Update to Bid Documents – May 20, 2025

SPECIFICATION ITEMS:

1. 00 01 10 – Table of Contents
    a. ADD specification section with 07 13 00
    b. REVISE date section 08 71 00
2. 07 13 00 – Sheet Waterproofing
    a. ISSUE specification section
3. 08 71 00 – Door Hardware
    a. REISSUE specification section
4. 10 22 23 – Wire Mesh Partitions
    a. REVISE specification section 2.2.A.1.

DRAWING ITEMS:

5. Sheet GI001
    a. Update to sheet index
6. Sheet GC110
    a. Update room 106B
    b. REVISE Detail 4
7. Sheet GC500
    a. REVISE ideal plan – remove supply and return and cap at main duct.
8. Sheet 48-AD111
    a. OMIT keyed notes 20 and 22 at rooms. Keyed note 20 to remain at Rooms 103 and 104. Keyed note 22 to apply at room 106B.
    b. REVISE keyed note 20
    c. REVISE keyed note 22
    d. REVISE keyed note 23
    e. REVISE keyed note 24
9. Sheet 51-AD111
    a. REVISE drawing 1 - keyed note 20 shall apply to all spaces not hatched.
    b. REVISE drawing 1 – (7) overhead lifts identified for removal and salvage.
    c. REVISE keyed note 20
    d. REVISE keyed note 22
    e. REVISE keyed note 23
    f. REVISE keyed note 24
10. Sheet 51-AE110 – Sheet not reissued
    a. OMIT accessible note
11. Sheet 51-AE111
    a. REVISE keyed note 8
    b. REVISE drawing 1 – showing interior windows at bath 127C
    c. REVISE drawing 1 – showing floor slop at bath 127C
12. Sheet 51-AE112
    a. REVISE keyed note 8
    b. REVISE drawing 1 – east partition medication room 107
13. Sheet AE550
    a. REVISE drawing 13
14. Sheet AE601
    a. ADD partition B6 detail
    b. ADD grab bar detail 1
    c. ADD grab bar detail 2
15. Sheet AE602
    a. REVISE door schedule – door 51-127D
    b. REVISE door schedule – door 51-127E
    c. REVISE door schedule – door 51-128

d. REVISE door schedule – door 51-C1NE

16. Sheet 48-AF110
    a. REVISE floor finish at 103A
    b. REVISE floor finish at 103B
    c. REVISE floor finish at 104
17. Sheet 51-AF110
    a. REVISE floor finish at toilet rooms
    b. REVISE floor finish at soiled utility
18. Sheet AF600
    a. ADD paint and resilient base wall finish at 48-106B
    b. REVISE finish schedule floor finish at 48-103A
    c. REVISE finish schedule floor finish at 48-103B
    d. REVISE finish schedule floor finish at 48-104
    e. REVISE finish schedule floor finish at 51 toilet rooms
    f. REVISE finish schedule floor finish at 51-127E
19. Sheet 48-EL110
    a. ADD keynote 1
20. Sheet 51-EE100
    a. Add 51-MDP equipment tag
21. Sheet 51-EL110
    a. Add lighting requirements to 127B-1
22. Sheet 51-EP111
    a. Add approximate location of 51-L2-2 on floor above
23. Sheet 51-ES110
    a. Show WAP locations
24. Sheet 51-ES110
    a. Show WAP locations

REFERENCE ITEMS:

None

END OF REVISION

Enclosures 00 01 10, 08 71 00, 07 13 00, 10 22 23,
GI001,
GC110,
GC500,
48-AD111,
51-AD111,
51-AE111,
51-AE112,
AE550,
AE601,
AE602,
48-AF110,
51-AF110,
AF600
48-EL110
51-EE100
51-EL110
51-EP111
51-ES110
51-ES110

DEPARTMENT OF VETERANS AFFAIRS
VHA MASTER SPECIFICATIONS

TABLE OF CONTENTS
Section 00 01 10

- - - E N D - - -

SECTION 07 13 00
SHEET WATERPROOFING

PART 1 - GENERAL

1.1 DESCRIPTION

A. This section specifies sheet waterproofing materials used for shower pan waterproofing in showers and at floors sloped to floor drain.

1.2 QUALITY CONTROL

A. Approval by the COR is required of products of proposed manufacturers.

1.3 SUBMITTALS

A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.

B. Manufacturer's Literature and Data:

1. Sheet waterproofing.
2. Printed installation instructions.

C. Certificates:

1. Sheet waterproofing manufacturer's approval of adhesive used.
2. Waterproofing tests report indicating that water test as specified has been made for each shower area and that each area was found to be watertight.

D. Samples:

1. Sheet waterproofing, 150 mm (6 inches) square.
2. Waterproofed building paper, 150 square mm (6 inches square).
3. Adhesive, 0.24 L (1/2 pint).

1.4 PRODUCT DELIVERY, STORAGE AND HANDLING:

A. Deliver materials to job in manufacturer's original unopened containers with brand name marked thereon.

B. Unload and store to prevent injury to materials.

1. Do not store material in areas where temperature is lower than 10 degrees C (50 degrees F), or where prolonged temperature is above 32 degrees C (90 degrees F).

1.5 WARRANTY

A. Waterproofing is subject to the terms of Article titled "Warranty of Construction”, FAR clause 52.246-21, except that warranty period is extended to two years.

1.6 APPLICABLE PUBLICATIONS:

A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced by basic designation only.

B. Federal Specification (Fed. Spec.):

UU-B-790A INT AMD 1.....Building Paper, Vegetable Fiber: (Kraft, Waterproof, Water Repellent and Fire Resistant)

PART 2 - PRODUCTS

2.1 SHOWER PAN WATERPROOFING SHEET:

A. Rubber type sheet formed of non-reinforced, homogeneous, impermeable, sheeting compound reduced to thermoplastic state, resistant to fungus, mildew and bacteria, not less than 1.5 mm (60 mils) thick.

B. Asphaltic sheet formed with a laminated asphalt construction consisting of eight plies of Kraft paper bonded and saturated by seven layers of asphalt, reinforced with three layers of glass fibers and faced with polyethylene sheet; total weight 1.9 kilogram/square meter (0.40 pounds per square foot).

2.2 ADHESIVES:

A. As furnished by the manufacturer of the sheet waterproofing.

B. Compatible with adjacent materials where contact occurs.

2.3 WATERPROOFED BUILDING PAPER:

A. Fed. Spec. UU-B-790, Type I, Grade C.

2.4 CONCRETE PATCHING COMPOUND:

A. Portland cement base, acrylic polymer compound, manufactured specifically for resurfacing and leveling concrete floors.

B. Have not less than the following physical properties:

1. Compressive strength - 25 mPa (3500 psi).
2. Tensile strength - 7 mPa (1000 psi).
3. Flexural strength - 7 mPa (1000 psi).
4. Density - 1.9.

C. Capable of being applied in layers up to 50 mm (two inches) thick, being brought to a feather edge, and being troweled to a smooth finish.

D. Ready for use in 48 hours after application.

PART 3 - EXECUTION

3.1 PREPARATION:

A. Before installing shower pan waterproofing, adjoining surfaces shall be clean, smooth, firm and dry.

B. Concrete surfaces shall be cured a minimum of seven days and be free from release agents, concrete curing agents, and other contaminates.

C. Remove all high spots and loose and foreign particles and fill all voids, depressions joints and cracks with concrete patching compound.

D. Ensure vertical surfaces have a continuous supportive back substrate for waterproofing.

3.2 INSTALLATION:

A. Coat entire surfaces to receive shower pan waterproofing with adhesive spread at rate of 1 liter/square meter (one gallon per 40 square feet).

B. Butt joints and cover with a strip of the waterproofing sheeting material eight inches in width and seal with adhesive.

C. Carry sheeting up vertical surfaces not less than 4 inches above surface of shower floor. Carry over tops of curbs.

D. Roll entire horizontal surfaces with 23 to 45 kg (50 to 100 pounds) roller and roll corners and vertical sections with a rubber roller to insure solid anchorage.

E. Make cut out for floor drains and fit to drain for watertight assembly, coordinating with drain installation.

3.3 PROTECTION:

A. When finish floor will not be immediately installed, protect waterproofing pan.

B. Cover with 2 inches of sand or waterproofed building paper.

C. Maintain protection until finished floor is placed.

3.4 WATER TEST:

A. Test in presence of COR for leaks before permanent finish is applied over shower pan waterproofing.

B. Seal floor drain watertight and fill waterproofing pan with water to within approximately 25 mm (1 inch) of top of its vertical surfaces.

C. When leakage occurs, repair waterproofing and repeat testing until no leakage occurs.

D. Submit certificate to COR of test results.

- - - E N D - - -

SECTION 08 71 00
DOOR HARDWARE

PART 1 - GENERAL

1.1 DESCRIPTION

A. Door hardware and related items necessary for complete installation and operation of doors.

1.2 RELATED WORK

A. Caulking: Section 07 92 00 JOINT SEALANTS.

B. Application of Hardware: Section 08 14 00, WOOD DOORS: Section 08 11 13, HOLLOW METAL DOORS AND FRAMES; Section 08 71 13, AUTOMATIC DOOR OPERATORS; Section 08 71 13.11, LOW ENERGY DOOR OPERATORS.

C. Finishes: Material Schedule.

D. Painting: Section 09 91 00, PAINTING.

E. Card Readers: Section 28 13 00, PHYSICAL ACCESS CONTROL SYSTEMS.

F. Electrical: Division 26, ELECTRICAL.

G. Fire Detection: Section 28 31 00, FIRE DETECTION AND ALARM.

1.3 GENERAL

A. All hardware shall comply with ABAAS, (Architectural Barriers Act Accessibility Standard) unless specified otherwise.

B. Provide rated door hardware assemblies where required by most current version of the International Building Code (IBC).

C. Hardware for Labeled Fire Doors and Exit Doors: Conform to requirements of NFPA 80 for labeled fire doors and to NFPA 101 for exit doors, as well as to other requirements specified. Provide hardware listed by UL, except where heavier materials, large size, or better grades are specified herein under paragraph HARDWARE SETS. In lieu of UL labeling and listing, test reports from a nationally recognized testing agency may be submitted showing that hardware has been tested in accordance with UL test methods and that it conforms to NFPA requirements.

D. Hardware for application on metal and wood doors and frames shall be made to standard templates. Furnish templates to the fabricator of these items in sufficient time so as not to delay the construction.

E. The following items shall be of the same manufacturer, except as otherwise specified:

1. Mortise locksets.
2. Hinges for hollow metal and wood doors.

3. Surface applied overhead door closers.
4. Exit devices.
5. Floor closers.

F. All double doors shall be spec'd with "Z" shape, metal astragal and door coordinator.

1.4 WARRANTY

A. Automatic door operators shall be subject to the terms of FAR Clause 52.246-21, except that the Warranty period shall be two years in lieu of one year for all items except as noted below:
1. Locks, latchsets, and panic hardware: 5 years.
2. Door closers and continuous hinges: 10 years.

1.5 MAINTENANCE MANUALS

A. In accordance with Section 01 00 00, GENERAL REQUIREMENTS Article titled "INSTRUCTIONS", furnish maintenance manuals and instructions on all door hardware. Provide installation instructions with the submittal documentation.

1.6 SUBMITTALS

A. Submittals shall be in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES. Submit 6 copies of the schedule per Section 01 33 23. Submit 2 final copies of the final approved schedules to VAMC Locksmith as record copies (VISN Locksmith if the VAMC does not have a locksmith).

B. Hardware Schedule: AHC certified hardware consultant to prepare and submit hardware schedule in the following form:

Hardware Item	Quantity	Size	Reference Publication Type No.	Finish	Mfr. Name and Catalog No.	Key Control Symbols	UL Mark (if fire rated and listed)	ANSI/BHMA Finish Designation

C. Samples and Manufacturers' Literature:
1. Samples: All hardware items (proposed for the project) that have not been previously approved by Builders Hardware Manufacturers

Association shall be submitted for approval. Tag and mark all items with manufacturer's name, catalog number and project number.

2. Samples are not required for hardware listed in the specifications by manufacturer's catalog number, if the contractor proposes to use the manufacturer's product specified.

D. Certificate of Compliance and Test Reports: Submit certificates that hardware conforms to the requirements specified herein. Certificates shall be accompanied by copies of reports as referenced. The testing shall have been conducted either in the manufacturer's plant and certified by an independent testing laboratory or conducted in an independent laboratory, within four years of submittal of reports for approval.

E. Record of opening force measurement for all doors equipped with closers.

1.7 DELIVERY AND MARKING

A. Deliver items of hardware to job site in their original containers, complete with necessary appurtenances including screws, keys, and instructions. Tag one of each different item of hardware and deliver to COR for reference purposes. Tag shall identify items by Project Specification number and manufacturer's catalog number. These items shall remain on file in COR's office until all other similar items have been installed in project, at which time the COR will deliver items on file to Contractor for installation in predetermined locations on the project.

1.8 PREINSTALLATION MEETING

A. Convene a preinstallation meeting not less than 30 days before start of installation of door hardware. Require attendance of parties directly affecting work of this section, including Contractor and Installer, Architect, Project Engineer and VA Locksmith, Hardware Consultant, and Hardware Manufacturer’s Representative. Review the following:

1. Inspection of door hardware.
2. Job and surface readiness.
3. Coordination with other work.
4. Protection of hardware surfaces.
5. Substrate surface protection.
6. Installation.
7. Adjusting.
8. Repair.

9. Field quality control.
10. Cleaning.

1.9 INSTRUCTIONS

A. Hardware Set Symbols on Drawings: Except for protective plates, door stops, mutes, thresholds and the like specified herein, hardware requirements for each door are indicated on drawings by symbols. Symbols for hardware sets consist of letters (e.g., "HW") followed by a number. Each number designates a set of hardware items applicable to a door type.

B. Keying: All cylinders shall be keyed into existing Best Great Grand Master Key System. Provide removable core cylinders that are removable only with a special key or tool without disassembly of knob or lockset. Cylinders shall be 7 pin type. Keying information shall be furnished at a later date by the COR. Provide brass temporary construction cores

C. Keying: A new Great Grandmaster key shall be established for this project. The key system shall be small format (Best size and profile) removable core type as previously described. The key blanks shall be protected by a utility patent with a minimum seven years remaining on the patent from the start of construction, and protected by contract-controlled distribution. The manufacturer shall furnish code pattern listings in both paper and electronic formats so keys may be reproduced by code.; provide electronic format in file type required by project's key control software. The manufacturer shall design the new key system with the capacity to rekey the existing system and also provide for 25 percent expansion capability beyond this requirement. Submit a keying chart for approval showing proposed keying layout and listing expansion capacity.
   1. Keying information will be furnished to the Contractor by the COR.
   2. Supply information regarding key control of cylinder locks to manufacturers of equipment having cylinder type locks. Notify COR immediately when and to whom keys or keying information is supplied. Return all such keys to the COR.

1.10 APPLICABLE PUBLICATIONS

A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by the

basic designation only. In text, hardware items are referred to by series, types, etc., listed in such specifications and standards, except as otherwise specified.

B. ASTM International(ASTM):

F883-13.....Padlocks

E2180-18.....Standard Test Method for Determining the Activity of Incorporated Antimicrobial Agent(s) In Polymeric or Hydrophobic Materials

C. American National Standards Institute/Builders Hardware Manufacturers Association (ANSI/BHMA):

A156.1-06.....Butts and Hinges

A156.2-03.....Bored and Pre-assembled Locks and Latches

A156.3-08.....Exit Devices, Coordinators, and Auto Flush Bolts

A156.4-08.....Door Controls (Closers)

A156.5-14.....Cylinders and Input Devices for Locks.

A156.6-05.....Architectural Door Trim

A156.8-05.....Door Controls-Overhead Stops and Holders

A156.11-14.....Cabinet Locks

A156.12-05 .....Interconnected Locks and Latches

A156.13-05.....Mortise Locks and Latches Series 1000

A156.14-07 .....Sliding and Folding Door Hardware

A156.15-06.....Release Devices-Closer Holder, Electromagnetic and Electromechanical

A156.16-08.....Auxiliary Hardware

A156.17-04 .....Self-Closing Hinges and Pivots

A156.18-06.....Materials and Finishes

A156.20-06 .....Strap and Tee Hinges, and Hasps

A156.21-09.....Thresholds

A156.22-05.....Door Gasketing and Edge Seal Systems

A156.23-04.....Electromagnetic Locks

A156.24-03.....Delayed Egress Locking Systems

A156.25-07 .....Electrified Locking Devices

A156.26-06.....Continuous Hinges

A156.28-07 .....Master Keying Systems

A156.29-07 .....Exit Locks and Alarms

A156.30-03 .....High Security Cylinders

A156.31-07 .....Electric Strikes and Frame Mounted Actuators

A156.36-10.....Auxiliary Locks

A250.8-03.....Standard Steel Doors and Frames

D. National Fire Protection Association (NFPA):

80-10.....Fire Doors and Other Opening Protectives

101-09.....Life Safety Code

E. Underwriters Laboratories, Inc. (UL):

Building Materials Directory (2008)

F. Architectural Barriers Act Accessibility Standards (ABAAS)

PART 2 - PRODUCTS

2.1 BUTT HINGES

A. Hinges- Hager BB1279 4.5" x 4.5" 5 knuckle ball bearing US 26 D HT. ANSI A156.1. Provide only three-knuckle hinges, except five-knuckle where the required hinge type is not available in a three-knuckle version (e.g., some types of swing-clear hinges). The following types of butt hinges shall be used for the types of doors listed, except where otherwise specified:

1. Exterior Doors: Type A2112/A5112 for doors 900 mm (3 feet) wide or less and Type A2111/A5111 for doors over 900 mm (3 feet) wide. Hinges for exterior outswing doors shall have non-removable pins. Hinges for exterior fire-rated doors shall be of stainless steel material.
2. Interior Doors: Type A8112/A5112 for doors 900 mm (3 feet) wide or less and Type A8111/A5111 for doors over 900 mm (3 feet) wide. Hinges for doors exposed to high humidity areas (shower rooms, toilet rooms, kitchens, janitor rooms, etc. shall be of stainless steel material.

B. Provide quantity and size of hinges per door leaf as follows:

1. Doors up to 1210 mm (4 feet) high: 2 hinges.
2. Doors 1210 mm (4 feet) to 2260 mm (7 feet 5 inches) high: 3 hinges minimum.
3. Doors greater than 2260 mm (7 feet 5 inches) high: 4 hinges.
4. Doors up to 900 mm (3 feet) wide, standard weight: 114 mm x 114 mm (4-1/2 inches x 4-1/2 inches) hinges.
5. Doors over 900 mm (3 feet) to 1065 mm (3 feet 6 inches) wide, standard weight: 127 mm x 114 mm (5 inches x 4-1/2 inches).
6. Doors over 1065 mm (3 feet 6 inches) to 1210 mm (4 feet), heavy weight: 127 mm x 114 mm (5 inches x 4-1/2 inches).

7. Provide heavy-weight hinges where specified.
8. At doors weighing 330 kg (150 pounds) or more, furnish 127 mm (5 inch) high hinges.
9. Approved manufacturers:
    a. Hager
    b. McKinney
    c. Stanley

C. See Articles "MISCELLANEOUS HARDWARE" and "HARDWARE SETS" for pivots and hinges other than butts specified above and continuous hinges specified below.

2.2 CONTINUOUS HINGES

A. ANSI/BHMA A156.26, Grade 1-600.
1. Listed under Category N in BHMA's "Certified Product Directory."

B. General: Minimum 0.120-inch- (3.0-mm-) thick, hinge leaves with minimum overall width of 4 inches (102 mm); fabricated to full height of door and frame and to template screw locations; with components finished after milling and drilling are complete

C. Continuous, Barrel-Type Hinges: Hinge with knuckles formed around a Teflon-coated 6.35mm (0.25-inch) minimum diameter pin that extends entire length of hinge.
1. Base Metal for Exterior Hinges: Stainless steel.
2. Base Metal for Interior Hinges: Stainless steel
3. Base Metal for Hinges for Fire-Rated Assemblies: Stainless steel
4. Provide with non-removable pin (hospital tip option) at lockable outswing doors.
5. Where required to clear adjacent casing, trim, and wall conditions and allow full door swing, provide wide throw hinges of minimum width required.
6. Provide with manufacturer’s cut-outs for separate mortised power transfers and/or mortised automatic door bottoms where they occur.
7. Where thru-wire power transfers are integral to the hinge, provide hinge with easily removable portion to allow easy access to wiring connections.
8. Where models are specified that provide an integral wrap-around edge guard for the hinge edge of the door, provide manufacturer’s adjustable threaded stud and machine screw mechanism to allow the door to be adjusted within the wrap-around edge guard.

9. Approved manufacturers:
   a. Markar
   b. Pemko
   c. Stanley

2.3 DOOR CLOSING DEVICES

A. Closing devices shall be products of one manufacturer for each type specified.
   Detex -ECL-230D
   Closer - Corbin Russwin DC6210

2.4 OVERHEAD CLOSERS

A. Conform to ANSI A156.4, Grade 1.
B. Closers shall conform to the following:
   1. The closer shall have minimum 50 percent adjustable closing force over minimum value for that closer and have adjustable hydraulic back check effective between 60 degrees and 85 degrees of door opening.
   2. Where specified, closer shall have hold-open feature.
   3. Size Requirements: Provide multi-size closers, sizes 1 through 6, except where multi-size closer is not available for the required application.
   4. Material of closer body shall be forged or cast.
   5. Arm and brackets for closers shall be steel, malleable iron or high strength ductile cast iron.
   6. Where closers are exposed to the exterior or are mounted in rooms that experience high humidity, provide closer body and arm assembly of stainless steel material.
   7. Closers shall have full size metal cover; plastic covers will not be accepted.
   8. Closers shall have adjustable hydraulic back-check, separate valves for closing and latching speed, adjustable back-check positioning valve, and adjustable delayed action valve.
   9. Provide closers with any accessories required for the mounting application, including (but not limited to) drop plates, special soffit plates, spacers for heavy-duty parallel arm fifth screws, bull-nose or other regular arm brackets, longer or shorter arm assemblies, and special factory templating. Provide special arms,

drop plates, and templating as needed to allow mounting at doors with overhead stops and/or holders.

10. Closer arms or backcheck valve shall not be used to stop the door from overswing, except in applications where a separate wall, floor, or overhead stop cannot be used.
11. Provide parallel arm closers with heavy duty rigid arm.
12. Where closers are to be installed on the push side of the door, provide parallel arm type except where conditions require use of top jamb arm.
13. Provide all surface closers with the same body attachment screw pattern for ease of replacement and maintenance.
14. All closers shall have a 1 ½" (38mm) minimum piston diameter.
15. Approved manufacturers:
    a. Corbin Russwin
    b. LCN
    c. Sargent

2.5 FLOOR CLOSERS AND FLOOR PIVOT SETS

A. Comply with ANSI A156.4. Provide stainless steel floor plates for floor closers and floor pivots, except where metal thresholds occur. Provide cement case for all floor closers. Floor closers specified for fire doors shall comply with Underwriters Laboratories, Inc., requirements for concealed type floor closers for classes of fire doors indicated on drawings. Hold-open mechanism, where required, shall engage when door is opened 105 degrees, except when door swing is limited by building construction or equipment, the hold-open feature shall engage when door is opened approximately 90 degrees. The hold-open mechanism shall be selectable on/off by turning a screw through the floor plate. Floor closers shall have adjustable hydraulic back-check, adjustable close speed, and adjustable latch speed. Provide closers with delayed action where a hold-open mechanism is not required. Floor closers shall be multi-sized. Single acting floor closers shall also have built in dead stop. Where required, provide closers with special cement cases appropriate for shallow deck installation or where concrete joint lines run through the floor blockout. At offset-hung doors installed in deep reveals, provide special closer arm and spindle to allow for

installation. Where stone or terrazzo is applied over the floor closer case, provide closer without floor plate and with extended spindle (length as required) and special cover pan (depth as required) to allow closer to be accessed without damaging the material applied over the closer. Pivots for non-labeled doors shall be cast, forged or extruded brass or bronze.

B. Where floor closer appears in hardware set provide the following as applicable.
   1. Double Acting Floor Closers: Type C06012.
   2. Single Acting Floor Closer: Type C06021 (center pivoted). (Intermediate pivot is not required).
   3. Single Acting Floor Closers: Type C06041 (offset pivoted).
   4. Single Acting Floor Closer for Labeled Fire Doors: Type C06051 (offset pivoted).
   5. Single Acting Floor Closers For Lead Lined Doors: Type C06071 (offset pivoted).

2.6 DOOR STOPS

A. Conform to ANSI A156.16.

B. Provide door stops wherever an opened door or any item of hardware thereon would strike a wall, column, equipment or other parts of building construction. For concrete, masonry or quarry tile construction, use expansion shields for mounting door stops.

C. Where cylindrical locks with turn pieces or pushbuttons occur, equip wall bumpers Type L02251 (rubber pads having concave face) to receive turn piece or button.

D. Provide floor stops (Type L02141 or L02161) in office areas; Type L02121 x 3 screws into floor elsewhere. Wall bumpers, where used, must be installed to impact the trim or the door within the leading half of its width. Floor stops, where used, must be installed within 4-inches of the wall face and impact the door within the leading half of its width.

E. Where drywall partitions occur, use floor stops, Type L02141 or L02161 in office areas, Type L02121 elsewhere.

F. Provide stop Type L02011, as applicable for exterior doors. At outswing doors where stop can be installed in concrete, provide stop mated to

concrete anchor set in 76mm (3-inch) core-drilled hole and filled with quick-setting cement.

G. Omit stops where floor mounted door holders are required and where automatic operated doors occur.

H. Provide appropriate roller bumper for each set of doors (except where closet doors occur) where two doors would interfere with each other in swinging.

I. Provide appropriate door mounted stop on doors in individual toilets where floor or wall mounted stops cannot be used.

J. Provide overhead surface applied stop Type C02541, ANSI A156.8 on patient toilet doors in bedrooms where toilet door could come in contact with the bedroom door.

K. Provide door stops on doors where combination closer magnetic holders are specified, except where wall stops cannot be used or where floor stops cannot be installed within 4-inches of the wall.

L. Where the specified wall or floor stop cannot be used, provide concealed overhead stops (surface-mounted where concealed cannot be used).

M. Approved Manufacturers:

N. Rockwood

O. Trimco

P. Hager

2.7 OVERHEAD DOOR STOPS AND HOLDERS

A. Conform to ANSI Standard A156.8. Overhead holders shall be of sizes recommended by holder manufacturer for each width of door. Set overhead holders for 110 degree opening, unless limited by building construction or equipment. Provide Grade 1 overhead concealed slide type: stop-only at rated doors and security doors, hold-open type with exposed hold-open on/off control at all other doors requiring overhead door stops.

B. Approved Manufacturers:

C. Norton Rixson

D. Sargent

E. Rockwood

2.8 FLOOR DOOR HOLDERS

A. Conform to ANSI Standard A156.16. Provide extension strikes for Types L01301 and L01311 holders where necessary.

2.9 LOCKS AND LATCHES

A. Conform to ANSI A156.2. Locks and latches for doors 45 mm (1-3/4 inch) thick or over shall have beveled fronts. Use Mortise Locks only, no cylindrical locks. All locksets or latches on double doors with fire label shall have latch bolt with 19 mm (3/4 inch) throw, unless shorter throw allowed by the door manufacturer's fire label. Provide temporary keying device or construction core to allow opening and closing during construction and prior to the installation of final cores.

B. In addition to above requirements, locks and latches shall comply with following requirements:

1. Corbin or Best Mortise locks. Best cylinders 7-pin TE keyway. Mortise Lock and Latch Sets: Conform to ANSI/BHMA A156.13. Mortise locksets shall be series 1000, minimum Grade 2. All locksets and latchsets, except on designated doors in Psychiatric (Mental Health) areas, shall have lever handles fabricated from cast stainless steel. Provide sectional (lever x rose) lever design matching [Corbin LWA]. No substitute lever material shall be accepted. All locks and latchsets shall be furnished with 122.55 mm (4-7/8-inch) curved lip strike and wrought box. At outswing pairs with overlapping astragals, provide flat lip strip with 21mm (7/8-inch) lip-to-center dimension. Lock function F02 shall be furnished with emergency tools/keys for emergency entrance. All lock cases installed on lead lined doors shall be lead lined before applying final hardware finish. Furnish armored fronts for all mortise locks. Where mortise locks are installed in high-humidity locations or where exposed to the exterior on both sides of the opening, provide non-ferrous mortise lock case.
2. Auxiliary locks shall be as specified under hardware sets and conform to ANSI A156.36.
3. Locks on designated doors in Psychiatric (Mental Health) areas shall be paddle type with arrow projection covers and be UL Listed. Provide these locks with paddle in the down position on both sides of the door. Locks shall be fabricated of wrought stainless steel.
4. Approved Manufactuers:
   a. Corbin Russwin
5. Corbin ML2000 SERIES- ML2055 Classroom, ML2057 Storeroom

6. ML2069 Patient Bathroom, ML2065 Dormitory (Deadbolt Feature)
7. Public restrooms shall have occupied latch identification.

2.10 PUSH-BUTTON COMBINATION LOCKS

A. ANSI/BHMA A156.5, Grade 1. Battery operated pushbutton entry.
B. Construction: Heavy duty mortise lock housing conforming to ANSI/BHMA A156.13, Grade 1. Lever handles and operating components in compliance with the ABAAS and the ADA Accessibility Guidelines. Match lever handles of locks and latchsets on adjacent doors.
C. Special Features: Key override to permit a master keyed security system and a pushbutton security code activated passage feature to allow access without using the entry code.
D. Approved manufacturers:
E. Sargent

2.11 ELECTROMAGNETIC LOCKS

A. ANSI/BHMA A156.23; electrically powered, of strength and configuration indicated; with electromagnet attached to frame and armature plate attached to door. Listed under Category E in BHMA's "Certified Product Directory."
   1. Type: Full exterior or full interior, as required by application indicated.
   2. Strength Ranking: 500 pound force (2224 N).
   3. Inductive Kickback Peak Voltage: Not more than 0 V.
   4. Residual Magnetism: Not more than 4 pound force (18 N) to separate door from magnet.
B. Delayed-Egress Locks: BHMA A156.24. Listed under Category G in BHMA's "Certified Product Directory".
   1. Means of Egress Doors: Lock releases within 15 seconds after applying a force not more than 15 pound force (67 N) for not more than 3 seconds, as required by NFPA 101.
   2. Security Grade: Activated from secure side of door by initiating device.
   3. Movement Grade: Activated by door movement as initiating device.

4. The lock housing shall not project more than 4-inches (101mm) from the underside of the frame head stop.

2.12 ELECTRIC STRIKES

A. ANSI/ BHMA A156.31 Grade 1.

B. General: Use fail-secure electric strikes at fire-rated doors.

C. Prefer electric strike located in door frame. Discourage use of electric mortise inside doors - maintenance issues with wiring failures when routing through hinge and door. No wires shall run through door hinges and door slabs.

D. No wire conductors within hinge assemblies. All wire conductors for door hardware shall be on the latch side with latch activation. Electronic plungers not allowed.

E. Approved Manufacturers:

Hes

Folger Adam

Von Duprin

2.13 KEYS

A. Stamp all keys with change number and key set symbol. Furnish keys in quantities as follows:

Locks/Keys	**Quantity**
Cylinder locks	2 keys each
Cylinder lock change key blanks	100 each different key way
Master-keyed sets	6 keys each
Grand Master sets	6 keys each
Great Grand Master set	5 keys
Control key	2 keys

B. Psychiatric keys shall be cut so that first two bittings closest to the key shoulder are shallow to provide greater strength at point of greatest torque.

2.14 KEY CABINET

A. ANSI Standard A156.11. Provide key cabinet made of cold rolled, 1.2 mm (0.0478 inch) thick furniture steel electro-welded. Doors shall have "no sag" continuous brass-pin piano type hinge and be equipped with chrome plated locking door handles, hook cam and mechanical pushbutton door

lock. Key Cabinet and Key Control System shall accommodate all keys for this project plus 25 percent. Provide minimum number of multiple cabinets where a single cabinet of largest size will not accommodate the required number of keys.

B. Key tags shall consist of two sets: Permanent self-locking and loan key snaphook type with tag colors as follows: Red fiber marker of the permanent self-locking type approximately 32 mm (1-1/4 inch) in diameter engraved with the legend "FILE KEY MUST NOT BE LOANED." Also furnish for each hook a white cloverleaf key marker with snap-hooks engraved with the legend "LOAN KEY."

C. The manufacturer of the lock cylinders and locks shall attach a key tag to keys of each lock cylinder and shall mark thereon the respective item number and key change number. Provide each group of keys in a key gathering envelope (supplied by Key Cabinet Manufacturer) in which the lock manufacturer shall include the following information: Item number, key change number and door number. The contractor shall furnish the Key Cabinet Manufacturer the hardware and keying schedules and change keys.

D. The Key Cabinet Manufacturer shall set up a three-way cross index system, including master keys, listing the keys alphabetically, the hooks numerically and the key changes numerically on different colored index cards. Index cards shall be typewritten and inserted in a durable binder. Attach the keys to the two sets of numbered tags supplied with the cabinet. (The permanent tag and the loan key tag). Instruct the owner in proper use of the system. Install cabinet as directed by the COR.

2.15 ARMOR PLATES, KICK PLATES, MOP PLATES AND DOOR EDGING

A. Conform to ANSI Standard A156.6.

B. Provide protective plates as specified below:

1. Kick plates, mop plates and armor plates of metal, Type J100 series.
2. Provide kick plates and mop plates where specified. Kick plates shall be 254 mm (10 inches) or 305 mm (12 inches) high. Mop plates shall be 152 mm (6 inches) high. Both kick and mop plates shall be minimum 1.27 mm (0.050 inches) thick. Provide kick and mop plates beveled on all 4 edges (B4E). On push side of doors where jamb stop extends to floor, make kick plates 38 mm (1-1/2 inches) less than width of door, except pairs of metal doors which shall have plates 25 mm (1 inch)

less than width of each door. Extend all other kick and mop plates to within 6 mm (1/4 inch) of each edge of doors. Kick and mop plates shall butt astragals. For jamb stop requirements, see specification sections pertaining to door frames.

3. Kick plates and/or mop plates are not required on following door sides:
   a. Armor plate side of doors;
   b. Exterior side of exterior doors;
   c. Closet side of closet doors;
   d. Both sides of aluminum entrance doors.
4. Armor plates for doors are listed under Article "Hardware Sets". Armor plates shall be thickness as noted in the hardware set, 875 mm (35 inches) high and 38 mm (1-1/2 inches) less than width of doors, except on pairs of metal doors. Provide armor plates beveled on all 4 edges (B4E). Plates on pairs of metal doors shall be 25 mm (1 inch) less than width of each door. Where top of intermediate rail of door is less than 875 mm (35 inches) from door bottom, extend armor plates to within 13 mm (1/2 inch) of top of intermediate rail. On doors equipped with panic devices, extend armor plates to within 13 mm (1/2 inch) of panic bolt push bar.
5. Where louver or grille occurs in lower portion of doors, substitute stretcher plate and kick plate in place of armor plate. Size of stretcher plate and kick plate shall be 254 mm (10 inches) high.
6. Provide stainless steel edge guards where so specified at wood doors. Provide mortised type instead of surface type except where door construction and/or ratings will not allow. Provide edge guards of bevel and thickness to match wood door. Provide edge guards with factory cut-outs for door hardware that must be installed through or extend through the edge guard. Provide full-height edge guards except where door rating does not allow; in such cases, provide edge guards to height of bottom of typical lockset armor front. Forward edge guards to wood door manufacturer for factory installation on doors.
7. Approved Manufacturers:
   a. Burns
   b. Rockwood
   c. Trimco

2.16 EXIT DEVICES

A. Conform to ANSI Standard A156.3. Exit devices shall be Grade 1; type and function are specified in hardware sets. Provide flush with finished floor strikes for vertical rod exit devices in interior of building. Trim shall have cast satin stainless steel lever handles of design similar to locksets, unless otherwise specified. Provide key cylinders for keyed operating trim and, where specified, cylinder dogging.

B. Surface vertical rod panics shall only be provided less bottom rod; provide fire pins as required by exit device and door fire labels. Do not provide surface vertical rod panics at exterior doors.

C. Concealed vertical rod panics shall be provided less bottom rod at interior doors, unless lockable or otherwise specified; provide fire pins as required by exit device and door fire labels. Where concealed vertical rod panics are specified at exterior doors, provide with both top and bottom rods.

D. Where removable mullions are specified at pairs with rim panic devices, provide mullion with key-removable feature.

E. At non-rated openings with panic hardware, provide panic hardware with key cylinder dogging feature.

F. Exit devices for fire doors shall comply with Underwriters Laboratories, Inc., requirements for Fire Exit Hardware. Submit proof of compliance.

G. Approved Manufacturers:

Corbin Russwin
Sargent
Von Duprin
Exit push bar - Von Duprin #98/99 series

2.17 FLUSH BOLTS (LEVER EXTENSION)

A. Conform to ANSI A156.16. Flush bolts shall be Type L24081 unless otherwise specified. Furnish proper dustproof strikes conforming to ANSI A156.16, for flush bolts required on lower part of doors.

B. Lever extension manual flush bolts shall only be used at non-fire-rated pairs for rooms only accessed by maintenance personnel.

C. Face plates for cylindrical strikes shall be rectangular and not less than 25 mm by 63 mm (1 inch by 2-1/2 inches).

D. Friction-fit cylindrical dustproof strikes with circular face plate may be used only where metal thresholds occur.

E. Provide extension rods for top bolt where door height exceeds 2184 mm (7 feet 2 inches).

F. Approved Manufacturers:

G. Hager

H. Rockwood

I. Trimco

2.18 FLUSH BOLTS (AUTOMATIC)

A. Conform to ANSI A156.3. Dimension of flush bolts shall conform to ANSI A115. Bolts shall conform to Underwriters Laboratories, Inc., requirements for fire door hardware. Flush bolts shall automatically latch and unlatch. Furnish dustproof strikes conforming to ANSI A156.16 for bottom flushbolt. Face plates for dustproof strike shall be rectangular and not less than 38 mm by 90 mm (1-1/2 by 3-1/2 inches).

B. At interior doors, provide auto flush bolts less bottom bolt, unless otherwise specified, except at wood pairs with fire-rating greater than 20 minutes; provide fire pins as required by auto flush bolt and door fire labels.

C. Approved Manufacturers:

D. Hager

E. Rockwood

F. Trimco

2.19 DOOR PULLS WITH PLATES

A. Conform to ANSI A156.6. Pull Type J401, 152 mm CTC (6 inches CTC) length by 19 mm (3/4 inches) diameter minimum with plate Type J302, 90 mm by 381 mm (3-1/2 inches by 15 inches), unless otherwise specified. Provide pull with projection of 57.2 mm (2 1/4 inches) minimum and a clearance of 38.1 mm (1 1/2 inches) minimum. Cut plates of door pull plate for cylinders, or turn pieces where required.

