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# Addendum No. 2

**DATE:** September 11, 2025

**PROJECT:** Vivie Nelson Care Center Renovation, Alexandria, MN

**BID DATE:** Thursday, September 25, 2025 @ 2:00pm (No Change)

The following items modify or interpret the Bidding Documents by additions, deletions, clarifications or corrections. Where portions of the Bidding Documents are modified by this Addendum, the unaltered portions of the Bidding Documents shall remain in effect.

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## CLARIFICATIONS:

- Included is the remainder of addendum #2 from Wold.

**Innovative's web site plan download instructions:**
Go to www.innovativecompaniesinc.com. Click on the words "plan room" in the upper right hand portion of the page. Enter **"vivie@innovative.com"** as the user name and "**In2plans**" as the password, and then click on login. Next, the window will update showing the file directory, just click on the file to enter the directory. Once in the directory, click in the box to the left of the files you wish to download, and then click on the Red download button on the right hand side. After a brief period (depending on your internet speed), another window will open asking if you want to open, save or save as (this may vary depending on your web browser type and version). Please save or save as to your local computer. The website will be updated as addendums become available.

**END OF ADDENDUM NO. 2**

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**To:** Prospective Bidders

**From:** Wold Architects and Engineers

**Date:** September 11, 2025

**Comm. No:** 246040

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**Subject:** Addendum No. 2 for Bidding Documents for the
**Vivie**
**Nelson Care Center Renovation**
**Alexandria, Minnesota**

**BIDS DUE SEPTEMBER 25, 2025 AT 2:00 P.M.**

This addendum forms a part of the Contract Documents dated August 29, 2025. Acknowledge receipt of this Addendum on the space provided on the Bid Form. Failure to do so may result in disqualification of Bid.

This Addendum consists of eight (8) typed sheets and attachments:
Specifications: 08 31 00, 09 51 00, 27 51 16
Drawings: A1.001a, A1.001b, A1.001c, A2.00a, A2.00b, A2.00c, A2.095, A2.901, A3.00a, A3.00b, A3.00c, A4.00a, A4.00b, A4.00c, A4.101, A4.102, A4.103, A4.701, A4.710, A4.711, A5.101, A5.102, A5.202, A5.601, M0.000, M3.02a, M3.02b, M3.02c, M4.02a, M4.02b, M4.02c, M6.00, M6.01, M6.02, M7.01, M9.00, M9.05, E0.00, E0.002, E0.003, E0.011a, E0.011b, E0.011c, E1.001a, E1.001b, E1.001c, E2.001a, E2.001b, E2.001c, E3.001, E3.001a, E3.001b, E3.001c, E3.002, E4.01, E5.01, E6.01, E6.10, E6.11, E6.12, E6.13, E7.01, E7.04, E7.05, E7.06, E7.07

**PROJECT MANUAL**

1. **SPECIFICATION SECTION 08 31 00 ACCESS PANELS**
   A. Reissued this addendum
2. **SPECIFICATION SECTION 09 51 00 ACOUSTICAL CEILINGS**
   A. Reissued this addendum
3. **SPECIFICATION SECTION 27 51 16 PUBLIC ADDRESS SYSTEM**
   A. Reissued this addendum.

The following schedule amends designated specification sections to list additional acceptable manufacturers. Use of any product by any of these manufacturers will be permitted only if after review of shop drawings or detailed product data per Section 01 30 00, Architect

determines that proposed materials or equipment are equivalent in performance, construction and appearance to product(s) specified.

Where anticipated product substitutions would alter the design or space requirements indicated on the Drawings, pay for cost of design and construction revisions including the cost of associated work by other contractors.

For complete requirements, see Specification Section 01 25 00 – Substitution Procedures.

| Section No. | Item | Type | Acceptable Manufacturer |
|---|---|---|---|
| 09 51 00 | 2.03 B.2.i | ACT 2 | USG |
| 09 54 23 | 2.01 A.1 | ACT 3 & 5 | USG Ceilings Plus Planx Universal |

**DRAWINGS**

1. **DRAWING A1.00a – FIRST FLOOR DEMOLITION PLAN – AREA A**
   - A. **Reissued this addendum.**
     - i. Demolition of existing floor access panels and new opening in exterior wall as indicated.
2. **DRAWING A1.00b – FIRST FLOOR DEMOLITION PLAN – AREA B**
   - A. **Reissued this addendum.**
     - i. Demolition scope shown in Clean Utility, Med room, Solid Utility, and Office.
     - ii. Additional windows noted for demolition.
3. **DRAWING A1.00c – FIRST FLOOR DEMOLITION PLAN – AREA C**
   - A. **Reissued this addendum.**
     - i. Demolition scope shown in Clean Utility.
4. **DRAWING A2.00a – FIRST FLOOR PLAN – AREA A – SHORT STAY**
   - A. **Reissued this addendum.**
     - i. New floor access panels as indicated.
     - ii. New louver as indicated.
     - iii. Revised Electrical and Data rooms A121 and A124 as indicated.
     - iv. Revised door A121 as indicated.
     - v. Removed door and room A124.
5. **DRAWING A2.00b – FIRST FLOOR PLAN – AREA B – MAPLES**
   - A. **Reissued this addendum.**
     - i. Revised window types W6 to W3 as indicated.
     - ii. Added window tags for W1 windows as indicated.
     - iii. Scope revised in Clean Utility B134, Med room B137, Solid Utility B131, and Office B137.
6. **DRAWING A2.00c – FIRST FLOOR PLAN – AREA C – PINES**
   - A. **Reissued this addendum.**
     - i. Revised window and louver types at Mech C143 and Storage C145 as indicated.
     - ii. Revised window types at Nursing Office C127 as indicated.

iii. Revised Double Resident Room C134 as indicated.
iv. Added door C134B as indicated.
v. Revised Elec Panel C136 to Linen C136
vi. Revised door C136 as indicated.
vii. Added scope in Clean Utility C122.

7. **DRAWING A2.095 – ROOF PLAN**
   A. **Reissued this addendum.**
      i. Clarifications to locations of existing mechanical and skylights as indicated.
8. **DRAWING A2.901 – DOOR/ FRAME/ WINDOW TYPES AND DETAILS**
   A. **Reissued this addendum.**
      i. Clarifications to operable panels and sizes of window types as indicated.
      ii. Added louver type L3.
9. **DRAWING A3.00a – FIRST FLOOR REFLECTED CEILING PLAN – AREA A**
   A. **Reissued this addendum.**
      i. Clarifications to ceilings at Data A121 and Mech A123.
10. **DRAWING A3.00b – FIRST FLOOR REFLECTED CEILING PLAN – AREA B**
    A. **Reissued this addendum.**
       i. Revised ceiling at Toilet B152B from ACT 4 to ACT 1.
       ii. New ceilings in Clean Utility B134, Med room B137, Solid Utility B131, and Office B137.
11. **DRAWING A3.00b – FIRST FLOOR REFLECTED CEILING PLAN – AREA C**
    A. **Reissued this addendum.**
       i. Revised ceiling at Staff Toilet C117 from ACT 4 to ACT 1.
       ii. Revised ceilings at Mech C143 and Storage C145 as indicated.
       iii. Revised ceilings at Double Resident Room C143 and Linen C136 as indicated.
12. **DRAWING A4.00a – FIRST FLOOR FINISH PLAN – AREA A & MATERIAL ID**
    A. **Reissued this addendum.**
       i. Clarifications to Material Finish / Color Schedule as indicated.
13. **DRAWING A4.00b – FIRST FLOOR FINISH PLAN – AREA B**
    A. **Reissued this addendum.**
       i. Revised finishes at Soiled Utility B131, Clean Utility B134, Office B136, Meds B137 as indicated.
14. **DRAWING A4.00c – FIRST FLOOR FINISH PLAN – AREA C**
    A. **Reissued this addendum.**
       i. Revised finishes at Double Resident Room C143 and Linen C136 as indicated.
15. **DRAWING A4.101 – ENLARGED PLAN & INTERIOR ELEVATIONS**
    A. **Reissued this addendum.**
       i. Revised dimension as indicated.
16. **DRAWING A4.102 – ENLARGED PLAN & INTERIOR ELEVATIONS**
    A. **Reissued this addendum.**
       i. Added callouts and elevations for Double Resident Room as indicated.
17. **DRAWING A4.103 – ENLARGED PLAN & INTERIOR ELEVATIONS**

A. **Reissued this addendum.**
   i. Added elevations.
   ii. Added grommet notes to elevations as indicated.
   iii. Scope revised in Clean Utility C122.

18. **DRAWING A4.701 – DETAILS – INTERIOR WALL TYPES**
   A. **Reissued this addendum.**
      i. Revised wall types WA and WX as indicated.
19. **DRAWING A4.710 – DETAILS – INTERIOR**
   A. **Reissued this addendum.**
      i. Revised F5 / A4.710 as indicated.
20. **DRAWING A4.711 – DETAILS – INTERIOR**
   A. **Reissued this addendum.**
      i. Revised F1 / A4.711 as indicated.
21. **DRAWING A5.101 – EXTERIOR ELEVATIONS**
   A. **Reissued this addendum.**
      i. Clarifications to window and louver types as indicated
      ii. Clarifications to siding scope as indicated
22. **DRAWING A5.102 – EXTERIOR ELEVATIONS**
   A. **Reissued this addendum.**
      i. Clarifications to window and louver types as indicated
      ii. Clarifications to siding scope as indicated
23. **DRAWING A5.202 – EXTERIOR CANOPY**
   A. **Reissued this addendum.**
      i. Dimensions revised as shown.
24. **DRAWING A5.601 – DETAILS – EXTERIOR OPENINGS**
   A. **Reissued this addendum**
      i. Clarifications to window sills and metal framed skylight glazing location.
25. **DRAWING M0.00 - MECHANICAL TITLE SHEET**
   A. **Reissued this addendum**
      i. Updated sheet list with 2 new Roof plan sheets.
26. **DRAWING M3.02a - MAIN LEVEL HYDRONIC AND BAS PLAN - AREA 'A'**
   A. **Reissued this addendum**
      **i.** Revised hydronic piping sizing and added drops to duct coils and CUHs**.**
27. **DRAWING M3.02b - MAIN LEVEL HYDRONIC AND BAS PLAN - AREA 'B'**
   A. **Reissued this addendum**
      i. Revised finned tube piping layout, control valve locations, and updated overall hydronic sizing.
28. **DRAWING M3.02c - MAIN LEVEL HYDRONIC AND BAS PLAN - AREA 'C'**
   A. **Reissued this addendum**
      i. Revised finned tube piping layout, control valve locations, and updated overall hydronic sizing.
29. **DRAWING M4.02a - MAIN LEVEL HVAC PLAN - AREA 'A'**

A. **Reissued this addendum**
   i. Duct coils connected to FCU ductwork. Refrigerant leak detection and exhaust added to mechanical rooms.

30. **DRAWING M4.02b - MAIN LEVEL HVAC PLAN - AREA 'B'**
    A. **Reissued this addendum**
       i. Duct coils connected to FCU ductwork. Adjusted ductwork and added ventilation to Care Suite Living B152.
31. **DRAWING M4.02c - MAIN LEVEL HVAC PLAN - AREA 'C'**
    A. **Reissued this addendum**
       i. Duct coils connected to FCU ductwork. Ductwork around Mechanical room adjusted as mechanical room layout adjusted. Ventilation to Double Resident room C134 adjusted as walls were adjusted in that room.
32. **DRAWING M6.00 - ROOF PLAN - AREA 'A'**
    A. **Reissued this addendum**
       i. Roof plan adjusted to show only area 'A' at 1/8" = 1'0" scale. Roof plan tags and ductwork cleaned up.
33. **DRAWING M6.01 - ROOF PLAN - AREA 'B'**
    A. **Issued this addendum**
       i. New sheet added to show only area 'B' at 1/8" = 1'0" scale. Roof plan tags and ductwork cleaned up.
34. **DRAWING M6.02 - ROOF PLAN - AREA 'C'**
    A. **Issued this addendum**
       i. New sheet added to show only area 'C' at 1/8" = 1'0" scale. Roof plan tags and ductwork cleaned up.
35. **DRAWING M7.01 - MECHANICAL ROOM NEW WORK PLANS**
    A. **Reissued this addendum**
       i. Overall mechanical room layouts adjusted to better fit equipment.
       ii. Refrigerant lines added and tagged to DOAS DX coils.
       iii. Exhaust and leak detection added to short stay existing mechanical room.
       iv. Intake louvers added and tagged on plans.
36. **DRAWING M9.00 - MECHANICAL SCHEDULES**
    A. **Reissued this addendum**
       i. Exhaust fan schedule updated with new fans. Duct coil schedule updated with control valve type.
37. **DRAWING M9.05 - MECHANICAL SCHEDULES**
    A. **Reissued this addendum**
       i. FCU schedule updated with removal of FCUs 3-28 and 3-30.
38. **DRAWING E0.00 - ELECTRICAL SYMBOLS AND ABBREVIATIONS**
    A. **Reissued this addendum**
       i. Added duress and lockdown button symbols.
39. **DRAWING E0.002 - ELECTRICAL SITE PLAN**
    A. **Reissued this addendum**

i. Alternate #7 electrical scope

40. **DRAWING E0.003 - OVERALL PLAN**
    A. **Reissued this addendum**
        i. Added panel ELB11
41. **DRAWING E0.011a - ELECTRICAL DEMOLITION PLAN - AREA 'A'**
    A. **Reissued this addendum**
        i. Clarification of electrical demolition.
        ii. Demolition of existing electrical fin tube and condensing units.
42. **DRAWING E0.011b - ELECTRICAL DEMOLITION PLAN - AREA 'B'**
    A. **Reissued this addendum**
        i. Clarification of electrical demolition.
        ii. Demolition of existing electrical fin tube and condensing units.
43. **DRAWING E0.011c - ELECTRICAL DEMOLITION PLAN - AREA 'C'**
    A. **Reissued this addendum**
        i. Clarification of electrical demolition.
        ii. Demolition of existing electrical fin tube and condensing units.
44. **DRAWING E1.001a - LIGHTING PLAN - AREA 'A'**
    A. **Reissued this addendum**
        i. Additional lighting scope.
45. **DRAWING E1.001b - LIGHTING PLAN - AREA 'B'**
    A. **Reissued this addendum**
        i. Additional lighting scope.
46. **DRAWING E1.001c - LIGHTING PLAN - AREA 'C'**
    A. **Reissued this addendum**
        i. Additional lighting scope.
47. **DRAWING E2.001a - POWER & FA PLAN - AREA 'A'**
    A. **Reissued this addendum**
        i. Circuiting.
        ii. Additional scope.
48. **DRAWING E2.001b - POWER & FA PLAN- AREA 'B'**
    A. **Reissued this addendum**
        i. Circuiting.
        ii. Additional scope.
49. **DRAWING E2.001c - POWER & FA PLAN- AREA 'C'**
    A. **Reissued this addendum**
        i. Circuiting.
        ii. Additional scope.
50. **DRAWING E3.001 – SYSTEMS PLAN – ADMIN BLDG**
    A. **Reissued this addendum**
        i. Revied scope as shown.
51. **DRAWING E3.001a – SYSTEMS PLAN – AREA 'A'**
    A. **Reissued this addendum**

i. Revied scope as shown.

**52. DRAWING E3.001b – SYSTEMS PLAN – AREA 'B'**

A. **Reissued this addendum**

i. Revied scope as shown.

**53. DRAWING E3.001c – SYSTEMS PLAN – AREA 'C'**

A. **Reissued this addendum**

i. Revied scope as shown.

**54. DRAWING E3.002 – SYSTEMS PLAN – PA SPEAKER & ZONING LAYOUT**

A. **Reissued this addendum**

i. Revied scope as shown.

**55. DRAWING E4.01 - ENLARGED PLANS – ELECTRICAL**

A. **Reissued this addendum**

i. Addition of new plans for Care Suite and double room.

**56. DRAWING E5.01 - REMODELED ONELINE DIAGRAM**

A. **Reissued this addendum**

i. Clarification for feeding Area C panels from DP-EQA01.

ii. Added panel ELB11

**57. DRAWING E6.01 - LUMINAIRE SCHEDUELS**

A. **Reissued this addendum**

i. Additional of approved equals.

ii. Added lighting scope.

**58. DRAWING E6.10 - PANEL SCHEDULES**

A. **Reissued this addendum**

i. Completion of circuiting

ii. Added panel ELB11

**59. DRAWING E6.11 - PANEL SCHEDULES**

A. **Reissued this addendum**

i. Completion of circuiting

ii. Added panel ELB11

**60. DRAWING E6.12 - PANEL SCHEDULES**

A. **Reissued this addendum**

i. Completion of circuiting

ii. Added panel ELB11

**61. DRAWING E6.13 - PANEL SCHEDULES**

A. **Reissued this addendum**

i. Completion of circuiting

**ii.** Added panel ELB11

**62. DRAWING E7.01 – ELECTRICAL DETAILS**

A. **Reissued this addendum**

i. Revied detail B3.

**63. DRAWING E7.04 – ELECTRICAL DETAILS – SYSTEMS**

A. **Reissued this addendum**

i. Revied details as shown.

**64. DRAWING E7.05 – ELECTRICAL DETAILS – SYSTEMS**

A. **Reissued this addendum**

i. Revied detail F4.

**65. DRAWING E7.05 – ELECTRICAL DETAILS – SYSTEMS**

A. **Reissued this addendum**

i. Revied detail E2.

**66. DRAWING E7.07 – ELECTRICAL DETAILS – SYSTEMS**

A. **Reissued this addendum**

i. Revied detail F2.

**END OF ADDENDUM #2**

**SECTION 08 31 00**
**ACCESS PANELS**

## PART 1 GENERAL

### 1.01 SECTION INCLUDES

A. Wall and ceiling mounted access panel.
B. Fire rating of access panels as indicated on the Code Plan(s).
C. Provide and install one (1) additional access panel for each type over quantities shown on the drawings.

### 1.02 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
B. Product Data: Provide sizes, types, finishes, hardware, scheduled locations, and details of adjoining work.

### 1.03 PRODUCT DELIVERY, STORAGE AND HANDLING

A. Package, handle, deliver and store at the job site in a manner that will avoid damage/rusting.

## PART 2 PRODUCTS

### 2.01 MANUFACTURERS

A. Any manufacturer who meets the requirements of the specification is acceptable.

### 2.02 ACCESS DOORS AND PANELS ASSEMBLIES

A. Wall/Ceiling-Mounted Panels for use in new drywall partitions and/or ceilings noted as AP #1 on drawings:
   1. Location: As indicated on drawings.
   2. Panel Material: Steel, hot-dipped zinc or zinc-aluminum-alloy coated.
   3. Size: 24 by 24 inches (609.6 by 609.6 mm).
   4. Door/Panel: Hinged, standard duty (14 gauge), with tool-operated spring and no handle.
   5. Frame: 16 gauge.
   6. Gypsum Board Mounting Criteria: Provide drywall bead frame with door surface flush with wall surface.
   7. Finish: Gray powdered primer.
   8. Fire Rating: As required for panels in rated walls or ceilings. See Code Plan on Architectural Drawings for required rating.

### 2.03 WALL- AND CEILING-MOUNTED ACCESS UNITS

A. Manufacturers:
   1. Activar Construction Products Group, Inc. - JL Industries: www.activarcpg.com/#sle.
   2. Or equal.

### 2.04 *FLOOR-MOUNTED ACCESS UNITS*

A. ***Interior Floor-Mounted Access Units: Aluminum, minimum 1/4 inch (6 mm) thick noted as AP #4 on drawings.***
   1. ***Design Load: Design to support live load of 300 psf (14 kPa) with deflection not to exceed 1/180 of span.***
   2. ***Operation: Manual opening with automatic hold open arm (locks cover in open position), and manual closing.***
   3. ***Frame: Extruded Aluminum Angle. Cast in for new construction and bolt in for renovation.***
   4. ***Cover: recessed to accommodate schedule floor finish with edge molding.***
   5. ***Lift Handle: Removable.***

## PART 3 EXECUTION

### 3.01 EXAMINATION

A. Verify that rough openings are correctly sized and located.

### 3.02 PREPARATION

A. Clean surfaces thoroughly prior to proceeding with this work.

### 3.03 INSTALLATION

A. Install units in accordance with manufacturer's instructions.
B. Install frames plumb and level in openings, and secure units rigidly in place.
C. Position units to provide convenient access to concealed equipment when necessary.

**END OF SECTION 08 31 00**

**SECTION 09 51 00**
**ACOUSTICAL CEILINGS**

## PART 1 GENERAL

### 1.01 SECTION INCLUDES

A. Suspended metal grid acoustical ceiling system.
   1. Lay-in Acoustical.

### 1.02 ADMINISTRATIVE REQUIREMENTS

A. Sequence work to ensure acoustical ceilings are not installed until building is enclosed, sufficient heat is provided, dust generating activities have terminated, and overhead work is completed, tested, and approved.
B. Do not install acoustical units until after interior wet work is dry.

### 1.03 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
B. Product Data: Provide data on suspension system components and acoustical units.
C. Samples: Submit two samples 5-1/2 by 5-1/2 inch (139.7 by 139.7 mm) in size illustrating material and finish of acoustical units.
D. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.
   1. Extra Acoustical Units: Quantity equal to 2 percent of total installed.

### 1.04 FIELD CONDITIONS

A. Maintain uniform temperature of minimum 60 degrees F (16 degrees C), and maximum humidity of 40 percent prior to, during, and after acoustical unit installation.

### 1.05 WARRANTY

A. Manufacturers standard 30 year warranty covering tile and grid systems which include:
   1. Red Rust Warranty
   2. Sag Warranty.
   3. Mold and Mildew Warranty

## PART 2 PRODUCTS

### 2.01 MANUFACTURERS

A. Acoustic Tiles/Panels:
   1. Armstrong World Industries, Inc: www.armstrongceilings.com.
   2. CertainTeed Corporation: www.certainteed.com.
   3. USG Corporation: www.usg.com/ceilings.
B. Suspension Systems:
   1. Armstrong World Industries, Inc: www.armstrongceilings.com.
   2. Rockfon/Chicago Metallic: www.rockfon.com.
   3. USG Corporation: www.usg.com/ceilings.
   4. CertainTeed Corporation[<>]: www.certainteed.com

### 2.02 PERFORMANCE REQUIREMENTS

A. Fire-Resistance Rating: Determined in accordance with test procedures in ASTM E119.

### 2.03 ACOUSTICAL UNITS

A. Acoustical Units - General: ASTM E1264, Class A.
   1. VOC Content: Certified as Low Emission.
B. Lay-In Panels
   1. ~~**ACT 1 - NOT USED**~~
   2. ***Acoustical Panels ACT 1: Painted mineral fiber, sag and abuse resistant, anti-microbial, low VOC with the following characteristics:***
      a. ***Classification: ASTM E1264 Type III.***
      b. ***Size: 24 by 24 inches (610 by 610 mm)***
      c. ***Fire Rating: Class A with Flame Spread Index of 25 or less and Smoke Developed Index of 50 or less when tested in accordance with ASTM 85.***
      d. ***Minimum NRC: 0.50, determined in accordance with ASTM E1264.***

e. ***Minimum Light Reflectance: 81 percent, determined in accordance with ASTM E1264.***
f. ***Minimum Ceiling Attenuation Class (CAC): 35, determined in accordance with ASTM E1264.***
g. ***Tile Edge: Angled Tegular.***
h. ***Color: White.***
i. ***Suspension System: Exposed grid.***
j. ***Products:***
1) ***Armstrong World Industries, Inc; Dune #1774: www.armstrongceilings.com.***
2) ***CertainTeed Corporation: www.certainteed.com.***
3) ***USG Corporation: www.usg.com/ceilings.***

3. Acoustical Panels ACT 2: Painted mineral fiber, sag and abuse resistant, anti-microbial, low VOC with the following characteristics:
a. Classification: ASTM E1264 Type III.
b. Size: 24 by 24 inches (610 by 610 mm).
c. Fire Rating: Class A with Flame Spread Index of 25 or less and Smoke Developed Index of 50 or less when tested in accordance with ASTM 85.
d. Minimum NRC: 0.60, determined in accordance with ASTM E1264.
e. Minimum Ceiling Attenuation Class (CAC): 40, determined in accordance with ASTM E1264.
f. Tile Edge: Square.
g. Color: White.
h. Suspension System: Exposed grid.
i. Products:
1) Basis of Design: ***Armstrong World Industries, Inc: Clean Room FL: www.armstrongceilings.com*** ~~**USG Corporation 86270 Mars Healthcare Acoustical Panels with Climaplus: www.usg.com/ceilings**~~.
2) ***USG Corporation: www.usg.com/ceilings*** ~~**Armstrong World Industries, Inc: www.armstrongceilings.com.**~~
3) CertainTeed Corporation: www.certainteed.com.

4. ACT 3 - By 09 54 23 - Linear Metal Ceilings
5. ~~**Acoustical Panels ACT 4: 2 mil (0.0508 mm) vinyl laminated to a gypsum core, sag resistant, USDA approved, low VOC with the following characteristics:**~~
a. ~~**Classification: ASTM E1264 Type XX.**~~
b. ~~**Size: 24 by 24 inches (610 by 610 mm).**~~
c. ~~**Thickness: 1/2 inches (12.7 mm).**~~
d. ~~**Fire Rating: Class A with Flame Spread Index of 5 or less and Smoke Developed Index of 0 when tested in accordance with ASTM 85.**~~
e. ~~**Minimum Ceiling Attenuation Class (CAC): 40, determined in accordance with ASTM E1264.**~~
f. ~~**Tile Edge: Square.**~~
g. ~~**Color: White.**~~
h. ~~**Suspension System: Exposed grid.**~~
i. ~~**Products:**~~
1) ~~**CertainTeed Corporation; Vinylrock 1140 CRF 1: www.certainteed.com.**~~
2) ~~**National Gypsum; Gridstone #Gold Bond Gridstone GB5045 (GB5044 for 24 inch by 24 inch): www.nationalgypsum.com**~~
3) ~~**USG Corporation; Sheetrock Brand Gypsum Lay-In, ClimaPlus, #3270: www.usg.com/ceilings.**~~

6. ACT 5 - By 09 54 23 - Linear Metal Ceilings

C. Furnish extra materials equal to 1%, but not less than one box, of each acoustical material supplied. Provide materials in new, unopened cartons, labeled as to contents.

## 2.04 SUSPENSION SYSTEM(S)

A. Metal Suspension Systems - General: Complying with ASTM C635/C635M; die cut and interlocking components, with perimeter moldings, hold down clips, stabilizer bars, clips, and splices as required.
   1. Materials:
      a. Steel Grid: ASTM A653/A653M, G30 coating, unless otherwise indicated.
      b. Aluminum Grid Cap: Aluminum sheet, ASTM B209/B209M.

B. Exposed Suspension System: HDG-30 steel, hot dipped galvanized body and cap.
   1. Application(s): Non-rated ceiling systems.
   2. Application(s): Fire-rated assemblies.
   3. Structural Classification: Intermediate-duty, when tested in accordance with ASTM C635/C635M.
   4. Profile: Tee; 15/16 inch (24 mm) face width.
   5. Finish: Baked enamel.
   6. Color: White.
   7. Non- Fire Rated Products:
      a. Armstrong World Industries, Inc; Prelude ML: www.armstrongceilings.com.
      b. Rockfon/Chicago Metallic; 250 Snap-Grid System: www.rockfon.com.
      c. USG Corporation; Donn Brand DX24 : www.usg.com/ceilings.
      d. Certainteed; EZ Stab Classic System: www.certainteed.com
      e. Certainteed; EZ Stab Classic System: www.certainteed.com.
   8. Fire Rated Products:
      a. Armstrong World Industries, Inc; Prelude XL: www.armstrongceilings.com.
      b. Rockfon/Chicago Metallic; 200 Snap-Grid System: www.rockfon.com.
      c. USG Corporation; Donn Brand DX24 : www.usg.com/ceilings.
      d. Certainteed; EZ Stab Classic System: www.certainteed.com.

## 2.05 ACCESSORIES

A. Support Channels and Hangers: Galvanized steel; size and type to suit application, seismic requirements, and ceiling system flatness requirement specified.

B. Hanger Wire: 12 gauge, 0.08 inch (2 mm) galvanized steel wire.

C. Perimeter Moldings: Same metal and finish as grid.
   1. Size: As required for installation conditions and specified Seismic Design Category.
   2. Angle Molding: L-shaped, for mounting at same elevation as face of grid.

D. Touch-up Paint: Type and color to match acoustical and grid units.

# PART 3 EXECUTION

## 3.01 EXAMINATION

A. Verify existing conditions before starting work.

B. Verify that layout of hangers will not interfere with other work.

## 3.02 PREPARATION

A. Install after major above-ceiling work is complete.

B. Coordinate the location of hangers with other work.

## 3.03 INSTALLATION - SUSPENSION SYSTEM

A. Install suspension system in accordance with ASTM C636/C636M, ASTM E580/E580M, and manufacturer's instructions and as supplemented in this section.

B. Rigidly secure system, including integral mechanical and electrical components, for maximum deflection of 1:360.

C. Locate system on room axis according to Reflected Ceiling Plan.

D. Perimeter Molding: Install at intersection of ceiling and vertical surfaces and at junctions with other interruptions.
   1. Use longest practical lengths.

E. Suspension System: Hang suspension system independent of walls, columns, ducts, pipes and conduit. Where carrying members are spliced, avoid visible displacement of face plane of adjacent members.
F. Where ducts or other equipment prevent the regular spacing of hangers, reinforce the nearest affected hangers and related carrying channels to span the extra distance.
G. Do not support components on main runners or cross runners if weight causes total dead load to exceed deflection capability.
H. Support fixture loads using supplementary hangers located within 6 inches (152 mm) of each corner, or support components independently.
I. Do not eccentrically load system or induce rotation of runners.
J. Install light fixture boxes constructed of rated acoustical panel above light fixtures in accordance with fire rated assembly requirements and light fixture ventilation requirements.

**3.04 INSTALLATION - ACOUSTICAL UNITS**

A. Install acoustical units in accordance with manufacturer's instructions.
B. Fit acoustical units in place, free from damaged edges or other defects detrimental to appearance and function.
C. Fit border trim neatly against abutting surfaces.
D. Install acoustical units level, in uniform plane, and free from twist, warp, and dents.
E. Cutting Acoustical Units:
    1. Make field cut edges of same profile as factory edges.
F. Where round obstructions occur, provide preformed closures to match perimeter molding.

**3.05 TOLERANCES**

A. Maximum Variation from Flat and Level Surface: 1/8 inch in 10 feet (3 mm in 3 m).
B. Maximum Variation from Plumb of Grid Members Caused by Eccentric Loads: 2 degrees.

**END OF SECTION 09 51 00**

**SECTION 27 51 16**
**PUBLIC ADDRESS SYSTEM**

## PART 1 GENERAL

### 1.01 SUMMARY

A. Introduction:
   1. This Section includes the furnishing and installation of all labor, materials, tools, appliances, hardware, junction boxes, and ancillary equipment for and incidental to the delivery, installation, and furnishing of a completely operational Public Address system as shown, required, and specified herein. The omission of express reference to any items or work necessary for, or reasonably incidental to, a complete installation shall not be construed as releasing the Contractor from providing such items or work.

B. Scope and Intent:
   1. Renovation at the Nelson Care Center by Vivie. Project scope includes, but is not limited to, establishing new PA system in phases, demolition of existing PA system and associated cabling and speakers, Refer to specification sections and drawings for additional information. The system shall be an IP zoned paging system. Integration to other systems shall be as described within this document. Include management software and processing equipment, audio distribution equipment, cabling, and loudspeakers to accommodate a full functioning PA system for the entire Nelson Care Center facility.

C. The Public Address system shall have key functions as follows. Refer to entire specification section for additional information:
   1. The system shall interface with the building telephone system. Coordinate installation of SIP (teams) and IP telephone interface with the Owner or Owner's assigned representative for the required network lines or other interface and required programming.
   2. The system shall integrate with the Access Control System & Fire panel for the broadcast of custom pre-recorded emergency messaging and releasing fire door holds. Coordinate with the security / fire alarm contractor for the required interface, connections, and programming. Lock down and duress interface is also required.
   3. Voice paging to all loudspeakers, specific loudspeakers or specific speaker zones via telephone and PC workstations station.
   4. Emergency one-way voice paging to all interior and exterior speakers. Emergency paging shall override all local controls and sound systems.
   5. Distribution of custom pre-recorded messages upon activation from the building security systems via a programmable digital message repeater.
   6. The system shall integrate with any owner specified schedules.
   7. All zone cabling shall be neatly terminated within a wall mounted enclosure. All IP components will be install in the rack.
   8. Speaker types include but are not limited to:
      a. Ceiling mounted
   9. Master paging station located in the front office as well as each nursing station. Contractor will install and program software and Map style interface at each PC's to accommodate efficient easy paging.

D. Section Includes:
   1. Microprocessor based Public Address system
   2. Power amplifiers
   3. Digital Signal Processors
   4. Equipment cabinet
   5. Telephone paging adapters IP or SIP (teams)
   6. Digital message repeater
   7. Loudspeakers
   8. Input/Output panels

9. Conductors and cables
10. Raceways

**1.02 RELATED DOCUMENTS**

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

B. Related Sections include the following:
1. 27 05 00 Common Work Results for Communications
2. 27 11 00 Communications Equip Room Fittings
3. 27 13 00 Communications Backbone Cabling
4. 27 15 00 Communications Horizontal Cabling
5. Division 26

**1.03 DEFINITIONS**

A. Channels: Separate parallel signal paths, from sources to loudspeakers or loudspeaker zones, with separate amplification and switching that permit selection between paths for speaker alternative program signals.

B. VU: Volume unit.

C. Zone: Separate group of loudspeakers and associated supply wiring that may be arranged for selective switching between different channels.

**1.04 REFERENCES**

A. Standards:
1. EIA Compliance: Comply with the following Electronics Industries Association Standards:
a. Sound Systems, EIA-160.
b. Loudspeaker, Dynamic Magnetic Structures, and Impedance, EIA-299-A.
c. Racks, Panels, and Associated Equipment, EIA-310-A.
d. Speakers for Sound Equipment, SE-103.
e. Microphones for Sound Equipment, SE-105.
2. NFPA 70, “National Electrical Code”
3. FCC Part 15- Unlicensed RF Devices
4. Audio Engineering Society (AES)
5. Institute of Electrical and Electronics engineers, Inc. (IEEE)
6. National Institute of Standards and Technology (NIST).
7. Underwriters Laboratories (UL) listed.

B. Codes:
1. Comply with the applicable building code, local ordinances and regulations, and regulations and requirements of the authority having jurisdiction.
2. Components and installation shall comply with NFPA 70, “National Electrical Code.”

**1.05 INSPECTION OF SITE**

A. Refer to section 27 05 00 Common Work Results for Communications for more information

B. Pre-Installation Meeting:
1. Arrange for pre-construction meetings to coordinate installation of public address intercom systems with Owner’s representative including but not limited to, Director of Facilities, Director of IT, and administrative staff. The Architect’s Technology Designer shall be included in these meetings.
2. Furnish attendees at the meetings with a diagram of the sound system installation.
3. Meeting shall include review of entire installation, including locations of equipment, layout of equipment in spaces, features, functions, capabilities, and integrations.
4. Review phasing of systems through the duration of the project.
5. Take attendance and minutes and submit with the close out documents.

C. Construction Meetings:
1. Attend construction meetings for coordination with other disciplines and trades.

## 1.06 COORDINATION

A. Electrical:
   1. Conduct onsite meetings at each building to verify the exact location for each device rough-in that has been provided.
   2. Verify proper power requirements have been provided for equipment installations.

B. Communications:
   1. Coordinate with network and other low voltage communications installers.

C. Owner:
   1. Coordinate with IT department to determine IP addresses and network port assignments where applicable.
   2. Coordinate with appropriate Owner personnel in the IT department and Facilities department to identify programming parameters.
   3. Coordinate with Architect to verify programming of custom pre-recorded messages follow egress plan and codes.

D. Other Trades:
   1. Coordinate layout and installation of system components and suspension system with other construction that penetrates ceilings or is supported by them, including light fixtures, HVAC equipment, fire-suppression system, and partition assemblies.

## 1.07 SITE CONDITIONS

A. The new public address system headend shall be located in the HR IT closet with each IP Amps located in the closest data closet to that zone . Coordinate pathway requirements with the other relevant trades.

B. Verify the mounting method and locations for loudspeakers

## 1.08 SUBMITTALS

A. General: Submit the following in accordance with the Conditions of the Contract and Division 1 Specification Sections.

B. Shop drawings and documents:
   1. Shop Drawings shall be submitted for approval for all components prior to commencing installation.
   2. Refer to specification section 01 for additional information on form and content of submittals.
   3. Provide a complete materials list, listing quantity, manufacturer, model number and description of the system components listed below
   4. Provide a manufacturer's specification sheet for all system components that comprise the public address system.
   5. Include plans, elevations, sections, details, and attachments for supports and seismic restraints for control consoles, equipment cabinets and racks, and components.
   6. Detail equipment assemblies and indicate dimensions, weights, required clearances, method of field assembly, components, and location and size of each field connection.
   7. Console layouts.
   8. Control panels.
   9. Rack arrangements.
   10. Loudspeaker layouts to include loudspeaker locations and transformer wattage tap calculations.
   11. Power/Time calculations: For sizing backup battery.
   12. Wiring Diagrams: For power, signal, and control wiring.
      a. Identify terminals to facilitate installation, operation, and maintenance.
      b. Single-line diagram showing interconnection of components.
      c. Cabling diagram showing cable routing.
   13. Provide system block diagrams.
      a. Component layouts
   14. Provide samples of any or all proposed system components requested for examination/approval.
   15. Provide a sample of labeling scheme and method.

16. Provide qualification documents as described in the quality assurance section. These are to include, but are not limited to:
    a. Manufacturer certification credentials of staff assigned to project for installation or equivalent certification
17. Low voltage licensure credentials of staff assigned to project for installation.
18. Programming Approvals: Submit electronic copy of the Programming Plans. These shall be reviewed with the Technology Designer and the Owner.

C. As-built drawings and documents:
1. As-Built Documents shall be submitted for approval for all components listed below. Refer to specification section 01 for additional information on format and content of as-built submittals. Include the following documents:
    a. As-Built Drawings showing locations of all devices and cable routing on complete floor plans of 1/8" scale. Devices shall be indicated by their final label identifier. Handwritten data is not acceptable.
    b. Equipment layouts
    c. Labeling schemes and schedules
        1) Electronic copy of labeling schedules in software and format selected by Owner
        2) Electronic copy of labeling schedules that are part of the cabling an asset identification system of the software
    d. Equipment installation details
    e. Operation and Maintenance manuals
    f. Manufacturer's required maintenance related to system warranty requirements
    g. Test Results
    h. Record of Warranty
    i. Product Data: For each type of product indicated.
2. Coordination Drawings: Reflected ceiling plans, drawn to scale, on which ceiling-mounted items including lighting fixtures, diffusers, grilles, speakers, sprinklers, access panels, and special moldings are shown and coordinated with each other, using input from installers of the items involved.
    a. Qualification Data: For qualified Installer.
    b. Field quality-control reports.
    c. Operation and Maintenance Data: For public address system to include in emergency, operation, maintenance and warranty data manuals.

**1.09 QUALITY ASSURANCE**

A. Manufacturer Qualifications:
1. Engage firms experienced and regularly engaged in manufacture of sound system, components and accessories, of types, capacities and characteristics required, whose products have been in satisfactory use in similar service for not less than 5 years.

B. Product Qualifications:
1. Provide materials listed by UL or ETL.

C. Installer Qualifications:
1. Contractor shall meet the requirements listed below. Submit requested documents with shop drawings to verify compliance with contractor requirements.
2. Minimum of 5 years of experience in the installation of the Bogen Nyquist 4000 or 7000 series product.
3. Minimum of two installers that are Factory certified at the highest level offered by the manufacturer to program, install, and service the systems provided.
4. Place of business that locally maintains the necessary spare parts in the proper proportion to this project, as recommended by the manufacturer, to maintain and service the equipment being supplied.
5. Licensed in the state of Minnesota for all services provided.
6. Shall be an authorized dealer.

7. Provide upon request, the following information:
    a. Number of local technicians trained to provide installations meeting the product manufacturer's requirements.
    b. Length of time every technician has been employed in the PA/sound system and related installation business.
    c. Length of time every technician has been employed by the Company.

**1.10 DELIVERY, STORAGE, AND HANDLING**

A. Deliver products in factory containers. Store in clean, dry space in original containers. Protect products from fumes and construction traffic. Handle carefully to avoid damage.

B. Open each container, verify contents against packing list, and file copy of packing list, complete with container identification for inclusion in operation and maintenance data.

C. Test components upon receipt of Project site.

**1.11 PROTECTION**

A. Until final acceptance of work, Contractor shall protect all materials and equipment from damage.
    1. Any components stored or installed on-site shall be protected with a minimum polyethylene or equivalent covering to protect from moisture, plaster, cement, paint, or other work of other trades.
    2. If during shipment or installation, finish or equipment becomes chipped or scratched, Contractor shall touch up or refinish surfaces to match original finish, or replace if necessary.

B. Contractor is responsible to protect Owner’s furnishings from damage due to their activities in occupied spaces and to clean up any debris created as a result of their work.

**1.12 PROJECT CONDITIONS**

A. Environmental Limitations: Do not deliver or install cables and connecting materials until wet work in spaces is complete and dry and temporary HVAC system is operating and maintaining ambient temperature and humidity conditions at occupancy levels during the remainder of the construction period.

B. Verify that ground connections are in place and requirements in Division 26 Section "Grounding and Bonding for Electrical Systems" have been met.

**1.13 WARRANTY**

A. Manufacturer’s warranties that extend beyond the requirements of Division 01 shall be maintained and transferred to the Owner.

B. Maintain a sufficient parts inventory during the warranty period to meet the anticipated system repair times.

C. Prior to the expiration of warranty, system integrator shall provide all software patches available from software supplier. Upon completion of installation, test affected systems to confirm operation. Software patches shall be installed at time convenient to Owner

**PART 2 PRODUCTS**

**2.01 GENERAL INFORMATION:**

A. The products listed below establish the design intent and minimum installation requirements. Approved contractors are required to have expertise in the configuration and installation of these products. Contractor shall provide all product software, components, and cabling required for delivery of a complete and fully functional public address system. Use equipment complying with manufacturers’ standard design and construction in accordance with published product information, and as required for complete installation.

B. All equipment and materials shall be new and bear a recognized testing laboratory’s label, where applicable.

**2.02 BUILDING PAGING SYSTEM**

A. ~~**Manufacturers:**~~

B. Manufacturers: Subject to compliance with requirements, provide products of the following:

a. Bogen - Nyquist C4000 solution:

| | | |
|---|---|---|
| 1 | ~~**NQ-C4000-B2**~~ ***NQ-C40000-B3*** | Nyquist C4000 Series System Software License - Bundle-2 (9 Zones / 10 CCLs / 3-Yrs S/W Updates) |
| 1 | NQ-C4000QPL | Nyquist C4000 Series System Software - Queued Paging / Page Stacking License (Per Queue) |
| 1 | NQ-C4000PBXI | PBX Integration Services |
| 1 | NQ-C4000TTS | C4000 System Software License - Text-To-Speech License (Per System) |
| 1 | NQ-C4000MBP | C4000 System Software License - Map Based Paging License (Per System) |
| 1 | NQ-C4000API | C4000 Series System Software - Routines Api (Per System) |
| 1 | ~~**NQ-C4SWUP3YRB2**~~ ***NQ-C4SWUP3YRB3*** | 3-Year Extended System Software Updates - Bundle-2 (Includes bug fixes & standard features in new releases) |
| 1 | NQ-SYSCTRL | Nyquist System Controller. |
| ~~**5**~~ ***9*** | NQ-A2060-G2 | Nyquist 2-Ch. X 60w 1u Audio Power Amp Gen2 |
| ~~**5**~~ ***9*** | NQ-RMK03 | Nyquist 1U/2U Rack Mount Kit Type-3 (Single MMPA, SYSCTRL, A2xxx, or A4xxx) |
| ~~**1**~~ ***2*** | NQ-RMK01 | Nyquist 1U Rack Mount Kit Type-1 (MMPA-I/O Controller, SYSCTRL) |
| 1 | NQ-T1100 | VoIP Admin Phone |
| 1 | NQ-E7010 | Nyquist I/O Controller |
| See drawing | HFCS1LP | Reentrant Horn Loudspeakers |
| See drawing | CK10 | 10FT Safety wire |
| See drawing | TBCR | Tile Bridge Support Ring |
| ***See drawing*** | *A2TBLK* | *Speaker, All-Weather, Model A2 W/Transformer, Black* |

C. ***Contractor responsible for any additional products and quantities for a fully functioning system per design intent and layouts.***

D. System Performance Requirements

1. Add to the existing system to provide a complete microprocessor based public address system.
2. System shall be a fully distributed system allowing the Owner to address the entire building.
3. The system shall have ability to announce pre-recorded messages upon notification from security systems.
4. In the event of a power failure, the system shall switch over to the building backup UPS and maintain full functionality at all locations.
5. Selectively control sound from system software or telephone system.
6. Telephone paging adapter shall allow paging by dialing an extension from any local telephone instrument and speaking into the telephone.
7. Produce a program-signal tone that is amplified and sounded over all speakers, overriding signals currently being distributed.
8. Reproduce high-quality sound that is free of noise and distortion at all loudspeakers at all times during equipment operation including standby mode with inputs off; output free of non-uniform coverage of amplified sound.
9. Administrative capabilities shall be customizable to three levels, based on user access credentials.

10. Corridor speakers, and outside horns shall be on separate circuits. A maximum of (12) speakers shall be connected on (1) circuit. Each corridor shall be a separate circuit. Outdoor speakers shall be on separate circuit(s).
11. Provide zone capabilities for corridors, exterior, wings, and all call. See drawing for additional information.
12. System must support a visual console software application that allows for the operation of the Paging System from multiple Windows based PC. This software package shall utilize an easy-to-use graphical user interface (GUI), allow routine call processing from nurses stations, quick graphical access to paging, and program distribution. Software application shall also allow easy activation of schedules. Emergency operations shall be simplified through this software application by allowing stored audio files, alphanumeric message displays to be activated from the GUI. GUI shall allow common operations such as daily announcements to become automated with the use of the visual console, removing multi-step console set ups. While all operations are conducted from the PC screen, the administrative console or telephone handset shall provide the means for originating voice communications to selected locations.
13. System must provide interface to the telephone system. Interface shall allow the following minimum features, including but not limited to.
    a. Paging into each speaker circuit or zone
    b. Automatic message activation
    c. Activation of tones.
14. Software must allow the creation of a custom operating screen based on the floor plans of the facility. Icons representing and paging, monitoring, and audio program zones shall be incorporated onto the floor plans.
15. Software GUI shall provide:
    a. Simple Routine Call Processing
    b. Emergency Functions
    c. Paging
    d. Program Distribution
    e. Enabling and Disabling of Schedules
    f. Customizable Page Elements
    g. Customizable Operating Screen
    h. Element Library for Emergency Event Icons
16. Visual console must provide an efficient and reliable method of notifying the occupants of a facility of critical situations. A variety of emergency tone signals that reside within the Paging System shall be activated by clicking on pre-programmed buttons on the PC GUI screen, initiating the transmission of tone signals to speakers and/or alphanumeric messages to electronic message displays
17. It shall be complete with circuitry for accomplishing all functions for signaling and communications to all stations, page zones, and administrative control consoles. Unit shall contain all required electronics on modular, plug-in type boards for ease of service, and future expansion.
18. All programmable functions shall be stored in a non-volatile EEPROM memory and shall not be lost in event of a power failure.
19. Programming functions shall be accomplished through the use of a standard Internet web-browser interface. Any PC connected to the facilities network and provided with the proper authorization shall have multi-level access to system programming. Any off-site PC shall have multi-level access to the system through the use of the public internet, provided they have been granted proper authorization.
20. Paging system shall be connected to a care center provided Ethernet network port using the TCP/IP protocol for PC programming, performing diagnostics, or logging transactions either on or off-site.
21. System shall support remote programming and support through a wide area network connection.
22. Programming interface shall support configurations for multiple sites and allow the user, after logon, to select which site to program from a list of all sites.

23. User interface shall support usernames and passwords using Active Directory. There shall be multiple levels of access allowed. User level of authorization shall be determined by the Owner and programmed by the Contractor.
24. Program shall also serve as part of the documentation process. Page zones and schedules shall support user-definable names and display as pick lists when editing the configuration.
25. Diagnostic functions shall be accomplished through any PC connected to the Nelson Care Center network and provided with the proper authorization and diagnostic software. Any off-site PC shall have access to the system for diagnostics through the use of the public internet, provided that they have been granted proper authorization and have been provided diagnostic software.
26. Although the PA system is programmed through a PC interface, the system shall not have to rely upon a personal computer for day-to-day operation. All programming information is loaded into the paging system allowing independent operation of the system.
27. The final copy of the program and the configuration of data files shall be provided to the Nelson Care Center in electronic format.
28. Audio channel(s) shall be priority driven allowing for the highest priority signal type access to a voice channel. System shall be user programmable to allocate, upon demand, either of the channel(s) to facilitate simultaneous pages, program distributions, or combination thereof.
29. Work with owner to identify if any pre-announce tones will alert of incoming calls with distinct tones for each priority level.
30. Provide automatic gain control on paging speech to ensure constant speech level.
31. System will provide emergencies and All Call paging
32. Distribution of paging announcements can be made from any administrative control console, telephone.
33. Emergency announcements shall have the highest priority over any other system function.
34. System shall support general announcements made from a conventional microphone to facilitate reading a script and the participation of multiple announcers.
35. Announcements shall automatically mute all other audio programs at a lower priority in the system and transmit the audio to all rooms or specific speaker zones, as programmed into the system software.
36. System must have the capability of distributing audio program sources from any administrative control console, telephone system phone. Program distribution shall be accomplished on an all-rooms basis, selected rooms basis or an individual room.
37. Inputs shall be provided from at least 3 different line level sources and 5 different low impedance sources. Available inputs include microphones, tuners, tape players, or auxiliary sources.
38. Program source(s) can be located remotely from the central electronics so that the customer does not have to go to the communications closet to select the program.
39. Control console shall be able to selectively monitor program sources being distributed.
40. Central control unit shall provide a 0 dB signal for connections to an external amplifier for distribution of program audio, time signals, and paging announcements.
41. System shall provide capability for multiple open voice paths used for paging, program distribution, or emergency paging (minimum of 2). These paths shall be global, non-blocking circuitry. Systems offering multiple-speech paths, which are restricted to a single speech path per group of room stations or circuit card, due to hardware constraints, will not be accepted.
    a. Ability to produce different tone signals for emergency signals selected from a combination of over 1,500 tones. System shall be programmed for tones, such as but not limited to:
        1) Pre-Announce Tone
        2) Severe weather and other pre-recorded announcements
    b. Duration of the tone, as well as frequency, burst length and output level shall be software programmable from the console or a web browser.

c. System shall support running all time schedules concurrently.
1) Durations in seconds: 2, 3.5, 5, 6, 8, 10, or 12
2) Frequency
3) Duration
4) Level
5) Burst

42. System shall provide the ability to have music on allowing any source to be distributed to specific program zones.
43. Transformer tap on each speaker shall be specifically adjusted to operate at a minimum of 10 decibels above normal ambient sound level in the space.
44. In the event of a power failure, the system shall switch over to UPS power and maintain full functionality at all locations.
45. Administrative capabilities shall be customizable to a minimum of three levels, based on user access credentials.
46. Shall be 19" rack mountable.

E. Audio media player
1. Provide an audio player for music that can be played through the paging system during programmed times that the owner would like.
2. 19" rack provided as part of 27 11 00
3. AM/FM tuner
4. Support removeable USB thumb and HDDs, SD/SDHC cards
5. Plays CD, MP3, WAV and ACC files
6. Bluetooth capable
7. 3.5" stereo audio input jack.
8. Unbalanced combi audio output
9. Approved manufacture: Denon DN-300Z

F. Equipment Cabinet
1. Provide wall mounted equipment cabinet appropriately sized to house consolidated speaker wiring and terminal strips. All IP related equipment shall be 19" rack mounted. Rack provided as part of 27 11 00.
2. Comply with TIA/EIA-310-D.
3. The equipment cabinet will be permanently mounted AFF.

G. Digital Message Repeater
1. Digital message repeater shall provide pre-recorded emergency messages to the public address system.

H. Amplifiers
1. Power amplifiers shall be sized for a load calculation based on 1 watt per speaker, 2 watts per corridor speaker. Amplifier load shall not exceed 75 percent capacity. Provide quantity of amplifiers as required for each zone.
2. Amplifiers shall be capable of producing an audio output of 60-, 125-, or 250-watts RMS at less than 1 percent distortion with a balanced output.
3. They shall be designed to operate on a line voltage of 70volts. One amplifier shall be provided for each audio channel/zone.

I. Ceiling mounted speakers
1. High fidelity speakers:
a. Surface-Ceiling-Wall-Mounting Units:
b. Minimum Axial Sensitivity: 89 dB at one meter, with 1-W input.
c. Frequency Response: Within plus or minus -10 dB from 78 to 19,000 Hz.
d. Matching Transformer: Full power rated with four taps. Maximum insertion loss of 0.5 dB.
e. Tap for 70 volts.

f. Surface-Mounting Units:
1) Ceiling as indicated
2) In steel back boxes, acoustically dampened.
3) Recessed volume control, accessible from front of speaker
4) Size: 12-5/16” dia inches with low profile depth 6-34”.
5) Approved manufacturers:
(a) Bogen
(b) Part #: HFCS1LP
6) Provide tile bridge support rings and cable kits.

J. Conductors and Cables
1. Plenum Cable: Listed and labeled for plenum installation.
2. Jacketed, twisted pair and twisted multipair, untinned solid copper.
3. All cabling for the Paging system shall be Yellow in color. 18/2 shielded minimum.

K. Raceways
1. Coordinate with the Electrical Contractor.
2. Conduit and Boxes: Comply with Division 26 Section "Raceway and Boxes for Electrical Systems." Flexible metal conduit shall not be used.
a. Outlet boxes shall be not less than 2 inches (50.8 mm) wide, 3 inches (76.2 mm) high, and 2-1/2 inches (64 mm) deep.

**PART 3 EXECUTION**

**3.01 GENERAL INSTALLATION:**

A. Common work for communication systems shall be installed in a neat and workmanlike manner. The NEIS Standard Practices for Good Workmanship in Electrical Contracting NECA 1-2006 and ANSI/NECA/BICSI 568-2006, Standard for Installing Commercial Building Telecommunications Cabling latest edition is hereby adopted to define such workmanship and the installation of communications cabling.

**3.02 EXAMINATION:**

A. Examine areas and conditions under which public address system components are to be installed for compliance with requirements and other conditions affecting the performance of the public address systems work.

B. Examine pathway elements intended for cables. Check raceways, cable trays, and other elements for compliance with space allocations, installation tolerances, hazards to cable installation, and other conditions affecting installation. Verify actual locations of conduit and back boxes before device installation.

C. Examine ceiling spaces to assure proper clearance for loudspeaker components. Check for HVAC ductwork, piping, cable trays, and other obstacles that may interfere with loudspeaker backbox installation.

D. Proceed with installation only after unsatisfactory conditions have been corrected.

**3.03 PREPARATION:**

A. Prepare project planning documents for review and approval.
1. Complete system diagnostics and operation verification.
2. Prepare a specific plan for system testing, startup, and demonstration.
3. Develop acceptance test concept and, on approval, develop specifics of the test.
4. Develop cable and asset management system details; input data from construction documents. Include system schematics and Visio Technical Drawings.

B. In meetings with Architect and Owner, present Project planning documents and review, adjust, and prepare final setup documents. Use final documents to set up system parameters,

**3.04 WIRING METHODS**

A. Wiring Method: Install cables in raceways and cable trays except within consoles, cabinets, desks, and counters, and except in accessible ceiling spaces and in gypsum board partitions where unenclosed wiring method may be used. Conceal raceway and cables except in unfinished spaces.
1. Install plenum cable in environmental air spaces, including plenum ceilings.

2. Comply with requirements for raceways and boxes specified in Division 26 Section "Raceway and Boxes for Electrical Systems."

B. Wiring within Enclosures: Bundle, lace, and train cables to terminal points with no excess and without exceeding manufacturer's limitations on bending radii. Provide and use lacing bars and distribution spools.

**3.05 INSTALLATION OF RACEWAYS**

A. Comply with requirements in Division 26 Section "Raceway and Boxes for Electrical Systems" for installation of conduits and wireways

B. Install manufactured conduit sweeps and long-radius elbows whenever possible.

**3.06 INSTALLATION OF CABLES**

A. Comply with NECA 1.

B. General Cable Installation Requirements:

1. Terminate conductors; no cable shall contain unterminated elements. Make terminations only at outlets and terminals.
2. Splices, Taps, and Terminations: Arrange on numbered terminal strips in junction, pull, and outlet boxes; terminal cabinets; and equipment enclosures. Cables may not be spliced.
3. Secure and support cables at intervals not exceeding 30 inches (762 mm) and not more than 6 inches (152.4 mm) from cabinets, boxes, fittings, outlets, racks, frames, and terminals.
4. Bundle, lace, and train conductors to terminal points without exceeding manufacturer's limitations on bending radii. Install lacing bars and distribution spools.
5. Do not install bruised, kinked, scored, deformed, or abraded cable. Do not splice cable between termination, tap, or junction points. Remove and discard cable if damaged during installation and replace it with new cable.
6. Cold-Weather Installation: Bring cable to room temperature before dereeling. Heat lamps shall not be used.

C. Open-Cable Installation:

1. Install cabling with horizontal and vertical cable guides in telecommunications spaces with terminating hardware and interconnection equipment.
2. Suspend speaker cable not in a wireway or pathway a minimum of 8 inches (203.2 mm) above ceiling by cable supports not more than 60 inches (1524 mm) apart.
3. Cable shall not be run through structural members or be in contact with pipes, ducts, or other potentially damaging items.
4. PA Cabling shall not be combined with other system cabling.

D. Separation of Wires: Separate speaker-microphone, line-level, speaker-level, and power wiring runs. Install in separate raceways or, where exposed or in same enclosure, separate conductors at least 12 inches (304.8 mm) apart for speaker microphones and adjacent parallel power and telephone wiring. Separate other intercommunication equipment conductors as recommended by equipment manufacturer.

1. Cabling shall not be combined with other system cabling.

**3.07 INSTALLATION**

A. Match input and output impedances and signal levels at signal interfaces. Provide matching networks where required.

B. Identification of Conductors and Cables: Color-code conductors and apply wire and cable marking tape to designate wires and cables so they identify media in coordination with system wiring diagrams.

C. Equipment Cabinets and Racks:

1. Group items of same function together, either vertically or side by side, and arrange controls symmetrically. Mount monitor panel above the amplifiers.
2. Arrange all inputs, outputs, interconnections, and test points so they are accessible at rear of rack for maintenance and testing, with each item removable from rack without disturbing other items or connections.
3. Blank Panels: Cover empty space in equipment racks so entire front of rack is occupied by panels.

D. Volume Limiter/Compressor: Equip each zone with a volume limiter/compressor. Install in central equipment cabinet. Arrange to provide a constant input to power amplifiers.
E. Wall-Mounted Outlets: Flush mounted.
F. Floor-Mounted Outlets: Conceal in floor and install cable nozzles through outlet covers. Secure outlet covers in place. Trim with carpet in carpeted areas.
G. Conductor Sizing: Unless otherwise indicated, size speaker circuit conductors from racks to loudspeaker outlets not smaller than No. 18 AWG shielded.
H. Weatherproof Equipment: For units that are mounted outdoors, in damp locations, or where exposed to weather, install consistent with requirements of weatherproof rating.
I. Speaker-Line Matching Transformer Connections: Make initial connections using tap settings indicated on Drawings
J. Connect wiring according to Division 26 Section "Low-Voltage Electrical Power Conductors and Cables."
K. Wiring Method: Install cables in raceways and cable trays except within consoles, cabinets, desks, and counters, and except in accessible ceiling spaces and in gypsum board partitions where unenclosed wiring method may be used. Conceal raceway and cables except in unfinished spaces.
    1. Install plenum cable in environmental air spaces, including plenum ceilings.
    2. Comply with requirements for raceways and boxes specified in Division 26 Section "Raceway and Boxes for Electrical Systems."
L. Cables shall be independently supported by cable supports/loops.
    1. All wire and cables shall be supported at least every 4-5 feet (152.4 cm) from the structure or as required to maintain no more than 12” sag between supports and without over-tensioning the cables.
M. Wiring within Enclosures: Bundle, lace, and train cables to terminal points with no excess and without exceeding manufacturer's limitations on bending radii. Provide and use lacing bars and distribution spools.

**3.08 PROGRAMMING**

A. Provide necessary programming.

**3.09 FIRESTOPPING**

A. Contractor shall be responsible for firestopping all wall and floor/ceiling penetrations and pass-throughs designated for technology use. Firestopping method shall meet or exceed the minimum rating of wall, ceiling or floor penetrated.
B. Comply with requirements in Division 07 Section "Penetration Firestopping."
C. Comply with ANSI/TIA-569-D, Annex A, "Firestopping."
D. Comply with BICSI TDMM, Chapter 7: Firestop Systems.

**3.10 CAULKING**

A. The Contractor shall be responsible for caulking wall and floor/ceiling penetrations that are not through fire rated barriers. The caulking shall provide acoustical separation by applying a sound barrier to the penetration.

**3.11 GROUNDING AND BONDING**

A. Comply with requirements in Division 26 Section "Grounding and Bonding for Electrical Systems" for grounding conductors and connectors and Division 27 as indicated herein.
B. Comply with ANSI/TIA-607-C, Generic Telecommunications Bonding and Grounding (Earthing) for Customer Premises.
C. Ground all equipment per manufacturer’s recommendations, BICSI TDMM and ANSI/TIA guidelines, NEC codes, and all other applicable code and regulations.
D. Bond all non-current carrying metallic equipment to the grounding bus bar. Equipment grounding conductor to be no smaller than No. 6 AWG.
E. Comply with IEEE 1100, "Power and Grounding Sensitive Electronic Equipment."
F. Ground cable shields, drain conductors, and equipment to eliminate shock hazard and to minimize ground loops, common-mode returns, noise pickup, cross talk, and other impairments. Ground per NEC and as recommended by manufacturer’s written instructions.

G. Ground cable shields and equipment to eliminate shock hazard and to minimize ground loops, common-mode returns, noise pickup, cross talk, and other impairments.
H. Signal Ground Terminal: Locate at main equipment cabinet. Isolate from power system and equipment grounding

**3.12 IDENTIFICATION**

A. Develop Cable Administration Drawings for system identification, testing, and management. Use unique, alphanumeric designation for each cable, and label cable and jacks, connectors, and terminals to which it connects with same designation. Use logical and systematic designations for facility's architectural arrangement. Where category 6 cables are used for IP devices, follow Owner's standard for labeling. Adhere to ANSI/TIA-606-B standards.
B. Label each terminal strip and screw terminal in each cabinet, rack, or panel.
   1. All wiring conductors connected to terminal strips shall be individually numbered, and each cable or wiring group being extended from a panel or cabinet to a building-mounted device shall be identified with the name and number of the particular device as shown.
   2. Each wire connected to building-mounted devices is not required to be numbered at the device if the color of the wire is consistent with the associated wire connected and numbered within the panel or cabinet.
C. Labeling method shall be approved by the Owner and the Technology Designer before implementing.

**3.13 FIELD QUALITY CONTROL**

A. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect, test, and adjust components, assemblies, and equipment installations, including connections.
B. Perform the following tests and inspections:
   1. Schedule tests with at least seven days' advance notice of test performance.
C. After installing public address and mass notification systems and after electrical circuitry has been energized, test for compliance with requirements.
D. Operational Test: Perform tests that include originating program and page messages at microphone outlets, preamplifier program inputs, and other inputs. Verify proper routing and volume levels and that system is free of noise and distortion.
E. Power Output Test: Measure electrical power output of each power amplifier at normal gain settings of 50, 1000, and 12,000 Hz. Maximum variation in power output at these frequencies must not exceed plus or minus 1 dB.
F. Signal Ground Test: Measure and report ground resistance at pubic address equipment signal ground. Comply with testing requirements specified in Division 26 Section "Grounding and Bonding for Electrical Systems."
G. Inspection: Verify that units and controls are properly labeled and interconnecting wires and terminals are identified. Prepare a list of final tap settings of paging speaker-line matching transformers
H. Public address system will be considered defective if they do not pass tests and inspections.
I. Prepare test and inspection reports.
   1. Include a record of final speaker-line matching transformer-tap settings, and signal ground-resistance measurement certified by Installer.

**3.14 TESTING**

A. All system functions shall be tested for proper performance. All test results shall be documented for inclusion in the As-Built Documents.
B. Contractor shall provide complete system programming and control software in coordination with the Owner and Architect. The programming shall be done by a person that has received factory training in the programming of the installed system. Any programming not coordinated with the Owner that does not meet the Owner's wishes, shall be corrected a no charge to the Owner.

C. Prepare test and inspection reports.
   1. Contractor shall perform final acceptance testing in the presence of Architect's representative and Owner's representative, executing a point by point inspection against a documented test plan that demonstrates compliance with system requirements as designed and specified.
   2. Acceptance by Architect's representative or Owner's representative is contingent upon successful completion of check-off; if check-off is not completed due to additional work required, re-schedule and perform complete check-off until complete in one pass, unless portions of system can be verified as not adversely affected by additional work.
   3. System shall not be considered accepted until all acceptance test items have been successfully checked off. Beneficial use of part or all of the system shall not be considered as acceptance.
   4. Include a record of final speaker-line matching transformer-tap settings, and signal ground-resistance measurement certified by Installer.
   5. Provide report indicating every speaker was tested, audible, and intelligible. Items indicated on this sheet shall include but not be limited to:
      a. Room number
      b. Speaker was set to provide a sound level of 10dB above the ambient sound level of the space in which it is installed
      c. Speaker is audible
      d. Speaker is intelligible
      e. Emergency notifications audible with volume set to 0
      f. Date of test
      g. Initials of contractor performing test

D. Adjusting
   1. Engage a factory-authorized service representative to provide on-site assistance in adjusting sound levels, resetting transformer taps, and adjusting controls to meet occupancy conditions.
   2. Occupancy Adjustments: When requested within 12 months of date of Substantial Completion, provide on-site assistance in adjusting system to suit actual occupied conditions. Provide up to two visits to Project during other-than-normal occupancy hours for this purpose.

**3.15 CLEANING**

A. Upon completion of installation, clear all construction related debris and blockages, and remove paint splatters and other spots, dirt, and dust. Touch up scratches and mars of finish to match original finish.
B. Provide final cleaning, protection, and maintain conditions in a manner acceptable to the Technology Designer, the Owner, and the manufacturer, which ensures system being free from damage and deterioration at time of Substantial Completion.

**3.16 DEMONSTRATION**

A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain the public address systems and equipment.
B. Engage the services of a factory authorized service representative to provide integration services and to demonstrate and train Owner's maintenance personnel.
C. Training shall be in person. Webinars are not acceptable.
D. Owner shall designate personnel to be trained.
E. Provide on-site, in-service training in the operation of the system. The training may be divided into separate sessions as required by the Owner in 2-hour increments. This includes multiple trips to the site as required.
F. Provide hands-on training with operational equipment.
G. Provide printed training materials for each trainee. Instructional materials and content shall be customized for and relevant to this particular installation.
H. Training shall be oriented to the specific system being installed under this Contract as designed and specified.
I. Contractor shall have a sign-up sheet for each training session to keep a record of attendees, time, and date. Contractor shall provide a copy of this sign-up sheet to the Owner.

J. All training shall be coordinated through the Owner's Representative to ensure that all necessary personnel are in attendance at each training session.
K. Schedule training with at least 7 days of advance notice.
L. Develop separate training modules and provide printed training materials for each trainee for the following
    1. Owner's Operating Personnel:
        a. Train in the programming and operation of the new system installed or addition. Train Owner's maintenance personnel in the procedures and schedules involved in programming, operating, troubleshooting, servicing, and preventative maintenance of the system.
        b. Provide a minimum of 2 hours for the Building Paging System
        c. Provide contact information for technical support personnel.

**3.17 WARRANTY:**

A. The contractor shall guarantee the system including all components, parts, and assemblies, in its entirety to be free from mechanical and electrical defects for a period of at least three years (parts and labor), commencing upon date of acceptance by Owner. A qualified factory-trained service representative shall provide warranty service.
B. The contractor shall provide three years of software maintenance and upgrades.

**END OF SECTION 27 51 16**




**F1** FIRST FLOOR DEMO PLAN - AREA A
1/8" = 1'-0"

## DEMOLITION GENERAL NOTES

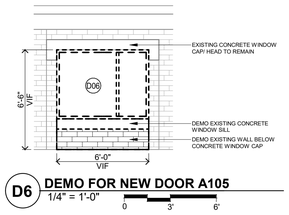
1. DEMOLITION NOTES APPLY TO ALL DRAWING SHEETS. DEMOLITION NOTES AND PLANS ARE PROVIDED AS A GUIDE ONLY. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND EXAMINE DRAWINGS AND DETAILS TO DETERMINE EXTENT AND LIMITS OF DEMOLITION REQUIRED TO ACCOMMODATE NEW CONSTRUCTION.
2. DEMOLITION KEY NOTES WITHOUT ARROWS INDICATE THAT THE NOTE APPLIES TO THE ENTIRE ROOM.
3. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL ASPECTS OF DEMOLITION. CONTRACTOR TO REVIEW ALL DRAWINGS FOR ADDITIONAL DETAILS AND CONSTRUCTION SEQUENCING NOTES. MECHANICAL AND ELECTRICAL DEMOLITIONS ARE SHOWN ON MECHANICAL AND ELECTRICAL DRAWINGS.
4. PROVIDE AND COORDINATE ALL DEMOLITION AND RECONSTRUCTION WITH NEW WORK PLAN DIMENSIONS AND INSTALLATION OF NEW MATERIALS AND FINISHES, AS REQUIRED, WHETHER INDICATED ON DRAWINGS OR NOT.
5. REFER TO MECHANICAL AND ELECTRICAL FOR ADDITIONAL DEMOLITION NOTES.
6. ALL RELATED WOOD BLOCKING SUPPORT STRUCTURE, HARDWARE CONNECTION DEVICES, ADHESIVES, AND/OR MASTIC SHALL BE REMOVED FROM SURFACES AT ITEMS NOTED FOR REMOVAL. PROVIDE SURFACES ACCEPTABLE FOR PATCHING AND/OR NEW WORK.
7. ALL PATCHING REQUIRED AT/OR ADJACENT TO DEMOLITION WILL BE THE RESPONSIBILITY OF THE G.C.
8. DASHED LINES INDICATE EXISTING TO BE REMOVED.
9. VERIFY EXISTING & PROPOSED CONDITIONS & DIMENSIONS.
10. REMOVE ALL EXISTING FINISHES, ADHESIVES OR OTHER MATERIALS THAT WILL CONFLICT WITH NEW FINISHES SCHEDULED IN EXISTING OR NEWLY REMODELED SPACES. REMOVE EXISTING FINISHES REQUIRED TO BE REMOVED ALONG WITH PARTITIONS, CEILINGS, BASES AND FLOORING ON WHICH THE FINISH ATTACHED.
11. REMOVE EXISTING PARTITIONS, DOORS, FRAMES, SOFFITS, MILLWORK, FIXTURES, ETC...ON THE DEMOLITION PLAN SHOWN WITH DASHED LINES. TURN ALL SALVAGEABLE ITEMS OVER TO THE OWNER.
12. REMOVE ALL OR ANY GENERAL, MECHANICAL AND ELECTRICAL MATERIAL NOT NECESSARILY SHOWN, BUT REQUIRED TO BE REMOVED TO COMPLETE WORK.
13. ALL CUTTING AND PATCHING REQUIRED FOR NEW MECHANICAL AND ELECTRICAL WORK IN EXISTING SPACES SHALL BE BY RESPECTIVE CONTRACTORS.
14. CONTRACTOR TO VERIFY WITH OWNER THAT HAZARDOUS MATERIAL SURVEY HAS BEEN COMPLETED FOR MATERIALS TO BE REMOVED/DISTURBED.
15. THE SCHEDULE OF EXISTING FINISHES IS INCLUDED FOR THE CONTRACTORS' BENEFIT ONLY. THE CONTRACTOR SHALL VERIFY ALL EXISTING FINISHES AND CONDITIONS BEFORE CONSTRUCTION BEGINS.
16. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK PHASING AND SEQUENCING WITH OWNER PRIOR TO START OF CONSTRUCTION.
17. ERECT DUST-PROOF PARTITIONS AS REQUIRED BY OWNER AND FIRE MARSHALL TO PROTECT ADJACENT AREA DURING CONSTRUCTION
18. MAINTAIN ALL REQUIRED EXITS AND MEANS OF EGRESS DURING CONSTRUCTION
19. PROTECT ALL MECHANICAL AND ELECTRICAL SERVICES AS REQUIRED TO REMAIN IN OPERATION
20. REMOVE CEILING TILES (AND GRID IF REQUIRED) IN EXISTING BUILDING TO REMAIN REQUIRED FOR MECHANICAL AND ELECTRICAL WORK. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR APPROXIMATE LOCATIONS. SAVE TILES (AND GRID) FOR REINSTALLATION WHEN COMPLETE.
21. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR SCOPE AND EXTENT OF MECHANICAL AND ELECTRICAL WORK
22. DURING THE DEMOLITION PROCESS THERE MAY BE INSTANCES WHERE THE REMOVAL OR ABANDONMENT OF A FIXTURE, DUCT, CONDUIT OR OTHER PIECE OF EQUIPMENT MAY LEAVE AN OPENING IN A REQUIRED FIRE RESISTANT ASSEMBLY. AS PART OF THE DEMOLITION AND REMODELING PROCESS A FIRE-RESISTIVE "MEMBER" OR "THOROUGH" PENETRATION (AND/OR OPEN JOINT) RESULTING FROM SUCH DEMOLITION WORK SHALL BE FIRESTOPPED OR SEALED IN ACCORDANCE WITH IBC CHAPTER 7 FOR THE NECESSARY RATING PROTECTIONS. PROVISIONS FOR REQUIRED FIRESTOP CONDITIONS SHALL BE INCLUDED AS PART OF THIS SECTION.
23. EXISTING BUILDING COMPONENTS TO REMAIN ARE DAMAGED DURING DEMOLITION SHALL BE PATCHED TO MATCH ADJACENT EXISTING MATERIAL/FINISHES.
24. COORDINATE WITH OWNER THE STORAGE OF EXISTING ITEMS TO BE RELOCATED
25. VERIFY EXISTING SPRINKLER SYSTEM WITH SPRINKLER CONTRACTOR PRIOR TO ANY DEMOLITION. SPRINKLER CONTRACTOR TO MODIFY AND MAINTAIN SYSTEM CODE REQUIREMENTS THROUGHOUT THE PROJECT
26. CONTRACTOR SHALL REMOVE/MODIFY EXISTING GYPSUM BOARD AND ACM CEILINGS AS NECESSARY FOR NEW CEILING LAYOUT AND MECHANICAL DUCTWORK. SEE CEILING PLAN FOR NEW CEILING LAYOUT.
27. CONTRACTOR SHALL REMOVE EXISTING OWNERS WALL MOUNTED ITEMS & NON-FIXED FURNITURE OR EQUIPMENT AND TURN OVER TO OWNER'S STOCK IN DEMOLITION AREAS .
28. CONTRACTOR SHALL REMOVE EXISTING GYPSUM BOARD FROM FLOOR TO STRUCTURE WHERE WALL CALLS FOR NEW GYPSUM BOARD.

## DEMOLITION LEGEND

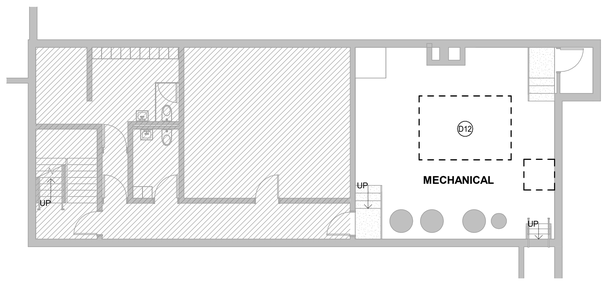
- WALL TO REMAIN
- WALL TO BE REMOVED
- DOOR TO REMAIN
- DOOR, FRAME, AND HARDWARE TO BE REMOVED UNLESS NOTED OTHERWISE
- DESIGNATED ITEM TO REMAIN
- DESIGNATED ITEM TO BE REMOVED
- NOT IN SCOPE OF WORK
- EXISTING THICKENED SLAB FOOTING
- APPROXIMATE EXTENTS OF SLAB CUTTING

## DEMOLITION PLAN KEY NOTES:

D01 REMOVE AND SALVAGE EXISTING HANDRAIL AND BRACKETS FOR REINSTALLATION IN AREA B. SEE FINISH PLAN.
D02 REMOVE EXISTING CASEWORK AND COUNTERTOP IN THEIR ENTIRETY. REFER TO MECHANICAL FOR REMOVAL AND/OR DISCONNECT OF PLUMBING FIXTURES AS OCCUR.
D03 REMOVE EXISTING PLUMBING FIXTURE, REFER TO MECHANICAL FOR REMOVAL AND/OR DISCONNECT OF PLUMBING FIXTURES.
D04 REMOVE EXISTING ACT CEILING ASSEMBLY AS OCCURS IN RESIDENT ROOM. GYP CEILING/ GYP ON UNDERSIDE OF STRUCTURE TO REMAIN. COORDINATE WITH RCPS.
D05 REMOVE EXISTING WALL FINISHES, FLOOR FINISHES, AND ADHESIVES AS REQUIRED FOR NEW FINISHES, SEE FINISH PLAN.
D06 REMOVE EXISTING WINDOW, FRAME, SILL, AND ASSOCIATED HARDWARE INCLUDING VALANCE AS OCCURS. EXISTING EXTERIOR CAST STONE SILL TO REMAIN.
D07 REMOVE EXISTING CEILINGS - GYP AND/ OR ACT CEILING ASSEMBLY - IN THEIR ENTIRETY, INCLUDING GRIDS, HANGERS, PERIMETER TRIM, ETC. COORDINATE REMOVAL OF LIGHT FIXTURES AND CEILING MOUNTED EQUIPMENT WITH MECHANICAL AND ELECTRICAL.
D08 REMOVE EXISTING FLOORING, BASE, AND ADHESIVES AS REQUIRED FOR NEW FLOORING, SEE FINISH PLAN.
D09 REMOVE EXISTING SOLARIUM WINDOW SYSTEMS. EXISTING BRICK KNEE WALLS BELOW TO REMAIN.
D10 EXISTING COLUMN/ STRUCTURAL SUPPORT TO REMAIN. FIELD VERIFY ALL LOCATIONS AND COORDINATE WITH ARCHITECT/ STRUCTURAL PLANS PRIOR TO DEMOLITION. PDFS OF THE ORIGINAL BUILDING DRAWINGS ARE AVAILABLE TO THE CONSTRUCTION TEAM UPON REQUEST.
D11 REMOVE EXISTING GYPSUM WALL BOARD/ PLASTER & LATH FROM EXISTING WALL, STUDS TO REMAIN. REMOVE ALL ASSOCIATED FASTNERS AND PREPARE STUDS FOR NEW WALL ASSEMBLY PER FLOOR PLANS.
D12 DEMO EXISTING CONCRETE HOUSEKEEPING PAD.
D13 ADD ALT #7 - REMOVE DOOR AND FRAME IN THEIR ENTIRETY. SALVAGECARD READERS AND ADA ACTUATORS FOR REINSTALLATION AS OCCURS.
D14 SAWCUT FLOOR AS REQUIRED FOR NEW SANITARY PIPING, STRUCTURAL FOOTING, ETC. HATCH SHOWS APPROXIMATE EXTENTS, COORDINATE WITH MECHANICAL AND/ OR STRUCTURAL.
D15 REMOVE EXISTING BRICK FLOORING. PREP FOR SLAB INFILL.
D16 REMOVE EXISTING WALL MOUNTED SCONCES, ASSOCIATED WIRE MOLDING, AND PICTURE RAILS AS OCCURS.
D17 REMOVE EXISTING HANDRAILS, BUMPERS, AND ALL ASSOCIATED HARDWARE.
D18 EXISTING SIGNAGE TO BE REMOVED AND SALVAGED FOR REINSTALLATION.
D19 ADD ALT #6 - REMOVE EXISTING BALLAST ROOFING, MEMBRANE, FASCIA, SCUPPERS, GUTTERS, AND DOWNSPOUTS. EXISTING INSULATION AND STRUCTURE TO REMAIN.
D20 REMOVE EXISTING EDPM ROOFING.
D21 REMOVE EXISTING ROOF STRUCTURE TO THE EXTENTS SHOWN. MODIFY STRUCTURE AS REQUIRED FOR NEW WORK, SEE STRUCTURAL. PROVIDE TEMPORARY SUPPORT FOR REMAINING PORTION OF CANOPY AS REQUIRED BEFORE THE INSTALLATION OF NEW SUPPORTS.
D22 REMOVE EXISTING ROOF "SPIRE", EXISTING ROOF BELOW TO REMAIN.
D23 REMOVE EXISTING BALLAST ROOFING AND UNDERLAYMENT, EXISTING INSULATION AND STRUCTURE TO REMAIN.
D24 REMOVE EXISTING ASPHALT SHINGLES, UNDERLAYMENT, ICE/WATER SHIELD, DOWNSPOUTS, GUTTERS, FASCIA, AND FLASHING. EXISTING STRUCTURE TO REMAIN.
D25 REMOVE ALL EXISTING LATH AND PLASTER CEILINGS IN RESIDENT ROOM, INCLUDING LATH AND PLASTER ON THE UNDERSIDE OF SLOPED STRUCTURE.
D26 REMOVE EXISTING FIRE EXTINGUISHER CABINET.

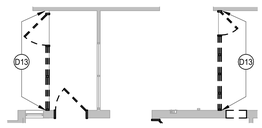



**D6** DEMO FOR NEW DOOR A105
1/4" = 1'-0"

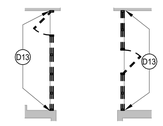



**E6** LOWER LEVEL DEMOLITION PLAN - AREA A
1/8" = 1'-0"

## ADD ALTERNATE #7




**F6** FIRST FLOOR DEMO PLAN - AREA A - ADD ALT#7
1/8" = 1'-0"




**F7** FIRST FLOOR DEMO PLAN - AREA A - ADD ALT#7
1/8" = 1'-0"

100% CD SET

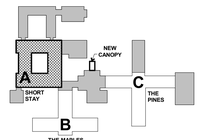
# Nelson Care Center Renovation

420 12th Ave E,
Alexandria, MN 56308

246040

**Vivie**
2209 Jefferson St. Suite 201
Alexandria, MN 56308

**WOLD ARCHITECTS AND ENGINEERS**
50 South 6th Street, Suite 2250
Minneapolis, Minnesota 55402
woldae.com | 612 772 9025




KEY PLAN

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

Sara Malin
License Number: 40063 Date 08/29/2025

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| ADDENDUM #2 | 9/11/2025 | 1 |

Comm: 246040
Date: 08/29/2025
Drawn: JDV/ CN
Check: EN

North

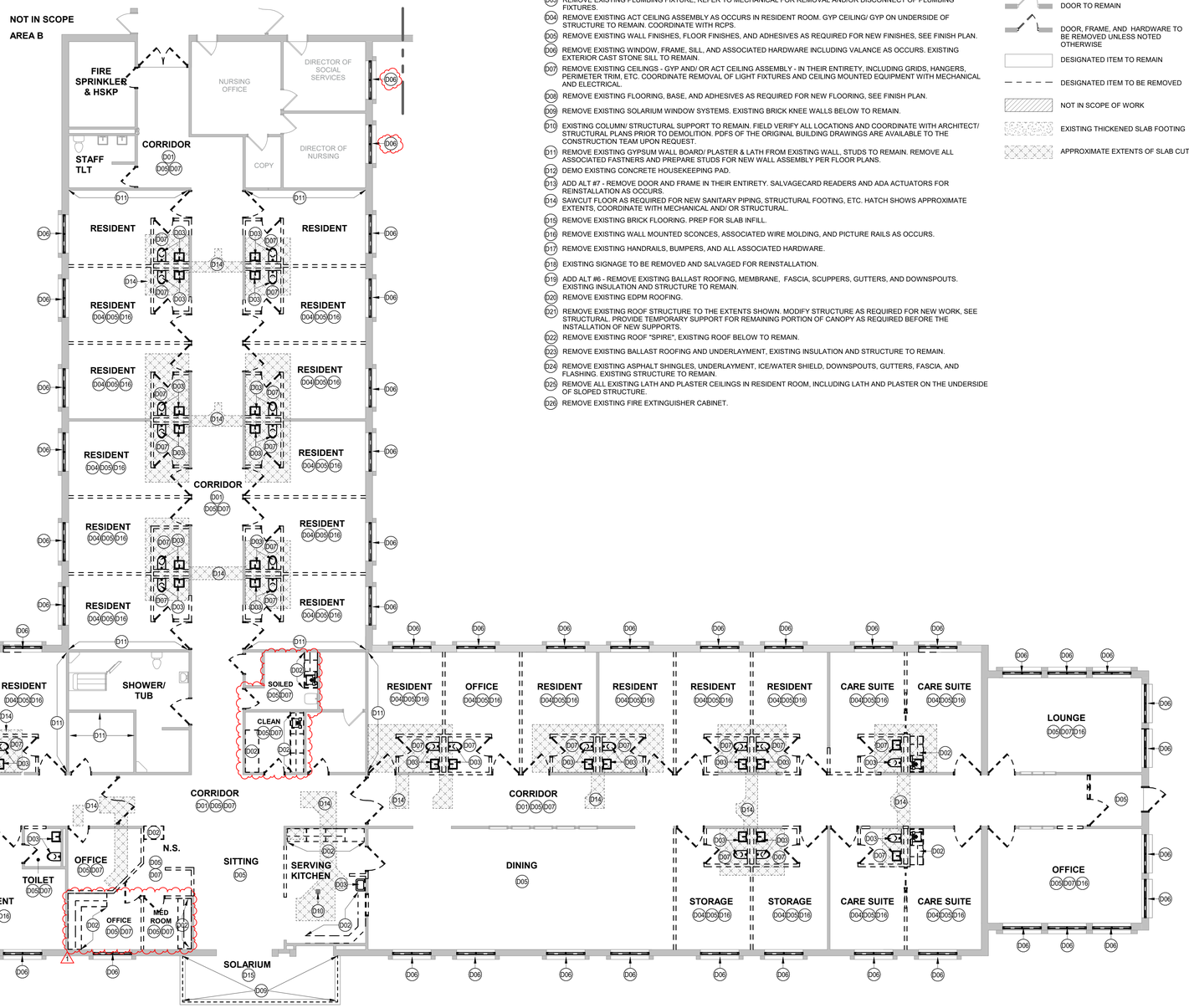
# FIRST FLOOR DEMOLITION PLAN - AREA A

Scale: As indicated

# A1.001a

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Central File Location: C:\Users\jvivie\Documents\Revit Local Files\Wold Care Center_Alex2025.rvt
9/11/2025 3:39:29 PM

MN




F1 FIRST FLOOR DEMO PLAN - AREA B
1/8" = 1'-0"
0 6' 12'

## DEMOLITION GENERAL NOTES

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3. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL ASPECTS OF DEMOLITION. CONTRACTOR TO REVIEW ALL DRAWINGS FOR ADDITIONAL DETAILS AND CONSTRUCTION SEQUENCING NOTES. MECHANICAL AND ELECTRICAL DEMOLITIONS ARE SHOWN ON MECHANICAL AND ELECTRICAL DRAWINGS.
4. PROVIDE AND COORDINATE ALL DEMOLITION AND RECONSTRUCTION WITH NEW WORK PLAN DIMENSIONS AND INSTALLATION OF NEW MATERIALS AND FINISHES, AS REQUIRED, WHETHER INDICATED ON DRAWINGS OR NOT.
5. REFER TO MECHANICAL AND ELECTRICAL FOR ADDITIONAL DEMOLITION NOTES.
6. ALL RELATED WOOD BLOCKING SUPPORT STRUCTURE, HARDWARE CONNECTION DEVICES, ADHESIVES, AND/OR MASTIC SHALL BE REMOVED FROM SURFACES AT ITEMS NOTED FOR REMOVAL. PROVIDE SURFACES ACCEPTABLE FOR PATCHING AND/OR NEW WORK.
7. ALL PATCHING REQUIRED AT/OR ADJACENT TO DEMOLITION WILL BE THE RESPONIBILITY OF THE G.C.
8. DASHED LINES INDICATE EXISTING TO BE REMOVED.
9. VERIFY EXISTING & PROPOSED CONDITIONS & DIMENSIONS.
10. REMOVE ALL EXISTING FINISHES, ADHESIVES OR OTHER MATERIALS THAT WILL CONFLICT WITH NEW FINISHES SCHEDULED IN EXISTING OR NEWLY REMODELED SPACES. REMOVE EXISTING FINISHES REQUIRED TO BE REMOVED ALONG WITH PARTITIONS, CEILINGS, BASES AND FLOORING ON WHICH THE FINISH ATTACHED.
11. REMOVE EXISTING PARTITIONS, DOORS, FRAMES, SOFFITS, MILLWORK, FIXTURES, ETC…ON THE DEMOLITION PLAN SHOWN WITH DASHED LINES. TURN ALL SALVAGEABLE ITEMS OVER TO THE OWNER.
12. REMOVE ALL OR ANY GENERAL, MECHANICAL AND ELECTRICAL MATERIAL NOT NECESSARILY SHOWN, BUT REQUIRED TO BE REMOVED TO COMPLETE WORK.
13. ALL CUTTING AND PATCHING REQUIRED FOR NEW MECHANICAL AND ELECTRICAL WORK IN EXISTING SPACES SHALL BE BY RESPECTIVE CONTRACTORS.
14. CONTRACTOR TO VERIFY WITH OWNER THAT HAZARDOUS MATERIAL SURVEY HAS BEEN COMPLETED FOR MATERIALS TO BE REMOVED/DISTURBED.
15. THE SCHEDULE OF EXISTING FINISHES IS INCLUDED FOR THE CONTRACTORS' BENEFIT ONLY. THE CONTRACTOR SHALL VERIFY ALL EXISTING FINISHES AND CONDITIONS BEFORE CONSTRUCTION BEGINS .
16. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK PHASING AND SEQUENCING WITH OWNER PRIOR TO START OF CONSTRUCTION.
17. ERECT DUST-PROOF PARTITIONS AS REQUIRED BY OWNER AND FIRE MARSHALL TO PROTECT ADJACENT AREA DURING CONSTRUCTION
18. MAINTAIN ALL REQUIRED EXITS AND MEANS OF EGRESS DURING CONSTRUCTION
19. PROTECT ALL MECHANICAL AND ELECTRICAL SERVICES AS REQUIRED TO REMAIN IN OPERATION
20. REMOVE CEILING TILES (AND GRID IF REQUIRED) IN EXISTING BUILDING TO REMAIN REQUIRED FOR MECHANICAL AND ELECTRICAL WORK. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR APPROXIMATE LOCATIONS. SAVE TILES (AND GRID) FOR REINSTALLATION WHEN COMPLETE.
21. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR SCOPE AND EXTENT OF MECHANICAL AND ELECTRICAL WORK
22. DURING THE DEMOLITION PROCESS THERE MAY BE INSTANCES WHERE THE REMOVAL OR ABANDONMENT OF A FIXTURE, DUCT, CONDUIT OR OTHER PIECE OF EQUIPMENT MAY LEAVE AN OPENING IN A REQUIRED FIRE RESISTANT ASSEMBLY. AS PART OF THE DEMOLITION AND REMODELING PROCESS A FIRE-RESISTIVE "MEMBER" OR "THOROUGH" PENETRATION (AND/OR OPEN JOINT) RESULTING FROM SUCH DEMOLITION WORK SHALL BE FIRESTOPPED OR SEALED IN ACCORDANCE WITH IBC CHAPTER 7 FOR THE NECESSARY RATING PROTECTIONS. PROVISIONS FOR REQUIRED FIRESTOP CONDITIONS SHALL BE INCLUDED AS PART OF THIS SECTION.
23. EXISTING BUILDING COMPONENTS TO REMAIN ARE DAMAGED DURING DEMOLITION SHALL BE PATCHED TO MATCH ADJACENT EXISTING MATERIAL/FINISHES.
24. COORDINATE WITH OWNER THE STORAGE OF EXISTING ITEMS TO BE RELOCATED
25. VERIFY EXISTING SPRINKLER SYSTEM WITH SPRINKLER CONTRACTOR PRIOR TO ANY DEMOLITION. SPRINKLER CONTRACTOR TO MODIFY AND MAINTAIN SYSTEM CODE REQUIREMENTS THROUGHOUT THE PROJECT
26. CONTRACTOR SHALL REMOVE/MODIFY EXISTING GYPSUM BOARD AND ACM CEILINGS AS NECESSARY FOR NEW CEILING LAYOUT AND MECHANICAL DUCTWORK. SEE CEILING PLAN FOR NEW CEILING LAYOUT.
27. CONTRACTOR SHALL REMOVE EXISTING OWNERS WALL MOUNTED ITEMS & NON-FIXED FURNITURE OR EQUIPMENT AND TURN OVER TO OWNER'S STOCK IN DEMOLITION AREAS .
28. CONTRACTOR SHALL REMOVE EXISTING GYPSUM BOARD FROM FLOOR TO STRUCTURE WHERE WALL CALLS FOR NEW GYPSUM BOARD.

