OF THE FIRE PROTECTION SYSTEMS IN ACCORDANCE WITH APPLICABLE CODES, NFPA STANDARDS, THE CONTRACT DOCUMENTS, AND AUTHORITY HAVING JURISDICTION REQUIREMENTS.
4.	FIRE PROTECTION SHOP DRAWINGS, HYDRAULIC CALCULATIONS, AND SUPPORTING DOCUMENTATION SHALL BE PREPARED, SIGNED, AND SEALED AS REQUIRED BY APPLICABLE CODE AND AUTHORITY HAVING JURISDICTION REQUIREMENTS.
5.	INSTALL ALL FIRE PROTECTION EQUIPMENT, MATERIALS, AND APPURTENANCES IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN RECOMMENDATIONS AND INSTALLATION INSTRUCTIONS.
6.	VERIFY CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO FABRICATION, ORDERING, OR INSTALLATION OF PIPING, EQUIPMENT, AND APPURTENANCES. REPORT DISCREPANCIES TO THE ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
7.	COORDINATE ALL WORK WITH THE OWNER'S OPERATIONS AND CONSTRUCTION PHASING REQUIREMENTS. PERFORM WORK IN OCCUPIED OR OPERATIONAL AREAS ONLY AT TIMES APPROVED BY THE OWNER.
8.	PROVIDE ALL HANGERS, SUPPORTS, SEISMIC BRACING, OFFSETS, FITTINGS, FLEXIBLE CONNECTIONS, APPURTENANCES, AND ACCESSORIES REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM WHETHER OR NOT SPECIFICALLY INDICATED.
9.	COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL FIRE PROTECTION EQUIPMENT WITH THE ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS.
COORDINATION REQUIREMENTS	
10.	COORDINATE THE INSTALLATION OF ALL FIRE PROTECTION WORK WITH THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, CEILING, AND OTHER TRADES. PIPING ROUTING, SPRINKLER LOCATIONS, AND EQUIPMENT LOCATIONS ARE DIAGRAMMATIC UNLESS DIMENSIONED. PROVIDE REQUIRED OFFSETS AND COORDINATION FOR A COMPLETE INSTALLATION.
11.	DO NOT CUT, NOTCH, DRILL, OR OTHERWISE ALTER STRUCTURAL MEMBERS WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT/ENGINEER.
12.	COORDINATE SPRINKLER HEAD LOCATIONS WITH ARCHITECTURAL FEATURES, CEILING TYPES, LIGHTING, DIFFUSERS, SOFFITS, STRUCTURE, AND OTHER CEILING MOUNTED DEVICES PRIOR TO FABRICATION AND INSTALLATION.
13.	COORDINATE CEILING SPACE REQUIREMENTS AND ACCESS CLEARANCES FOR FIRE PROTECTION VALVES, INSPECTOR'S TEST CONNECTIONS, DRAINS, FIRE DEPARTMENT CONNECTIONS, BACKFLOW PREVENTERS, FIRE PUMPS, AND OTHER COMPONENTS REQUIRING SERVICE OR MAINTENANCE.
14.	COORDINATE FIRE DEPARTMENT CONNECTION LOCATIONS, RISER LOCATIONS, VALVE CABINETS, AND OTHER FIRE PROTECTION COMPONENTS WITH ARCHITECTURAL, CIVIL, STRUCTURAL, AND LANDSCAPE REQUIREMENTS PRIOR TO INSTALLATION.
15.	COORDINATE ALL REQUIRED PIPE ROUTING, ELEVATIONS, BRACING, AND CLEARANCES WITH OTHER BUILDING SYSTEMS PRIOR TO FABRICATION AND INSTALLATION.
INSTALLATION REQUIREMENTS	
16.	SEAL ALL PENETRATIONS THROUGH WALLS, FLOORS, ROOFS, AND RATED ASSEMBLIES CAUSED BY FIRE PROTECTION WORK. PROVIDE FIRESTOPPING SYSTEMS AT RATED CONSTRUCTION IN ACCORDANCE WITH CODE AND LISTED ASSEMBLY REQUIREMENTS.
17.	INSTALL FIRE PROTECTION PIPING WITH ADEQUATE CLEARANCE FROM OTHER BUILDING SYSTEMS AND WITH PROPER ALLOWANCES FOR EXPANSION, CONTRACTION, DEFLECTION, SEISMIC MOVEMENT, AND SUPPORT.
18.	INSTALL FIRE PROTECTION PIPING TRUE TO LINE AND GRADE WITH PROPER DRAINAGE AND WITHOUT EXCESSIVE SAGGING, DEFLECTION, OR OFFSET.
19.	PROVIDE ALL REQUIRED CONTROL, VALVES, CHECK VALVES, DRAINS, INSPECTOR'S TEST CONNECTIONS, FLEXIBLE COUPLINGS, ESCUTCHEONS, SLEEVES, AND ACCESSORIES REQUIRED BY CODE, NFPA STANDARDS, AND THE CONTRACT DOCUMENTS.
20.	INSTALL SPRINKLER HEADS IN ACCORDANCE WITH NFPA REQUIREMENTS FOR SPACING, LOCATION, OBSTRUCTIONS, AND HAZARD CLASSIFICATION.
21.	PROVIDE PIPE SUPPORTS, HANGERS, AND SEISMIC BRACING IN ACCORDANCE WITH NFPA REQUIREMENTS AND APPLICABLE BUILDING CODE REQUIREMENTS.
22.	MAINTAIN REQUIRED CLEARANCES AROUND ELECTRICAL EQUIPMENT, MECHANICAL EQUIPMENT, ACCESS PANELS, AND OTHER BUILDING COMPONENTS AS REQUIRED BY CODE.
23.	PROVIDE IDENTIFICATION SIGNS, VALVE TAGS, AND SYSTEM LABELING AS REQUIRED BY CODE, NFPA STANDARDS, AND PROJECT SPECIFICATIONS.
TESTING AND CLOSEOUT	
24.	TEST ALL FIRE PROTECTION SYSTEMS IN ACCORDANCE WITH NFPA STANDARDS, AUTHORITY HAVING JURISDICTION REQUIREMENTS, AND PROJECT SPECIFICATIONS. REPAIR LEAKS, DEFECTS, AND DEFICIENCIES AND RETEST UNTIL ACCEPTABLE RESULTS ARE OBTAINED.
25.	FLUSH, CLEAN, AND PLACE FIRE PROTECTION SYSTEMS IN OPERATION PRIOR TO SUBSTANTIAL COMPLETION.
26.	PROVIDE ALL REQUIRED HYDRAULIC CALCULATIONS, TEST CERTIFICATES, INSPECTION REPORTS, ABOVEGROUND AND UNDERGROUND MATERIAL TEST CERTIFICATES, VALVE SCHEDULES, RECORD DRAWINGS, AND CLOSEOUT DOCUMENTATION AS REQUIRED BY CODE, NFPA STANDARDS, AND PROJECT SPECIFICATIONS.
27.	PROVIDE OWNER TRAINING FOR SYSTEM OPERATION, VALVE LOCATIONS, INSPECTOR'S TEST CONNECTIONS, DRAINS, FIRE PUMP OPERATION, AND OTHER FIRE PROTECTION SYSTEM COMPONENTS AS APPLICABLE.
28.	FINAL FIRE PROTECTION SYSTEM DESIGN AND INSTALLATION SHALL BE SUBJECT TO REVIEW AND APPROVAL BY THE AUTHORITY HAVING JURISDICTION. REVIEW OF SHOP DRAWINGS OR CALCULATIONS BY THE ENGINEER DOES NOT RELIEVE THE FIRE PROTECTION CONTRACTOR OF RESPONSIBILITY FOR COMPLETE CODE COMPLIANCE AND SYSTEM PERFORMANCE.



