MN

Nelson Care Center Renovation

Vivie

Alexandria, MN

246040

CIVIL

C1.0	CIVIL COVER SHEET
C2.0	EXISTING SITE AND DEMOLITION PLAN
C3.0	PROPOSED SITE & UTILITY PLAN
C4.0	DETAILED GRADING PLAN
C4.1	DETAILED GRADING PLAN
C4.2	ACCESS DRIVE PLAN AND PROFILE
C4.3	EROSION CONTROL PLAN
C5.0	CONSTRUCTION DETAILS

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S2.01c	MAIN LEVEL FOUNDATION PLAN - AREA C
S2.02b	ROOF FRAMING PLAN - AREA B
S2.02c	ROOF FRAMING PLAN - AREA C
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S5.211	SECTIONS AND DETAILS
S6.201	SECHEDULES AND DETAILS

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A0.300	PHASING PLAN AND ADD ALTERNATES
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A2.00c	FIRST FLOOR PLAN - AREA C - PINES
A2.095	ROOF PLAN
A2.901	DOOR/ FRAME/ WINDOW TYPES & DETAILS
A3.00a	FIRST FLOOR REFLECTED CEILING PLAN - AREA A
A3.00b	FIRST FLOOR REFLECTED CEILING PLAN - AREA B
A3.00c	FIRST FLOOR REFLECTED CEILING PLAN - AREA C
A4.00a	FIRST FLOOR FINISH PLAN - AREA A & MATERIAL ID
A4.00b	FIRST FLOOR FINISH PLAN - AREA B
A4.00c	FIRST FLOOR FINISH PLAN - AREA C
A4.101	ENLARGED PLANS & INTERIOR ELEVATIONS
A4.102	ENLARGED PLANS & INTERIOR ELEVATIONS
A4.103	ENLARGED PLANS & INTERIOR ELEVATIONS
A4.701	DETAILS - INTERIOR WALL TYPES
A4.710	DETAILS - INTERIOR
A4.711	DETAILS - INTERIOR
A5.101	EXTERIOR ELEVATIONS
A5.102	EXTERIOR ELEVATIONS
A5.201	EXTERIOR WALL TYPES
A5.202	DETAILS - EXTERIOR CANOPY
A5.203	DETAILS - EXTERIOR CANOPY
A5.204	WALL SECTIONS
A5.205	DETAILS - MONUMENT SIGN
A5.601	DETAILS - EXTERIOR OPENINGS
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M0.000	MECHANICAL TITLE SHEET
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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'
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M5.02	MAIN LEVEL FIRE PROTECTION PLAN
M6.00	ROOF PLAN
M7.00	MECHANICAL ROOM DEMOLITION PLANS
M7.01	MECHANICAL ROOM NEW WORK PLANS
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M7.20c	SUPPLY RISER DIAGRAM - AREA 'C'
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M8.01	MECHANICAL DETAILS
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M9.00	MECHANICAL SCHEDULES
M9.01	MECHANICAL SCHEDULES
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M9.03	MECHANICAL SCHEDULES
M9.04	MECHANICAL SCHEDULES
M9.05	MECHANICAL SCHEDULES
M9.06	MECHANICAL SCHEDULES

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E0.003	OVERALL PLAN
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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 & FA PLAN - ADMIN BLDG
E2.001a	POWER & FA PLAN - AREA 'A'
E2.001b	POWER & FA PLAN - AREA 'B'
E2.001c	POWER & FA PLAN - AREA 'C'
E3.001	SYSTEMS PLAN - ADMIN BLDG
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E3.001b	SYSTEMS PLAN - AREA 'B'
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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

100% CD SET

Set No:
Comm No:246040

Nelson Care Center Renovation

420 12th Ave E,
Alexandria, MN 56308

246040
Vivie
2209 Jefferson St. Suite 201
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Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_Rev2025.rvt
Central: https://acc.autodesk.com/docs/files/projects/1b7f7c1e-7e1e-4a7e-b7f8-1b7f7c1e7e1e
Date: 9/29/2025 1:05:26 PM

NELSON CARE CENTER BY VIVIE
ALEXANDRIA, MN

CIVIL ENGINEERING CONSTRUCTION DOCUMENTS

SECTION 19, TOWNSHIP 128 N, RANGE 37 W
DOUGLAS COUNTY, STATE OF MINNESOTA

CONTACT LIST

OWNER
VIVIE
2209 JEFFERSON STREET, SUITE 201
ALEXANDRIA, MN 56308
320-335-8774
CONTACT: BRITTNEY THORESON

CIVIL ENGINEER
HAGSTROM ENGINEERING
219 6TH AVENUE E
ALEXANDRIA, MN 56308
320-759-0764
CONTACT: MATT HAGSTROM

VICINITY MAP
N.T.S.

SHEET INDEX

C1.0	COVER SHEET
C2.0	EXISTING SITE & DEMOLITION PLAN
C3.0	PROPOSED SITE & UTILITY PLAN
C4.0 - C4.1	DETAILED GRADING PLAN
C4.2	ACCESS DRIVE PLAN & PROFILE
C4.3	EROSION CONTROL PLAN
C5.0	CONSTRUCTION DETAILS

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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 LAYS OF THE STATE OF MINNESOTA

NAME: MATTHEW R. HAGSTROM
DATE: 08/29/2025
REG. NUMBER: 50731

CALL GOPHER STATE ONE CALL
811
CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

100% CIVIL CDs

Revisions		
Description	Date	Num

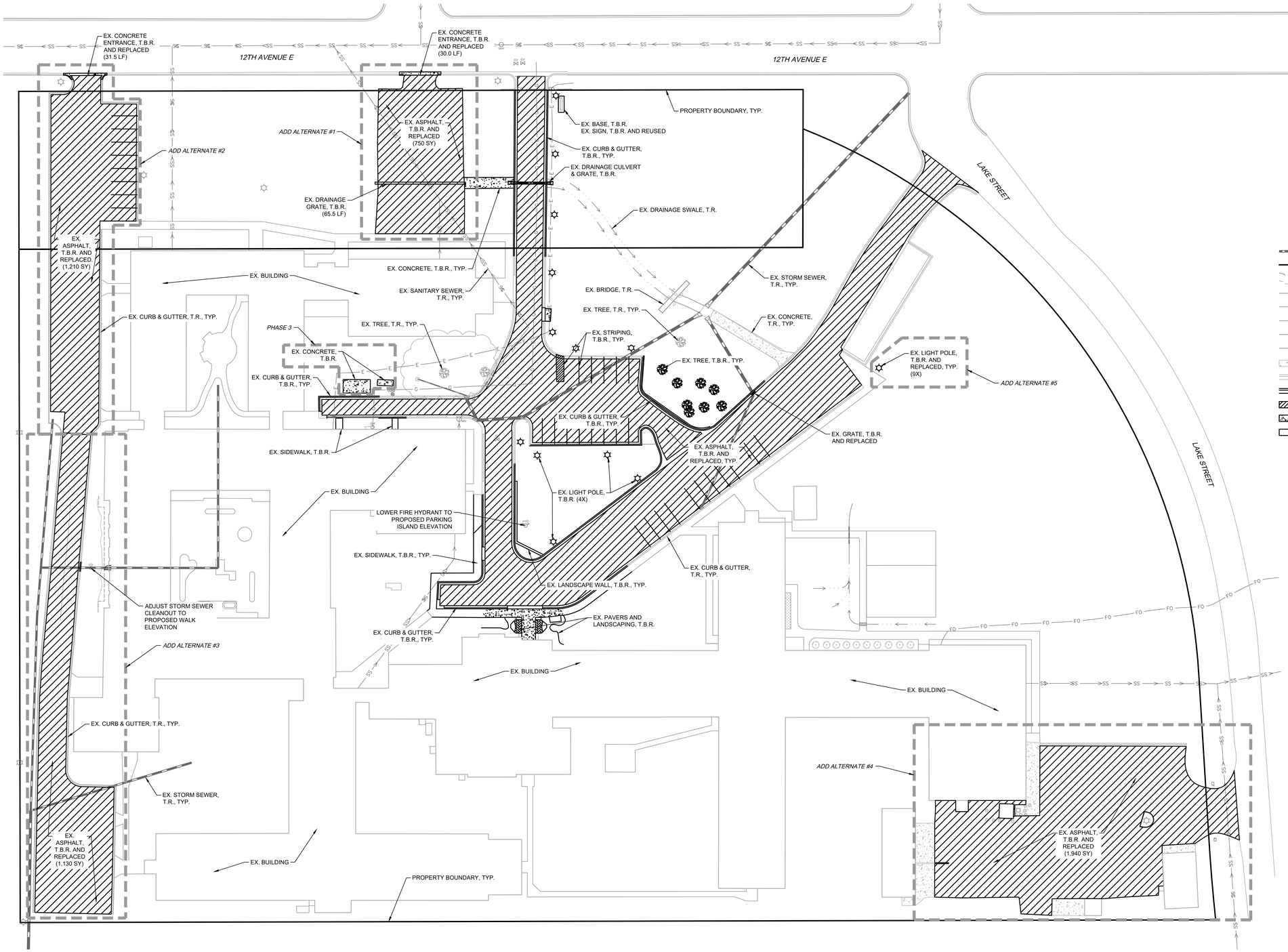
Comm: 25012
Date: 08/29/2025
Drawn: LEH
Check: MRH

North

COVER SHEET

Scale: As indicated

C1.0



NOTES:

1. CONTRACTOR SHALL FIELD VERIFY SIZE AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER WITH ANY DISCREPANCIES.
2. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY CONSTRUCTION STAKING.
3. INSTALL PERIMETER BMP'S PRIOR TO ANY CONSTRUCTION, SEE EROSION CONTROL PLAN.

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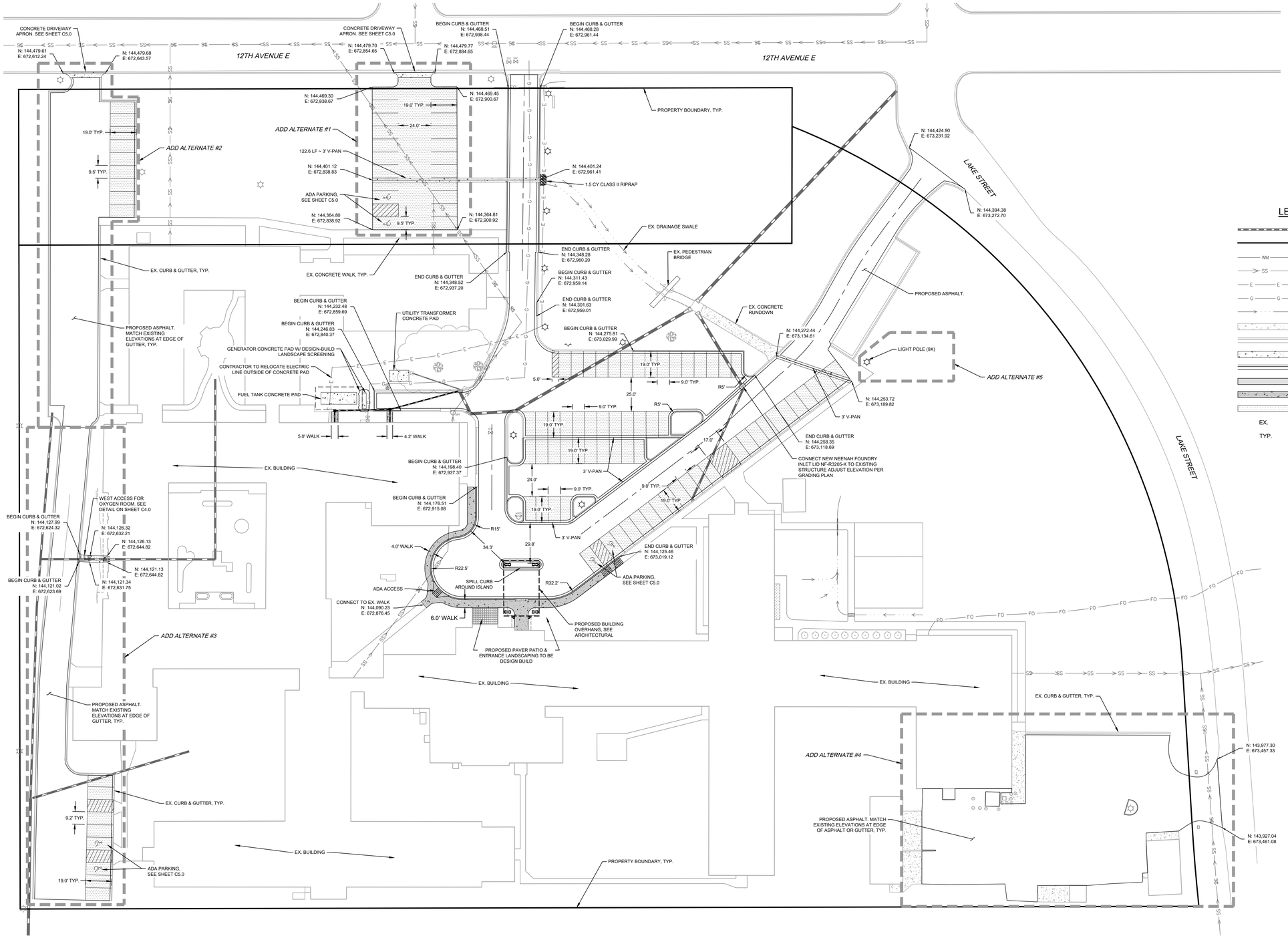
Drawn: LEH
Check: MRH
North

EXISTING SITE AND DEMOLITION PLAN

Scale: As indicated

C2.0

25012_Nelson Care Center\CAD\Civil\25012_C2.0 Existing Site & Demo Plan.dwg, 8/29/2025 9:38:52 AM, 1:1, LEH



0 15 30 60

SCALE: 1" = 30'
ORIGINAL GRAPHIC SCALE

LEGEND

- EXISTING CULVERT
- PROPERTY BOUNDARY
- EXISTING WATERLINE W/ TEE
- EXISTING SANITARY SEWER W/ MANHOLE
- EXISTING ELECTRIC
- EXISTING GAS
- EXISTING DRAINAGE DITCH
- EXISTING CONCRETE
- EXISTING CURB & GUTTER
- PROPOSED CONCRETE
- PROPOSED CURB & GUTTER
- PROPOSED ASPHALT
- PROPOSED CONCRETE WALK
- PROPOSED LIGHT DUTY BITUMINOUS PAVEMENT
- EX. EXISTING
- TYP. TYPICAL

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3. INSTALL PERIMETER BMP'S PRIOR TO ANY CONSTRUCTION, SEE SHEET C4.0.
4. ALL TREES AND TREE ROOT ZONES OUTSIDE OF THE LIMITS OF CONSTRUCTION SHALL NOT BE DISTURBED.
5. ALL PAVEMENT IS HEAVY DUTY BITUMINOUS PAVEMENT, UNLESS NOTED OTHERWISE.
6. ALL CURB AND GUTTER IS CATCH CURB UNLESS OTHERWISE NOTED.
7. SEE SHEET C5.0 FOR CONSTRUCTION DETAILS.

STRIPING NOTES:

1. ALL LINE STRIPING AND PAVEMENT MESSAGES SHALL BE WATER-BASED ACRYLIC LATEX TRAFFIC MARKING PAINT, COLOR: WHITE (UNLESS NOTED OTHERWISE)
2. ALL LINE STRIPING IS 4" WIDTH, UNLESS NOTED OTHERWISE.

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100% CIVIL CDs

Revisions		
Description	Date	Num

Comm: 25012
Date: 08/29/2025
Drawn: LEH
Check: MRH

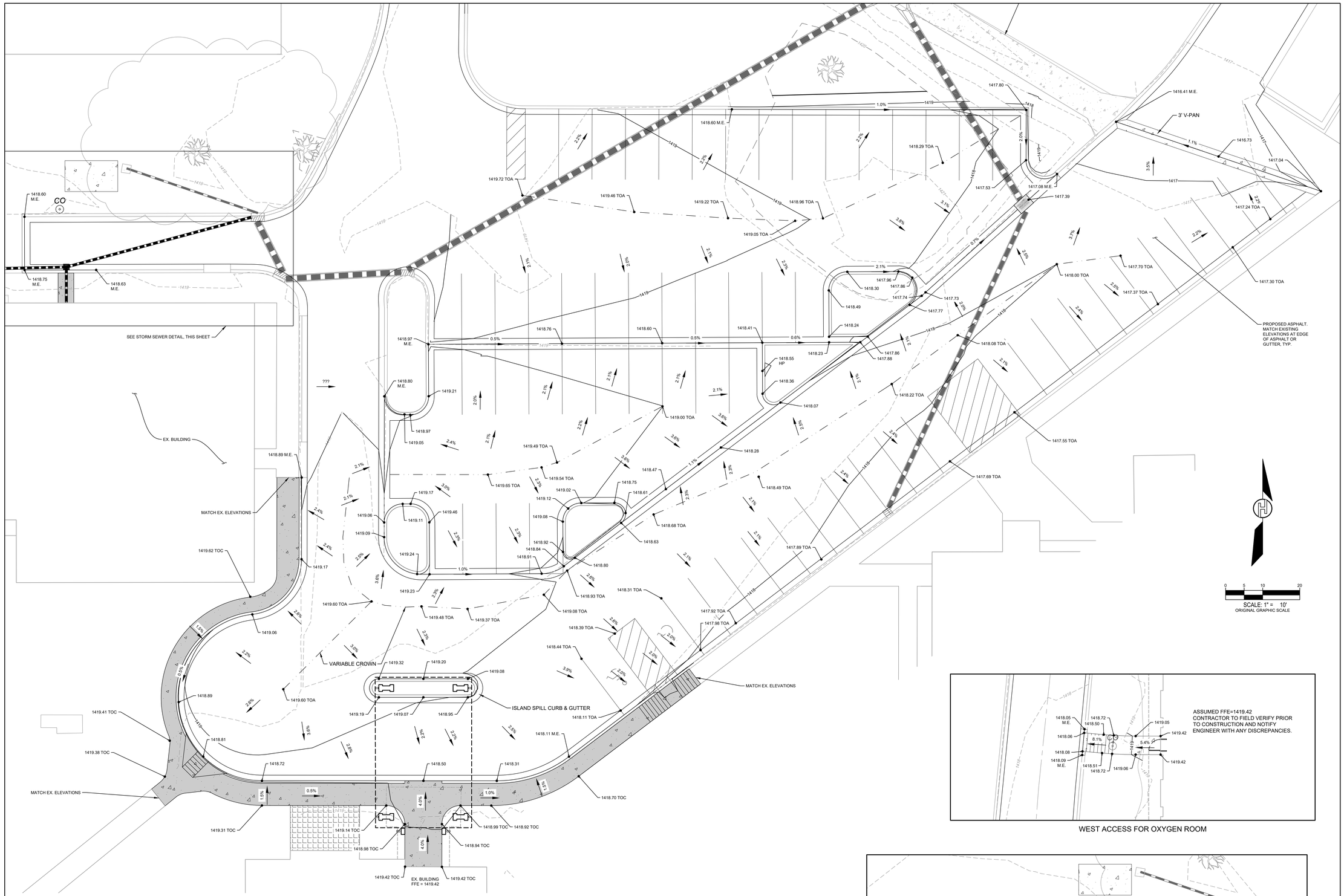
North

PROPOSED SITE & UTILITY PLAN

Scale: As indicated

C3.0

P:\2025\25012 Nelson Care Center\CAD\C3\n25012_C3.0 Proposed Site Plan.dwg, 8/29/2025 10:01:11 AM, 1:1, LEH



GRADING NOTES:

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3. ALL ELEVATIONS PROVIDED ARE FLOWLINE UNLESS OTHERWISE NOTED.
4. FINISHED GRADE MUST SLOPE AWAY FROM BUILDING AT 10% MIN. FOR THE FIRST 5' IN LANDSCAPED AREAS.
5. ALL CURB AND GUTTER IS B618 WITH CATCH CURB UNLESS OTHERWISE NOTED.

LEGEND

1431 / 1430	EXISTING 1' AND 5' CONTOURS
1431 / 1430	PROPOSED 1' AND 5' CONTOURS
→	EXISTING DRAINAGE DITCH
1432.3	PROPOSED SPOT ELEVATION
2.00%	FLOW DIRECTION & GRADE
FFE	FINISHED FLOOR ELEVATION
M.E.	MATCH EXISTING
TOA	TOP OF ASPHALT
TOC	TOP OF CONCRETE

WEST ACCESS FOR OXYGEN ROOM

STORM SEWER

SCALE: 1" = 10'
ORIGINAL GRAPHIC SCALE

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Comm: 25012
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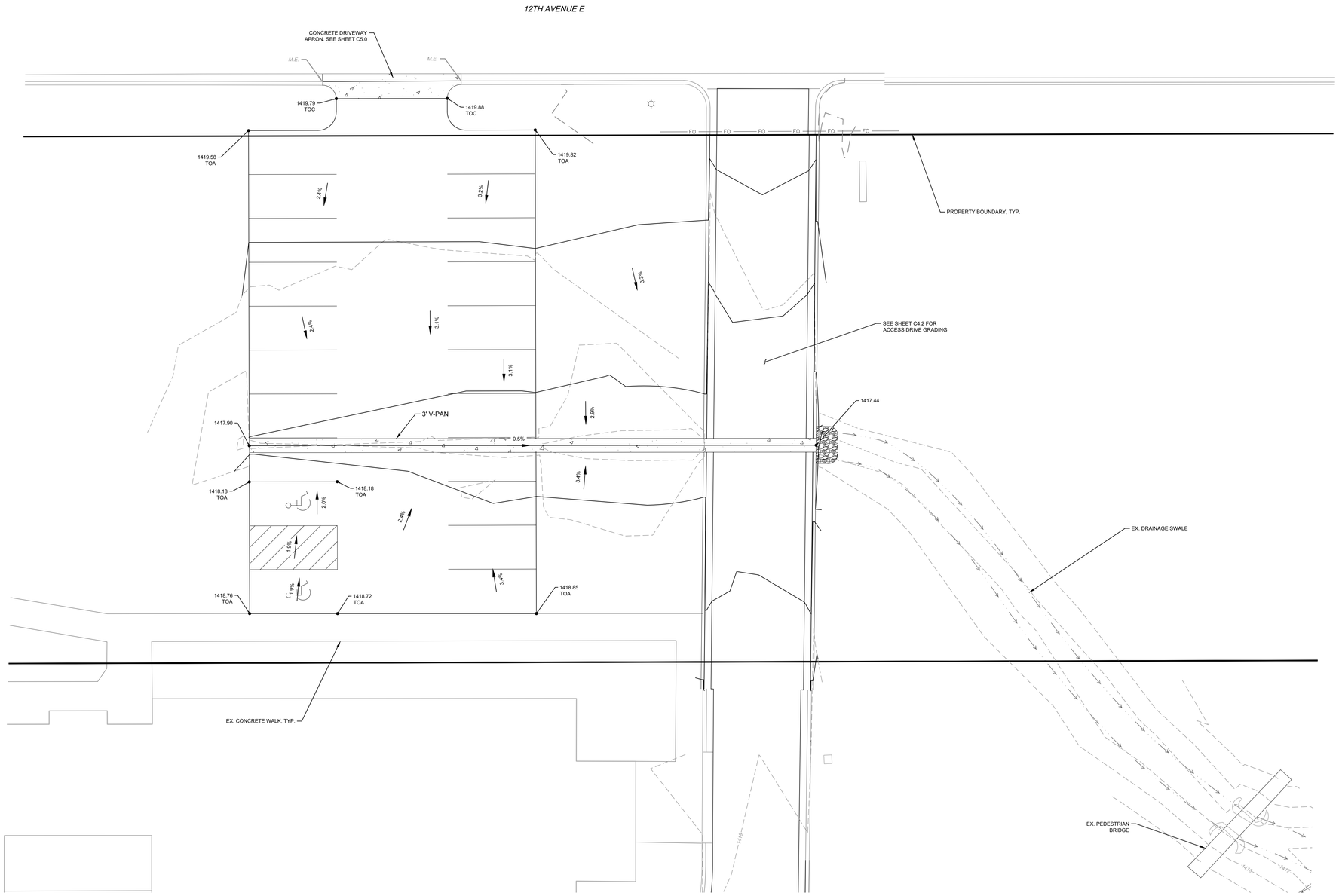
North

DETAILED GRADING PLAN

Scale: As indicated

C4.0



0 5 10 20

SCALE: 1" = 10'
ORIGINAL GRAPHIC SCALE

LEGEND

1431 / 1430	EXISTING 1' AND 5' CONTOURS
1431 / 1430	PROPOSED 1' AND 5' CONTOURS
	EXISTING DRAINAGE DITCH
1432.3	PROPOSED SPOT ELEVATION
2.00%	FLOW DIRECTION & GRADE
FFE	FINISHED FLOOR ELEVATION
M.E.	MATCH EXISTING
TOA	TOP OF ASPHALT
TOC	TOP OF CONCRETE

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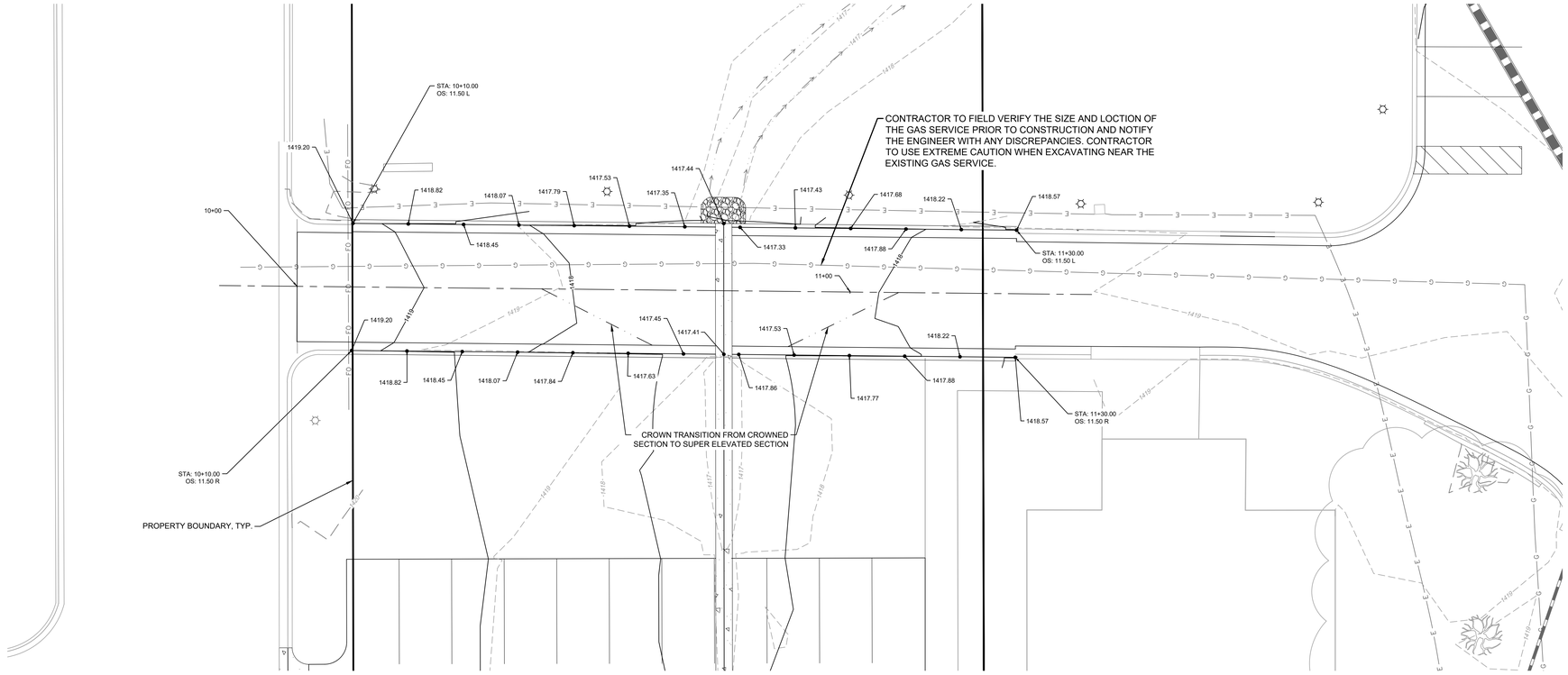
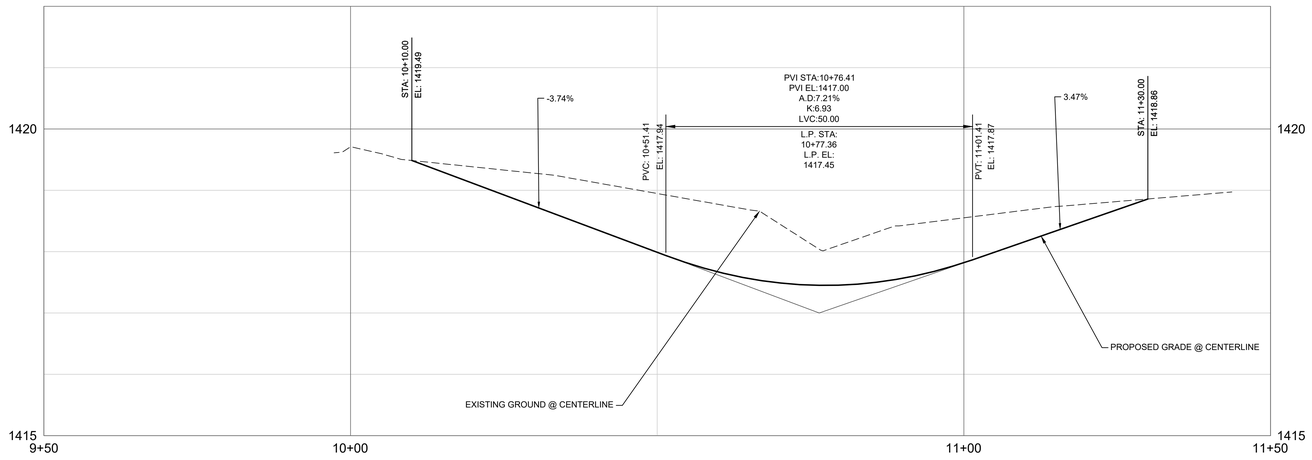
North

DETAILED GRADING PLAN

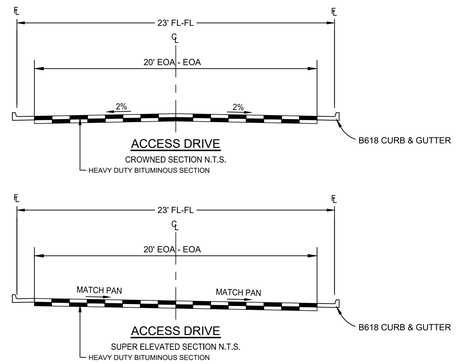
Scale: As indicated

C4.1





ALIGNMENT NAME: Alignment - Main Drive PROFILE
HORIZONTAL SCALE: 10.00
VERTICAL SCALE: 1.00
GRAPH VERTICAL EXAGGERATION: 10.00
STATION RANGE: 9+50 - 11+50
PROFILE VIEW ELEVATION RANGE: 1415.00 - 1422.00



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0 15 30 60
SCALE: 1" = 30'
ORIGINAL GRAPHIC SCALE

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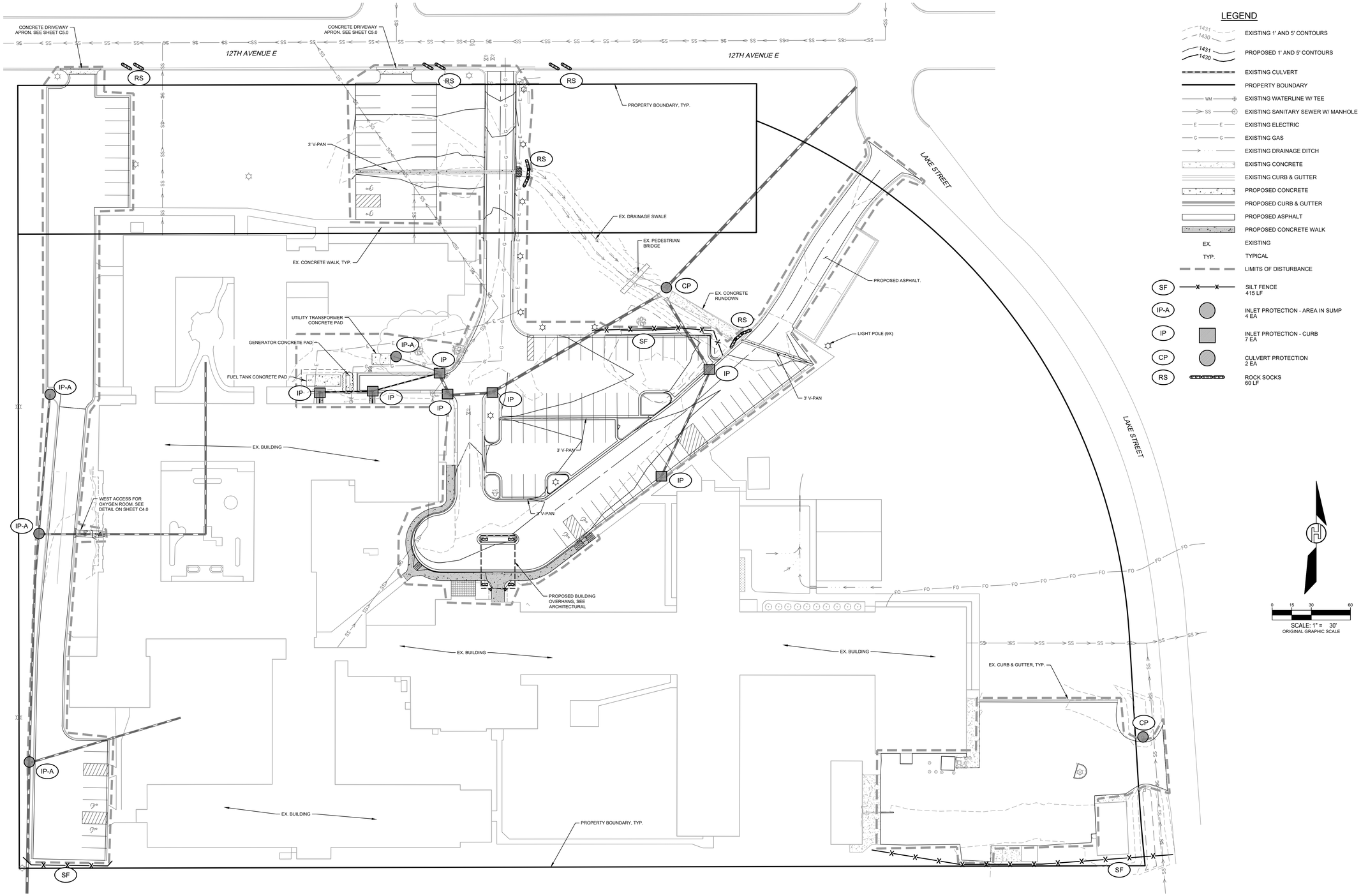
Comm: 25012
Date: 08/29/2025
Drawn: LEH
Check: MRH

North

ACCESS DRIVE PLAN AND PROFILE

Scale: As indicated

C4.2



LEGEND

- EXISTING 1' AND 5' CONTOURS
- PROPOSED 1' AND 5' CONTOURS
- EXISTING CULVERT
- PROPERTY BOUNDARY
- EXISTING WATERLINE W/ TEE
- EXISTING SANITARY SEWER W/ MANHOLE
- EXISTING ELECTRIC
- EXISTING GAS
- EXISTING DRAINAGE DITCH
- EXISTING CONCRETE
- EXISTING CURB & GUTTER
- PROPOSED CONCRETE
- PROPOSED CURB & GUTTER
- PROPOSED ASPHALT
- PROPOSED CONCRETE WALK
- EX. EXISTING
- TYP. TYPICAL
- LIMITS OF DISTURBANCE
- SF SILT FENCE 415 LF
- IP-A INLET PROTECTION - AREA IN SUMP 4 EA
- IP INLET PROTECTION - CURB 7 EA
- CP CULVERT PROTECTION 2 EA
- RS ROCK SOCKS 60 LF

EROSION CONTROL NOTES:

1. INSTALL PERIMETER BMP'S PRIOR TO ANY CONSTRUCTION.
2. SEE SHEET C5.0 FOR BMP DETAILS AND BMP MAINTENANCE NOTES.
3. THE CONTRACTOR SHALL PERFORM STREET SWEEPING AS REQUIRED TO MITIGATE ANY SOIL ON THE PERIMETER STREETS.
4. THE CONTRACTOR SHALL INSPECT THE BMP'S WEEKLY OR AFTER ANY SIGNIFICANT RAIN EVENT AND REPAIR BMP'S AS REQUIRED.
5. STOCKPILE AND STAGING LOCATION TO BE APPROVED BY ENGINEER.
6. CONCRETE WASHOUT TO OCCUR OFFSITE.
7. ALL DISTURBED AREAS THAT ARE NOT HARDSCAPED SHALL RECEIVE PERMANENT SEEDING PER THE OWNER.

LAND CHANGE SUMMARY:

TOTAL DISTURBED AREA = 2.7 ACRES

TOTAL NEW IMPERVIOUS AREA = 0.2 ACRES

Nelson Care Center Renovation

420 12th Ave E,
Alexandria, MN 56308

246040

Vivie
2209 Jefferson St. Suite 201
Alexandria, MN 56308

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NAME: MATTHEW R. HAGSTROM
DATE: 08/29/2025
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CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

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Revisions		
Description	Date	Num

Comm: 25012
Date: 08/29/2025
Drawn: LEH
Check: MRH

North

EROSION CONTROL PLAN

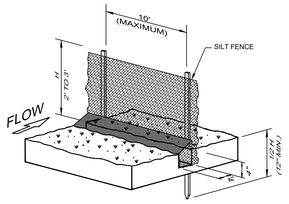
Scale: As indicated

C4.3

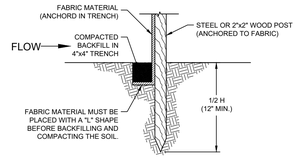
SILT FENCE (SF)
N.T.S.

DEFINITION
A TEMPORARY SEDIMENT CONTROL CONSISTING OF A FILTER FABRIC STRETCHED ACROSS AND ATTACHED TO SUPPORTING POSTS AND ENTRENCHED.

PURPOSE
TO MINIMIZE SEDIMENT LADEN SHEET FLOW FROM LEAVING DISTURBED AREAS.



SILT FENCE INSTALLATION



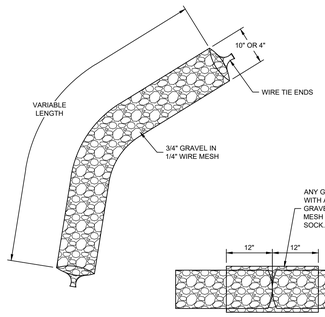
SILT FENCE TRENCH SECTION

NOTES
1. SILT FENCING MUST NOT BE INSTALLED WHERE CONCENTRATED FLOWS WILL OCCUR (SUCH AS DRAINAGE CHANNELS, AROUND AREA DRAINS, OR UPSTREAM/DOWNSTREAM OF CULVERTS) UNLESS PROPERLY SUPPORTED.
2. MAXIMUM DRAINAGE AREA SHALL NOT EXCEED 0.25 ACRES PER 100-FT FENCE LENGTH. MAXIMUM SLOPE LENGTH ABOVE THE FENCE SHALL NOT EXCEED 100 FT.

ROCK SOCK (RS)
N.T.S.

DEFINITION
A TEMPORARY SEDIMENT BARRIER PLACED ON-GRADE.

PURPOSE
TO INCREASE SEDIMENTATION FROM SEDIMENT LADEN RUNOFF AND SLOW THE VELOCITY OF STORM RUNOFF.



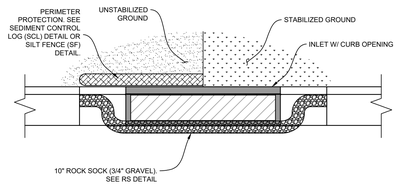
JOINT DETAIL

NOTES
1. SEE DETAIL CS FOR ROCK SOCKS USED IN CURB FLOW LINE.
2. SEE DETAIL IP FOR ROCK SOCKS (CURB SOCK) USED AS ON-GRADE CURB INLET PROTECTION.
3. SEE DETAIL IP-A FOR ROCK SOCKS USED AS SUMP CURB INLET PROTECTION.
4. SEE DETAIL RCS FOR ROCK SOCKS USED AS ROUGH CUT STREET CONTROL.
5. SEE DETAIL CP FOR ROCK SOCKS USED AS CULVERT PROTECTION

INLET PROTECTION - CURB (IP)
N.T.S.

DEFINITION
A TEMPORARY SEDIMENT CONTROL MEASURE PLACED AROUND A STORM DRAIN CURB INLET.

PURPOSE
TO REDUCE THE AMOUNT OF SEDIMENT AND DEBRIS ENTERING STORM DRAINAGE SYSTEMS PRIOR TO PERMANENT STABILIZATION OF DISTURBED AREAS.

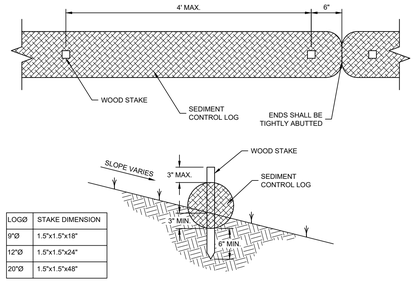


PLAN
N.T.S.

SEDIMENT CONTROL LOG (SCL)
N.T.S.

DEFINITION
A WATTLE WITH AN EXCELSIOR, STRAW, COMPOST, OR COCONUT FILL MATERIAL CONSTRUCTED TO CREATE A PERVIOUS FILTER, ABLE TO FACILITATE OVERTOPPING.

PURPOSE
TO PROMOTE SEDIMENTATION ON THE UPGRADIENT SIDE AND REDUCE STORM RUNOFF VELOCITY.

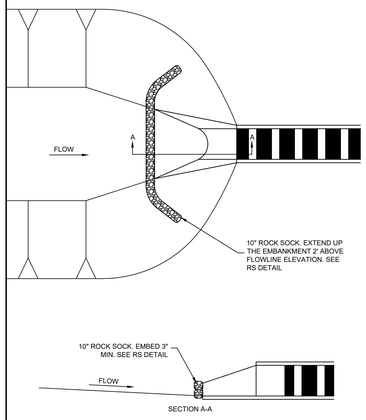


LOGØ	STAKE DIMENSION
9"Ø	1.5"x1.5"x16"
12"Ø	1.5"x1.5"x24"
20"Ø	1.5"x1.5"x48"

CULVERT PROTECTION (CP)
N.T.S.

DEFINITION
A SEDIMENT FILTER PLACED AROUND A STORM CULVERT INLET.

PURPOSE
TO REDUCE SEDIMENT FROM ENTERING STORM DRAINAGE SYSTEMS PRIOR TO PERMANENT STABILIZATION OF DISTURBED AREAS.



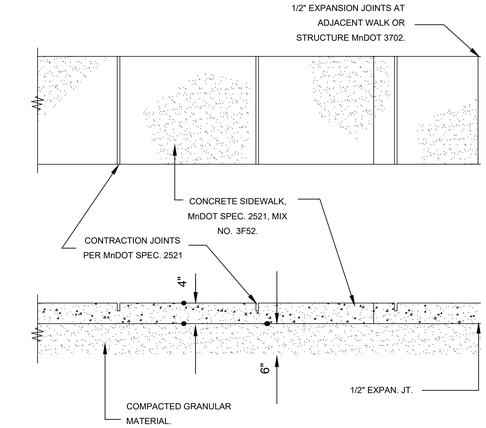
SECTION A-A

INLET PROTECTION - AREA IN SUMP (IP-A)
N.T.S.