## DEMOLITION PLAN KEY NOTES:

D01 REMOVE AND SALVAGE EXISTING HANDRAIL AND BRACKETS FOR REINSTALLATION IN AREA B. SEE FINISH PLAN.
D02 REMOVE EXISTING CASEWORK AND COUNTERTOP IN THEIR ENTIRETY. REFER TO MECHANICAL FOR REMOVAL AND/OR DISCONNECT OF PLUMBING FIXTURES AS OCCUR.
D03 REMOVE EXISTING PLUMBING FIXTURE, REFER TO MECHANICAL FOR REMOVAL AND/OR DISCONNECT OF PLUMBING FIXTURES.
D04 REMOVE EXISTING ACT CEILING ASSEMBLY AS OCCURS IN RESIDENT ROOM. GYP CEILING/ GYP ON UNDERSIDE OF STRUCTURE TO REMAIN. COORDINATE WITH RCPS.
D05 REMOVE EXISTING WALL FINISHES, FLOOR FINISHES, AND ADHESIVES AS REQUIRED FOR NEW FINISHES, SEE FINISH PLAN.
D06 REMOVE EXISTING WINDOW, FRAME, SILL, AND ASSOCIATED HARDWARE INCLUDING VALANCE AS OCCURS. EXISTING EXTERIOR CAST STONE SILL TO REMAIN.
D07 REMOVE EXISTING CEILINGS - GYP AND/ OR ACT CEILING ASSEMBLY - IN THEIR ENTIRETY, INCLUDING GRIDS, HANGERS, PERIMETER TRIM, ETC. COORDINATE REMOVAL OF LIGHT FIXTURES AND CEILING MOUNTED EQUIPMENT WITH MECHANICAL AND ELECTRICAL.
D08 REMOVE EXISTING FLOORING, BASE, AND ADHESIVES AS REQUIRED FOR NEW FLOORING, SEE FINISH PLAN.
D09 REMOVE EXISTING SOLARIUM WINDOW SYSTEMS. EXISTING BRICK KNEE WALLS BELOW TO REMAIN.
D10 EXISTING COLUMN/ STRUCTURAL SUPPORT TO REMAIN. FIELD VERIFY ALL LOCATIONS AND COORDINATE WITH ARCHITECT/ STRUCTURAL PLANS PRIOR TO DEMOLITION. PDFS OF THE ORIGINAL BUILDING DRAWINGS ARE AVAILABLE TO THE CONSTRUCTION TEAM UPON REQUEST.
D11 REMOVE EXISTING GYPSUM WALL BOARD/ PLASTER & LATH FROM EXISTING WALL, STUDS TO REMAIN. REMOVE ALL ASSOCIATED FASTNERS AND PREPARE STUDS FOR NEW WALL ASSEMBLY PER FLOOR PLANS.
D12 DEMO EXISTING CONCRETE HOUSEKEEPING PAD.
D13 ADD ALT #7 - REMOVE DOOR AND FRAME IN THEIR ENTIRETY. SALVAGECARD READERS AND ADA ACTUATORS FOR REINSTALLATION AS OCCURS.
D14 SAWCUT FLOOR AS REQUIRED FOR NEW SANITARY PIPING, STRUCTURAL FOOTING, ETC. HATCH SHOWS APPROXIMATE EXTENTS, COORDINATE WITH MECHANICAL AND/ OR STRUCTURAL.
D15 REMOVE EXISTING BRICK FLOORING. PREP FOR SLAB INFILL.
D16 REMOVE EXISTING WALL MOUNTED SCONCES, ASSOCIATED WIRE MOLDING, AND PICTURE RAILS AS OCCURS.
D17 REMOVE EXISTING HANDRAILS, BUMPERS, AND ALL ASSOCIATED HARDWARE.
D18 EXISTING SIGNAGE TO BE REMOVED AND SALVAGED FOR REINSTALLATION.
D19 ADD ALT #6 - REMOVE EXISTING BALLAST ROOFING, MEMBRANE, FASCIA, SCUPPERS, GUTTERS, AND DOWNSPOUTS. EXISTING INSULATION AND STRUCTURE TO REMAIN.
D20 REMOVE EXISTING EDPM ROOFING.
D21 REMOVE EXISTING ROOF STRUCTURE TO THE EXTENTS SHOWN. MODIFY STRUCTURE AS REQUIRED FOR NEW WORK, SEE STRUCTURAL. PROVIDE TEMPORARY SUPPORT FOR REMAINING PORTION OF CANOPY AS REQUIRED BEFORE THE INSTALLATION OF NEW SUPPORTS.
D22 REMOVE EXISTING ROOF "SPIRE", EXISTING ROOF BELOW TO REMAIN.
D23 REMOVE EXISTING BALLAST ROOFING AND UNDERLAYMENT, EXISTING INSULATION AND STRUCTURE TO REMAIN.
D24 REMOVE EXISTING ASPHALT SHINGLES, UNDERLAYMENT, ICE/WATER SHIELD, DOWNSPOUTS, GUTTERS, FASCIA, AND FLASHING. EXISTING STRUCTURE TO REMAIN.
D25 REMOVE ALL EXISTING LATH AND PLASTER CEILINGS IN RESIDENT ROOM, INCLUDING LATH AND PLASTER ON THE UNDERSIDE OF SLOPED STRUCTURE.
D26 REMOVE EXISTING FIRE EXTINGUISHER CABINET.

## DEMOLITION LEGEND

- WALL TO REMAIN
- WALL TO BE REMOVED
- DOOR TO REMAIN
- DOOR, FRAME, AND HARDWARE TO BE REMOVED UNLESS NOTED OTHERWISE
- DESIGNATED ITEM TO REMAIN
- DESIGNATED ITEM TO BE REMOVED
- NOT IN SCOPE OF WORK
- EXISTING THICKENED SLAB FOOTING
- APPROXIMATE EXTENTS OF SLAB CUTTING

A

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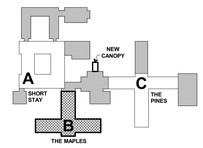
# Nelson Care Center Renovation

420 12th Ave E,
Alexandria, MN 56308

246040

**Vivie**
2209 Jefferson St. Suite 201
Alexandria, MN 56308

**WOLD ARCHITECTS AND ENGINEERS**
50 South 6th Street, Suite 2250
Minneapolis, Minnesota 55402
woldae.com | 612 772 9025




KEY PLAN

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

Sara Malin
License Number: 40063 Date 08/29/2025

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| ADDENDUM #2 | 9/11/2025 | 1 |

Comm: 246040
Date: 08/29/2025
Drawn: JDV/ CN
Check: EN

North

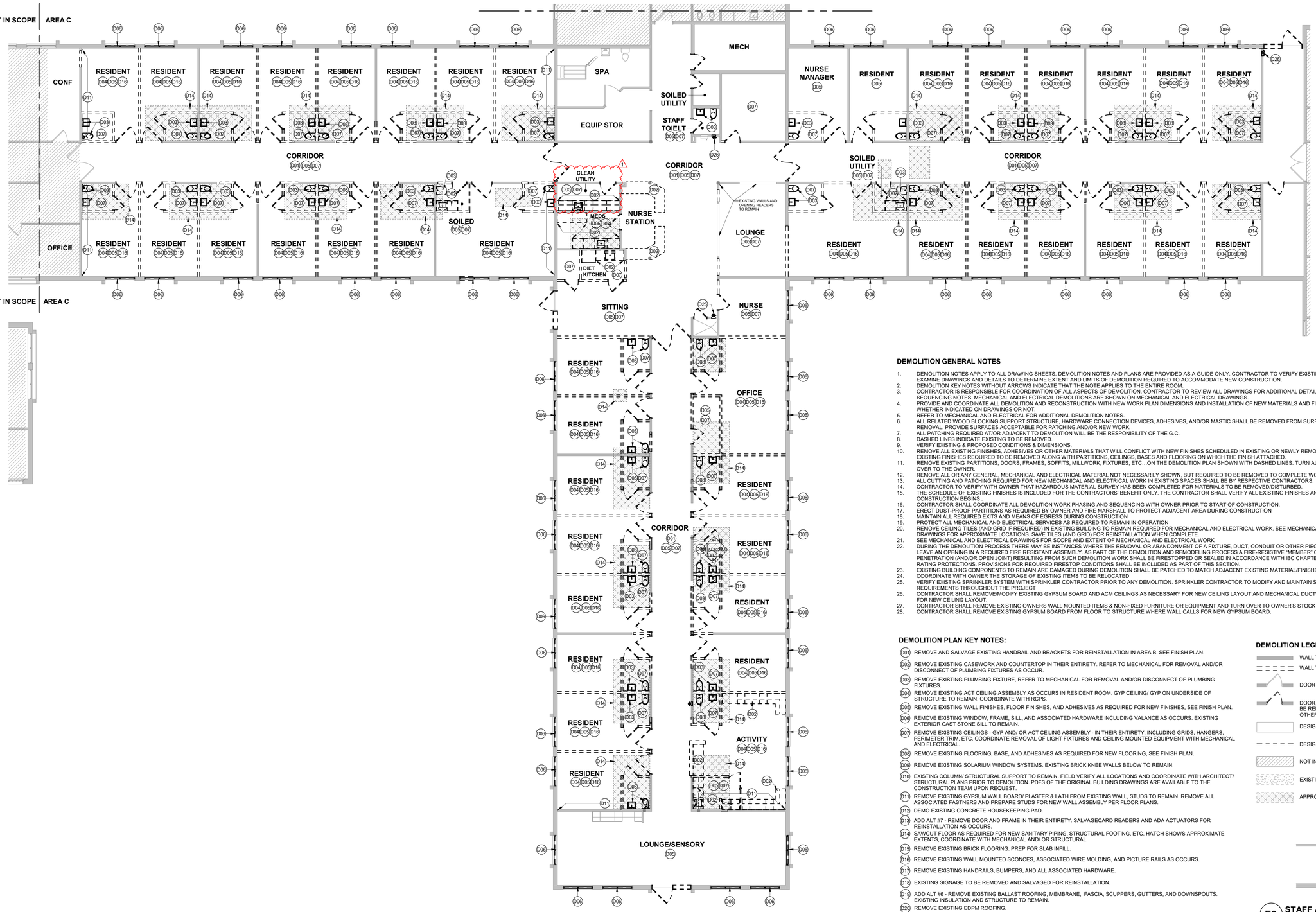
# FIRST FLOOR DEMOLITION PLAN - AREA B

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

# A1.001b

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_Rev2025.rvt
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9/11/2025 3:56:26 PM

**MN**




**F4** FIRST FLOOR DEMO PLAN - AREA C
1/8" = 1'-0"
0 6' 12'

## DEMOLITION GENERAL NOTES

1. DEMOLITION NOTES APPLY TO ALL DRAWING SHEETS. DEMOLITION NOTES AND PLANS ARE PROVIDED AS A GUIDE ONLY. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND EXAMINE DRAWINGS AND DETAILS TO DETERMINE EXTENT AND LIMITS OF DEMOLITION REQUIRED TO ACCOMMODATE NEW CONSTRUCTION.
2. DEMOLITION KEY NOTES WITHOUT ARROWS INDICATE THAT THE NOTE APPLIES TO THE ENTIRE ROOM.
3. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL ASPECTS OF DEMOLITION. CONTRACTOR TO REVIEW ALL DRAWINGS FOR ADDITIONAL DETAILS AND CONSTRUCTION SEQUENCING NOTES. MECHANICAL AND ELECTRICAL DEMOLITIONS ARE SHOWN ON MECHANICAL AND ELECTRICAL DRAWINGS.
4. PROVIDE AND COORDINATE ALL DEMOLITION AND RECONSTRUCTION WITH NEW WORK PLAN DIMENSIONS AND INSTALLATION OF NEW MATERIALS AND FINISHES, AS REQUIRED, WHETHER INDICATED ON DRAWINGS OR NOT.
5. REFER TO MECHANICAL AND ELECTRICAL FOR ADDITIONAL DEMOLITION NOTES.
6. ALL RELATED WOOD BLOCKING SUPPORT STRUCTURE, HARDWARE CONNECTION DEVICES, ADHESIVES, AND/OR MASTIC SHALL BE REMOVED FROM SURFACES AT ITEMS NOTED FOR REMOVAL. PROVIDE SURFACES ACCEPTABLE FOR PATCHING AND/OR NEW WORK.
7. ALL PATCHING REQUIRED AT/OR ADJACENT TO DEMOLITION WILL BE THE RESPONIBILITY OF THE G.C.
8. DASHED LINES INDICATE EXISTING TO BE REMOVED.
9. VERIFY EXISTING & PROPOSED CONDITIONS & DIMENSIONS.
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11. REMOVE EXISTING PARTITIONS, DOORS, FRAMES, SOFFITS, MILLWORK, FIXTURES, ETC…ON THE DEMOLITION PLAN SHOWN WITH DASHED LINES. TURN ALL SALVAGEABLE ITEMS OVER TO THE OWNER.
12. REMOVE ALL OR ANY GENERAL, MECHANICAL AND ELECTRICAL MATERIAL NOT NECESSARILY SHOWN, BUT REQUIRED TO BE REMOVED TO COMPLETE WORK.
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18. MAINTAIN ALL REQUIRED EXITS AND MEANS OF EGRESS DURING CONSTRUCTION
19. PROTECT ALL MECHANICAL AND ELECTRICAL SERVICES AS REQUIRED TO REMAIN IN OPERATION
20. REMOVE CEILING TILES (AND GRID IF REQUIRED) IN EXISTING BUILDING TO REMAIN REQUIRED FOR MECHANICAL AND ELECTRICAL WORK. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR APPROXIMATE LOCATIONS. SAVE TILES (AND GRID) FOR REINSTALLATION WHEN COMPLETE.
21. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR SCOPE AND EXTENT OF MECHANICAL AND ELECTRICAL WORK
22. DURING THE DEMOLITION PROCESS THERE MAY BE INSTANCES WHERE THE REMOVAL OR ABANDONMENT OF A FIXTURE, DUCT, CONDUIT OR OTHER PIECE OF EQUIPMENT MAY LEAVE AN OPENING IN A REQUIRED FIRE RESISTANT ASSEMBLY. AS PART OF THE DEMOLITION AND REMODELING PROCESS A FIRE-RESISITVE "MEMBER" OR "THOROUGH" PENETRATION (AND/OR OPEN JOINT) RESULTING FROM SUCH DEMOLITION WORK SHALL BE FIRESTOPPED OR SEALED IN ACCORDANCE WITH IBC CHAPTER 7 FOR THE NECESSARY RATING PROTECTIONS. PROVISIONS FOR REQUIRED FIRESTOP CONDITIONS SHALL BE INCLUDED AS PART OF THIS SECTION.
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25. VERIFY EXISTING SPRINKLER SYSTEM WITH SPRINKLER CONTRACTOR PRIOR TO ANY DEMOLITION. SPRINKLER CONTRACTOR TO MODIFY AND MAINTAIN SYSTEM CODE REQUIREMENTS THROUGHOUT THE PROJECT
26. CONTRACTOR SHALL REMOVE/MODIFY EXISTING GYPSUM BOARD AND ACM CEILINGS AS NECESSARY FOR NEW CEILING LAYOUT AND MECHANICAL DUCTWORK. SEE CEILING PLAN FOR NEW CEILING LAYOUT.
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## DEMOLITION PLAN KEY NOTES:

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- D03 REMOVE EXISTING PLUMBING FIXTURE, REFER TO MECHANICAL FOR REMOVAL AND/OR DISCONNECT OF PLUMBING FIXTURES.
- D04 REMOVE EXISTING ACT CEILING ASSEMBLY AS OCCURS IN RESIDENT ROOM. GYP CEILING/ GYP ON UNDERSIDE OF STRUCTURE TO REMAIN. COORDINATE WITH RCPS.
- D05 REMOVE EXISTING WALL FINISHES, FLOOR FINISHES, AND ADHESIVES AS REQUIRED FOR NEW FINISHES, SEE FINISH PLAN.
- D06 REMOVE EXISTING WINDOW, FRAME, SILL, AND ASSOCIATED HARDWARE INCLUDING VALANCE AS OCCURS. EXISTING EXTERIOR CAST STONE SILL TO REMAIN.
- D07 REMOVE EXISTING CEILINGS - GYP AND/ OR ACT CEILING ASSEMBLY - IN THEIR ENTIRETY, INCLUDING GRIDS, HANGERS, PERIMETER TRIM, ETC. COORDINATE REMOVAL OF LIGHT FIXTURES AND CEILING MOUNTED EQUIPMENT WITH MECHANICAL AND ELECTRICAL.
- D08 REMOVE EXISTING FLOORING, BASE, AND ADHESIVES AS REQUIRED FOR NEW FLOORING, SEE FINISH PLAN.
- D09 REMOVE EXISTING SOLARIUM WINDOW SYSTEMS. EXISTING BRICK KNEE WALLS BELOW TO REMAIN.
- D10 EXISTING COLUMN/ STRUCTURAL SUPPORT TO REMAIN. FIELD VERIFY ALL LOCATIONS AND COORDINATE WITH ARCHITECT/ STRUCTURAL PLANS PRIOR TO DEMOLITION. PDFS OF THE ORIGINAL BUILDING DRAWINGS ARE AVAILABLE TO THE CONSTRUCTION TEAM UPON REQUEST.
- D11 REMOVE EXISTING GYPSUM WALL BOARD/ PLASTER & LATH FROM EXISTING WALL, STUDS TO REMAIN. REMOVE ALL ASSOCIATED FASTNERS AND PREPARE STUDS FOR NEW WALL ASSEMBLY PER FLOOR PLANS.
- D12 DEMO EXISTING CONCRETE HOUSEKEEPING PAD.
- D13 ADD ALT #7 - REMOVE DOOR AND FRAME IN THEIR ENTIRETY. SALVAGECARD READERS AND ADA ACTUATORS FOR REINSTALLATION AS OCCURS.
- D14 SAWCUT FLOOR AS REQUIRED FOR NEW SANITARY PIPING, STRUCTURAL FOOTING, ETC. HATCH SHOWS APPROXIMATE EXTENTS, COORDINATE WITH MECHANICAL AND/ OR STRUCTURAL.
- D15 REMOVE EXISTING BRICK FLOORING. PREP FOR SLAB INFILL.
- D16 REMOVE EXISTING WALL MOUNTED SCONCES, ASSOCIATED WIRE MOLDING, AND PICTURE RAILS AS OCCURS.
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- D18 EXISTING SIGNAGE TO BE REMOVED AND SALVAGED FOR REINSTALLATION.
- D19 ADD ALT #6 - REMOVE EXISTING BALLAST ROOFING, MEMBRANE, FASCIA, SCUPPERS, GUTTERS, AND DOWNSPOUTS. EXISTING INSULATION AND STRUCTURE TO REMAIN.
- D20 REMOVE EXISTING EDPM ROOFING.
- D21 REMOVE EXISTING ROOF STRUCTURE TO THE EXTENTS SHOWN. MODIFY STRUCTURE AS REQUIRED FOR NEW WORK, SEE STRUCTURAL. PROVIDE TEMPORARY SUPPORT FOR REMAINING PORTION OF CANOPY AS REQUIRED BEFORE THE INSTALLATION OF NEW SUPPORTS.
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- D23 REMOVE EXISTING BALLAST ROOFING AND UNDERLAYMENT, EXISTING INSULATION AND STRUCTURE TO REMAIN.
- D24 REMOVE EXISTING ASPHALT SHINGLES, UNDERLAYMENT, ICE/WATER SHIELD, DOWNSPOUTS, GUTTERS, FASCIA, AND FLASHING. EXISTING STRUCTURE TO REMAIN.
- D25 REMOVE ALL EXISTING LATH AND PLASTER CEILINGS IN RESIDENT ROOM, INCLUDING LATH AND PLASTER ON THE UNDERSIDE OF SLOPED STRUCTURE.
- D26 REMOVE EXISTING FIRE EXTINGUISHER CABINET.

## DEMOLITION LEGEND

- WALL TO REMAIN
- WALL TO BE REMOVED
- DOOR TO REMAIN
- DOOR, FRAME, AND HARDWARE TO BE REMOVED UNLESS NOTED OTHERWISE
- DESIGNATED ITEM TO REMAIN
- DESIGNATED ITEM TO BE REMOVED
- NOT IN SCOPE OF WORK
- EXISTING THICKENED SLAB FOOTING
- APPROXIMATE EXTENTS OF SLAB CUTTING



**F8** STAFF AREA DOOR DEMO
1/8" = 1'-0"
0 6' 12'

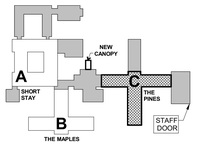
**Nelson Care Center Renovation**

420 12th Ave E,
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246040

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2209 Jefferson St. Suite 201
Alexandria, MN 56308


**WOLD ARCHITECTS AND ENGINEERS**
50 South 6th Street, Suite 2250
Minneapolis, Minnesota 55402
woldae.com | 612 772 9025


## KEY PLAN

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

Sara Malin
License Number: 40063 Date 08/29/2025

| Revisions | | |
|---|---|---|
| Description | Date | Num. |
| ADDENDUM #2 | 9/11/2025 | 1 |

Comm: 246040
Date: 08/29/2025
Drawn: JDV/ CN
Check: EN
North

# FIRST FLOOR DEMOLITION PLAN - AREA C

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

**100% CD SET**

**A1.001c**


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Central: https://connect.boldr.com/Nelson Care Center/246040 - Vivie Care Center_Rev25.rvt
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X-95 **FIRST FLOOR PLAN - AREA A**
1/8" = 1'-0"
0 6' 12'

C5 **LOWER LEVEL FLOOR PLAN - AREA A**
1/8" = 1'-0"
0 6" 12"

F6 **ARAEA A - SLAB PATCHING KEY PLAN**
1" = 30'-0"
0 22'-6" 45'

BLUE HATCH INDICATES APPROXIMATE EXTENTS OF SLAB PATCHING AND/OR INFILLING, COORDIANTE W/ NEW WORK AND STRUCTURAL.

## FLOOR PLAN GENERAL NOTES

OUT OF SCOPE — RECESSED SLAB FOR SHOWER

1. FIELD VERIFY ALL MILLWORK OPENINGS.
2. REFER TO SHEET A0.001 FOR ABBREVIATIONS & SYMBOLS.
3. REFER TO SHEET A4.00a FOR MATERIAL FINISH/COLOR SCHEDULE & INTERIOR SPECIFICATIONS.
4. ALL PLAN DIMENSIONS ARE TO FACE OF WALL. SEE WALL TYPES FOR ACTUAL THICKNESS. VERIFY DIMENSIONS WITH STRUCTURAL.
5. ALL DOOR/ SIDELITE OPENINGS TO BE 4" FROM ADJACENT WALL UNLESS OTHERWISE NOTED.
6. COORDINATE SIZE AND LOCATION OF ALL DUCT AND SHAFT OPENINGS IN WALLS AND FLOORS W/ MECHANICAL AND ELECTRICAL.
7. IN AREA OF CONSTRUCTION, FIRESAFE ALL EXISTING AND NEW WALL PENETRATIONS.
8. AT EXISTING SURFACES AFFECTED BY DEMOLITION AND NEW WORK, PATCH / RESTORE EXISTING FINISHES AS REQUIRED FOR NEW FINISH, AND REQUIRED FIRE AND SMOKE ASSEMBLIES.
9. SUBCONTRACTORS FOR EACH TRADE ARE ADVISED THAT INFORMATION PERTINENT TO THEIR WORK MAY OCCUR IN OTHER PORTIONS OF THE CONTRACT DOCUMENTS. ALL NOTES ARE TO BE REVIEWED AND APPLIED TO RELATED BUILDING COMPONENTS.
10. MATCH FINISHED WALL THICKNESS WHERE NEW WALLS OCCUR IN LINE WITH EXISTING WALLS.
11. PATCH ALL HOLES IN EXISTING SURFACES AND WHERE EQUIPMENT HAS BEEN REMOVED OR DEMOLITION HAS OCCURRED AND PREPARE WALL SURFACES (PATCH, SKIM COAT, ETC…) AS REQUIRED IN PREPARATION FOR NEW FINISHES SCHEDULED. PATCH TO MATCH ADJACENT SURFACES IF NOT SCHEDULED. EACH SIDE OF WALL. COORDINATE EXTENTS WITH ARCHITECTURAL DEMOLITION PLANS, AND PLUMBING, MECHANICAL AND ELECTRICAL DEMOLITION AND NEW WORK PLANS.
12. ALL CUTTING AND PATCHING REQUIRED FOR NEW MECHANICAL AND ELECTRICAL WORK IN EXISTING SPACES SHALL BE BY THE RESPECTIVE CONTRACTORS.
13. FIELD VERIFY ALL DIMENSIONS AND AS-BUILT EXISTING CONDITIONS. NOTIFY THE ARCHITECTS IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES OCCUR BEFORE AND/OR DURING CONSTRUCTION.
14. DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR TO VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO COMMENCING THE WORK.
15. ALL EXISTING FLOOR AND WALL OPENINGS AND DEPRESSIONS NOT USED IN THE NEW WORK SHALL BE FILLED OR CLOSED WITH MATERIALS TO MEET REQUIRED FIRE RATINGS AND MATCH ADJACENT FINISHES.
16. CROSS REFERENCES SHOWN ON DRAWINGS DO NOT NECESSARILY INDICATE ALL LIKE CONDITIONS AND DO NOT LIMIT APPLICATION OF ANY DRAWING OR DETAIL. WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT PRIOR TO PROCEEDING WITH WORK.
17. SEAL ALL COUNTERTOPS, BACKSPLASHES AND CABINETS AT LOCATIONS WHERE THEY MEET WALLS. SEAL ALL CUT-OUTS IN COUNTERTOPS.
18. ERECT DUSTPROOF PARTITIONS AS REQUIRED BY OWNER TO PROTECT ADJACENT AREAS.
19. ALL PIPING, CONDUITS, AND RELATED MECHANICAL AND ELECTRICAL ITEMS SHALL BE CONCEALED WITH DRYWALL AND/OR PLASTER FURRING AS REQUIRED IN FINISHED AREAS WHETHER SHOWN ON DRAWINGS OR NOT UNLESS NOTED OTHERWISE.
20. SEAL AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT PENETRATIONS AT RATED WALLS ABOVE AND BELOW CEILINGS WITH UL APPROVED FIRESTOPPING MATERIAL.
21. IT IS THE CONTRACTORS' RESPONSIBILITY TO REVIEW ALL SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND OTHER SUBMITTALS PRIOR TO SUBMISSION TO THE ARCHITECT. NOTIFY THE ARCHITECT IN WRITING OF SUBMITTAL OF ANY DEVIATIONS IN SUBMITTALS FROM REQUIREMENTS OF CONSTRUCTION DOCUMENTS.
22. CONTRACTOR IS RESPONSIBLE TO VERIFY FOR FIELD DIMENSIONS AND EXISTING CONDITIONS, FIELD CONSTRUCTION CRITERIA, CATALOG MODEL NUMBERS AND SIMILAR DATA CONFORMANCE WITH CONSTRUCTION DOCUMENTS AND COORDINATION WITH OTHER WORK
23. FIELD VERIFY ALL COLUMNS, REFER TO ARCHITECTURAL DRAWINGS FOR COLUMN WRAPS.
24. FLOOR PLAN KEY NOTES WITHOUT ARROWS INDICATE THAT THE NOTE APPLIES TO THE ENTIRE ROOM.
25. SEE STRUCTURAL PLANS FOR SHEAR WALL LOCATIONS. COORDINATE SHEATHING REQUIREMENTS, BLOCKING, FASTENERS, ANCHORS, ETC. WITH STRUCTURAL PLANS & SCHEDULES FOR SHEAR WALLS.

## FLOOR PLAN KEY NOTES:

01 STEEL SHIPS LADDER TO PENTHOUSE ABOVE.
02 AT SHADED AREA, RECESS SLAB 1" FOR SHOWER.
03 PROVIDE NEW SECOND LAYER OF 5/8" GYP BD ON EXISTING WALL.
04 PROVIDE LAYER OF 1/2" RESILIENT CHANNEL AND OUTSIDE LAYER OF 5/8" GYP BD TO RESIDENT ROOM SIDE OF EXISTING STUD FRAMING FOR NEW UL U305 ASSEMBLY
05 EVS MOP SINK AND SHIELD. INSTALL PER DETAIL F2/A4.711
06 INFILL CONCRETE FLOOR SLAB AT REMOVAL OF BRICK FLOORING. POUR, DOWEL (IF REQUIRED), LEVEL, AND FEATHER INTO EXISTING SLAB.
07 ADD GYPSUM BOARD AND FURRING TO EXISTING WALL AS REQUIRED FOR FLUSH WALL FINISH
08 REINSTALL EXISTING SIGNAGE AFTER PAINTING.
09 PROVIDE 1 HOUR RATED ENCLOSURE AT EXISTING STRUCTURAL COLUMN IN WALL PER DETAIL A7/A4.701
10 PROVIDE RECESSED FLOOR MOUNTED ACCESS PANEL. SIZE TO MATCH EXISTING OPENING. VIF.

## DOOR / OPENING SCHEDULE - AREA A

| DOOR NO | ROOM | DOOR / OPENING TYPE | QTY | WIDTH | HEIGHT | MATL | LABEL/ RATING | OVERALL WIDTH | FRAME TYPE | FRAME MATL | HDW GRP | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A100 | CORRIDOR | N | 2 | 3'-8" | 7'-0" | WD | SB - 20 MIN | 7'-8" | FR 3 | HM | 39 | 1 HOUR SMOKE BARRIER, PROVIDE DP1 & DP2 (BOTH PANELS) |
| A101 | SS RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1A | HM | 17 | PROVIDE DP1 & DP2 |
| A101A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| A102 | SS RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1A | HM | 18 | PROVIDE DP1 & DP2 |
| A102A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| A103 | JAN | F | 1 | 3'-0" | 7'-0" | WD | -- | 3'-4" | FR 1A | HM | 38 | PROVIDE DP1 & DP2 |
| A104 | SOILED UTILITY | F | 1 | 3'-0" | 7'-0" | WD | FB - 45 MIN | 3'-4" | FR 1A | HM | 37 | 1 HOUR FIRE BARRIER, PROVIDE DP1 & DP2 |
| A104A | O2 | F | 1 | 3'-0" | 7'-0" | WD | FB - 45 MIN | 3'-4" | FR 1 | HM | 38 | 1 HOUR FIRE BARRIER, PROVIDE DP1 & DP2 |
| A105 | O2 | AL | 1 | 3'-0" | 6'-6" | AL | -- | 3'-4" | FR 1 | AL | 09 | |
| A106 | CLEAN | F | 1 | 3'-0" | 7'-0" | WD | | 3'-4" | FR 1A | HM | 14 | |
| A107 | SS RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1A | HM | 17 | PROVIDE DP1 & DP2 |
| A107A | SS RESIDENT ROOM | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| A108 | SS RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1A | HM | 17 | PROVIDE DP1 & DP2 |
| A108A | SS RESIDENT ROOM | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| A109 | CLEAN | F | 1 | 3'-0" | 7'-0" | WD | | 3'-4" | FR 1A | HM | 13 | |
| A110 | CORRIDOR | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1A | HM | 22 | PROVIDE DP1 & DP2 |
| A111 | SCHED OFFICE | F | 1 | 3'-0" | 7'-0" | WD | | 3'-4" | FR 1A | HM | 25 | |
| A112 | CONSULT OFFICE | F | 1 | 3'-0" | 7'-0" | WD | | 3'-4" | FR 1A | HM | 25 | |
| A113 | STAFF TOILET | F | 1 | 3'-8" | 7'-0" | WD | -- | 4'-0" | FR 1A | HM | 23 | |
| A114 | CONSULT OFFICE | F | 1 | 3'-0" | 7'-0" | WD | | 3'-4" | FR 1 | HM | 25 | |
| A115 | MDS OFFICE | F | 1 | 3'-0" | 7'-0" | WD | | 3'-4" | FR 1 | HM | 25 | |
| A116 | MEDS | F | 1 | 3'-0" | 7'-0" | WD | -- | 3'-4" | FR 1 | HM | 36 | |
| A117 | NURSING OFFICE | FG | 1 | 3'-6" | 7'-0" | WD | -- | 3'-10" | FR 1A | HM | 30 | PROVIDE DP1 & DP2 |
| A117AL | NURSING OFFICE | -- | -- | 3'-6" | 4'-6" | -- | -- | 3'-6" | FR 5 | HM | -- | BORROWED LITE |
| A117BL | NURSING OFFICE | -- | -- | 3'-0" | 4'-6" | -- | -- | 3'-0" | FR 5 | HM | -- | BORROWED LITE |
| A117CL | NURSING OFFICE | -- | -- | 5'-10" | 4'-6" | -- | -- | 5'-10" | FR 6 | HM | -- | BORROWED LITE |
| A117DL | NURSING OFFICE | -- | -- | 5'-10" | 4'-6" | -- | -- | 5'-10" | FR 6 | HM | -- | BORROWED LITE |
| A118 | VESTIBULE | AL | 1 | 4'-0" | 7'-0" | WD | -- | 4'-4" | FR 1 | AL | 20 | |
| A119 | SS RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1A | HM | 17 | PROVIDE DP1 & DP2 |
| A119A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| A120 | SS RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1A | HM | 17 | PROVIDE DP1 & DP2 |
| A120A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| A121 | DATA | F | 2 | 2'-6" | 7'-0" | WD | -- | 5'-4" | FR 1A | HM | 11 | PROVIDE STOREROOM LOCK |
| A122 | LINK | N | 2 | 3'-0" | 7'-0" | WD | FW - 90 MIN | 6'-4" | FR 1 | HM | 40 | 2 HR FIRE WALL |
| A123 | MECH | F | 1 | 3'-0" | 7'-0" | WD | FB - 45 MIN | 3'-4" | FR 1 | HM | 33 | |
| A125 | SS BARIATRIC RESIDENT ROOM | F | 2 | 3'-8" | 7'-0" | WD | | 6'-0" | FR 1A | HM | 11 | PROVIDE DP1 & DP2 (BOTH PANELS) |
| A125A | BARIATRIC TOILET | A | 1 | 2'-6" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| A126 | SS RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1A | HM | 18 | PROVIDE DP1 & DP2 |
| A126A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| A127 | SS RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1A | HM | 17 | PROVIDE DP1 & DP2 |
| A127A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| A128 | SS RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1A | HM | 17 | PROVIDE DP1 & DP2 |
| A128A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| A129 | SS RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1A | HM | 17 | PROVIDE DP1 & DP2 |
| A129A | SS RESIDENT ROOM | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| A130 | SS RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1A | HM | 18 | PROVIDE DP1 & DP2 |
| A130A | SS RESIDENT ROOM | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| A131 | CORRIDOR | F | 2 | 3'-0" | 7'-0" | WD | -- | 6'-4" | FR 1A | HM | 19 | |
| A132 | CORRIDOR | N | 2 | 3'-8" | 7'-0" | WD | SB - 20 MIN | 7'-8" | FR 3 | HM | 39 | PROVIDE DP1 & DP2 (BOTH PANELS) |
| A133 | LINK | N | 2 | 3'-0" | 7'-0" | WD | FW - 90 MIN | 6'-4" | FR 1 | HM | 40 | 2 HR FIRE WALL |
| A134 | CORRIDOR | FG | 1 | 3'-0" | 7'-0" | WD | -- | 3'-4" | FR 1 | HM | 08 | |

## ACCESSORY/EQUIPMENT SCHEDULE

| Type Mark | Description | Provided By |
|---|---|---|
| 01 | WALL MOUNTED SOAP DISPENSER, COORD LOCATION W/ OWNER | OWNER SUPPLIED, CONTRACTOR INSTALLED |
| 02 | WALL MOUNTED PAPER TOWEL DISPENSER, COORD LOCATION W/ OWNER | OWNER SUPPLIED, CONTRACTOR INSTALLED |
| 03 | DECORATIVE WOOD MIRROR, BASIS OF DESIGN 34" X 34" SIGNATURE HARDWARE BURFIELD BAMBOO | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 04 | MICROWAVE | OWNER SUPPLIED & INSTALLED |
| 05 | UNDER COUNTER FRIDGE | OWNER SUPPLIED & INSTALLED |
| 06 | WALL MOUNTED TELEVISION, BLOCKING BY CONTRACTOR, COORD LOCATION W/ OWNER | OWNER SUPPLIED & INSTALLED |
| 07 | ROLL-UP WHEELCHAIR SCALE | OWNER SUPPLIED & INSTALLED |
| 08 | BASIS OF DESIGN: APOLLO SPA TUB W/ RESEVOIR | OWNER SUPPLIED, CONTRACTOR INSTALLED |
| 09 | SST FRAMED WALL MOUNTED MIRROR | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 10 | CEILING MOUNTED TRACK AND CUBICLE CURTAIN, CC1 | BY DIV 10 44 16, CONTRACTOR SUPPLIED & INSTALLED |
| 11 | PRINTER | OWNER SUPPLIED & INSTALLED |
| 12 | COMPUTER | OWNER SUPPLIED & INSTALLED |
| 13 | FRIDGE | OWNER SUPPLIED & INSTALLED |
| 14 | MED CART | OWNER SUPPLIED & INSTALLED |
| 15 | BLANKET WARMER | OWNER SUPPLIED & INSTALLED |
| 16 | TOWEL HOOK | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 17 | BASIS OF DESIGN: APOLLO SPA TUB W/ RESEVOIR | OWNER SUPPLIED, CONTRACTOR INSTALLED |
| 18 | CEILING MOUNTED TRACK AND CUBICLE CURTAIN, CC1 | BY DIV 10 44 16, CONTRACTOR SUPPLIED & INSTALLED |
| 19 | DECORATIVE SPA MIRROR | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 20 | COFFEE MAKER | EXISTING TO BE SALVAGED AND REINSTALLED |
| 21 | SWING UP GRAB BARS | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 22 | GRAB BARS | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 23 | TOWEL BAR | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |

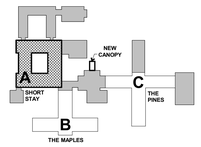
# Nelson Care Center Renovation

420 12th Ave E,
Alexandria, MN 56308

246040


**Vivie**
2209 Jefferson St. Suite 201
Alexandria, MN 56308

**WOLD ARCHITECTS AND ENGINEERS**
50 South 6th Street, Suite 2250
Minneapolis, Minnesota 55402
woldae.com | 612 772 9025


## KEY PLAN

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**

**Sara Malin**
License Number: **40063** Date: **08/29/2025**

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **ADDENDUM #2** | **9/11/2025** | **1** |

Comm: **246040**
Date: **08/29/2025**
Drawn: **JDV/ CN**
Check: **EN**
North

# FIRST FLOOR PLAN - AREA A - SHORT STAY

Scale: **As Indicated**

**100% CD SET**

# A2.00a

**MN**

## DOOR / OPENING SCHEDULE - AREA B

| DOOR NO | ROOM | DOOR / OPENING | | | | | LABEL/ RATING | OVERALL WIDTH | FRAME | | HDW GRP | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TYPE | QTY | WIDTH | HEIGHT | MATL | | | TYPE | MATL | | |
| B100 | VESTIBULE | AL | 1 | 4'-0" | 6'-8" | AL | -- | 4'-4" | SF 1 | AL | 01 | |
| B100A | VESTIBULE | AL | 1 | 4'-0" | 6'-8" | AL | -- | 4'-4" | SF 1 | AL | 05 | |
| B101 | CORRIDOR | N | 2 | 3'-6" | 6'-8" | WD | SB - 20 MIN | 7'-4" | FR 3 | HM | 39 | 1 HOUR SMOKE BARRIER, PROVIDE DP1 & DP2 (BOTH PANELS) |
| B102 | STORAGE | F | 1 | 3'-6" | 6'-8" | WD | FB - 45 MIN | 3'-10" | FR 1 | HM | 29 | 1 HOUR FIRE BARRIER, PROVIDE DP1 & DP2 |
| B103 | SOILED UTILITY | F | 1 | 3'-0" | 6'-8" | WD | FB - 45 MIN | 3'-4" | FR 1 | HM | 37 | 1 HOUR FIRE BARRIER, PROVIDE DP1 & DP2 |
| B104 | RESIDENT ROOM | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B104A | RESIDENT ROOM | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| B105 | RESIDENT ROOM | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B105A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| B106 | RESIDENT ROOM | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B106A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| B107 | RESIDENT ROOM | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B107B | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| B108 | RESIDENT ROOM | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B108A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| B109 | RESIDENT ROOM | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B109A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| B110 | RESIDENT ROOM | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B110A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| B111 | RESIDENT ROOM | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B111A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| B112 | RESIDENT ROOM | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B112A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| B113 | MECH | F | 1 | 4'-0" | 6'-8" | WD | FB - 45 MIN | 4'-4" | FR 1 | HM | 32 | 1 HOUR FIRE BARRIER |
| B114 | STAFF TOILET | F | 1 | 3'-0" | 6'-8" | WD | | 3'-4" | FR 1 | HM | 23 | |
| B115 | CORRIDOR | F | 1 | 3'-8" | 6'-8" | WD | FB - 45 MIN | 4'-0" | FR 1 | HM | 29 | 1 HOUR FIRE BARRIER, PROVIDE DP1 & DP2 |
| B116 | STORAGE | F | 1 | 3'-0" | 6'-8" | WD | SB - 20 MIN | 3'-4" | FR 1 | HM | 28 | 1 HOUR SMOKE BARRIER, PROVIDE DP1 & DP2 |
| B117 | SPA | F | 1 | 4'-0" | 6'-8" | WD | | 4'-4" | FR 1 | HM | 23 | PROVIDE DP1 & DP2 |
| B118 | BARIATRIC RESIDENT ROOM | F | 2 | 4'-0" | 7'-0" | WD | | 6'-4" | FR 1 | HM | 12 | PROVIDE DP1 & DP2 (BOTH PANELS) |
| B118A | BARIATRIC TOILET | F | 1 | 3'-10" | 7'-0" | | -- | 7'-10" | FR 2 | HM | 21 | |
| B119 | RESIDENT ROOM | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B119A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| B120 | RESIDENT ROOM | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B120A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| B122 | RESIDENT ROOM | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B122A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| B123 | TOILET | F | 1 | 3'-0" | 6'-8" | WD | | 3'-4" | FR 1 | HM | 23 | |
| B124 | SPRINKLER/ HSKP | F | 1 | 3'-0" | 6'-8" | WD | | 3'-4" | FR 1 | HM | 34 | |
| B125 | RESIDENT ROOM | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B125A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| B126 | RESIDENT ROOM | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B126A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| B127 | RESIDENT ROOM | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B127A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| B128 | RESIDENT ROOM | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B128A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| B129 | CORRIDOR | N | 2 | 3'-8" | 7'-0" | WD | SB - 20 MIN | 7'-8" | FR 1 | HM | | 1 HOUR SMOKE BARRIER, PROVIDE DP1 & DP2 (BOTH PANELS) |
| B130 | CORRIDOR | F | 1 | 3'-0" | 6'-8" | WD | FB - 45 MIN | 3'-4" | FR 1 | HM | 38 | 1 HOUR FIRE BARRIER |
| B131 | SOILED UTILITY | F | 1 | 3'-0" | 6'-8" | WD | FB - 45 MIN | 3'-4" | FR 1 | HM | 37 | 1 HOUR FIRE BARRIER, PROVIDE DP1 & DP2 |
| B133 | DATA | F | 1 | 3'-0" | 6'-8" | WD | SP - 0 MIN | 3'-4" | FR 1 | HM | 33 | |
| B134 | CLEAN UTILITY | F | 1 | 3'-0" | 6'-8" | WD | SP - 0 MIN | 3'-4" | FR 1 | HM | 16 | |
| B135 | NURSE STATION | FG | 1 | 3'-6" | 6'-8" | WD | -- | 3'-10" | FR 1 | HM | 29 | PROVIDE DP1 & DP2 |
| B135AL | NURSE STATION | -- | -- | 5'-10" | 4'-6" | -- | -- | 5'-10" | FR 6 | HM | -- | BORROWED LITE |
| B135BL | NURSE STATION | -- | -- | 5'-10" | 4'-6" | -- | -- | 5'-10" | FR 6 | HM | -- | BORROWED LITE |
| B136 | OFFICE | F | 1 | 3'-0" | 7'-0" | WD | -- | 3'-4" | FR 1 | HM | 25 | |
| B137 | MEDS | F | 1 | 3'-0" | 6'-8" | WD | -- | 3'-4" | FR 1 | HM | 36 | |
| B138 | STAIRS | F | 1 | 2'-6" | 7'-0" | WD | FB - 45 MIN | 2'-10" | FR 1 | HM | 38 | 1 HOUR FIRE BARRIER |
| B141 | OFFICE | F | 1 | 3'-0" | 6'-8" | WD | -- | 3'-4" | FR 1 | HM | 25 | |
| B142 | ACTIVITIES | F | 1 | 3'-8" | 6'-8" | WD | SB - 20 MIN | 4'-0" | FR 1 | HM | 15 | 1 HOUR SMOKE BARRIER, PROVIDE DP1 & DP2 |
| B143 | CORRIDOR | N | 2 | 3'-6" | 6'-8" | WD | SB - 20 MIN | 7'-4" | FR 3 | HM | 39 | 1 HOUR SMOKE BARRIER, PROVIDE DP1 & DP2 (BOTH PANELS) |
| B144 | RESIDENT ROOM | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B144A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| B146 | RESIDENT ROOM | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B146A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| B147 | RESIDENT ROOM | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B147A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| B149 | RESIDENT ROOM | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B149A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| B150 | RESIDENT ROOM | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B150A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| B151 | RESIDENT ROOM | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B151A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | -- | 7'-10" | FR 2 | HM | 21 | |
| B152 | CARE SUITE LIVING | F | 1 | 4'-0" | 6'-8" | WD | | 4'-4" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B152A | CARE SUITE BED | F | 1 | 4'-0" | 6'-8" | WD | | 4'-4" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| B152B | TOILET | F | 1 | 3'-10" | 7'-0" | | -- | 7'-10" | FR 2 | HM | 21 | |
| B153 | STORAGE | F | 1 | 3'-8" | 6'-8" | WD | FB - 45 MIN | 4'-0" | FR 1 | HM | 29 | 1 HOUR FIRE BARRIER, PROVIDE DP1 & DP2 |
| B154 | LOUNGE | -- | 1 | 4'-0" | 6'-8" | -- | -- | 4'-4" | FR 1 | HM | -- | FRAME ONLY |
| B155 | LIFE ENHNCMT OFFICE | F | 1 | 4'-0" | 6'-8" | WD | | 4'-4" | FR 1 | HM | 25 | |
| B156 | CARE CONF | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 25 | |
| B157 | VESTIBULE | AL | 1 | 4'-0" | 6'-8" | AL | -- | 4'-4" | SF 1 | AL | 05 | |
| B157A | VESTIBULE | AL | 1 | 3'-8" | 6'-8" | AL | -- | 4'-0" | FR 1 | AL | 06 | |

## ACCESSORY/EQUIPMENT SCHEDULE

| Type Mark | Description | Provided By |
|---|---|---|
| 01 | WALL MOUNTED SOAP DISPENSER, COORD LOCATION W/ OWNER | OWNER SUPPLIED, CONTRACTOR INSTALLED |
| 02 | WALL MOUNTED PAPER TOWEL DISPENSER, COORD LOCATION W/ OWNER | OWNER SUPPLIED, CONTRACTOR INSTALLED |
| 03 | DECORATIVE WOOD MIRROR, BASIS OF DESIGN: 36" X 36" SIGNATURE HARDWARE BURFIELD BAMBOO | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 04 | MICROWAVE | OWNER SUPPLIED & INSTALLED |
| 05 | UNDER COUNTER FRIDGE | OWNER SUPPLIED & INSTALLED |
| 06 | WALL MOUNTED TELEVISION, BLOCKING BY CONTRACTOR, COORD LOCATION W/ OWNER | OWNER SUPPLIED & INSTALLED |
| 07 | ROLL-UP WHEELCHAIR SCALE | OWNER SUPPLIED & INSTALLED |
| 08 | BASIS OF DESIGN: APOLLO SPA TUB W/ RESEVOIR | OWNER SUPPLIED, CONTRACTOR INSTALLED |
| 09 | SST FRAMED WALL MOUNTED MIRROR | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 10 | CEILING MOUNTED TRACK AND CUBICLE CURTAIN, CC1 | BY DIV 10 44 16, CONTRACTOR SUPPLIED & INSTALLED |
| 11 | PRINTER | OWNER SUPPLIED & INSTALLED |
| 12 | COMPUTER | OWNER SUPPLIED & INSTALLED |
| 13 | FRIDGE | OWNER SUPPLIED & INSTALLED |
| 14 | MED CART | OWNER SUPPLIED & INSTALLED |
| 15 | BLANKET WARMER | OWNER SUPPLIED & INSTALLED |
| 16 | TOWEL HOOK | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 17 | BASIS OF DESIGN: APOLLO SPA TUB W/ RESEVOIR | OWNER SUPPLIED, CONTRACTOR INSTALLED |
| 18 | CEILING MOUNTED TRACK AND CUBICLE CURTAIN, CC1 | BY DIV 10 44 16, CONTRACTOR SUPPLIED & INSTALLED |
| 19 | DECORATIVE SPA MIRROR | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 20 | COFFEE MAKER | EXISTING TO BE SALVAGED AND REINSTALLED |
| 21 | SWING UP GRAB BARS | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 22 | GRAB BARS | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 23 | TOWEL BAR | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |

## FLOOR PLAN GENERAL NOTES

OUT OF SCOPE — RECESSED SLAB FOR SHOWER

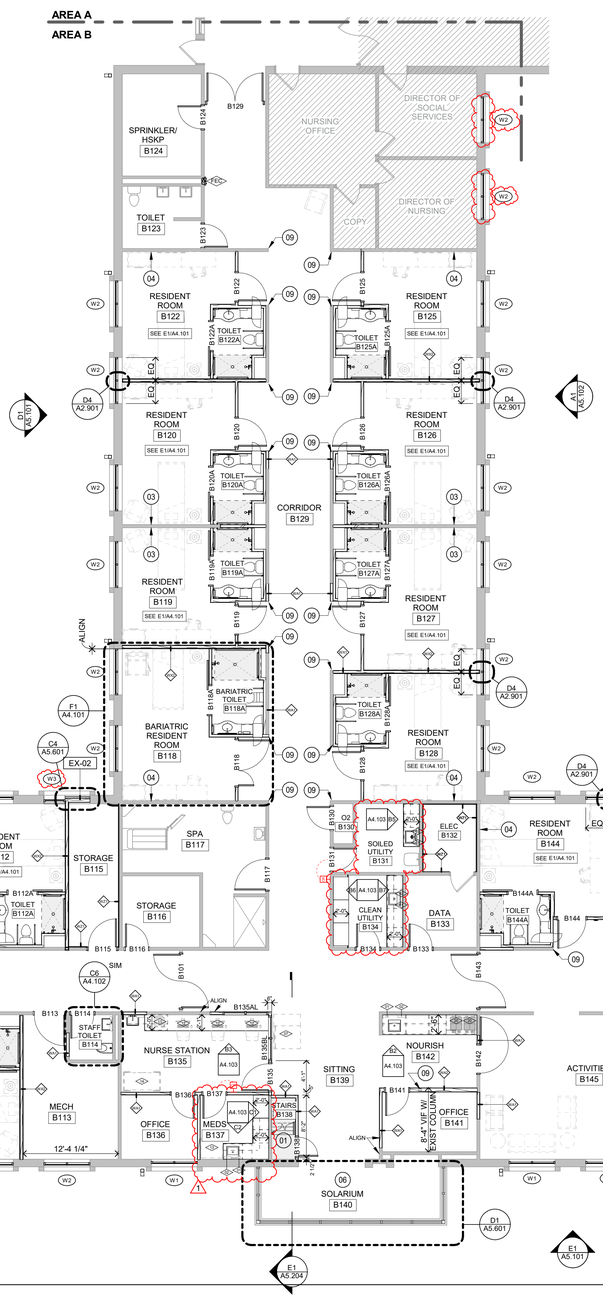
1. FIELD VERIFY ALL MILLWORK OPENINGS.
2. REFER TO SHEET A0.001 FOR ABBREVIATIONS & SYMBOLS.
3. REFER TO SHEET A4.00a FOR MATERIAL FINISH/COLOR SCHEDULE & INTERIOR SPECIFICATIONS.
4. ALL PLAN DIMENSIONS ARE TO FACE OF WALL, SEE WALL TYPES FOR ACTUAL THICKNESS. VERIFY DIMENSIONS WITH STRUCTURAL.
5. ALL DOOR/ SIDELITE OPENINGS TO BE 4" FROM ADJACENT WALL UNLESS OTHERWISE NOTED.
6. COORDINATE SIZE AND LOCATION OF ALL DUCT AND SHAFT OPENINGS IN WALLS AND FLOORS W/ MECHANICAL AND ELECTRICAL.
7. IN AREAS OF CONSTRUCTION, FIRESAFE ALL EXISTING AND NEW WALL PENETRATIONS.
8. AT EXISTING SURFACES AFFECTED BY DEMOLITION AND NEW WORK, PATCH / RESTORE EXISTING FINISHES AS REQUIRED FOR NEW FINISH, AND REQUIRED FIRE AND SMOKE ASSEMBLIES.
9. SUBCONTRACTORS FOR EACH TRADE ARE ADVISED THAT INFORMATION PERTINENT TO THEIR WORK MAY OCCUR IN OTHER PORTIONS OF THE CONTRACT DOCUMENTS. ALL NOTES ARE TO BE REVIEWED AND APPLIED TO RELATED BUILDING COMPONENTS.
10. MATCH FINISHED WALL THICKNESS WHERE NEW WALLS OCCUR IN LINE WITH EXISTING WALLS.
11. PATCH ALL HOLES IN EXISTING SURFACES AND WHERE EQUIPMENT HAS BEEN REMOVED OR DEMOLITION HAS OCCURRED AND PREPARE WALL SURFACES (PATCH, SKIM COAT, ETC…) AS REQUIRED IN PREPARATION FOR NEW FINISHES SCHEDULED. PATCH TO MATCH ADJACENT SURFACES IF NOT SCHEDULED. EACH SIDE OF WALL, COORDINATE EXTENTS WITH ARCHITECTURAL DEMOLITION PLANS, AND PLUMBING, MECHANICAL AND ELECTRICAL DEMOLITION AND NEW WORK PLANS.
12. ALL CUTTING AND PATCHING REQUIRED FOR NEW MECHANICAL AND ELECTRICAL WORK IN EXISTING SPACES SHALL BE BY THE RESPECTIVE CONTRACTORS.
13. FIELD VERIFY ALL DIMENSIONS AND AS-BUILT EXISTING CONDITIONS. NOTIFY THE ARCHITECTS IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES OCCUR BEFORE AND/OR DURING CONSTRUCTION.
14. DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR TO VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO COMMENCING THE WORK.
15. ALL EXISTING FLOOR AND WALL OPENINGS AND DEPRESSIONS NOT USED IN THE NEW WORK SHALL BE FILLED OR CLOSED WITH MATERIALS TO MEET REQUIRED FIRE RATINGS AND MATCH ADJACENT FINISHES.
16. CROSS REFERENCES SHOWN ON DRAWINGS DO NOT NECESSARILY INDICATE ALL LIKE CONDITIONS AND DO NOT LIMIT APPLICATION OF ANY DRAWING OR DETAIL. WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT PRIOR TO PROCEEDING WITH WORK
17. SEAL ALL COUNTERTOPS, BACKSPLASHES AND CABINETS AT LOCATIONS WHERE THEY MEET WALLS. SEAL ALL CUT-OUTS IN COUNTERTOPS.
18. ERECT DUSTPROOF PARTITIONS AS REQUIRED BY OWNER TO PROTECT ADJACENT AREAS.
19. ALL PIPING, CONDUITS, AND RELATED MECHANICAL AND ELECTRICAL ITEMS SHALL BE CONCEALED WITH DRYWALL AND/OR PLASTER FURRING AS REQUIRED IN FINISHED AREAS WHETHER SHOWN ON DRAWINGS OR NOT UNLESS NOTED OTHERWISE.
20. SEAL AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT PENETRATIONS AT RATED WALLS ABOVE AND BELOW CEILINGS WITH UL APPROVED FIRESTOPPING MATERIAL.
21. IT IS THE CONTRACTORS' RESPONSIBILITY TO REVIEW ALL SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND OTHER SUBMITTALS PRIOR TO SUBMISSION TO THE ARCHITECT. NOTIFY THE ARCHITECT IN WRITING OF SUBMITTAL OF ANY DEVIATIONS IN SUBMITTALS FROM REQUIREMENTS OF CONSTRUCTION DOCUMENTS.
22. CONTRACTOR IS RESPONSIBLE TO VERIFY FOR FIELD DIMENSIONS AND EXISTING CONDITIONS, FIELD CONSTRUCTION CRITERIA, CATALOG MODEL NUMBERS AND SIMILAR DATA CONFORMANCE WITH CONSTRUCTION DOCUMENTS AND COORDINATION WITH OTHER WORK
23. FIELD VERIFY ALL COLUMNS, REFER TO ARCHITECTURAL DRAWINGS FOR COLUMN WRAPS.
24. FLOOR PLAN KEY NOTES WITHOUT ARROWS INDICATE THAT THE NOTE APPLIES TO THE ENTIRE ROOM.
25. SEE STRUCTURAL PLANS FOR SHEAR WALL LOCATIONS. COORDINATE SHEATHING REQUIREMENTS, BLOCKING, FASTENERS, ANCHORS, ETC. WITH STRUCTURAL PLANS & SCHEDULES FOR SHEAR WALLS.

## FLOOR PLAN KEY NOTES:

01 STEEL SHIPS LADDER TO PENTHOUSE ABOVE.
02 AT SHADED AREA, RECESS SLAB 1" FOR SHOWER.
03 PROVIDE NEW SECOND LAYER OF 5/8" GYP BD ON EXISTING WALL.
04 PROVIDE LAYER OF 1/2" RESILIENT CHANNEL AND OUTSIDE LAYER OF 5/8" GYP BD TO RESIDENT ROOM SIDE OF EXISTING STUD FRAMING FOR NEW UL U305 ASSEMBLY
05 EVS MOP SINK AND SHIELD. INSTALL PER DETAIL F2/A4.711
06 INFILL CONCRETE FLOOR SLAB AT REMOVAL OF BRICK FLOORING. POUR, DOWEL (IF REQUIRED), LEVEL, AND FEATHER INTO EXISTING SLAB.
07 ADD GYPSUM BOARD AND FURRING TO EXISTING WALL AS REQUIRED FOR FLUSH WALL FINISH
08 REINSTALL EXISTING SIGNAGE AFTER PAINTING.
09 PROVIDE 1 HOUR RATED ENCLOSURE AT EXISTING STRUCTURAL COLUMN IN WALL PER DETAIL A7/A4.701
10 PROVIDE RECESSED FLOOR MOUNTED ACCESS PANEL. SIZE TO MATCH EXISTING OPENING. VIF.




D6 AREA B - SLAB PATCHING KEY PLAN
1" = 30'-0"
0 22'-6" 45'




F1 FIRST FLOOR PLAN - AREA B
1/8" = 1'-0"
0 6 12

100% CD SET

Autodesk Docs://220000 - Nelson Care Center Renovation/Wold - Nelson Care Center_BaseBIM.rvt
Central: https://wold.autodesk360.com/g/projects/2020-Young Home Memorial Auditorium/Project_AEC/Architecture
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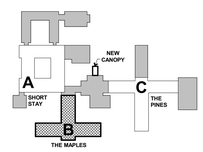
# Nelson Care Center Renovation

420 12th Ave E,
Alexandria, MN 56308

246040

**Vivie**
2209 Jefferson St. Suite 201
Alexandria, MN 56308

**WOLD ARCHITECTS AND ENGINEERS**
50 South 6th Street, Suite 2250
Minneapolis, Minnesota 55402
woldae.com | 612 772 9025




## KEY PLAN

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

Sara Malin
License Number: 40063 Date 08/29/2025

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| ADDENDUM #2 | 9/11/2025 | 1 |

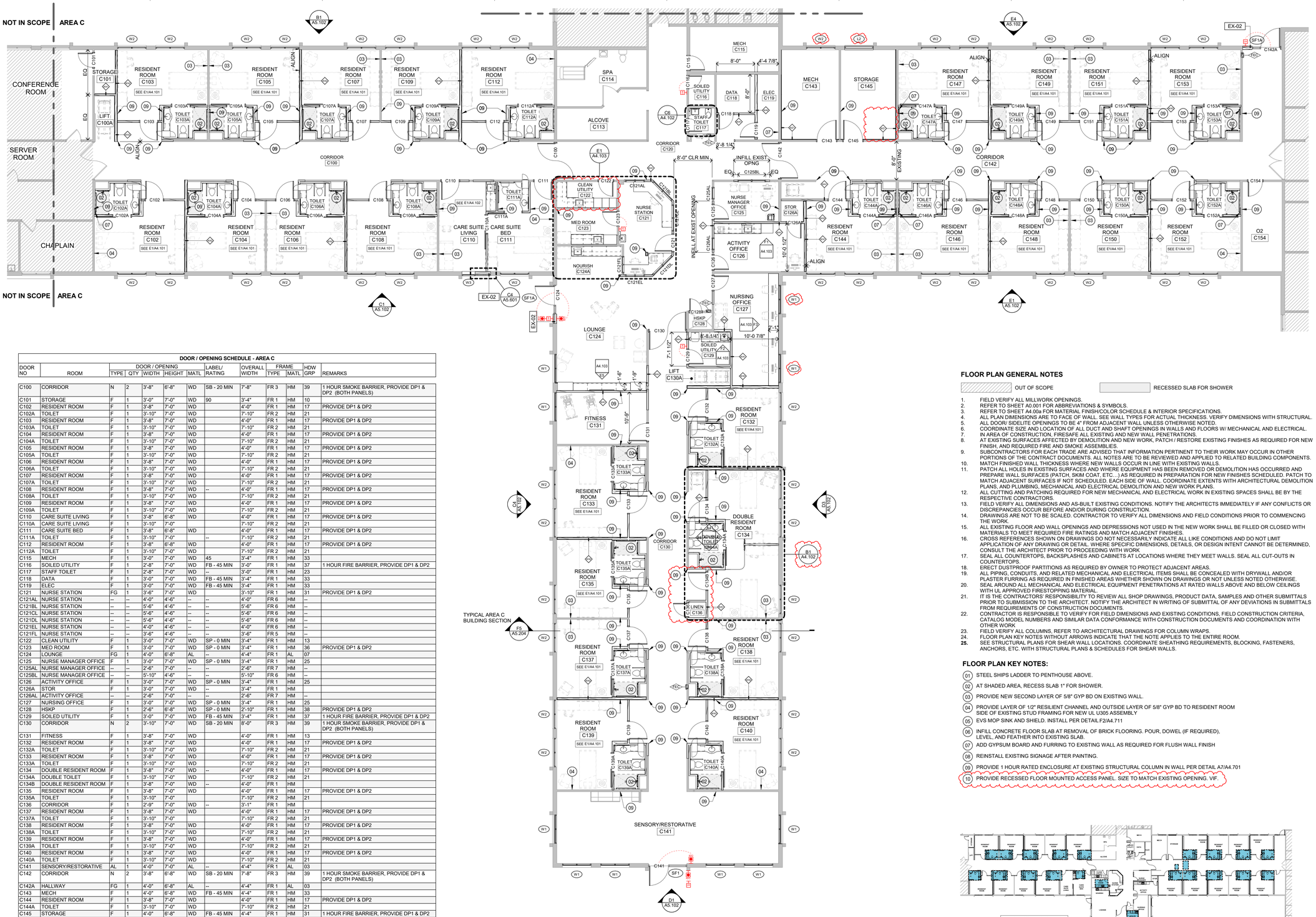
Comm: 246040
Date: 08/29/2025
Drawn: JDV/ CN
Check: EN
North

Scale: As indicated

# A2.00b

MN

A




| DOOR NO | ROOM | DOOR / OPENING TYPE | QTY | WIDTH | HEIGHT | MATL | LABEL/ RATING | OVERALL WIDTH | FRAME TYPE | FRAME MATL | HDW GRP | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **DOOR / OPENING SCHEDULE - AREA C** | | | | | | | | | | | | |
| C100 | CORRIDOR | N | 2 | 3'-8" | 6'-8" | WD | SB - 20 MIN | 7'-8" | FR 3 | HM | 39 | 1 HOUR SMOKE BARRIER, PROVIDE DP1 & DP2 (BOTH PANELS) |
| C101 | STORAGE | F | 1 | 3'-0" | 7'-0" | WD | 90 | 3'-4" | FR 1 | HM | 10 | |
| C102 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C102A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C103 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C103A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C104 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C104A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C105 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C105A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C106 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C106A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C107 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C107A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C108 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | -- | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C108A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C109 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C109A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C110 | CARE SUITE LIVING | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C110A | CARE SUITE LIVING | F | 1 | 3'-10" | 7'-0" | | | 7'-10" | FR 2 | HM | 21 | |
| C111 | CARE SUITE BED | F | 1 | 3'-8" | 6'-8" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C111A | TOILET | F | 1 | 3'-10" | 7'-0" | | -- | 7'-10" | FR 2 | HM | 21 | |
| C112 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C112A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C115 | MECH | F | 1 | 3'-0" | 7'-0" | WD | 45 | 3'-4" | FR 1 | HM | 33 | |
| C116 | SOILED UTILITY | F | 1 | 2'-8" | 7'-0" | WD | FB - 45 MIN | 3'-0" | FR 1 | HM | 37 | 1 HOUR FIRE BARRIER, PROVIDE DP1 & DP2 |
| C117 | STAFF TOILET | F | 1 | 2'-8" | 7'-0" | WD | -- | 3'-0" | FR 1 | HM | 23 | |
| C118 | DATA | F | 1 | 3'-0" | 7'-0" | WD | FB - 45 MIN | 3'-4" | FR 1 | HM | 33 | |
| C119 | ELEC | F | 1 | 3'-0" | 7'-0" | WD | FB - 45 MIN | 3'-4" | FR 1 | HM | 33 | |
| C121 | NURSE STATION | FG | 1 | 3'-6" | 7'-0" | WD | | 3'-10" | FR 1 | HM | 31 | PROVIDE DP1 & DP2 |
| C121AL | NURSE STATION | -- | -- | 4'-0" | 4'-6" | -- | -- | 4'-0" | FR 6 | HM | -- | |
| C121BL | NURSE STATION | -- | -- | 5'-6" | 4'-6" | -- | -- | 5'-6" | FR 6 | HM | -- | |
| C121CL | NURSE STATION | -- | -- | 5'-6" | 4'-6" | -- | -- | 5'-6" | FR 6 | HM | -- | |
| C121DL | NURSE STATION | -- | -- | 5'-6" | 4'-6" | -- | -- | 5'-6" | FR 6 | HM | -- | |
| C121EL | NURSE STATION | -- | -- | 4'-0" | 4'-6" | -- | -- | 4'-0" | FR 6 | HM | -- | |
| C121FL | NURSE STATION | -- | -- | 3'-6" | 4'-6" | -- | -- | 3'-6" | FR 5 | HM | -- | |
| C122 | CLEAN UTILITY | F | 1 | 3'-0" | 7'-0" | WD | SP - 0 MIN | 3'-4" | FR 1 | HM | 13 | |
| C123 | MED ROOM | F | 1 | 3'-0" | 7'-0" | WD | SP - 0 MIN | 3'-4" | FR 1 | HM | 36 | PROVIDE DP1 & DP2 |
| C124 | LOUNGE | FG | 1 | 4'-0" | 6'-8" | AL | -- | 4'-4" | FR 1 | AL | 07 | |
| C125 | NURSE MANAGER OFFICE | F | 1 | 3'-0" | 7'-0" | WD | SP - 0 MIN | 3'-4" | FR 1 | HM | 25 | |
| C125AL | NURSE MANAGER OFFICE | -- | -- | 2'-6" | 7'-0" | -- | -- | 2'-6" | FR 7 | HM | -- | |
| C125BL | NURSE MANAGER OFFICE | -- | -- | 5'-10" | 4'-6" | -- | -- | 5'-10" | FR 6 | HM | -- | |
| C126 | ACTIVITY OFFICE | F | 1 | 3'-0" | 7'-0" | WD | SP - 0 MIN | 3'-4" | FR 1 | HM | 25 | |
| C126A | STOR | F | 1 | 3'-0" | 7'-0" | WD | -- | 3'-4" | FR 1 | HM | | |
| C126AL | ACTIVITY OFFICE | -- | -- | 2'-6" | 7'-0" | -- | -- | 2'-6" | FR 7 | HM | -- | |
| C127 | NURSING OFFICE | F | 1 | 3'-0" | 7'-0" | WD | SP - 0 MIN | 3'-4" | FR 1 | HM | 25 | |
| C128 | HSKP | F | 1 | 2'-6" | 6'-8" | WD | SP - 0 MIN | 2'-10" | FR 1 | HM | 38 | PROVIDE DP1 & DP2 |
| C129 | SOILED UTILITY | F | 1 | 3'-0" | 7'-0" | WD | FB - 45 MIN | 3'-4" | FR 1 | HM | 37 | 1 HOUR FIRE BARRIER, PROVIDE DP1 & DP2 |
| C130 | CORRIDOR | N | 2 | 3'-10" | 7'-0" | WD | SB - 20 MIN | 8'-0" | FR 3 | HM | 39 | 1 HOUR SMOKE BARRIER, PROVIDE DP1 & DP2 (BOTH PANELS) |
| C131 | FITNESS | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 13 | |
| C132 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C132A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C133 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C133A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C134 | DOUBLE RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | -- | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C134A | DOUBLE TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C134B | DOUBLE RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | -- | 4'-0" | FR 1 | HM | | |
| C135 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C135A | TOILET | F | 1 | 3'-10" | 7'-0" | | | 7'-10" | FR 2 | HM | 21 | |
| C136 | CORRIDOR | F | 1 | 2'-9" | 7'-0" | WD | -- | 3'-1" | FR 1 | HM | | |
| C137 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C137A | TOILET | F | 1 | 3'-10" | 7'-0" | | | 7'-10" | FR 2 | HM | 21 | |
| C138 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C138A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C139 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C139A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C140 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C140A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C141 | SENSORY/RESTORATIVE | AL | 1 | 4'-0" | 7'-0" | AL | -- | 4'-4" | FR 1 | AL | 03 | |
| C142 | CORRIDOR | N | 2 | 3'-8" | 6'-8" | WD | SB - 20 MIN | 7'-8" | FR 3 | HM | 39 | 1 HOUR SMOKE BARRIER, PROVIDE DP1 & DP2 (BOTH PANELS) |
| C142A | HALLWAY | FG | 1 | 4'-0" | 6'-8" | AL | -- | 4'-4" | FR 1 | AL | 03 | |
| C143 | MECH | F | 1 | 4'-0" | 6'-8" | WD | FB - 45 MIN | 4'-4" | FR 1 | HM | 33 | |
| C144 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C144A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C145 | STORAGE | F | 1 | 4'-0" | 6'-8" | WD | FB - 45 MIN | 4'-4" | FR 1 | HM | 31 | 1 HOUR FIRE BARRIER, PROVIDE DP1 & DP2 |
| C146 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C146A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C147 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C147A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C148 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C148A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C149 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C149A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C150 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C150A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C151 | CORRIDOR | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C151A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C152 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C152A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C153 | RESIDENT ROOM | F | 1 | 3'-8" | 7'-0" | WD | | 4'-0" | FR 1 | HM | 17 | PROVIDE DP1 & DP2 |
| C153A | TOILET | F | 1 | 3'-10" | 7'-0" | WD | | 7'-10" | FR 2 | HM | 21 | |
| C154 | O2 | F | 1 | 3'-0" | 6'-8" | WD | 45 | 3'-4" | FR 1 | HM | 33 | |
| C155 | | F | 1 | 3'-8" | 7'-0" | HM | -- | 4'-0" | FR 1 | HM | | |




## F4 FIRST FLOOR PLAN - AREA C

1/8" = 1'-0"

0 6' 12'

| ACCESSORY/EQUIPMENT SCHEDULE | | |
|---|---|---|
| Type Mark | Description | Provided By |
| 01 | WALL MOUNTED SOAP DISPENSER, COORD LOCATION W/ OWNER | OWNER SUPPLIED, CONTRACTOR INSTALLED |
| 02 | WALL MOUNTED PAPER TOWEL DISPENSER, COORD LOCATION W/ OWNER | OWNER SUPPLIED, CONTRACTOR INSTALLED |
| 03 | DECORATIVE WOOD MIRROR, BASIS OF DESIGN: 24" X 24" SIGNATURE HARDWARE BURFIELD BAMBOO | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 04 | MICROWAVE | OWNER SUPPLIED & INSTALLED |
| 05 | UNDER COUNTER FRIDGE | OWNER SUPPLIED & INSTALLED |
| 06 | WALL MOUNTED TELEVISION, BLOCKING BY CONTRACTOR, COORD LOCATION W/ OWNER | OWNER SUPPLIED & INSTALLED |
| 07 | ROLL-UP WHEELCHAIR SCALE | OWNER SUPPLIED & INSTALLED |
| 08 | BASIS OF DESIGN: APOLLO SPA TUB W/ RESEVOIR | OWNER SUPPLIED, CONTRACTOR INSTALLED |
| 09 | SST FRAMED WALL MOUNTED MIRROR | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 10 | CEILING MOUNTED TRACK AND CUBICLE CURTAIN, CC1 | BY DIV 10 44 16, CONTRACTOR SUPPLIED & INSTALLED |
| 11 | PRINTER | OWNER SUPPLIED & INSTALLED |
| 12 | COMPUTER | OWNER SUPPLIED & INSTALLED |
| 13 | FRIDGE | OWNER SUPPLIED & INSTALLED |
| 14 | MED CART | OWNER SUPPLIED & INSTALLED |
| 15 | BLANKET WARMER | OWNER SUPPLIED & INSTALLED |
| 16 | TOWEL HOOK | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 17 | BASIS OF DESIGN: APOLLO SPA TUB W/ RESEVOIR | OWNER SUPPLIED, CONTRACTOR INSTALLED |
| 18 | CEILING MOUNTED TRACK AND CUBICLE CURTAIN, CC1 | BY DIV 10 44 16, CONTRACTOR SUPPLIED & INSTALLED |
| 19 | DECORATIVE SPA MIRROR | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 20 | COFFEE MAKER | EXISTING TO BE SALVAGED AND REINSTALLED |
| 21 | SWING UP GRAB BARS | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 22 | GRAB BARS | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 23 | TOWEL BAR | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |

### FLOOR PLAN GENERAL NOTES

OUT OF SCOPE — RECESSED SLAB FOR SHOWER

1. FIELD VERIFY ALL MILLWORK OPENINGS.
2. REFER TO SHEET A0.001 FOR ABBREVIATIONS & SYMBOLS.
3. REFER TO SHEET A4.00a FOR MATERIAL FINISH/COLOR SCHEDULE & INTERIOR SPECIFICATIONS.
4. ALL PLAN DIMENSIONS ARE TO FACE OF WALL. SEE WALL TYPES FOR ACTUAL THICKNESS. VERIFY DIMENSIONS WITH STRUCTURAL.
5. ALL DOOR/ SIDELITE OPENINGS TO BE 4" FROM ADJACENT WALL UNLESS OTHERWISE NOTED.
6. COORDINATE SIZE AND LOCATION OF ALL DUCT AND SHAFT OPENINGS IN WALLS AND FLOORS W/ MECHANICAL AND ELECTRICAL.
7. IN AREA OF CONSTRUCTION, FIRESAFE ALL EXISTING AND NEW WALL PENETRATIONS.
8. AT EXISTING SURFACES AFFECTED BY DEMOLITION AND NEW WORK, PATCH / RESTORE EXISTING FINISHES AS REQUIRED FOR NEW FINISH, AND REQUIRED FIRE AND SMOKE ASSEMBLIES.
9. SUBCONTRACTORS FOR EACH TRADE ARE ADVISED THAT INFORMATION PERTINENT TO THEIR WORK MAY OCCUR IN OTHER PORTIONS OF THE CONTRACT DOCUMENTS. ALL NOTES ARE TO BE REVIEWED AND APPLIED TO RELATED BUILDING COMPONENTS.
10. MATCH FINISHED WALL THICKNESS WHERE NEW WALLS OCCUR IN LINE WITH EXISTING WALLS.
11. PATCH ALL HOLES IN EXISTING SURFACES AND WHERE EQUIPMENT HAS BEEN REMOVED OR DEMOLITION HAS OCCURRED AND PREPARE NEW SURFACES (PATCH, SKIM COAT, ETC. ) AS REQUIRED IN PREPARATION FOR NEW FINISHES SCHEDULED. PATCH TO MATCH ADJACENT SURFACES IF NOT SCHEDULED. EACH SIDE OF WALL. COORDINATE EXTENTS WITH ARCHITECTURAL DEMOLITION PLANS, AND PLUMBING, MECHANICAL AND ELECTRICAL DEMOLITION AND NEW WORK PLANS.
12. ALL CUTTING AND PATCHING REQUIRED FOR NEW MECHANICAL AND ELECTRICAL WORK IN EXISTING SPACES SHALL BE BY THE RESPECTIVE CONTRACTORS.
13. FIELD VERIFY ALL DIMENSIONS AND AS-BUILT EXISTING CONDITIONS. NOTIFY THE ARCHITECTS IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES OCCUR BEFORE AND/OR DURING CONSTRUCTION.
14. DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR TO VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO COMMENCING THE WORK.
15. ALL EXISTING FLOOR AND WALL OPENINGS AND DEPRESSIONS NOT USED IN THE NEW WORK SHALL BE FILLED OR CLOSED WITH MATERIALS TO MEET REQUIRED FIRE RATINGS AND MATCH ADJACENT FINISHES.
16. CROSS REFERENCES SHOWN ON DRAWINGS DO NOT NECESSARILY INDICATE ALL LIKE CONDITIONS AND DO NOT LIMIT APPLICATION OF ANY DRAWING OR DETAIL. WHERE SPECIFIC DIMENSIONS, DETAILS, OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT PRIOR TO PROCEEDING WITH WORK
17. SEAL ALL COUNTERTOPS, BACKSPLASHES AND CABINETS AT LOCATIONS WHERE THEY MEET WALLS. SEAL ALL CUT-OUTS IN COUNTERTOPS.
18. ERECT DUSTPROOF PARTITIONS AS REQUIRED BY OWNER TO PROTECT ADJACENT AREAS.
19. ALL PIPING, CONDUITS, AND RELATED MECHANICAL AND ELECTRICAL ITEMS SHALL BE CONCEALED WITH DRYWALL AND/OR PLASTER FURRING AS REQUIRED IN FINISHED AREAS WHETHER SHOWN ON DRAWINGS OR NOT UNLESS NOTED OTHERWISE.
20. SEAL AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT PENETRATIONS AT RATED WALLS ABOVE AND BELOW CEILINGS WITH UL APPROVED FIRESTOPPING MATERIAL.
21. IT IS THE CONTRACTORS' RESPONSIBILITY TO REVIEW ALL SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND OTHER SUBMITTALS PRIOR TO SUBMISSION TO THE ARCHITECT. NOTIFY THE ARCHITECT IN WRITING OF SUBMITTAL OF ANY DEVIATIONS IN SUBMITTALS FROM REQUIREMENTS OF CONSTRUCTION DOCUMENTS.
22. CONTRACTOR IS RESPONSIBLE TO VERIFY FOR FIELD DIMENSIONS AND EXISTING CONDITIONS, FIELD CONSTRUCTION CRITERIA, CATALOG MODEL NUMBERS AND SIMILAR DATA CONFORMANCE WITH CONSTRUCTION DOCUMENTS AND COORDINATION WITH OTHER WORK
23. FIELD VERIFY ALL COLUMNS, REFER TO ARCHITECTURAL DRAWINGS FOR COLUMN WRAPS.
24. FLOOR PLAN KEY NOTES WITHOUT ARROWS INDICATE THAT THE NOTE APPLIES TO THE ENTIRE ROOM.
25. SEE STRUCTURAL PLANS FOR SHEAR WALL LOCATIONS. COORDINATE SHEATHING REQUIREMENTS, BLOCKING, FASTENERS, ANCHORS, ETC. WITH STRUCTURAL PLANS & SCHEDULES FOR SHEAR WALLS.

### FLOOR PLAN KEY NOTES:

01 STEEL SHIPS LADDER TO PENTHOUSE ABOVE.
02 AT SHADED AREA, RECESS SLAB 1" FOR SHOWER.
03 PROVIDE NEW SECOND LAYER OF 5/8" GYP BD ON EXISTING WALL.
04 PROVIDE LAYER OF 1/2" RESILIENT CHANNEL AND OUTSIDE LAYER OF 5/8" GYP BD TO RESIDENT ROOM SIDE OF EXISTING STUD FRAMING FOR NEW UL U305 ASSEMBLY
05 EVS MOP SINK AND SHIELD. INSTALL PER DETAIL F2/A4.711
06 INFILL CONCRETE FLOOR SLAB AT REMOVAL OF BRICK FLOORING. POUR, DOWEL (IF REQUIRED), LEVEL, AND FEATHER INTO EXISTING SLAB.
07 ADD GYPSUM BOARD AND FURRING TO EXISTING WALL AS REQUIRED FOR FLUSH WALL FINISH
08 REINSTALL EXISTING SIGNAGE AFTER PAINTING.
09 PROVIDE 1 HOUR RATED ENCLOSURE AT EXISTING STRUCTURAL COLUMN IN WALL PER DETAIL A7/A4.701
10 PROVIDE RECESSED FLOOR MOUNTED ACCESS PANEL. SIZE TO MATCH EXISTING OPENING. VIF.




## F6 AREA C - SLAB PATCHING KEY PLAN

1" = 30'-0"

0 22'-6" 45'

100% CD SET


**Nelson Care Center Renovation**

420 12th Ave E,
Alexandria, MN 56308

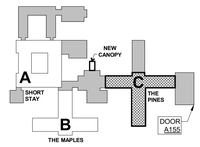
246040

**Vivie**
2209 Jefferson St. Suite 201
Alexandria, MN 56308

**WOLD ARCHITECTS AND ENGINEERS**
50 South 6th Street, Suite 2250
Minneapolis, Minnesota 55402
woldae.com | 612 772 9025


C155

**C8 STAFF AREA DOOR A155**
1/8" = 1'-0"
0 6' 12'




## KEY PLAN

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**

Sara Malin
License Number: **40063** Date: **08/29/2025**

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **ADDENDUM #2** | **9/11/2025** | **1** |

Comm: **246040**
Date: **08/29/2025**
Drawn: **JDV/ CN**
Check: **EN**
North

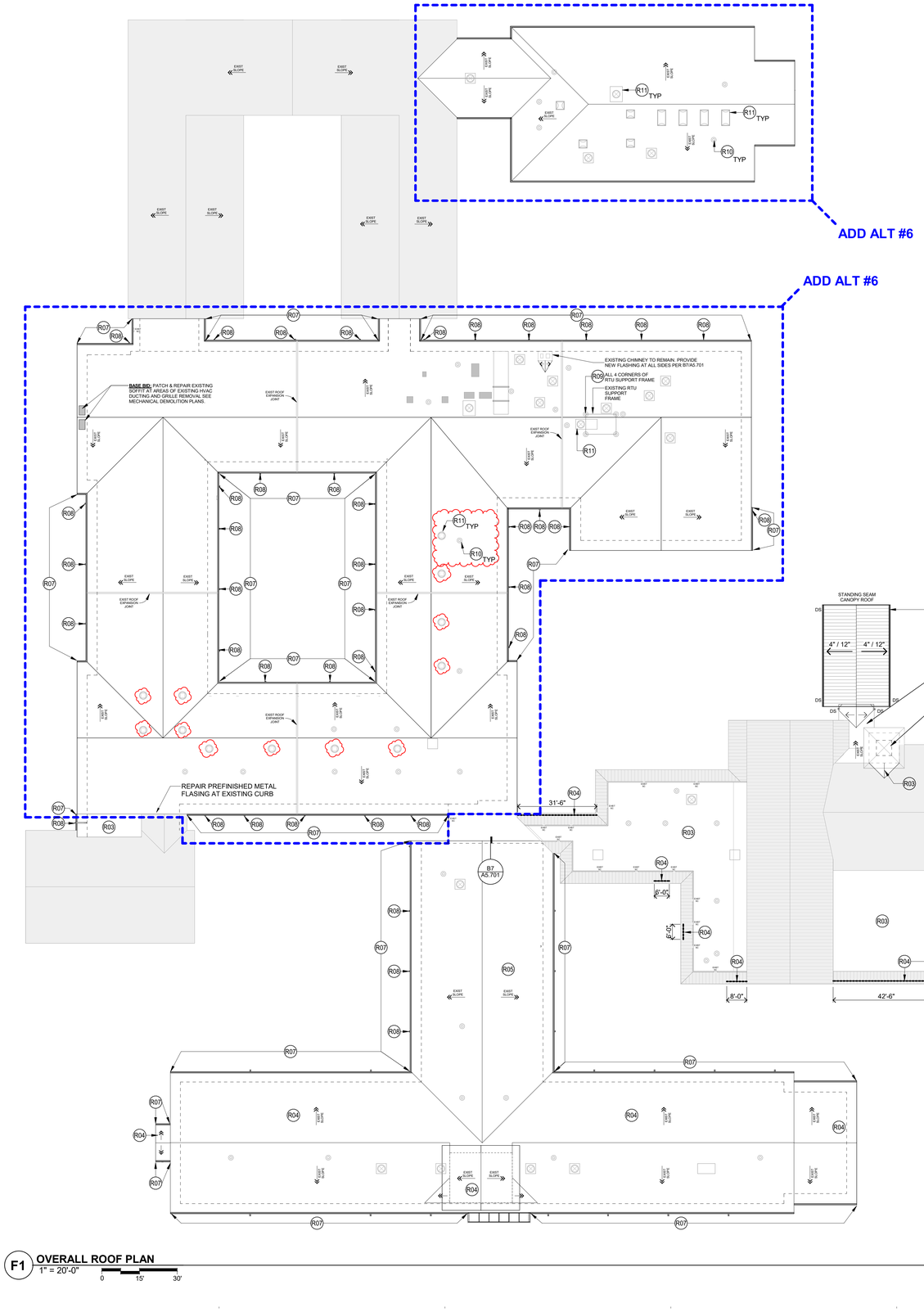
**FIRST FLOOR PLAN - AREA C - PINES**

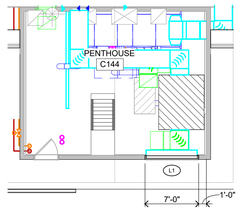
Scale: **As Indicated**

**A2.00c**


Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_Rev2025.rvt
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8/11/2025 3:09:27 PM

# MN




B5 **MAPLES PENTHOUSE**
1/8" = 1'-0"
0 6' 12'

## ROOF LEGEND

- ROOF DRAIN (R.D.)
- OVERFLOW DRAIN (O.R.D.)
- MECH HOOD
- EQUIPMENT CURB AT MECHANICAL EQUIPMENT
- ROOF EXHAUST
- EQUIPMENT CURB SUPPORTING PIPING OR CONDUIT. INSTALL MAXIMUM SPACING OF 6'-0" O.C.
- VENT STACK, PIPE OR CONDUIT
- COMBUSTION STACK
- SKYLIGHT OR SKYLIGHT TUBE
- CRICKET FOR POSITIVE DRAINAGE
- SLOPE OF TAPERED INSULATION
- DIAMOND CRICKET (SEE TYPICAL DETAIL)
- SLOPED STRUCTURE
- SC = SCUPPER
- EXISTING SKYLIGHTS & SKYLIGHT TUBES TO REMAIN.
- EXISTING VENT STACK/MECHANICAL PIPE PENETRATION TO REMAIN.
- EXISTING MECHANICAL ROOF TOP EQUIPMENT TO REMAIN.