1 SPRINKLER HEAD LOCATION DETAIL
Scale: NTS



2 INSPECTORS TEST CONNECTION
NTS



3 SPRINKLER RISER DIAGRAM
NTS

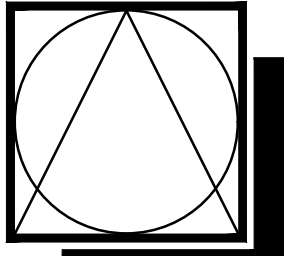
SECTION 21 0500 - COMMON WORK RESULTS FOR FIRE SUPPRESSION	
PART 1 - GENERAL	
SUMMARY	
1.01	A. This Section includes the following: 1. Piping materials and installation instructions common to most piping systems. 2. Mechanical sleeve seals. 3. Sleeves. 4. Escutcheons. 5. Fire-suppression demolition. 6. Supports and anchorages.
DEFINITIONS	
1.02	A. Finished Spaces: Spaces other than mechanical and electrical equipment rooms, furrowed spaces, pipe chases, unheated spaces immediately below roof, spaces above ceilings, unexcavated spaces, crawlspaces, and tunnels. B. Exposed, Interior Installations: Exposed to view indoors. Examples include finished occupied spaces and mechanical equipment rooms. C. Exposed, Exterior Installations: Exposed to view outdoors or subject to outdoor ambient temperatures and weather conditions. Examples include rooftop locations. D. Concealed, Interior Installations: Concealed from view and protected from physical contact by building occupants. Examples include above ceilings and in chases. E. Concealed, Exterior Installations: Concealed from view and protected from weather conditions and physical contact by building occupants but subject to outdoor ambient temperatures. Examples include installations within unheated shelters.
1.03 SUBMITTALS	
A. Welding certificates.	
1.04 QUALITY ASSURANCE	
A. Steel Support Welding: Qualify processes and operators according to AWS D1.1, "Structural Welding Code—Steel." B. Steel Pipe Welding: Qualify processes and operators according to ASME Boiler and Pressure Vessel Code: Section IX, "Welding and Brazing Qualifications." 1. Comply with provisions in ASME B31 Series, "Code for Pressure Piping." 2. Certify that each welder has passed AWS qualification tests for welding processes involved and that certification is current. C. Electrical Characteristics for Fire-Suppression Equipment: Equipment of higher electrical characteristics may be furnished provided such proposed equipment is approved in writing and connecting electrical services, circuit breakers, and conduit sizes are appropriately modified. If minimum energy ratings or efficiencies are specified, equipment shall comply with requirements.	
PART 2 - PRODUCTS	
2.01 PIPE, TUBE, AND FITTINGS	
A. Refer to individual Division 21 piping Sections for pipe, tube, and fitting materials and joining methods. B. Pipe Threads: ASME B1.20.1 for factory-threaded pipe and pipe fittings.	
2.02 JOINING MATERIALS	
A. Refer to individual Division 21 piping Sections for special joining materials not listed below. B. Pipe-Flange Gasket Materials: ASME B16.21, nonmetallic, flat, asbestos-free, 1/8-inch maximum thickness unless thickness or specific material is indicated. C. Solder Filler Metals: ASTM B 32, lead-free alloys. Include water-flushable flux according to ASTM B 813. D. Brazing Filler Metals: AWS A5.8, BCuP Series or BAu1, unless otherwise indicated. E. Welding Filler Metals: Comply with AWS D10.12.	
2.03 MECHANICAL SLEEVE SEALS	
A. Description: Modular sealing element unit, designed for field assembly, to fill annular space between pipe and sleeve. B. Sealing Elements: EPDM interlocking links shaped to fit surface of pipe. Include type and number required for pipe material and size of pipe. C. Pressure Plates: Carbon steel. Include two for each sealing element. D. Connecting Bolts and Nuts: Carbon steel with corrosion-resistant coating of length required to secure pressure plates to sealing elements. Include one for each sealing element.	
2.04 SLEEVES	
A. Galvanized-Steel Sheet: 0.0239-inch minimum thickness; round tube closed with welded longitudinal joint. B. Steel Pipe: ASTM A 53, Type E, Grade B, Schedule 40, galvanized, plain ends. C. Cast Iron: Cast or fabricated "wall pipe" equivalent to ductile-iron pressure pipe, with plain ends and integral waterstop, unless otherwise indicated. D. Stack Sleeve Fittings: Manufactured, cast-iron sleeve with integral clamping flange. Include clamping ring and bolts and nuts for membrane flashing. 1. Underdeck Clamp: Clamping ring with set screws.	
2.05 ESCUTCHEONS	
A. Description: Manufactured wall and ceiling escutcheons and floor plates, with an ID to closely fit around pipe, tube, and insulation of insulated piping and an OD that completely covers opening. B. One-Piece, Deep-Pattern Type: Deep-drawn, box-shaped brass with polished chrome-plated finish. C. One-Piece, Cast-Brass Type: With set screw. 1. Finish: Polished chrome-plated and rough brass. D. Split-Casting, Cast-Brass Type: With concealed hinge and set screw. 1. Finish: Polished chrome-plated and rough brass.	
PART 3 - EXECUTION	
3.01 FIRE-SUPPRESSION DEMOLITION	
A. Refer to Division 01 Section "Cutting and Patching" and Division 02 Section "Selective Structure Demolition" for general demolition requirements and procedures. B. Disconnect, demolish, and remove fire-suppression systems, equipment, and components indicated to be removed. 1. Piping to Be Removed: Remove portion of piping indicated to be removed and cap or plug remaining piping with same or compatible piping material. 2. Piping to Be Abandoned in Place: Drain piping and cap or plug piping with same or compatible piping material. 3. Equipment to Be Removed: Disconnect and cap services and remove equipment. 4. Equipment to Be Removed and Reinstalled: Disconnect and cap services and remove, clean, and store equipment; when appropriate, reinstall, reconnect, and make equipment operational. 5. Equipment to Be Removed and Salvaged: Disconnect and cap services and remove equipment and deliver to Owner. C. If pipe, insulation, or equipment to remain is damaged in appearance or is unserviceable, remove damaged or unserviceable portions and replace with new products of equal capacity and quality. D. PIPING SYSTEMS - COMMON REQUIREMENTS E. Install piping according to the following requirements and Division 21 Sections specifying piping systems. F. Drawing plans, schematics, and diagrams indicate general location and arrangement of piping systems. Indicated locations and arrangements were used to size pipe and calculate friction loss, expansion, pump sizing, and other design considerations. Install piping as indicated unless deviations to layout are approved on Coordination Drawings. G. Install piping in concealed locations, unless otherwise indicated and except in equipment rooms and service areas. H. Install piping indicated to be exposed and piping in equipment rooms and service areas at right angles or parallel to building walls. Diagonal runs are prohibited unless specifically indicated otherwise. I. Install piping above accessible ceilings to allow sufficient space for ceiling panel removal. J. Install piping to permit valve servicing. K. Install piping at indicated slopes. L. Install piping free of sags and bends. M. Install fittings for changes in direction and branch connections. N. Install piping to allow application of insulation. O. Select system components with pressure rating equal to or greater than system operating pressure. P. Install escutcheons for penetrations of walls, ceilings, and floors. Q. Install sleeves for pipes passing through concrete and masonry walls, gypsum-board partitions, and concrete floor and roof slabs. R. Fire-Barrier Penetrations: Maintain indicated fire rating of walls, partitions, ceilings, and floors at pipe penetrations. Seal pipe penetrations with firestop materials. Refer to Division 07 Section "Penetration Firestopping" for materials. S. Verify final equipment locations for roughing-in. T. Refer to equipment specifications in other Sections of these Specifications for roughing-in requirements.	
3.02 PIPING JOINT CONSTRUCTION	
A. Join pipe and fittings according to the following requirements and Division 21 Sections specifying piping systems. B. Ream ends of pipes and tubes and remove burrs. Bevel plain ends of steel pipe. C. Remove scale, slag, dirt, and debris from inside and outside of pipe and fittings before assembly. D. Soldered Joints: Apply ASTM B 813, water-flushable flux, unless otherwise indicated, to tube end. Construct joints according to ASTM B 828 or CDA's "Copper Tube Handbook," using lead-free solder alloy complying with ASTM B 32. E. Brazed Joints: Construct joints according to AWS's "Brazing Handbook," "Pipe and Tube" Chapter, using copper-phosphorus brazing filler metal complying with AWS A5.8. F. Threaded Joints: Thread pipe with tapered pipe threads according to ASME B1.20.1. Cut threads full and clean using sharp dies. Ream threaded pipe ends to remove burrs and restore full ID. Join pipe fittings and valves as follows: 1. Apply appropriate tape or thread compound to external pipe threads unless dry seal threading is specified. G. Damaged Threads: Do not use pipe or pipe fittings with threads that are corroded or damaged. Do not use pipe sections that have cracked or open welds. H. Welded Joints: Construct joints according to AWS D10.12, using qualified processes and welding operators according to Part 1 "Quality Assurance" Article. I. Flanged Joints: Select appropriate gasket material, size, type, and thickness for service application. Install gasket concentrically positioned. Use suitable lubricants on bolt threads.	
3.04 ERECTION OF METAL SUPPORTS AND ANCHORAGES	
A. Refer to Division 05 Section "Metal Fabrications" for structural steel. B. Cut, fit, and place miscellaneous metal supports accurately in location, alignment, and elevation to support and anchor fire-suppression materials and equipment. C. Field Welding: Comply with AWS D1.1.	
3.05 ERECTION OF WOOD SUPPORTS AND ANCHORAGES	
A. Cut, fit, and place wood grounds, nailers, blocking, and anchorages to support, and anchor fire-suppression materials and equipment. B. Select fastener sizes that will not penetrate members if opposite side will be exposed to view or will receive finish materials. Tighten connections between members. Install fasteners without splitting wood members. C. Attach to substrates as required to support applied loads.	
END OF SECTION	

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DATE:
PERMIT SUBMISSION: 06.19.26
ADDENDUM #2: 08.04.26