B. Approved Manufcturers:

C. Hager

D. Rockwood

E. Trimco

2.20 PUSH PLATES

A. Conform to ANSI A156.6. Metal, Type J302, 203 mm (8 inches) wide by 406.4 mm (16 inches) high. Provide metal Type J302 plates 102 mm (4 inches) wide by 406.4 mm (16 inches) high where push plates are specified for doors with stiles less than 203 mm (8 inches) wide. Cut plates for cylinders, and turn pieces where required.

B. Approved Manufacturers:

C. Hager

D. Rockwood

E. Trimco

2.21 COMBINATION PUSH AND PULL PLATES

A. Conform to ANSI 156.6. Type J303, stainless steel 3 mm (1/8 inch) thick, 80 mm (3-1/3 inches) wide by 800 mm (16 inches) high), top and bottom edges shall be rounded. Secure plates to wood doors with 38 mm (1-1/2 inch) long No. 12 wood screws. Cut plates for turn pieces, and cylinders where required. Pull shall be mounted down.

B. Approved Manufacturers:

C. Hager

D. Rockwood

E. Trimco

2.22 COORDINATORS

A. Conform to ANSI A156.16. Coordinators, when specified for fire doors, shall comply with Underwriters Laboratories, Inc., requirements for fire door hardware. Coordinator may be omitted on exterior pairs of doors where either door will close independently regardless of the position of the other door. Coordinator may be omitted on interior pairs of non-labeled open where open back strike is used. Open back strike shall not be used on labeled doors. Paint coordinators to match door frames, unless coordinators are plated. Provide bar type coordinators, except where gravity coordinators are required at acoustic pairs. For bar type coordinators, provide filler bars for full width and, as required, brackets for push-side surface mounted closers, overhead stops, and vertical rod panic strikes.

B. Approved Manufacturers:

C. Hager

D. Rockwood

E. Trimco

2.23 THRESHOLDS

A. Conform to ANSI A156.21, mill finish extruded aluminum, except as otherwise specified. In existing construction, thresholds shall be installed in a bed of sealant with ¼-20 stainless steel machine screws and expansion shields. In new construction, embed aluminum anchors coated with epoxy in concrete to secure thresholds. Furnish thresholds for the full width of the openings.

B. For thresholds at elevators entrances see other sections of specifications.

C. At exterior doors and any interior doors exposed to moisture, provide threshold with non-slip abrasive finish.

D. Provide with miter returns where threshold extends more than 12 mm (0.5 inch) beyond face of frame.

E. Approved Manufacturers:

F. National Guard

G. Pemko

H. Reese

2.24 AUTOMATIC DOOR BOTTOM SEAL AND RUBBER GASKET FOR LIGHT PROOF OR SOUND CONTROL DOORS

A. Conform to ANSI A156.22. Provide mortise or under-door type, except where not practical. For mortise automatic door bottoms, provide type specific for door construction (wood or metal).

B. Approved Manufacturers:

C. National Guard

D. Pemko

E. Reese

2.25 WEATHERSTRIPS (FOR EXTERIOR DOORS)

A. Conform to ANSI A156.22. Air leakage shall not to exceed 0.50 CFM per foot of crack length (0.000774m^3/s/m).

B. Approved Manufacturers:

C. National Guard

D. Pemko

E. Reese

2.26 MISCELLANEOUS HARDWARE

A. Access Doors (including Sheet Metal, Screen and Woven Wire Mesh Types): Except for fire-rated doors and doors to Temperature Control Cabinets, equip each single or double metal access door with Lock Type E07213, conforming to ANSI A156.11. Key locks as directed. Ship lock prepaid to the door manufacturer. Hinges shall be provided by door manufacturer.

B. Cylinders for Various Partitions and Doors: Key cylinders same as entrance doors of area in which partitions and door occur, except as otherwise specified. Provide cylinders to operate locking devices where specified for following partitions and doors:

1. Folding doors and partitions.
2. Wicket door (in roll-up door assemblies).
3. Slide-up doors.
4. Swing-up doors.
5. Fire-rated access doors-Engineer's key set.
6. Doors from corridor to electromagnetic shielded room.
7. Day gate on vault door.

C. Mutes: Conform to ANSI A156.16. Provide door mutes or door silencers Type L03011 or L03021, depending on frame material, of white or light gray color, on each steel or wood door frame, except at fire-rated frames, lead-lined frames and frames for sound-resistant, lightproof and electromagnetically shielded doors. Furnish 3 mutes for single doors and 2 mutes for each pair of doors, except double-acting doors. Provide 4 mutes or silencers for frames for each Dutch type door. Provide 2 mutes for each edge of sliding door which would contact door frame.

2.27 PADLOCKS FOR VARIOUS DOORS, GATES AND HATCHES

A. ASTM E883, size 50 mm (2 inch) wide chain; furnish extended shackles as required by job conditions. Provide padlocks, with key cylinders, for each door in following areas as noted.

B. Key padlocks as follows:

1. Constant Temperature and Cold Rooms in Research Departments: Research Laboratory Set.
2. Cold Room in Morgue Department: Autopsy Set.

3. Refrigerators in Canteen Department: Canteen Storage Set.
4. All Refrigerator Rooms in Main Kitchen Department: Kitchen Storage Set.
5. Chain Link Fence Gates for Electrical Substation and other Fenced Buildings or Areas: Engineer's set, except as otherwise specified.
6. Chain Link Fence Gates for Oxygen Storage Buildings: Maintenance supply set.
7. Roof Access and Scuttles: Engineer's set.
8. Hinged Wicket in Post Office Partitions: Post Office set.

C. Omit padlocks on communicating refrigerator doors.

2.28 THERMOSTATIC TEMPERATURE CONTROL VALVE CABINETS

A. Where lock is shown, equip each cabinet door (metal) with lock Type E06213, conforming to ANSI A156.36. Key locks in Key Sets approved by Contracting Officer. See mechanical drawings and specifications for location of cabinets.

B. Cabinet manufacturer shall supply the hinges, bolts and pulls. Ship locks to cabinet manufacturer for installation.

2.29 HINGED WIRE GUARDS (FOR WINDOWS, DOORS AND TRANSOMS) AND WIRE PARTITION DOORS

A. Butt hinges, type A8133 (special swaging) 100 mm by 90 mm (4 inches by 3-1/2 inches), Finish US2C.
1. 3 hinges for guards over 1060 mm (3-1/2 feet) high.
2. 2 hinges for guards less than 1060 mm (3-1/2 feet) high.

B. Conform to ANSI A156.36. Lock Type E06081 for guards and Type E06061 for partitions.
1. Keying: Except as noted otherwise, key locks like entrance door or space wherein guards and partitions are located except as otherwise specified.
2. Key locks for partitions enclosing mechanical and electrical equipment in Engineer's Set. (See detailed drawings for number of locks and butt hinges required for each guard).

2.30 FINISHES

A. Exposed surfaces of hardware shall have ANSI A156.18, finishes as specified below. Finishes on all hinges, pivots, closers, thresholds, etc., shall be as specified below under "Miscellaneous Finishes." For field painting (final coat) of ferrous hardware, see Section 09 91 00, PAINTING.

B. 626 or 630: All surfaces on exterior and interior of buildings, except where other finishes are specified.

C. Miscellaneous Finishes:

1. Hinges --exterior doors: 626 or 630.
2. Hinges --interior doors: 652 or 630.
3. Pivots: Match door trim.
4. Door Closers: Factory applied paint finish. Dull or Satin Aluminum color.
5. Thresholds: Mill finish aluminum.
6. Cover plates for floor hinges and pivots: 630.
7. Other primed steel hardware: 600.

D. Hardware Finishes for Existing Buildings: U.S. Standard finishes shall match finishes of hardware in (similar) existing spaces.

E. Special Finish: Exposed surfaces of hardware for dark bronze anodized aluminum doors shall have oxidized oil rubbed bronze finish (dark bronze) finish on door closers shall closely match doors.

F. Anti-microbial Coating: All hand-operated hardware (levers, pulls, push bars, push plates, paddles, and panic bars) shall be provided with an anti-microbial/anti-fungal coating that has passed ASTM E2180 tests. Coating to consist of ionic silver (Ag+). Silver ions surround bacterial cells, inhibiting growth of bacteria, mold, and mildew by blockading food and respiration supplies.

2.31 BASE METALS

A. Apply specified U.S. Standard finishes on different base metals as following:

Finish	**Base Metal**
652	Steel
626	Brass or bronze
630	Stainless steel

PART 3 - EXECUTION

3.1 HARDWARE HEIGHTS

A. For existing buildings locate hardware on doors at heights to match existing hardware. The Contractor shall visit the site, verify location of existing hardware and submit locations to VA COR for approval.

B. For new buildings locate hardware on doors at heights specified below, with all hand-operated hardware centered within 864 mm (34 inches) to 1200 mm (48 inches), unless otherwise noted:

C. Hardware Heights from Finished Floor:

1. Exit devices centerline of strike (where applicable) 1024 mm (40-5/16 inches).
2. Locksets and latch sets centerline of strike 1024 mm (40-5/16 inches).
3. Deadlocks centerline of strike 1219 mm (48 inches).
4. Hospital arm pull 1168 mm (46 inches) to centerline of bottom supporting bracket.
5. Centerline of door pulls to be 1016 mm (40 inches).
6. Push plates and push-pull shall be 1270 mm (50 inches) to top of plate.
7. Push-pull latch to be 1024 mm (40-5/16 inches) to centerline of strike.
8. Locate other hardware at standard commercial heights. Locate push and pull plates to prevent conflict with other hardware.

3.2 INSTALLATION

A. Closer devices, including those with hold-open features, shall be equipped and mounted to provide maximum door opening permitted by building construction or equipment. Closers shall be mounted on side of door inside rooms, inside stairs, and away from corridors. At exterior doors, closers shall be mounted on interior side. Where closers are mounted on doors they shall be mounted with hex nuts and bolts; foot shall be fastened to frame with machine screws. Door opening force shall not exceed 22.2 N (5 pounds) maximum in accordance with ABAAS. Measure and adjust opening force for all doors equipped with closers.

B. Hinge Size Requirements:

Door Thickness	**Door Width**	**Hinge Height**
45 mm (1-3/4 inch)	900 mm (3 feet) and less	113 mm (4-1/2 inches)
45 mm (1-3/4 inch)	Over 900 mm (3 feet) but not more than 1200 mm (4 feet)	125 mm (5 inches)

Door Thickness	**Door Width**	**Hinge Height**
35 mm (1-3/8 inch) (hollow core wood doors)	Not over 1200 mm (4 feet)	113 mm (4-1/2 inches)

C. Hinge leaves shall be sufficiently wide to allow doors to swing clear of door frame trim and surrounding conditions.

D. Where new hinges are specified for new doors in existing frames or existing doors in new frames, sizes of new hinges shall match sizes of existing hinges; or, contractor may reuse existing hinges provided hinges are restored to satisfactory operating condition as approved by COR. Existing hinges shall not be reused on door openings having new doors and new frames. Coordinate preparation for hinge cut-outs and screw-hole locations on doors and frames.

E. Hinges Required Per Door:

Door Description	**Number butts**
Doors 1500 mm (5 ft) or less in height	2 butts
Doors over 1500 mm (5 ft) high and not over 2280 mm (7 ft 6 in) high	3 butts
Doors over 2280 mm (7 feet 6 inches) high	4 butts
Doors with spring hinges 1370 mm (4 feet 6 inches) high or less	2 butts
Doors with spring hinges over 1370 mm (4 feet 6 inches)	3 butts

F. Fastenings: Suitable size and type and shall harmonize with hardware as to material and finish. Provide machine screws and lead expansion shields to secure hardware to concrete, ceramic or quarry floor tile, or solid masonry. Fiber or rawl plugs and adhesives are not permitted. All fastenings exposed to weather shall be of nonferrous metal.

G. After locks have been installed; show in presence of COR that keys operate their respective locks in accordance with keying requirements. (All keys, Master Key level and above shall be sent Registered Mail to the Medical Center Director along with the bitting list. Also a copy of the invoice shall be sent to the COR for his records.) Installation of locks which do not meet specified keying requirements shall be considered sufficient justification for rejection and replacement of all locks installed on project.

3.3 FINAL INSPECTION

A. Installer to provide letter to VA Resident/Project Engineer that upon completion, installer has visited the Project and has accomplished the following:

1. Re-adjust hardware.
2. Evaluate maintenance procedures and recommend changes or additions, and instruct VA personnel.
3. Identify items that have deteriorated or failed.
4. Submit written report identifying problems.
5. Provide Any Special Tools required for maintenance and/or operation.

3.4 DEMONSTRATION

A. Demonstrate efficacy of mechanical hardware and electrical, and electronic hardware systems, including adjustment and maintenance procedures, to satisfaction of Resident/Project Engineer and VA Locksmith.

B. Identify Any Special Tools required for maintenance and/or operation.

3.5 HARDWARE SETS

A. Following sets of hardware correspond to hardware symbols shown on drawings. Only those hardware sets that are shown on drawings will be required. Disregard hardware sets listed in specifications but not shown on drawings.

B. Hardware Consultant working on a project will be responsible for providing additional information regarding these hardware sets. The numbers shown in the following sets come from BHMA standards.

ELECTRIC HARDWARE ABBREVIATIONS LEGEND:

ADO = Automatic Door Operator

EMCH = Electro-Mechanical Closer-Holder

MHO = Magnetic Hold-Open (wall- or floor-mounted)

Hardware Sets

Set: 1.0

Doors: 51-109, 51-127B, 51-127E

1	Cont. Hinge w/ Edge Guard	HG305 HT AS	630

1	Storeroom Lock	ML2057 LWA LC	626
1	Best Mortise Cylinder	1E-74	626
1	Armor Plate	K1050 (F) 35" high 4BE CSK	US32D
1	Door Stop	400 series as req'd	US26D

Set: 2.0

Doors: 51-114

3	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D
1	Storeroom Lock	ML2057 LWA LC	626
1	Best Mortise Cylinder	1E-74	626
1	H & J Smoke/Sound Seal	S88D	
1	Auto Door Bottom	420APKL	

Set: 3.0

Doors: 48-116

3	Hinge, Full Mortise, Hvy Wt	T4A3786 5" x 4-1/2"	US26D
1	Classroom Lock	ML2055 LWA LC	626
1	Best Mortise Cylinder	1E-74	626
1	Closer	DC6200	689
1	Kick Plate	K1050 10" high 4BE CSK	US32D
1	Electromagnetic Holder	99xM for wall condition	689
1	H & J Smoke/Sound Seal	S88D	

Notes:
Electronic hold-open magnet will require 12/24V and fire alarm contacts.
For existing doors / frames, field verify existing hardware preps and locations.
Alter hardware set as required for a direct retrofit if possible.

Set: 4.0

Doors: 51-127C

1	Cont. Hinge w/ Edge Guard	HG305 HT AS	630
1	Classroom Lock	ML2055 LWA LC	626
1	Best Mortise Cylinder	1E-74	626
1	Armor Plate	K1050 (F) 35" high 4BE CSK	US32D
1	Door Stop	400 series as req'd	US26D
3	Silencer	608/609 as req'd	

Notes:
For existing doors / frames, field verify existing hardware preps and locations.
Alter hardware set as required for a direct retrofit if possible.

Set: 5.0

Doors: 51-128A

3	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D
1	Privacy Lock w/ Indicator	ML2030 LWA M34 V20	626
2	Kick Plate	K1050 10" high 4BE CSK	US32D
1	Door Stop	400 series as req'd	US26D
3	Silencer	608/609 as req'd	

Notes:
For existing doors / frames, field verify existing hardware preps and locations.
Alter hardware set as required for a direct retrofit if possible.

Set: 6.0

Doors: 51-108

3	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D
1	Entrance Lock	ML2065 LWA LC	626
1	Best Mortise Cylinder	1E-74	626
1	Door Stop	400 series as req'd	US26D
3	Silencer	608/609 as req'd	

Notes:
For existing doors / frames, field verify existing hardware preps and locations.
Alter hardware set as required for a direct retrofit if possible.

Set: 7.0

Doors: 51-112, 51-127A

6	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D
1	Self Latching Flushbolt (Top Only)	2805/2905	US32D
1	Best Mortise Cylinder	1E-74	626
2	Surface Overhead Stop	10-X36	630
2	Silencer	608/609 as req'd	

Notes:
For existing doors / frames, field verify existing hardware preps and locations.
Alter hardware set as required for a direct retrofit if possible.

Set: 8.0

Doors: 48-106B, 51-107, 51-128

3	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D
1	Storeroom Lock	ML2057 LWA LC	626
1	Best Mortise Cylinder	1E-74	626
1	Electric Strike	1500C	630
1	Bridge Rectifier	2005M3	
1	Closer	DC6200	689
1	Kick Plate	K1050 10" high 4BE CSK	US32D
1	Door Stop	400 series as req'd	US26D
1	H & J Smoke/Sound Seal	S88D	
1	Wiring Diagram	By Security Contractor	
1	ElectroLynx Harness	QC-C3000P (hinge/strike to power)	
1	Position Switch	DPS-M-BK	
1	Card Reader	By Security Contractor	
1	Power Supply	By Security Contractor	

Notes: Electrically controlled opening. Door normally closed and locked. Egress allowed at all times. Entry by mechanical key or by presenting valid proximity card to card reader which will temporarily disengage the electric strike. Upon loss of power, door will remain locked. FAIL SECURE

Set: 9.0

Doors: 51-127D

1	Cont. Hinge w/ Edge Guard	HG305 HT AS	630
1	Keypad Mortise Lock	LC KP8278 LNJ	US26D
1	Best Mortise Cylinder	1E-74	626
1	Closer	DC6200	689
1	Armor Plate	K1050 (F) 35" high 4BE CSK	US32D
1	Door Stop	400 series as req'd	US26D

1	H & J Smoke/Sound Seal	S88D	

Notes:
Entry by valid PIN at keypad or manual key. Free egress at all times.
For existing doors / frames, field verify existing hardware preps and locations.
Alter hardware set as required for a direct retrofit if possible.

Set: 10.0

Doors: 48-103B

1	Cont. Hinge w/ Edge Guard	HG305 HT AS	630
1	Keypad Mortise Lock	LC KP8278 LNJ	US26D
1	Best Mortise Cylinder	1E-74	626
1	Closer w/ Stop	DC6210 A4	689
1	Armor Plate	K1050 (F) 35" high 4BE CSK	US32D
1	Door Stop	400 series as req'd	US26D
1	H & J Smoke/Sound Seal	S88D	

Notes:
Entry by valid PIN at keypad or manual key. Free egress at all times.
For existing doors / frames, field verify existing hardware preps and locations.
Alter hardware set as required for a direct retrofit if possible.

Set: 11.0

Doors: 51-111, 51-113, 51-115, 51-116, 51-117, 51-120, 51-121, 51-124, 51-125, 51-126

2	Hinge, Spring	1502 4-1/2" x 4-1/2"	US26D

6	Hinge, Full Mortise, Hvy Wt	T4A3786 4-1/2" x 4-1/2"	US26D
1	Self Latching Flushbolt (Top Only)	2805/2905	US32D
1	Closer	DC6200	689
2	Kick Plate	K1050 10" high 4BE CSK	US32D
2	Door Stop	400 series as req'd	US26D
1	Mtg. Stile Smoke Seal	S772D	
1	H & J Smoke/Sound Seal	S88D	
1	Viewer	622	DCRM

Notes: Spring hinges on inactive door leaf.
For existing doors / frames, field verify existing hardware preps and locations.
Alter hardware set as required for a direct retrofit if possible.

Set: 12.0

Doors: 48-106A, 48-106C, 48-108, 48-109B, 48-114, 48-115, 48-117, 48-118

3	Hinge, Full Mortise, Hvy Wt	T4A3786 5" x 4-1/2"	US26D
1	Passage Latch	ML2010 LWA	626
1	Closer	DC6200	689
1	Kick Plate	K1050 10" high 4BE CSK	US32D
2	Door Stop	400 series as req'd	US26D
1	H & J Smoke/Sound Seal	S88D	

Set: 13.0

Doors: 51-111A, 51-113A, 51-115A, 51-116A, 51-117A, 51-120A, 51-121A, 51-124A, 51-125A, 51-126A

3	Hinge, Full Mortise, Hvy Wt	T4A3786 5" x 4-1/2"	US26D

1	Passage Latch	ML2010 LWA	626
1	HD Surface Overhead Stop	9-X36	630
1	Kick Plate	K1050 10" high 4BE CSK	US32D
3	Silencer	608/609 as req'd	

Set: 14.0

Doors: 48-107A

3	Hinge, Full Mortise, Hvy Wt	T4A3786 5" x 4-1/2"	US26D
1	Classroom Lock	ML2055 LWA LC	626
1	Best Mortise Cylinder	1E-74	626
1	Elec Hold-Open Closer	7705PTO (pull side)	689
1	Kick Plate	K1050 10" high 4BE CSK	US32D
1	H & J Smoke/Sound Seal	S88D	

Notes:
Electronic hold-open closer will require 12/24V and fire alarm contacts at door header.
For existing doors / frames, field verify existing hardware preps and locations.
Alter hardware set as required for a direct retrofit if possible.

Set: 15.0

Doors: 48-100

3	Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D
1	Institution Lock	ML2032 LWA LC	626
1	Closer w/ Stop	DC6210 A4	689
1	H & J Smoke/Sound Seal	S88D	

Notes: Door can not be in a designated path of egress.

Set: 16.0

Doors: 51-C1NE

2	Cont. Hinge w/ Edge Guard	HG305 HT AS	630
2	SVR Exit Device, EO / LBR	ED5470B EO M55	626
2	Closer	DC6200	689
2	Electromagnetic Holder	99xM for wall condition	689
1	H & J Smoke/Sound Seal	S88D	

Notes:
Electronic hold-open magnet will require 12/24V and fire alarm contacts.
For existing doors / frames, field verify existing hardware preps and locations.
Alter hardware set as required for a direct retrofit if possible.
Overlapping astragal by door vendor if required

Set: 17.0

Doors: 51-122, 51-130

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D
1 Storeroom Lock	ML2057 LWA LC	626
1 Best Mortise Cylinder	1E-74	626
1 H & J Smoke/Sound Seal	S88D	

Notes:
For existing doors / frames, field verify existing hardware preps and locations.
Alter hardware set as required for a direct retrofit if possible.

Set: 18.0

Doors: 51-123B

3 Hinge, Full Mortise	TA2714 4-1/2" x 4-1/2"	US26D

1 Passage Latch	ML2010 LWA	626
1 Door Stop	400 series as req'd	US26D
3 Silencer	608/609 as req'd	

- - - E N D - - -

SECTION 10 22 13
WIRE MESH PARTITIONS

PART 1 - GENERAL

1.1 DESCRIPTION

A. This section specifies steel mesh partitions and hardware for perimeter of medication room.

1.2 RELATED WORK

A. Section 01 81 13, SUSTAINABLE CONSTRUCTION REQUIREMENTS: Sustainable Design Requirements.

1.3 QUALITY ASSURANCE

A. Manufacturer's Qualifications: Manufacturer with three (3) years' experience in providing items of types specified. Submit manufacturer's qualifications.

B. Obtain wire mesh partitions from single manufacturer.

C. Installer's Qualifications: Installers who have three (3) years' experience in the installation of units required for this project. Submit installer's qualifications.

1.4 SUBMITTALS

A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.

B. Sustainable Design Submittals, as described below:

1. Postconsumer and preconsumer recycled content as specified in PART 2 - PRODUCTS.

C. Shop Drawings: Mesh partitions showing design, construction and materials.

D. Submit layout drawings with detailed erection drawings and specifications.

E. Manufacturer's qualifications.

F. Installer's qualifications.

1.5 WARRANTY

A. Construction Warranty: Comply with FAR clause 52.246-21 "Warranty of Construction".

1.6 APPLICABLE PUBLICATIONS

A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by the basic designation also.

B. ASTM International (ASTM):

A36/A36M-19.....Carbon Structural Steel

A53/A53M-20.....Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless

A500/A500M-20.....Cold-Formed Welded Seamless Carbon Steel Structural Tubing in Rounds and Shapes

A510/A510M-18.....Wire Rods and Coarse Round Wire, Carbon Steel, and Alloy Steel

A513/A513M-20a.....Electric-Resistance-Welded Carbon and Alloy Steel Mechanical Tubing

A653/A653M-20.....Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process

A1008/A1008M-18.....Steel, Sheet, Cold-Rolled, Carbon, Structural, High Strength Low Alloy

PART 2 - PRODUCTS

2.1 MATERIALS

A. Steel Wire: ASTM A510/A510M.

B. Panel-to-Panel Fasteners: Manufacturer’s standard steel bolts, nuts, and washers.

C. Recycled Content of Steel Products: Post consumer plus one-half of preconsumer content not less than 30 percent.

2.2 NORMAL DUTY PARTITIONS

A. Woven Wire: 38 mm (1-1/2 inch) diamond mesh No. 10 gauge 3.4 mm (0.1345 inch) diameter uncoated steel crimped and woven.

1. Drywall Penetration Barrier Mesh: Supply and install barrier mesh, steel, expanded-metal panels as a penetration barrier: on metal stud face on partitions enclosing Room 48-106B (north, west, and south partitions) and Room 51-107(north and west partitions). At room 51-107 east partition, barrier mesh on face of existing partition and cover and finish as specified.

a. Basis-of-Design Product: Subject to compliance with requirements, provide Barrier Mesh supplied by ClarkDietrich; BM15-9F Medium Security.

b. Finished shape of mesh openings is a flattened diamond, per ASTM F1267, Style 2.

c. Barrier-Mesh Clips: Barrier mesh is attached to framing members using barrier-mesh clips and appropriate threaded fasteners.

1) For steel framing, install a flat-head, bugle-type, self-tapping, fine-thread screw long enough to penetrate the framing member a minimum of 3/8 inch (9.5 mm).

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install drywall penetration barrier mesh as follows:

1. Install barrier-mesh sheets with diamond running in direction most suitable.
2. Install barrier-mesh clips to secure mesh to framing members.
3. Butt mesh joints that occur on framing members.
4. Overlapping mesh joints to achieve tie-in is acceptable.
5. Install barrier-mesh sheets to join, begin, and terminate on framing members.
6. Wire tie barrier-mesh sheets not joining on framing member with 0.046-inches (1.16-mm), 18-gauge, steel tie wire.
7. Wire tying to be no less frequent than mesh clip installation.

B. Frame penetrations for building structure and mechanical/plumbing, openings with “U” cap terminations. Openings with unfinished wire mesh are not acceptable.

3.2 ACCEPTANCE

A. Repair or replace damaged parts, touch-up abraded paint with matching paint.

B. Install partitions level and firm. Adjust hardware to operate smoothly and latch securely.

- - - E N D - - -

REMODEL BUILDING 51, FIRST FLOOR EAST SIDE FOR CLC

4801 VETERANS DRIVE
ST. CLOUD, MN 56303

VA COR:

CONTACT: MICHAEL MCENIRY
ADDRESS: 4801 VETERANS DRIVE
SAINT CLOUD, MN 55303
PHONE: 320-252-1670

ARCHITECT:

NAME: ANDERSON ENGINEERING OF MN, LLC
ADDRESS: 13605 1ST AVE NORTH, SUITE 100
PLYMOUTH, MN 55441
CONTACT: ED MARKFORT
PHONE: 763-412-4000

MECH/PLUMB/FIRE ENGINEER:

NAME: DUNHAM ASSOCIATES INC
ADDRESS: 50 SOUTH SIXTH STREET / SUITE 1100
MINNEAPOLIS, MN 55402-1540
CONTACT: JASON GOTTWALT
PHONE: 612-465-7648

ELECTRICAL ENGINEER:

NAME: DUNHAM ASSOCIATES INC
ADDRESS: 50 SOUTH SIXTH STREET / SUITE 1100
MINNEAPOLIS, MN 55402-1540
CONTACT: BEN ZURN
PHONE: 612-465-7626

STRUCTURAL ENGINEER:

NAME: ANDERSON ENGINEERING OF MN, LLC
ADDRESS: 13605 1ST AVE NORTH, SUITE 100
PLYMOUTH, MN 55441
CONTACT: ADAM ADAMS
PHONE: 763-412-4000

HAZARDOUS MATERIAL:

NAME: INSTITUTE FOR ENVIRONMENTAL ASSESSMENT, INC (IEA, INC.)
ADDRESS: 9201 WEST BROADWAY #600
BROOKLYN PARK, MN 55445
CONTACT: BRANDON VOIGT
PHONE: 763-315-7900

SHEET INDEX

SHEET NO.	SHEET TITLE	CONSTRUCTION DOCUMENTS 8/22/24	UPDATE TO BID DOCUMENTS 5/5/2025
00 GENERAL			
GI001	COVER SHEET	■	■
GI002	ABBREVIATIONS	■	
GI110	LIFE SAFETY PLANS	■	
GC110	INFECTION CONTROL & PHASING PLANS	■	■
GC111	INFECTION CONTROL & PHASING NOTES	■	
GC500	ICRA DETAIL	■	■
01 HAZARD			
48-HA001	FIRST FLOOR HAZARDOUS MATERIALS PLAN - ASBESTOS / LEAD	■	
51-HA001	FIRST FLOOR HAZARDOUS MATERIALS PLAN - ASBESTOS	■	
02 DEMOLITION			
48-AD111	FIRST FLOOR DEMOLITION PLAN	■	■
51-AD111	FIRST FLOOR DEMOLITION PLAN	■	■
03 ARCHITECTURAL			
48-AE110	FIRST FLOOR - FLOOR PLAN AND PARTIAL REFLECTED CEILING PLAN	■	
51-AE110	FIRST FLOOR OVERALL PLAN	■	
51-AE111	FIRST FLOOR PLAN - ZONE 1	■	■
51-AE112	FIRST FLOOR PLAN - ZONE 2	■	■
51-AE113	FIRST FLOOR DIMENSION PLAN	■	
51-AC111	FIRST FLOOR REFLECTED CEILING PLAN	■	
51-AE211	INTERIOR ELEVATIONS	■	
51-AE212	INTERIOR ELEVATIONS	■	
AE550	DETAILS	■	■
AE601	INTERIOR PARTITION TYPES AND DETAILS	■	
AE602	DOOR SCHEDULE AND ELEVATIONS	■	■
AE650	MOUNTING HEIGHTS	■	
04 FINISHES AND FURNITURE			
48-AF110	FIRST FLOOR FINISH PLAN	■	■
51-AF110	FIRST FLOOR FINISH PLAN	■	■
AF600	MATERIAL AND ROOM FINISH SCHEDULE	■	
51-AW110	FIRST FLOOR WAYFINDING PLAN	■	
AW600	WAYFINDING MESSAGE SCHEDULES & SIGNAGE DETAILS	■	
48-IF110	FIRST FLOOR FURNITURE PLAN	■	
51-IF110	FIRST FLOOR FURNITURE PLAN	■	
05 ARCHITECTURAL EQUIPMENT			
51-QH110	FIRST FLOOR EQUIPMENT PLAN	■	
SHEET INDEX - STRUCTURAL			
S101	FIRST AND SECOND FLOOR PLAN	■	
SHEET INDEX - MECHANICAL			
M000	MECHANICAL TITLE SHEET	■	
48-PP101	48-0W BASEMENT - PLUMBING PLAN	■	
48-PP111	48-1W FIRST FLOOR - PLUMBING AND FIRE PROTECTION PLAN	■	
48-MHD110	48-1W FIRST FLOOR - DEMOLITION HVAC PLAN	■	
48-MH110	48-1E FIRST FLOOR - HVAC PLAN	■	
48-MP110	48-1E FIRST FLOOR - PIPING PLAN	■	
51-FPD110	51-1E FIRST FLOOR - DEMOLITION FIRE PROTECTION PLAN	■	
51-FP110	51-1E FIRST FLOOR - FIRE PROTECTION PLAN	■	
51-PPD100	51-0E BASEMENT - DEMOLITION PLUMBING PLAN	■	
51-PPD110	51-1E FIRST FLOOR - DEMOLITION PLUMBING PLAN	■	
51-PMD110	51-1E FIRST FLOOR - DEMOLITION MEDICAL GAS PLAN	■	
51-PP100	51-0E BASEMENT - PLUMBING PLAN ZONE 1	■	
51-PP101	51-0E BASEMENT - PLUMBING PLAN ZONE 2	■	
51-PP110	51-1E FIRST FLOOR - PLUMBING PLAN ZONE 1	■	
51-PP111	51-1E FIRST FLOOR - PLUMBING PLAN ZONE 2	■	
51-PM110	51-1E FIRST FLOOR - MEDICAL GAS PLAN	■	
P500	PLUMBING DETAILS AND SCHEDULES	■	
P501	PLUMBING RISER DIAGRAMS - WASTE AND VENT	■	
P502	PLUMBING RISER DIAGRAMS - DOMESTIC WATER	■	
51-MHD110	51-1E FIRST FLOOR - DEMOLITION HVAC PLAN	■	
51-MPD100	51-0E BASEMENT - DEMOLITION PIPING PLAN	■	
51-MPD110	51-1E FIRST FLOOR - DEMOLITION PIPING PLAN	■	
51-MH110	51-1E FIRST FLOOR - HVAC PLAN ZONE 1	■	
51-MH111	51-1E FIRST FLOOR - HVAC PLAN ZONE 2	■	
51-MP100	51-0E BASEMENT - PIPING PLAN ZONE 1	■	
51-MP101	51-0E BASEMENT - PIPING PLAN ZONE 2	■	
51-MP110	51-1E FIRST FLOOR - PIPING PLAN ZONE 1	■	
51-MP111	51-1E FIRST FLOOR - PIPING PLAN ZONE 2	■	
M500	MECHANICAL DETAILS AND SCHEDULES	■	
M600	SEQUENCES OF OPERATIONS	■	
SHEET INDEX - ELECTRICAL			
E000	ELECTRICAL TITLE SHEET	■	
48-ED110	FIRST FLOOR DEMOLITION ELECTRICAL PLANS	■	
51-ED110	FIRST FLOOR DEMOLITION ELECTRICAL PLANS	■	
51-ED111	FIRST FLOOR DEMOLITION SYSTEM PLAN	■	
48-EL110	FIRST FLOOR LIGHTING PLAN	■	■
48-EP110	FIRST FLOOR POWER PLAN	■	
48-ES110	FIRST FLOOR SYSTEMS PLAN	■	
48-EF110	FIRST FLOOR FIRE ALARM PLAN	■	
51-EE100	BASEMENT ELECTRICAL PLAN	■	
51-EL110	FIRST FLOOR LIGHTING PLAN - ZONE 1	■	■
51-EL111	FIRST FLOOR LIGHTING PLAN - ZONE 2	■	
51-EP110	FIRST FLOOR POWER PLAN - ZONE 1	■	
51-EP111	FIRST FLOOR POWER PLAN - ZONE 2	■	■
51-ES110	FIRST FLOOR SYSTEMS PLAN - ZONE 1	■	■
51-ES111	FIRST FLOOR SYSTEMS PLAN - ZONE 2	■	
51-EF110	FIRST FLOOR FIRE ALARM - ZONE 1	■	
51-EF111	FIRST FLOOR FIRE ALARM PLAN - ZONE 2	■	
E300	ELECTRICAL RISER	■	
E500	ELECTRICAL DETAILS	■	
E501	ELECTRICAL DETAILS	■	
E600	ELECTRICAL SCHEDULES	■	

GUILDMANN CEILING MOUNTED PATIENT LIFTS - FOR REFERENCE

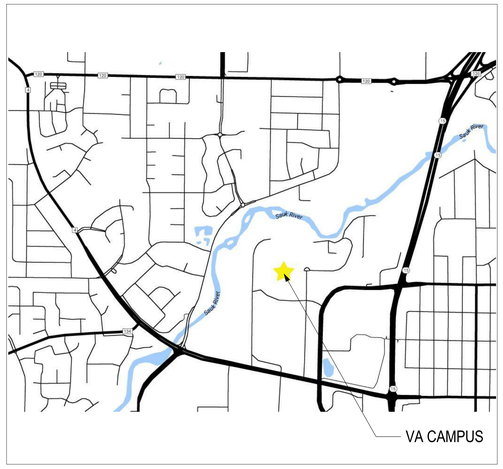
GUL101	FACILITY SIGNOFF
GUL102	GEN. INFO.
GUL103	ATTACHMENT
GUL104	PROJECT DETAILS
GUL105	RM. 111
GUL106	RM. 117
GUL107	RM. 124 & 125
GUL108	RM. 127

LEGEND - SHEET INDEX

	NOT ISSUED
■	ISSUED
R	ISSUED FOR REFERENCE ONLY
N	ISSUED AS NOTED

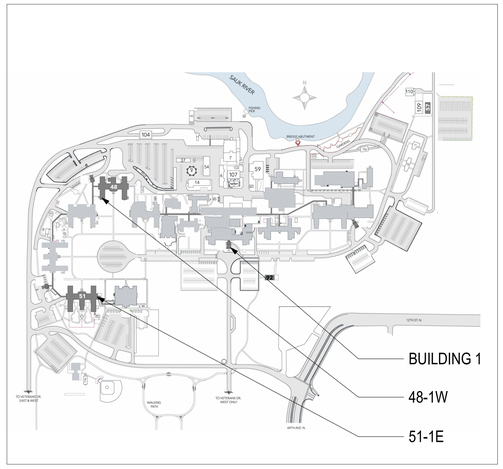
VICINITY MAP SAINT CLOUD, MN:

TRUE NORTH



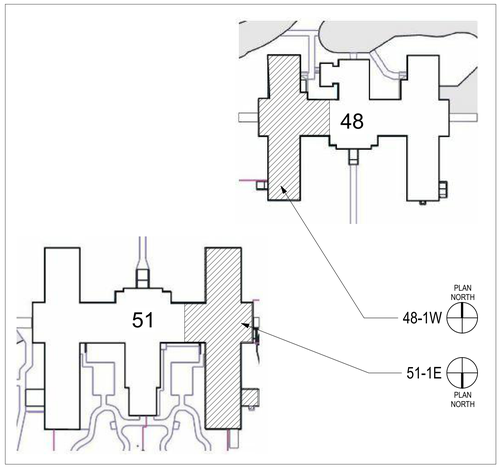
SITE LOCATION MAP VA CAMPUS:

TRUE NORTH



KEY REFERENCE PLAN:

TRUE NORTH



5/19/2025 4:10:25 PM

C:\Users\Public\Documents\Revit Projects\15479_BLDG 51_1st Floor_A23_EMarkfort.rvt