## ROOF PLAN GENERAL NOTES

1. TAPERED ROOF INSULATION AND CRICKETS SHALL SLOPE AT 1/4" PER 1'-0". THE THICKNESS OF THE BASE INSULATION IS TO BE 5 1/2".
2. SHOP DRAWING DESIGN AND INSTALLATION OF TAPERED INSULATION MUST ACCOUNT FOR CAMBER IN STRUCTURE TO INSURE THAT THE ROOF DRAINS AS DESIGNED.
3. AT MECH. OPENINGS AND CURBS ON ROOF, PROVIDE CRICKETS AS REQUIRED FOR POSITIVE DRAINAGE OR CUT OPENINGS IN FREE-STANDING CURBS AS AN ALTERNATIVE.
4. MECHANICAL ITEM LOCATIONS ARE SHOWN FOR REFERENCE ONLY. REFER TO MECH. DRAWINGS FOR EXTENT OF MECH. EQUIP. AND SIZE AND LOCATION OF ALL ROOF PENETRATIONS.
5. ALL MECHANICAL AND ELECTRICAL ROOFTOP EQUIPMENT, PIPING, CONDUIT, ETC. TO BE PAINTED.
6. COORDINATE ROOF AND OVERFLOW DRAIN LOCATIONS WITH STRUCTURAL COMPONENTS TO AVOID LOCATING ROOF OR OVERFLOW DRAINS OVER TOP OF BEAMS OR JOISTS.
7. REFER TO EXTERIOR ELEVATIONS FOR LOCATION OF OVERFLOW SCUPPERS AND OUTFLOWS.
8. AT ALL LADDERS, TOP AND BOTTOM, PROVIDE AND INSTALL A 4'-0" X 4'-0" CONCRETE PAVER LANDING ON AN ADDITIONAL LAYER OF ROOFING MATERIAL.
9. ROOF LADDERS WITH NUMBER IN PARENTHESIS INDICATE RELATIVE ROOF DECK ELEVATION DIFFERENCES, NOT INCLUDING PARAPET, VERIFY EXACT LADDER HEIGHT REQUIREMENTS

## ROOF PLAN KEYNOTES

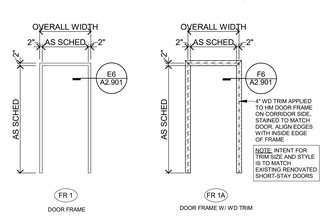
- R01 ADD ALT #6 - NEW EPDM ROOFING, PREFINISHED METAL FASCIA, GUTTERS, AND DOWNSPOUTS. PATCH AND REPAIR EXISTING EXPANSION JOINT COVERS AND CURB FLASHING AS REQ'D FOR NEW ROOFING AND GUTTER INSTALLATION.
- R02 PATCH ROOF AS REQUIRED AFTER THE REMOVAL OF "SPIRE".
- R03 NEW EPDM ROOFING. VERIFY EXISTING SLOPE AND CRICKETS, AND PROVIDE NEW TAPERED INSULATION AS NECESSARY TO CORRECT EXISTING LOW SPOTS AND ENSURE SLOPE TO DRAINS.
- R04 NEW SNOW GUARD PER DIV 07. VERIFY EXTENTS SHOWN ON PLAN EXTEND OVER ANY DOORS BELOW.
- R06 NEW ASPHALT SHINGLE ROOFING, UNDERLAYMENT, ICE/WATER SHIELD, DOWNSPOUTS, GUTTERS, FASCIA, AND FLASHING.
- R06 PATCH ROOF AS REQUIRED TO REMIDIATE DRAINAGE ISSUES.
- R07 6" PREFINISHED ALUMINUM GUTTER PER DIV 07.
- R08 PREFINISHED ALUMINUM DOWNSPOUTS PER DIV 07.
- R09 EXISTING STEEL TUBE PENETRATION TO REMAIN. PROVIDE NEW FLASHING PER DETAIL D5/A5.701
- R10 EXISTING VENT STACK PENETRATION TO REMAIN. FIELD VERIFY QUANITIES, LOCATIONS AND SIZES. PROVIDE NEW FLASHING PER DETAIL F7/A5.701
- R11 EXISTING MECHANICAL EQUIPMENT / SKYLIGHTS AND CURBS TO REMAIN. PROVIDE NEW FLASHING PER DETAIL E2/A5.701

F1 **OVERALL ROOF PLAN**
1" = 20'-0"
0 15' 30'

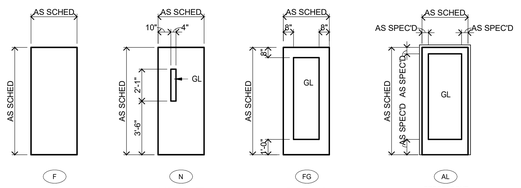
A

Architects Boys-2024.rvt Nelson Care Center Renovation246040 - Nelson Care Center_Rev2025.rvt
Central - Temp Computer(2025).rvt Temp Computer(2025).rvt Temp Computer(2025).rvt

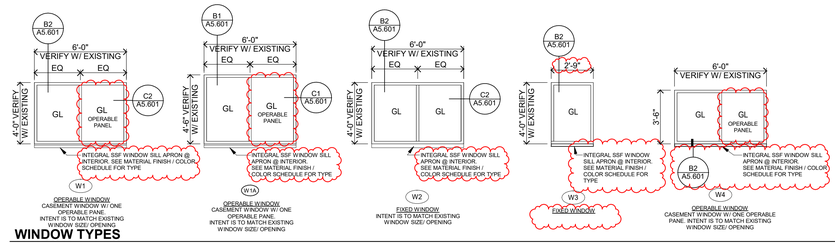
# MN



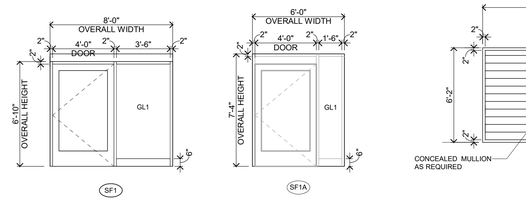

## FRAME TYPES



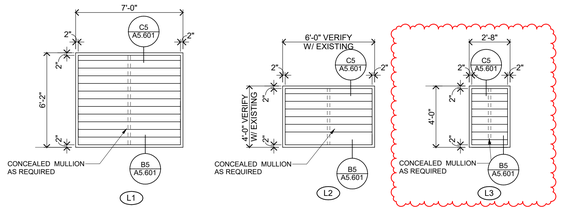

## DOOR PANEL TYPES



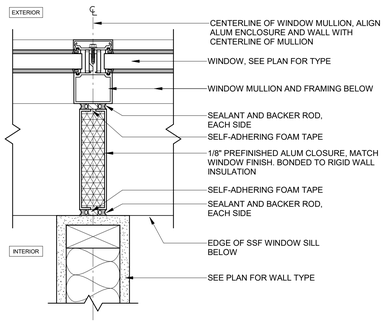

## WINDOW TYPES




## STOREFRONT TYPES




## LOUVER TYPES

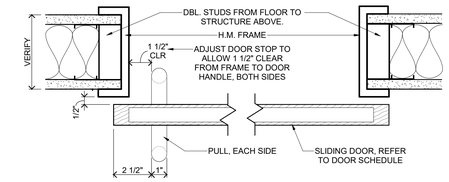



**D4 WALL TO MULLION CONNECTION** 3" = 1'-0"

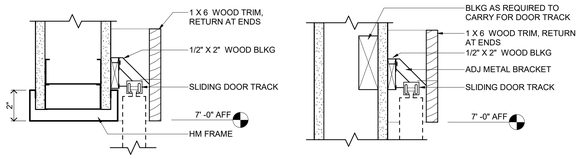
| DOOR SCHEDULE GENERAL REMARKS |
|---|
| 1. ALL DOORS ARE 1 3/4" THICK UNLESS OTHERWISE NOTED. |
| 2. FOR FRAME DEPTH:<br>A. GYPSUM BOARD PARTITIONS: THROAT OF FRAME TO MATCH WALL THICKNESS. |
| 3. FOR GLASS TYPES, ONLY EXCEPTIONS TO THE FOLLOWING TABLE ARE SCHEDULED:<br>INTERIOR NON RATED:<br>CLEAR (SAFETY WHEN REQUIRED BY TABLE IN GLAZING SPECIFICATION.)<br>INTERIOR AND EXTERIOR RATED:<br>FIRE RATED<br>EXTERIOR NON-RATED:<br>CLEAR INSULATED (SAFETY INSULATED WHEN REQUIRED BY TABLE IN GLAZING SPECIFICATION.) |
| 4. **GL1** = CLEAR GLAZING<br>**ADD ALT #7: GL2** = 90 MIN RATED CLEAR GLAZING (INTENT FOR USE ADJACENT TO 2-HR FIRE WALLS) |
| 5. ALL HM FRAMES TO BE PAINTED PTXX UNLESS NOTED OTHERWISE ON THE DOOR SCHEDULE. |
| 6. ALL ALUMINUM DOORS AND FRAMES TO BE CLEAR ANODIZED ALUMINUM UNLESS NOTED OTHERWISE ON THE TYPES. |
| 7. FIELD VERIFY EXISTING DOOR HEIGHTS. INTENT IS FOR NEW DOOR HEIGHTS TO MACTH EXISTING DOOR HEIGHTS IN THAT AREA. |

| HARDWARE GENERAL REMARKS |
|---|
| 1. HARDWARE MANUFACTURERS AND MODELS ARE BASED ON OWNER PROVIDED STANDARD DOCUMENTS |
| 2. HARDWARE SUBMITTAL TO INCLUDE DATE OF COORDINATION WITH OWNER FACILITY MAINTENANCE |
| 3. ALL LATCH SETS SHALL BE CONFIGURED TO READILY OPEN IN DIRECTION OF EGRESS |
| 4. **SEE DIV. 8 FOR HARDWARE SPECIFICATIONS** |

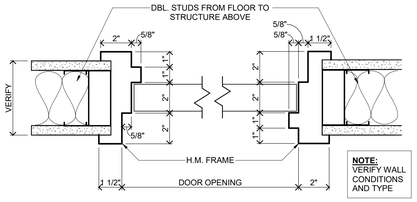
| HARDWARE GENERAL REMARKS |
|---|
| 1. ALL DOOR HARDWARE TO COMPLY WITH CURRENT ADA CODE REQUIREMENTS. |
| 2. FIELD VERIFY ALL EXISTING DOOR FRAMES TO REMAIN AND EXISTING HARDWARE TO BE REUSED PRIOR TO ORDERING NEW REPLACEMENTS DOORS, FRAMES & HARDWARE. |
| 3. HARDWARE FINISH TO BE FIELD VERIFIED TO MATCH EXISTING BUILDING STANDARDS. |
| 4. DOOR STOPS SHALL BE FLOOR MOUNTED ADJACENT TO WALLS AND OVERHEAD WHEN NOT ADJACENT TO WALLS. |
| 5. **REMOVE EXISTING DOOR HARDWARE AS REQUIRED FOR NEW HARDWARE. SEE DOOR SCHEDULES FOR HARDWARE SETS. PATCH, PREPARE, AND RE-FINISH DOORS AS REQUIRED FOR NEW HARDWARE.** |



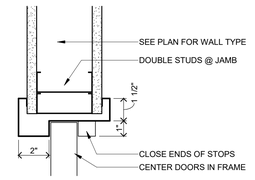

**B6 FR2 SLIDING DOOR - JAMB** 3" = 1'-0"



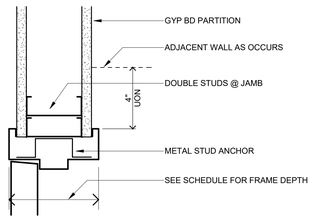

**C6 FR2 SLIDING DOOR - HEAD** 3" = 1'-0"



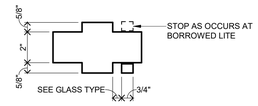

**D6 HM DOUBLE EGRESS DOOR - JAMB** 3" = 1'-0"



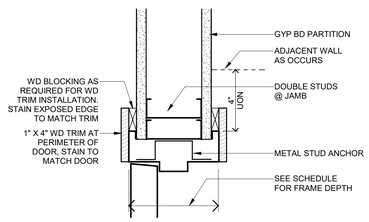

**D8 DOUBLE EGRESS HEAD** 3" = 1'-0"



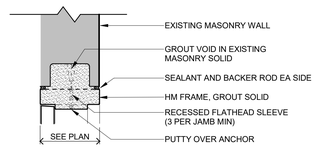

**E6 JAMB (HEAD & SILL SIMILAR)** 3" = 1'-0"




**E7 MULLION AT DOOR OR BORROWED LITE** 3" = 1'-0"

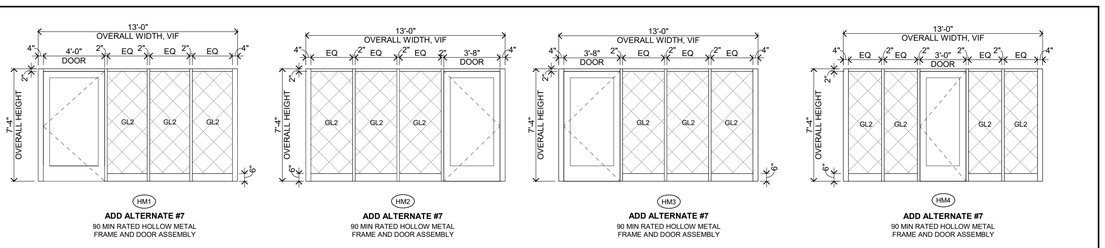



**F6 JAMB (HEAD SIMILAR) W/ WOOD TRIM** 3" = 1'-0"




**F7 JAMB AT EXISTING WALL** 1 1/2" = 1'-0"

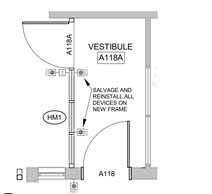
## ADD ALTERNATE #7



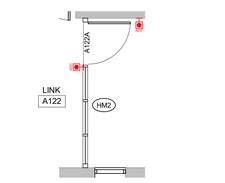

### ADD ALTERNATE #7 HM FRAME TYPES

**DOOR / OPENING SCHEDULE - ADD ALTERNATE #7**

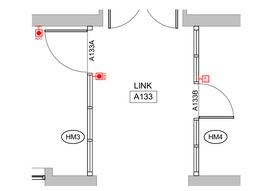
| DOOR NO | ROOM | DOOR / OPENING TYPE | QTY | WIDTH | HEIGHT | MATL | LABEL/ RATING | FRAME OVERALL WIDTH | FRAME TYPE | FRAME MATL | HDW GRP | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| A118A | VESTIBULE | FG | 1 | 4'-0" | 7'-2" | HM | 1 HR RATED ASSEMBLY | 4'-4" | HM 1 | HM | 02 | ADD ALTERNATE #7, ADJACENT TO 2-HR FIRE BARRIER |
| A122A | LINK | FG | 1 | 3'-8" | 7'-2" | HM | 1 HR RATED ASSEMBLY | 4'-0" | HM 2 | HM | 08 | ADD ALTERNATE #7, ADJACENT TO 2-HR FIRE BARRIER |
| A133A | LINK | FG | 1 | 3'-8" | 7'-0" | HM | 1 HR RATED ASSEMBLY | 4'-0" | HM 3 | HM | 04 | ADD ALTERNATE #7, ADJACENT TO 2-HR FIRE BARRIER |
| A133B | LINK | FG | 1 | 3'-0" | 7'-0" | HM | 1 HR RATED ASSEMBLY | 3'-4" | HM 4 | HM | 03 | ADD ALTERNATE #7, ADJACENT TO 2-HR FIRE BARRIER |




**F1 ADD ALT #7 - HM1** 3/16" = 1'-0"




**F2 ADD ALT #7 - HM2** 3/16" = 1'-0"




**F3 ADD ALT #7 - HM3 & HM4** 3/16" = 1'-0"

**100% CD SET**

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# Nelson Care Center Renovation

420 12th Ave E,
Alexandria, MN 56308

246040

**Vivie**
2209 Jefferson St. Suite 201
Alexandria, MN 56308

**WOLD ARCHITECTS AND ENGINEERS**
50 South 6th Street, Suite 2250
Minneapolis, Minnesota 55402
woldae.com | 612 772 9025

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**

**Sara Malin**
License Number: **40063** Date **08/29/2025**

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **ADDENDUM #2** | **9/11/2025** | **1** |

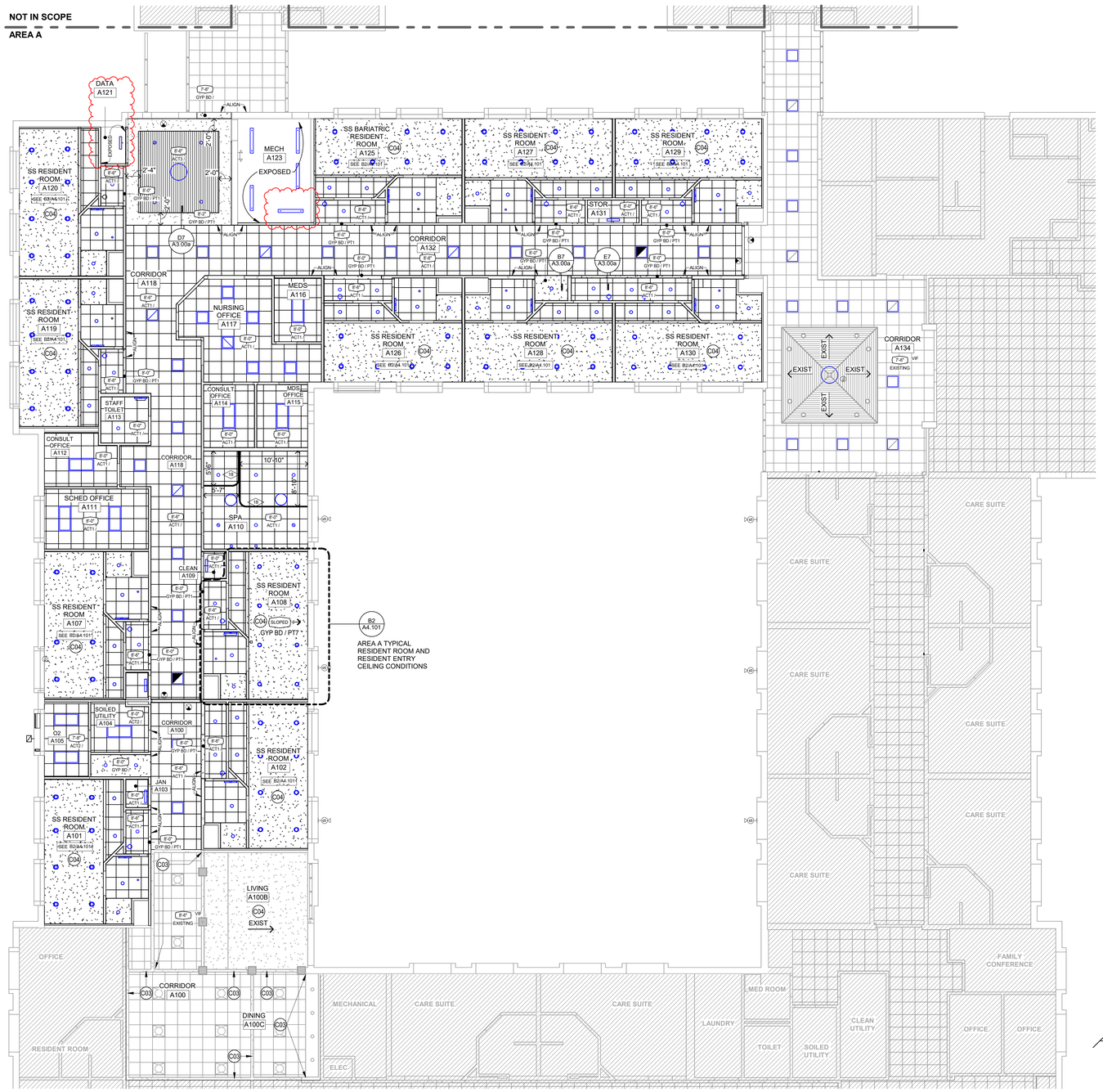
Comm: **246040**
Date: **08/29/2025**
Drawn: **JDV/ CN**
Check: **EN**

## DOOR/ FRAME/ WINDOW TYPES & DETAILS

Scale: **As Indicated**

# A2.901

# MN




## F1 MAIN LEVEL REFLECTED CEILING PLAN AREA A

1/8" = 1'-0"

0 6' 12'

## RCP KEY NOTES:

- C01 PATCH AND REPAIR EXISTING GYP CEILING AS REQUIRED FOR NEW WORK AND SMOOTH FINISH. PAINT ENTIRETY PT7.
- C02 MODIFY CEILING GRID AS REQUIRED FOR NEW WORK.
- C03 PAINT SOFFIT AND UNDERSIDE SAME AS ADJACENT WALL FINISH, PT1, SEE FINISH PLAN.
- C04 SLOPED CEILING TO BE 5/8" GYP BOARD ON 7/8" METAL FURRING ATTACHED TO UNDERSIDE OF STRUCTURE.

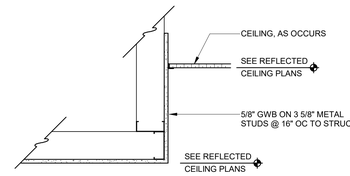
## RCP LEGEND

SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES AND LOCATIONS.

## REFLECTED CEILING PLAN GENERAL NOTES

1. CEILING HEIGHTS ARE 8'-0" AFF UNLESS NOTED OTHERWISE
2. REFER TO ROOM FINISH SCHEDULE FOR CEILING MATERIAL
3. PROVIDE GYPSUM BOARD AND STUD BULKHEADS WHERE CEILING OF DIFFERENT HEIGHTS ABUT. DO NOT BUILD BULKHEADS OF ACOUSTICAL CEILING MATERIAL UNLESS NOTED
4. REFER TO MECHANICAL DRAWINGS FOR QUANTITY, TYPE AND LOCATIONS OF DIFFUSERS, RETURN AIR GRILLES AND EXHAUST GRILLES. SCRIBE CEILING MATERIALS CAREFULLY FOR TIGHT FIT
5. REFER TO ELECTRICAL DRAWINGS FOR QUANTITY, TYPE AND LOCATIONS OF LIGHTS, SPEAKERS, DETECTORS, POWER OUTLETS, ETC... SCRIBE CEILING MATERIAL CAREFULLY FOR TIGHT FIT. WHERE NO DEVICES ARE SHOWN ON PLANS FIELD VERIFY LOCATION AND QUANTITY OF DEVICES IN EXISTING CEILINGS THAT WILL BE RELOCATED TO NEW CEILINGS
6. ALTHOUGH NOT SPECIFICALLY SHOWN, THE ENTIRE PROJECT HAS FIRE SPRINKLER HEADS IN CEILING. SCRIBE CEILING MATERIALS CAREFULLY FOR TIGHT FIT
7. REFER TO ROOM FINISH SCHEDULE FOR THE GRID SYSTEM. REFLECTED CEILING PLANS SHOW TILE PATTERNS
8. CONTRACTOR TO FIELD VERIFY EXTENT OF CEILING REPLACEMENT. CONTRACTOR TO COORDINATE WITH ALL TRADES
9. ALL EXISTING TO REMAIN GRILLES, DIFFUSERS AND LIGHTS, ETC... TO BE CLEANED
10. VERIFY CEILING HEIGHTS WITH STRUCTURE AND DUCTWORK
11. SCRIBE CEILING MATERIALS FOR TIGHT FIT
12. CENTER EXHAUST GRILLE OVER TOILET BOWL IN TOILET ROOMS WITH GYPSUM BOARD CEILIINGS UNLESS OTHERWISE NOTED
13. CENTER RECESSED LIGHT FIXTURES WITHIN TOILET ROOMS RECEIVING GYPSUM BOARD CEILINGS UNLESS OTHERWISE NOTED
14. GENERAL CONTRACTOR IS TO PROVIDE AND INSTALL CEILING ACCESS PANELS REQUIRED FOR ACESS TO ANY MECHANCIAL AND/OR ELECTRICAL DEVICES ABOVE THE CEILING. GENERAL CONTRACTOR IS TO COORDINATE WITH MECHANICAL AND ELECTRICAL CONTRACTORS FOR LOCATIONS
15. CENTER SPRINKLER HEADS IN CEILING TILE, TYPICAL
16. ALL GYPSUM CEILINGS AND SOFFITS TO BE PAINTED PT7 UNLESS NOTED OTHERWISE.

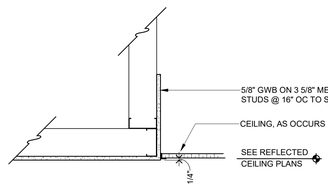
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## B7 GYPSUM BOARD SOFFIT TO ACT

1 1/2" = 1'-0"

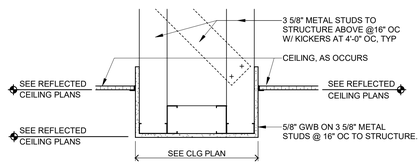
0 1/2" 1"




## C7 GYPSUM BOARD SOFFIT TO ACT - FLUSH

1 1/2" = 1'-0"

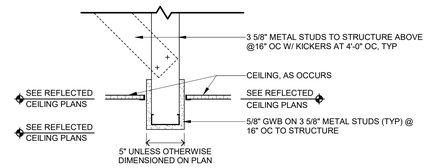
0 1/2" 1"




## D7 GYPSUM BOARD SOFFIT TO ACT BOTH SIDES

1 1/2" = 1'-0"

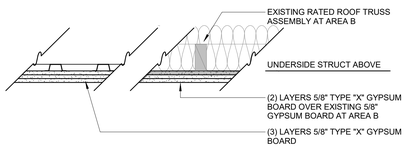
0 1/2" 1"




## E7 GYPSUM BOARD BULKHEAD

1 1/2" = 1'-0"

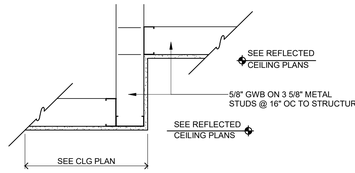
0 1/2" 1"




## F5 1 HOUR RATED GYPSUM BOARD CEILING ENCLOSURE

1 1/2" = 1'-0"

0 1/2" 1"




## F7 GYPSUM BOARD SOFFIT TO GYPSUM BOARD SOFFIT

1 1/2" = 1'-0"

0 1/2" 1"

**100% CD SET**

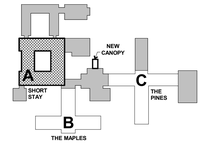
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246040

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## KEY PLAN

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**Sara Malin**
License Number: **40063** Date **08/29/2025**

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **ADDENDUM #2** | **9/11/2025** | **1** |

Comm: **246040**
Date: **08/29/2025**
Drawn: **JDV/ CN**
Check: **EN**

North

# FIRST FLOOR REFLECTED CEILING PLAN - AREA A

Scale: **As Indicated**

# A3.00a

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# MN




F1 **MAIN LEVEL REFLECTED CEILING PLAN AREA B**
1/8" = 1'-0"
0 6' 12'

## REFLECTED CEILING PLAN GENERAL NOTES

1. CEILING HEIGHTS ARE 8'-0" AFF UNLESS NOTED OTHERWISE
2. REFER TO ROOM FINISH SCHEDULE FOR CEILING MATERIAL
3. PROVIDE GYPSUM BOARD AND STUD BULKHEADS WHERE CEILING OF DIFFERENT HEIGHTS ABUT. DO NOT BUILD BULKHEADS OF ACOUSTICAL CEILING MATERIAL UNLESS NOTED
4. REFER TO MECHANICAL DRAWINGS FOR QUANTITY, TYPE AND LOCATIONS OF DIFFUSERS, RETURN AIR GRILLES AND EXHAUST GRILLES. SCRIBE CEILING MATERIALS CAREFULLY FOR TIGHT FIT
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15. CENTER SPRINKLER HEADS IN CEILING TILE, TYPICAL
16. ALL GYPSUM CEILINGS AND SOFFITS TO BE PAINTED PT7 UNLESS NOTED OTHERWISE.

NOT IN SCOPE OF WORK

## RCP KEY NOTES:

C01 PATCH AND REPAIR EXISTING GYP CEILING AS REQUIRED FOR NEW WORK AND SMOOTH FINISH. PAINT ENTIRETY PT7.

C02 MODIFY CEILING GRID AS REQUIRED FOR NEW WORK.

C03 PAINT SOFFIT AND UNDERSIDE SAME AS ADJACENT WALL FINISH, PT1, SEE FINISH PLAN.

C04 SLOPED CEILING TO BE 5/8" GYP BOARD ON 7/8" METAL FURRING ATTACHED TO UNDERSIDE OF STRUCTURE.

## RCP LEGEND

SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES AND LOCATIONS.

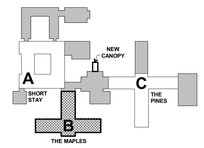
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Sara Malin
License Number: **40063** Date: **08/29/2025**

| Revisions | | |
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| Description | Date | Num |
| **ADDENDUM #2** | **9/11/2025** | **1** |

Comm: **246040**
Date: **08/29/2025**
Drawn: **JDV/ CN**
Check: **EN**
North

# FIRST FLOOR REFLECTED CEILING PLAN - AREA B

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

**100% CD SET**

# A3.00b


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Drawn By: Jacob Vivie
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MN

## RCP KEY NOTES:

(C01) PATCH AND REPAIR EXISTING GYP CEILING AS REQUIRED FOR NEW WORK AND SMOOTH FINISH. PAINT ENTIRETY PT7.

(C02) MODIFY CEILING GRID AS REQUIRED FOR NEW WORK.

(C03) PAINT SOFFIT AND UNDERSIDE SAME AS ADJACENT WALL FINISH, PT1, SEE FINISH PLAN.

(C04) SLOPED CEILING TO BE 5/8" GYP BOARD ON 7/8" METAL FURRING ATTACHED TO UNDERSIDE OF STRUCTURE.

## RCP LEGEND

SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES AND LOCATIONS.

## REFLECTED CEILING PLAN GENERAL NOTES

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7. REFER TO ROOM FINISH SCHEDULE FOR THE GRID SYSTEM. REFLECTED CEILING PLANS SHOW TILE PATTERNS
8. CONTRACTOR TO FIELD VERIFY EXTENT OF CEILING REPLACEMENT. CONTRACTOR TO COORDINATE WITH ALL TRADES
9. ALL EXISTING TO REMAIN GRILLES, DIFFUSERS AND LIGHTS, ETC... TO BE CLEANED
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14. GENERAL CONTRACTOR IS TO PROVIDE AND INSTALL CEILING ACCESS PANELS REQUIRED FOR ACESS TO ANY MECHANICAL AND/OR ELECTRICAL DEVICES ABOVE THE CEILING. GENERAL CONTRACTOR IS TO COORDINATE WITH MECHANICAL AND ELECTRICAL CONTRACTORS FOR LOCATIONS
15. CENTER SPRINKLER HEADS IN CEILING TILE, TYPICAL
16. ALL GYPSUM CEILINGS AND SOFFITS TO BE PAINTED PT7 UNLESS NOTED OTHERWISE.

NOT IN SCOPE OF WORK




F1 MAIN LEVEL REFLECTED CEILING PLAN AREA C
1/8" = 1'-0"
0 6' 12'

100% CD SET

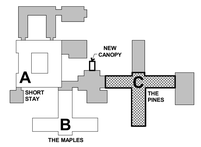

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North

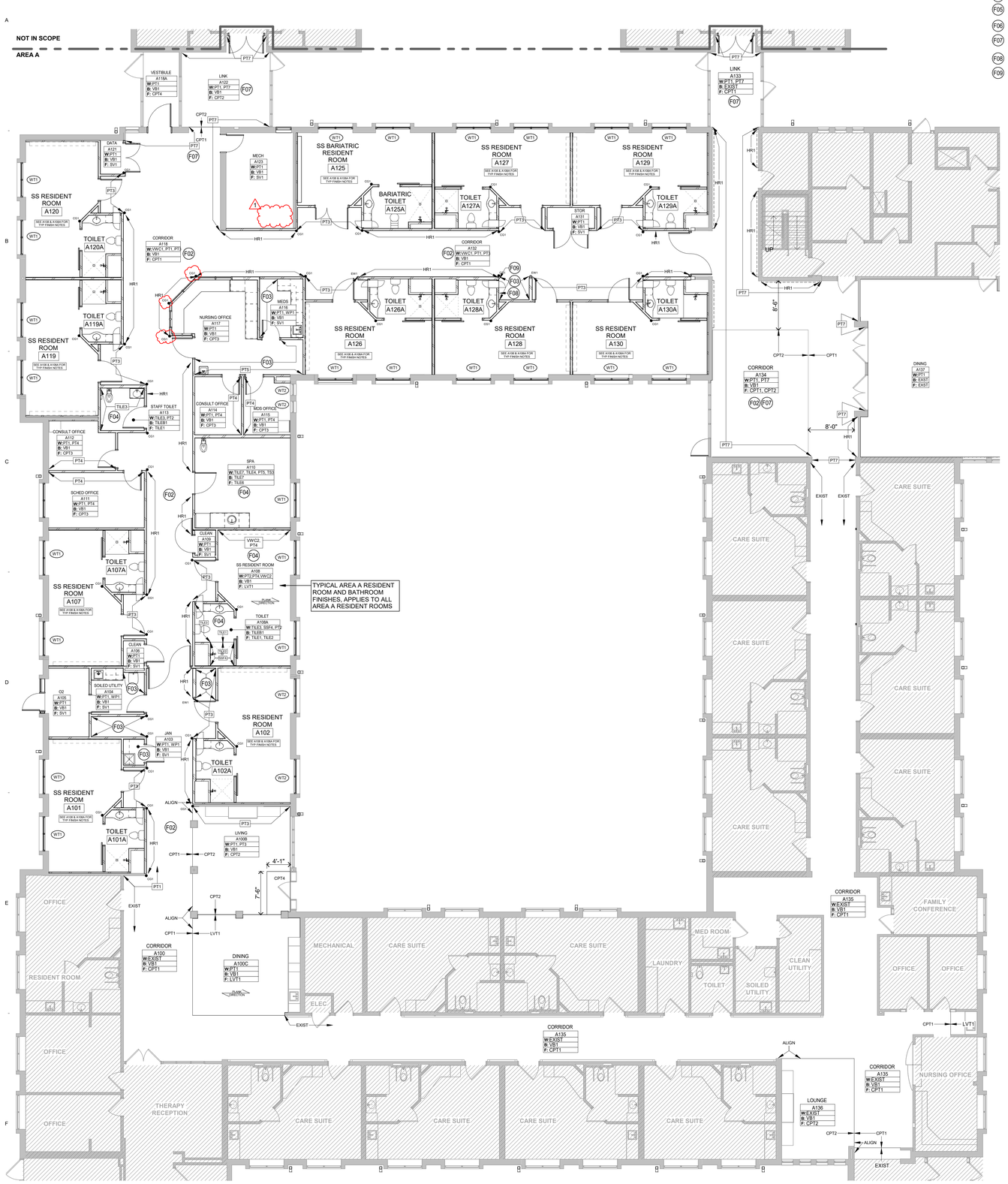
FIRST FLOOR REFLECTED CEILING PLAN - AREA C

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

A3.00c


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# MN




## FIRST FLOOR FINISH PLAN - AREA A

X-62 1/8" = 1'-0"

0 6' 12'

## FINISH PLAN KEY NOTES:

F01 REINSTALL ALL EXISTING SALVAGED HANDRAILS (FROM AREAS B AND C) IN AREA B, WOOD BACKERBOARD TO BE NEW. MODIFY AND PROVIDE NEW BRACKETS AS REQ'D.

F02 PROVIDE CORRIDOR HANDRAIL FINISHES PER DETAIL C4/A0.001 . AT BRICK WALLS, OMIT WALL COVERING & TRIM AND PROVIDE HANDRAIL ONLY.

F03 PROVIDE WP1 ON THESE WALLS TO 4'-0" ABOVE BASE AND PT1 ABOVE UNLESS A DIFFERENT PAINT COLOR IS NOTED ON FINISH PLANS.

F04 SEE ELEVATIONS FOR FINISH HEIGHTS AND LOCATIONS.

F05 PAINT EXISTING WINDOW/ BORROWED LITE FRAME SAME COLOR AS ADJACENT WALL FINISH, BOTH SIDES.

F06 PAINT DOOR AND FRAME SAME COLOR AS ADJACENT WALL FINISH.

F07 PAINT PT7 TO EXISTING BRICK SURFACES ONLY. FIELD VERIFY LOCATION AND EXTENT OF EXISTING BRICK PRIOR TO APPLICATION.

F08 PROVIDE WALL GUARD, WG1, HORIZONTALLY AT 1'-0" AFF.

F09 PROVIDE WALL GUARD, WG1, VERTICALLY ABOVE BASE TO UNDERSIDE OF WOOD TRIM.

## FINISH PLAN GENERAL NOTES

1. SEE INTERIOR ELEVATIONS FOR LOCATIONS OF WALL BASE, TILE AND FINISHES.
2. PROVIDE CONTROL JOINTS AT TRANSITIONS BETWEEN WALL AND GYPSUM BOARD BULKHEADS AS REQUIRED BETWEEN LINE OF WALLCOVERING AND PAINT.
3. PAINT THE FOLLOWING TO MATCH ADJACENT WALLS: MISC. METALS, ACCESS PANELS, ETC.
4. PROVIDE THIN LAYER OF SILICONE BEAD AT PERIMETER OF ALL DOOR FRAMES AND BORROWED LIGHTS AFTER INSTALLATION OF WALLCOVERINGS. DOOR FRAMES ON PAINTED WALLS SHOULD RECEIVE THIN PAINTABLE SILICONE BEAD AT PERIMETER PRIOR TO PAINTING.
5. PROVIDE GYPSUM BOARD SOFFIT ABOVE CASEWORK UNLESS OTHERWISE NOTED. (SEE CASEWORK ELEVATIONS AND REFLECTED CEILING PLANS.)
6. MISC. BULKHEADS AND HEADERS TO RECEIVE FINISH AS SCHEDULED TO ADJACENT WALLS UNLESS NOTED OTHERWISE
7. ALL INTERIOR FINISHES MUST BE INSTALLED BY A CERTIFIED INSTALLER PER MANUFACTURER'S INSTRUCTIONS.
8. USE MANUFACTURER'S APPROVED ADHESIVES AND SEAM SEALERS.
9. ALL FLOORING TRANSITIONS OCCUR UNDER THE CENTER OF THE DOOR UNLESS NOTED OTHERWISE.
10. ALL INTERIOR DOOR FRAMES, STAIR METAL HANDRAIL AND STRINGERS TO BE PAINTED PT6, UNLESS NOTED OTHERWISE.
11. ALL WINDOW SILLS ARE TO BE SOLID SURFACE, SSF3.
12. PAINT CEILING AND ALL EXPOSED STRUCTURE, PIPING, CONDUIT, MECHANICAL DUCTS AND VENTS.
13. MISC. BULKHEADS AND HEADERS TO RECEIVE FINISH AS SCHEDULED TO ADJACENT WALLS UNLESS NOTED OTHERWISE.
14. PROVIDE VINYL BASE AT CASEWORK UNLESS OTHERWISE NOTED.
15. FIELD VERIFY EXISTING CONDITIONS AT TRANSITIONS BETWEEN EXISTING AND NEW.
16. WALLS IN AREA B AND C TO RECEIVE ORANGE PEEL PAINT FINISH.

PROVIDE FLOORING TRANSITIONS PER DETAIL F7/A4.711
PROVIDE TILE TRANSITIONS PER DETAIL D2/A4.711

● CORNER GUARD, CG1 - SEE DETAIL D4/A4.711
● ENDWALL GUARD, EW1 - SEE DETAIL C4/A4.711
WT1 WINDOW TREATMENT, WT1 - SEE MATERIAL ID.
WT2 WINDOW TREATMENT, WT2 - SEE MATERIAL ID.

## MATERIAL FINISH / COLOR SCHEDULE

| SPEC SECTION | FINISH CODE | MANUFACTURER | PATTERN | COLOR | SIZE | INSTALL METHOD | TYPICAL LOCATION |
|---|---|---|---|---|---|---|---|
| **06 41 16** | **PLAM** | | | | | | |
| **PLASTIC LAMINATE** | PLAM1 | FORMICA | 8846-58 OILED LEGNO, MATTE TEXTURE | | | | CABINETRY |
| | PULL1 | AMEROCK | MODEL: HIGHLAND RIDGE BP55319G10 | SATIN NICKEL | SIZE: 5-1/16 INCH CENTER-TO-CENTER PULL | | PUBLIC/COMMON AREAS, FRONT OF HOUSE AREAS |
| | PULL2 | AMEROCK | MODEL: EVERYDAY HERITAGE BP76312CSG10 (WIRE PULL) | SATIN NICKEL | SIZE: 4 INCH CENTER-TO-CENTER PULL | | BACK OF HOUSE STAFF AREAS |
| **06 61 00** | **SSF** | | | | | | |
| **SIMULATED STONE FABRICATIONS** | SSF1 | CORIAN | SOLID SURFACE | NEUTRAL CONCRETE | THICKNESS: 2CM; MITERED EASED EDGE | | RESIDENT TOILET COUNTERTOP |
| | SSF2 | WILSONART | SOLID SURFACE | YUKON RIVERSTONE 9196RS | THICKNESS: 2CM; MITERED EASED EDGE | | PUBLIC TOILETS, SPA COUNTERTOP |
| | SSF3 | CORIAN | SOLID SURFACE | CAMEO WHITE | WHERE OCCURS INTEGRAL SINK MODEL 810R | | SINKS AND WINDOW SILLS |
| | SSF4 | INPRO CORPORATION | SOLID SURFACE SHOWER WALL SURROUND | BRIGHT WHITE P9011 | SIZE: VARY 36, 48, 60 INCHES WIDE X 96 INCHES LONG; THICKNESS: 6MM | INSTALL FULL HEIGHT WITH MATCHING INTEGRAL CORNER PIECES | SHOWER WALL SURROUND |
| **08 14 16** | **DOOR** | | | | | | |
| **FLUSH WOOD DOORS** | DOOR1 | | PLAIN SLICED, BOOK VENEER MATCH, RUNNING ASSEMBLY MATCH | RED OAK, TRANSPARENT FINISH, SHEEN FLAT, STAIN TO MATCH EXISTING DOORS IN SHORT STAY | | SUBMIT SAMPLE TO ARCHITECT FOR APPROVAL | SHORT STAY DOORS |
| **09 30 00** | **TILE** | | | | | | |
| **TILE** | TILE1 | CERAMIC TILEWORKS | ATELIER (PORCELIAN, HONED MATTE, RECTIFIED) | TOUPE | SIZE: 12"X24"; 8MM THICKNESS; DCOF WET >0.48 | INSTALL MONOLITHIC W/COVE BASE TS2; GROUT: LATICRETE SPECTRALOCK 2000IG, CLR 5105 DRIFTWOOD; GROUT LINES 1/8"THICK | RESIDENT TOILET RM FLOOR TILE |
| | TILE2 | DALTILE | KEYSTONES | ARCHITECT GRAY D109 | SIZE: 2"x2" SQUARE (12"SHEET) | INSTALL MONOLITHIC W/COVE BASE TS2; GROUT: LATICRETE SPECTRALOCK 2000IG, CLR 5105 DRIFTWOOD | SHOWER FLOOR TILE |
| | TILE3 | CERAMIC TILEWORKS | ATELIER (PORCELIAN, HONED MATTE, RECTIFIED) | WHITE | SIZE: 12"X24"; THICKNESS: 8MM | INSTALL MONOLITHIC W/TRIM TS3 AT TOP OF AND OUTSIDE CORNERS OF TILE; GROUT: LATICRETE SPECTRALOCK 2000IG, CLR 5001 ALABASTER; GROUT LINES 1/8"THICK | RESIDENT TOILET RM WALL TILE |
| | TILE4 | CERAMIC TILEWORKS | FLAUTI | SNOW | SIZE: 2"X8" MIXED DIMENSION (12"X16" MOSAIC SHEET) | INSTALL MONOLITHIC W/TRIM TS3 AT OUTSIDE CORNERS OF TILE; GROUT: LATICRETE SPECTRALOCK 2000IG, CLR 5093 WARM GRAY; GROUT LINES 1/8"THICK | SPA ACCENT WALL TILE |
| | TILE5 | CERAMIC TILEWORKS | GAZ MY ART | BIANCO (GLOSSY) | SIZE: 2.5"X10" | INSTALL MONOLITHIC W/TRIM TS3 AT TOP OF AND OUTSIDE CORNERS OF TILE; GROUT: LATICRETE SPECTRALOCK 2000IG, CLR 5077 FROST; GROUT LINES 1/8"THICK | NOURISHMENT STATION BACKSPLASH |
| | TILE6 | CERAMIC TILEWORKS | KEO DOLMIX | LIGHT | SIZE: 24"X24" | INSTALL MONOLITHIC W/COVE BASE TS2; GROUT: LATICRETE SPECTRALOCK 2000IG, CLR 5002 PEWTER | SPA FLOOR TILE |
| | TILE7 | CERAMIC TILEWORKS | ELEMENTS DESIGN | WHITE | SIZE: 12"X24" | INSTALL MONOLITHIC W/TRIM TS3 AT TOP AND OUTSIDE CORNERS OF TILE; GROUT: LATICRETE SPECTRALOCK 2000IG, CLR 5093 WARM GRAY; GROUT LINES 1/8"THICK | SPA WALL TILE |
| | TILEB1 | SAME AS TILE3 | SAME AS TILE3 | SAME AS TILE3 | SIZE: CUT 6" HIGH X 24" WIDE; THICKNESS: 8MM | INSTALL W/COVE BASE TS2; GROUT: LATICRETE SPECTRALOCK 2000IG, CLR 5001 ALABASTER | RESIDENT TOILET TILE BASE |
| **METAL TRANSITION STRIP** | TS1 | SCHLUTER | SCHIENE, METAL TRANSITION STRIP | COLOR: SATIN NICKEL ANODIZED ALUMINUM | | TILE TO LVT OR CARPET | |
| | TS2 | SCHLUTER | DILEX AHK, COVE BASE | COLOR: SATIN NICKEL ANODIZED ALUMINUM | PROVIDE CONNECTOR TRIM PIECES | COVE BASE IN TOILET ROOMS WHERE FLOOR TILE MEETS WALL TILE | |
| | TS3 | SCHLUTER | QUADEC | COLOR: SATIN NICKEL ANODIZED ALUMINUM | PROVIDE CONNECTOR TRIM PIECES | OUTSIDE CORNERS & TOP TRIM AT WALL TILE, TOILET ROOMS ONLY | |
| | TS4 | SCHLUTER | VINPRO-S, RESILIENT SURFACE EDGE PROTECTION PROFILE WITH MINIMAL REVEAL | COLOR: SATIN NICKEL ANODIZED ALUMINUM | | INSTALL AT TOP OF INTEGRAL RESILIENT COVE BASE | |
| **09 65 00 RESILIENT TRANSITION STRIP** | TS5 | TARKETT | PATTERN: METALEDGE (PVC TRANSITION TRIM) | BRASS | | SHEET VINYL TO CARPET OR LVT TRANSITION | |
| **09 51 00** | **ACT** | | | | | | |
| **ACOUSTIC CEILING TILE** | ACT1 | ARMSTRONG | DUNE 1174 | WHITE | 24" X 24" | SUSPENSION SYSTEM: PRELUDE 15/16", WHITE | |
| | ACT2 | ARMSTRONG | CLEAN ROOM FL | WHITE | 24" X 24" SQUARE LAY-IN | SUSPENSION SYSTEM: PRELUDE 15/16", CLEAN ROOM, WHITE | |
| | ACT3 | ARMSTRONG | METALWORKS LINEAR, M1 (UNPERFORATED) | COLOR TBD | PANEL SIZE: 2" X 96" THICKNESS: 5/8" | | |
| **09 65 00** | **SV, LVT, VB** | | | | | | |
| **SHEET VINYL FLOORING** | SV1 | TEKNOFLOR | MEDSCAPES HPD (SHEET VINYL) | CLR: 88603P WHITE SANDS | SIZE: 6'-7"W; THICKNESS: 2.0MM | MATCHING WELDING ROD | CLEAN AND SOILED UTILITY, STORAGE, MECH/ELEC |
| **LUXURY VINYL TILE** | LVT1 | MANNINGTON | NO RESERVATIONS XPRESS-WOOD (LUXURY VINYL TILE) | KEEN - NR109 | SIZE: 7.25"x48" PLANK, THICKNESS: 4.0MM, WEAR LAYER THICKNESS: 20MIL (0.51MM) | INSTALL METHOD: PLANK DIRECTION SHOWN ON FINISH PLANS (LONGEST LENGTH OF PLANK) | RESIDENT ROOMS, NOURISH. SOLARIUM, DINING, ACTIVITY OFFICE, FITNESS |
| **VINYL BASE** | VB1 | JOHNSONITE | PATTERN: 4"H TRADITIONAL WALL BASE (VINYL BASE) | MOON ROCK | 4" HIGH | | RESILIENT BASE |
| | VB2 | JOHNSONITE | PATTERN: 4"H TRADITIONAL WALL BASE (VINYL BASE) | TA1 TANNERY WB (MATCH PLAM1) | 4" HIGH | | TOE KICK BASE AT PLAM1 CABINET BASE |
| **09 68 13** | **CPT** | | | | | | |
| **CARPET FLOORING** | CPT1 | PHILADELPHIA COMMERCIAL CARPET | AMAZE 54588 | 00500 BLOWN AWAY | 24"X24" | INSTALL ASHLAR | CORRIDORS |
| | CPT2 | J+J FLOORING | RHYTHM (STYLE 7502) MODULAR | 3636 SANDLEWOOD | 24"X24" | INSTALL ASHLAR | LOUNGE |
| | CPT3 | J+J FLOORING | COMPOSITION (STYLE 7507) MODULAR | 3691 SOFT ADOBE | 24"X24" | INSTALL ASHLAR | STAFF |
| | CPT4 | MANNINGTON | FORCE (WALK OFF MAT TILE) | KINETIC | 18"X36" | INSTALL HORIZONTAL BRICK ASHLAR | ENTRY AREAS |
| **09 72 00** | **VWC** | | | | | | |
| **WALL COVERINGS** | VWC1 | MFR: WOLF GORDON | RAMPART KEREN (GOH33075783) | GREIGE | TYPE II VINYL; 52"WIDE; 35 OZ PER LINEAR YARD | INSTALL TS6 AT ANY EXPOSED TOP OR SIDE OF VWC | CORRIDOR BELOW TRIM |
| | VWC2 | MFR: WOLF GORDON | RAMPART SPARTA (GOH34332196) | CLASSIC WHITE | TYPE II VINYL; 52"WIDE; 33 OZ PER LINEAR YARD | INSTALL TS6 AT ANY EXPOSED TOP OR SIDE OF VWC | RESIDENT ROOM HEADWALL |
| | TS6 | WOLF GORDON | EXTRUDED VINYL TOP/END CAPS | 541 WHITE SAND | 8' AND 10' LENGTHS | INSTALL TS6 AT ANY EXPOSED TOP OR SIDE OF VWC | VINYL WALLCOVERING TOP TRIM TO PAINTED WALL TRANSITION |
| **09 90 00** | **PT** | | | | | | |
| **PAINTING AND COATING** | PT1 | BENJAMIN MOORE | | HC-172 REVERE PEWTER | | WALLS IN AREA B AND C TO RECEIVE ORANGE PEEL PAINT FINISH. | MAIN COLOR |
| | PT2 | SHERWIN WILLIAMS | | SW7030 ANEW GRAY | | WALLS IN AREA B AND C TO RECEIVE ORANGE PEEL PAINT FINISH. | RESIDENT ROOMS |
| | PT3 | BENJAMIN MOORE | | HC159 PHILIPSBURG BLUE | | WALLS IN AREA B AND C TO RECEIVE ORANGE PEEL PAINT FINISH. | CORRIDOR ACCENT |
| | PT4 | BENJAMIN MOORE | | 1574 RUSHING RIVER | | WALLS IN AREA B AND C TO RECEIVE ORANGE PEEL PAINT FINISH. | STAFF |
| | PT5 | SHERWIN WILLIAMS | | SW7616 BREEZY | | WALLS IN AREA B AND C TO RECEIVE ORANGE PEEL PAINT FINISH. | SPA |
| | PT6 | SHERWIN WILLIAMS | | SW9090 CARAIBE | | | DOOR FRAME PAINT |
| | PT7 | SHERWIN WILLIAMS | | SW7006 EXTRA WHITE | | | CEILING WHITE, SOLARIUM, BRICK AT CORRIDOR |
| | PT8 | NOT USED | | | | | |
| **10 21 23** | **CC** | | | | | | |
| **CUBICLE CURTAIN** | CC1 | INPRO CORPORATION | STILL LIFE (PRIVACY CURTAIN) | TBD | 72"WIDTH, NFPA701 | PRIVACY CURTAIN TO BE INSTALLED W/COORDINATING CEILING TRACK, CARRIERS, AND WAND | SPA |
| | CC2 | INPRO CORPORATION | CLICKEZE, SHIELD FABRIC, ALOFT (SHOWER CURTAIN) | TBD | 12"EZE MESH TOP | | SHOWER CURTAIN |
| **10 26 13** | **CG, EW, WP, HR** | | | | | | |
| **CORNER PROTECTION** | CG1 | INPRO CORPORATION | 160 HIGH IMPACT CORNER GUARD, MATERIAL RIGID VINYL | 0113 TAUPE | 2" WIDE WING, 90 &135 DEGREES, ALUMINUM RETAINER, INCLUDE FLEXIBLE TOP CAP | INSTALL 48" HIGH PRODUCT ABOVE BASE, U.N.O.; INSTALL PRODUCT ABOVE BASE TO UNDERSIDE OF HANDRAIL BACKER ONLY AT CORRIDOR CONDITIONS | |
| **END WALL PROTECTION** | EW1 | INPRO CORPORATION | 160 HIGH IMPACT END-WALL GUARD, MATERIAL RIGID VINYL | 0113 TAUPE | 2" WIDE WING, 90 DEGREES, ALUMINUM RETAINER | INSTALL 48" HIGH PRODUCT ABOVE BASE; INCLUDE FLEXIBLE TOP CAP | |
| **WALL PROTECTION** | WP1 | INPRO CORPORATION | PALLADIUM RIGID SHEET, MATERIAL RIGID VINYL | 0113 TAUPE | SIZE: 4' X 8' AND 4' X 10' SHEETS | INSTALL USE COORDINATING TOP CAP. INSIDE CORNER, AND DIVIDER BAR ABOVE BASE; REFER TO ROOM FINISH SCHEDULE FOR... | |
| **WALL GUARD** | WG1 | INPRO CORPORATION | 200 WALL GUARD CRASH RAIL, MATERIAL RIGID VINYL | 0113 TAUPE | SIZE: 1-1/8" | INSTALL USE COORDINATING END CAPS; REFER TO FINISH PLANS FOR HEIGHTS | |
| **DOOR PROTECTION** | DP1 | INPRO CORPORATION | PALLADIUM KICKPLATE, MATERIAL RIGID VINYL, 0.040 IN THICKNESS | WOODGRAINS TBD | SIZE: 36" H (SEE DOOR SCHEDULE FOR WIDTH) | INSTALL AT TRAFFIC SIDE OF DOOR WITH WOOD GRAN GOING IN THE SAME DIRECTION OF DOOR WOOD GRAIN, INSTALL PER MANUFACTURER INSTRUCTIONS | AS NOTED IN DOOR SCHEDULE |
| | DP2 | INPRO CORPORATION | PALLADIUM DOOR EDGE, MATERIAL RIGID VINYL, 0.060 IN THICKNESS | WOODGRAINS TBD | SIZE: 36" H, U-SHAPED (SEE DOOR SCHEDULE FOR WIDTH) | CEMENT-ON INSTALL AT VERTICAL EDGE OF DOOR, TO ALWAYS BE INSTALLED WITH DP1 | AS NOTED IN DOOR SCHEDULE |
| **HANDRAIL** | HR1 | INPRO CORPORATION | 900 SERIES HANDRAIL, ROUND PROFILE, MATERIAL RIGID VINYL; STAINLESS STEEL BRACKET | SOLID CLR TBD | 1-1/4" X 2-1/4"GRIPPING SURFACE | REFER TO ELEVATIONS/PLANS | CORRIDORS |
| **CHAIR RAIL** | CR1 | SPECIES AMPLE | WOOD | CUSTOM STAINED TO MATCH PLAM1 | SEE DETAILS AND ELEVATIONS | MITER CORNERS AT ALL TRIM LOCATIONS, EASE ALL EDGES FOR SMOOTH AND NOT SHARP CORNERS | CORRIDOR HANDRAIL BACKER |
| **12 24 13** | **WT** | | | | | | |
| **WINDOW TREATMENTS** | WT1 | SPRING WINDOW FASHIONS | DUAL ROLLER SHADE; NIGHTFALL BLACK-OUT SHADE AND 3% OPENNESS FACTOR | COLOR: TBD | VALANCE/FASCIA: COLOR TBD | INSTALL INSIDE MOUNTED | RESIDENT ROOMS |
| | WT2 | SPRING WINDOW FASHIONS | ROLLER SHADE; 3% OPENNESS FACTOR | COLOR: TBD | VALANCE/FASCIA: COLOR TBD | INSTALL INSIDE MOUNTED | COMMON AREAS |

**100% CD SET**

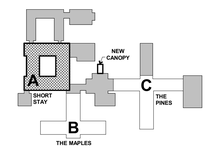
# Nelson Care Center Renovation

420 12th Ave E,
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246040


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Alexandria, MN 56308

**WOLD ARCHITECTS AND ENGINEERS**
50 South 6th Street, Suite 2250
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woldae.com | 612 772 9025


## KEY PLAN

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**

Sara Malin
License Number: **40063** Date **08/29/2025**

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **ADDENDUM #2** | **9/11/2025** | **1** |

Comm: **246040**
Date: **08/29/2025**
Drawn: **JDV/ CN**
Check: **EN**

North

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

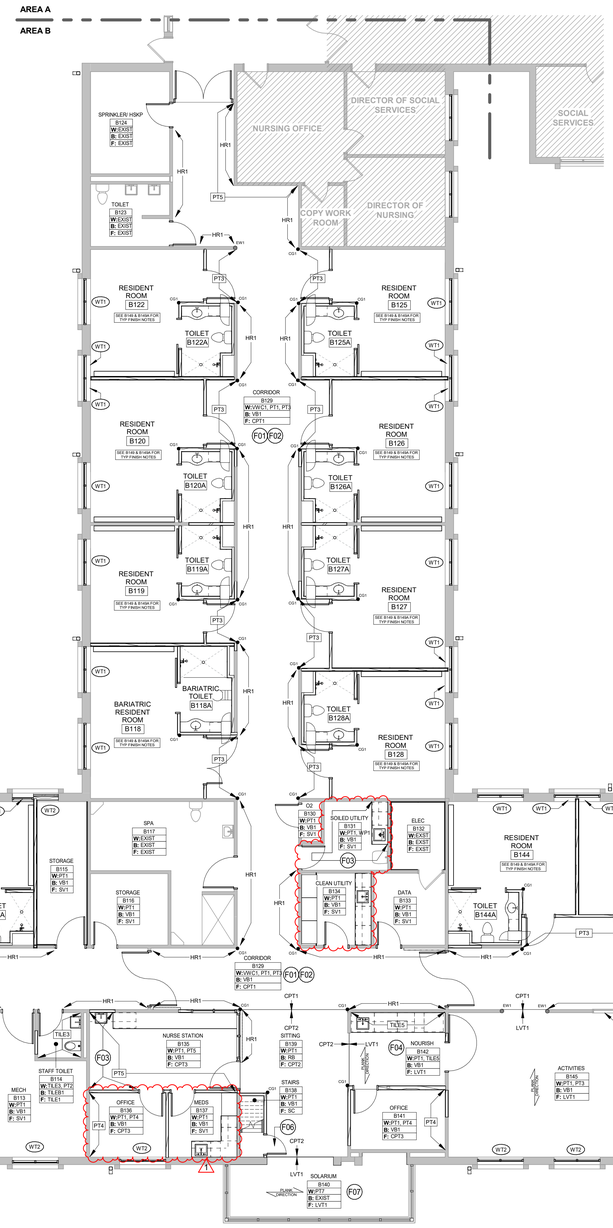
# FIRST FLOOR FINISH PLAN - AREA A & MATERIAL ID

# A4.00a


Architect Record Drawings - Nelson Care Center Renovation/246040 - Nelson Care Center - Rev246040.rvt
Central - Saved by mmaas@woldae.com on Monday, 9/8/2025 - 10:39:04 AM - Printed by mmaas - Monday, 9/8/2025 at 10:40:01 AM

# MN

HOME
BATHROOM




## FINISH PLAN KEY NOTES:

- F01 REINSTALL ALL EXISTING SALVAGED HANDRAILS (FROM AREAS B AND C) IN AREA B, WOOD BACKERBOARD TO BE NEW. MODIFY AND PROVIDE NEW BRACKETS AS REQ'D.
- F02 PROVIDE CORRIDOR HANDRAIL FINISHES PER DETAIL C4/A0.001 . AT BRICK WALLS, OMIT WALL COVERING & TRIM AND PROVIDE HANDRAIL ONLY.
- F03 PROVIDE WP1 ON THESE WALLS TO 4'-0" ABOVE BASE AND PT1 ABOVE UNLESS A DIFFERENT PAINT COLOR IS NOTED ON FINISH PLANS.
- F04 SEE ELEVATIONS FOR FINISH HEIGHTS AND LOCATIONS.
- F05 PAINT EXISTING WINDOW/ BORROWED LITE FRAME SAME COLOR AS ADJACENT WALL FINISH, BOTH SIDES.
- F06 PAINT DOOR AND FRAME SAME COLOR AS ADJACENT WALL FINISH.
- F07 PAINT PT7 TO EXISTING BRICK SURFACES ONLY. FIELD VERIFY LOCATION AND EXTENT OF EXISTING BRICK PRIOR TO APPLICATION.
- F08 PROVIDE WALL GUARD, WG1, HORIZONTALLY AT 1'-0" AFF.
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3. PAINT THE FOLLOWING TO MATCH ADJACENT WALLS: MISC. METALS, ACCESS PANELS, ETC.
4. PROVIDE THIN LAYER OF SILICONE BEAD AT PERIMETER OF ALL DOOR FRAMES AND BORROWED LIGHTS AFTER INSTALLATION OF WALLCOVERINGS. DOOR FRAMES ON PAINTED WALLS SHOULD RECEIVE THIN PAINTABLE SILICONE BEAD AT PERIMETER PRIOR TO PAINTING.
5. PROVIDE GYPSUM BOARD SOFFIT ABOVE CASEWORK UNLESS OTHERWISE NOTED. (SEE CASEWORK ELEVATIONS AND REFLECTED CEILING PLANS.)
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7. ALL INTERIOR FINISHES MUST BE INSTALLED BY A CERTIFIED INSTALLER PER MANUFACTURER'S INSTRUCTIONS.
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11. ALL WINDOW SILLS ARE TO BE SOLID SURFACE, SSF3.
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15. FIELD VERIFY EXISTING CONDITIONS AT TRANSITIONS BETWEEN EXISTING AND NEW.
16. WALLS IN AREA B AND C TO RECEIVE ORANGE PEEL PAINT FINISH.

PROVIDE FLOORING TRANSITIONS PER DETAIL F7/A4.711
PROVIDE TILE TRANSITIONS PER DETAIL D2/A4.711

- CORNER GUARD, CG1 - SEE DETAIL D4/A4.711
- ENDWALL GUARD, EW1 - SEE DETAIL C4/A4.711
- WT1 WINDOW TREATMENT, WT1 - SEE MATERIAL ID.
- WT2 WINDOW TREATMENT, WT2 - SEE MATERIAL ID.

TYPICAL AREA B RESIDENT ROOM AND BATHROOM FINISHES, APPLIES TO ALL AREA B RESIDENT ROOMS

F1 FIRST FLOOR FINISH PLAN - AREA B
1/8" = 1'-0"
0 6' 12'

A

100% CD SET

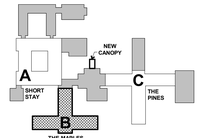
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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed ARCHITECT under the laws of the State of MINNESOTA

Sara Malin
License Number: 40063 Date 08/29/2025

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| ADDENDUM #2 | 9/11/2025 | 1 |

Comm: 246040
Date: 08/29/2025
Drawn: JDV/ CN
Check: EN

North

## FIRST FLOOR FINISH PLAN - AREA B

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

# A4.00b


Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_Rev2025.rvt
Central - Sharing Incorporated Docs on Hubert 2/28/25 - Terminal Home Maintenance Expanding.rvt - JADVCN@woldae
Printed: 9/11/2025 3:48:16 PM

# MN

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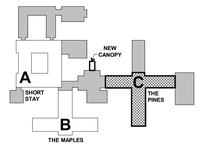
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## KEY PLAN

F1 FIRST FLOOR FINISH PLAN - AREA C
1/8" = 1'-0"
0 6' 12'

F5 FIRST FLOOR FINISH PLAN - AREA C - DINING
1/8" = 1'-0"
0 6' 12'

100% CD SET

# A

Architect Reg.#:55459 Nelson Care Center Renovation#246040 Nelson Care Center_Area B&C.rvt Central Time is currently UTC-5 in the Central Time Zone. Daylight Saving Time is observed. Last Archive/Save 8/29/2025 2:04:21 PM by JDV/ CN

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woldae.com | 612 772 9025

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

Sara Malin
License Number: 40063 Date 08/29/2025

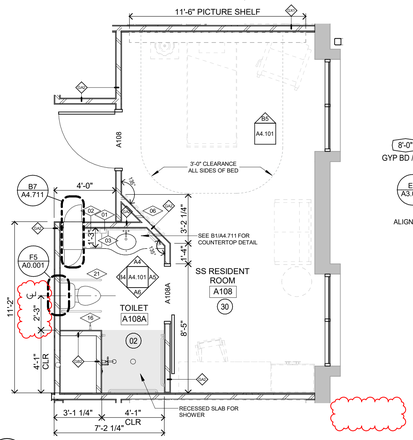
| Revisions | | |
|---|---|---|
| Description | Date | Num |
| ADDENDUM #2 | 9/11/2025 | 1 |

Comm: 246040
Date: 08/29/2025
Drawn: JDV/ CN
Check: EN
North

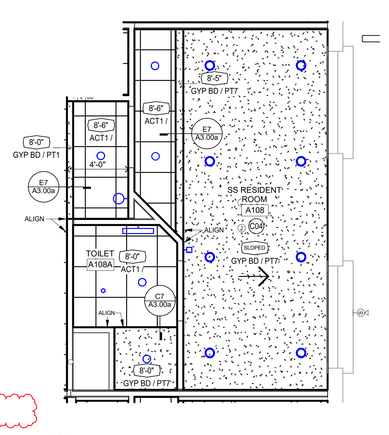
Scale: 1/8" = 1'-0"

**A4.00c**

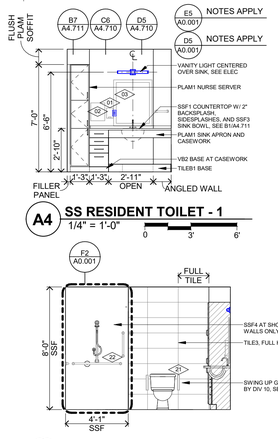
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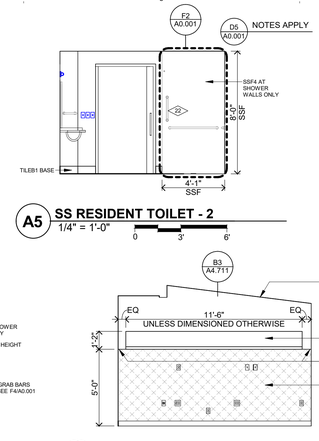

**B1** ENLARGED PLAN - TYPICAL AREA A RESIDENT ROOM
1/4" = 1'-0"



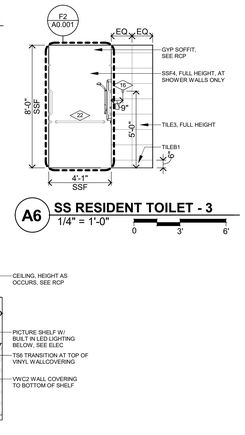

**B2** ENLARGED RCP - SHORT STAY ROOM
1/4" = 1'-0"



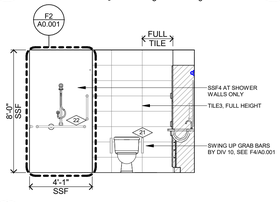

**A4** SS RESIDENT TOILET - 1
1/4" = 1'-0"



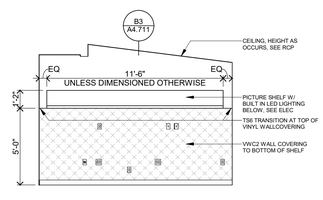

**A5** SS RESIDENT TOILET - 2
1/4" = 1'-0"



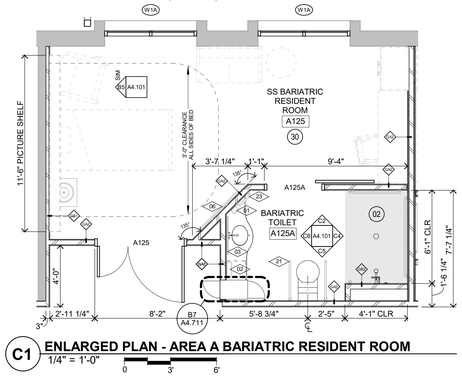

**A6** SS RESIDENT TOILET - 3
1/4" = 1'-0"



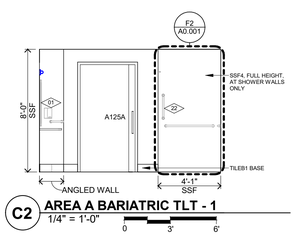

**B4** SS RESIDENT TOILET - 4
1/4" = 1'-0"



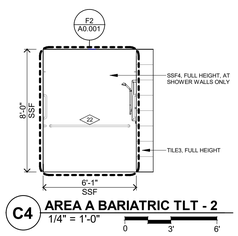

**B5** TYPICAL RESIDENT ROOM HEADWALL
1/4" = 1'-0"



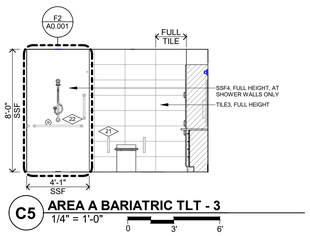

**C1** ENLARGED PLAN - AREA A BARIATRIC RESIDENT ROOM
1/4" = 1'-0"



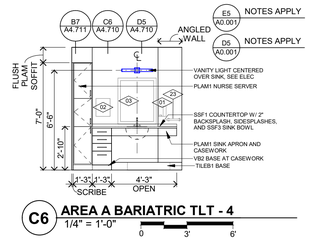

**C2** AREA A BARIATRIC TLT - 1
1/4" = 1'-0"




**C4** AREA A BARIATRIC TLT - 2
1/4" = 1'-0"




**C5** AREA A BARIATRIC TLT - 3
1/4" = 1'-0"




**C6** AREA A BARIATRIC TLT - 4
1/4" = 1'-0"

## FLOOR PLAN KEY NOTES:

01 STEEL SHIPS LADDER TO PENTHOUSE ABOVE.

02 AT SHADED AREA, RECESS SLAB 1" FOR SHOWER.

03 PROVIDE NEW SECOND LAYER OF 5/8" GYP BD ON EXISTING WALL.

04 PROVIDE LAYER OF 1/2" RESILIENT CHANNEL AND OUTSIDE LAYER OF 5/8" GYP BD TO RESIDENT ROOM SIDE OF EXISTING STUD FRAMING FOR NEW UL U305 ASSEMBLY

05 EVS MOP SINK AND SHIELD. INSTALL PER DETAILF2/A4.711

06 INFILL CONCRETE FLOOR SLAB AT REMOVAL OF BRICK FLOORING. POUR, DOWEL (IF REQUIRED), LEVEL, AND FEATHER INTO EXISTING SLAB.

07 ADD GYPSUM BOARD AND FURRING TO EXISTING WALL AS REQUIRED FOR FLUSH WALL FINISH

08 REINSTALL EXISTING SIGNAGE AFTER PAINTING.

09 PROVIDE 1 HOUR RATED ENCLOSURE AT EXISTING STRUCTURAL COLUMN IN WALL PER DETAIL A7/A4.701

10 PROVIDE RECESSED FLOOR MOUNTED ACCESS PANEL. SIZE TO MATCH EXISTING OPENING. VIF.

## RCP KEY NOTES:

C01 PATCH AND REPAIR EXISTING GYP CEILING AS REQUIRED FOR NEW WORK AND SMOOTH FINISH. PAINT ENTIRETY PT7.

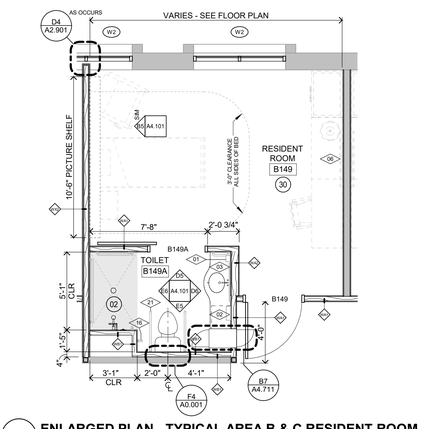
C02 MODIFY CEILING GRID AS REQUIRED FOR NEW WORK.

C03 PAINT SOFFIT AND UNDERSIDE SAME AS ADJACENT WALL FINISH, PT1, SEE FINISH PLAN.

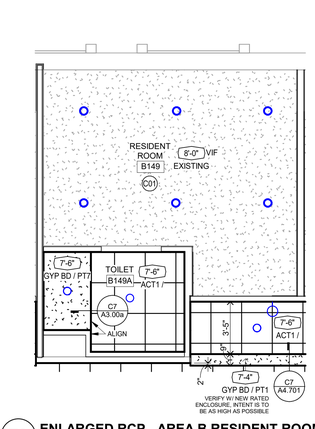
C04 SLOPED CEILING TO BE 5/8" GYP BOARD ON 7/8" METAL FURRING ATTACHED TO UNDERSIDE OF STRUCTURE.

ACCESSORY/EQUIPMENT SCHEDULE

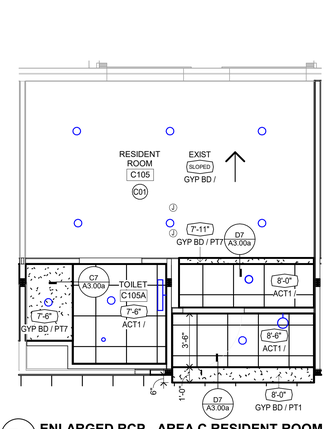
| Type Mark | Description | Provided By |
|---|---|---|
| 01 | WALL MOUNTED SOAP DISPENSER, COORD LOCATION W/ OWNER | OWNER SUPPLIED, CONTRACTOR INSTALLED |
| 02 | WALL MOUNTED PAPER TOWEL DISPENSER, COORD LOCATION W/ OWNER | OWNER SUPPLIED, CONTRACTOR INSTALLED |
| 03 | DECORATIVE WOOD MIRROR, BASIS OF DESIGN: 34" X 34" SIGNATURE HARDWARE BURFIELD BAMBOO | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
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| 06 | WALL MOUNTED TELEVISION, BLOCKING BY CONTRACTOR, COORD LOCATION W/ OWNER | OWNER SUPPLIED & INSTALLED |
| 07 | ROLL-UP WHEELCHAIR SCALE | OWNER SUPPLIED & INSTALLED |
| 08 | BASIS OF DESIGN: APOLLO SPA TUB W/ RESEVOIR | OWNER SUPPLIED, CONTRACTOR INSTALLED |
| 09 | SST FRAMED WALL MOUNTED MIRROR | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 10 | CEILING MOUNTED TRACK AND CUBICLE CURTAIN, CC1 | BY DIV 10 44 16, CONTRACTOR SUPPLIED & INSTALLED |
| 11 | PRINTER | OWNER SUPPLIED & INSTALLED |
| 12 | COMPUTER | OWNER SUPPLIED & INSTALLED |
| 13 | FRIDGE | OWNER SUPPLIED & INSTALLED |
| 14 | MED CART | OWNER SUPPLIED & INSTALLED |
| 15 | BLANKET WARMER | OWNER SUPPLIED & INSTALLED |
| 16 | TOWEL HOOK | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
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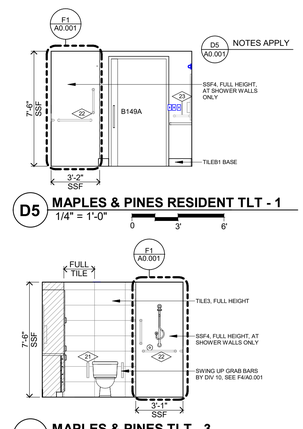

**E1** ENLARGED PLAN - TYPICAL AREA B & C RESIDENT ROOM
1/4" = 1'-0"



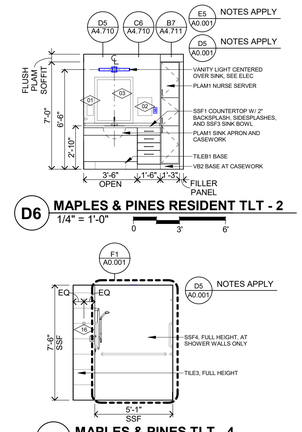

**E2** ENLARGED RCP - AREA B RESIDENT ROOM
1/4" = 1'-0"




**E3** ENLARGED RCP - AREA C RESIDENT ROOM
1/4" = 1'-0"




**E5** MAPLES & PINES TLT - 3
1/4" = 1'-0"



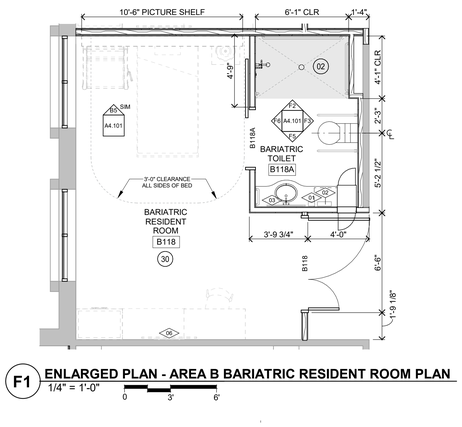

**D6** MAPLES & PINES RESIDENT TLT - 2
1/4" = 1'-0"



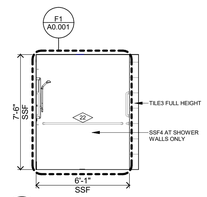

**E5** MAPLES & PINES TLT - 3
1/4" = 1'-0"



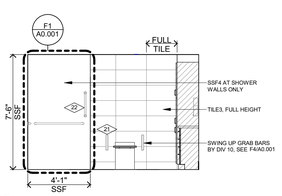

**E6** MAPLES & PINES TLT - 4
1/4" = 1'-0"



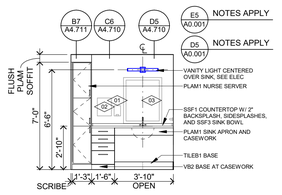

**F1** ENLARGED PLAN - AREA B BARIATRIC RESIDENT ROOM PLAN
1/4" = 1'-0"



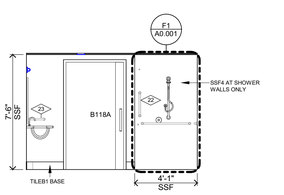

**F2** AREA B BARIATRIC TLT - 1
1/4" = 1'-0"




**F3** AREA B BARIATRIC TLT - 2
1/4" = 1'-0"




**F5** AREA B BARIATRIC TLT - 3
1/4" = 1'-0"




**F6** AREA B BARIATRIC TLT - 4
1/4" = 1'-0"

**A**

Architect Docs/246040 - Nelson Care Center Renovation/ARB/Sht - Nelson Care Center - Blank2022.rvt
Central - Apps-Computer(Scratch).rvt, Hiding Plane Manager.rvt, Keynote(All).xml, Mark Manager.rvt, Material Takeoff.rvt, Schedule Graphics.rvt, Sheet List.rvt, Title Block.rvt, Viewport Type.rvt

# Nelson Care Center Renovation

420 12th Ave E,
Alexandria, MN 56308

246040

**Vivie**
2209 Jefferson St. Suite 201
Alexandria, MN 56308

**WOLD ARCHITECTS AND ENGINEERS**
50 South 6th Street, Suite 2250
Minneapolis, Minnesota 55402
woldae.com | 612 772 9025

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**

**Sara Malin**
License Number: **40063** Date **08/29/2025**

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **ADDENDUM #2** | **9/11/2025** | **1** |

Comm: **246040**
Date: **08/29/2025**
Drawn: **JDV/ CN**
Check: **EN**
North

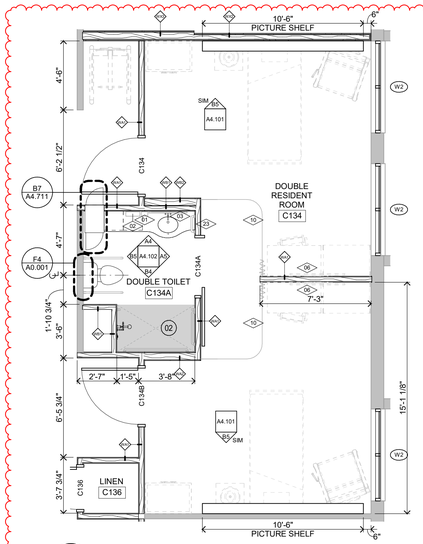
# ENLARGED PLANS & INTERIOR ELEVATIONS

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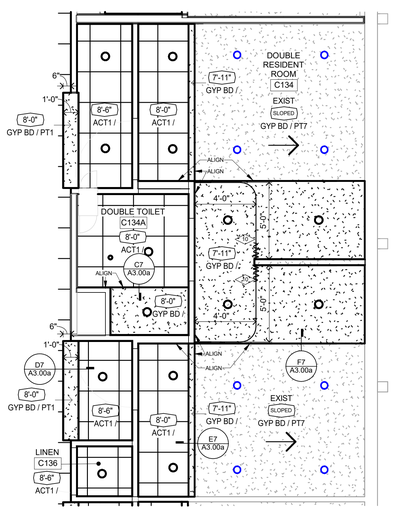
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# A4.101

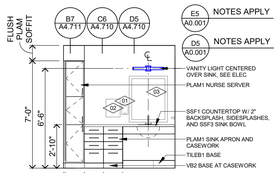
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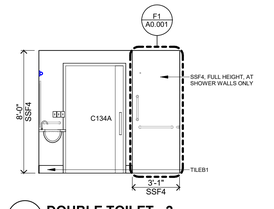

**B1** ENLARGED PLAN - AREA C DOUBLE RESIDENT ROOM
1/4" = 1'-0"
0 3' 6'



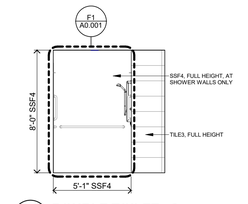

**B2** ENLARGED RCP - AREA C DOUBLE RESIDENT ROOM
1/4" = 1'-0"
0 3' 6'



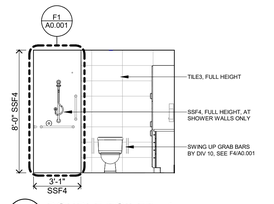

**A4** DOUBLE TOILET - 1
1/4" = 1'-0"
0 3' 6'




**A5** DOUBLE TOILET - 2
1/4" = 1'-0"
0 3' 6'

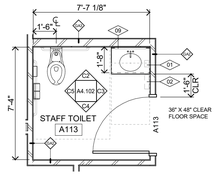



**B4** DOUBLE TOILET - 3
1/4" = 1'-0"
0 3' 6'

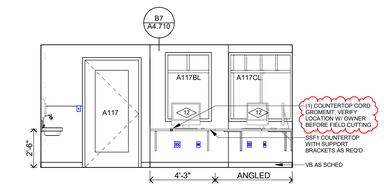



**B5** DOUBLE TOILET - 4
1/4" = 1'-0"
0 3' 6'

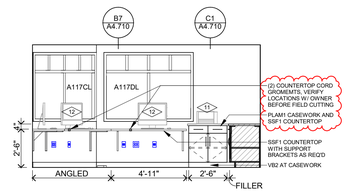
| ACCESSORY/EQUIPMENT SCHEDULE | | |
|---|---|---|
| Type Mark | Description | Provided By |
| 01 | WALL MOUNTED SOAP DISPENSER, COORD LOCATION W/ OWNER | OWNER SUPPLIED, CONTRACTOR INSTALLED |
| 02 | WALL MOUNTED PAPER TOWEL DISPENSER, COORD LOCATION W/ OWNER | OWNER SUPPLIED, CONTRACTOR INSTALLED |
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| 23 | TOWEL BAR | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |



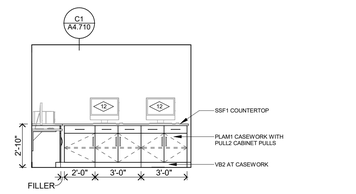
**MN**



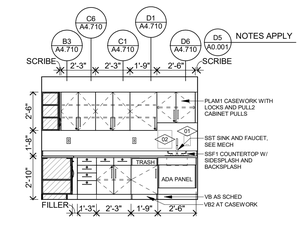

**A1 AREA A - NURSING OFFICE - 1**
1/4" = 1'-0"



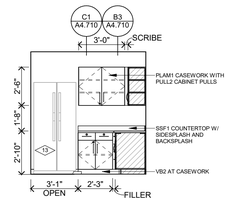

**A2 AREA A - NURSING OFFICE - 2**
1/4" = 1'-0"




**A3 AREA A - NURSING OFFICE - 3**
1/4" = 1'-0"

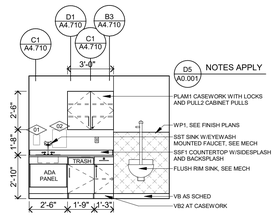



**A5 AREA A - MED ROOM - 1**
1/4" = 1'-0"

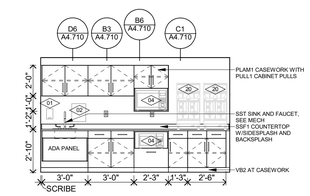



**A6 AREA A - MED ROOM - 2**
1/4" = 1'-0"

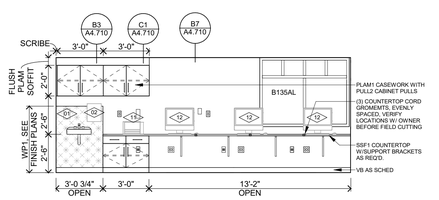
| ACCESSORY/EQUIPMENT SCHEDULE | | |
|---|---|---|
| Type Mark | Description | Provided By |
| 01 | WALL MOUNTED SOAP DISPENSER, COORD LOCATION W/ OWNER | OWNER SUPPLIED, CONTRACTOR INSTALLED |
| 02 | WALL MOUNTED PAPER TOWEL DISPENSER, COORD LOCATION W/ OWNER | OWNER SUPPLIED, CONTRACTOR INSTALLED |
| 03 | DECORATIVE WOOD MIRROR, BASIS OF DESIGN: 34" X 34" SIGNATURE HARDWARE BURFIELD BAMBOO | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 04 | MICROWAVE | OWNER SUPPLIED & INSTALLED |
| 05 | UNDER COUNTER FRIDGE | OWNER SUPPLIED & INSTALLED |
| 06 | WALL MOUNTED TELEVISION, BLOCKING BY CONTRACTOR, COORD LOCATION W/ OWNER | OWNER SUPPLIED & INSTALLED |
| 07 | ROLL-UP WHEELCHAIR SCALE | OWNER SUPPLIED & INSTALLED |
| 08 | BASIS OF DESIGN: APOLLO SPA TUB W/ RESEVOIR | OWNER SUPPLIED, CONTRACTOR INSTALLED |
| 09 | SST FRAMED WALL MOUNTED MIRROR | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 10 | CEILING MOUNTED TRACK AND CUBICLE CURTAIN, CC1 | BY DIV 10 44 16, CONTRACTOR SUPPLIED & INSTALLED |
| 11 | PRINTER | OWNER SUPPLIED & INSTALLED |
| 12 | COMPUTER | OWNER SUPPLIED & INSTALLED |
| 13 | FRIDGE | OWNER SUPPLIED & INSTALLED |
| 14 | MED CART | OWNER SUPPLIED & INSTALLED |
| 15 | BLANKET WARMER | OWNER SUPPLIED & INSTALLED |
| 16 | TOWEL HOOK | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 17 | BASIS OF DESIGN: APOLLO SPA TUB W/ RESEVOIR | OWNER SUPPLIED, CONTRACTOR INSTALLED |
| 18 | CEILING MOUNTED TRACK AND CUBICLE CURTAIN, CC1 | BY DIV 10 44 16, CONTRACTOR SUPPLIED & INSTALLED |
| 19 | DECORATIVE SPA MIRROR | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 20 | COFFEE MAKER | EXISTING TO BE SALVAGED AND REINSTALLED |
| 21 | SWING UP GRAB BARS | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 22 | GRAB BARS | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |
| 23 | TOWEL BAR | BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED |



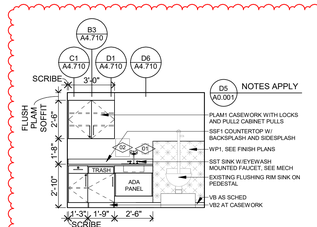

**B1 AREA A - SOILED UTILITY**
1/4" = 1'-0"



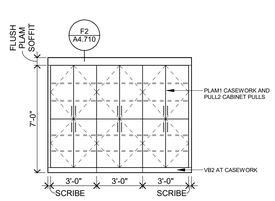

**B2 AREA B - NOURISH**
1/4" = 1'-0"



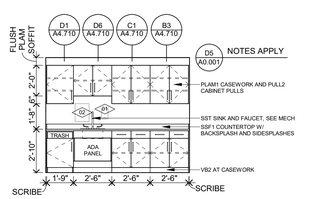

**B3 AREA B - NURSE STATION**
1/4" = 1'-0"



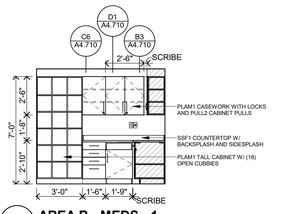

**B5 AREA B - SOILED UTILITY**
1/4" = 1'-0"



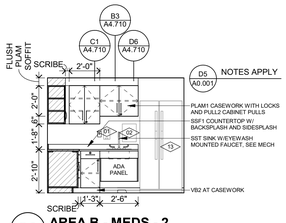

**B6 AREA B - CLEAN UTILITY - 1**
1/4" = 1'-0"



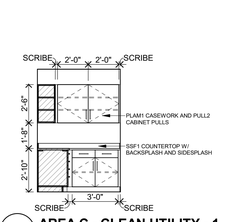

**B7 AREA B - CLEAN UTILITY - 2**
1/4" = 1'-0"



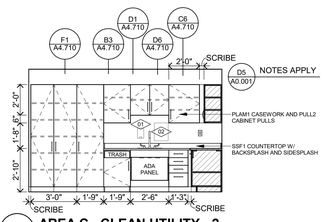

**C1 AREA B - MEDS - 1**
1/4" = 1'-0"



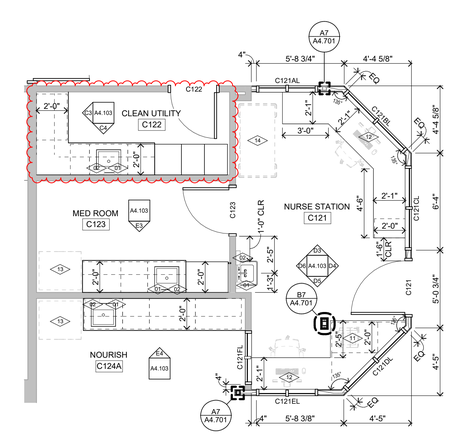

**C2 AREA B - MEDS - 2**
1/4" = 1'-0"



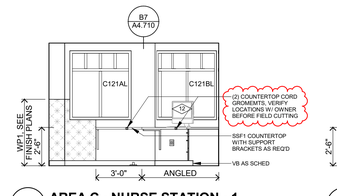

**C3 AREA C - CLEAN UTILITY - 1**
1/4" = 1'-0"



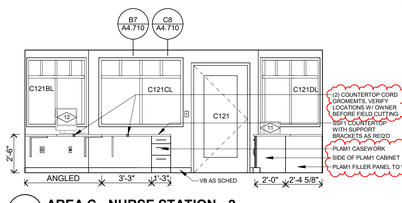

**C4 AREA C - CLEAN UTILITY - 2**
1/4" = 1'-0"



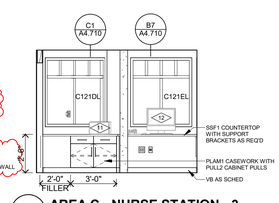

**E1 ENLARGED PLAN - AREA C - NURSE STATION**
1/4" = 1'-0"



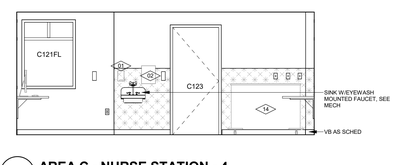

**D3 AREA C - NURSE STATION - 1**
1/4" = 1'-0"



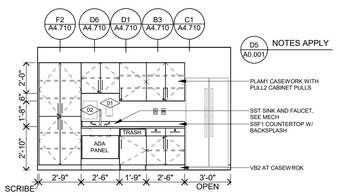

**D4 AREA C - NURSE STATION - 2**
1/4" = 1'-0"



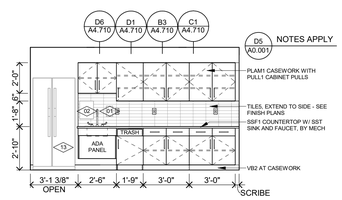

**D5 AREA C - NURSE STATION - 3**
1/4" = 1'-0"



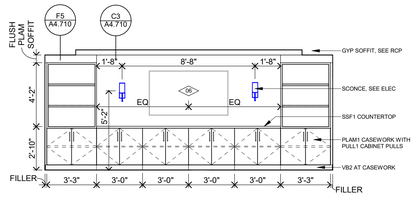

**D6 AREA C - NURSE STATION - 4**
1/4" = 1'-0"



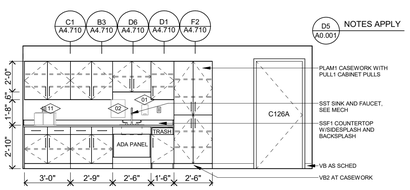

**E3 AREA C - MED ROOM - 1**
1/4" = 1'-0"



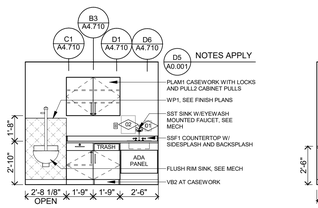

**E4 AREA C - NOURISH**
1/4" = 1'-0"



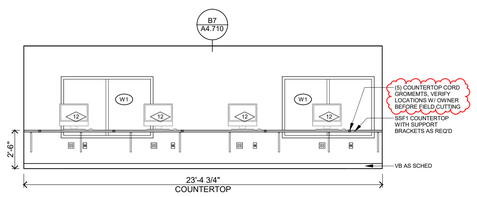

**E5 AREA C - LOUNGE**
1/4" = 1'-0"




**F1 AREA C - ACTIVITY OFFICE**
1/4" = 1'-0"




**F2 AREA C - SOILED UTILITY**
1/4" = 1'-0"




**F3 AREA C - NURSING OFFICE**
1/4" = 1'-0"

**A**

**100% CD SET**

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_Rev2022.rvt
Central: https://vividocs.autodesk.com/view/1234/3/a_Terminal Home Adventure/Central/Up_ARCH/Revit/Local
8/11/2025 3:43:36 PM