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

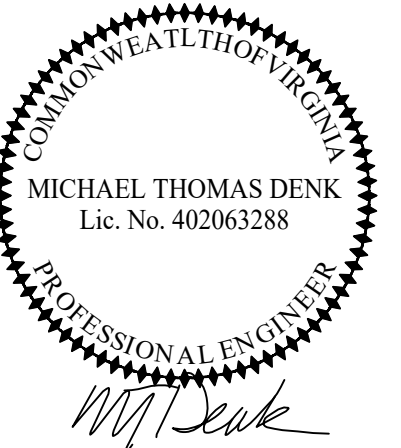
DRAWING NAME
FIRE PROTECTION
LEGEND AND
NOTES
DAI PROJECT NO.
26032
FP0.1



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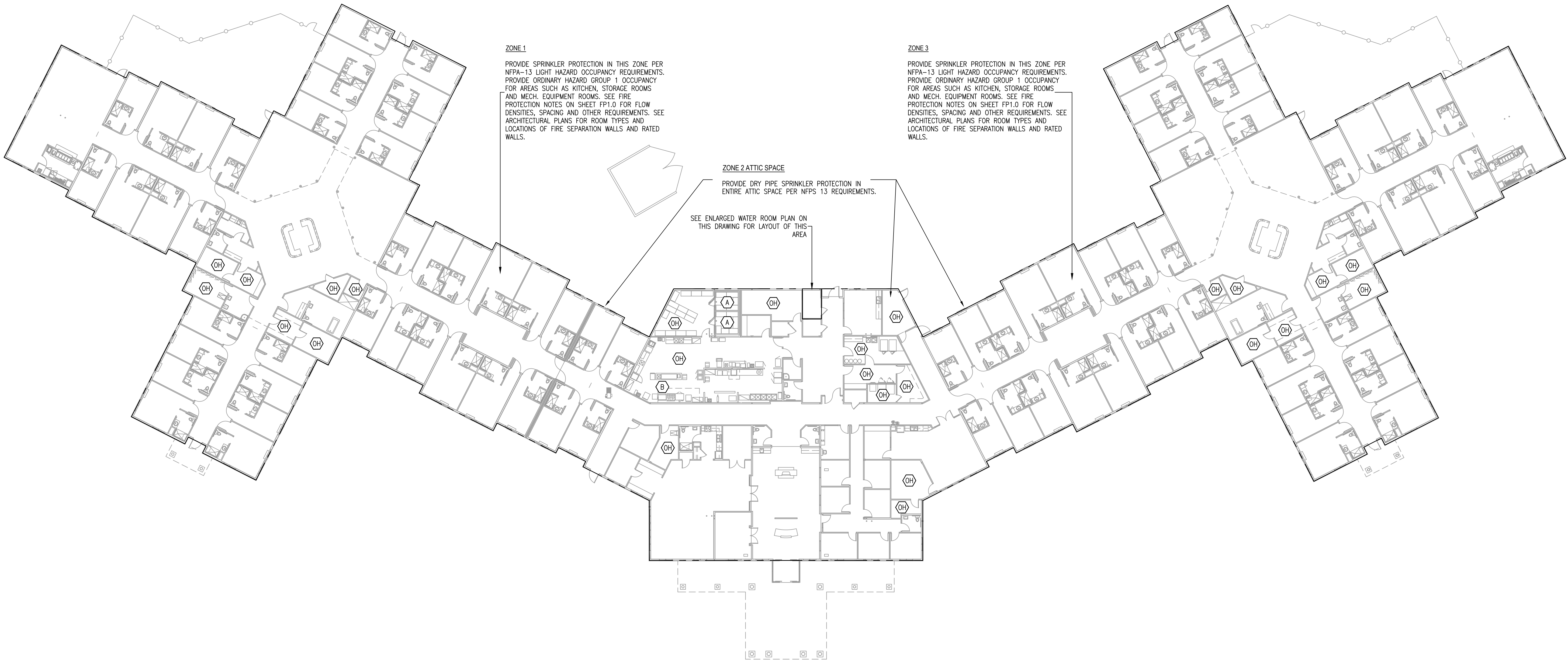
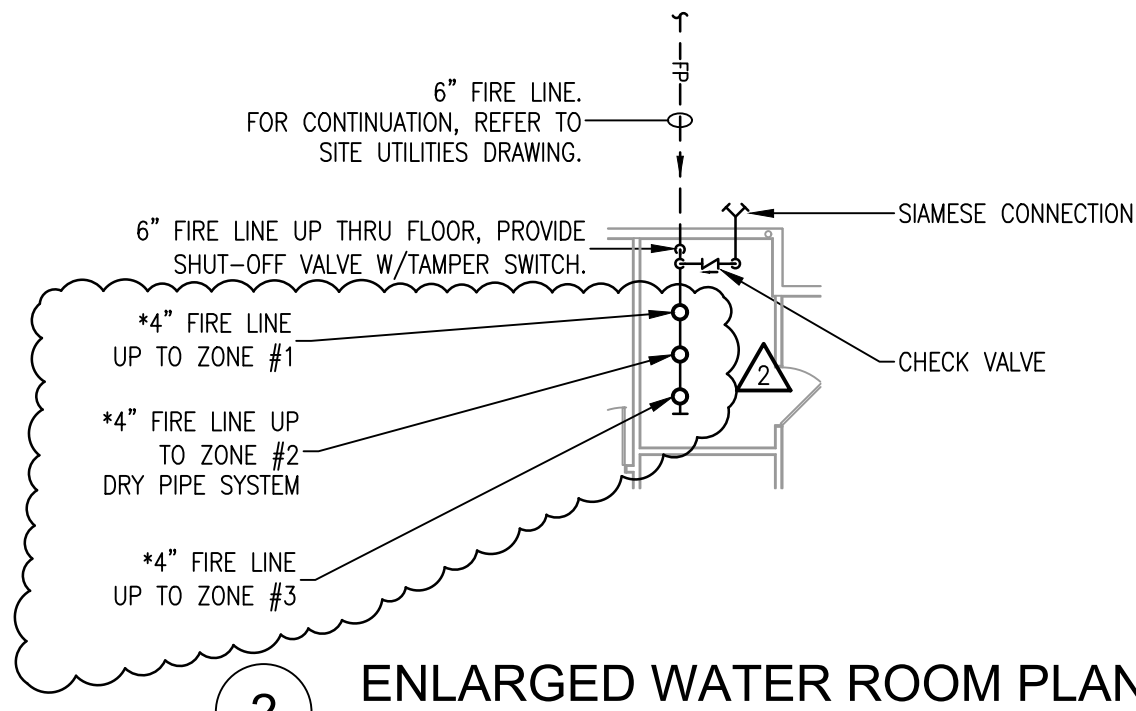
BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1915 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA



DRAWING NAME
FIRE PROTECTION
PLAN

DAI PROJECT NO.
26032

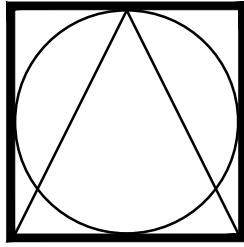
FP1.1



1 FIRE PROTECTION FLOOR PLAN
Scale: 1"=20'-0"

CODED NOTES:

- (A) PROVIDE SPRINKLER COVERAGE WITHIN WALK-IN COOLER AND FREEZER AS REQUIRED.
- (B) TYPE I COMMERCIAL HOOD WITH FIRE SUPPRESSION SYSTEM. SYSTEM PROVIDED WITH HOOD.
- (OH) TYPICAL ORDINARY HAZARD COVERAGE AREA. PROVIDE COVERAGE AND DENSITY AS APPROPRIATE.



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ROOFTOP UNIT SCHEDULE

MARK	SERVICE	UNIT					OUTSIDE AIR	SUPPLY FAN				COOLING					HEAT EXCHANGER	CONTROL TYPE	HEATING					ELECTRICAL			MANUFACTURER MODEL	WEIGHT (LBS)	REMARKS		
		NOMINAL TONS	EFFICIENCY (SEER2)	ECONOMIZER	HOT GAS REHEAT	CONFIGURATION		AIR FLOW (CFM)	ESP (IN WC)	TSP (IN WC)	MOTOR (HP)	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	TOTAL (MBH)			SENSIBLE (MBH)	STAGES	MAX INPUT (MBH)	MAX OUTPUT (MBH)	MIN OUTPUT (MBH)	EAT DB (°F)	LAT DB (°F)	VOLTAGE				MCA	MOC
RTU-1	PHYSICAL THERAPY	5	13.40	REFERENCE ENTHALPY	YES	DOWN DISCHARGE	320	1,600	0.75	1.13	1	78.63	66.67	56.44	54.93	60.24	41.43	STD INDIRECT	STAGED	2	80	64.8	--	57.1	94.23	208V/3Ø	33	45	TRANE YSK060A3	849	1-6
RTU-2	LOBBY	5	13.40	REFERENCE ENTHALPY	YES	DOWN DISCHARGE	270	1,600	0.75	1.13	1	77.81	66.19	55.79	54.31	60.35	41.17	STD INDIRECT	STAGED	2	80	64.8	--	60.5	97.58	208V/3Ø	33	45	TRANE YSK060A3	849	1-6
RTU-3	OFFICES/ACTIVITY	5	13.40	REFERENCE ENTHALPY	YES	DOWN DISCHARGE	310	1,600	0.75	1.13	1	78.52	66.58	56.34	54.83	60.16	41.41	STD INDIRECT	STAGED	2	80	64.8	--	59.7	96.83	208V/3Ø	33	45	TRANE YSK060A3	849	1-6
RTU-4	KITCHEN, LAUNDRY	6	14.60 (IEER)	REFERENCE ENTHALPY	YES	DOWN DISCHARGE	520	2,200	0.75	0.95	3	79.17	67.17	56.34	55.29	83.24	57.64	STD INDIRECT	STAGED	2	80	64.8	--	57.1	83.99	208V/3Ø	38	50	TRANE YSK072A3	1,202	1-6
RTU-5	SOUTH DINING	4	13.40	REFERENCE ENTHALPY	YES	DOWN DISCHARGE	328	1,400	0.75	1.05	1	81	68.15	59.56	57.38	49.92	34.77	STD INDIRECT	STAGED	2	80	64.8	--	55	97.68	208V/3Ø	31	45	TRANE YSK048A3	821	1-6
RTU-6	NORTH DINING	4	13.40	REFERENCE ENTHALPY	YES	DOWN DISCHARGE	361	1,400	0.75	1.05	1	80.9	68.05	59.47	57.28	49.82	34.77	STD INDIRECT	STAGED	2	80	64.8	--	55	97.67	208V/3Ø	31	45	TRANE YSK048A3	821	1-6

- REMARKS:
- MULTI-SPEED, DIRECT DRIVE FAN.
 - RETURN AIR SMOKE DETECTOR.
 - FACTORY INSTALLED NON-FUSED DISCONNECT SWITCH.
 - POWERED 15A CONVENIENCE OUTLET.
 - SEACOAST CONDENSER COIL PROTECTION.
 - 14" HIGH INSULATED CURB.

NOTE: TRANE MAKE & MODEL NUMBER NOTED IN SCHEDULE.
AAON, CARRIER, JOHNSON CONTROLS, MCQUAY OR AS
APPROVED.

DEDICATED OUTSIDE AIR SYSTEM SCHEDULE

MARK	LOCATION	SERVICE	CFM	MIN OA	ESP	SUPPLY FAN			HEAT EXCHANGER					DIRECT EXPANSION COIL								MANUFACTURER MODEL	WEIGHT (LBS)	REMARKS
									AIR TEMP		DRY BULB (°F)		CAPACITY	RATED	EAT (°F)		LAT (°F)		CAPACITY		REHEAT			
						HP	MCA / MOC	VOL/PH	ENTERING	LEAVING	INPUT	OUTPUT			TURNDOWN	DRY BULB	WET BULB	DRY BULB	WET BULB	TOTAL	SENSIBLE			
DOAS-1	SOUTH WING ROOF	OUTSIDE AIR	800	800	0.75	3/4	28.7 / 45	208V/3Ø	19.7	89.9	75 MBH	60.8 MBH	12:1	88.9	79.1	54.1	53.7	69.4 MBH	28.7 MBH	94.2	33.7 MBH	GREENHECK RV-20-5-1	1,157	1-3
DOAS-2	NORTH WING ROOF	OUTSIDE AIR	800	800	0.75	3/4	28.7 / 45	208V/3Ø	19.7	89.9	75 MBH	60.8 MBH	12:1	88.9	79.1	54.1	53.7	69.4 MBH	28.7 MBH	94.2	33.7 MBH	GREENHECK RV-20-5-1	1,157	1-3

- REMARKS:
- MERV 8 SUPPLY AIR FILTERS.
 - END INTAKE, SIDE DISCHARGE.
 - OUTDOOR AIR DAMPER.