No	REVISION	DATE
1	UPDATE TO BID DOCUMENTS	05/20/25

CONSULTANT

DUNHAM
DUNHAM
50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
PHONE 612.465.7550 FAX 612.465.7551
WEB dunhameng.com
mechanical + electrical consulting engineering

ARCHITECT/ENGINEER OF RECORD

ANDERSON
13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 15479

STAMP

APPROVED: DATE:	APPROVED: PROJECT COR DATE:	APPROVED: PATIENT SAFETY DATE:	APPROVED: EMS MANAGER DATE:	APPROVED: DIRECTOR FMS DATE:	
APPROVED: DATE:	APPROVED: SERVICE LINE DIRECTOR DATE:	APPROVED: SAFETY MANAGER DATE:	APPROVED: MIO MANAGER DATE:	APPROVED: ASSOCIATE DIRECTOR DATE:	
APPROVED: DATE:	APPROVED: GEMS COORDINATOR DATE:	APPROVED: CHIEF OF POLICE DATE:	APPROVED: PROJECTS SECTION MANAGER DATE:	APPROVED: NURSE EXECUTIVE DATE:	
APPROVED: DATE:	APPROVED: INFECTION CONTROL NURSE DATE:	APPROVED: OIT MANAGER DATE:	APPROVED: ASSISTANT CHIEF ENGINEER DATE:	APPROVED: CHIEF OF STAFF DATE:	APPROVED: MEDICAL CENTER DIRECTOR DATE:

DRAWING TITLE: **COVER SHEET**

PROJECT TITLE: **REMODEL BUILDING 51-1 EAST FOR CLC**

DATE: 05/20/2025
PLOT SCALE:
PROJECT NO: 656-19-307
BUILDING No: 51
CHECKED BY: MC
DRAWN: EM
DRAWING NO: GI001
LOCATION: VA MEDICAL CENTER ST.CLOUD, MN 56303
FULLY SPRINKLERED
COVER
DWG OF

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

REMODEL BUILDING 51, FIRST FLOOR EAST SIDE FOR CLC

4801 VETERANS DRIVE
ST. CLOUD, MN 56303

VA COR:

CONTACT: MICHAEL MCENIRY
ADDRESS: 4801 VETERANS DRIVE
SAINT CLOUD, MN 55303
PHONE: 320-252-1670

ARCHITECT:

NAME: ANDERSON ENGINEERING OF MN, LLC
ADDRESS: 13605 1ST AVE NORTH, SUITE 100
PLYMOUTH, MN 55441
CONTACT: ED MARKFORT
PHONE: 763-412-4000

MECH/PLUMB/FIRE ENGINEER:

NAME: DUNHAM ASSOCIATES INC
ADDRESS: 50 SOUTH SIXTH STREET / SUITE 1100
MINNEAPOLIS, MN 55402-1540
CONTACT: JASON GOTTWALT
PHONE: 612-465-7648

ELECTRICAL ENGINEER:

NAME: DUNHAM ASSOCIATES INC
ADDRESS: 50 SOUTH SIXTH STREET / SUITE 1100
MINNEAPOLIS, MN 55402-1540
CONTACT: BEN ZURN
PHONE: 612-465-7626

STRUCTURAL ENGINEER:

NAME: ANDERSON ENGINEERING OF MN, LLC
ADDRESS: 13605 1ST AVE NORTH, SUITE 100
PLYMOUTH, MN 55441
CONTACT: ADAM ADAMS
PHONE: 763-412-4000

HAZARDOUS MATERIAL:

NAME: INSTITUTE FOR ENVIRONMENTAL ASSESSMENT, INC (IEA, INC.)
ADDRESS: 9201 WEST BROADWAY #600
BROOKLYN PARK, MN 55445
CONTACT: BRANDON VOIGT
PHONE: 763-315-7900

SHEET INDEX

SHEET NO.	SHEET TITLE	CONSTRUCTION DOCUMENTS 8/22/24	UPDATE TO BID DOCUMENTS 5/5/2025
00 GENERAL			
GI001	COVER SHEET	■	■
GI002	ABBREVIATIONS	■	
GI110	LIFE SAFETY PLANS	■	
GC110	INFECTION CONTROL & PHASING PLANS	■	■
GC111	INFECTION CONTROL & PHASING NOTES	■	
GC500	ICRA DETAIL	■	■
01 HAZARD			
48-HA001	FIRST FLOOR HAZARDOUS MATERIALS PLAN - ASBESTOS / LEAD	■	
51-HA001	FIRST FLOOR HAZARDOUS MATERIALS PLAN - ASBESTOS	■	
02 DEMOLITION			
48-AD111	FIRST FLOOR DEMOLITION PLAN	■	■
51-AD111	FIRST FLOOR DEMOLITION PLAN	■	■
03 ARCHITECTURAL			
48-AE110	FIRST FLOOR - FLOOR PLAN AND PARTIAL REFLECTED CEILING PLAN	■	
51-AE110	FIRST FLOOR OVERALL PLAN	■	
51-AE111	FIRST FLOOR PLAN - ZONE 1	■	■
51-AE112	FIRST FLOOR PLAN - ZONE 2	■	■
51-AE113	FIRST FLOOR DIMENSION PLAN	■	
51-AC111	FIRST FLOOR REFLECTED CEILING PLAN	■	
51-AE211	INTERIOR ELEVATIONS	■	
51-AE212	INTERIOR ELEVATIONS	■	
AE550	DETAILS	■	■
AE601	INTERIOR PARTITION TYPES AND DETAILS	■	
AE602	DOOR SCHEDULE AND ELEVATIONS	■	■
AE650	MOUNTING HEIGHTS	■	
04 FINISHES AND FURNITURE			
48-AF110	FIRST FLOOR FINISH PLAN	■	■
51-AF110	FIRST FLOOR FINISH PLAN	■	■
AF600	MATERIAL AND ROOM FINISH SCHEDULE	■	
51-AW110	FIRST FLOOR WAYFINDING PLAN	■	
AW600	WAYFINDING MESSAGE SCHEDULES & SIGNAGE DETAILS	■	
48-IF110	FIRST FLOOR FURNITURE PLAN	■	
51-IF110	FIRST FLOOR FURNITURE PLAN	■	
05 ARCHITECTURAL EQUIPMENT			
51-QH110	FIRST FLOOR EQUIPMENT PLAN	■	
SHEET INDEX - STRUCTURAL			
S101	FIRST AND SECOND FLOOR PLAN	■	
SHEET INDEX - MECHANICAL			
M000	MECHANICAL TITLE SHEET	■	
48-PP101	48-0W BASEMENT - PLUMBING PLAN	■	
48-PP111	48-1W FIRST FLOOR - PLUMBING AND FIRE PROTECTION PLAN	■	
48-MHD110	48-1W FIRST FLOOR - DEMOLITION HVAC PLAN	■	
48-MH110	48-1E FIRST FLOOR - HVAC PLAN	■	
48-MP110	48-1E FIRST FLOOR - PIPING PLAN	■	
51-FPD110	51-1E FIRST FLOOR - DEMOLITION FIRE PROTECTION PLAN	■	
51-FP110	51-1E FIRST FLOOR - FIRE PROTECTION PLAN	■	
51-PPD100	51-0E BASEMENT - DEMOLITION PLUMBING PLAN	■	
51-PPD110	51-1E FIRST FLOOR - DEMOLITION PLUMBING PLAN	■	
51-PMD110	51-1E FIRST FLOOR - DEMOLITION MEDICAL GAS PLAN	■	
51-PP100	51-0E BASEMENT - PLUMBING PLAN ZONE 1	■	
51-PP101	51-0E BASEMENT - PLUMBING PLAN ZONE 2	■	
51-PP110	51-1E FIRST FLOOR - PLUMBING PLAN ZONE 1	■	
51-PP111	51-1E FIRST FLOOR - PLUMBING PLAN ZONE 2	■	
51-PM110	51-1E FIRST FLOOR - MEDICAL GAS PLAN	■	
P500	PLUMBING DETAILS AND SCHEDULES	■	
P501	PLUMBING RISER DIAGRAMS - WASTE AND VENT	■	
P502	PLUMBING RISER DIAGRAMS - DOMESTIC WATER	■	
51-MHD110	51-1E FIRST FLOOR - DEMOLITION HVAC PLAN	■	
51-MPD100	51-0E BASEMENT - DEMOLITION PIPING PLAN	■	
51-MPD110	51-1E FIRST FLOOR - DEMOLITION PIPING PLAN	■	
51-MH110	51-1E FIRST FLOOR - HVAC PLAN ZONE 1	■	
51-MH111	51-1E FIRST FLOOR - HVAC PLAN ZONE 2	■	
51-MP100	51-0E BASEMENT - PIPING PLAN ZONE 1	■	
51-MP101	51-0E BASEMENT - PIPING PLAN ZONE 2	■	
51-MP110	51-1E FIRST FLOOR - PIPING PLAN ZONE 1	■	
51-MP111	51-1E FIRST FLOOR - PIPING PLAN ZONE 2	■	
M500	MECHANICAL DETAILS AND SCHEDULES	■	
M600	SEQUENCES OF OPERATIONS	■	
SHEET INDEX - ELECTRICAL			
E000	ELECTRICAL TITLE SHEET	■	
48-ED110	FIRST FLOOR DEMOLITION ELECTRICAL PLANS	■	
51-ED110	FIRST FLOOR DEMOLITION ELECTRICAL PLANS	■	
51-ED111	FIRST FLOOR DEMOLITION SYSTEM PLAN	■	
48-EL110	FIRST FLOOR LIGHTING PLAN	■	
48-EP110	FIRST FLOOR POWER PLAN	■	
48-ES110	FIRST FLOOR SYSTEMS PLAN	■	
48-EF110	FIRST FLOOR FIRE ALARM PLAN	■	
51-EE100	BASEMENT ELECTRICAL PLAN	■	
51-EL110	FIRST FLOOR LIGHTING PLAN - ZONE 1	■	
51-EL111	FIRST FLOOR LIGHTING PLAN - ZONE 2	■	
51-EP110	FIRST FLOOR POWER PLAN - ZONE 1	■	
51-EP111	FIRST FLOOR POWER PLAN - ZONE 2	■	
51-ES110	FIRST FLOOR SYSTEMS PLAN - ZONE 1	■	
51-ES111	FIRST FLOOR SYSTEMS PLAN - ZONE 2	■	
51-EF110	FIRST FLOOR FIRE ALARM - ZONE 1	■	
51-EF111	FIRST FLOOR FIRE ALARM PLAN - ZONE 2	■	
E300	ELECTRICAL RISER	■	
E500	ELECTRICAL DETAILS	■	
E501	ELECTRICAL DETAILS	■	
E600	ELECTRICAL SCHEDULES	■	

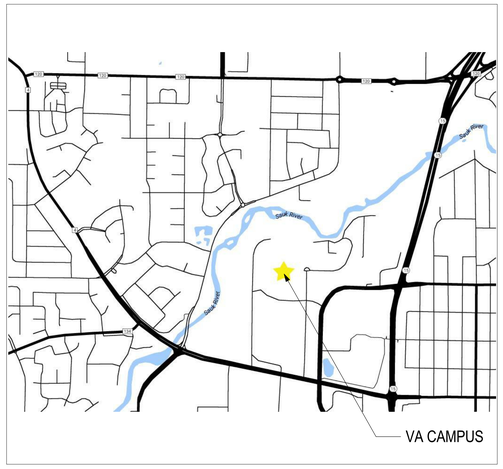
GUILDMANN CEILING MOUNTED PATIENT LIFTS - FOR REFERENCE

GUL101	FACILITY SIGNOFF
GUL102	GEN. INFO.
GUL103	ATTACHMENT
GUL104	PROJECT DETAILS
GUL105	RM. 111
GUL106	RM. 117
GUL107	RM. 124 & 125
GUL108	RM. 127

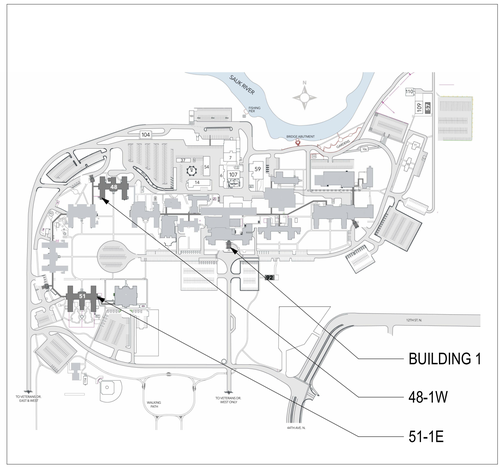
LEGEND - SHEET INDEX

	NOT ISSUED
■	ISSUED
R	ISSUED FOR REFERENCE ONLY
N	ISSUED AS NOTED

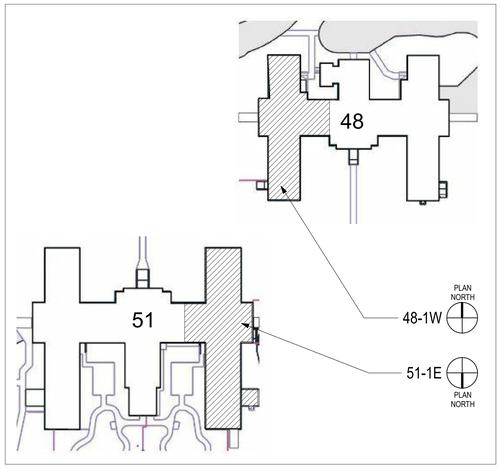
VICINITY MAP SAINT CLOUD, MN:



SITE LOCATION MAP VA CAMPUS:



KEY REFERENCE PLAN:



5/16/2025 1:40:13 PM

C:\Users\Public\Documents\Revit Projects\15479_BLDG 51_1st Floor_A23_EMarkfort.rvt

No	REVISION	DATE
1	UPDATE TO BID DOCUMENTS	05/20/25

CONSULTANT

DUNHAM
DUNHAM
50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
PHONE 612.465.7550 FAX 612.465.7551
WEB dunhameng.com
mechanical + electrical consulting engineering

ARCHITECT/ENGINEER OF RECORD

ANDERSON
13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 15479

STAMP

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.
Signature: Tom Olesak
Typed or Printed Name: Tom Olesak
Date: 08/27/24 License Number: 18157

APPROVED: DATE:	APPROVED: PROJECT COR DATE:	APPROVED: PATIENT SAFETY DATE:	APPROVED: EMS MANAGER DATE:	APPROVED: DIRECTOR FMS DATE:	
APPROVED: DATE:	APPROVED: SERVICE LINE DIRECTOR DATE:	APPROVED: SAFETY MANAGER DATE:	APPROVED: MIO MANAGER DATE:	APPROVED: ASSOCIATE DIRECTOR DATE:	
APPROVED: DATE:	APPROVED: GEMS COORDINATOR DATE:	APPROVED: CHIEF OF POLICE DATE:	APPROVED: PROJECTS SECTION MANAGER DATE:	APPROVED: NURSE EXECUTIVE DATE:	
APPROVED: DATE:	APPROVED: INFECTION CONTROL NURSE DATE:	APPROVED: OIT MANAGER DATE:	APPROVED: ASSISTANT CHIEF ENGINEER DATE:	APPROVED: CHIEF OF STAFF DATE:	

DRAWING TITLE: COVER SHEET

APPROVED: MEDICAL CENTER DIRECTOR DATE:

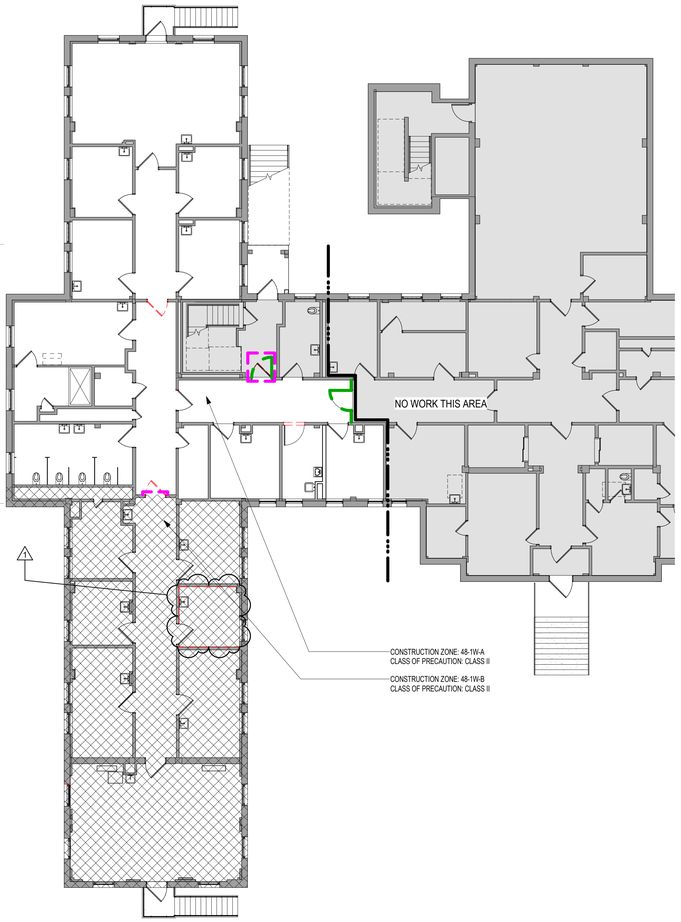
PROJECT TITLE: REMODEL BUILDING 51-1 EAST FOR CLC

DATE: 08/23/2024
PLOT SCALE:
PROJECT NO: 656-19-307

BUILDING No.	CHECKED BY	DRAWN	DRAWING NO.
51	MC	EM	GI001

LOCATION: VA MEDICAL CENTER ST.CLOUD, MN 56303
FULLY SPRINKLERED
COVER
DWG. OF

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

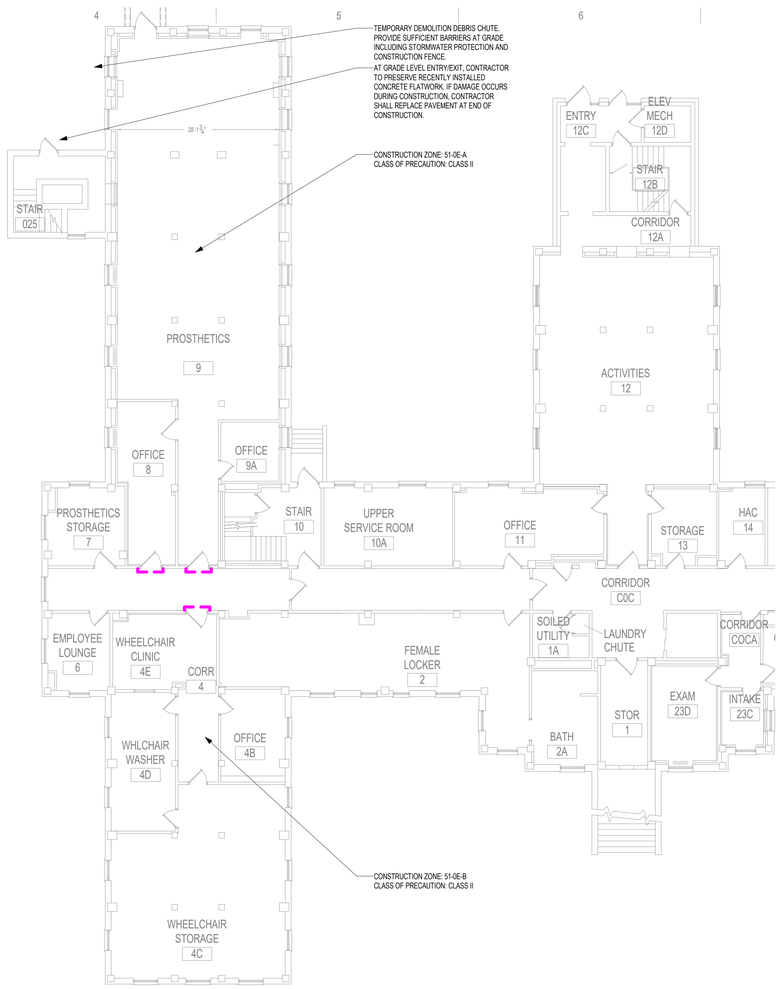


NORTH

1 BUILDING 48 - FIRST FLOOR - ICRA, CONSTRUCTION BARRIER & PHASING PLAN

3/32" = 1'-0"

0 5'-4" 10'-8" 21'-4"

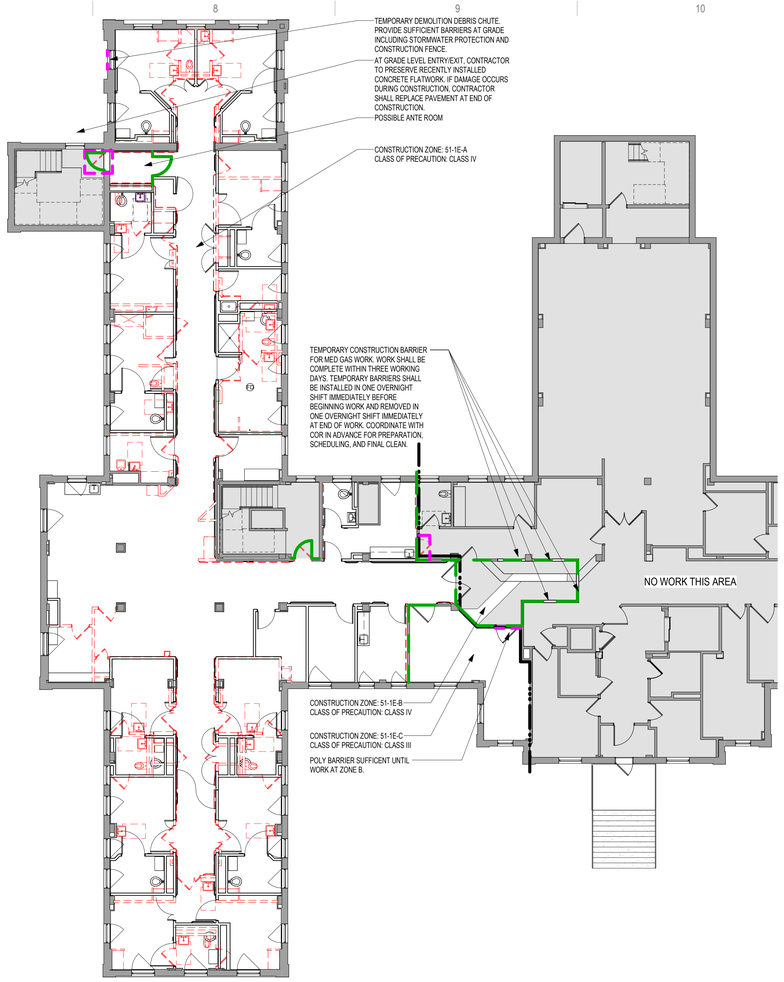


PLAN NORTH

3 BUILDING 51 - BASEMENT - ICRA, CONSTRUCTION BARRIER & PHASING PLAN

3/32" = 1'-0"

0 5'-4" 10'-8" 21'-4"

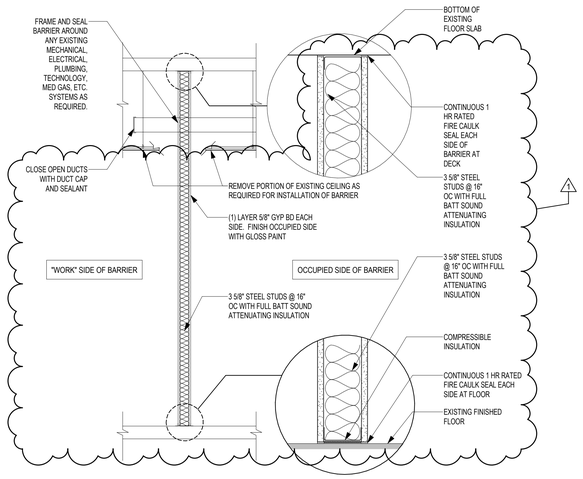


PLAN NORTH

2 BUILDING 51 - FIRST FLOOR - ICRA, CONSTRUCTION BARRIER & PHASING PLAN

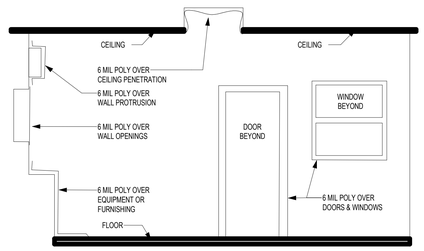
3/32" = 1'-0"

0 5'-4" 10'-8" 21'-4"



4 TYP DUST PROOF BARRIER

1/2" = 1'-0"



NOTES:
1. ALL CORNERS TO FORM 90 ANGLE WITH NO RADIUS
2. SEAL ALL SIDES OF POLY WITH DUCT TAPE
3. SEAL ALL CRACKS WITH DUCT TAPE.

5 CRITICAL BARRIER PREPARATION / INSTALLATION

12" = 1'-0"

INFECTION CONTROL RISK ASSESSMENT (ICRA) BY PROJECT AREA USE AND PHASE

48-1W MODIFICATIONS

48-1W-A
CONSTRUCTION PROJECT ACTIVITY: TYPE C
INFECTION CONTROL RISK GROUP: GROUP LOW RISK
CLASS OF PRECAUTION: CLASS II

48-1W-B
CONSTRUCTION PROJECT ACTIVITY: TYPE C
INFECTION CONTROL RISK GROUP: GROUP LOW RISK
CLASS OF PRECAUTION: CLASS II

51-1E REMODEL

51-0E-A
CONSTRUCTION PROJECT ACTIVITY: TYPE C
INFECTION CONTROL RISK GROUP: GROUP LOW RISK
CLASS OF PRECAUTION: CLASS II

51-0E-B
CONSTRUCTION PROJECT ACTIVITY: TYPE C
INFECTION CONTROL RISK GROUP: GROUP LOW RISK
CLASS OF PRECAUTION: CLASS II

51-1E-A
CONSTRUCTION PROJECT ACTIVITY: TYPE D
INFECTION CONTROL RISK GROUP: GROUP HIGH RISK
CLASS OF PRECAUTION: CLASS IV

51-1E-B MED GAS WORK AT EXIST NURSE STATION
CONSTRUCTION PROJECT ACTIVITY: TYPE C
INFECTION CONTROL RISK GROUP: GROUP HIGH RISK
CLASS OF PRECAUTION: CLASS IV

51-1E-C MECHANICAL WORK IN EXIST OFFICE 106
CONSTRUCTION PROJECT ACTIVITY: TYPE C
INFECTION CONTROL RISK GROUP: GROUP MEDIUM RISK
CLASS OF PRECAUTION: CLASS III

INFECTION CONTROL RISK ASSESSMENT (ICRA) LEGEND

	LIMITS OF CONSTRUCTION
	1 HOUR FIRE RATED ICRA / CONSTRUCTION BARRIER LOCATION, AND DOOR, WHERE SHOWN
	TEMPORARY NON-RATED (PLASTIC SHEETING) CONSTRUCTION BARRIER LOCATION, WHERE APPROVED BY THE VA FOR USE IN RISK TYPE C. UPGRADE TO 1 HOUR RATED PARTITION WHEN DIRECTED BY THE VA

No	REVISION	DATE
1	UPDATE TO BID DOCUMENTS	05/20/25

CONSULTANT

DUNHAM

DUNHAM
50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
PHONE 612.465.7550 FAX 612.465.7551
WEB dunhameng.com
mechanical + electrical consulting engineering

ARCHITECT/ENGINEER OF RECORD

ANDERSON

13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 15479

STAMP

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.
Signature:
Typed or Printed Name: Tom Olesak
Date: 08/27/24 License Number: 18157

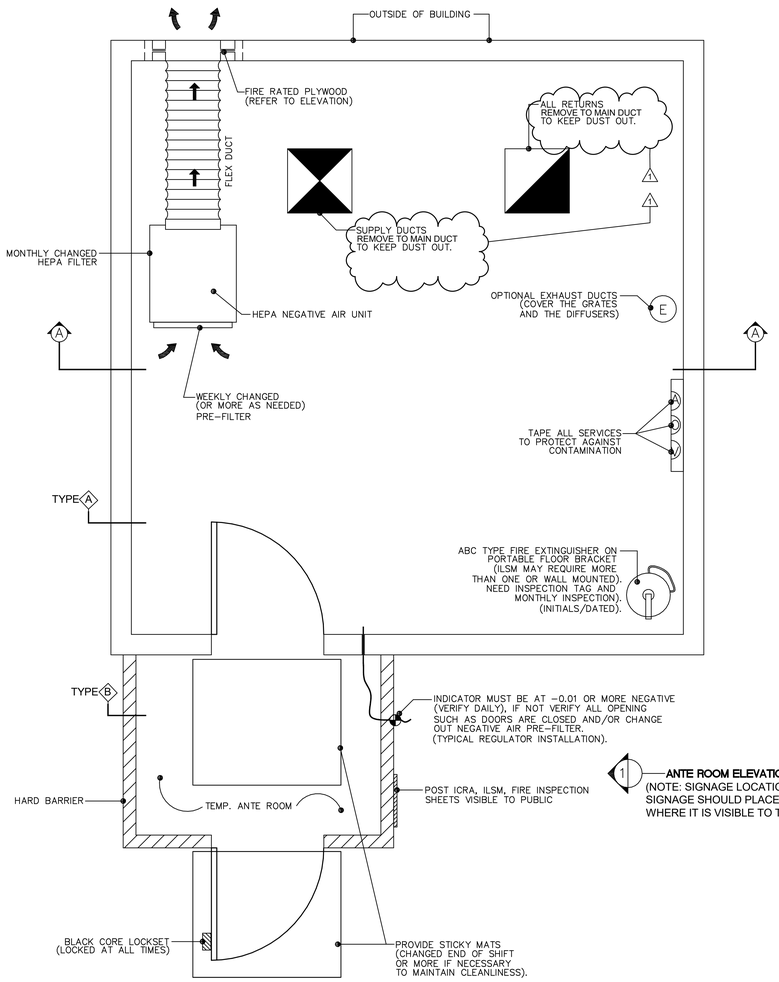
DRAWING TITLE: INFECTION CONTROL & PHASING PLANS

PROJECT TITLE: REMODEL BUILDING 51-1 EAST FOR CLC

DATE: 08/23/2024
PLOT SCALE:
PROJECT NO: 656-19-307
BUILDING No:
CHECKED BY: MC
DRAWN BY: EM
DRAWING NO: GC110
LOCATION: VA MEDICAL CENTER ST.CLOUD, MN 56303
FULLY SPRINKLERED:
DWG OF

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

5/15/2025 1:40:20 PM
C:\Users\Public\Documents\Revit Projects\15479_BLDG 51_1st Floor_A23_EMarkfort.rvt

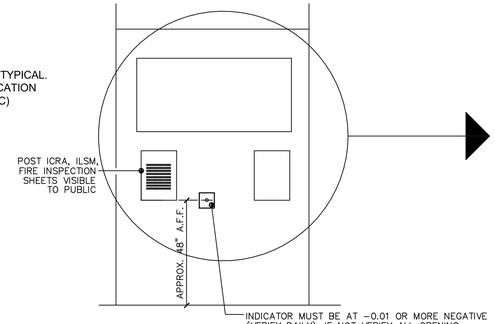


TYPICAL IDEAL CONSTRUCTION LAYOUT CLASS III, IV

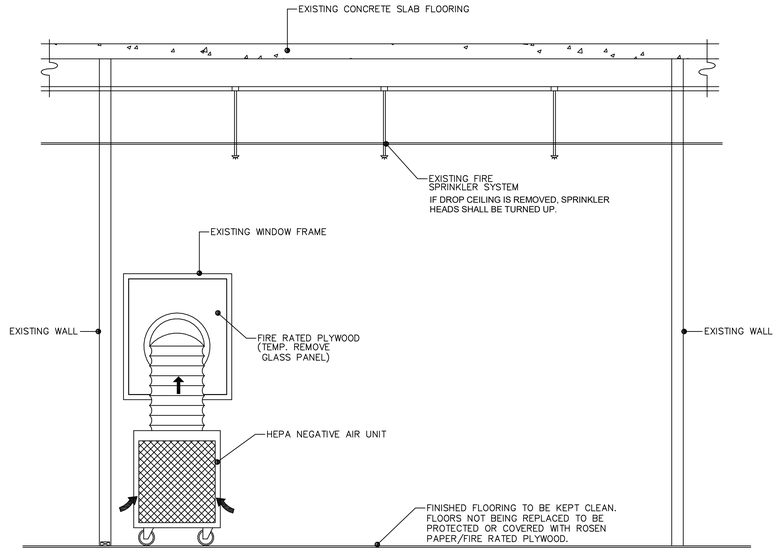
SCALE: 1/2"=1'-0"

1 — **ANTE ROOM ELEVATION**

(NOTE: SIGNAGE LOCATION IS NOT TYPICAL. SIGNAGE SHOULD PLACED IN A LOCATION WHERE IT IS VISIBLE TO THE PUBLIC)

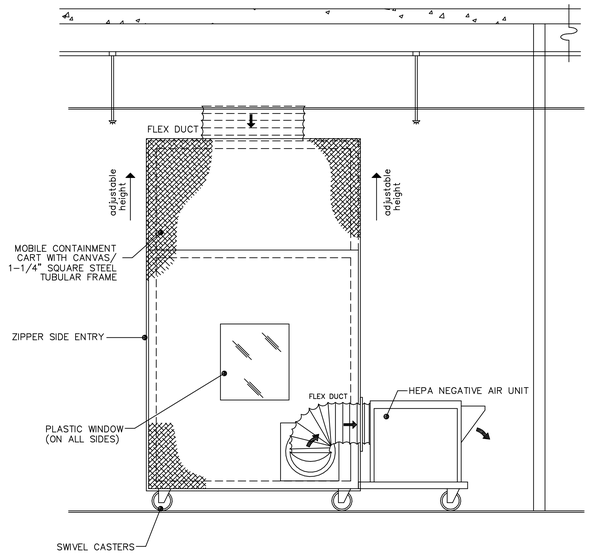


ANTE ROOM ELEVATION 1



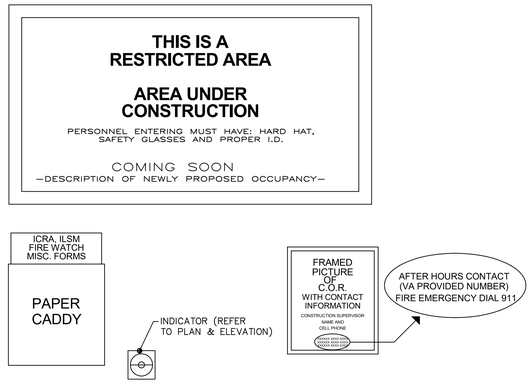
CROSS-SECTION 'A-A' CLASS III, IV

SCALE: 1/2"=1'-0"



MOBILE CONTAINMENT CART (CONST. BARRIER TYPES)

SCALE: 1/2"=1'-0"



5/15/2025 1:40:21 PM

C:\Users\Public\Documents\Revit Projects\15479_BLDG 51_1st Floor_A23_EMarkfort.rvt

No	REVISION	DATE
1	UPDATE TO BID DOCUMENTS	05/20/25

CONSULTANT

DUNHAM

DUNHAM
50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
PHONE 612.465.7550 FAX 612.465.7551
WEB dunhameng.com
mechanical + electrical consulting engineering

ARCHITECT/ENGINEER OF RECORD

ANDERSON

13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 15479

STAMP

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota
Signature:
Typed or Printed Name: Tom Chesak
Date: 06/27/24 License Number: 18157

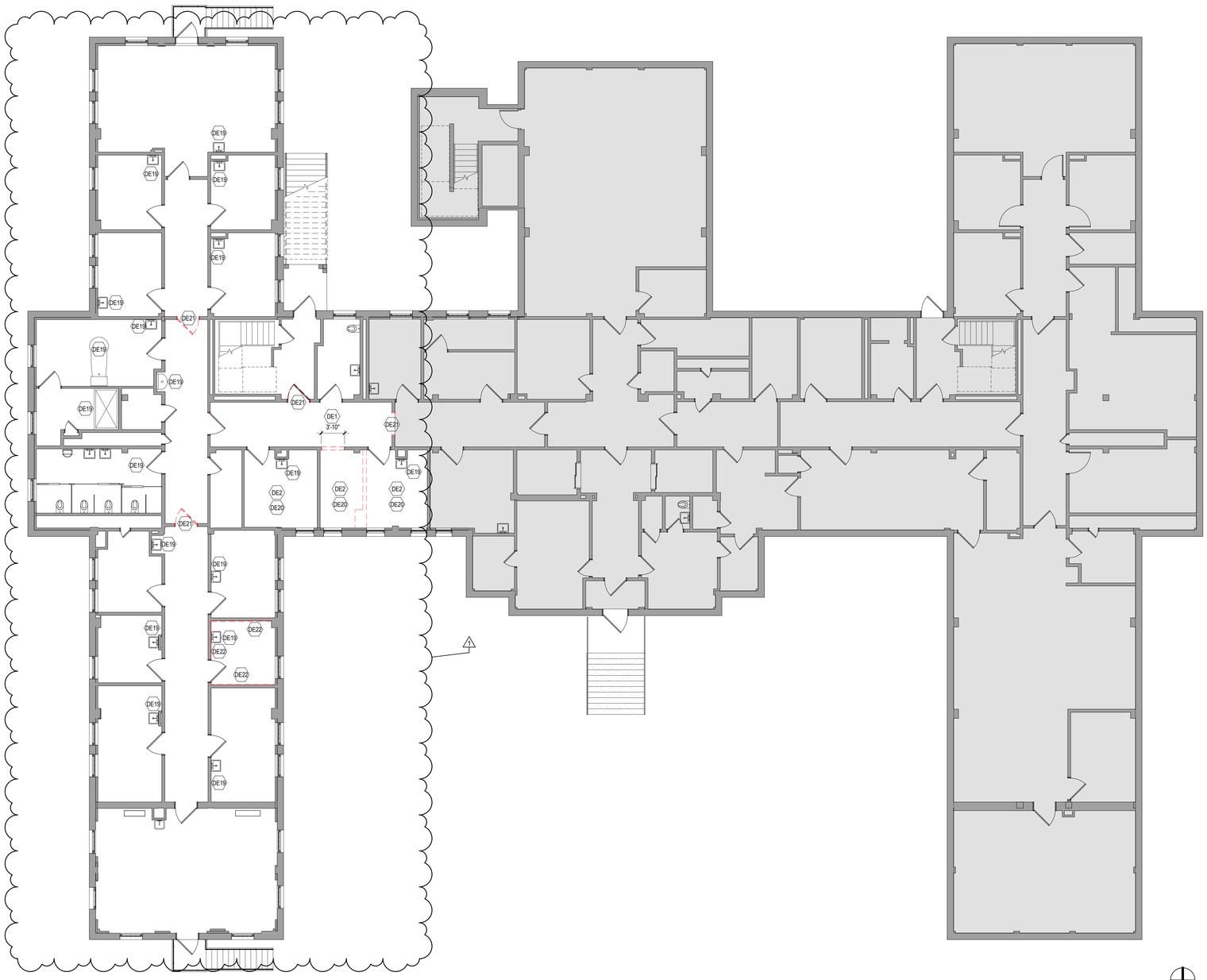
DRAWING TITLE: **ICRA DETAIL**

PROJECT TITLE: **REMODEL BUILDING 51-1 EAST FOR CLC**

LOCATION: VA MEDICAL CENTER ST.CLOUD, MN 56303 — FULLY SPRINKLERED

DATE	08/23/2024
PLOT SCALE	
PROJECT NO.	656-19-307
BUILDING No.	
CHECKED BY	
DRAWN	
DRAWING NO.	GC500
DWG. OF	

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System



1 FIRST FLOOR DEMOLITION PLAN
1/8" = 1'-0"

0 4' 8' 16'