**Nelson Care Center Renovation**

420 12th Ave E,
Alexandria, MN 56308

246040

**Vivie**
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Alexandria, MN 56308

**WOLD ARCHITECTS AND ENGINEERS**
50 South 6th Street, Suite 2250
Minneapolis, Minnesota 55402
woldae.com | 612 772 9025

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**

Sara Malin
License Number: **40063** Date **08/29/2025**

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **ADDENDUM #2** | **9/11/2025** | **1** |

Comm: **246040**
Date: **08/29/2025**
Drawn: **JDV/ CN**
Check: **EN**

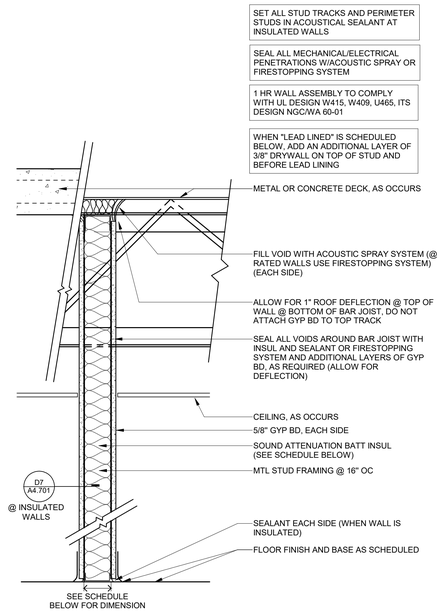
North

**ENLARGED PLANS & INTERIOR ELEVATIONS**

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

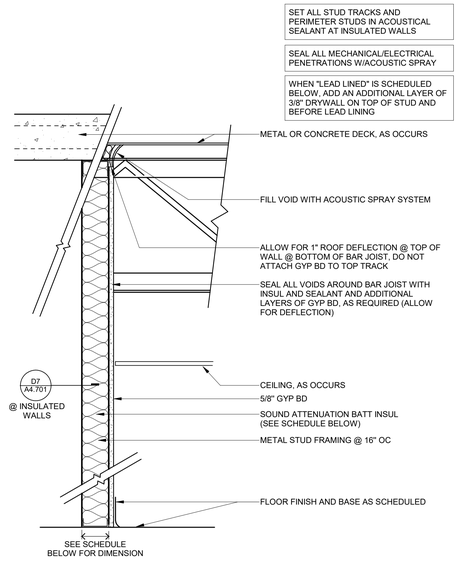
**A4.103**

MN



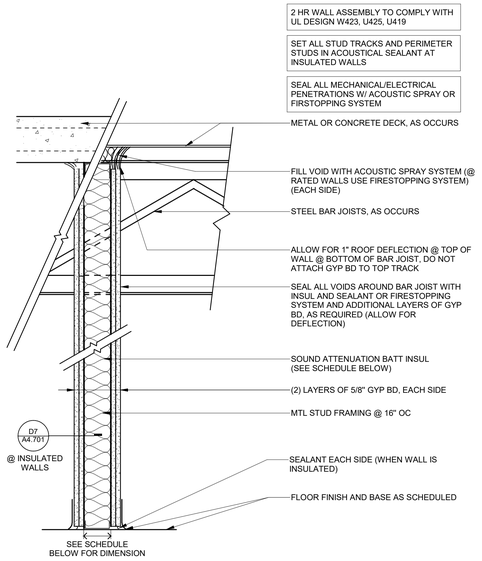

## WALL TYPE GA _

| TYPE | STUD SIZE | INSULATION | MIN STC | NOTES |
|---|---|---|---|---|
| GA1 | 2 1/2" | NONE | | |
| GA2 | 3 5/8" | SOUND BATT | 48 | |
| GA3 | 6" | SOUND BATT | 48 | |




## WALL TYPE GB _

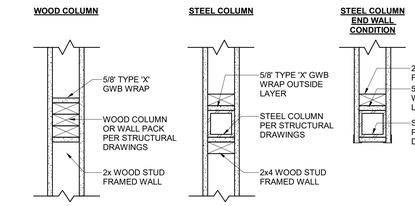
| TYPE | STUD SIZE | INSULATION | MIN STC | NOTES |
|---|---|---|---|---|
| GB1 | 2 1/2" | NONE | | |
| GB2 | 3 5/8" | NONE | | |




## WALL TYPE GX_

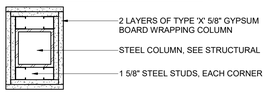
| TYPE | STUD SIZE | INSULATION | MIN STC | NOTES |
|---|---|---|---|---|
| GX1 | 3 5/8" | SOUND BATT | 48 | 2 LAYERS 5/8" GYP RESIDENT ROOM SIDE ONLY |
| GX2 | 3 5/8" | SOUND BATT | 50 | 2 LAYERS 5/8" GYP BOTH SIDES |

# METAL STUD WALL TYPES

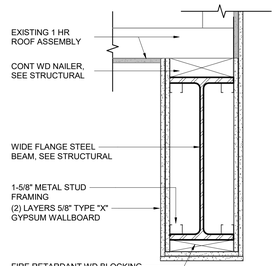



**A7** 1 HOUR RATED STRUCTURAL COLUMN ENCLOSURE IN WALL
1 1/2" = 1'-0"

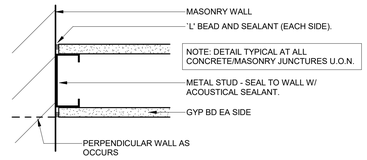
**NOTES:**
- UL ASSEMBLY X528 1-HR
- 1-HR COLUMN WRAP TERMINATES AT DIRECT UNDERSIDE OF 1-HR ASSEMBLY ABOVE



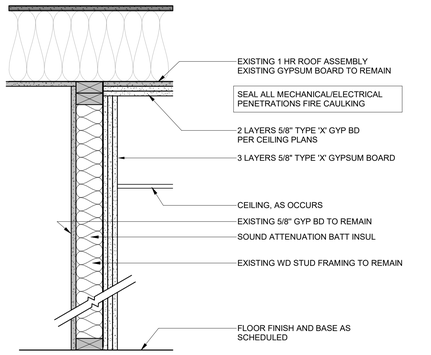

**B7** 1 HOUR RATED STRUCTURAL COLUMN ENCLOSURE
1 1/2" = 1'-0"

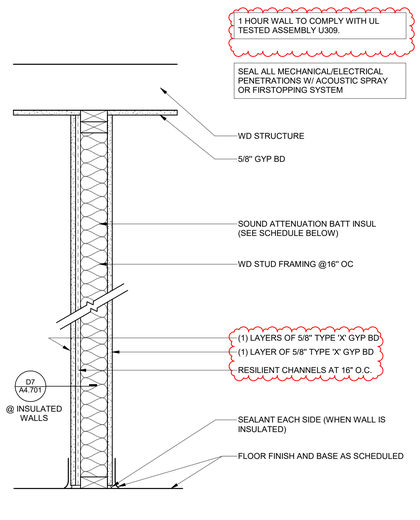



**C7** 1 HOUR RATED STRUCTURAL BEAM ENCLOSURE
1 1/2" = 1'-0"



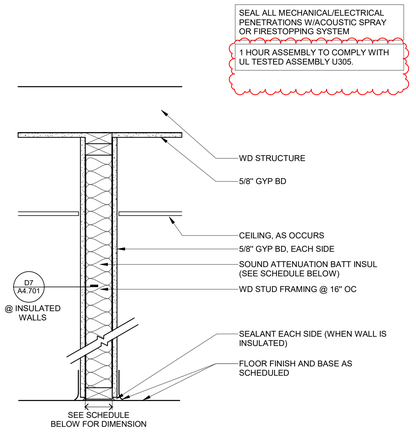

**D7** GYP. BD. WALL JUNCTION
3" = 1'-0"



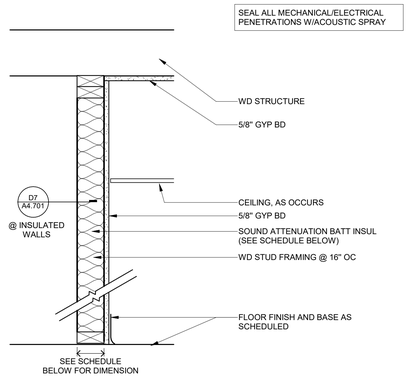

## WALL TYPE WX_

| TYPE | STUD SIZE | INSULATION | MIN STC | NOTES |
|---|---|---|---|---|
| WX1 | 3 1/2" | SOUND BATT | 50 | |
| WX2 | 3 1/2" | SOUND BATT | 50 | |
| WX3 | 5 1/2" | SOUND BATT | 50 | |




## WALL TYPE WA _

| TYPE | STUD SIZE | INSULATION | MIN STC | NOTES |
|---|---|---|---|---|
| WA1 | 3 1/2" | SOUND BATT | | |
| WA2 | 5 1/2" | SOUND BATT | | |




## WALL TYPE WB _

| TYPE | STUD SIZE | INSULATION | MIN STC | NOTES |
|---|---|---|---|---|
| WB1 | 3 1/2" | NONE | | |
| WB2 | 5 1/2" | NONE | | |
| WB4 | <varies> | NONE | | |




## WALL TYPE WZ_

# WOOD STUD WALL TYPES

A

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_Rev2025.rvt
Central: https://connect.trimble.com/region/us-west-2/hub/4e1e1e1e-1e1e-1e1e-1e1e-1e1e1e1e1e1e/project/4e1e1e1e-1e1e-1e1e-1e1e-1e1e1e1e1e1e
8/11/2025 3:45:52 PM

**Nelson Care Center Renovation**

420 12th Ave E,
Alexandria, MN 56308

246040

**Vivie**
2209 Jefferson St. Suite 201
Alexandria, MN 56308

**WOLD ARCHITECTS AND ENGINEERS**
50 South 6th Street, Suite 2250
Minneapolis, Minnesota 55402
woldae.com | 612 772 9025

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**

**Sara Malin**
License Number: **40063** Date **08/29/2025**

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **ADDENDUM #2** | **9/11/2025** | **1** |

Comm: **246040**
Date: **08/29/2025**
Drawn: **JDV/ CN**
Check: **EN**
North

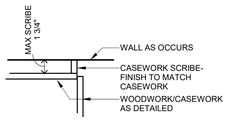
Scale: **As indicated**

# DETAILS - INTERIOR WALL TYPES

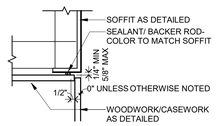
**100% CD SET**

# A4.701

MN

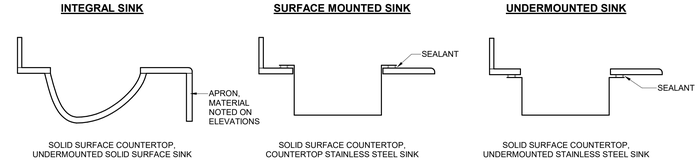



## A1 PLAN AT CASEWORK
1 1/2" = 1'-0"

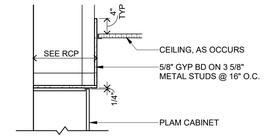



## A2 SECTION AT CASEWORK
1 1/2" = 1'-0"

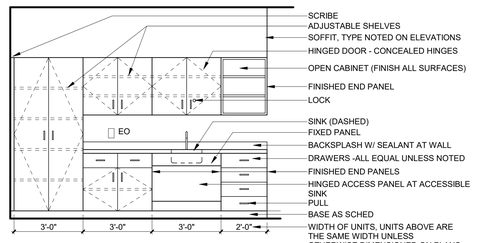
NOTE: SEE INTERIOR ELEVATIONS & MECH FOR TYPE




## A3 INT DTL - SINK CONDITIONS
1 1/2" = 1'-0"



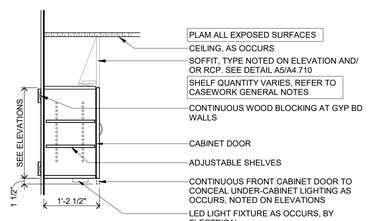

## A5 INT DTL - SOFFIT CONDITIONS
3/4" = 1'-0"



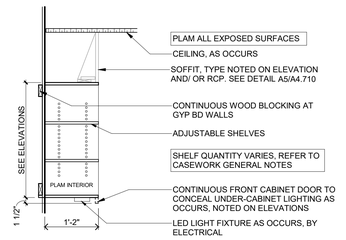

## B1 MILLWORK GENERAL INFORMATION
3/8" = 1'-0"

**CASEWORK/ MILLWORK GENERAL NOTES:**

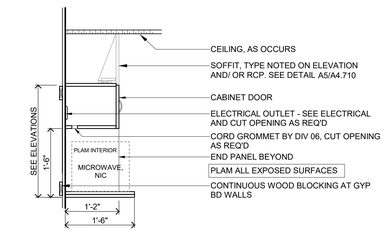
1. THIS IS AN INFORMATION SHEET AND IS INTENDED ONLY TO IDENTIFY THE COMPONENTS OF CABINETWORK ON SUBSEQUENT DRAWINGS.
2. WHERE A 90 DEGREE CORNER OCCURS, EXTEND BASE AND OR WALL CABINET (AND ADJUSTABLE SHELVES AS THEY OCCUR) INTO BLIND CORNER.
3. ELECTRICAL OUTLETS (EO) ARE SHOWN AS THEY RELATE TO MILLWORK. COORDINATE/ SEE ELECTRICAL
4. 1 3/4" MAX SCRIBE WIDTH PER SIDE. IF OPENING IS LARGER THAN 3 1/2", ADD ANOTHER 3" TO A CASEWORK UNIT.



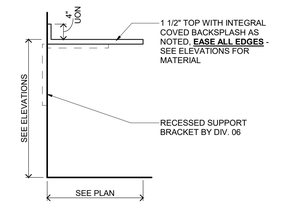

## B3 SECTION AT UPPER CABINET
3/4" = 1'-0"



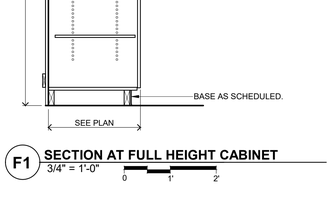

## B4 SECTION AT UPPER CAB, OPEN
3/4" = 1'-0"



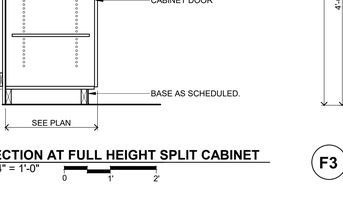

## B6 SECTION AT UPPER CABINET MICROWAVE
3/4" = 1'-0"



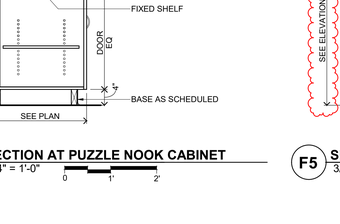

## B7 SECTION AT OPEN COUNTERTOP
3/4" = 1'-0"



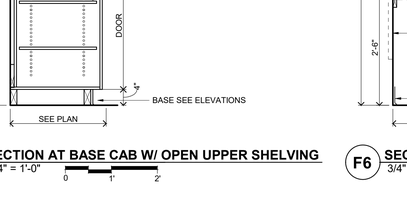

## C1 SECTION AT BASE CABINET
3/4" = 1'-0"



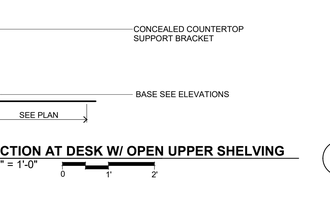

## C2 SECTION AT SINK BASE CABINET
3/4" = 1'-0"



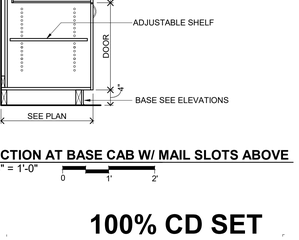

## C3 SECTION AT BASE CABINET W/ NO DRAWER
3/4" = 1'-0"




## C5 SECTION AT BASE CABINET W/ 4 EQUAL DRAWERS
3/4" = 1'-0"




## C6 SECTION AT BASE CABINET W/ 4 DRAWERS
3/4" = 1'-0"




## C8 SECTION AT BASE CABINET W/ 3 DRAWERS
3/4" = 1'-0"




## D1 SECTION AT ROLL-IN BASE CABINET
3/4" = 1'-0"




## D2 SECTION AT MICROWAVE BASE CABINET
3/4" = 1'-0"




## D3 SECTION AT OPEN BASE CABINET
3/4" = 1'-0"




## D5 SECTION AT RESIDENT ROOM SINK
3/4" = 1'-0"




## D6 SECTION AT ACCESSIBLE SINK
3/4" = 1'-0"




## F1 SECTION AT FULL HEIGHT CABINET
3/4" = 1'-0"




## F2 SECTION AT FULL HEIGHT SPLIT CABINET
3/4" = 1'-0"




## F3 SECTION AT PUZZLE NOOK CABINET
3/4" = 1'-0"




## F5 SECTION AT BASE CAB W/ OPEN UPPER SHELVING
3/4" = 1'-0"




## F6 SECTION AT DESK W/ OPEN UPPER SHELVING
3/4" = 1'-0"




## F7 SECTION AT BASE CAB W/ MAIL SLOTS ABOVE
3/4" = 1'-0"

Autodesk Docs://246040 - Wolde Care Center Renovation/246040 - Wolde Care Center_Rev2025.rvt
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8/11/2025 3:45:54 PM

A

100% CD SET

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246040

**Vivie**
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**WOLD ARCHITECTS AND ENGINEERS**
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Minneapolis, Minnesota 55402
woldae.com | 612 772 9025

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**Sara Malin**
License Number: **40063** Date **08/29/2025**

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **ADDENDUM #2** | **9/11/2025** | **1** |

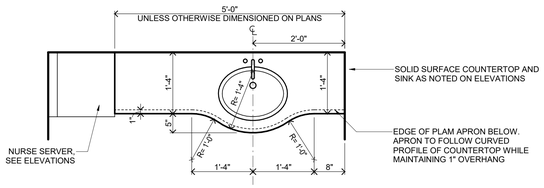
Comm: **246040**
Date: **08/29/2025**
Drawn: **JDV/ CN**
Check: **EN**
North

# DETAILS - INTERIOR

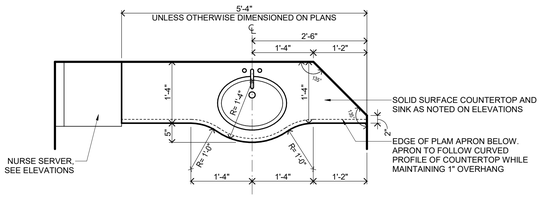
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# A4.710

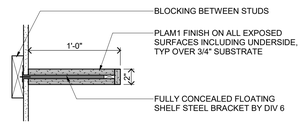
**MN**



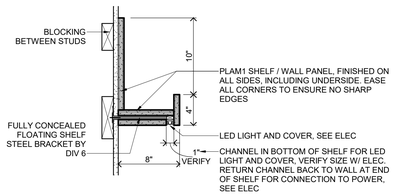

**A1 PLAN AT TYPICAL RESIDENT VANITY COUNTERTOP**
3/4" = 1'-0"



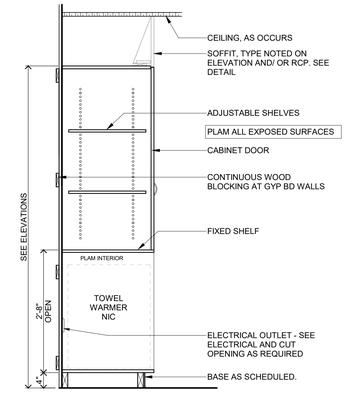

**B1 PLAN AT AREA A RESIDENT VANITY COUNTERTOP**
3/4" = 1'-0"



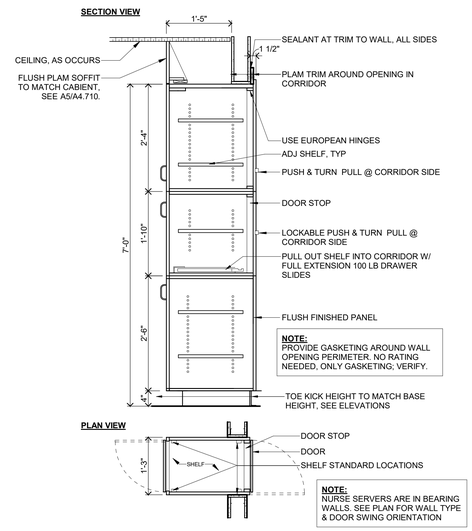

**A3 SECTION AT FLOATING SHELF**
1 1/2" = 1'-0"



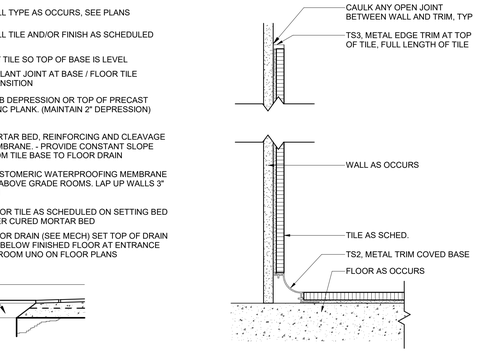

**B3 SECTION AT RESIDENT ROOM PICTURE SHELF**
1 1/2" = 1'-0"




**B4 SECTION AT FULL HEIGHT TOWEL WARMER CABINET**
3/4" = 1'-0"



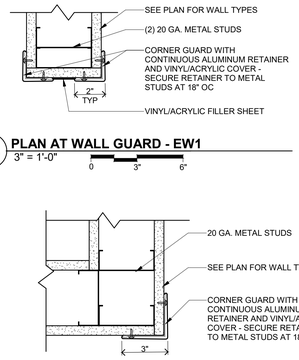

**B7 INT DTL - CASEWORK - NURSE SERVER**
3/4" = 1'-0"



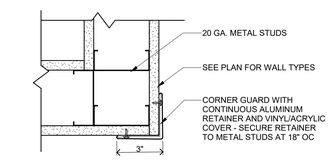

**D1 TYP TOILET ROOM SECTION**
3" = 1'-0"



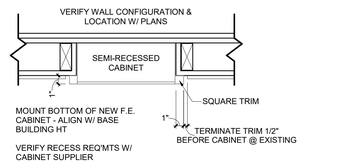

**D2 INT DTL - SCHLUTER EDGE DETAILS**
3" = 1'-0"



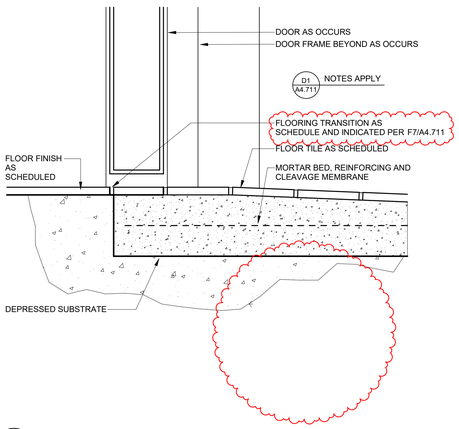

**C4 PLAN AT WALL GUARD - EW1**
3" = 1'-0"



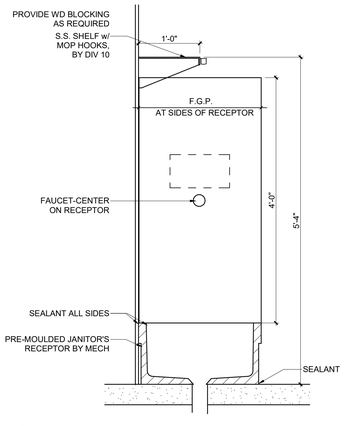

**D4 PLAN AT WALL GUARD - CG1**
3" = 1'-0"



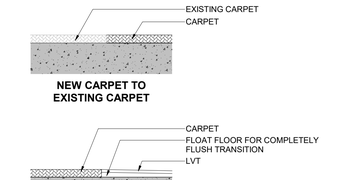

**E4 INT DTL - FIRE EXTINGUISHER CAB, SEMI-RECESSED**
1 1/2" = 1'-0"




**F1 TYP TOILET ROOM THRESHOLD**
6" = 1'-0"




**F2 INT DTL - PLMB DTL - EVS MOP SINK AND SHIELD**
1" = 1'-0"




**F7 FLOORING TRANSITIONS**
6" = 1'-0"

**A**

Architect Firm #38834 Nelson Care Center Renovation#246040 Master Door Center_Rev2025.rvt
Central Time (Chicago)8/28/2025 10:47:54 PM Nursing Home Residential Care/Living/D_ARCH/Archive
8/11/2025 3:43:57 PM

# Nelson Care Center Renovation

420 12th Ave E,
Alexandria, MN 56308

246040

**Vivie**
2209 Jefferson St. Suite 201
Alexandria, MN 56308

**WOLD ARCHITECTS AND ENGINEERS**
50 South 6th Street, Suite 2250
Minneapolis, Minnesota 55402
woldae.com | 612 772 9025

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**

Sara Malin
License Number: **40063** Date: **08/29/2025**

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **ADDENDUM #2** | **8/11/2025** | **1** |

Comm: **246040**
Date: **08/29/2025**
Drawn: **JDV/ CN**
Check: **EN**
North

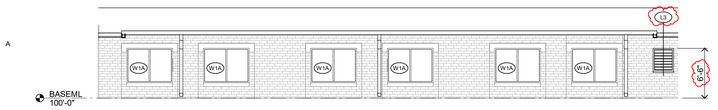
## DETAILS - INTERIOR

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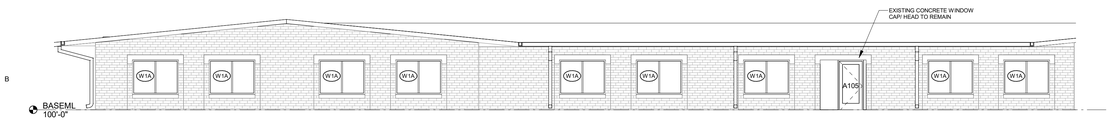
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# A4.711

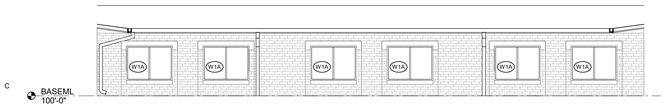
MN



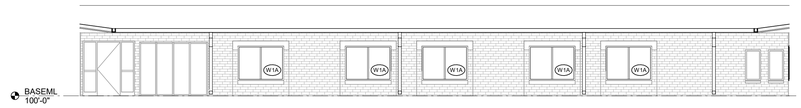

**A1** AREA A - EXTERIOR ELEVATION - SOUTH
1/8" = 1'-0"
0 6' 12'



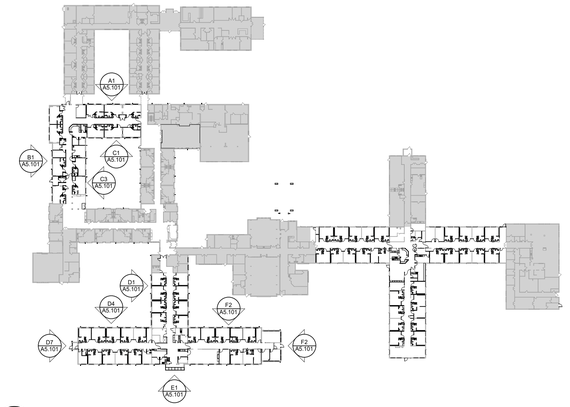

**B1** AREA A - EXTERIOR ELEVATION - EAST
1/8" = 1'-0"
0 6' 12'



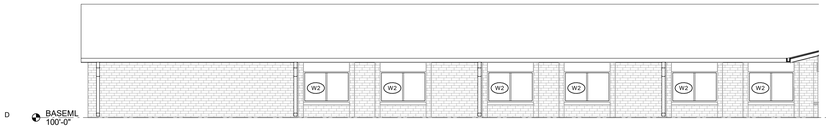

**C1** AREA A - COURTYARD ELEVATION - NORTH
1/8" = 1'-0"
0 6' 12'



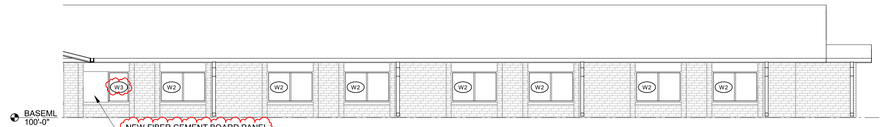

**C3** AREA A - COURTYARD ELEVATION - WEST
1/8" = 1'-0"
0 6' 12'




**B6** EXTERIOR ELEVATIONS KEY
1" = 80'-0"
0 60' 120'



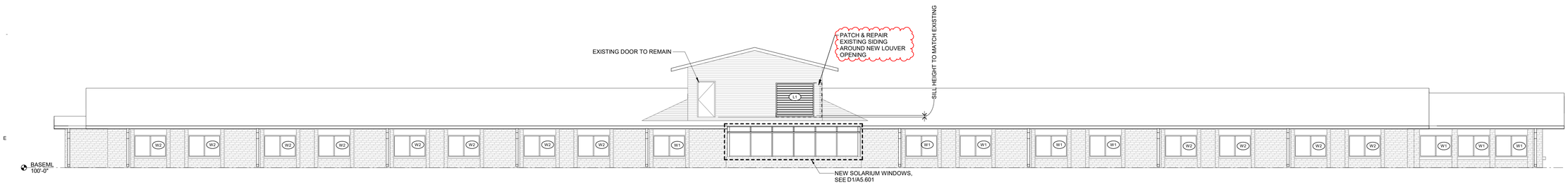

**D1** AREA B - EXTERIOR ELEVATION - EAST
1/8" = 1'-0"
0 6' 12'




**D4** AREA B - EXTERIOR ELEVATION - SOUTH
1/8" = 1'-0"
0 6' 12'




**D7** AREA B - EXTERIOR ELEVATION - EAST
1/8" = 1'-0"
0 6' 12'




**E1** AREA B - EXTERIOR ELEVATION - NORTH
1/8" = 1'-0"
0 6' 12'




**F1** AREA B - EXTERIOR ELEVATION - WEST
1/8" = 1'-0"
0 6' 12'




**F2** AREA B - EXTERIOR ELEVATION - SOUTH
1/8" = 1'-0"
0 6' 12'

A

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Comm: **246040**
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Drawn: **JDV/ CN**
Check: **EN**

North

## EXTERIOR ELEVATIONS

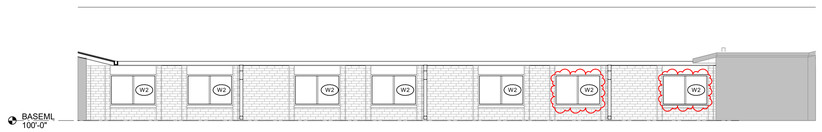
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**100% CD SET**

# A5.101


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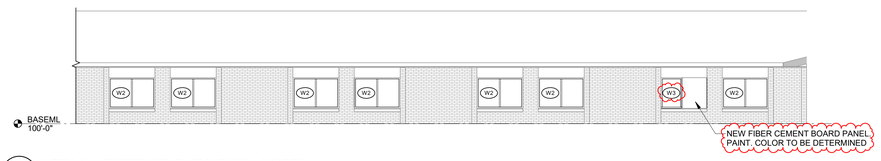
MN



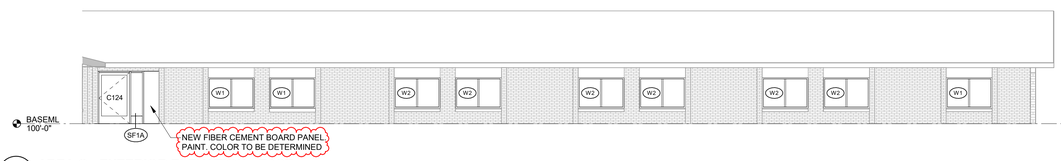

A1 AREA B - EXTERIOR ELEVATION - WEST
1/8" = 1'-0"
0 6' 12'



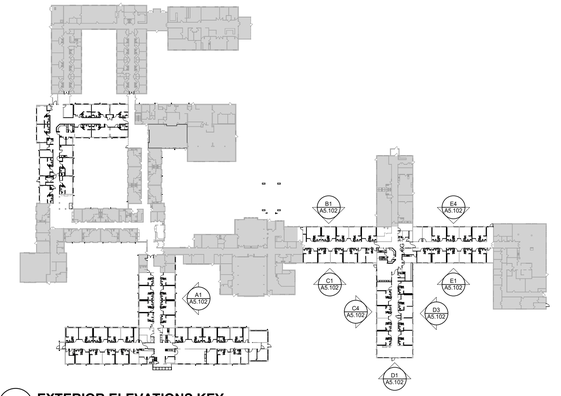

B1 AREA C - EXTERIOR ELEVATION - SOUTH
1/8" = 1'-0"
0 6' 12'




C1 AREA C - EXTERIOR ELEVATION - NORTH
1/8" = 1'-0"
0 6' 12'




C4 AREA C - EXTERIOR ELEVATION - EAST
1/8" = 1'-0"
0 6' 12'




B6 EXTERIOR ELEVATIONS KEY
1" = 80'-0"
0 60' 120'




D1 AREA C - EXTERIOR ELEVATION - NORTH
1/8" = 1'-0"
0 6' 12'




D3 AREA C - EXTERIOR ELEVATION - WEST
1/8" = 1'-0"
0 6' 12'




E1 AREA C - EXTERIOR ELEVATION - NORTH
1/8" = 1'-0"
0 6' 12'




E4 AREA C - EXTERIOR ELEVATION - SOUTH
1/8" = 1'-0"
0 6' 12'

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_Revit2024.rvt
Central: https://vividata.com/DocsOnline/Docs/Default.aspx?docs=Nelson Care Center_Revit2024.rvt
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A

# Nelson Care Center Renovation

420 12th Ave E,
Alexandria, MN 56308

246040

**Vivie**
2209 Jefferson St. Suite 201
Alexandria, MN 56308

**WOLD ARCHITECTS AND ENGINEERS**
50 South 6th Street, Suite 2250
Minneapolis, Minnesota 55402
woldae.com | 612 772 9025

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**
Sara Malin
License Number: **40063** Date **08/29/2025**

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **ADDENDUM #2** | **9/11/2025** | **1** |

Comm: **246040**
Date: **08/29/2025**
Drawn: **JDV/ CN**
Check: **EN**
North

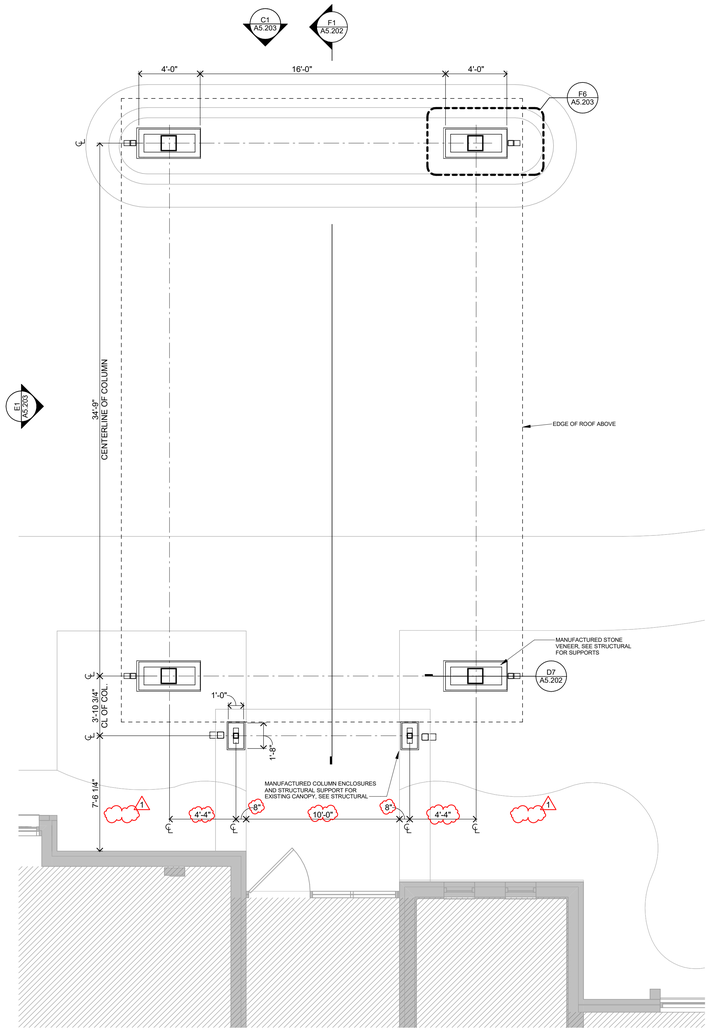
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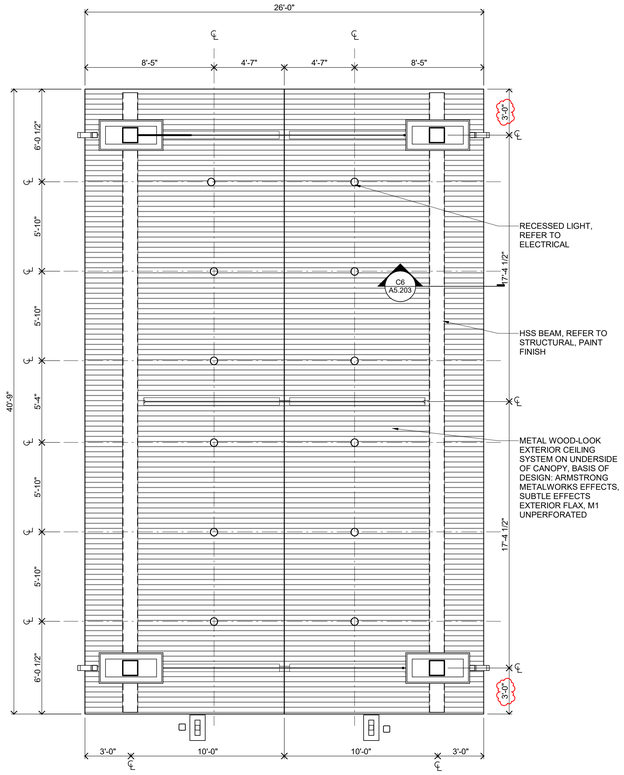
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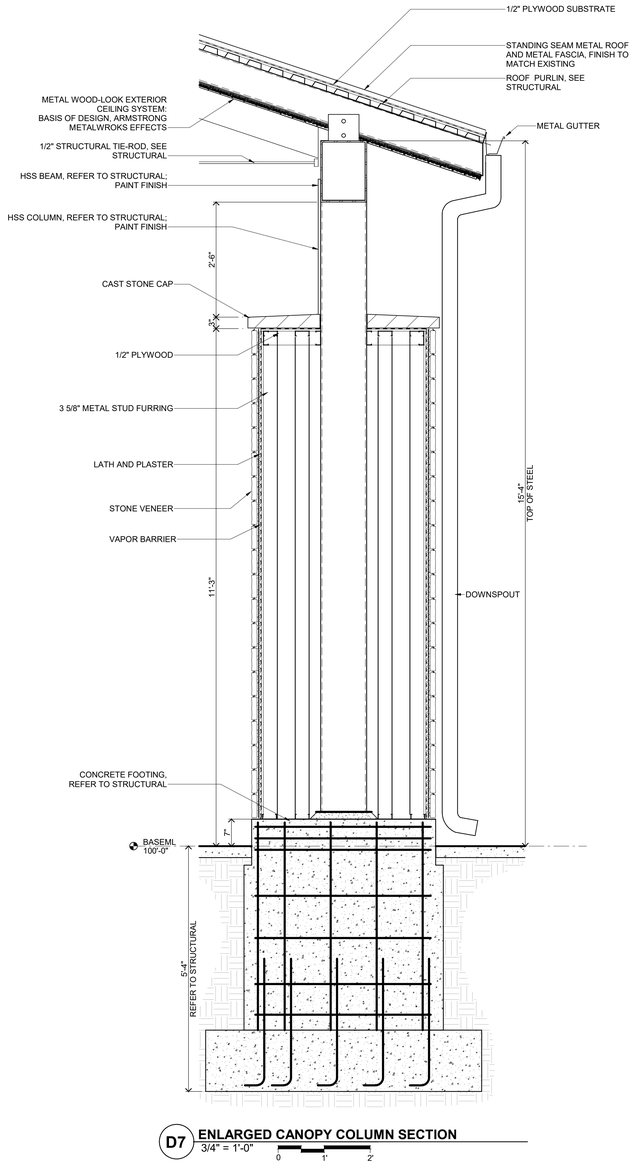
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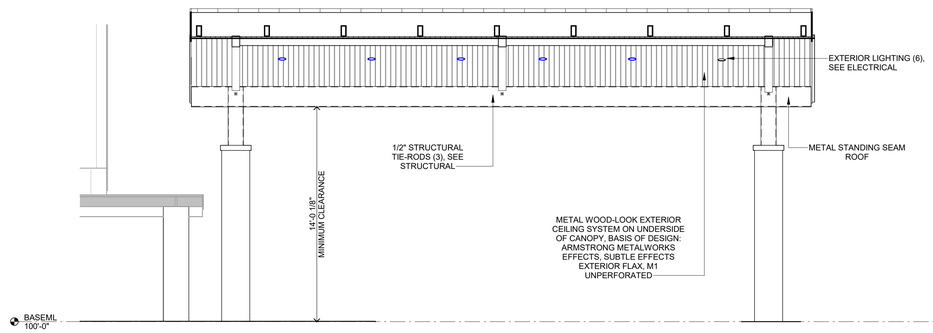

**D1** FIRST FLOOR PLAN - FRONT CANOPY
1/4" = 1'-0"
0 3' 6'



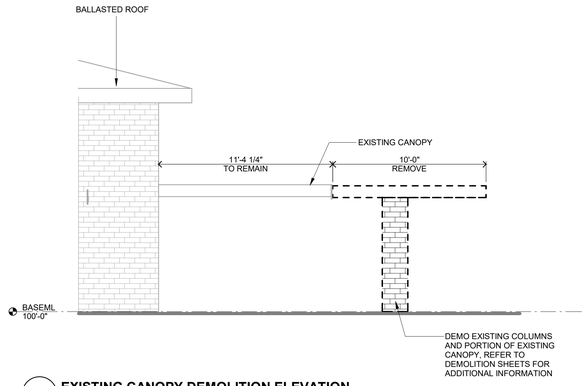

**C4** REFLECTED CEILING PLAN - FRONT CANOPY
1/4" = 1'-0"
0 3' 6'




**D7** ENLARGED CANOPY COLUMN SECTION
3/4" = 1'-0"
0 1' 2'




**F1** EXTERIOR CANOPY SECTION
1/4" = 1'-0"
0 3' 6'




**F6** EXISTING CANOPY DEMOLITION ELEVATION
1/4" = 1'-0"
0 3' 6'

**100% CD SET**

Architect Docs (246040 - Nelson Care Center Renovation/246040 - Nelson Care Center - Revit 2025.rvt
Central: 2026-01-Users\jdv\Desktop\Nelson Care Center - Revit 2025_Working Home Warehouse 5 Users\jdv_dfa\Desktop\Nelson Care Center - Revit 2025.rvt
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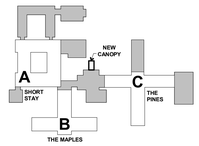
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**KEY PLAN**

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Sara Malin
License Number: **40063** Date **08/29/2025**

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **ADDENDUM #2** | **8/11/2025** | **1** |

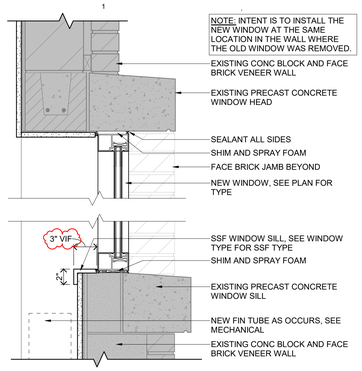
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Date: **08/29/2025**
Drawn: **JDV/ CN**
Check: **EN**

# DETAILS - EXTERIOR CANOPY

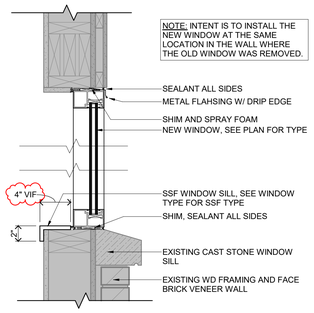
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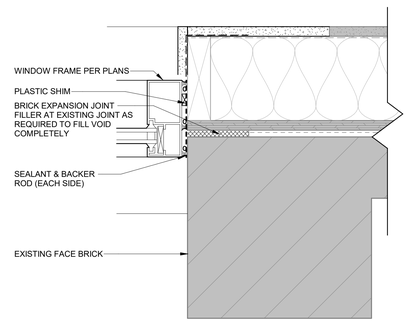
# MN



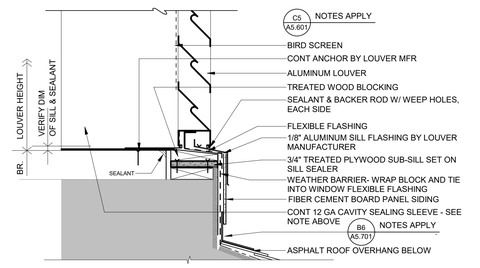

**B1 WINDOW HEAD AND SILL @ AREA A**
1 1/2" = 1'-0"



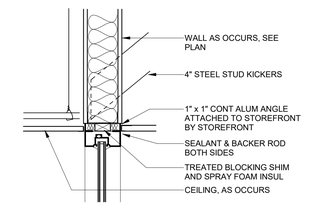

**B2 WINDOW HEAD AND SILL @ AREAS B & C**
1 1/2" = 1'-0"




**B4 JAMB DETAIL AT FACE BRICK**
3" = 1'-0"

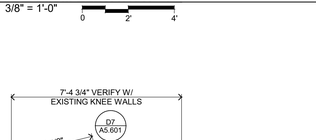



**B5 LOUVER SILL AT EXISTING WALL**
1 1/2" = 1'-0"

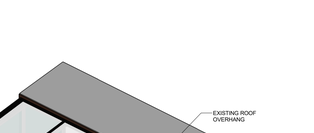



**B7 STOREFRONT HEAD DETAIL**
1 1/2" = 1'-0"

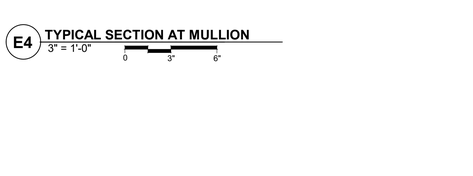
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**C1 WINDOW JAMB @ AREA A**
1 1/2" = 1'-0"




**C2 WINDOW JAMB @ AREA B & C**
1 1/2" = 1'-0"




**C4 WALL INFILL AT AREA B EXISTING OPENING**
1 1/2" = 1'-0"




**C5 LOUVER HEAD AT EXISTING WALL**
1 1/2" = 1'-0"




**C7 SECONDARY ENTRY & EXIT DOOR THRESHOLD**
6" = 1'-0"

C




**D1 SOLARIUM - PLAN VIEW**
3/8" = 1'-0"




**D4 SOLARIUM WINDOW SILL AT EXISTING KNEE WALLS**
3" = 1'-0"




**D5 SOLARIUM JAMB AT EXISTING BRICK WALL**
3" = 1'-0"




**D7 SOLARIUM WINDOW HEAD CONNECTION AT ROOF OVERHANG**
3" = 1'-0"

D




**E1 SOLARIUM ELEVATION - 1**
3/8" = 1'-0"




**E4 TYPICAL SECTION AT MULLION**
3" = 1'-0"

E




**F1 SOLARIUM ELEVATION - 2**
3/8" = 1'-0"




**SOLARIUM AXON**
NOT TO SCALE

FOR REFERENCE ONLY

A

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center - Revit/Shared
Central - https://connected.bim360.com/accounts/7b0f1b1b-1ecc-4ee4-9ee4-7d0f1b1b1ecc
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Comm: **246040**
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Drawn: **JDV/ CN**
Check: **EN**
North

# DETAILS - EXTERIOR OPENINGS

Scale: **As indicated**

**100% CD SET**

# A5.601

MN

## MECHANICAL SYMBOLS

| | | |
|---|---|---|
| PRESSURE GAGE | TWO WAY TEMPERATURE CONTROL VALVE | AIR DEVICE TAGS: |
| AIR VENT | THREE WAY TEMPERATURE CONTROL VALVE | SUPPLY DIFFUSER: TYPE; A / 2408 / 250 — FACE SIZE & NECK DIA.; AIR FLOW (CFM) |
| STRAINER | UNION | A / 2408 / 800 — TYPE; FACE SIZE & NECK DIA.; AIR FLOW (CFM) |
| PIPING GUIDE | THERMOMETER | LINEAR SUPPLY DIFFUSER: A / 4-2-10 / 250 — TYPE; LENGTH IN FT, NUMBER OF SLOTS & NECK DIA.; AIR FLOW (CFM) |
| PIPING ANCHOR | SHUTOFF VALVE | SUPPLY REGISTER OR GRILLE: A / 12x8 / 250 — TYPE; SIZE; AIR FLOW (CFM) |
| EXPANSION JOINT | CHECK VALVE | RETURN GRILLE: A — TYPE (24x24); A — TYPE (24x12); A / 24X12 / 08 / 250 — TYPE; FACE SIZE; NECK DIA.; AIRFLOW (CFM) |
| FLEXIBLE CONNECTION | PRESSURE OR PRESSURE/ TEMPERATURE RELIEF VALVE | EXHAUST, TRANSFER & RETURN REGISTERS & GRILLES: A / 12x8 / 250 — TYPE; SIZE; AIR FLOW (CFM) |
| DIRECTION OF FLOW | ANGLE VALVE | |
| CONCENTRIC REDUCER | PRESSURE REDUCING VALVE | |
| ECCENTRIC REDUCER | SOLENOID VALVE | |
| STEAM TRAP ASSEMBLY | WALL HYDRANT | |
| ELBOW DOWN | HOSE BIBB | |
| ELBOW UP | LUBRICATED PLUG GAS COCK | |
| TEE CONNECTION DOWN | BALANCING VALVE | |
| TEE CONNECTION UP | RPZ VALVE | |
| PIPING CONNECTION | BACKFLOW PREVENTOR | |
| CAPPED PIPE | FLOOR CLEANOUT | |
| FINNED TUBE RADIATION | CLEANOUT | |
| FLOOR DRAIN | DUCT SMOKE DETECTOR | |
| SHOCK ABSORBER | MOTORIZED O.B. DAMPER | |
| SUPPLY DUCT ELBOW DOWN | ACCESS PANEL | |
| SUPPLY DUCT ELBOW UP | ELBOW W/ TURNING VANES | |
| RETURN/EXHAUST ELBOW DOWN | LONG RADIUS DUCT ELBOW | |
| RETURN/EXHAUST ELBOW UP | | |
| OUTSIDE AIR ELBOW DOWN | SUPPLY AIR DIFFUSER | |
| OUTSIDE AIR ELBOW UP | RETURN/EXHAUST AIR REGISTER/GRILLE | |
| SUPPLY AIR FLOW | SUPPLY AIR REGISTER | |
| RETURN AIR FLOW | SUPPLY DIFFUSER TAKE-OFF W/ VOLUME DAMPER, MAXIMUM FLEX DUCT LENGTH 5'-0" | |
| F FIRE DAMPER | | |
| F/S FIRE/SMOKE DAMPER | T THERMOSTAT | |
| S SMOKE DAMPER | TEMPERATURE SENSOR WELL | |
| R RADIATION DAMPER | | |
| MANUAL VOLUME DAMPER | | |
| CONNECT TO EXISTING | | |

## MECHANICAL LINETYPES

| | |
|---|---|
| S | DOMESTIC SOFT COLD WATER PIPING |
| – | DOMESTIC COLD WATER PIPING |
| – – | DOMESTIC HOT WATER PIPING |
| – – – | DOMESTIC CIRCULATING HOT WATER PIPING |
| – – – – – – – – | VENT PIPING |
| | SANITARY WASTE ABOVE GROUND PIPING |
| SS | SANITARY WASTE BELOW GROUND PIPING |
| SD | STORM DRAIN ABOVE GROUND PIPING |
| SD | STORM DRAIN BELOW GROUND PIPING |
| CD | CONDENSATE DRAIN PIPING |
| NG | NATURAL GAS PIPING |
| ING | INTERRUPTIBLE NATURAL GAS PIPING |
| FNG | FIRM NATURAL GAS PIPING |
| FP | FIRE PROTECTION PIPING |
| HWS | BUILDING HEATING WATER SUPPLY PIPING |
| HWR | BUILDING HEATING WATER RETURN PIPING |
| CHWS | BUILDING CHILLED WATER SUPPLY PIPING |
| CHWR | BUILDING CHILLED WATER RETURN PIPING |
| CWS | BUILDING CHILLER CONDENSER WATER SUPPLY PIPING |
| CWR | BUILDING CHILLER CONDENSER WATER RETURN PIPING |
| LIQ | DX REFRIGERATION SYSTEM LIQUID PIPING |
| SUC | DX REFRIGERATION SYSTEM SUCTION PIPING |
| HG | DX REFRIGERATION SYSTEM HOT GAS PIPING |
| BF | BOILER FEED PIPING |
| O | OXYGEN PIPING |

## MECHANICAL ABBREVIATIONS

| | | | |
|---|---|---|---|
| AD | AREA DRAIN | GR | GRILLE |
| AFF | ABOVE FINISHED FLOOR | HB | HOSE BIBB |
| AHAP | AS HIGH AS POSSIBLE | HCW | HARD COLD WATER |
| BFF | BELOW FINISHED FLOOR | HP | HORSE POWER |
| BLDG | BUILDING | HW | HOT WATER |
| BSMT | BASEMENT | INV | INVERT |
| BTWN | BETWEEN | KW | KILOWATT |
| CB | CATCH BASIN | LAT | LEAVING AIR TEMPERATURE |
| CFM | CUBIC FEET/MINUTE | LWT | LEAVING WATER TEMPERATURE |
| CHW | CIRCULATING HOT WATER | MAX | MAXIMUM |
| CLG | CEILING | MBH | 1000 BTU |
| CO | CLEANOUT | MECH | MECHANICAL |
| CONCR | CONCRETE | MH | MANHOLE |
| CONTR | CONTRACTOR | MIN | MINIMUM |
| CW | COLD WATER | NTS | NOT TO SCALE |
| DB | DRY BULB | OA | OUTSIDE AIR |
| DEG | DEGREE | OBD | OPPOSED BLADE DAMPER |
| DIA | DIAMETER | ORD | OVERFLOW ROOF DRAIN |
| DIFF | DIFFUSER | P-# | PLUMBING FIXTURE NUMBER |
| EAT | ENTERING AIR TEMPERATURE | P & T | PRESSURE AND THERMOSTATIC |
| EDR | SQUARE FEET RADIATION | PD | PRESSURE DROP |
| EFF | EFFICIENCY | PLBG | PLUMBING |
| EL | ELBOW | QUAN | QUANTITY |
| ELEC | ELECTRICAL | RA | RETURN AIR |
| ELEV | ELEVATION | RD | ROOF DRAIN |
| EWT | ENTERING WATER TEMPERATURE | REG | REGISTER |
| EXH | EXHAUST | REQ'D | REQUIRED |
| EXIST | EXISTING | RPM | REVOLUTIONS/MINUTE |
| F | DEGREES FAHRENHEIT | SA | SUPPLY AIR |
| F & T | FLOAT AND THERMOSTATIC | SCW | SOFT COLD WATER |
| FD | FLOOR DRAIN | SHT | SHEET |
| FH | FIRE HYDRANT | SP | STATIC PRESSURE |
| FLA | FULL LOAD AMPS | TD | TEMPERATURE DIFFERENCE |
| FLR | FLOOR | VTR | VENT THROUGH ROOF |
| FTR | FINNED TUBE RADIATION | W/ | WITH |
| GEN | GENERAL | WB | WET BULB |
| GPM | GALLONS/MINUTE | WH | WALL HYDRANT |

## MECHANICAL SHEET LIST

| | |
|---|---|
| M0.000 | MECHANICAL TITLE SHEET |
| M1.00a | UNDERGROUND DEMOLITION PLAN - AREA 'A' |
| M1.00b | UNDERGROUND DEMOLITION PLAN - AREA 'B' |
| M1.00c | UNDERGROUND DEMOLITION PLAN - AREA 'C' |
| M1.02a | MAIN LEVEL PLUMBING DEMOLITION - AREA 'A' |
| M1.02b | MAIN LEVEL PLUMBING DEMOLITION - AREA 'B' |
| M1.02c | MAIN LEVEL PLUMBING DEMOLITION - AREA 'C' |
| M1.12a | MAIN LEVEL HVAC DEMOLITION - AREA 'A' |
| M1.12b | MAIN LEVEL HVAC DEMOLITION - AREA 'B' |
| M1.12c | MAIN LEVEL HVAC DEMOLITION - AREA 'C' |
| M2.00a | UNDERGROUND PLUMBING PLAN - AREA 'A' |
| M2.00b | UNDERGROUND PLUMBING PLAN - AREA 'B' |
| M2.00c | UNDERGROUND PLUMBING PLAN - AREA 'C' |
| M2.02a | MAIN LEVEL PLUMBING PLAN - AREA 'A' |
| M2.02b | MAIN LEVEL PLUMBING PLAN - AREA 'B' |
| M2.02c | MAIN LEVEL PLUMBING PLAN - AREA 'C' |
| M3.01a | TUNNEL HYDRONIC AND BAS PLAN - AREA 'A' |
| M3.02a | MAIN LEVEL HYDRONIC AND BAS PLAN - AREA 'A' |
| M3.02b | MAIN LEVEL HYDRONIC AND BAS PLAN - AREA 'B' |
| M3.02c | MAIN LEVEL HYDRONIC AND BAS PLAN - AREA 'C' |
| M4.02a | MAIN LEVEL HVAC PLAN - AREA 'A' |
| M4.02b | MAIN LEVEL HVAC PLAN - AREA 'B' |
| M4.02c | MAIN LEVEL HVAC PLAN - AREA 'C' |
| M5.02 | MAIN LEVEL FIRE PROTECTION PLAN |
| M6.00 | ROOF PLAN - AREA 'A' |
| M6.01 | ROOF PLAN - AREA 'B' |
| M6.02 | ROOF PLAN - AREA 'C' |
| M7.00 | MECHANICAL ROOM DEMOLITION PLANS |
| M7.01 | MECHANICAL ROOM NEW WORK PLANS |
| M7.20a | SUPPLY RISER DIAGRAM - AREA 'A' |
| M7.20b | SUPPLY RISER DIAGRAM - AREA 'B' |
| M7.20c | SUPPLY RISER DIAGRAM - AREA 'C' |
| M7.30a | WASTE AND VENT RISER DIAGRAM - AREA 'A' |
| M7.30b | WASTE AND VENT RISER DIAGRAM - AREA 'B' |
| M7.30c | WASTE AND VENT RISER DIAGRAM - AREA 'C' |
| M8.00 | MECHANICAL DETAILS |
| M8.01 | MECHANICAL DETAILS |
| M8.02 | MECHANICAL DETAILS |
| M9.00 | MECHANICAL SCHEDULES |
| M9.01 | MECHANICAL SCHEDULES |
| M9.02 | MECHANICAL SCHEDULES |
| M9.03 | MECHANICAL SCHEDULES |
| M9.04 | MECHANICAL SCHEDULES |
| M9.05 | MECHANICAL SCHEDULES |
| M9.06 | MECHANICAL SCHEDULES |

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Brian Evan

**Brian Evan**
License Number: **54354** Date **08/29/2025**

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #2** | **09/11/2025** | **1** |

Comm: **246040**
Date: **08/29/2025**
Drawn: **MZ**
Check: **BE**

# MECHANICAL TITLE SHEET

Scale: **As indicated**

**100% CD SET**

# M0.000

M

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_MECH_R24.rvt
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8/15/2025 3:56:42 PM

**MN**




F2 MAIN LEVEL HYDRONIC AND BAS PLAN - AREA 'A'
1/8" = 1'-0"

**HYDRONIC PLAN GENERAL NOTES:**

1. ALL RISES AND DROPS IN PIPING ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.
2. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
3. LOCATE ALL VALVES, METERS, GAUGES, AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.
4. COORDINATE TEMPERATURE SENSOR LOCATIONS WITH OTHER TRADES, BUILDING ELEMENTS, MARKER BOARDS, AND ELECTRICAL SWITCHES. ADJUST THE EXACT LOCATIONS AS REQUIRED TO AVOID CONFLICTS.
5. BRANCH PIPING TO EQUIPMENT TO BE 3/4" UNLESS OTHERWISE NOTED.
6. ROUTE PIPES BETWEEN JOIST WEBS WHERE REQUIRED TO COORDINATE WITH THE INSTALLATION OF OTHER TRADES AND TO MAINTAIN CEILING HEIGHTS. COORDINATE LOCATIONS PRIOR TO CROSS BRACING TO ENSURE THERE ARE NO CONFLICTS.
7. THE MECHANICAL CONTRACTOR SHALL REMOVE ALL EXISTING CEILING TILES AND GRIDS BEYOND EXTENT SHOWN ON ARCHITECTURAL PLANS AS REQUIRED FOR INSTALLATION OF NEW WORK. ANY DAMAGED TILES AND OR GRIDS SHALL BE REPLACED WITH NEW TO MATCH AT THE CONTRACTORS EXPENSE.
8. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED REINFORCEMENT OF NEW AND EXISTING STRUCTURAL MEMBERS FOR MECHANICAL SYSTEMS. REFER TO "MECHANICAL SUPPORT REINFORCEMENT DETAIL" FOR ADDITIONAL REQUIREMENTS.

**HYDRONIC PLAN KEYED NOTES:**

1. CONNECT CONDENSATE DRAIN TO WALL OUTLET BOX, P-10.

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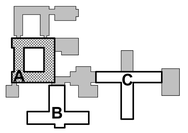
# Nelson Care Center Renovation

420 12TH AVE E,
ALEXANDRIA, MN 56305

246040

**Vivie**
2209 Jefferson St. Suite 201
Alexandria, MN 56308

**WOLD ARCHITECTS AND ENGINEERS**
50 South 6th Street, Suite 2250
Minneapolis, Minnesota 55402
woldae.com | 612 772 9025




KEY PLAN

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Brian Evan

Brian Evan
License Number: 54354 Date: 08/29/2025

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| Addendum #2 | 09/11/2025 | 1 |

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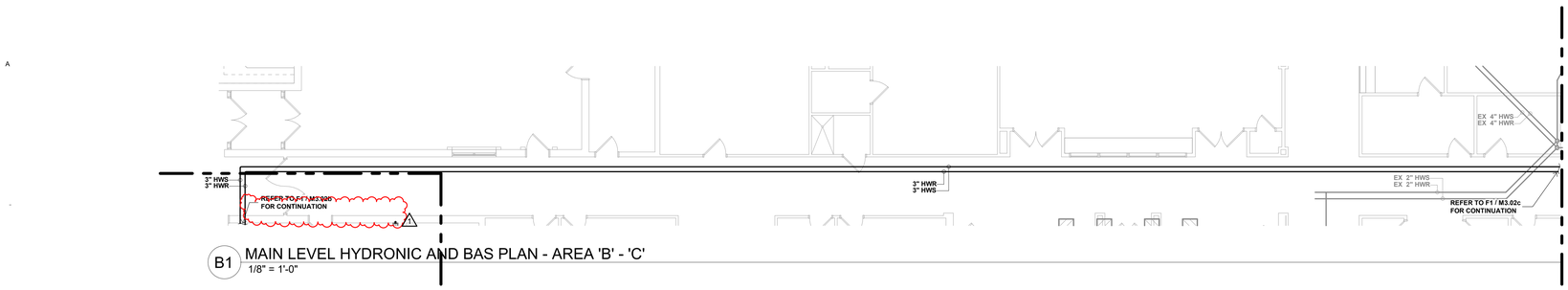
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## MAIN LEVEL HYDRONIC AND BAS PLAN - AREA 'A'

Scale: As Indicated

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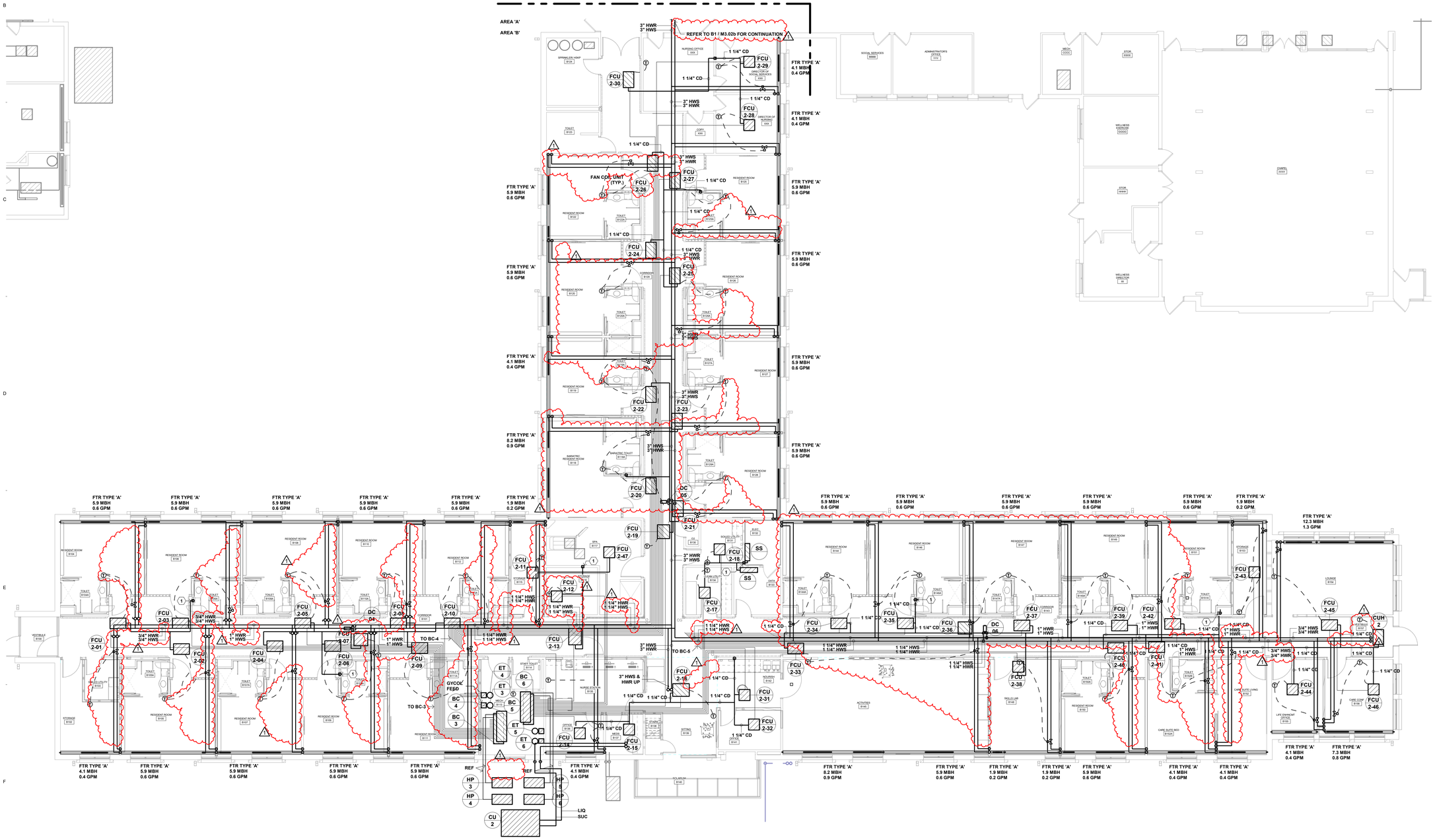

B1 MAIN LEVEL HYDRONIC AND BAS PLAN - AREA 'B' - 'C'
1/8" = 1'-0"

**HYDRONIC PLAN KEYED NOTES:**

1. CONNECT CONDENSATE DRAIN TO WALL OUTLET BOX, P-10.

**HYDRONIC PLAN GENERAL NOTES:**

1. ALL RISES AND DROPS IN PIPING ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.
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3. LOCATE ALL VALVES, METERS, GAUGES, AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.
4. COORDINATE TEMPERATURE SENSOR LOCATIONS WITH OTHER TRADES, BUILDING ELEMENTS, MARKER BOARDS, AND ELECTRICAL SWITCHES. ADJUST THE EXACT LOCATIONS AS REQUIRED TO AVOID CONFLICTS.
5. BRANCH PIPING TO EQUIPMENT TO BE 3/4" UNLESS OTHERWISE NOTED.
6. ROUTE PIPES BETWEEN JOIST WEBS WHERE REQUIRED TO COORDINATE WITH THE INSTALLATION OF OTHER TRADES AND TO MAINTAIN CEILING HEIGHTS. COORDINATE LOCATIONS PRIOR TO CROSS BRACING TO ENSURE THERE ARE NO CONFLICTS.
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F1 MAIN LEVEL HYDRONIC AND BAS PLAN - AREA 'B'
1/8" = 1'-0"

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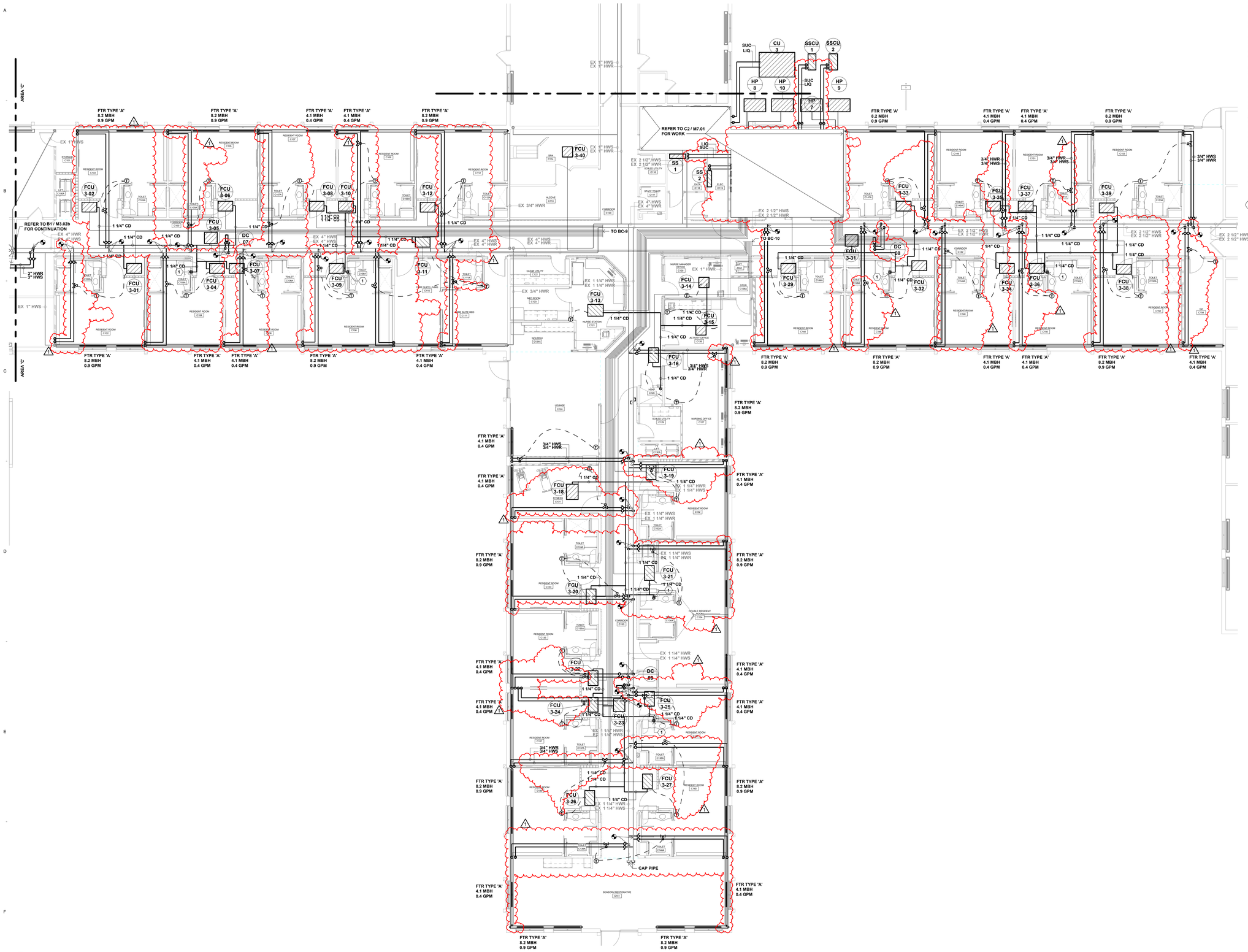
**MAIN LEVEL HYDRONIC AND BAS PLAN - AREA 'B'**

Scale: As Indicated

**M3.02b**


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**HYDRONIC PLAN GENERAL NOTES:**

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**HYDRONIC PLAN KEYED NOTES:**

1. CONNECT CONDENSATE DRAIN TO WALL OUTLET BOX, P-10.


**Nelson Care Center Renovation**

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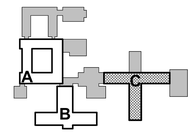
246040

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Date: **08/29/2025**
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# MAIN LEVEL HYDRONIC AND BAS PLAN - AREA 'C'

Scale: **As indicated**

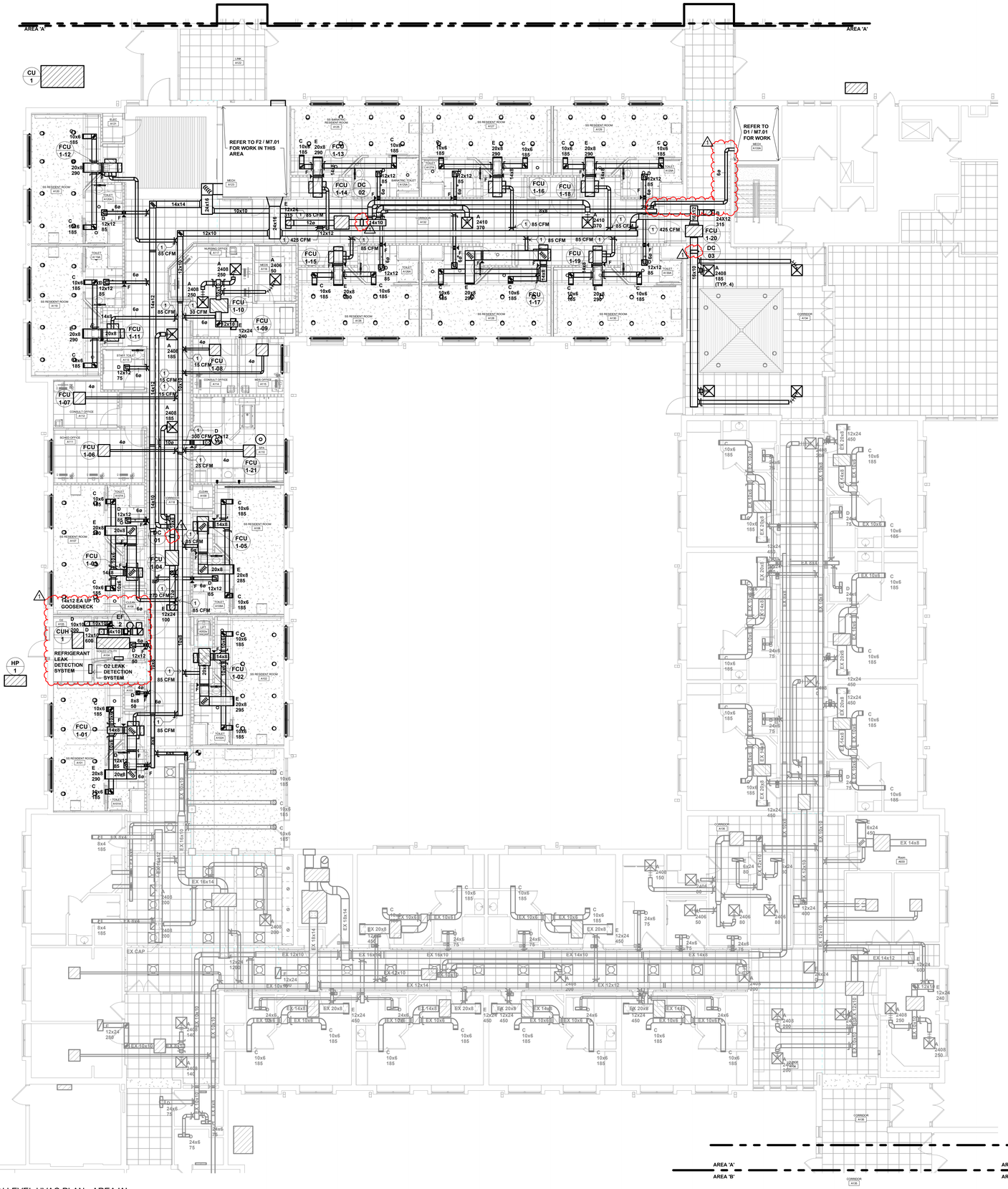
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F1 MAIN LEVEL HYDRONIC AND BAS PLAN - AREA 'C'
1/8" = 1'-0"


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F2 MAIN LEVEL HVAC PLAN - AREA 'A'
1/8" = 1'-0"

**HVAC PLAN GENERAL NOTES:**

1. DO NOT INSTALL FLEXIBLE DUCT CONNECTIONS ABOVE INACCESSIBLE CEILINGS
2. DIFFUSER DUCT RUNOUTS AND FLEXIBLE DUCT CONNECTIONS SHALL BE THE SAME SIZE AS THE DIFFUSER NECK.
3. LOCATE BALANCING DAMPERS ABOVE ACCESSIBLE CEILINGS WHERE POSSIBLE.
4. COORDINATE LOCATIONS OF ANY ACCESS PANELS REQUIRED IN WALLS OR CEILINGS WITH GENERAL CONTRACTOR.
5. ROUTE DUCTS BETWEEN JOISTS AND THROUGH JOIST WEBS WHERE REQUIRED TO COORDINATE WITH THE INSTALLATION OF OTHER TRADES AND TO MAINTAIN CEILING HEIGHTS. COORDINATE LOCATIONS PRIOR TO CROSS BRACING TO ENSURE THERE ARE NO CONFLICTS. AREAS KEYNOTED ARE MINIMUM REQUIRED.
6. DIFFUSER AND REGISTER LOCATIONS SHALL BE COORDINATED WITH LIGHT FIXTURE LOCATIONS AND SHALL BE IN ACCORDANCE WITH CEILING PATTERNS AS SHOWN ON THE ARCHITECTURAL REFLECTED CEILING PLANS.
7. ALL RISES AND DROPS IN DUCTWORK ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.
8. ALL SUPPLY DUCTWORK ROUTED IN CONCEALED SPACES AND ABOVE CEILINGS SHALL BE EXTERNALLY INSULATED. DO NOT INSULATE RETURN DUCTWORK. INSULATE RELIEF DUCTWORK AS SPECIFIED.
9. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
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**HVAC PLAN KEYED NOTES:**

1. BALANCE TO CFM INDICATED.

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246040


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Brian Evan
Brian Evan
License Number: 54354 Date 08/29/2025

| Revisions | | |
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| Description | Date | Num |
| Addendum #2 | 09/11/2025 | 1 |

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# MAIN LEVEL HVAC PLAN - AREA 'A'

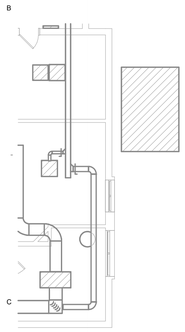
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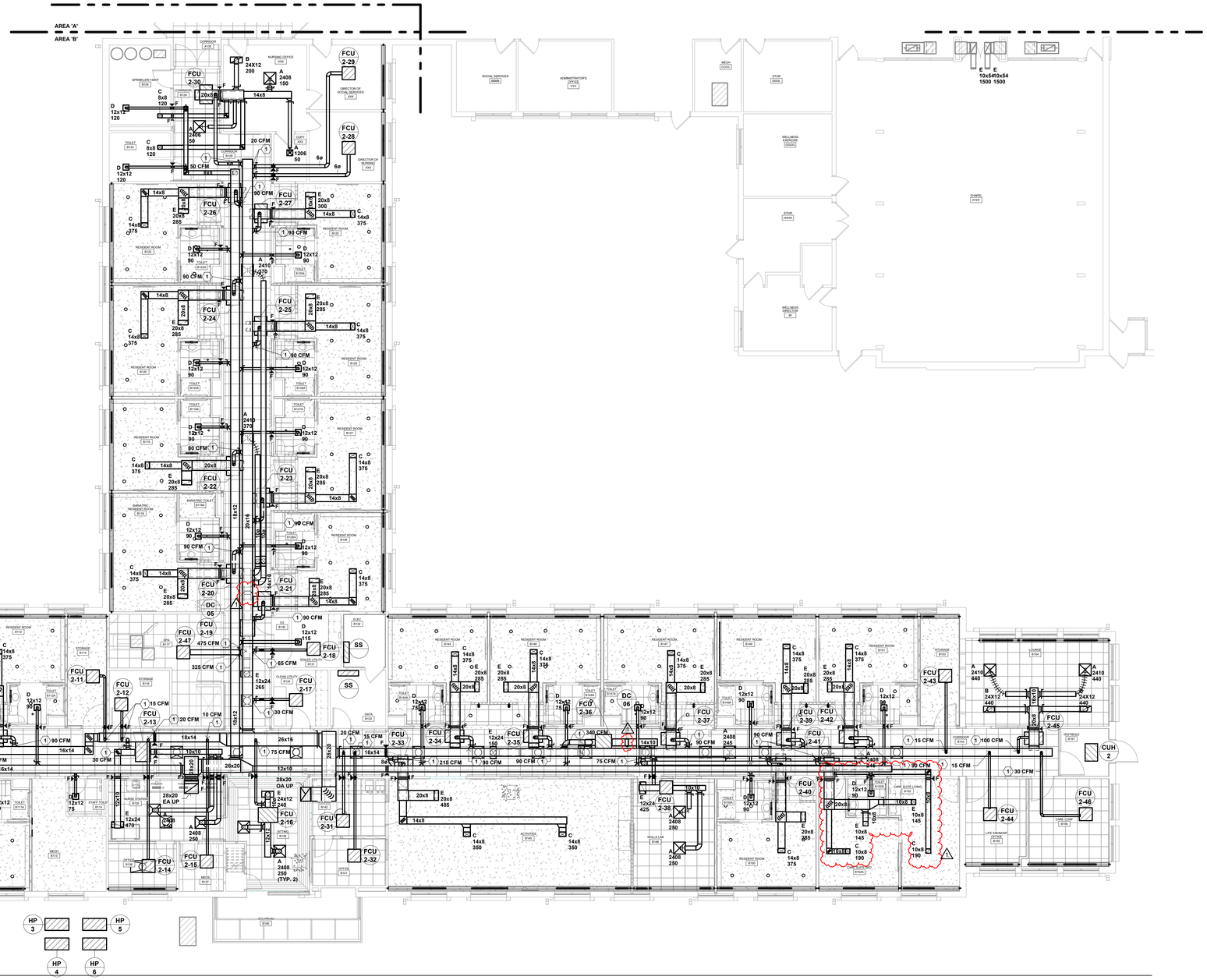
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**HVAC PLAN KEYED NOTES:**

1. BALANCE TO CFM INDICATED.

**HVAC PLAN GENERAL NOTES:**

1. TRANSFER DUCTS AND DUCTS CONNECTED TO TRANSFER FANS SHALL HAVE 1" INTERNAL SOUND ATTENUATING LINER

2. DO NOT INSTALL FLEXIBLE DUCT CONNECTIONS ABOVE INACCESSIBLE CEILINGS

3. DIFFUSER DUCT RUNOUTS AND FLEXIBLE DUCT CONNECTIONS SHALL BE THE SAME SIZE AS THE DIFFUSER NECK.

4. THE VARIABLE AIR VOLUME CONTROL BOX SHALL BE LOCATED IN A POSITION TO ENSURE ACCESSIBILITY. VARIABLE AIR VOLUME COIL CONNECTIONS SHALL BE ON THE SAME SIDE AS THE CONTROL BOX.

5. LOCATE BALANCING DAMPERS ABOVE ACCESSIBLE CEILINGS WHERE POSSIBLE.

6. COORDINATE LOCATIONS OF ANY ACCESS PANELS REQUIRED IN WALLS OR CEILINGS WITH GENERAL CONTRACTOR.

7. ROUTE DUCTS BETWEEN JOISTS AND THROUGH JOIST WEBS WHERE REQUIRED TO COORDINATE WITH THE INSTALLATION OF OTHER TRADES AND TO MAINTAIN CEILING HEIGHTS. COORDINATE LOCATIONS PRIOR TO CROSS BRACING TO ENSURE THERE ARE NO CONFLICTS. AREAS KEYNOTED ARE MINIMUM REQUIRED.

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10. ALL SUPPLY DUCTWORK ROUTED IN CONCEALED SPACES AND ABOVE CEILINGS SHALL BE EXTERNALLY INSULATED. DO NOT INSULATE RETURN DUCTWORK. INSULATE RELIEF DUCTWORK AS SPECIFIED.

**HVAC PLAN GENERAL NOTES (CONT.):**

11. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF CONSTRUCTION UNLESS OTHERWISE NOTED ON THE PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.

12. MECHANICAL CONTRACTOR SHALL DETERMINE LIMITATIONS AND/OR CONFLICTS RELATIVE TO THE EXECUTION OF HIS WORK PRIOR TO BID. VERIFY EXACT DETAIL OF INSTALLATION REQUIRED TO PROVIDE SYSTEMS SHOWN WITHIN SPACE INTENDED.

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F1 MAIN LEVEL HVAC PLAN - AREA 'B'
1/8" = 1'-0"

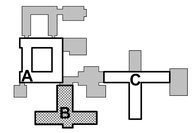
# M


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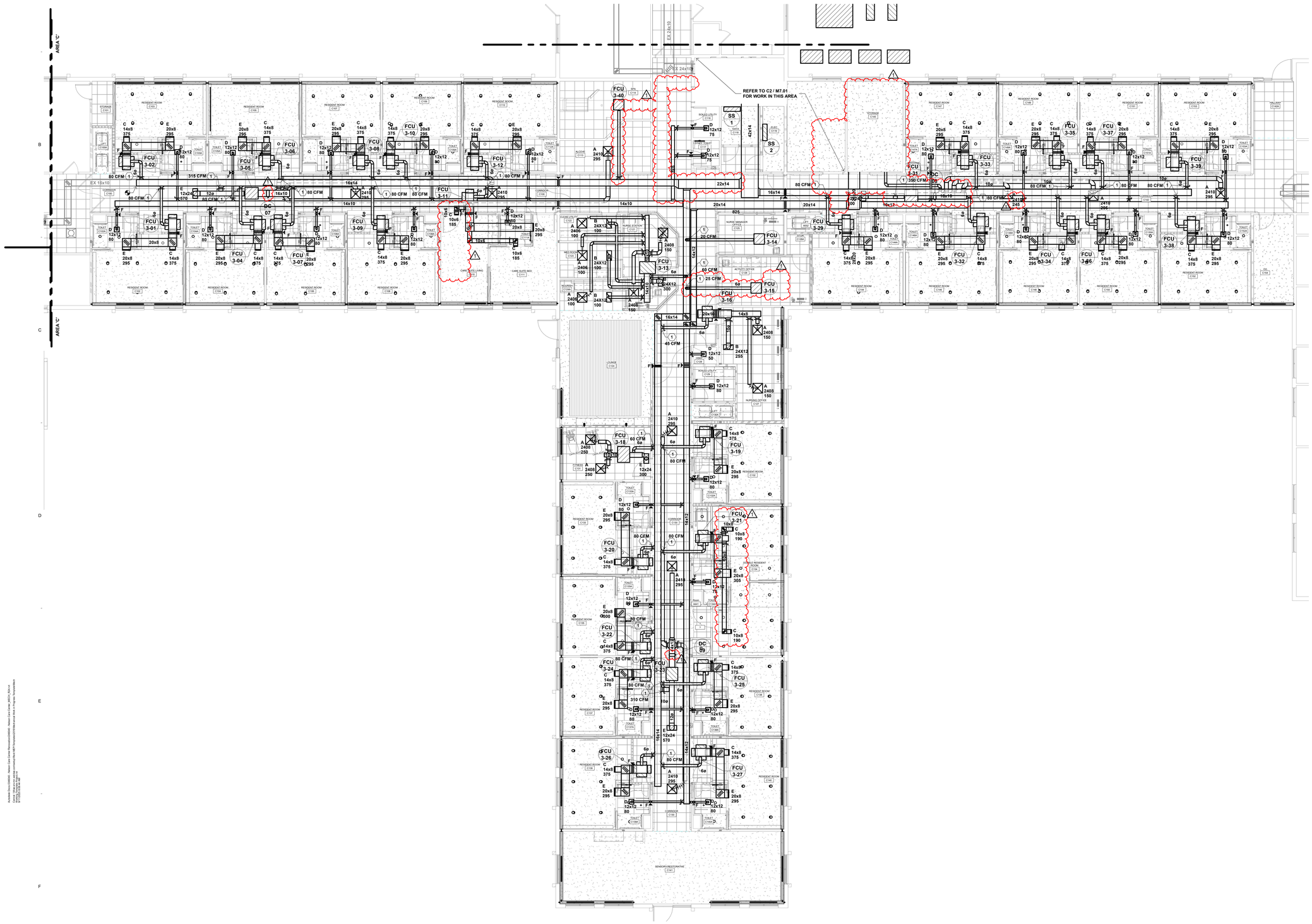
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# MAIN LEVEL HVAC PLAN - AREA 'B'

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**100% CD SET**

# MN




**HVAC PLAN GENERAL NOTES:**

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**HVAC PLAN KEYED NOTES:**

1. BALANCE TO CFM INDICATED.

**M**

F1 MAIN LEVEL HVAC PLAN - AREA 'C'
1/8" = 1'-0"

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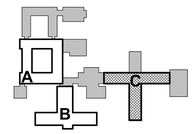
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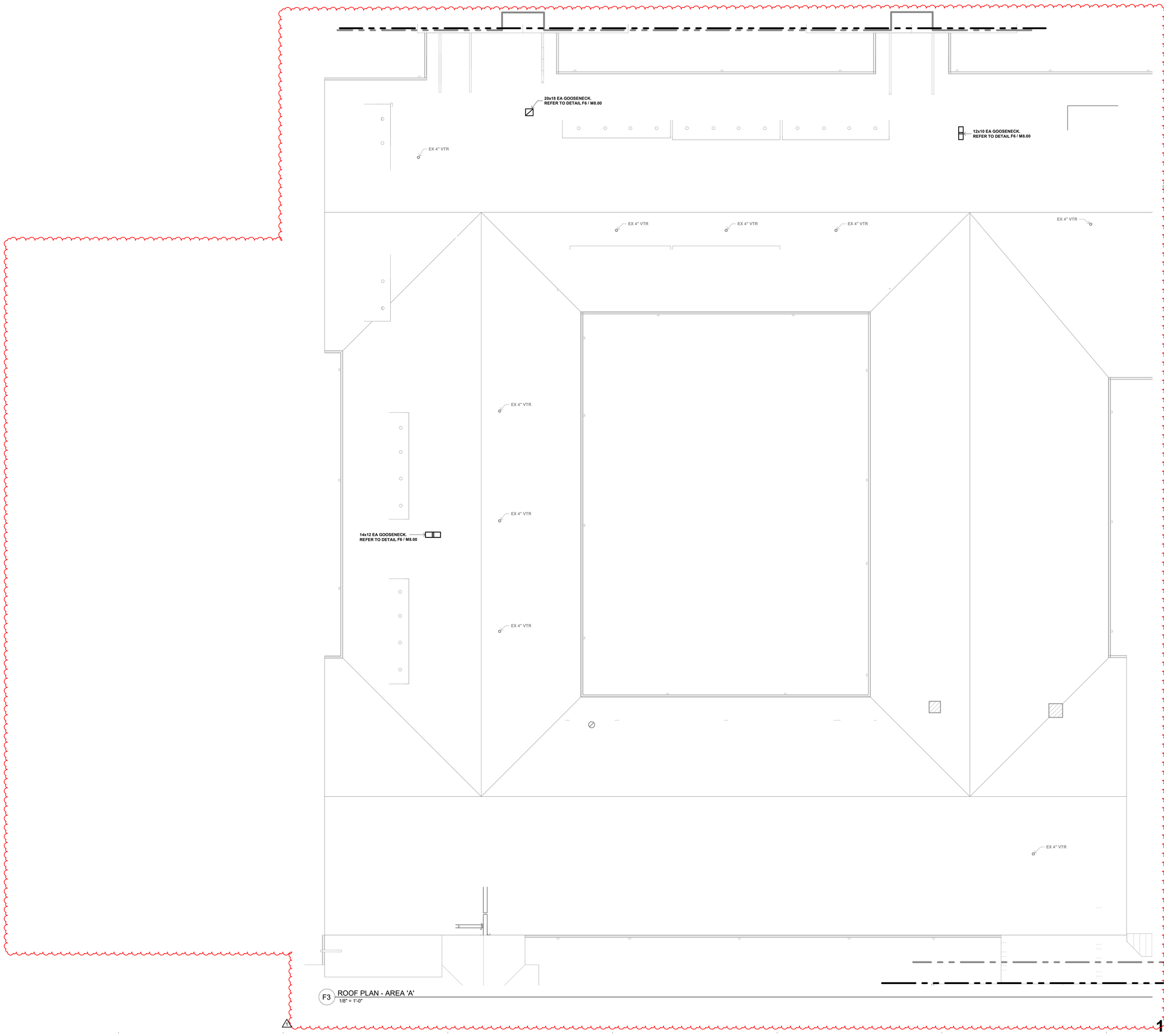
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**MAIN LEVEL HVAC PLAN - AREA 'C'**

Scale: **As Indicated**

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F3 ROOF PLAN - AREA 'A'
1/8" = 1'-0"

**ROOF PLAN GENERAL NOTES:**

1. MECHANICAL CONTRACTOR SHALL DETERMINE LIMITATIONS AND/OR CONFLICTS RELATIVE TO THE EXECUTION OF HIS WORK PRIOR TO BID. VERIFY EXACT DETAIL OF INSTALLATION REQUIRED TO PROVIDE SYSTEMS SHOWN WITHIN SPACE INTENDED.