FURNACE AND CONDENSING UNIT SCHEDULE

MARK	SERVICE	INDOOR														OUTDOOR						REMARKS
		FAN				COOLING			HEATING		ELECTRICAL			MANUFACTURER MODEL	MARK	ELECTRICAL			MANUFACTURER MODEL			
		CFM	OA	ESP	HP	TOTAL	SENSIBLE	SEER2	INPUT	OUTPUT	EFFICIENCY	VOLTAGE	MCA			MOC	VOLTAGE	MCA		MOC		
F-1	SOUTH WING NURSE/LOUNGE	1,700	381	0.75	1	52,497 BTUH	39,077 BTUH	13.40	80,000 BTUH	50,440 BTUH 77,600 BTUH	95%	120V/1Ø	14A	15A	TRANE S9X2C080U5PSB + STXC007A53	CU-1	208V/1Ø	30A	50A	TRANE 5TTR3060A1	1-3	
F-2	SOUTH WING OFFICE/SPA/STOR.	1,100	177	0.75	1/2	32,181 BTUH	23,912 BTUH	14.30	40,000 BTUH	25,220 BTUH 38,000 BTUH	95%	120V/1Ø	9A	15A	TRANE S9X2B040U3PSB + STXC8004A53	CU-2	208V/1Ø	18A	30A	TRANE 5TTR4036A1	1-3	
F-3	NORTH WING NURSE/LOUNGE	1,700	381	0.75	1	52,497 BTUH	39,077 BTUH	13.40	80,000 BTUH	50,440 BTUH 77,600 BTUH	95%	120V/1Ø	14A	15A	TRANE S9X2C080U5PSB + STXC007A53	CU-3	208V/1Ø	30A	50A	TRANE 5TTR3060A1	1-3	
F-4	NORTH WING OFFICE/SPA/STOR.	1,100	177	0.75	1/2	32,181 BTUH	23,912 BTUH	14.30	40,000 BTUH	25,220 BTUH 38,000 BTUH	95%	120V/1Ø	9A	15A	TRANE S9X2B040U3PSB + STXC8004A53	CU-4	208V/1Ø	18A	30A	TRANE 5TTR4036A1	1-3	

- REMARKS:
- CONCENTRIC VENT TERMINATION KIT.
 - 2 STAGE HEATING.
 - PROVIDE 1" FILTER RACK WITH MERV 8 FILTER.

NOTE: EQUIVALENT UNITS BY APPROVED MANUFACTURERS.

EXHAUST FAN SCHEDULE - GENERAL

MARK	SERVICE	FAN					ELECTRICAL					MANUFACTURER MODEL	REMARKS
		AIRFLOW CFM	ESP IN WC	RPM	SIZE HP	TYPE	FEI	VOLTAGE PHASE	FLA A	MCA A	MOC		
EF-1	PRIVATE ROOM, UTIL, LAV, SPA (SOUTH WING)	1,155	0.57	1,013	1/2	DD EC	--	120V/1Ø	6.6	8.2	15	GREENHECK G-140-VG	1, 3, 4, 7
EF-2	PRIVATE, SEMI-PRIVATE ROOMS (SOUTH WING)	640	0.62	1,291	1/4	DD EC	--	120V/1Ø	3.8	4.8	15	GREENHECK G-100-VG	1, 3, 4, 7
EF-3	MENS, WOMENS, LAV, BATH, JAN (CENTRAL WING)	650	0.62	1,299	1/4	DD EC	--	120V/1Ø	3.8	4.8	15	GREENHECK G-100-VG	2, 4, 7
EF-4	RESERVED	--	--	--	--	--	--	--	--	--	--	--	--
EF-5	PRIVATE, SEMI-PRIVATE ROOMS (NORTH WING)	640	0.62	1,291	1/4	DD EC	--	120V/1Ø	3.8	4.8	15	GREENHECK G-100-VG	1, 3, 4, 7
EF-6	PRIVATE ROOM, UTIL, LAV, SPA (NORTH WING)	1,100	0.57	998	1/2	DD EC	--	120V/1Ø	6.6	8.2	15	GREENHECK G-140-VG	1, 3, 4, 7
EF-7	IT CLOSET (SOUTH WING)	150	0.25	916	FRAC	DD EC	--	120V/1Ø	1.5	1.9	15	GREENHECK SP-A390-VG	4, 5, 8, 9
EF-8	IT CLOSET (NORTH WING)	150	0.25	916	FRAC	DD EC	--	120V/1Ø	1.5	1.9	15	GREENHECK SP-A390-VG	4, 5, 8, 9
EF-9	C46 HAZ (CENTRAL WING)	75	0.29	950	FRAC	DD EC	--	120V/1Ø	0.19	0.2	15	GREENHECK SP-A110	4, 5, 9-10
EF-10	C49 OXYGEN (CENTRAL WING)	75	0.29	950	FRAC	DD EC	--	120V/1Ø	0.19	0.2	15	GREENHECK SP-A110	4, 5, 9-10

- REMARKS:
- PREFAB. ROOF CURB FOR PITCHED ROOF.
 - PREFAB. ROOF CURB FOR FLAT ROOF.
 - GRAVITY DAMPER.
 - DISCONNECT SWITCH.
 - SPRING LOADED BACKDRAFT DAMPER
 - LIGHT SWITCH CONTROL.
 - PROGRAMMABLE TIME CLOCK OPERATION.
 - OPERATE FROM WALL THERMOSTAT.
 - CEILING GRILLE.
 - CONTINUOUS OPERATION.

GRILLE, REGISTER AND DIFFUSER SCHEDULE

MARK	MANUFACTURER MODEL	DESCRIPTION	DAMPER NUMBER	FRAME/ BORDER	MODULE SIZE	PATTERN	FINISH	REMARKS
A	PRICE SPD	SQUARE FLAT PLAQUE DIFFUSER	VCR7 OBD	LAY-IN	24 X 24	4 - WAY	WHITE	1
B	PRICE 520	LOUVERED SUPPLY GRILLE	VCS3 OBD	GYP BRD	AS NOTED	DOUBLE DEFLECTION	WHITE	--
C	PRICE 530	FIXED, LOUVERED RETURN GRILLE	VCS3 OBD	LAY-IN	AS NOTED	SINGLE DEFLECTION	WHITE	2
E1	PRICE 530	FIXED, LOUVERED EXHAUST GRILLE	VCS3 OBD	LAY-IN	AS NOTED	3/4", FIXED 45 DEFLECTION	WHITE	3-4
E2	PRICE 530	FIXED, LOUVERED EXHAUST GRILLE	VCS3 OBD	GYP BRD	AS NOTED	3/4", FIXED 45 DEFLECTION	WHITE	3-4

- SAMPLE REMARKS:
- MODEL SPF, STEEL PLASTER FRAME, WHITE FINISH, IF LOCATED IN GYPSUM BOARD.
 - MODEL LS, LIGHT SHIELD, BLACK FINISH AT RETURN AIR PLENUMS.
 - MODEL SR, SQUARE TO ROUND ADAPTER, BLACK INTERIOR.
 - PROVIDE GREENHECK ABD, SET TO SCHEDULED CFM. SEE DETAIL.

ELECTRIC DUCT HEATER SCHEDULE

MARK	AREA SERVED	CFM	DUCT SIZE	KW	VOLTAGE	MANUFACTURER MODEL	REMARKS
EDH-1	CONFERENCE & LOBBY (CENTRAL WING)	400	10/10	2	208 1Ø	INDEECO QUA	1-6
EDH-2	ACTIVITY & OFFICES (CENTRAL WING)	780	10/10	3.5	208 1Ø	INDEECO QUA	1-6

- REMARKS:
- OPEN COIL, SLIP-IN.
 - THERMAL CUT-OUTS.
 - AIRFLOW SWITCH.
 - CONTACTORS, FUSES, CONTROL CIRCUIT, TRANSFORMER.
 - BUILT IN SNAP ACTING DOOR.
 - INTERLOCKED DISCONNECT SWITCH & CONTROL PANEL.

NOTE: EQUIVALENT BY BRASCH, CHROMOLOX, OR AS APPROVED.

ELECTRIC HEATER SCHEDULE

MARK	AREA SERVED	TYPE	KW	VOLTAGE PHASE	MANUFACTURER MODEL	REMARKS
EH-1	CORRIDOR S04 (SOUTH WING)	WALL (FAN FORCED)	3	208V 1Ø	MARKEL 3326	1-3
EH-2	CORRIDOR S12 (SOUTH WING)	WALL (FAN FORCED)	3	208V 1Ø	MARKEL 3326	1-3
EH-3	CORRIDOR N03 (NORTH WING)	WALL (FAN FORCED)	3	208V 1Ø	MARKEL 3326	1-3
EH-4	CORRIDOR N12 (NORTH WING)	WALL (FAN FORCED)	3	208V 1Ø	MARKEL 3326	1-3
EH-5	VEST. C01 (CENTRAL WING)	CEILING	4	208V 3Ø	MARKEL 3470 SERIES MODEL J3474	1-2, 4
RP-1	SPA CEILING	RADIANT CEILING	0.675	208V 1Ø	INDEECO AS2448-675-208	5-7

ELECTRICAL SYMBOL LEGEND

	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
	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.
\$o	SWITCH – SINGLE POLE – LOWER CASE LETTER "o" INDICATES THIS SWITCH TO CONTROL LIGHT FIXTURES DESIGNATED WITH LOWER CASE "o".
\$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.
↓o	WALL BOX DIMMER 0–10 VOLTS WITH SWITCH, MOUNTED 48" A.F.F. – LOWER CASE LETTER "o" INDICATED THIS SWITCH TO CONTROL LIGHT FIXTURES DESIGNATED WITH LOWER CASE "o".
CS o	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR o – INDICATES FIXTURE CONTROL
CP o	LINE VOLTAGE POWER PACK, WIRE ALL RELATED SENSORS TO POWER PACK FOR ROOM LIGHTING CONTROL
TP	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
ⓁH	DOUBLE DUPLEX (QUADPLEX) RECEPTACLE, HOSPITAL GRADE
Ⓛ	DUPLEX RECEPTACLE – FLOOR MOUNTED
RECEPTACLES OR COVERPLATES FOR THE CRITICAL/EMERGENCY BRANCH SHALL HAVE A DISTINCTIVE COLOR OR MARKING SO AS TO BE READILY IDENTIFIABLE AND AND SHALL ALSO INDICATE THE PANELBOARD AND BRANCH-CIRCUIT NUMBER SUPPLYING THEM	
M	THE LIGHTING FIXTURE TYPE IS INDICATED BY AN UPPER CASE LETTER.
Qc	SURFACE LIGHT FIXTURE – WALL MOUNTED TYPE "c"
●	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
Ⓛ	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

☐	FIRE ALARM PULL STATION – AT 48" A.F.F., SEMI-FLUSH MOUNT
☐☐	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
☐☐	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 ☐☐☐	FIRE ALARM SPRINKLER SYSTEM TAMPER SWITCH/FLOW SWITCH
☐☐	PHOTOELECTRONIC, 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.
☐☐	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.
☐☐	GAS VALVE, FURNISHED & INSTALLED BY PLUMBING CONTRACTOR, CONNECTED TO KITCHEN HOOT CONTROL SYSTEM AND FIRE ALARM SYSTEM BY ELECTRICAL CONTRACTOR.
☐☐	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.
☐☐	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.
☐☐	ELECTRIC STRIKE, PROVIDED BY OTHERS. PROVIDE ROUGH-INS AS REQUIRED AND 1/2" C STUBBED ABOVE CEILING & TERMINATE WITH INSULATE BUSHING.
14F	TELECOMMUNICATION MAIN GROUNDING BAR, HARGER GBI SERIES. INSTALL IN MDF AND IDF LOCATIONS.
☐H	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.
▶	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
☐Y	WIRELESS ACCESS POINT, INSTALL (1) BLUE DATA CABLE ABOVE CEILING. SEE NOTES ON THIS SHEET.
☐S	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
☐M	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

- 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.
- 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.
- ALL CABLING SHALL BE PLENUM RATED AND INSTALLED IN ACCORDANCE WITH APPLICABLE CODES, AUTHORITY HAVING JURISDICTION REQUIREMENTS, AND MANUFACTURER'S RECOMMENDATIONS.
- 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.
- 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

- 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.
- 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.
- ALL CABLING SHALL BE PLENUM RATED AND INSTALLED IN ACCORDANCE WITH APPLICABLE CODES, AUTHORITY HAVING JURISDICTION REQUIREMENTS, TIA/EIA STANDARDS, AND MANUFACTURER'S RECOMMENDATIONS.
- 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

- 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.
- ALL RELATED EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY OWNER'S PREFERRED INSTALLER, UNDER CONTRACT WITH THE ELECTRICAL CONTRACTOR.