DEMOLITION PLAN KEYED NOTES

- DE1 REMOVE AND DISPOSE A PORTION OF WALL AS REQUIRED FOR INSTALLATION OF A DOOR AND FRAME. MODIFY HANDRAIL FOR OPENING.
- DE2 REMOVE AND DISPOSE A PORTION OF 2X4 ACOUSTICAL TILE CEILING IN THIS ROOM
- DE3 PATCH AND REPAIR WALL AFTER DEMOLITION. PREPARE WALL FOR NEW FINISHES
- DE4 REMOVE EXISTING PORTION OF HANDRAIL
- DE5 REMOVE PORTION OF CEILING AS REQUIRED FOR MECHANICAL AND ELECTRICAL INSTALLATIONS
- DE6 REMOVE AND DISPOSE EXISTING DOOR, FRAME, AND ASSOCIATED HARDWARE
- DE7 REMOVE AND DISPOSE OF PARTITION INCLUDING BRACING, SOUND INSULATION, AND WALL FINISHES, REWORK ANY ELECTRICAL OR MECHANICAL INSTALLATIONS LOCATED ON THIS PORTION OF WALL
- DE8 REMOVE AND DISPOSE ROUND COLUMN COVERS
- DE9 REMOVE AND DISPOSE DROPPED GYP BD CEILING
- DE10 REMOVE AND DISPOSE MILLWORK
- DE11 REMOVE AND DISPOSE PLUMBING FIXTURES
- DE12 REMOVE AND DISPOSE CERAMIC TILE FROM REMAINING WALLS. PATCH AND PREPAIR SURFACE FOR NEW FINISH
- DE13 REMOVE AND DISPOSE MODULAR OFFICE PARTITION AND ANY ASSOCIATED COMPONENT
- DE14 REMOVE AND DISPOSE MEMORY BOXES
- DE15 REMOVE AND STORE LIFT TRACK AND LIFT EQUIPMENT FOR REINSTALLATION
- DE16 REMOVE AND DISPOSE CURTAIN TRACK
- DE17 REMOVE AND DISPOSE FINISH FLOORING
- DE18 REMOVE AND DISPOSE CERAMIC TILE FLOORING. PATCH AND PREPARE SURFACE FOR NEW FINISH
- DE19 EXISTING FIXTURE, TO REMAIN
- DE20 REMOVE EXISTING FLOOR FINISH AND PREPARE SPACE FOR CONSTRUCTION AND FINISHES, SEE FLOOR PLAN AND FINISH SCHEDULE
- DE21 REMOVE DOOR AND HARDWARE. MODIFY OPENING AS INDICATED ON OPENING SCHEDULE
- DE22 REMOVE GYP BD LAYER AT PARTITION, PREPARE FOR WIRE MESH, REPLACMENT GYP BD, AND FINISHES.
- DE23 PARTIALLY REMOVE CONCRETE DECK FOR SHOWER CONSTRUCTION. SLOPE DOWN MAXIMUM 1/4" PER FOOT. TOP OF DRAIN COVER = FFE -½". SEE PLAN AND DETAILS. SEE MECHANICAL
- DE24 PARTIALLY REMOVE CONCRETE DECK FOR BATHTUB FLOOR DRAIN. SLOPE DOWN TO TOP OF DRAIN COVER = FFE -1". SEE MECHANICAL P500
- DE25 EXIST MECHANICAL CHASE TO REMAIN
- DE26 REMOVE DOOR AND FRAME PREPARE WALL FOR INFILL. MATCH EXISTING.
- DE27 TYPICAL, INTERIOR SECURITY WINDOW AND WINDOW TREATMENT TO REMAIN. SEE FLOOR PLAN.
- DE28 SALVAGE FOR REUSE. REMOVE INTERIOR SECURITY WINDOW TO ACCOMODATE PLAN. SEE FLOOR PLAN. PREPARE EXIST EXTERIOR WINDOW FOR BLACKOUT FILM AND OPENING FOR INFILL.
- DE29 SALVAGE FOR REUSE. CAREFULLY REMOVE FIRE ALARM SECURABLE PULL. SEE FLOOR PLAN.
- DE30 SALVAGE FOR REUSE. CAREFULLY REMOVE FIRE ALARM SECURABLE FIRE EXTINGUISHER CABINET. SEE FLOOR PLAN.
- DE31 SEE MECHANICAL FOR HVAC MODIFICATIONS

NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN

DEMOLITION GENERAL NOTES

1. GENERAL CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK, PHASING AND SEQUENCING WITH THE OWNER. ANY INFORMATION REGARDING SEQUENCING PROVIDED IN THESE DOCUMENTS IS FOR ARCHITECT - OWNER PLANNING PURPOSES ONLY, UNLESS NOTED OTHERWISE.
2. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL TRADES FOR THE DEMOLITION WORK REQUIRED FOR THIS PROJECT.
3. WHERE PARTITIONS ARE INDICATED TO BE REMOVED, REMOVE PARTITION ALONG WITH ALL ITEMS CONTAINED WITHIN, INCLUDING DOORS, FRAMES, HARDWARE, SIDELIGHTS, WINDOWS, MECHANICAL AND ELECTRICAL EQUIPMENT, ETC. TO STRUCTURE ABOVE; UNLESS NOTED OTHERWISE.
4. WHERE FLOOR FINISH IS INDICATED TO BE DEMOLISHED, REMOVE FINISH TO FLOOR SLAB AS REQUIRED AND PREPARE SLAB SURFACE FOR SCHEDULED FINISHES WITHIN AREA TO BE REMODELED, UNLESS NOTED OTHERWISE. SEE FINISH SCHEDULE FOR EXISTING FLOOR FINISHES TO REMAIN UNDISTURBED.
5. WHERE CEILING IS INDICATED TO BE DEMOLISHED, REMOVE CEILING SUSPENSION SYSTEM ALONG WITH ALL ASSOCIATED MECHANICAL AND ELECTRICAL ITEMS, UNLESS NOTED OTHERWISE. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR EXTENT OF CONDUIT, PIPING AND DUCTWORK DEMOLITION WITHIN AREA TO BE REMODELED.
6. WHERE INDICATED, REMOVE ALL WALL/PARTITION EXISTING FINISHES AND PREPARE THE SURFACES FOR SCHEDULED FINISHES, SEE FINISH SCHEDULE FOR FINISHES.
7. ALL DISTURBED AREAS, WALLS, PARTITIONS, FLOORS, ETC, DAMAGED BY DEMOLITION WORK SHALL BE PATCHED TO MATCH ADJACENT AREA.
8. OWNER RESERVES THE RIGHT OF FIRST REFUSAL OF ALL SALVAGED ITEMS SUCH AS: DOORS, LIGHT FIXTURES, PLUMBING FIXTURES ETC.
9. SALVAGED ITEMS SCHEDULED FOR REUSE SHALL BE CLEANED, RESTORED AND/OR REFINISHED TO LIKE NEW CONDITION, UNLESS NOTED OTHERWISE.
10. DO NOT REMOVE ANY EXISTING STRUCTURAL SUPPORT MEMBERS SUCH AS COLUMNS, BEAMS, JOISTS, LOAD-BEARING PARTITIONS ETC, UNTIL ADEQUATE PERMANENT OR TEMPORARY SUPPORT IS IN PLACE. ALL EXISTING STRUCTURAL MEMBERS SHALL BE ADEQUATELY PROTECTED, COORDINATE WITH STRUCTURAL ENGINEER.
11. SEE STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR RELATED DEMOLITION AND PREP WORK.
12. WALL AND CEILING MOUNTED ITEMS SHOWN DASHED, SUCH AS WALL CABINETS, SHELVING, CUBICLE CURTAIN TRACKS, PROJECTION SCREENS ETC, SHALL BE REMOVED, UNLESS NOTED OTHERWISE.
13. WITHIN ALL EXISTING ROOMS/SPACES RECEIVING SCHEDULED FLOOR, OR WALL, OR CEILING FINISHES, REMOVE ALL EXISTING FLOOR, OR WALL, OR CEILING FINISHES DOWN TO THE SUBSTRATE. INCLUDE THE REMOVAL OF ALL ITEMS LOCATED WITHIN THE EXISTING FINISH REMOVALS UNO PATCH AND PREP ALL SUBSTRATES TO RECEIVE SCHEDULED FINISHES. FOR ADDITIONAL INFORMATION, SEE KEYNOTED ITEMS, FINISH PLANS AND/OR SCHEDULES, STRUCTURAL, MECHANICAL AND ELECTRICAL.

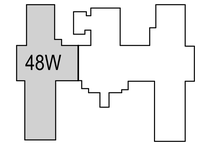
DEMOLITION PLAN SYMBOLS

	EXISTING WALL TO REMAIN		EXISTING DOOR AND FRAME TO REMAIN
	WALL OR PARTITION TO BE REMOVED		EXISTING DOOR AND FRAME TO BE DEMOLISHED
	DASHED LINE INDICATES ITEM TO BE REMOVED (UNO)	DE10	KEY NOTE
A	GRIDLINE		

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

KEY PLAN

PLAN NORTH



5/15/2025 1:40:22 PM

C:\Users\Public\Documents\Revit Projects\15479_BLDG 51_1st Floor_A23_EMankfort.rvt

No	REVISION	DATE
1	UPDATE TO BID DOCUMENTS	05/20/25

CONSULTANT

DUNHAM
DUNHAM
50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
PHONE 612.465.7550 FAX 612.465.7551
WEB dunhameng.com
mechanical + electrical consulting engineering

ARCHITECT/ENGINEER OF RECORD

ANDERSON
13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 15479

STAMP

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota
Signature:
Typed or Printed Name: Tom Olesiak
Date: 08/27/24 License Number: 18157

DRAWING TITLE
FIRST FLOOR DEMOLITION PLAN

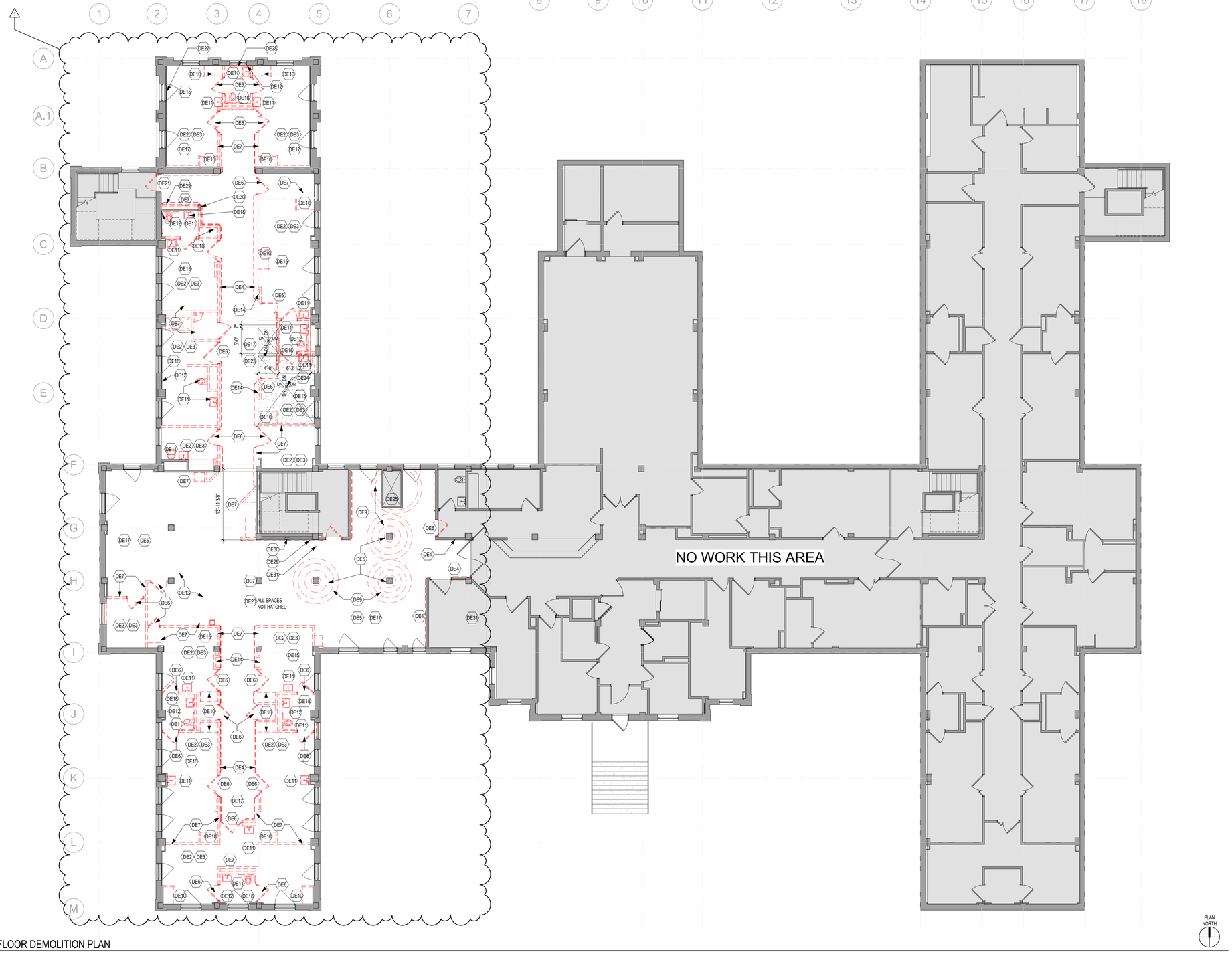
PROJECT TITLE
REMODEL BUILDING 51-1 EAST FOR CLC

DATE: 08/23/2024
PLOT SCALE:
PROJECT NO: 656-19-307

BUILDING No	CHECKED BY	DRAWN	DRAWING NO.
48	MC	EM	48-AD111

LOCATION: VA MEDICAL CENTER ST.CLOUD, MN 56303
FULLY SPRINKLERED
DWG OF

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System



1 FIRST FLOOR DEMOLITION PLAN
1/8" = 1'-0"

PLAN NORTH

0 4' 8' 16'

DEMOLITION PLAN KEYED NOTES

- DE1 REMOVE AND DISPOSE A PORTION OF WALL AS REQUIRED FOR INSTALLATION OF A DOOR AND FRAME. MODIFY HANDRAIL FOR OPENING.
- DE2 REMOVE AND DISPOSE A PORTION OF 2X4 ACOUSTICAL TILE CEILING IN THIS ROOM
- DE3 PATCH AND REPAIR WALL AFTER DEMOLITION. PREPARE WALL FOR NEW FINISHES
- DE4 REMOVE EXISTING PORTION OF HANDRAIL
- DE5 REMOVE PORTION OF CEILING AS REQUIRED FOR MECHANICAL AND ELECTRICAL INSTALLATIONS
- DE6 REMOVE AND DISPOSE EXISTING DOOR, FRAME, AND ASSOCIATED HARDWARE
- DE7 REMOVE AND DISPOSE OF PARTITION INCLUDING BRACING, SOUND INSULATION, AND WALL FINISHES, REWORK ANY ELECTRICAL OR MECHANICAL INSTALLATIONS LOCATED ON THIS PORTION OF WALL
- DE8 REMOVE AND DISPOSE ROUND COLUMN COVERS
- DE9 REMOVE AND DISPOSE DROPPED GYP BD CEILING
- DE10 REMOVE AND DISPOSE MILLWORK
- DE11 REMOVE AND DISPOSE PLUMBING FIXTURES
- DE12 REMOVE AND DISPOSE CERAMIC TILE FROM REMAINING WALLS. PATCH AND PREPAIR SURFACE FOR NEW FINISH
- DE13 REMOVE AND DISPOSE MODULAR OFFICE PARTITION AND ANY ASSOCIATED COMPONENT
- DE14 REMOVE AND DISPOSE MEMORY BOXES
- DE15 REMOVE AND STORE LIFT TRACK AND LIFT EQUIPMENT FOR REINSTALLATION
- DE16 REMOVE AND DISPOSE CURTAIN TRACK
- DE17 REMOVE AND DISPOSE FINISH FLOORING
- DE18 REMOVE AND DISPOSE CERAMIC TILE FLOORING. PATCH AND PREPARE SURFACE FOR NEW FINSH
- DE19 EXISTING FIXTURE. TO REMAIN
- DE20 REMOVE EXISTING FLOOR FINISH AND PREPARE SPACE FOR CONSTRUCTION AND FINISHES. SEE FLOOR PLAN AND FINISH SCHEDULE
- DE21 REMOVE DOOR AND HARDWARE. MODIFY OPENING AS INDICATED ON OPENING SCHEDULE
- DE22 REMOVE GYP BD LAYER AT PARTITION, PREPARE FOR WIRE MESH, REPLACMENT GYP BD, AND FINISHES
- DE23 PARTIALLY REMOVE CONCRETE DECK FOR SHOWER CONSTRUCTION. SLOPE DOWN MAXIMUM 1/4" PER FOOT. TOP OF DRAIN COVER = FFE -½". SEE PLAN AND DETAILS. SEE MECHANICAL
- DE24 PARTIALLY REMOVE CONCRETE DECK FOR BATHTUB FLOOR DRAIN. SLOPE DOWN TO TOP OF DRAIN COVER = FFE -1". SEE MECHANICAL P500
- DE25 EXIST MECHANICAL CHASE TO REMAIN
- DE26 REMOVE DOOR AND FRAME PREPARE WALL FOR INFILL. MATCH EXISTING.
- DE27 TYPICAL, INTERIOR SECURITY WINDOW AND WINDOW TREATMENT TO REMAIN. SEE FLOOR PLAN.
- DE28 SALVAGE FOR REUSE. REMOVE INTERIOR SECURITY WINDOW TO ACCOMODATE PLAN. SEE FLOOR PLAN. PREPARE EXIST EXTERIOR WINDOW FOR BLACKOUT FILM AND OPENING FOR INFILL.
- DE29 SALVAGE FOR REUSE. CAREFULLY REMOVE FIRE ALARM SECURABLE PULL. SEE FLOOR PLAN.
- DE30 SALVAGE FOR REUSE. CAREFULLY REMOVE FIRE ALARM SECURABLE FIRE EXTINGUISHER CABINET. SEE FLOOR PLAN.
- DE31 SEE MECHANICAL FOR HVAC MODIFICATIONS

NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN

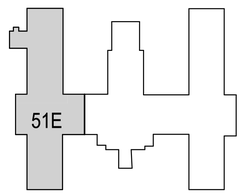
DEMOLITION PLAN SYMBOLS

	EXISTING WALL TO REMAIN		EXISTING DOOR AND FRAME TO REMAIN
	WALL OR PARTITION TO BE REMOVED		EXISTING DOOR AND FRAME TO BE DEMOLISHED
	DASHED LINE INDICATES ITEM TO BE REMOVED (UNO)	(DE10)	KEY NOTE
A	GRIDLINE		

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

KEY PLAN

PLAN NORTH TRUE NORTH



5/15/2025 1:40:26 PM

C:\Users\Public\Documents\Revit Projects\15479_BLDG 51_1st Floor_A23_EMarkfort.rvt

No	REVISION	DATE
1	UPDATE TO BID DOCUMENTS	05/20/25

CONSULTANT
DUNHAM
DUNHAM
50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
PHONE 612.465.7550 FAX 612.465.7551
WEB dunhameng.com
mechanical + electrical consulting engineering

ARCHITECT/ENGINEER OF RECORD
ANDERSON
13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 15479

STAMP

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.
Signature:
Typed or Printed Name: Tom Olesak
Date: 06/27/24 License Number: 18157

DRAWING TITLE
FIRST FLOOR DEMOLITION PLAN

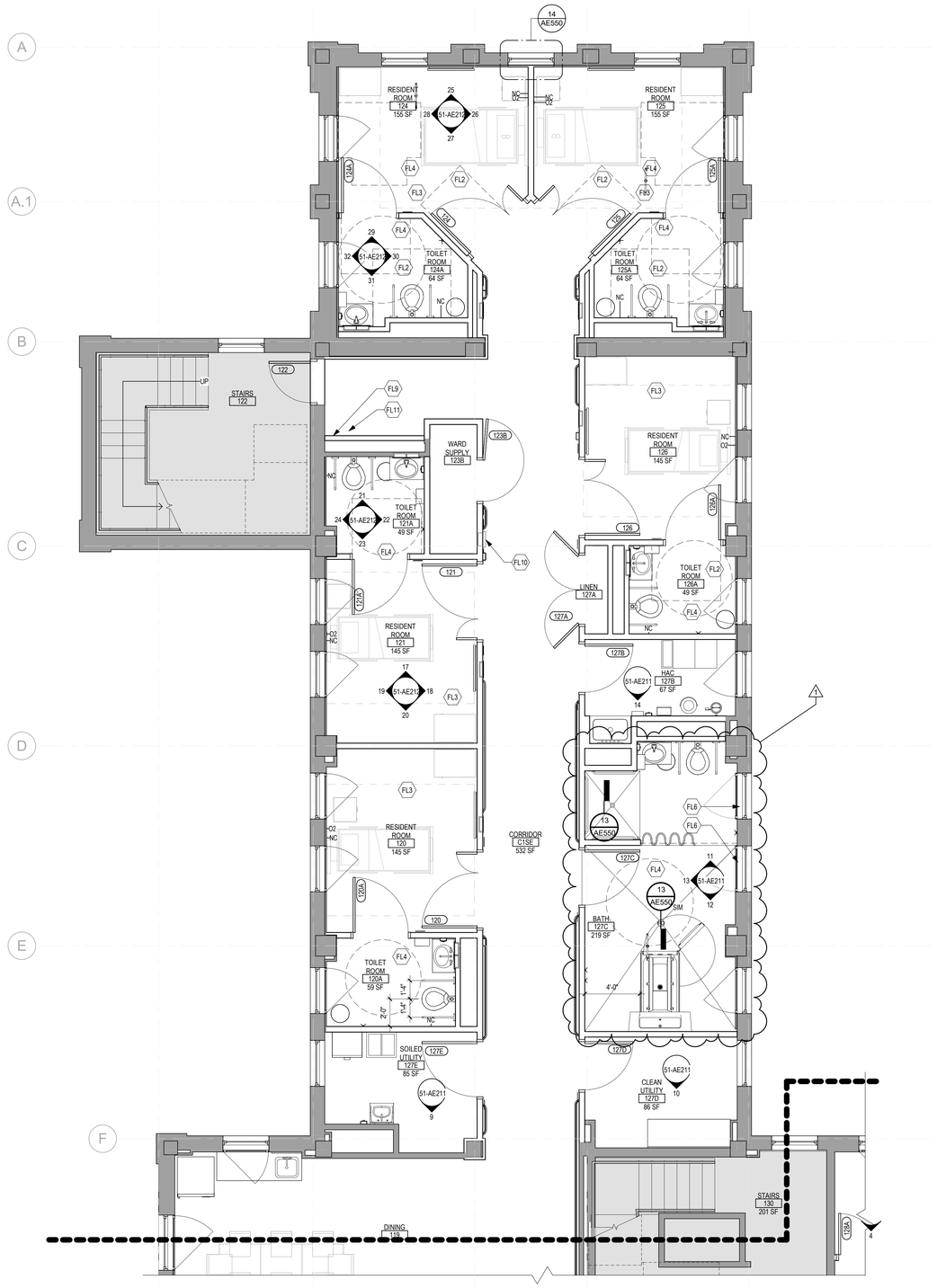
PROJECT TITLE
REMODEL BUILDING 51-1 EAST FOR CLC

DATE 08/23/2024
PLOT SCALE
PROJECT NO 656-19-307

BUILDING No	CHECKED BY	DRAWN	DRAWING NO
51	MC	EM	51-AD111

LOCATION VA MEDICAL CENTER ST.CLOUD, MN 56303 | FULLY SPRINKLERED | DWG OF

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System



1 51-1 FLOOR PLAN - ZONE 1

1/4" = 1'-0"

0 4' 8' 16'

PLAN NORTH

FLOOR PLAN SYMBOLS

	EXISTING WALL TO REMAIN	8'-0"	DIMENSION LINE, NOMINAL
	WALL	8'-0"	EXTENDED DIMENSION LINE, NOMINAL
	EXISTING DOOR AND FRAME TO REMAIN	1A AE211 2B	INTERIOR ELEVATION INDICATOR TAG
101A	DOOR	1A AE201	EXTERIOR ELEVATION INDICATOR TAG
101B	INTERIOR BORROWED LIGHT	203	EQUIPMENT TAG
B3	WALL TAG	100	FLOOR SPOT ELEVATION
OFFICE 101	ROOM NAME AND NUMBER	1A AE501	DETAIL REFERENCE TAG
FP10	KEY NOTE		
1A AE201	INTERIOR SECTION REFERENCE TAG	1A AE201	EXTERIOR SECTION REFERENCE TAG
PR01	REVISION TAG		REVISION CLOUD
A	GRIDLINE		

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

GENERAL NOTES

1. THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS AND LIMITS OF CONSTRUCTION WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. INCIDENTAL WORK MAY BE NECESSARY IN AREAS NOT SHOWN ON ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING ELECTRICAL, MECHANICAL AND PLUMBING ALONG WITH OTHER SYSTEMS. THIS INCIDENTAL WORK SHALL BE PART OF THIS CONTRACT, AND ALL TRADES SHALL INSPECT THESE AREAS, ASCERTAIN WORK REQUIRED AND DO THE WORK IN ACCORDANCE OF CONTRACT REQUIREMENTS AT NO ADDITIONAL COST.
2. CONTRACTORS SHALL VISIT THE SITE DURING BIDDING TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS. THE GENERAL CONTRACTOR SHALL LOCATE, INSPECT AND FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO DEMOLITION AND CONSTRUCTION. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
3. DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
4. WHEREVER OPENINGS ARE CUT THROUGH FIRE RATED PARTITIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR WHOM THE HOLE IS CUT TO PATCH AND REPAIR ANY OPENING TO MAINTAIN THE INTEGRITY OF THE FIRE RATING.
5. GENERAL CONTRACTOR TO CHECK MECHANICAL DRAWINGS FOR EXISTING PIPES AND DUCTS FURRED IN WALLS. VERIFY SIZE AND LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO PROCEEDING WITH REMODELING.
6. FIREPROOFING SHALL BE UNPIERCED. ANY SUBCONTRACTOR PENETRATING THE FIREPROOFING SHALL BE REQUIRED TO REPLACE FIREPROOFING TO THE ORIGINAL CONDITION AND FIRE RATING, AT THE SUBCONTRACTORS EXPENSE.
7. EQUIPMENT UNIT DIMENSIONS ARE FOR PRODUCT DESCRIPTION ONLY, VERIFY SIZE WITH MANUFACTURER.
8. ALL DIMENSIONS PERTAINING TO MECHANICAL OR ELECTRICAL SERVICES OR EQUIPMENT SHALL BE VERIFIED WITH THE RESPECTIVE TRADE.
9. ALL CONTRACTORS THAT PENETRATE AND/OR DISTURB ANY AREAS AT EXISTING CONDITIONS SHALL PATCH AREA TO MATCH EXISTING ADJACENT AREA OR SURFACE AND PREPARE FOR SCHEDULED FINISH APPLICATION. COORDINATE WORK WITH GENERAL CONTRACTOR PRIOR TO PROCEEDING.
10. VERIFY HEIGHTS AND LOCATIONS OF ACCESS PANELS (AP) AND COORDINATE TYPES WITH TRADES WHICH REQUIRE THEM.
11. PROVIDE LINTELS AND FRAMING FOR GRILLES, LOUVERS, AND ROOF VENTS AS REQUIRED BY MECHANICAL CONTRACTOR, VERIFY SIZE AND LOCATION.
12. STRUCTURAL, MECHANICAL, AND ELECTRICAL ABBREVIATIONS AND SYMBOLS MAY DIFFER FROM ARCHITECTURAL. SEE RESPECTIVE SECTIONS AND/OR DRAWINGS FOR DEFINITIONS.
13. AT MECHANICAL AND ELECTRICAL EQUIPMENT ROOMS, PROVIDE 3/4" FRT PLYWOOD BACKING BEHIND ALL SURFACE MOUNTED FIXTURES AND EQUIPMENT, UNLESS NOTED OTHERWISE.
14. CONTRACTOR SHALL EVALUATE INTEGRITY OF ALL PARTITIONS INDICATED BY SYMBOLS ON THE LIFE SAFETY PLAN(S) WITHIN THE PROJECT SCOPE AND UPGRADE AS REQUIRED. ALL FIRE RESISTIVE RATED WALLS SHALL BE CONSTRUCTED OF MATERIALS / ASSEMBLIES MEETING THE RATING INDICATED, TERMINATE AT THE DECK ABOVE WITH A TESTED HEAD OF WALL ASSEMBLY AND ALL PENETRATIONS SHALL BE SEALED WITH A TESTED ASSEMBLY. ALL SMOKE PARTITIONS SHALL BE CONSTRUCTED OF MATERIALS THAT RESIST THE PASSAGE OF SMOKE. TERMINATE AT THE DECK ABOVE WITH A JOINT SEALED WITH FIRE CAULK AND ALL PENETRATIONS SHALL BE SEALED WITH FIRE CAULK.

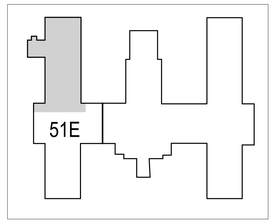
FLOOR PLAN KEYED NOTES

- FL1 CLEAR FLOOR AREA AT PLUMBING FIXTURE
- FL2 DOOR OPENING CLEARANCE
- FL3 CLEARANCE AT BED
- FL4 TURN RADIUS
- FL5 INSTALL SALVAGED S.E.A.L. STYLE WINDOW
- FL6 PROVIDE S.E.A.L. STYLE WINDOW AND BLIND TO MATCH EXISTING OPENINGS
- FL7 PROVIDE METAL SECURITY SCREEN AT EXTERIOR WINDOW
- FL8 PROVIDE WIRE MESH AT OUTSIDE FACE OF STUD ON MEDICATION ROOM PARTITIONS. ON EAST WALL OF 51-107, APPLY MESH TO FACE OF GYP BD AND COVER WITH 5/8" GYP BD. FINISH AS SCHEDULED
- FL9 INSTALL SALVAGED SECURABLE FIRE ALARM PULL
- FL10 INSTALL SALVAGED SECURABLE FIRE EXTINGUISHER CABINET
- FL11 REPLACE FLOOR MOUNTED CLEANOUT CAP
- FL12 INFILL OPENING, MATCH ADJACENT ONE HOUR PARTITION CONSTRUCTION. ALIGN TO EXISTING. FINISH BOTH SIDES.
- FL13
- FL14
- FL15

NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN

KEY PLAN

PLAN NORTH TRUE NORTH



No	REVISION	DATE
1	UPDATE TO BID DOCUMENTS	05/20/25

CONSULTANT

DUNHAM
DUNHAM
50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
PHONE 612.465.7550 FAX 612.465.7551
WEB dunhameng.com
mechanical + electrical consulting engineering

ARCHITECT/ENGINEER OF RECORD

ANDERSON
13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 15479

STAMP

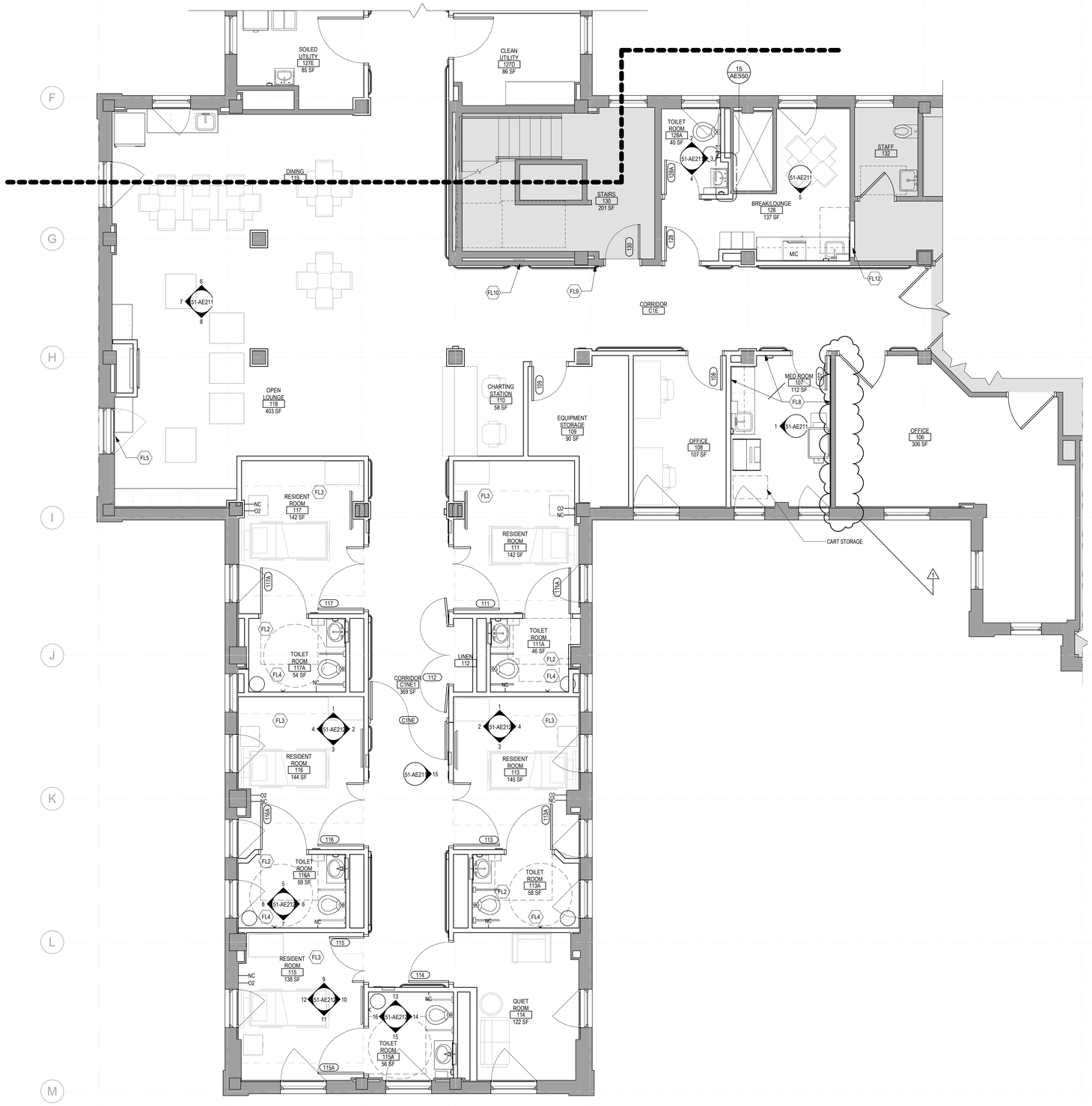
DRAWING TITLE: FIRST FLOOR PLAN - ZONE 1

PROJECT TITLE: REMODEL BUILDING 51-1 EAST FOR CLC

DATE: 08/23/2024
PLOT SCALE:
PROJECT NO: 656-19-307
BUILDING No: 51
CHECKED BY: MC
DRAWN: EM
DRAWING NO: 51-AE111
LOCATION: VA MEDICAL CENTER ST.CLOUD, MN 56303
FULLY SPRINKLERED
DWG. OF

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

5/15/2025 3:44:05 PM
C:\Users\Public\Documents\Revit Projects\15479_BLDG 51_1st Floor_A23_EMankfort.rvt



1 51-1 FLOOR PLAN - ZONE 2
1/4" = 1'-0"

FLOOR PLAN SYMBOLS

	EXISTING WALL TO REMAIN	8'-0"	DIMENSION LINE, NOMINAL
	WALL	8'-0"	EXTENDED DIMENSION LINE, NOMINAL
	EXISTING DOOR AND FRAME TO REMAIN	1A AE211 2B	INTERIOR ELEVATION INDICATOR TAG
101A	DOOR	1A AE201	EXTERIOR ELEVATION INDICATOR TAG
101B	INTERIOR BORROWED LIGHT	203	EQUIPMENT TAG
B3	WALL TAG	100	FLOOR SPOT ELEVATION
OFFICE 101	ROOM NAME AND NUMBER	1A AE501	DETAIL REFERENCE TAG
FP10	KEY NOTE		
1A AE201	INTERIOR SECTION REFERENCE TAG	1A AE201	EXTERIOR SECTION REFERENCE TAG
PR01	REVISION TAG		REVISION CLOUD
A	GRIDLINE		

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

GENERAL NOTES

1. THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS AND LIMITS OF CONSTRUCTION WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. INCIDENTAL WORK MAY BE NECESSARY IN AREAS NOT SHOWN ON ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING ELECTRICAL, MECHANICAL AND PLUMBING ALONG WITH OTHER SYSTEMS. THIS INCIDENTAL WORK SHALL BE PART OF THIS CONTRACT, AND ALL TRADES SHALL INSPECT THESE AREAS. ASCERTAIN WORK REQUIRED AND DO THE WORK IN ACCORDANCE OF CONTRACT REQUIREMENTS AT NO ADDITIONAL COST.
2. CONTRACTORS SHALL VISIT THE SITE DURING BIDDING TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS. THE GENERAL CONTRACTOR SHALL LOCATE, INSPECT AND FIELD VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO DEMOLITION AND CONSTRUCTION. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
3. DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES.
4. WHEREVER OPENINGS ARE CUT THROUGH FIRE RATED PARTITIONS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR WHOM THE HOLE IS CUT TO PATCH AND REPAIR ANY OPENING TO MAINTAIN THE INTEGRITY OF THE FIRE RATING.
5. GENERAL CONTRACTOR TO CHECK MECHANICAL DRAWINGS FOR EXISTING PIPES AND DUCTS FURRED IN WALLS. VERIFY SIZE AND LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO PROCEEDING WITH REMODELING.
6. FIREPROOFING SHALL BE UNPIERCED. ANY SUBCONTRACTOR PENETRATING THE FIREPROOFING SHALL BE REQUIRED TO REPLACE FIREPROOFING TO THE ORIGINAL CONDITION AND FIRE RATING, AT THE SUBCONTRACTORS EXPENSE.
7. EQUIPMENT UNIT DIMENSIONS ARE FOR PRODUCT DESCRIPTION ONLY, VERIFY SIZE WITH MANUFACTURER.
8. ALL DIMENSIONS PERTAINING TO MECHANICAL OR ELECTRICAL SERVICES OR EQUIPMENT SHALL BE VERIFIED WITH THE RESPECTIVE TRADE.
9. ALL CONTRACTORS THAT PENETRATE AND/OR DISTURB ANY AREAS AT EXISTING CONDITIONS SHALL PATCH AREA TO MATCH EXISTING ADJACENT AREA OR SURFACE AND PREPARE FOR SCHEDULED FINISH APPLICATION. COORDINATE WORK WITH GENERAL CONTRACTOR PRIOR TO PROCEEDING.
10. VERIFY HEIGHTS AND LOCATIONS OF ACCESS PANELS (AP) AND COORDINATE TYPES WITH TRADES WHICH REQUIRE THEM.
11. PROVIDE LINTELS AND FRAMING FOR GRILLES, LOUVERS, AND ROOF VENTS AS REQUIRED BY MECHANICAL CONTRACTOR, VERIFY SIZE AND LOCATION.
12. STRUCTURAL, MECHANICAL, AND ELECTRICAL ABBREVIATIONS AND SYMBOLS MAY DIFFER FROM ARCHITECTURAL. SEE RESPECTIVE SECTIONS AND/OR DRAWINGS FOR DEFINITIONS.
13. AT MECHANICAL AND ELECTRICAL EQUIPMENT ROOMS, PROVIDE 3/4" FRT PLYWOOD BACKING BEHIND ALL SURFACE MOUNTED FIXTURES AND EQUIPMENT, UNLESS NOTED OTHERWISE.
14. CONTRACTOR SHALL EVALUATE INTEGRITY OF ALL PARTITIONS INDICATED BY SYMBOLS ON THE LIFE SAFETY PLAN(S) WITHIN THE PROJECT SCOPE AND UPGRADE AS REQUIRED. ALL FIRE RESISTIVE RATED WALLS SHALL BE CONSTRUCTED OF MATERIALS / ASSEMBLIES MEETING THE RATING INDICATED, TERMINATE AT THE DECK ABOVE WITH A TESTED HEAD OF WALL ASSEMBLY AND ALL PENETRATIONS SHALL BE SEALED WITH A TESTED ASSEMBLY. ALL SMOKE PARTITIONS SHALL BE CONSTRUCTED OF MATERIALS THAT RESIST THE PASSAGE OF SMOKE. TERMINATE AT THE DECK ABOVE WITH A JOINT SEALED WITH FIRE CAULK AND ALL PENETRATIONS SHALL BE SEALED WITH FIRE CAULK.