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3. BUILDING EXHAUST AND PLUMBING VENTS SHALL BE LOCATED A MINIMUM OF 10 FEET FROM ALL VENTILATION INTAKES.

4. ANY MECHANICAL EQUIPMENT REQUIRING MAINTENANCE SHALL BE LOCATED A MINIMUM 10 FEET FROM ALL ROOF EDGES UNLESS A GUARD RAIL IS PROVIDED.

5. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED REINFORCEMENT OF NEW AND EXISTING STRUCTURAL MEMBERS FOR MECHANICAL SYSTEMS. REFER TO "MECHANICAL SUPPORT REINFORCEMENT DETAIL" FOR ADDITIONAL REQUIREMENTS.

**ROOF PLAN KEYED NOTES:**

1

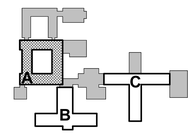
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**Nelson Care Center Renovation**

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**WOLD ARCHITECTS AND ENGINEERS**
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woldae.com | 612 772 9025




**KEY PLAN**

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

Brian Evan
Brian Evan
License Number: 54354 Date: 08/29/2025

| Revisions | | |
|---|---|---|
| Description | Date | Num. |
| Addendum #2 | 09/11/2025 | 1 |

Comm: 246040
Date: 08/29/2025
Drawn: MZ
Check: BE
North

**ROOF PLAN - AREA 'A'**

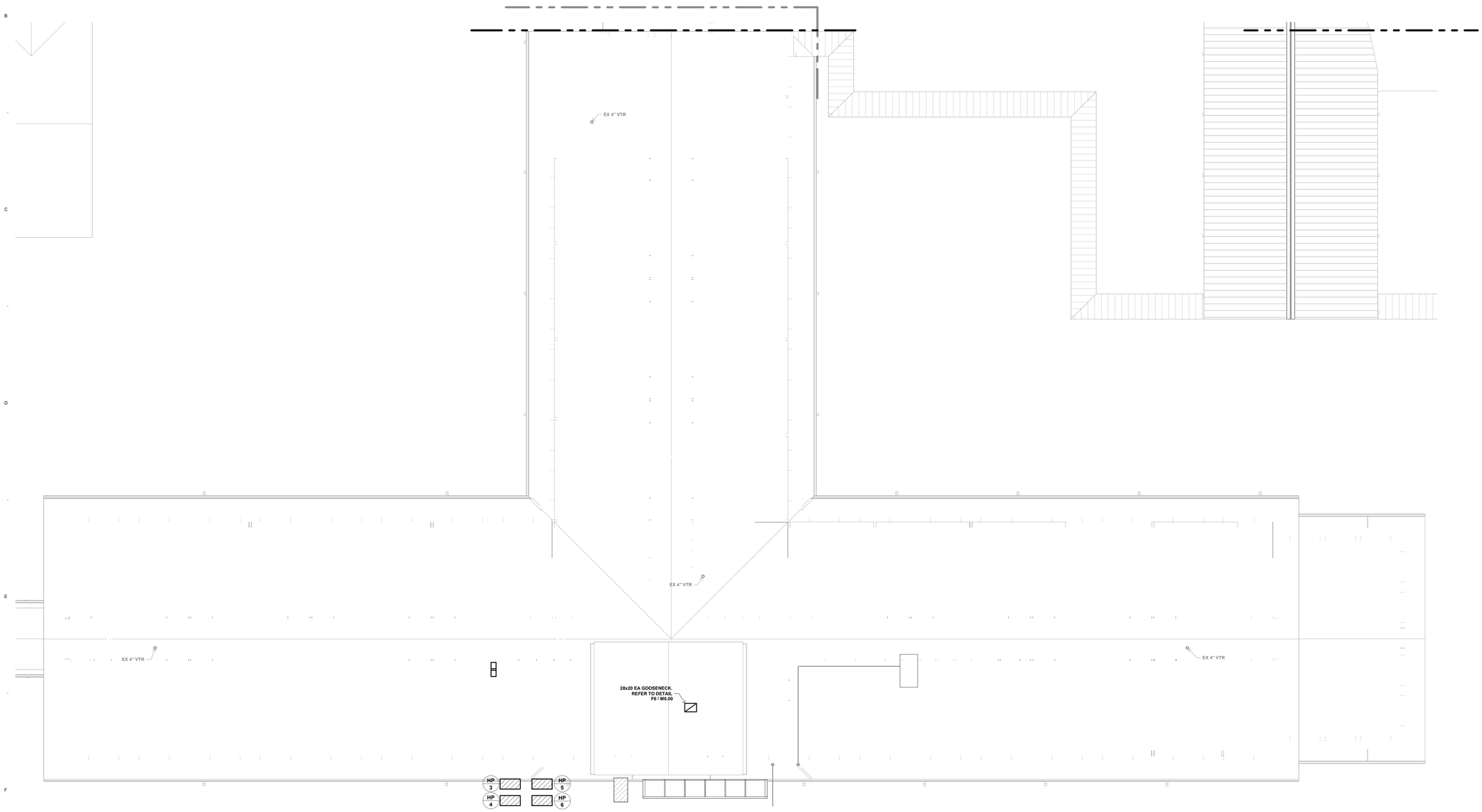
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# MN




F1 ROOF PLAN - AREA 'B'
1/8" = 1'-0"

**ROOF PLAN GENERAL NOTES:**

1. MECHANICAL CONTRACTOR SHALL DETERMINE LIMITATIONS AND/OR CONFLICTS RELATIVE TO THE EXECUTION OF HIS WORK PRIOR TO BID. VERIFY EXACT DETAIL OF INSTALLATION REQUIRED TO PROVIDE SYSTEMS SHOWN WITHIN SPACE INTENDED.

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**ROOF PLAN KEYED NOTES:**

1

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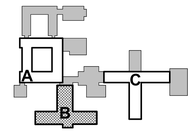
# Nelson Care Center Renovation

420 12TH AVE E,
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KEY PLAN

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Brian Evan

Brian Evan
License Number: 54354 Date: 08/29/2025

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| Addendum #2 | 09/11/2025 | 1 |

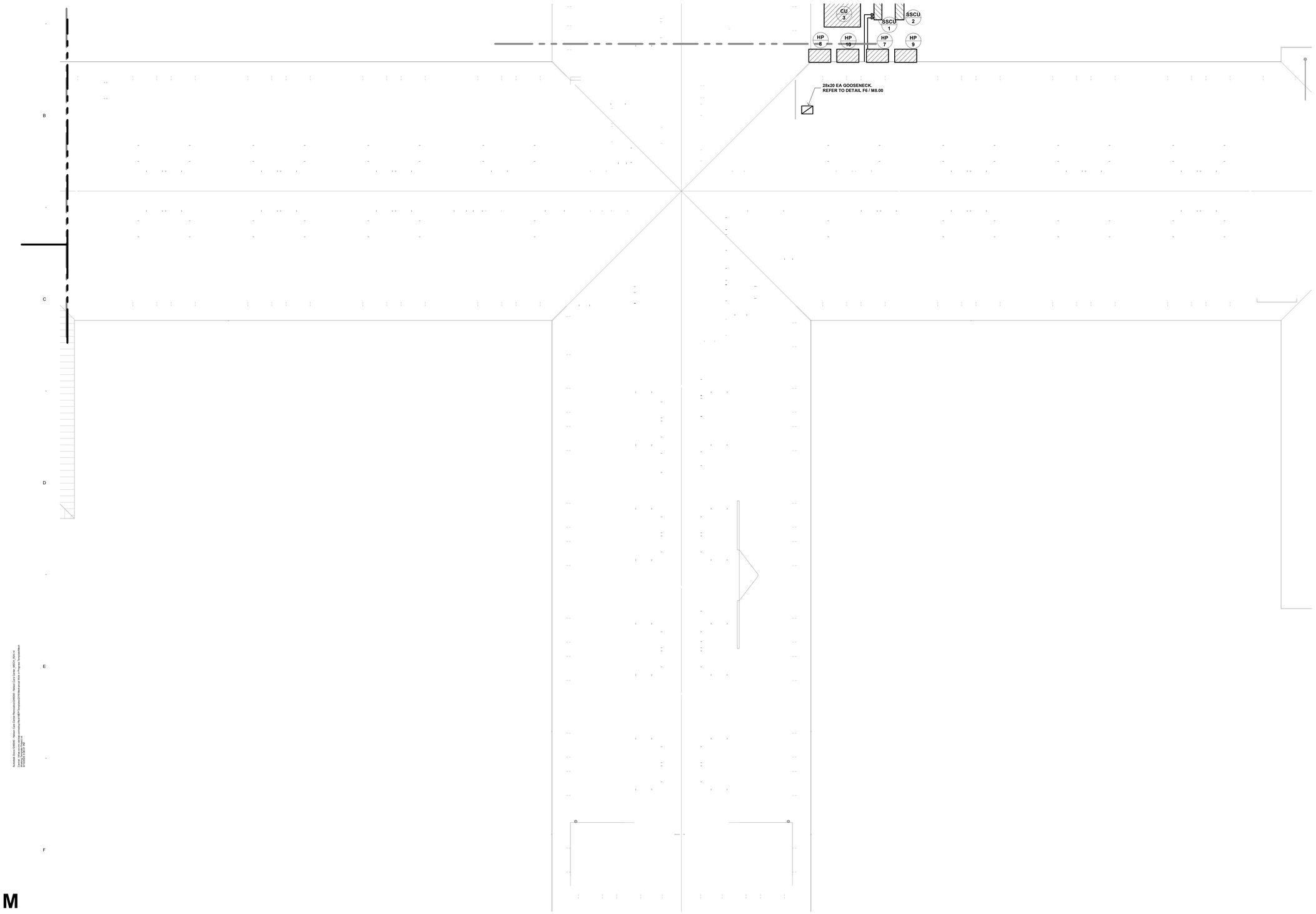
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Date: 08/29/2025
Drawn: MZ
Check: BE

North

ROOF PLAN - AREA 'B'

Scale: As Indicated

M6.01




**ROOF PLAN GENERAL NOTES:**

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**ROOF PLAN KEYED NOTES:**

1

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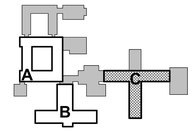
# Nelson Care Center Renovation

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**KEY PLAN**

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Brian Evan

**Brian Evan**
License Number: **54354** Date **08/29/2025**

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #2** | **09/11/2025** | **1** |

Comm: **246040**
Date: **08/29/2025**
Drawn: **MZ**
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North

# ROOF PLAN - AREA 'C'

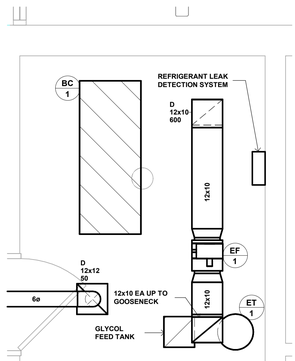
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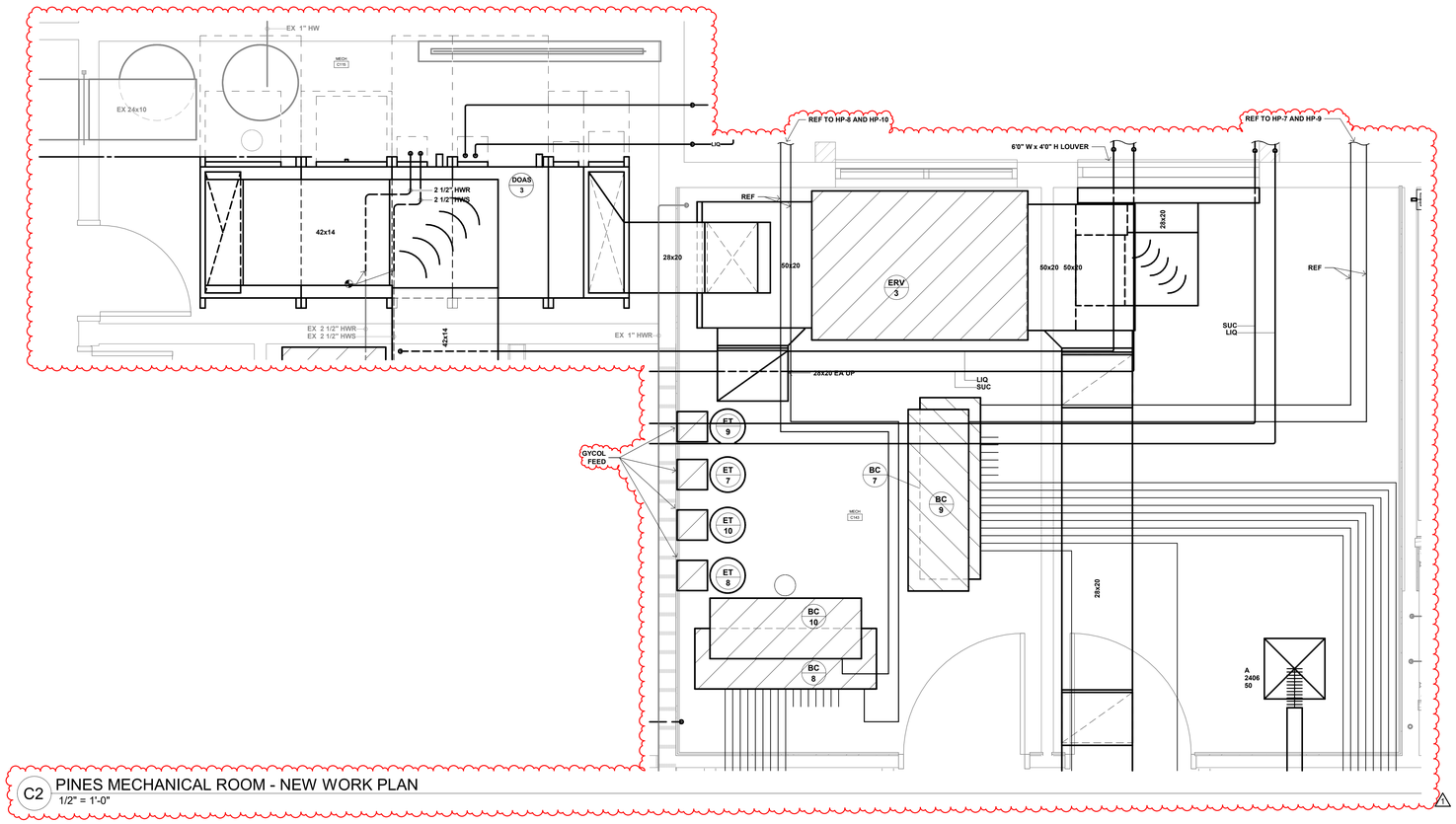
F1 ROOF PLAN - AREA 'C'
1/8" = 1'-0"

**100% CD SET**

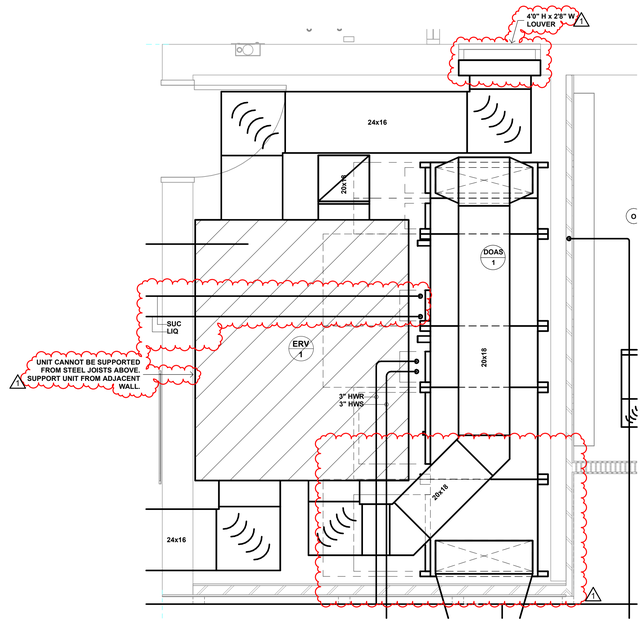
# MN



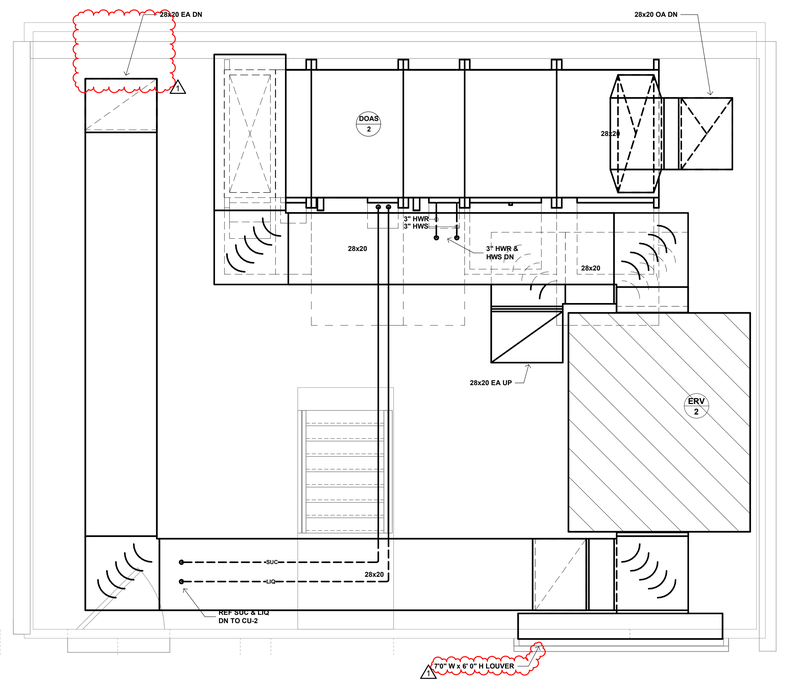

D1 SHORT STAY EXISTING MECHANICAL ROOM - NEW WORK PLAN
1/2" = 1'-0"




C2 PINES MECHANICAL ROOM - NEW WORK PLAN
1/2" = 1'-0"




F2 SHORT STAY NEW MECHANICAL ROOM - NEW WORK PLAN
1/2" = 1'-0"




F4 MAPLES PENTHOUSE - NEW WORK PLAN
1/2" = 1'-0"

**PENTHOUSE PLAN GENERAL NOTES:**

1. ALL RISES AND DROPS IN DUCTWORK ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.

2. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF CONSTRUCITON UNLESS OTHERWISE NOTED ON THE PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.

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4. VERIFY EXACT LOCATIONS OF FLOOR DRAINS WITH ARCHITECTURAL PLANS.

5. SLEEVE AND FIRESTOP ALL PIPE PENETRATIONS THROUGH FIRE RATED WALLS.

6. REFER TO ARCHITECTURAL PLANS FOR CONCRETE CURBS AND PADS. COORDINATE EXACT SIZES AND LOCATIONS.

7. VARIABLE FREQUENCY DRIVES ARE PROVIDED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

8. REFER TO ARCHITECTURAL PLANS FOR WALL LOUVERS. COORDINATE LOUVER SIZES, LOCATIONS, AND BLANK-OFF PANELS.

9. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED REINFORCEMENT OF NEW AND EXISTING STRUCTURAL MEMBERS FOR MECHANICAL SYSTEMS. REFER TO "MECHANICAL SUPPORT REINFORCEMENT DETAIL" FOR ADDITIONAL REQUIREMENTS.

**PENTHOUSE PLAN KEYED NOTES:**

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Brian Evan
License Number: 54354 Date 08/29/2025

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| Addendum #2 | 09/11/2025 | 1 |

Comm: 246040
Date: 08/29/2025
Drawn: MZ
Check: BE

North

**MECHANICAL ROOM NEW WORK PLANS**

Scale: As Indicated

**M7.01**

**100% CD SET**

Architect Revit ID#: 246040 - Nelson Care Center Renovation.rvt
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Current Worksharing User: Brian Evan
Date/Time: 8/29/2025 9:56:34 AM

MN

## DEDICATED OUTSIDE AIR UNIT SCHEDULE (DOAS 'X')

| UNIT NO. | SERVES | MANUFAC. | MODEL NO. | UNIT TYPE | TOTAL CFM | SUPPLY FAN | | | | | | | | | | COOLING COIL | | | | | | | HEATING COIL | | | | | | | | FILTERS | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | FAN # | SYSTEM DESIGN CFM | FAN TYPE | FAN SIZE | TOTAL S.P. | EXTERNAL S.P. | RPM | SYSTEM DESIGN BHP | MAX BHP | MOTOR HP | VFD | VOLTS/PH | COIL TYPE | PIPING TYPE | COIL # | ENT AIR DB/WB | LVG AIR DB/WB | SENS. MBH | TOTAL MBH | COIL TYPE | PIPING TYPE | COIL # | ENT AIR | LVG AIR | TOTAL MBH | TOTAL GPM | CONTROL VALVE | PRE TYPE | FINAL TYPE | |
| DOAS-1 | SHORT STAY 'AREA A' | DAIKIN | CAH006GDGM | DOAS | 2600 | DOAS-1: SF-1 | 2600 | DIRECT | DDPL16 | 4.97" | 2.00" | 3650 | 3.33 | 5.00 | 5.00 | YES | 208/3 | DX | TYPE | DOAS-1: CC-1 | 79.5/66.9 | 52.2/51.7 | 75.9 | 115.0 | HW | TYPE 'A' | DOAS-1: HC-1 | -23.0 | 80.7 | 294.9 | 31.4 | 2-WAY | MERV-8 | MERV-14 | 1-9 |
| DOAS-2 | MAPLES 'AREA B' | DAIKIN | CAH010GDGM | DOAS | 4540 | DOAS-2: SF-1 | 4540 | DIRECT | DDPL18 | 4.78" | 2.00" | 3650 | 4.90 | 7.50 | 7.50 | YES | 208/3 | DX | TYPE | DOAS-2: CC-1 | 79.5/66.9 | 52.7/52.0 | 130.0 | 197.5 | HW | TYPE 'A' | DOAS-2: HC-1 | -23.0 | 82.0 | 521.0 | 54.9 | 2-WAY | MERV-8 | MERV-14 | 1-9 |
| DOAS-3 | PINES 'AREA C' | DAIKIN | CAH009GDGM | DOAS | 4285 | DOAS-3: SF-1 | 4285 | DIRECT | DDPL18 | 4.77" | 2.00" | 3650 | 4.64 | 7.50 | 7.50 | YES | 208/3 | DX | TYPE | DOAS-3: CC-1 | 79.5/66.9 | 52.9/52.3 | 121.7 | 183.3 | HW | TYPE 'A' | DOAS-3: HC-1 | -23.0 | 83.1 | 497.4 | 51.8 | 2-WAY | MERV-8 | MERV-14 | 1-9 |

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. SMOKE DETECTORS ARE PROVIDED BY ELECTRICAL CONTRACTOR AND INSTALLED BY ELECTRICAL CONTRACTOR. COORDINATE EXACT LOCATIONS.
3. REFER TO DETAIL SHEETS FOR COIL PIPING CONNECTIONS.
4. REFER TO SECTIONS OF UNITS ON MECHANICAL ROOM SHEETS FOR UNIT COMPONENTS.
5. ENTERING HOT WATER TEMPERATURE IS 180° F, LEAVING TEMPERATURE IS 160° F. UNIT IS SELECTED BASED ON 30% ETHYLENE GLYCOL.
6. SUPPLY FANS INDICATED ARE CONTROLLED BY VARIABLE FREQUENCY DRIVES PROVIDED BY THE BUILDING AUTOMATION SYSTEM CONTRACTOR. ALL VARIABLE FREQUENCY DRIVES FOR THE ENTIRE PROJECT SHALL BE BY THE SAME MANUFACTURER.
7. PROVIDE INTERTWINED CIRCUITING ON DX COIL.
8. PROVIDE UNIT WITH MINIMUM 6" BASERAIL. PROVIDE ADDITIONAL BASERAIL HEIGHT AS REQUIRED SUCH THAT THE CONDENSATE DRAIN CONNECTION IS AT LEAST X" ABOVE THE FINISHED FLOOR. REFER TO THE PLANS FOR THE CONCRETE PAD HEIGHT. REFER TO THE CONDENSATE DRAIN PIPING DETAIL.
9. REFER TO THE ENERGY RECOVERY UNIT SCHEDULE FOR THE ASSOCIATED ENERGY RECOVERY SECTION OF THE AIR HANDLING UNIT.

## ENERGY RECOVERY SECTION SCHEDULE

| ASSOCIATED AIR HANDLING UNIT | TYPE (HX/WHEEL) | HEATING SEASON | | | | | | | COOLING SEASON | | | | | | | HP | VOLTS/PH | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SUPPLY AIR DATA | | | EXHAUST AIR DATA | | | EFFECTIVENESS | SUPPLY AIR DATA | | | EXHAUST AIR DATA | | | EFFECTIVENESS | | | |
| | | CFM | EAT | LAT | CFM | EAT | LAT | | CFM | EAT (DB/WB) | LAT (DB/WB) | CFM | EAT (DB/WB) | LAT (DB/WB) | | | | |
| DOAS-1 | PLATE HX | 2600 | -15.3/-15.4 | 44.2/36.6 | 2600 | 70/52.9 | 10.5/10.5 | 67.9% | 2600 | 82.4/68.5 | 77.2/64.8 | 2600 | 75.0/63.0 | 80.2/66.5 | 64.3% | 3.75 | 208/3 | 1 |
| DOAS-2 | PLATE HX | 4540 | -15.3/-15.4 | 41.1/33.5 | 4540 | 70/52.9 | 13.6/13.6 | 62.1% | 4540 | 82.4/68.5 | 77.5/65.6 | 4540 | 75.0/63.0 | 79.9/66.1 | 54.4% | 3.75 | 208/3 | 1 |
| DOAS-3 | PLATE HX | 4285 | -15.3/-15.4 | 39.6/32.4 | 4540 | 70/52.9 | 15.1/15.1 | 52.3% | 4285 | 82.4/68.5 | 77.6/65.7 | 4285 | 75.0/63.0 | 79.0/66.0 | 60.3% | 4.00 | 208/3 | 1 |

NOTES:
1. REFER TO THE AIR HANDLING UNIT SCHEDULE FOR THE ASSOCIATED AHU.

## CONDENSING UNIT SCHEDULE - AIR COOLED (CU 'X')

| UNIT NO. | SERVES | MFGR. | MODEL NO. | NOMINAL TONS | COMPRESSOR TYPE | VOLTS | PHASE | MCA | SCCR | CIRCUITS | STAGES | MIN EER | REFRIG. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CU-1 | DOAS-1 | AAON | CFA-011-B-A-S-LA00N | 10 | SCROLL | 208 | 3 | 41 | 5 kA | 2 | 2 | 13.3 | 454-B | 1-5 |
| CU-2 | DOAS-2 | AAON | CFA-018-C-A-S-LA00N | 18 | SCROLL | 208 | 3 | 69 | 5 kA | 2 | 2 | 12.9 | 454-B | 1-5 |
| CU-3 | DOAS-3 | AAON | CFA-016-C-A-S-LA00N | 16 | SCROLL | 208 | 3 | 65 | 5 kA | 2 | 2 | 13.0 | 454-B | 1-5 |

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE WITH SPRING VIBRATION ISOLATORS.
3. PROVIDE WITH HOT GAS BYPASS ON FIRST STAGE.
4. PROVIDE WITH SINGLE POINT ELECTRICAL CONNECTION AND TRANSFORMER FOR CONTROL CIRCUIT.
5. PROVIDE WITH SINGLE POINT DISCONNECT.

## FIN TUBE RADIATION SCHEDULE - HOT WATER

| UNIT NO. | MANUFACTURER | MODEL NUMBER | TUBE SIZE | TUBE/FIN CONSTRUCTION | FIN SIZE | FINS PER FOOT | ENCLOSURE HEIGHT | ENCLOSURE TYPE | EWT | LWT | EAT | ROWS | BTU/FT | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TYPE 'A' | STERLING | JVA-S | 3/4" | COPPER/ALUMINUM | 3-1/4" x 3-1/4" | 40 | 18" | SLOPE-TOP | 180 | 160 | 65 | 1 | 685.9 | 1,2,3 |

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE TAMPER RESISTANT ACCESS DOORS FOR AIR VENTS AND DRAIN VALVES.
3. FINNED TUBE RADIATION SELECTED WITH 30% PROPYLENE GLYCOL.

## CABINET UNIT HEATER SCHEDULE (CUH 'X')

| UNIT NO. | SERVES | MANUFACTURER | MODEL NUMBER | TYPE (GAS, HW OR ELEC) | CABINET | CFM | RPM | HP | VOLTS | PHASE | MBH | GPM | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CUH-1 | O2 A105 | STERLING | RC-1170-02 | HW | RECESSED CEILING | 230 | 1050 | 1/15 | 115 | 1 | 4.0 | 0.4 | 1,2,3 |
| CUH-2 | VESTIBULE B157 | STERLING | RC-1170-02 | HW | RECESSED CEILING | 230 | 1050 | 1/15 | 115 | 1 | 8.2 | 0.8 | 1,2,3 |

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. UNITS ARE SELECTED WITH 180 DEGREE ENTERING WATER AND 160 DEGREE LEAVING WATER WITH A 60 DEGREE ENTERING AIR TEMPERATURE.
3. SELECT UNITS AT 30% PROPYLENE GLYCOL.

## EXPANSION TANK SCHEDULE (ET 'X')

| UNIT NO. | SERVES | MANUFACTURER | MODEL NUMBER | TANK TYPE | AVERAGE WATER TEMP. | MINIMUM PRECHARGE PRESS (PSIG) | MAXIMUM OPER. PRESSURE (PSIG) | TANK VOLUME (GALLONS) | ACCEPTANCE VOLUME (GALLONS) | TANK HEIGHT | TANK DIA. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ET-1 | ET-1 | BELL & GOSSET | HFT-30 | DIAPHRAGM | 80 | 15 | 100 | 4.4 | 1.1 | 14 | 11 | 1,2 |
| ET-2 | ET-2 | BELL & GOSSET | HFT-30 | DIAPHRAGM | 80 | 15 | 100 | 4.4 | 1.1 | 14 | 11 | 1,2 |
| ET-3 | ET-3 | BELL & GOSSET | HFT-30 | DIAPHRAGM | 80 | 15 | 100 | 4.4 | 1.1 | 14 | 11 | 1,2 |
| ET-4 | ET-4 | BELL & GOSSET | HFT-30 | DIAPHRAGM | 80 | 15 | 100 | 4.4 | 2.6 | 14 | 11 | 1,2 |
| ET-5 | ET-5 | BELL & GOSSET | HFT-30 | DIAPHRAGM | 80 | 15 | 100 | 4.4 | 2.0 | 14 | 11 | 1,2 |
| ET-6 | ET-6 | BELL & GOSSET | HFT-30 | DIAPHRAGM | 80 | 15 | 100 | 4.4 | 1.5 | 14 | 11 | 1,2 |
| ET-7 | ET-7 | BELL & GOSSET | HFT-30 | DIAPHRAGM | 80 | 15 | 100 | 4.4 | 1.1 | 14 | 11 | 1,2 |
| ET-8 | ET-8 | BELL & GOSSET | HFT-30 | DIAPHRAGM | 80 | 15 | 100 | 4.4 | 1.5 | 14 | 11 | 1,2 |
| ET-9 | ET-9 | BELL & GOSSET | HFT-30 | DIAPHRAGM | 80 | 15 | 100 | 4.4 | 2.5 | 14 | 11 | 1,2 |
| ET-10 | ET-10 | BELL & GOSSET | HFT-30 | DIAPHRAGM | 80 | 15 | 100 | 4.4 | 1.5 | 14 | 11 | 1,2 |

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE AUTOMATIC AIR VENT PIPED TO NEAREST FLOOR DRAIN.

## SPLIT SYSTEM SCHEDULE (SS 'X' / SSCU 'X')

| UNIT NO. | SERVES | MFGR. | MODEL NO. | UNIT TYPE | CFM | COOLING COIL | | | | | INDOOR ELEC | | AIR COOLED CONDENSER | | | | | | INDOOR ELEC | | REFRIG. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COIL TYPE | ROWS | ENT AIR | LVG AIR | MBH | MCA | V/PH/HZ | UNIT NO | MODEL NO | LOCATION | FANS | AMB TEMP | MIN OUTDOOR INTAKE TEMP | MCA | V/PH/HZ | | |
| SS-1 | DATA C118 | MITSUBISHI | PKA-AL18NL | WALL MOUNTED | 320 | DX | 1 | 73 | 59 | 18 | 1.0 | 208,1,60 | SSCU-1 | PUY-AK18NL | ON GRADE | 1 | 115°F | -40°F | 16 | 208,1,60 | 454-B | 1-3 |
| SS-2 | ELEC C119 | MITSUBISHI | PKA-AL18NL | WALL MOUNTED | 320 | DX | 1 | 73 | 59 | 18 | 1.0 | 208,1,60 | SSCU-2 | PUY-AK18NL | ON GRADE | 1 | 115°F | -40°F | 16 | 208,1,60 | 454-B | 1-3 |

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. PROVIDE WITH INTEGRAL CONDENSATE PUMP.
3. PROVIDE UNIT WITH WIND BAFFLES FOR UNIT.

## EXHAUST FAN AND TRANSFER FAN SCHEDULE (EF 'X' / TF 'X')

| UNIT NO. | SERVES | LOCATION | MANUFACTURER | MODEL NO. | TYPE | CFM | TOTAL S.P. W.C. | DRIVE | EC MOTOR | RPM | HP | VOLTS/ PHASE | MAKE-UP AIR SOURCE | MOTORIZED DAMPER | CONTROL | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | BAS TIME OF DAY | BAS TIMED PUSH BUTTON | BAS TEMPERATURE SENSOR | OTHER - REFER TO SPECIFICATION | |
| EF-1 | MECH A133A | MECH A133A | GREENHECK | SQ-95-VG | INLINE | 600 | 0.5 | DIRECT | YES | 1,701 | 0.13 | 120/1 | DOAS-1 | YES | | | | X | 1, 2, 3, 4, 5, 6 |
| EF-2 | O2 A105, SOILED UTILITY A104 | SOILED UTILITY A104 | GREENHECK | SQ-100-VG | INLINE | 800 | 0.5 | DIRECT | YES | 1,360 | 0.14 | 120/1 | DOAS-1 | YES | | | | X | 1, 2, 3, 4, 5, 6 |

NOTES:
1. 120/1 VOLT FANS SHALL BE PROVIDED WITH A FACTORY MOUNTED DISCONNECT SWITCH.
2. 120/1 VOLT FANS THAT ARE NOT PROVIDED WITH SPEED ADJUSTABLE EC MOTORS SHALL HAVE A FACTORY MOUNTED SPEED SWITCH IN MOTOR COMPARTMENT FOR BALANCING.
3. PROVIDE WITH A GRAVITY BACK DRAFT DAMPER UNLESS A MOTORIZED DAMPER IS INDICATED TO BE PROVIDED.
4. WHERE MOTORIZED DAMPERS ARE INDICATED, THE DAMPERS AND ACTUATORS SHALL BE PROVIDED BY THE BAS CONTRACTOR AND INSTALLED BY DIV 23 CONTRACTOR.
5. PROVIDE WITH VARIABLE SPEED DRIVE. INSTALLED BY DIV 26. COORDINATE INSTALLATION LOCATION.
6. INLINE FANS SHALL BE PROVIDED HANGER TYPE VIBRATION ISOLATORS.

## DUCT COIL SCHEDULE (DC 'X')

| UNIT NO. | SERVES | SIZE | CFM | ENT. AIR | LVG. AIR | MAX PRESS. DROP W/COIL (IN WG.) | ENT. WATER | LVG. WATER | MBH | GPM | P.D. (FT) | CONTROL VALVE | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DC-1 | FCU 1-04 | 10" W X 6" H | 375 | 70 | 96.5 | 0.41 | 180 | 157.4 | 10.8 | 1.0 | 0.2 | 2-WAY | 1,2,3 |
| DC-2 | FCU 1-14 | 14" W X 9" H | 745 | 70 | 94.1 | 0.33 | 180 | 159.6 | 19.5 | 2.0 | 0.6 | 2-WAY | 1,2,3 |
| DC-3 | FCU 1-20 | 16" W X 9" H | 885 | 70 | 94.7 | 0.36 | 180 | 159.3 | 23.7 | 2.4 | 0.9 | 2-WAY | 1,2,3 |
| DC-4 | FCU 2-07 | 10" W X 6" H | 375 | 70 | 96.5 | 0.41 | 180 | 157.4 | 10.8 | 1.0 | 0.2 | 2-WAY | 1,2,3 |
| DC-5 | FCU 2-19 | 14" W X 9" H | 745 | 70 | 94.1 | 0.33 | 180 | 159.6 | 19.5 | 2.0 | 0.6 | 2-WAY | 1,2,3 |
| DC-6 | FCU 2-36 | 14" W X 6" H | 495 | 70 | 94.2 | 0.28 | 180 | 160.5 | 13.0 | 1.4 | 0.8 | 2-WAY | 1,2,3 |
| DC-7 | FCU 3-05 | 16" W X 9" H | 885 | 70 | 94.7 | 0.36 | 180 | 159.3 | 23.7 | 2.4 | 0.9 | 2-WAY | 1,2,3 |
| DC-8 | FCU 3-31 | 16" W X 9" H | 885 | 70 | 94.7 | 0.36 | 180 | 159.3 | 23.7 | 2.4 | 0.9 | 2-WAY | 1,2,3 |
| DC-9 | FCU 3-23 | 16" W X 9" H | 885 | 70 | 94.7 | 0.36 | 180 | 159.3 | 23.7 | 2.4 | 0.9 | 2-WAY | 1,2,3 |

NOTES:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
2. ALL COILS SHALL HAVE TYPE 'B' PIPING CONNECTIONS.
3. UNITS SELECTED AT 30% PROPYLENE GLYCOL.

## GRILLES, REGISTERS AND DIFFUSERS SCHEDULE

| TYPE | SERVICE | MANUF. & MODEL NO. | DESCRIPTION | REMARKS |
|---|---|---|---|---|
| A | SUPPLY AIR DIFFUSER (LAY-IN CEILING MOUNT) | TITUS MODEL TMS BORDER TYPE 3 | 24" x 24" STEEL 3 CONE LOUVERED FACE SUPPLY AIR DIFFUSER WITH ROUND INLET NECK, HEAVY GAUGE STEEL BACK PAN, AND FACTORY BAKED WHITE ENAMEL FINISH. | |
| B | RETURN GRILLE (LAY-IN CEILING MOUNT) | TITUS MODEL 50F BORDER TYPE 7 | ALUMINUM ½" x ½" x ½" EGG CRATE GRILLE OF THE SIZE INDICATED ON THE PLANS. PROVIDE WITH BORDER CHANNEL, AND FACTORY BAKED WHITE ENAMEL FINISH. | |
| C | SUPPLY REGISTER (SURFACE MOUNT) | TITUS MODEL 300RL | ALL STEEL SUPPLY REGISTER OF THE SIZE AS INDICATED ON THE PLANS. PROVIDE WITH DOUBLE DEFLECTION HORIZONTAL FRONT BLADES, ¾" SPACING, OPPOSED BLADE DAMPER, AND BAKED WHITE ENAMEL FINISH. | |
| D | EXHAUST REGISTER (SURFACE MOUNT) | TITUS MODEL 350RL | ALL STEEL EXHAUST REGISTER OF THE SIZE AS INDICATED ON THE PLANS. PROVIDE WITH SINGLE DEFLECTION HORIZONTAL BLADES AT A FIXED 35° PATTERN AT ¾" SPACING, OPPOSED BLADE DAMPER, AND FACTORY BAKED WHITE ENAMEL FINISH. | |
| E | RETURN, EXHAUST, TRANSFER GRILLE (SURFACE MOUNT) | TITUS MODEL 350RL | SAME AS EXHAUST REGISTER D EXCEPT WITHOUT THE OPPOSED BLADE DAMPER. | |
| G | SUPPLY REGISTER (SURFACE MOUNT) | TITUS MODEL 350FL | SAME AS TYPE C EXCEPT ALL ALUMINUM CONSTRUCTION. | |
| H | REGISTER (SURFACE MOUNT) | TITUS MODEL 350FL | SAME AS TYPE D EXCEPT ALL ALUMINUM CONSTRUCTION. | |
| I | EXHAUST OR TRANSFER GRILLE (SURFACE MOUNT) | TITUS MODEL 350FL | SAME AS TYPE H EXCEPT WITHOUT OPPOSED BLADE DAMPER. | |
| L | LINEAR SUPPLY DIFFUSER (LAY-IN CEILING MOUNT) | TITUS MODEL ML-38 BORDER TYPE 9A | EXTRUDED ALUMINUM 3/4" SLOT WITH LENGTH AND NUMBER OF SLOTS AS INDICATED ON THE PLANS. PROVIDE WITH END PLATES, OPTIONAL PLENUM WITH INLET AS INDICATED ON DRAWINGS, BLANK-OFF PLATES AS REQUIRED. STEEL PATTERN CONTROLLERS (PAINTED BLACK) CAPABLE OF 150° AIR FLOW ADJUSTMENT, AND FACTORY BAKED WHITE ENAMEL FINISH. | |

## PLUMBING FIXTURE SCHEDULE

| FIX. NO. | FIXTURE TYPE | WASTE | VENT | CW | HW | REMARKS |
|---|---|---|---|---|---|---|
| P-1 | WATER CLOSET | 3" | 2" | 1/2" | - | ADA COMPLIANT<br>FLOOR MOUNTED |
| P-2 | RESIDENT LAVATORY | 1 1/4" | 1 1/4" | 1/2" | 1/2" | ADA COMPLIANT<br>- |
| P-3 | RESIDENT SHOWER | - | - | 1/2" | 1/2" | ADA COMPLIANT<br>- |
| P-4 | MOP BASIN | 3" | 1 1/2" | 3/4" | 3/4" | -<br>- |
| P-5 | BARIATRIC WATER CLOSET | 4" | 2" | 1 1/4" | - | ADA COMPLIANT<br>FLOOR MOUNTED |
| P-6 | FLUSH RIM SINK | 4" | 2" | 1 1/4" | 3/4" | -<br>- |
| P-7 | WALL MOUNTED HAND WASHING SINK | 1 1/2" | 1 1/2" | 1/2" | 1/2" | -<br>- |
| P-8 | STAINLESS STEEL SINK | 1 1/2" | 1 1/2" | 1/2" | 1/2" | -<br>- |
| P-9 | DRAINAGE UTILITY BOX | 2" | 1 1/2" | - | - | -<br>- |
| P-10 | WATER UTILITY OUTLET BOX | - | - | 3/4" | - | -<br>- |

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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**
Brian Evan
**Brian Evan**
License Number: **54354** Date **08/29/2025**

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #2** | **09/11/2025** | **1** |

Comm: **246040**
Date: **08/29/2025**
Drawn: **MZ**
Check: **BE**

**MECHANICAL SCHEDULES**

Scale: **As Indicated**

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## MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF FAN COIL UNIT SCHEDULE - AREA 'C'

| | System Tag | East Wing | East Wing | East Wing | East Wing | East Wing | East Wing | East Wing | East Wing | East Wing | East Wing | East Wing | South Wing | South Wing | South Wing |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Tag Reference | FCU 3-38 | FCU 3-39 | FCU 3-37 | FCU 3-36 | FCU 3-35 | FCU 3-34 | FCU 3-33 | FCU 3-32 | FCU 3-29 | FCU 3-28 | FCU 3-30 | FCU 3-27 | FCU 3-26 | FCU 3-25 |
| Nominal Data | Room Name | Resident | Resident | Resident | Resident | Resident | Resident | Resident | Resident | Resident | NOT USED | NOT USED | Resident | Resident | Resident |
| | M-NET Address | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | - | - | 12 | 13 | 14 |
| | Model | TPEFYW012MA1W0A | TPEFYW012MA1W0A | TPEFYW012MA1W0A | TPEFYW012MA1W0A | TPEFYW012MA1W0A | TPEFYW012MA1W0A | TPEFYW006MA1W0A | TPEFYW012MA1W0A | TPEFYW012MA1W0A | - | - | TPEFYW012MA1W0A | TPEFYW012MA1W0A | TPEFYW012MA1W0A |
| | Type | Ceiling-Concealed (Ducted) | Ceiling-Concealed (Ducted) | Ceiling-Concealed (Ducted) | Ceiling-Concealed (Ducted) | Ceiling-Concealed (Ducted) | Ceiling-Concealed (Ducted) | Ceiling-Concealed (Ducted) | Ceiling-Concealed (Ducted) | Ceiling-Concealed (Ducted) | - | - | Ceiling-Concealed (Ducted) | Ceiling-Concealed (Ducted) | Ceiling-Concealed (Ducted) |
| | Nominal Cooling Capacity (BTU/h) | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 | 12,000 | 6,000 | 12,000 | 12,000 | - | - | 12,000 | 12,000 | 12,000 |
| | Nominal Heating Capacity (BTU/h) | 13,500 | 13,500 | 13,500 | 13,500 | 13,500 | 13,500 | 6,700 | 13,500 | 13,500 | - | - | 13,500 | 13,500 | 13,500 |
| Design Conditions | Cooling Design Entering Temp DB/WB (°F) / [Water in temp] | 80.0/67.0 | 80.0/67.0 | 80.0/67.0 | 80.0/67.0 | 80.0/67.0 | 80.0/67.0 | 80.0/67.0 | 80.0/67.0 | 80.0/67.0 | - | - | 80.0/67.0 | 80.0/67.0 | 80.0/67.0 |
| | Heating Design Entering Temp DB/WB (°F) / [Water in temp] | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | - | - | 70.0 | 70.0 | 70.0 |
| | Cooling Diversity Full/Partial (See Note 5, 6) | FULL DEMAND | FULL DEMAND | FULL DEMAND | FULL DEMAND | FULL DEMAND | FULL DEMAND | FULL DEMAND | FULL DEMAND | FULL DEMAND | - | - | FULL DEMAND | FULL DEMAND | FULL DEMAND |
| | Heating Diversity Full/Partial (See Note 5, 6) | FULL DEMAND | FULL DEMAND | FULL DEMAND | FULL DEMAND | FULL DEMAND | FULL DEMAND | FULL DEMAND | FULL DEMAND | FULL DEMAND | - | - | FULL DEMAND | FULL DEMAND | FULL DEMAND |
| | Refrig Pipe Dim Liquid/Suction (inch) | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 | - | - | 3/4 | 3/4 | 3/4 |
| Performance Data | Cooling Total Capacity (BTU/h) | 11,379.0 | 11,379.0 | 11,379.0 | 11,379.0 | 11,379.0 | 11,379.0 | 5,689.5 | 11,379.0 | 11,379.0 | - | - | 11,379.0 | 11,379.0 | 11,379.0 |
| | Cooling Sensible Capacity (BTU/h) | 8,103.9 | 8,103.9 | 8,103.9 | 8,103.9 | 8,103.9 | 8,103.9 | 5,647.6 | 8,103.9 | 8,103.9 | - | - | 8,103.9 | 8,103.9 | 8,103.9 |
| | Heating Capacity (BTU/h) | 8,376.7 | 8,376.7 | 8,376.7 | 8,376.7 | 8,376.7 | 8,376.7 | 4,157.3 | 8,376.7 | 8,376.7 | - | - | 9,179.8 | 9,179.8 | 9,179.8 |
| | Estimated Cooling Coil LAT (°F) / [LWT] | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 61.6 | 58.6 | 58.6 | - | - | 58.6 | 58.6 | 58.6 |
| | Estimated Heating Coil LAT (°F) / [LWT] | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 83.3 | 91.7 | 91.7 | - | - | 93.8 | 93.8 | 93.8 |
| Fan / Water Flow Data | Fan Speed Setting | HIGH | HIGH | HIGH | HIGH | HIGH | HIGH | HIGH | HIGH | HIGH | - | - | HIGH | HIGH | HIGH |
| | Peak Fan Airflow (cfm) / [Design gpm] | 371 | 371 | 371 | 371 | 371 | 371 | 300 | 371 | 371 | - | - | 371 | 371 | 371 |
| | Max Fan ESP Setting 208V/230V (IN WG) | | | | | | | | | | | | | | |
| | Sound Pressure Per Fan Speed 208V/230V (dBA) | 26-30-34 | 26-30-34 | 26-30-34 | 26-30-34 | 26-30-34 | 26-30-34 | 26-30-34 | 26-30-34 | 26-30-34 | - | - | 26-30-34 | 26-30-34 | 26-30-34 |
| | Indoor Water Volume (L) | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | - | - | 0.9 | 0.9 | 0.9 |
| Electrical Data | Voltage / Phase | 208/230V/1-phase | 208/230V/1-phase | 208/230V/1-phase | 208/230V/1-phase | 208/230V/1-phase | 208/230V/1-phase | 208/230V/1-phase | 208/230V/1-phase | 208/230V/1-phase | - | - | 208/230V/1-phase | 208/230V/1-phase | 208/230V/1-phase |
| | Power Cooling 208V/230V (kW) | 0.085 | 0.085 | 0.085 | 0.085 | 0.085 | 0.085 | 0.085 | 0.085 | 0.085 | - | - | 0.085 | 0.085 | 0.085 |
| | Power Heating 208V/230V (kW) | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.70 | 1.40 | 1.70 | 1.70 | - | - | 1.70 | 1.70 | 1.70 |
| | Indoor Fan Motor Output(KW) | 0.085 | 0.085 | 0.085 | 0.085 | 0.085 | 0.085 | 0.085 | 0.085 | 0.085 | - | - | 0.085 | 0.085 | 0.085 |
| | Indoor Fan Full Load Amps (A) | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | - | - | 1.4 | 1.4 | 1.4 |
| | Electrical MCA/MFS | 2.13/15 | 2.13/15 | 2.13/15 | 2.13/15 | 2.13/15 | 2.13/15 | 1.75/15 | 2.13/15 | 2.13/15 | - | - | 2.13/15 | 2.13/15 | 2.13/15 |
| | Condensate Removal Rate (gal/hr) | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.14 | 0.39 | 0.39 | - | - | 0.39 | 0.39 | 0.39 |
| | Actual Port Assignments | | | | | | | | | | | | | | |
| Notes / Options | Applicable System Notes - See Notes Below | 1, 2, 3, 4, 5, 6, 7, 8, 9 | 1, 2, 3, 4, 5, 6, 7, 8, 9 | 1, 2, 3, 4, 5, 6, 7, 8, 9 | 1, 2, 3, 4, 5, 6, 7, 8, 9 | 1, 2, 3, 4, 5, 6, 7, 8, 9 | 1, 2, 3, 4, 5, 6, 7, 8, 9 | 1, 2, 3, 4, 5, 6, 7, 8, 9 | 1, 2, 3, 4, 5, 6, 7, 8, 9 | 1, 2, 3, 4, 5, 6, 7, 8, 9 | - | - | 1, 2, 3, 4, 5, 6, 7, 8, 9 | 1, 2, 3, 4, 5, 6, 7, 8, 9 | 1, 2, 3, 4, 5, 6, 7, 8, 9 |

**Notes & Options:**

1 Nominal cooling capacities are based on indoor coil EAT of 80/67°F (DB/WB), outdoor of 95°F (DB)
2 Nominal heating capacities are based on indoor coil EAT of 70°F (DB), outdoor of 43°F (WB)
3 See outdoor unit schedule for outdoor ambient conditions, connected capacity, and other factors associated with corrected capacities
4 See schematic piping/control diagram for indication of required indoor unit remote controllers, system controllers, and integration devices.
5 Full demand corrected capacity includes de-rate associated with indoor vs. outdoor connected capacity indicated on outdoor unit schedule for associated system.
Partial corrected capacity assumes sufficient diversity exists such that the connected capacity de-rate does not apply.
It is the designer's responsibility to ensure "Diamond System Builder" is set in the appropriate output capacity setting (full demand/partial demand) prior to generating this schedule.
6 It is recommended to always base heating corrected capacity on full demand.
7 Each Indoor Unit to be Provided with 22mm Compression fitting to 3/4" NPT, 3/4" NPT Full Port Isolation Valve w/ Handle Extension, Auto Air Seperator w/ Hydroscopic Cap and Drain Plug
8 Provided with MERV13 Filter BOX w/ MERV 13 Pleated Filter
9 Provide Filter Box with MERV 13 Filters

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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
Brian Evan
License Number: 54354 Date: 08/29/2025

Revisions

| Description | Date | Num |
|---|---|---|
| Addendum #2 | 09/11/2025 | 1 |

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**MECHANICAL SCHEDULES**

Scale: As indicated

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# ELECTRICAL SYMBOL SCHEDULE

## GENERAL ELECTRICAL SYMBOLS

A. DEVICES SHALL BE MOUNTED AT THE HEIGHT INDICATED, UNLESS NOTED OTHERWISE. HEIGHTS ARE MEASURED TO FROM DEVICE CENTER TO FINISHED FLOOR. DEVICES MOUNTED IN BLOCK/BRICK WALLS SHALL CORRESPOND WITH BLOCK/BRICK COURSING. SEE MASONRY BACKBOX MOUNTING HEIGHT DETAIL.

B. ALL MOUNTING HEIGHTS INDICATED ARE FROM THE FINISH FLOOR TO THE CENTER OF THE BOX.

C. ON DEMOLITION DRAWINGS, DASHED ELECTRICAL ITEMS DENOTES EXISTING ITEMS TO BE REMOVED; SOLID SCREENED ELECTRICAL ITEMS DENOTES EXISTING ITEMS TO REMAIN, UNLESS NOTED OTHERWISE

D. ON NEW WORK LIGHTING, POWER AND SYSTEMS DRAWINGS, SCREENED ELECTRICAL ITEMS DENOTES EXISTING ITEMS TO REMAIN; SOLID ELECTRICAL ITEMS DENOTES NEW ITEMS, UNLESS NOTED OTHERWISE

DEVICES TO BE DEMOLISHED:

EXISING DEVICES TO REMAIN:

NEW DEVICES:

KEYED NOTE.

FEEDER OR EQUIPMENT DRAWING NOTE.

ELEVATION, SEE DETAIL # ON SHEET E#.

## POWER DISTRIBUTION AND EQUIPMENT

SWITCHBOARD WITH CONCRETE PAD: FLOOR MOUNTED.

RELAY/CONNECTION CABINET; WALL MOUNTED, WITH TOP AT 72" AFF

PANELBOARD; WALL MOUNTED WITH TOP AT 78" AFF.

ATS — AUTOMATIC TRANSFER SWITCH; WALL OR FLOOR MOUNTED.

T — TRANSFORMER, WITH SIZE AS NOTED. SEE RISER DIAGRAM, SCHEDULE OR FLOOR PLANS; VERIFY.

PB — PULLBOX

HH — HANDHOLE

MCC — MOTOR CONTROL CENTER (W/CONCRETE PAD); FLOOR MOUNTED.

PLUG-IN BUS DUCT SWITCH; SIZE AS INDICATED AND SPECIFIED. VERIFY MOUNTING HEIGHT.

M — METER/SOCKET ASSEMBLY; MOUNT TOP AT 72" AFF

## BRANCH CIRCUIT, FEEDER, AND RACEWAY

INDICATES CONDUIT ROUTED BELOW, IN FLOOR STRUCTURE, BELOW GRADE, OR AS NOTED.

GROUND

INDICATES CONDUIT IS SURFACE MOUNTED

INDICATES CONDUIT ROUTED CONCEALED ABOVE FLOOR OR GRADE (IN CEILING OR WALL)

INDICATES CONDUIT UP

INDICATES CONDUIT DOWN

CONDUIT STUB - TERMINATION INDICATED BY NOTE

CONDUIT CONTINUATION

SLE — CONDUIT SLEEVE WITH BUSHINGS ON BOTH ENDS, SEE SCHEDULE FOR QUANTITIES AND SIZES OF SLEEVES

12"X4" — CABLE TRAY (WIDTH X DEPTH)

1"C.3#4+1#3G — INDICATES 1" CONDUIT, (3) NO. 4 AWG CONDUCTORS AND (1) NO. 3 GROUND WIRE

SURFACE RACEWAY ASSEMBLY. PROVIDE AS SPECIFIED, UNLESS NOTED OTHERWISE.

## LIGHTING

- RECESSED LUMINAIRE (TYPE DENOTED)
- SURFACE MOUNTED LUMINAIRE (TYPE DENOTED)
- LUMINAIRE ON EMERGENCY CIRCUIT, SWITCHED
- LUMINAIRE ON EMERGENCY CIRCUIT, UNSWITCHED
- STRIP LIGHT LUMINAIRE; FOR SUSPENDED MOUNTING HEIGHTS, SEE DRAWINGS.
- WALL MOUNTED LUMINAIRE; SEE REFLECTED CEILING PLAN FOR MOUNTING HEIGHT.
- LINEAR PENDANT LUMINAIRE; FOR SUSPENDED MOUNTING HEIGHTS, SEE DRAWINGS.
- CIRCULAR PENDANT LUMINAIRE; FOR SUSPENDED MOUNTING HEIGHTS, SEE DRAWINGS.
- TRACK LIGHT LUMINAIRE (WITH HEADS OR PENDANTS); LENGTH AND MOUNTING AS NOTED ON DRAWINGS.
- EXIT LIGHT-FACE SHOWN SHADED; PLAN INDICATES CEILING OR WALL MOUNTING AND DIRECTIONAL ARROWS.
- EMERGENCY LIGHTING UNIT - TWO HEAD MOUNTING AS INDICATED ON DRAWINGS.
- POLE MOUNTED SITE LUMINAIRE - SINGLE SQUARE HEAD. NUMBER OF HEADS AS SHOWN.
- POLE MOUNTED SITE LUMINAIRE - PEDESTRIAN OR BOLLARD STYLE.

## LIGHTING CONTROL

- SWITCHING NOTATION. ## INDICATES THE FOLLOWING: (46")
  - 3 THREE-WAY
  - 4 FOUR-WAY
  - D DIMMER
  - K KEYED
  - LV LOW VOLTAGE
  - MC MOMENTARY CONTACT
  - PL PILOT LIGHT
  - TD TIME DELAY

  EACH SYMBOL DENOTES A SINGLE POLE LIGHT SWITCH WHEN MULTIPLE SWITCHES ARE SHOWN, LOCATE ALL UNDER SINGLE MULTI-SWITCH COVERPLATE.
- PC PC — PHOTOCELL - WALL, CEILING, OR ROOF MOUNTED; SEE DRAWINGS.
- OS OS — OCCUPANCY SENSOR - WALL OR CEILING CELING MOUNT. REFER TO LIGHTING CONTROL SCHEDULE FOR OPERATION INFORMATION. (46")
- R R — EMERGENCY LIGHTING RELAY (UL 924) - SEE WIRING SCHEMATIC ON DETAIL SHEETS.
- B # B — EMERGENCY BATTERY UNIT - WALL MOUNTED JUST BELOW CEILING, OR MOUNTED ABOVE ACCESSIBLE CEILING. 90 MINUTE RUNTIME, OR AS INDICATED ON PLANS. M = MINUTE, H = HOUR.

## SECURITY DEVICES

- xx S — SECURITY DEVICE. xx INDICATES THE FOLLOWING:
  - CM CONTROL MODULE
  - DC DOOR CONTACTS (MONITORING)
  - EL ELECTRIC LOCK/LATCH
  - ES ELECTRIC STRIKE
  - GB GLASS BREAK DETECTOR
  - IR INFARED DETECTOR
  - ML MAGNETIC LOCK
  - REX REQUEST TO EXIT
  - XP EXIT PUSHBUTTON, MOUNT AT ADA HT
- CR S / CRK S — CR = CARD READER ROUGH-IN AT ADA HEIGHT; CRK = CARD READER WITH INTEGRADED KEY PAD REFER TO DETAILS. (46")
- DR S — DOOR RELEASE; MOUNT PER DWGS. (46")
- I S / VI S — VIDEO INTERCOM WITH INTEGRATED DOOR RELEASE; MOUNT WITH ACTIVATION BUTTON AT MAXIMUM 48" (BUTTON LOCATION VARIES BY DEVICE MANUFACTURER); WALL MOUNT, 1" CONDUIT TO ACCESSIBLE CEILING. REFER TO DETAIL. I = INTERCOM; VI = VIDEO INTERCOM; MS = MASTER STATION
- KP S — KEYPAD; VERIFY MOUNTING HEIGHT WITH DWGS. (46")
- DB S — DURESS BUTTON (COVERT UNDER DESK) (18" (BELOW SURFACE))
- LD S — LOCK DOWN BUTTON (WALL PLUNGER WITH COVER) (46")
- MC S — MASTER CONTROL STATION (1)
- MD S — MOTION DETECTOR; ARROW INDICATES DIRECTION. (WALL OR CEILING MOUNTED).
- CS S — CONTROL SWITCH - INTERVIEW ROOM ACTIVITY. REFER TO DETAIL. (46")
- IL S — INDICATOR LIGHT - INTERVIEW ROOM ACTIVITY. REFER TO DETAIL.
- SURVEILLANCE CAMERA. (WALL OR CEILING MOUNTED, 1"C. BUSHED EMT TO ACCESSIBLE CEILING).
- MULTI-LENS SURVEILLANCE CAMERA. (WALL OR CEILING MOUNTED, 1"C. BUSHED EMT TO ACCESSIBLE CEILING).

## COMMUNICATION DEVICES

- xx — PAGING/INTERCOM SPEAKER HORN ASSEMBLY- P.A. OR AS INDICATED xx INDICATES THE FOLLOWING: WG = WIREGUARD, PA = P.A. SYSTEM. (3/4"C. BUSHED EMT TO ACCESSIBLE CEILING). — 90"
- xx — LOUD SPEAKER HORN ASSEMBLY; VERIFY MOUNTING HEIGHT. xx INDICATES THE FOLLOWING: WG = WIREGUARD, PA = P.A. SYSTEM. (3/4"C. BUSHED EMT TO ACCESSIBLE CEILING).
- S Z# / S xx — SPEAKER WITH BACKBOX (WALL OR CEILING). xx INDICATES THE FOLLOWING: PA = P.A. SYSTEM, V = WITH INTEGRAL VOLUME CONTROL; Z# = ZONE NUMBER. AV = REFER TO A/V SYMBOLS. (3/4"C. BUSHED EMT TO ACCESSIBLE CEILING). MOUNT 12" BELOW CEILING OR AS INDICATED ON PLANS.
- xx I — INTERCOM. x INDICATES THE FOLLOWING: M = MASTER STATION. IC = REFER TO A/V SYMBOLS. HS = REFER TO A/V SYMBOLS. (1/2"C. BUSHED EMT TO ACCESSIBLE CEILING). — TOP AT 46" AFF
- V — VOLUME CONTROL. (1/2"C. BUSHED EMT TO ACCESSIBLE CEILING). — 46"
- CALL BACK SWITCH. (1/2"C. BUSHED EMT TO ACCESSIBLE CEILING). — 46"
- C D — CLOCK OUTLET. (3/4"C. BUSHED EMT TO ACCESSIBLE CEILING FOR WIRED CLOCKS ONLY). D = DOUBLE FACED — 90"
- B — BELL/AUDIBLE DEVICE. (3/4"C. BUSHED EMT TO ACCESSIBLE CEILING). — 90"
- D# — WALL DATA AND COMMUNICATIONS OUTLET: (BUSHED EMT TO ACCESSIBLE CEILING SPACE OR AS INDICATED). D# INDICATES TYPE OF OUTLET. SEE DETAIL SHEETS. — 18"
- D# WAP — CEILING DATA OUTLET AND WIRELESS ACCESS POINT: (BUSHED EMT TO ACCESSIBLE CEILING SPACE OR AS INDICATED). D# INDICATES TYPE OF OUTLET. SEE DETAIL SHEETS.
- RS — WALL MOUNT DATA OUTLET FOR ROOM SCHEDULING EQUIPMENT. REFER TO DETAILS. — 46"
- W — WALL PHONE COMMUNICATIONS OUTLET: (1" BUSHED EMT TO ACCESSIBLE CEILING SPACE). SEE DETAIL SHEETS — 46"
- A — DISTRIBUTED ANTENNA SYSTEM (DAS) ANTENNA. — CLG

## FIRE ALARM DEVICES

- FAAP — FIRE ALARM ANNUNCIATOR PANEL; — TOP AT 60" AFF
- FACP — FIRE ALARM CONTROL PANEL (MASTER); — TOP AT 68" AFF
- NAC — FIRE ALARM NOTIFICATION APPLIANCE CIRCUIT PANEL. MOUNT TOP 82" AFF PLUS OR MINUS 2". — TOP AT 82 ± 2" AFF
- F — FIRE ALARM MANUAL PULL STATION. — 46"
- F — FIRE ALARM HORN (AUDIBLE), WALL MOUNTED. — 84"
- B F / F — FIRE ALARM CHIME (WP FOR EXTERIOR MOUNTING). B = BELL. — 84"
- xx F / xx F — FIRE ALARM STROBE (VISUAL) DEVICE (WALL OR CEILING MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRE GUARD; WP=WEATHER PROOF — 84", CLNG
- xx F / xx F — FIRE ALARM HORN/STROBE (COMBINATION) (WALL OR CEILING MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRE GUARD; WP=WEATHER PROOF — 84", CLNG
- xx S F / xx S F — FIRE ALARM SPEAKER/STROBE (COMBINATION) (WALL OR CEILING MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRE GUARD; WP=WEATHER PROOF — 84", CLNG
- xx S F / xx S F — FIRE ALARM SPEAKER (WALL OR CEILING MOUNTED). xx INDICATES THE FOLLOWING: WG=WIRE GUARD; WP=WEATHER PROOF — 84", CLNG
- F — FIREMAN PHONE JACK; MOUNT TOP 54" AFF PLUS OR MINUS 2".
- D F — MAGNETIC DOOR HOLD-OPEN (WALL MOUNTED); MOUNT PER DWGS.
- FL F — SPRINKLER FLOW-SWITCH; MOUNT PER DWGS.
- TS F — SPRINKLER TAMPER-SWITCH; MOUNT PER DWGS.
- F S-CO F S / F S-H — SMOKE DETECTOR-CEILING MOUNTED. S-CO = COMBINATION SMOKE AND CARBON MONOXIDE DETECTOR S-H - COMBINATION SMOKE AND HEAT DETECTOR
- H #° — HEAT DETECTOR (RATE-OF-RISE); #° = FIXTED TEMPERATURE - CEILING MOUNTED.
- SD F — DUCT SMOKE DETECTOR; MOUNT PER DWGS.
- I F — FIRE ALARM INDIVIDUAL ADDRESSABLE MODULE; MOUNT PER DWGS.
- CM F — FIRE ALARM CONTROL MODULE; MOUNT PER DWGS.
- F/S F — FIRE/SMOKE DAMPER; MOUNT PER DWGS.

## POWER AND MOTOR DEVICES

- xx — RECEPTACLE NOTATION. xx INDICATES THE FOLLOWING:
  - AB ABOVE COUNTER, BOTTOM OF BOX 2" ABOVE BACKSPLASH
  - IG ISOLATED GROUND
  - GFI INTEGRAL GROUND FAULT CIRCUIT INTERRUPTER
  - GFI CB GROUND FAULT CIRCUIT INTERRUPTER IN CIRCUIT BREAKER
  - TR TAMPER RESISTANT
  - USB (2) USB PORTS INTEGRAL WITH RECEPTACLE
  - WP WEATHERPROOF
- SURFACE MOUNTED DUPLEX / QUAD RECEPTACLES AND DATA OUTLETS
- RECEPTACLES WITH GROUND FAULT CIRCUIT INTERRUPTER
- DUPLEX RECEPTACLE ON NORMAL CIRCUIT — 18"
- DUPLEX RECEPTACLE ON EMERGENCY CIRCUIT — 18"
- RECEPTACLE (SINGLE) — 18"
- DOUBLE DUPLEX RECEPTACLE (QUAD) ON NORMAL CIRCUIT — 18"
- DOUBLE DUPLEX RECEPTACLE (QUAD) ON EMERGENCY CIRCUIT — 18"
- SPECIAL PURPOSE OUTLET; RECESSED, MOUNT PER DWGS. — 18"
- RECESSED CEILING MOUNTED SINGLE OR DUPLEX RECEPTACLE W/ ADDITIONAL 10' FLEX MC/AC SLACK (COILED); FOR FUTURE DEVICE RELOCATION.
- USB ONLY DEVICE, (4) USB CHARGING PORTS — 18"
- J J — CEILING OR WALL MOUNTED JUNCTION BOX WITH REQUIRED COVERPLATE - PLAN INDICATES FUNCTION — CLG, 18"
- MSP — MOTOR RATED SWITCH AND PILOT. — 46"
- MS — MOTOR RATED SWITCH. — 46"
- MSS — MOTOR STARTER SWITCH WITH MOTOR RUNNING PROTECTION (ADD RELAY IF CONTROL CONTACTS ARE REQUIRED). — 46"
- DISCONNECT SWITCH - NON FUSED. — 6'-0"
- DISCONNECT SWITCH - FUSED. — 6'-0"
- MOTOR STARTER. — 6'-0"
- COMBINATION STARTER/DISCONNECT SWITCH. — 6'-0"
- PUSHBUTTON - WALL MOUNTED. — 30" - 36"
- ADA — PUSHBUTTON - WALL MOUNTED. — 33" EXTERIOR 42" INTERIOR
- P — POWER POLE (DEVICES AS INDICATED)
- MOTOR, SEE MOTOR AND EQUIPMENT SCHEDULE
- PT# / FB# — POKE-THROUGH (PT) OR FLOOR BOX (FB). FULLY RECESSED IN FLOOR. REFER TO POKE-THROUGH AND FLOOR BOX SCHEDULE. — FLR
- J — WALL MOUNTED FURNITURE FEED. — 18"
- CORD REEL / CORD AND PLUG SET - CEILING MOUNTED. SEE PLANS FOR MORE INFORMATION.
- G — UPSTREAM DEAD FRONT GFI REMOTE TEST STATION — 46"

## NURSE CALL DEVICES

- x N — NURSE CALL SYSTEM DEVICE. 4" SQUARE BOX WITH 3/4"C. BUSHED EMT TO ACCESSIBLE CEILING, UNO. x INDICATES THE FOLLOWING:
  - A = STAFF ASSIST REQUEST
  - B = CODE BLUE
  - D = DUTY STATION, 3-GANG BOX
  - E = EMERGENCY (PULLCORD)
  - E1 = EMERGENCY (PUSHBUTTON)
  - L = DOME LIGHT, ABOVE DOOR HEADER
  - M = MASTER STATION, 1-GANG BELOW COUNTER TOP
  - M1 = MASTER STATION WALL-MOUNTED, 3-GANG BOX
  - P = PATIENT, 3-GANG BOX
  - P1 = PATIENT W/ EXTRA JACK FOR PILLOW SPEAKER, 3-GANG BOX
  - R = RELAY, 4-GANG BOX
  - S = STAFF RESPONDER, 3-GANG BOX
  - T = TV, MOUNT SAME HEIGHT AS ADJACENT RECEPTACLE — 46"
- N — DOME LIGHT, CEILING MOUNTED.
- xx W — WANDERING PATIENT DEVICE; MOUNT PER DWGS. xxx INDICATES THE FOLLOWING: KP = KEYPAD, RX = RECEIVER — 42"
- xx W — WANDER ALERT SENSOR; MOUNT ABOVE CEILING. xx INDICATES THE FOLLOWING: ML=MAG LOCK; DC= DOOR CONTACT.

## AUDIO / VIDEO DEVICES

- M HA M — MICROPHONE OUTLET ( WALL, CEILING, OR HANGING). HA = HANGING, 1 GANG J-BOX AT CEILING DECK OR AS NOTED. (1/2"C. BUSHED EMT TO ACCESSIBLE CEILING). — 18"
- A — AUXILIARY INPUT CONNECTOR. (1/2"C. BUSHED EMT TO ACCESSIBLE CEILING). — 18"
- # TV TV — COMMUNICATIONS OUTLET FOR TV (WALL OR CEILING). (BUSHED EMT TO ACCESSIBLE CEILING SPACE OR AS INDICATED). # = SEE DETAIL SHEETS. — 60"
- C C — TV/VIDEO CAMERA, CLOSED CIRCUIT (WALL OR CEILING MOUNTED, (1)"C. BUSHED EMT TO ACCESSIBLE CEILING). MOUNT PER DRAWINGS. CAMERA BY OTHERS. — 18"
- AVR# AV — A/V WALL OR DESK MOUNTED EQUIPMENT RACK OR CABINET. REFER TO A/V DETAILS. AVR-# DENOTES RACK NUMBER.
- AVR-# AV — A/V FLOOR MOUNTED EQUIPMENT CABINET. REFER TO A/V DETAILS. AVR-# DENOTES RACK NUMBER.
- AV J / AV J — CEILING OR WALL MOUNTED A/V JUNCTION BOX. REFER TO KEYNOTE FOR DIMENSIONS AND ADDITIONAL INFORMATION.
- CP AV — A/V CONTROL PANEL (TOUCHSCREEN OR BUTTON PANEL), WALL MOUNTED. REFER TO KEYNOTE. — 56" / VERIFY
- WP AV — A/V WALL INPUT WALLPLATE/TRANSMITTER. REFER TO A/V DETAILS. — 18"
- AV — A/V INPUT IN FURNITURE. REFER TO A/V DETAILS.
- TP-# AV — A/V TECH I/O PANEL (NUMBER); REFER TO A/V PANEL DETAILS FOR DIMENSIONS AND ADDITIONAL INFORMATION.
- ANT AV — ANTENNA J-BOX/WALLPLATE, 1-GANG, FOR WIRELESS MICS OR A.L.S. REFER TO A/V WALLPLATE DETAILS.
- CAM AV — PRODUCTION P/T/Z CAMERA AND J-BOX/WALLPLATE. REFER TO A/V WALLPLATE DETAILS.
- HS I — PRODUCTION INTERCOM HEADSET STATION.
- IC I — PRODUCTION INTERCOM OUTLET WALLPLATE. REFER TO A/V WALLPLATE DETAILS.
- P / P — CEILING OR WALL-MOUNT PROJECTOR. REFER TO A/V DETAILS.
- SC — PROJECTION SCREEN - LOW VOLTAGE CONNECTION
- AV S Z# / AV S Z# — CEILING OR WALL-MOUNT A/V SPEAKER. FLUSH-MOUNT. Z: ZONE #.
- AVP S Z# — CEILING MOUNTED A/V SPEAKER. PENDANT MOUNT. Z: ZONE #.
- S — SUSPENDED SPEAKER ENCLOSURE OR ARRAY, AND RIGGING. REFER TO A/V DETAILS.
- EC — RECESSED CABLE ENCLOSURE IN FURNITURE.

# ELECTRICAL ABBREVIATIONS LIST

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| < | ANGLE | C | CONDUIT | J-BOX | JUNCTION BOX | N.C. | NORMALLY CLOSED | QUAN | QUANTITY | UE | UNDERGROUND ELECTRICAL |
| @ | AT | CATV | CABLE TELEVISION | | | NEC | NATIONAL ELECTRICAL CODE | | | UG | UNDERGROUND |
| ' | FEET | CB | CIRCUIT BREAKER | KV | KILOVOLT | NEMA | NATIONAL ELECTRICAL | RCPT | RECEPTACLE | UH | UNIT HEATER |
| " | INCHES | CCTV | CLOSED CIRCUIT TELEVISION | KVA | KILOVOLT-AMPERE | | MANUFACTURER'S ASSOCIATION | REQD | REQUIRED | UNO | UNLESS NOTED OTHERWISE |
| # | NUMBER | CKT | CIRCUIT | KVAR | KILOVOLT-AMPERE REACTIVE | NFS | NON-FUSED SAFETY SWITCH | RL | RELOCATED | UT | UNDERGROUND TELEPHONE |
| 1P | 1 POLE (2P, 3P, 4P, ETC.) | CLG | CEILING | KW | KILOWATT | NIC | NOT IN CONTRACT | RSC | RIGID STEEL CONDUIT | UV | UNIT VENTILATOR OR ULTRAVIOLET |
| | | CMPR | COMPRESSOR | KWH | KILOWATT HOUR | NL | NEW LOCATION | RTU | ROOF TOP UNIT | | |
| A | AMPERE | CONN | CONNECTION | | | N.O. | NORMALLY OPEN | | | V | VOLT |
| AC | AIR CONDITIONER | CONT | CONTINUATION OR CONTINUOUS | LOC | LOCATE OR LOCATION | NPF | NORMAL POWER FACTOR | SC | SURFACE CONDUIT | VA | VOLT-AMPERES |
| ACLG | ABOVE CEILING | CONTR | CONTRACTOR | LT | LIGHT | NTS | NOT TO SCALE | SEC | SECONDARY | VERT | VERTICAL |
| ADA | AUTOMATIC DOOR ACTUATOR | CONV | CONVECTOR | LTG | LIGHTING | | | SHT | SHEET | VFD | VARIABLE FREQUENCY DRIVE |
| ADO | AUTOMATIC DOOR OPERATOR | CP | CIRCULATING PUMP | LTNG | LIGHTNING | OFE | OWNER FURNISHED EQUIPMENT | SIM | SIMILAR | VOL | VOLUME |
| AFF | ABOVE FINISHED FLOOR | CT | CURRENT TRANSFORMER | LV | LOW VOLTAGE | OH | OVERHEAD | S/N | SOLID NEUTRAL | | |
| AFG | ABOVE FINISHED GRADE | CTR | CENTER | | | OL | OVERLOADS | SPKR | SPEAKER | W | WATT |
| AFI | ARC FAULT CIRCUIT INTERRUPTER | CU | COPPER | MAG.S | MAGNETIC STARTER | | | SP | SPARE | W/ | WITH |
| AHU | AIR HANDLING UNIT | | | M/C | MOMENTARY CONTACT | PA | PUBLIC ADDRESS | SR | SURFACE RACEWAY | WG | WIRE GUARD |
| AL | ALUMINUM | DCP | DOMESTIC WATER CIRCULATING PUMP | MCB | MAIN CIRCUIT BREAKER | PB | PULL BOX | SS | STAINLESS STEEL | WH | WATER HEATER |
| ALT | ALTERNATE | | | MCC | MOTOR CONTROL CENTER | PE | PNEUMATIC ELECTRIC | SSW | SELECTOR SWITCH | W/O | WITHOUT |
| AMP | AMPLIFIER | EX | EXISTING TO REMAIN | MDC | MAIN DISTRIBUTION CENTER | PED | PEDESTAL | S/S | STOP/START PUSHBUTTONS | WP | WEATHERPROOF |
| ANNUN | ANNUNCIATOR | | | MDP | MAIN DISTRIBUTION PANEL | PF | POWER FACTOR | STA | STATION | | |
| AQ-STAT | AQUASTAT | FOL | FIBER OPTIC LINE | MFR | MANUFACTURER | PH | PHASE | STD | STANDARD | XFMR | TRANSFORMER |
| ATS | AUTOMATIC TRANSFER SWITCH | FS | FUSIBLE SWITCH | MFS | MAIN FUSED DISCONNECT SWITCH | PNL | PANEL | SURF | SURFACE MOUNTED | XFR | TRANSFER |
| AV | AUDIO VISUAL | FRN | FURNITURE | MLO | MAIN LUGS ONLY | PP | POWER POLE | SW | SWITCH | | |
| AWG | AMERICAN WIRE GAUGE | | | MMS | MANUAL MOTOR STARTER | PR | PAIR | SWBD | SWITCHBOARD | | |
| | | HTR | HEATER | MOA | MULTIOUTLET ASSEMBLY | PRI | PRIMARY | SYM | SYMMETRICAL | | |
| BAT | BATTERY | HV | HIGH VOLTAGE | MSP | MOTOR STARTER PANELBOARD | PROJ | PROJECTION | TERM | TERMINAL | | |
| BD | BOARD | HWP | HYDRONIC WATER PUMP | MSBD | MAIN SWITCHBOARD | PRV | POWER ROOF VENTILATOR | TL | TWIST LOCK | | |
| BLDG | BUILDING | | | MT | MOUNT | PT | POTENTIAL TRANSFORMER | TR | TAMPER RESISTANT | | |
| BAS | BUILDING AUTOMATION SYSTEM | IC | INTERRUPTING CAPACITY | MT.C | EMPTY CONDUIT | PVC | POLYVINYL CHLORIDE (CONDUIT) | T-STAT | THERMOSTAT | | |
| | | IG | ISOLATED GROUND | MTS | MANUAL TRANSFER SWITCH | PWR | POWER | TTC | TELEPHONE TERMINAL CABINET | | |
| | | IMC | INTERMEDIATE METAL CONDUIT | MTR | MOTOR, MOTORIZED | | | TVTC | TELEVISION TERMINAL CABINET | | |
| | | INCAND | INCANDESCENT | | | | | TYP | TYPICAL | | |
| | | IR | INFRARED | | | | | | | | |
| | | I/W | INTERLOCK WITH | | | | | | | | |

DEVICE ABBREVIATIONS:

| | |
|---|---|
| COF | COFFEE |
| DISH | DISHWASHER |
| DISP | UNDER SINK DISPOSER |
| DRY | CLOTHES DRYER |
| EWC | ELECTRIC WATER COOLER |
| FLSH | SANITARY AUTOMATIC FLUSH |
| FRZ | FREEZER |
| GOGG | GOGGLES CABINET |
| HAND | HAND DRYER |
| HOOD | EXHAUST HOOD |
| MWV | MICROWAVE |
| OVN | ELECTRIC OVEN |
| PRNT | PRINTER |
| REF | REFRIGERATOR |
| VEND | VENDING MACHINE |
| WASH | CLOTHES WASHER |

Version 25.1.10

# GENERAL ELECTRICAL NOTES

A. INSTALL CONCEALED CONDUIT WITH FLUSH J.B.'S IN WALLS AND CEILINGS UNLESS NOTED OTHERWISE. IN FINISHED AREAS WITH INACCESSIBLE WALLS OR CEILINGS, PROVIDE SURFACE (WIREMOLD) RACEWAY; PAINT TO MATCH COLOR OF ADJACENT WALL OR CEILING.

B. RACEWAYS SHALL CONTAIN A GROUNDING CONDUCTOR.

C. CIRCUITS SUPPLYING LINE TO NEUTRAL LOADS SHALL HAVE DEDICATED NEUTRALS, i.e. ONE NEUTRAL PER PHASE. NEUTRAL CONDUCTORS SHALL HAVE TRACER STRIPE ALONG ENTIRE LENGTH INDICATING ASSOCIATED PHASE.

D. BUILDING CONDUCTORS SHALL BE THWN/THHN. CONDUCTORS IN UNDERGROUND CONDUIT OUTSIDE OF BUILDINGS SHALL BE XHHW.

E. NUMBERS AT RECEPTACLES AND LIGHT FIXTURES CORRESPOND DIRECTLY WITH PANELBOARD CIRCUIT NUMBERS AS SCHEDULED. BRANCH CIRCUIT WIRING AND HOMERUNS ARE NOT SHOWN FOR CLARITY. ACCURATE RECORD DRAWING INFORMATION IS TO BE PROVIDED AT THE PROJECT COMPLETION. TYPICAL THROUGHOUT. REFER TO SPECIFICATIONS FOR MATERIALS AND INSTALLATION REQUIREMENTS.

F. REFER TO CONTRACT DOCUMENTS FOR SEQUENCE OF CONSTRUCTION AND PHASING OF THE CONTRACT.

G. SWITCHES SHALL BE MOUNTED PER ADA REQUIREMENTS, 46" AFF. UNLESS OTHERWISE NOTED, RECEPTACLES AND TELECOMMUNICATION OUTLETS IN FINISHED AREAS SHALL BE MOUNTED 18" AFF. RECEPTACLES IN UN-FINISHED SPACES SHALL BE MOUNTED AT 46" OR 4" ABOVE WORK SURFACE. COORDINATE RECEPTACLE MOUNTING HEIGHTS WITH MILLWORK LOCATIONS, ARCHITECTURAL ELEVATIONS, AND MASONRY COURSING.

H. CRITICAL DEVICES / EQUIPMENT, INCLUDING TELEPHONE, COMPUTER, SECURITY, AND FIRE ALARM, AFFECT ASSOCIATED SYSTEMS BUILDING-WIDE. THESE SYSTEMS MUST REMAIN OPERATIONAL DURING THE CONSTRUCTION. INDIVIDUAL DEVICES MAY BE DISCONNECTED AND/OR RECONNECTED DURING CONSTRUCTION. COORDINATE POWER OUTAGES WITH OWNER. PROVIDE TEMPORARY PANEL(S) AND/OR CIRCUIT(S) AS/IF NECESSARY TO MAINTAIN CONTINUITY. PROTECT FROM PHYSICAL AND DUST DAMAGE.

I. THE BUILDING SHALL MAINTAIN POWER THROUGHOUT THE CONSTRUCTION PROCESS. COORDINATE ENERGIZATION OF NEW EQUIPMENT AND THE CORRESPONDING RECONNECTION OF EXISTING AFFECTED ELECTRICAL DISTRIBUTION EQUIPMENT.

J. SEE RELATED PLUMBING AND HVAC DRAWINGS FOR LOCATION OF EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS. COORDINATE INTERCONNECTION REQUIREMENTS WITH EQUIPMENT SHOP DRAWINGS.

K. WIRING FOR MISCELLANEOUS HVAC DEVICES AND CONTROLLERS SUCH AS DAMPER MOTORS, THERMOSTATS, DUCT SMOKE DETECTORS, FREEZESTATS, DIFFERENTIAL PRESSURE SWITCHES, OCCUPIED AND UNOCCUPIED SELECTOR SWITCHES, ALARM LIGHTS, ETC., NOT SHOWN ON ELECTRICAL DRAWINGS IS DIVISION 23 WORK.

L. FIELD VERIFY EXISTING CONDITIONS. DISCREPANCIES BETWEEN THE DRAWING AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BIDS.

M. MAINTAIN EXISTING CIRCUIT CONTINUITY ON ALL SYSTEMS ON THE SITE THAT ARE EXISTING TO REMAIN.

N. PROVIDE ALL CONDUIT HOMERUNS AS 3/4"C. MIN.

O. COORDINATE ALL WORK WITH OTHER CONTRACTORS AND OWNER.

P. ALL CUTTING AND PATCHING FOR DIV. 26 WORK SHALL BE UNDER SUPERVISION AND APPROVAL OF ARCHITECT.

Q. REMOVE AND/OR REINSTALL ELECTRICAL DEVICES IN ALL AREAS OF WORK AS REQUIRED AND REPLACE ANY ELECTRICAL DEVICES DAMAGED BY WORK. NOT ALL DEVICES MAY BE SHOWN ON DRAWINGS.