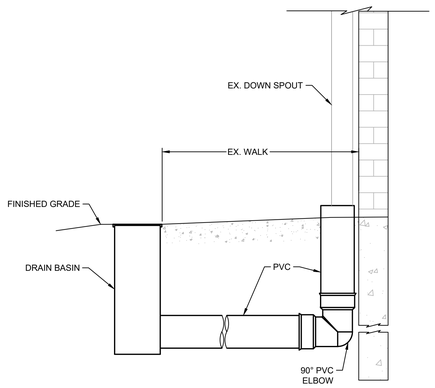
DEFINITION
A TEMPORARY SEDIMENT CONTROL MEASURE PLACED AROUND THE PERIMETER OF A STORM DRAIN AREA INLET.

PURPOSE
TO REDUCE THE AMOUNT OF SEDIMENT AND DEBRIS ENTERING STORM DRAINAGE SYSTEMS PRIOR TO PERMANENT STABILIZATION OF DISTURBED AREAS.

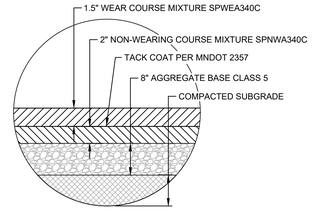
SECTION A-A



TYPICAL SIDEWALK DETAIL
N.T.S.

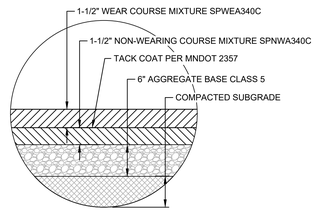


DOWNSPOUT CONNECTION
N.T.S.



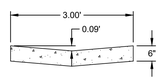
HEAVY DUTY BITUMINOUS PAVEMENT SECTION*
N.T.S.

* PAVEMENT SECTION BASED ON RECOMMENDATION OF GEOTECHNICAL ENGINEER. FINAL APPROVAL OF PAVEMENT SECTION PER OWNER.

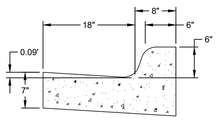


LIGHT DUTY BITUMINOUS PAVEMENT SECTION
N.T.S.

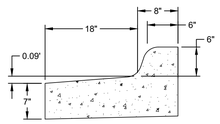
* PAVEMENT SECTION BASED ON RECOMMENDATION OF GEOTECHNICAL ENGINEER. FINAL APPROVAL OF PAVEMENT SECTION PER OWNER.



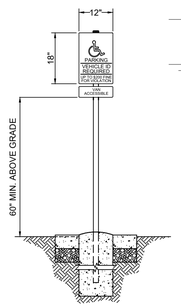
CONCRETE V-PAN DETAIL
N.T.S.



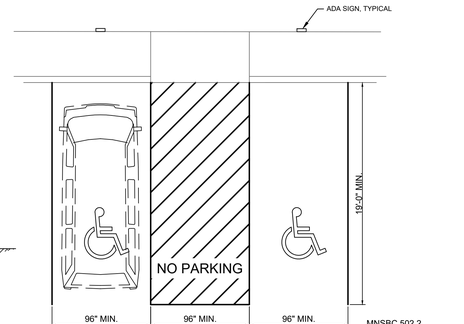
B618 CATCH CURB
N.T.S.



B618 SPILL CURB
N.T.S.



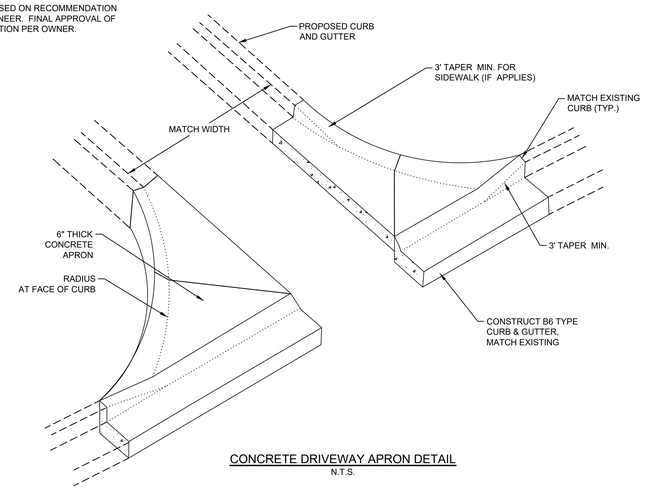
ADA SIGN
N.T.S.



ADA PARKING SPACE LAYOUT
N.T.S.

MNSBC 502.2
VEHICLE SPACE SIZE

MNSBC 502.4
ACCESS AISLE WIDTH



CONCRETE DRIVEWAY APRON DETAIL
N.T.S.

Nelson Care Center Renovation

420 12th Ave E,
Alexandria, MN 56308

246040

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Revisions		
Description	Date	Num

Comm: 25012
Date: 08/29/2025
Drawn: LEH
Check: MRH
North

CONSTRUCTION DETAILS

Scale: As Indicated

C5.0

MN

S

Architect Zone 2/3/2020 Nelson Care Center Renovation/246040 Wold Care Center_Wold_2020.rvt
Central Model: /a-wold.com/acad/Projects/Active Projects/246040 - Nursing Home Modernization & Expansion/Wold Care Center_Nursing Home Modernization & Expansion_246040_Wold Architects and Engineers_Central.rvt
8/29/2025 11:43:00 AM

STRUCTURAL SYMBOLS

- DIMENSIONAL LUMBER
- WOOD BLOCKING
- STEEL OR METAL
- CONCRETE BLOCK - HOLLOW OR SOLID
- FACE OR COMMON BRICK
- RIGID INSULATION
- STRUCTURAL INSULATED PANELS (SIPs)
- SHEATHING
- EARTH, FILL OR BACKFILL
- SAND
- GROUT OR CONCRETE TOPPING
- CONCRETE
- EXISTING ELEMENT - MATERIAL VARIES
- AREA DESIGNED FOR SOLAR PANEL SURCHARGE LOAD
- SNOW DRIFT SURCHARGE LOAD
- TOP RETURN WELD AND LENGTH / BOTTOM RETURN WELD AND LENGTH — RETURN WELD SYMBOL
- SECTION NUMBER / DRAWING NUMBER WHERE SECTION IS FOUND
- DETAIL NUMBER / DRAWING NUMBER WHERE DETAIL IS FOUND
- ELEVATION NUMBER / DRAWING NUMBER WHERE ELEVATION IS FOUND

- BP1 — BEARING PLATE MARK - SEE SCHEDULE
- CJ — CMU CONTROL JOINT
- SC1 CC1 PC1 — COLUMN MARK - STEEL, CONCRETE, OR PRECAST - SEE SCHEDULE
- XXX PLF — DESIGN DIAPHRAGM SHEAR FORCE TO BE RESISTED BY PRECAST WALL PANEL OR COLD-FORMED STEEL SHEAR WALL. SEE PLAN NOTES FOR LOAD TYPE.
- DP1 — DRILLED PIER MARK - SEE SCHEDULE
- EP1 — EMBED PLATE MARK - SEE SCHEDULE
- CF4.0 — FOOTING MARK FOR COLUMNS - SEE SCHEDULE
- WF2.0 — FOOTING MARK FOR WALLS - SEE SCHEDULE
- 1 — KEY NOTES - SPECIFIC NOTES KEYED TO AN ELEMENT OR AREA. SEE SCHEDULE
- ML1 SL1 QL1 — LINTEL MARK - MASONRY, STEEL, OR CONCRETE - SEE SCHEDULE
- MP1 CP1 — PIER MARK - MASONRY OR CONCRETE - SEE SCHEDULE
- PC1 — PILE CAP MARK - SEE SCHEDULE
- 1 — REVISION MARK - INDICATES A CHANGE AFTER CONTRACT DOCUMENT ISSUE
- SW1 — SHEAR WALL MARK - SEE SCHEDULE
- SR1 — STUD RAIL MARK - SEE SCHEDULE
- MW1 CW1 — WALL REINFORCING MARK - MASONRY OR CONCRETE - SEE SCHEDULE
- WW1 — STRUCTURAL WOOD WALL MARK - SEE SCHEDULE
- WW 6 16 — NON-TYPICAL STRUCTURAL WOOD WALL MARK
- A — GRID BUBBLE

- MATCHLINE
- EXISTING BUILDING LINE
- HIDDEN EXISTING BUILDING LINE
- BREAK LINE
- DIRECTION OF SLOPE
- BEAM OR COLUMN SPLICE
- BEAM CONTINUOUS OVER SUPPORT
- MOMENT CONNECTION FOR BEAM
- LOCATION OF BEAM BRACE
- SPAN OF STRUCTURAL ELEMENT
- HIGH END OF BRACE / LOW END OF BRACE — LOCATION OF BRACED FRAME
- SLAB REINFORCING - TOP BARS
- SLAB REINFORCING - BOTTOM BARS
- DIMENSION LINES
- MATERIAL LIMIT LINES
- MATERIAL NOT INCLUDED IN LIMIT LINES
- FOOTING STEP
- TOP OF WALL STEP (WS)
- CENTERLINE
- PIPE
- TOP OF SLAB ELEVATION CHANGE (STEPPED OR SLOPED)
- TOP OR BOTTOM OF SLAB ELEVATION CHANGE (STEPPED)

STRUCTURAL ABBREVIATIONS

#	Pound or Number
&	And
/	Per
@	At
Ø	Diameter
AB	Anchor Bolt
ADDN'L	Additional
AFF	Above Finished Floor
ALT	Alternate
ARCH	Architect or Architectural
BI	Bottom of Element
BB	Bond Beam
BLDG	Building
BM	Beam
BOT	Bottom
BP	Bearing Plate or Bent Plate
BRG	Bearing
BSMT	Basement
BTWN	Between
C	Channel
C&C	Components and Cladding
CANT	Cantilever
CFS	Cold-Formed Steel
COS	Center of Gravity of Steel
CIP	Cast in Place
CJ	Control Joint
CJP	Complete Joint Penetration
CL	Center Line
CLR	Clear
CMU	Concrete Masonry Unit
CNXN	Connection
COL	Column
COMP	Composite
CONC	Concrete
CONN	Connection
CONST	Construction
CONT	Continuous
CTR	Center
CTR'D	Centered
DBA	Deformed Bar Anchor
DEFL	Deflection
DIA	Diameter
DIAG	Diagonal
DIM	Dimension
DL	Dead Load
DTL	Detail
DWG(S)	Drawing(s)
DWL(S)	Dowel(s)
E	East
EA	Each
EF	Each Face
EJ	Expansion Joint
EL	Elevation
ELEC	Electrical
ELEV	Elevator
EOR	Engineer of Record
EQ	Equal
EW	Each Way
E-W	East - West
EXP	Expansion
EXT	Exterior
FDN	Foundation
Fe	Effective Force (P.T.)
FFE	Finished Floor Elevation
FLG	Flange
FLR	Floor
FRT	Fire Retardant Treated
FS	Far Side
FT	Foot
FTG	Footing
FV	Field Verify
GA	Gauge
GALV	Galvanized
GB	Grade Beam
GC	General Contractor
GLU-LAM	Glue Laminated Wood
GSN	General Structural Notes
H	H Shaped Column
HAS	Headed Anchor Stud
HDG	Hot-Dip Galvanized
HK	Hook
HORIZ	Horizontal
HS	Headed Stud(s)
HSS	Hollow Structural Section
ID	Inside Diameter
IE	Invert Elevation
IF	Inside Face
IN	Inch
INFO	Information
INSUL	Insulation
INT	Interior
JST(S)	Joist(s)
JT	Joint
K	Kips
KIP	1 Kip = 1,000 lbs
KLF	Kips per Linear Foot
KSF	Kips per Square Foot
KSI	Kips per Square Inch
L	Angle
LL	Live Load
LLH	Long Leg Horizontal
LLV	Long Leg Vertical
LSH	Long Side Horizontal
LSL	Laminated Strand Lumber
LSV	Long Side Vertical
LVL	Laminated Veneer Lumber
LWC	Light Weight Concrete
M	Moment
MAS	Masonry
MAT	Material
MAX	Maximum
MC	Miscellaneous Channel
MECH	Mechanical
MEP	Mechanical, Electrical, and Plumbing
MEZZ	Mezzanine
MFG	Manufacturer or Manufacturing
MIN	Minimum
MISC	Miscellaneous
MO	Masonry Opening
MPH	Miles per Hour
N	North
NO	Number
NOM	Nominal
N-S	North - South
NS	Near Side
NTS	Not To Scale
NWC	Normal Weight Concrete
OC	On Center
OD	Outside Diameter
OF	Outside Face
OPNG	Opening
OPP	Opposite
PAF	Power Actuated Fasteners
PC	Precast
PCF	Pounds per Cubic Foot
PDF	Power Driven Fasteners
PERP	Perpendicular
PJP	Partial Joint Penetration
PL	Plate
PLF	Pound per Linear Foot
PSF	Pound per Square Foot
PSI	Pound per Square Inch
PSL	Parallel Strand Lumber
PT	Post-Tensioned/Tensioning
REBAR	Reinforcing Bar
REINF	Reinforcing or Reinforce
REQ'D	Required
RXN	Reaction
S	South
SCH	Schedule
SHT	Sheet
SIM	Similar
SIPs	Structural Insulated Panels
SL	Snow Load
SOG	Slab on Grade
SPEC	Specification
SPA	Spaces
SQ	Square
STD	Standard
STL	Steel
STRUCT	Structure
T&B	Top and Bottom
T/	Top of Element
TEMP	Temporary or Temperature
THRU	Through
TOB	Top of Beam
TOF	Top of Footing
TOS	Top of Slab
TYP	Typical
UNO	Unless Noted Otherwise
V	Shear
VER	Verify
VERT	Vertical
VIF	Verify in Field
W	West or Wide Flange
W/	With
W/O	Without
WD	Wood
WL	Wind Load
WND	Window
WP	Workpoint
WS	Wall Step
WSP	Wood Structural Panel
WT	Weight
WWF	Welded Wire Fabric

GENERAL STRUCTURAL NOTES

These notes are provided for typical conditions. See plans and details for specific requirements in other areas.

EXISTING CONDITIONS
Verify all dimensions, elevations, and details of existing structure where they affect this construction.
Notify engineer if there are any deviations from the contract documents.
Obtain prior approval from Structural Engineer before cutting openings or recesses or making other modifications to existing structure not shown on structural drawings.

COORDINATION – ARCHITECTURAL, MECHANICAL AND ELECTRICAL ITEMS
Verify all depressions, dimensions, elevations, openings, equipment supports, and details and coordinate by reference to architectural, mechanical, and electrical drawings.

OPENINGS
Verify size and location of all openings with architectural, mechanical, and electrical drawings. Structural drawings do not necessarily show all openings.
Place openings in floor and roof not shown on structural drawings between structural members. Notify Structural Engineer before openings larger than 12" in any dimension are added. See specific material sections for required clear spacing between openings.
Obtain prior approval from Structural Engineer before making any openings through structural members if the openings are not shown on the structural drawings.

DESIGN CODES AND STANDARDS
International Building Code (IBC) 2018 – As amended by the *Minnesota State Building Code 2020*
American Society of Civil Engineers (ASCE) 7-16 – *Minimum Design Loads and Associated Criteria for Buildings and Other Structures*
American Concrete Institute (ACI) 318-14 – *Building Code Requirements for Structural Concrete*
The Masonry Society (TMS) 402/602-2016 – *Building Code Requirements and Specification for Masonry Structures*
American Institute of Steel Construction 360-16 – *Specification for Structural Steel Buildings* (AISC 360)
American Institute of Steel Construction – *Steel Construction Manual* – Fifteenth Edition (AISC 15th)
American Welding Society D1.1-2015 – *Structural Welding Code – Steel* and D1.3-2008 – *Structural Welding Code – Sheet Steel* as modified by AISC Specifications
Steel Deck Institute RD-2017 – Standard for Steel Roof Deck (SDI RD)
American Iron and Steel Institute (AISI) S100-16 – *North American Specification for the Design of Cold-Formed Steel Structural Members*
American Wood Council – *National Design Specification for Wood Construction* (NDS) – 2018 Edition with 2018 NDS Supplement
American Wood Council – *Special Design Provisions for Wind and Seismic* (SDPWS) – 2015 Edition

DESIGN STRESSES
Reinforcing Steel (F_y)
- 60,000 psi (A615, Grade 60)

Concrete (f'_c) (28-day compressive strength)
- 5,000 psi for exterior concrete
- 4,000 psi unless noted
- 4,000 psi for interior slab on grade
- 3,000 psi for footings
- 3,000 psi (pre-mixed grout) for masonry cores, lintels, and bond beams
- 5,000 psi for non-shrink grout (ASTM C1107)

Masonry (28-day compressive strength)
- 2,000 psi prism strength (f'_m)
  - 2,000 psi CMU compressive strength
  - 3,000 psi grout strength

Structural Steel (F_y)
- 50,000 psi (A992 or A572 Grade 50) for W shapes
- 36,000 psi (A36) for bars, plates, angles, and other shapes
- 50,000 psi (A500, Grade C) for rectangular structural tubing
- 46,000 psi (A500, Grade C) for round structural tubing
- 35,000 psi (A53, Type E or S, Grade B) for pipes
- 55,000 psi (F1554, Grade 55) for anchor rods
- 70,000 psi (E70XX) for welding electrodes

Wood (Base Design Values subject to modification per NDS)
- See Wood Design Stresses Schedule on sheet S6.201

DESIGN LOADS
Roof Loads:
- Roof Dead Load: 23 psf superimposed.
- Roof Snow Load Parameters
  - Ground Snow Load: 50 psf
  - Exposure Factor (C_e): 1.0
  - Occupancy Importance Factor: 1.0
  - Thermal Factor (C_t): 1.1 (typical), 1.2 (canopy)
  - Flat-Roof Snow Load (P_f): 38.5 psf (typical), 42 psf (canopy)
- Snow Drift Loads: In accordance with ASCE 7 Chapter 7.

Wind Loads:
- ASCE 7 Directional Procedure Parameters:
  - Risk Category: II
  - Exposure: C
  - Basic design wind speed: 110 MPH (3 second gust)
  - Allowable stress design wind speed: 85 MPH
  - Wind Directionality Factor (K_d): 0.85
  - Topographic Factor (K_{zt}): 1.0
  - Ground Elevation Factor (K_e): 0.97
  - Internal Pressure Coefficient ((GC_{pi}): +/-0.18
- Components and Cladding Wind Loads (ultimate):
  - Roof Uplift:
    - Interior Zones: 16 psf
    - Edge Zones: 30 psf (within 7'-0" of edge, beyond corner zone)
    - Corner Zones: 45 psf (within 7'-0" of corner and 2'-3 of edge)
    - Overhangs: 52 psf
  - Walls:
    - Interior Zones: 23 psf
    - Corner Zones: 25 psf (within 4'-6" of corner)

Seismic Loads
- Seismic design not required per MSBC 1305.0011 Subparagraph 4.

TEMPORARY BRACING
This structure is a non-self-supporting steel frame that requires interaction with slabs, steel deck, and masonry or concrete walls to provide the required lateral stability. Provide required temporary bracing for structural steel until permanent bracing, slabs, steel deck, and walls are in place.
This structure is a non-self-supporting wood frame that requires interaction with slabs, floor sheathing, and wood shear walls to provide the required lateral stability. Provide required temporary bracing until permanent bracing, floors, and walls are in place.
Provide temporary bracing for all walls (concrete, masonry, cold formed steel, or wood) until they are of adequate design strength and are properly anchored in final form.

GEOTECHNICAL INFORMATION
An assumed soil bearing value of 2000 psf is used in the foundation design and must be verified by a licensed professional geotechnical engineer prior to placement of concrete footings or slabs.

BACKFILLING
Backfill and materials behind foundation and retaining walls shall be as outlined in the Geotechnical Report.
Do not backfill or compact earth against walls retaining earth until supporting slabs have reached 75% of their design strength or adequate bracing is in place. Provide bracing drawings designed and certified by an Engineer licensed in the state in which the project is located for record only.
Backfill evenly on both sides of foundation walls to prevent overturning or lateral wall movement.

SHORING
Provide temporary shoring for existing construction until new construction is in place and properly anchored in final form.
Shoring loads for existing structure are shown in the documents. Provide shoring drawings including shoring loads designed and certified by an Engineer licensed in the state in which the project is located for record only.

CONCRETE REINFORCING GENERAL
Provide standard hooks where hook lengths are not specified.
See Class 'A' and 'B' Tension Lap Splice Tables on sheet S6.201 for required reinforcing splice lengths.
Provide epoxy coated reinforcing for all concrete exposed to weather such as retaining walls, and exterior walls, piers, columns, slabs, and paving. Epoxy coated reinforcing is not required for building foundation walls unless specifically noted.

CONCRETE COVER ON REINFORCING

Footings:	3" clear bottom and sides
	2" clear top
Walls:	1½" clear outside face and surfaces exposed to earth or weather (2" for #6 bars or larger)
Piers:	1½" clear to ties or stirrups
Slab on Grade:	Place reinforcing in upper third of slab (minimum 3/4" clear top)

FOOTINGS
For wall footings, provide 32 bar diameter lap at reinforcing splices and full crossing lap at intersections.
Center wall footings under walls and column footings under piers and columns.
Footing elevations shown on plan are to top of footing (TOF).
Hook wall and column dowels at 3" clear bottom of footing.
See 8/S5.201 for underground MEP pipe guidelines adjacent to interior slab on grade thickened footings.

CONCRETE SLABS ON GRADE
See detail 3/S5.201 for control/construction joints.
If control joints are not shown on plan, place control/construction joints at columns and provide additional joints to meet the spacings indicated below:
- Exterior slabs, 10'-0" oc maximum
- Interior slabs, 12'-0" oc maximum

"L" shaped panels and rectangular panels (with length to width ratio greater than 1.5) are not allowed.
All control/construction joints must be continuous and not staggered or offset.
See detail 4/S5.201 for typical slab on grade step.
See Specification for micro fiber reinforcing options where micro fiber reinforcing is noted on plan.

POURED CONCRETE WALLS
Provide corner bars to match size and spacing of horizontal wall reinforcing at intersecting walls. Hook lengths to match horizontal bar lap lengths, see plan notes.
See detail 5/S5.201 for openings in walls up to 12" wide. All openings larger than 12" shall have:
- 1 - #4 x 4'-0" each face diagonal at each corner
- 1 - #5 each face, each side of opening, extend 2'-0" beyond opening
- Maintain minimum 12" of wall above openings.

Groups of openings shall be reinforced as a single opening unless clear spacing between openings is at least 16".
Notify EOR of openings (or groups of openings) wider than 40" in concrete walls where not shown on structural drawings.
Wall reinforcing is continuous through columns, unless detailed otherwise.
See detail 6/S5.201 for typical vertical control/construction joints.

STRUCTURAL UNIT MASONRY WALLS
For grout installed in existing walls exceeding 4'-0" in height, use self-consolidating grout and provide cleanouts at base of wall. Coordinate with architect for cleanout locations when wall to remain exposed in final condition.

STRUCTURAL UNIT MASONRY LINTELS
Fill a minimum of two block courses below lintel bearing.
In masonry bearing walls, locate mechanical openings minimum 1'-4" from beam bearing locations and control joints. Do not locate openings within piers or lintels.
Bear lintels 8" min each side of opening. Provide non-shrink grout below bearing at wide flange lintels.
Provide minimum lintels as follows based on opening width and wall width:
- See detail 7/S5.201 for openings up to 12" wide.
- For openings 12" to 36" wide:
  - 2 - L5x3½x5/16 LLV in 8" CMU walls.
  - 2 - L6x6x5/16 in 12" CMU walls.
- For openings 36" to 72" wide:
  - W8x18 with 5/16" bottom plate in 8" and 12" CMU walls.

See mechanical drawings for opening locations. For openings greater than 72" wide not shown on structural drawings, submit proposed openings to Structural Engineer for review prior to placement. Multiple openings within 24" clear of each other are considered a single opening.
If opening occurs next to concrete column, bolt L3x3x5/16 to column with two ½"Ø x6" expansion bolts and rest lintel on angle.
If opening occurs next to steel columns weld L3x3x5/16 to column and rest lintel on angle.

STRUCTURAL STEEL
Structural steel fabrication and construction shall conform to the AISC "Manual of Steel Construction" and the AISC "Code of Standard Practice for Steel Buildings and Bridges".
Galvanize structural steel exposed to weather and brick support angles in exterior walls according to ASTM A123 except where noted. Provide galvanized steel fasteners for use with galvanized structural steel.
Do not field cut or alter structural members without approval of the Structural Engineer.

STRUCTURAL STEEL CONNECTIONS
Typically, provide welded or bolted shop connections and bolted field connections.
Typical bolts are 3/4" Ø A325-N bolts in standard or short slotted holes.
Provide shear connections according to the standard Connection Tables on sheet S6.201 and as follows:
- Use single plate connections for all beams that connect to HSS columns. Double angle connection or single plate connection may be used for other beams.
- For skewed girder connections, use a single plate connection with a capacity equal to or greater than the double angle connection for that beam size.
- Beams that connect to a column or wall on either end and support the load from another beam are considered girders. Beams supporting precast plank floors are considered girders.
- Beams requiring a non-typical connection will be noted on the drawings as DA-X for double angle connections or SP-X for single plate connections (where X denotes the number of bolt rows in the connection).

STEEL ROOF DECK
See detail 1/S5.211 for deck fastening.
Locate deck splices at supports.
Provide reinforcing at openings that cut vertical flute webs, including, but not limited to, roof drains, mechanical duct work, and piping. See detail 4/S5.211 for reinforcing at new and existing 1½" wide rib deck. For openings in all other deck types, see details 2/S5.211 & 3/S5.211 for angle frames at new and existing deck.
Weld deck to angle frames with 5/8" diameter puddle welds at 12"OC.
Allowable point loads applied to steel deck are controlled by the following:
- Maximum of 250 pounds in any 5'-0"x5'-0" square area.
- Maximum of 100 pounds on any individual hanger location.

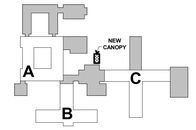
The total mechanical load applied to a deck-supporting member shall not exceed 5 pounds per square foot uniform load.

DIMENSION LUMBER
All member sizes given on drawings are nominal dimensions.
Provide joist bridging at 8'-0"OC maximum.
Provide 3" minimum bearing each end for wood lintels and headers.
Double all solid wood joists under parallel partitions.
Frame all beams and joists not bearing on supporting members with joist hangers. Joist hangers shown are Simpson Strong-Tie Products. Alternative products shall have equal or greater capacity. Submit manufacturer's information with shop drawings.
Bear wood joists the full width of supporting members (stud walls, beams, etc.) unless otherwise noted.
Provide fastening per Wood Fastening Schedule on sheet S6.201 unless noted otherwise.
See Wood Shear Wall Schedule on sheet S6.201 for required shear wall hold downs. Contractor to verify all nails and bolts of hold downs are securely fastened before interior finishes are installed. If straps and hold downs are installed before all wood shrinkage has occurred, review installation immediately prior to installing finishes, and tighten or re-nail if loose.
Provide galvanized or stainless steel fasteners in contact with treated lumber.
Provide galvanized steel fasteners for use with galvanized steel hangers/connectors and provide stainless steel fasteners for use with stainless steel hangers/connectors.
See 11/S5.211 for allowable holes or notches in wood studs.
See 12/S5.211 for allowable holes or notches in dimension lumber joists. Refer to manufacturer recommendations for allowable holes or notches in manufactured lumber (rim boards, LVL, PSL). Notify Structural Engineer before cutting holes or notches that exceed these limits.
See 13/S5.211 for floor and wall framing requirements at plumbing chases in bearing walls. Coordinate wall stud and truss locations with MEP to avoid locating trusses within plumbing chases in bearing walls.

SHEET INDEX

S0.000	STRUCTURAL TITLE SHEET
S2.01	MAIN LEVEL FOUNDATION AND ROOF FRAMING PLANS - CANOPY
S2.01b	MAIN LEVEL FOUNDATION PLAN - AREA B
S2.01c	MAIN LEVEL FOUNDATION PLAN - AREA C
S2.02b	ROOF FRAMING PLAN - AREA B
S2.02c	ROOF FRAMING PLAN - AREA C
S5.201	SECTIONS AND DETAILS
S5.211	SECTIONS AND DETAILS
S6.201	SCHEDULES AND DETAILS

KEY PLAN



REQUIRED STRUCTURAL SPECIAL INSPECTIONS

IN ADDITION TO THE REGULAR INSPECTIONS, THE FOLLOWING STRUCTURAL ITEMS REQUIRE SPECIAL INSPECTION IN ACCORDANCE WITH SECTIONS 1704 AND 1705 OF THE INTERNATIONAL BUILDING CODE. SEE SPECIFICATION SECTION 014533 AND MATERIAL SPECIFICATION SECTIONS FOR SPECIFIC REQUIREMENTS. CONSTRUCTION NOT ASSOCIATED WITH THE STRUCTURAL SYSTEM MAY REQUIRE SPECIAL INSPECTION BUT IS NOT LISTED HERE.

ITEM	REQUIRED?	REMARKS
1. Soils compliance prior to foundation construction	YES	Reference IBC 1705.6
2. Column footings	NO	Building is 3 stories or less in height
3. Wall footings	NO	Footing concrete designed for f'c 2500 psi. Building is 3 stories or less in height
4. Structural concrete	YES	Reference IBC table 1705.3 and MSBC 1305.1705
5. Reinforcing steel	YES	Reference IBC table 1705.3
6. Bolts installed in concrete	YES	Reference IBC table 1705.3
7. Post-installed anchors	YES	Reference IBC table 1705.3
8. Structural steel fabrication	YES	May be performed by fabricator if fabricator is AISC certified. Reference IBC 1705.2 and AISC 360 Chapter N
9. Structural steel field welding and high strength bolting	YES	Reference IBC 1705.2.1 and AISC 360 Chapter N
10. Steel decking	YES	Reference IBC 1705.2.2 and SDI QA/QC
11. Seismic Resistance	NO	Reference MSBC 1305.0011 Subp. 4

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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.

Marie G. DesHarnais
License Number: **55419** Date **08/29/2025**

Revisions

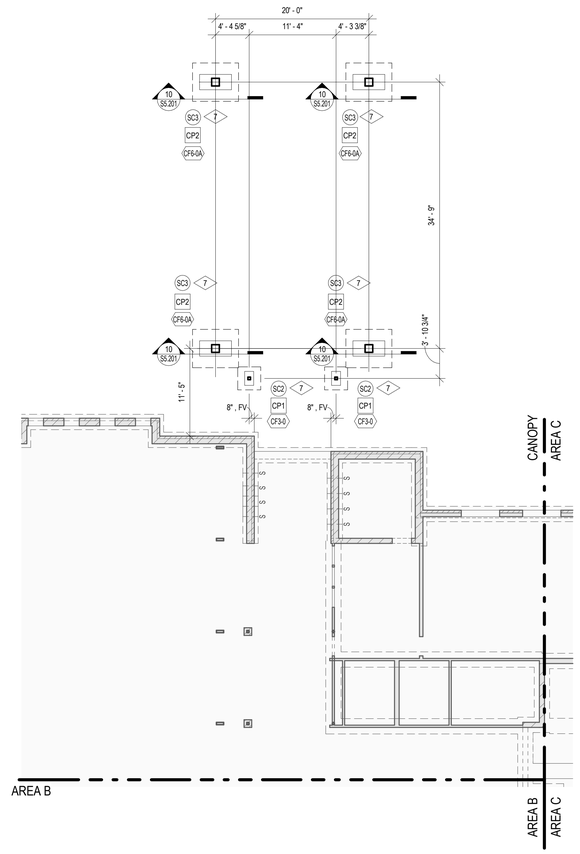
Description	Date	Num

Comm: **246040**
Date: **08/29/2025**
Drawn: **LMB**
Check: **MGD, JMD**

STRUCTURAL TITLE SHEET

S0.000

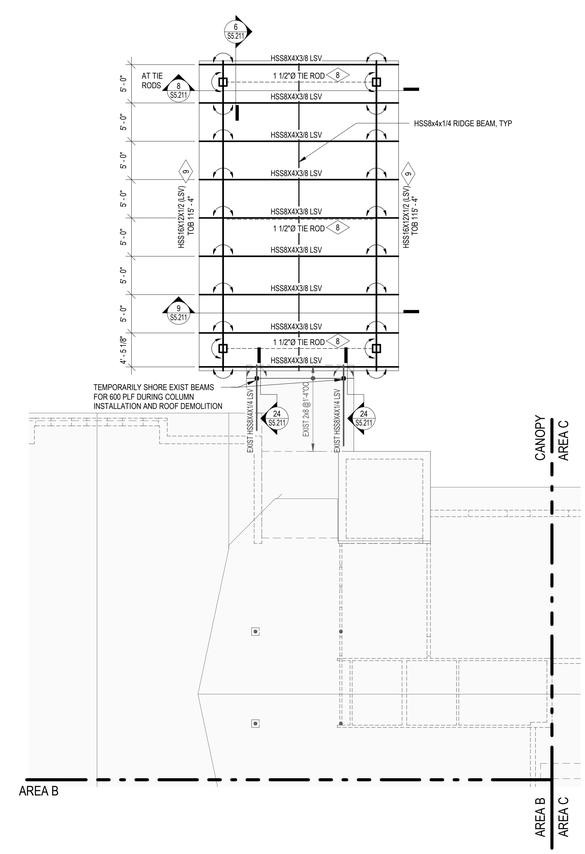
MN



1 S2.01 MAIN LEVEL FOUNDATION PLAN - CANOPY

UNLESS NOTED OTHERWISE:

1. SEE SHEET S0.000 FOR GENERAL STRUCTURAL NOTES, ABBREVIATIONS AND SYMBOLS.
2. SEE SHEET S5.201 FOR TYPICAL FOOTING AND FOUNDATION DETAILS.
3. SEE SHEET S6.201 FOR SCHEDULES.
4. TOP OF EXTERIOR FOOTING ELEVATION (TOF) AT WALLS AND COLUMNS = 95'-4".
5. PROVIDE SLEEVES FOR ALL PIPES THAT INTERSECT BUILDING FOUNDATIONS. SEE S/SS.201 FOR MEP PIPE GUIDELINES AT THICKENED SLAB FOOTINGS. DO NOT PLACE PIPES UNDER LOW FOOTINGS. COORDINATE LOCATIONS AND ELEVATIONS WITH CIVIL AND MECHANICAL.
6. TOP OF PIER ELEVATION = 100'-4".
7. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RAMPS, SLAB SLOPES, STEPPED SLABS AND PARTITION WALLS.
8. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND DIMENSIONS.



2 S2.01 ROOF FRAMING PLAN - CANOPY

UNLESS NOTED OTHERWISE:

1. SEE SHEET S0.000 FOR GENERAL STRUCTURAL NOTES, ABBREVIATIONS, AND SYMBOLS.
2. SEE SHEET S6.201 FOR SCHEDULES.
3. 1 1/2" - 20GA. WIDE RIB ROOF DECK.
4. SEE 1/SS.211 FOR TYPICAL DECK ATTACHMENT TO SUPPORTS.
5. SEE GENERAL STRUCTURAL NOTES FOR TYPICAL ROOF FRAMING AT OPENINGS WIDER THAN 6". COORDINATE WITH ARCHITECTURAL/MECHANICAL DRAWINGS FOR OPENING LOCATION AND SIZE.
6. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF PARTITION WALLS.
7. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND DIMENSIONS.

KEYNOTES

7	EXPOSED STEEL COLUMN TO BE AESS 2, PAINTED.
8	EXPOSED STEEL TIE ROD TO BE AESS 2, PAINTED.
9	EXPOSED STEEL BEAM TO BE AESS 2, PAINTED.

AESS CATEGORY MATRIX

CATEGORY / CHARACTERISTICS	AESS C CUSTOM ELEMENTS	AESS 4 SHOWCASE ELEMENTS	AESS 3 FEATURE ELEMENTS IN CLOSE VIEW (<20 FT)	AESS 2 FEATURE ELEMENTS NOT IN CLOSE VIEW (>20 FT)	AESS 1 BASIC ELEMENTS	SSS STANDARD STRUCTURAL STEEL
1.1 SURFACE PREPARATION TO SSPC-SP 6		X	X	X	X	
1.2 SHARP EDGES GROUND SMOOTH		X	X	X	X	
1.3 CONTINUOUS WELD APPEARANCE		X	X	X	X	
1.4 STANDARD STRUCTURAL BOLTS		X	X	X	X	
1.5 WELD SPATTERS REMOVED		X	X	X	X	
2.1 VISUAL SAMPLES		OPTIONAL	OPTIONAL	OPTIONAL		
2.2 ONE-HALF STANDARD FABRICATION TOLERANCES		X	X	X		
2.3 FABRICATION MARKS NOT APPARENT		X	X	X		
2.4 WELDS UNIFORM AND SMOOTH		X	X	X		
3.1 MILL MARKS REMOVED		X	X			
3.2 BUTT AND PLUG WELDS GROUND SMOOTH AND FILLED		X	X			
3.3 HSS WELD SEAM ORIENTED FOR REDUCED VISIBILITY		X	X			
3.4 CROSS SECTIONAL ABUTTING SURFACE ALIGNED		X	X			
3.5 JOINT GAP TOLERANCES MINIMIZED		X	X			
3.6 ALL WELDED CONNECTIONS		OPTIONAL	OPTIONAL			
4.1 HSS SEAM NOT APPARENT		X				
4.2 WELDS CONTOURED AND BLENDED		X				
4.3 SURFACES FILLED AND SANDED		X				
4.4 WELD SHOW-THROUGH MINIMIZED		X				
C.1 ROLLED MEMBERS MINIMIZE DISTORTION						
C.2						
C.3						
C.4						
C.5						

NOTES:

1.1 PRIOR TO BLAST CLEANING, GREASE AND OIL ARE REMOVED BY SOLVENT CLEANING TO MEET SSPC-SP 1.
1.2 ROUGH SURFACES ARE DEBURRED AND GROUND SMOOTH. SHARP EDGES RESULTING FROM FLAME CUTTING, GRINDING, AND ESPECIALLY SHEARING ARE SOFTENED.
1.3 INTERMITTENT WELDS ARE MADE CONTINUOUS, EITHER WITH ADDITIONAL WELDING, CAULKING, OR BODY FILLER. FOR CORROSIVE ENVIRONMENTS, ALL JOINTS ARE SEAL WELDED. SEAMS OF HOLLOW STRUCTURAL SECTIONS ARE ACCEPTABLE AS PRODUCED.
1.4 ALL BOLT HEADS IN CONNECTIONS ARE ON THE SAME SIDE, AS SPECIFIED, AND CONSISTENT FROM ONE CONNECTION TO ANOTHER.
1.5 WELD SPATTER, SLIVERS, AND SURFACE DISCONTINUITIES ARE REMOVED. WELD PROJECTION UP TO 1/16" (2mm) IS ACCEPTABLE FOR BUTT AND PLUG WELD JOINTS.
2.1 VISUAL SAMPLES ARE EITHER A 3-D RENDERING, A PHYSICAL SAMPLE, A FIRST-OFF INSPECTION, A SCALED MOCK-UP, OR A FULL-SCALE MOCK-UP, AS SPECIFIED IN THE CONTRACT DOCUMENTS.
2.2 THESE TOLERANCES ARE ONE-HALF OF THOSE FOR STANDARD STRUCTURAL STEEL AS SPECIFIED IN AISC CODE OF STANDARD PRACTICE.
2.3 MEMBERS MARKINGS DURING THE FABRICATION AND ERECTION PROCESSES ARE NOT VISIBLE.
3.1 ALL MILL MARKS ARE NOT VISIBLE IN THE FINISHED PRODUCT.
3.2 CAULKING OR BODY FILLER IS ACCEPTABLE.
3.3 SEAMS ARE ORIENTED AWAY FROM VIEW OR AS INDICATED IN THE CONTRACT DOCUMENTS.
3.4 THE MATCHING OF ABUTTING CROSS SECTIONS IS REQUIRED.
3.5 THIS CHARACTERISTIC IS SIMILAR TO 2.2 ABOVE. A CLEAR DISTANCE BETWEEN ABUTTING MEMBERS OF 1/8" (3mm) IS REQUIRED.
3.6 HIDDEN BOLTS MAY BE CONSIDERED.
4.1 HSS SEAMS ARE TREATED SO THEY ARE NOT APPARENT.
4.2 IN ADDITION TO A CONTOURED AND BLENDED APPEARANCE, WELDED TRANSITIONS BETWEEN MEMBERS ALSO ARE CONTOURED AND BLENDED.
4.3 THE STEEL SURFACE IMPERFECTIONS ARE FILLED AND SANDED.
4.4 WELD SHOW-THROUGH ON THE BACK SIDE OF A WELDED ELEMENT CAN BE MINIMIZED BY HAND GRINDING THE BACK SIDE SURFACE. THE DEGREE OF WELD-THROUGH IS A FUNCTION OF WELD SIZE AND MATERIAL.
C. ADDITIONAL CHARACTERISTICS MAY BE ADDED FOR CUSTOM ELEMENTS.

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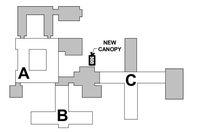


KEY PLAN

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.