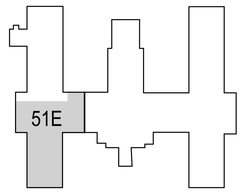
FLOOR PLAN KEYED NOTES

FL1	CLEAR FLOOR AREA AT PLUMBING FIXTURE
FL2	DOOR OPENING CLEARANCE
FL3	CLEARANCE AT BED
FL4	TURN RADIUS
FL5	INSTALL SALVAGED S.E.A.L. STYLE WINDOW
FL6	PROVIDE S.E.A.L. STYLE WINDOW AND BLIND TO MATCH EXISTING OPENINGS
FL7	PROVIDE METAL SECURITY SCREEN AT EXTERIOR WINDOW
FL8	PROVIDE WIRE MESH AT OUTSIDE FACE OF STUD ON MEDICATION ROOM PARTITIONS. ON EAST WALL OF 51-107, APPLY MESH TO FACE OF GYP BD AND COVER WITH 5/8" GYP BD. FINISH AS SCHEDULED
FL9	INSTALL SALVAGED SECURABLE FIRE ALARM PULL
FL10	INSTALL SALVAGED SECURABLE FIRE EXTINGUISHER CABINET
FL11	REPLACE FLOOR MOUNTED CLEANOUT CAP
FL12	INFILL OPENING, MATCH ADJACENT ONE HOUR PARTITION CONSTRUCTION. ALIGN TO EXISTING. FINISH BOTH SIDES.
FL13	
FL14	
FL15	

NOTE: NOT ALL KEYED NOTES MAY BE USED ON EACH PLAN

KEY PLAN

PLAN NORTH



No	REVISION	DATE
1	UPDATE TO BID DOCUMENTS	05/20/25

CONSULTANT

DUNHAM
50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
PHONE 612.465.7550 FAX 612.465.7551
WEB dunhameng.com
mechanical + electrical consulting engineering

ARCHITECT/ENGINEER OF RECORD

ANDERSON
13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 15479

STAMP

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.
Signature:
Typed or Printed Name: Tom Olesiak
Date: 08/27/24 License Number: 18157

DRAWING TITLE: FIRST FLOOR PLAN - ZONE 2

PROJECT TITLE: REMODEL BUILDING 51-1 EAST FOR CLC

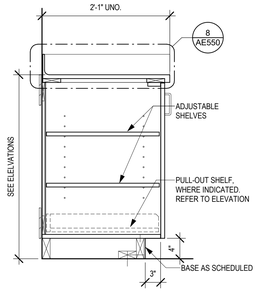
DATE: 08/23/2024
PLOT SCALE:
PROJECT NO: 656-19-307

BUILDING No	CHECKED BY	DRAWN	DRAWING NO
51	MC	EM	51-AE112

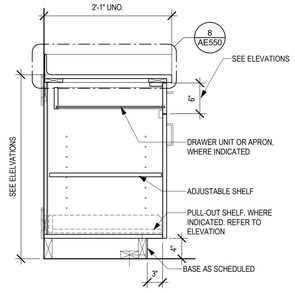
LOCATION: VA MEDICAL CENTER ST CLOUD, MN 56303
FULLY SPRINKLERED
DWG OF

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

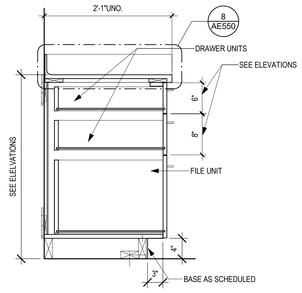
5/15/2025 1:40:31 PM
C:\Users\Public\Documents\Revit Projects\15479_BLDG 51_1st Floor_A23_EMarkfort.rvt



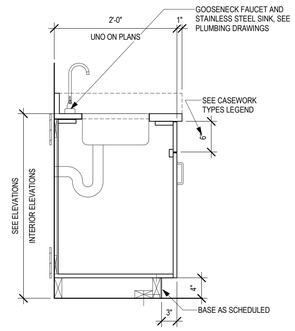
1 BASE CABINET
1" = 1'-0"



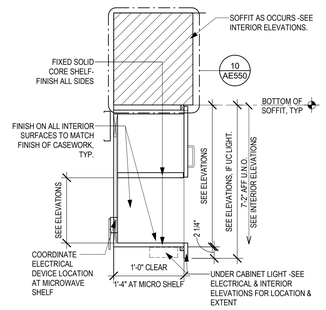
2 BASE CABINET DRAWER & DOOR
1" = 1'-0"



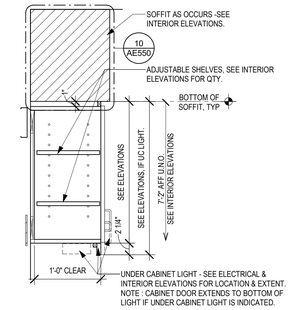
3 BASE CABINET 3, 2 DRAWER W/FILE
1" = 1'-0"



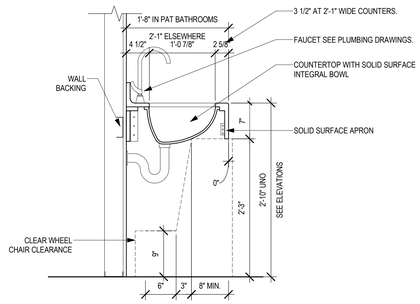
4 BASE CABINET W/ SINK
1" = 1'-0"



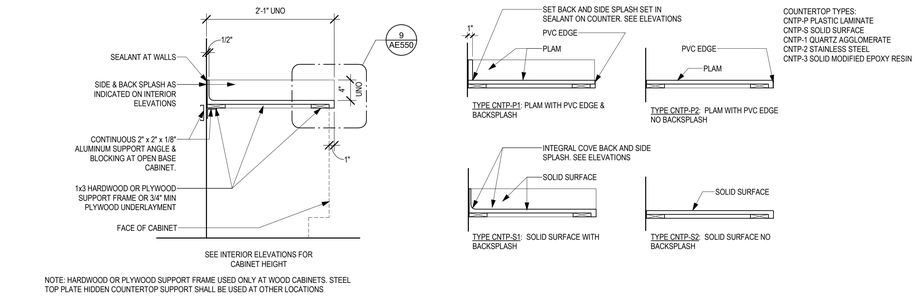
5 WALL CABINET APPLIANCE SHELVES
1" = 1'-0"



6 WALL CABINET WITH DOOR
1" = 1'-0"

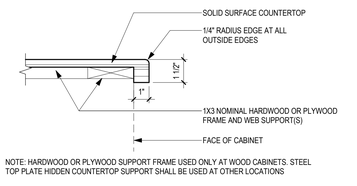


7 CABINET WITH SINK AND APRON
1" = 1'-0"



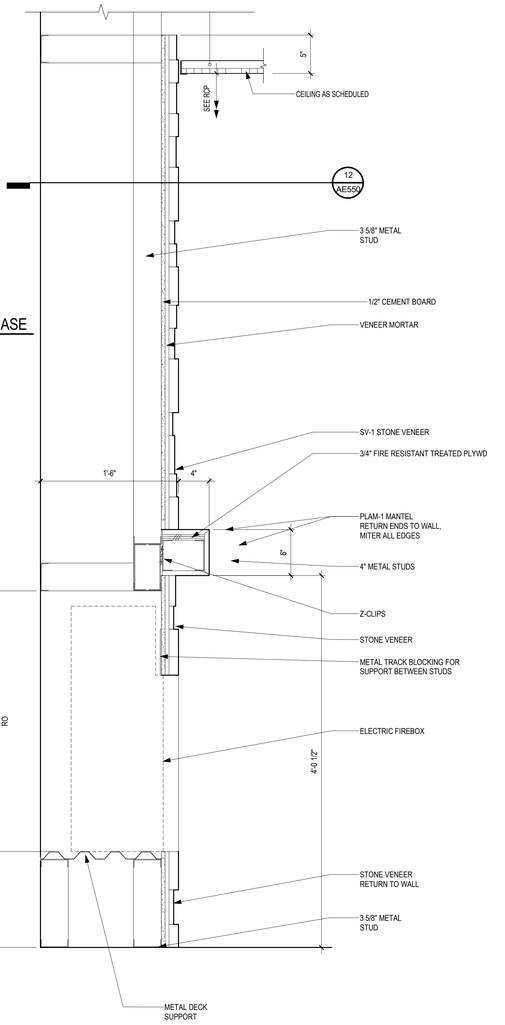
NOTE: HARDWOOD OR PLYWOOD SUPPORT FRAME USED ONLY AT WOOD CABINETS. STEEL TOP PLATE HIDDEN COUNTERTOP SUPPORT SHALL BE USED AT OTHER LOCATIONS

8 COUNTERTOP TYPES (CNTP)
1" = 1'-0"

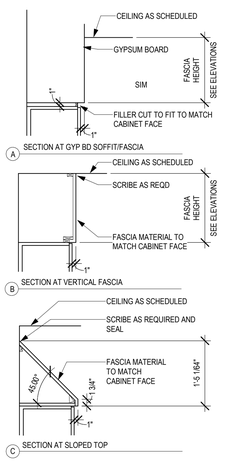


NOTE: HARDWOOD OR PLYWOOD SUPPORT FRAME USED ONLY AT WOOD CABINETS. STEEL TOP PLATE HIDDEN COUNTERTOP SUPPORT SHALL BE USED AT OTHER LOCATIONS

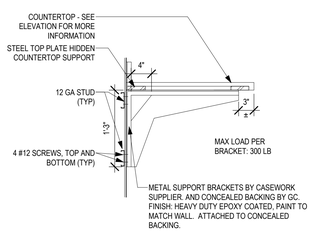
9 COUNTERTOP - SOLID SURFACE EDGE WITH CASEWORK BASE
3" = 1'-0"



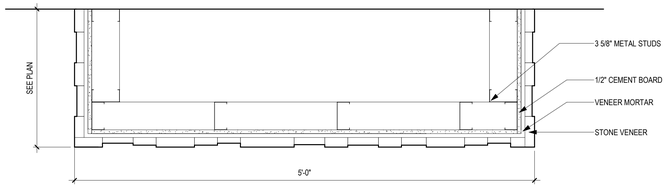
16 SECTION DETAIL - LIVING ROOM FIREPLACE
1 1/2" = 1'-0"



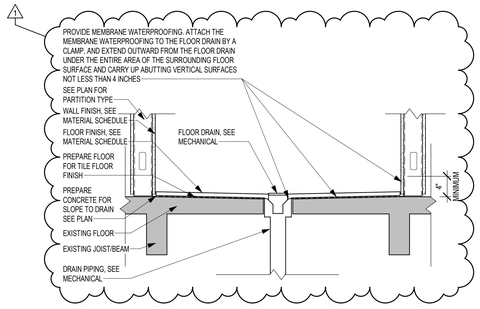
10 CASEWORK SOFFIT/FASCIA TYPES
3/4" = 1'-0"



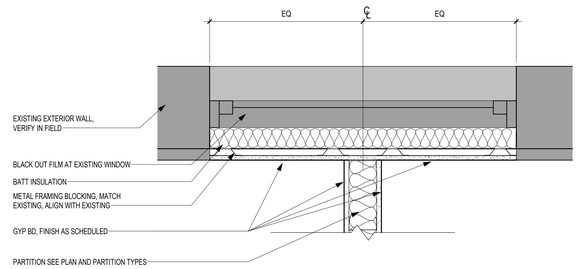
11 COUNTERTOP SUPPORT BRACKET AND BACKING
1" = 1'-0"



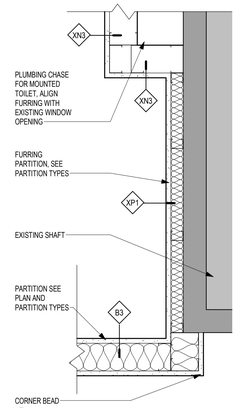
12 PLAN DETAIL - FIREPLACE
1 1/2" = 1'-0"



13 SHOWER DRAIN SECTION DETAIL
1" = 1'-0"



14 PLAN DETAIL - WINDOW INFILL
1 1/2" = 1'-0"



15 PLAN DETAIL - PARTITION
1 1/2" = 1'-0"

C:\Users\Public\Documents\Revit Projects\15479_BLDG 51_1st Floor_A23_EMarkfort.rvt
5/15/2025 1:40:32 PM

No	REVISION	DATE
1	UPDATE TO BID DOCUMENTS	05/20/25

CONSULTANT

DUNHAM

DUNHAM
50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
PHONE 612.465.7550 FAX 612.465.7551
WEB dunhameng.com
mechanical + electrical consulting engineering

ARCHITECT/ENGINEER OF RECORD

ANDERSON

13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 15479

STAMP

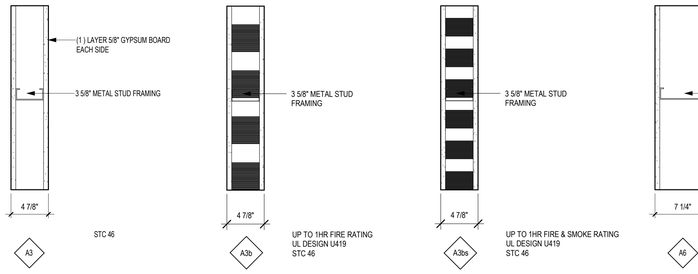
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota
Signature
Typed or Printed Name: Tom Olesak
Date: 08/27/24 License Number: 18157

DRAWING TITLE: **DETAILS**

PROJECT TITLE: **REMODEL BUILDING 51-1 EAST FOR CLC**

DATE: 08/23/2024
PLOT SCALE:
PROJECT NO: 656-19-307
BUILDING No: 51
CHECKED BY: MC/CZ
DRAWN: JT/CZ
DRAWING NO: AE550
LOCATION: VA MEDICAL CENTER ST.CLOUD, MN 56303
FULLY SPRINKLERED
DWG. OF

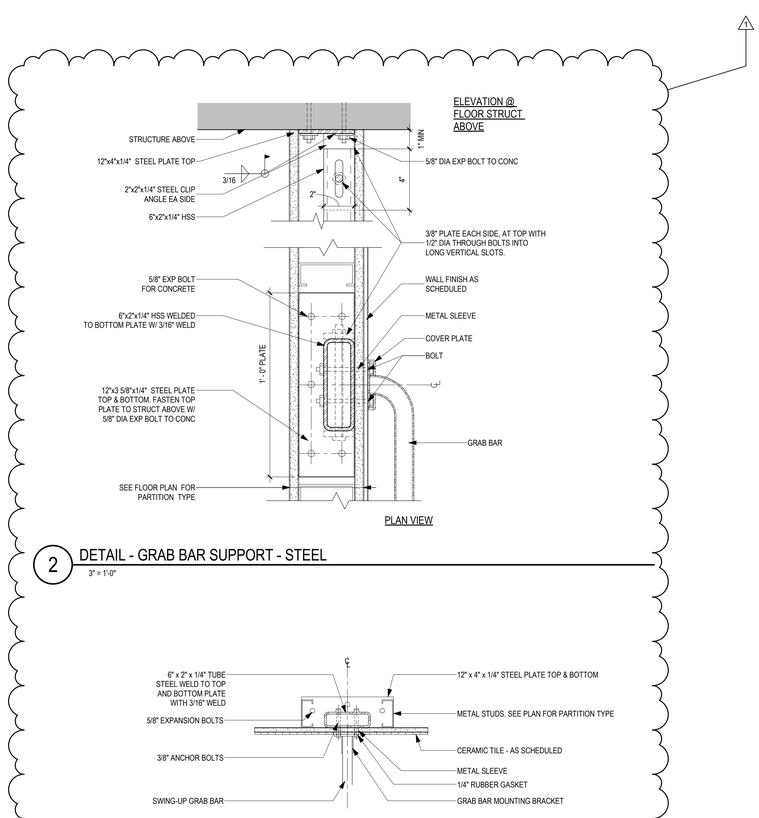
U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System



TYPES - PARTITION

PARTITION GENERAL NOTES:

1. SEE LIFE SAFETY PLANS FOR REQUIRED PARTITION FIRE RATINGS.
2. GYPSUM BOARD AND METAL STUDS USED IN FIRE RATED SEPARATION PARTITIONS SHALL EXTEND FROM FLOOR TO UNDERSIDE OF STRUCTURE, UNLESS NOTED OTHERWISE.
3. WHERE SMOKE PARTITIONS ARE REQUIRED BY LIFE SAFETY PLANS, THE FOLLOWING APPLIES TO ALL NON-ACOUSTICAL TYPE SMOKE PARTITIONS: EXTEND GYPSUM BOARD ON CORRIDOR SIDE TO STRUCTURE ABOVE. SEAL TOP AND BOTTOM OF PARTITION AND ALL PENETRATIONS THROUGH PARTITION ON CORRIDOR SIDE WITH A SMOKE SEALANT HAVING A MINIMUM WARM SMOKE TEMPERATURE OF 400 DEGREES FAHRENHEIT. ALL SEALS MUST HAVE PRE-APPROVAL OF CODE OFFICIAL. ROOM SIDE GYPSUM BOARD CAN EXTEND TO 6" ABOVE FINISHED CEILING.
4. CONTRACTORS TO VERIFY CONDITIONS ABOVE CEILING AT EXISTING PARTITIONS IDENTIFIED WITH FIRE/SMOKE PARTITION SYMBOLS. REPAIR CONDITIONS THAT DO NOT MEET REQUIREMENTS OF THE INDICATED FIRE/SMOKE RATING SHOWN, SUCH AS BUT NOT LIMITED TO OPENINGS IN PARTITIONS, GAPS AROUND DUCTWORK, PIPES AND CONDUIT, MISSING SMOKE DAMPERS, ETC.
5. DIMENSIONS TO METAL STUD PARTITION ARE MEASURED TO FINISH FACE OF PARTITION UNLESS NOTED OTHERWISE
6. THE DIMENSION SHOWING THE LOCATION OF A DOOR FRAME IN GYPSUM BOARD WALLS IS TO THE INSIDE OF THE DOOR FRAME (DOOR OPENING). PROVIDE 4" TYPICAL DIMENSION IF NO DIMENSION IS SHOWN.
7. SOUND ATTENUATING INSULATION MEANS GLASS FIBER OR MINERAL WOOL BATTS OR BLANKETS BEARING THE UL LABEL FOR FIRE RESISTANCE. VERIFY TYPE AND DENSITY (PCF) WITH FIRE TEST NUMBER SHOWN ON PARTITION TYPE.
8. FOR PARTITION HEIGHTS SEE PARTITION TAG LEGEND AND TAG SUBSCRIPTS ON PLANS.
9. ALL FURRING TO BE PARTITION TYPE XP3, ALL PARTITIONS ARE TO BE PARTITION TYPE B3, UNLESS NOTED OTHERWISE.
10. FOR PARTITION TYPES WITH GYPSUM BOARD ON ONE SIDE ONLY, INSTALL GYPSUM BOARD ON ROOM SIDE, UNLESS NOTED OR DETAILED OTHERWISE. FOR SHAFTWALL PARTITION TYPES, INSTALL LINER PANEL ON NON-ACCESSIBLE SIDE, UNLESS NOTED OR DETAILED OTHERWISE.
11. PROVIDE 1/2" DEFLECTION SPACE AT THE TOP OF STUDS AT ALL PARTITIONS EXTENDING TO STRUCTURE, UNLESS NOTED OTHERWISE.
12. WHEN GYPSUM BOARD PARTITIONS ARE LOCATED BELOW STRUCTURE THAT HAS A VERTICAL DEFLECTION MOVEMENT MORE THAN 1/2", PROVIDE PARTITION HEADS WITH VERTICAL MOVEMENT CAPABILITY TO MATCH THAT DEGREE OF MOVEMENT. MAINTAIN THE REQUIRED FIRE RATING OF FIRE RATED PARTITIONS FROM FLOOR TO STRUCTURE ABOVE WITH FIRE TESTED HEAD CONSTRUCTION.
13. WHEN PARTITION FRAMING RUNS HIGHER THAN 12'-0" ABOVE FINISH FLOOR, BRACE PARTITION BACK TO STRUCTURE ABOVE WITH METAL STUDS EVERY 4'-0" ON CENTER MINIMUM.
14. BULKHEAD FRAMING SHALL EXTEND TO UNDERSIDE OF STRUCTURE WITH DIAGONAL STUD FRAMING BRACES AT 4'-0" ON CENTER (2 BRACES MINIMUM) WITH GYPSUM BOARD EXTENDING 6" ABOVE CEILING MINIMUM, UNLESS NOTED OTHERWISE.
15. GENERAL CONTRACTOR SHALL PROVIDE AND COORDINATE ALL IN-WALL BLOCKING FOR WALL MOUNTED CASEWORK AND EQUIPMENT SUPPLIED BY THIS CONTRACT, OWNER FURNISHED OR BY VENDORS. CONTRACTORS OPTION TO PROVIDE 3/4" FIRE TREATED PLYWOOD OR SHEET METAL BLOCKING FOR WALL MOUNTED EQUIPMENT, CASEWORK, DOOR STOPS, ACCESSORIES, ETC, UNLESS NOTED OTHERWISE.
16. IN WET AREAS SUCH AS BUT NOT LIMITED TO SHOWER, TUB, GLASS WASHING ROOMS, SOILED UTILITY ROOMS, JANITOR CLOSETS, COMMERCIAL FOOD PROCESSING ROOMS, ETC, USE TILE BACKER BOARD BEHIND THE CERAMIC TILE AND EXTEND TO 2'-0" BEYOND ALL SIDES OF THE PLUMBING FIXTURE. IN DOUBLE LAYER WALLS WHERE THE TILE BACKER BOARD IS INSTALLED OVER A BASE LAYER OF GYPSUM BOARD, APPLY A WATER BARRIER (BUILDING WRAP) NOT A VAPOR RETARDER, OVER THE BASE LAYER OF GYPSUM BOARD. IN HIGH HUMIDITY AREAS SUCH AS SAUNAS, STEAM ROOMS AND SWIMMING POOLS, WHERE WALLS ARE EXPOSED TO CONSTANT MOISTURE, USE TILE BACKER BOARD BEHIND CERAMIC TILE.
17. IN WET AREAS SUCH AS SOILED UTILITY ROOMS, JANITOR CLOSETS, ETC, USE 5/8" WATER RESISTANT GYPSUM BOARD OR 5/8" FR WATER RESISTANT GYPSUM BOARD.
18. FOR ALL REMODELING PROJECTS, ALL PARTITIONS NOTED AT INFILLS WITHIN, OR EXTENSIONS ONTO EXISTING PARTITIONS, ARE NOTED AS SUCH FOR INTENT ONLY. ALL EXPOSED PARTITION FACES ARE TO ALIGN.
19. SEE SPECIFICATIONS FOR TYPICAL STUD SPACING IN NEW PARTITIONS.

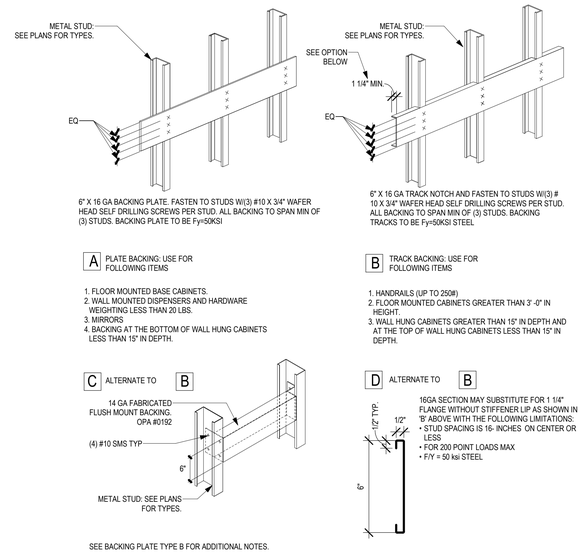


2 DETAIL - GRAB BAR SUPPORT - STEEL

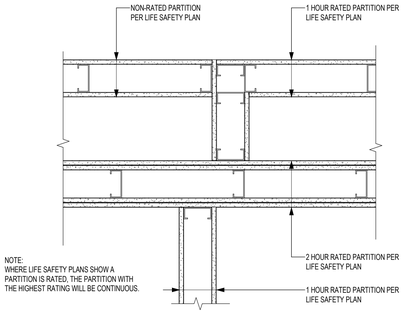
3" = 1'-0"

1 PLAN DETAIL INTERIOR - STEEL TUBE @ UP-SWING GRAB BAR

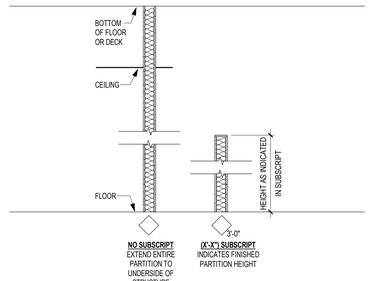
1 1/2" = 1'-0"



PARTITION BLOCKING-BACKING TYPES



GUIDELINE - RATED WALL INTERSECTIONS



GENERAL NOTES:
1. FOR PARTITIONS WITH UNEQUAL LAYERS OF GYPSUM BOARD ON EACH SIDE, THE SIDE OF THE PARTITION WITH THE TAG INDICATES WHERE THE EXTRA LAYER(S) OF GYPSUM BOARD ARE TO BE INSTALLED. REFER TO PARTITION TYPES FOR MORE INFORMATION
2. DIMENSIONS TO METAL STUD PARTITIONS ARE MEASURED TO FINISH FACE UNLESS NOTED OTHERWISE
3. AT INFILL WITHIN OR EXTENSIONS ONTO EXISTING PARTITIONS, THE PARTITION TAG NOTED IS FOR INTENT ONLY. FINISHED PARTITION FACES ARE TO ALIGN WITH ADJACENT EXISTING PARTITION FACES
4. SUBSCRIPTS MAY BE USED WITH ANY PARTITION TYPE.

No	REVISION	DATE
1	UPDATE TO BID DOCUMENTS	05/20/25

CONSULTANT
DUNHAM
DUNHAM
50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
PHONE 612.465.7550 FAX 612.465.7551
WEB dunhameng.com
mechanical + electrical consulting engineering

ARCHITECT/ENGINEER OF RECORD
ANDERSON
13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 15479

STAMP
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.
Signature: Tom Olesak
Typed or Printed Name: Tom Olesak
Date: 08/27/24 License Number: 18157

DRAWING TITLE: INTERIOR PARTITION TYPES AND DETAILS

PROJECT TITLE: REMODEL BUILDING 51-1 EAST FOR CLC
DATE: 08/23/2024
PLOT SCALE:
PROJECT NO: 656-19-307
BUILDING No: 51
CHECKED BY: MC
DRAWN: EM
DRAWING NO: AE601
LOCATION: VA MEDICAL CENTER ST.CLOUD, MN 56303
FULLY SPRINKLERED
DWG OF

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

5/15/2025 1:40:33 PM
C:\Users\Public\Documents\Revit Projects\15479_BLDG 51_1st Floor_A23_EMarkfort.rvt

BUILDING 48 OPENING SCHEDULE

ASSOCIATED ROOMS			OPENING		PANEL INFORMATION			FRAME INFORMATION							
FROM ROOM NAME	TO ROOM NAME	NUMBER	WIDTH	HEIGHT	PANEL TYPE	2ND PANEL TYPE	PANEL GLAZING	FRAME TYPE	FRAME GLAZING	HDW GROUP	FIRE LABEL (MIN)	GASKET	ELECTRICAL	S.I. LABEL	COMMENTS
CORRIDOR	CORRIDOR	48-100	3'-6"	7'-0"	HM-NV		FR-1	HMS-1	NONE	15.0	45	X		X	
CORRIDOR	SOILED UTILITY	48-103B	3'-6"	7'-0"	WD-F		NONE	HMS-1	NONE	10.0	45	X		X	
CORRIDOR	1 BED	48-106A	3'-6"	7'-0"	EXIST WD		NONE	EXIST	NONE	12.0					NOTE 1, 2
CORRIDOR	MEDICATION	48-106B	3'-6"	7'-0"	EXIST WD		NONE	EXIST	NONE	8.0			X		
CORRIDOR	2 BED	48-106C	3'-6"	7'-0"	EXIST HMS		NONE	EXIST	NONE	12.0					NOTE 1, 2
	DINING ROOM	48-107B	3'-6"	7'-0"	EXIST HMS		NONE	EXIST	NONE	14.0					NOTE 1, 3
CORRIDOR	2 BED	48-108	3'-6"	7'-0"	EXIST HMS		NONE	EXIST	NONE	12.0					NOTE 1, 2
CORRIDOR	1 BED	48-109	3'-6"	7'-0"	EXIST WD		NONE	EXIST	NONE	12.0					NOTE 1, 2
CORRIDOR	1 BED	48-114	3'-6"	7'-0"	EXIST HMS		NONE	EXIST	NONE	12.0					NOTE 1, 2
CORRIDOR	1 BED	48-115	3'-6"	7'-0"	EXIST HMS		NONE	EXIST	NONE	12.0					NOTE 1, 2
	LIVING ROOM	48-116E	3'-6"	7'-0"	EXIST HMS		NONE	EXIST	NONE	3.0					NOTE 1, 3
CORRIDOR	1 BED	48-117	3'-6"	7'-0"	EXIST HMS		NONE	EXIST	NONE	12.0					NOTE 1, 2
CORRIDOR	1 BED	48-118	3'-6"	7'-0"	EXIST HMS		NONE	EXIST	NONE	12.0					NOTE 1, 2

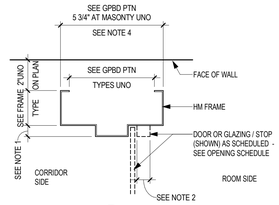
NOTES: (1) EXIST OPENING, OPENING DIMENSIONS ARE APPROXIMATE, VERIFY DIMENSIONS IN FIELD. (2) HARDWARE RECONFIGURE FROM EXAM/OFFICE/STORAGE TO DEMENTIA PATIENT BEDROOM. (3) NO WORK ON THIS DOOR.

BUILDING 51 OPENING SCHEDULE

ASSOCIATED ROOMS			OPENING		PANEL INFORMATION			FRAME INFORMATION							
FROM ROOM NAME	TO ROOM NAME	NUMBER	WIDTH	HEIGHT	PANEL TYPE	2ND PANEL TYPE	PANEL GLAZING	FRAME TYPE	FRAME GLAZING	HDW GROUP	FIRE LABEL (MIN)	GASKET	ELECTRICAL	S.I. LABEL	COMMENTS
CORRIDOR	MED ROOM	51-107	3'-0"	7'-0"	HM-F		NONE	HMS-1	NONE	8.0		X	X	X	
CORRIDOR	OFFICE	51-108	3'-0"	7'-0"	HM-F		NONE	HMS-1	NONE	6.0					
CORRIDOR	EQUIPMENT STORAGE	51-109	3'-0"	7'-0"	WD-F		NONE	HMS-1	NONE	1.0					
CORRIDOR	RESIDENT ROOM	51-111	5'-6"	7'-0"	WD-F	WD-F	NONE	HMS-1	NONE	11.0	20	X		X	
RESIDENT ROOM	TOILET ROOM	51-111A	4'-0"	7'-5"	HM-F		NONE	HMS-20	NONE	13.0					
CORRIDOR	LINEN	51-112	5'-0"	7'-0"	WD-F	WD-F	NONE	HMS-1	NONE	7.0		X		X	
SHARED SPACE	RESIDENT ROOM	51-113	5'-6"	7'-0"	WD-F	WD-F	NONE	HMS-1	NONE	11.0		X		X	
RESIDENT ROOM	TOILET ROOM	51-113A	4'-0"	7'-0"	HM-F		NONE	HMS-1	NONE	13.0					
SHARED SPACE	QUIET ROOM	51-114	3'-6"	7'-0"	HM-F		NONE	HMS-1	NONE	2.0	45	X		X	
SHARED SPACE	RESIDENT ROOM	51-115	4'-0"	7'-0"	WD-F	WD-F	NONE	HMS-1	NONE	11.0		X		X	
RESIDENT ROOM	TOILET ROOM	51-115A	4'-0"	7'-0"	HM-F		NONE	HMS-1	NONE	13.0					
SHARED SPACE	RESIDENT ROOM	51-116	5'-6"	7'-0"	WD-F	WD-F	NONE	HMS-1	NONE	11.0		X		X	
RESIDENT ROOM	TOILET ROOM	51-116A	4'-0"	7'-0"	HM-F		NONE	HMS-1	NONE	13.0					
CORRIDOR	RESIDENT ROOM	51-117	5'-6"	7'-0"	WD-F	WD-F	NONE	HMS-1	NONE	11.0		X		X	
RESIDENT ROOM	TOILET ROOM	51-117A	4'-0"	7'-5"	HM-F		NONE	HMS-20	NONE	13.0					
CORRIDOR	RESIDENT ROOM	51-120	5'-6"	7'-0"	WD-F	WD-F	NONE	HMS-1	NONE	11.0		X		X	
RESIDENT ROOM	TOILET ROOM	51-120A	4'-0"	7'-0"	HM-F		NONE	HMS-1	NONE	13.0					
RESIDENT ROOM	CORRIDOR	51-121	5'-6"	7'-0"	WD-F	WD-F	NONE	HMS-1	NONE	11.0		X		X	
RESIDENT ROOM	TOILET ROOM	51-121A	4'-0"	7'-0"	HM-F		NONE	HMS-1	NONE	13.0					
CORRIDOR	STAIRS	51-122	3'-0"	7'-0"	HM-NV		FR-2	HMM-1	NONE	17.0	60	X		X	
CORRIDOR	WARD SUPPLY	51-123B	3'-0"	7'-0"	HM-F		NONE	HMS-1	NONE	18.0		X		X	
RESIDENT ROOM	CORRIDOR	51-124	5'-6"	7'-0"	WD-F	WD-F	NONE	HMS-1	NONE	11.0		X		X	
RESIDENT ROOM	TOILET ROOM	51-124A	4'-0"	7'-5"	HM-F		NONE	HMS-20	NONE	13.0					
CORRIDOR	RESIDENT ROOM	51-125	5'-6"	7'-0"	WD-F	WD-F	NONE	HMS-1	NONE	11.0		X		X	
RESIDENT ROOM	TOILET ROOM	51-125A	4'-0"	7'-5"	HM-F		NONE	HMS-20	NONE	13.0					
CORRIDOR	RESIDENT ROOM	51-126	5'-6"	7'-0"	WD-F	WD-F	NONE	HMS-1	NONE	11.0		X		X	
RESIDENT ROOM	TOILET ROOM	51-126A	4'-0"	7'-0"	HM-F		NONE	HMS-1	NONE	13.0					
CORRIDOR	LINEN	51-127A	5'-0"	7'-0"	WD-F	WD-F	NONE	HMS-1	NONE	7.0	20	X		X	
CORRIDOR	HAC	51-127B	3'-6"	7'-0"	HM-F		NONE	HMS-1	NONE	1.0	45	X		X	
CORRIDOR	BATH	51-127C	4'-0"	7'-0"	HM-F		NONE	HMS-1	NONE	4.0					
CORRIDOR	CLEAN UTILITY	51-127D	3'-6"	7'-0"	HM-F		NONE	HMS-1	NONE	9.0		X		X	
CORRIDOR	SOILED UTILITY	51-127E	4'-0"	7'-0"	HM-F		NONE	HMS-1	NONE	1.0		X		X	
BREAK/LOUNGE	CORRIDOR	51-128	3'-0"	7'-0"	HM-F		NONE	HMS-1	NONE	8.0		X		X	
BREAK/LOUNGE	TOILET ROOM	51-128A	3'-0"	7'-0"	HM-F		NONE	HMS-1	NONE	5.0					
CORRIDOR	STAIRS	51-130	3'-0"	7'-0"	HM-NV		FR-2	HMS-1	NONE	17.0	60	X		X	
CORRIDOR	SHARED SPACE	51-01NE	6'-8"	7'-0"	WD-NV	WD-NV	FR-1	HMS_DE-1	NONE	16.0		X	X	X	MAG HOLD OPEN

FRAME PROFILE NOTES:

1. 5/8" AT 20 MINUTE FIRE RATED FRAMES AND NON-RATED FRAMES, 3/4" AT FIRE RATED FRAMES OF 45 MINUTES AND ABOVE.
2. 5/8" AT 20 MINUTE FIRE RATED FRAMES AND NON-RATED FRAMES, 1" AT FIRE RATED FRAMES OF 45 MINUTES AND ABOVE.
3. FOR FRAMES IN GPBD PARTITIONS, VERIFY THAT THE FRAME THROAT DEPTH MATCHES THE PARTITION THICKNESS.
4. 5 3/4" AT MASONRY OR DEEP GPBD WALL RECESSES WHERE FRAME DOES NOT WRAP THE WALL.