CABLE TV SYSTEM NOTES

- 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.
- SYSTEM AND COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE NEC, AUTHORITY HAVING JURISDICTION, SERVICE PROVIDER REQUIREMENTS, AND MANUFACTURER'S RECOMMENDATIONS.
- EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY OTHERS UNDER A SEPARATE CONTRACT WITH THE OWNER.
- 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.
- PROVIDE STANDARD 4 INCH SQUARE EXTRA DEEP BOX WITH SINGLE GANG PLASTER RING AT EACH CABLE TV LOCATION.
- 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

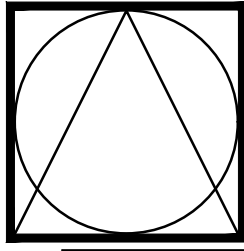
- THE ACCESS CONTROL AND DOOR SECURITY SYSTEM SHALL BE PROVIDED AS A DELEGATED DESIGN BY THE INSTALLING CONTRACTOR/VENDOR. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE DESIGN, COORDINATION, OPERATION, AND PERFORMANCE OF THE SYSTEM AND SHALL PROVIDE ALL CONTROL PANELS, POWER SUPPLIES, DOOR CONTACTS, 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.
- SYSTEM AND COMPONENTS INSTALLED PER VBC AND AS APPROVED BY AUTHORITY HAVING JURISDICTION AND MANUFACTURER'S DRAWINGS.
- ALL WIRING AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY OTHERS UNDER A SEPARATE CONTRACT WITH THE OWNER.
- 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.
- PROVIDE STANDARD 4 INCH SQUARE, EXTRA DEEP BOX WITH SINGLE GANG PLASTER RING AT EACH KEY PAD LOCATION.
- ALL DOOR LOCKS SHALL RELEASE UPON ACTIVATION OF THE FIRE ALARM SYSTEM.

GENERAL TECHNOLOGY NOTES

- PROVIDE PLENUM RATED RG6 QUAD SHIELD CABLE AND PLENUM RATED CAT6 (MINIMUM) SHALL BE BELDEN, BERK-TECK, GENERAL, HUBBELL, MOHAWK, SIEMENS, OR SUPERIOR ESSEX.
- 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.
- 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.
- 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

- 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.
- NURSE CALL SYSTEM SHALL BE A TEKTRON 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.
- ALL NURSE CALL SYSTEM EQUIPMENT, DEVICES, CABLING, AND ASSOCIATED WIRING SHALL BE FURNISHED, INSTALLED, PROGRAMMED, TESTED, AND COMMISSIONED BY THE ELECTRICAL CONTRACTOR.
- 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.
- 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.
- 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.
- CONTRACTOR SHALL COORDINATE SYSTEM REQUIREMENTS, DEVICE LOCATIONS, PROGRAMMING, AND COMMISSIONING REQUIREMENTS WITH THE OWNER'S PREFERRED VENDOR/INSTALLER PRIOR TO PROCUREMENT AND ROUGH-IN.
- PROVIDE COMPLETE SYSTEM TESTING, OWNER TRAINING, AND MANUFACTURER'S WARRANTY DOCUMENTATION PRIOR TO PROJECT CLOSEOUT.



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DATE:
PERMIT SUBMISSION: 06.19.26
ADDENDUM #2: 08.04.26

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



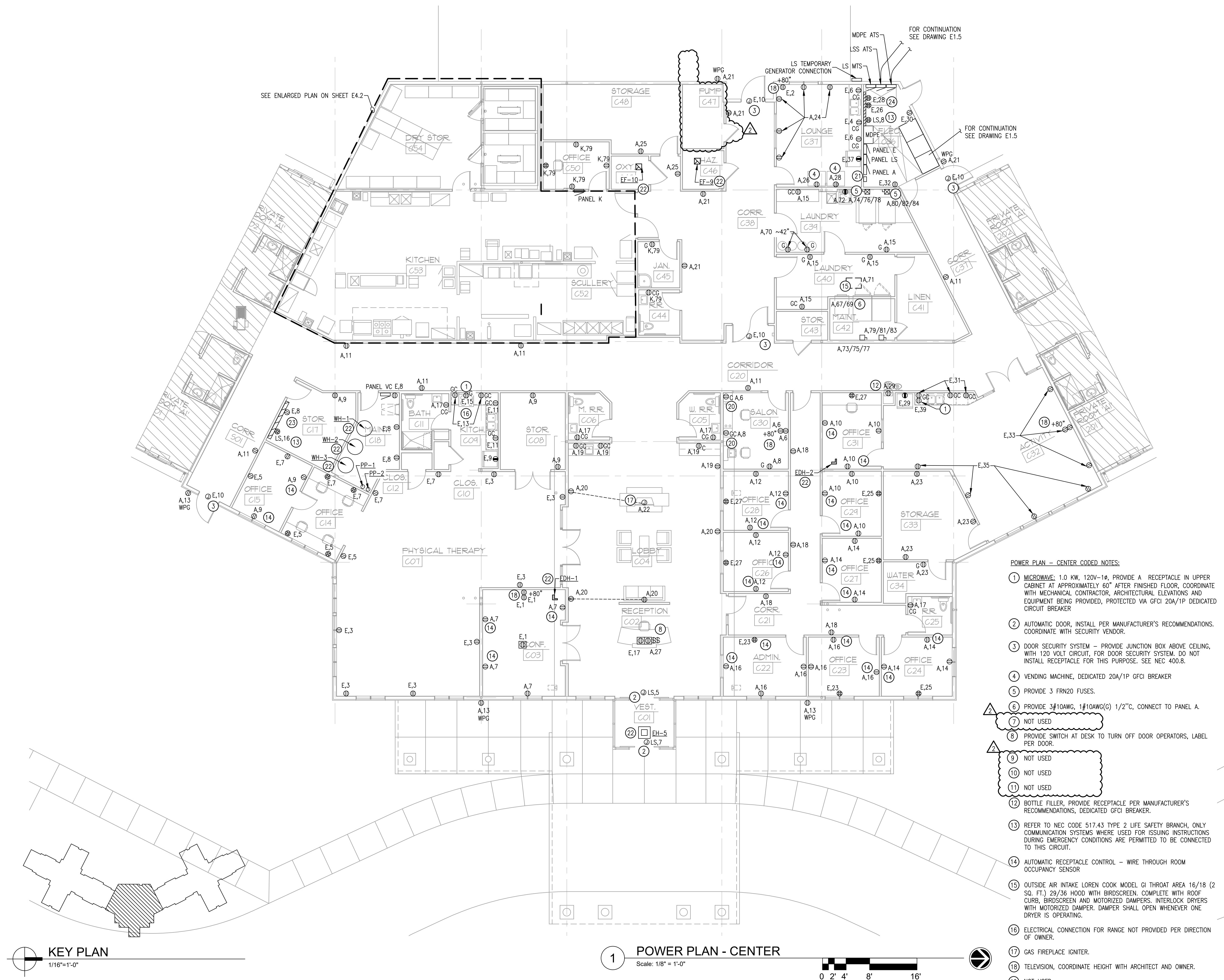
DRAWING NAME
ELECTRICAL
LEGENDS
AND NOTES

DAI PROJECT NO.
26032

E0.1

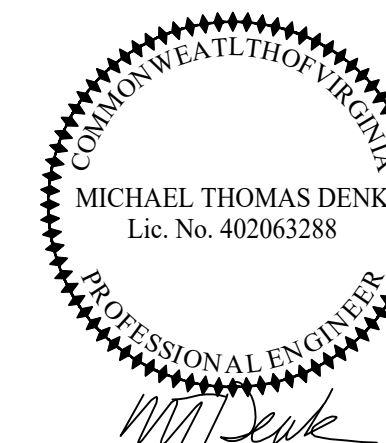


DATE:
PERMIT SUBMISSION
06.19.2
2 ADDENDUM #2:
08.04.2



2026 09 03 1/8" - 1' 0"

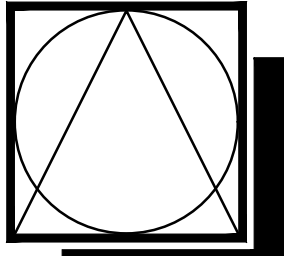
BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
93/1915 BRIDGE ROAD (HIGHWAY 17)