Marie G. DesHarnais
License Number: 55419 Date 08/29/2025

Revisions		
Description	Date	Num

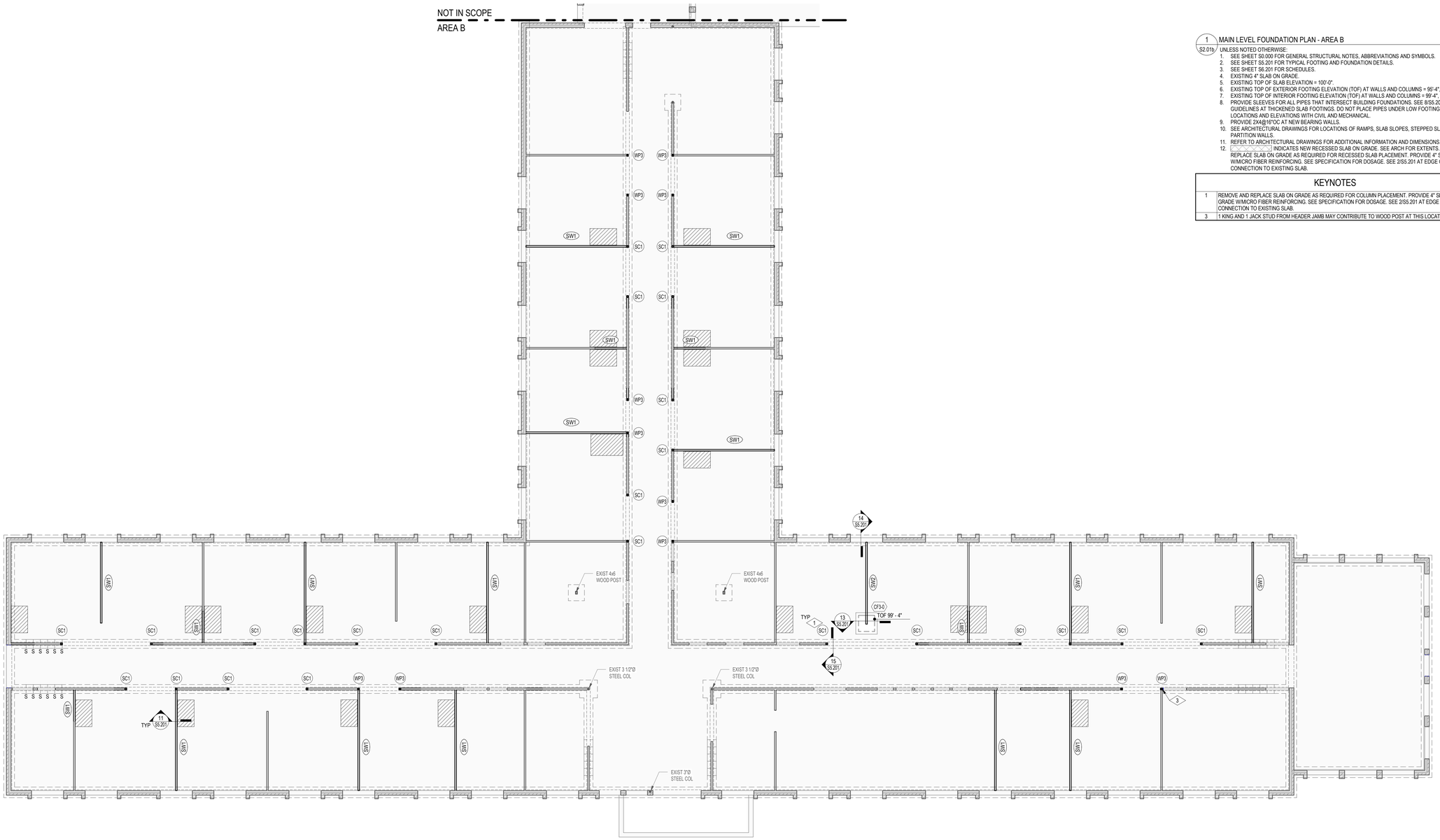
Comm: 246040
Date: 08/29/2025
Drawn: LMB
Check: MGD, JMD

North

MAIN LEVEL FOUNDATION AND ROOF FRAMING PLANS - CANOPY

S2.01

MN



1 S2.01b MAIN LEVEL FOUNDATION PLAN - AREA B

UNLESS NOTED OTHERWISE:

1. SEE SHEET S0.000 FOR GENERAL STRUCTURAL NOTES, ABBREVIATIONS AND SYMBOLS.
2. SEE SHEET S5.201 FOR TYPICAL FOOTING AND FOUNDATION DETAILS.
3. SEE SHEET S6.201 FOR SCHEDULES.
4. EXISTING 4" SLAB ON GRADE.
5. EXISTING TOP OF SLAB ELEVATION = 100'-0".
6. EXISTING TOP OF EXTERIOR FOOTING ELEVATION (TOF) AT WALLS AND COLUMNS = 95'-4", FIELD VERIFY
7. EXISTING TOP OF INTERIOR FOOTING ELEVATION (TOF) AT WALLS AND COLUMNS = 99'-4", FIELD VERIFY
8. PROVIDE SLEEVES FOR ALL PIPES THAT INTERSECT BUILDING FOUNDATIONS. SEE 8/SS.201 FOR MEP PIPE GUIDELINES AT THICKENED SLAB FOOTINGS. DO NOT PLACE PIPES UNDER LOW FOOTINGS. COORDINATE LOCATIONS AND ELEVATIONS WITH CIVIL AND MECHANICAL.
9. PROVIDE 2X4@16"OC AT NEW BEARING WALLS.
10. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RAMPS, SLAB SLOPES, STEPPED SLABS AND PARTITION WALLS.
11. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND DIMENSIONS.
12. [SC1] INDICATES NEW RECESSED SLAB ON GRADE. SEE ARCH FOR EXTENTS. REMOVE AND REPLACE SLAB ON GRADE AS REQUIRED FOR RECESSED SLAB PLACEMENT. PROVIDE 4" SLAB ON GRADE W/MICRO FIBER REINFORCING. SEE SPECIFICATION FOR DOSAGE. SEE 2/SS.201 AT EDGE OF NEW SLAB CONNECTION TO EXISTING SLAB.

KEYNOTES	
1	REMOVE AND REPLACE SLAB ON GRADE AS REQUIRED FOR COLUMN PLACEMENT. PROVIDE 4" SLAB ON GRADE W/MICRO FIBER REINFORCING. SEE SPECIFICATION FOR DOSAGE. SEE 2/SS.201 AT EDGE OF NEW SLAB CONNECTION TO EXISTING SLAB.
3	1 KING AND 1 JACK STUD FROM HEADER JAMB MAY CONTRIBUTE TO WOOD POST AT THIS LOCATION.

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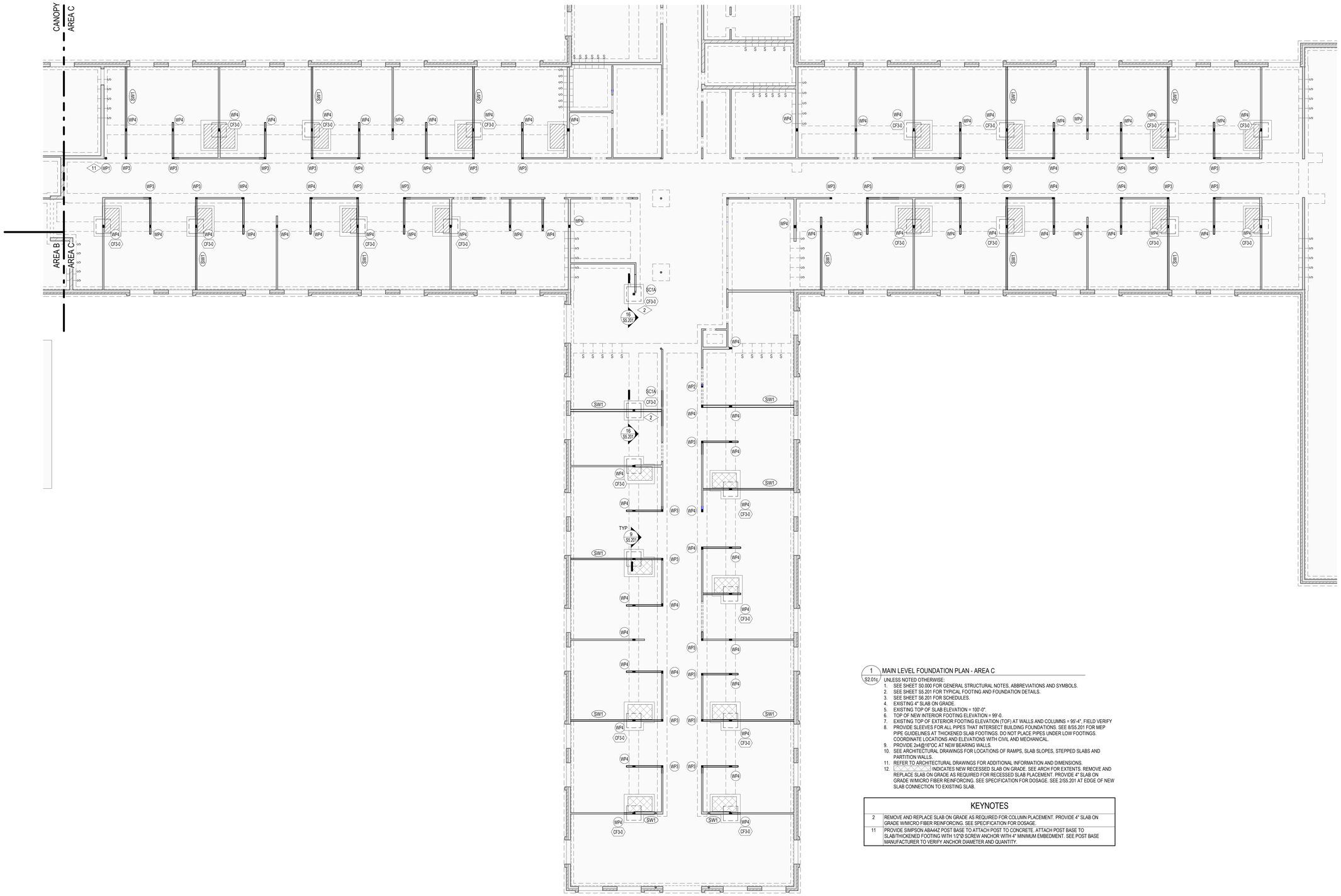
North

MAIN LEVEL FOUNDATION PLAN - AREA B

S2.01b

MN



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1 S2.01c MAIN LEVEL FOUNDATION PLAN - AREA C

UNLESS NOTED OTHERWISE:

1. SEE SHEET S0.000 FOR GENERAL STRUCTURAL NOTES, ABBREVIATIONS AND SYMBOLS.
2. SEE SHEET S5.201 FOR TYPICAL FOOTING AND FOUNDATION DETAILS.
3. SEE SHEET S6.201 FOR SCHEDULES.
4. EXISTING 4" SLAB ON GRADE.
5. EXISTING TOP OF SLAB ELEVATION = 100'-0".
6. TOP OF NEW INTERIOR FOOTING ELEVATION = 99'-0.
7. EXISTING TOP OF EXTERIOR FOOTING ELEVATION (TOF) AT WALLS AND COLUMNS = 95'-4", FIELD VERIFY
8. PROVIDE SLEEVES FOR ALL PIPES THAT INTERSECT BUILDING FOUNDATIONS. SEE 8/S5.201 FOR MEP PIPE GUIDELINES AT THICKENED SLAB FOOTINGS. DO NOT PLACE PIPES UNDER LOW FOOTINGS. COORDINATE LOCATIONS AND ELEVATIONS WITH CIVIL AND MECHANICAL.
9. PROVIDE 2x4@16"OC AT NEW BEARING WALLS.
10. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RAMPS, SLAB SLOPES, STEPPED SLABS AND PARTITION WALLS.
11. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND DIMENSIONS.
12. [redacted] INDICATES NEW RECESSED SLAB ON GRADE. SEE ARCH FOR EXTENTS. REMOVE AND REPLACE SLAB ON GRADE AS REQUIRED FOR RECESSED SLAB PLACEMENT. PROVIDE 4" SLAB ON GRADE W/MICRO FIBER REINFORCING. SEE SPECIFICATION FOR DOSAGE. SEE 2/S5.201 AT EDGE OF NEW SLAB CONNECTION TO EXISTING SLAB.

KEYNOTES

2	REMOVE AND REPLACE SLAB ON GRADE AS REQUIRED FOR COLUMN PLACEMENT. PROVIDE 4" SLAB ON GRADE W/MICRO FIBER REINFORCING. SEE SPECIFICATION FOR DOSAGE.
11	PROVIDE SIMPSON ABA44Z POST BASE TO ATTACH POST TO CONCRETE. ATTACH POST BASE TO SLAB/THICKENED FOOTING WITH 1/2"Ø SCREW ANCHOR WITH 4" MINIMUM EMBEDMENT. SEE POST BASE MANUFACTURER TO VERIFY ANCHOR DIAMETER AND QUANTITY.

Autodesk Docs://246040 - Nelson Care Center Renovation/246040_Nelson Care Center_Revit_R25.rvt
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Nelson Care Center Renovation

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Alexandria, MN 56308

246040

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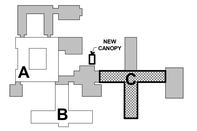


KEY PLAN

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.

Marie G. DesHarnais
License Number: 55419 Date 08/29/2025

Revisions		
Description	Date	Num

Comm: 246040
Date: 08/29/2025
Drawn: LMB
Check: MGD, JMD

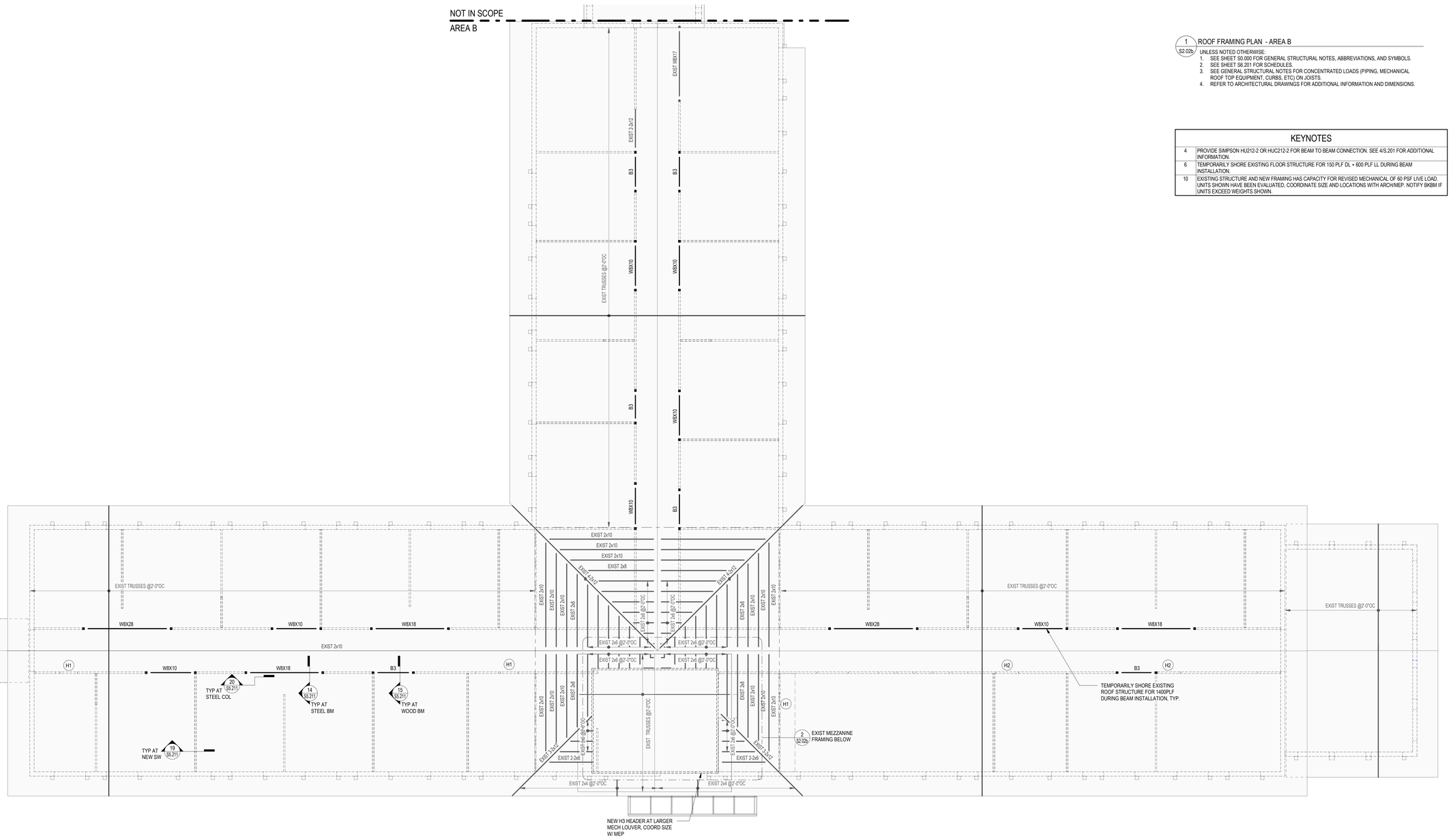
North

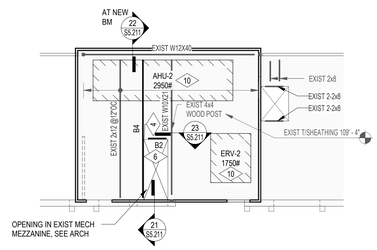
MAIN LEVEL FOUNDATION PLAN - AREA C

S2.01c

MN

S





1 S2.02b ROOF FRAMING PLAN - AREA B

UNLESS NOTED OTHERWISE:
1. SEE SHEET S0.000 FOR GENERAL STRUCTURAL NOTES, ABBREVIATIONS, AND SYMBOLS.
2. SEE SHEET S6.201 FOR SCHEDULES.
3. SEE GENERAL STRUCTURAL NOTES FOR CONCENTRATED LOADS (PIPING, MECHANICAL ROOF TOP EQUIPMENT, CURBS, ETC) ON JOISTS.
4. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND DIMENSIONS.

KEYNOTES	
4	PROVIDE SIMPSON HU212-2 OR HUC212-2 FOR BEAM TO BEAM CONNECTION. SEE 4/S.201 FOR ADDITIONAL INFORMATION.
6	TEMPORARILY SHORE EXISTING FLOOR STRUCTURE FOR 150 PLF DL + 600 PLF LL DURING BEAM INSTALLATION.
10	EXISTING STRUCTURE AND NEW FRAMING HAS CAPACITY FOR REVISED MECHANICAL OF 60 PSF LIVE LOAD. UNITS SHOWN HAVE BEEN EVALUATED, COORDINATE SIZE AND LOCATIONS WITH ARCH/MEP. NOTIFY BKBM IF UNITS EXCEED WEIGHTS SHOWN.

2 S2.02b MEZZANINE FRAMING PLAN

UNLESS NOTED OTHERWISE:
1. SEE SHEET S0.000 FOR GENERAL STRUCTURAL NOTES, ABBREVIATIONS, AND SYMBOLS.
2. SEE SHEET S6.201 FOR SCHEDULES.
3. SEE GENERAL STRUCTURAL NOTES FOR CONCENTRATED LOADS (PIPING, MECHANICAL ROOF TOP EQUIPMENT, CURBS, ETC) ON JOISTS.
4. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND DIMENSIONS.

Nelson Care Center Renovation

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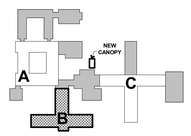

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Marie G. DesHarnais
License Number: 55419 Date: 08/29/2025

Revisions		
Description	Date	Num

Comm: 246040
Date: 08/29/2025
Drawn: LMB
Check: MGD, JMD

North

ROOF FRAMING PLAN - AREA B

S2.02b

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_Revit_R23.rvt
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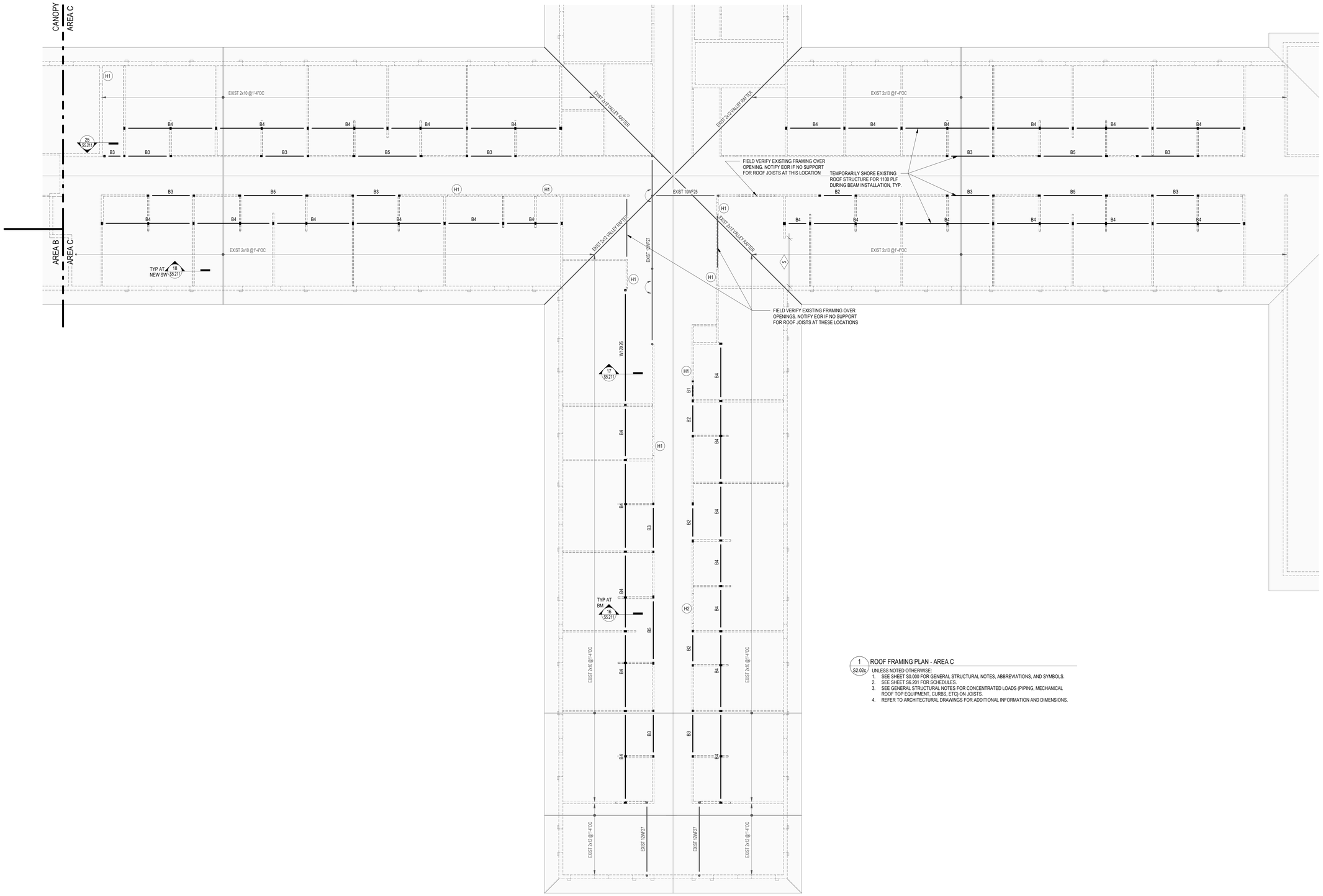

1 S2.02c ROOF FRAMING PLAN - AREA C

UNLESS NOTED OTHERWISE:

1. SEE SHEET S0.000 FOR GENERAL STRUCTURAL NOTES, ABBREVIATIONS, AND SYMBOLS.
2. SEE SHEET S6.201 FOR SCHEDULES.
3. SEE GENERAL STRUCTURAL NOTES FOR CONCENTRATED LOADS (PIPING, MECHANICAL ROOF TOP EQUIPMENT, CURBS, ETC) ON JOISTS.
4. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND DIMENSIONS.

MN

S

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Central: https://connect.bkbm.com/projects/S2_Nelson%20Care%20Center_Revit_MN/Architectural Nelson - Nursing Home Renovation Detailed 25R19.rvt
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Nelson Care Center Renovation

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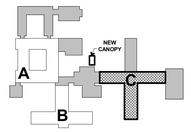

KEY PLAN

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Marie G. DesHarnais
License Number: **55419** Date: **08/29/2025**

Revisions		
Description	Date	Num

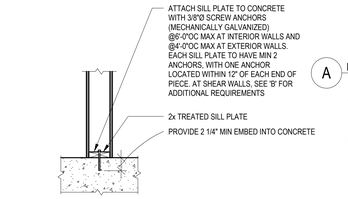
Comm: **246040**
Date: **08/29/2025**
Drawn: **LMB**
Check: **MGD, JMD**

North

ROOF FRAMING PLAN - AREA C

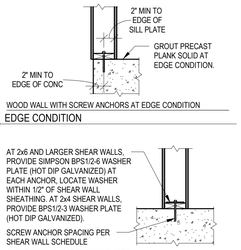
S2.02c

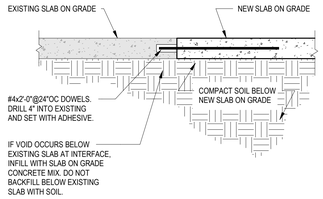
MN



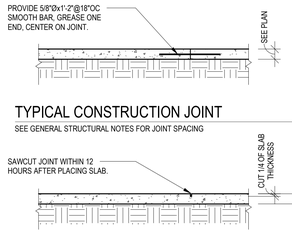
TYPICAL WOOD WALL WITH SCREW ANCHORS

1 S5.201 TYPICAL WOOD WALL TO MASONRY OR CONCRETE ATTACHMENT

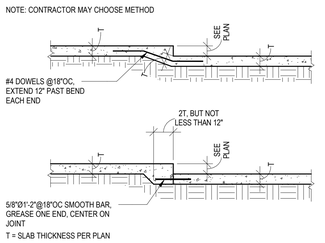




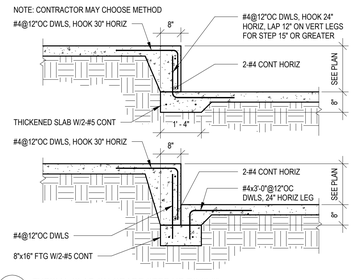
2 S5.201 SECTION

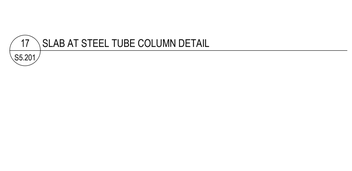


3 S5.201 TYPICAL CONTROL/CONSTRUCTION JOINT



4 S5.201 TYPICAL SLAB ON GRADE STEP





NOTES:
1. DO NOT CUT VERTICAL OR HORIZONTAL WALL REINFORCING. LOCATE PENETRATIONS BETWEEN VERTICAL REINFORCING. PROVIDE MIN 1 1/2" CLEAR COVER BETWEEN VERTICAL REINFORCING AND EDGE OF OPENING. ACCEPTABLE TO ADJUST VERTICAL REINFORCING SPACING UP TO 8" MAX TO ALLOW PENETRATIONS BETWEEN REINFORCING. (ADJUSTING PIER VERTICAL REINFORCING IS NOT ACCEPTABLE.)
2. MULTIPLE PENETRATIONS WITHIN 16" OF EACH OTHER ARE CONSIDERED A SINGLE OPENING.
3. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.

5 S5.201 OPENINGS UP TO 12" IN POURED CONCRETE WALLS

NOTES:
1. AT CONTROL JOINTS OMIT KEYWAY AND PROVIDE RECESS EACH SIDE OF WALL.
2. PLACE CONTROL JOINTS @20'-0" MAXIMUM. FOR WALLS LESS THAN 6'-0" TALL, PLACE CONTROL JOINTS AT 3 TIMES WALL HEIGHT (MAX).
3. STOP 1/2 OF HORIZONTAL REINFORCING PRECISELY AT CONTROL JOINT LOCATIONS.

6 S5.201 TYPICAL VERTICAL CONTROL/CONSTRUCTION JOINT IN CONC WALL

NOTES:
1. DO NOT CUT VERTICAL OR HORIZONTAL WALL REINFORCING. LOCATE PENETRATIONS BETWEEN VERTICAL REINFORCING. PROVIDE MIN 1" COVER BETWEEN VERTICAL REINFORCING AND EDGE OF OPENING. ACCEPTABLE TO ADJUST VERTICAL REINFORCING SPACING UP TO 8" MAX TO ALLOW PENETRATIONS BETWEEN REINFORCING. (ADJUSTING PIER VERTICAL REINFORCING IS NOT ACCEPTABLE.)
2. MULTIPLE PENETRATIONS WITHIN 16" OF EACH OTHER ARE CONSIDERED A SINGLE OPENING.
3. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.

7 S5.201 OPENINGS UP TO 12" IN CMU WALLS

8 S5.201 MEP PIPE GUIDELINES AT THICKENED SLAB WALL FOOTING

9 S5.201 SECTION

10 S5.201 SECTION

11 S5.201 SECTION

12 S5.201 SHEAR WALL SHEATHING CONNECTION AT INTERSECTING WALL

13 S5.201 SECTION

14 S5.201 SECTION

15 S5.201 SECTION

16 S5.201 SECTION

17 S5.201 SLAB AT STEEL TUBE COLUMN DETAIL

S

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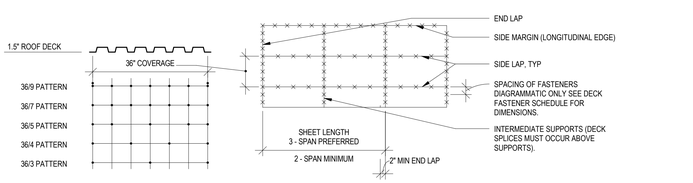
Revisions		
Description	Date	Num

Comm: **246040**
Date: **08/29/2025**
Drawn: **LMB**
Check: **MGD, JMD**

SECTIONS AND DETAILS

S5.201

MN

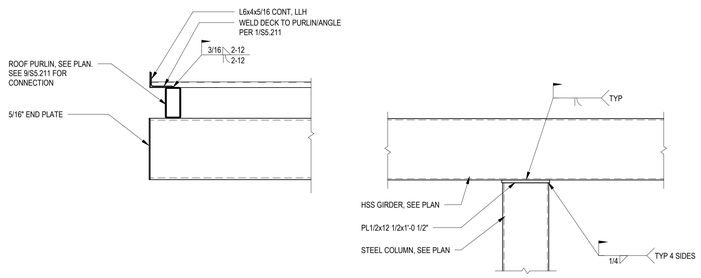


DECK FASTENER SCHEDULE

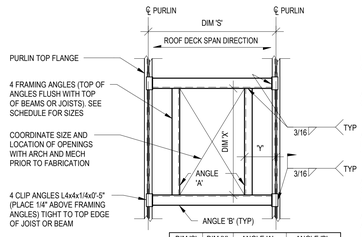
FASTENER OPTION	HILTI ENP2K OR HSN SERIES FASTENERS	WELDING
INTERMEDIATE SUPPORTS AND END LAPS	36/4 PATTERN	36/4 PATTERN 5/8"Ø PUDDLE WELD
SIDE MARGINS	12"OC MAX	3/8"x1 1/2" SEAM WELD @12"OC MAX
SIDE LAPS	#10 TEKS @12"OC	#10 TEKS @12"OC

NOTE: OTHER POWER DRIVEN FASTENERS MAY BE USED IF SPACING PROVIDES EQUIVALENT DIAPHRAGM CAPACITY. RECEIVE WRITTEN APPROVAL FROM ARCHITECT.

1 S5.211 STEEL DECK ATTACHMENT

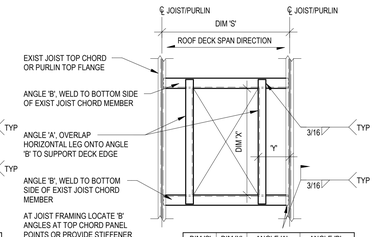


2 S5.211 OPENING IN NEW ROOF DECK



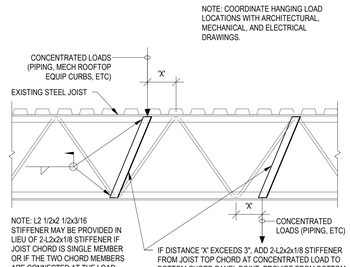
DIM 'S'	DIM 'X'	ANGLE 'A'	ANGLE 'B'
0' TO 6'	0' TO 4'	L3x3x1/4	L3x3x1/4
0' TO 6'	4' TO 8'	L4x3x1/4 (LLV)	L4x3x1/4 (LLV)
6' TO 10'	0' TO 4'	L3x3x1/4	L5x3x1/4 (LLV)
6' TO 10'	4' TO 8'	L5x3x1/4 (LLV)	L5x3x1/4 (LLV)

3 S5.211 OPENING IN EXIST ROOF DECK



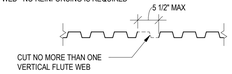
DIM 'S'	DIM 'X'	ANGLE 'A'	ANGLE 'B'
0' TO 6'	0' TO 4'	L3x3x1/4	L3x3x1/4
0' TO 6'	4' TO 8'	L4x3x1/4 (LLV)	L4x3x1/4 (LLV)
6' TO 10'	0' TO 4'	L3x3x1/4	L5x3x1/4 (LLV)
6' TO 10'	4' TO 8'	L5x3x1/4 (LLV)	L5x3x1/4 (LLV)

4 S5.211 CONCENTRATED LOADS ON EXISTING JOIST

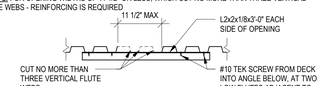


5 S5.211 OPENING IN 1 1/2" WIDE RIB ROOF DECK

CASE 1: FOR OPENING WIDTHS OF 5 1/2" OR LESS, WHICH CUT NO MORE THAN ONE VERTICAL FLUTE WEB - NO REINFORCING IS REQUIRED



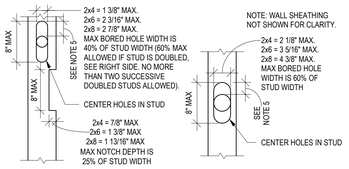
CASE 2: FOR OPENING WIDTHS OF 11 1/2" OR LESS, WHICH CUT NO MORE THAN THREE VERTICAL FLUTE WEBS - REINFORCING IS REQUIRED



CASE 3: FOR LARGER OPENINGS - PROVIDE ANGLE FRAME PER 2/SS.211 OR 3/SS.211

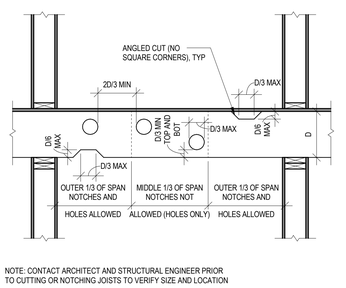
NOTES:
1. THIS DETAIL ONLY APPLIES TO OPENINGS IN 1 1/2" WIDE RIB ROOF DECK, 20 GA. MIN.
2. FOR GROUPS OF OPENINGS, IF A CLEAR DISTANCE OF TWO TIMES THE LARGEST OPENING DIMENSION CANNOT BE PROVIDED BETWEEN OPENINGS, TREAT GROUP OF OPENINGS AS A SINGLE OPENING AND PROVIDE AN ANGLE FRAME PER 2/SS.211 OR 3/SS.211.
3. FOR CASE 2, IF OPENING IS WITHIN 6" FROM A JOIST OR ANOTHER SUPPORT, ANGLE ONLY REQUIRED FOR ONE SIDE OF OPENING.

6 S5.211 SECTION



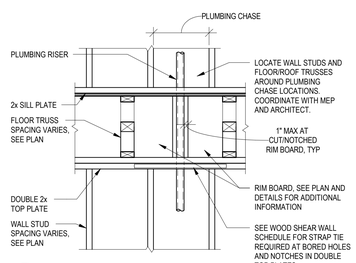
TYPICAL NOTES:
1. HOLES SHALL NOT BE LOCATED IN THE SAME STUD AS A CUT OR NOTCH.
2. CONTACT ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO CUTTING OR NOTCHING IF HOLES GREATER THAN 20% STUD WIDTH OR NOTCHES GREATER THAN 10% STUD WIDTH ARE REQUIRED IN TWO OR MORE CONSECUTIVE STUDS.
3. STUD SIZES SHOWN ON STRUCTURAL DRAWINGS ARE THE MINIMUM REQUIRED FOR STRUCTURE. COORDINATE WITH MEP TO IDENTIFY STRUCTURAL WALL LOCATIONS WHERE STUD PENETRATIONS EXCEED THE ALLOWABLE HOLE OR NOTCH SIZES SHOWN. INCREASE STUD SIZE TO MEET ALLOWABLE HOLE OR NOTCH REQUIREMENTS. COORDINATE REVISED STUD SIZES WITH ARCHITECT AND STRUCTURAL ENGINEER.
4. SEE IBC 2308.5.9 AND 2308.5.10 FOR REQUIREMENTS AT NON-STRUCTURAL PARTITION WALLS.
5. PROVIDE GAP ABOVE CONDUIT/PIPE FOR DIFFERENTIAL MOVEMENT. SEE GENERAL STRUCTURAL NOTES FOR ANTICIPATED WOOD SHRINKAGE. COORDINATE W/ MEP FOR ANTICIPATED MOVEMENT OF CONDUIT/PIPE AND REQUIRED GAP BELOW.

7 S5.211 SECTION



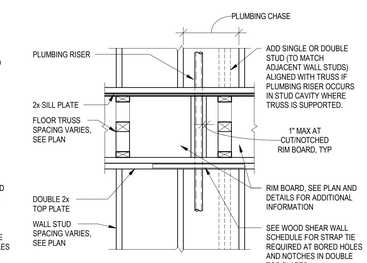
NOTE: CONTACT ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO CUTTING OR NOTCHING JOISTS TO VERIFY SIZE AND LOCATION

8 S5.211 SECTION



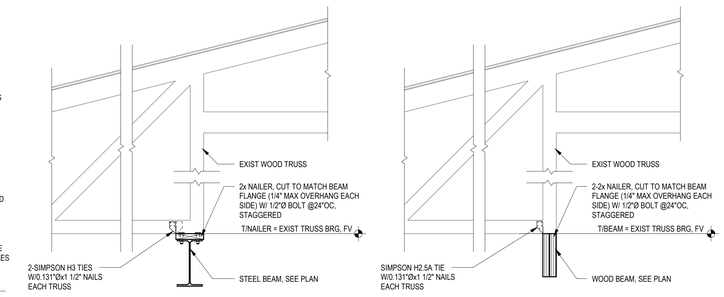
A TYPICAL FRAMING AT PLUMBING CHASES

9 S5.211 SECTION

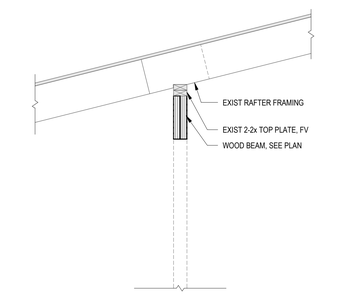


B FIELD FIX FOR TRUSS IN PLUMBING CHASE

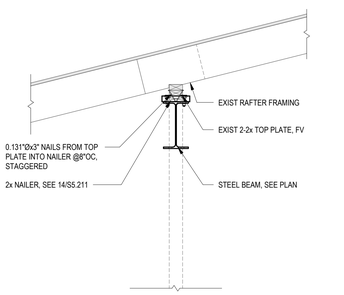
10 S5.211 TYPICAL OPENING IN WOOD STUD WALL - ELEVATION



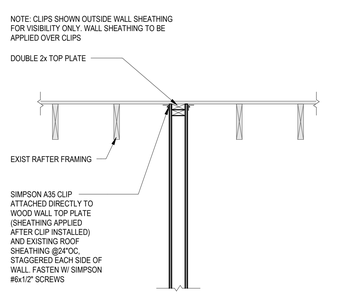
11 S5.211 ALLOWABLE HOLES/NOTCHES IN WOOD STUDS



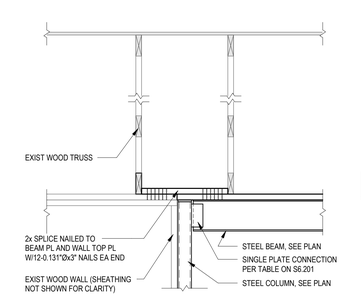
12 S5.211 ALLOWABLE HOLES/NOTCHES IN 2x JOISTS



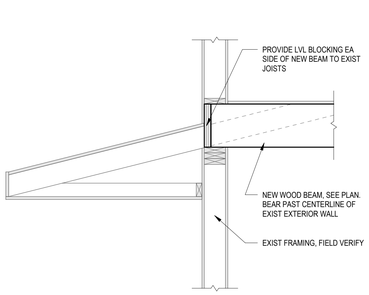
13 S5.211 FLOOR AND WALL FRAMING AT PLUMBING CHASES IN BEARING WALLS



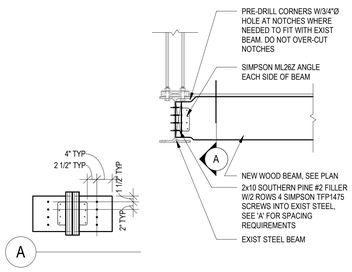
14 S5.211 SECTION



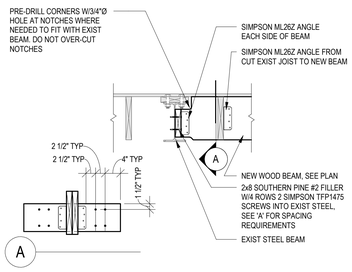
15 S5.211 SECTION



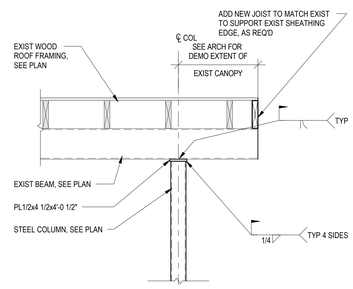
16 S5.211 SECTION



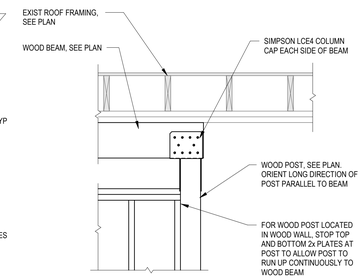
17 S5.211 SECTION



18 S5.211 SECTION



19 S5.211 SECTION



20 S5.211 SECTION

21 S5.211 SECTION

22 S5.211 SECTION

23 S5.211 SECTION

24 S5.211 SECTION

25 S5.211 SECTION

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Autodesk Docs://246040 - Nelson Care Center Renovation/S5211.rvt Version: Central Model Version: 2025.0
Central: https://c.autodesk.com/t/j/3k/Acuity/Nelson%20Care%20Center%20Renovation/Project_Data/Architectural Models/ - Nursing Home Addition.rvt Detached: 2025-08-29_1115-AM_Marie.DesHarnais.rvt
8/29/2025 11:43:00 AM

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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.

Marie G. DesHarnais
License Number: 55419 Date: 08/29/2025

Revisions		
Description	Date	Num

Comm: 246040
Date: 08/29/2025
Drawn: LMB
Check: MGD, JMD

SECTIONS AND DETAILS

S5.211

MN

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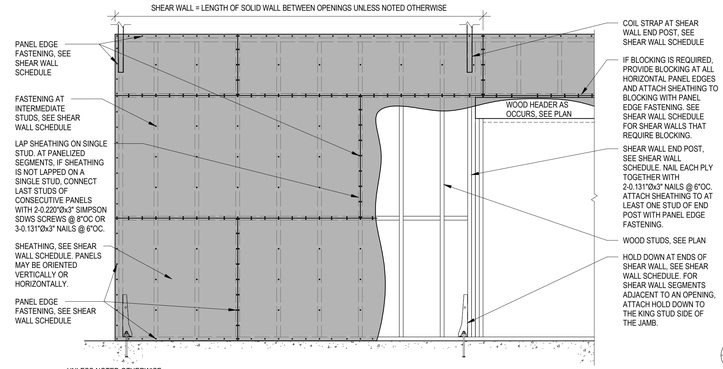
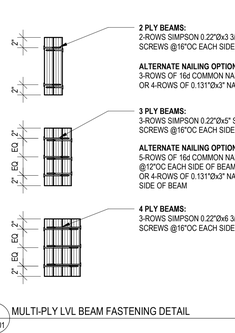


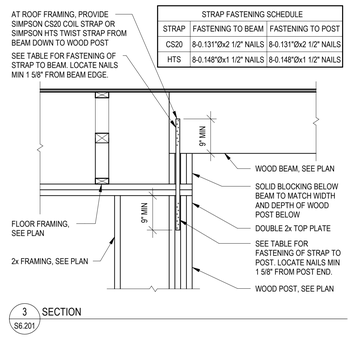
UNLESS NOTED OTHERWISE:
1. EXTENT OF SHEAR WALLS IS LIMITED TO SOLID WALL SECTION BETWEEN OPENINGS UNLESS OTHERWISE INDICATED WITH EXTENT ARROWS. ALL SHEATHING WITHIN THE EXTENT ARROWS IS SHEAR WALL SHEATHING, INCLUDING SECTIONS ABOVE AND BELOW OPENINGS. ATTACH SHEATHING ABOVE AND BELOW OPENINGS WITH PANEL EDGE FASTENING.
2. AT SHEAR WALL END POSTS ADJACENT TO OPENINGS, HEADER KING STUDS MAY BE USED AS PART OF THE SHEAR WALL END POST. ADD FULL HEIGHT STUDS AS REQUIRED TO OBTAIN THE NUMBER OF STUDS IN SHEAR WALL END POST.
3. AT HOLD DOWNS WITH BUILT UP 2x STUD END POSTS ADJACENT TO AN OPENING, ATTACH HOLD DOWN TO FULL HEIGHT STUD WITHIN SHEAR WALL END POST, TOP AND BOTTOM. ADD STUDS TO END POST AS REQUIRED ON LEVEL ABOVE FOR HOLD DOWN ATTACHMENT.
4. AT HOLD DOWNS WITH SOLID POSTS ADJACENT TO AN OPENING, END POST MAY REPLACE UP TO 3 HEADER KING STUDS. TOE NAIL ADJACENT JAMB STUD TO SOLID POST W/ 0.131"Ø"x3" NAILS @8"OC. IF REPLACING ALL KING STUDS, TOE NAIL EACH PLY OF HEADER TO SOLID POST W/ 3-0.131"Ø"x3" NAILS. ATTACH SHEATHING TO BOTH SOLID POST AND AT LEAST ONE JAMB STUD WITH PANEL EDGE FASTENING.