2 HM FRAME PROFILES
3" = 1'-0"

DOOR PANEL NAMING

HM-GF

NOTE: ACTUAL PANELS MAY VARY FROM DESCRIPTIONS BELOW, REFER TO PANEL TYPE ELEVATIONS

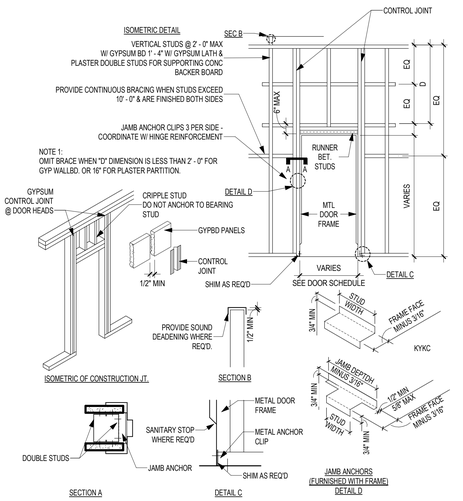
PANEL PREFIXES		PANEL SUFFIXES			
AL-	ALUMINUM	AG	ALL GLASS	LNV	LOUVER NARROW VISION
CG-	COILING GRILLE	BF	BIFOLD	NV	NARROW VISION
CS-	COILING SLATS	BFG	BIFOLD GLASS	NV2	NARROW VISION 2 LIGHT
HM-	HOLLOW METAL	D	DUTCH	NV3	NARROW VISION 3 LIGHT
OS-	OVERHEAD SECTIONAL	DG	DUTCH GLASS	NVC	NARROW VISION CENTERED
RD3-	REVOLVING DOOR 3 PANEL	DS	DUTCH W/SHELF	RP2	RAISED PANEL 2 PANEL
RD4-	REVOLVING DOOR 4 PANEL	F	FLUSH	RP4	RAISED PANEL 4 PANEL
VL-	VERTICAL LIFT	G2	GLASS 2 LIGHT	RP6	RAISED PANEL 6 PANEL
WD-	WOOD	G3	GLASS 3 LIGHT	RP8	RAISED PANEL 8 PANEL
		GF	GLASS FULL	V	VISION
		GH	GLASS HALF	W	WINDOWS (1 ROW)
		LF	LOUVER FULL	WT	WINDOWS THROUGHOUT
		LGH	LOUVER GLASS HALF		
		LH	LOUVER HALF		

DOOR FRAME NAMING

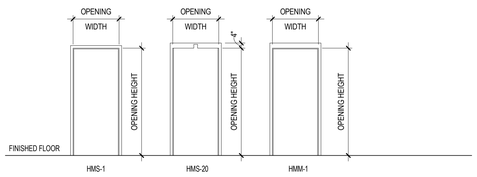
HMS-2

NOTE: ACTUAL FRAMES MAY VARY FROM DESCRIPTIONS BELOW, REFER TO FRAME TYPE ELEVATIONS

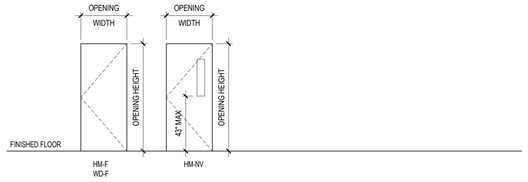
FRAME PREFIXES		FRAME SUFFIXES	
AL-	ALUMINUM	0	FRAMED OPENING
AL-BL-	ALUMINUM BORROWED LIGHT	1	DOOR ONLY
AL-SL-	ALUMINUM SLIDING	2	SIDELIGHT(S) 1 SIDE
AL-R-	ALUMINUM REVOLVING	3	SIDELIGHT(S) 1 SIDE W/HORIZONTAL
CW##	CURTAINWALL	4	SIDELIGHT(S) BOTH SIDES
HMM-	HOLLOW METAL MASONRY	5	SIDELIGHT(S) BOTH SIDES W/HORIZONTAL
HMM-BL-	HMM BORROWED LIGHT	6	DOOR W/TRANSOM
HMM-DE-	HMM DOUBLE EGRESS	7	DOOR W/TRANSOM W/SIDELIGHT(S) 1 SIDE
HMS-	HOLLOW METAL STUD	8	TRANSOM W/SIDELIGHT(S) 1 SIDE W/HORIZONTAL
HMS-BL-	HMS BORROWED LIGHT	9	TRANSOM W/SIDELIGHT(S) BOTH SIDES
HMS-DE-	HMS DOUBLE EGRESS	10	TRANSOM W/SIDELIGHT(S) BOTH SIDES W/HORIZONTAL
OC-	OVERHEAD COILING	11	FULL WIDTH TRANSOM W/SIDELIGHT(S) 1 SIDE
OS-	OVERHEAD SECTIONAL	1X1	1 LIGHT WIDE AND 1 LIGHT HIGH
VL-	VERTICAL LIFT	2X2	2 LIGHTS WIDE AND 2 LIGHTS HIGH
WD-	WOOD	3X3	3 LIGHTS WIDE AND 3 LIGHTS HIGH
WD-BL-	WOOD BORROWED LIGHT		(NOTE: OTHER COMBINATIONS POSSIBLE)
WDP-	WOOD POCKET	OX	FIXED PANEL, ACTIVE PANEL
		OXO	FIXED PANEL, ACTIVE PANEL, FIXED PANEL
		OXX	FIXED, ACTIVE, ACTIVE
		OXXO	FIXED, ACTIVE, ACTIVE, FIXED
		OXXXXO	FIXED, ACTIVE, ACTIVE, ACTIVE, ACTIVE, FIXED



1 TYPICAL PARTITION CONTROL JOINT FRAMING AT DOORS
1 1/2" = 1'-0"



TYPES - FRAMES



TYPES - PANELS

5/15/2025 1:40:36 PM

C:\Users\Public\Documents\Revit Projects\15479_BLDG 51_1st Floor_A23_EMarkfort.rvt

No	REVISION	DATE
1	UPDATE TO BID DOCUMENTS	05/20/25

CONSULTANT

DUNHAM
50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
PHONE 612.465.7550 FAX 612.465.7551
WEB dunhameng.com
mechanical + electrical consulting engineering

ARCHITECT/ENGINEER OF RECORD

ANDERSON
13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 15479

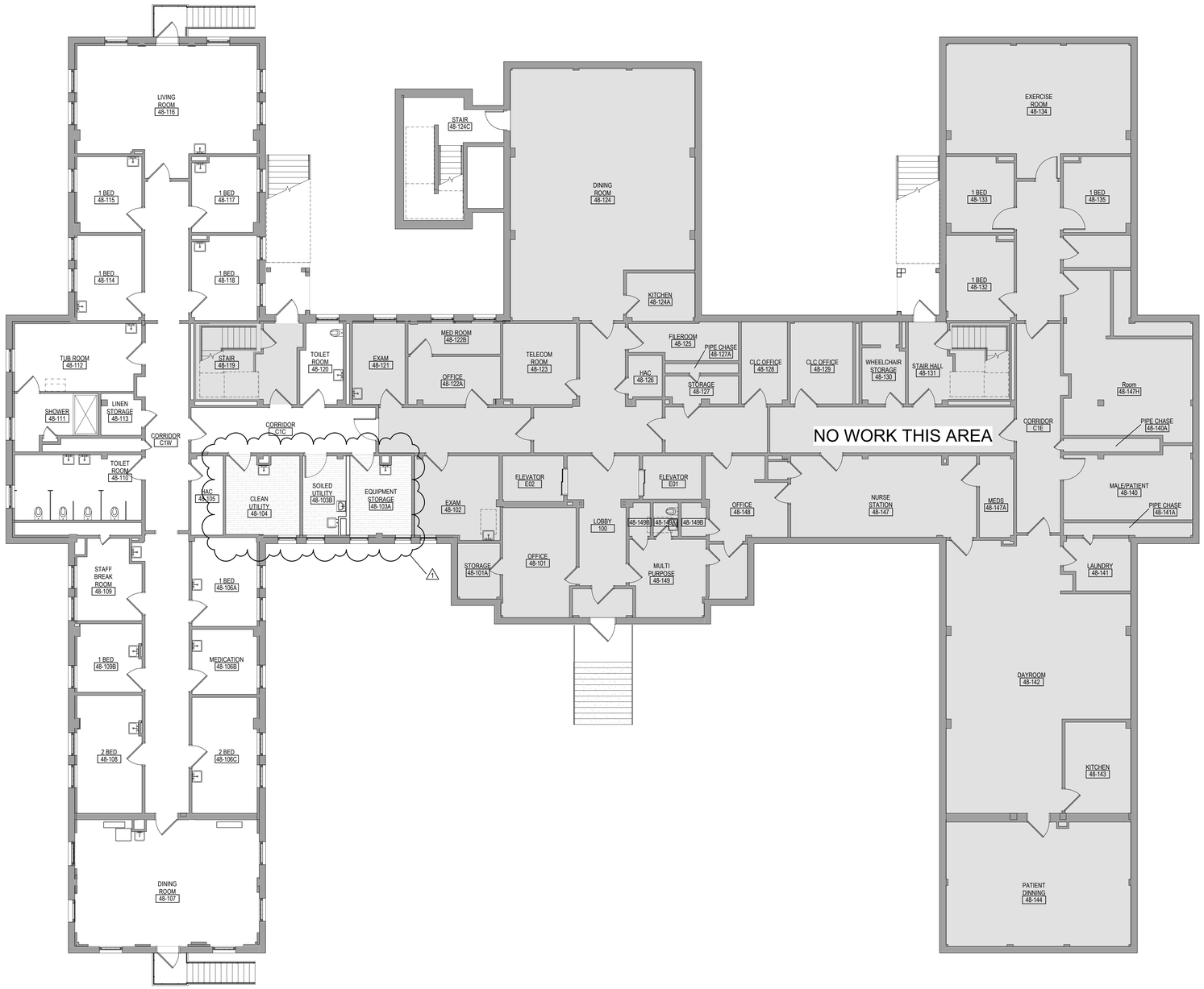
STAMP

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota
Signature
Typed or Printed Name: Tom Olesak
Date: 06/27/24 License Number: 18157

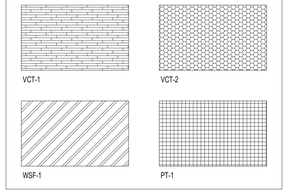
DRAWING TITLE: DOOR SCHEDULE AND ELEVATIONS

PROJECT TITLE: REMODEL BUILDING 51-1 EAST FOR CLC
DATE: 08/23/2024
PLOT SCALE:
PROJECT NO: 656-19-307
BUILDING No: 51
CHECKED BY: MC
DRAWN: EM
DRAWING NO: AE602
LOCATION: VA MEDICAL CENTER ST CLOUD, MN 56303
FULLY SPRINKLERED
DWG OF

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System



FLOOR FINISH LEGEND



FINISH PLAN GENERAL NOTES

1. REFER TO MATERIALS SCHEDULE ON SHEET AF600 FOR SPECIFIC PRODUCT SELECTION BASIS OF DESIGN AND OTHER REQUIREMENTS
2. FIELD FINISH VENTS, GRILLES, ACCESS PANELS, PLUG STRIP, BASEBOARD RADIATION ENCLOSURES, ELECTRICAL PANEL BOARDS (IN FINISHED SPACES) TO MATCH SURFACE ON WHICH THEY OCCUR UNLESS OTHERWISE INDICATED. EXCEPTION: ITEMS WITH FACTORY WHITE FINISH, OCCURRING ON WHITE ACT OR WHITE GYPSUM BOARD CEILING SHALL NOT BE PAINTED. STAINLESS STEEL ITEMS SHALL NOT BE PAINTED
3. FIELD VERIFY ALL NEW CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO INSTALLATION
4. LOCATE CHANGES IN FLOOR FINISH MATERIAL UNDER CENTERLINE OF CLOSED DOOR UNLESS OTHERWISE INDICATED
5. PROVIDE CLEAR SILICONE SEALANT AT PERIMETER OF PLUMBING FLOOR DRAINS, CLEAN OUTS, ETC IN RESILIENT AND CERAMIC TILE FLOORS
6. PROVIDE SEALANT TO HORIZONTAL AND VERTICAL INTERIOR CERAMIC TILE CORNERS, COLOR TO MATCH GROUT COLOR
7. PROVIDE SEALANT AT JOINT BETWEEN COUNTER TOP, BACK OR SIDE SPLASH AND WALLS
8. PROVIDE CLEAR SILICONE SEALANT AT THE BASE OF DOOR FRAME TO RESILIENT AND CT FLOORING, TYP. SEE PLANS AND ROOM FINISH SCHEDULE FOR FLOOR FINISH LOCATIONS
9. HOLLOW METAL DOORS AND FRAMES TO BE PAINTED P-4, UNLESS NOTED OTHERWISE IN THE ROOM OPENING SCHEDULE
10. WOOD: PRE-FINISHED TO MATCH BUILDING STANDARD, REFER TO SPECIFICATION
11. CEILING HEIGHTS AND MATERIALS/FINISHES CALLED OUT IN ROOM FINISH SCHEDULE ARE FOR ENTIRE CEILING OR MAJORITY OF THAT ROOM, UNLESS OTHERWISE INDICATED. SEE REFLECTED CEILING PLAN FOR CHANGES IN CEILING MATERIAL AND CEILING HEIGHT. PAINT ALL SURFACES OF SOFFIT SAME COLOR AS INDICATED
12. COLOR SELECTIONS ARE BASED ON USE OF PRODUCTS INDICATED IN THE PROJECT MANUAL SPECIFICATION. IF MANUFACTURERS OTHER THAN THOSE INDICATED ARE USED, ARCHITECT MAY REVISE COLOR SELECTIONS OF OTHER FINISHES TO ENSURE PROPER COORDINATION
13. PAINT ALL FIRE EXTINGUISHER CABINETS TO MATCH COLOR OF THE ADJACENT WALLS
14. CEILING HEIGHTS ARE MEASURED FROM FINISH FLOOR
15. FOR FLOOR FINISH MATERIALS AND PATTERN, SEE FINISH PLAN
16. SEE INTERIOR ELEVATIONS FOR MORE FINISH INFO

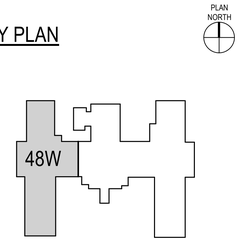
ROOM FINISH LEGEND & ABBREVIATIONS

CG	CORNER GUARD	AF10	KEYNOTE
	WALL ACCENT		MATERIAL INSTALL DIRECTION
CPT — VCT			

AT	ACOUSTICAL CEILING (TILE)
CT	CERAMIC TILE
GWB (SC)	GYPSUM WALLBACK SYSTEMS (SPECIAL COATING)
LVT	LUXURY VINYL TILE
P	PAINT
PT	PORCELAIN TILE (FLOOR AND BASE)
RB	RESILIENT BASE
RES	RESINOUS EPOXY FLOORING
RES-W	RESINOUS/EPOXY WALL/CEILING
RF	RUBBER FLOORING
S	SOLID SURFACE
SC	SPECIAL COATING
SP	SPECIAL FACED
VCT	VINYL COMPOSITE TILE
WSF	WELDED SEAM SHEET FLOORING (HEAT WELDED WITH ROD)

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

KEY PLAN



1 48-1 FINISH PLAN
1/8" = 1'-0"

0 4' 8' 16'

No	REVISION	DATE
1	UPDATE TO BID DOCUMENTS	05/14/25

CONSULTANT
DUNHAM
DUNHAM
50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
PHONE 612.465.7550 FAX 612.465.7551
WEB dunhameng.com
mechanical + electrical consulting engineering

ARCHITECT/ENGINEER OF RECORD
ANDERSON
13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 15479

STAMP

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.
Signature: Tom Chesak
Typed or Printed Name: Tom Chesak
Date: 08/27/24 License Number: 18157

DRAWING TITLE: FIRST FLOOR FINISH PLAN

PROJECT TITLE: REMODEL BUILDING 51-1 EAST FOR CLC
DATE: 08/23/2024
PLOT SCALE:
PROJECT NO: 656-19-307
BUILDING No: 48
CHECKED BY: CZ
DRAWN: CZ
DRAWING NO: 48-AF110
LOCATION: VA MEDICAL CENTER ST.CLOUD, MN 56303
FULLY SPRINKLERED
DWG. OF

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

5/14/2025 1:13:57 PM
C:\Users\czupan\Documents\15479_BLDG 51_1st Floor_A23_czupanJAMEX.rvt

FINISH PLAN GENERAL NOTES

1. REFER TO MATERIALS SCHEDULE ON SHEET AF600 FOR SPECIFIC PRODUCT SELECTION BASIS OF DESIGN AND OTHER REQUIREMENTS
2. FIELD FINISH VENTS, GRILLES, ACCESS PANELS, PLUG STRIP, BASEBOARD RADIATION ENCLOSURES, ELECTRICAL PANEL BOARDS (IN FINISHED SPACES) TO MATCH SURFACE ON WHICH THEY OCCUR UNLESS OTHERWISE INDICATED. EXCEPTION: ITEMS WITH FACTORY WHITE FINISH, OCCURRING ON WHITE ACT OR WHITE GYPSUM BOARD CEILING SHALL NOT BE PAINTED. STAINLESS STEEL ITEMS SHALL NOT BE PAINTED
3. FIELD VERIFY ALL NEW CONDITIONS. NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO INSTALLATION
4. LOCATE CHANGES IN FLOOR FINISH MATERIAL UNDER CENTERLINE OF CLOSED DOOR UNLESS OTHERWISE INDICATED
5. PROVIDE CLEAR SILICONE SEALANT AT PERIMETER OF PLUMBING FLOOR DRAINS, CLEAN OUTS, ETC IN RESILIENT AND CERAMIC TILE FLOORS
6. PROVIDE SEALANT TO HORIZONTAL AND VERTICAL INTERIOR CERAMIC TILE CORNERS, COLOR TO MATCH GROUT COLOR
7. PROVIDE SEALANT AT JOINT BETWEEN COUNTER TOP, BACK OR SIDE SPLASH AND WALLS
8. PROVIDE CLEAR SILICONE SEALANT AT THE BASE OF DOOR FRAME TO RESILIENT AND CT FLOORING, TYP. SEE PLANS AND ROOM FINISH SCHEDULE FOR FLOOR FINISH LOCATIONS
9. HOLLOW METAL DOORS AND FRAMES TO BE PAINTED P-4, UNLESS NOTED OTHERWISE IN THE ROOM OPENING SCHEDULE
10. WOOD: PRE-FINISHED TO MATCH BUILDING STANDARD, REFER TO SPECIFICATION
11. CEILING HEIGHTS AND MATERIALS/FINISHES CALLED OUT IN ROOM FINISH SCHEDULE ARE FOR ENTIRE CEILING OR MAJORITY OF THAT ROOM, UNLESS OTHERWISE INDICATED. SEE REFLECTED CEILING PLAN FOR CHANGES IN CEILING MATERIAL AND CEILING HEIGHT. PAINT ALL SURFACES OF SOFFIT SAME COLOR AS INDICATED
12. COLOR SELECTIONS ARE BASED ON USE OF PRODUCTS INDICATED IN THE PROJECT MANUAL SPECIFICATION. IF MANUFACTURERS OTHER THAN THOSE INDICATED ARE USED, ARCHITECT MAY REVISE COLOR SELECTIONS OF OTHER FINISHES TO ENSURE PROPER COORDINATION
13. PAINT ALL FIRE EXTINGUISHER CABINETS TO MATCH COLOR OF THE ADJACENT WALLS
14. CEILING HEIGHTS ARE MEASURED FROM FINISH FLOOR
15. FOR FLOOR FINISH MATERIALS AND PATTERN, SEE FINISH PLAN
16. SEE INTERIOR ELEVATIONS FOR MORE FINISH INFO

ROOM FINISH LEGEND & ABBREVIATIONS

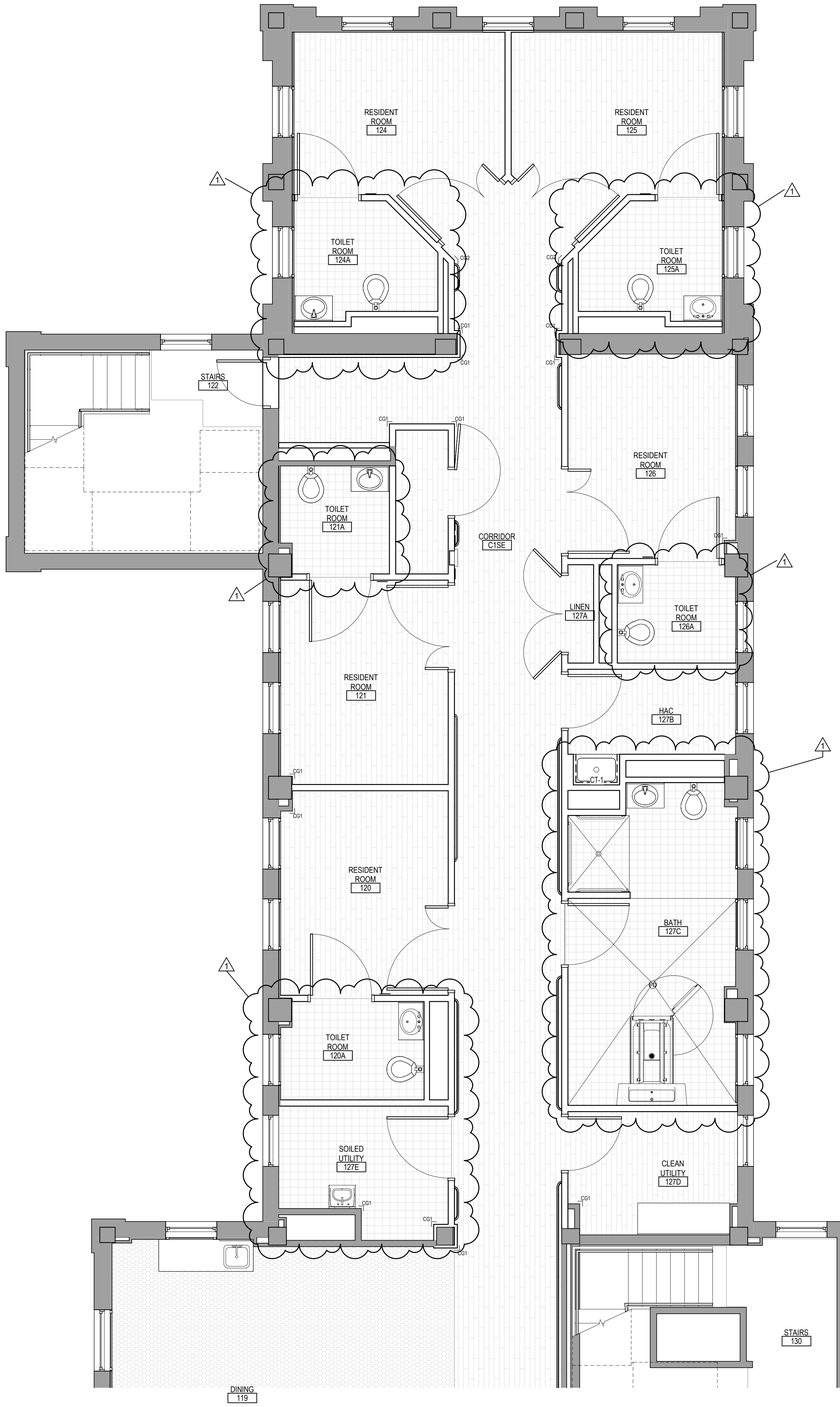
CG	CORNER GUARD	AF10	KEYNOTE
WALL ACCENT			MATERIAL INSTALL DIRECTION
CPT — VCT			

AT	ACOUSTICAL CEILING (TILE)
CT	CERAMIC TILE
GWB (SC)	GYPSUM WALLBACK SYSTEMS (SPECIAL COATING)
LVT	LUXURY VINYL TILE
P	PAINT
PT	PORCELAIN TILE (FLOOR AND BASE)
RB	RESILIENT BASE
RES	RESINOUS EPOXY FLOORING
RES-W	RESINOUS/EPOXY WALL/CEILING
RF	RUBBER FLOORING
S	SOLID SURFACE
SC	SPECIAL COATING
SP	SPECIAL FACED
VCT	VINYL COMPOSITE TILE
WSF	WELDED SEAM SHEET FLOORING (HEAT WELDED WITH ROD)

NOTE: NOT ALL SYMBOLS MAY BE USED ON EACH PLAN

FLOOR FINISH LEGEND

VCT-1 | VCT-2 | WSF-1 | PT-1

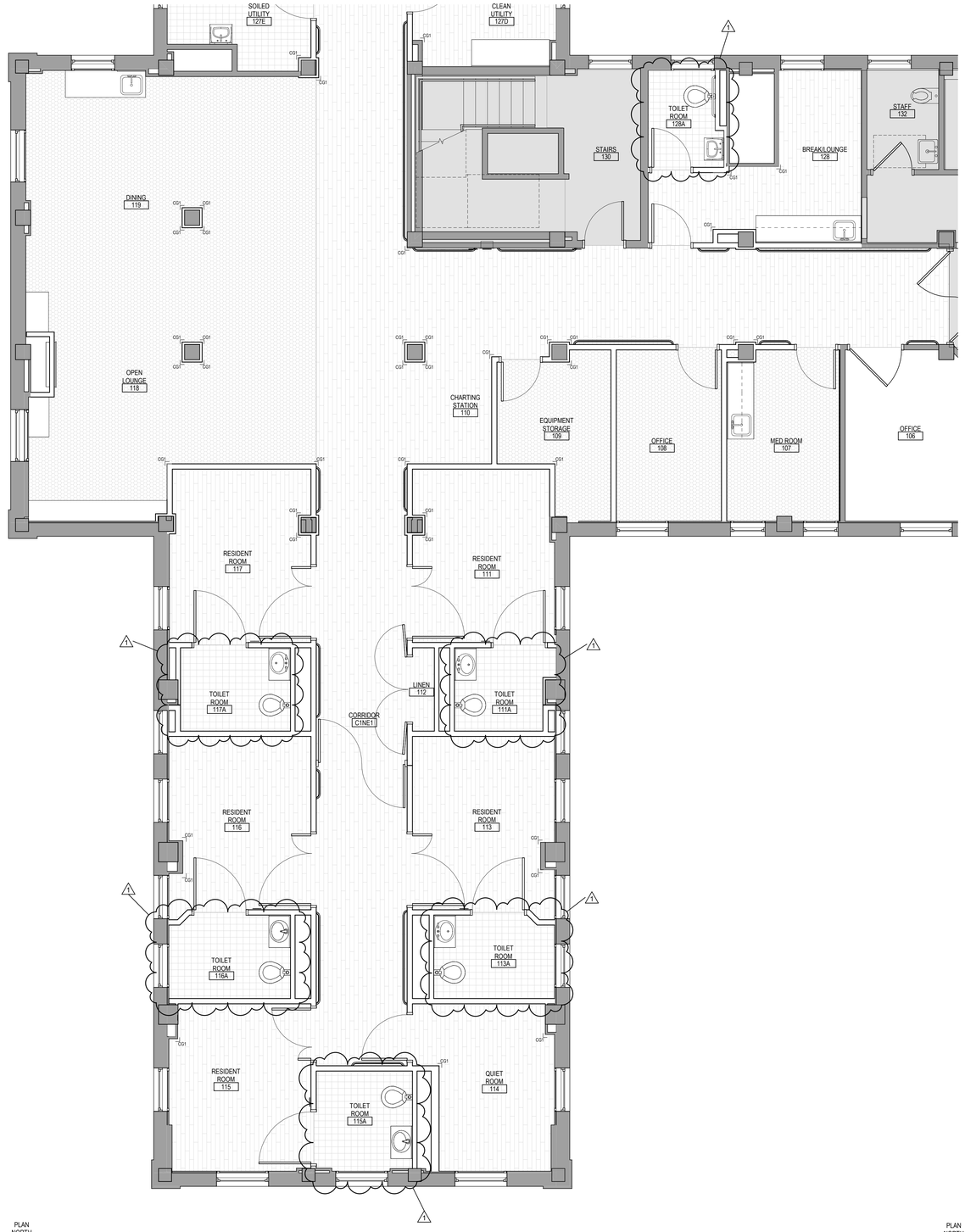


1 51-1 FINISH PLAN - ZONE 1

1/4" = 1'-0"

PLAN NORTH

0 2' 4' 8'



2 51-1 FINISH PLAN - ZONE 2

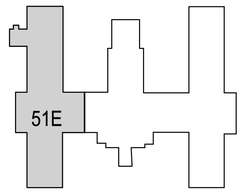
1/4" = 1'-0"

PLAN NORTH

0 2' 4' 8'

KEY PLAN

PLAN NORTH | TRUE NORTH



No	REVISION	DATE
1	UPDATE TO BID DOCUMENTS	05/20/25

CONSULTANT

DUNHAM
50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
PHONE 612.465.7550 FAX 612.465.7551
WEB dunhameng.com
mechanical + electrical consulting engineering

ARCHITECT/ENGINEER OF RECORD

ANDERSON
13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 15479

STAMP

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.
Signature:
Typed or Printed Name: Tom Olesak
Date: 08/27/24 License Number: 18157

DRAWING TITLE: FIRST FLOOR FINISH PLAN

PROJECT TITLE: REMODEL BUILDING 51-1 EAST FOR CLC
DATE: 08/23/2024
PLOT SCALE:
PROJECT NO: 656-19-307
BUILDING No: 51
CHECKED BY: CZ
DRAWN: CZ
DRAWING NO: 51-AF110
LOCATION: VA MEDICAL CENTER ST.CLOUD, MN 56303
FULLY SPRINKLERED
DWG OF

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

5/15/2025 1:54:49 PM
C:\Users\Public\Documents\Revit Projects\15479_BLDG 51_1st Floor_A23_EMankfort.rvt

BLDG 48 ROOM FINISH SCHEDULE

NO.	NAME	FLOOR FINISH	BASE FINISH	WALL FINISH NORTH	WALL FINISH EAST	WALL FINISH SOUTH	WALL FINISH WEST	CEILING FINISH	REMARKS
48-103A	EQUIPMENT STORAGE	VCT-1	RB-1	RWC-1/SC-1	RWC-1/SC-1	RWC-1/SC-1	RWC-1/SC-1	ACT-2	
48-103B	SOILED UTILITY	VCT-1	RB-1	RWC-1/SC-1	RWC-1/SC-1	RWC-1/SC-1	RWC-1/SC-1	ACT-2	
48-104	CLEAN UTILITY	VCT-1	RB-1	RWC-1/SC-1	RWC-1/SC-1	RWC-1/SC-1	RWC-1/SC-1	ACT-2	
48-106B	MEDICATION	EXIST	RB-1	P-1	P-1	P-1	P-1	EXIST	

NOTE: FOR ROOMS NOT INCLUDED IN BLDG 48 ROOM FINISH SCHEDULE, EXISTING FINISHES ARE TO REMAIN IN PLACE.

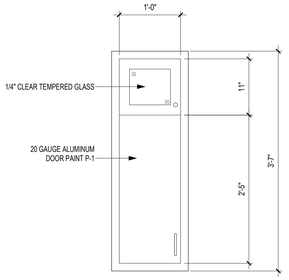
ROOM FINISH SCHEDULE - BLDG 51

NO.	NAME	FLOOR FINISH	BASE FINISH	WALL FINISH NORTH	WALL FINISH EAST	WALL FINISH SOUTH	WALL FINISH WEST	CEILING FINISH	REMARKS
107	MED ROOM	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	
108	OFFICE	VCT-2	RB-1	P-1	P-1	P-1	P-1	ACT-1	
109	EQUIPMENT STORAGE	VCT-2	RB-1	P-1	P-1	P-1	P-1	ACT-1	
110	CHARTING STATION	VCT-2	RB-1	P-1	P-3	P-1	P-1	ACT-1	
111	RESIDENT ROOM	VCT-1	RB-1	P-3	P-1	P-1	P-1	ACT-1	
111A	TOILET ROOM	PT-1	CT-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	ACT-1	
112	LINEN	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	
113	RESIDENT ROOM	VCT-1	RB-1	P-3	P-1	P-1	P-1	ACT-1	
113A	TOILET ROOM	PT-1	CT-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	ACT-1	
114	QUIET ROOM	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	
115	RESIDENT ROOM	VCT-1	RB-1	P-3	P-1	P-1	P-1	ACT-1	
115A	TOILET ROOM	PT-1	CT-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	ACT-1	
116	RESIDENT ROOM	VCT-1	RB-1	P-3	P-1	P-1	P-1	ACT-1	
116A	TOILET ROOM	PT-1	CT-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	ACT-1	
117	RESIDENT ROOM	VCT-1	RB-1	P-3	P-1	P-1	P-1	ACT-1	
117A	TOILET ROOM	PT-1	CT-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	ACT-1	
118	OPEN LOUNGE	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	
119	DINING	VCT-2	RB-1	P-1	P-1	P-1	P-1	ACT-1	
120	RESIDENT ROOM	VCT-1	RB-1	P-3	P-1	P-1	P-1	ACT-1	
120A	TOILET ROOM	PT-1	CT-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	ACT-1	
121	RESIDENT ROOM	VCT-1	RB-1	P-1	P-1	P-3	P-1	ACT-1	
121A	TOILET ROOM	PT-1	CT-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	ACT-1	
123A	CLOSET	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	
123B	WARD SUPPLY	VCT-2	RB-1	P-1	P-1	P-1	P-1	ACT-1	
124	RESIDENT ROOM	VCT-1	RB-1	P-1	P-3	P-1	P-1	ACT-1	
124A	TOILET ROOM	PT-1	CT-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	ACT-1	
125	RESIDENT ROOM	VCT-1	RB-1	P-1	P-1	P-1	P-3	ACT-1	
125A	TOILET ROOM	PT-1	CT-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	ACT-1	
126	RESIDENT ROOM	VCT-1	RB-1	P-3	P-1	P-1	P-1	ACT-1	
126A	TOILET ROOM	PT-1	CT-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	ACT-1	
127A	LINEN	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	
127B	HAC	VCT-1	RB-1	P-1	P-1	P-1	CT-1/P-1	ACT-1	
127C	BATH	PT-1	CT-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	ACT-1	
127D	CLEAN UTILITY	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	
127E	SOILED UTILITY	PT-1	CT-1	P-1	P-1	P-1	P-1	ACT-1	
128	BREAK/LOUNGE	VCT-2	RB-1	P-1	P-1	P-1	P-3	ACT-1	
128A	TOILET ROOM	PT-1	CT-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	CT-1/CT-2/P-1	ACT-1	
129	LOCKERS	VCT-2	RB-1	P-1	P-1	P-1	P-1	ACT-1	
C1C	CORRIDOR	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	
C1NE1	CORRIDOR	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	
C1NE2	SHARED SPACE	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	
C1SE	CORRIDOR	VCT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1	

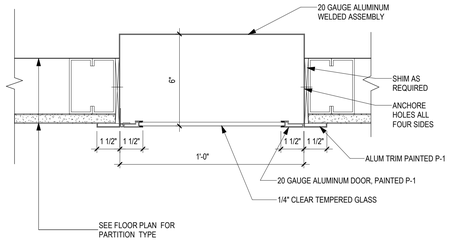
NOTE: WALL FINISH HEADERS BASED ON PLAN NORTH.