DRAWING NAME
POWER PLANT
- CENTER

DAI PROJECT NO.
26032

E1.2



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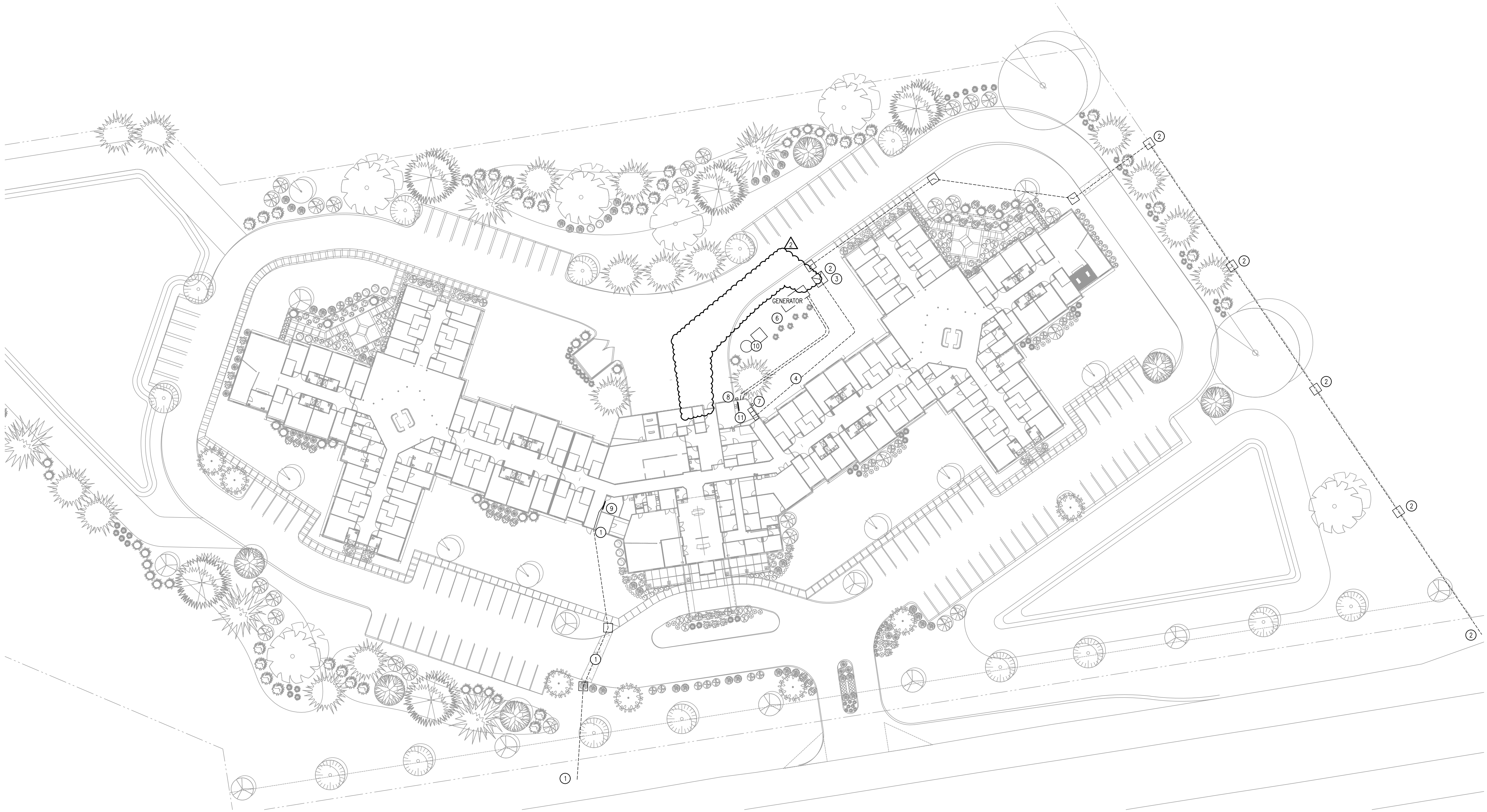
BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1915 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA



DRAWING NAME
ELECTRICAL
SITE PLAN

DAI PROJECT NO.
26032

E1.5



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. ALONG SAME PATH AS WATER AND FORCE SEWER MAIN, MAINTAIN 7' DISTANCE FROM WATER AND FORCE SEWER MAIN WHEN RUNNING PARALLEL, REFER TO CIVIL DRAWINGS.
- 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 NOT USED, FIRE PUMP ELIMINATED.
- 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.
- 7 STAND-BY GENERATOR, RHELKO MODEL 350RE0ZJD 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 E0.1 FOR GENERATOR SPECIFICATIONS.

GENERATOR ACCESSORIES -- Provide all accessories required for a suitable installation including:

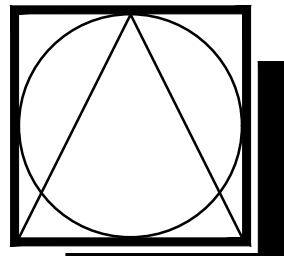
- a. Alternator
- b. Controller
- c. Instrument Panel
- d. Circuit Breakers, refer to power distribution diagram
- e. Engine Block Heater
- f. Sub-base fuel tank sized for 48 hour operation at full load.
- g. Sound attenuated weather housing -- Level 2
- h. Battery rack and battery cables
- i. Batteries
- j. Battery charger
- k. Costal Rated
- l. High Wind Rated
- m. Critical engine exhaust silencer mounted inside weather housing
- n. (2) Remote Annunciator Panels -- one at each nurse's station
- o. 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 AND 17KW OF LS. PROVIDE DIESEL GENERATOR CAPABLE OF 350 KW.
6. MAINTAIN 7' OF CLEARANCE BETWEEN ELECTRICAL AND WATER / FORCED SEWER MAIN.



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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

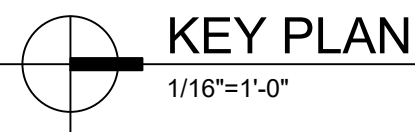
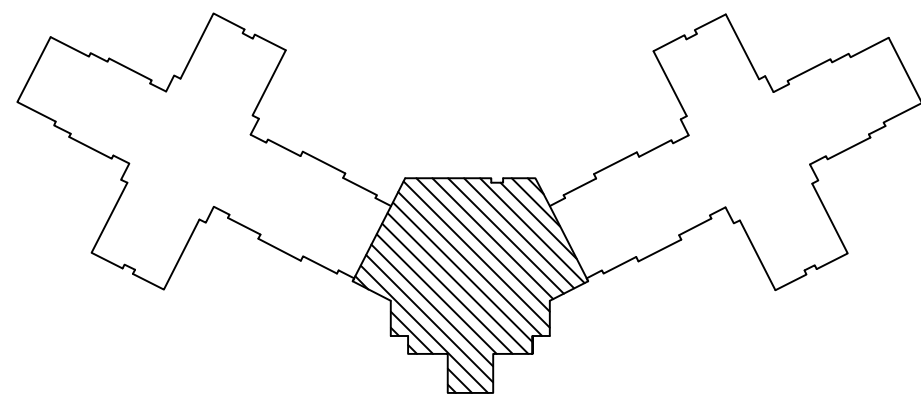
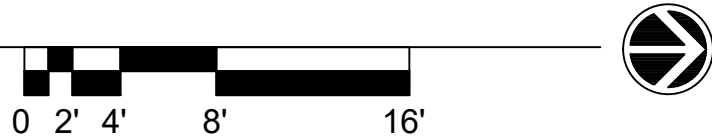
FIRE ALARM CONTRACTOR SHALL INCLUDE, IN THIS BID, TESTING NECESSARY TO VERIFY IF A BDA (BI-DIRECTIONAL ANTENNAE) SYSTEM WILL BE REQUIRED FOR THE BUILDING. TESTING SHALL BE DONE AFTER WINDOWS ARE INSTALLED AND DRYWALL IS SUBSTANTIALLY COMPLETE. FURNISH TEST REPORT THAT CAN BE SUBMITTED FOR CITY/FIRE DEPARTMENT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

SYSTEMS PLAN - CENTER CODED NOTES:

- 1 IN SHARED FLOOR BOX WITH POWER RECEPTACLE, REFER TO POWER PLAN.
- 2 COORDINATE QUANTITY OF TAMPER & FLOW SWITCHES WITH FIRE PROTECTION DESIGNER & CONTRACTOR
- 3 VERIFY EXTERIOR DEVICES WITH LOCAL AHJ.

1 SYSTEMS PLAN - CENTER

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



KEY PLAN

1/16" = 1'-0"

2026-08-05 - 1/8" = 1'-0"

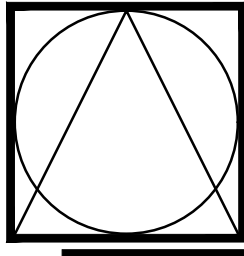
BENNETT'S CREEK
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1931/1915 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA



DRAWING NAME
SYSTEM
PLAN
CENTER

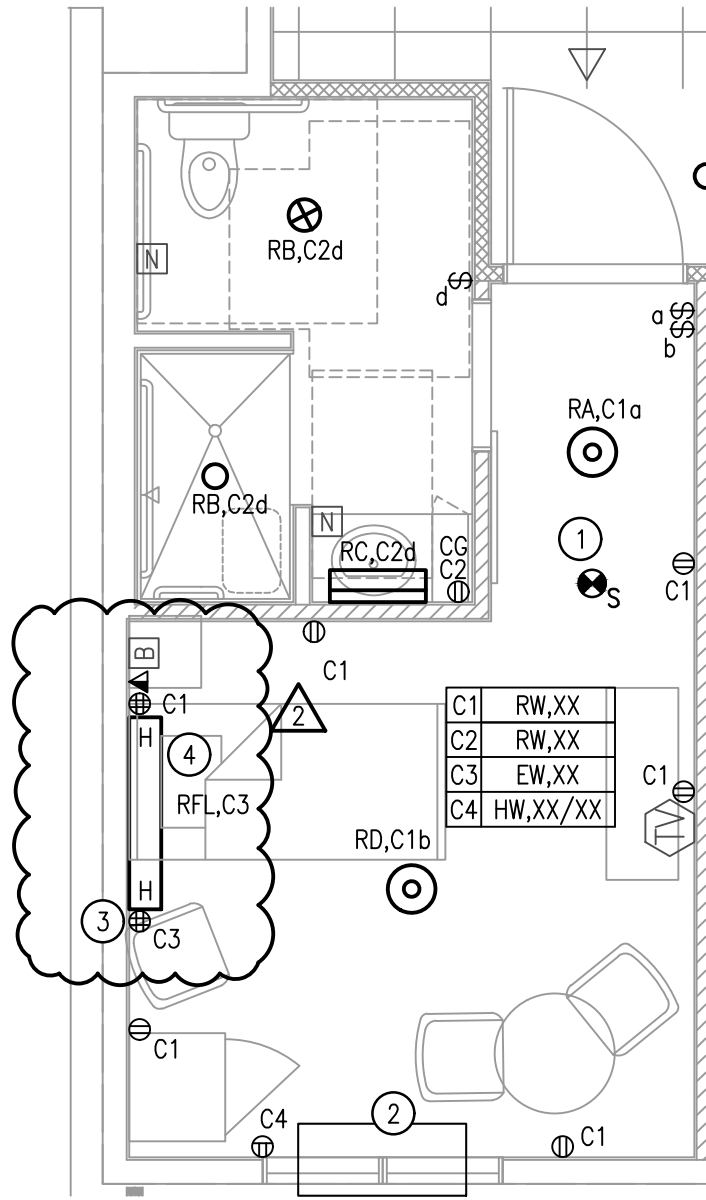
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E3.2