1 S6.201 WOOD SHEAR WALL ELEVATION

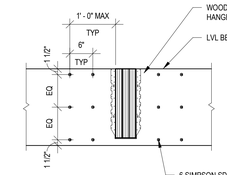


2 S6.201 MULTI-PLY LVL BEAM FASTENING DETAIL

STRAP FASTENING SCHEDULE		
STRAP	FASTENING TO BEAM	FASTENING TO POST
CS20	8-0.131"Øx2 1/2" NAILS	8-0.131"Øx2 1/2" NAILS
HTS	8-0.148"Øx1 1/2" NAILS	8-0.148"Øx1 1/2" NAILS



3 S6.201 SECTION



NOTE: FOR 7 1/4" AND 9 1/4" DEEP BEAMS, PROVIDE SCREWS IN STAGGERED ROWS EACH DIRECTION, SEE S/S6.201

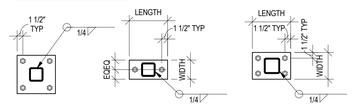
4 S6.201 SECTION

COLUMN FOOTING SCHEDULE				
	FOOTING SIZE			
MARK	WIDTH	LENGTH	THICKNESS	REINFORCING
CF3-0	3' - 0"	3' - 0"	1' - 0"	5-#4 EACH WAY, BOTTOM
CF6-0A	6' - 0"	5' - 0"	1' - 4"	5-#6 EACH WAY, TOP AND BOTTOM

STEEL COLUMN SCHEDULE		
MARK	SIZE	BASE PLATE
SC1	HSS3-1/2x3-1/2x3/8	3/4x5x1'-0" W/2-1/2"Ø SCREW ANCHORS, 4 1/4" EMBED, SEE DETAIL B BELOW
SC1A	HSS3-1/2x3-1/2x3/8	3/4x10x0'-10", SEE DETAIL A BELOW
SC2	HSS4x4x1/4	3/4x7x0'-10", SEE DETAIL C BELOW
SC3	HSS12x12x3/8	3/4x18x1'-6", SEE DETAIL A BELOW. PROVIDE 4-3/4"Ø ANCHOR RODS W/ 1'-9" EMBED. PROVIDE WELDED WASHER PLATES PER 6A/S6.201.

UNLESS NOTED OTHERWISE:
1. PROVIDE 4-3/4"Ø UNHEADED ANCHOR RODS WITH HEX NUT AT EMBED END, SEE 6/S6.201. EXTEND 9" INTO CONCRETE TO TOP OF NUT.
2. PROVIDE 1 1/2" NON-SHRINK GROUT BELOW BASE PLATE.
3. PROVIDE 1/4x2x0'-2" PLATE WASHER AND NUT ON TOPSIDE OF BASE PLATE AT 3/4"Ø ANCHOR RODS. CIRCULAR OR SQUARE PLATE WASHERS ARE ACCEPTABLE. FOR LARGER ANCHOR RODS PROVIDE AISC STANDARD PLATE WASHER SIZE FOR OVERSIZE ANCHOR ROD HOLES PER AISC MANUAL TABLE 14-2.
4. USE 1/2" COLUMN CAP PLATE AT TOP.

BASE PLATE DETAILS



DETAIL A DETAIL B DETAIL C

CONCRETE PIER SCHEDULE			
MARK	SIZE	REINFORCING	REMARKS
CP1	14"x22"	4-#6 VERT, #3 TIES @12"OC	SEE 'B' FOR TIE LAYOUT
CP2	24"x50"	12-#9 VERT, #3 TIES @18"OC	SEE 'C' FOR TIE LAYOUT

UNLESS NOTED OTHERWISE:
1. PROVIDE HOOKED DOWELS INTO FOOTING TO MATCH VERTICAL REINFORCING. PROJECT INTO PIER PER CLASS B TENSION LAP SPLICE TABLE. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.
2. PROVIDE CROSSTIES AS SHOWN WITH 90° HOOK ONE END AND 135° HOOK OTHER END. SIZE TO MATCH TIES. ALTERNATE TIE CONFIGURATIONS MEETING ACI 318, SECTION 25.7.2.3 ARE ACCEPTABLE.
3. PROVIDE FIRST TIE MAXIMUM OF ONE-HALF TIE SPACING ABOVE TOP OF FOOTING.
4. EXTEND TIES TO WITHIN ONE-HALF TIE SPACING OF TOP OF PIER. PROVIDE MINIMUM OF 2-#4 OR 3-#3 TIES WITHIN 5" OF TOP OF PIER.
5. EXTEND VERTICAL REINFORCEMENT TO 2" CLEAR TOP OF PIER.

CONCRETE PIER BAR PLACEMENT DETAILS

DETAIL A DETAIL B DETAIL C

WOOD SHEAR WALL SHEATHING TYPES TABLE						
			SHEATHING FASTENING			SILL PLATE CONNECTION
MARK	SHEATHING	BLOCKED	FASTENER SIZE	SPACING EDGE	SPACING FIELD	AT CMU OR CONCRETE FOUNDATION WALL
GYP-A	1 LAYER 5/8" GYP ONE FACE	NO	NO. 6 DRYWALL SCREWS	8"OC	12"OC	1/2"Ø ANCHORS @72"OC
			ALTERNATE NAILS: 0.092"Øx1 7/8" NAILS	7"OC		
GYP-B	1 LAYER 5/8" GYP ONE FACE	NO	NO. 6 DRYWALL SCREWS	4"OC	12"OC	1/2"Ø ANCHORS @48"OC
			ALTERNATE NAILS: 0.092"Øx1 7/8" NAILS	4"OC		
GYP-C	1 LAYER 5/8" GYP ONE FACE	YES	NO. 6 DRYWALL SCREWS	4"OC	12"OC	1/2"Ø ANCHORS @48"OC
			ALTERNATE NAILS: 0.092"Øx1 7/8" NAILS	4"OC		
GYP-D	1 LAYER 5/8" GYP EACH FACE	NO	NO. 6 DRYWALL SCREWS	4"OC	12"OC	1/2"Ø ANCHORS @24"OC
			ALTERNATE NAILS: 0.092"Øx1 7/8" NAILS	4"OC		
GYP-E	1 LAYER 5/8" GYP EACH FACE	YES	NO. 6 DRYWALL SCREWS	4"OC	12"OC	1/2"Ø ANCHORS @24"OC
			ALTERNATE NAILS: 0.092"Øx1 7/8" NAILS	4"OC		

UNLESS NOTED OTHERWISE:
1. SEE DETAIL 1/S6.201 FOR TYPICAL SHEAR WALL FASTENING DETAIL.
2. WSP IS EITHER PLYWOOD OR OSB SHEATHING. PLYWOOD OR OSB TO BE APA RATED SHEATHING THAT CONFORMS TO PRODUCT STANDARD PS-1 OR PS-2.
3. NO. 6 DRYWALL SCREWS ARE 0.138"Øx1 1/4" TYPE S OR W. NO. 8 DRYWALL SCREWS ARE 0.164"Øx2 3/8" TYPE S OR W.
4. SEE 1/S5.201 FOR TYPICAL SILL PLATE CONNECTION AT THE FOUNDATION LEVEL.

WOOD POST SCHEDULE		
MARK	SIZE	REMARKS
WP1	3 1/2x3 1/2 PSL	
WP2	2-2x4	
WP3	3-2x4	
WP4	4-2x4	

UNLESS NOTED OTHERWISE:
1. POSTS SHALL BE CONTINUOUS TO THE LOWEST LEVEL OF WOOD FRAMING. PROVIDE BLOCKING WITHIN FLOOR FRAMING SPACE TO MAINTAIN CONTINUITY.
2. PROVIDE SOLID BLOCKING AT BEAM BEARING TO MATCH WIDTH OF WALL TO PROVIDE FULL BEARING FOR POST ABOVE WHERE BEAM WIDTH IS LESS THAN WALL WIDTH.
3. SEE GENERAL STRUCTURAL NOTES FOR FASTENING OF MULTI-PLY STUD POSTS.
4. AT PLUMBING WALLS WIDER THAN 2x4, PROVIDE SAME NUMBER OF STUDS AS SCHEDULED POST AND MATCH WALL STUD SIZE.
5. PROVIDE SOLID BLOCKING BELOW FLUSH BEAMS WHERE BEAM IS SHALLOWER THAN FLOOR FRAMING DEPTH. BLOCKING TO MATCH WIDTH AND DEPTH OF WOOD POST BELOW. SEE DETAIL 3/S6.201.

WOOD BEAM SCHEDULE		
MARK	SIZE	REMARKS
B1	2-2X8	
B2	2-2x12	
B3	2-1 3/4x9 1/4 LVL	
B4	2-1 3/4x11 1/4 LVL	
B5	2-1 3/4x14 LVL	

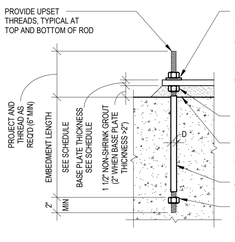
UNLESS NOTED OTHERWISE:
1. EXTEND BEAM TO BEAR ON FULL WIDTH OF POST.
2. SEE 2/S6.201 FOR TYPICAL MULTI-PLY BEAM FASTENING FOR LVL BEAMS. SEE DETAIL 4/S6.201 FOR ADDITIONAL FASTENING AT FACE MOUNTED LVL BEAM TO BEAM CONNECTIONS.
3. FASTEN 2x BEAMS WITH 3 ROWS OF 0.131"Øx3" NAILS AT 12"OC. EACH PLY. SEE DETAIL 5/S6.201 FOR ADDITIONAL FASTENING AT FACE MOUNTED 2x BEAM TO BEAM CONNECTIONS.
4. PROVIDE A MINIMUM OF 3 STUDS AT BEAM BEARING WHERE POST IS NOT INDICATED. MATCH WALL STUD SIZE. EXTEND POST DOWN TO LOWEST WOOD LEVEL.

WOOD HEADER SCHEDULE			
MARK	H1	H2	H3
HEADER	2-2x8	2-2x10	3-2x10
JACK STUDS	2-2x4	2-2x4	2-2x6
KING STUDS	1-2x4	1-2x4	1-2x6
REMARKS			

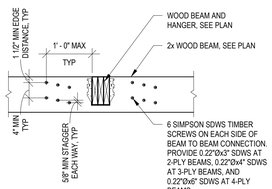
UNLESS NOTED OTHERWISE:
1. SEE 10/S5.211 FOR TYPICAL WALL OPENING DETAIL.
2. PROVIDE SOLID VERTICAL BLOCKING AT ALL FLOORS AT ALL POST LOCATIONS.
3. BEAR HEADERS ON FULL WIDTH OF JACK STUDS.
4. REFER TO ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF WIDER STUDS AT PLUMBING WALLS. MAINTAIN SCHEDULED JACK AND KING STUD QUANTITIES AND MATCH WALL STUD SIZE.
5. FACE NAIL EACH HEADER PLY TOGETHER WITH 0.162"Øx3 1/2" COMMON NAILS @16"OC OR 0.135"Øx3 1/2" BOX NAILS @12"OC ALONG EACH EDGE.

5 S6.201 SECTION

6 S6.201 6A S6.201 TYPICAL ANCHOR ROD



NOTE: SEE PLAN NOTES AND COLUMN SCHEDULE NOTES FOR EXCEPTIONS.



WOOD SHEAR WALL SCHEDULE		
MARK	SW1	SW2
DESCRIPTION	TYPICAL NEW DEMISING WALLS	SELECT NEW DEMISING WALLS
SHEATHING TYPE	GYP-B	GYP-B
END POST	2-2x4	2-2x4
HOLD DOWN	SILL ANCHOR W/IN 6" OF END POST	DTT2Z
ANCHOR ROD	-	1/2"Ø
REMARKS	"	"

UNLESS NOTED OTHERWISE:
1. SEE WOOD SHEAR WALL SHEATHING TYPES TABLE FOR SHEATHING INFORMATION AND SILL PLATE FASTENING.
2. SHEATHING TO BE CONTINUOUS FOR LENGTH OF SHEAR WALL. LAP SHEATHING ON SINGLE STUD. WHERE SHEAR WALL SHEATHING IS REQUIRED TO STOP AT INTERSECTING WALLS, SEE DETAIL 12/S5.201.
3. SEE 1/S5.201 FOR TYPICAL SILL PLATE CONNECTION AT THE FOUNDATION LEVEL.
4. PROVIDE RPS STRAP TIES ON EACH SIDE OF BOTTOM PLY OF DOUBLE TOP PLATE FOR BORED HOLE/NOTCH GREATER THAN 1 1/2" FOR 2x4 OR 2 1/2" FOR 2x6.
5. PROVIDE 2-0.220"Øx3" SIMPSON SDWS SCREWS@8"OC OR 3-0.131"Øx3" NAILS@6"OC BETWEEN STUDS AT LOCATIONS WHERE WALL STUD SIZE CHANGES.
6. FOR WALLS WITH A RESILIENT CHANNEL ON ONE SIDE, SHEAR WALL SHEATHING IS APPLIED TO THE SIDE OF THE WALL WITHOUT THE RESILIENT CHANNEL.

WOOD DESIGN STRESSES SCHEDULE								
SPECIES AND COMMERCIAL GRADE		APPLICATION	BENDING F_b (psi)	TENSION PARALLEL TO GRAIN F_t (psi)	SHEAR PARALLEL TO GRAIN F_v (psi)	COMPRESSION PERPENDICULAR TO GRAIN $F_{c,\perp}$ (psi)	COMPRESSION PARALLEL TO GRAIN $F_{c,||}$ (psi)	MODULUS OF ELASTICITY E (psi) / E_{min} (psi)	SPECIFIC GRAVITY
SPRUCE-PINE-FIR (SPF) NO. 2		2x STUDS, PLATES, AND BLOCKING	875	450	135	425	1,150	1,400,000 / 510,000	0.42
SPF OR HEM FIR (HF) NO. 2		2x HEADERS, JOISTS, AND BEAMS	850	450	135	405	1,150	1,300,000 / 470,000	0.42
LAMINATED VENEER LUMBER (LVL)		BEAMS AND HEADERS NOTED	2,600	1,555	285	750	2,510	2,000,000 / N/A	0.50
SOUTHERN PINE (SP) NO. 2	2x4 AND 4x4	TREATED DIMENSION LUMBER	1,100	675	175	565	1,450	1,400,000 / 510,000	0.55
	2x6 AND 4x6		1,000	600			1,400		
	2x8 AND 4x8		925	550			1,350		
	2x10		800	475			1,300		
	2x12		750	450			1,250		
1.8E PARALLEL STRAND LUMBER (PSL)		POSTS NOTED	2,400	1,755	190	425	2,500	1,800,000 / 914,880	0.50

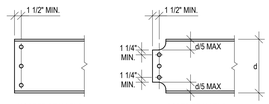
UNLESS NOTED OTHERWISE:
1. BASE DESIGN STRESSES ARE SUBJECT TO MODIFICATION FACTORS PER THE NDS.
2. SUBSTITUTE MATERIALS MUST MEET OR EXCEED DESIGN STRESSES SHOWN.
3. SOUTHERN PINE TIMBER DESIGN VALUES ARE LISTED FOR WET SERVICE CONDITION PER NDS, AND NEED NOT BE ADJUSTED BY WET SERVICE FACTOR.
4. "BEAMS AND STRINGERS" VALUES APPLY TO VISUALLY GRADED LUMBER 5" THICK (NOMINAL) WITH DEPTH MORE THAN 2" GREATER THAN THICKNESS. "POSTS AND TIMBERS" VALUES APPLY TO VISUALLY GRADED LUMBER 5" x 5" OR LARGER WITH DEPTH NOT MORE THAN 2" GREATER THAN THICKNESS.

WOOD FASTENING SCHEDULE					
CONNECTION DESCRIPTION		LOCATION	FASTENING	CONNECTION DESCRIPTION	LOCATION	FASTENING
FLOOR AND ROOF FRAMING	BLOCKING BETWEEN JOISTS OR RAFTER TO TOP PLATE OR OTHER FRAMING BELOW	TOE NAIL EACH END	3-0.131"Øx3 1/2" NAILS; OR 3-0.131"Øx3" NAILS; OR 3-0.128"Øx3" NAILS	WALL FRAMING: MULTI-PLY STUDS (POSTS, JAMBS AND WALL STUDS)	FACE NAIL, EACH PLY	0.162"Øx3 1/2" NAILS @24"OC; OR 0.131"Øx3" NAILS @16"OC; OR 0.128"Øx3" NAILS @16"OC
	BLOCKING BETWEEN RAFTERS OR TRUSS NOT AT WALL TOP PLATE, TO RAFTER OR TRUSS	TOE NAIL EACH END; OR	2-0.131"Øx2 1/2" NAILS; OR 2-0.131"Øx3" NAILS	ABUTTING STUDS AT CORNERS AND INTERSECTING WALLS	FACE NAIL	0.162"Øx3 1/2" NAILS @24"OC; OR 0.131"Øx3" NAILS @16"OC; OR 0.128"Øx3" NAILS @16"OC
		END NAIL	2-0.162"Øx3 1/2" NAILS; OR 3-0.131"Øx3" NAILS	CONTINUOUS HEADER TO STUD	TOE NAIL	4-0.131"Øx2 1/2" NAILS; OR 4-0.128"Øx3" NAILS
	ROOF RAFTER TO 2x RIDGE BEAM OR JACK RAFTER TO HIP	END NAIL; OR	2-0.162"Øx3 1/2" NAILS; OR 3-0.131"Øx3" NAILS; OR 3-0.128"Øx3" NAILS	TOP PLATE TO TOP PLATE (DOUBLE TOP PLATE)	FACE NAIL	0.162"Øx3" NAILS @16"OC; OR 0.131"Øx3" NAILS @12"OC; OR 0.128"Øx3" NAILS @12"OC
		TOE NAIL	3-0.148"Øx3" NAILS; OR 4-0.135"Øx3 1/2" NAILS; OR 4-0.131"Øx3" NAILS; OR 4-0.128"Øx3" NAILS	TOP PLATE TO TOP PLATE AT END JOINT (LAP SPLICE)	FACE NAIL EACH SIDE OF END JOINT (MINIMUM 24" LAP SPLICE LENGTH EACH SIDE OF END JOINT)	8-0.162"Øx3 1/2" NAILS; OR 12-0.131"Øx3" NAILS; OR 12-0.128"Øx3" NAILS
	JOIST TO SILL, TOP PLATE OR GIRDER	TOE NAIL THROUGH EACH SIDE	3-0.131"Øx2 1/2" NAILS; OR 3-0.131"Øx3" NAILS; OR 3-0.128"Øx3" NAILS	TOP PLATE OVERLAP AT CORNERS AND INTERSECTIONS	FACE NAIL	2-0.162"Øx3 1/2" NAILS; OR 3-0.131"Øx3" NAILS; OR 3-0.128"Øx3" NAILS
	RIM JOIST, BAND JOIST OR BLOCKING TO TOP PLATE, SILL OR OTHER FRAMING BELOW	TOE NAIL; OR	0.131"Øx2 1/2" NAILS @6"OC; OR 0.131"Øx3" NAILS @6"OC; OR 0.128"Øx3" NAILS @6"OC	BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING	FACE NAIL	0.162"Øx3 1/2" NAILS @16"OC; OR 0.131"Øx3" NAILS @12"OC; OR 0.135"Øx3 1/2" NAILS @12"OC
		FACE SCREW FROM TOP PLATE OR GIRDER INTO BOTTOM OF JOIST	SIMPSON 1/4"Øx6" SDS SCREW, OR SIMPSON 0.22"Øx6" SDWS SCREW; OR FASTENMASTER 0.26"Øx6" FRAMEFAST SCREW	TOP OR BOTTOM PLATE TO STUD	END NAIL; OR	2-0.162"Øx3 1/2" NAILS; OR 3-0.131"Øx3" NAILS; OR 3-0.128"Øx3" NAILS
	JOIST TO BAND JOIST OR RIM JOIST	END NAIL	3-0.162"Øx3 1/2" NAILS; OR 4-0.131"Øx3" NAILS; OR 4-0.128"Øx3" NAILS		TOE NAIL	4-0.131"Øx2 1/2" NAILS; OR 4-0.131"Øx3" NAILS; OR 4-0.128"Øx3" NAILS
	LEDGER STRIP SUPPORTING JOISTS OR RAFTERS	FACE NAIL EACH JOIST OR RAFTER	3-0.162"Øx3 1/2" NAILS; OR 4-0.131"Øx3" NAILS; OR 4-0.128"Øx3" NAILS	DOUBLE TOP PLATE TO WALL STUD AT WALLS DIRECTLY SUPPORTING ROOF FRAMING	TOE NAIL OR SCREW FROM STUD TO PLATES	4-0.131"Øx2 1/2" NAILS; OR 4-0.131"Øx3" NAILS; OR 4-0.128"Øx3" NAILS; OR 1 SIMPSON 0.152"Øx6" SDWC SCREW
	BRIDGING OR BLOCKING TO JOIST, RAFTER OR TRUSS	TOE NAIL EACH END	2-0.131"Øx2 1/2" NAILS; OR 2-0.131"Øx3" NAILS; OR 2-0.128"Øx3" NAILS	WALL SHEATHING: WOOD STRUCTURAL PANEL WALL SHEATHING TO FRAMING	1/2" AND LESS	@6"OC AT EDGE, 12"OC AT INTERMEDIATE SUPPORTS: 0.113"Øx2" NAILS; OR 0.113"Øx2 3/8" NAILS
					19/32" TO 3/4"	0.113"Øx2" NAILS; OR 0.131"Øx2 1/2" NAILS; OR 0.113"Øx2 3/8" NAILS
				GYPSUM WALL SHEATHING TO FRAMING FOR STRUCTURAL WALLS		@6"OC AT EDGE, 12"OC AT INTERMEDIATE SUPPORTS: 0.138"Øx1 1/4" TYPE S OR W DRYWALL SCREWS; OR 0.092"Øx1 7/8" NAILS

UNLESS NOTED OTHERWISE:
1. SCHEDULE BASED ON IBC TABLE 2304.10.1 REQUIREMENTS FOR STRUCTURAL FRAMING CONNECTIONS.
2. SCHEDULE PROVIDES MINIMUM REQUIREMENTS, SEE NOTES AND DETAILS FOR ADDITIONAL STRUCTURAL REQUIREMENTS.
3. STRUCTURAL WALLS REQUIRE SHEATHING ON ONE FACE, MINIMUM. WALL SHEATHING MAY BE ORIENTED VERTICALLY OR HORIZONTALLY. SEE ARCHITECTURAL WALL TYPES FOR ADDITIONAL SHEATHING AND/OR FASTENING REQUIREMENTS.

SINGLE PLATE CONNECTION TABLE				
BEAM SIZE	# OF BOLT ROWS	ΦR_n (K) COPED	ΦR_n (K) UNCOPED	REMARKS
W8x10-W8x31, W10x12-W10x22	2	19 (13 FOR W8x10, 17 FOR W8x13)	25	WEB STIFFENER REQUIRED FOR DOUBLE COPED BEAMS IF COPE LENGTH >0"-3" (MAX CAPACITY=7K W/OUT STIFFENER)
W8x35-W8x48, W10x26-W10x54	2	25	25	WEB STIFFENER REQUIRED FOR DOUBLE COPED BEAMS IF COPE LENGTH >0"-3" (MAX CAPACITY=13K W/OUT STIFFENER)
W8x58-LARGER, W10x60-LARGER	2	25	25	WEB STIFFENER REQUIRED FOR DOUBLE COPED BEAMS IF COPE LENGTH >0"-3" (MAX CAPACITY=21K W/OUT STIFFENER)
W12x14-W12x30 W14x22-W14x30	3	39 (32 FOR W12x14, 36 FOR W12x16)	43	WEB STIFFENER REQUIRED FOR DOUBLE COPED BEAMS IF COPE LENGTH >0"-3" (MAX CAPACITY=19K W/OUT STIFFENER)
W12x35-LARGER, W14x34-LARGER	3	43	43	WEB STIFFENER REQUIRED FOR DOUBLE COPED BEAMS IF COPE LENGTH >0"-3" (MAX CAPACITY=28K W/OUT STIFFENER)
W16x26-W16x40, W18x35-W18x40	4	58	62	WEB STIFFENER REQUIRED FOR DOUBLE COPED BEAMS IF COPE LENGTH >0"-3" (MAX CAPACITY=45K W/OUT STIFFENER)
W16x45-LARGER, W18x46-LARGER	4	62	62	
ALL W21 AND W24	5	80	80	USE ONLY WHERE NOTED FOR W24'S
ALL W27 AND W30	6	95	95	USE ONLY WHERE NOTED
ALL W33 AND W36	7	111	111	USE ONLY WHERE NOTED

UNLESS NOTED OTHERWISE:
*ASSUMES AISC STANDARD CONNECTION CONFIGURATION.
1. ALL BOLTS 3/4"Ø A325-N. PLATE WELDS 2-1/4" FULL LENGTH FILLET WELDS.
2. ALL PLATES 5/16" THICK ASTM A36. ALL BEAMS ASTM A992.
3. FOR COPED BEAMS Leh=1 1/2" MINIMUM. Lev=1 1/4" MINIMUM (PARAMETERS PER AISC 15TH EDITION). MAXIMUM COPE LENGTH = 5". MAXIMUM COPE DEPTHS = 20% OF BEAM DEPTH.
4. HORIZONTAL SHORT SLOTTED HOLES PERMITTED IN BEAM WEB.
5. COORDINATE PLATE LENGTH WITH DRAWINGS AND COORDINATE BOLT LOCATIONS FOR ERECTION PURPOSES.
6. BEAMS REQUIRING ADDITIONAL BOLTS WILL BE NOTED ON THE DRAWINGS THUS: "SP-X" (X=NUMBER OF ROWS OF BOLTS).
7. CAPACITIES SHOWN REPRESENT MINIMUM CONNECTION CAPACITY FOR THE RANGE OF SIZES GIVEN.
8. AT PURLIN TO HSS COLUMN CONNECTIONS, MINIMUM HSS TUBE WALL THICKNESS IS 1/4". PROVIDE DOUBLE ANGLE CONNECTION OR CONTACT EOR IF MINIMUM IS NOT MET.



BOLTED - DOUBLE ANGLE CONNECTION TABLE				
BEAM SIZE	# OF BOLT ROWS	ΦR_n (K) COPED	ΦR_n (K) UNCOPED	REMARKS
W8x10-W8x31, W10x12-W10x22	2	19 (13 FOR W8x10, 17 FOR W8x13)	40 (30 FOR W8x10, 35 FOR W10x12)	WEB STIFFENER REQUIRED FOR DOUBLE COPED BEAMS IF COPE LENGTH >0"-3" (MAX CAPACITY=7K W/OUT STIFFENER)
W8x35-W8x48, W10x26-W10x49	2	27	51 (46 FOR W10x26)	WEB STIFFENER REQUIRED FOR DOUBLE COPED BEAMS IF COPE LENGTH >0"-3" (MAX CAPACITY=13K W/OUT STIFFENER)
W8x58-LARGER, W10x54-LARGER,	2	41	61	WEB STIFFENER REQUIRED FOR DOUBLE COPED BEAMS IF COPE LENGTH >0"-3" (MAX CAPACITY=19K W/OUT STIFFENER)
W12x14-W12x26, W14x22	3	36 (32 FOR W12x14)	58 (53 FOR W12x14)	WEB STIFFENER REQUIRED FOR DOUBLE COPED BEAMS IF COPE LENGTH >0"-3" (MAX CAPACITY=20K W/OUT STIFFENER)
W12x30-W12x40 W14x26-W14x43, W16x26-W18x40, W18x35-W18x40	3	43	66	WEB STIFFENER REQUIRED FOR DOUBLE COPED BEAMS IF COPE LENGTH >0"-3" (MAX CAPACITY=25K W/OUT STIFFENER)
W12x45-LARGER, W14x48-LARGER, W16x45-LARGER, W18x46-LARGER,	3	58	88	WEB STIFFENER REQUIRED FOR DOUBLE COPED B

MN

ABBREVIATIONS

&	AND
@	AT
ACT	ACOUSTICAL CEILING TILE
AF	ACCESS FLOORING
AFF	ABOVE FINISHED FLOOR
ALT #__	ALTERNATE NUMBER
ALUM	ALUMINUM
AP	ACCESS PANEL
AWC	ACOUSTICAL WALL COVERING
AWF	ACOUSTICAL WALL FABRIC
AWP	ACOUSTICAL WALL PANEL
B BLK	BURNISHED CONCRETE BLOCK
BLDG	BUILDING
BRK	BRICK
C BLK	CONCRETE BLOCK
CG	CORNER GUARD
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CM	CULTURED MARBLE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONT	CONTINUOUS
CPT	CARPET
CRF	CHEMICAL RESISTANT FLOORING
CT	CERAMIC TILE
CTP	COUNTERTOP
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CW-__(#)	CURTAINWALL TYPE
DEMO	DEMOLITION
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DN	DOWN
E PT	EPOXY PAINT
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXP	EXPOSED
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FF&E	FIXTURES
FFE	FINISHED FLOOR ELEVATION
FRP	FIBERGLASS REINFORCED PANEL
G BLK	GLAZED CONCRETE BLOCK
GA	GAUGE
GB	GRAB BAR
GRD BLK	GROUND FACE CONCRETE BLOCK
GST	GLAZED STRUCTURAL TILE
GYP BD	GYPSUM BOARD
HCAP	HANDICAPPED
HM	HOLLOW METAL
HT	HOMOGENEOUS TILE
ID	INSIDE DIAMETER
INSUL	INSULATION
L-__(#)	LOUVER TYPE
LAV	LAVATORY
LFD	LINEAR FLOOR DRAIN
LINO	LINOLEUM
LVT	LUXURY VINYL TILE
M/S	MIRROR WITH SHELF
MATL	MATERIAL
MAX	MAXIMUM
MBD	MARKERBOARD
MECH	MECHANICAL
MEF	MOSAIC EPOXY FLOORING
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
NO	NUMBER
NSF	NON-SLIP FLOORING
NTS	NOT TO SCALE
OH	OVERHEAD
P LAM	PLASTIC LAMINATE
P TILE	PORCELAIN TILE
PLAS	PLASTER
PT	PAINT
PTD	PAINTED
PVC	POLYVINYL CHLORIDE
PWP	PLASTIC (PHENOLIC) WALL PANEL
QRT	QUARTZ
QT	QUARRY TILE
R	RADIUS
RAF	RESILIENT ATHLETIC FLOORING
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RES	RESILIENT
RF	RESINOUS FLOORING
RFT	RUBBER FLOOR TILE
RH	RELIEF HOOD
RM	ROOM
RTU	ROOF TOP UNIT
RUB	RUBBER
RWL	RAIN WATER LEADER
SBD	SMART BOARD
SCHED	SCHEDULE
SD	SOAP DISPENSER
SF	SQUARE FOOT (FEET)
SF-__(#)	STOREFRONT TYPE
SIM	SIMILAR
SND	SANITARY NAPKIN DISPENSER
SNR	SANITARY NAPKIN RECEPTOR
SS	SHORT STAY
SST	STAINLESS STEEL
STN	STONE
STRUCT	STRUCTURAL
TBD	TACKBOARD
TEMP	TEMPORARY
TERR	TERRAZZO
TPH	TOILET PAPER HOLDER
TWC	TACKABLE WALLCOVERING
TYP	TYPICAL
UL	UNDERWRITER'S LABORATORY
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
USF	URETHANE SLURRY FLOORING
V PLAS	VENEER PLASTER
VAT	VINYL ASBESTOS TILE
VCT	VINYL COMPOSITION TILE
VIF	VERIFY IN FIELD
VTR	VENT THROUGH ROOF
VWC	VINYL WALLCOVERING
VWF	VINYL WALL FABRIC
W-__(#)	WINDOW TYPE
WC	WATER CLOSET
WD	WOOD
WSCT	WAINSCOT
WWF	WELDED WIRE FABRIC

SYMBOLS

SECTIONS — C1 / A5.2xx — DETAIL NO / DRAWING NO

GRIDS — 3

ELEVATIONS — INTERIOR: D1 / A4.1xx — DETAIL NO / DRWG NO — EXTERIOR: C1 / A5.1xx

OPENINGS, DEPRESSIONS OR AS NOTED

DETAIL REFERENCE — D2 / A4.2xx — DETAIL NO / DRAWING NO

NOTES, DIMENSIONS & DETAIL KEYS APPLY FROM NOTED DETAIL — 1 / A4.7xx — NOTES APPLY

MARKERBOARDS, TACKBOARDS, MAP RAILS — LENGTH: 8'-0" MBD; MATERIAL TYPE: 2

MATCHLINE

ELEVATION

REVISIONS

ROOM NAME: CLASSROOM — ROOM NUMBER: A102 — OR — CLASSROOM A102 ART

OWNER INFO, AS NEEDED

CEILING HEIGHT: 8'-8" — CEILING MATL/ FIN: ACT 1/-

DOOR OR WDW SWING & NO — A102

BORROWED LIGHT — A102L

EXISTING WALL/ DOOR/ OTHER

DEMOLISHED WALL/ DOOR/ OTHER

HINGE SIDE

WALL TYPES - INTERIOR — GA2

WALL TYPES - EXTERIOR — WA-01

EXTERIOR WINDOWS — W1

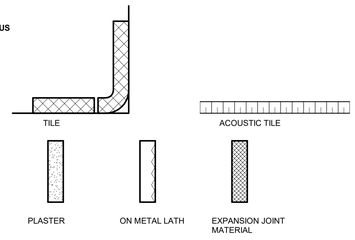
STOREFRONT — SF1

CURTAINWALL — CW1

LOUVER — L1

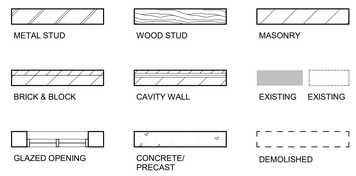
SYMBOLS

MISCELLANEOUS



SYMBOLS

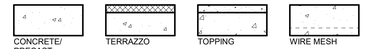
PARTITIONS



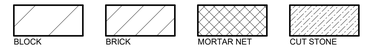
SYMBOLS

EARTH

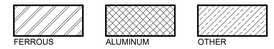
CONCRETE



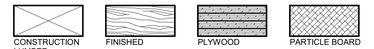
MASONRY/ STONE



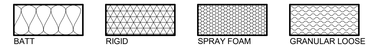
METAL



WOOD

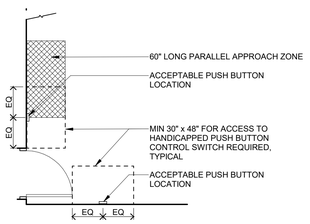


INSULATION

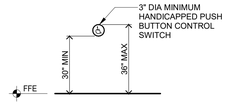


MISCELLANEOUS

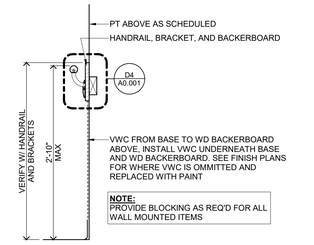
SYMBOLS



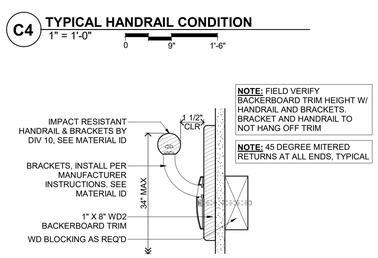
C1 PLAN AT HCAP PUSH BUTTON LOCATIONS
1/4" = 1'-0"



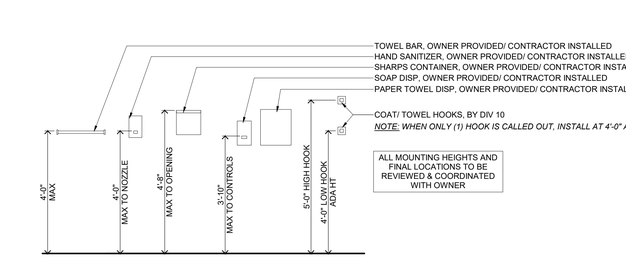
C2 ELEV AT HCAP PUSH BUTTON
3/8" = 1'-0"



C4 TYPICAL HANDRAIL CONDITION
1" = 1'-0"

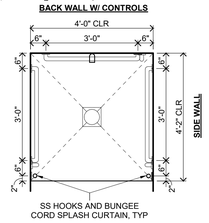


D4 HANDRAIL CONDITION
3" = 1'-0"

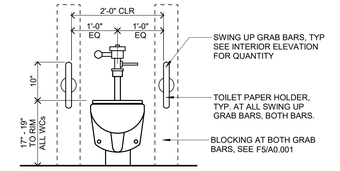


D5 INT DTL - TYP MOUNTING HEIGHTS
1/2" = 1'-0"

F1 INT DTL - TOILET RMS - AREAS B & C SHOWER
1/2" = 1'-0"

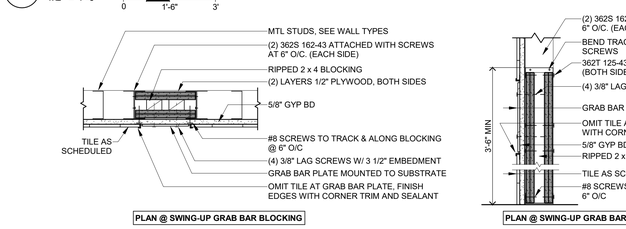


F2 INT DTL - TOILET RMS - AREA A SHOWER
1/2" = 1'-0"



F4 INT DTL - SWING UP GRAB BARS
3/4" = 1'-0"

E5 INT DTL - TYP. TOILET ROOM FIXTURE DIMENSIONS
1/2" = 1'-0"



F5 INT DTL - BLOCKING AT SWING UP GRAB ABRS
1 1/2" = 1'-0"

100% CD SET

A

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_Revit2022.rvt
Central: https://accdocs.autodesk.com/projects/2729/dm/ Saving Users Workshared Incrementally: JDV,Nathan,Vince
8/20/2025 3:24:15 PM

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 ARCHITECT under the laws of the State of MINNESOTA

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

Revisions		
Description	Date	Num

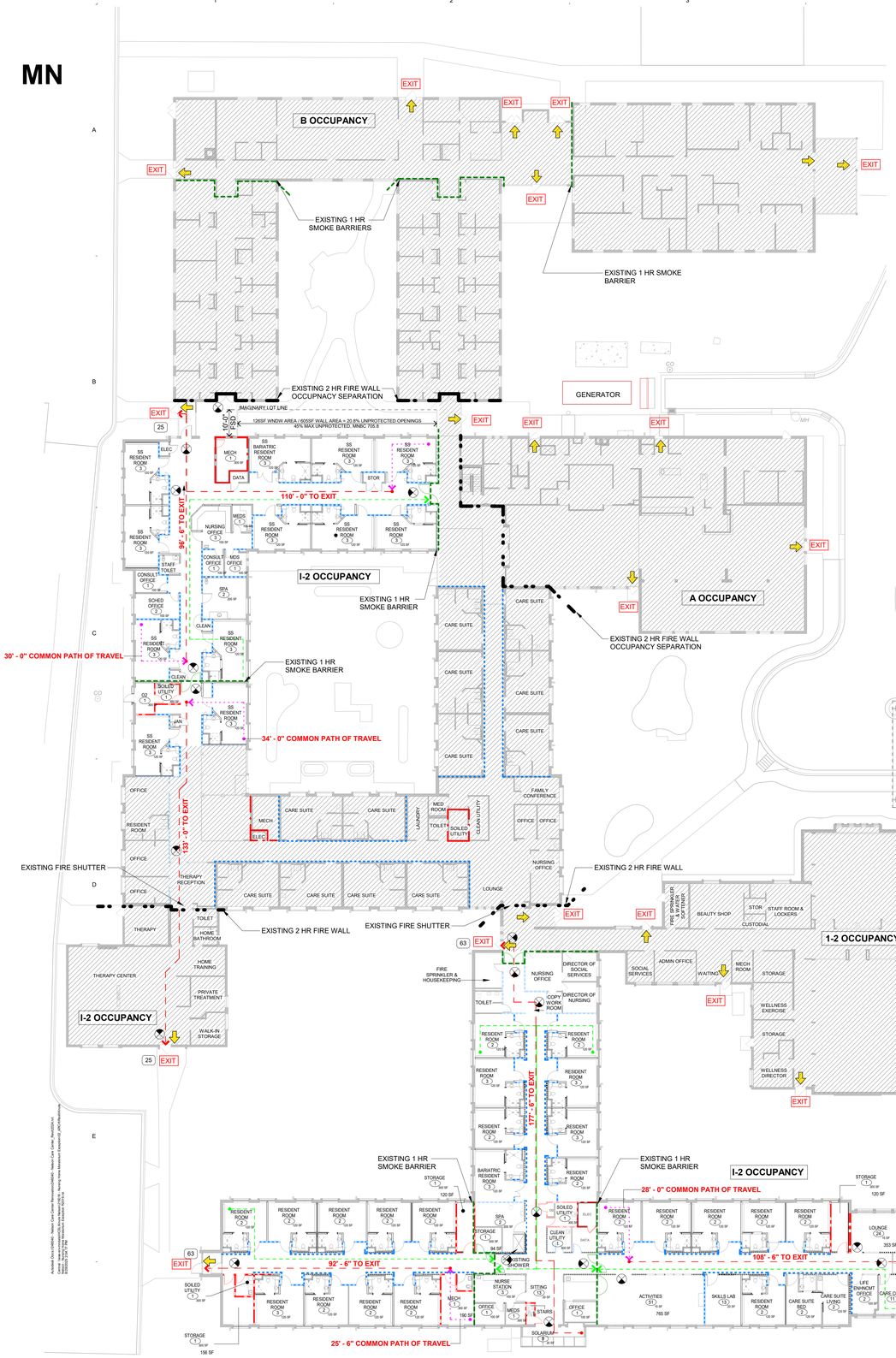
Comm: 246040
Date: 08/29/2025
Drawn: JDV/ CN
Check: EN
North

DETAILS - GENERAL - SYMBOLS, ABBREVIATIONS, & MOUNTING HEIGHTS

Scale: As indicated

A0.001

MN



A

F

X-80 FIRST FLOOR CODE PLAN
1" = 20'-0"
0 15' 30'

CODE ANALYSIS (MSBC 2020 / IBC 2018)
FULLY SPRINKLERED

1. PROJECT DESCRIPTION

PROJECT NAME: VIVIE NELSON CARE CENTER RENOVATION
PROJECT ADDRESS: 420 12TH AVENUE EAST, ALEXANDRIA MN 56308

SCOPE OF WORK:
THIS PROJECT INCLUDES THE REMODEL OF THE EXISTING SINGLE STORY NURSING HOME BUILDING INCLUDING AREA A (SHORT STAY), AREA B (MAPLES) AND AREA C (PINES). THE PROJECT WILL ALSO INCLUDE A DRIVE UNDER CANOPY AT THE MAIN ENTRANCE.