MATERIAL SCHEDULE

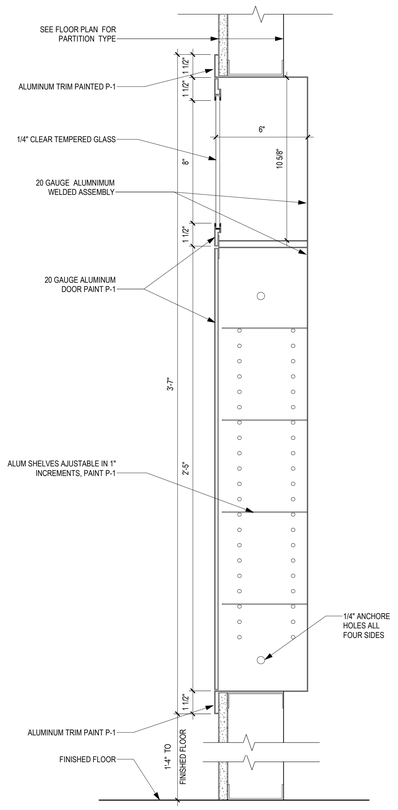
SPEC...	CODE	MATERIAL	MANUFACTURER	STYLE	COLOR	SIZE	REMARKS
04 41 21							
	SV-1	NATURAL STONE VENEER	STONEYARD	LEDGESTONE	COLONIAL TAN		
07 92 00		JOINT SEALANTS					
08 14 00		INTERIOR WOOD DOORS	ANY	WHITE BIRCH PLAIN SLICED VENEER	CLEAR FINISH		
08 31 13		ACCESS PANELS			PAINT, SEE REMARKS.		PAINT TO MATCH ADJACENT SURFACE
09 30 00							
	T-3	METAL TRANSITION STRIP	SCHLUTER SYSTEMS	RENO-U	SATIN NICKEL ANODIZED	TBD BY INSTALLER	TRANSITION FROM LVT TO TILE FLOORING
	T-5	METAL TRANSITION STRIP	POWERHOLD	LVT BEVEL CAP	ETCHED ALUMINUM	TBD BY INSTALLER	TRANSITION FROM LVT TO EXISTING FLOORING
09 30 13							
	PT-1	PORCELAIN CERAMIC TILE	DALTILE	KEYSTONES MOSAIC	PEPPER WHITE D037	2" x 2"	GROUT: MAPEI KERAPOXY - 107 IRON
		CERAMIC WALL TILE	DALTILE	COLORWHEEL CLASSIC	WHITE 0100	3" x 6"	GROUT: MAPEI KERAPOXY - 93 WARM GRAY
	CT-1	CERMAIC WALL TILE	DALTILE	COLOR WHEEL CLASSIC FLAT TOP COVE BASE	WHITE 0100	6" x 6"	GROUT: MAPEI KERAPOXY - 93 WARM GRAY
	CT-2	CERAMIC WALL TILE	DALTILE	COLORWHEEL CLASSIC	GALAXY 1469	3" x 6"	GROUT: MAPEI KERAPOXY - 93 WARM GRAY
09 51 00							
	ACT-1	ACOUSTIC CEILING TILE	USG	2110 RADAR BASIC ACOUSTICAL PANELS	WHITE	24" x 24"	GRID: USG DX
	ACT-2	ACOUSTIC CEILING TILE	USG	CLEAN ROOM ACCOUSTICAL PANELS	WHITE	24" x 24"	GRID: USG DXL
09 65 13							
	RB-1	RESILIENT BASE	TARKETT	VINYL BASE	80 FAWN		
09 65 16							
	WSF-1	RESILIENT FLOORING	MANNINGTON	BIO SPEC MD	HUSH OR111		WELD ROD: 842322 OFF WHITE
09 65 19							
	VCT-1	VINYL COMPOSITION TILE	ARMSTRONG	STANDARD EXCELON IMPERIAL TEXTURE	FORTRESS WHITE 51839	12" x 12"	
	VCT-2	VINYL COMPOSITION TILE	ARMSTRONG	STANDARD EXCELON IMPERIAL TEXTURE	CAMEL BEIGE 51805	12" x 12"	
09 91 00							
	P-1	PAINT	BENJAMIN MOORE	ECO SPEC - EGGSHELL	962 GRAY MIST		
	P-2	PAINT	BENJAMIN MOORE	ECO SPEC - EGGSHELL	HC-45 SHAKER BEIGE		
	P-3	PAINT	BENJAMIN MOORE	ECO SPEC - EGGSHELL	AC-18 SMOKY MOUNTAIN		
	P-4	PAINT	BENJAMIN MOORE	ULTRA SPEC HP25	BRONZE TONE 64		HOLLOW METAL DOORS & FRAMES
	P-5	PAINT	BENJAMIN MOORE	ECO SPEC - FLAT	OC-151 WHITE		CEILING
10 26 00							
	CG-1	CORNER GUARD	ACROVYN	SSM-25AN	#100 EGGSHELL		
	HR-1	HAND RAIL	ACROVYN	HRB-4CN	#100 EGGSHELL		
	CR-1	CRASH RAIL	ACROVYN	SCR-48N	#100 EGGSHELL		
12 32 00							
	PLAM-1	PLASTIC LAMINATE	WILSONART	Y0643K-12	BRUSHED WALNUT		FINISH: #38
12 36 00							
	S-1	SOLID SURFACE	LX HAUSYS	HI MACS	MOONDUST G160		
	S-2	SOLID SURFACE SINK	LX HAUSYS	HI MACS SINGLE VANITY 1612 - ADA	ARCTIC WHITE S006		



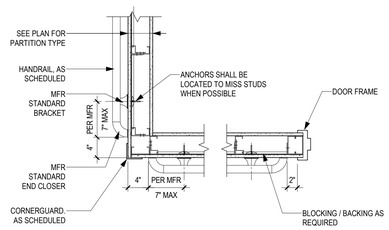
1 MEMORY BOX DETAIL
1" = 1'-0"



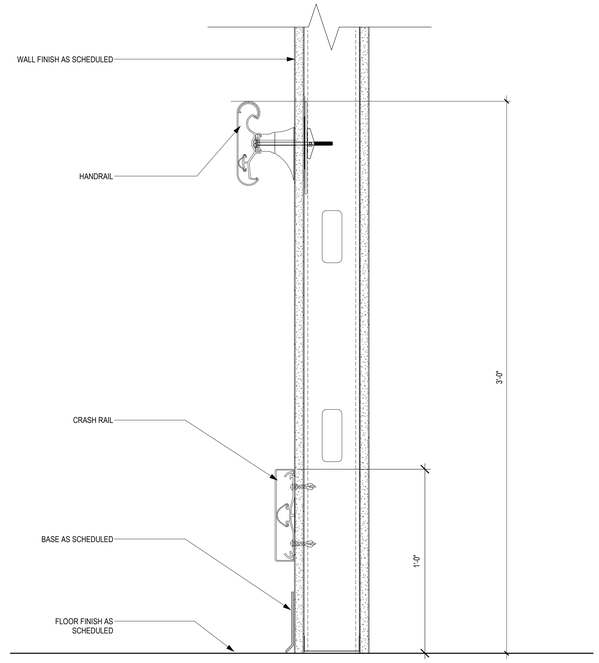
2 PLAN DETAIL - MEMORY/PPE BOX
3" = 1'-0"



3 SECTION DETAIL - MEMORY/PPE BOX
3" = 1'-0"



4 PLAN DETAIL - HANDRAIL CRASH RAIL DIAGARAM
1" = 1'-0"



5 SECTION AT HANDRAIL & CRASH RAIL
3" = 1'-0"

No	REVISION	DATE
1	UPDATE TO BID DOCUMENTS	05/14/25

CONSULTANT
DUNHAM
DUNHAM
50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
PHONE 612.465.7550 FAX 612.465.7551
WEB dunhameng.com
mechanical + electrical consulting engineering

ARCHITECT/ENGINEER OF RECORD
ANDERSON
13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 15479

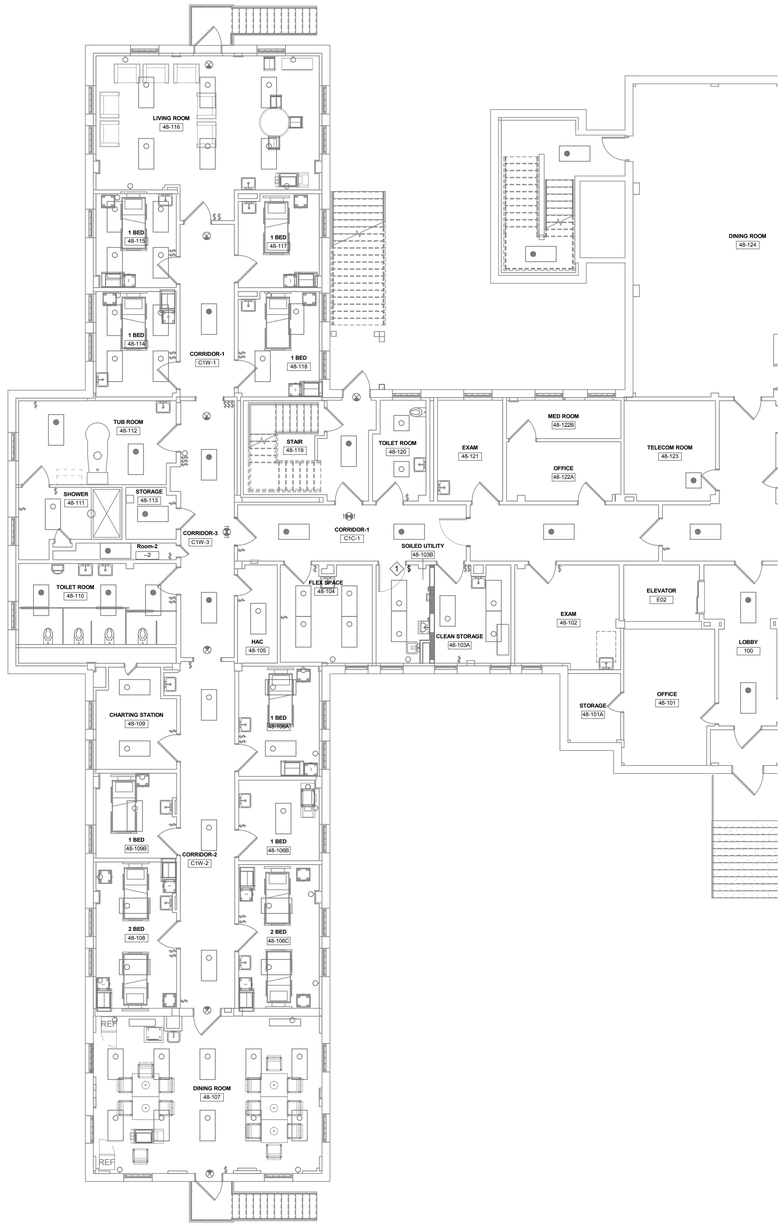
STAMP
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the state of Minnesota.
Signature:
Typed or Printed Name: Tom Olejak
Date: 08/27/24 License Number: 18157

DRAWING TITLE: MATERIAL AND ROOM FINISH SCHEDULE

PROJECT TITLE: REMODEL BUILDING 51-1 EAST FOR CLC
DATE: 08/23/2024
PLOT SCALE:
PROJECT NO: 656-19-307
BUILDING No:
CHECKED BY: CZ
DRAWN: CZ
DRAWING NO: AF600
LOCATION: VA MEDICAL CENTER ST.CLOUD, MN 56303
FULLY SPRINKLERED:
DWG OF

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

5/14/2025 1:13:15 PM
C:\Users\czupan\Documents\15479_BLDG 51_1st Floor_A23_czupan.IAMEX.rvt



1 BUILDING 48 LIGHTING PLAN
1/8" = 1'-0"

GENERAL NOTES:

A. BUILDING WILL BE IN USE DURING CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTION. TEMPORARY SERVICES (FEEDER, BRANCH CIRCUIT, AND SIGNAL SYSTEMS) SHALL BE INSTALLED IF ONE AREA OR PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING(S) OR IF THE EQUIPMENT, CONDUITS, OR FEEDERS HAVE TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. THERE SHALL BE DESIGNATED AREAS WHERE INTERRUPTIONS LIMITED TO AND SHALL BE CONDUCTED AFTER HOURS (8:00 PM -6:00 AM) MONDAY THROUGH SATURDAY. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION WHICH EXISTED PRIOR TO THE INTERRUPTION.

B. SIGNIFICANT NOISE PRODUCING WORK SHALL BE CONDUCTED AFTER HOURS (8:00 PM -6:00AM)

C. DO NOT REUSE EXISTING WIRING. PROVIDE NEW HOME RUNS UNLESS NOTED OTHERWISE. PROVIDE DEDICATED NEUTRALS AS REQUIRED BY THE NEC. HANDLE TIES OR MULTI POLE BREAKERS FOR SINGLE PHASE LOADS ARE UNACCEPTABLE.

D. COORDINATE LOCATION AND INSTALLATION OF CEILING MOUNTED EQUIPMENT WITH THE VA PRIOR TO ROUGH-IN.

E. INSTALL MINIMUM #10 AWG FOR ALL 120V CIRCUIT HOMERUNS IN EXCESS OF 75'.

F. ROUTE CONDUITS IN A MANNER TO CONCEAL WHERE POSSIBLE.

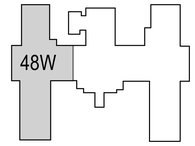
G. WHERE LIGHTING CONTROL DEVICES (OCCUPANCY / VACANCY SENSORS, RELAY MODULES, ETC) ARE SHOWN ON PLANS, LOCATE DEVICES IN EACH SPACE PER DEVICE TYPE AND MANUFACTURER RECOMMENDATIONS. INSTALL ALL RELAYS AND/OR POWER PACKS IN NEMA 1 ENCLOSURES TO ACHIEVE PLENUM RATINGS.

H. LIFE SAFETY LIGHTING SHALL BE UNSWITCHED UNLESS NOTED OTHERWISE.

KEY NOTES:

1. PROVIDE NEW LIGHT SWITCH TO CONTROL LIGHTS IN SOILED UTILITY.

KEY PLAN



CONSTRUCTION PACKAGE

No	REVISION	DATE
1	UPDATE TO BID DOCUMENTS	05/20/25

CONSULTANT

DUNHAM
DUNHAM
50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
PHONE 612.465.7550 FAX 612.465.7551
WEB dunhameng.com
mechanical + electrical consulting engineering

ARCHITECT/ENGINEER OF RECORD

ANDERSON
13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 15479

STAMP

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.

Name Jay D. Rohkohl, P.E.
Date 08/23/2024 Reg. No. 23434

DRAWING TITLE
FIRST FLOOR LIGHTING PLAN

PROJECT TITLE
REMODEL BUILDING 51-1
EAST FOR CLC

DATE: 08/23/2024
PLOT SCALE:
PROJECT NO: 656-19-307

BUILDING No	CHECKED BY	DRAWN	DRAWING NO
48	BZ	KB	48-EL110

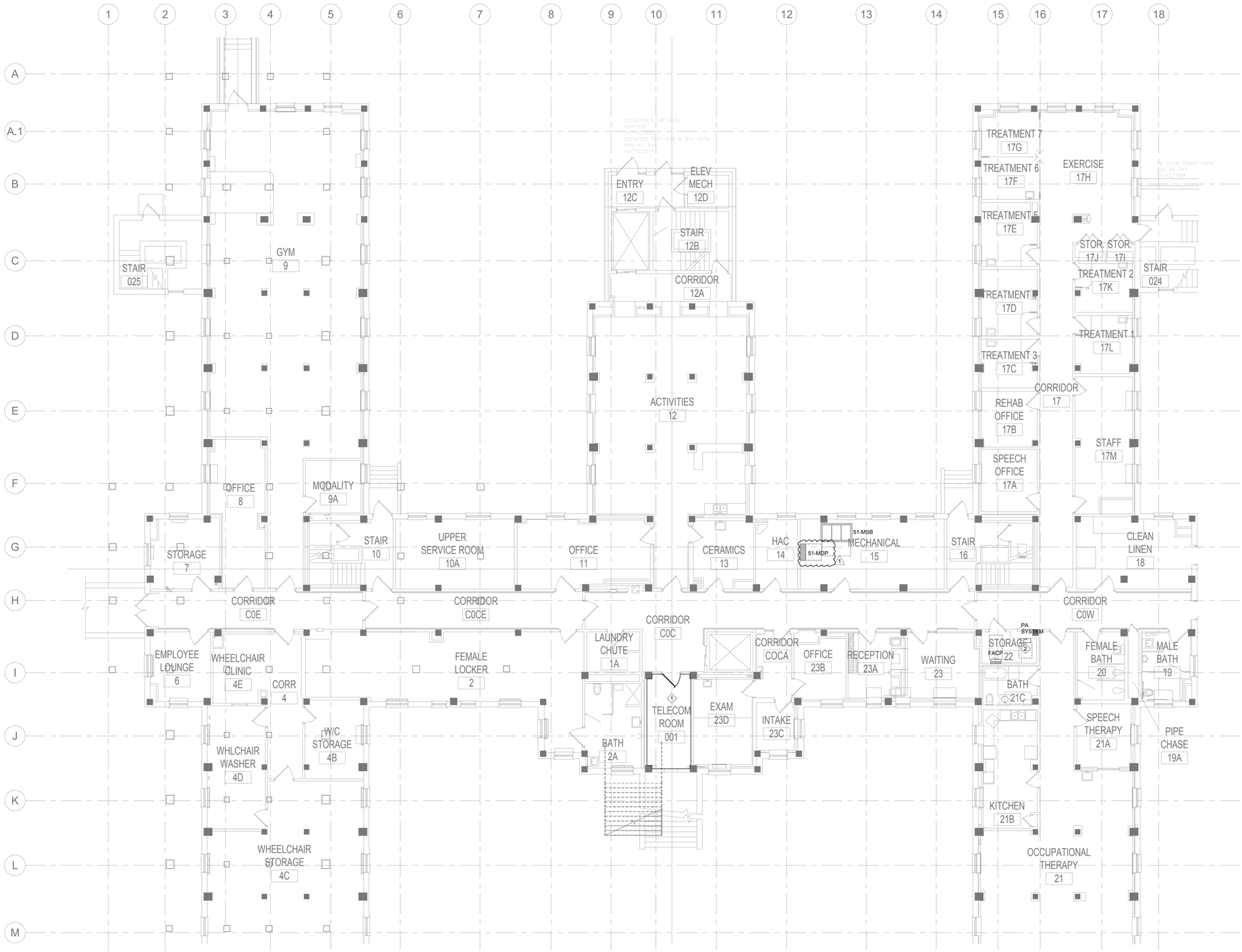
LOCATION
VA MEDICAL CENTER
ST CLOUD, MN 56303

FULLY SPRINKLERED

DWG OF

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

5/19/2025 10:01:58 AM
C:\Users\bonzi\Documents\15479_BLDG 51_1st Floor_E23_Ben.Zumm.rvt



1 BUILDING 51 BASEMENT ELECTRICAL PLAN
1/8" = 1'-0"

GENERAL NOTES:

A. BUILDING WILL BE IN USE DURING CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTION. TEMPORARY SERVICES (FEEDER, BRANCH CIRCUIT, AND SIGNAL SYSTEMS) SHALL BE INSTALLED IF ONE AREA OR PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING(S) OR IF THE EQUIPMENT, CONDUITS, OR FEEDERS HAVE TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. THERE SHALL BE DESIGNATED AREAS WHERE INTERRUPTIONS LIMITED TO AND SHALL BE CONDUCTED AFTER HOURS (8:00 PM -6:00 AM) MONDAY THROUGH SATURDAY. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION WHICH EXISTED PRIOR TO THE INTERRUPTION.

B. SIGNIFICANT NOISE PRODUCING WORK SHALL BE CONDUCTED AFTER HOURS (8:00 PM -6:00AM)

C. DO NOT REUSE EXISTING WIRING. PROVIDE NEW HOME RUNS UNLESS NOTED OTHERWISE. PROVIDE DEDICATED NEUTRALS AS REQUIRED BY THE NEC. HANDLE TIES OR MULTI POLE BREAKERS FOR SINGLE PHASE LOADS ARE UNACCEPTABLE.

D. COORDINATE LOCATION AND INSTALLATION OF CEILING MOUNTED EQUIPMENT WITH THE VA PRIOR TO ROUGH-IN.

E. INSTALL MINIMUM #10 AWG FOR ALL 120V CIRCUIT HOMERUNS IN EXCESS OF 75'.

F. ROUTE CONDUITS IN A MANNER TO CONCEAL WHERE POSSIBLE.

G. DEVICES SHOWN BACK-TO-BACK ARE FOR INTENT PURPOSES ONLY. DO NOT INSTALL BACK-TO-BACK TO PREVENT NOISE TRAVEL. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

H. ALL FURNITURE LAYOUTS ARE SHOWN FOR DESIGN INTENT ONLY. FINAL LOCATIONS OF FURNITURE AND ASSOCIATED POWER/DATA OUTLETS TO BE COORDINATED WITH OWNER.

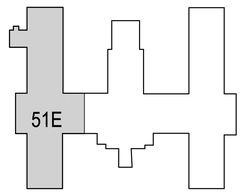
I. REFER TO MECHANICAL ELECTRICAL (ME) SCHEDULES FOR ELECTRICAL CONNECTION REQUIREMENTS TO MECHANICAL EQUIPMENT.

J. COORDINATE RECEPTACLE DEVICES NEXT TO COMMUNICATION DEVICES, SUCH THAT THE DEVICES ARE MOUNTED NEXT TO EACH OTHER.

KEY NOTES:

1. LOCATION OF TELECOMM ROOM FOR BUILDING 51. ALL DATA CABLING ROUTED TO THIS LOCATION.
2. EXISTING PA SYSTEM AMPLIFIER. EXPAND TO ACCOMODATE ALL NEW SPEAKERS.

KEY PLAN



CONSTRUCTION PACKAGE

No	REVISION	DATE
1	UPDATE TO BID DOCUMENTS	05/20/25

CONSULTANT
DUNHAM
DUNHAM
50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
PHONE 612.465.7550 FAX 612.465.7551
WEB dunhameng.com
mechanical + electrical consulting engineering

ARCHITECT/ENGINEER OF RECORD
ANDERSON
13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 15479

STAMP
I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Name Jay D. Rohkohl, P.E.
Date 08/23/2024 Reg. No. 23434

DRAWING TITLE: BASEMENT ELECTRICAL PLAN

PROJECT TITLE: REMODEL BUILDING 51-1 EAST FOR CLC
DATE: 08/23/2024
PLOT SCALE:
PROJECT NO: 656-19-307
BUILDING No: 51
CHECKED BY: BZ
DRAWN: KB
DRAWING NO: 51-EE100
LOCATION: VA MEDICAL CENTER ST.CLOUD, MN 56303
FULLY SPRINKLERED
DWG OF

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

5/19/2025 10:01:58 AM
C:\Users\benz\Documents\15479_BLDG 51_1st Floor_E23_Ben.Zum.rvt

1 BUILDING 51 LIGHTING PLAN - ZONE 1
1/4" = 1'-0"

GENERAL NOTES:

A. BUILDING WILL BE IN USE DURING CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTION. TEMPORARY SERVICES (FEEDER, BRANCH CIRCUIT, AND SIGNAL SYSTEMS) SHALL BE INSTALLED IF ONE AREA OR PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING(S) OR IF THE EQUIPMENT, CONDUITS, OR FEEDERS HAVE TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. THERE SHALL BE DESIGNATED AREAS WHERE INTERRUPTIONS LIMITED TO AND SHALL BE CONDUCTED AFTER HOURS (8:00 PM -6:00 AM) MONDAY THROUGH SATURDAY. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION WHICH EXISTED PRIOR TO THE INTERRUPTION.

B. SIGNIFICANT NOISE PRODUCING WORK SHALL BE CONDUCTED AFTER HOURS (8:00 PM -6:00AM)

C. DO NOT REUSE EXISTING WIRING. PROVIDE NEW HOME RUNS UNLESS NOTED OTHERWISE. PROVIDE DEDICATED NEUTRALS AS REQUIRED BY THE NEC. HANDLE TIES OR MULTI POLE BREAKERS FOR SINGLE PHASE LOADS ARE UNACCEPTABLE.

D. COORDINATE LOCATION AND INSTALLATION OF CEILING MOUNTED EQUIPMENT WITH THE VA PRIOR TO ROUGH-IN.

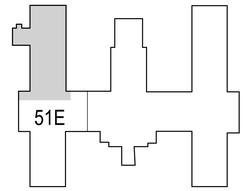
E. INSTALL MINIMUM #10 AWG FOR ALL 120V CIRCUIT HOMERUNS IN EXCESS OF 75'.

F. ROUTE CONDUITS IN A MANNER TO CONCEAL WHERE POSSIBLE.

G. WHERE LIGHTING CONTROL DEVICES (OCCUPANCY / VACANCY SENSORS, RELAY MODULES, ETC) ARE SHOWN ON PLANS, LOCATE DEVICES IN EACH SPACE PER DEVICE TYPE AND MANUFACTURER RECOMMENDATIONS. INSTALL ALL RELAYS AND/OR POWER PACKS IN NEMA 1 ENCLOSURES TO ACHIEVE PLENUM RATINGS.

H. LIFE SAFETY LIGHTING SHALL BE UNSWITCHED UNLESS NOTED OTHERWISE.

KEY PLAN



CONSTRUCTION PACKAGE

No	REVISION	DATE
1	UPDATE TO BID DOCUMENTS	05/20/25

CONSULTANT

DUNHAM
DUNHAM
50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
PHONE 612.465.7550 FAX 612.465.7551
WEB dunhameng.com
mechanical + electrical consulting engineering

ARCHITECT/ENGINEER OF RECORD

ANDERSON
13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 15479

STAMP

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Name Jay D. Rohkohl, P.E.
Date 08/23/2024 Reg. No. 23434

DRAWING TITLE
FIRST FLOOR LIGHTING PLAN - ZONE 1

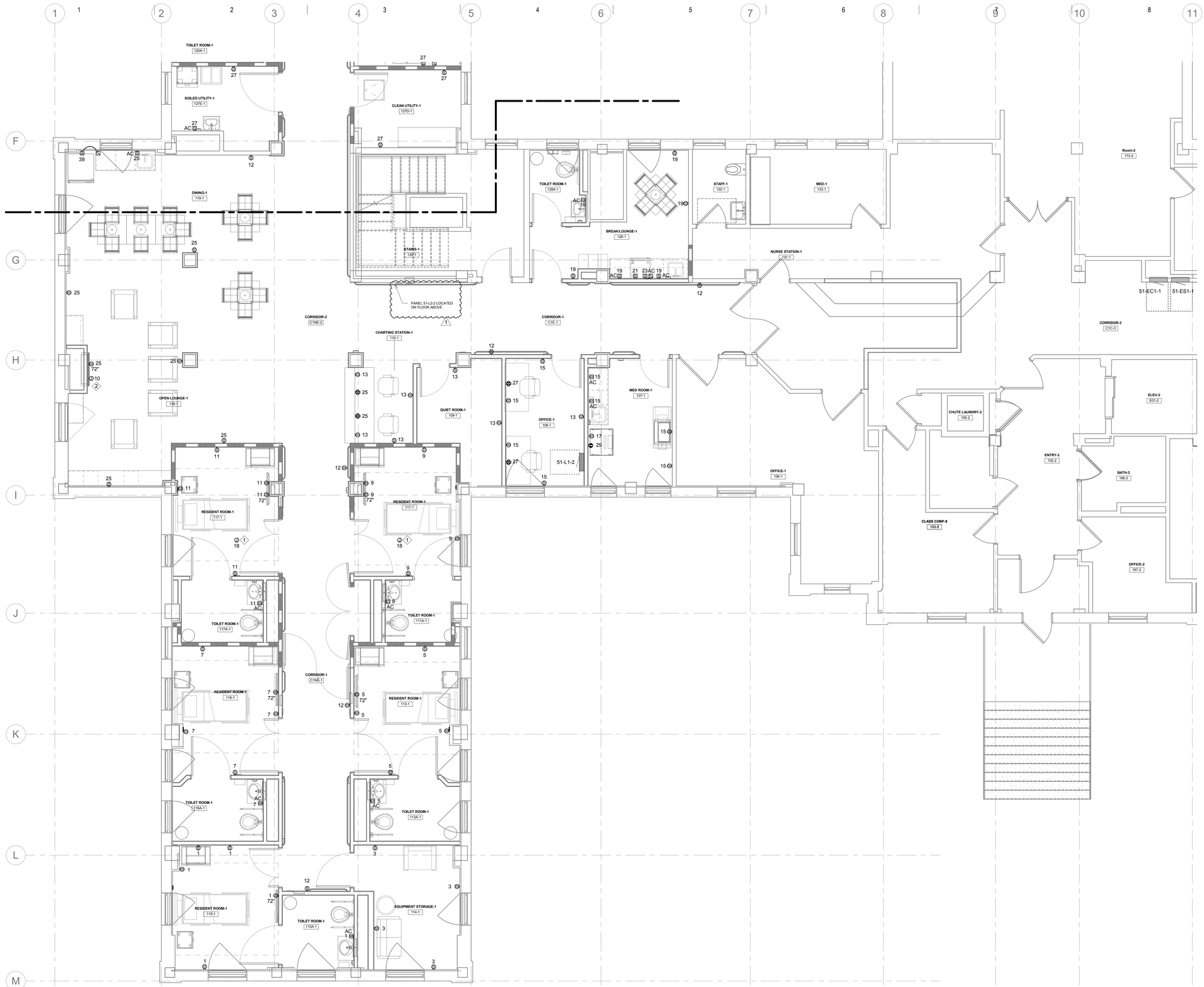
PROJECT TITLE
REMODEL BUILDING 51-1 EAST FOR CLC

DATE 08/23/2024
PLOT SCALE
PROJECT NO 656-19-307

BUILDING No 51 | CHECKED BY BZ | DRAWN KB | DRAWING NO 51-EL110
LOCATION VA MEDICAL CENTER ST.CLOUD, MN 56303 | FULLY SPRINKLERED | DWG. OF

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

5/19/2025 10:01:59 AM
C:\Users\benz\Documents\15479_BLDG 51_1st Floor_E23_Ben.Zumm.rvt



1 BUILDING 51 POWER PLAN - ZONE 2
1/4" = 1'-0"

GENERAL NOTES:

A. BUILDING WILL BE IN USE DURING CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTION. TEMPORARY SERVICES (FEEDER, BRANCH CIRCUIT, AND SIGNAL SYSTEMS) SHALL BE INSTALLED IF ONE AREA OR PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING(S) OR IF THE EQUIPMENT, CONDUITS, OR FEEDERS HAVE TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. THERE SHALL BE DESIGNATED AREAS WHERE INTERRUPTIONS LIMITED TO AND SHALL BE CONDUCTED AFTER HOURS (8:00 PM -6:00 AM) MONDAY THROUGH SATURDAY. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION WHICH EXISTED PRIOR TO THE INTERRUPTION.

B. SIGNIFICANT NOISE PRODUCING WORK SHALL BE CONDUCTED AFTER HOURS (8:00 PM -6:00AM)

C. DO NOT REUSE EXISTING WIRING. PROVIDE NEW HOME RUNS UNLESS NOTED OTHERWISE. PROVIDE DEDICATED NEUTRALS AS REQUIRED BY THE NEC. HANDLE TIES OR MULTI POLE BREAKERS FOR SINGLE PHASE LOADS ARE UNACCEPTABLE.

D. COORDINATE LOCATION AND INSTALLATION OF CEILING MOUNTED EQUIPMENT WITH THE VA PRIOR TO ROUGH-IN.

E. INSTALL MINIMUM #10 AWG FOR ALL 120V CIRCUIT HOMERUNS IN EXCESS OF 75'.

F. ROUTE CONDUITS IN A MANNER TO CONCEAL WHERE POSSIBLE.

G. DEVICES SHOWN BACK-TO-BACK ARE FOR INTENT PURPOSES ONLY. DO NOT INSTALL BACK-TO-BACK TO PREVENT NOISE TRAVEL. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

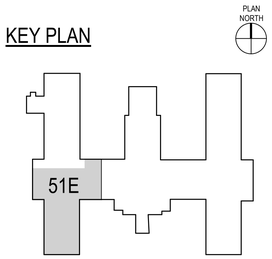
H. ALL FURNITURE LAYOUTS ARE SHOWN FOR DESIGN INTENT ONLY. FINAL LOCATIONS OF FURNITURE AND ASSOCIATED POWER/DATA OUTLETS TO BE COORDINATED WITH OWNER.

I. COORDINATE RECEPTACLE DEVICES NEXT TO COMMUNICATION DEVICES, SUCH THAT THE DEVICES ARE MOUNTED NEXT TO EACH OTHER.

KEY NOTES:

1. PROVIDE CONNECTION TO PATIENT LIFT TRANSFORMER.
2. PROVIDE CONNECTION TO ELECTRIC FIREPLACE. VERIFY HEATING ELEMENT HAS BEEN REMOVED.

KEY PLAN



CONSTRUCTION PACKAGE

No	REVISION	DATE
1	UPDATE TO BID DOCUMENTS	05/20/25

CONSULTANT
DUNHAM
DUNHAM
50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
PHONE 612.465.7550 FAX 612.465.7551
WEB dunhameng.com
mechanical + electrical consulting engineering

ARCHITECT/ENGINEER OF RECORD
ANDERSON
13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 15479

STAMP
I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Name Jay D. Rohkohl, P.E.
Date 08/23/2024 Reg. No. 23434

DRAWING TITLE
FIRST FLOOR POWER PLAN - ZONE 2

PROJECT TITLE
REMODEL BUILDING 51-1 EAST FOR CLC

DATE 08/23/2024
PLOT SCALE
PROJECT NO. 656-19-307
BUILDING No 51
CHECKED BY BZ
DRAWN KB
DRAWING NO. 51-EP111
LOCATION VA MEDICAL CENTER ST.CLOUD, MN 56303
FULLY SPRINKLERED
DWG. OF

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

5/19/2025 10:01:59 AM
C:\Users\benz\Documents\15479_BLDG 51_1st Floor_E23_Ben.Zum.rvt

GENERAL NOTES:

A. BUILDING WILL BE IN USE DURING CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTION. TEMPORARY SERVICES (FEEDER, BRANCH CIRCUIT, AND SIGNAL SYSTEMS) SHALL BE INSTALLED IF ONE AREA OR PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING(S) OR IF THE EQUIPMENT, CONDUITS, OR FEEDERS HAVE TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. THERE SHALL BE DESIGNATED AREAS WHERE INTERRUPTIONS LIMITED TO AND SHALL BE CONDUCTED AFTER HOURS (8:00 PM -6:00 AM) MONDAY THROUGH SATURDAY. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION WHICH EXISTED PRIOR TO THE INTERRUPTION.

B. SIGNIFICANT NOISE PRODUCING WORK SHALL BE CONDUCTED AFTER HOURS (8:00 PM -6:00AM)

C. COORDINATE LOCATION AND INSTALLATION OF CEILING MOUNTED EQUIPMENT WITH THE VA PRIOR TO ROUGH-IN.

D. ROUTE CONDUITS IN A MANNER TO CONCEAL WHERE POSSIBLE.

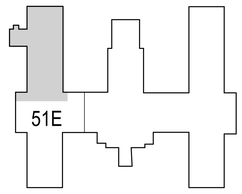
E. DEVICES SHOWN BACK-TO-BACK ARE FOR INTENT PURPOSES ONLY. DO NOT INSTALL BACK-TO-BACK TO PREVENT NOISE TRAVEL. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

F. ALL FURNITURE LAYOUTS ARE SHOWN FOR DESIGN INTENT ONLY. FINAL LOCATIONS OF FURNITURE AND ASSOCIATED POWER/DATA OUTLETS TO BE COORDINATED WITH OWNER.

G. COORDINATE RECEPTACLE DEVICES NEXT TO COMMUNICATION DEVICES, SUCH THAT THE DEVICES ARE MOUNTED NEXT TO EACH OTHER.

1 BUILDING 51 SYSTEMS PLAN - ZONE 1
1/4" = 1'-0"

KEY PLAN



CONSTRUCTION PACKAGE

No	REVISION	DATE
1	UPDATE TO BID DOCUMENTS	05/20/25

CONSULTANT

DUNHAM

DUNHAM
50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
PHONE 612.465.7550 FAX 612.465.7551
WEB dunhameng.com
mechanical + electrical consulting engineering

ARCHITECT/ENGINEER OF RECORD

ANDERSON
13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 15479

STAMP

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Name Jay D. Rohkohl, P.E.

Date 08/23/2024 Reg. No. 23434

DRAWING TITLE: FIRST FLOOR SYSTEMS PLAN - ZONE 1

PROJECT TITLE: REMODEL BUILDING 51-1 EAST FOR CLC

DATE: 08/23/2024

PLOT SCALE:

PROJECT NO: 656-19-307

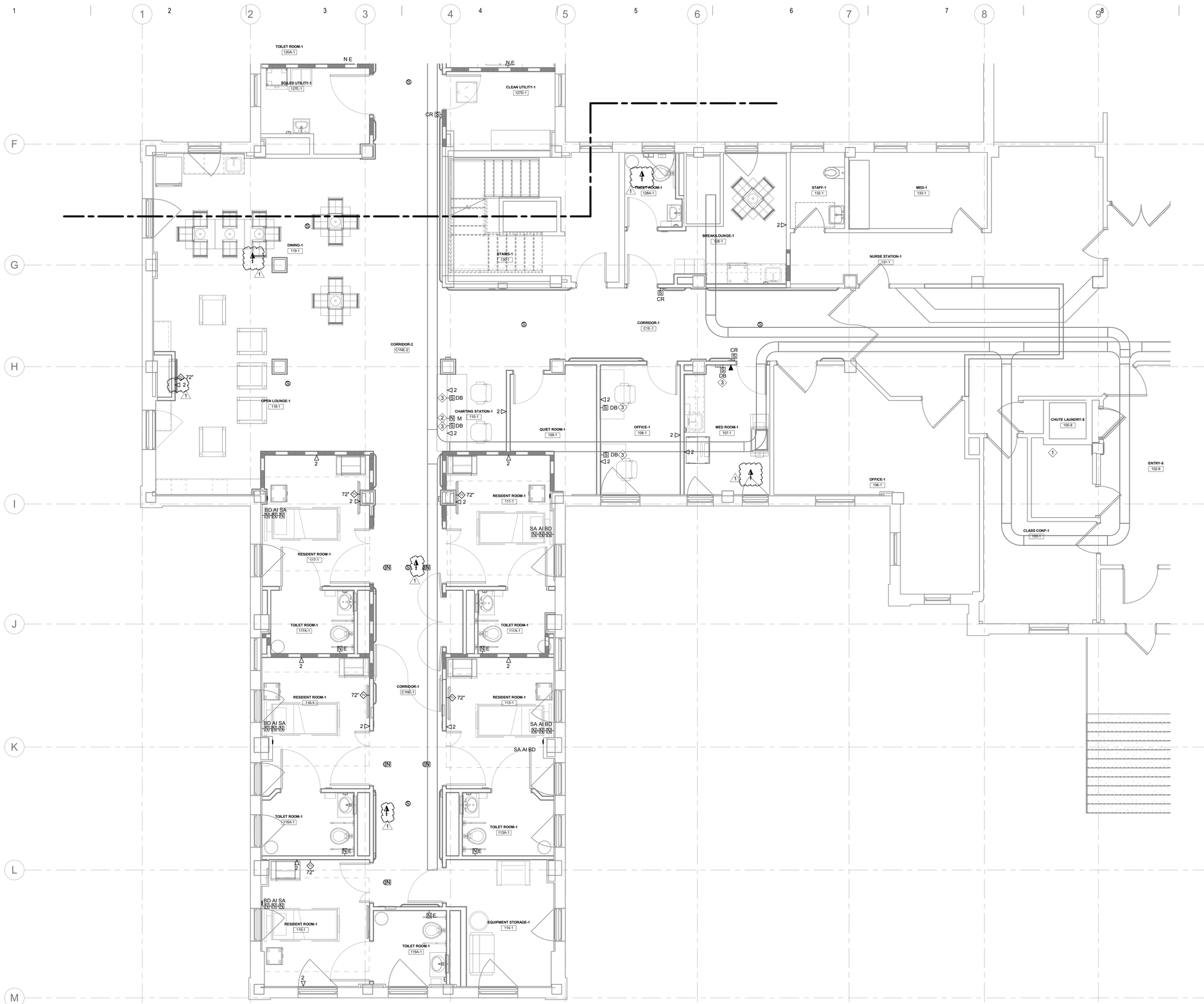
BUILDING No: 51 | CHECKED BY: BZ | DRAWN: KB | DRAWING NO: 51-ES110

LOCATION: VA MEDICAL CENTER ST.CLOUD, MN 56303 | FULLY SPRINKLERED | DWG OF

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

5/19/2025 10:02:00 AM

C:\Users\benz\Documents\15479_BLDG 51_1st Floor_E23_Ben.Zum.rvt



1 BUILDING 51 SYSTEMS PLAN - ZONE 2
1/4" = 1'-0"

GENERAL NOTES:

A. BUILDING WILL BE IN USE DURING CONSTRUCTION. SCHEDULE AND CARRY OUT THE WORK IN SUCH A MANNER AS TO CAUSE THE OWNER A MINIMUM OF INCONVENIENCE DUE TO SERVICE INTERRUPTION. TEMPORARY SERVICES (FEEDER, BRANCH CIRCUIT, AND SIGNAL SYSTEMS) SHALL BE INSTALLED IF ONE AREA OR PHASE OF CONSTRUCTION DISRUPTS SERVICE TO ANOTHER AREA OF THE BUILDING(S) OR IF THE EQUIPMENT, CONDUITS, OR FEEDERS HAVE TO BE RELOCATED TO ALLOW CONSTRUCTION TO PROGRESS. SERVICE INTERRUPTIONS SHALL BE CONFINED TO THE SMALLEST AREA POSSIBLE AT ANY ONE TIME AND INTERRUPTIONS SHALL BE SCHEDULED WITH THE OWNER'S SITE REPRESENTATIVE. THERE SHALL BE DESIGNATED AREAS WHERE INTERRUPTIONS LIMITED TO AND SHALL BE CONDUCTED AFTER HOURS (8:00 PM -6:00 AM) MONDAY THROUGH SATURDAY. AFTER SERVICE HAS BEEN RESTORED FOLLOWING AN INTERRUPTION, INSPECT AREAS AFFECTED BY THE INTERRUPTION AND BE RESPONSIBLE FOR RETURNING AUTOMATICALLY CONTROLLED EQUIPMENT TO THE SAME OPERATING CONDITION WHICH EXISTED PRIOR TO THE INTERRUPTION.