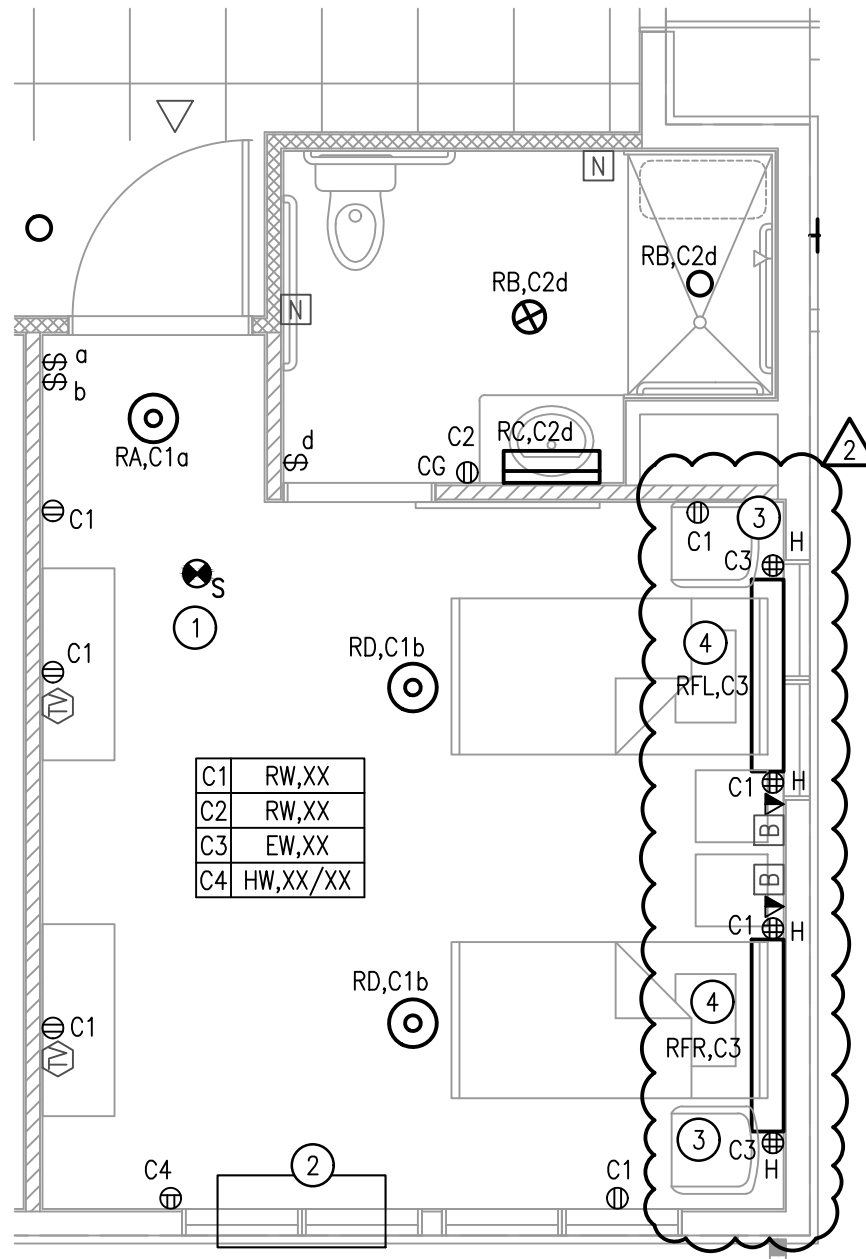


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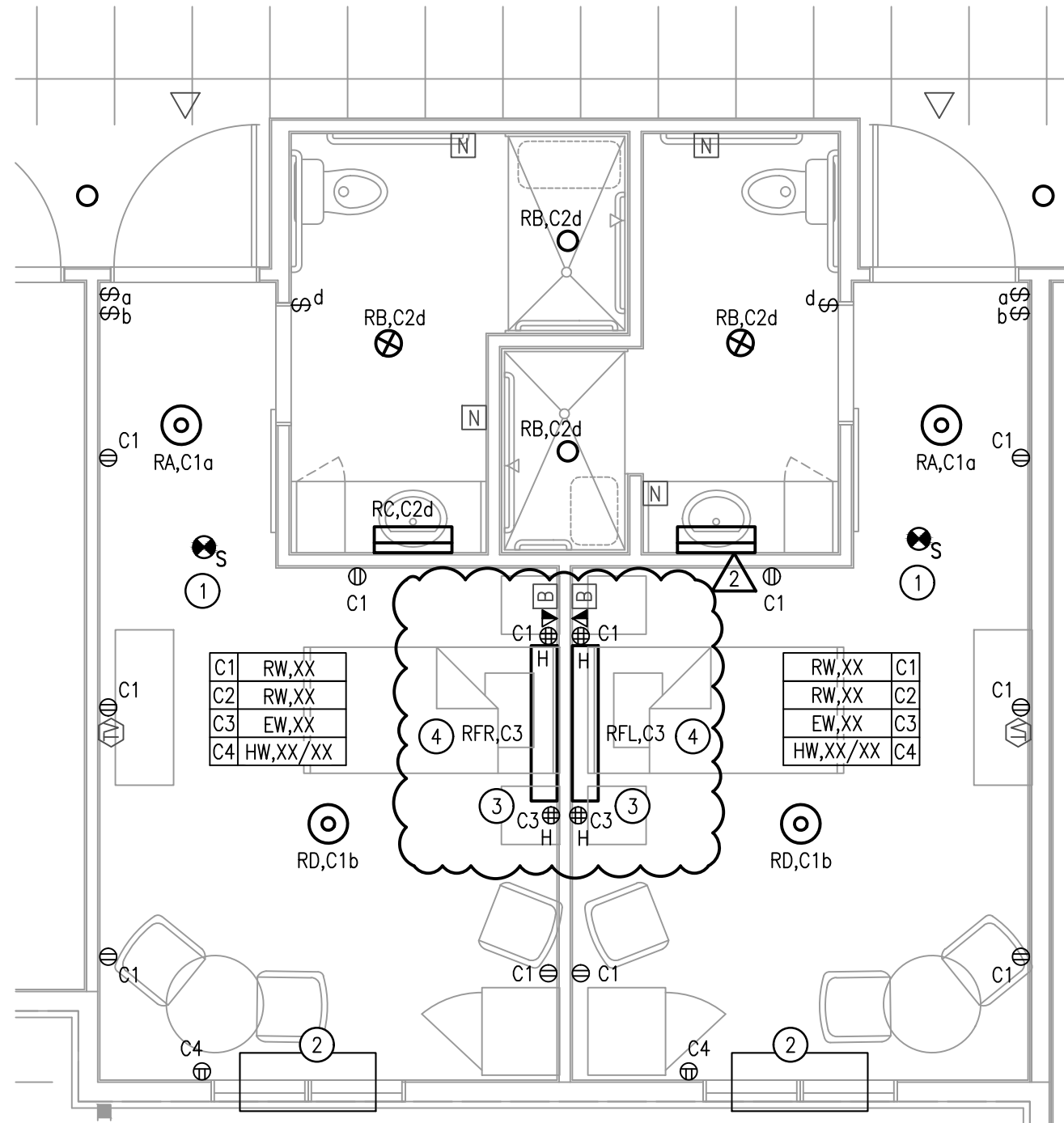
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1 PRIVATE ROOM 'A1' & 'A2' ELECTRICAL PLAN
Scale: 1/4"=1'-0"



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 SMX14RLSFS02W 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 SMX6RLSFS02W 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 FMVCLLS 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 SMX18RLSFS02W 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 L23U635 L230835 AF125 PS2_/120 OR EQUAL

LIGHTING FIXTURE SCHEDULE NOTES:

- THE E.C. SHALL COORDINATE ALL COLORS, FINISHES, LENGTHS, ETC. OF FIXTURES WITH THE ARCHITECT AND ACTUAL FIELD CONDITIONS PRIOR TO PLACING PURCHASE ORDER.
- 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:

- ALL RECEPTACLES TO BE TAMPER RESISTANT.
- C1 & C3 TO BE ARC FAULT PROTECTED.
- NEC CODE MINIMUM REQUIRES PATIENT BED QUAD RECEPTACLES TO BE HOSPITAL GRADE. VERIFY HOSPITAL GRADE RECEPTACLE REQUIREMENT WITH LOCAL LICENSING AGENCIES.

ROOM ELECTRICAL PLAN CODED NOTES:

- 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.
- REFER TO HVAC SCHEDULE, DRAWING NUMBER E6.2 FOR ELECTRICAL REQUIREMENTS.
- RECEPTACLE CONNECTS TO EQUIPMENT BRANCH OF ALTERNATE POWER SOURCE (GENERATOR) POWER PANEL - REFER TO POWER PLANS FOR CIRCUITS IN RESIDENCE ROOMS.
- VERIFY AND COORDINATE FIXTURE SWITCH POSITION WITH OWNER/NURSING STAFF.