R. PROVIDE ALL BOXES, FITTINGS, CONDUIT, WIRING, TERMINATIONS, EQUIPMENT, ETC, FOR A COMPLETE INSTALLATION.

S. BRANCH 20A CIRCUIT CONDUCTORS SHOULD BE SIZED AS FOLLOWS:

| 120V CCT LENGTH | 277V CCT LENGTH | AWG |
|---|---|---|
| < 75' | < 130' | 12 |
| 75' - 120' | 130' - 215' | 10 |
| 120' - 200' | 215' - 330' | 8 |

# ELECTRICAL DRAWINGS

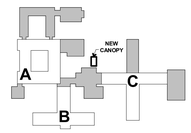

E0.00 ELECTRICAL SYMBOLS AND ABBREVIATIONS
E0.002 ELECTRICAL SITE PLAN
E0.003 OVERALL PLAN
E0.011 ELECTRICAL DEMOLITION PLAN - ADMIN BLDG
E0.011a ELECTRICAL DEMOLITION PLAN - AREA 'A'
E0.011b ELECTRICAL DEMOLITION PLAN - AREA 'B'
E0.011c ELECTRICAL DEMOLITION PLAN - AREA 'C'
E1.001a LIGHTING PLAN - AREA 'A'
E1.001b LIGHTING PLAN - AREA 'B'
E1.001c LIGHTING PLAN - AREA 'C'
E2.001 POWER & PA PLAN - ADMIN BLDG
E2.001a POWER & PA PLAN - AREA 'A'
E2.001b POWER & PA PLAN - AREA 'B'
E2.001c POWER & PA PLAN - AREA 'C'
E3.001 SYSTEMS PLAN - ADMIN BLDG
E3.001a SYSTEMS PLAN - AREA 'A'
E3.001b SYSTEMS PLAN - AREA 'B'
E3.001c SYSTEMS PLAN - AREA 'C'
E3.002 SYSTEMS PLAN - PA SPEAKER & ZONING LAYOUT
E4.01 ENLARGED PLANS - ELECTRICAL
E5.00 EXISTING ONELINE DIAGRAMS
E5.01 REMODELLED ONELINE DIAGRAMS
E6.01 LUMINAIRE SCHEDULE
E6.02 MOTOR SCHEDULE
E6.10 PANEL SCHEDULES
E6.11 PANEL SCHEDULES
E6.12 PANEL SCHEDULES
E6.13 PANEL SCHEDULES
E7.01 ELECTRICAL DETAILS
E7.02 ELECTRICAL DETAILS
E7.03 ELECTRICAL DETAILS
E7.04 ELECTRICAL DETAILS - SYSTEMS
E7.05 ELECTRICAL DETAILS - SYSTEMS
E7.06 ELECTRICAL DETAILS - SYSTEMS
E7.07 ELECTRICAL DETAILS - SYSTEMS


**Nelson Care Center Renovation**

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Alexandria, MN 56308


**Vivie**
2209 Jefferson St. Suite 201
Alexandria, MN 56308

**WOLD ARCHITECTS AND ENGINEERS**
50 South 6th Street, Suite 2250
Minneapolis, Minnesota 55402
woldae.com | 612 772 9025


KEY PLAN

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

SITHA CHHUM
License Number: 54883 Date 08/29/2025

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| Addendum #2 | 2025-09-11 | 1 |

Comm: 246040
Date: 08/29/2025
Drawn: T. Nguyen
Check: D. Kruth

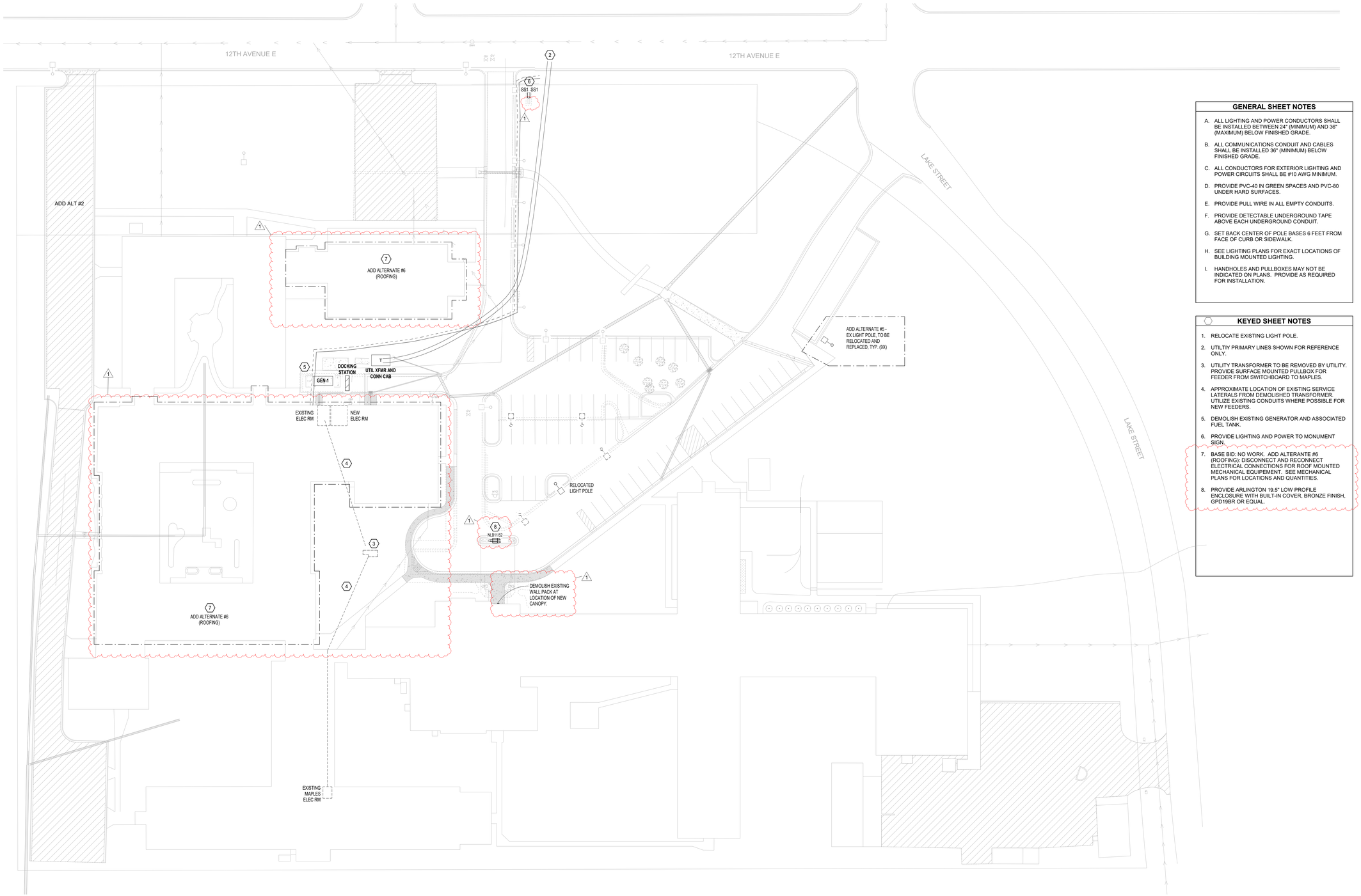
**ELECTRICAL SYMBOLS AND ABBREVIATIONS**

Scale: As Indicated

**E0.00**


Autodesk Docs://246040 

MN




1 SITE PLAN - ELECTRICAL
1" = 30'-0"

## GENERAL SHEET NOTES

A. ALL LIGHTING AND POWER CONDUCTORS SHALL BE INSTALLED BETWEEN 24" (MINIMUM) AND 36" (MAXIMUM) BELOW FINISHED GRADE.

B. ALL COMMUNICATIONS CONDUIT AND CABLES SHALL BE INSTALLED 36" (MINIMUM) BELOW FINISHED GRADE.

C. ALL CONDUCTORS FOR EXTERIOR LIGHTING AND POWER CIRCUITS SHALL BE #10 AWG MINIMUM.

D. PROVIDE PVC-40 IN GREEN SPACES AND PVC-80 UNDER HARD SURFACES.

E. PROVIDE PULL WIRE IN ALL EMPTY CONDUITS.

F. PROVIDE DETECTABLE UNDERGROUND TAPE ABOVE EACH UNDERGROUND CONDUIT.

G. SET BACK CENTER OF POLE BASES 6 FEET FROM FACE OF CURB OR SIDEWALK.

H. SEE LIGHTING PLANS FOR EXACT LOCATIONS OF BUILDING MOUNTED LIGHTING.

I. HANDHOLES AND PULLBOXES MAY NOT BE INDICATED ON PLANS. PROVIDE AS REQUIRED FOR INSTALLATION.

## KEYED SHEET NOTES

1. RELOCATE EXISTING LIGHT POLE.
2. UTILTIY PRIMARY LINES SHOWN FOR REFERENCE ONLY.
3. UTILITY TRANSFORMER TO BE REMOVED BY UTILITY. PROVIDE SURFACE MOUNTED PULLBOX FOR FEEDER FROM SWITCHBOARD TO MAPLES.
4. APPROXIMATE LOCATION OF EXISTING SERVICE LATERALS FROM DEMOLISHED TRANSFORMER. UTILIZE EXISTING CONDUITS WHERE POSSIBLE FOR NEW FEEDERS.
5. DEMOLISH EXISTING GENERATOR AND ASSOCIATED FUEL TANK.
6. PROVIDE LIGHTING AND POWER TO MONUMENT SIGN.
7. BASE BID: NO WORK. ADD ALTERANTE #6 (ROOFING): DISCONNECT AND RECONNECT ELECTRICAL CONNECTIONS FOR ROOF MOUNTED MECHANICAL EQUIPEMENT. SEE MECHANICAL PLANS FOR LOCATIONS AND QUANTITIES.
8. PROVIDE ARLINGTON 19.5" LOW PROFILE ENCLOSURE WITH BUILT-IN COVER, BRONZE FINISH, GPD19BR OR EQUAL.

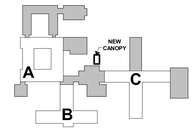
E

# Nelson Care Center Renovation

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Check: S. Chhum

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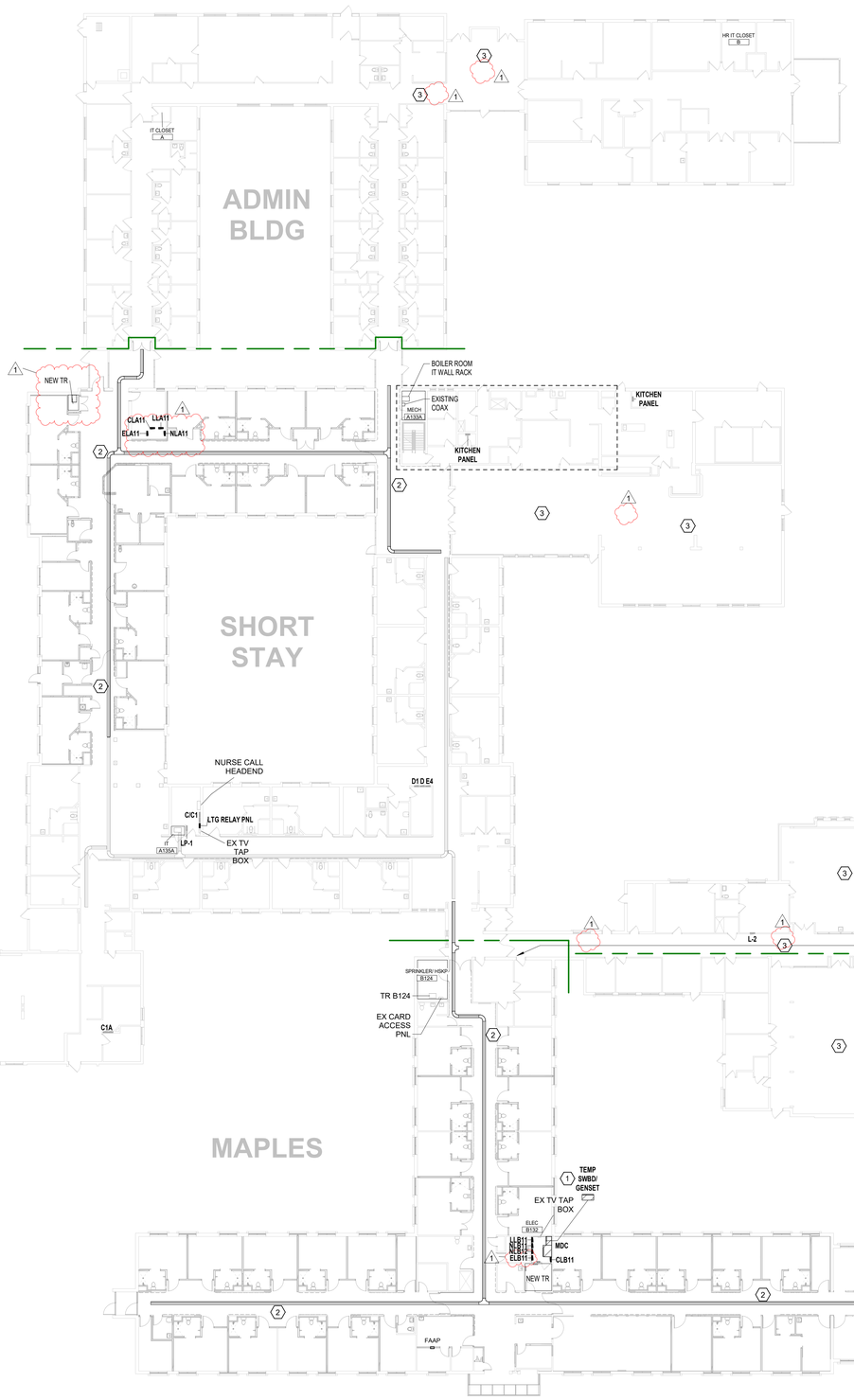
# ELECTRICAL SITE PLAN

Scale: As Indicated

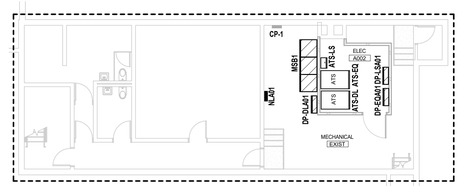
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**MN**




1 OVERALL PLAN
1" = 20'-0"




2 LOWER LEVEL PARTIAL PLAN
3/32" = 1'-0"

## GENERAL SHEET NOTES

A. THIS SHEET IS INTENDED FOR REFERENCE AND ORIENTATION ONLY, UNLESS OTHERWISE NOTED.

B. REFER TO OTHER SHEETS FOR MORE DETAILED INFORMATION.

C. REMOVE AND REINSTALL CEILING TILES AS REQUIRED TO ACCOMMODATE ABOVE CEILING WORK IN AREAS WHERE CEILINGS ARE NOT REPLACED. PROVIDE NEW TILES TO REPLACE ANY DAMAGED DURING WORK.

## KEYED SHEET NOTES

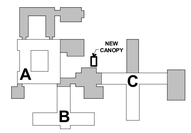
1. PROVIDE TEMP GENERATOR AND TEMP SWITCHBOARD FOR REPLACEMENT OF SWITCHBOARD AND PANELS IN MAPLES ELECTRICAL ROOM. ROUTE FEEDER THROUGH WINDOW AND INTO ELECTRICAL ROOM. PROVIDE TEMP CABLING AS REQUIRED. SCHEDULE ALL OUTAGES IN ADVANCE WITH OWNER.
2. DIV 26 TO PROVIDE COMMUNICATION CABLE TRAY MATCHING AND CONNECTING TO EXISTING TRAY. 12" WIDE X 4" TALL.
3. HARD DECK CEILING. PROVIDE ACCESS PANELS AS NEEDED TO ACCOMMODATE PAGING SPEAKERS AND BACKBONE CABLING PATHWAYS. NOT ALL HARD CEILING AREAS ARE IDENTIFIED.

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Check: S. Chhum
North

## OVERALL PLAN

Scale: As Indicated

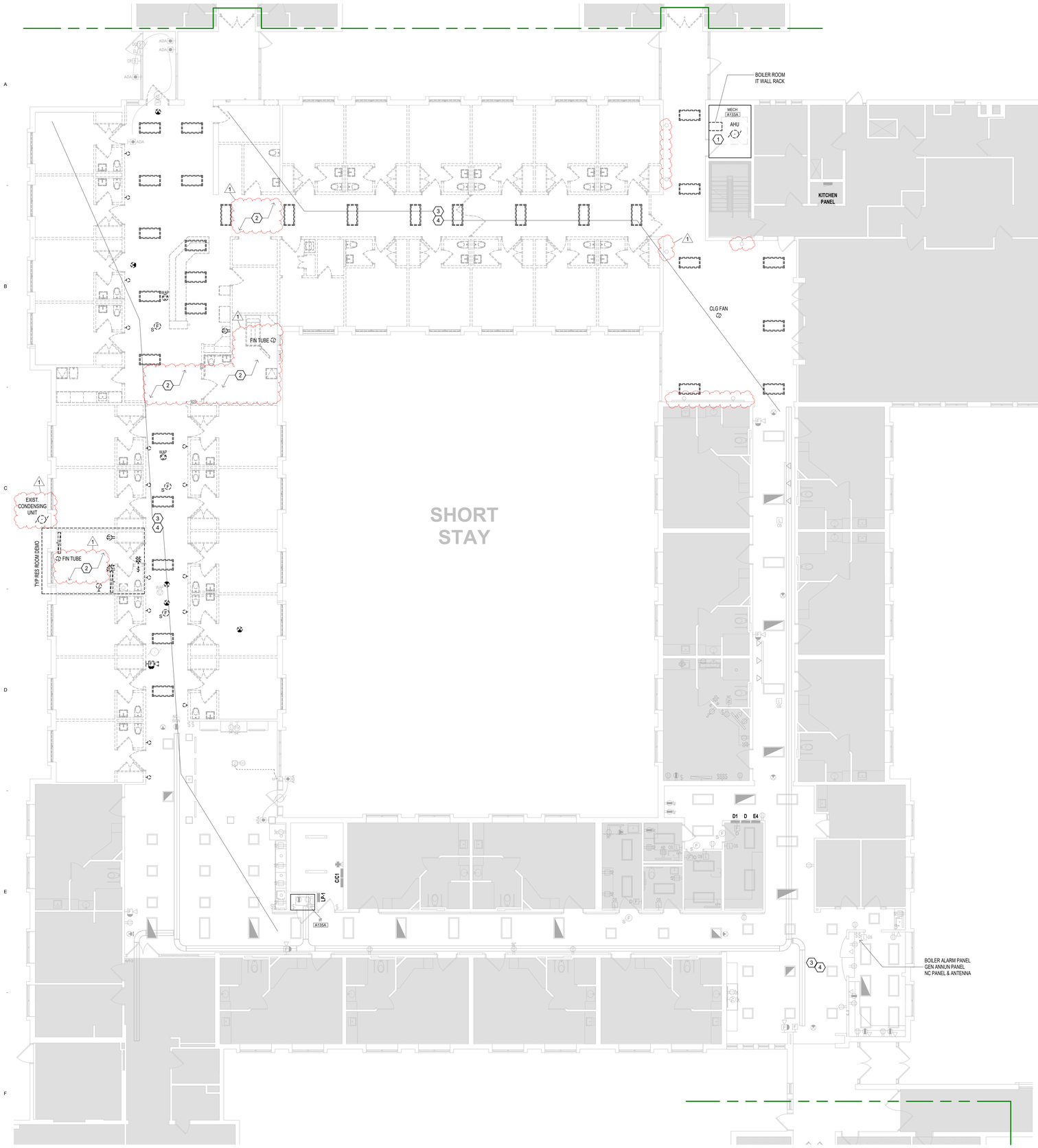
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BY WOLD ARCHITECTS AND ENGINEERS

MN

E




1 ELECTRICAL DEMOLITION PLAN - AREA A
1/8" = 1'-0"

## GENERAL SHEET NOTES

A. SOME NOTES MAY NOT APPLY TO THIS SHEET.

B. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND CONSTRUCTION. COORDINATE WITH GENERAL CONSTRUCTION.

C. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES AND LIGHTING FIXTURES IN DEMOLITION AREAS UNLESS NOTED OTHERWISE.

D. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES IN WALLS TO BE DEMOLISHED. WALLS TO BE DEMOLISHED ARE SHOWN DASHED. DISCONNECT AND REMOVE ASSOCIATED CONDUIT AND WIRE BACK TO LAST REMAINING DEVICE. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF CIRCUIT(S) TO ANY EXISTING DEVICES TO REMAIN. COORDINATE AND VERIFY REQUIREMENTS WITH NEW WORK IN AREA.

E. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF ANY FEEDERS OR BRANCH CIRCUITS ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY ELECTRICAL EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.

F. FURNISH AND INSTALL CONDUIT AND/OR COMMUNICATIONS/DATA WIRING AS NECESSARY FOR CONTINUITY OF ANY WIRING ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY COMMUNICATIONS/DATA EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.

G. DISCONNECT AND REMOVE LIGHT SWITCHES IN DEMOLITION AREAS AS NECESSARY TO ACCOMMODATE NEW DOOR CONFIGURATIONS.

H. DISCONNECT AND REMOVE ANY EXISTING ELECTRICAL DEVICES AND BACK BOXES AS NECESSARY WHERE NEW WALL CONSTRUCTION WILL INTERSECT AN EXISTING WALL. FURNISH AND INSTALL CONDUIT AND WIRE AS REQUIRED FOR CONTINUITY OF CIRCUIT(S).

I. FURNISH AND INSTALL BLANK COVER PLATES OVER ALL EXISTING UNUSED OPENINGS.

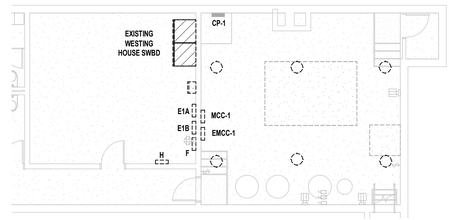
J. DEMOLISH DUCT SMOKE DETECTORS AND DAMPERS AS REQUIRED BY MECH.

K. DEMO ALL EXISTING PAGING CABLING, SPEAKERS, AND HEAD END EQUIPMENT THROUGHOUT THE FACILITY FOR FULL PAGING REPLACEMENT.

GRAY AREAS TO SHOW ADDED SCOPE FOR NURSE CALL AND PAGING SPEAKER REAPLACEMENT.

## KEYED SHEET NOTES

1. DEMO EXISTING DATA RACK AND ASSOCIATED DATA CABLING BACK TO SOURCE. WHERE CABLING EXISTS IN NON-CONTRACT AREAS, RE-PULL NEW CABLING TO TR A124. DEMO EXISTING FIBER BACK TO SOURCE. THIS WILL BE DONE PER PHASE. EXISTING ACTIVE CABLE TO REMAIN LIVE UNTIL CUTOVER.
2. DEMOLISH ALL EXISTING LIGHTING, LIGHTING CONTROLS, WALL AND CEILING MOUNTED DEVICES, AND CONNECTIONS TO ELECTRIC FIN TUBE RADIATORS. DEMOLISHED ITEMS SHOWN FOR REFERENCE ONLY. ACTUAL QUANTITIES MY VARY.
3. DEMO EXISTING DATA/VOICE CABLING AND ASSOCIATED FACEPLATE BACK TO SOURCE IN CONSTRUCTIONS AREA. MAINTAIN CONNECTIVITY ON ALL EXISTING ACTIVE CABLING RUNNING THROUGH CONSTRUCTION SPACE.
4. DEMO EXISTING COAX CABLING BACK TO SOURCE. EXISTING COAX MAY BE RE-USED IF IT MEETS SPECIFICATION AND IS IN GOOD CONDITION. PROVIDE NEW COMPRESSION STYLE CONNECTORS, INSERTS AND FACEPLATE PER SPEC.



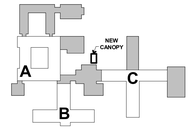

2 LOWER LEVEL DEMOLITION PLAN
1/8" = 1'-0"

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Comm: 246040
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Drawn: H. Nelson
Check: S. Chhum

North

# ELECTRICAL DEMOLITION PLAN - AREA 'A'

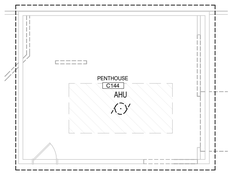
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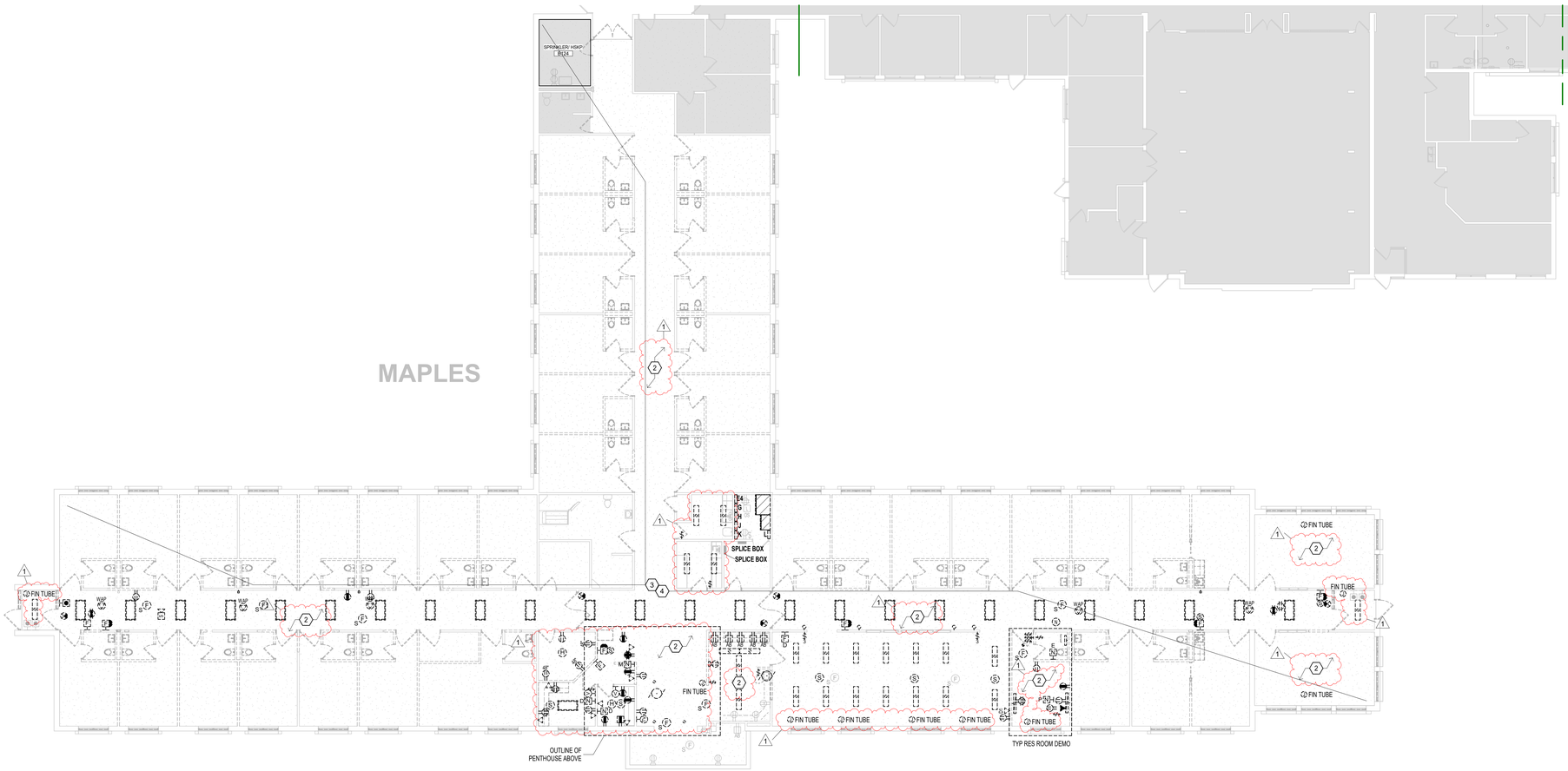
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Central - Wolf and Company, LLP
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MN

E




2 PENTHOUSE DEMOLITION
1/8" = 1'-0"




1 ELECTRICAL DEMOLITION PLAN - AREA B
3/32" = 1'-0"

## GENERAL SHEET NOTES

A. SOME NOTES MAY NOT APPLY TO THIS SHEET.

B. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASES OF DEMOLITION AND CONSTRUCTION. COORDINATE WITH GENERAL CONSTRUCTION.

C. DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES AND LIGHTING FIXTURES IN DEMOLITION AREAS UNLESS NOTED OTHERWISE.

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E. FURNISH AND INSTALL CONDUIT AND WIRE AS NECESSARY FOR CONTINUITY OF ANY FEEDERS OR BRANCH CIRCUITS ORIGINATING OUTSIDE THE DEMOLITION AREA THAT SERVES ANY ELECTRICAL EQUIPMENT OR DEVICES TO REMAIN AFTER DEMOLITION. MODIFY OR REPLACE AS REQUIRED.

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I. FURNISH AND INSTALL BLANK COVER PLATES OVER ALL EXISTING UNUSED OPENINGS.

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GRAY AREAS TO SHOW ADDED SCOPE FOR NURSE CALL AND PAGING SPEAKER REAPLACEMENT.

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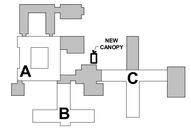
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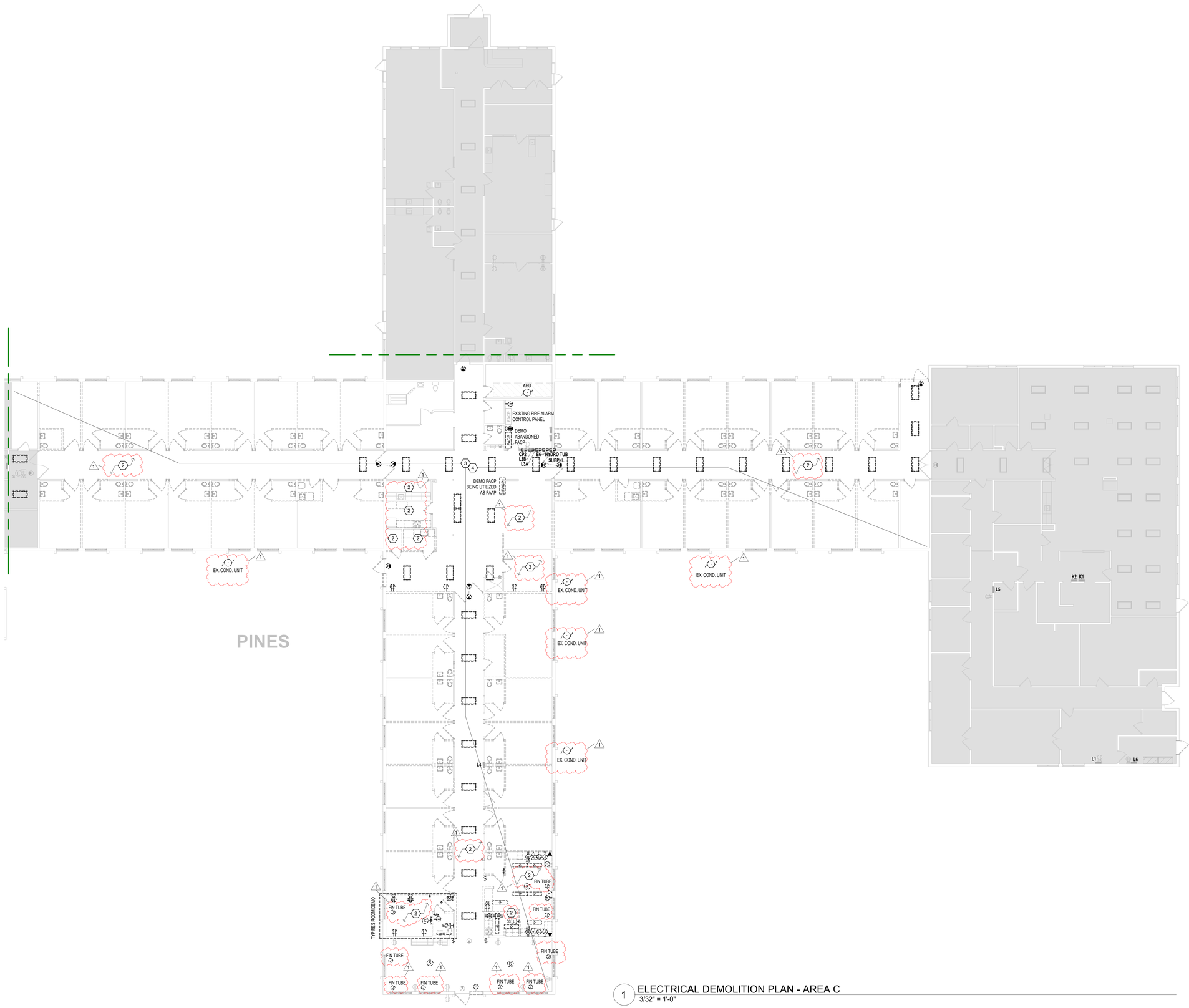
# ELECTRICAL DEMOLITION PLAN - AREA 'B'

Scale: As Indicated

# E0.011b

Architects Direct Utilities Nelson Care Center Renovation/Electrical Nelson Care Center_ELEC.RevitDirect to Central Cloud - Do not modify C:\Users\hnelson\Documents\Revit\MEP\Temporary\2025 Electrical Work in Progress_hnelson.rvt
Date & Time Printed: 8/29/2025 7:31 AM

MN




1 ELECTRICAL DEMOLITION PLAN - AREA C
3/32" = 1'-0"

## GENERAL SHEET NOTES

A. SOME NOTES MAY NOT APPLY TO THIS SHEET.

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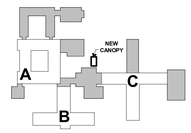
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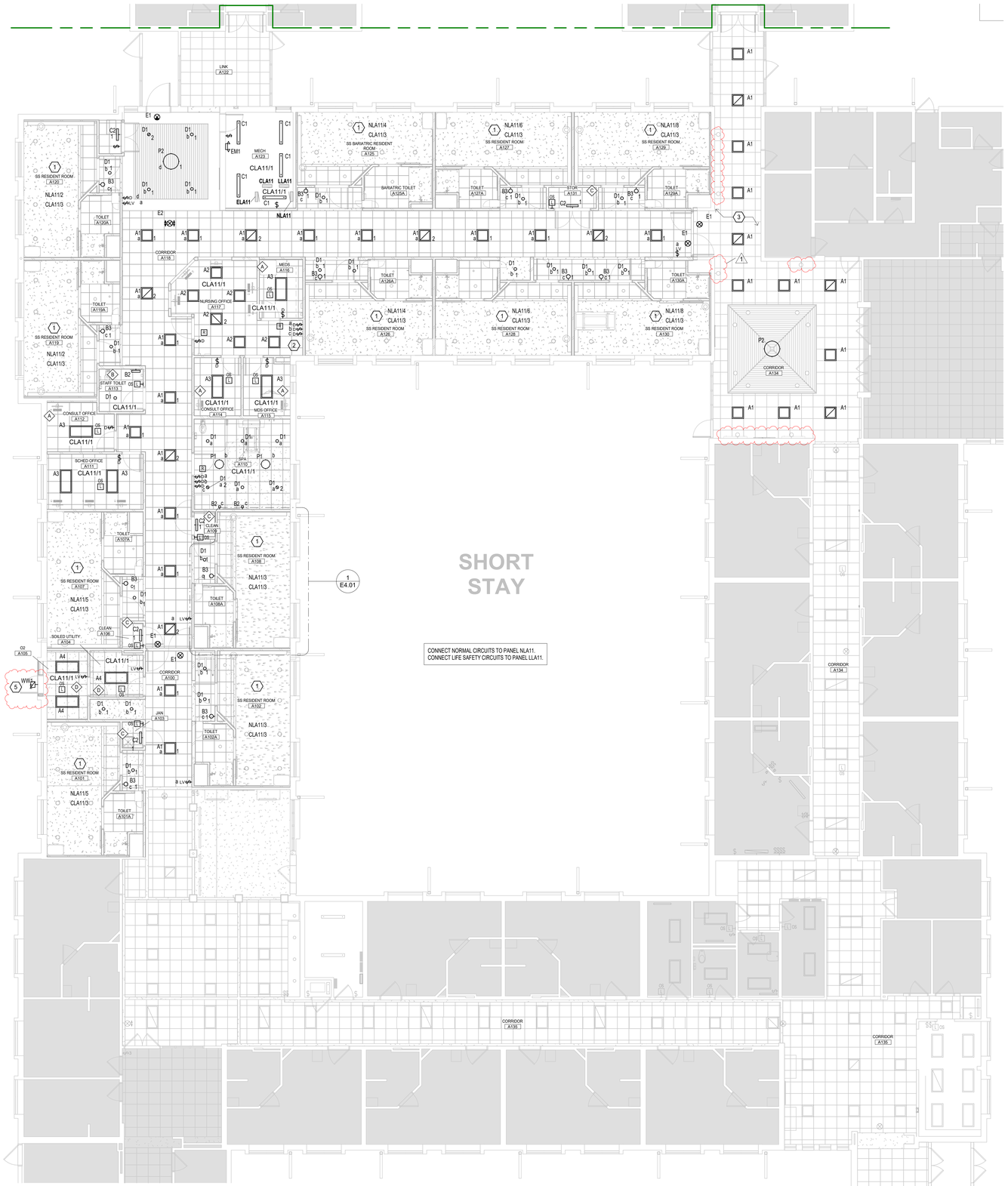
# ELECTRICAL DEMOLITION PLAN - AREA 'C'

Scale: As Indicated

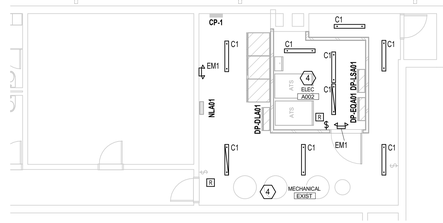
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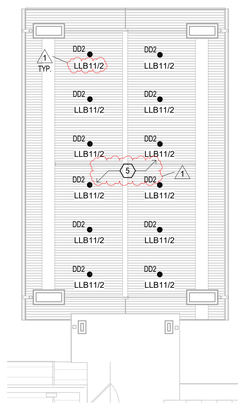
MN




1 LIGHTING PLAN - AREA A
1/8" = 1'-0"




2 LOWER LEVEL LIGHTING PLAN
1/8" = 1'-0"




3 OUTDOOR CANOPY
1/8" = 1'-0"

## GENERAL SHEET NOTES

A. SOME NOTES MAY NOT APPLY TO THIS SHEET.

B. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING ALL ELECTRICAL ITEMS SHOWN ON THIS DRAWING.PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUITING AND SWITCHING SHOWN.

C. CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.

D. ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH 6' LONG FLEXIBLE METAL CONDUIT.

E. ALL BOXES, CONDUIT AND WIRING TO BE CONCEALED. NO EXPOSED BOXES, CONDUIT AND WIRING SHALL BE ALLOWED UNLESS NOTED OTHERWISE.

F. NO MULTI-BRANCH CIRCUIT ALLOWED. PROVIDE A SEPARATE NEUTRAL WITH EACH CIRCUIT.

G. COORDINATE LUMINAIRE LOCATIONS WITH OTHER TRADES INCLUDING HVAC EQUIPMENT, DUCTWORK, SPRINKLER PIPING AND BUILDING STRUCTURAL MEMBERS.

H. PROVIDE SEPARATED CONDUITS FOR ALL EMERGENCY AND EGRESS LIGHTING CIRCUITS, DO NOT COMBINE WITH NORMAL BUILDING WIRING.

I. ALL EXIT SIGNS AND BATTERY EGRESS FIXTURES TO BE CONNECTED TO NEAREST EMERGENCY LIGHTING CIRCUIT AHEAD OF ANY SWITCHING.

J. ALL EXTERIOR LIGHTING TO BE CONNECTED TO LIGHTING CONTROL RELAY SYSTEM UNLESS NOTED OTHERWISE.

K. LIGHT FIXTURE WHIPS OF TYPE AC AND TYPE MC WITH GROUND WIRE SHALL BE ALLOWED ONLY ABOVE ACCESSIBLE GRID-TYPE SUSPENDED CEILING. MAX LENGTH OF 6 FEET. MAXIMUM OF 4 WHIPS PER JUNCTION BOX. DIRECT FIXTURE TO FIXTURE CONNECTIONS ARE NOT ALLOWED.

L. SEE LIGHTING CONTROL SCHEDULE. ALL OCCUPANCY SENSORS SHALL HAVE AUXILIARY CONTACTS OR ADDITIONAL DEVICES TO ENABLE HVAC INTERFACE.

NORMAL OPERATING LIGHT FIXTURE. FEED FIXTURE USING EXISTING LIGHTING CIRCUITRY FROM NORMAL PANEL.

SWITCHED EMERGENCY LIGHT. FEED FIXTURE FROM EMERGENCY PANEL VIA EMERGENCY RELAY AS INDICATED ON PLAN.

UNSWITCHED EMERGENCY LIGHT (NIGHT LIGHT). FEED FIXTURE FROM UNSWITCHED CIRCUIT IN EMERGENCY PANEL.

FEED EXIT LIGHTS FROM UNSWITCHED CIRCUIT IN EMERGENCY PANEL.

A — FIXTURE TYPE
NL — FIXTURE NOTES
ab — RELAY #/ PANEL CIRCUIT #
f-1 — SWITCHING SCHEME

1. MAXIMUM ALLOWABLE WATTAGE FOR A LIGHTING CIRCUIT WILL NOT EXCEED 3500 (277V) OR 1600 (120V) WATTS.

## KEYED SHEET NOTES

1. SEE ENLARGED PLANS FOR TYPICAL LIGHTING LAYOUT.
2. LOCATE DIMMING WALL CONTROLS FOR CORRIDOR LIGHTING IN NURSING OFFICE. PROVIDE COMPATIBLE DIMMERS FOR TYPES 'B3' AND 'D1'. LOCATE LV, ON/OFF SWITCHES IN CORRIDOR FOR TYPE 'A1' LIGHTING.
3. CONNECT NEW LIGHTING TO EXISTING LIGHTING CIRCUITS AND CONTROLS. PROVIDE NEW, COMPATIBLE DIMMERS FOR 'P2' LIGHTING TYPE.
4. CONNECT NEW LIGHTING TO EXISTING LIGHTING CIRCUITS.
5. CONNECT NEW EXTERIOR LIGHTING TO EXISTING LIGHTING RELAY PANEL.

## LIGHTING CONTROLS SCHEDULE

| MARK | INTENDED LOCATIONS OF USE | WALL SWITCH #LEGS | OCC SENSOR LOCATION | MANUAL /AUTO | DIMMING | DAY LIGHT |
|---|---|---|---|---|---|---|
| A | OFFICES, CONF. RMS, MEDS | 1 | CEILING | MANUAL | X | |
| B | SM TOILETS | 1 | WALL | AUTO | | |
| C | SM STORAGE/UTILITY | 1 | WALL | MANUAL | | |
| D | LG STORAGE | 1 | CEILING | MANUAL | | |
| E | LOUNGE, SITTING AREA, FITNESS | SEE PLANS | CEILING | MANUAL | X | |
| F | | | | | | |
| G | | | | | | |
| | PATIENT CARE, NS, RESIDENT ROOMS | LINE | NONE | NA | | |
| | MECH/ELEC ROOMS | LINE | NONE | NA | | |
| | CORRIDORS | LINE | NONE | NA | | |
| | | | | | | |

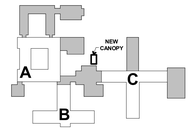
GENERAL NOTES:
A. SCHEMES ARE SCHEMATIC. PROVIDE WIRING AND COMPONENTS AS REQUIRED.
B. PROVIDE MULTIPLE SWITCH LOCATIONS (3-WAY SWITCHING) IF INDICATED ON PLANS.
C. INTERCONNECT ALL SENSORS IF MULTIPLE SENSORS ARE SHOWN WITHIN SAME ROOM, UNLESS INDICATED OTHERWISE.
D. PROVIDE EMERGENCY RELAYS AS INDICATED ON PLANS.
E. ALL OCCUPANCY SENSORS SHALL HAVE AUXILIARY CONTACTS OR ADDITIONAL DEVICES TO ENABLE HVAC INTERFACE.


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woldae.com | 612 772 9025


KEY PLAN

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

SITHA CHHUM
License Number: 54883 Date 08/29/2025

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| Addendum #2 | 2025-09-11 | 1 |

Comm: 246040
Date: 08/29/2025
Drawn: H. Nelson
Check: S. Chhum

North

**LIGHTING PLAN - AREA 'A'**

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

**E1.001a**


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E

# MN

## LIGHTING CONTROLS SCHEDULE

| MARK | INTENDED LOCATIONS OF USE | WALL SWITCH #LEGS | OCC SENSOR LOCATION | MANUAL /AUTO | DIMMING | DAY LIGHT |
|---|---|---|---|---|---|---|
| A | OFFICES, CONF. RMS, MEDS | 1 | CEILING | MANUAL | X | |
| B | SM TOILETS | 1 | WALL | AUTO | | |
| C | SM STORAGE/UTILITY | 1 | WALL | MANUAL | | |
| D | LG STORAGE | 1 | CEILING | MANUAL | | |
| E | LOUNGE, SITTING AREA, FITNESS | SEE PLANS | CEILING | MANUAL | X | |
| F | | | | | | |
| G | | | | | | |
| | PATIENT CARE, NS, RESIDENT ROOMS | LINE | NONE | NA | | |
| | MECH/ELEC ROOMS | LINE | NONE | NA | | |
| | CORRIDORS | LINE | NONE | NA | | |

GENERAL NOTES:
A. SCHEMES ARE SCHEMATIC. PROVIDE WIRING AND COMPONENTS AS REQUIRED.
B. PROVIDE MULTIPLE SWITCH LOCATIONS (3-WAY SWITCHING) IF INDICATED ON PLANS.
C. INTERCONNECT ALL SENSORS IF MULTIPLE SENSORS ARE SHOWN WITHIN SAME ROOM, UNLESS INDICATED OTHERWISE.
D. PROVIDE EMERGENCY RELAYS AS INDICATED ON PLANS.
E. ALL OCCUPANCY SENSORS SHALL HAVE AUXILIARY CONTACTS OR ADDITIONAL DEVICES TO ENABLE HVAC INTERFACE.




1 LIGHTING PLAN - AREA B
1/8" = 1'-0"

## GENERAL SHEET NOTES

A. SOME NOTES MAY NOT APPLY TO THIS SHEET.

B. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING ALL ELECTRICAL ITEMS SHOWN ON THIS DRAWING PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUITING AND SWITCHING SHOWN.

C. CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.

D. ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH 6' LONG FLEXIBLE METAL CONDUIT.

E. ALL BOXES, CONDUIT AND WIRING TO BE CONCEALED. NO EXPOSED BOXES, CONDUIT AND WIRING SHALL BE ALLOWED UNLESS NOTED OTHERWISE.

F. NO MULTI-BRANCH CIRCUIT ALLOWED. PROVIDE A SEPARATE NEUTRAL WITH EACH CIRCUIT.

G. COORDINATE LUMINAIRE LOCATIONS WITH OTHER TRADES INCLUDING HVAC EQUIPMENT, DUCTWORK, SPRINKLER PIPING AND BUILDING STRUCTURAL MEMBERS.

H. PROVIDE SEPARATED CONDUITS FOR ALL EMERGENCY AND EGRESS LIGHTING CIRCUITS, DO NOT COMBINE WITH NORMAL BUILDING WIRING.

I. ALL EXIT SIGNS AND BATTERY EGRESS FIXTURES TO BE CONNECTED TO NEAREST EMERGENCY LIGHTING CIRCUIT AHEAD OF ANY SWITCHING.

J. ALL EXTERIOR LIGHTING TO BE CONNECTED TO LIGHTING CONTROL RELAY SYSTEM UNLESS NOTED OTHERWISE.

K. LIGHT FIXTURE WHIPS OF TYPE AC AND TYPE MC WITH GROUND WIRE SHALL BE ALLOWED ONLY ABOVE ACCESSIBLE GRID-TYPE SUSPENDED CEILING. MAX LENGTH OF 6 FEET. MAXIMUM OF 4 WHIPS PER JUNCTION BOX. DIRECT FIXTURE TO FIXTURE CONNECTIONS ARE NOT ALLOWED.

L. SEE LIGHTING CONTROL SCHEDULE. ALL OCCUPANCY SENSORS SHALL HAVE AUXILIARY CONTACTS OR ADDITIONAL DEVICES TO ENABLE HVAC INTERFACE.

NORMAL OPERATING LIGHT FIXTURE. FEED FIXTURE USING EXISTING LIGHTING CIRCUITRY FROM NORMAL PANEL.

SWITCHED EMERGENCY LIGHT. FEED FIXTURE FROM EMERGENCY PANEL VIA EMERGENCY RELAY AS INDICATED ON PLAN.

UNSWITCHED EMERGENCY LIGHT (NIGHT LIGHT). FEED FIXTURE FROM UNSWITCHED CIRCUIT IN EMERGENCY PANEL.

FEED EXIT LIGHTS FROM UNSWITCHED CIRCUIT IN EMERGENCY PANEL.

A — FIXTURE TYPE
NL — FIXTURE NOTES
ab — RELAY #/ PANEL CIRCUIT #
SWITCHING SCHEME

1. MAXIMUM ALLOWABLE WATTAGE FOR A LIGHTING CIRCUIT WILL NOT EXCEED 3500 (277V) OR 1600 (120V) WATTS.

## KEYED SHEET NOTES

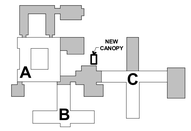
1. SEE ENLARGED PLANS FOR TYPICAL LIGHTING LAYOUT.
2. LOCATE DIMMING WALL CONTROLS FOR CORRIDOR LIGHTING IN NURSING OFFICE. PROVIDE COMPATIBLE DIMMERS FOR TYPES 'B3' AND 'D1'. LOCATE LV. ON/OFF SWITCHES IN CORRIDOR FOR TYPE 'A1' LIGHTING.
3. CONNECT NEW LIGHTING TO EXISTING LIGHTING CIRCUITS AND CONTROLS. PROVIDE NEW, COMPATIBLE DIMMERS FOR 'P2' LIGHTING TYPE.
4. CONNECT NEW LIGHTING TO EXISTING LIGHTING CIRCUITS.
5. CONNECT NEW EXTERIOR LIGHTING TO EXISTING LIGHTING RELAY PANEL.


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Minneapolis, Minnesota 55402
woldae.com | 612 772 9025


KEY PLAN

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

SITHA CHHUM
License Number: 54883 Date 08/29/2025

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| Addendum #2 | 2025-09-11 | 1 |

Comm: 246040
Date: 08/29/2025
Drawn: H. Nelson
Check: S. Chhum
North

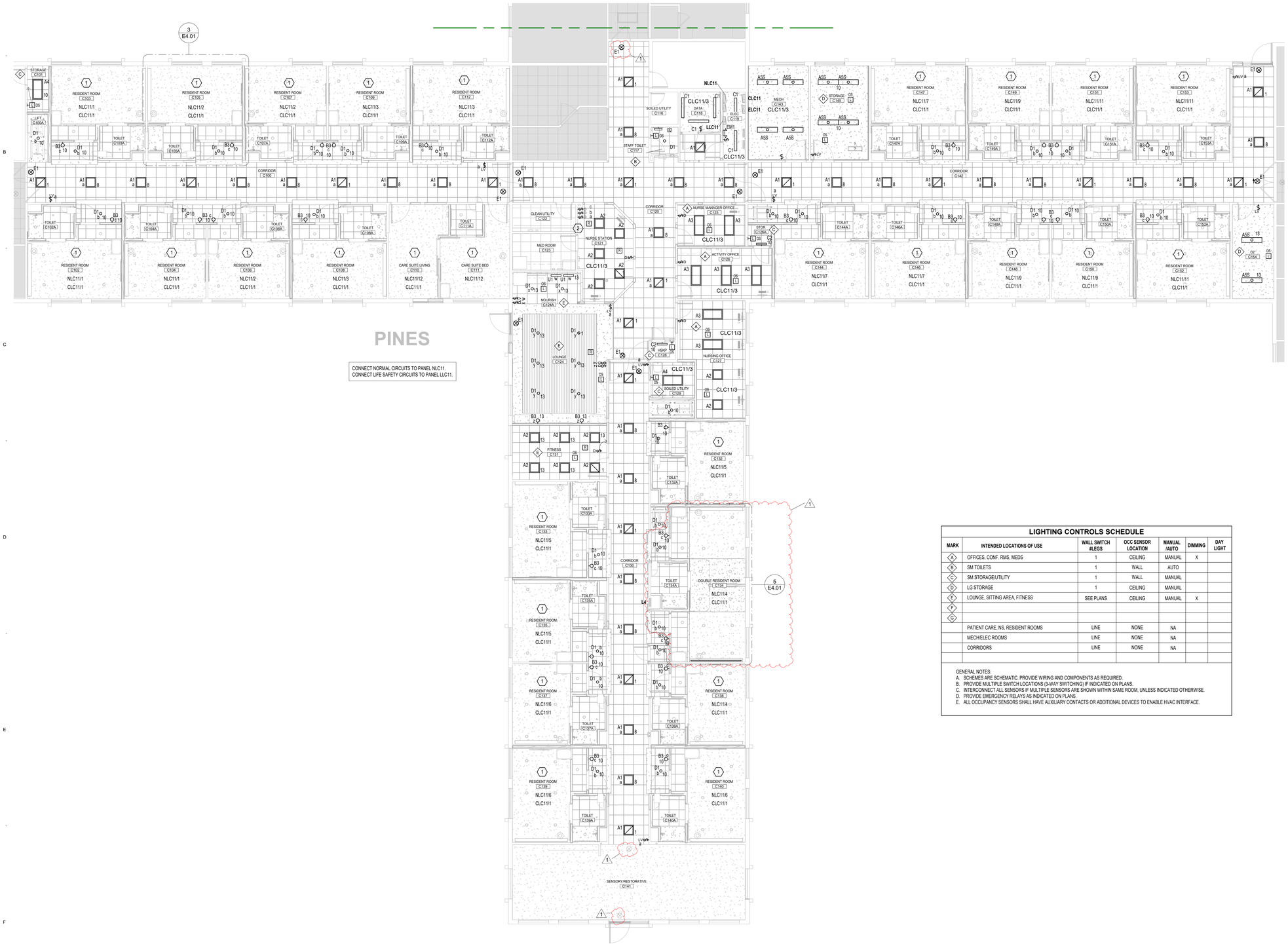
# LIGHTING PLAN - AREA 'B'

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

# E1.001b


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1 LIGHTING PLAN - AREA C
1/8" = 1'-0"

## GENERAL SHEET NOTES

A. SOME NOTES MAY NOT APPLY TO THIS SHEET.

B. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING ALL ELECTRICAL ITEMS SHOWN ON THIS DRAWING.PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUITING AND SWITCHING SHOWN.

C. CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.

D. ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH 6' LONG FLEXIBLE METAL CONDUIT.

E. ALL BOXES, CONDUIT AND WIRING TO BE CONCEALED. NO EXPOSED BOXES, CONDUIT AND WIRING SHALL BE ALLOWED UNLESS NOTED OTHERWISE.

F. NO MULTI-BRANCH CIRCUIT ALLOWED. PROVIDE A SEPARATE NEUTRAL WITH EACH CIRCUIT.

G. COORDINATE LUMINAIRE LOCATIONS WITH OTHER TRADES INCLUDING HVAC EQUIPMENT, DUCTWORK, SPRINKLER PIPING AND BUILDING STRUCTURAL MEMBERS.

H. PROVIDE SEPARATED CONDUITS FOR ALL EMERGENCY AND EGRESS LIGHTING CIRCUITS, DO NOT COMBINE WITH NORMAL BUILDING WIRING.

I. ALL EXIT SIGNS AND BATTERY EGRESS FIXTURES TO BE CONNECTED TO NEAREST EMERGENCY LIGHTING CIRCUIT AHEAD OF ANY SWITCHING.

J. ALL EXTERIOR LIGHTING TO BE CONNECTED TO LIGHTING CONTROL RELAY SYSTEM UNLESS NOTED OTHERWISE.

K. LIGHT FIXTURE WHIPS OF TYPE AC AND TYPE MC WITH GROUND WIRE SHALL BE ALLOWED ONLY ABOVE ACCESSIBLE GRID-TYPE SUSPENDED CEILING. MAX LENGTH OF 6 FEET. MAXIMUM OF 4 WHIPS PER JUNCTION BOX. DIRECT FIXTURE TO FIXTURE CONNECTIONS ARE NOT ALLOWED.

L. SEE LIGHTING CONTROL SCHEDULE. ALL OCCUPANCY SENSORS SHALL HAVE AUXILIARY CONTACTS OR ADDITIONAL DEVICES TO ENABLE HVAC INTERFACE.

NORMAL OPERATING LIGHT FIXTURE. FEED FIXTURE USING EXISTING LIGHTING CIRCUITRY FROM NORMAL PANEL.

SWITCHED EMERGENCY LIGHT. FEED FIXTURE FROM EMERGENCY PANEL VIA EMERGENCY RELAY AS INDICATED ON PLAN.

UNSWITCHED EMERGENCY LIGHT (NIGHT LIGHT). FEED FIXTURE FROM UNSWITCHED CIRCUIT IN EMERGENCY PANEL.

FEED EXIT LIGHTS FROM UNSWITCHED CIRCUIT IN EMERGENCY PANEL.

FIXTURE TYPE
FIXTURE NOTES
RELAY #/ PANEL CIRCUIT #
SWITCHING SCHEME

1. MAXIMUM ALLOWABLE WATTAGE FOR A LIGHTING CIRCUIT WILL NOT EXCEED 3500 (277V) OR 1600 (120V) WATTS.

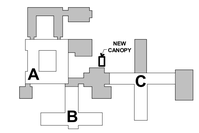
## LIGHTING CONTROLS SCHEDULE

| MARK | INTENDED LOCATIONS OF USE | WALL SWITCH #LEGS | OCC SENSOR LOCATION | MANUAL /AUTO | DIMMING | DAY LIGHT |
|---|---|---|---|---|---|---|
| A | OFFICES, CONF. RMS, MEDS | 1 | CEILING | MANUAL | X | |
| B | SM TOILETS | 1 | WALL | AUTO | | |
| C | SM STORAGE/UTILITY | 1 | WALL | MANUAL | | |
| D | LG STORAGE | 1 | CEILING | MANUAL | | |
| E | LOUNGE, SITTING AREA, FITNESS | SEE PLANS | CEILING | MANUAL | X | |
| F | | | | | | |
| G | | | | | | |
| | PATIENT CARE, NS, RESIDENT ROOMS | LINE | NONE | NA | | |
| | MECH/ELEC ROOMS | LINE | NONE | NA | | |
| | CORRIDORS | LINE | NONE | NA | | |

GENERAL NOTES:
A. SCHEMES ARE SCHEMATIC. PROVIDE WIRING AND COMPONENTS AS REQUIRED.
B. PROVIDE MULTIPLE SWITCH LOCATIONS (3-WAY SWITCHING) IF INDICATED ON PLANS.
C. INTERCONNECT ALL SENSORS IF MULTIPLE SENSORS ARE SHOWN WITHIN SAME ROOM, UNLESS INDICATED OTHERWISE.
D. PROVIDE EMERGENCY RELAYS AS INDICATED ON PLANS.
E. ALL OCCUPANCY SENSORS SHALL HAVE AUXILIARY CONTACTS OR ADDITIONAL DEVICES TO ENABLE HVAC INTERFACE.

## KEYED SHEET NOTES

1. SEE ENLARGED PLANS FOR TYPICAL LIGHTING LAYOUT.
2. LOCATE DIMMING WALL CONTROLS FOR CORRIDOR LIGHTING IN NURSING OFFICE. PROVIDE COMPATIBLE DIMMERS FOR TYPES 'B3' AND 'D1'. LOCATE LV, ON/OFF SWITCHES IN CORRIDOR FOR TYPE 'A1' LIGHTING.
3. CONNECT NEW LIGHTING TO EXISTING LIGHTING CIRCUITS AND CONTROLS. PROVIDE NEW, COMPATIBLE DIMMERS FOR 'P2' LIGHTING TYPE.
4. CONNECT NEW LIGHTING TO EXISTING LIGHTING CIRCUITS.
5. CONNECT NEW EXTERIOR LIGHTING TO EXISTING LIGHTING RELAY PANEL.




KEY PLAN

# Nelson Care Center Renovation

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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**
**SITHA CHHUM**
License Number: **54883** Date **08/29/2025**

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #2** | **2025-09-11** | **1** |

Comm: **246040**
Date: **08/29/2025**
Drawn: **H. Nelson**
Check: **S. Chhum**
North

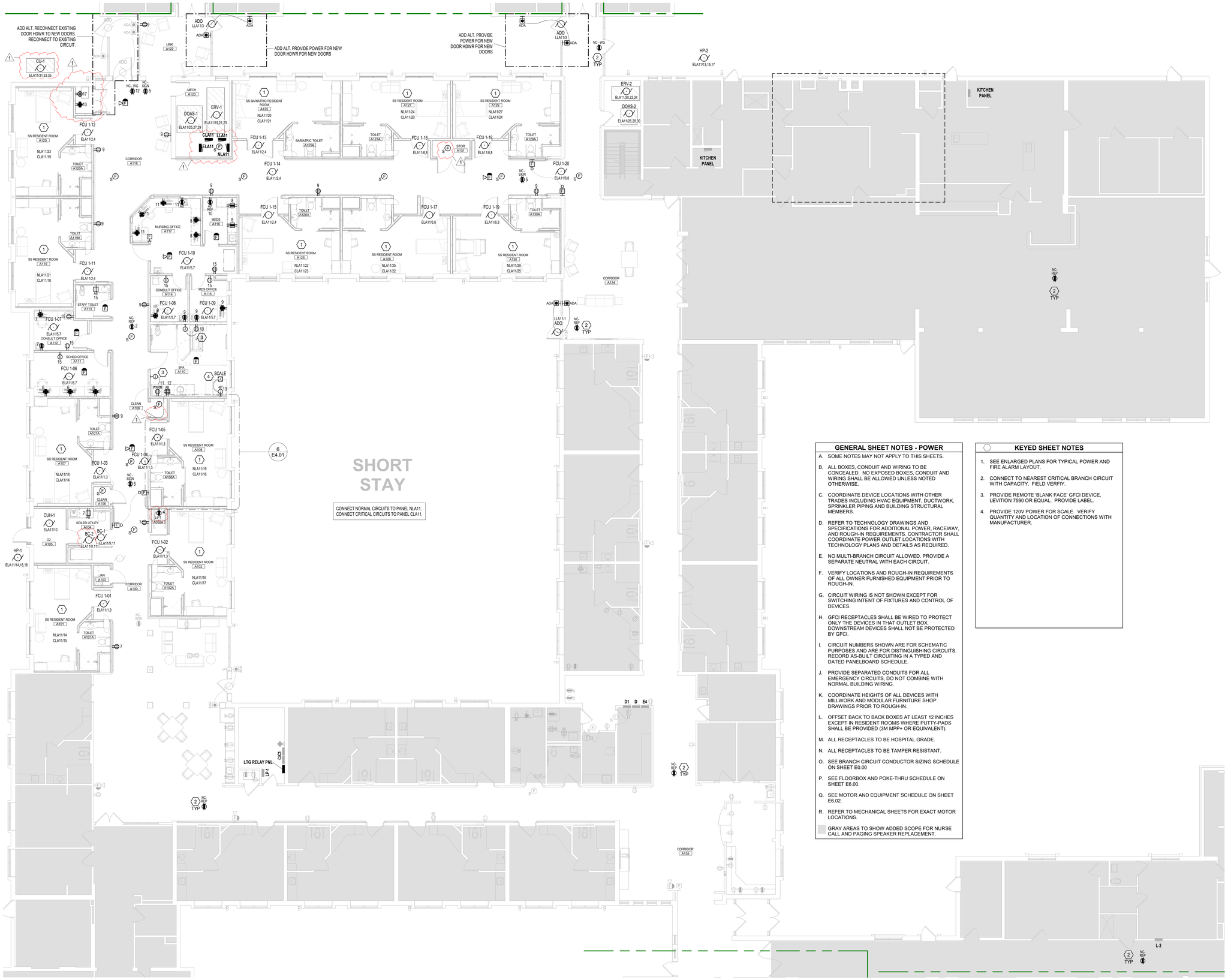
# LIGHTING PLAN - AREA 'C'

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

# E1.001c


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## GENERAL SHEET NOTES - POWER

A. SOME NOTES MAY NOT APPLY TO THIS SHEETS.

B. ALL BOXES, CONDUIT AND WIRING TO BE CONCEALED. NO EXPOSED BOXES, CONDUIT AND WIRING SHALL BE ALLOWED UNLESS NOTED OTHERWISE.

C. COORDINATE DEVICE LOCATIONS WITH OTHER TRADES INCLUDING HVAC EQUIPMENT, DUCTWORK, SPRINKLER PIPING AND BUILDING STRUCTURAL MEMBERS.

D. REFER TO TECHNOLOGY DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL POWER, RACEWAY, AND ROUGH-IN REQUIREMENTS. CONTRACTOR SHALL COORDINATE POWER OUTLET LOCATIONS WITH TECHNOLOGY PLANS AND DETAILS AS REQUIRED.

E. NO MULTI-BRANCH CIRCUIT ALLOWED. PROVIDE A SEPARATE NEUTRAL WITH EACH CIRCUIT.

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

G. CIRCUIT WIRING IS NOT SHOWN EXCEPT FOR SWITCHING INTENT OF FIXTURES AND CONTROL OF DEVICES.

H. GFCI RECEPTACLES SHALL BE WIRED TO PROTECT ONLY THE DEVICES IN THAT OUTLET BOX. DOWNSTREAM DEVICES SHALL NOT BE PROTECTED BY GFCI.

I. CIRCUIT NUMBERS SHOWN ARE FOR SCHEMATIC PURPOSES AND ARE FOR DISTINGUISHING CIRCUITS. RECORD AS-BUILT CIRCUITING IN A TYPED AND DATED PANELBOARD SCHEDULE.

J. PROVIDE SEPARATED CONDUITS FOR ALL EMERGENCY CIRCUITS, DO NOT COMBINE WITH NORMAL BUILDING WIRING.

K. COORDINATE HEIGHTS OF ALL DEVICES WITH MILLWORK AND MODULAR FURNITURE SHOP DRAWINGS PRIOR TO ROUGH-IN.

L. OFFSET BACK TO BACK BOXES AT LEAST 12 INCHES EXCEPT IN RESIDENT ROOMS WHERE PUTTY-PADS SHALL BE PROVIDED (3M MPP+ OR EQUIVALENT).

M. ALL RECEPTACLES TO BE HOSPITAL GRADE.

N. ALL RECEPTACLES TO BE TAMPER RESISTANT.

O. SEE BRANCH CIRCUIT CONDUCTOR SIZING SCHEDULE ON SHEET E0.00

P. SEE FLOORBOX AND POKE-THRU SCHEDULE ON SHEET E6.00.

Q. SEE MOTOR AND EQUIPMENT SCHEDULE ON SHEET E6.02.

R. REFER TO MECHANICAL SHEETS FOR EXACT MOTOR LOCATIONS.

GRAY AREAS TO SHOW ADDED SCOPE FOR NURSE CALL AND PAGING SPEAKER REPLACEMENT.

## KEYED SHEET NOTES

1. SEE ENLARGED PLANS FOR TYPICAL POWER AND FIRE ALARM LAYOUT.
2. CONNECT TO NEAREST CRITICAL BRANCH CIRCUIT WITH CAPACITY. FIELD VERFIY.
3. PROVIDE REMOTE 'BLANK FACE' GFCI DEVICE, LEVITION 7590 OR EQUAL. PROVIDE LABEL.
4. PROVIDE 120V POWER FOR SCALE. VERIFY QUANTITY AND LOCATION OF CONNECTIONS WITH MANUFACTURER.

E

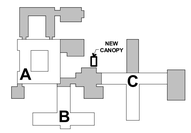
1 POWER & FA PLAN - AREA A
1/8" = 1'-0"


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KEY PLAN

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SITHA CHHUM
License Number: 54883 Date 08/29/2025

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| Addendum #2 | 2025-09-11 | 1 |

Comm: 246040
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Drawn: H. Nelson
Check: S. Chhum

North

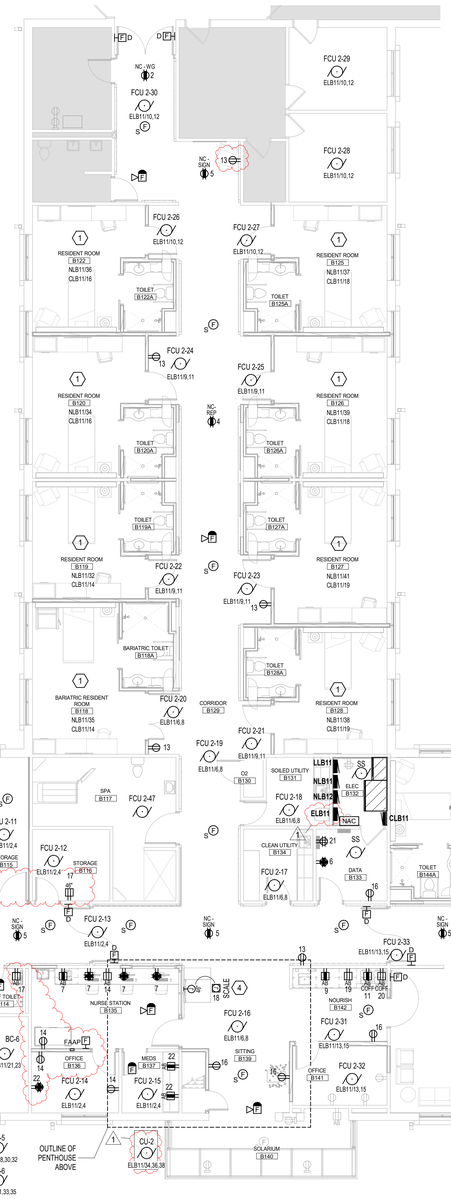
# POWER & FA PLAN - AREA 'A'

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

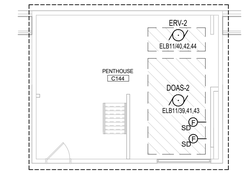
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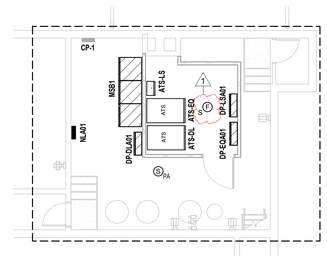
# MN




## 1 POWER & FA PLAN - AREA B
1/8" = 1'-0"




## 2 PENTHOUSE POWER & FA
1/8" = 1'-0"




## 3 LOWER LEVEL PARTIAL PLAN - POWER
1/8" = 1'-0"

### GENERAL SHEET NOTES - POWER

A. SOME NOTES MAY NOT APPLY TO THIS SHEETS.

B. ALL BOXES, CONDUIT AND WIRING TO BE CONCEALED. NO EXPOSED BOXES, CONDUIT AND WIRING SHALL BE ALLOWED UNLESS NOTED OTHERWISE.

C. COORDINATE DEVICE LOCATIONS WITH OTHER TRADES INCLUDING HVAC EQUIPMENT, DUCTWORK, SPRINKLER PIPING AND BUILDING STRUCTURAL MEMBERS.

D. REFER TO TECHNOLOGY DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL POWER, RACEWAY, AND ROUGH-IN REQUIREMENTS. CONTRACTOR SHALL COORDINATE POWER OUTLET LOCATIONS WITH TECHNOLOGY PLANS AND DETAILS AS REQUIRED.

E. NO MULTI-BRANCH CIRCUIT ALLOWED. PROVIDE A SEPARATE NEUTRAL WITH EACH CIRCUIT.

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

G. CIRCUIT WIRING IS NOT SHOWN EXCEPT FOR SWITCHING INTENT OF FIXTURES AND CONTROL OF DEVICES.

H. GFCI RECEPTACLES SHALL BE WIRED TO PROTECT ONLY THE DEVICES IN THAT OUTLET BOX. DOWNSTREAM DEVICES SHALL NOT BE PROTECTED BY GFCI.

I. CIRCUIT NUMBERS SHOWN ARE FOR SCHEMATIC PURPOSES AND ARE FOR DISTINGUISHING CIRCUITS. RECORD AS-BUILT CIRCUITING IN A TYPED AND DATED PANELBOARD SCHEDULE.

J. PROVIDE SEPARATED CONDUITS FOR ALL EMERGENCY CIRCUITS, DO NOT COMBINE WITH NORMAL BUILDING WIRING.

K. COORDINATE HEIGHTS OF ALL DEVICES WITH MILLWORK AND MODULAR FURNITURE SHOP DRAWINGS PRIOR TO ROUGH-IN.

L. OFFSET BACK TO BACK BOXES AT LEAST 12 INCHES EXCEPT IN RESIDENT ROOMS WHERE PUTTY-PADS SHALL BE PROVIDED (3M MPP+ OR EQUIVALENT).

M. ALL RECEPTACLES TO BE HOSPITAL GRADE.

N. ALL RECEPTACLES TO BE TAMPER RESISTANT.

O. SEE BRANCH CIRCUIT CONDUCTOR SIZING SCHEDULE ON SHEET E0.00

P. SEE FLOORBOX AND POKE-THRU SCHEDULE ON SHEET E6.00.

Q. SEE MOTOR AND EQUIPMENT SCHEDULE ON SHEET E6.02.

R. REFER TO MECHANICAL SHEETS FOR EXACT MOTOR LOCATIONS.

GRAY AREAS TO SHOW ADDED SCOPE FOR NURSE CALL AND PAGING SPEAKER REPLACEMENT.

### KEYED SHEET NOTES

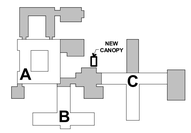
1. SEE ENLARGED PLANS FOR TYPICAL POWER AND FIRE ALARM LAYOUT.
2. CONNECT TO NEAREST CRITICAL BRANCH CIRCUIT WITH CAPACITY. FIELD VERFIY.
3. PROVIDE REMOTE 'BLANK FACE' GFCI DEVICE, LEVITION 7590 OR EQUAL. PROVIDE LABEL.
4. PROVIDE 120V POWER FOR SCALE. VERIFY QUANTITY AND LOCATION OF CONNECTIONS WITH MANUFACTURER.

# Nelson Care Center Renovation

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Alexandria, MN 56308


**Vivie**
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Alexandria, MN 56308

**WOLD ARCHITECTS AND ENGINEERS**
50 South 6th Street, Suite 2250
Minneapolis, Minnesota 55402
woldae.com | 612 772 9025


KEY PLAN

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

SITHA CHHUM
License Number: 54883 Date: 08/29/2025

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| Addendum #2 | 2025-09-11 | 1 |

Comm: 246040
Date: 08/29/2025
Drawn: H. Nelson
Check: S. Chhum

North

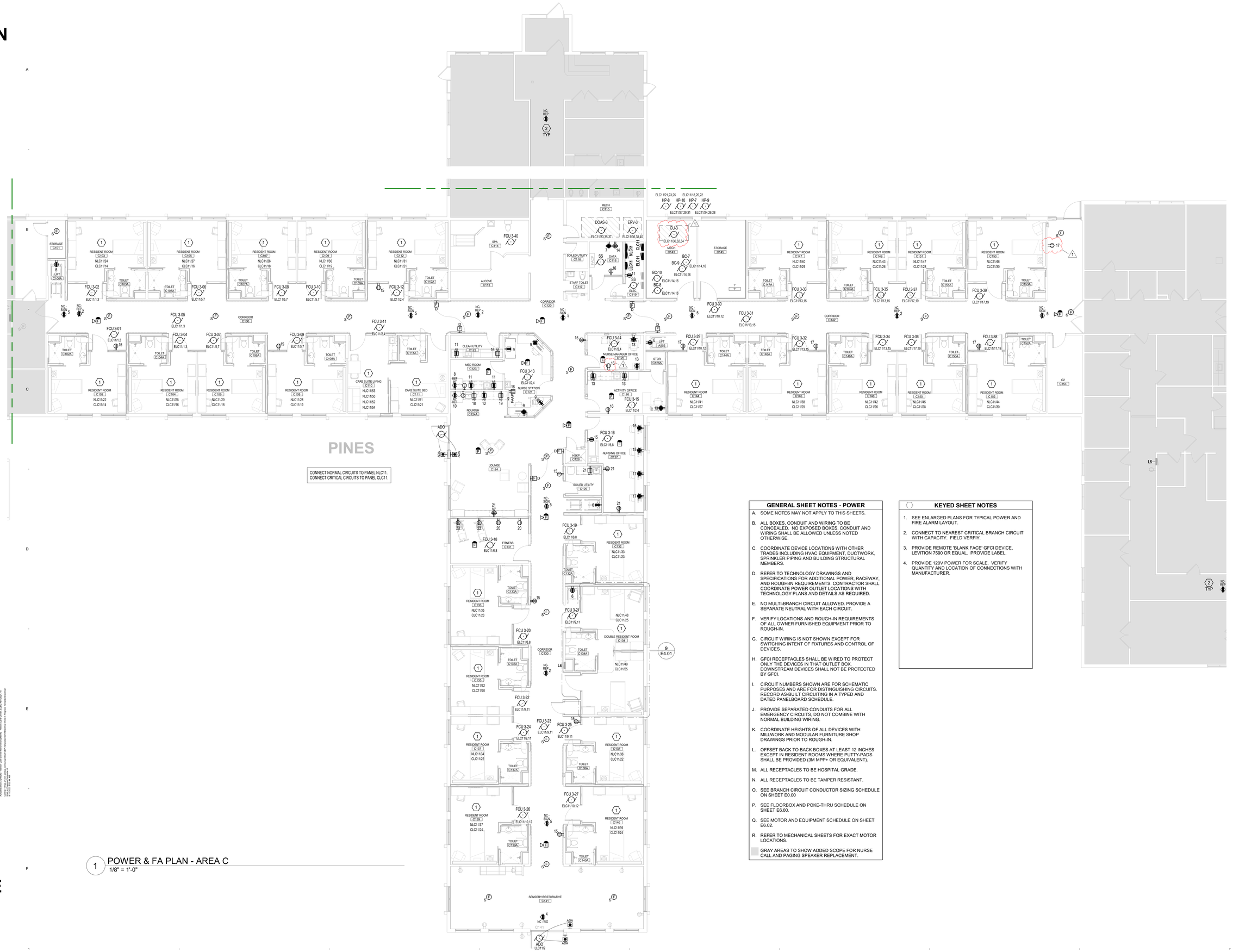
# POWER & FA PLAN - AREA 'B'

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

# E2.001b


Architect Firm Certificate - Nelson Care Center Renovation2025 - Nelson Care Center (E2.001 Bundle).rvt
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8/11/2025 8:59:42 AM

**MN**




1 POWER & FA PLAN - AREA C
1/8" = 1'-0"

**E**

## GENERAL SHEET NOTES - POWER

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## KEYED SHEET NOTES

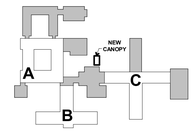
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**SITHA CHHUM**
License Number: **54883** Date: **08/29/2025**

| Revisions | | |
|---|---|---|
| Description | Date | Num. |
| **Addendum #2** | **2025-09-11** | **1** |

Comm: **246040**
Date: **08/29/2025**
Drawn: **H. Nelson**
Check: **S. Chhum**
North

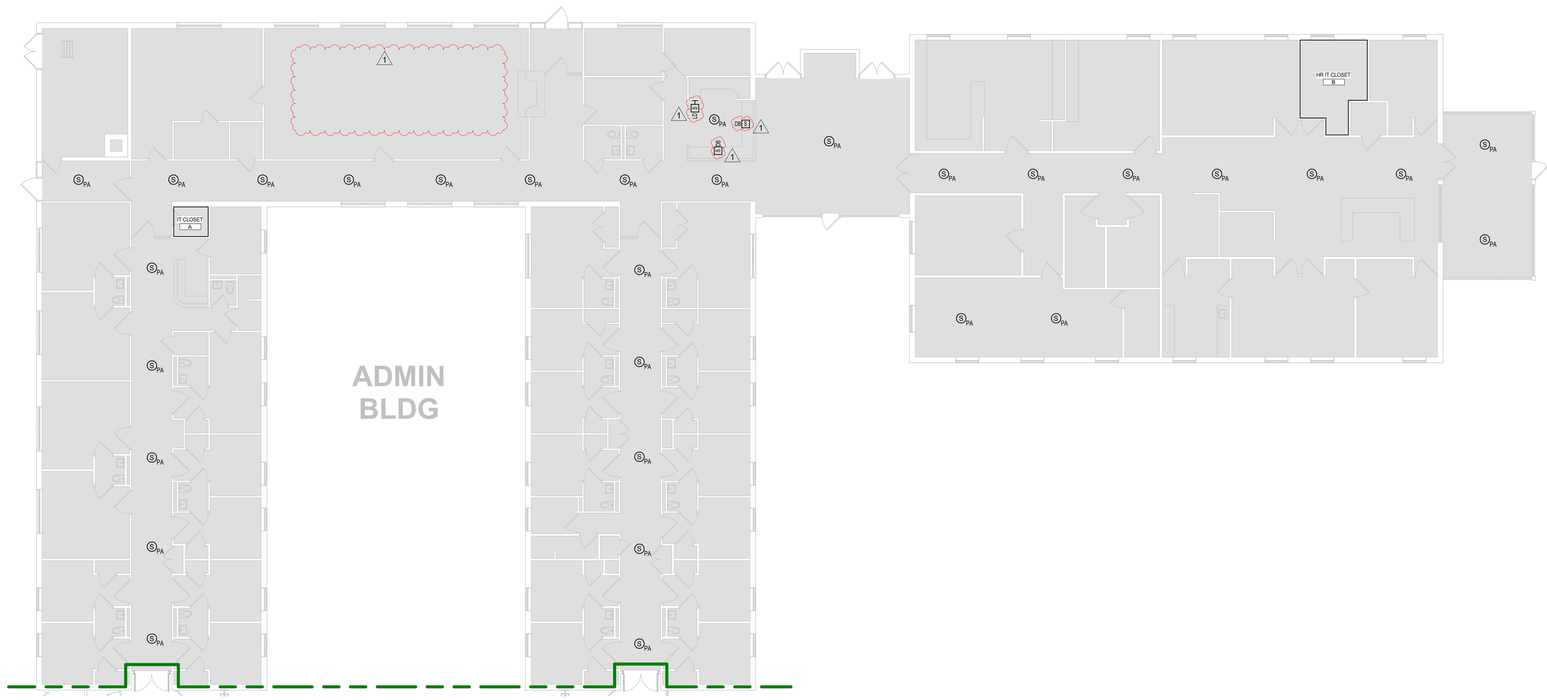
# POWER & FA PLAN - AREA 'C'

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

# E2.001c


Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_R22.rvt
Central: Project Isolation
Current: Project Isolation
Current: Project Isolation

MN




1 SYSTEMS PLAN - ADMIN BLDG
3/32" = 1'-0"

## GENERAL SHEET NOTES - EXTENDED

A. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING ALL ELECTRICAL ITEMS SHOWN ON THE DRAWINGS, EXCEPT ITEMS LISTED ON SHEET E0.01 GENERAL ELECTRICAL NOTES.

B. SEE FIRE ALARM ZONE SCHEDULE FOR INITIATING ZONES AND SIGNAL CIRCUITS.

C. COORDINATE WITH OTHER TRADES AND REFER TO DIV 27 & 28 SPECIFICATIONS FOR FULL REQUIREMENTS.

D. MAINTAIN SEPARATION BETWEEN SECURITY/PAGING CABLING AND DATA CABLING.

E. INSTALL DATA/SYSTEMS CONDUIT WITH NO MORE THAN (2) 90° BENDS BETWEEN PULL BOXES, AND NO MORE THAN 100'-0" BETWEEN PULL BOXES. PULL BOXES SHALL BE INSTALLED FOR STRAIGHT THRU PULLS ONLY.

F. ALL COMMUNICATIONS CABLES SHALL BE INSTALLED IN CONDUIT, CABLE TRAY, OR SUPPORTED BY CABLE HOOKS. PROVIDE BUSHINGS AT THE ENDS OF ALL CONDUIT WHERE STUBBED ABOVE ACCESSIBLE CEILINGS OR WHERE DROPPED INTO CABLE TRAY. PROVIDE CABLE HOOKS ABOVE ACCESSIBLE CEILINGS FOR CABLE INSTALLATION WHERE NOT INSTALLED IN CONDUIT OR CABLE TRAY.

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I. PROVIDE ROUGH-IN FOR CARD READERS. (COORDINATE WITH OWNERS SECURITY CONTRACTOR.) REFER TO DETAILS IN E7 SERIES FOR ADDITIONAL INFORMATION.

J. PROVIDE ROUGH-IN AND DATA CABLING FOR SECURITY CAMERA. LOCATIONS ARE APPROXIMATE AND SHALL BE FIELD COORDINATED WITH OWNER FOR FINAL LOCATION. REFER TO DETAILS IN E7 SERIES FOR MORE INFORMATION. CAMERAS, MOUNTS, MOUNTING AND PROGRAMMING BY OWNER.

K. REFER TO SHEET E7.01 FOR ADDITIONAL INFORMATION REGARDING SLEEVES.

L. PROVIDE ROUGH-IN AND DATA CABLING FOR VIDEO INTERCOM AND MASTER STATIONS AS IDENTIFIED ON DRAWINGS. DEVICES AND PROGRAMMING BY OWNERS SECURITY CONTRACTOR.

M. DIV 26 TO PROVIDE EXTERIOR PENTRATIONS/BOXES/CONDUIT FOR CAMERAS AND SPEAKERS. COORDINATE WITH DIV 27 AND OWNER'S SECURITY VENDOR.

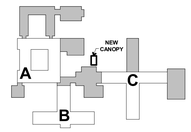

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SITHA CHHUM
License Number: 54883 Date 08/29/2025

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| Addendum #2 | 2025-09-11 | 1 |

Comm: 246040
Date: 08/29/2025
Drawn: T. Nguyen
Check: D. Kruth

North

# SYSTEMS PLAN - ADMIN BLDG

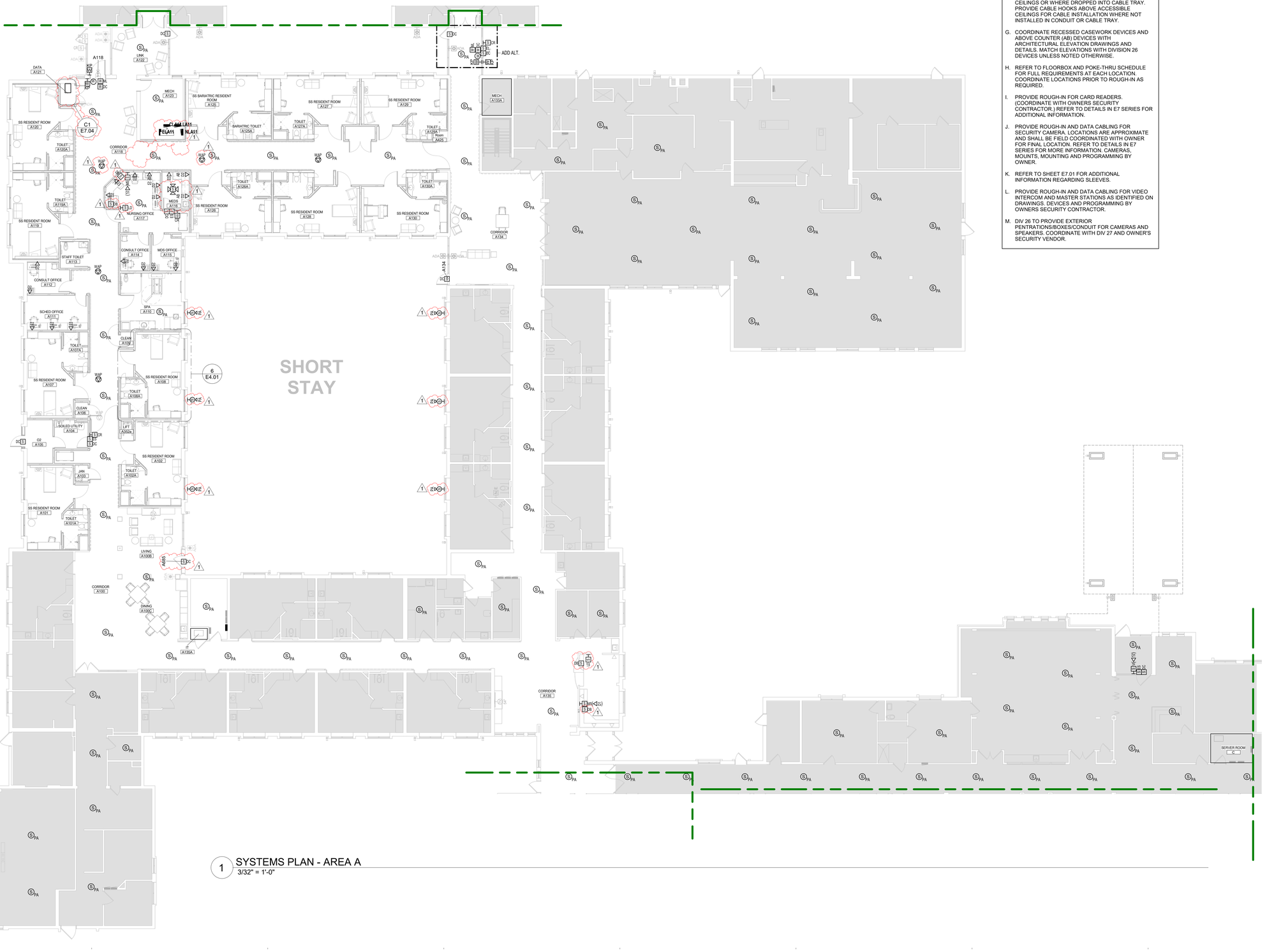
Scale: As indicated

# E3.001

E

MN

E




1 SYSTEMS PLAN - AREA A
3/32" = 1'-0"

## GENERAL SHEET NOTES - EXTENDED

A. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING ALL ELECTRICAL ITEMS SHOWN ON THE DRAWINGS, EXCEPT ITEMS LISTED ON SHEET E0.01 GENERAL ELECTRICAL NOTES.

B. SEE FIRE ALARM ZONE SCHEDULE FOR INITIATING ZONES AND SIGNAL CIRCUITS.

C. COORDINATE WITH OTHER TRADES AND REFER TO DIV 27 & 28 SPECIFICATIONS FOR FULL REQUIREMENTS.

D. MAINTAIN SEPARATION BETWEEN SECURITY/PAGING CABLING AND DATA CABLING.

E. INSTALL DATA/SYSTEMS CONDUIT WITH NO MORE THAN (2) 90° BENDS BETWEEN PULL BOXES, AND NO MORE THAN 100'-0" BETWEEN PULL BOXES. PULL BOXES SHALL BE INSTALLED FOR STRAIGHT THRU PULLS ONLY.

F. ALL COMMUNICATIONS CABLES SHALL BE INSTALLED IN CONDUIT, CABLE TRAY, OR SUPPORTED BY CABLE HOOKS. PROVIDE BUSHINGS AT THE ENDS OF ALL CONDUIT WHERE STUBBED ABOVE ACCESSIBLE CEILINGS OR WHERE DROPPED INTO CABLE TRAY. PROVIDE CABLE HOOKS ABOVE ACCESSIBLE CEILINGS FOR CABLE INSTALLATION WHERE NOT INSTALLED IN CONDUIT OR CABLE TRAY.