JURISDICTION: ALEXANDRIA, MN

APPLICABLE CODES:
2020 MINNESOTA STATE BUILDING CODE (MSBC), CHAPTER 1305, WHICH ADOPTS AND AMENDS THE 2018 INTERNATIONAL BUILDING CODE (IBC)
2020 MINNESOTA CONSERVATION CODE FOR EXISTING BUILDINGS, CHAPTER 1311
2020 MINNESOTA STATE MECHANICAL AND FUEL GAS CODE, CHAPTER 1346
2020 NATIONAL ELECTRICAL CODE (NEC)
2020 MINNESOTA STATE PLUMBING CODE, CHAPTER 4714
2020 MINNESOTA STATE FIRE CODE, WHICH ADOPTS AND AMENDS THE 2018 INTERNATIONAL FIRE CODE
2024 MINNESOTA COMMERCIAL ENERGY CODE, CHAPTERS 1322 & 1323
2020 MINNESOTA ACCESSIBILITY CODE, CHAPTER 1341
MINNESOTA NURSING HOME RULES

1. OCCUPANCY CLASSIFICATIONS — SECTION 302

SECTION 303, ASSEMBLY:	GROUPS A-1, A-2, A-3, A-4, A-5
SECTION 304, BUSINESS:	GROUP B
SECTION 308, INSTITUTIONAL:	GROUPS I-2

2. BUILDING AREA AND HEIGHT — CHAPTER 5

AREA A - SHORT STAY

OCCUPANCY TYPE:	I-2
CONSTRUCTION TYPE:	II-B(000)
NUMBER OF STORIES:	ONE STORY ABOVE GRADE
FIRE PROTECTION:	FULLY SPRINKLERED
ALLOWABLE BUILDING HEIGHT:	55'
ACTUAL BUILDING HEIGHT:	12' (EXISTING, NO CHANGE)
ALLOWABLE AREA:	44,000 SF
ACTUAL FLOOR AREA:	21,977 SF (EXISTING, NO CHANGE)

AREA B - MAPLES

OCCUPANCY TYPE:	I-2
CONSTRUCTION TYPE:	V-A
NUMBER OF STORIES:	ONE STORY ABOVE GRADE
FIRE PROTECTION:	FULLY SPRINKLERED
ALLOWABLE BUILDING HEIGHT:	50'
ACTUAL BUILDING HEIGHT:	15' (EXISTING, NO CHANGE)
ALLOWABLE AREA:	38,000 SF
ACTUAL FLOOR AREA:	17,687 SF (EXISTING, NO CHANGE)

AREA C - PINES

OCCUPANCY TYPE:	I-2
CONSTRUCTION TYPE:	V-A
NUMBER OF STORIES:	ONE STORY ABOVE GRADE
FIRE PROTECTION:	FULLY SPRINKLERED
ALLOWABLE BUILDING HEIGHT:	50'
ACTUAL BUILDING HEIGHT:	15' (EXISTING, NO CHANGE)
	21' AT NEW DRIVE-UNDER CANOPY
ALLOWABLE AREA:	38,000 SF
ACTUAL FLOOR AREA:	22,343 SF (EXISTING, NO CHANGE)

2. INCIDENTAL USE AREAS — TABLE 509

FURNACE ROOM (400,000 BTU)	SPRINKLER AND CONST. RESISTING SMOKE
BOILER ROOM (15 PSI OR 10 HP)	SPRINKLER AND CONST. RESISTING SMOKE
REFRIGERANT MACHINERY ROOMS	SPRINKLER AND CONST. RESISTING SMOKE
HYDROGEN CUT-OFF ROOMS (NOT GROUP H ROOMS)	2 HR (GROUP A, E, I, R)
INCINERATOR ROOMS	2 HR AND SPRINKLER
LABORATORIES AND VOCATIONAL SHOPS	SPRINKLER AND CONST. RESISTING SMOKE
LAUNDRY ROOMS OVER 100 S.F.	SPRINKLER AND CONST. RESISTING SMOKE
GROUP I-2 WASTE AND LINEN COLLECTION ROOMS	1 HR
GROUP I-2 STORAGE ROOMS GREATER THAN 100 S.F.	1 HR
GROUP I-2 PHYSICAL PLANT MAINENANCE SHOPS	1 HR
WASTE AND LINEN COLLECTION ROOMS OVER 100 S.F.	SPRINKLER AND CONST. RESISTING SMOKE
STATIONARY LEAD-ACID BATTERY SYSTEMS FOR STANDBY, EMERGENCY OR UNINTERRUPTED POWER SUPPLIES	1 HR (GROUP B, F, M, S, U) 2 HR (GROUP A, E, I, R)

3. OCCUPANCY SEPARATIONS — SECTION 508

A. SEPARATIONS — TABLE 508.4

1.	GROUP I-2 TO A	2 HR
2.	GROUP I-2 TO B	2 HR

B. NOTES:
1. NO SEPARATION IS REQUIRED BETWEEN ACCESSORY OCCUPANCIES OR THE MAIN OCCUPANCY PER 508.2.4.
2. PER 508.2, ACCESSORY OCCUPANCIES ARE DEFINED AS NOT OCCUPYING MORE THAN 10% OF MAIN OCCUPANCY, SMALL ASSEMBLY AREAS OF LESS THAN 750 S.F. (303.1.2) OR ASSEMBLY AREAS ACCESSORY TO GROUP E (303.1.3)
3. COMMERCIAL KITCHENS AND DEDICATED RESTAURANT SEATING AREAS DO NOT REQUIRE A SEPARATION.

4. CONSTRUCTION TYPE / FIRE RESISTANCE — TABLE 601 / 602

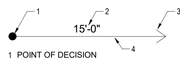
AREA A - TYPE II-B

BUILDING ELEMENT	FIRE RESISTANCE
STRUCTURAL FRAME	0 HR
EXT. BEARING WALLS	0 HR (OR PER TABLE 602)
INT. BEARING WALLS	0 HR
EXT. NON-BEARING WALLS	0 => 30 FT.
INT. NON-BEARING WALLS	0 HR
FLOOR CONSTRUCTION	0 HR
ROOF CONSTRUCTION	0 HR
VERTICAL SHAFTS	1 HR < 4 STORIES; 2 HR = 4 STORIES +
CORRIDORS (TABLE 1020 / 708)	0 HR WITH SPRINKLER SYSTEM
EXIT ACCESS STAIRWAY (1009.3)	2 STORIES UNENCLOSED (EXCEPTION 1)
INTERIOR EXIT STAIRWAY (1023)	1 HR < 4 STORIES, 2 HR = 4 STORIES +

AREA B AND C - TYPE V-A

BUILDING ELEMENT	FIRE RESISTANCE
STRUCTURAL FRAME	1 HR
EXT. BEARING WALLS	1 HR
INT. BEARING WALLS	1 HR
EXT. NON-BEARING WALLS	0 => 30 FT.
INT. NON-BEARING WALLS	0 HR
FLOOR CONSTRUCTION	1 HR
ROOF CONSTRUCTION	1 HR
VERTICAL SHAFTS AND ELEVATOR SHAFTS (707.3.1 / 713.4)	1 HR < 4 STORIES; 2 HR = 4 STORIES +
CORRIDORS (TABLE 1020 / 708)	0 HR WITH SPRINKLER SYSTEM
EXIT ACCESS STAIRWAY (1009.3)	2 STORIES UNENCLOSED (EXCEPTION 1)
INTERIOR EXIT STAIRWAY (1023)	1 HR < 4 STORIES, 2 HR = 4 STORIES +

CODE PLAN LEGEND



1 POINT OF DECISION
2 TRAVEL DISTANCE
3 POINT OF EGRESS
4 LINE OF TRAVEL

COMMON PATH OF TRAVEL
DISTANCE TO EXIT
DISTANCE TO SMOKE BARRIER

ROOM TAG

ROOM NAME
OCCUPANT LOAD
OCCUPANT FACTOR

DOOR TAG

EXIT LOAD

EXIT SIGN (SINGLE SIDED)
EXIT SIGN WITH DIRECTIONAL ARROW

NEW WALLS

1-HR RATED BEARING WALL

1 HOUR SMOKE PARTITION
CONSTRUCTION CAPABLE OF RESISTING THE PASSAGE OF SMOKE
(509.4.2 / MN PR-01)

GAPS < 1 1/2":	MINERAL WOOL OR FIRE SAFING
GAPS > 1 1/2":	SMOKE SEALANT
DOOR CLOSERS REQ'D:	(SMOKE GASKETING NOT REQUIRED)
TRANSFER DUCTS:	SMOKE DAMPER
STANDARD DUCTS:	SMOKE / FIRE DAMPER NOT REQUIRED

1 HOUR SMOKE BARRIER (OCCUPANCY I-3, 408.6 / 709.3)

OPENINGS:	DOORS 20 MIN., WINDOWS 45 MIN.
GLAZING:	1296 SQ IN, 54" MAX WIDTH/ HEIGHT OR MAX SIZE TESTED
DUCTWORK:	SMOKE DAMPER

NEW 1 HOUR FIRE BARRIER
(SHAFT ENCLOSURES: 707.3.1, INCIDENTAL USE AREAS: 509, OCCUPANCY SEPARATIONS: 508.4, INTERIOR EXIT STAIRWAY 1023.2/ EXIT ACCESS STAIRWAY: 1009.3.1)

DOOR OPENINGS:	60 MIN. (SHAFT ENCLOSURES)
	45 MIN. (INCIDENTAL USE AREAS, OCCUPANCY SEPARATIONS)
GLAZING:	60 MIN. OPENINGS: 100 SQ IN MAX, 33" MAX HT, 10" MAX WIDTH
	45 MIN. OPENINGS: 1296 SQ IN MAX, 54" MAX HT, 54" MAX WIDTH
DUCTWORK:	90 MIN. FIRE DAMPER (NOT REQUIRED WITH DUCTED HVAC)
	90 MIN FIRE/ SMOKE DAMPER (AT SHAFT ENCLOSURES)

EXISTING WALLS

EXISTING 1-HR RATED BEARING WALL TO REMAIN

EXISTING 1 HOUR SMOKE PARTITION
EXISTING CONSTRUCTION CAPABLE OF RESISTING THE PASSAGE OF SMOKE-NOT UPGRADED. ALL NEW WORK TO CONFORM (509.4.2 / MN PR-01)

GAPS < 1 1/2":	MINERAL WOOL OR FIRE SAFING
GAPS > 1 1/2":	SMOKE SEALANT
DOOR CLOSERS REQ'D:	(SMOKE GASKETING NOT REQUIRED)
TRANSFER DUCTS:	SMOKE DAMPER
STANDARD DUCTS:	SMOKE / FIRE DAMPER NOT REQUIRED

EXISTING 1 HOUR SMOKE BARRIER-NOT UPGRADED. ALL NEW WORK TO CONFORM (OCCUPANCY I-3, 408.6 / 709.3)

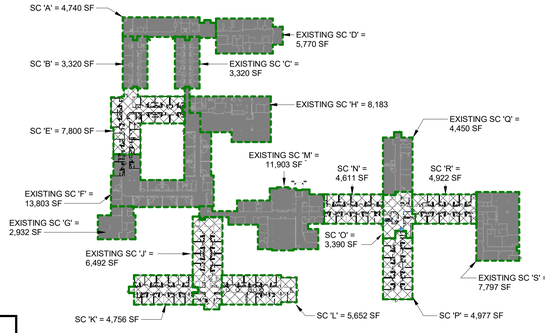
OPENINGS:	DOORS 20 MIN., WINDOWS 45 MIN.
GLAZING:	1296 SQ IN, 54" MAX WIDTH/ HEIGHT OR MAX SIZE TESTED
DUCTWORK:	SMOKE DAMPER

EXISTING 1 HOUR FIRE BARRIER-NOT UPGRADED. ALL NEW WORK TO CONFORM (SHAFT ENCLOSURES: 707.3.1, INCIDENTAL USE AREAS: 509, OCCUPANCY SEPARATIONS: 508.4, INTERIOR EXIT STAIRWAY 1023.2/ EXIT ACCESS STAIRWAY: 1009.3.1)

DOOR OPENINGS:	60 MIN. (SHAFT ENCLOSURES)
	45 MIN. (INCIDENTAL USE AREAS, OCCUPANCY SEPARATIONS)
GLAZING:	60 MIN. OPENINGS: 100 SQ IN MAX, 33" MAX HT, 10" MAX WIDTH
	45 MIN. OPENINGS: 1296 SQ IN MAX, 54" MAX HT, 54" MAX WIDTH
DUCTWORK:	90 MIN. FIRE DAMPER (NOT REQUIRED WITH DUCTED HVAC)
	90 MIN FIRE/ SMOKE DAMPER (AT SHAFT ENCLOSURES)

EXISTING 2 HOUR FIRE WALL-NOT UPGRADED.
ALL NEW WORK TO CONFORM (AREA SEPARATIONS: 706.1, HORIZONTAL EXITS: 1026.1)

DOOR OPENINGS:	90 MIN.; < 25% LENGTH OF WALL
GLAZING:	90 MIN. 100 SQ. IN. MAX
DUCTWORK:	90 MIN. FIRE DAMPER
	90 MIN. FIRE/SMOKE DAMPER (AT HORIZONTAL EXITS)



F7 OVERALL SMOKE COMPARTMENT PLAN
1" = 100'-0"
0 75' 150'

NOTE: THIS DRAWING MUST BE PRINTED IN COLOR TO REPRODUCE ALL FIRE RATED WALL SYMBOLS.

100% CD SET

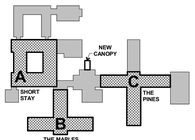
Nelson Care Center Renovation

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

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

CODE PLAN

Scale: **As Indicated**

A0.101

MN

F1 **OVERAL FIRST FLOOR PLAN**
1" = 30'-0"
0 22'-6" 45'

Legend

- Building Support
- Care Suite
- Circulation
- Circulation (New Flooring)
- Common Space
- Double Resident Room
- Private Resident Room
- Staff Space
- Toilet

Nelson Care Center Renovation

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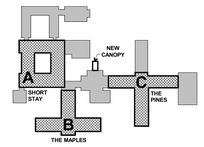

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North

OVERALL FIRST FLOOR PLAN - FOR REFERENCE ONLY

Scale: **1" = 30'-0"**

100% CD SET

A0.200

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_Rev2025.rvt
Central: https://connect.trimble.com/acc/w/4ee7d7f2-7e1c-4e7e-8ee4-f1f3f7f7a1c2
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MN

PHASING KEY

PHASE 1 - SHORT STAY AND INTERIOR ELECTRICAL WORK

PHASE 2 - THE MAPLES

PHASE 3 - THE PINES, CANOPY, GENERATOR, & SITEWORK

ADD ALTERNATES

SEE PLANS FOR FULL ADD ALTERNATE DETAILS

ADD ALT #1 – North Parking Lot

ADD ALT #2 – West Short-Stay Parking Lot

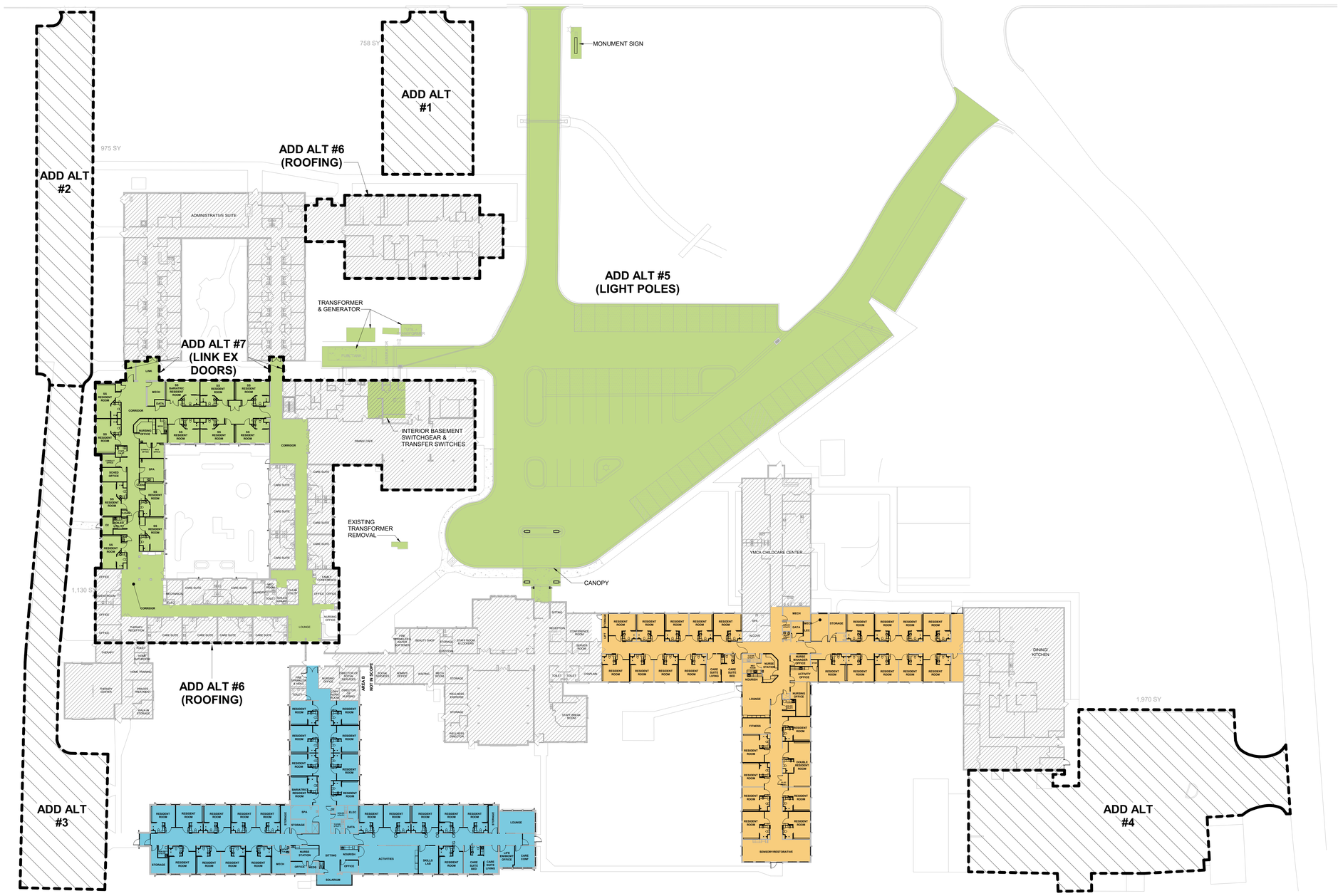
ADD ALT #3 – Southwest Parking Lot

ADD ALT #4 – East Employee Parking Lot

ADD ALT #5 – Parking Lot Light Pole Replacement

ADD ALT #6 – Roofing at Short-Stay & Admin Wings

ADD ALT #7 – Replacement of Area A Link Doors and Frames



F1 **OVERALL BUILDING PHASING PLAN**
1" = 30'-0"
0 22'-6" 45'

A

100% CD SET

Nelson Care Center Renovation

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

PHASING PLAN AND ADD ALTERNATES

Scale: **As Indicated**

A0.300

Architects Boys 2024/2025 - Nelson Care Center Renovation/246040 - Nelson Care Center_Base2025.rvt
Central - Temporary Isolation/2025_Permit Set Backup/100% CD - Temporary Isolation Measures & Isolation Plans.rvt
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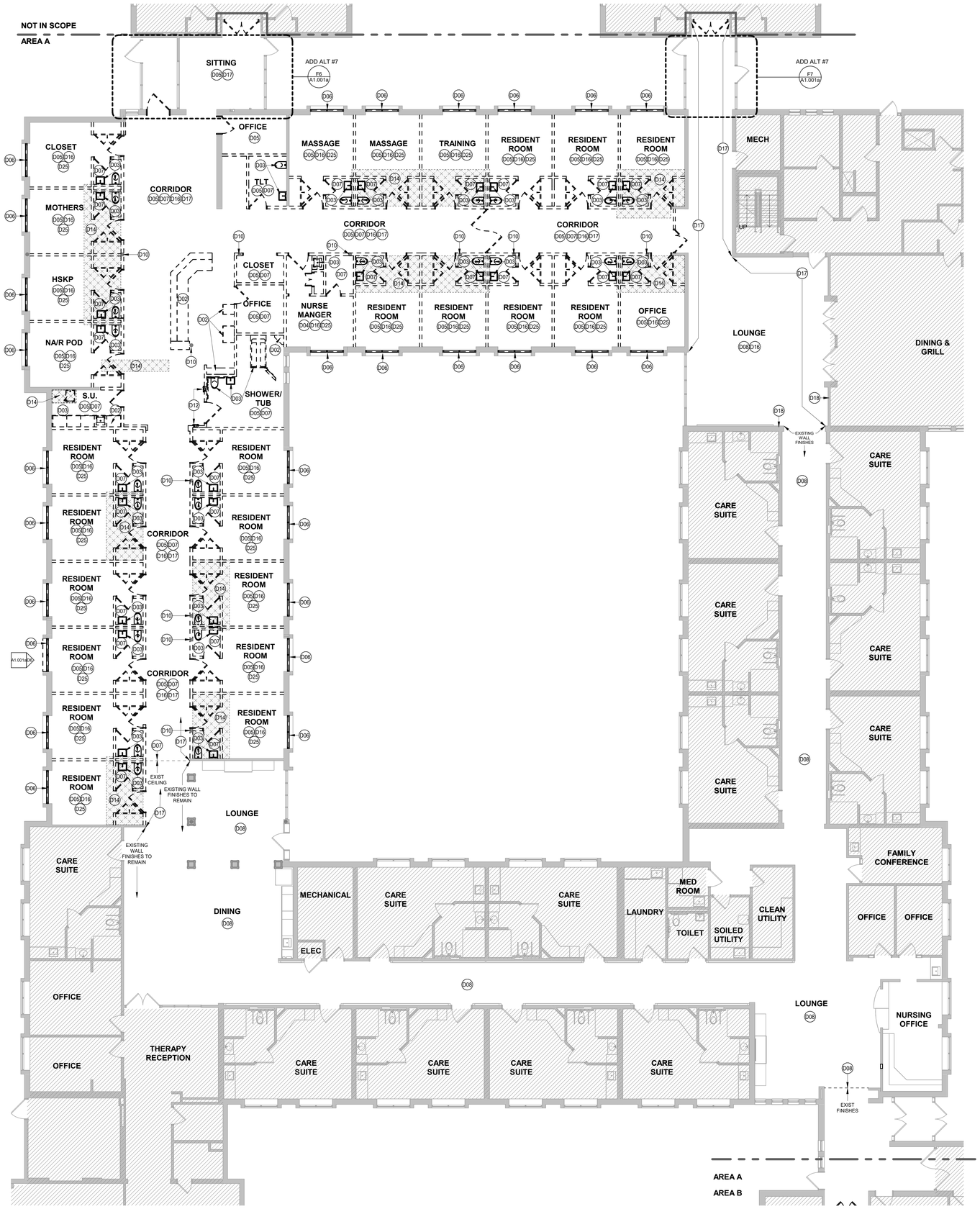


F1 FIRST FLOOR DEMO PLAN - AREA A
1/8" = 1'-0"

DEMOLITION GENERAL NOTES

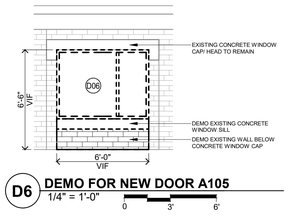
1. DEMOLITION NOTES APPLY TO ALL DRAWING SHEETS. DEMOLITION NOTES AND PLANS ARE PROVIDED AS A GUIDE ONLY. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND EXAMINE DRAWINGS AND DETAILS TO DETERMINE EXTENT AND LIMITS OF DEMOLITION REQUIRED TO ACCOMMODATE NEW CONSTRUCTION.
2. DEMOLITION KEY NOTES WITHOUT ARROWS 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

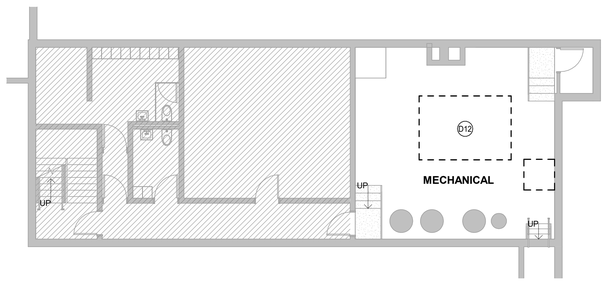
- WALL TO REMAIN
- WALL TO BE REMOVED
- DOOR TO REMAIN
- DOOR, FRAME, AND HARDWARE TO BE REMOVED UNLESS NOTED OTHERWISE
- DESIGNATED ITEM TO REMAIN
- DESIGNATED ITEM TO BE REMOVED
- NOT IN SCOPE OF WORK
- EXISTING THICKENED SLAB FOOTING
- APPROXIMATE EXTENTS OF SLAB CUTTING

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.

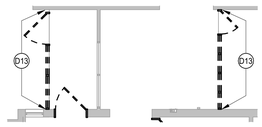


D6 DEMO FOR NEW DOOR A105
1/4" = 1'-0"

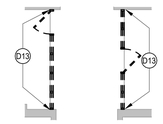


E6 LOWER LEVEL DEMOLITION PLAN - AREA A
1/8" = 1'-0"

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

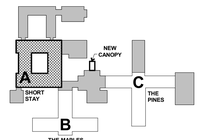
Nelson Care Center Renovation

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

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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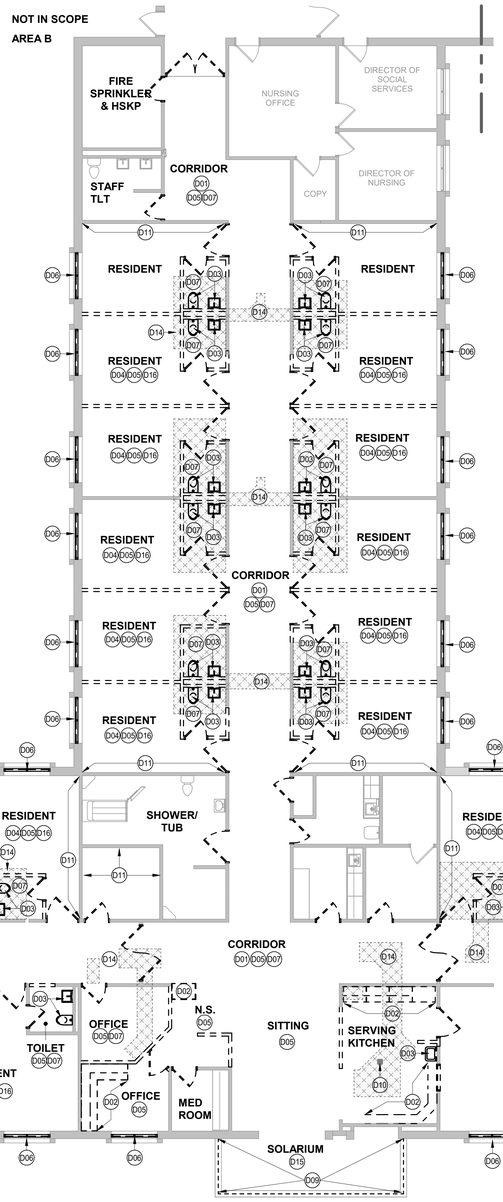
MN



F1 FIRST FLOOR DEMO PLAN - AREA B
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.
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

Nelson Care Center Renovation

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Alexandria, MN 56308

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Vivie
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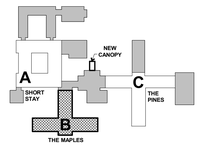
Alexandria, MN 56308

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 ARCHITECT under the laws of the State of MINNESOTA

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

Revisions		
Description	Date	Num

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

North

FIRST FLOOR DEMOLITION PLAN - AREA B

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

100% CD SET

A1.001b

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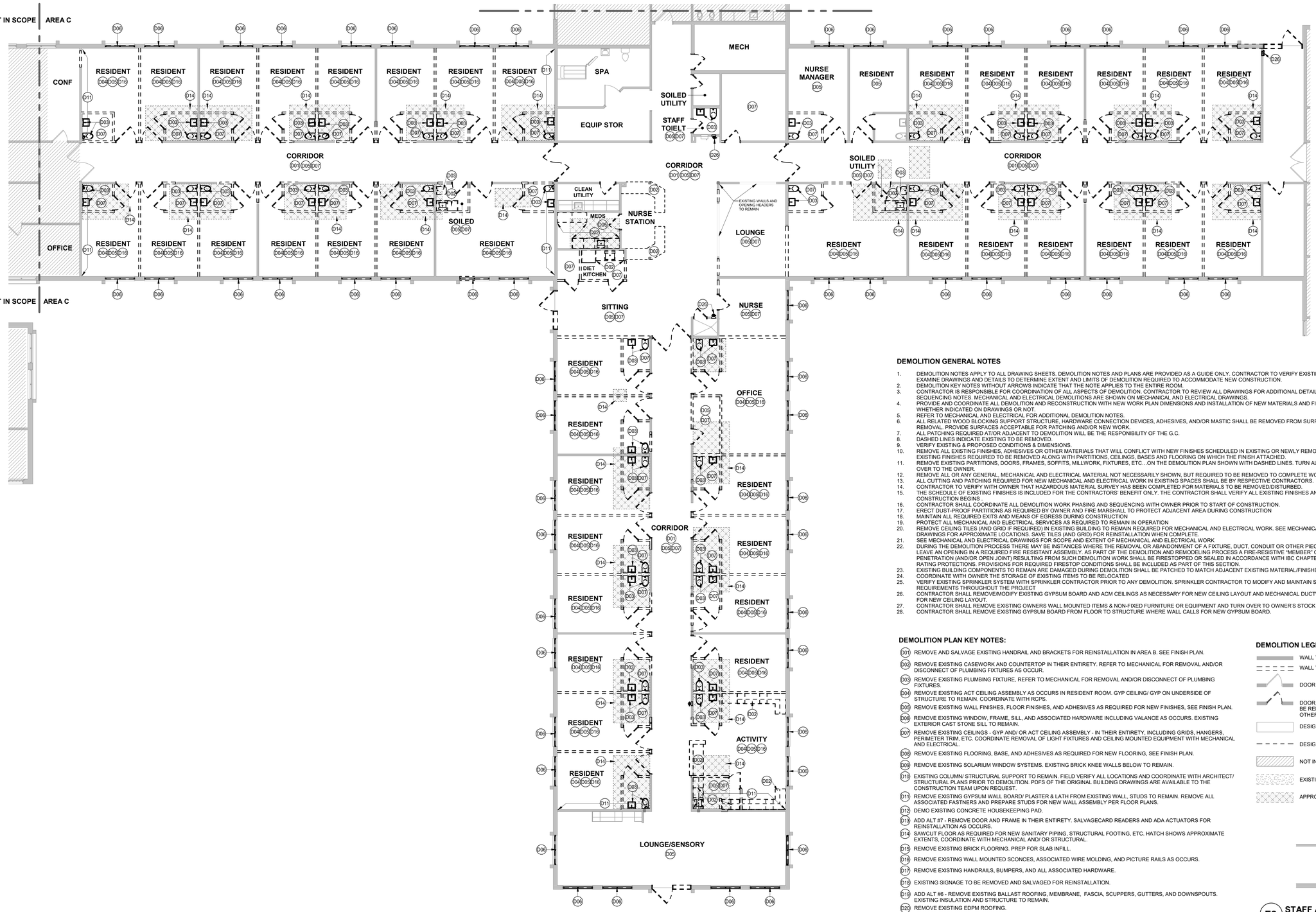

F4 FIRST FLOOR DEMO PLAN - AREA C
1/8" = 1'-0"
0 6' 12'

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.
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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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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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27. CONTRACTOR SHALL REMOVE EXISTING OWNERS WALL MOUNTED ITEMS & NON-FIXED FURNITURE OR EQUIPMENT AND TURN OVER TO OWNER'S STOCK IN DEMOLITION AREAS .
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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.
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- 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'

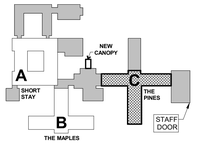
Nelson Care Center Renovation

420 12th Ave E,
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.

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: "Autodesk Docs://246040 - Vivie Care Group Renovations/246040 - Nelson Care Center_Rev25.rvt"
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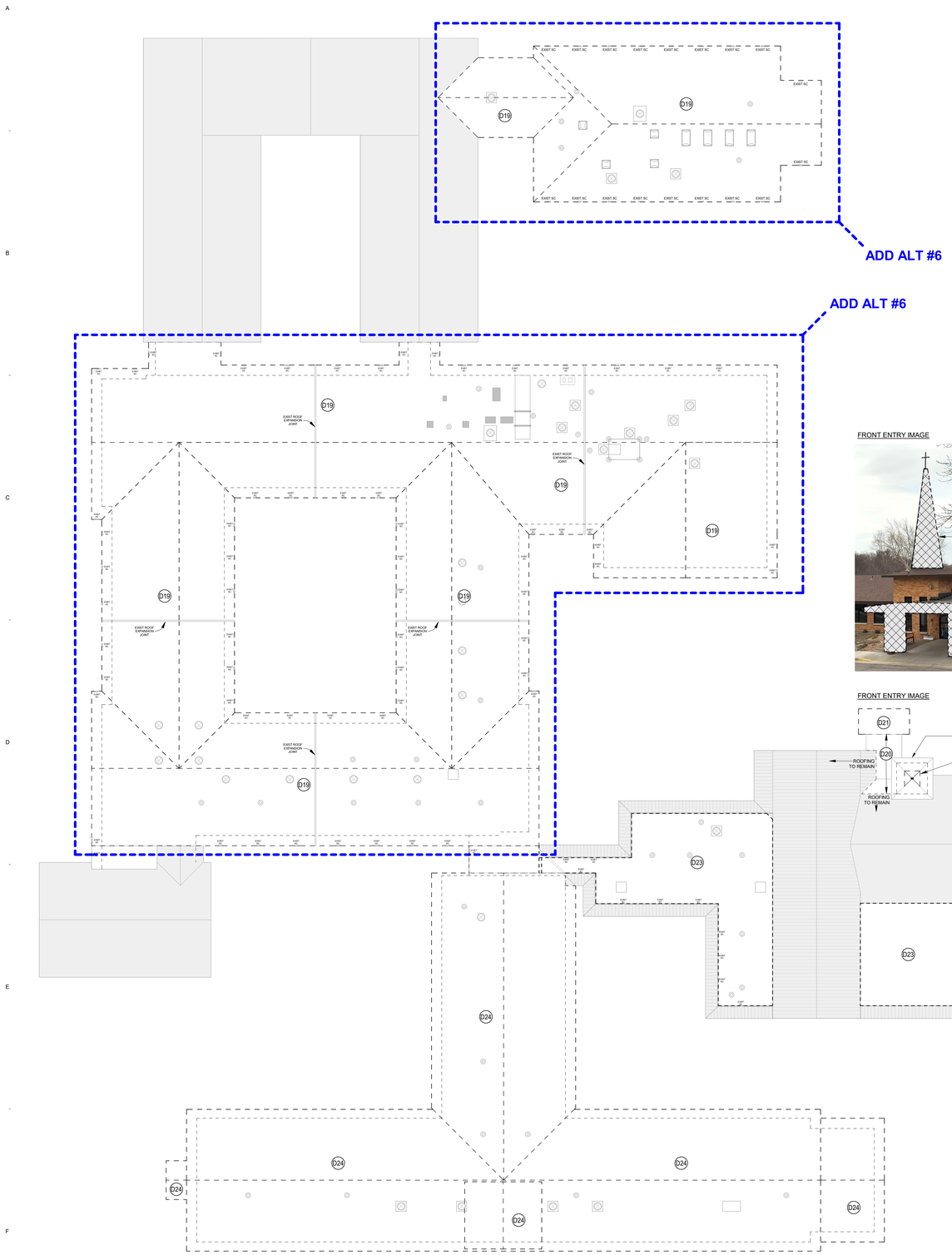

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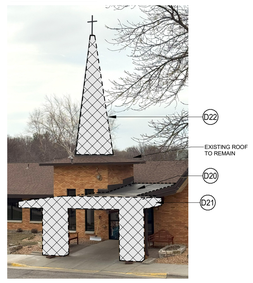

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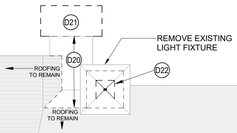

DEMOLITION LEGEND

- 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 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.
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.

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

100% CD SET

Nelson Care Center Renovation

420 12th Ave E,
Alexandria, MN 56308

246040

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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

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

North

ROOF DEMOLITION PLAN

Scale: **As Indicated**

A1.100

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Central: https://connected25.autodesk.com/A360/projects/b.7ec1e1a2-7e4e-4e0e-a7d2-f1b1c1d1e1f1
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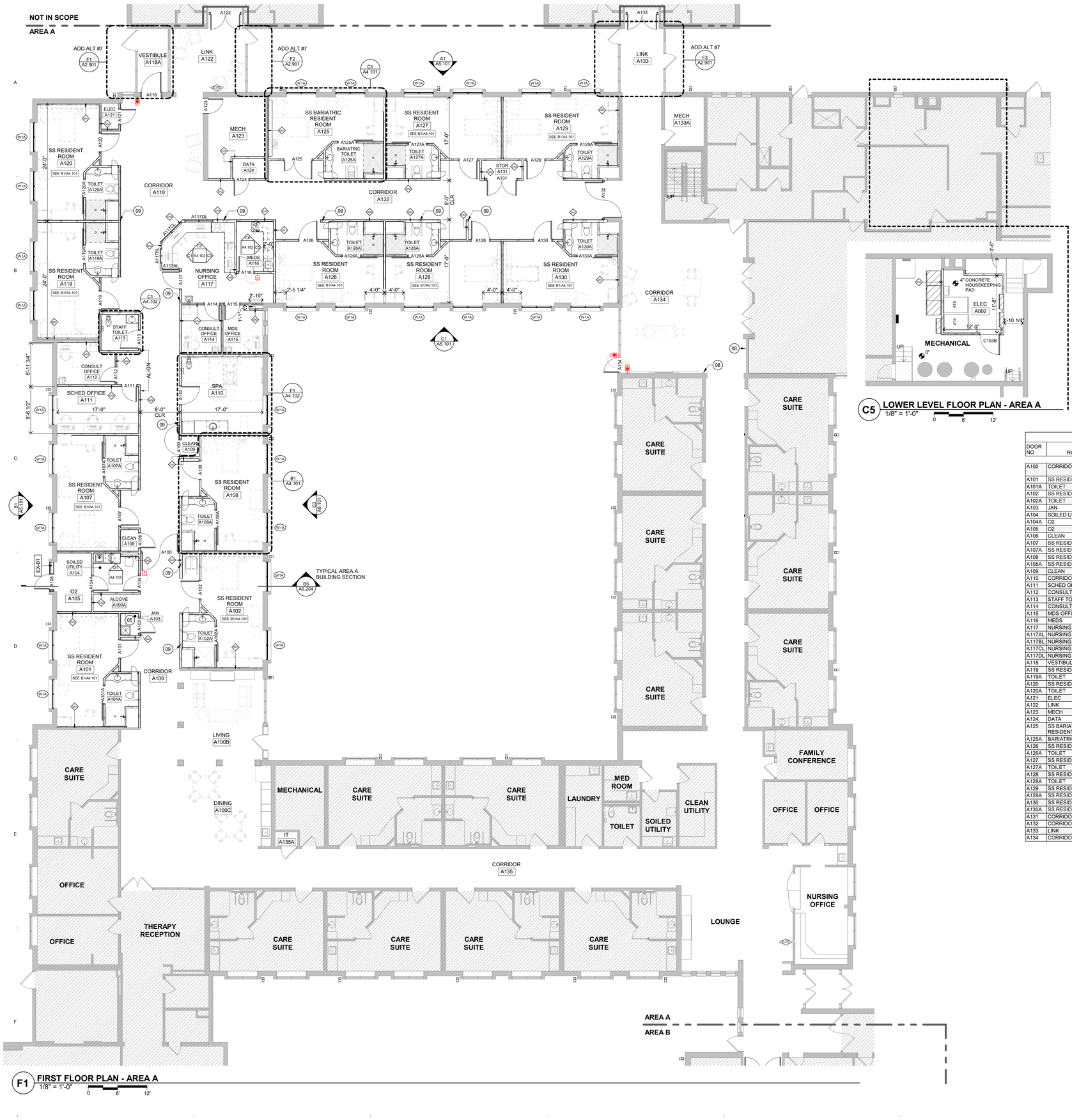


C5 LOWER LEVEL FLOOR PLAN - AREA A
1/8" = 1'-0"
0 6' 12'

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

FLOOR PLAN GENERAL NOTES

OUT OF SCOPE — RECESSED SLAB FOR SHOWER

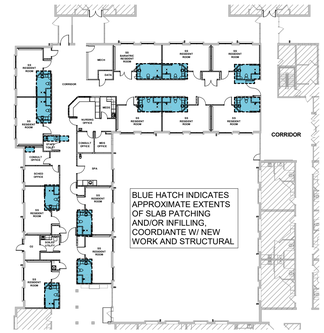
1. FIELD VERIFY ALL MILLWORK OPENINGS.
2. REFER TO SHEET A0.001 FOR ABBREVIATIONS & SYMBOLS.
3. REFER TO SHEET A4.00a FOR MATERIAL FINISH/COLOR SCHEDULE & INTERIOR SPECIFICATIONS.
4. ALL PLAN DIMENSIONS ARE TO FACE OF WALL. SEE WALL TYPES FOR ACTUAL THICKNESS. VERIFY DIMENSIONS WITH STRUCTURAL.
5. ALL 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

DOOR / OPENING SCHEDULE - AREA A

DOOR NO	ROOM	DOOR / OPENING TYPE	QTY	WIDTH	HEIGHT	MATL	LABEL/ RATING	OVERALL WIDTH	FRAME TYPE	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	ELEC	F	1	3'-0"	7'-0"	WD	--	3'-4"	FR 1A	HM	14	
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	
A124	DATA	F	1	3'-0"	7'-0"	WD		3'-4"	FR 1A	HM	33	
A125	SS BARIATRIC RESIDENT ROOM	F	2	3'-8" 2'-0"	7'-0"	WD		6'-0"	FR 1A	HM	11	PROVIDE DP1 & DP2 (BOTH PANELS)
A125A	BARIATRIC TOILET	A	1	3'-10"	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	



F7 ARAEA A - 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

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

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

FIRST FLOOR PLAN - AREA A - SHORT STAY

Scale: As indicated

A2.00a

Architect Firm:(888)xxx-xxxx Nelson Care Center Renovation(246040) Nelson Care Center Rev(2025).rvt
Central File: N:\Projects\246040\Revit\Nelson Care Center Rev(2025).rvt Printing Views Maintained in Central File
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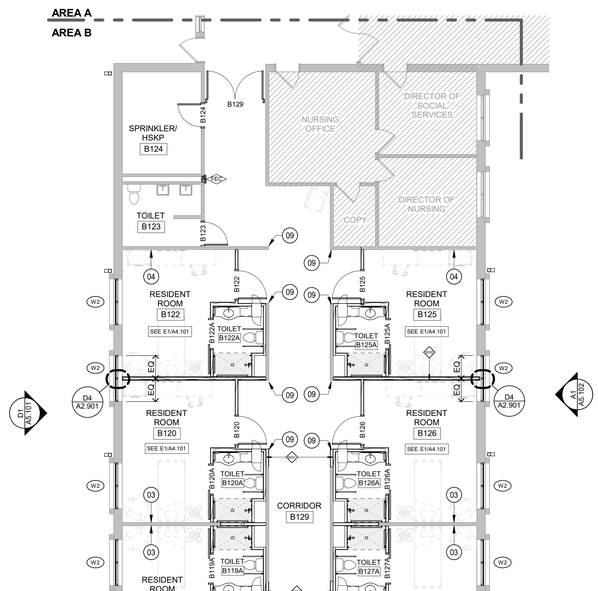
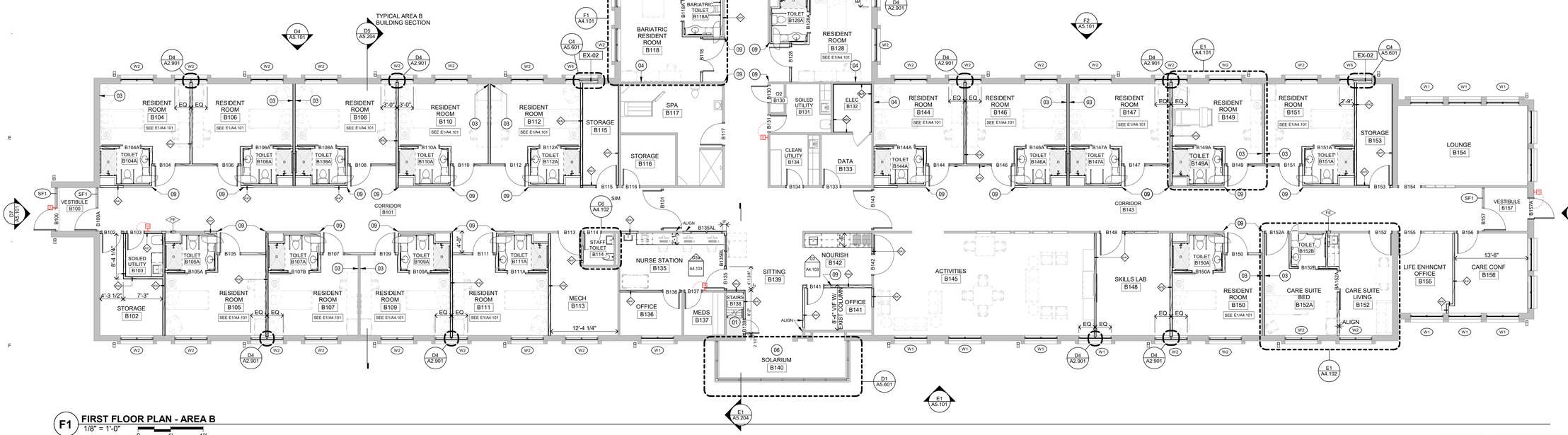
MN