B. SIGNIFICANT NOISE PRODUCING WORK SHALL BE CONDUCTED AFTER HOURS (8:00 PM -6:00AM)

C. COORDINATE LOCATION AND INSTALLATION OF CEILING MOUNTED EQUIPMENT WITH THE VA PRIOR TO ROUGH-IN.

D. ROUTE CONDUITS IN A MANNER TO CONCEAL WHERE POSSIBLE.

E. DEVICES SHOWN BACK-TO-BACK ARE FOR INTENT PURPOSES ONLY. DO NOT INSTALL BACK-TO-BACK TO PREVENT NOISE TRAVEL. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

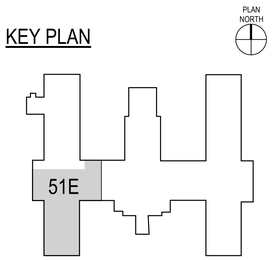
F. ALL FURNITURE LAYOUTS ARE SHOWN FOR DESIGN INTENT ONLY. FINAL LOCATIONS OF FURNITURE AND ASSOCIATED POWER/DATA OUTLETS TO BE COORDINATED WITH OWNER.

G. COORDINATE RECEPTACLE DEVICES NEXT TO COMMUNICATION DEVICES, SUCH THAT THE DEVICES ARE MOUNTED NEXT TO EACH OTHER.

KEY NOTES:

1. EXISTING LADDER CABLE TRAY TO TELECOM ROOM 001. SEE 51-EE100.
2. PRIMARY MASTER STATION FOR NURSE CALL DEVICES. DEVICES SHALL ALSO REPORT TO NURSE STATION 131-1.
3. MOUNT DEVICES TO OWNER PROVIDED FURNITURE.

KEY PLAN



CONSTRUCTION PACKAGE

No	REVISION	DATE
1	UPDATE TO BID DOCUMENTS	05/20/25

CONSULTANT

DUNHAM
DUNHAM
50 South Sixth Street / Suite 1100
Minneapolis, Minnesota 55402-1540
PHONE 612.465.7550 FAX 612.465.7551
WEB dunhameng.com
mechanical + electrical consulting engineering

ARCHITECT/ENGINEER OF RECORD

ANDERSON
13605 1st Ave. N. #100 Plymouth, MN 55441
P 763.412.4000 | F 763.412.4090 | ae-mn.com
Anderson Engineering of Minnesota, LLC | Proj # 15479

STAMP

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Name Jay D. Rohkohl, P.E.
Date 08/23/2024 Reg. No. 23434

DRAWING TITLE
FIRST FLOOR SYSTEMS PLAN - ZONE 2

PROJECT TITLE
REMODEL BUILDING 51-1 EAST FOR CLC

DATE 08/23/2024
PLOT SCALE
PROJECT NO. 656-19-307
BUILDING No 51
CHECKED BY BZ
DRAWN KB
DRAWING NO. 51-ES111
LOCATION VA MEDICAL CENTER ST CLOUD, MN 56303
FULLY SPRINKLERED
DWG OF

U.S. Department of Veterans Affairs
Veterans Health Administration
St. Cloud VA Health Care System

5/19/2025 10:02:01 AM
C:\Users\benz\Documents\15479_BLDG 51_1st Floor_E23_Ben.Zum.rvt

SIGNOFF / APPROVAL NOTES

1. **The facility structure capacity must be able to support the load specified on the installation drawing.**

2. **Electrical power source provided by the facility, position to be verified in the field.**

3. **Guldmann Inc. reserves the right to slightly modify the track layout if necessary without Facility approval. This includes lowering the system to avoid ceiling objects.**

4. **Guldmann Inc. will not be held responsible for any damages, inconvenience, resulting from hitting any non visible conduits during our installation process of which we have not been advised.**

5. **Modifications of door headers by the facility.**

6. ***Signed drawings are required prior to ordering and installation of ceiling lifts.***
   This signature of each drawing confirms agreement of all the conditions listed above.

7. **Systems are tested at 1.5 times capacity.**
   550 lbs. tested at 825 lbs.; 770 lbs. tested at 1155 lbs.; 825 lbs. tested at 1238 lbs.; 1100 lbs. tested at 1650 lbs.

MY SIGNATURE BELOW VERIFIES THAT I HAVE:

Reviewed all 8 **pages, with a total quantity of** 5 **room(s),** 5 **system(s) for the approbation of layout for each room and the approbation of structure for each room.**

CUSTOMER APPROVAL: _____ **DATE:** _____

St. Cloud VA Healthcare
St. Cloud VA Bldg. 51 L1 East
4801 Veteran Dr.
St. Cloud, MN 56303
PROJECT ID:103896

Revision Schedule			
Date	Issued by	Letter	Description
06/02/2024	TRC	A	UPDATED BACKGROUNDS, MINOR ADJUSTMENTS TOP RAILS FOR WALL,DOOR CHANGES
06/17/2024	MGE	B	EXTENDED LIFTS RM 111, RM 117, RM 127. UPDATED CHART. MATERIAL

Guldmann Inc.
14401 McCormick Drive
Tampa FL. 33626 Unit A
Toll Free: 1(800)-664-8834
Fax: 1(813)-880-9558
Email: Info@Guldmann.net

NOTES
1. HOIST = 770 LBS
2. FLUSHED RECESSED / TYPE - P
3. CEILING HEIGHT = 8' - 0"
   AFF TO DECK = 11' - 11"
4. ATTACHMENT TYPE =
   CONCRETE BEAM
   SPAN = 2' - 0"

ACCURATE TO 4" BASED ON PDF CONVERSION

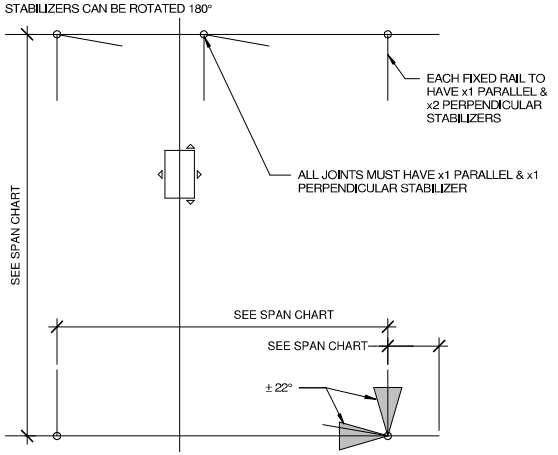
DATE:	DRAWN BY:
01/24/2024	MGE

APPROVED BY:

PROJECT NAME: St. Cloud VA Bldg. 51 L1 East

SHEET DESCRIPTION: FACILITY SIGNOFF

SHEET NO: GUL101

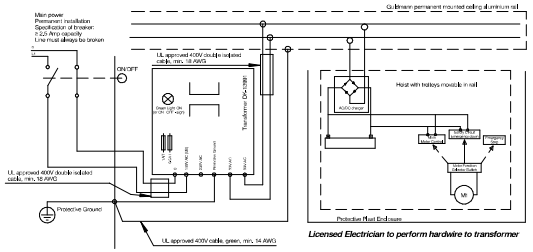


1 BRACING + SUPPORT
NTS

Fixed rail systems
Fixed rail systems must be connected by Guldmann Service Team or by a qualified installer.
A Guldmann class I transformer must be used.
Installation to following existing rules for authorized electricians and according to IEC/UL 60601-1.

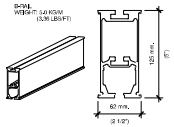
Terminals on transformers Class I
Double-insulated UL approved cable must be used (Cable specification: UL category: AVLV2, min,300V, min. 80° C, min. 18AWG (1 mm2))
Transformer DK-13991
In:
Terminal 1 = N
Terminal 2 = 100-115V AC
Terminal 3 = 230V AC
Terminal 4 = Protective ground
Out:
Terminal 5 = 33V AC
Terminal 6 = 33V AC

POWER TO BE WITHIN 15 FT OF END OF FIXED RAIL

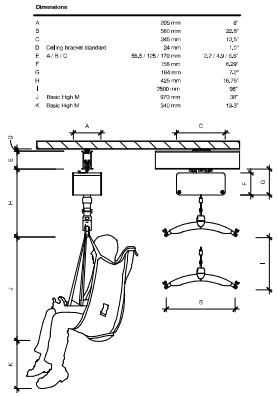


2 GH3 TRANSFORMER
NTS

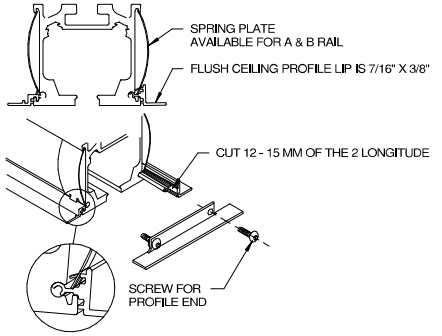
SPAN CHART B-RAIL							
LOAD LIMIT		CANTILEVER (SNGL)		CANTILEVER (PAR)		SPAN (BETWEEN SUPPORTS)	
KG	LBS	MM	INCHES	MM	INCHES	MM	INCHES
175	385	565	22 ¼	715	28	5500	215
205	450	525	20 ½	675	26 ½	5250	205
255	560	485	19	635	25	4750	186
275	605	485	19	630	24 ¾	4500	176
300	660	455	17 ¾	605	23 ¾	4500	176
350	770	445	17 ¾	595	23 ¼	4000	157
375	825	425	16 ½	575	22 ½	4000	157
400	880	425	16 ½	575	22 ½	3750	147



3 B-RAIL SPAN CHART / WEIGHT / DIMS
NTS



4 GH3 PATIENT SLING DIMS
NTS



5 FLUSH CEILING PROFILE
NTS

Guldmann Inc.
14401 McCormick Drive
Tampa FL, 33626 Unit A
Toll Free: 1(800)-664-8834
Fax: 1(813)-882-9558
Email: Info@Guldmann.net

NOTES

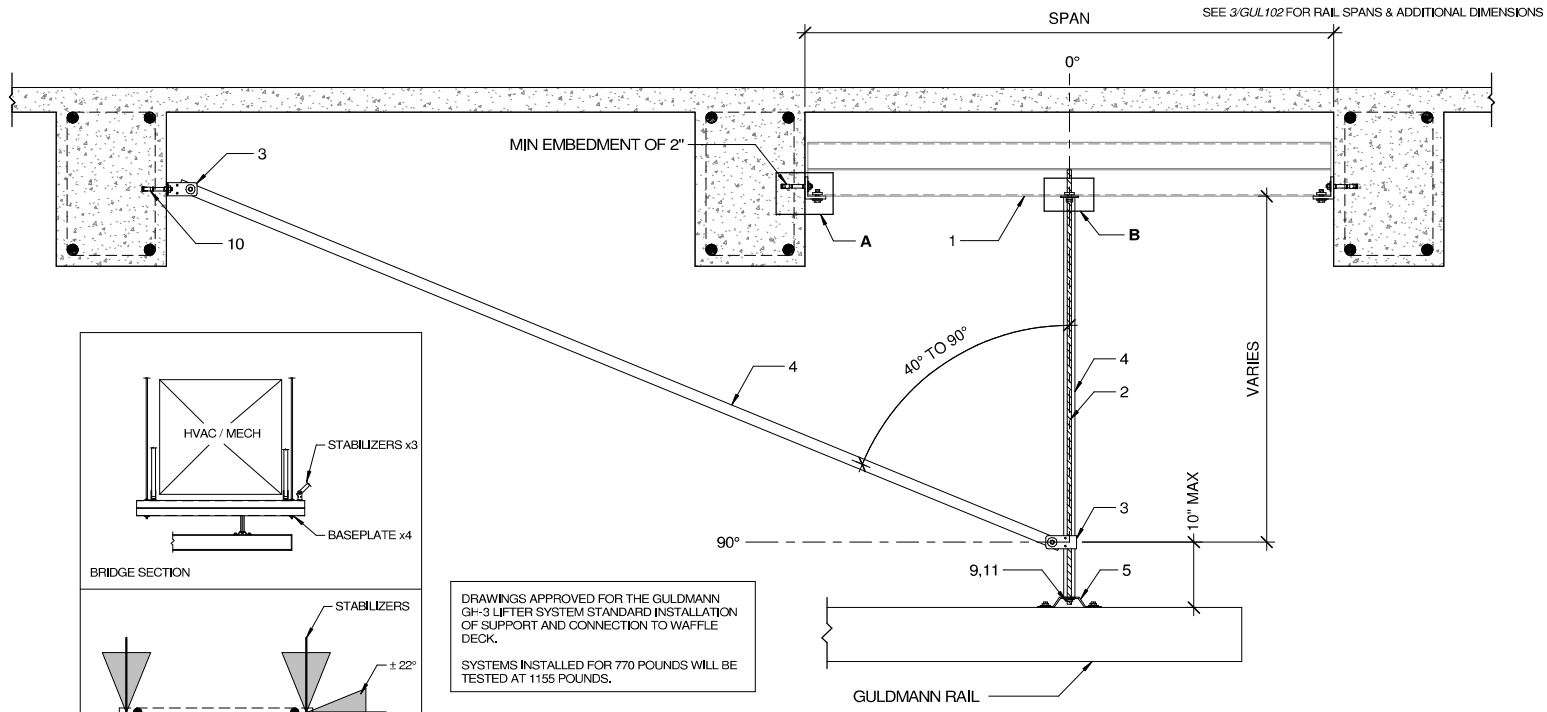
1. HOIST = 770 LBS
2. FLUSHED RECESSED / TYPE - P
3. CEILING HEIGHT = 8' - 0"
   AFF TO DECK = 11' - 11"
4. ATTACHMENT TYPE =
   CONCRETE BEAM
   SPAN = 2' - 0"

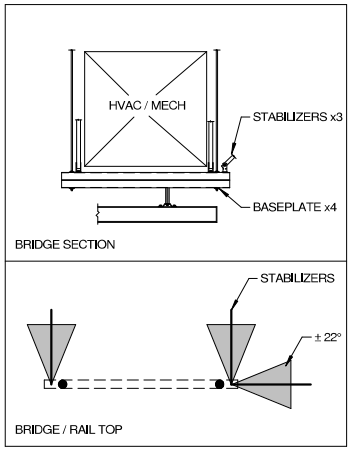
Revision Schedule

Date	Issued by	Number
06/02/2024	TRC	A
06/17/2024	MGE	B

DATE: 01/24/2024
DRAWN BY: MGE
APPROVED BY:
PROJECT NAME: St. Cloud VA Bldg. 51 L1 East
SHEET DESCRIPTION: GEN. INFO
SHEET NO: GUL102

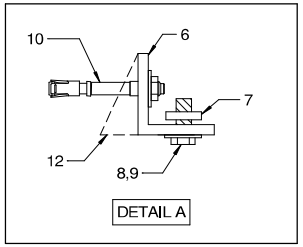
PROJECT ID:103896

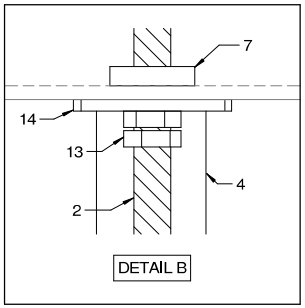


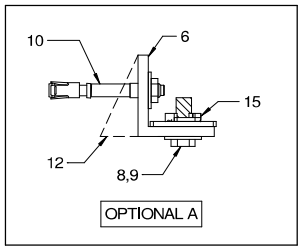


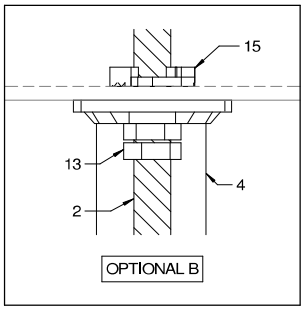
DRAWINGS APPROVED FOR THE GULDMANN GH-3 LIFTER SYSTEM STANDARD INSTALLATION OF SUPPORT AND CONNECTION TO WAFFLE DECK.

SYSTEMS INSTALLED FOR 770 POUNDS WILL BE TESTED AT 1155 POUNDS.









WAFFLE DECK / CONCRETE BEAM		
TAG	ITEM NUMBER	DESCRIPTION
1	P5501-T	2-7/16" X 10' B2B STRUT SLOTTED
2	123460	3/8" B7 THREADED ROD
3	550439	STABILIZER BRACKET KIT - GULDMANN
4	550481-US	1" Ø-6013-T6 AL TUBE - GULDMANN
5	550435	CEILING BRACKET KIT - GULDMANN
6	P1026	2 HOLE 90 DEG. BRACKET
7	377882	MQM-F WINGNUT 3/8"
8	411764	3/8" X 1-1/4" HEX BOLT
9	11101273	3/8" X 1-1/4" X 1/8" WASHER (THICK)
10	2231456	3/8" X 3-3/4" KB-TZ2 ANCHOR
11	1137024	3/8" NYLOCK NUT
12	33873	3/8" BEVELLED WASHER (USED AS NEEDED)
13	411752	3/8" HEX NUT
14	370632	MQZ-L BASEPLATE 3/8"
15	377885	MQA-F SADDLE NUT 3/8" (OPTIONAL)

PROJECT ID:103896

Guldmann Inc.
14401 McCormick Drive
Tampa FL, 33626 Unit A
Toll Free: 1(800)-664-5834
Fax: 1(813)-882-9558
Email: Info@Guldmann.net

NOTES

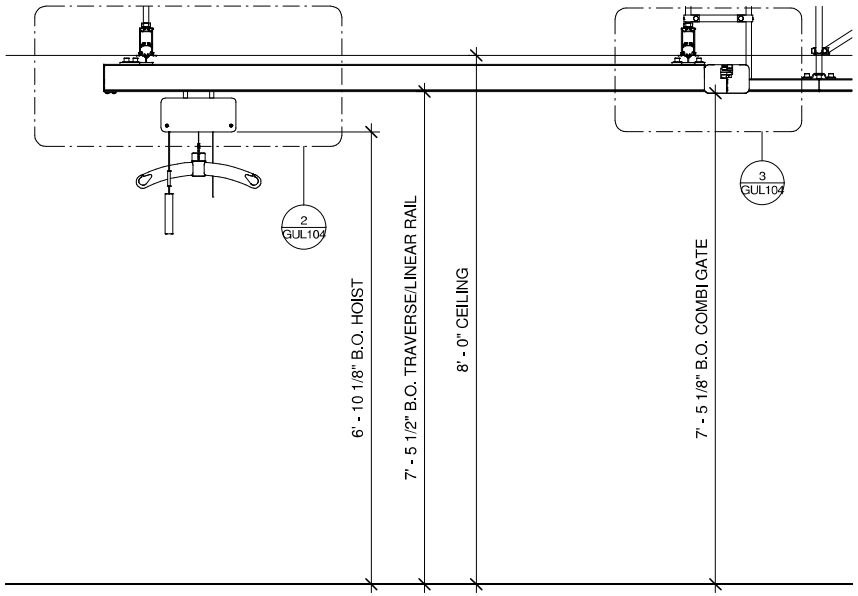
1. HOIST = 770 LBS
2. FLUSHED RECESSED / TYPE - P
3. CEILING HEIGHT = 8' - 0"
   AFF TO DECK = 11' - 11"
4. ATTACHMENT TYPE =
   CONCRETE BEAM
   SPAN = 2' - 0"

Revision Schedule

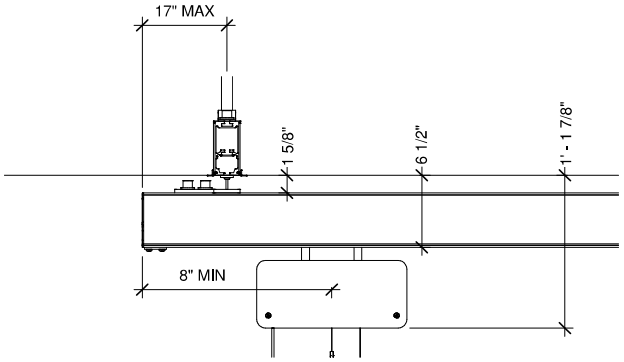
Date	Issued by	Number
06/02/2024	TRC	A

DATE: 01/24/2024
DRAWN BY: MGE
APPROVED BY:
PROJECT NAME: St. Cloud VA Bldg. 51 L1 East
SHEET DESCRIPTION: ATTACHMENT
SHEET NO: GUL103

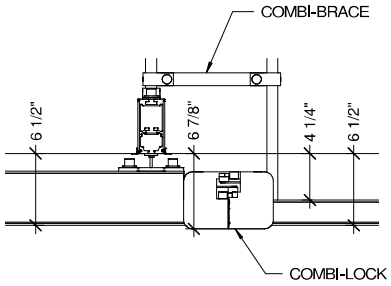
SEE *3/GUL102* FOR RAIL SPANS & ADDITIONAL DIMENSIONS



① TYP ELEVATION
3/4" = 1'-0"



② CEILING / HOIST DETAIL
1 1/2" = 1'-0"



③ CEILING / COMBI-LOCK DETAIL
1 1/2" = 1'-0"

PROJECT ID:103896

Guldmann Inc.
14401 McCormick Drive
Tampa FL, 33626 Unit A
Toll Free: 1(800)-664-5834
Fax: 1(813)-882-9558
Email: Info@Guldmann.net

NOTES

1. HOIST = 770 LBS
2. FLUSHED RECESSED / TYPE - P
3. CEILING HEIGHT = 8' - 0"
   AFF TO DECK = 11' - 11"
4. ATTACHMENT TYPE =
   CONCRETE BEAM
   SPAN = 2' - 0"

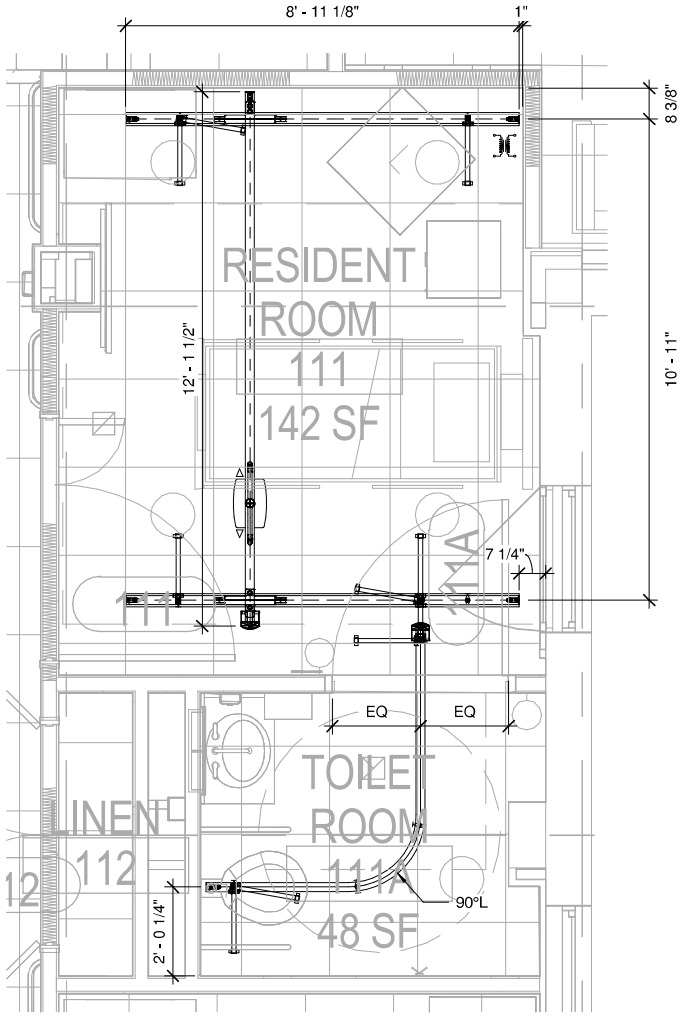
Revision Schedule

Date	Issued by	Number
06/02/2024	TRC	A

DATE: 01/24/2024
DRAWN BY: MGE
APPROVED BY:
PROJECT NAME: St. Cloud VA Bldg. 51 L1 East
SHEET DESCRIPTION: PROJECT DETAILS
SHEET NO: GUL104

VERIFY SIZE AND LOCATION IN FIELD.

SEE *3/GUL102* FOR RAIL SPANS & ADDITIONAL DIMENSIONS



1 RM 111
1/2" = 1'-0"

PROJECT ID:103896

Guldmann Inc.
14401 McCormick Drive
Tampa FL, 33626 Unit A
Toll Free: 1(800)-664-8834
Fax: 1(813)-882-9558
Email: Info@Guldmann.net

NOTES

1. HOIST = 770 LBS
2. FLUSHED RECESSED / TYPE - P
3. CEILING HEIGHT = 8' - 0"
   AFF TO DECK = 11' - 11"
4. ATTACHMENT TYPE =
   CONCRETE BEAM
   SPAN = 2' - 0"

KEY

- Hoist Transformer
- Ceiling bracket, Extended
- Stabilizers
- B rail
- Hoist

ACCURATE TO 4" BASED ON PDF CONVERSION

Revision Schedule

Date	Issued by	Number
06/02/2024	TRC	A
06/17/2024	MGE	B

DATE: 01/24/2024

DRAWN BY: MGE

APPROVED BY:

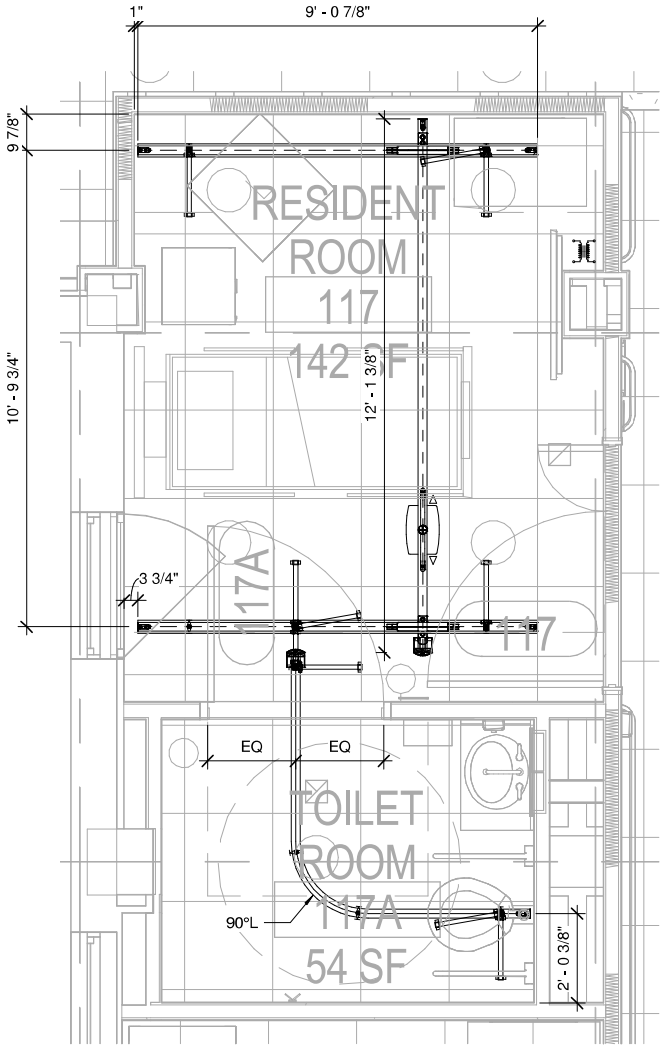
PROJECT NAME: St. Cloud VA Bldg. 51 L1 East

SHEET DESCRIPTION: RM 111

SHEET NO: GUL105

VERIFY SIZE AND LOCATION IN FIELD.

SEE *3/GUL102* FOR RAIL SPANS & ADDITIONAL DIMENSIONS



1 RM 117
1/2" = 1'-0"

PROJECT ID:103896

Guldmann Inc.
14401 McCormick Drive
Tampa FL, 33626 Unit A
Toll Free: 1(800)-664-8834
Fax: 1(813)-882-9558
Email: Info@Guldmann.net

NOTES

1. HOIST = 770 LBS
2. FLUSHED RECESSED / TYPE - P
3. CEILING HEIGHT = 8' - 0"
   AFF TO DECK = 11' - 11"
4. ATTACHMENT TYPE =
   CONCRETE BEAM
   SPAN = 2' - 0"

KEY

- Hoist Transformer
- Ceiling bracket, Extended
- Stabilizers
- B rail
- Hoist

ACCURATE TO 4" BASED ON PDF CONVERSION

Revision Schedule

Date	Issued by	Number
06/02/2024	TRC	A
06/17/2024	MGE	B

DATE: 01/24/2024

DRAWN BY: MGE

APPROVED BY:

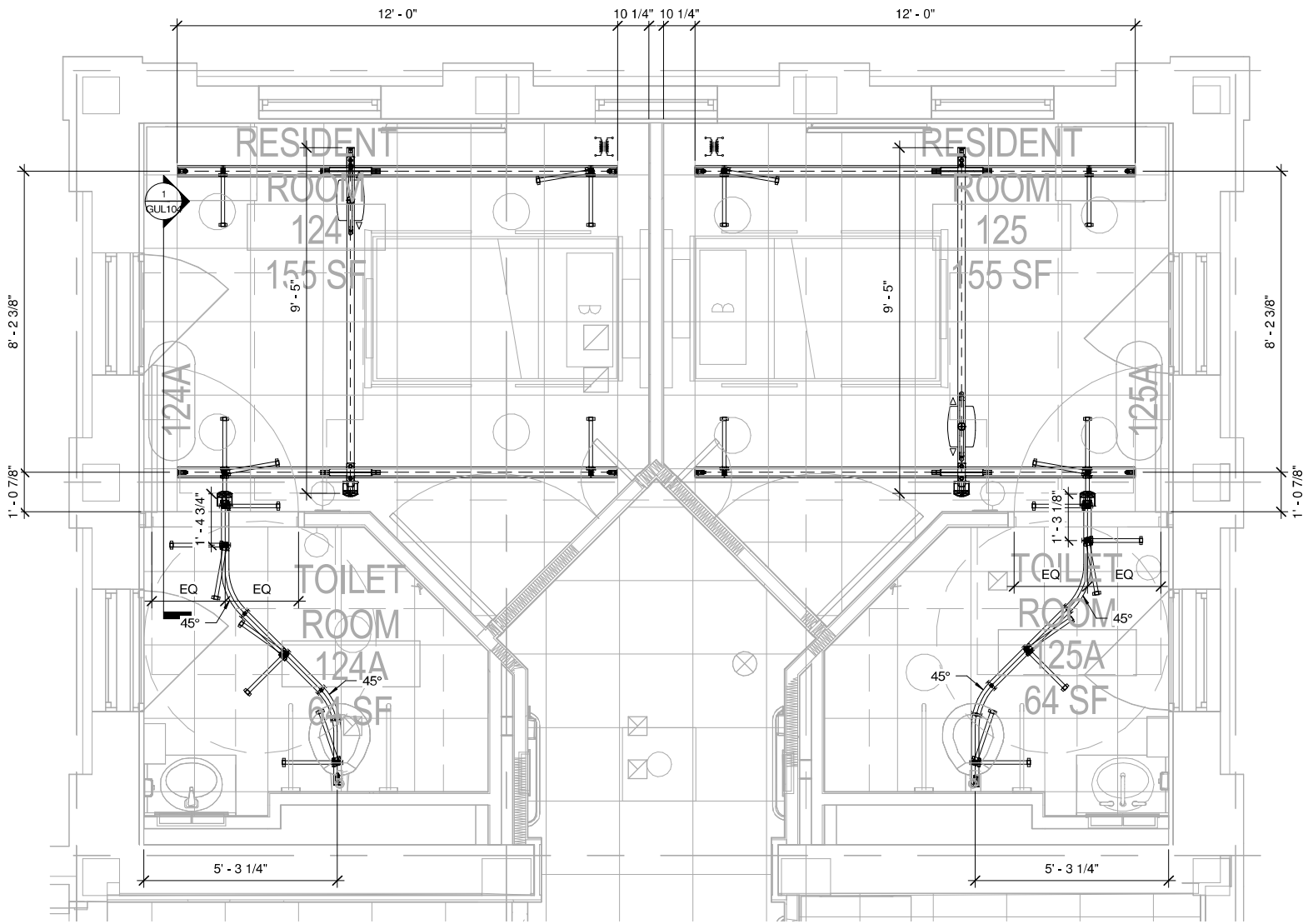
PROJECT NAME: St. Cloud VA Bldg. 51 L1 East

SHEET DESCRIPTION: RM 117

SHEET NO: GUL106

VERIFY SIZE AND LOCATION IN FIELD.

SEE *3/GUL102* FOR RAIL SPANS & ADDITIONAL DIMENSIONS



1 RM 124 & 125
1/2" = 1'-0"

PROJECT ID:103896

Guldmann Inc.
14401 McCormick Drive
Tampa FL, 33626 Unit A
Toll Free: 1(800)-664-5834
Fax: 1(813)-882-9558
Email: Info@Guldmann.net

NOTES

1. HOIST = 770 LBS
2. FLUSHED RECESSED / TYPE - P
3. CEILING HEIGHT = 8' - 0"
   AFF TO DECK = 11' - 11"
4. ATTACHMENT TYPE =
   CONCRETE BEAM
   SPAN = 2' - 0"

KEY

- Hoist Transformer
- Ceiling bracket, Extended
- Stabilizers
- B rail
- Hoist

ACCURATE TO 4" BASED ON PDF CONVERSION

Revision Schedule

Date	Issued by	Number
06/02/2024	TRC	A

DATE: 01/24/2024

DRAWN BY: MGE

APPROVED BY:

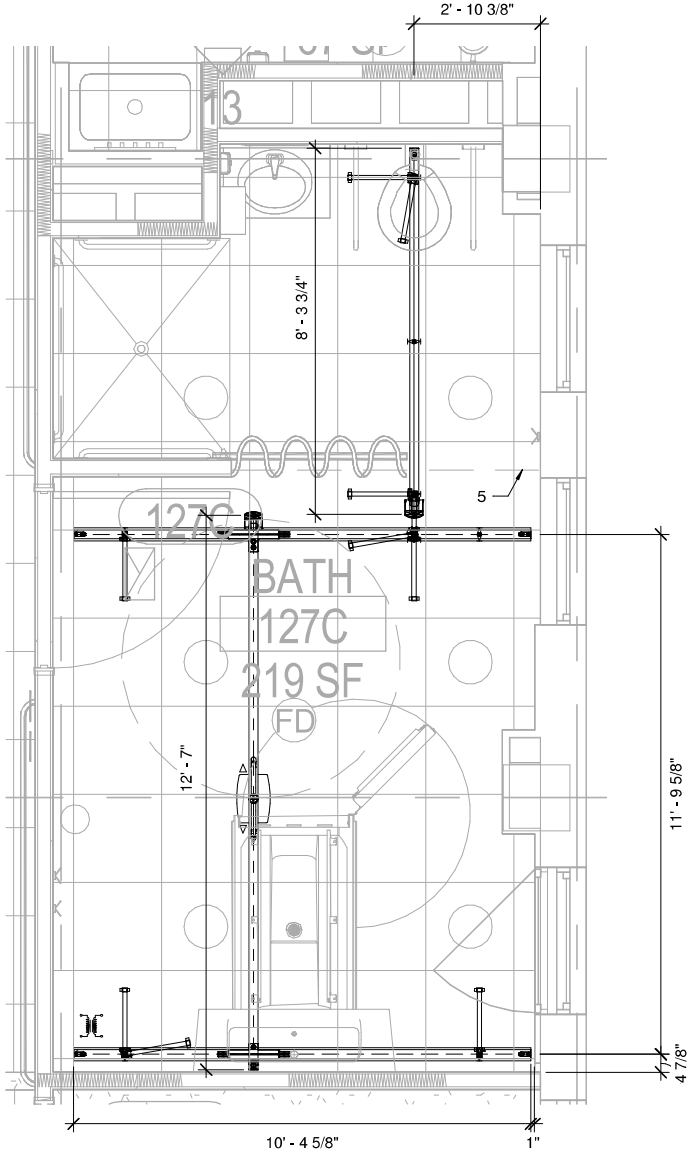
PROJECT NAME: St. Cloud VA Bldg. 51 L1 East

SHEET DESCRIPTION: RM 124 & 125

SHEET NO: GUL107

VERIFY SIZE AND LOCATION IN FIELD.

SEE *3/GUL102* FOR RAIL SPANS & ADDITIONAL DIMENSIONS



1 RM 127
1/2" = 1'-0"

PROJECT ID:103896

Guldmann Inc.
14401 McCormick Drive
Tampa FL, 33626 Unit A
Toll Free: 1(800)-664-8834
Fax: 1(813)-882-9558
Email: Info@Guldmann.net

NOTES

1. HOIST = 770 LBS
2. FLUSHED RECESSED / TYPE - P
3. CEILING HEIGHT =
   AFF TO DECK = UNKNOWN
4. ATTACHMENT TYPE = UNKNOWN
   CONCRETE BEAM
   SPAN = 2' - 0"
5. CURTAIN TO BE SPLIT OR
   WALLMOUNTED SWING AWAY

KEY

- Hoist Transformer
- Ceiling bracket, Extended
- Stabilizers
- B rail
- Hoist

ACCURATE TO 4" BASED ON PDF CONVERSION

Revision Schedule

Date	Issued by	Number
06/02/2024	TRC	A
06/17/2024	MGE	B

DATE: 01/24/2024

DRAWN BY: MGE

APPROVED BY:

PROJECT NAME: St. Cloud VA Bldg. 51 L1 East

SHEET DESCRIPTION: RM 127

SHEET NO: GUL108