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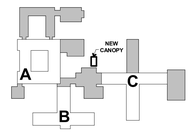
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| Description | Date | Num |
| Addendum #2 | 2025-09-11 | 1 |

Comm: 246040
Date: 08/29/2025
Drawn: T. Nguyen
Check: D. Kruth
North

# SYSTEMS PLAN - AREA 'A'

Scale: As indicated

# E3.001a


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Local: C:\Users\T.Nguyen\Documents\246040_Nelson Care Center_A_T.Nguyen.rvt

**MN**




1 SYSTEMS PLAN - AREA B
3/32" = 1'-0"

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**E**

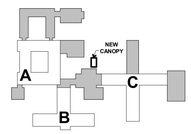
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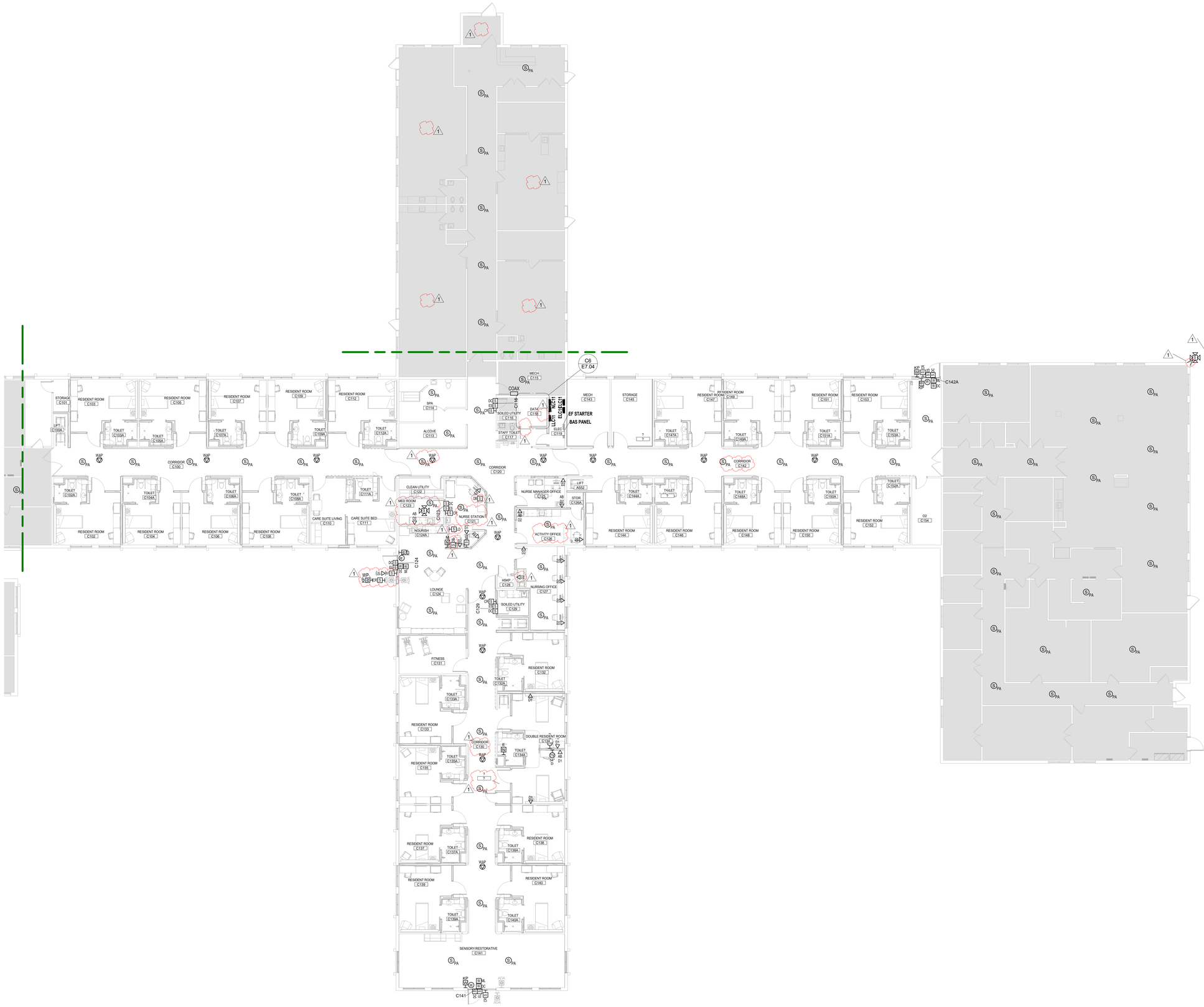
North

**SYSTEMS PLAN - AREA 'B'**

Scale: As indicated

# E3.001b

**MN**




1 SYSTEMS PLAN - AREA C
3/32" = 1'-0"

**E**

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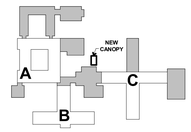
M. DIV 26 TO PROVIDE EXTERIOR PENTRATIONS/BOXES/CONDUIT FOR CAMERAS AND SPEAKERS. COORDINATE WITH DIV 27 AND OWNER'S SECURITY VENDOR.

# Nelson Care Center Renovation

420 12th Ave E,
Alexandria, MN 56308


**Vivie**
2209 Jefferson St. Suite 201
Alexandria, MN 56308

**WOLD ARCHITECTS AND ENGINEERS**
50 South 6th Street, Suite 2250
Minneapolis, Minnesota 55402
woldae.com | 612 772 9025


KEY PLAN

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**

**SITHA CHHUM**
License Number: **54883** Date **08/29/2025**

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #2** | **2025-09-11** | **1** |

Comm: **246040**
Date: **08/29/2025**
Drawn: **T. Nguyen**
Check: **D. Kruth**
North

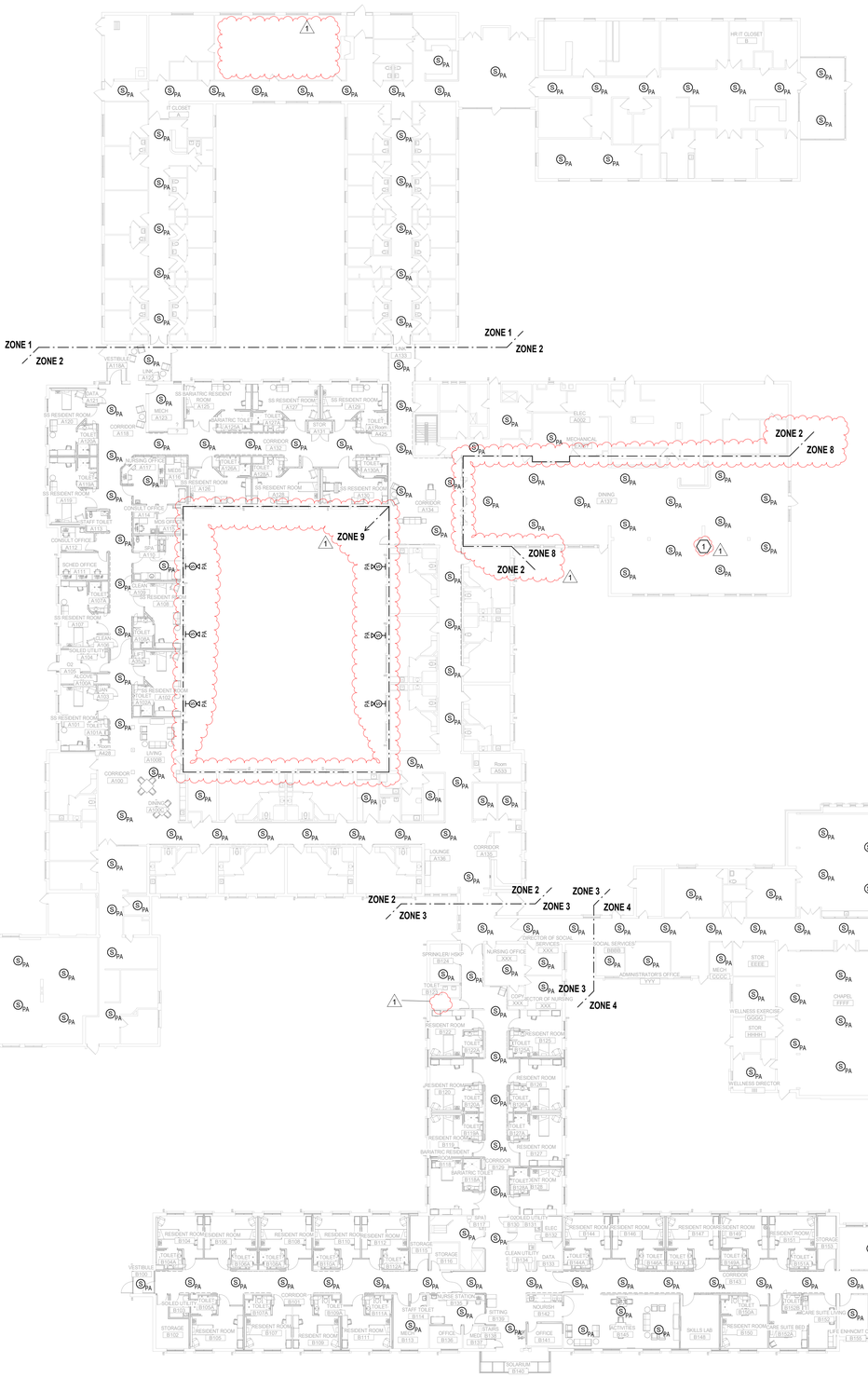
# SYSTEMS PLAN - AREA 'C'

Scale: **As Indicated**

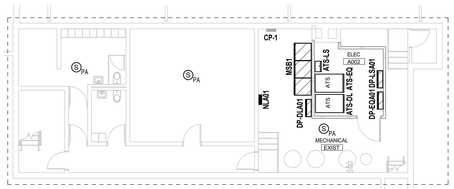
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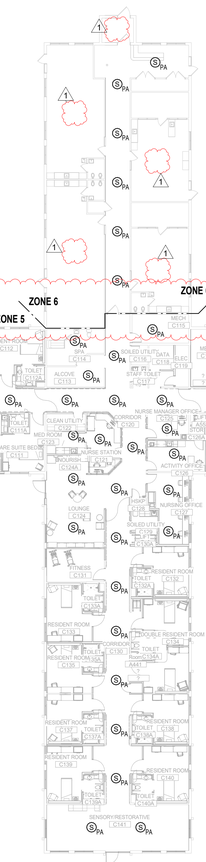
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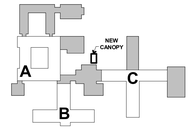



F1 SYSTEMS PLAN - PA SPEAKER LAYOUT
1" = 20'-0"




B4 LOWER LEVEL PARTIAL PLAN - SYSTEMS
3/32" = 1'-0"






KEY PLAN

## KEYED SHEET NOTES

1. IN THIS ZONE: REUSE EXISTING SPEAKER CUTOUTS WHERE POSSIBLE.

## GENERAL SHEET NOTES - EXTENDED

A. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING ALL ELECTRICAL ITEMS SHOWN ON THE DRAWINGS, EXCEPT ITEMS LISTED ON SHEET E0.01 GENERAL ELECTRICAL NOTES.

B. SEE FIRE ALARM ZONE SCHEDULE FOR INITIATING ZONES AND SIGNAL CIRCUITS.

C. COORDINATE WITH OTHER TRADES AND REFER TO DIV 27 & 28 SPECIFICATIONS FOR FULL REQUIREMENTS.

D. MAINTAIN SEPARATION BETWEEN SECURITY/PAGING CABLING AND DATA CABLING.

E. INSTALL DATA/SYSTEMS CONDUIT WITH NO MORE THAN (2) 90° BENDS BETWEEN PULL BOXES, AND NO MORE THAN 100'-0" BETWEEN PULL BOXES. PULL BOXES SHALL BE INSTALLED FOR STRAIGHT THRU PULLS ONLY.

F. ALL COMMUNICATIONS CABLES SHALL BE INSTALLED IN CONDUIT, CABLE TRAY, OR SUPPORTED BY CABLE HOOKS. PROVIDE BUSHINGS AT THE ENDS OF ALL CONDUIT WHERE STUBBED ABOVE ACCESSIBLE CEILINGS OR WHERE DROPPED INTO CABLE TRAY. PROVIDE CABLE HOOKS ABOVE ACCESSIBLE CEILINGS FOR CABLE INSTALLATION WHERE NOT INSTALLED IN CONDUIT OR CABLE TRAY.

G. COORDINATE RECESSED CASEWORK DEVICES AND ABOVE COUNTER (AB) DEVICES WITH ARCHITECTURAL ELEVATION DRAWINGS AND DETAILS. MATCH ELEVATIONS WITH DIVISION 26 DEVICES UNLESS NOTED OTHERWISE.

H. REFER TO FLOORBOX AND POKE-THRU SCHEDULE FOR FULL REQUIREMENTS AT EACH LOCATION. COORDINATE LOCATIONS PRIOR TO ROUGH-IN AS REQUIRED.

I. PROVIDE ROUGH-IN FOR CARD READERS. (COORDINATE WITH OWNERS SECURITY CONTRACTOR.) REFER TO DETAILS IN E7 SERIES FOR ADDITIONAL INFORMATION.

J. PROVIDE ROUGH-IN AND DATA CABLING FOR SECURITY CAMERA. LOCATIONS ARE APPROXIMATE AND SHALL BE FIELD COORDINATED WITH OWNER FOR FINAL LOCATION. REFER TO DETAILS IN E7 SERIES FOR MORE INFORMATION. CAMERAS, MOUNTS, MOUNTING AND PROGRAMMING BY OWNER.

K. REFER TO SHEET E7.01 FOR ADDITIONAL INFORMATION REGARDING SLEEVES.

L. PROVIDE ROUGH-IN AND DATA CABLING FOR VIDEO INTERCOM AND MASTER STATIONS AS IDENTIFIED ON DRAWINGS. DEVICES AND PROGRAMMING BY OWNERS SECURITY CONTRACTOR.

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SITHA CHHUM
License Number: 54883 Date 08/29/2025

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Comm: 246040
Date: 08/29/2025
Drawn: T. Nguyen
Check: D. Kruth
North

Scale: As Indicated

# SYSTEMS PLAN - PA SPEAKER & ZONING LAYOUT

# E3.002


Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_R24.0.0_Build2022.rvt
Central: https://docs.autodesk.com/projects/Revit-API/en/2022/Developer-Guide-s-Reports/Worksharing-Central-Model.htm
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**MN**

## GENERAL SHEET NOTES

A. SOME NOTES MAY NOT APPLY TO THIS SHEET.

B. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING ALL ELECTRICAL ITEMS SHOWN ON THIS DRAWING.PROVIDE PROPER NUMBER OF CONDUCTORS TO ACHIEVE CIRCUITING AND SWITCHING SHOWN.

C. CIRCUIT NUMBERS AT DEVICES CORRESPOND TO PANELBOARD BREAKERS (SEE PANELBOARD SCHEDULE). BRANCH CIRCUITS SHALL BE SIZED ACCORDING TO THE CIRCUIT BREAKER RATING, UNLESS INDICATED OTHERWISE ON THE ELECTRICAL EQUIPMENT SCHEDULE.

D. ALL RECESSED LIGHTING FIXTURES IN LAY-IN CEILINGS SHALL BE INSTALLED WITH 6' LONG FLEXIBLE METAL CONDUIT.

E. ALL BOXES, CONDUIT AND WIRING TO BE CONCEALED. NO EXPOSED BOXES, CONDUIT AND WIRING SHALL BE ALLOWED UNLESS NOTED OTHERWISE.

F. NO MULTI-BRANCH CIRCUIT ALLOWED. PROVIDE A SEPARATE NEUTRAL WITH EACH CIRCUIT.

G. COORDINATE LUMINAIRE LOCATIONS WITH OTHER TRADES INCLUDING HVAC EQUIPMENT, DUCTWORK, SPRINKLER PIPING AND BUILDING STRUCTURAL MEMBERS.

H. PROVIDE SEPARATED CONDUITS FOR ALL EMERGENCY AND EGRESS LIGHTING CIRCUITS, DO NOT COMBINE WITH NORMAL BUILDING WIRING.

I. ALL EXIT SIGNS AND BATTERY EGRESS FIXTURES TO BE CONNECTED TO NEAREST EMERGENCY LIGHTING CIRCUIT AHEAD OF ANY SWITCHING.

J. ALL EXTERIOR LIGHTING TO BE CONNECTED TO LIGHTING CONTROL RELAY SYSTEM UNLESS NOTED OTHERWISE.

K. LIGHT FIXTURE WHIPS OF TYPE AC AND TYPE MC WITH GROUND WIRE SHALL BE ALLOWED ONLY ABOVE ACCESSIBLE GRID-TYPE SUSPENDED CEILING. MAX LENGTH OF 6 FEET. MAXIMUM OF 4 WHIPS PER JUNCTION BOX. DIRECT FIXTURE TO FIXTURE CONNECTIONS ARE NOT ALLOWED.

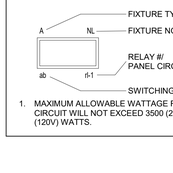
L. SEE LIGHTING CONTROL SCHEDULE. ALL OCCUPANCY SENSORS SHALL HAVE AUXILIARY CONTACTS OR ADDITIONAL DEVICES TO ENABLE HVAC INTERFACE.

NORMAL OPERATING LIGHT FIXTURE. FEED FIXTURE USING EXISTING LIGHTING CIRCUITRY FROM NORMAL PANEL.

SWITCHED EMERGENCY LIGHT. FEED FIXTURE FROM EMERGENCY PANEL VIA EMERGENCY RELAY AS INDICATED ON PLAN.

UNSWITCHED EMERGENCY LIGHT (NIGHT LIGHT). FEED FIXTURE FROM UNSWITCHED CIRCUIT IN EMERGENCY PANEL.

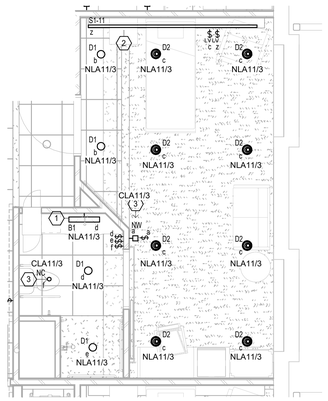
FEED EXIT LIGHTS FROM UNSWITCHED CIRCUIT IN EMERGENCY PANEL.



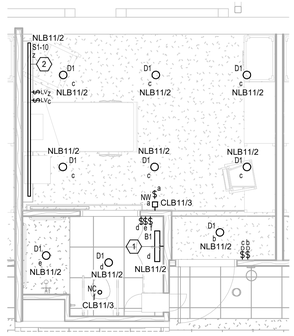

1. MAXIMUM ALLOWABLE WATTAGE FOR A LIGHTING CIRCUIT WILL NOT EXCEED 3500 (277V) OR 1600 (120V) WATTS.

## KEYED SHEET NOTES

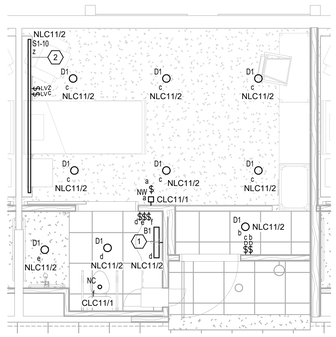
1. CENTER VANITY LIGHTING OVER SINK.
2. S1 TAPE LIGHT TO BE MOUNTED TO UNDERSIDE OF SHELF. SEE ARCHITECTURAL SHEETS FOR INTERIOR DETAILS.
3. CONNECT TYPE 'NC' AND 'NW' NIGHT LIGHTS TO CRITICAL POWER.




1 ENLARGED LIGHTING PLAN - SHORT STAY
1/4" = 1'-0"




2 ENLARGED LIGHTING PLAN - MAPLES
1/4" = 1'-0"




3 ENLARGED PLAN - PINES
1/4" = 1'-0"




4 ENLARGED PLAN - CARE SUITE
1/4" = 1'-0"

## GENERAL SHEET NOTES - POWER

A. SOME NOTES MAY NOT APPLY TO THIS SHEETS.

B. ALL BOXES, CONDUIT AND WIRING TO BE CONCEALED. NO EXPOSED BOXES, CONDUIT AND WIRING SHALL BE ALLOWED UNLESS NOTED OTHERWISE.

C. COORDINATE DEVICE LOCATIONS WITH OTHER TRADES INCLUDING HVAC EQUIPMENT, DUCTWORK, SPRINKLER PIPING AND BUILDING STRUCTURAL MEMBERS.

D. REFER TO TECHNOLOGY DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL POWER, RACEWAY, AND ROUGH-IN REQUIREMENTS. CONTRACTOR SHALL COORDINATE POWER OUTLET LOCATIONS WITH TECHNOLOGY PLANS AND DETAILS AS REQUIRED.

E. NO MULTI-BRANCH CIRCUIT ALLOWED. PROVIDE A SEPARATE NEUTRAL WITH EACH CIRCUIT.

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

G. CIRCUIT WIRING IS NOT SHOWN EXCEPT FOR SWITCHING INTENT OF FIXTURES AND CONTROL OF DEVICES.

H. GFCI RECEPTACLES SHALL BE WIRED TO PROTECT ONLY THE DEVICES IN THAT OUTLET BOX. DOWNSTREAM DEVICES SHALL NOT BE PROTECTED BY GFCI.

I. CIRCUIT NUMBERS SHOWN ARE FOR SCHEMATIC PURPOSES AND ARE FOR DISTINGUISHING CIRCUITS. RECORD AS-BUILT CIRCUITING IN A TYPED AND DATED PANELBOARD SCHEDULE.

J. PROVIDE SEPARATED CONDUITS FOR ALL EMERGENCY CIRCUITS. DO NOT COMBINE WITH NORMAL BUILDING WIRING.

K. COORDINATE HEIGHTS OF ALL DEVICES WITH MILLWORK AND MODULAR FURNITURE SHOP DRAWINGS PRIOR TO ROUGH-IN.

L. OFFSET BACK TO BACK BOXES AT LEAST 12 INCHES EXCEPT IN RESIDENT ROOMS WHERE PUTTY-PADS SHALL BE PROVIDED (3M MPP+ OR EQUIVALENT).

M. ALL RECEPTACLES TO BE HOSPITAL GRADE.

N. ALL RECEPTACLES TO BE TAMPER RESISTANT.

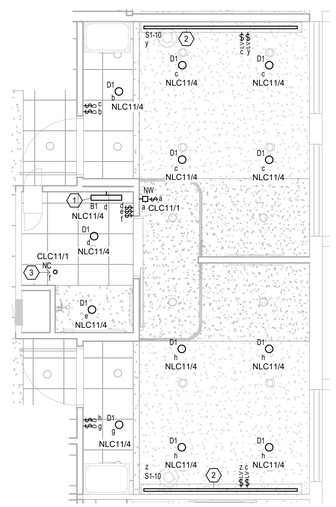
O. SEE BRANCH CIRCUIT CONDUCTOR SIZING SCHEDULE ON SHEET E0.00

P. SEE FLOORBOX AND POKE-THRU SCHEDULE ON SHEET E6.00.

Q. SEE MOTOR AND EQUIPMENT SCHEDULE ON SHEET E6.02.

R. REFER TO MECHANICAL SHEETS FOR EXACT MOTOR LOCATIONS.

GRAY AREAS TO SHOW ADDED SCOPE FOR NURSE CALL AND PAGING SPEAKER REPLACEMENT.




5 LIGHTING PLAN - AREA C - DOUBLE C134
1/4" = 1'-0"

## GENERAL SHEET NOTES - EXTENDED

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B. SEE FIRE ALARM ZONE SCHEDULE FOR INITIATING ZONES AND SIGNAL CIRCUITS.

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D. MAINTAIN SEPARATION BETWEEN SECURITY/PAGING CABLING AND DATA CABLING.

E. INSTALL DATA/SYSTEMS CONDUIT WITH NO MORE THAN (2) 90° BENDS BETWEEN PULL BOXES, AND NO MORE THAN 100'-0" BETWEEN PULL BOXES. PULL BOXES SHALL BE INSTALLED FOR STRAIGHT THRU PULLS ONLY.

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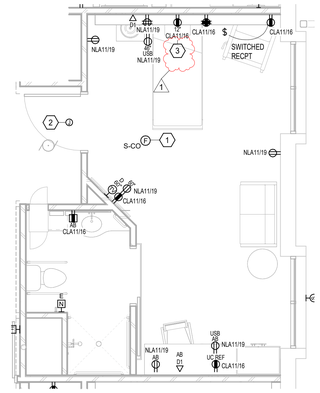
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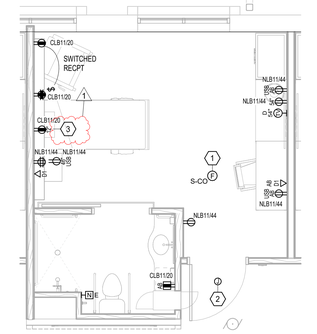
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## KEYED SHEET NOTES

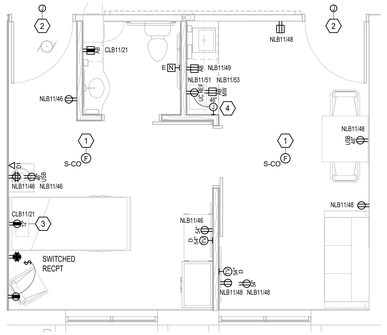
1. PROVIDE SYSTEM SMOKE DETECTOR. RESIDENT ROOM SMOKE DETECTORS SHALL NOT INITIATE BUILDING-WIDE ALARM. PROVIDE RELAYS AND CONNECTIONS TO NURSE CALL SYSTEM FOR DETECTORS TO ALARM AT NURSE CALL MASTER STATION. ASSOCIATED SMOKE DETECTOR INDICATION LIGHT SHALL ILLUMINATE.
2. PROVIDE 24V, 1 LAMP INDICATOR LIGHT COMPATIBLE WITH FIRE ALARM SYSTEM (CREST 968294 OR APPROVED EQUAL) AND ICE CUBE RELAY. LAMP TO ILLUMINATE WHEN ASSOCIATED DETECTOR WITHIN RESIDENT ROOM IS IN ALARM. PROVIDE 120V CRITICAL BRANCH CIRCUIT AS REQUIRED. CIRCUIT MAX OF 10 LAMPS PER CIRCUIT.
3. MOUNT BED RECEPTACLE HORIZONTALLY.
4. PROVIDE REMOTE 'BLANK FACE' GFCI DEVICE, LEVITION 7590 OR EQUAL. PROVIDE LABEL.



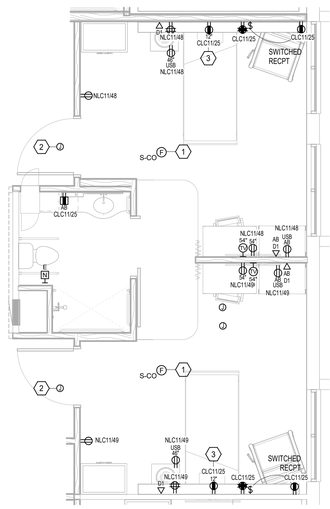

6 ENLARGED POWER & SYSTEMS PLAN - SHORT STAY
1/4" = 1'-0"



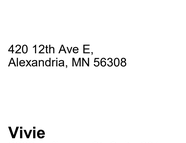

7 ENLARGED POWER & SYSTEMS PLAN - MAPLES & PINES
1/4" = 1'-0"




8 ENLARGED POWER & SYSTEMS PLAN - CARE SUITE
1/4" = 1'-0"




9 POWER & SYSTEMS PLAN - AREA C - DOUBLE
1/4" = 1'-0"




KEY PLAN

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License Number: **54883** Date **08/29/2025**

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Drawn: **H. Nelson**
Check: **S. Chhum**

North

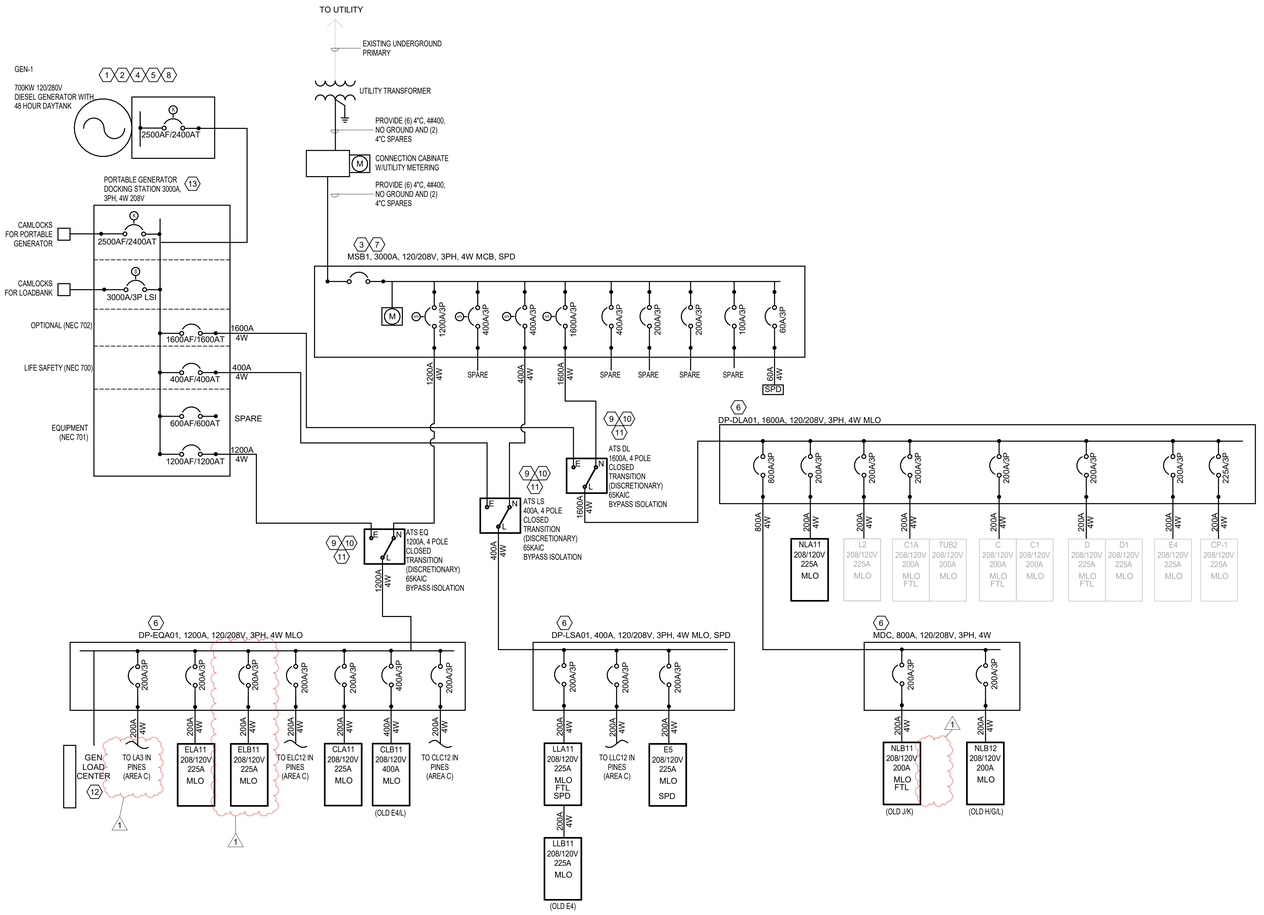
**ENLARGED PLANS - ELECTRICAL**

Scale: **As indicated**

**E4.01**

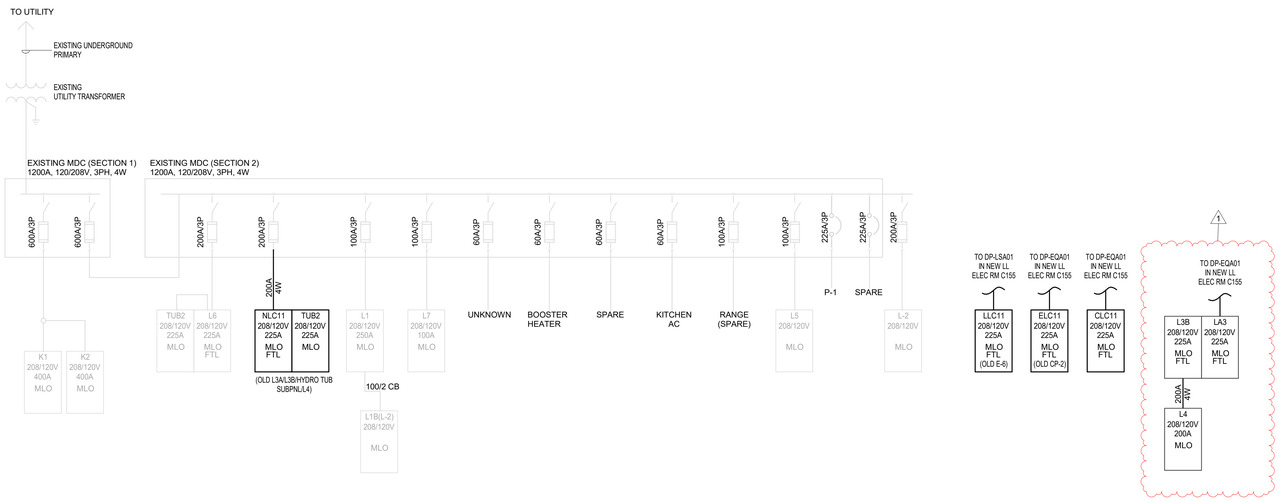
Architects Boys 2024©2025 Wold Architects and Engineers
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Current Time:Thursday, September 11, 2025 8:58:32 AM

# MN




## 1 REMODELED ADMIN/SHORT STAY/MAPLES ONLINE DIAGRAM (SERVICE #1 AND #2)

NTS




## 2 REMODELED PINES ONELINE DIAGRAM (SERVICE #3)

NTS

RISER/ONELINE SYMBOLS:

NAME
VOLTAGE
AMPS
MLO
PANELBOARD

TRANSFORMER:
NAME
KVA
MOUNTING

GENERATOR:
KW
VOLTAGE
TYPE
RUNTIME

METER

X INDICATES THE FOLLOWING:
K = KIRK KEY INTERLOCK
S = SHUNT TRIP

GENERAL NOTES:

A. PROVIDE XHHW INSULATION FOR UNDERGROUND CONDUCTORS.
B. PROVIDE COPPER CONDUCTORS.
C. PROVIDE GALVANIZED RIGID STEEL CONDUIT FOR EXPOSED EXTERIOR CONDUITS.
D. ROUTE HORIZONTAL CONDUITS ABOVE BOTTOM CHORD OF BAR JOISTS UNLESS NOTED OTHERWISE. ROUTE CONDUITS FROM WALL MOUNTED DEVICES VERTICALLY TO JOIST SPACE UNLESS NOTED OTHERWISE.
E. OBTAIN SHOP DRAWINGS OF EQUIPMENT AND COMPARE CONNECTION, LOAD, AND VOLTAGE INFORMATION TO CONTRACT DOCUMENTS BEFORE INSTALLING FEEDER CONDUITS. NOTIFY ARCHITECT OF ANY DISCREPANCIES. BEFORE MAKING EQUIPMENT POWER CONNECTIONS, COMPARE EQUIPMENT NAMEPLATE DATA TO SHOP DRAWINGS AND CONTRACT DOCUMENTS. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
F. MOTOR FEEDERS SHOWN ON DIAGRAM FOR REFERENCE. REFER TO MOTOR SCHEDULE FOR MORE INFORMATION.
G. REFER TO SITE PLAN FOR EXACT LOCATIONS OF EXTERIOR EQUIPMENT.
H. COORDINATE ALL DEMOLITION WITH PHASING PLANS. SEE ELECTRICAL FLOOR PLANS AND ARCHITECTURAL PHASING PLANS.
I. SEE GROUNDING DETAIL ON E7 SHEETS.
J. PROVIDE CONCRETE PAD FOR FLOOR-MOUNTED EQUIPMENT.
K. REFER TO SITE PLAN FOR EXACT LOCATIONS OF EXTERIOR EQUIPMENT.
L. SEE PANEL SCHEDULE FOR ADDITIONAL BREAKERS NOT INDICATED.

KEYED NOTES:

1. PROVIDE 1" CONDUIT WITH CONTROL WIRING FROM GENERATOR TO EACH ATS. COORDINATE EXACT REQUIREMENTS WITH ATS AND GENERATOR MANUFACTURER.
2. PROVIDE GENERATOR. GENERATOR TO HAVE WEATHERPROOF, SOUND ATTENUATED ENCLOSURE. PROVIDE CAGE OVER MUFFLER TO PREVENT DEBRIS FROM ENTERING.
3. PROVIDE CIRCUIT BREAKER SWITCHBOARD WITH POWER CIRCUIT BREAKER MAIN WITH LSI TRIP SETTINGS AND EXTERNAL SURGE PROTECTION. FURNISH PROVISIONS IN SWITCHBOARD FOR FUTURE DISTRIBUTION SECTIONS.
4. PROVIDE GENSET ANNUNCIATOR IN 24/7 NURSE STATION. CONNECT TO BUILDING AUTOMATION SYSTEM TO INDICATE IF GENERATOR IS RUNNING.
5. GENERATOR TO BE A SEPARATELY DERIVED SYSTEM. PROVIDE 1/2" X 10' COPPER CLAD GROUND ROD AT OPPOSITE CORNERS OF CONCRETE PAD. EXOTHERMIC WELD #3/0 COPPER GROUND CONNECTION TO GENERATOR AT EACH GROUND ROD. PROVIDE ADDITIONAL GROUND RODS AS REQUIRED TO OBTAIN 25 OHMS GROUND RESISTANCE.
6. PROVIDE CIRCUIT BREAKER WITH LSI TRIP SETTINGS FOR ALL BREAKER FRAME SIZES 200A OR MORE IN THIS PANEL/SWITCHBOARD.
7. PROVIDE CUSTOMER METER WITH WEB BASED SOFTWARE (EATON PXM 2250 WITH POWER EXPERT ENERGY VIEWER OR EQUAL). PROVIDE DATA CONNECTION TO NETWORK. SWITCHBOARD MANUFACTURER TO PROVIDE CUTOUT FOR METER AND ALL REQUIRED ACCESSORIES FOR METER INSTALLATION (CT SHORTING BLOCK, PT CONNECTIONS, ETC).
8. PROVIDE RAISED PLATFORM WITH RAILING AND STAIRS IN FRONT OF CONTROL PANEL. COORDINATE LOCATION WITH CLEARANCES OF OTHER EQUIPMENT IN EQUIPMENT YARD.
9. PROVIDE ASCO 7000 SERIES AUTOMATIC TRANSFER SWITCH WITH METERING AND NETWORK CAPABILITIES (OR APPROVED EQUALS).
10. PROVIDE CONNECTION TO BUILDING AUTOMATION SYSTEM FOR ATS STATUS.
11. BASE BID: PROVIDE NON BYPASS ISOLATION ATS. ALTERNATE: PROVIDE BYPASS ISOLATION OPTION.
12. PROVIDE 208V/1PH CONNECTION FOR GENERATOR LOAD CENTER. GENERATOR ACCESSORIES FED FROM LOAD CENTER. COORDINATE EXACT LOCATION OF GENERATOR REMOTE SHUT OFF WITH OWNER PRIOR TO ROUGH-IN.
13. PROVIDE DOCKING STATION WITH REMOTE CAMLOCKS FOR PORTABLE GENERATOR CONNECTION AND LOAD BANK CONNECTION. PROVIDE (1) 20A 120V AND (1) 30A 120V RECEPTACLES FOR SHORE POWER. PROVIDE SEGREGATED SECTIONS AS INDICATED BY DASHED LINES.
14. PROVIDE EMPTY 1" CONDUIT FOR FUTURE CONNECTION TO BUILDING AUTOMATION SYSTEM FOR OWNER METERING. STUB INTO MAIN ELECTRICAL ROOM. COORDINATE WITH UTILITY COMPANY ON ADDITIONAL RELAYS REQUIRED AT UTILITY METER.

## EQUIPMENT DESIGNATIONS

1. POWER SYSTEM:
   N = NORMAL
   E = ESSENTIAL EQUIPMENT
   C = CRITICAL
   L = LIFE SAFETY
2. VOLTAGE LEVEL
   L = 208/120V
   H = 480/277V
3. BUILDING AREA
4. BUILDING LEVEL
   0 = BOTTOM LEVEL
   1 = 1ST FLOOR
   2 = 2ND FLOOR
   P = PENTHOUSE
5. SEQUENTIAL NUMBER
6. TRANSFORMER DESIGNATION
7. PREFIXES
   MSB = MAIN SWITCH BOARD
   SWB = SWITCHBOARD
   DP = DISTRIBUTION PANEL
   MCC = MOTOR CONTROL CENTER
   ATS = AUTOMATIC TRANSFER SWITCH
   UPS = UNINTERRUPTIBLE POWER SUPPLY
   K = KITCHEN

PANELBOARDS
NLA01

TRANSFORMERS
NTA12

WITH PREFIX
SWB-NHB21

**3 PHASE FEEDER SCHEDULE (COPPER)**

| | FEEDER 3W | FEEDER 4W |
|---|---|---|
| ID | (NO NEUTRAL) | (WITH NEUTRAL) |
| (AMPS) | CONDUIT-PHASE-GROUND | CONDUIT-PHASE-GROUND |
| 20A | (1) 1/2"C, 3#12+1#12G | (1) 1/2"C, 4#12+1#12G |
| 30A | (1) 3/4"C, 3#10+1#10G | (1) 3/4"C, 4#10+1#10G |
| 40A | (1) 3/4"C, 3#8+1#10G | (1) 3/4"C, 4#8+1#10G |
| 50A | (1) 1"C, 3#6+1#10G | (1) 1"C, 4#6+1#10G |
| 60A | (1) 1.25"C, 3#4+1#8G | (1) 1.25"C, 4#4+1#8G |
| 80A | (1) 1.25"C, 3#3+1#8G | (1) 1.25"C, 4#3+1#8G |
| 100A | (1) 1.5"C, 3#1+1#6G | (1) 1.5"C, 4#1+1#6G |
| 125A | (1) 1.5"C, 3#1+1#6G | (1) 1.5"C, 4#1+1#6G |
| 150A | (1) 1.5"C, 3#1/0+1#6G | (1) 1.5"C, 4#1/0+1#6G |
| 175A | (1) 1.5"C, 3#2/0+1#6G | (1) 2"C, 4#2/0+1#6G |
| 200A | (1) 2"C, 3#3/0+1#6G | (1) 2"C, 4#3/0+1#6G |
| 225A | (1) 2"C, 3#4/0+1#4G | (1) 2.5"C, 4#4/0+1#4G |
| 250A | (1) 2"C, 3#250+1#4G | (1) 2.5"C, 4#250+1#4G |
| 300A | (1) 2.5"C, 3#350+1#4G | (1) 3"C, 4#350+1#4G |
| 400A | (2) 2"C, 3#3/0+1#3G | (2) 2"C, 4#3/0+1#3G |
| 500A | (2) 2"C, 3#250+1#2G | (2) 2.5"C, 4#250+1#2G |
| 600A | (2) 2.5"C, 3#350+1#1G | (2) 3"C, 4#350+1#1G |
| 800A | (3) 2.5"C, 3#300+1#1/0G | (3) 2.5"C, 4#300+1#1/0G |
| 1000A | (3) 3"C, 3#400+1#2/0G | (3) 3"C, 4#400+1#2/0G |
| 1200A | (4) 3"C, 3#350+1#3/0G | (4) 3"C, 4#350+1#3/0G |
| 1600A | (5) 3"C, 3#400+1#4/0G | (5) 3"C, 4#400+1#4/0G |
| 2000A | (6) 3"C, 3#400+1#250G | (6) 3"C, 4#400+1#250G |
| 2500A | (7) 3"C, 3#500+1#350G | (7) 3"C, 4#500+1#350G |
| 3000A | (8) 3"C, 3#500+1#400G | (8) 3.5"C, 4#500+1#400G |

GENERAL NOTES:

A. THE ABOVE FEEDER SCHEDULE IS A SCHEDULE OF TYPICAL FEEDERS AND SOME SIZES MAY NOT BE UTILIZED.

B. CONDUCTOR AMPACITIES ARE BASED ON TABLE 310-15 OF THE NEC FOR COPPER CONDUCTOR AT 60 DEG C FOR 100A AND BELOW. AMPACITIES ARE BASED ON 75 DEG C FOR 125A AND ABOVE.

C. FEEDER SIZES SHOWN ON THE RISER DIAGRAM INDICATE FEEDER AMPACITIES AND DO NOT NECESSARILY CORRESPOND TO CIRCUIT BREAKER AMPACITIES. CERTAIN FEEDERS MAY BE SIZED FOR THE DURATION FACTORS REQUIRED BY CODE AND/OR ARE OVERSIZED FOR VOLTAGE DROP.

D. WHERE PARALLEL CONDUITS ARE INDICATED FOR A SINGLE FEEDER, EACH CONDUIT SHALL CONTAIN PHASE, NEUTRAL, AND GROUND CONDUCTORS INDICATED.

E. CONDUIT ABOVE GRADE INDOORS SHALL BE EMT. CONDUIT ABOVE GRADE OUTDOORS SHALL BE GALVANIZED IMC OR RMC.

F. EMT USED FOR PURPOSES OF SIZING CONDUIT. CONTRACTOR TO UPSIZE CONDUIT IF DIFFERENT THAN EMT.

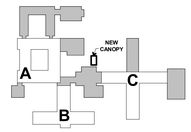
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**Nelson Care Center Renovation**

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KEY PLAN

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

SITHA CHHUM
License Number: 54883 Date: 08/29/2025

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| Addendum #2 | 2025-09-11 | 1 |

Comm: 246040
Date: 08/29/2025
Drawn: Author
Check: Checker

# REMODELLED ONELINE DIAGRAMS

Scale: As indicated

# E5.01

E

# MN

## LUMINAIRE SCHEDULE

| MARK | LUMINAIRE TYPE | LAMP/ENGINE | VOLT | MOUNTING | LENS/LOUVER | OTHER REQUIREMENTS | MANUFACTURERS' SERIES | NOTES | MARK | SPARE |
|---|---|---|---|---|---|---|---|---|---|---|
| A1 | RECESSED 2X2 VOLUMETRIC TROFFER | LED 4000+ LUMENS 35W | 120V | RECESSED ACT | CURVED, SMOOTH ACRYLIC DIFFUSER | CENTER BASKET DESIGN, WHITE FINISH, PAINTED AFTER FABRICATION, 0-10V DIMMING DRIVER | LITHONIA 2BLT<br>HE WILLIAMS LT SERIES<br>COLUMBIA LCAT22<br>METALUX 22CZ<br>ELITE LIGHTING 22-OVHP-LED | | A1 | 6 |
| A2 | RECESSED 2X2 VOLUMETRIC TROFFER | LED 4800+ LUMENS 48W | 120V | RECESSED ACT | CURVED, SMOOTH ACRYLIC DIFFUSER | CENTER BASKET DESIGN, WHITE FINISH, PAINTED AFTER FABRICATION, 0-10V DIMMING DRIVER | LITHONIA 2BLT<br>HE WILLIAMS LT SERIES<br>COLUMBIA LCAT22<br>METALUX 22CZ<br>ELITE LIGHTING 22-OVHP-LED | | A2 | 2 |
| A3 | RECESSED 2X4 VOLUMETRIC TROFFER | LED 4800+ LUMENS 48W | 120V | RECESSED ACT | CURVED, SMOOTH ACRYLIC DIFFUSER | CENTER BASKET DESIGN, WHITE FINISH, PAINTED AFTER FABRICATION, 0-10V DIMMING DRIVER | LITHONIA 2BLT<br>HE WILLIAMS LT SERIES<br>COLUMBIA LCAT24<br>METALUX 24CZ<br>ELITE LIGHTING 24-OVHP-LED | | A3 | 2 |
| A4 | RECESSED 2X4 FLAT PANEL | LED 4500+ LUMENS 40W | 120V | RECESSED ACT | SMOOTH, SATIN WHITE, CLEANABLE LENS | FLAT PANEL, SEAMLESS ALUMINUM FRAME, 0-10V DIMMING DRIVER | LITHONIA CPX LED SERIES<br>HE WILLIAMS LP<br>COLUMBIA CFP SERIES<br>METALUX 24FP LED<br>ELITE 24-FPL1-LED-ML | | A4 | 2 |
| A5S | SURFACE MOUNT 1X4 FLAT PANEL | LED 4500+ LUMENS 40W | 120V | SURFACE MOUNT TO EXISTING HARD CLG, PROVIDE SURFACE MOUNT KIT | SMOOTH, SATIN WHITE, CLEANABLE LENS | LOW PROFILE FLAT PANEL, SEAMLESS ALUMINUM FRAME, 0-10V DIMMING DRIVER | LITHONIA CPX LED SERIES<br>HE WILLIAMS LP<br>COLUMBIA CFP SERIES<br>METALUX 14FP LED<br>ELITE LIGHTING 11-FPL1-SM-LED | | A5S | 2 |
| B1 | 24" VANITY, 3-SHADE | INCAND, (3) 60W MED BASE | 120V | WALL MOUNT OVER MIRROR, SEE INTERIOR ELEVATIONS | WHITE GLASS SHADE | 23.25" LENGTH, SATIN NICKEL FINISH, DAMP LOCATION RATED. | LUMENCIA LL4908-BN (1)<br>AFX LIGHTING JOANNA VANITY, JNNV SERIES | 1 | B1 | 6 |
| B2 | LINEAR VANITY | LED 1000+ LUMENS 20W | 120V | WALL MOUNT VERTICALLY OR HORIZONTALLY, SEE INTERIOR ELEVATION | FROSTED ACRYLIC DIFFUSER (1) | CONTEMPORARY SQUARE PROFILE, VANITY, 24" LENGTH, POLISHED CHROME FINISH, DAMP LOCATION RATED. | LITHONIA FMVCSLS<br>AFX BARLOW LED VANITY, BARV SERIES<br>BROWNLEE FLOW-SQ<br>OR PRIOR APPROVED EQUAL | 2 | B2 | 2 |
| B3 | DECORATIVE SCONCE | LED 400L 12W | 120V | WALL MOUNT , SEE INTERIOR ELEVATIONS | MATTE WHITE ACRYLIC SHADE | SATIN NICKEL 16.5"H X 7"W X 3.75 "D ADA | OXYGEN LIGHTING BEACON WALL SCONCE, 3-587-224 | 2 | B3 | 6 |
| C1 | 4FT UTILITY STRIP | LED 5000+ LUMENS 41W | 120V | CHAIN HANG AT 8' AFF OR BELOW DUCTWORK | FLAT LENS, FROSTED ACRYLIC | COMPACT COLD ROLLED STEEL CHANNEL, WHITE FINISH | LITHONIA CLX SERIES<br>HE WILLIAMS 75L SERIES<br>COLUMBIA MPS SERIES<br>METALUX SNLED SERIES<br>DAY-BRITE FSS SERIES | | C1 | 2 |
| C2 | 2FT UTILITY STRIP - WALL MOUNT | LED 2000+ LUMENS 20W | 120V | WALL MOUNT ABOVE DOOR | FLAT LENS, FROSTED ACRYLIC | COMPACT COLD ROLLED STEEL CHANNEL, WHITE FINISH | LITHONIA CLX SERIES<br>HE WILLIAMS 75L SERIES<br>COLUMBIA MPS SERIES<br>METALUX SNLED SERIES<br>DAY-BRITE FSS SERIES | | C2 | 2 |
| D1 | RECESSED LED WAFER DOWNLIGHT 6" - 1000L | LED 900+ LUMENS 13W | 120V | RECESSED | SMOOTH FROSTED LENS | SHALLOW CANLESS DOWNLIGHT, WHITE FINISH, WET LOCATION, TRIAC DIMMING | JUNO WAFER, WF6 SERIES<br>SLG LIGHTING DF G2 (1)<br>OR PRIOR APPROVED EQUAL | 2 | D1 | 12 |
| D2 | RECESSED LED ADJUSTABLE WAFER DOWNLIGHT 6" - 1000L | LED 900+ LUMENS 13W | 120V | RECESSED | SMOOTH FROSTED LENS | SHALLOW CANLESS DOWNLIGHT, WHITE FINISH, ADJUSTABLE TO 20 DEGREES, TRIAC DIMMING | JUNO WAFER, WF6 ADJ SWW5<br>SLG DGW G1 (1)<br>OR PRIOR APPROVED EQUAL | 2 | D2 | 6 |
| E1 | THERMOPLASTIC EXIT - SINGLE FACE | LED <5W | 120V | UNIVERSAL MOUNT | WHITE THERMOPLASTIC FACE WITH RED STENCIL LETTERS | SINGLE FACE WITH DIRECTIONAL CHEVRON KNOCKOUTS, AC POWER ONLY | LITHONIA LQM SERIES<br>LIGHT ALARMS SLX SERIES<br>DUAL-LITE EVE SERIES<br>SURE-LITES LPX SERIES<br>PHILIPS CHLORIDE VE SERIES | | E1 | 6 |
| E2 | THERMOPLASTIC EXIT - DOUBLE FACE | LED <5W | 120V | UNIVERSAL MOUNT | WHITE THERMOPLASTIC FACE WITH RED STENCIL LETTERS | DOUBLE FACE WITH DIRECTIONAL CHEVRON KNOCKOUTS, AC POWER ONLY | LITHONIA LQM SERIES<br>LIGHT ALARMS SLX SERIES<br>DUAL-LITE EVE SERIES<br>SURE-LITES LPX SERIES<br>PHILIPS CHLORIDE VE SERIES | | E2 | |
| EM1 | EMERGENCY BATTERY POWERED LIGHTING UNIT | LED 125+ LUMENS 6W | 120V | WALL MOUNT ABOVE DOOR | HIGH PERFORMANCE, AIMABLE OPTICS, ACRYLIC LENS | LOW PROFILE, WHITE THERMOPLASTIC HOUSING, NICKEL CADMIUM BATTERY, MIN 90 MINUTES ILLUMINATION UPON LOSS OF POWER, 4000K-5000K COLOR TEMP, SELF-DIAGNOSTICS | LITHONIA ELM2L SERIES<br>LIGHT ALARMS LCA-LED2<br>DUAL-LITE LZ SERIES<br>SURE-LITES LEM SERIES<br>ISOLITE RL2LED | | EM1 | |
| NC | CEILING MOUNTED NIGHT LIGHT | WHITE LED 100+LUMENS 3W | 120V | RECESSED | | <2" DIAM, ULTRA LOW OUTPUT, 30 DEGREE BEAM SPREAD, BRUSHED ALUMINUM, NICKEL FINISH, PROVIDE REQUIRED DRIVER | PRIMA LIGHTING 8727H<br>I-2 SYSTEM F1171A<br>MP LIGHTING L52<br>WAC LIGHTING HR-LED211E<br>GM LIGHTING RML-RO | | NC | 6 |
| NW | WALL MOUNTED NIGHT LIGHT | AMBER LED <5W | 120V | MOUNT 18" AFF | FROSTED POLYCARBONATE LENS | DIE CAST ALUMINUM FACEPLATE WITH SOFT CONTOURED SHAPE, WHITE ANTIMICROBIAL FINISH | HEALTHCARE LIGHTING HNL710 GEO<br>KENALL MEDMASTER SOFTSTEP MCSL SERIES<br>NEWSTAR HNLVH<br>FAIL-SAFE CIRCADIAN UNV MSN<br>CHLORIDE PATH SERIES | | NW | 6 |
| P1 | FLUSH MOUNT DRUM SHADE | LED 3200 LUMENS 42W | 120V | FLUSH MOUNT | LAMINATED FABRIC/ACRYLIC SHADE | LOW PROFILE FLUSH DOUBLE DRUM SHADE, SHADE COLOR TBD, 23-1/4"DIAM X 5-5/8"H (1) | AFX SANIBEL LED FLUSH MOUNT, SAF SERIES<br>QTY: 4, ALLOWANCE PRICE: $<br>CONTACT MLZGAR & ASSOCIATES FOR DETAILS. | 2 | P1 | |
| P2 | PENDANT DRUM SHADE | LED 5400 LUMENS 60W | 120V | PENDANT, MOUNT BOTTOM AT 7'6" AFF | LAMINATED FABRIC/ACRYLIC SHADE | LOW PROFILE FLUSH DOUBLE DRUM SHADE, SHADE COLOR TBD, 32"DIAM X 8-1/2"H (1) | AFX SANIBEL LED PENDANT, SAP SERIES<br>QTY:2, ALLOWANCE PRICE: $<br>CONTACT MLZGAR & ASSOCIATES FOR DETAILS. | 2 | P2 | |

## LUMINAIRE SCHEDULE

| MARK | LUMINAIRE TYPE | LAMP/ENGINE | VOLT | MOUNTING | LENS/LOUVER | OTHER REQUIREMENTS | MANUFACTURERS' SERIES | NOTES | MARK | SPARE |
|---|---|---|---|---|---|---|---|---|---|---|
| S1-# | LED CHANNEL-MILLWORK SEE PLANS FOR LENGTH | LED 275+ LUMENS/FT 2.5W/FT | 120V | RECESS IN MILLWORK, SEE ARCH DETAIL | WHITE DIFFUSED LENS | PROVIDE 0-10V DIMMING POWER SUPPLY, CONNECTORS, LOW VOLTAGE CABLES, SPLICE BOXES, ENDCAPS AND MOUNTING HARDWARE. | PURE EDGE LIGHT CHANNEL 0.6" DIY RECESSED MILLWORK<br>LUMENTRUSS 5000 SERIES, 5350 PROFILE (1)<br>OR APPROVED EQUAL | | S1-# | |
| U1 | UNDERCABINET - 24" | LED 1000+ LUMENS 15W | 120V | UNDERCABINET | HIGH IMPACT ACRYLIC OR POLYCABONATE | STREAMLINED NARROW BODY, SOLID FRONT HOUSING, 18"-24" LENGTH, HARDWIRE BOX, ANTIMICROBIAL WHITE FINISH | HEALTHCARE LIGHTING SPECTRA - SF LED<br>KENALL STRATALUME MAUCLED<br>NEW STAR STARMED MUS UNDERCABINET LED<br>FAIL-SAFE UCL<br>DAY-BRITE LINCS SERIES | | U1 | |
| AA1 | PARKING POLE - TYPE IV, 25' POLE ALTERNATE #5 ONLY | LED 7,000+ LUMENS 51W | MVOLT | MATCH EXISTING POLE TYPE AND MOUNTING | TYPE IV DISTRIBUTION | 4000K COLOR TEMP, BRONZE FINISH, MATCH EXISTING POLE STYLE, 1 HEAD DRILL MOUNTING, MOTION SENSOR WITH DIMMING TO 1 FC WHEN UNOCCUPIED. | LITHONIA RSX1 SERIES<br>LUMARK PREVAIL DISCRETE LED | | AA1 | |
| DD2 | CANOPY DOWNLIGHT 4" SLOPED CEILING | LED 1500 LUMENS 18W | 120V | RECESSED, PROVIDE 20 DEGREE SLOPED CEILING ADAPTER | OPEN | CLEAR TRIM WITH SEMI-SPECULAR FINISH, 0-10V DIMMING DRIVER, WET LOCATION | LITHONIA LDN4 SERIES<br>HALO COMMERCIAL HC4<br>OR PRIOR APPROVED EQUAL | | DD2 | 2 |
| SS1 | MONUMENT SIGN LIGHT | LED 800+ LUMENS 12W | 277V | ADJUSTABLE MOUNTING CLIPS. SEE ARCHITECTURAL DETAILS FOR LOCATION. | TEMPERED, OPTICAL GLASS DIFFUSER, 120 DEGREE BEAM SPREAD | 4000K COLOR TEMP, 48" LONG, LED STRIP WITH ADJUST. MOUNTING CLIPS, IP66 WET RATED. PROVIDE WITH WET LOC CABLE CONNECTOR, LV POWER CABLES, CONNECTOR, J-BOXES AND POWER SUPPLY. | PURE EDGE SLICK LL0-24V-14W48-277-40K-BK<br>SOLVANTI PARETE ILLUMINATA<br>OR APPROVED EQUAL | | SS1 | |
| WW1 | EXTERIOR WALL PACK | LED 3000+ LUMENS 25W | MVOLT | MOUNT CENTER OF BOX AT ELEVATION: 107'-9" | TYPE IV | 4000K COLOR TEMP, BRONZE FINISH, WET LOCATION RATED | LITHONIA WDG2 LED SERIES<br>COOPER GKO GEKKO<br>OR APPROVED EQUAL | | WW1 | |

(1)

| NOTES |
|---|
| GENERAL NOTES: |
| A. MATCH EXISTING COLOR TEMPERATURE. PROVIDE 80+ CRI UNLESS NOTED OTHERWISE. |
| B. ALLOWANCE PRICES DO NOT INCLUDE FREIGHT, TAX, TARIFFS. ALLOWANCE PRICES ARE VALID FOR 60 DAYS. |
| C. PROVIDE SPARE LUMINAIRES FOR USE DURING CONSTRUCTION (QUANTITIES AS NOTED). TURN OVER LUMINAIRES NOT INSTALLED TO OWNER FOR SPARE MATERIALS. |
| D. PROVIDE MINIMUM 5 YEAR WARRANTY. |
| E. SEE SPECIFICATIONS FOR REQUIRED SPARES TO BE PROVIDED FOR DRIVERS, SHADES, LENSES, ETC. |
| F. FIELD SELECTABLE LUMENS NOT ACCEPTABLE. |
| NUMBERED NOTES: |
| 1. EC TO PROVIDE EQUIVALENT LED BULBS. PROVIDE CUT SHEET WITH LIGHTING DATA SHEET SUBMITTAL. |
| 2. PROVIDE COMAPTIBLE DIMMERS WHERE SHOWN ON PLANS. |

(1)

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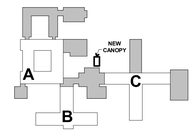
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woldae.com | 612 772 9025




KEY PLAN

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

SITHA CHHUM
License Number: 54883 Date 08/29/2025

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| Addendum #2 | 2025-09-11 | 1 |

Comm: 246040
Date: 08/29/2025
Drawn: H. Nelson
Check: S. Chhum

# LUMINAIRE SCHEDULE

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

# E6.01

MN

## SWITCHBOARD: MSB1

**LOCATION:** MECHANICAL EXIST
**VOLTAGE:** 208Y/120 V. 3 ø 4 W.
**MAIN DEVICE:**
**A.F.C. RATING:** SEE SHORT CIRCUIT STUDY
**MAINS RATING:**
**BUS AMPS:**
**SPECIAL:**
**FED FROM:** UTILITY

| CKT | NAME | SWITCH | P | FUSE SIZE | PHASE A KVA | PHASE B KVA | PHASE C KVA | NOTES |
|---|---|---|---|---|---|---|---|---|
| 1 | DP-EQA01 | 1200 A | 3 | 1200 A | 129 | 122 | 122 | |
| 2 | DP-LSA01 | 1200 A | 3 | 1200 A | 3 | 2 | 1 | |
| 3 | DP-DLA01 | 1600 A | 3 | 1600 A | 24 | 25 | 22 | |
| 4 | | | | | | | | |
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| 24 | | | | | | | | |

| LOAD CLASSIFICATION | CONNECTED | DEMAND | ESTIMATED | PANEL TOTALS | |
|---|---|---|---|---|---|
| LTG | 26456 VA | 125.00% | 33070 VA | | |
| MTR | 302695 VA | 101.64% | 307663 VA | | |
| Other | 0 VA | 0.00% | 0 VA | | |
| RCPT | 120620 VA | 54.15% | 65310 VA | | |
| | | | | CONN. LOAD: | 449547 VA |
| | | | | EST. DEMAND LOAD: | 405770 VA |
| | | | | CONN. CURRENT: | 1248 A |
| | | | | EST. DEMAND... | 1126 A |

**Load Types: COOL - Summer Cooling, ELEV- Elevator, EQ - Equipment, EX -Existing, GND - Grounding, HEAT - Winter Heating, KTCH- Kitchen, L MTR - Largest Motor, LTG -Lighting, MTR - Motor, RCPT - Receptacle**

**NOTES:**

## SWITCHBOARD: DP-EQA01

**LOCATION:** ELEC A002
**VOLTAGE:** 208Y/120 V. 3 ø 4 W.
**MAIN DEVICE:**
**A.F.C. RATING:** SEE SHORT CIRCUIT STUDY
**MAINS RATING:**
**BUS AMPS:**
**SPECIAL:**
**FED FROM:** MSB1

| CKT | NAME | SWITCH | P | FUSE SIZE | PHASE A KVA | PHASE B KVA | PHASE C KVA | NOTES |
|---|---|---|---|---|---|---|---|---|
| 1 | ELA11 | 200 A | 3 | 200 A | 24 | 22 | 22 | |
| 2 | CLA11 | 200 A | 3 | 200 A | 8 | 5 | 8 | |
| 3 | ELB11 | 400 A | 3 | 20 A | 40 | 39 | 38 | |
| 4 | ELC11 | 400 A | 3 | 20 A | 39 | 38 | 36 | |
| 5 | CLC11 | 400 A | 3 | 20 A | 9 | 10 | 11 | |
| 6 | CLB11 | 400 A | 3 | 20 A | 10 | 7 | 6 | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |
| 13 | | | | | | | | |
| 14 | | | | | | | | |
| 15 | | | | | | | | |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |
| 21 | | | | | | | | |
| 22 | | | | | | | | |
| 23 | | | | | | | | |
| 24 | | | | | | | | |

| LOAD CLASSIFICATION | CONNECTED | DEMAND | ESTIMATED | PANEL TOTALS | |
|---|---|---|---|---|---|
| LTG | 3985 VA | 125.00% | 4981 VA | | |
| MTR | 298855 VA | 101.66% | 303823 VA | | |
| RCPT | 69640 VA | 57.18% | 39820 VA | | |
| | | | | CONN. LOAD: | 372294 VA |
| | | | | EST. DEMAND LOAD: | 348393 VA |
| | | | | CONN. CURRENT: | 1033 A |
| | | | | EST. DEMAND... | 967 A |

**Load Types: COOL - Summer Cooling, ELEV- Elevator, EQ - Equipment, EX -Existing, GND - Grounding, HEAT - Winter Heating, KTCH- Kitchen, L MTR - Largest Motor, LTG -Lighting, MTR - Motor, RCPT - Receptacle**

**NOTES:**

## SWITCHBOARD: DP-LSA01

**LOCATION:** ELEC A002
**VOLTAGE:** 208Y/120 V. 3 ø 4 W.
**MAIN DEVICE:**
**A.F.C. RATING:** SEE SHORT CIRCUIT STUDY
**MAINS RATING:**
**BUS AMPS:**
**SPECIAL:**
**FED FROM:** MSB1

| CKT | NAME | SWITCH | P | FUSE SIZE | PHASE A KVA | PHASE B KVA | PHASE C KVA | NOTES |
|---|---|---|---|---|---|---|---|---|
| 1 | LLC11 | 400 A | 3 | 20 A | 1 | 0 | 0 | |
| 2 | LLA11 | 400 A | 3 | 20 A | 1 | 1 | 0 | |
| 3 | LLB11 | 400 A | 3 | 20 A | 1 | 1 | 1 | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |
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| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |
| 21 | | | | | | | | |
| 22 | | | | | | | | |
| 23 | | | | | | | | |
| 24 | | | | | | | | |

| LOAD CLASSIFICATION | CONNECTED | DEMAND | ESTIMATED | PANEL TOTALS | |
|---|---|---|---|---|---|
| LTG | 2233 VA | 125.00% | 2791 VA | | |
| MTR | 3840 VA | 103.13% | 3960 VA | | |
| | | | | | |
| | | | | CONN. LOAD: | 6039 VA |
| | | | | EST. DEMAND LOAD: | 6712 VA |
| | | | | CONN. CURRENT: | 17 A |
| | | | | EST. DEMAND... | 19 A |

**Load Types: COOL - Summer Cooling, ELEV- Elevator, EQ - Equipment, EX -Existing, GND - Grounding, HEAT - Winter Heating, KTCH- Kitchen, L MTR - Largest Motor, LTG -Lighting, MTR - Motor, RCPT - Receptacle**

**NOTES:**

## SWITCHBOARD: DP-DLA01

**LOCATION:** MECHANICAL EXIST
**VOLTAGE:** 208Y/120 V. 3 ø 4 W.
**MAIN DEVICE:**
**A.F.C. RATING:** SEE SHORT CIRCUIT STUDY
**MAINS RATING:**
**BUS AMPS:**
**SPECIAL:**
**FED FROM:** MSB1

| CKT | NAME | SWITCH | P | FUSE SIZE | PHASE A KVA | PHASE B KVA | PHASE C KVA | NOTES |
|---|---|---|---|---|---|---|---|---|
| 1 | MDC | 800 A | 3 | 800 A | 16 | 16 | 15 | |
| 2 | NLA11 | 200 A | 3 | 200 A | 8 | 9 | 7 | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |
| 13 | | | | | | | | |
| 14 | | | | | | | | |
| 15 | | | | | | | | |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |
| 21 | | | | | | | | |
| 22 | | | | | | | | |
| 23 | | | | | | | | |
| 24 | | | | | | | | |

| LOAD CLASSIFICATION | CONNECTED | DEMAND | ESTIMATED | PANEL TOTALS | |
|---|---|---|---|---|---|
| LTG | 20326 VA | 125.00% | 25407 VA | | |
| Other | 0 VA | 0.00% | 0 VA | | |
| RCPT | 50980 VA | 59.81% | 30490 VA | | |
| | | | | CONN. LOAD: | 71245 VA |
| | | | | EST. DEMAND LOAD: | 55840 VA |
| | | | | CONN. CURRENT: | 198 A |
| | | | | EST. DEMAND... | 155 A |

**Load Types: COOL - Summer Cooling, ELEV- Elevator, EQ - Equipment, EX -Existing, GND - Grounding, HEAT - Winter Heating, KTCH- Kitchen, L MTR - Largest Motor, LTG -Lighting, MTR - Motor, RCPT - Receptacle**

**NOTES:**

## SWITCHBOARD: MDC

**LOCATION:** ELEC B132
**VOLTAGE:** 208Y/120 V. 3 ø 4 W.
**MAIN DEVICE:**
**A.F.C. RATING:** SEE SHORT CIRCUIT STUDY
**MAINS RATING:**
**BUS AMPS:**
**SPECIAL:**
**FED FROM:** DP-DLA01

| CKT | NAME | SWITCH | P | FUSE SIZE | PHASE A KVA | PHASE B KVA | PHASE C KVA | NOTES |
|---|---|---|---|---|---|---|---|---|
| 1 | NLB11 | 400 A | 3 | 20 A | 16 | 16 | 15 | |
| 2 | NLB12 | 400 A | 3 | 20 A | 0 | 0 | 0 | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |
| 13 | | | | | | | | |
| 14 | | | | | | | | |
| 15 | | | | | | | | |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |
| 21 | | | | | | | | |
| 22 | | | | | | | | |
| 23 | | | | | | | | |
| 24 | | | | | | | | |

| LOAD CLASSIFICATION | CONNECTED | DEMAND | ESTIMATED | PANEL TOTALS | |
|---|---|---|---|---|---|
| LTG | 12670 VA | 125.00% | 15837 VA | | |
| Other | 0 VA | 0.00% | 0 VA | | |
| RCPT | 34820 VA | 64.36% | 22410 VA | | |
| | | | | CONN. LOAD: | 47437 VA |
| | | | | EST. DEMAND LOAD: | 38195 VA |
| | | | | CONN. CURRENT: | 132 A |
| | | | | EST. DEMAND... | 106 A |

**Load Types: COOL - Summer Cooling, ELEV- Elevator, EQ - Equipment, EX -Existing, GND - Grounding, HEAT - Winter Heating, KTCH- Kitchen, L MTR - Largest Motor, LTG -Lighting, MTR - Motor, RCPT - Receptacle**

**NOTES:**

E

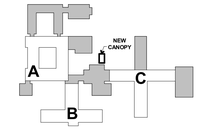
Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_R23.rvt
Central: https://acc.autodesk.com/view/c4ea1d6f-f1ea-ed2d-1f67-e4ecb4ae1b6d?version=4
Local: C:\Revit Local\246040 - Nelson Care Center_R23_H.Nelson.rvt
8/11/2025 2:06:16 AM

# Nelson Care Center Renovation

420 12th Ave E,
Alexandria, MN 56308

**Vivie**
2209 Jefferson St. Suite 201
Alexandria, MN 56308

**WOLD ARCHITECTS AND ENGINEERS**
50 South 6th Street, Suite 2250
Minneapolis, Minnesota 55402
woldae.com | 612 772 9025




KEY PLAN

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**

**SITHA CHHUM**
License Number: **54883** Date **08/29/2025**

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #2** | **2025-09-11** | **1** |

Comm: **246040**
Date: **08/29/2025**
Drawn: **H. Nelson**
Check: **S. Chhum**

# PANEL SCHEDULES

Scale:

# E6.10

MN

## PANELBOARD: ELA11

**LOCATION:** MECH A123 — **VOLTAGE:** 208Y/120 V. 3 ø 4 W.
**MOUNTING:** SURFACE — **A.F.C....** SEE SHORT CIRCUIT STUDY
**MAINS TYPE:** — **SPECIAL:**
**MAINS AMPS:**
**BUS AMPS:**
**FED FROM:** DP-EQA01

| # | BT | LOAD DESCRIPTION | LT | BKR | P | A | | B | | C | | P | BKR | LT | LOAD DESCRIPTION | BT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | FCU 1-01, 02, 03, 04, 05 | MTR | 20 A | 2 | 1.2 | 1.2 | | | | | 2 | 20 A | MTR | FCU 1-11, 12, 13, 14, 15 | | 2 |
| 3 | -- | -- | -- | -- | -- | | | 1.2 | 1.2 | | | -- | -- | -- | -- | -- | 4 |
| 5 | | FCU 1-06, 07, 08, 09, 10 | MTR | 20 A | 2 | | | | | 1.2 | 1.2 | 2 | 20 A | MTR | FCU 1-16, 17, 18, 19, 20 | | 6 |
| 7 | -- | -- | -- | -- | -- | 1.2 | 1.2 | | | | | -- | -- | -- | -- | -- | 8 |
| 9 | | BCU-1, 2 | MTR | 20 A | 2 | | | 0.6 | 0.1 | | | 1 | 20 A | MTR | CUH-1 | | 10 |
| 11 | -- | -- | -- | -- | -- | | | | 0.6 | | | | | | | | 12 |
| 13 | | HP-2 | MTR | 60 A | 3 | 5.4 | 5.4 | | | | | 3 | 60 A | MTR | HP-1 | | 14 |
| 15 | -- | -- | -- | -- | -- | | | 5.4 | 5.4 | | | -- | -- | -- | -- | -- | 16 |
| 17 | -- | -- | -- | -- | -- | | | | | 5.4 | 5.4 | -- | -- | -- | -- | -- | 18 |
| 19 | | ERV-1 | MTR | 20 A | 3 | 1.0 | 1.0 | | | | | 3 | 20 A | MTR | ERV-2 | | 20 |
| 21 | -- | -- | -- | -- | -- | | | 1.0 | 1.0 | | | -- | -- | -- | -- | -- | 22 |
| 23 | -- | -- | -- | -- | -- | | | | | 1.0 | 1.0 | -- | -- | -- | -- | -- | 24 |
| 25 | | DOAS-1 | MTR | 20 A | 3 | 1.2 | 1.2 | | | | | 3 | 20 A | MTR | DOAS-2 | | 26 |
| 27 | -- | -- | -- | -- | -- | | | 1.2 | 1.2 | | | -- | -- | -- | -- | -- | 28 |
| 29 | -- | -- | -- | -- | -- | | | | | 1.2 | 1.2 | -- | -- | -- | -- | -- | 30 |
| 31 | | CU-1 | MTR | 50 A | 3 | 3.9 | 0.0 | | | | | 2 | 40 A | -- | SPARE | | 32 |
| 33 | -- | -- | -- | -- | -- | | | 3.9 | 0.0 | | | -- | -- | -- | -- | -- | 34 |
| 35 | -- | -- | -- | -- | -- | | | | | 3.9 | 0.0 | 1 | 20 A | -- | SPARE | | 36 |
| 37 | | SPARE | -- | 20 A | 2 | 0.0 | 0.0 | | | | | 2 | 20 A | -- | SPARE | | 38 |
| 39 | -- | -- | -- | -- | -- | | | 0.0 | 0.0 | | | -- | -- | -- | -- | -- | 40 |
| 41 | | SPARE | -- | 20 A | 2 | | | | | 0.0 | 0.0 | 2 | 20 A | -- | SPARE | | 42 |
| 43 | -- | -- | -- | -- | -- | 0.0 | 0.0 | | | | | -- | -- | -- | -- | -- | 44 |
| 45 | | SPARE | -- | 20 A | 2 | | | 0.0 | 0.0 | | | 2 | 20 A | -- | SPARE | | 46 |
| 47 | -- | -- | -- | -- | -- | | | | | 0.0 | 0.0 | -- | -- | -- | -- | -- | 48 |
| 49 | | SPARE | -- | 40 A | 2 | 0.0 | 0.0 | | | | | 1 | 20 A | -- | SPARE | | 50 |
| 51 | -- | -- | -- | -- | -- | | | 0.0 | 0.0 | | | 1 | 20 A | -- | SPARE | | 52 |
| 53 | | SPARE | -- | 20 A | 1 | | | | | 0.0 | 0.0 | 1 | 20 A | -- | SPARE | | 54 |
| | | | | **TOTAL LOAD:** | | 24 kVA | | 22 kVA | | 22 kVA | | | | | | | |
| | | | | **TOTAL AMPS:** | | 200 A | | 186 A | | 185 A | | | | | | | |

| LOAD CLASSIFICATION | CONNECTED | DEMAND | ESTIMATED | PANEL TOTALS | |
|---|---|---|---|---|---|
| MTR | 68454 VA | 105.89% | 72484 VA | | |
| | | | | **CONNECTED LOAD:** | 68454 VA |
| | | | | **ESTIMATED DEMAND:** | 72484 VA |
| | | | | **CONNECTED CURRENT:** | 190 A |
| | | | | **EST. DEMAND CURRENT:** | 201 A |

**Load Types (LT): COOL - Summer Cooling, ELEV- Elevator, EQ - Equipment, EX -Existing, GND - Grounding, HEAT - Winter Heating, KTCH-Kitchen, L MTR - Largest Motor, LTG -Lighting, MTR - Motor, RCPT - Receptacle**
**Breaker Types (BT): AF = Arc Fault, GF = Ground Fault Circuit Interrupt, GE = Ground Fault Equipment Protection (30mA), SH = Shunt Trip, EX = Existing, NX = New Breaker For Existing Panel, M = Metered**

**NOTES:**

## PANELBOARD: ELB11

**LOCATION:** ELEC B132 — **VOLTAGE:** 208Y/120 V. 3 ø 4 W.
**MOUNTING:** SURFACE — **A.F.C....** SEE SHORT CIRCUIT STUDY
**MAINS TYPE:** — **SPECIAL:**
**MAINS AMPS:**
**BUS AMPS:**
**FED FROM:** DP-EQA01

| # | BT | LOAD DESCRIPTION | LT | BKR | P | A | | B | | C | | P | BKR | LT | LOAD DESCRIPTION | BT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | FCU 2-01, 02, 03, 04, 05 | MTR | 20 A | 2 | 1.2 | 1.2 | | | | | 2 | 20 A | MTR | FCU 2-11, 12, 13, 14, 15 | | 2 |
| 3 | -- | -- | -- | -- | -- | | | 1.2 | 1.2 | | | -- | -- | -- | -- | -- | 4 |
| 5 | | FCU 2-06, 07, 08, 09, 10 | MTR | 20 A | 2 | | | | | 1.2 | 1.2 | 2 | 20 A | MTR | FCU 2-16, 17, 18, 19, 20 | | 6 |
| 7 | -- | -- | -- | -- | -- | 1.2 | 1.2 | | | | | -- | -- | -- | -- | -- | 8 |
| 9 | | FCU 2-21, 22, 23, 24, 25 | MTR | 20 A | 2 | | | 1.2 | 1.2 | | | 2 | 20 A | MTR | FCU 2-26, 27, 28, 29, 30 | | 10 |
| 11 | -- | -- | -- | -- | -- | | | | | 1.2 | 1.2 | -- | -- | -- | -- | -- | 12 |
| 13 | | FCU 2-31, 32, 33, 34, 35 | MTR | 20 A | 2 | 1.2 | 1.2 | | | | | 2 | 20 A | MTR | FCU 2-41, 42, 43, 44, 45 | | 14 |
| 15 | -- | -- | -- | -- | -- | | | 1.2 | 1.2 | | | -- | -- | -- | -- | -- | 16 |
| 17 | | FCU 2-36, 37, 38, 39, 40 | MTR | 20 A | 2 | | | | | 1.2 | 0.2 | 2 | 20 A | MTR | FCU 2-46 | | 18 |
| 19 | -- | -- | -- | -- | -- | 1.2 | 0.2 | | | | | -- | -- | -- | -- | -- | 20 |
| 21 | | BC- 3, 4, 5, 6 | MTR | 20 A | 2 | | | 1.3 | 5.4 | | | 3 | 60 A | MTR | HP-3 | | 22 |
| 23 | -- | -- | -- | -- | -- | | | | | 1.3 | 5.4 | -- | -- | -- | -- | -- | 24 |
| 25 | | HP-4 | MTR | 60 A | 3 | 5.4 | 5.4 | | | | | -- | -- | -- | -- | -- | 26 |
| 27 | -- | -- | -- | -- | -- | | | 5.4 | 5.4 | | | 3 | 60 A | MTR | HP-5 | | 28 |
| 29 | -- | -- | -- | -- | -- | | | | | 5.4 | 5.4 | -- | -- | -- | -- | -- | 30 |
| 31 | | HP-6 | MTR | 60 A | 3 | 5.4 | 5.4 | | | | | -- | -- | -- | -- | -- | 32 |
| 33 | -- | -- | -- | -- | -- | | | 5.4 | 6.6 | | | 3 | 70 A | MTR | CU-2 | | 34 |
| 35 | -- | -- | -- | -- | -- | | | | | 5.4 | 6.6 | -- | -- | -- | -- | -- | 36 |
| 37 | | CUH-2 | MTR | 20 A | 1 | 0.1 | 6.6 | | | | | -- | -- | -- | -- | -- | 38 |
| 39 | | DOAS-2 | MTR | 30 A | 3 | | | 1.9 | 1.0 | | | 3 | 20 A | MTR | ERV-2 | | 40 |
| 41 | -- | -- | -- | -- | -- | | | | | 1.9 | 1.0 | -- | -- | -- | -- | -- | 42 |
| 43 | -- | -- | -- | -- | -- | 1.9 | 1.0 | | | | | -- | -- | -- | -- | -- | 44 |
| 45 | | SPARE | -- | 20 A | 2 | | | 0.0 | 0.0 | | | 2 | 20 A | -- | SPARE | | 46 |
| 47 | -- | -- | -- | -- | -- | | | | | 0.0 | 0.0 | -- | -- | -- | -- | -- | 48 |
| 49 | | SPARE | -- | 40 A | 2 | 0.0 | 0.0 | | | | | 2 | 40 A | -- | SPARE | | 50 |
| 51 | -- | -- | -- | -- | -- | | | 0.0 | 0.0 | | | -- | -- | -- | -- | -- | 52 |
| 53 | | SPARE | -- | 20 A | 1 | | | | | 0.0 | 0.0 | 1 | 20 A | -- | SPARE | | 54 |
| | | | | **TOTAL LOAD:** | | 40 kVA | | 39 kVA | | 38 kVA | | | | | | | |
| | | | | **TOTAL AMPS:** | | 332 A | | 330 A | | 321 A | | | | | | | |

| LOAD CLASSIFICATION | CONNECTED | DEMAND | ESTIMATED | PANEL TOTALS | |
|---|---|---|---|---|---|
| MTR | 117663 VA | 104.22% | 122632 VA | | |
| | | | | **CONNECTED LOAD:** | 117663 VA |
| | | | | **ESTIMATED DEMAND:** | 122632 VA |
| | | | | **CONNECTED CURRENT:** | 327 A |
| | | | | **EST. DEMAND CURRENT:** | 340 A |

**Load Types (LT): COOL - Summer Cooling, ELEV- Elevator, EQ - Equipment, EX -Existing, GND - Grounding, HEAT - Winter Heating, KTCH-Kitchen, L MTR - Largest Motor, LTG -Lighting, MTR - Motor, RCPT - Receptacle**
**Breaker Types (BT): AF = Arc Fault, GF = Ground Fault Circuit Interrupt, GE = Ground Fault Equipment Protection (30mA), SH = Shunt Trip, EX = Existing, NX = New Breaker For Existing Panel, M = Metered**

**NOTES:**

## PANELBOARD: ELC11

**LOCATION:** ELEC C119 — **VOLTAGE:** 208Y/120 V. 3 ø 4 W.
**MOUNTING:** SURFACE — **A.F.C....** SEE SHORT CIRCUIT STUDY
**MAINS TYPE:** — **SPECIAL:**
**MAINS AMPS:**
**BUS AMPS:**
**FED FROM:** DP-EQA01

| # | BT | LOAD DESCRIPTION | LT | BKR | P | A | | B | | C | | P | BKR | LT | LOAD DESCRIPTION | BT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | FCU 3-01, 02, 04, 05 | MTR | 20 A | 2 | 1.0 | 1.2 | | | | | 2 | 20 A | MTR | FCU 3-11, 12, 13, 14, 15 | | 2 |
| 3 | -- | -- | -- | -- | -- | | | 1.0 | 1.2 | | | -- | -- | -- | -- | -- | 4 |
| 5 | | FCU 3-06, 07, 08, 09, 10 | MTR | 20 A | 2 | | | | | 1.2 | 1.0 | 2 | 20 A | MTR | FCU 3-16, 17, 19, 20 | | 6 |
| 7 | -- | -- | -- | -- | -- | 1.2 | 1.0 | | | | | -- | -- | -- | -- | -- | 8 |
| 9 | | FCU 3-21, 22, 23, 24, 25 | MTR | 20 A | 2 | | | 1.2 | 1.0 | | | 2 | 20 A | MTR | FCU 3-26, 27, 29, 30 | | 10 |
| 11 | -- | -- | -- | -- | -- | | | | | 1.2 | 1.0 | -- | -- | -- | -- | -- | 12 |
| 13 | | FCU 3-31, 32, 33, 34, 35 | MTR | 20 A | 2 | 1.2 | 1.3 | | | | | 2 | 20 A | MTR | BC-7, 8, 9, 10 | | 14 |
| 15 | -- | -- | -- | -- | -- | | | 1.2 | 1.3 | | | -- | -- | -- | -- | -- | 16 |
| 17 | | FCU 3-36, 37, 39 | MTR | 20 A | 2 | | | | | 1.0 | 5.4 | 3 | 60 A | MTR | HP-7 | | 18 |
| 19 | -- | -- | -- | -- | -- | 1.0 | 5.4 | | | | | -- | -- | -- | -- | -- | 20 |
| 21 | | HP-8 | MTR | 60 A | 3 | | | 5.4 | 5.4 | | | -- | -- | -- | -- | -- | 22 |
| 23 | -- | -- | -- | -- | -- | | | | | 5.4 | 5.4 | 3 | 60 A | MTR | HP-9 | | 24 |
| 25 | -- | -- | -- | -- | -- | 5.4 | 5.4 | | | | | -- | -- | -- | -- | -- | 26 |
| 27 | | HP-10 | MTR | 60 A | 3 | | | 5.4 | 5.4 | | | -- | -- | -- | -- | -- | 28 |
| 29 | -- | -- | -- | -- | -- | | | | | 5.4 | 6.6 | 3 | 70 A | MTR | CU-3 | | 30 |
| 31 | -- | -- | -- | -- | -- | 5.4 | 6.6 | | | | | -- | -- | -- | -- | -- | 32 |
| 33 | | DOAS-3 | MTR | 30 A | 3 | | | 1.9 | 6.6 | | | -- | -- | -- | -- | -- | 34 |
| 35 | -- | -- | -- | -- | -- | | | | | 1.9 | 1.0 | 3 | 20 A | MTR | ERV-3 | | 36 |
| 37 | -- | -- | -- | -- | -- | | | 1.9 | 1.0 | | | -- | -- | -- | -- | -- | 38 |
| 39 | | SPARE | -- | 20 A | 1 | | | 0.0 | 1.0 | | | -- | -- | -- | -- | -- | 40 |
| 41 | | SPARE | -- | 20 A | 2 | | | | | 0.0 | 0.0 | 2 | 20 A | -- | SPARE | | 42 |
| 43 | -- | -- | -- | -- | -- | 0.0 | 0.0 | | | | | -- | -- | -- | -- | -- | 44 |
| 45 | | SPARE | -- | 20 A | 2 | | | 0.0 | 0.0 | | | 2 | 20 A | -- | SPARE | | 46 |
| 47 | -- | -- | -- | -- | -- | | | | | 0.0 | 0.0 | -- | -- | -- | -- | -- | 48 |
| 49 | | SPARE | -- | 40 A | 2 | 0.0 | 0.0 | | | | | 2 | 40 A | -- | SPARE | | 50 |
| 51 | -- | -- | -- | -- | -- | | | 0.0 | 0.0 | | | -- | -- | -- | -- | -- | 52 |
| 53 | | SPARE | -- | 20 A | 1 | | | | | 0.0 | 0.0 | 1 | 20 A | -- | SPARE | | 54 |
| | | | | **TOTAL LOAD:** | | 39 kVA | | 38 kVA | | 36 kVA | | | | | | | |
| | | | | **TOTAL AMPS:** | | 325 A | | 317 A | | 302 A | | | | | | | |

| LOAD CLASSIFICATION | CONNECTED | DEMAND | ESTIMATED | PANEL TOTALS | |
|---|---|---|---|---|---|
| MTR | 112738 VA | 104.41% | 117707 VA | | |
| | | | | **CONNECTED LOAD:** | 112738 VA |
| | | | | **ESTIMATED DEMAND:** | 117707 VA |
| | | | | **CONNECTED CURRENT:** | 313 A |
| | | | | **EST. DEMAND CURRENT:** | 327 A |

**Load Types (LT): COOL - Summer Cooling, ELEV- Elevator, EQ - Equipment, EX -Existing, GND - Grounding, HEAT - Winter Heating, KTCH-Kitchen, L MTR - Largest Motor, LTG -Lighting, MTR - Motor, RCPT - Receptacle**
**Breaker Types (BT): AF = Arc Fault, GF = Ground Fault Circuit Interrupt, GE = Ground Fault Equipment Protection (30mA), SH = Shunt Trip, EX = Existing, NX = New Breaker For Existing Panel, M = Metered**

**NOTES:**

## PANELBOARD: CLA11

**LOCATION:** MECH A123 — **VOLTAGE:** 208Y/120 V. 3 ø 4 W.
**MOUNTING:** SURFACE — **A.F.C....** SEE SHORT CIRCUIT STUDY
**MAINS TYPE:** — **SPECIAL:**
**MAINS AMPS:**
**BUS AMPS:**
**FED FROM:** DP-EQA01

| # | BT | LOAD DESCRIPTION | LT | BKR | P | A | | B | | C | | P | BKR | LT | LOAD DESCRIPTION | BT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | A104, A105, A110-A117,... | LTG | 20 A | 1 | 1.2 | 0.2 | | | | | 1 | 20 A | RCPT | AREA A NC REPEATER... | | 2 |
| 3 | | AREA A RES RM NL LTG | LTG | 20 A | 1 | | | 0.1 | 0.2 | | | 1 | 20 A | RCPT | AREA A LIFT RCPT | | 4 |
| 5 | | AREA A NC SIGNS RCPT | RCPT | 20 A | 1 | | | | | 0.5 | 1.1 | 1 | 20 A | RCPT | A111 RCPT | | 6 |
| 7 | | A112 RCPT | RCPT | 20 A | 1 | 0.7 | 1.1 | | | | | 1 | 20 A | RCPT | A116, A117 RCPT | | 8 |
| 9 | | A114, A115 RCPT | RCPT | 20 A | 1 | | | 1.4 | 0.4 | | | 1 | 20 A | RCPT | A116 MED REF RCPT | | 10 |
| 11 | | A117 RCPT | RCPT | 20 A | 1 | | | | | 1.4 | 0.2 | 1 | 20 A | RCPT | AREA A NC WG RCPT | | 12 |
| 13 | | A124 DATA RCPT | RCPT | 20 A | 1 | 0.4 | 1.1 | | | | | 1 | 20 A | RCPT | RES RM A107 RCPT | | 14 |
| 15 | | RES RM A101 RCPT | RCPT | 20 A | 1 | | | 1.1 | 1.1 | | | 1 | 20 A | RCPT | RES RM A108 RCPT | | 16 |
| 17 | | RES RM A102 RCPT | RCPT | 20 A | 1 | | | | | 1.1 | 1.1 | 1 | 20 A | RCPT | RES RM A119 RCPT | | 18 |
| 19 | | RES RM A120 RCPT | RCPT | 20 A | 1 | 1.1 | 1.1 | | | | | 1 | 20 A | RCPT | RES RM A127 RCPT | | 20 |
| 21 | | RES RM A125 RCPT | RCPT | 20 A | 1 | | | 0.0 | 1.1 | | | 1 | 20 A | RCPT | RES RM A128RCPT | | 22 |
| 23 | | RES RM A126RCPT | RCPT | 20 A | 1 | | | | | 1.1 | 1.1 | 1 | 20 A | RCPT | RES RM A129 RCPT | | 24 |
| 25 | | RES RM A130 RCPT | RCPT | 20 A | 1 | 1.1 | 0.0 | | | | | 1 | 20 A | -- | SPARE | | 26 |
| 27 | | SPARE | -- | 20 A | 1 | | | 0.0 | 0.0 | | | 1 | 20 A | -- | SPARE | | 28 |
| 29 | | SPARE | -- | 20 A | 1 | | | | | 0.0 | 0.0 | 1 | 20 A | -- | SPARE | | 30 |
| 31 | | SPARE | -- | 20 A | 1 | 0.0 | 0.0 | | | | | 1 | 20 A | -- | SPARE | | 32 |
| 33 | | SPARE | -- | 20 A | 1 | | | 0.0 | 0.0 | | | 1 | 20 A | -- | SPARE | | 34 |
| 35 | | SPARE | -- | 20 A | 1 | | | | | 0.0 | 0.0 | 1 | 20 A | -- | SPARE | | 36 |
| 37 | | SPARE | -- | 20 A | 1 | 0.0 | 0.0 | | | | | 1 | 20 A | -- | SPARE | | 38 |
| 39 | | SPARE | -- | 20 A | 1 | | | 0.0 | 0.0 | | | 1 | 20 A | -- | SPARE | | 40 |
| 41 | | SPARE | -- | 20 A | 1 | | | | | 0.0 | 0.0 | 1 | 20 A | -- | SPARE | | 42 |
| 43 | | SPARE | -- | 20 A | 1 | 0.0 | 0.0 | | | | | 1 | 20 A | -- | SPARE | | 44 |
| 45 | | SPARE | -- | 20 A | 1 | | | 0.0 | 0.0 | | | 1 | 20 A | -- | SPARE | | 46 |
| 47 | | SPARE | -- | 20 A | 1 | | | | | 0.0 | 0.0 | 1 | 20 A | -- | SPARE | | 48 |
| 49 | | SPARE | -- | 20 A | 1 | 0.0 | 0.0 | | | | | 1 | 20 A | -- | SPARE | | 50 |
| 51 | | SPARE | -- | 15 A | 1 | | | 0.0 | 0.0 | | | 1 | 15 A | -- | SPARE | | 52 |
| 53 | | SPARE | -- | 15 A | 1 | | | | | 0.0 | 0.0 | 1 | 15 A | -- | SPARE | | 54 |
| | | | | **TOTAL LOAD:** | | 8 kVA | | 5 kVA | | 8 kVA | | | | | | | |
| | | | | **TOTAL AMPS:** | | 68 A | | 45 A | | 67 A | | | | | | | |

| LOAD CLASSIFICATION | CONNECTED | DEMAND | ESTIMATED | PANEL TOTALS | |
|---|---|---|---|---|---|
| LTG | 1309 VA | 125.00% | 1636 VA | | |
| RCPT | 19640 VA | 75.46% | 14820 VA | | |
| | | | | **CONNECTED LOAD:** | 20890 VA |
| | | | | **ESTIMATED DEMAND:** | 16385 VA |
| | | | | **CONNECTED CURRENT:** | 58 A |
| | | | | **EST. DEMAND CURRENT:** | 45 A |