DOOR / OPENING SCHEDULE - AREA B

DOOR NO	ROOM	DOOR / OPENING TYPE	QTY	WIDTH	HEIGHT	MATL	LABEL/ RATING	OVERALL WIDTH	FRAME TYPE	FRAME MATL	HDW GRP	REMARKS
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	
B148	SKILLS LAB	FG	1	4'-0"	6'-8"	WD		4'-4"	FR 1	HM	31	
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	



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'

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

100% CD SET

Nelson Care Center Renovation

420 12th Ave E,
Alexandria, MN 56308

246040

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Alexandria, MN 56308

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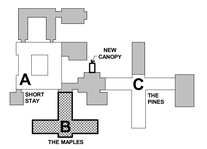


KEY PLAN

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 ARCHITECT under the laws of the State of MINNESOTA

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

Revisions		
Description	Date	Num

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

North

Scale: As indicated

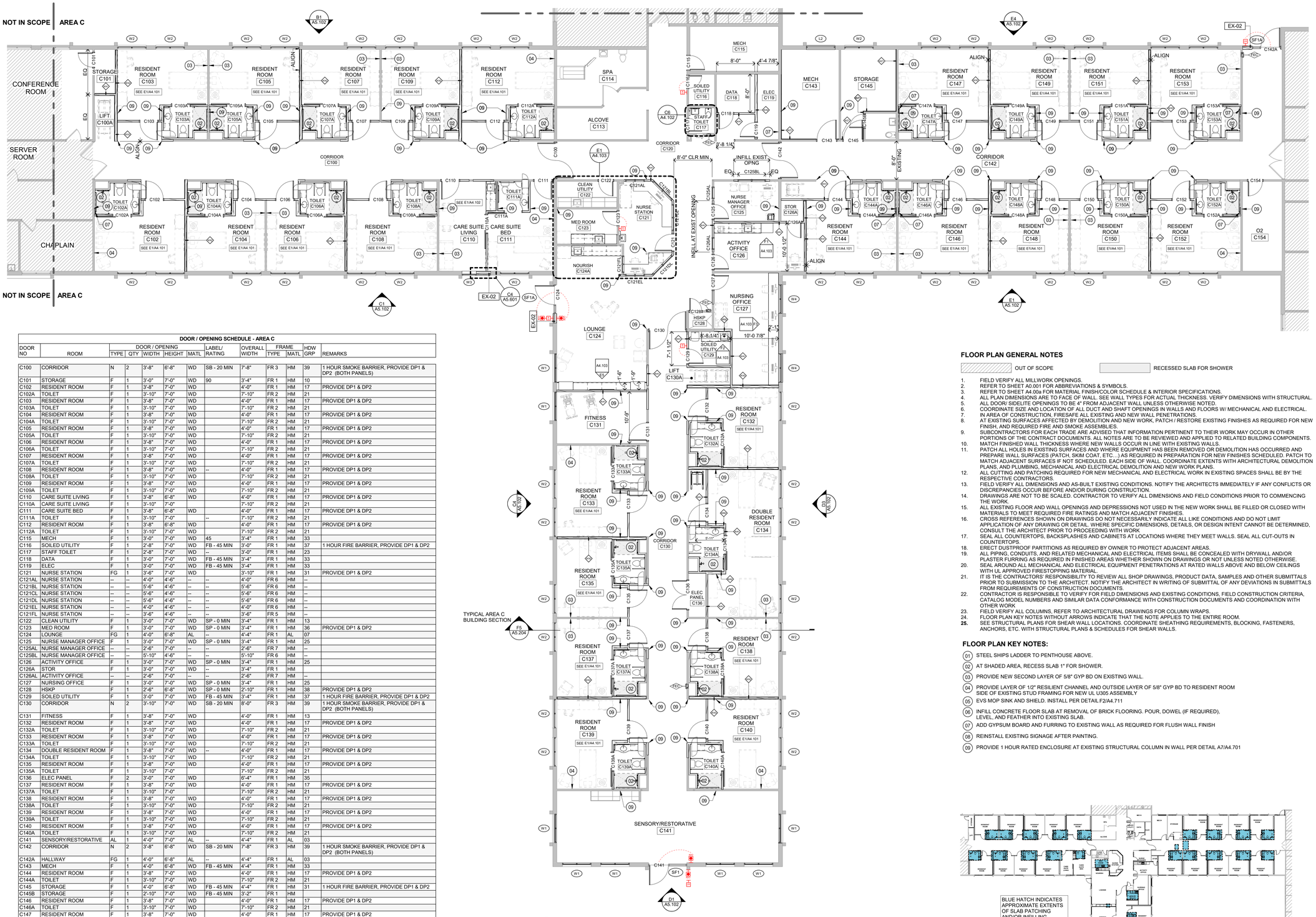
FIRST FLOOR PLAN - AREA B - MAPLES

A2.00b

Architect Firm Address Nelson Care Center Renovation246040 Master Color Sheet.pln2025-0
Owner Name Accessibility Site Address 2209 N. Nursing Home Assessment 3 Assisting.pdf, ADA Architectural Plan Set Alexandria, MN 56308
8/29/2025 2:05:16 PM

MN

NOT IN SCOPE | AREA C



NOT IN SCOPE | AREA C

TYPICAL AREA C BUILDING SECTION
F5 A5.204

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

DOOR / OPENING SCHEDULE - AREA C

DOOR NO	ROOM	DOOR / OPENING TYPE	QTY	WIDTH	HEIGHT	MATL	LABEL/ RATING	OVERALL WIDTH	FRAME TYPE	FRAME MATL	HDW GRP	REMARKS
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	TOILET	F	1	3'-10"	7'-0"	WD		7'-10"	FR 2	HM	21	
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"	WD		7'-10"	FR 2	HM	21	
C136	ELEC PANEL	F	2	3'-0"	7'-0"	WD		6'-4"	FR 1	HM	35	
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
C145B	STORAGE	F	1	2'-10"	7'-0"	WD	FB - 45 MIN	3'-2"	FR 1	HM		
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		

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. IN AREA OF CONSTRUCTION, FIRESAFE ALL EXISTING AND NEW WALL PENETRATIONS.
7. AT EXISTING SURFACES AFFECTED BY DEMOLITION AND NEW WORK, PATCH / RESTORE EXISTING FINISHES AS REQUIRED FOR NEW FINISH, AND REQUIRED FIRE AND SMOKE ASSEMBLIES.
8. 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.
9. MATCH FINISHED WALL THICKNESS WHERE NEW WALLS OCCUR IN LINE WITH EXISTING WALLS.
10. 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.
11. ALL CUTTING AND PATCHING REQUIRED FOR NEW MECHANICAL AND ELECTRICAL WORK IN EXISTING SPACES SHALL BE BY THE RESPECTIVE CONTRACTORS.
12. FIELD VERIFY ALL DIMENSIONS AND AS-BUILT EXISTING CONDITIONS. NOTIFY THE ARCHITECTS IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES OCCUR BEFORE AND/OR DURING CONSTRUCTION.
13. DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR TO VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO COMMENCING THE WORK.
14. 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.
15. 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
16. SEAL ALL COUNTERTOPS, BACKSPLASHES AND CABINETS AT LOCATIONS WHERE THEY MEET WALLS. SEAL ALL CUT-OUTS IN COUNTERTOPS.
17. ERECT DUSTPROOF PARTITIONS AS REQUIRED BY OWNER TO PROTECT ADJACENT AREAS.
18. 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.
19. SEAL AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT PENETRATIONS AT RATED WALLS ABOVE AND BELOW CEILINGS WITH UL APPROVED FIRESTOPPING MATERIAL.
20. 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.
21. 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.
22. FIELD VERIFY ALL COLUMNS, REFER TO ARCHITECTURAL DRAWINGS FOR COLUMN WRAPS.
23. FLOOR PLAN KEY NOTES WITHOUT ARROWS INDICATE THAT THE NOTE APPLIES TO THE ENTIRE ROOM.
24. **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 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

F6 AREA C - SLAB PATCHING KEY PLAN
1" = 30'-0"
0 22'-6" 45'

100% CD SET

A

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Nelson Care Center Renovation

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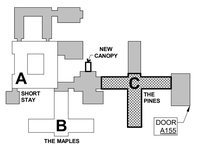
C8 STAFF AREA DOOR A155
1/8" = 1'-0"
0 6' 12'



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

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

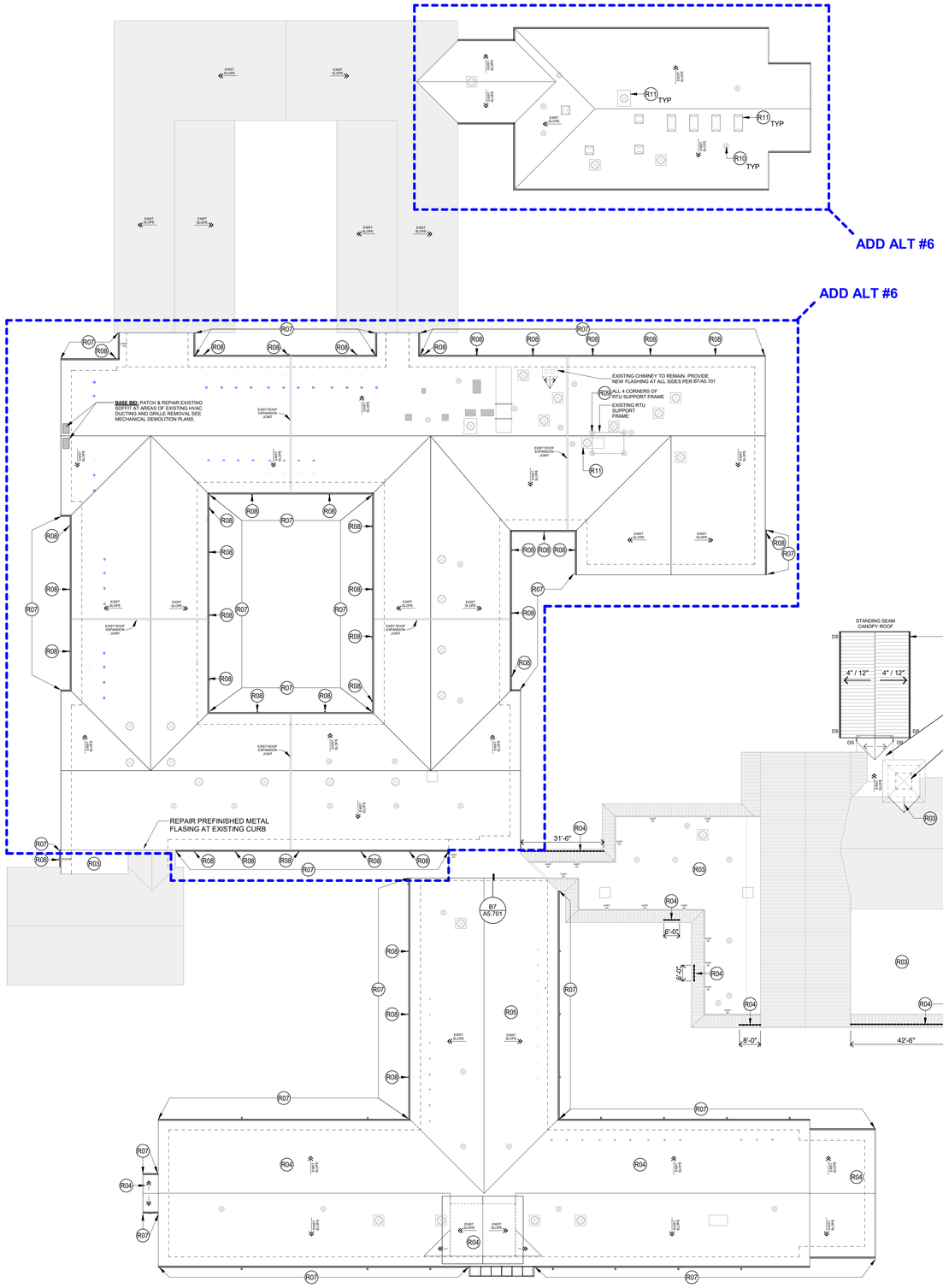
North

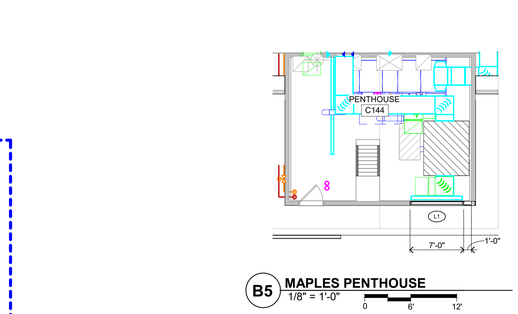
FIRST FLOOR PLAN - AREA C - PINES

Scale: **As Indicated**

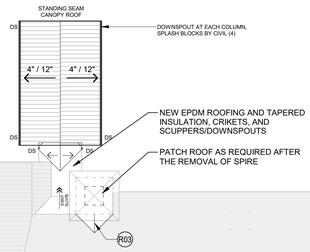
A2.00c

MN





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



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

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

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.
- R05 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 / SKYLIGHT CURB TO REMAIN. PROVIDE NEW FLASHING PER DETAIL E2/A5.701

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Nelson Care Center Renovation

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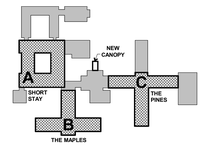


KEY PLAN

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 **ARCHITECT** under the laws of the State of **MINNESOTA**

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

Revisions		
Description	Date	Num

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

North

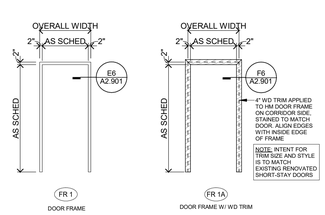
ROOF PLAN

Scale: **As Indicated**

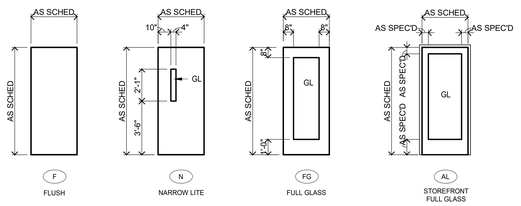
100% CD SET

A2.095

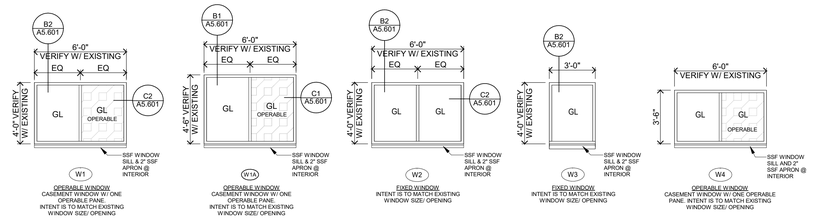
MN



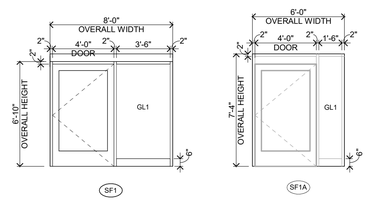
FRAME TYPES



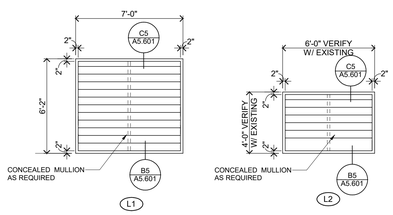
DOOR PANEL TYPES



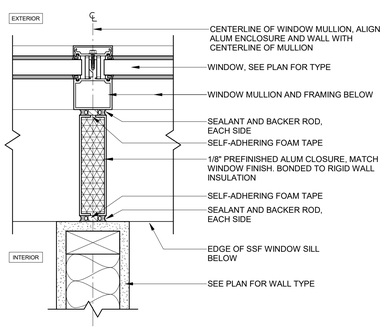
WINDOW TYPES



STOREFRONT TYPES



LOUVER TYPES

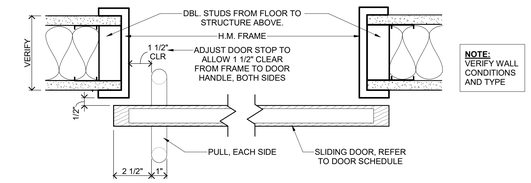


D4 WALL TO MULLION CONNECTION
3" = 1'-0"

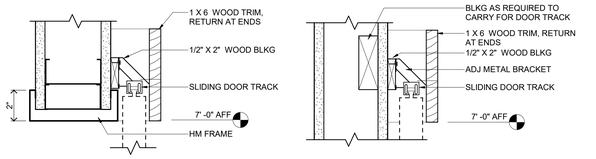
DOOR SCHEDULE GENERAL REMARKS
1. ALL DOORS ARE 1 3/4" THICK UNLESS OTHERWISE NOTED.
2. FOR FRAME DEPTH: A. GYPSUM BOARD PARTITIONS: THROAT OF FRAME TO MATCH WALL THICKNESS.
3. FOR GLASS TYPES, ONLY EXCEPTIONS TO THE FOLLOWING TABLE ARE SCHEDULED: INTERIOR NON RATED: CLEAR (SAFETY WHEN REQUIRED BY TABLE IN GLAZING SPECIFICATION.) INTERIOR AND EXTERIOR RATED: FIRE RATED EXTERIOR NON-RATED: CLEAR INSULATED (SAFETY INSULATED WHEN REQUIRED BY TABLE IN GLAZING SPECIFICATION.)
4. **GL1** = CLEAR GLAZING **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**

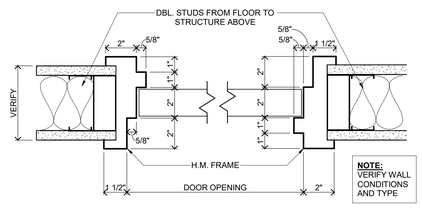
HARDWARE GENERAL REMARKS
1. ALL DOOR HARDWARE TO COMPLY WITH CURRENT ADA CODE REQUIREMENTS.
2. FIELD VERIFY ALL EXISTING DOOR FRAMES TO REMAIN AND EXISTING HARDWARE TO BE REUSED PRIOR TO ORDERING NEW REPLACEMENTS DOORS, FRAMES & HARDWARE.
3. HARDWARE FINISH TO BE FIELD VERIFIED TO MATCH EXISTING BUILDING 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.



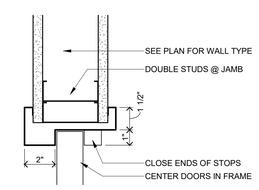
B6 FR2 SLIDING DOOR - JAMB
3" = 1'-0"



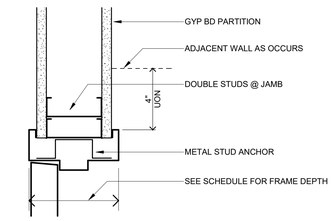
C6 FR2 SLIDING DOOR - HEAD
3" = 1'-0"



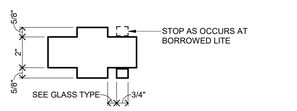
D6 HM DOUBLE EGRESS DOOR - JAMB
3" = 1'-0"



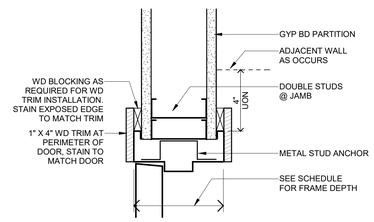
D8 DOUBLE EGRESS HEAD
3" = 1'-0"



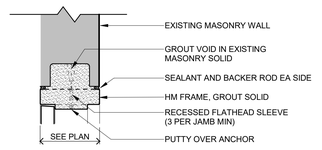
E6 JAMB (HEAD & SILL SIMILAR)
3" = 1'-0"



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

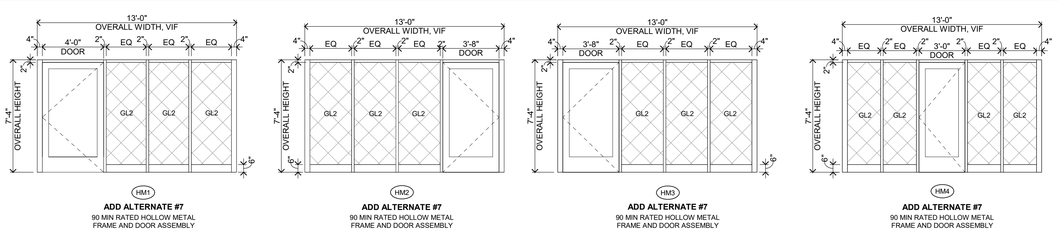


F6 JAMB (HEAD SIMILAR) W/ WOOD TRIM
3" = 1'-0"



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

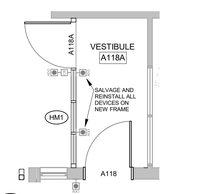
ADD ALTERNATE #7



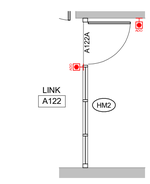
ADD ALTERNATE #7 HM FRAME TYPES

DOOR / OPENING SCHEDULE - ADD ALTERNATE #7

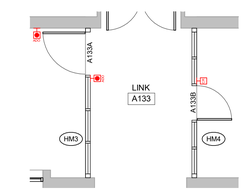
DOOR NO	ROOM	DOOR / OPENING TYPE	QTY	WIDTH	HEIGHT	MATL	LABEL/ RATING	OVERALL WIDTH	FRAME TYPE	FRAME MATL	HDW GRP	REMARKS
A118A	VESTIBULE	FG	1	4'-0"	7'-2"	HM	1 HR RATED ASSEMBLY	4'-4"	HM 1	HM	02	ADD ALTERNATE #7, ADJACENT TO 2-HR FIRE BARRIER
A122A	LINK	FG	1	3'-8"	7'-2"	HM	1 HR RATED ASSEMBLY	4'-0"	HM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

Autodesk Docs://246040 - Wilson Care Center Renovation/MEP/M_Wilson Care Center_MechREVIT.rvt
Central - https://vault.wold3d.com/Autodesk Docs/246040 - Nursing Home Renovations Statewide/Central_MEP/Architecture
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8/29/2025 2:56:46 PM

A

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Nelson Care Center Renovation

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246040

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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

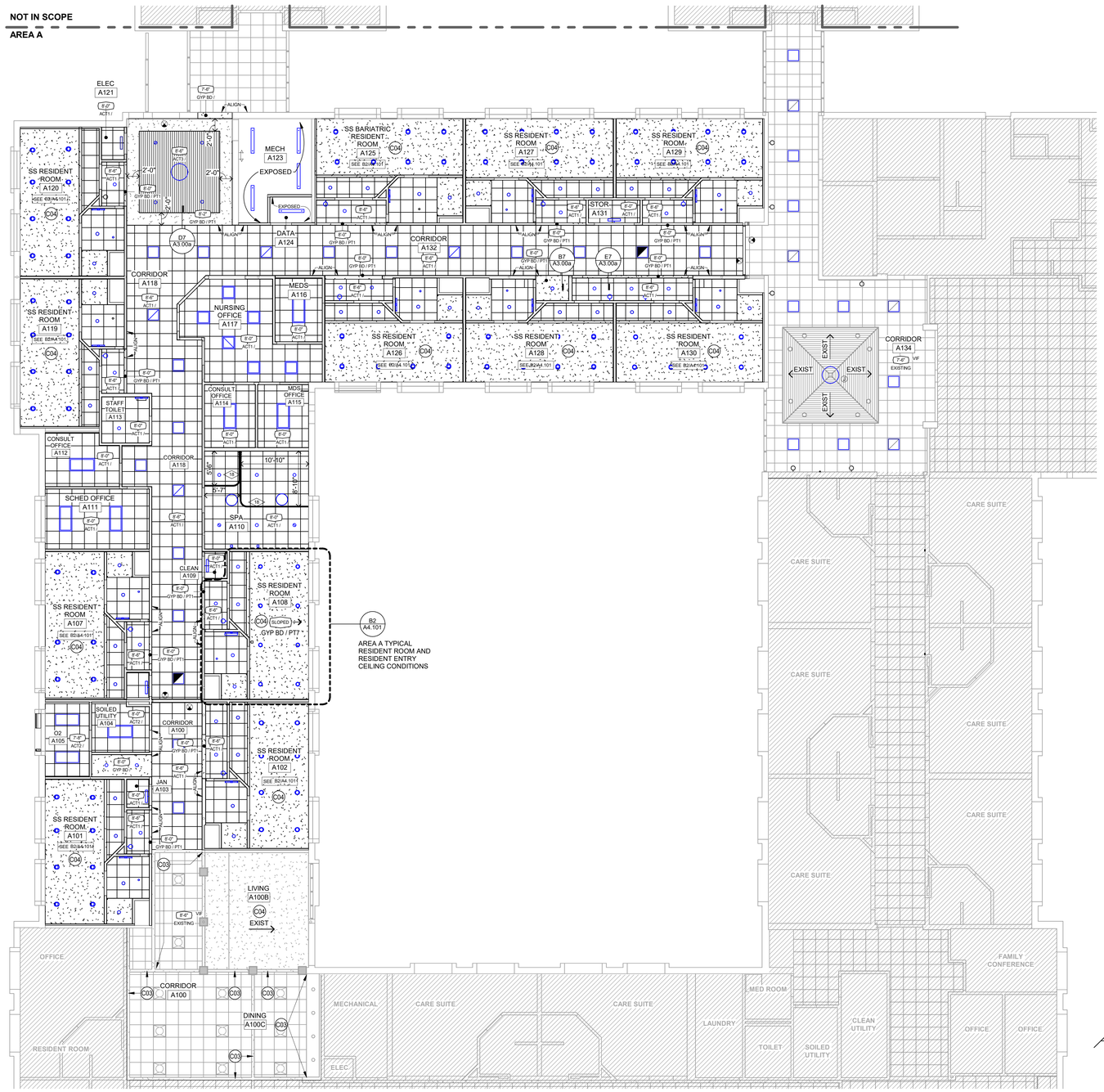
Comm: **246040**
Date: **08/29/2025**
Drawn: **JDV/ CN**
Check: **EN**

DOOR/ FRAME/ WINDOW TYPES & DETAILS

Scale: **As indicated**

A2.901

MN



F1 MAIN LEVEL REFLECTED CEILING PLAN AREA A
1/8" = 1'-0"

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.

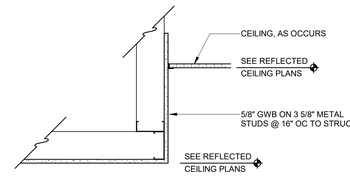
RCP LEGEND

SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES AND LOCATIONS.

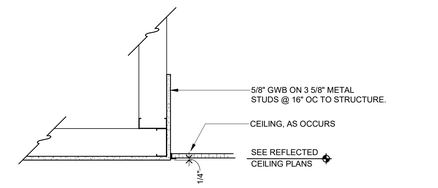
REFLECTED CEILING PLAN GENERAL NOTES

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.

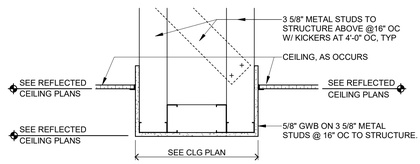
NOT IN SCOPE OF WORK



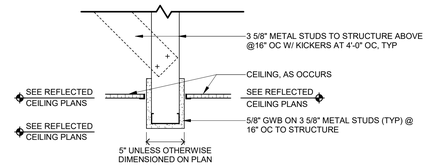
B7 GYPSUM BOARD SOFFIT TO ACT
1 1/2" = 1'-0"



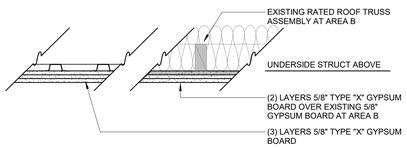
C7 GYPSUM BOARD SOFFIT TO ACT - FLUSH
1 1/2" = 1'-0"



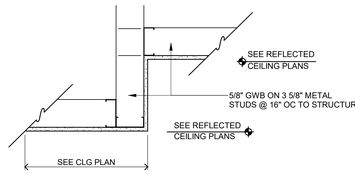
D7 GYPSUM BOARD SOFFIT TO ACT BOTH SIDES
1 1/2" = 1'-0"



E7 GYPSUM BOARD BULKHEAD
1 1/2" = 1'-0"



F5 1 HOUR RATED GYPSUM BOARD CEILING ENCLOSURE
1 1/2" = 1'-0"



F7 GYPSUM BOARD SOFFIT TO GYPSUM BOARD SOFFIT
1 1/2" = 1'-0"

100% CD SET

Nelson Care Center Renovation

420 12th Ave E,
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246040

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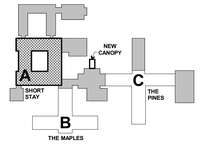


KEY PLAN

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 **ARCHITECT** under the laws of the State of **MINNESOTA**

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

Revisions		
Description	Date	Num

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

North

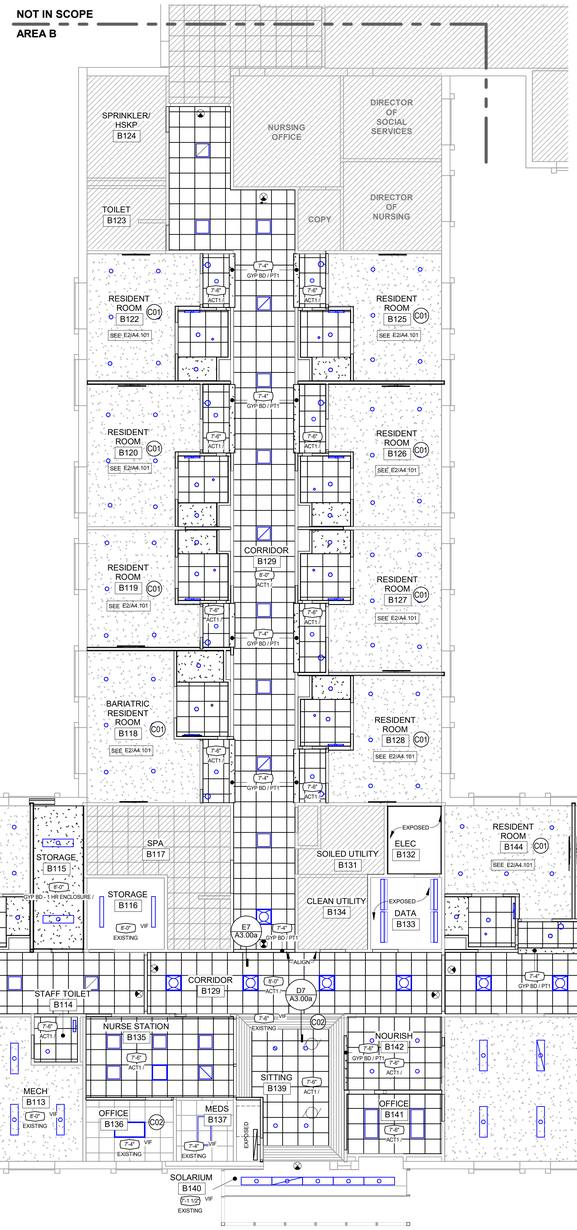
FIRST FLOOR REFLECTED CEILING PLAN - AREA A

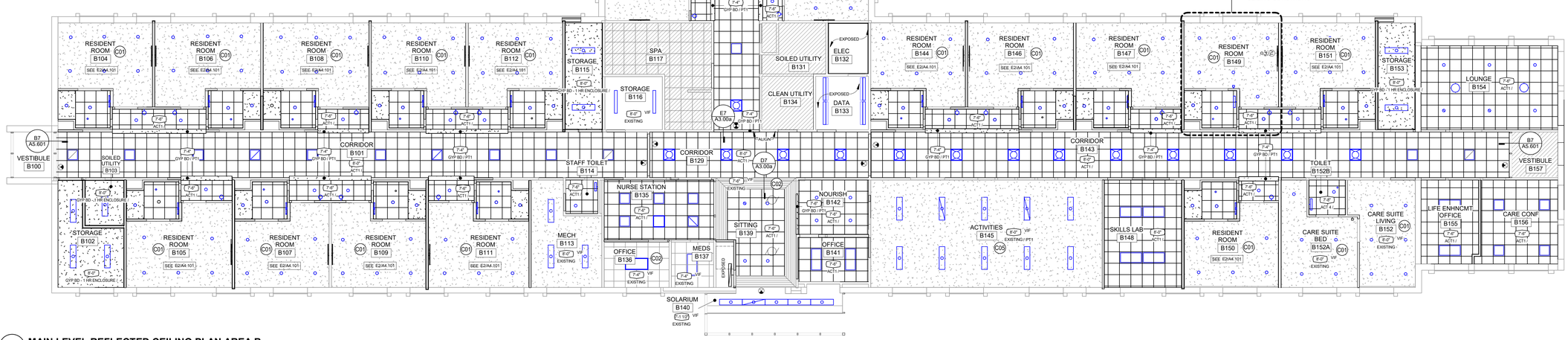
Scale: **As Indicated**

A3.00a

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center Renovation_CN.rvt
Central: https://vivieinc.sharepoint.com/sites/VIVIE-Temp/Vivie Admin/Revit Extensions/B_JADA/Workshare Backups/246040 - Nelson Care Center Renovation_CN_backup_20250829 2325.7.rvg

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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7. REFER TO ROOM FINISH SCHEDULE FOR THE GRID SYSTEM. REFLECTED CEILING PLANS SHOW TILE PATTERNS
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12. CENTER EXHAUST GRILLE OVER TOILET BOWL IN TOILET ROOMS WITH GYPSUM BOARD CEILINGS UNLESS OTHERWISE NOTED
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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

RCP KEY NOTES:

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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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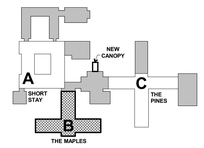

KEY PLAN

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

North

FIRST FLOOR REFLECTED CEILING PLAN - AREA B

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

100% CD SET

A3.00b

A

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center Rev2025.rvt
Central: https://vivieprod.autodesk.com/a360/projects/b.project.b2ab3e1d-2b2b-4ea1-a1ed-1e1e1e1e1e1e/hubs/b.hub.b2ab3e1d-2b2b-4ea1-a1ed-1e1e1e1e1e1e
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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.

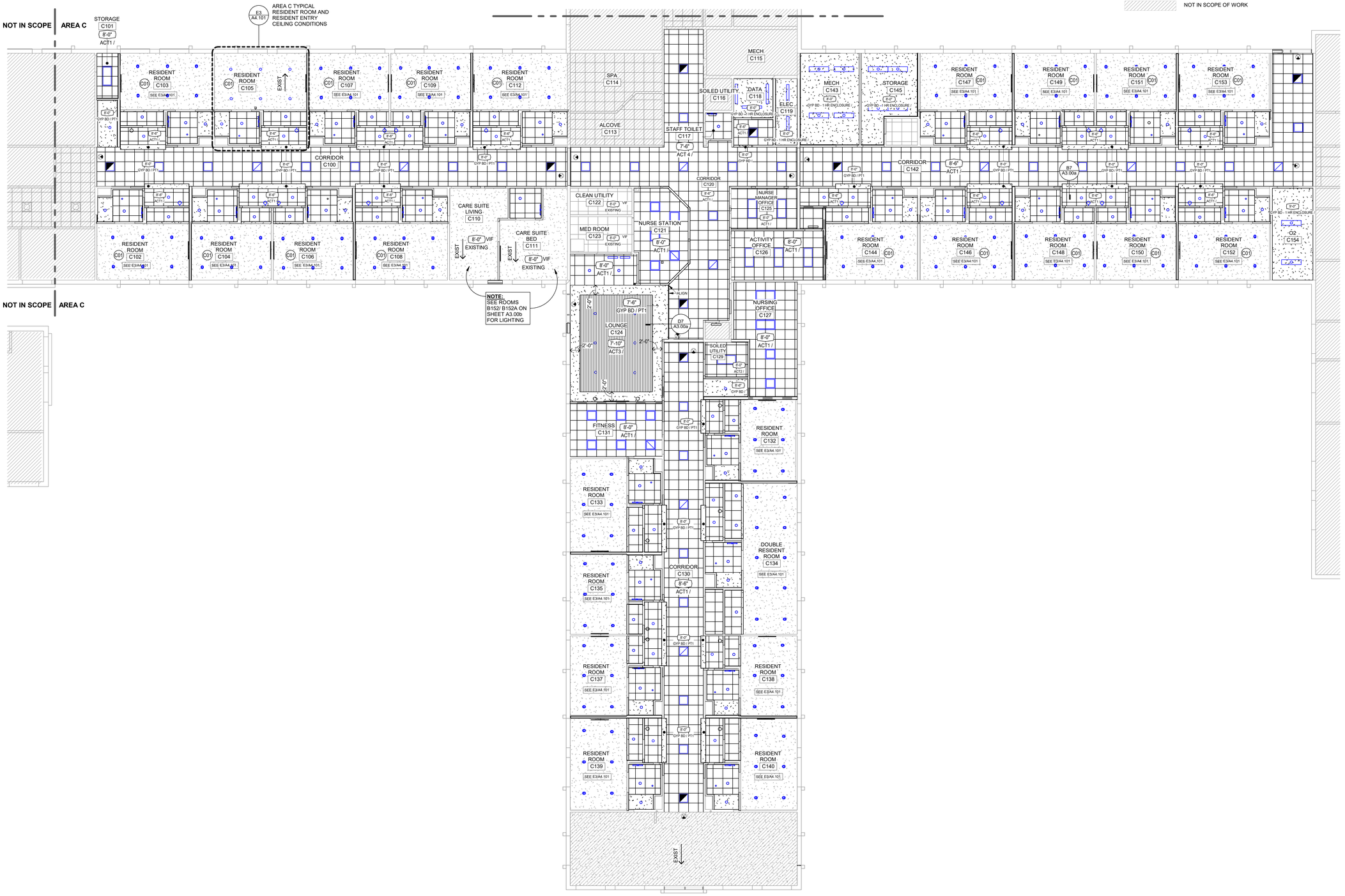
RCP LEGEND

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 AREAS 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 CEILINGS, 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 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

Nelson Care Center Renovation

420 12th Ave E,
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246040

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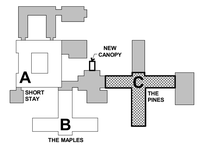

KEY PLAN

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 ARCHITECT under the laws of the State of MINNESOTA

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

Revisions		
Description	Date	Num

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

FIRST FLOOR REFLECTED CEILING PLAN - AREA C

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

A3.00c

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Central: https://vividbuilds.s3.us-east-2.amazonaws.com/Revit_Temporary/Vivie Architecture/Vivie Architecture Revit Central Model_20250829_0700.rvt
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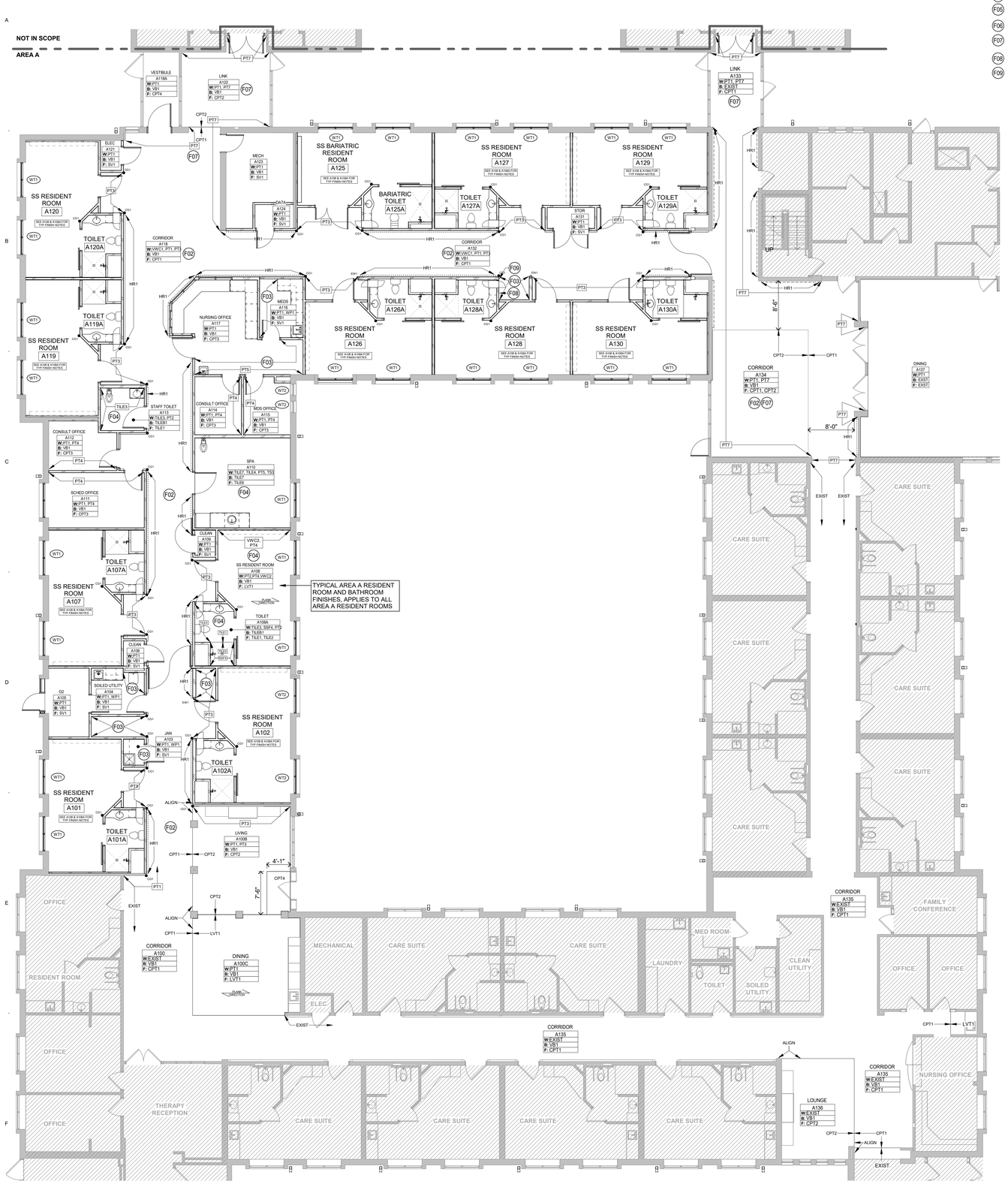

X-62 FIRST FLOOR FINISH PLAN - AREA A
1/8" = 1'-0"
0 6' 12'

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 810P		WINDOW SILL
	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 GRAIN 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

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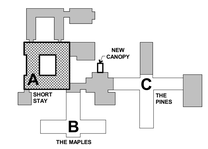

KEY PLAN

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 **ARCHITECT** under the laws of the State of **MINNESOTA**

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

Revisions		
Description	Date	Num

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

North

FIRST FLOOR FINISH PLAN - AREA A & MATERIAL ID

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

A4.00a

Architect Docs (2026).rvt Nelson Care Center Renovation(2026).rvt Nelson Care Center - Area A.rvt
Central - Audio Visual/Data/Tel/Life Safety/Nurse Call/Paging/Security/Wireless Interconnectivity - ADs/Interference
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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.
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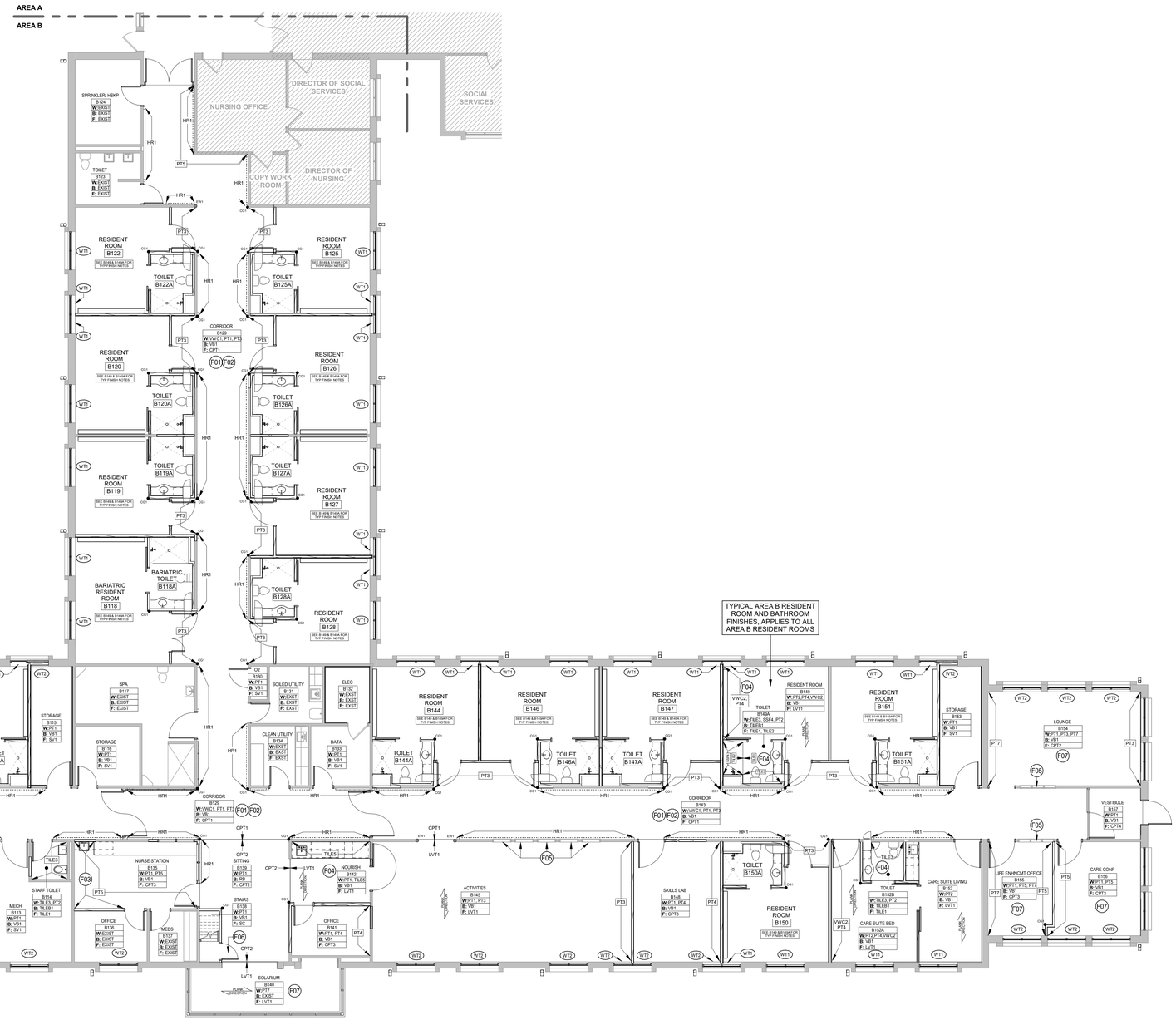
- F06 PAINT DOOR AND FRAME SAME COLOR AS ADJACENT WALL FINISH.
- F07 PAINT PT7 TO EXISTING BRICK SURFACES ONLY. FIELD VERIFY LOCATION AND EXTENT OF EXISTING BRICK PRIOR TO APPLICATION.
- F08 PROVIDE WALL GUARD, WG1, HORIZONTALLY AT 1'-0" AFF.
- F09 PROVIDE WALL GUARD, WG1, VERTICALLY ABOVE BASE TO UNDERSIDE 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.