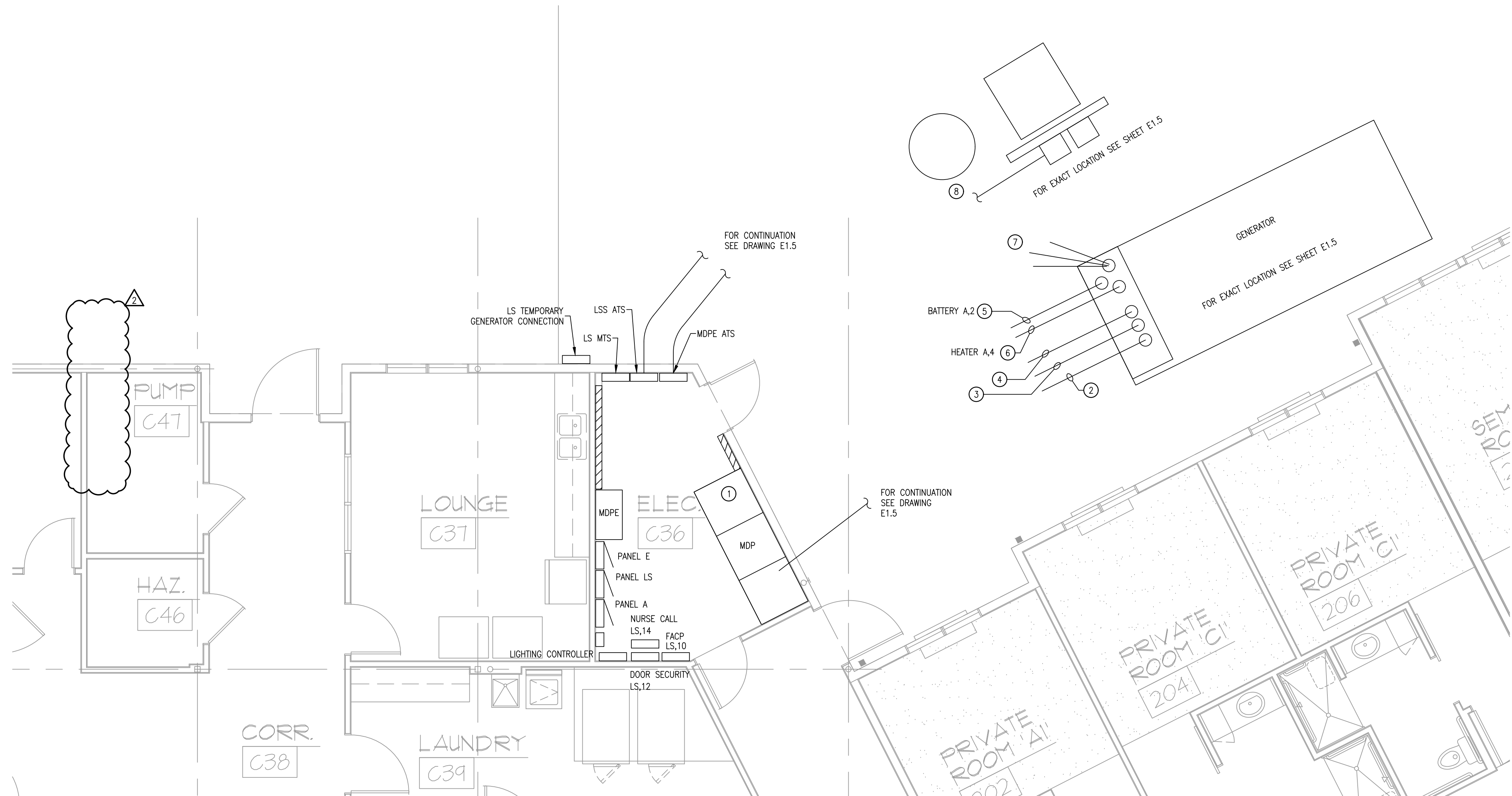
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HEALTH & REHABILITATION CENTER
1931/1915 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA



DRAWING NAME
PRIVATE / SEMI-PRIVATE ROOMS
ELECTRICAL
PLAN
DAI PROJECT NO. 26032

E4.1

2026-09-05 - 1/4" = 1'-0"



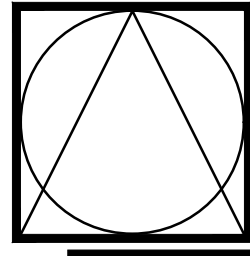
2 ENLARGED ELECTRICAL ROOM
Scale: 1/4" = 1'-0"

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.



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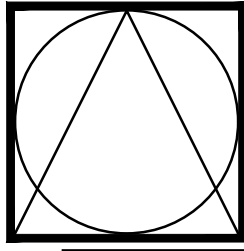
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DRAWING NAME
ENLARGED
ELECTRICAL
ROOM

DAI PROJECT NO.
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E4.4



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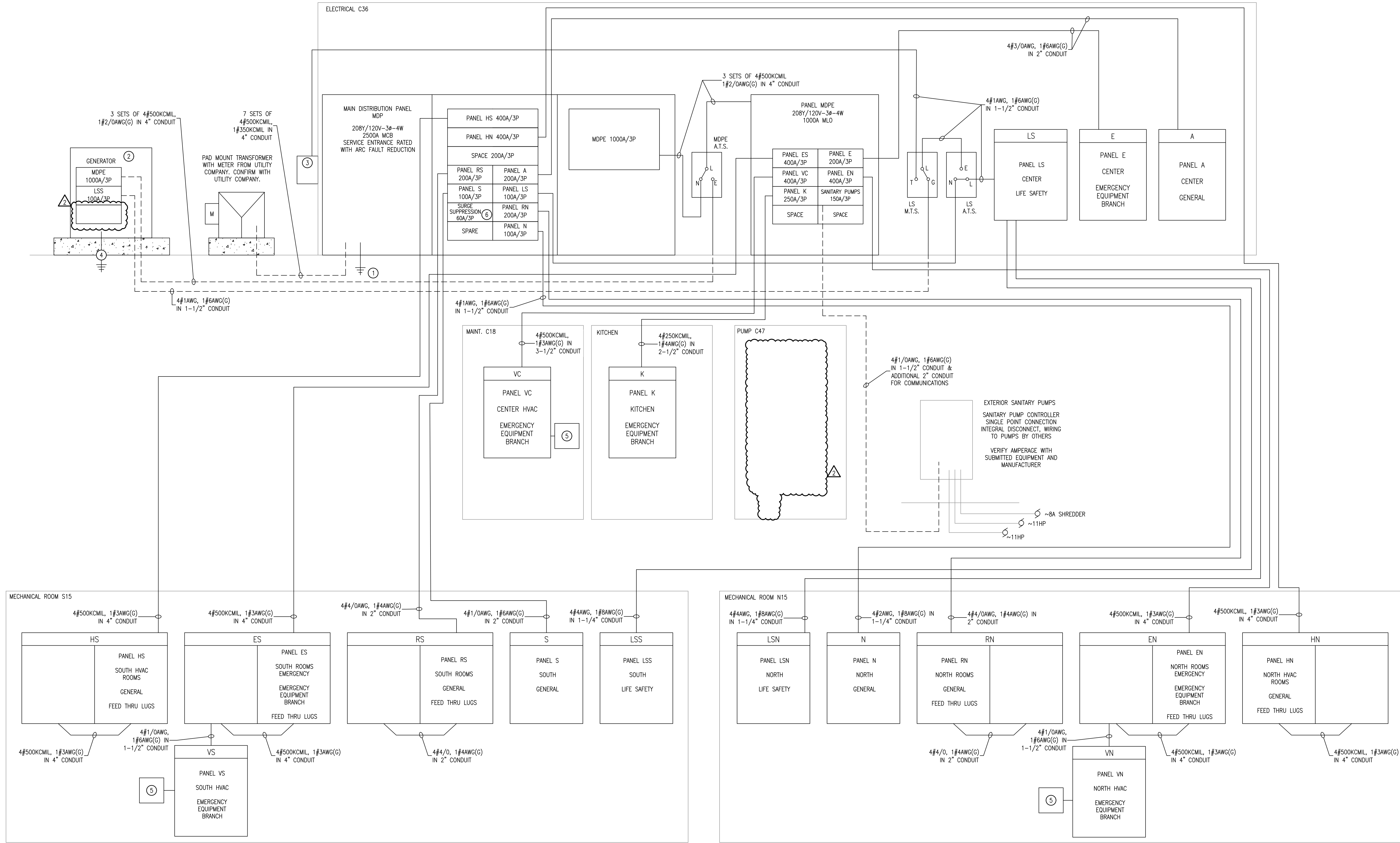
BENNETT'S CREEK
HEALTH & REHABILITATION CENTER
1931/1915 BRIDGE ROAD (HIGHWAY 17)
SUFFOLK, VIRGINIA



DRAWING NAME

POWER
DISTRIBUTION
DIAGRAM
DAI PROJECT NO.
26032

E5.1



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

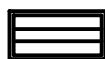
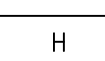
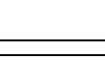
ALL SWITCHBOARDS, SWITCHGEAR, AND PANELBOARDS SUPPLIED BY FEEDER(S) SHALL BE PERMANENTLY MARKED TO INDICATE EACH DEVICE OR EQUIPMENT WHERE THE POWER ORIGINATES.

POWER RISER DIAGRAM

SCALE: NO SCALE

POWER DISTRIBUTION DIAGRAM CODED NOTES:

- SEE GROUNDING DETAIL ON SHEET E0.5
- GENERATOR - REFER TO E1.5 FOR DETAILS.
- 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.
- GENERATOR PAD AND GROUNDING DETAILS - REFER TO E0.5.
- TIMECLOCK, REFER TO PLAN FOR DETAILS.
- PROVIDE SURGE SUPPRESSION WITH MDP, COORDINATE WITH SWITCHGEAR MANUFACTURER, TYPE 1 OR TYPE 2 ACCEPTABLE. INSTALL PER NEC AND MANUFACTURER'S RECOMMENDATIONS.

LIGHTING FIXTURE SCHEDULE						
TYPE	LUMINAIRE			DESCRIPTION	MOUNTING	CATALOG NO.
	LAMP	DIMMING	WATTAGE			
A 	LED 35/4/5000K 33/44/500LM 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 OBT 24 A LSCS EDD OR EQUAL
B 	LED 35/4/5000K 37/50/800L 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 32/37/500LM 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 ORW4-A-LSCS OR EQUAL
F 	LED 27/3/35/4/5K 3500LM 120V	0-10V 1%	50W	WALL MOUNTED 4' VANITY	WALL ABOVE MIRROR	SATCO NUVO 62-1872
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%	750W	~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	OTL 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:

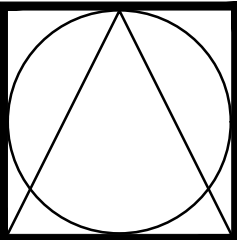
1. THE E.C. SHALL COORDINATE ALL COLORS, FINISHES, LENGTHS, ETC. OF FIXTURES WITH THE ARCHITECT AND ACTUAL FIELD CONDITIONS PRIOR TO PLACING PURCHASE ORDER.
2. THE E.C. SHALL COORDINATE ALL TRIMS OF LIGHT FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS, EXISTING CONDITIONS, ETC. AND INCLUDE APPROPRIATE 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.



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



DRAWING NAME
LIGHTING
FIXTURE
SCHEDULE

DAI PROJECT NO.
26032

E6.1