**Load Types (LT): COOL - Summer Cooling, ELEV- Elevator, EQ - Equipment, EX -Existing, GND - Grounding, HEAT - Winter Heating, KTCH-Kitchen, L MTR - Largest Motor, LTG -Lighting, MTR - Motor, RCPT - Receptacle**
**Breaker Types (BT): AF = Arc Fault, GF = Ground Fault Circuit Interrupt, GE = Ground Fault Equipment Protection (30mA), SH = Shunt Trip, EX = Existing, NX = New Breaker For Existing Panel, M = Metered**

**NOTES:**

## PANELBOARD: CLB11

**LOCATION:** ELEC B132 — **VOLTAGE:** 208Y/120 V. 3 ø 4 W.
**MOUNTING:** SURFACE — **A.F.C....** SEE SHORT CIRCUIT STUDY
**MAINS TYPE:** — **SPECIAL:**
**MAINS AMPS:**
**BUS AMPS:**
**FED FROM:** DP-EQA01

| # | BT | LOAD DESCRIPTION | LT | BKR | P | A | | B | | C | | P | BKR | LT | LOAD DESCRIPTION | BT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | B113,... | LTG | 20 A | 1 | 0.9 | 0.5 | | | | | 1 | 20 A | RCPT | AREA B NC WG RCPT | | 2 |
| 3 | | AREA B RES RM NL LTG | LTG | 20 A | 1 | | | 0.2 | 0.5 | | | 1 | 20 A | RCPT | AREA B NC REPEATER... | | 4 |
| 5 | | AREA B NC SIGN RCPT | RCPT | 20 A | 1 | | | | | 1.1 | 0.4 | 1 | 20 A | RCPT | B133 DATA RCPT | | 6 |
| 7 | | B135 RCPT | RCPT | 20 A | 1 | 1.4 | 0.4 | | | | | 1 | 20 A | RCPT | B148 RCPT | | 8 |
| 9 | | B142 AB RCPT | RCPT | 20 A | 1 | | | 0.2 | 1.4 | | | 1 | 20 A | RCPT | RES RM B104,B106 RCPT | | 10 |
| 11 | | B142 COFF RCPT | RCPT | 20 A | 1 | | | | | 0.2 | 1.4 | 1 | 20 A | RCPT | RES RM B108,B110 RCPT | | 12 |
| 13 | | RES RM B105,B107 RCPT | RCPT | 20 A | 1 | 1.4 | 1.4 | | | | | 1 | 20 A | RCPT | RES RM B118,B119 RCPT | | 14 |
| 15 | | RES RM B109,B111 RCPT | RCPT | 20 A | 1 | | | 1.4 | 1.4 | | | 1 | 20 A | RCPT | RES RM B120,B122 RCPT | | 16 |
| 17 | | RES RM B112,B144 RCPT | RCPT | 20 A | 1 | | | | | 1.4 | 1.4 | 1 | 20 A | RCPT | RES RM B125,B126 RCPT | | 18 |
| 19 | | RES RM B127,B128 RCPT | RCPT | 20 A | 1 | 1.4 | 2.1 | | | | | 1 | 20 A | RCPT | RES RM B149,B151 RCPT | | 20 |
| 21 | | RES RM B150,B152A... | RCPT | 20 A | 1 | | | 1.4 | 0.7 | | | 1 | 20 A | RCPT | B136, B137 RCPT | | 22 |
| 23 | | B155, B156 RCPT | RCPT | 20 A | 1 | | | | | 0.4 | 0.0 | 1 | 20 A | -- | SPARE | | 24 |
| 25 | | SPARE | -- | 20 A | 1 | 0.0 | 0.0 | | | | | 1 | 20 A | -- | SPARE | | 26 |
| 27 | | SPARE | -- | 20 A | 1 | | | 0.0 | 0.0 | | | 1 | 20 A | -- | SPARE | | 28 |
| 29 | | SPARE | -- | 20 A | 1 | | | | | 0.0 | 0.0 | 1 | 20 A | -- | SPARE | | 30 |
| 31 | | SPARE | -- | 20 A | 1 | 0.0 | 0.0 | | | | | 1 | 20 A | -- | SPARE | | 32 |
| 33 | | SPARE | -- | 20 A | 1 | | | 0.0 | 0.0 | | | 1 | 20 A | -- | SPARE | | 34 |
| 35 | | SPARE | -- | 20 A | 1 | | | | | 0.0 | 0.0 | 1 | 20 A | -- | SPARE | | 36 |
| 37 | | SPARE | -- | 20 A | 1 | 0.0 | 0.0 | | | | | 1 | 20 A | -- | SPARE | | 38 |
| 39 | | SPARE | -- | 20 A | 1 | | | 0.0 | 0.0 | | | 1 | 20 A | -- | SPARE | | 40 |
| 41 | | SPARE | -- | 20 A | 1 | | | | | 0.0 | 0.0 | 1 | 20 A | -- | SPARE | | 42 |
| 43 | | SPARE | -- | 20 A | 1 | 0.0 | 0.0 | | | | | 1 | 20 A | -- | SPARE | | 44 |
| 45 | | SPARE | -- | 20 A | 1 | | | 0.0 | 0.0 | | | 1 | 20 A | -- | SPARE | | 46 |
| 47 | | SPARE | -- | 20 A | 1 | | | | | 0.0 | 0.0 | 1 | 20 A | -- | SPARE | | 48 |
| 49 | | SPARE | -- | 20 A | 1 | 0.0 | 0.0 | | | | | 1 | 20 A | -- | SPARE | | 50 |
| 51 | | SPARE | -- | 15 A | 1 | | | 0.0 | 0.0 | | | 1 | 15 A | -- | SPARE | | 52 |
| 53 | | SPARE | -- | 15 A | 1 | | | | | 0.0 | 0.0 | 1 | 15 A | -- | SPARE | | 54 |
| | | | | **TOTAL LOAD:** | | 10 kVA | | 7 kVA | | 6 kVA | | | | | | | |
| | | | | **TOTAL AMPS:** | | 81 A | | 62 A | | 52 A | | | | | | | |

| LOAD CLASSIFICATION | CONNECTED | DEMAND | ESTIMATED | PANEL TOTALS | |
|---|---|---|---|---|---|
| LTG | 1143 VA | 125.00% | 1428 VA | | |
| RCPT | 21900 VA | 72.83% | 15950 VA | | |
| | | | | **CONNECTED LOAD:** | 22996 VA |
| | | | | **ESTIMATED DEMAND:** | 17322 VA |
| | | | | **CONNECTED CURRENT:** | 64 A |
| | | | | **EST. DEMAND CURRENT:** | 48 A |

**Load Types (LT): COOL - Summer Cooling, ELEV- Elevator, EQ - Equipment, EX -Existing, GND - Grounding, HEAT - Winter Heating, KTCH-Kitchen, L MTR - Largest Motor, LTG -Lighting, MTR - Motor, RCPT - Receptacle**
**Breaker Types (BT): AF = Arc Fault, GF = Ground Fault Circuit Interrupt, GE = Ground Fault Equipment Protection (30mA), SH = Shunt Trip, EX = Existing, NX = New Breaker For Existing Panel, M = Metered**

**NOTES:**

## PANELBOARD: CLC11

**LOCATION:** ELEC C119 — **VOLTAGE:** 208Y/120 V. 3 ø 4 W.
**MOUNTING:** SURFACE — **A.F.C....** SEE SHORT CIRCUIT STUDY
**MAINS TYPE:** — **SPECIAL:**
**MAINS AMPS:**
**BUS AMPS:**
**FED FROM:** DP-EQA01

| # | BT | LOAD DESCRIPTION | LT | BKR | P | A | | B | | C | | P | BKR | LT | LOAD DESCRIPTION | BT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | AREA C NL LTG | LTG | 20 A | 1 | 0.3 | 0.7 | | | | | 1 | 20 A | RCPT | AREA C NC REPEATER... | | 2 |
| 3 | | C118,C119,C121,C125-C... | LTG | 20 A | 1 | | | 1.3 | 0.2 | | | 1 | 20 A | RCPT | AREA C NC WG RCPT | | 4 |
| 5 | | AREA C NC SIGN RCPT | RCPT | 20 A | 1 | | | | | 1.3 | 0.7 | 1 | 20 A | RCPT | AREA C LIFT ALCOVES... | | 6 |
| 7 | | C118 DATA RCPT | RCPT | 20 A | 1 | 0.4 | 0.2 | | | | | 1 | 20 A | RCPT | C123 MED REF RCPT | | 8 |
| 9 | | C121 RCPT | RCPT | 20 A | 1 | | | 1.1 | 0.2 | | | 1 | 20 A | RCPT | C124A REF RCPT | | 10 |
| 11 | | C119, C122, C123 RCPT | RCPT | 20 A | 1 | | | | | 0.9 | 0.2 | 1 | 20 A | RCPT | C124A AB RCPT | | 12 |
| 13 | | C125, C126 RCPT | RCPT | 20 A | 1 | 1.3 | 1.4 | | | | | 1 | 20 A | RCPT | RES RM C102, C103 RCPT | | 14 |
| 15 | | C127 RCPT | RCPT | 20 A | 1 | | | 0.9 | 1.4 | | | 1 | 20 A | RCPT | RES RM C104, C105 RCPT | | 16 |
| 17 | | C127 RCPT | RCPT | 20 A | 1 | | | | | 0.7 | 1.4 | 1 | 20 A | RCPT | RES RM C106, C107 RCPT | | 18 |
| 19 | | RES RM C108, C109 RCPT | RCPT | 20 A | 1 | 1.4 | 0.7 | | | | | 1 | 20 A | RCPT | RES RM C135 RCPT | | 20 |
| 21 | | RES RM C111, C112 RCPT | RCPT | 20 A | 1 | | | 1.4 | 1.4 | | | 1 | 20 A | RCPT | RES RM C137, C138 RCPT | | 22 |
| 23 | | RES RM C132, C133 RCPT | RCPT | 20 A | 1 | | | | | 1.4 | 1.4 | 1 | 20 A | RCPT | RES RM C139, C140 RCPT | | 24 |
| 25 | | RES RM C134 RCPT | RCPT | 20 A | 1 | 1.3 | 1.4 | | | | | 1 | 20 A | RCPT | RES RM C148, C149 RCPT | | 26 |
| 27 | | RES RM C144 RCPT | RCPT | 20 A | 1 | | | 0.7 | 1.4 | | | 1 | 20 A | RCPT | RES RM C150, C151 RCPT | | 28 |
| 29 | | RES RM C146, C147 RCPT | RCPT | 20 A | 1 | | | | | 1.4 | 1.4 | 1 | 20 A | RCPT | RES RM C152, C153 RCPT | | 30 |
| 31 | | SPARE | -- | 20 A | 1 | 0.0 | 0.0 | | | | | 1 | 20 A | -- | SPARE | | 32 |
| 33 | | SPARE | -- | 20 A | 1 | | | 0.0 | 0.0 | | | 1 | 20 A | -- | SPARE | | 34 |
| 35 | | SPARE | -- | 20 A | 1 | | | | | 0.0 | 0.0 | 1 | 20 A | -- | SPARE | | 36 |
| 37 | | SPARE | -- | 20 A | 1 | 0.0 | 0.0 | | | | | 1 | 20 A | -- | SPARE | | 38 |
| 39 | | SPARE | -- | 20 A | 1 | | | 0.0 | 0.0 | | | 1 | 20 A | -- | SPARE | | 40 |
| 41 | | SPARE | -- | 20 A | 1 | | | | | 0.0 | 0.0 | 1 | 20 A | -- | SPARE | | 42 |
| 43 | | SPARE | -- | 20 A | 1 | 0.0 | 0.0 | | | | | 1 | 20 A | -- | SPARE | | 44 |
| 45 | | SPARE | -- | 20 A | 1 | | | 0.0 | 0.0 | | | 1 | 20 A | -- | SPARE | | 46 |
| 47 | | SPARE | -- | 20 A | 1 | | | | | 0.0 | 0.0 | 1 | 20 A | -- | SPARE | | 48 |
| 49 | | SPARE | -- | 20 A | 1 | 0.0 | 0.0 | | | | | 1 | 20 A | -- | SPARE | | 50 |
| 51 | | SPARE | -- | 15 A | 1 | | | 0.0 | 0.0 | | | 1 | 15 A | -- | SPARE | | 52 |
| 53 | | SPARE | -- | 15 A | 1 | | | | | 0.0 | 0.0 | 1 | 15 A | -- | SPARE | | 54 |
| | | | | **TOTAL LOAD:** | | 9 kVA | | 10 kVA | | 11 kVA | | | | | | | |
| | | | | **TOTAL AMPS:** | | 75 A | | 83 A | | 91 A | | | | | | | |

| LOAD CLASSIFICATION | CONNECTED | DEMAND | ESTIMATED | PANEL TOTALS | |
|---|---|---|---|---|---|
| LTG | 1533 VA | 125.00% | 1916 VA | | |
| RCPT | 28100 VA | 67.79% | 19050 VA | | |
| | | | | **CONNECTED LOAD:** | 29561 VA |
| | | | | **ESTIMATED DEMAND:** | 20880 VA |
| | | | | **CONNECTED CURRENT:** | 82 A |
| | | | | **EST. DEMAND CURRENT:** | 58 A |

**Load Types (LT): COOL - Summer Cooling, ELEV- Elevator, EQ - Equipment, EX -Existing, GND - Grounding, HEAT - Winter Heating, KTCH-Kitchen, L MTR - Largest Motor, LTG -Lighting, MTR - Motor, RCPT - Receptacle**
**Breaker Types (BT): AF = Arc Fault, GF = Ground Fault Circuit Interrupt, GE = Ground Fault Equipment Protection (30mA), SH = Shunt Trip, EX = Existing, NX = New Breaker For Existing Panel, M = Metered**

**NOTES:**

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## PANELBOARD: LLA11

**LOCATION:** MECH A123 **VOLTAGE:** 208Y/120 V. 3 ø 4 W.
**MOUNTING:** SURFACE **A.F.C....** SEE SHORT CIRCUIT STUDY
**MAINS TYPE:** **SPECIAL:**
**MAINS AMPS:**
**BUS AMPS:**
**FED FROM:** DP-LSA01

| # | BT | LOAD DESCRIPTION | LT | BKR | P | A | B | C | P | BKR | LT | LOAD DESCRIPTION | BT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | A134 ADO MTR | MTR | 20 A | 1 | 0.5 0.6 | | | 1 | 20 A | LTG | AREA A EGRESS LTG | | 2 |
| 3 | | AREA A ADD ALT ADO | MTR | 20 A | 1 | | 1.0 0.0 | | 1 | 20 A | -- | SPARE | | 4 |
| 5 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 6 |
| 7 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 8 |
| 9 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 10 |
| 11 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 12 |
| 13 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 14 |
| 15 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 16 |
| 17 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 18 |
| 19 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 20 |
| 21 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 22 |
| 23 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 24 |
| 25 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 26 |
| 27 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 28 |
| 29 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 30 |
| | | | | **TOTAL LOAD:** | | 1 kVA | 1 kVA | 0 kVA | | | | | | |
| | | | | **TOTAL AMPS:** | | 10 A | 9 A | 0 A | | | | | | |

| LOAD CLASSIFICATION | CONNECTED | DEMAND | ESTIMATED | PANEL TOTALS | |
|---|---|---|---|---|---|
| LTG | 578 VA | 125.00% | 722 VA | | |
| MTR | 1440 VA | 108.33% | 1560 VA | **CONNECTED LOAD:** | 2008 VA |
| | | | | **ESTIMATED DEMAND:** | 2270 VA |
| | | | | **CONNECTED CURRENT:** | 6 A |
| | | | | **EST. DEMAND CURRENT:** | 6 A |

**Load Types (LT): COOL - Summer Cooling, ELEV- Elevator, EQ - Equipment, EX -Existing, GND - Grounding, HEAT - Winter Heating, KTCH- Kitchen, L MTR - Largest Motor, LTG -Lighting, MTR - Motor, RCPT - Receptacle**
**Breaker Types (BT): AF = Arc Fault, GF = Ground Fault Circuit Interrupt, GE = Ground Fault Equipment Protection (30mA), SH = Shunt Trip, EX = Existing, NX = New Breaker For Existing Panel, M = Metered**

**NOTES:**

## PANELBOARD: LLB11

**LOCATION:** ELEC B132 **VOLTAGE:** 208Y/120 V. 3 ø 4 W.
**MOUNTING:** SURFACE **A.F.C....** SEE SHORT CIRCUIT STUDY
**MAINS TYPE:** **SPECIAL:**
**MAINS AMPS:**
**BUS AMPS:**
**FED FROM:** DP-LSA01

| # | BT | LOAD DESCRIPTION | LT | BKR | P | A | B | C | P | BKR | LT | LOAD DESCRIPTION | BT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | AREA B EGRESS LTG | LTG | 20 A | 1 | 0.7 0.2 | | | 1 | 20 A | LTG | EXTERIOR CANOPY LTG | | 2 |
| 3 | | B157, B157A ADO MTR | MTR | 20 A | 1 | | 1.0 0.0 | | 1 | 20 A | -- | SPARE | | 4 |
| 5 | | B100, B100A ADO MTR | MTR | 20 A | 1 | | | 1.0 0.0 | 1 | 20 A | -- | SPARE | | 6 |
| 7 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 8 |
| 9 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 10 |
| 11 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 12 |
| 13 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 14 |
| 15 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 16 |
| 17 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 18 |
| 19 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 20 |
| 21 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 22 |
| 23 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 24 |
| 25 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 26 |
| 27 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 28 |
| 29 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 30 |
| | | | | **TOTAL LOAD:** | | 1 kVA | 1 kVA | 1 kVA | | | | | | |
| | | | | **TOTAL AMPS:** | | 8 A | 8 A | 8 A | | | | | | |

| LOAD CLASSIFICATION | CONNECTED | DEMAND | ESTIMATED | PANEL TOTALS | |
|---|---|---|---|---|---|
| LTG | 911 VA | 125.00% | 1139 VA | | |
| MTR | 1920 VA | 106.25% | 2040 VA | **CONNECTED LOAD:** | 2808 VA |
| | | | | **ESTIMATED DEMAND:** | 3151 VA |
| | | | | **CONNECTED CURRENT:** | 8 A |
| | | | | **EST. DEMAND CURRENT:** | 9 A |

**Load Types (LT): COOL - Summer Cooling, ELEV- Elevator, EQ - Equipment, EX -Existing, GND - Grounding, HEAT - Winter Heating, KTCH- Kitchen, L MTR - Largest Motor, LTG -Lighting, MTR - Motor, RCPT - Receptacle**
**Breaker Types (BT): AF = Arc Fault, GF = Ground Fault Circuit Interrupt, GE = Ground Fault Equipment Protection (30mA), SH = Shunt Trip, EX = Existing, NX = New Breaker For Existing Panel, M = Metered**

**NOTES:**

## PANELBOARD: LLC11

**LOCATION:** ELEC C119 **VOLTAGE:** 208Y/120 V. 3 ø 4 W.
**MOUNTING:** SURFACE **A.F.C....** SEE SHORT CIRCUIT STUDY
**MAINS TYPE:** **SPECIAL:**
**MAINS AMPS:**
**BUS AMPS:**
**FED FROM:** DP-LSA01

| # | BT | LOAD DESCRIPTION | LT | BKR | P | A | B | C | P | BKR | LT | LOAD DESCRIPTION | BT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | AREA C EGRESS LTG | LTG | 20 A | 1 | 0.7 0.5 | | | 1 | 20 A | MTR | C141 ADO MTR | | 2 |
| 3 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 4 |
| 5 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 6 |
| 7 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 8 |
| 9 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 10 |
| 11 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 12 |
| 13 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 14 |
| 15 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 16 |
| 17 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 18 |
| 19 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 20 |
| 21 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 22 |
| 23 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 24 |
| 25 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 26 |
| 27 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 28 |
| 29 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 30 |
| | | | | **TOTAL LOAD:** | | 1 kVA | 0 kVA | 0 kVA | | | | | | |
| | | | | **TOTAL AMPS:** | | 10 A | 0 A | 0 A | | | | | | |

| LOAD CLASSIFICATION | CONNECTED | DEMAND | ESTIMATED | PANEL TOTALS | |
|---|---|---|---|---|---|
| LTG | 747 VA | 125.00% | 934 VA | | |
| MTR | 480 VA | 125.00% | 600 VA | **CONNECTED LOAD:** | 1224 VA |
| | | | | **ESTIMATED DEMAND:** | 1530 VA |
| | | | | **CONNECTED CURRENT:** | 3 A |
| | | | | **EST. DEMAND CURRENT:** | 4 A |

**Load Types (LT): COOL - Summer Cooling, ELEV- Elevator, EQ - Equipment, EX -Existing, GND - Grounding, HEAT - Winter Heating, KTCH- Kitchen, L MTR - Largest Motor, LTG -Lighting, MTR - Motor, RCPT - Receptacle**
**Breaker Types (BT): AF = Arc Fault, GF = Ground Fault Circuit Interrupt, GE = Ground Fault Equipment Protection (30mA), SH = Shunt Trip, EX = Existing, NX = New Breaker For Existing Panel, M = Metered**

**NOTES:**

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_R23.rvt
Central: https://a360.autodesk.com/view/model/dbd1e4e0-4ea1-4f67-b4ca-bdcb2f2f4d4d?version=1&hubId=a.YnVzaW5lc3M6YXV0b2Rlc2sjMjAxNzAwMDAwMDAwMDAwMA
8/11/2025 3:56:12 AM

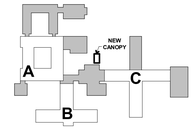
E

**Nelson Care Center Renovation**

420 12th Ave E,
Alexandria, MN 56308

**Vivie**
2209 Jefferson St. Suite 201
Alexandria, MN 56308

**WOLD ARCHITECTS AND ENGINEERS**
50 South 6th Street, Suite 2250
Minneapolis, Minnesota 55402
woldae.com | 612 772 9025




KEY PLAN

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**

**SITHA CHHUM**
License Number: **54883** Date **08/29/2025**

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #2** | **2025-09-11** | **1** |

Comm: **246040**
Date: **08/29/2025**
Drawn: **H. Nelson**
Check: **S. Chhum**

# PANEL SCHEDULES

Scale:

# E6.12

MN

## PANELBOARD: NLA11

**LOCATION:** MECH A123
**MOUNTING:** SURFACE
**MAINS TYPE:**
**MAINS AMPS:**
**BUS AMPS:**
**FED FROM:** DP-DLA01

**VOLTAGE:** 208Y/120 V. 3 ø 4 W.
**A.F.C....** SEE SHORT CIRCUIT STUDY
**SPECIAL:**

| # | BT | LOAD DESCRIPTION | LT | BKR | P | A | B | C | P | BKR | LT | LOAD DESCRIPTION | BT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | A103, A106, A109 ,A110,... | LTG | 20 A | 1 | 1.1 1.1 | | | 1 | 20 A | LTG | RES RM A119, A120 LTG | | 2 |
| 3 | | RES RM A102, A108 LTG | LTG | 20 A | 1 | | 1.1 1.1 | | 1 | 20 A | LTG | RES RM A125, A126 LTG | | 4 |
| 5 | | RES RM A101, A107 LTG | LTG | 20 A | 1 | | | 1.1 1.1 | 1 | 20 A | LTG | RES RM A127, A128 LTG | | 6 |
| 7 | | A100, A104 RCPT | RCPT | 20 A | 1 | 0.5 1.1 | | | 1 | 20 A | LTG | RES RM A129, A130 LTG | | 8 |
| 9 | | A118, A122 RCPT | RCPT | 20 A | 1 | | 1.6 0.2 | | 1 | 20 A | RCPT | A110 SPA TUB RCPT | | 10 |
| 11 | | A110 WARMER RCPT | RCPT | 20 A | 1 | | | 0.2 0.4 | 1 | 20 A | RCPT | SPA A110 RCPT | | 12 |
| 13 | | A110 SCALE | Other | 20 A | 1 | 0.0 1.3 | | | 1 | 20 A | RCPT | RES RM A101 RCPT | | 14 |
| 15 | | A111-A115, A117 RCPT | RCPT | 20 A | 1 | | 1.3 1.3 | | 1 | 20 A | RCPT | RES RM A102 RCPT | | 16 |
| 17 | | A124 DATA RCPT | RCPT | 20 A | 1 | | | 0.4 1.3 | 1 | 20 A | RCPT | RES RM A107 RCPT | | 18 |
| 19 | | RES RM A108 RCPT | RCPT | 20 A | 1 | 1.3 0.0 | | | 1 | 20 A | RCPT | RES RM A125 RCPT | | 20 |
| 21 | | RES RM A119 RCPT | RCPT | 20 A | 1 | | 1.3 1.3 | | 1 | 20 A | RCPT | RES RM A126 RCPT | | 22 |
| 23 | | RES RM A120 RCPT | RCPT | 20 A | 1 | | | 1.3 0.0 | 1 | 20 A | RCPT | RES RM A127 RCPT | | 24 |
| 25 | | RES RM A128 RCPT | RCPT | 20 A | 1 | 1.3 0.0 | | | 1 | 20 A | -- | SPARE | | 26 |
| 27 | | RES RM A129 RCPT | RCPT | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 28 |
| 29 | | RES RM A130 RCPT | RCPT | 20 A | 1 | | | 1.3 0.0 | 1 | 20 A | -- | SPARE | | 30 |
| 31 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 32 |
| 33 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 34 |
| 35 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 36 |
| 37 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 38 |
| 39 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 40 |
| 41 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 42 |
| 43 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 44 |
| 45 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 46 |
| 47 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 48 |
| 49 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 50 |
| 51 | | SPARE | -- | 15 A | 1 | | 0.0 0.0 | | 1 | 15 A | -- | SPARE | | 52 |
| 53 | | SPARE | -- | 15 A | 1 | | | 0.0 0.0 | 1 | 15 A | -- | SPARE | | 54 |
| | | | **TOTAL LOAD:** | | | 8 kVA | 9 kVA | 7 kVA | | | | | | |
| | | | **TOTAL AMPS:** | | | 65 A | 77 A | 58 A | | | | | | |

| LOAD CLASSIFICATION | CONNECTED | DEMAND | ESTIMATED | PANEL TOTALS | |
|---|---|---|---|---|---|
| LTG | 7660 VA | 125.00% | 9575 VA | | |
| Other | 0 VA | 0.00% | 0 VA | **CONNECTED LOAD:** | 23808 VA |
| RCPT | 16160 VA | 80.94% | 13080 VA | **ESTIMATED DEMAND:** | 22642 VA |
| | | | | **CONNECTED CURRENT:** | 66 A |
| | | | | **EST. DEMAND CURRENT:** | 63 A |

**Load Types (LT): COOL - Summer Cooling, ELEV- Elevator, EQ - Equipment, EX -Existing, GND - Grounding, HEAT - Winter Heating, KTCH- Kitchen, L MTR - Largest Motor, LTG -Lighting, MTR - Motor, RCPT - Receptacle**
**Breaker Types (BT): AF = Arc Fault, GF = Ground Fault Circuit Interrupt, GE = Ground Fault Equipment Protection (30mA), SH = Shunt Trip, EX = Existing, NX = New Breaker For Existing Panel, M = Metered**

**NOTES:**

## PANELBOARD: NLB11

**LOCATION:** ELEC B132
**MOUNTING:** SURFACE
**MAINS TYPE:**
**MAINS AMPS:**
**BUS AMPS:**
**FED FROM:** MDC

**VOLTAGE:** 208Y/120 V. 3 ø 4 W.
**A.F.C....** SEE SHORT CIRCUIT STUDY
**SPECIAL:**

| # | BT | LOAD DESCRIPTION | LT | BKR | P | A | B | C | P | BKR | LT | LOAD DESCRIPTION | BT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | B101, B129, B143 LTG | LTG | 20 A | 1 | 0.8 1.2 | | | 1 | 20 A | LTG | B149 - B151 RES RM LTG | | 2 |
| 3 | | B101- B103, B115, B116,... | LTG | 20 A | 1 | | 1.1 1.2 | | 1 | 20 A | LTG | B144, B146-B147 RES RM | | 4 |
| 5 | | B139,B140,B145,B148,B1... | LTG | 20 A | 1 | | | 1.3 1.2 | 1 | 20 A | LTG | B104 - B106 RES RM LTG | | 6 |
| 7 | | B107 - B109 RES RM LTG | LTG | 20 A | 1 | 1.2 1.2 | | | 1 | 20 A | LTG | B122, B125-B126 RES RM | | 8 |
| 9 | | B110 - B112 RES RM LTG | LTG | 20 A | 1 | | 1.2 0.8 | | 1 | 20 A | LTG | B127 - B128 RES RM LTG | | 10 |
| 11 | | B118 - B120 RES RM LTG | LTG | 20 A | 1 | | | 1.2 0.4 | 1 | 20 A | LTG | B152/B152A CARE SUITE... | | 12 |
| 13 | | B101, B129 RCPT | RCPT | 20 A | 1 | 1.4 0.7 | | | 1 | 20 A | RCPT | B135, B136 RCPT | | 14 |
| 15 | | B143 RCPT | RCPT | 20 A | 1 | | 0.9 0.7 | | 1 | 20 A | RCPT | B133, B139 RCPT | | 16 |
| 17 | | B102,B103,B113-B117... | RCPT | 20 A | 1 | | | 1.1 0.0 | 1 | 20 A | Other | B139 SCALE | | 18 |
| 19 | | B142 AB RCPT | RCPT | 20 A | 1 | 0.2 0.2 | | | 1 | 20 A | RCPT | B142 COFF RCPT | | 20 |
| 21 | | B133 DATA RCPT | RCPT | 20 A | 1 | | 0.4 0.7 | | 1 | 20 A | RCPT | B148 RCPT | | 22 |
| 23 | | B145 RCPT | RCPT | 20 A | 1 | | | 0.5 1.1 | 1 | 20 A | RCPT | RES RM B104 RCPT | | 24 |
| 25 | | RES RM B105 RCPT | RCPT | 20 A | 1 | 1.1 1.1 | | | 1 | 20 A | RCPT | RES RM B108 RCPT | | 26 |
| 27 | | RES RM B106 RCPT | RCPT | 20 A | 1 | | 1.1 1.1 | | 1 | 20 A | RCPT | RES RM B109 RCPT | | 28 |
| 29 | | RES RM B107 RCPT | RCPT | 20 A | 1 | | | 1.1 1.1 | 1 | 20 A | RCPT | RES RM B110 RCPT | | 30 |
| 31 | | RES RM B111 RCPT | RCPT | 20 A | 1 | 1.1 1.1 | | | 1 | 20 A | RCPT | RES RM B119 RCPT | | 32 |
| 33 | | RES RM B112 RCPT | RCPT | 20 A | 1 | | 1.1 1.1 | | 1 | 20 A | RCPT | RES RM B120 RCPT | | 34 |
| 35 | | RES RM B118 RCPT | RCPT | 20 A | 1 | | | 1.1 1.1 | 1 | 20 A | RCPT | RES RM B122 RCPT | | 36 |
| 37 | | RES RM B125 RCPT | RCPT | 20 A | 1 | 1.1 1.1 | | | 1 | 20 A | RCPT | RES RM B128 RCPT | | 38 |
| 39 | | RES RM B126 RCPT | RCPT | 20 A | 1 | | 1.1 1.1 | | 1 | 20 A | RCPT | RES RM B144 RCPT | | 40 |
| 41 | | RES RM B127 RCPT | RCPT | 20 A | 1 | | | 1.1 1.1 | 1 | 20 A | RCPT | RES RM B146 RCPT | | 42 |
| 43 | | RES RM B147 RCPT | RCPT | 20 A | 1 | 1.1 1.1 | | | 1 | 20 A | RCPT | RES RM B149 RCPT | | 44 |
| 45 | | RES RM B151 RCPT | RCPT | 20 A | 1 | | 1.1 0.7 | | 1 | 20 A | RCPT | B152A RCPT | | 46 |
| 47 | | RES RM B150 RCPT | RCPT | 20 A | 1 | | | 1.1 0.9 | 1 | 20 A | RCPT | B152 RCPT | | 48 |
| 49 | | B152 AB RCPT | RCPT | 20 A | 1 | 0.2 0.4 | | | 1 | 20 A | RCPT | B155, B156 RCPT | | 50 |
| 51 | | B152 UC REF RCPT | RCPT | 20 A | 1 | | 0.2 0.2 | | 1 | 20 A | RCPT | RCPT | | 52 |
| 53 | | B152 MW REF RCPT | RCPT | 20 A | 1 | | | 0.2 0.0 | 1 | 20 A | -- | SPARE | | 54 |
| 55 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 56 |
| 57 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 58 |
| 59 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 60 |
| 61 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 62 |
| 63 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 64 |
| 65 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 66 |
| 67 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 68 |
| 69 | | SPARE | -- | 15 A | 1 | | 0.0 0.0 | | 1 | 15 A | -- | SPARE | | 70 |
| 71 | | SPARE | -- | 15 A | 1 | | | 0.0 0.0 | 1 | 15 A | -- | SPARE | | 72 |
| | | | **TOTAL LOAD:** | | | 16 kVA | 16 kVA | 15 kVA | | | | | | |
| | | | **TOTAL AMPS:** | | | 136 A | 131 A | 129 A | | | | | | |

| LOAD CLASSIFICATION | CONNECTED | DEMAND | ESTIMATED | PANEL TOTALS | |
|---|---|---|---|---|---|
| LTG | 12670 VA | 125.00% | 15837 VA | | |
| Other | 0 VA | 0.00% | 0 VA | **CONNECTED LOAD:** | 47437 VA |
| RCPT | 34820 VA | 64.36% | 22410 VA | **ESTIMATED DEMAND:** | 38195 VA |
| | | | | **CONNECTED CURRENT:** | 132 A |
| | | | | **EST. DEMAND CURRENT:** | 106 A |

**Load Types (LT): COOL - Summer Cooling, ELEV- Elevator, EQ - Equipment, EX -Existing, GND - Grounding, HEAT - Winter Heating, KTCH- Kitchen, L MTR - Largest Motor, LTG -Lighting, MTR - Motor, RCPT - Receptacle**
**Breaker Types (BT): AF = Arc Fault, GF = Ground Fault Circuit Interrupt, GE = Ground Fault Equipment Protection (30mA), SH = Shunt Trip, EX = Existing, NX = New Breaker For Existing Panel, M = Metered**

**NOTES:**

## PANELBOARD: NLB12

**LOCATION:** ELEC B132
**MOUNTING:** SURFACE
**MAINS TYPE:**
**MAINS AMPS:**
**BUS AMPS:**
**FED FROM:** MDC

**VOLTAGE:** 208Y/120 V. 3 ø 4 W.
**A.F.C....** SEE SHORT CIRCUIT STUDY
**SPECIAL:**

| # | BT | LOAD DESCRIPTION | LT | BKR | P | A | B | C | P | BKR | LT | LOAD DESCRIPTION | BT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 2 |
| 3 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 4 |
| 5 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 6 |
| 7 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 8 |
| 9 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 10 |
| 11 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 12 |
| 13 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 14 |
| 15 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 16 |
| 17 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 18 |
| 19 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 20 |
| 21 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 22 |
| 23 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 24 |
| 25 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 26 |
| 27 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 28 |
| 29 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 30 |
| 31 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 32 |
| 33 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 34 |
| 35 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 36 |
| 37 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 38 |
| 39 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 40 |
| 41 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 42 |
| 43 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 44 |
| 45 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 46 |
| 47 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 48 |
| 49 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 50 |
| 51 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 52 |
| 53 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 54 |
| | | | **TOTAL LOAD:** | | | 0 kVA | 0 kVA | 0 kVA | | | | | | |
| | | | **TOTAL AMPS:** | | | 0 A | 0 A | 0 A | | | | | | |

| LOAD CLASSIFICATION | CONNECTED | DEMAND | ESTIMATED | PANEL TOTALS | |
|---|---|---|---|---|---|
| | | | | | |
| | | | | **CONNECTED LOAD:** | 0 VA |
| | | | | **ESTIMATED DEMAND:** | 0 VA |
| | | | | **CONNECTED CURRENT:** | 0 A |
| | | | | **EST. DEMAND CURRENT:** | 0 A |

**Load Types (LT): COOL - Summer Cooling, ELEV- Elevator, EQ - Equipment, EX -Existing, GND - Grounding, HEAT - Winter Heating, KTCH- Kitchen, L MTR - Largest Motor, LTG -Lighting, MTR - Motor, RCPT - Receptacle**
**Breaker Types (BT): AF = Arc Fault, GF = Ground Fault Circuit Interrupt, GE = Ground Fault Equipment Protection (30mA), SH = Shunt Trip, EX = Existing, NX = New Breaker For Existing Panel, M = Metered**

**NOTES:**

## PANELBOARD: NLC11

**LOCATION:** ELEC C119
**MOUNTING:** SURFACE
**MAINS TYPE:**
**MAINS AMPS:**
**BUS AMPS:**
**FED FROM:** MDC

**VOLTAGE:** 208Y/120 V. 3 ø 4 W.
**A.F.C....** SEE SHORT CIRCUIT STUDY
**SPECIAL:**

| # | BT | LOAD DESCRIPTION | LT | BKR | P | A | B | C | P | BKR | LT | LOAD DESCRIPTION | BT | # |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | C102-C104 RES RM LTG | LTG | 20 A | 1 | 1.2 1.2 | | | 1 | 20 A | LTG | C105-C107 RES RM LTG | | 2 |
| 3 | | C108,C109,C112 RES RM | LTG | 20 A | 1 | | 1.2 0.9 | | 1 | 20 A | LTG | C134,C138 RES RM LTG | | 4 |
| 5 | | C132,C133,C135 RES RM | LTG | 20 A | 1 | | | 1.2 1.2 | 1 | 20 A | LTG | C137,C139,C140 RES RM | | 6 |
| 7 | | C144,C146,C147 RES RM | LTG | 20 A | 1 | 1.2 0.9 | | | 1 | 20 A | LTG | C100,C120,C130,C142 LTG | | 8 |
| 9 | | C148-C150 RES RM LTG | LTG | 20 A | 1 | | 1.2 1.1 | | 1 | 20 A | LTG | C100,C101,C120,C126A,C1... | | 10 |
| 11 | | C151-C153 RES RM LTG | LTG | 20 A | 1 | | | 1.2 0.4 | 1 | 20 A | LTG | C110/C111 CARE SUITE LTG | | 12 |
| 13 | | C124,C124A,C131,C154 | LTG | 20 A | 1 | 0.5 0.4 | | | 1 | 20 A | RCPT | C118 DATA RCPT | | 14 |
| 15 | | C100, C120, C130 CRCPT | RCPT | 20 A | 1 | | 1.4 1.1 | | 1 | 20 A | RCPT | C118,C121,C122,C125,C126 | | 16 |
| 17 | | C142 RCPT | RCPT | 20 A | 1 | | | 0.7 0.2 | 1 | 20 A | RCPT | C124A AB RCPT | | 18 |
| 19 | | C124A AB RCPT | RCPT | 20 A | 1 | 0.2 0.4 | | | 1 | 20 A | RCPT | C131 RCPT | | 20 |
| 21 | | C124,C127,C129 RCPT | RCPT | 20 A | 1 | | 0.9 1.1 | | 1 | 20 A | RCPT | RES RM C102 RCPT | | 22 |
| 23 | | C131 RCPT | RCPT | 20 A | 1 | | | 0.4 1.1 | 1 | 20 A | RCPT | RES RM C103 RCPT | | 24 |
| 25 | | RES RM C104 RCPT | RCPT | 20 A | 1 | 1.1 1.1 | | | 1 | 20 A | RCPT | RES RM C107 RCPT | | 26 |
| 27 | | RES RM C105 RCPT | RCPT | 20 A | 1 | | 1.1 1.1 | | 1 | 20 A | RCPT | RES RM C108 RCPT | | 28 |
| 29 | | RES RM C106 RCPT | RCPT | 20 A | 1 | | | 1.1 1.1 | 1 | 20 A | RCPT | RES RM C109 RCPT | | 30 |
| 31 | | RES RM C112 RCPT | RCPT | 20 A | 1 | 1.1 1.1 | | | 1 | 20 A | RCPT | RES RM C135 RCPT | | 32 |
| 33 | | RES RM C132 RCPT | RCPT | 20 A | 1 | | 1.1 1.1 | | 1 | 20 A | RCPT | RES RM C137 RCPT | | 34 |
| 35 | | RES RM C133 RCPT | RCPT | 20 A | 1 | | | 1.1 1.1 | 1 | 20 A | RCPT | RES RM C138 RCPT | | 36 |
| 37 | | RES RM C139 RCPT | RCPT | 20 A | 1 | 1.1 1.1 | | | 1 | 20 A | RCPT | RES RM C146 RCPT | | 38 |
| 39 | | RES RM C140 RCPT | RCPT | 20 A | 1 | | 1.1 1.1 | | 1 | 20 A | RCPT | RES RM C147 RCPT | | 40 |
| 41 | | RES RM C144 RCPT | RCPT | 20 A | 1 | | | 1.1 1.1 | 1 | 20 A | RCPT | RES RM C148 RCPT | | 42 |
| 43 | | RES RM C149 RCPT | RCPT | 20 A | 1 | 1.1 1.1 | | | 1 | 20 A | RCPT | RES RM C152 RCPT | | 44 |
| 45 | | RES RM C150 RCPT | RCPT | 20 A | 1 | | 1.1 1.1 | | 1 | 20 A | RCPT | RES RM C153 RCPT | | 46 |
| 47 | | RES RM C151 RCPT | RCPT | 20 A | 1 | | | 1.1 0.9 | 1 | 20 A | RCPT | RES RM C134 RCPT | | 48 |
| 49 | | RES RM C134 RCPT | RCPT | 20 A | 1 | 0.9 0.2 | | | 1 | 20 A | RCPT | C110 AB RCPT | | 50 |
| 51 | | C111 RCPT | RCPT | 20 A | 1 | | 1.1 0.2 | | 1 | 20 A | RCPT | C110 MW RCPT | | 52 |
| 53 | | C110 RCPT | RCPT | 20 A | 1 | | | 0.9 0.2 | 1 | 20 A | RCPT | C110 UC REF RCPT | | 54 |
| 55 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 56 |
| 57 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 58 |
| 59 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 60 |
| 61 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 62 |
| 63 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 64 |
| 65 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 66 |
| 67 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 68 |
| 69 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 70 |
| 71 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 72 |
| 73 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 74 |
| 75 | | SPARE | -- | 20 A | 1 | | 0.0 0.0 | | 1 | 20 A | -- | SPARE | | 76 |
| 77 | | SPARE | -- | 20 A | 1 | | | 0.0 0.0 | 1 | 20 A | -- | SPARE | | 78 |
| 79 | | SPARE | -- | 20 A | 1 | 0.0 0.0 | | | 1 | 20 A | -- | SPARE | | 80 |
| 81 | | SPARE | -- | 15 A | 1 | | 0.0 0.0 | | 1 | 15 A | -- | SPARE | | 82 |
| 83 | | SPARE | -- | 15 A | 1 | | | 0.0 0.0 | 1 | 15 A | -- | SPARE | | 84 |
| | | | **TOTAL LOAD:** | | | 16 kVA | 19 kVA | 16 kVA | | | | | | |
| | | | **TOTAL AMPS:** | | | 131 A | 158 A | 134 A | | | | | | |

| LOAD CLASSIFICATION | CONNECTED | DEMAND | ESTIMATED | PANEL TOTALS | |
|---|---|---|---|---|---|
| LTG | 13222 VA | 125.00% | 16528 VA | | |
| RCPT | 37480 VA | 63.34% | 23740 VA | **CONNECTED LOAD:** | 50672 VA |
| | | | | **ESTIMATED DEMAND:** | 40237 VA |
| | | | | **CONNECTED CURRENT:** | 141 A |
| | | | | **EST. DEMAND CURRENT:** | 112 A |

**Load Types (LT): COOL - Summer Cooling, ELEV- Elevator, EQ - Equipment, EX -Existing, GND - Grounding, HEAT - Winter Heating, KTCH- Kitchen, L MTR - Largest Motor, LTG -Lighting, MTR - Motor, RCPT - Receptacle**
**Breaker Types (BT): AF = Arc Fault, GF = Ground Fault Circuit Interrupt, GE = Ground Fault Equipment Protection (30mA), SH = Shunt Trip, EX = Existing, NX = New Breaker For Existing Panel, M = Metered**

**NOTES:**

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_R.rvt Thursday, August 28, 2025 8:17:10 AM
Central: C:\Users\sithachhum\Documents\Revit\MEP\Nelson\246040-Nelson Care v.2 Hayner Tschaekel\Central
Local: C:\Users\sithachhum\Documents\Revit\MEP\Nelson\246040-Nelson Care v.2 Hayner Tschaekel\Central sithachhum 8/19/2025 8:06:16 AM

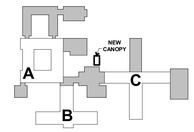
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**Nelson Care Center Renovation**

420 12th Ave E,
Alexandria, MN 56308

**Vivie**
2209 Jefferson St. Suite 201
Alexandria, MN 56308

**WOLD ARCHITECTS AND ENGINEERS**
50 South 6th Street, Suite 2250
Minneapolis, Minnesota 55402
woldae.com | 612 772 9025




KEY PLAN

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**

**SITHA CHHUM**
License Number: **54883** Date: **08/29/2025**

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #2** | **2025-09-11** | **1** |

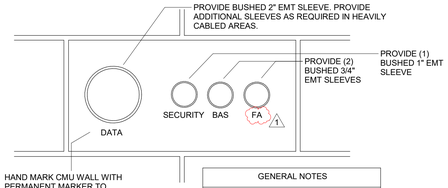
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Date: **08/29/2025**
Drawn: **H. Nelson**
Check: **S. Chhum**

# PANEL SCHEDULES

Scale:

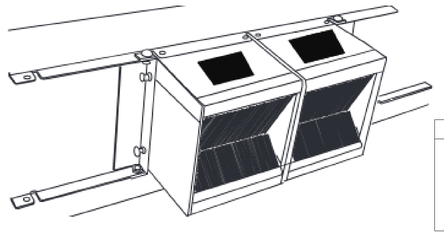
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MN



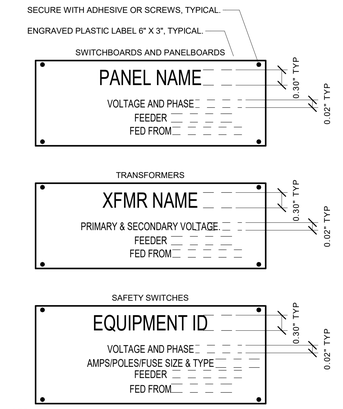

| GENERAL NOTES |
|---|
| • PROVIDE FIRE AND SOUND CANCELING AT EACH CONDUIT AT COMPLETION OF CABLING.<br>• CENTER IN CMU BLOCK ABOVE DOOR WHEN APPLICABLE.<br>• PROVIDE ADDITIONAL OR LARGER CONDUITS AS NEEDED TO MAINTAIN MINIMUM 40% FILL. |

## B3 CABLING SLEEVES DETAIL - TYPICAL
N.T.S.



| GENERAL NOTES |
|---|
| • PROVIDE MINIMUM (3) 4" SLEEVES FOR EACH NEW DATA CLOSET.<br>• PROVIDE MINIMUM (2) 4" SLEEVES FOR MAIN RUNS TO ACCOMMODATE SEPARATION OF SECURITY AND DATA CABLING.<br>• PROVIDE ADDITIONAL OR LARGER CONDUITS AS NEEDED TO MAINTAIN MINIMUM 40% FILL. |

## 1 LARGE PATHWAY SLEEVES
N.T.S.




NOTE
A. PROVIDE LABELS FOR ALL ELECTRICAL EQUIPMENTS BEING INSTALLED, INCLUDING SWITCHBOARDS, PANELBOARDS, SAFETY SWITCHES, TRANSFORMERS, ETC.
B. FEEDER TO BE IN THE FOLLOWING FORM: (1) 1/2"C, 2#12+1#12G.
C. PROVIDE WHITE LETTERS ON BLACK BACKGROUND FOR EQUIPMENT ON NORMAL POWER.
D. PROVIDE WHITE LETTERS ON RED BACKGROUND FOR EQUIPMENT ON EMERGENCY POWER.
E. VERIFY ACCURACY OF ALL INFORMATION WITH ENGINEER PRIOR TO FABRICATION.

## C5 EQUIPMENT LABELS
N.T.S.

**PANELNAME: NAME**

| CKT# | LOAD DISCRIPTION | AMPS | CKT# | LOAD DISCRIPTION | AMPS |
|---|---|---|---|---|---|
| 1 | | | 2 | | |
| 3 | | | 4 | | |
| 5 | | | 6 | | |
| 7 | | | 8 | | |
| 9 | | | 10 | | |
| 11 | | | 12 | | |
| 13 | | | 14 | | |
| 15 | | | 16 | | |
| 17 | | | 18 | | |
| 19 | | | 20 | | |
| 21 | | | 22 | | |
| 23 | | | 24 | | |
| 25 | | | 26 | | |
| 27 | | | 28 | | |
| 29 | | | 30 | | |
| 31 | | | 32 | | |
| 33 | | | 34 | | |
| 35 | | | 36 | | |
| 37 | | | 38 | | |
| 39 | | | 40 | | |
| 41 | | | 42 | | |

| | | |
|---|---|---|
| **BUS AMPS AND VOLTAGE:** | 200A, 277/480V, 3PH, 4W | **NOTES:** |
| **# POLES:** 42 | **MAIN/LUGS:** MLO/FTL | |
| | | |
| **MFR AND SERIES #:** | TBD | |
| **KAIC RATING:** | 42,000A | |
| **MAX AVAILABLE FAULT CURRENT:** | 23,914 | |
| **DATE OF FAULT STUDY:** | 3/20/2015 | |
| **FEEDER SIZE/TYPE:** | (1) 2"C, 4#3/0 CU, + 1#6G | |
| **FEEDER LENGTH:** | 30'-0" | |
| **PANELBOARD LOCATION:** | ELEC A109 | |
| | | |
| **FEEDER PROTECTION** | | |
| **BREAKER TYPE:** | NA | |
| **FRAME/TRIP:** | NA / NA | |
| **FUSIBLE SWITCH:** | 200A/3P WITH 200A RK-1 FUSES | |
| **SOURCE NAME:** | MSB1 | |
| **SOURCE LOCATION:** | ELEC A109 | |
| | | |
| **INSTALL DATE:** | 3/20/2015 | **REVISION DATE:** NA |
| **CONTRACTOR INFO:** | ELECTRICAL CONTRACTOR<br>STREET NUMBER & NAME / P.O. BOX<br>CITY, STATE, ZIPCODE | |

GENERAL NOTES:
1. PROVIDE 8X11 PANEL DIRECTORY IN 8X11 PLASTIC SLEEVE. SECURE SLEEVE TO INSIDE COVER OF PANELBOARD WITH APPROPRIATE MATERIALS.
2. FREE EXCEL TEMPLATE IS AVAILABLE UPON REQUEST FROM ENGINEER FOR CONTRACTOR'S USE.
3. COORDINATE WITH ENGINEER FOR FAULT CURRENT AND DATE OF STUDY.
4. DOCUMENT ACCURATE FEEDER LENGTHS (WITHIN 10') AS BEST POSSIBLE.
5. SUBMIT FINAL COPY OF EACH DIRECTORY AS PART OF O&M MANUAL.

## 2 PANEL DIRECTORY
N.T.S.

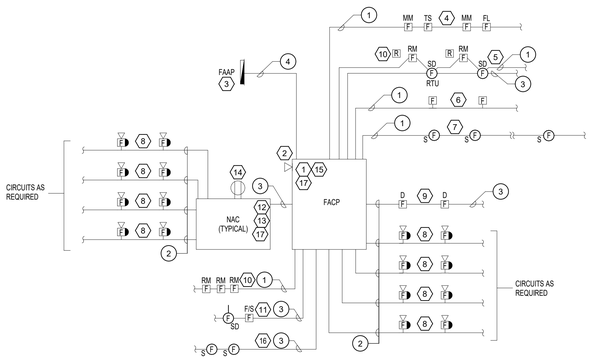
| SEQUENCE OF OPERATION | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| INPUT / OUTPUT MATRIX | INPUT CONDITION | SPRINKLER FLOW | SMOKE / HEAT DETECTOR | PULL STATION | SPRINKLER TAMPER AND FLOW | DUCT SMOKE DETECTOR | 120V POWER LOSS AT FACP | DEVICE REMOVAL, GND FAULT, OPEN, ETC. |
| SYSTEM REACTION | | | | | | | | |
| | | | | | | | | |
| ALARM AT FACP AND FAAP | | X | X | X | | | | |
| SUPERVISORY AT FACP AND FAAP | | | | | X | X | | |
| TROUBLE AT FACP AND FAAP | | | | | | | X | X |
| NOTIFY CENTRAL MONITORING STATION | | X | X | X | X | X | X | X |
| | | | | | | | | |
| ACTIVATE BUILDING WIDE NOTIFICATION | | X | X | X | | | | |
| DROP DOOR HOLDERS | | X | X | X | | | | |
| SHUTDOWN RESPECTIVE MECHANICAL UNIT | | | | | | X | | |
| | | | | | | | | |

NOTE:
A. CENTRAL MONITORING STATION TO RECEIVE SEPARATE AND DISTINCT SIGNALS FOR EACH DEVICE.
B. TEST COMMUNICATION LINK AT PROJECT COMPLETION.

| WIRING / CABLING SCHEDULE | | |
|---|---|---|
| CABLE / WIRE (#) | CABLE FUNCTION | CABLE / WIRE DESCRIPTION |
| 1 | DATA (SLC) LOOP | 16/2 AWG FPLP (RED) TWISTED NON-SHIELD |
| 2 | HORN / STROBE | 14 AWG FPLP (RED) OR THHN |
| 3 | 24VDC POWER | 14 AWG FPLP (RED) OR THHN |
| 4 | ANNUNCIATOR | (2) DATA LOOPS + (1) 24VDC POWER |

GENERAL NOTES:

A. THIS DETAIL IS DIAGRAMMATIC AND INTENDED TO SHOW TYPICAL INTENT. REFER TO PLANS AND SPECIFICATIONS FOR PROJECT SPECIFIC INFORMATION.
B. ALL DEVICES TO BE CIRCUITED TO NEAREST LIFE SAFETY PANEL.
C. LABEL ALL DEVICES ADDRESSES / NAMES ACCORDING TO CURRENT ROOM NAMES AND NUMBERS; VERIFY ALL NAMING CONVENTIONS WITH OWNER.
D. PROVIDE **OR UPDATE** FRAMED AND LAMINATED FIRE ALARM SYSTEM PLACARD MAP SHOWING THE ENTIRE BUILDING WITH THE OWNERS' ROOM NUMBERS AT THE FIRE ALARM CONTROL PANEL AND AT EACH ANNUNCIATOR. UTILIZE BUILDING PLAN FILE FROM OWNER INDICATING ALL ROOMS. PROVIDE ELECTRONIC FILE OF FINAL PLACARD MAP FOR OWNERS' USE.
E. COORDINATE LOCATION OF ALL EGRESS DOORS WITH ARCHITECT AND PROVIDE ADDITIONAL CONNECTIONS/MODULES AS REQUIRED FOR FUNCTION OF EGRESS DOORS.
F. IN ADDITION TO THE DEVICES AND APPLIANCES SHOWN ON DRAWINGS, THE FOLLOWING DEVICES SHALL BE PROVIDED WHERE DIRECTED BY ENGINEER DURING CONSTRUCTION. INSTALLATION OF DEVICES SHALL INCLUDE 50' OF WIRING AND ASSOCIATED RACEWAY AS REQUIRED:
   a. AUDIO/VISUAL: PROVIDE (6) TO BE LOCATED AND INSTALLED IN THE FIELD.
   b. VISUAL ONLY NOTIFICATION DEVICE: PROVIDE (8) TO BE LOCATED AND INSTALLED IN THE FIELD.
   c. DUCT / SMOKE DETECTOR: PROVIDE (6) TO BE LOCATED AND INSTALLED IN THE FIELD.
   d. ADDRESSABLE MODULES: PROVIDE (6) TO BE LOCATED AND INSTALLED IN THE FIELD.
   e. CARBON MONOXIDE DETECTORS: PROVIDE (2) TO BE LOCATED AND INSTALLED IN THE FIELD
   f. RESIDENT ROOM DETECTORS: PROVIDE (4) TO BE LOCATED AND INSTALLED IN THE FIELD.
   g. PULL STATIONS: PROVIDE (1) TO BE LOCATED AND INSTALLED IN THE FIELD.
   h. SPEAKERS: PROVIDE (8) TO BE LOCATED AND INSTALLED IN THE FIELD.




KEYED NOTES:

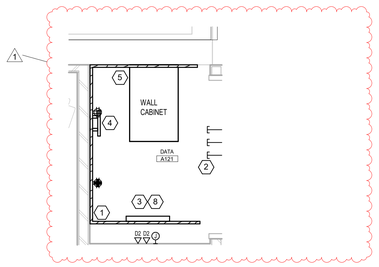
1. PROVIDE FIRE ALARM CONTROL PANEL (FACP) PROVIDE ALL NECESSARY POWER SUPPLIES, DIGITAL COMMUNICATOR, WEB CARD, SLC CARDS, ETC FOR A COMPLETE SYSTEM. CONTRACTOR SHALL PROVIDE BATTERY CALCULATIONS AND BATTERY CAPACITY AS REQUIRED.
2. PROVIDE CONNECTION FOR MONITORING. SEE SPECIFICATIONS.
3. PROVIDE FIRE ALARM ANNUNCIATOR(S). SEE PLANS.
4. PROVIDE SPRINKLER TAMPER AND FLOW SWITCHES WITH DIGITALLY ADDRESSABLE MONITOR MODULES. CONNECT TO FACP.
5. PROVIDE DUCT SMOKE DETECTOR. PROVIDE KEYED TEST SWITCHES FOR DUCT SMOKE DETECTORS ABOVE 10' AFF AND AS REQUIRED. CONNECT AS A SUPERVISORY SIGNAL AND NOT GENERAL EVALUATION.
6. PROVIDE MANUAL PULL STATION. PROVIDE GUARD, AS INDICATED ON PLANS.
7. PROVIDE HEAT OR SMOKE DETECTOR AS INDICATED ON PLANS.
8. PROVIDE CEILING OR WALL MOUNTED NOTIFICATION APPLIANCE DEVICE. VERIFY FIELD SELECTABLE CANDELA / AND WATTAGE TAP RATINGS. SET AUDIBLE DEVICES TO LOWEST SOUND LEVEL. (CIRCUIT DESIGNATIONS ARE SCHEMATIC, VERIFY QUANTITY AND AREA OF CONTROL.) PROVIDE WHITE FINISH FOR CEILING DEVICES AND RED FINISH FOR WALL DEVICES.
9. PROVIDE DOOR HOLDERS. VERIFY DOOR HOLDER QUANTITIES. PROVIDE ADDITIONAL POWER SUPPLIES AS REQUIRED.
10. PROVIDE RELAY MODULES FOR AIR HANDLER SHUT DOWN. ADDITIONALLY, PROVIDE "RIB" INTERPOSING RELAY.
11. PROVIDE 120V POWER FOR FIRE/SMOKE AND SMOKE DAMPERS. CONNECT TO CORRIDOR DEDICATED DUCT SMOKE DETECTOR. VERIFY ALL DAMPER LOCATIONS IN FIELD (TYPICAL).
12. PROVIDE 6-AMP NOTIFICATION APPLIANCE CIRCUIT (NAC) PANELS. EACH NAC PANEL SHALL HAVE ON-BOARD SYNCHRONIZATION MODULES AND BE CAPABLE OF CONTROLLING / SILENCING HORNS SEPARATELY FROM STROBES. TYPICAL OF ALL NAC PANELS. LOCATE PANELS IN TELECOMMUNICATIONS CLOSETS WHERE POSSIBLE. OWNER/ENGINEER SHALL PRIOR APPROVE LOCATION PRIOR TO ROUGH-IN.
13. PROVIDE RELAY MODULES FOR ACTIVATION OF NOTIFICATION APPLIANCE CIRCUITS AND PROVIDE MONITOR MODULE FOR MONITORING OF TROUBLES FROM NAC PANEL. TYPICAL FOR EACH NAC PANEL.
14. PROVIDE 120V, 20A DEDICATED CIRCUIT FOR EACH NAC PANEL FROM NEAREST EMERGENCY PANEL WITH CAPACITY.
15. PROVIDE 120V CONNECTION TO SOLENOID VALVE ON DOMESTIC WATER. COORDINATE WITH MECHANICAL.
16. PROVIDE CONNECTION FOR ELEVATOR & ELEVATOR RECALL.
17. PROVIDE SMOKE DETECTOR ABOVE UNIT.

## F3 FIRE ALARM RISER DIAGRAM
N.T.S.

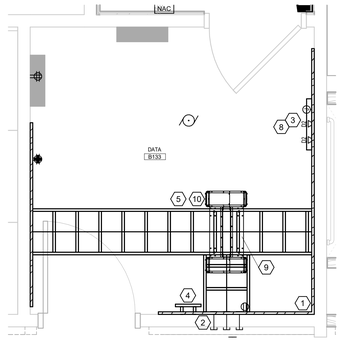
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Architect Firm (WOLD) Nelson Care Center Renovation (NEW) Nelson Care Center (EXISTING) Nelson Care Center (EXISTING) Nelson Care Center (EXISTING

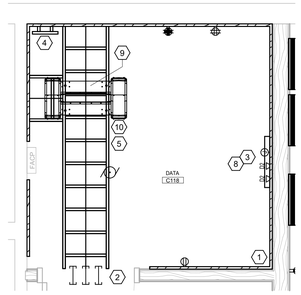
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C1 SYSTEMS PLAN - AREA A - ELEC A121
1/2" = 1'-0"




C4 SYSTEMS PLAN - AREA B - DATA B133
1/2" = 1'-0"



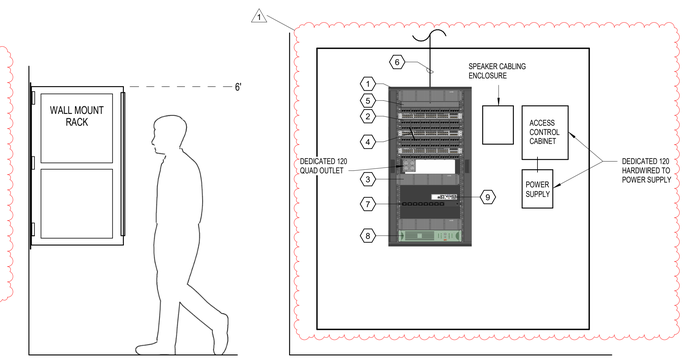

C6 SYSTEMS PLAN - AREA C - DATA C118
1/2" = 1'-0"

**KEYED SHEET NOTES**

1. PROVIDE 3/4" FIRE RATED PLYWOOD ON ALL WALLS. HANG PLYWOOD VERTICALLY 8" AFF EXTENDING TO THE HEIGHT OF 8'8" AFF. SEE SPEC SECTION 06 AND 27.
2. DIV 26 TO PROVIDE HORIZONTAL PENETRATIONS AND 4" EZ PATH SLEEVES PER SPEC. PROVIDE A MINIMUM OF 2 SLEEVES ABOVE LADDER AT EACH WALL WHERE CABLING EXITS ROOM. DIV 27 AND 28 CABLING SHALL NOT BE COMBINED AND WILL REQUIRE SEPARATE SLEEVES. COORDINATE AEXACT LOCATIONS AND QUANTITY WITH DIV 27 AND TECHNOLOGY DESIGNER (TYP). ADHERE TO 40% FILL.
3. LOCATION FOR NEW ACCESS CONTROL CONTROLERS AND POWER (DIV 28). PROVIDE DEDICATED HARDWIRE POWER AND 2 DATA TO INSIDE EACH ACCESS CONTROL CABINET (DIV 26 AND 27).
4. PROVIDE SBB AT 96" AFF. NEXT TO LADDER RACKING (DIV 26).
5. PROVIDE 18" WIDE LADDER RACKING AS SHOWN. PROVIDE VERTICAL LADDER RACKING FROM ANY FLOOR PENETRATION TO ACCOMMODATE CABLE SUPPORT TO HORIZONTAL LADDER HEIGHT. TYPICAL.
6. NOT USED
7. NOT USED
8. NOT USED
9. PROVIDE 2-POST TELECOMMUNICATIONS RACK OR WALL MOUNT AS SHOWN, SEE SPECIFICATION AND DRAWINGS. BOLT TO FLOOR WHEN COMPLETE. VERIFY EXACT CONFIGURATION WITH TECHNOLOGY DESIGNER PRIOR TO ANY WORK.
10. PROVIDE NEMA L5/30P RECEPTACLE AND DEDICATED 20 AMP QUAD OUTLET TO LADDER TRAY ABOVE EACH RACK. COORDINATE EXACT LOCATION AND CONDUIT ROUTE WITH TECHNOLOGY DESIGNER. VERIFY ALL PLUG TYPES WITH OWNER AND DIV 27 PRIOR TO ORDERING.

NUMBERED NOTES - DATA RACK/CABINET DETIAL

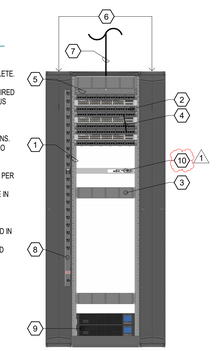
1. PROVIDE 19"W X84"H 2-POST RACK(S). 45 RACK MOUNTING UNITS (RMU) TELECOMMUNICATION RACK. PROVIDE RACK QUANTITIES AS REQUIRED TO ACCOMMODATE ALL DATA/VOICE EQUIPMENT. BOLT TO FLOOR WHEN COMPLETE. VERIFY EXACT CONFIGURATION WITH OWNER PRIOR TO ANY WORK.
2. PROVIDE 24 AND 48-PORT MODULAR PATCH PANELS IN QUANTITIES AS REQUIRED TO ACCOMMODATE ALL VOICE AND DATA OUTLETS INDICATED ON PLANS PLUS 15% ADDITIONAL SPARE CAPACITY.
3. PROVIDE HORIZONTAL CABLE MANAGEMENT PANELS. ALL CABLES IN RACK SHALL BE COVERED. PROVIDE QUANTITIES AS REQUIRED IN EACH RACK.
4. PROVIDE CATEGORY CABLE PATCH CORD QUANTITIES AS PER SPECIFICATIONS. VERIFY EXACT PATCH CORD LENGTH AND COLOR WITH THE OWNER PRIOR TO PROVIDING.
5. PROVIDE FIBER OPTIC DISTRIBUTION CENTER (FDC) WITH CONNECTORS AS INDICATED IN SPECIFICATIONS. PROVIDE FIBER PATCH CORD QUANTITIES AS PER SPECIFICATIONS.
6. PROVIDE FIBER DATA BACKBONE AS SPECIFIED. SEE TELECOM BACKBONE DIAGRAMS AND REFER TO DIVISION 27 SPECIFICATIONS.
7. PROVIDE RACK MOUNTED HORIZONTAL PDU. PROVIDE QUANTITIES AS REQUIRED IN EACH RACK TO POWER EQUIPMENT .
8. PROVIDE ADEQUATE SPACE IN THE BOTTOM OF RACK FOR OWNER PROVIDED UPS.
9. BOGEN IP AMP



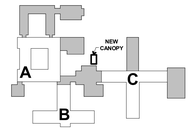

E1 TR CABINET DIAGRAM
N.T.S.

NUMBERED NOTES - DATA RACK/CABINET DETIAL

1. PROVIDE 19"W X84"H 2-POST RACK(S). 45 RACK MOUNTING UNITS (RMU) TELECOMMUNICATION RACK. PROVIDE RACK QUANTITIES AS REQUIRED TO ACCOMMODATE ALL DATA/VOICE EQUIPMENT. BOLT TO FLOOR WHEN COMPLETE. VERIFY EXACT CONFIGURATION WITH OWNER PRIOR TO ANY WORK.
2. PROVIDE 24 AND 48-PORT MODULAR PATCH PANELS IN QUANTITIES AS REQUIRED TO ACCOMMODATE ALL VOICE AND DATA OUTLETS INDICATED ON PLANS PLUS 15% ADDITIONAL SPARE CAPACITY.
3. PROVIDE HORIZONTAL CABLE MANAGEMENT PANELS. ALL CABLES IN RACK SHALL BE COVERED. PROVIDE QUANTITIES AS REQUIRED IN EACH RACK.
4. PROVIDE CATEGORY CABLE PATCH CORD QUANTITIES AS PER SPECIFICATIONS. VERIFY EXACT PATCH CORD LENGTH AND COLOR WITH THE OWNER PRIOR TO PROVIDING.
5. PROVIDE FIBER OPTIC DISTRIBUTION CENTER (FDC) WITH CONNECTORS AS INDICATED IN SPECIFICATIONS. PROVIDE FIBER PATCH CORD QUANTITIES AS PER SPECIFICATIONS.
6. PROVIDE VERTICAL WIRE MANAGEMENT AS PER SPECIFICATIONS. ALL CABLE IN RACK SHALL BE COVERED; PROVIDE WIRE MINDERS AS NEEDED.
7. PROVIDE FIBER DATA BACKBONE AS SPECIFIED. SEE TELECOM BACKBONE DIAGRAMS AND REFER TO DIVISION 27 SPECIFICATIONS.
8. PROVIDE RACK MOUNTED VERTICAL PDU. PROVIDE QUANTITIES AS REQUIRED IN EACH RACK TO POWER EQUIPMENT.
9. PROVIDE ADEQUATE SPACE IN THE BOTTOM OF RACK FOR OWNER PROVIDED UPS.
10. BOGEN IP AMP




E6 FREE STANDING DATA RACK DETAIL
N.T.S.




KEY PLAN


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woldae.com | 612 772 9025


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**SITHA CHHUM**
License Number: **54883** Date **08/29/2025**

| Revisions | | |
|---|---|---|
| Description | Date | Num |
| **Addendum #2** | **2025-09-11** | **1** |

Comm: **246040**
Date: **08/29/2025**
Drawn: **T. Nguyen**
Check: **D. Kruth**

**ELECTRICAL DETAILS - SYSTEMS**

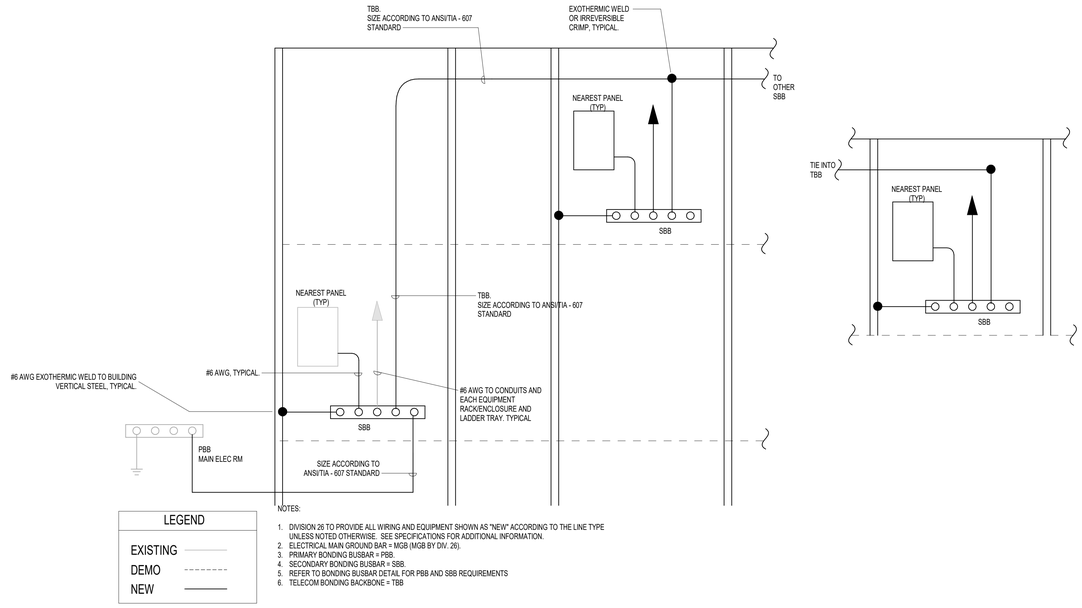
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**E7.04**


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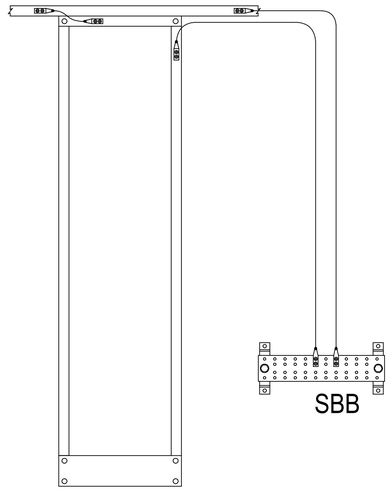
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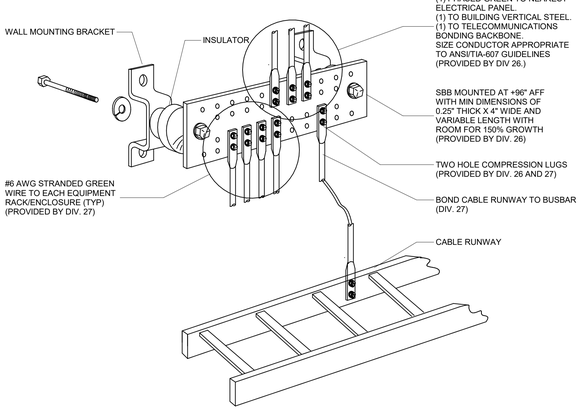



C1 TELECOMMUNICATIONS GROUNDING AND BONDING SYSTEM DETAIL
N.T.S.



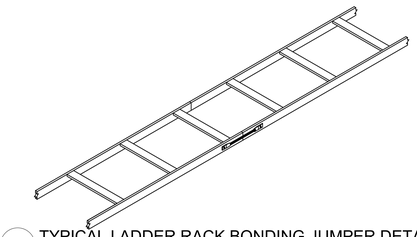




C6 TYPICAL TR EQUIPMENT RACK GROUNDING & BONDING DETAIL
NTS

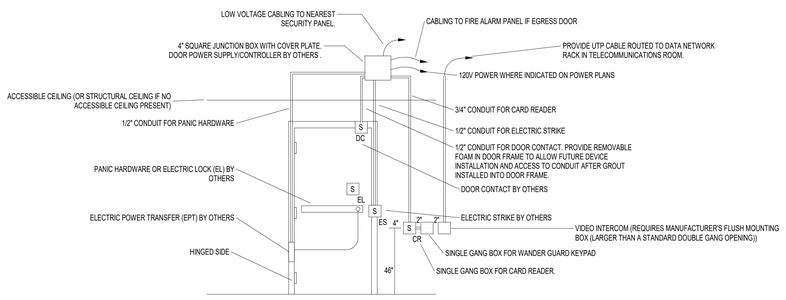



NOTES:
1. SECONDARY BONDING BUSBAR (SBB) FOR THE TELECOMMUNICATIONS GROUNDING AND BONDING SYSTEM
2. SBB SHALL MEET ANSI/TIA-607 (CURRENT EDITION) REQUIREMENTS FOR NETWORK SYSTEMS BONDING APPLICATIONS.
3. IDENTIFY BUSBAR TO MEET ANSI/TIA-606 LABELING STANDARDS.

E1 SECONDARY BONDING BUSBAR (SBB)
N.T.S.

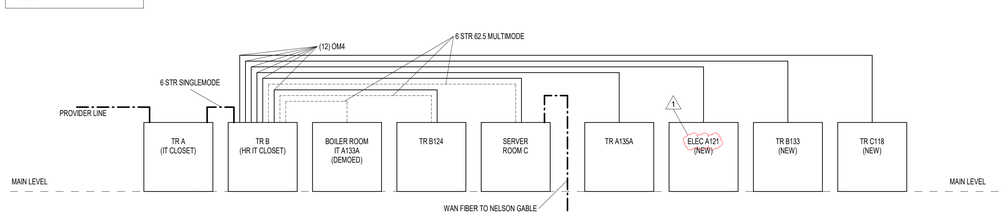


D4 TYPICAL LADDER RACK BONDING JUMPER DETAIL
NTS




NOTES:
1. ALL EMPTY RACEWAY AND WORK BY DIV. 26. DEVICES MAY BE BY OTHERS WHERE INDICATED.
2. BUSH ALL ENDS AND PROVIDE PULL STRING IN EACH CONDUIT.
3. PROVIDE BLANK STAINLESS STEEL COVERPLATE ON ALL UNUSED BACKBOXES.
4. COORDINATE WITH DOOR HARDWARE AND DEVICE/CABLE INSTALLERS (INCLUDING OWNERS CONTRACTORS) PRIOR TO ANY ROUGH-INS TO GO OVER EACH DOOR.

F1 DOOR SECURITY ROUGH-INS
N.T.S.




GENERAL NOTES:

1. MAINTAIN EXISTING ACTIVE FIBER TO BE DEMOED UNTIL NEW OM4 FIBER HAS BEEN ESTABLISHED AND OWNER HAS CUT OVER EQUIPMENT TO NEW FIBER. COORDINATE CUT OVER WITH OWNER.
2. MAINTAIN EXISTING COAX BACKBONE CABLING AND ASSOCIATED TAPS.

F4 COMMUNICATIONS BACKBONE CABLING RISER
N.T.S.

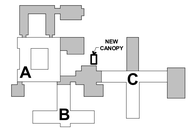
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# Nelson Care Center Renovation

420 12th Ave E,
Alexandria, MN 56308

**Vivie**
2209 Jefferson St. Suite 201
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Minneapolis, Minnesota 55402
woldae.com | 612 772 9025




KEY PLAN

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SITHA CHHUM
License Number: 54883 Date: 08/29/2025

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|---|---|---|
| Description | Date | Num |
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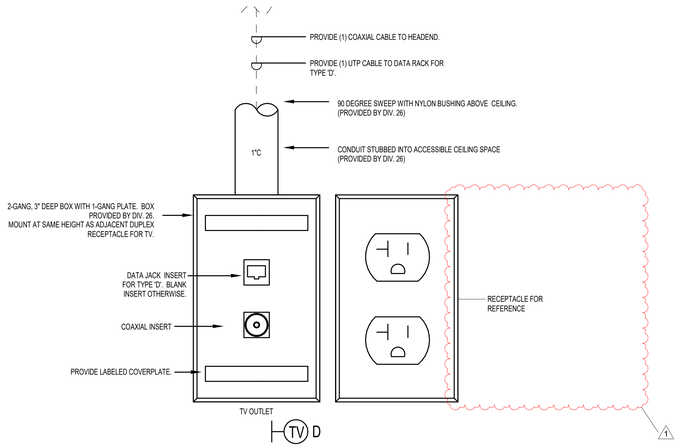
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Date: 08/29/2025
Drawn: T. Nguyen
Check: D. Kruth

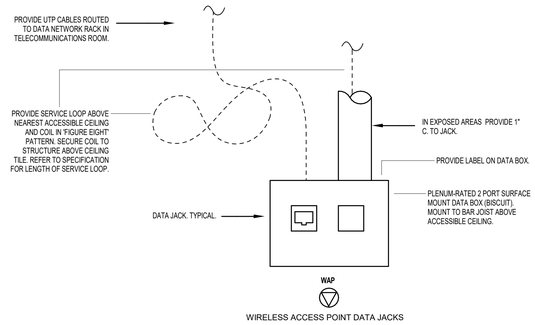
# ELECTRICAL DETAILS - SYSTEMS

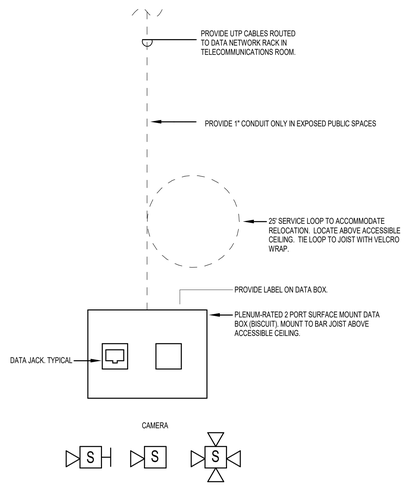
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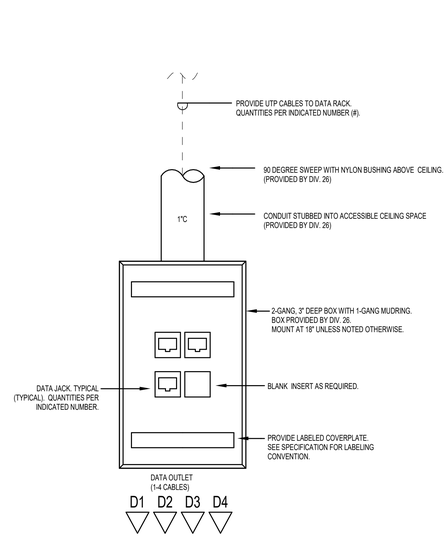
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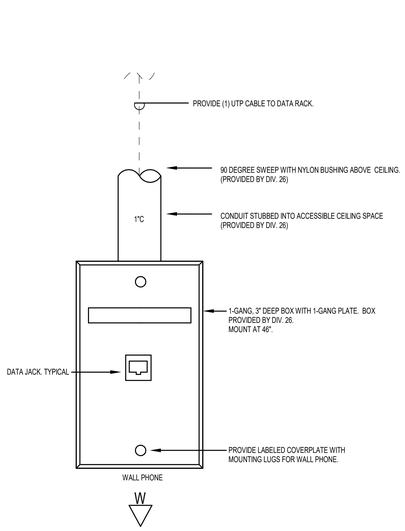
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## GENERAL NOTES:

A. DETAILS TO INDICATE CONDUIT, WIRING AND MOUNTING HEIGHTS. SEE FLOORPLANS FOR LOCATION OF EACH DEVICE.
B. SEE DETAILS ON E7X SERIES FOR ADDITIONAL INFORMATION.
C. DIVISION 26 TO PROVIDE EMPTY CONDUIT WITH PULLSTRINGS, BACKBOXES AND POWER. DIVISION 27 TO PROVIDE ALL OTHER EQUIPMENT (LABELED WALLPLATE, JACKS, CABLING, ETC) UNLESS INDICATED TO BE PROVIDED BY OTHERS.
D. ALL CABLING TO BE PLENUM RATED.
E. TERMINATE ALL CABLING ON JACK INSERTS UNLESS OTHERWISE NOTED.
F. UTP CABLING FROM EACH JACK INSERT SHALL HOMERUN BACK TO THE MER/TR ROOM INDICATED ON PLANS WITHOUT SPLICES OR TAPS. CABLE LENGTHS SHALL NOT EXCEED 295'. RE-ROUTE AS REQUIRED IF 295' LIMITATION IS EXCEEDED.
G. PROVIDE BLANK INSERTS FOR ALL UNUSED PORTS.
H. 2- GANG BOX TO BE MINIMUM OF 4 11/16 " X 4 11/16". DEPTH AS INDICATED.
I. LABEL TO BE PER SPECIFICATION AND VERIFIED WITH OWNER.

E2 TELECOM OUTLET CONFIGURATIONS
NTS


Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_R24V.rvt
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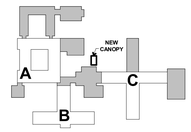

E


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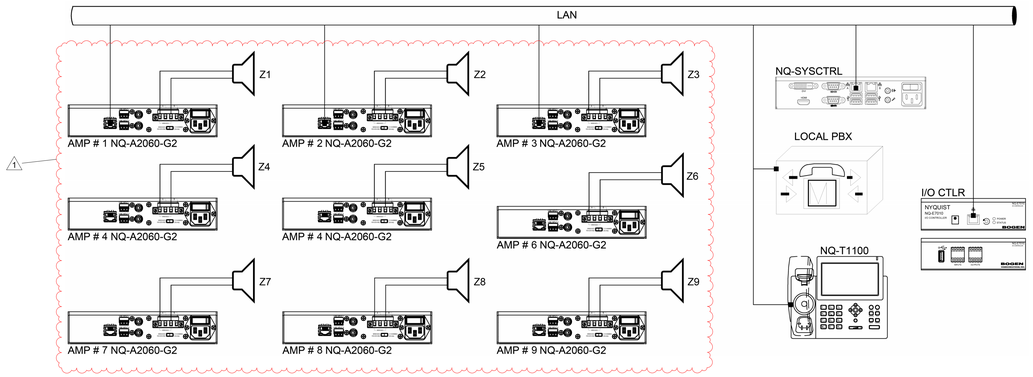
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Date: 08/29/2025
Drawn: T. Nguyen
Check: D. Kruth

# ELECTRICAL DETAILS - SYSTEMS

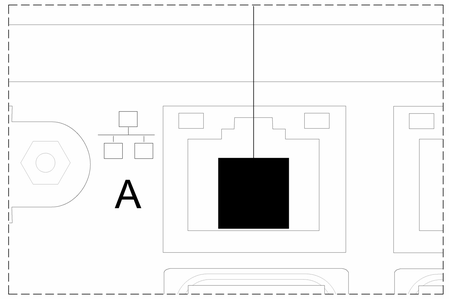
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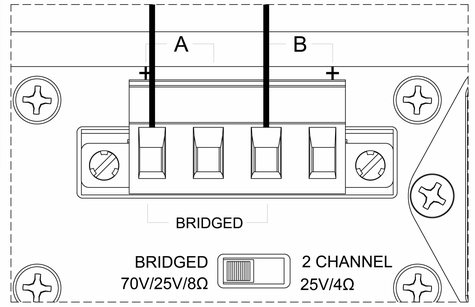
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**MN**



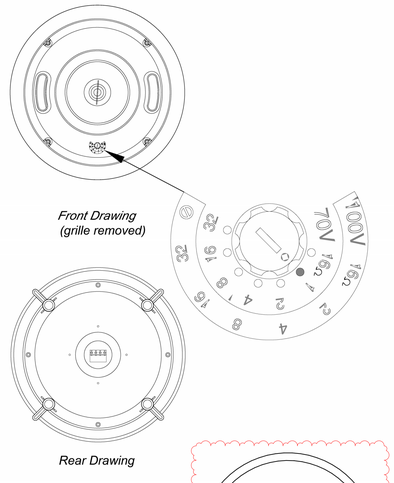

A1 — 4 OF 6 — NQ-SYSCTRL DETAIL
PORT "A" LAN CONNECTION

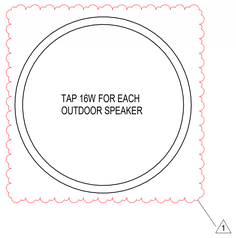


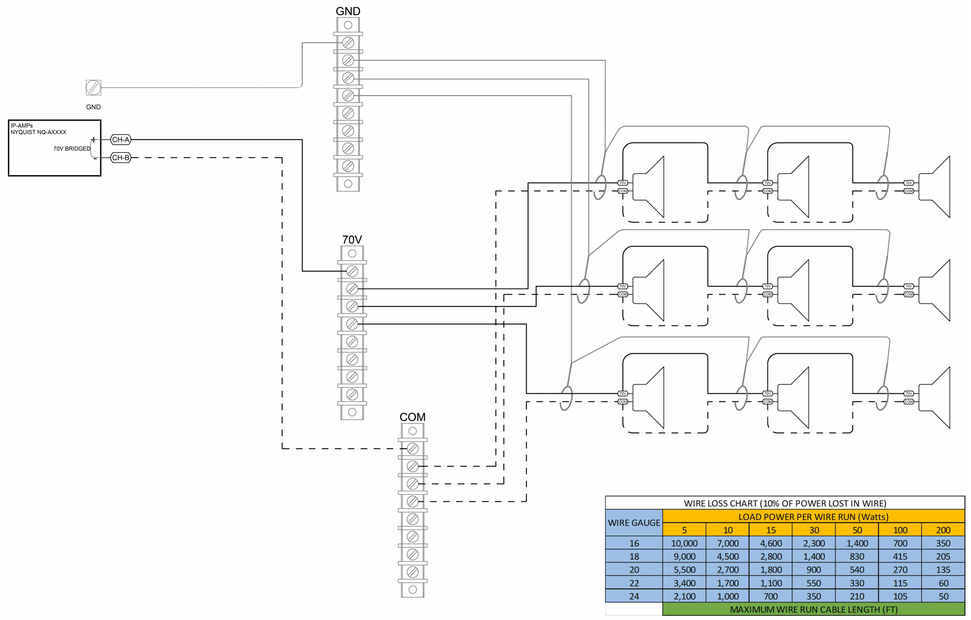




A2 — 4 OF 6 — 70V MODE SET-UP
SCALE: NONE

HFCS1LP TAP SETTINGS




WIRE LOSS CHART (10% OF POWER LOST IN WIRE)

| WIRE GAUGE | LOAD POWER PER WIRE RUN (Watts) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 5 | 10 | 15 | 30 | 50 | 100 | 200 |
| 16 | 10,000 | 7,000 | 4,600 | 2,300 | 1,400 | 700 | 350 |
| 18 | 9,000 | 4,500 | 2,800 | 1,400 | 830 | 415 | 205 |
| 20 | 5,500 | 2,700 | 1,800 | 900 | 540 | 270 | 135 |
| 22 | 3,400 | 1,700 | 1,100 | 550 | 330 | 115 | 60 |
| 24 | 2,100 | 1,000 | 700 | 350 | 210 | 105 | 50 |
| | MAXIMUM WIRE RUN CABLE LENGTH (FT) | | | | | | |

F2 — BOGEN PA SYSTEM DETAILS
N.T.S.

**E**

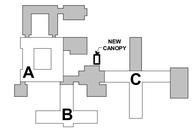
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# ELECTRICAL DETAILS - SYSTEMS

Scale: **N.T.S.**

# E7.07