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

100% CD SET

Nelson Care Center Renovation

420 12th Ave E,
Alexandria, MN 56308

246040

Vivie
2209 Jefferson St. Suite 201
Alexandria, MN 56308

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50 South 6th Street, Suite 2250
Minneapolis, Minnesota 55402
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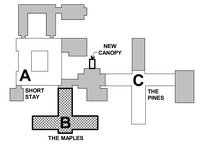

KEY PLAN

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 **ARCHITECT** under the laws of the State of **MINNESOTA**

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

Revisions		
Description	Date	Num

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
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MN

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.
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16. WALLS IN AREA B AND C TO RECEIVE ORANGE PEEL PAINT FINISH.

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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.

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

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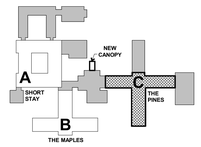

KEY PLAN

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

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

FIRST FLOOR FINISH PLAN - AREA C

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

A4.00c

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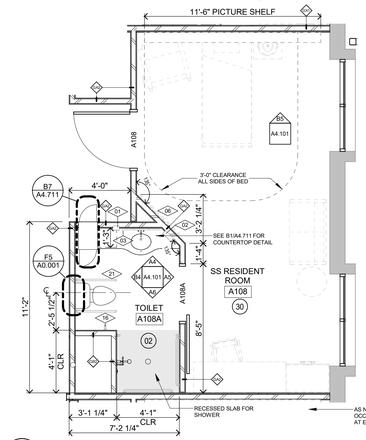
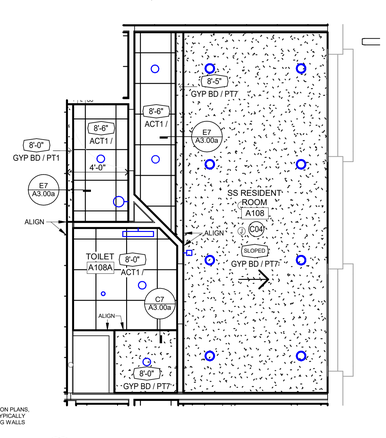


B1 ENLARGED PLAN - TYPICAL AREA A RESIDENT ROOM
1/4" = 1'-0"



B2 ENLARGED RCP - SHORT STAY ROOM
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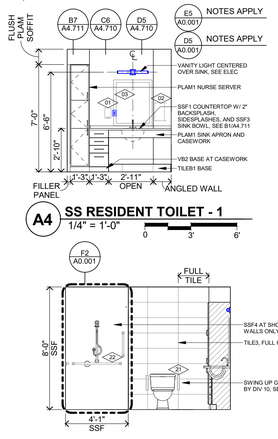
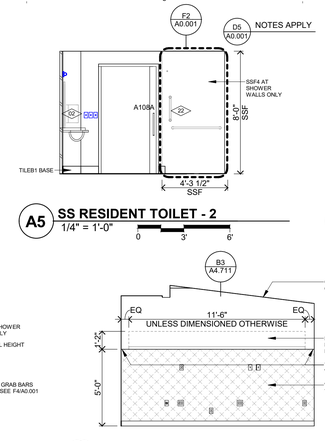
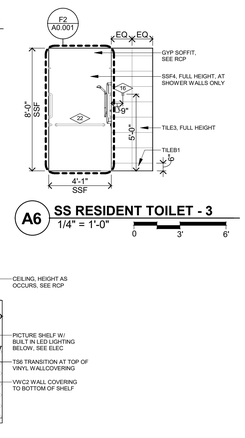


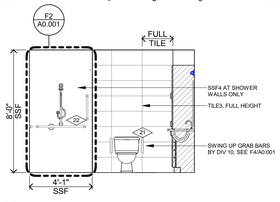
A4 SS RESIDENT TOILET - 1
1/4" = 1'-0"



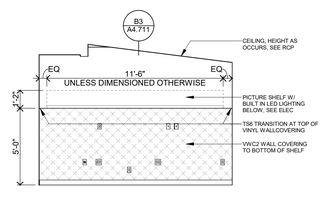
A5 SS RESIDENT TOILET - 2
1/4" = 1'-0"



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

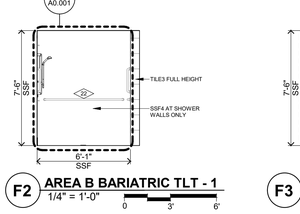


B4 SS RESIDENT TOILET - 4
1/4" = 1'-0"

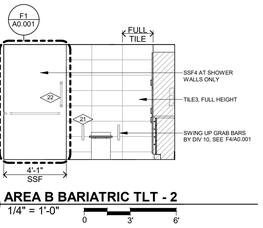


B5 TYPICAL RESIDENT ROOM HEADWALL
1/4" = 1'-0"

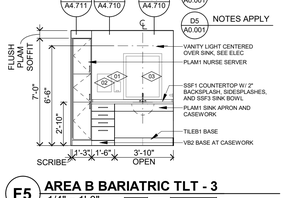
C1 ENLARGED PLAN - AREA A BARIATRIC RESIDENT ROOM
1/4" = 1'-0"



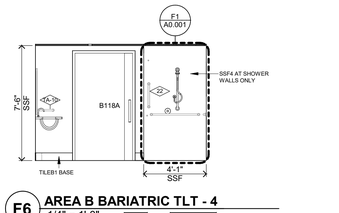
C2 AREA A BARIATRIC TLT - 1
1/4" = 1'-0"



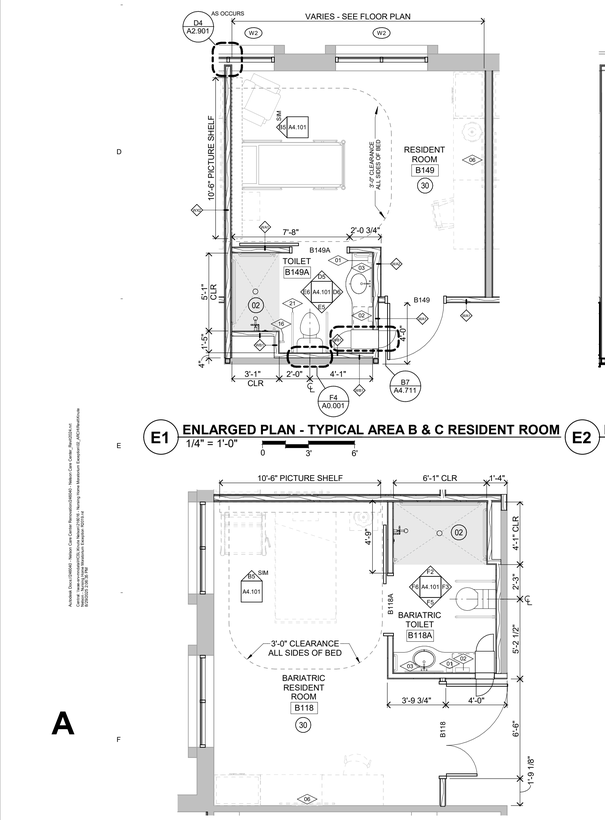
C4 AREA A BARIATRIC TLT - 2
1/4" = 1'-0"



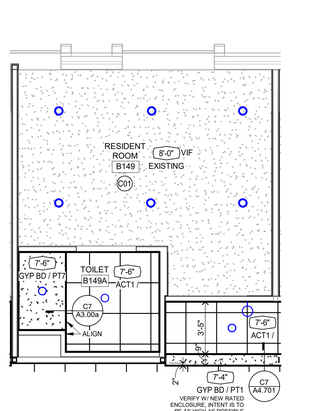
C5 AREA A BARIATRIC TLT - 3
1/4" = 1'-0"



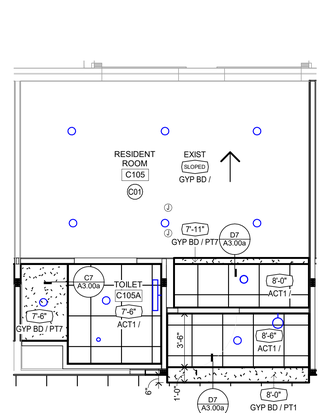
C6 AREA A BARIATRIC TLT - 4
1/4" = 1'-0"



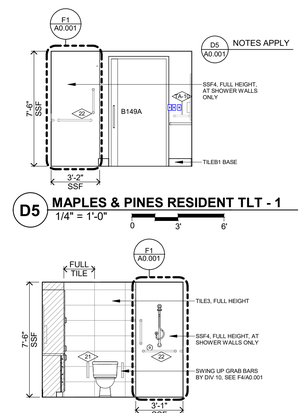
E1 ENLARGED PLAN - TYPICAL AREA B & C RESIDENT ROOM
1/4" = 1'-0"



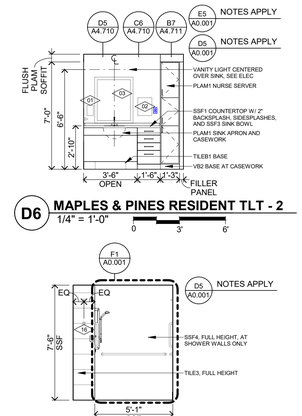
E2 ENLARGED RCP - AREA B RESIDENT ROOM
1/4" = 1'-0"



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



D5 MAPLES & PINES RESIDENT TLT - 1
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 (sheet)

100% CD SET

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

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
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
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
TA-10	TOWEL BAR	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED

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Check: EN

North

ENLARGED PLANS & INTERIOR ELEVATIONS

Scale: As Indicated

A4.101

Architect Docs/246040 - Nelson Care Center Renovation/246040 - Nelson Care Center - Revit/246040 Central Cache - Nelson Care Center - Revit_CN.rvt
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ACCESSORY/EQUIPMENT SCHEDULE		
Type Mark	Description	Provided By
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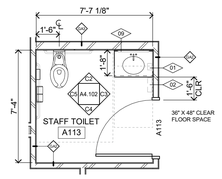
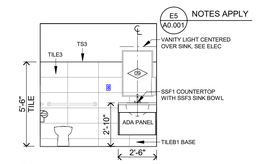
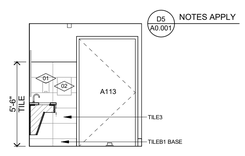
02	WALL MOUNTED PAPER TOWEL DISPENSER, COORD LOCATION W/ OWNER	OWNER SUPPLIED, CONTRACTOR INSTALLED
03	DECORATIVE WOOD MIRROR, BASIS OF DESIGN: 34" X 34" SIGNATURE HARDWARE BURFIELD BAMBOO	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
04	MICROWAVE	OWNER SUPPLIED & INSTALLED
05	UNDER COUNTER FRIDGE	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
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
TA-10	TOWEL BAR	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED



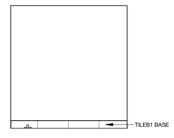
C1 ENLARGED PLAN - STAFF TOILET A113
1/4" = 1'-0"



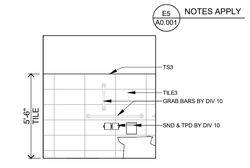
C2 STAFF TOILET A113 - 1
1/4" = 1'-0"



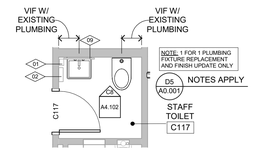
C3 STAFF TOILET A113 - 2
1/4" = 1'-0"



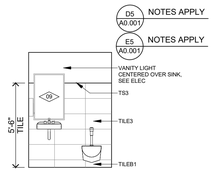
C4 STAFF TOILET A113 - 3
1/4" = 1'-0"



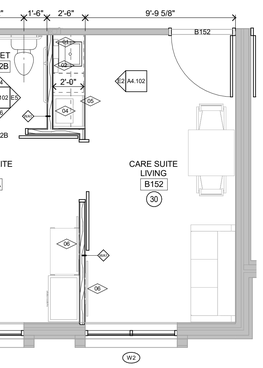
C5 STAFF TOILET A113 - 4
1/4" = 1'-0"



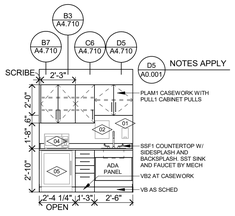
C6 ENLARGED PLAN - STAFF TOILET C143
1/4" = 1'-0"



C8 STAFF TOILET C143 - 1
1/4" = 1'-0"



E1 TYPICAL CARE SUITE
1/4" = 1'-0"



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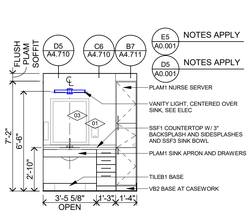
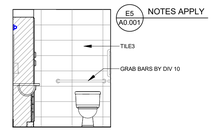
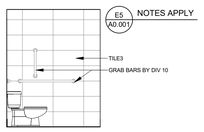
1/4" = 1'-0"



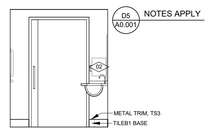
E3 TYPICAL CARE SUITE TOILET - 1
1/4" = 1'-0"



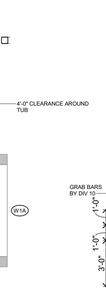
E4 TYPICAL CARE SUITE TOILET - 2
1/4" = 1'-0"



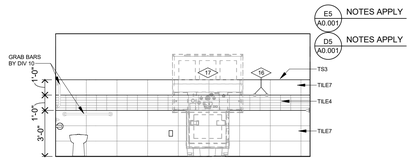
E5 TYPICAL CARE SUITE TOILET - 3
1/4" = 1'-0"



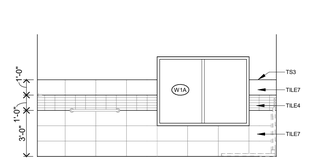
E6 TYPICAL CARE SUITE TOILET - 4
1/4" = 1'-0"



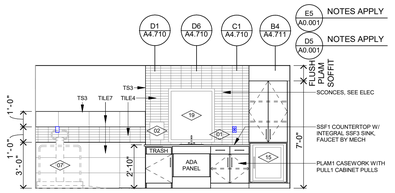
F1 ENLARGED PLAN - SHORT STAY SPA
1/4" = 1'-0"



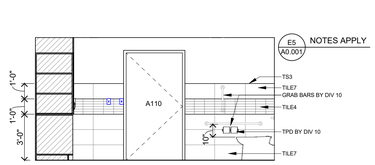
F2 SHORT STAY SPA 1
1/4" = 1'-0"



F4 SHORT STAY SPA 2
1/4" = 1'-0"



F5 SHORT STAY SPA 3
1/4" = 1'-0"



F7 SHORT DAY SPA 4
1/4" = 1'-0"

100% CD SET

Nelson Care Center Renovation

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246040

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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

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

North

ENLARGED PLANS & INTERIOR ELEVATIONS

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

A4.102

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_Rev2025.rvt
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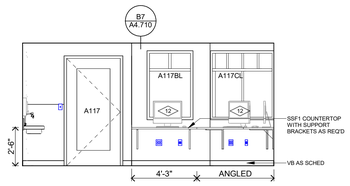
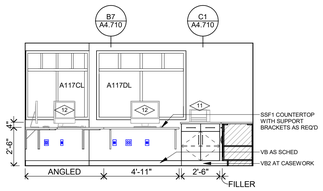
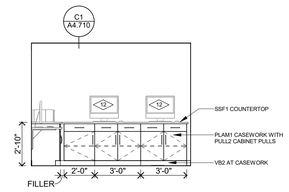
MN



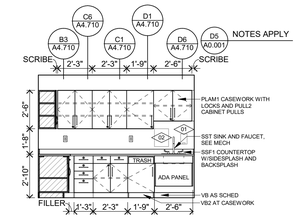
C1 AREA A - NURSING OFFICE - 1
1/4" = 1'-0"



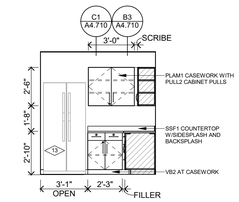
C2 AREA A - NURSING OFFICE - 2
1/4" = 1'-0"



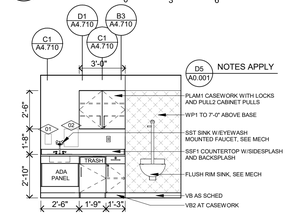
C3 AREA A - NURSING OFFICE - 3
1/4" = 1'-0"



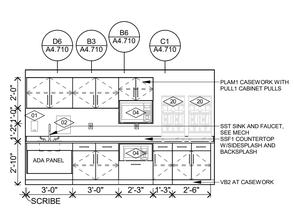
C5 AREA A - MED ROOM - 1
1/4" = 1'-0"



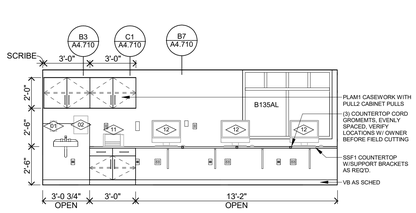
C6 AREA A - MED ROOM - 2
1/4" = 1'-0"



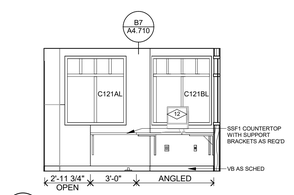
D1 AREA A - SOILED UTILITY
1/4" = 1'-0"



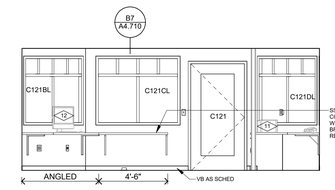
D2 AREA B - NOURISH
1/4" = 1'-0"



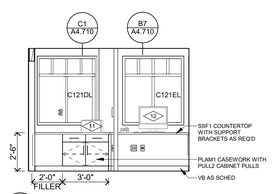
D3a AREA B - NURSE STATION
1/4" = 1'-0"



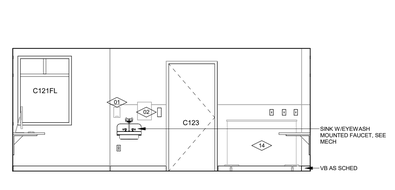
D3 AREA C - NURSE STATION - 1
1/4" = 1'-0"



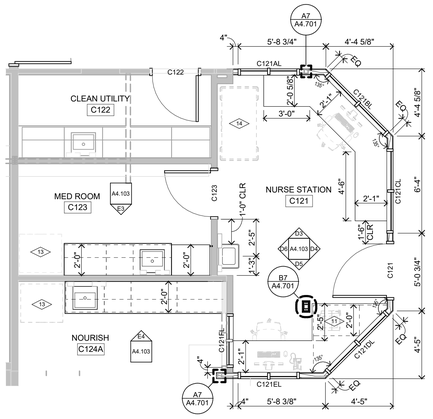
D4 AREA C - NURSE STATION - 2
1/4" = 1'-0"



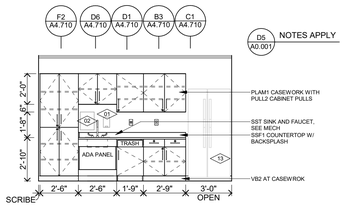
D5 AREA C - NURSE STATION - 3
1/4" = 1'-0"



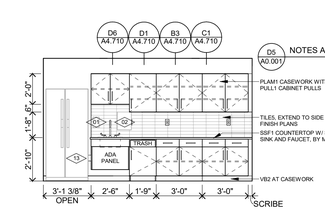
D6 AREA C - NURSE STATION - 4
1/4" = 1'-0"



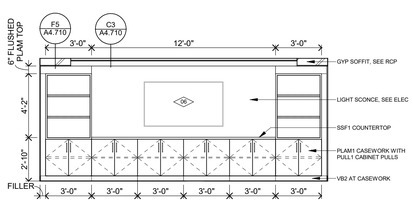
E1 ENLARGED PLAN - AREA C - NURSE STATION
1/4" = 1'-0"



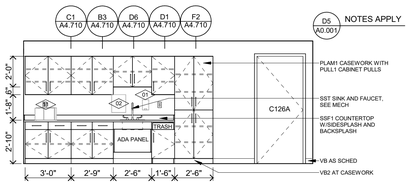
E3 AREA C - MED ROOM - 1
1/4" = 1'-0"



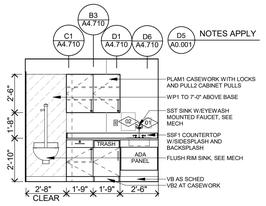
E4 AREA C - NOURISH
1/4" = 1'-0"



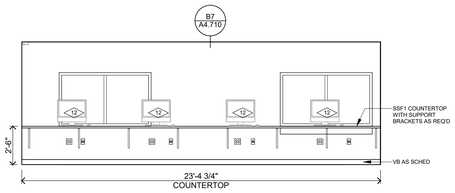
E5 AREA C - LOUNGE
1/4" = 1'-0"



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"

Nelson Care Center Renovation

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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

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

North

ENLARGED PLANS & INTERIOR ELEVATIONS

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

100% CD SET

A4.103

A

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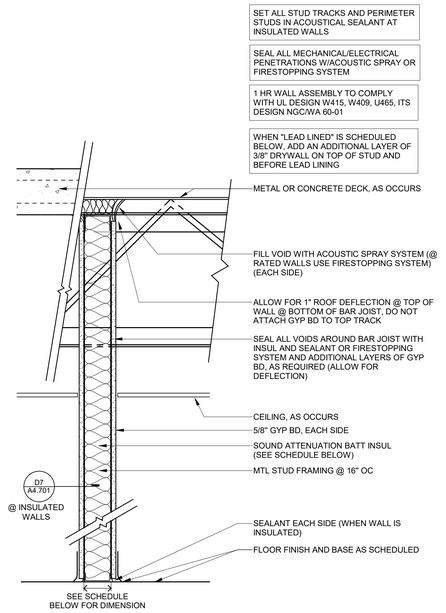
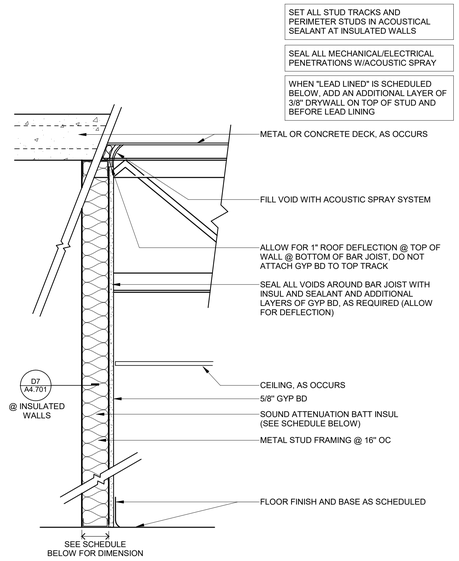
MN



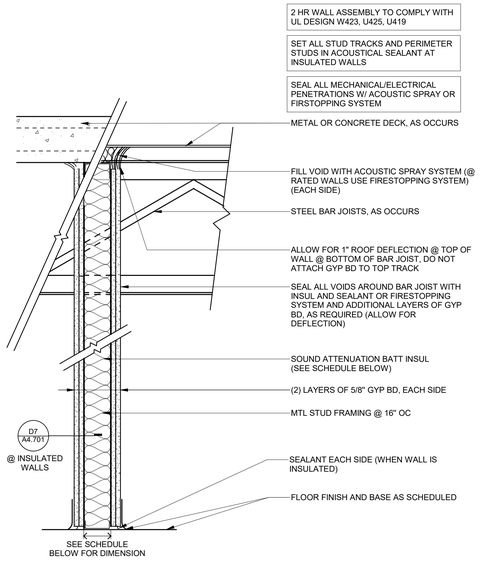
WALL TYPE GA

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

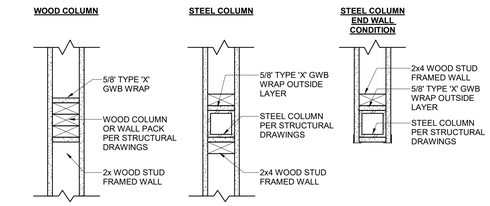
TYPE	STUD SIZE	INSULATION	MIN STC	NOTES
GB1	2 1/2"	NONE		
GB2	3 5/8"	NONE		



WALL TYPE GX

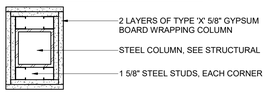
TYPE	STUD SIZE	INSULATION	MIN STC	NOTES
GX1	3 5/8"	SOUND BATT	48	2 LAYERS 5/8" GYP RESIDENT ROOM SIDE ONLY
GX2	3 5/8"	SOUND BATT	50	2 LAYERS 5/8" GYP BOTH SIDES

METAL STUD WALL TYPES

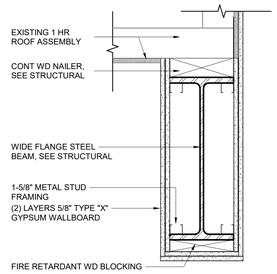


A7 **1 HOUR RATED STRUCTURAL COLUMN ENCLOSURE IN WALL**
1 1/2" = 1'-0"

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"

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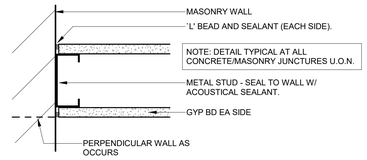
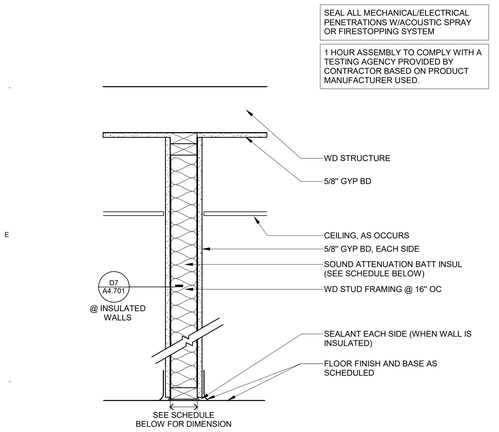
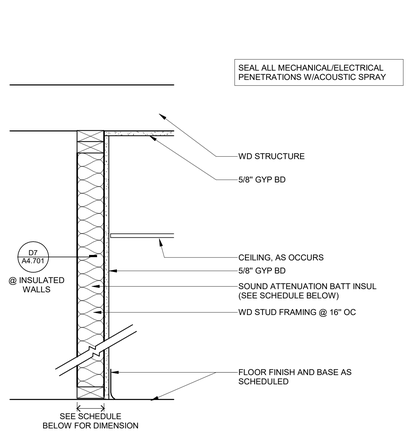


D7 **GYP. BD. WALL JUNCTION**
3" = 1'-0"



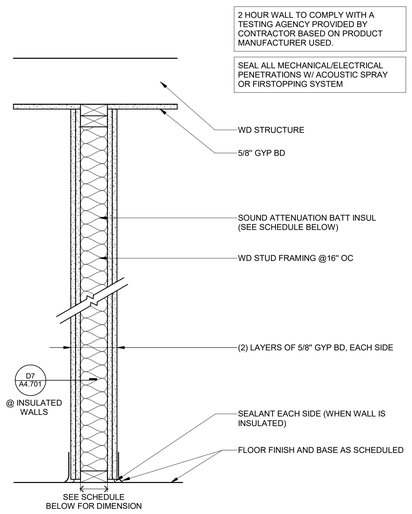
WALL TYPE WA

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



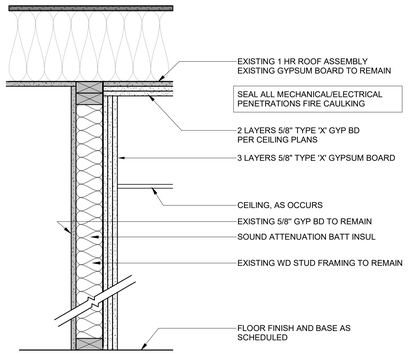
WALL TYPE WB

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



WALL TYPE WX

TYPE	STUD SIZE	INSULATION	MIN STC	NOTES
WX1	3 1/2"	SOUND BATT	48	2 LAYERS 5/8" GYP RESIDENT ROOM SIDE ONLY
WX2	3 1/2"	SOUND BATT	50	2 LAYERS 5/8" GYP BOTH SIDES
WX3	3 1/2"	SOUND BATT	50	2 LAYERS 5/8" GYP BOTH SIDES



WALL TYPE WZ

WOOD STUD WALL TYPES

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

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

DETAILS - INTERIOR WALL TYPES

Scale: As indicated

100% CD SET

A4.701

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_Rev2025.rvt
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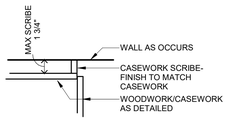
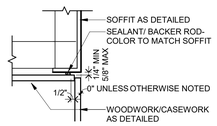
MN



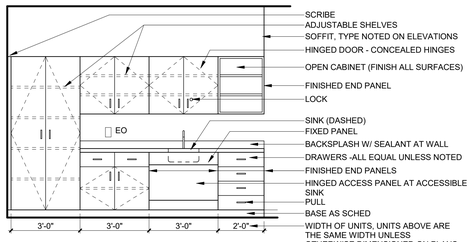
A1 PLAN AT CASEWORK
1 1/2" = 1'-0"



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

CASEWORK/ MILLWORK GENERAL NOTES:

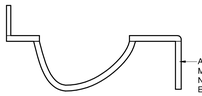
1. THIS IS AN INFORMATION SHEET AND IS INTENDED ONLY TO IDENTIFY THE COMPONENTS OF CABINETWORK ON SUBSEQUENT DRAWINGS.
2. WHERE A 90 DEGREE CORNER OCCURS, EXTEND BASE AND OR WALL CABINET (AND ADJUSTABLE SHELVES AS THEY OCCUR) INTO BLIND CORNER.
3. ELECTRICAL OUTLETS (EO) ARE SHOWN AS THEY RELATE TO MILLWORK. 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.



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

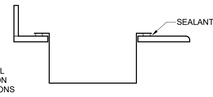
NOTE: SEE INTERIOR ELEVATIONS & MECH FOR TYPE

INTEGRAL SINK



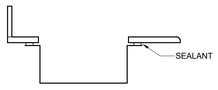
SOLID SURFACE COUNTERTOP, UNDERMOUNTED SOLID SURFACE SINK

SURFACE MOUNTED SINK



SOLID SURFACE COUNTERTOP, COUNTERTOP STAINLESS STEEL SINK

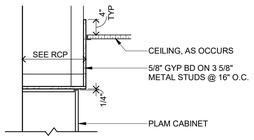
UNDERMOUNTED SINK



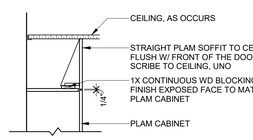
SOLID SURFACE COUNTERTOP, UNDERMOUNTED STAINLESS STEEL SINK

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

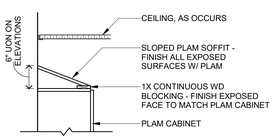
GYPSUM BOARD SOFFIT



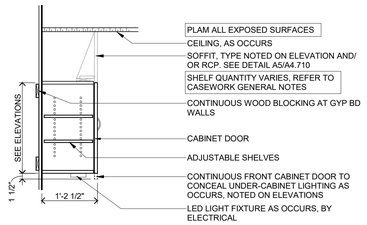
FLUSH PLAM SOFFIT



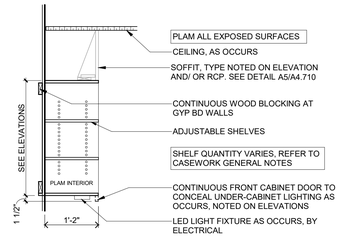
SLOPED PLAM SOFFIT



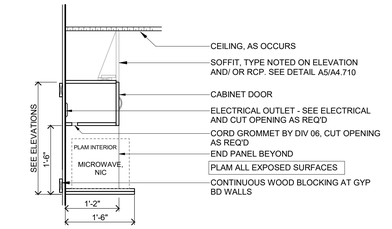
A5 INT DTL - SOFFIT CONDITIONS
3/4" = 1'-0"



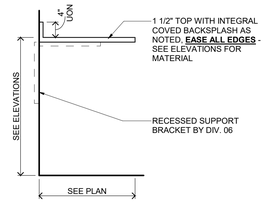
B3 SECTION AT UPPER CABINET
3/4" = 1'-0"



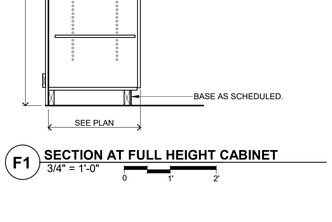
B4 SECTION AT UPPER CAB, OPEN
3/4" = 1'-0"



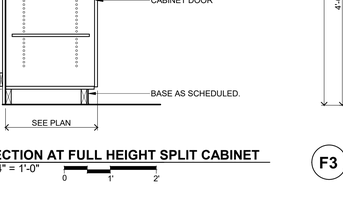
B6 SECTION AT UPPER CABINET MICROWAVE
3/4" = 1'-0"



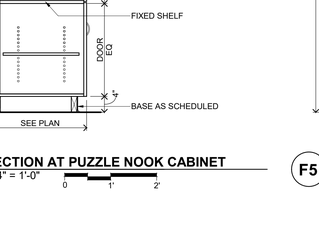
B7 SECTION AT OPEN COUNTERTOP
3/4" = 1'-0"



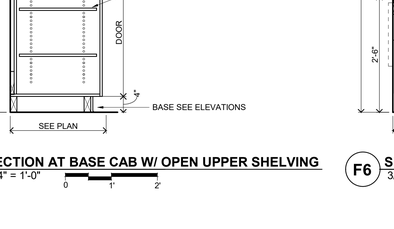
C1 SECTION AT BASE CABINET
3/4" = 1'-0"



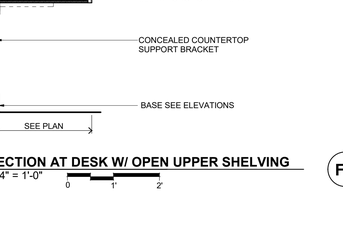
C2 SECTION AT SINK BASE CABINET
3/4" = 1'-0"



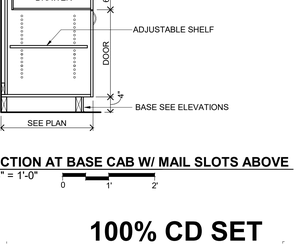
C3 SECTION AT BASE CABINET W/ NO DRAWER
3/4" = 1'-0"



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
Central: https://acccloud.autodesk.com/projects/2238/dc_hosting/data/ViewerState.json?id=urn:adsk.wipprod:dm.lineage:ZJ0CNAtwRmeKqe-Ra1Ng7w
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A

Nelson Care Center Renovation

420 12th Ave E,
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246040

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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

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

North

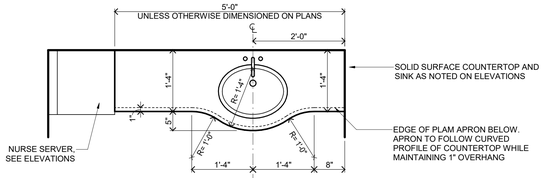
DETAILS - INTERIOR

Scale: **As indicated**

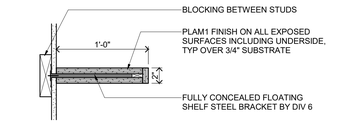
100% CD SET

A4.710

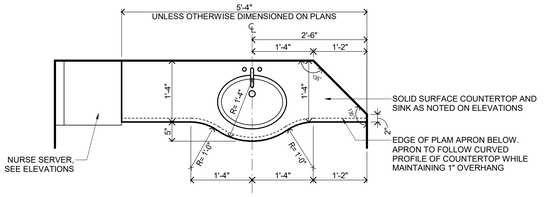
MN



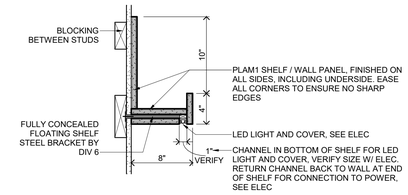
A1 PLAN AT TYPICAL RESIDENT VANITY COUNTERTOP
3/4" = 1'-0"



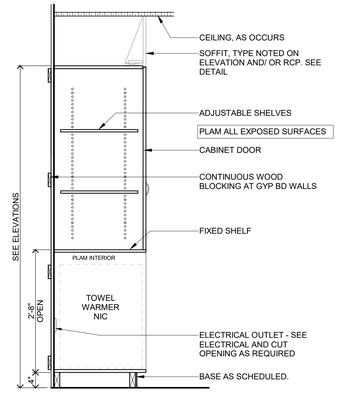
A3 SECTION AT FLOATING SHELF
1 1/2" = 1'-0"



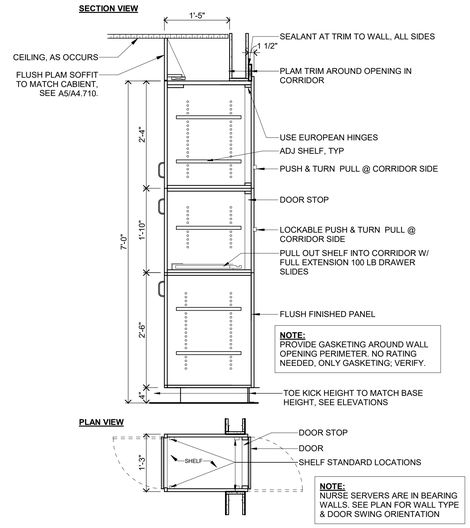
B1 PLAN AT AREA A RESIDENT VANITY COUNTERTOP
3/4" = 1'-0"



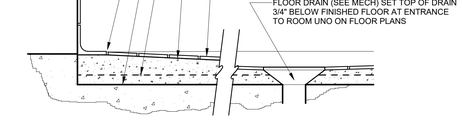
B3 SECTION AT RESIDENT ROOM PICTURE SHELF
1 1/2" = 1'-0"



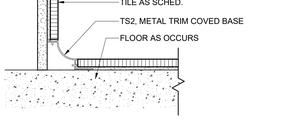
B4 SECTION AT FULL HEIGHT TOWEL WARMER CABINET
3/4" = 1'-0"



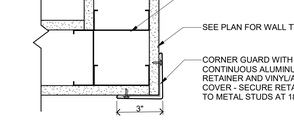
B7 INT DTL - CASEWORK - NURSE SERVER
3/4" = 1'-0"



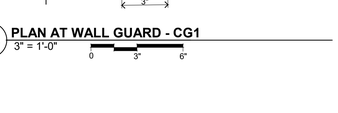
D1 TYP TOILET ROOM SECTION
3" = 1'-0"



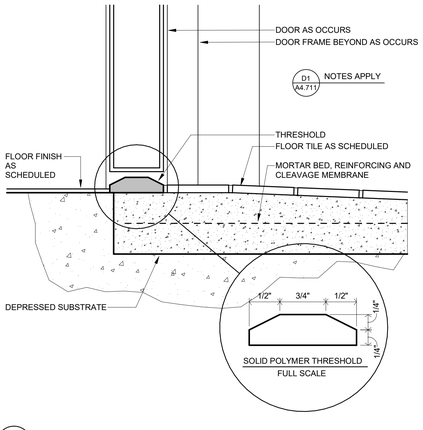
D2 INT DTL - SCHLUTER EDGE DETAILS
3" = 1'-0"



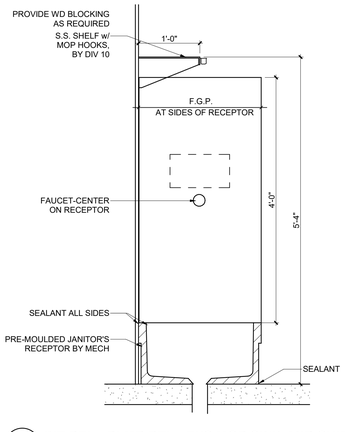
C4 PLAN AT WALL GUARD - EW1
3" = 1'-0"



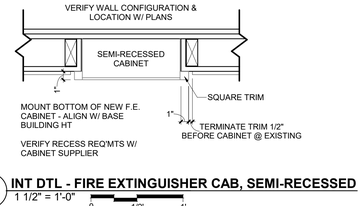
D4 PLAN AT WALL GUARD - CG1
3" = 1'-0"



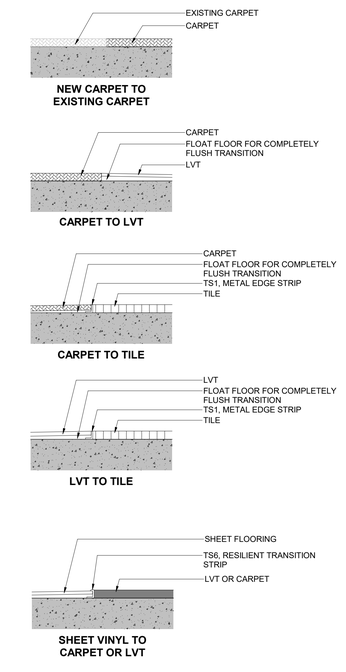
F1 TYP TOILET ROOM THRESHOLD
6" = 1'-0"



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



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



F7 FLOORING TRANSITIONS
6" = 1'-0"

A

Autodesk Docs://[illegible] - Nelson Care Center Renovation.rvt Model Date: Mon, 8/25/2025 2:07:32 PM

Nelson Care Center Renovation

420 12th Ave E,
Alexandria, MN 56308

246040

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WOLD ARCHITECTS AND ENGINEERS
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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

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North

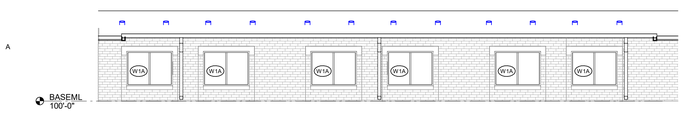
DETAILS - INTERIOR

Scale: **As Indicated**

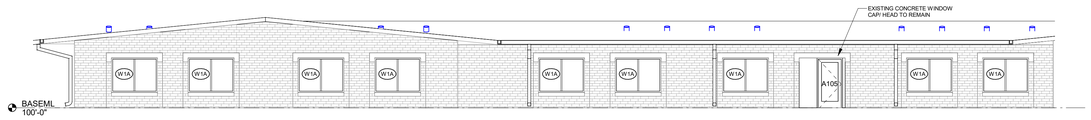
100% CD SET

A4.711

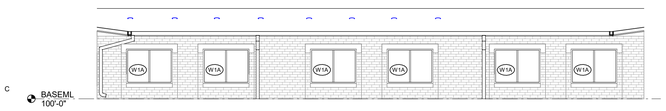
MN



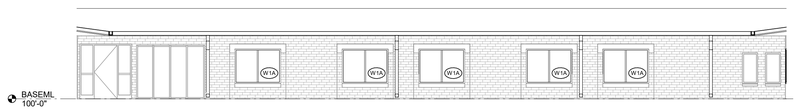
A1 AREA A - EXTERIOR ELEVATION - SOUTH
1/8" = 1'-0" 0 6' 12'



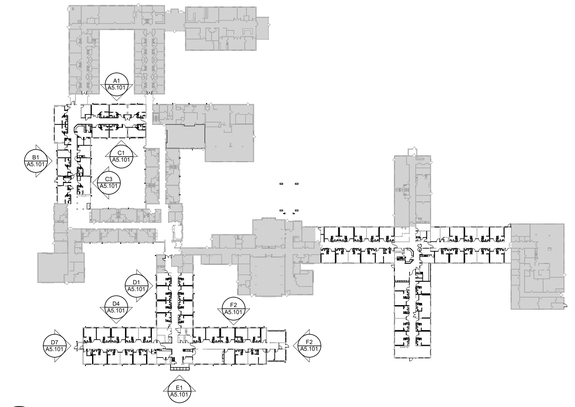
B1 AREA A - EXTERIOR ELEVATION - EAST
1/8" = 1'-0" 0 6' 12'



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

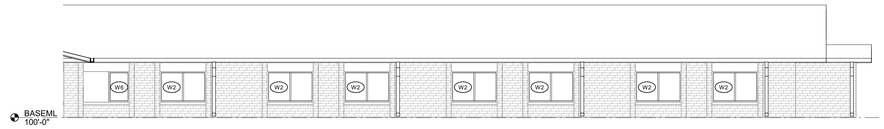


C3 AREA A - COURTYARD ELEVATION - WEST
1/8" = 1'-0" 0 6' 12'



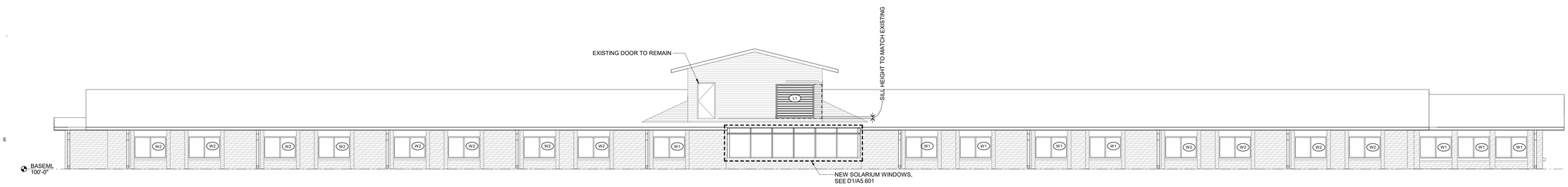
B6 EXTERIOR ELEVATIONS KEY
1" = 80'-0" 0 60' 120'

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

Nelson Care Center Renovation

420 12th Ave E,
Alexandria, MN 56308

246040

Vivie
2209 Jefferson St. Suite 201
Alexandria, MN 56308

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50 South 6th Street, Suite 2250
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

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

EXTERIOR ELEVATIONS

Scale: **As indicated**

100% CD SET

A5.101

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_Revit2024.rvt
Central: https://accdocs.autodesk.com/projects/2238/dm_fedramp/items/urn:adsk.wipprod:dm.lineage:ZJ0_jKAOSeKwPmbwwwwwww
Local: C:\Users\CNguyen\Documents\246040_Nelson Care Center_Revit2024_CNguyen.rvt
8/29/2025 2:07:52 PM

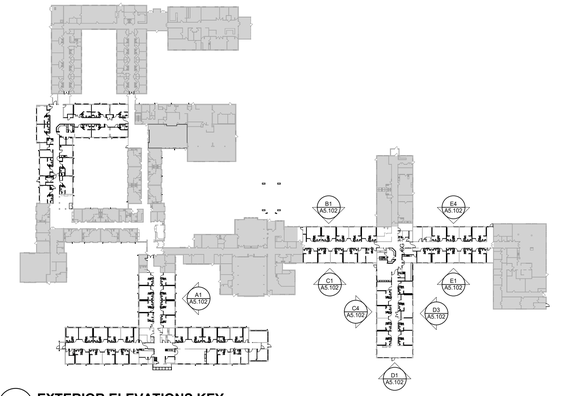
MN

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

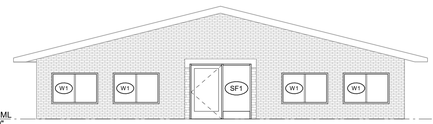
B1 AREA C - EXTERIOR ELEVATION - SOUTH
1/8" = 1'-0"
0 6' 12'

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'

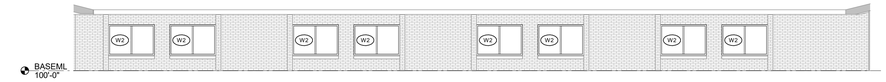


B6 EXTERIOR ELEVATIONS KEY
1" = 80'-0"
0 60' 120'

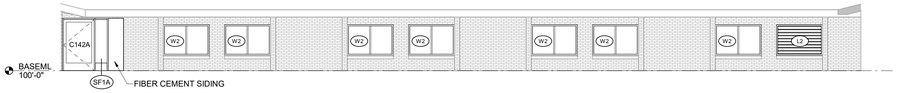


D1 AREA C - EXTERIOR ELEVATION - NORTH
1/8" = 1'-0"
0 6' 12'

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://vividocs.com/ACCProjects/2209 St. Nelson Care Center Renovation 2 Exterior.rvt
8/29/2025 2:07:51 PM

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Drawn: **JDV/ CN**
Check: **EN**
North

EXTERIOR ELEVATIONS

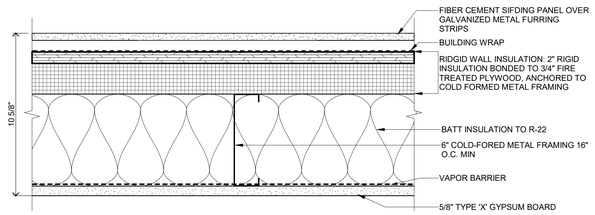
Scale: **As indicated**

A5.102

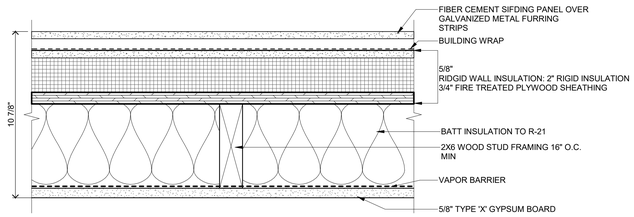
100% CD SET

A

MN



B1 EX-01 PLAN DETAIL
3" = 1'-0"
0 3" 6"



B3 EX-02 PLAN DETAIL
3" = 1'-0"
0 3" 6"

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_Revit2024.rvt
Central: https://a.autodesk.com/t/b.tas.wold.com/projects/246040_Nelson Care Center_Revit2024.rvt
8/29/2025 2:07:42 PM

A

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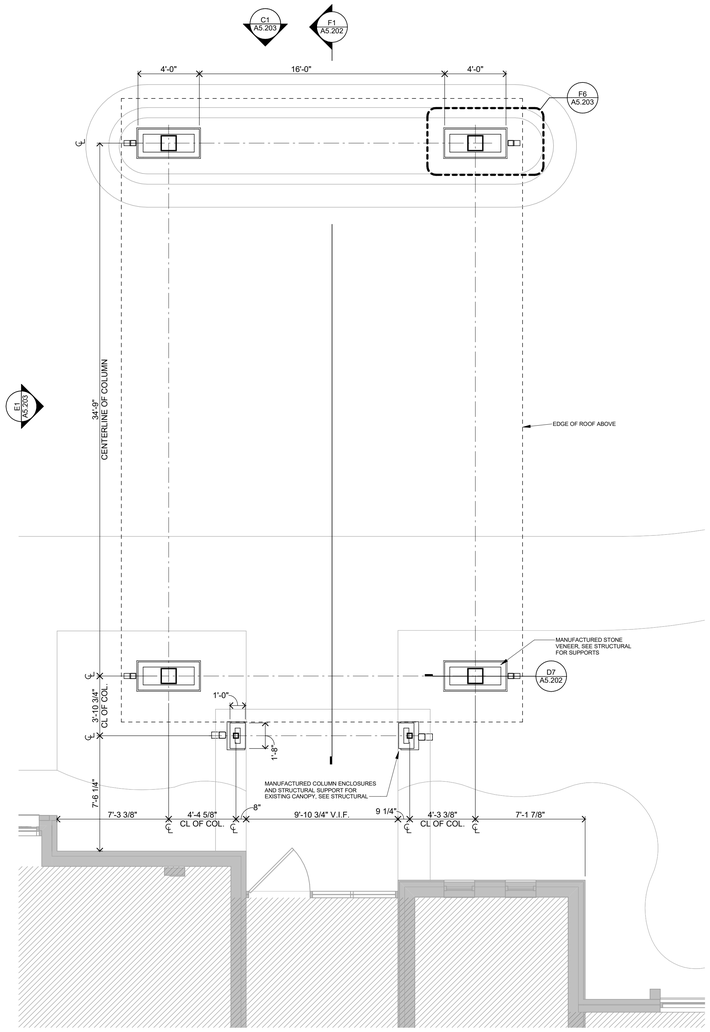
Check: **EN**
North

EXTERIOR WALL TYPES

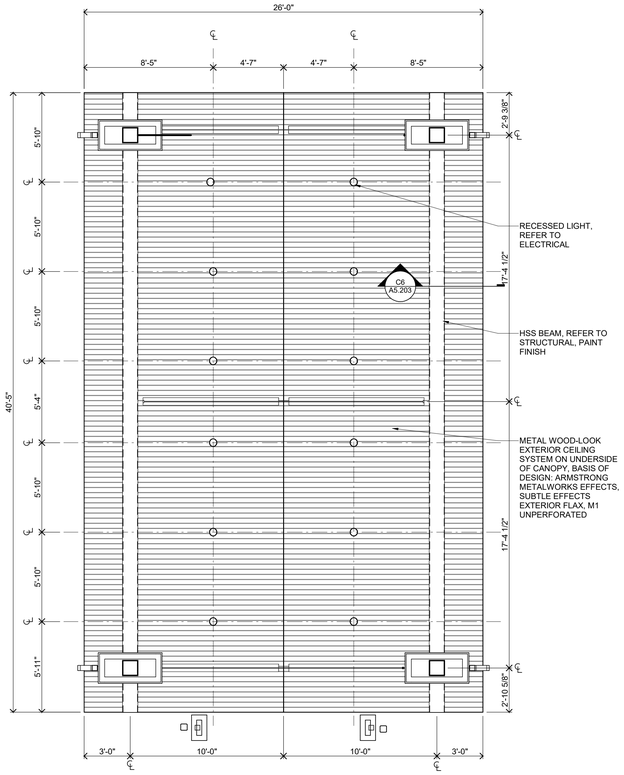
Scale: **3" = 1'-0"**

A5.201

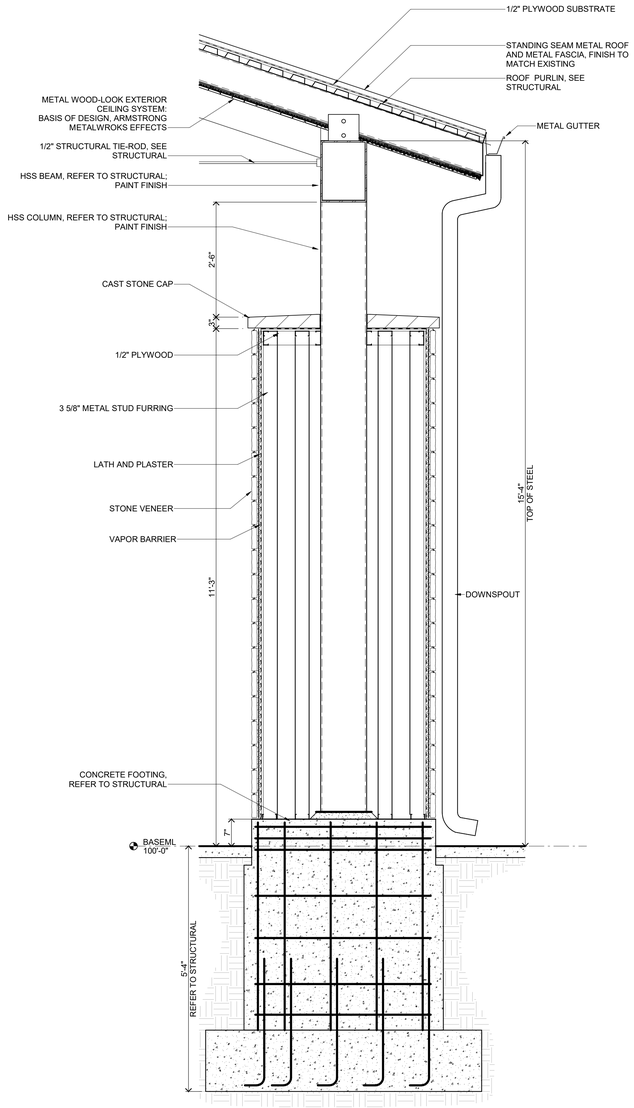
MN



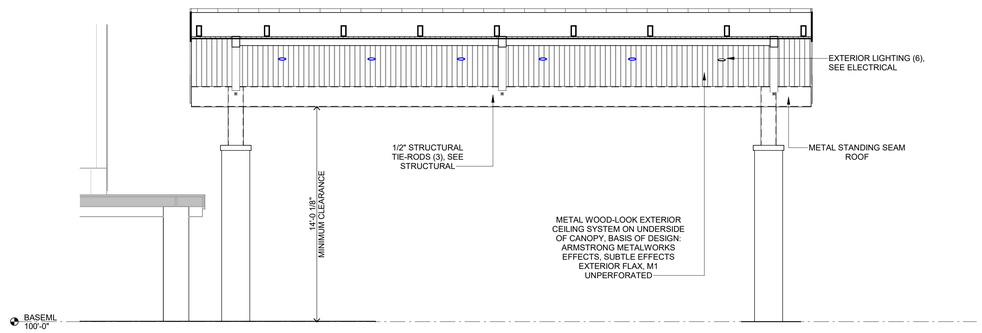
D1 FIRST FLOOR PLAN - FRONT CANOPY
1/4" = 1'-0"
0 3' 6'



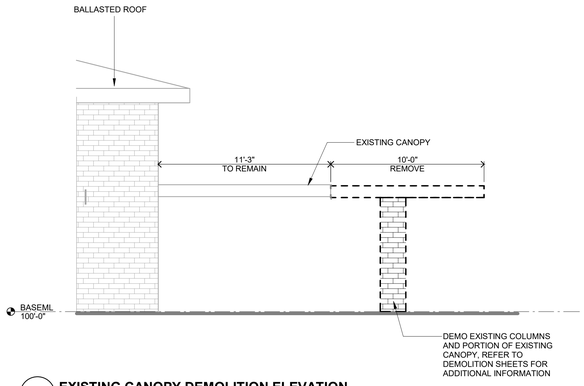
C4 REFLECTED CEILING PLAN - FRONT CANOPY
1/4" = 1'-0"
0 3' 6'



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

Architectural Drawings - Nelson Care Center Renovation/246040 - Nelson Care Center - Revit 2025.rvt
Central: 2sqlw-cmsapp2025a.2sqlw.local:52419 Working: Nursing Home Renovation 2 (ownership) - Alt2 Architecture
8/29/2025 2:37:45 PM

A

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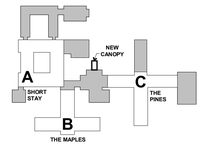

KEY PLAN

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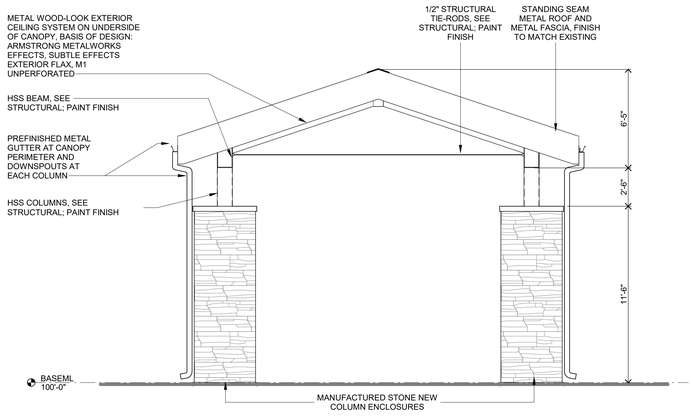
Drawn: **JDV/ CN**
Check: **EN**

DETAILS - EXTERIOR CANOPY

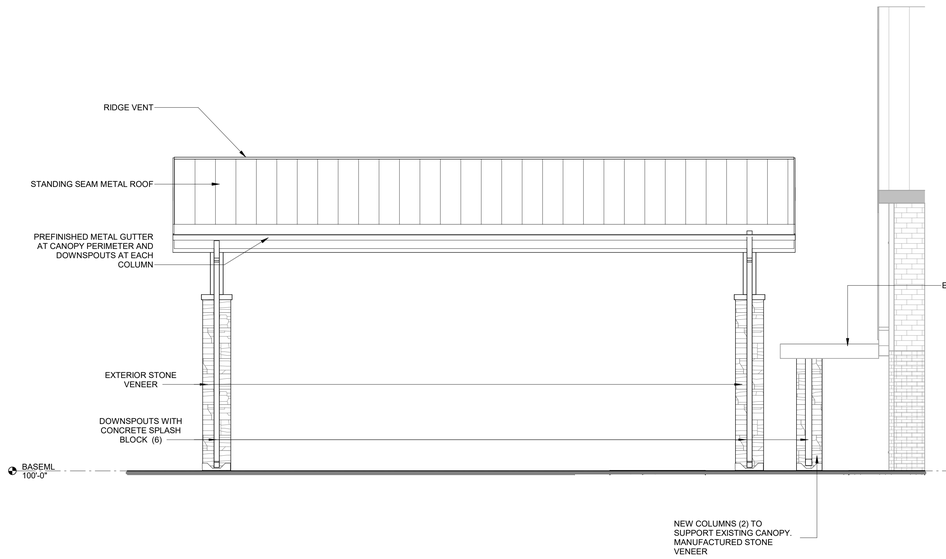
Scale: **As Indicated**

A5.202

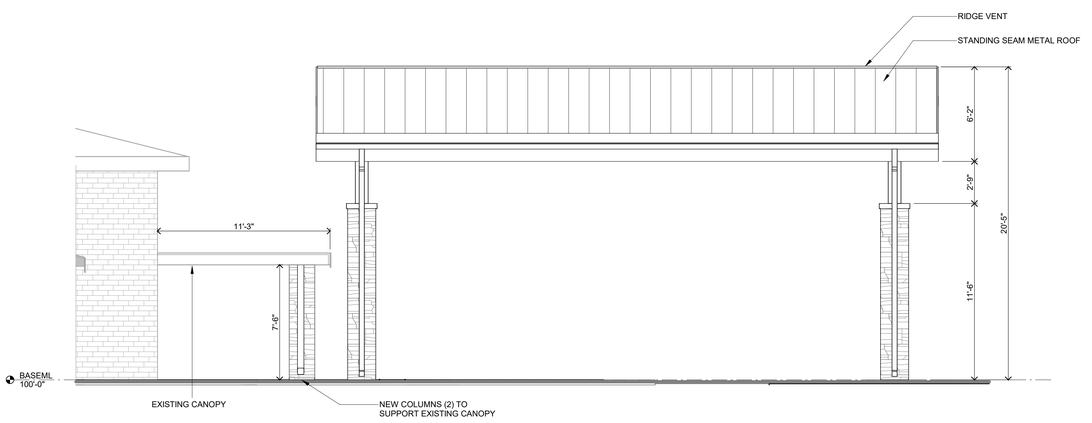
MN



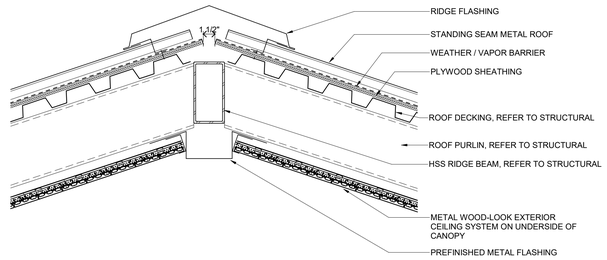
C1 EXTERIOR ELEVATION - 1
1/4" = 1'-0"



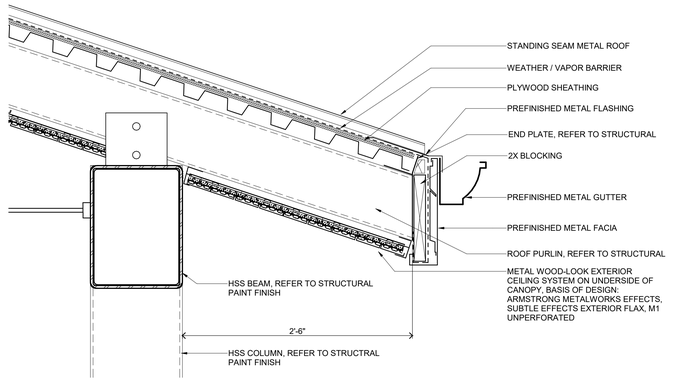
E1 EXTERIOR ELEVATION - 3
1/4" = 1'-0"



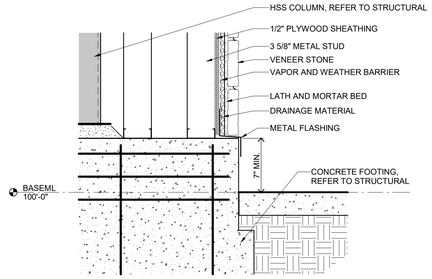
F1 EXTERIOR ELEVATION - 2
1/4" = 1'-0"



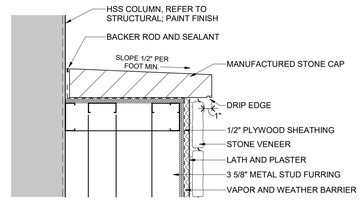
B6 ENLARGED DETAIL CANOPY RIDGE
1 1/2" = 1'-0"



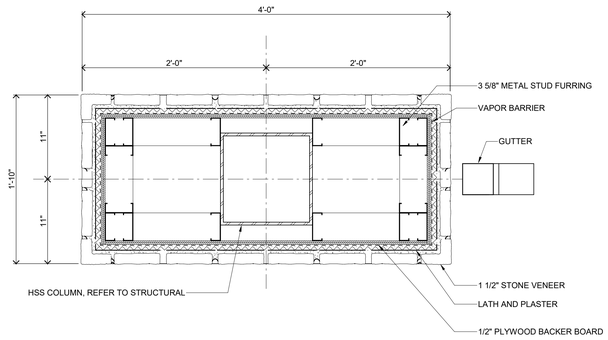
C6 ENLARGED DETAIL CANOPY EAVE
1 1/2" = 1'-0"



E5 ENLARGED DETAIL CANOPY COLUMN BASE
1 1/2" = 1'-0"



E7 ENLARGED DETAIL CANOPY COLUMN STONE CAP
1 1/2" = 1'-0"



F6 ENLARGED CANOPY COLUMN DETAIL
1 1/2" = 1'-0"

A

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_Rev2025.rvt
Central: https://vividmedia.s3.us-east-1.amazonaws.com/Revit_Temp/New Mexico/Land Leasing/Mt_ARCH/Architecture
8/29/2025 2:07:36 PM

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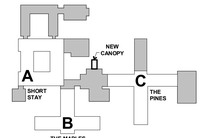

KEY PLAN

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

Revisions		
Description	Date	Num.

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

North

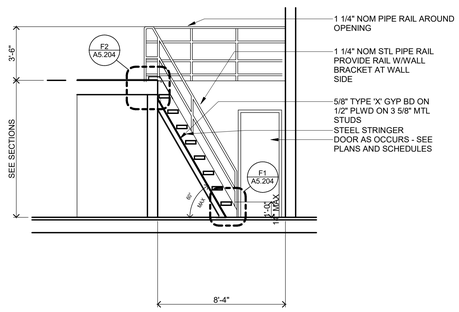
Scale: As indicated

DETAILS - EXTERIOR CANOPY

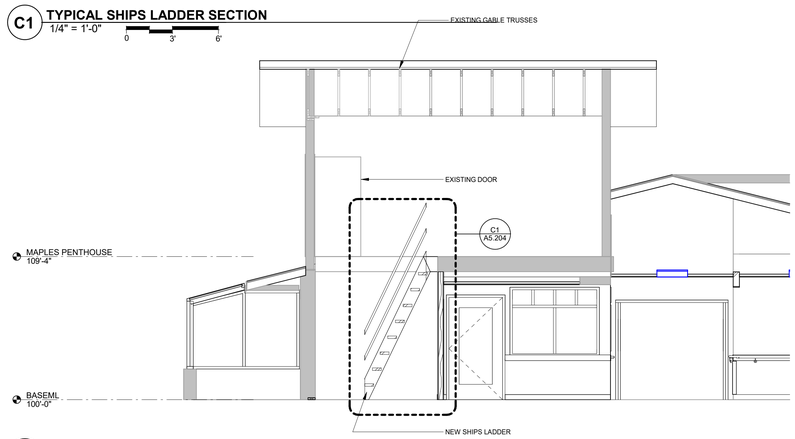
100% CD SET

A5.203

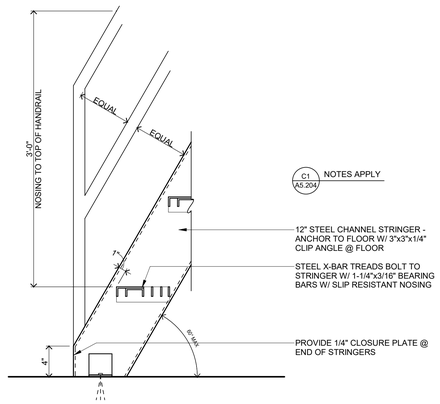
MN



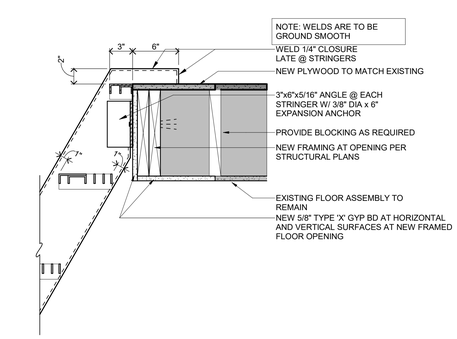
C1 TYPICAL SHIPS LADDER SECTION
1/4" = 1'-0"



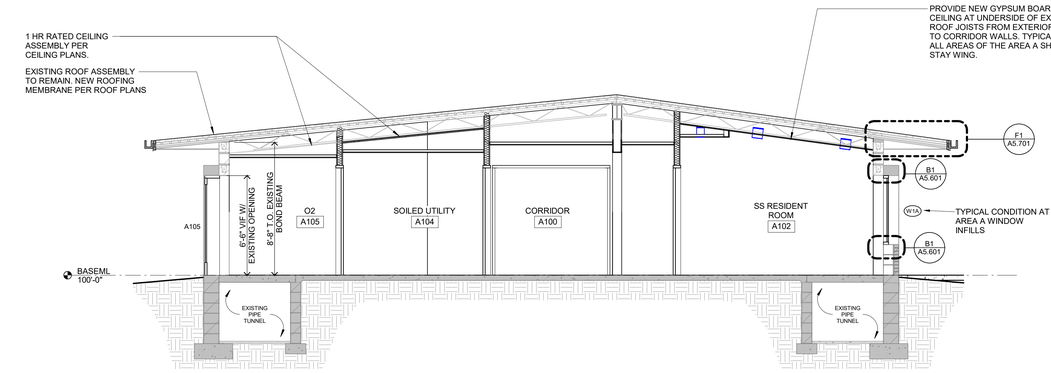
E1 MAPLES PENTHOUSE SECTION
1/4" = 1'-0"



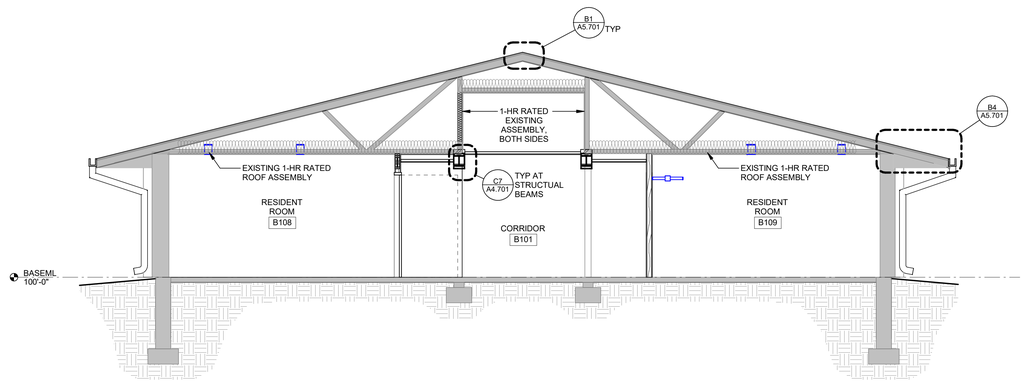
F1 FLOOR AT SHIPS LADDER
1 1/2" = 1'-0"



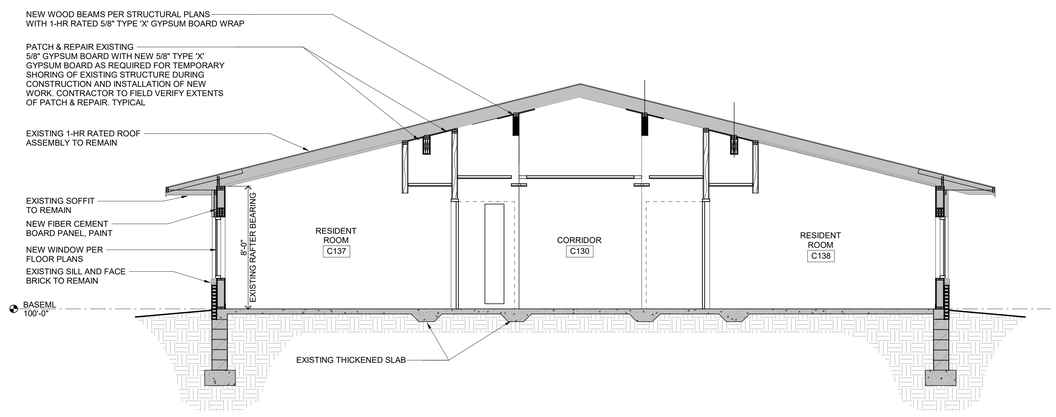
F2 LANDING AT SHIPS LADDER
1 1/2" = 1'-0"



B5 AREA A - TYPICAL SECTION @ SHORT-STAY
1/4" = 1'-0"



D5 AREA B - TYPICAL SECTION @ THE MAPLES
1/4" = 1'-0"



F5 AREA C - TYPICAL SECTION @ THE PINES
1/4" = 1'-0"

A

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

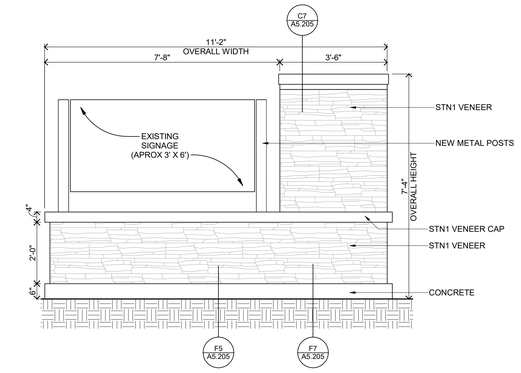
WALL SECTIONS

Scale: **As Indicated**

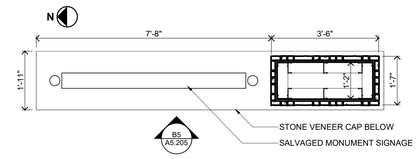
A5.204

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_Rev2025.rvt
Central: https://acc.autodesk.com/docs/files/projects/3b7e1ca3-0e4e-4d3b-a...Nelson Care Center_Rev2025.rvt
8/29/2025 2:07:56 PM

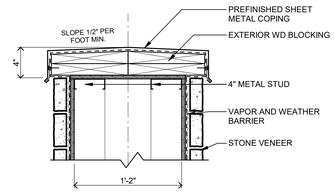
MN



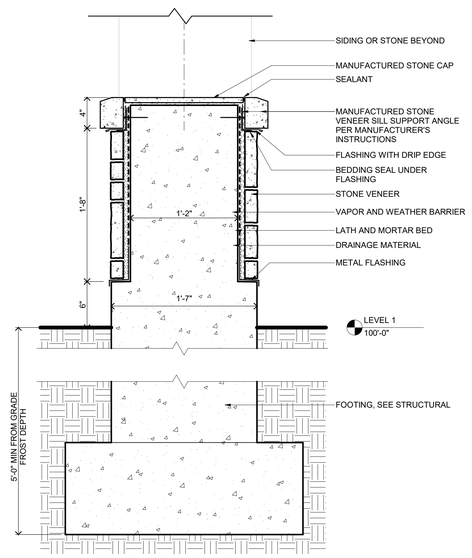
B5 MONUMENT SIGN ELEVATION
1/2" = 1'-0"
0 1'-6" 3'



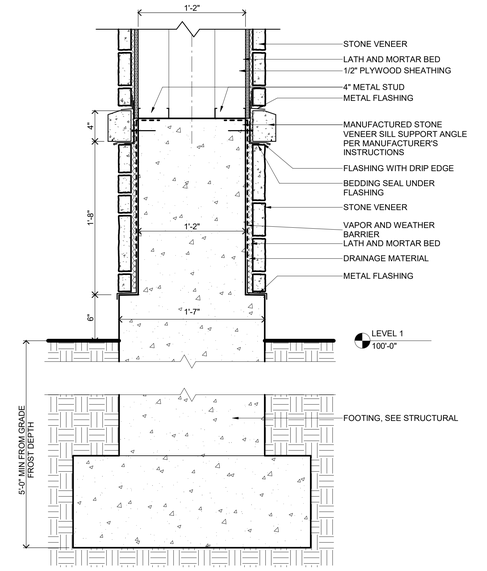
B7 ENLARGED PLAN - MONUMENT SIGN
1/2" = 1'-0"
0 1'-6" 3'



C7 EXT DTL - TOP OF MONUMENT SIGN AT STONE
1 1/2" = 1'-0"
0 1/2' 1'



F5 EXT DTL - MONUMENT SIGN - BASE AT STONE CAP
1 1/2" = 1'-0"
0 1/2' 1'



F7 EXT DTL - MONUMENT SIGN - BASE AT STONE
1 1/2" = 1'-0"
0 1/2' 1'

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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
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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

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

North

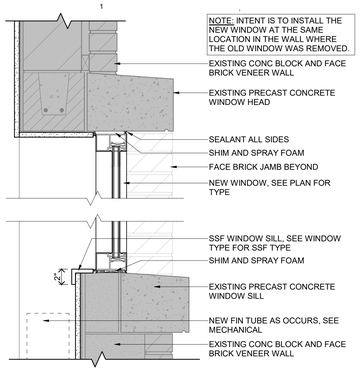
DETAILS - MONUMENT SIGN

Scale: **As indicated**

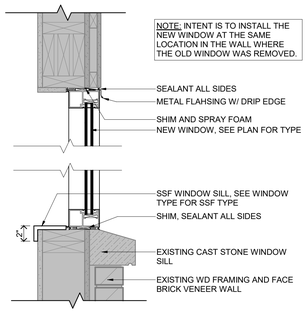
100% CD SET

A5.205

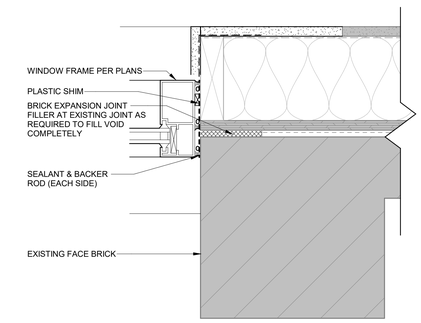
MN



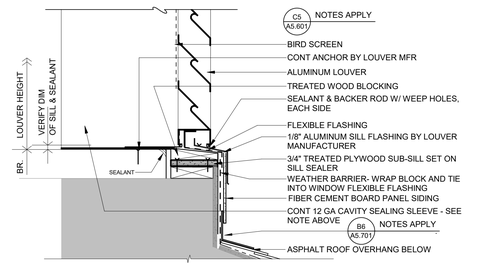
B1 WINDOW HEAD AND SILL @ AREA A
1 1/2" = 1'-0"



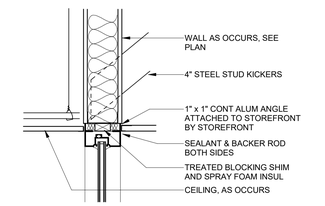
B2 WINDOW HEAD AND SILL @ AREAS B & C
1 1/2" = 1'-0"



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

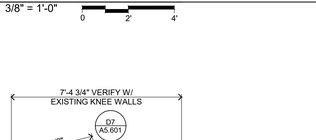


B5 LOUVER SILL AT EXISTING WALL
1 1/2" = 1'-0"

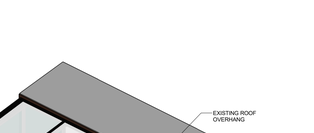


B7 STOREFRONT HEAD DETAIL
1 1/2" = 1'-0"

B



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

F

A

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Central: https://connect.autodesk.com/a360/us/project/1b0b1b1b-1b1b-1b1b-1b1b-1b1b1b1b1b1b/
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Sara Malin
Sara Malin
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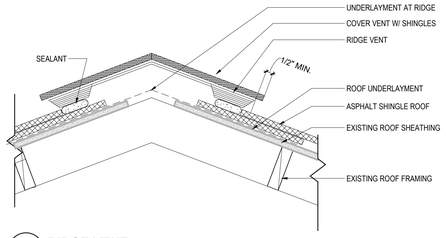
DETAILS - EXTERIOR OPENINGS

Scale: **As indicated**

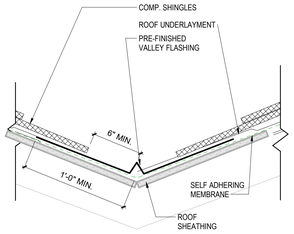
100% CD SET

A5.601

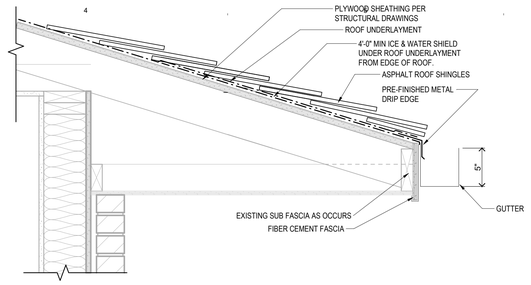
MN



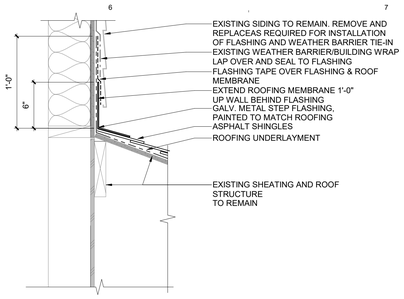
B1 RIDGE VENT
1 1/2" = 1'-0"



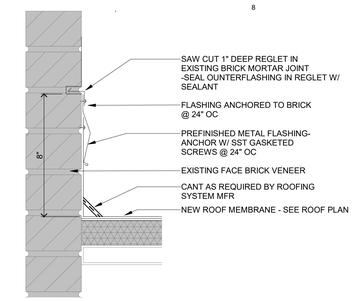
B2 VALLEY FLASHING
1 1/2" = 1'-0"



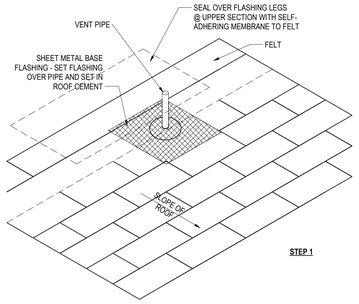
B4 ASPHALT SHINGLES AT EXISTING ROOF EAVE
1 1/2" = 1'-0"

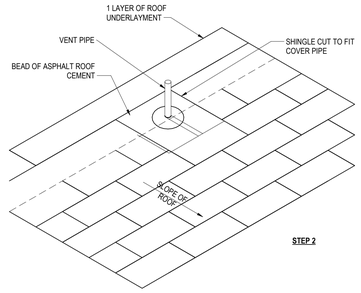


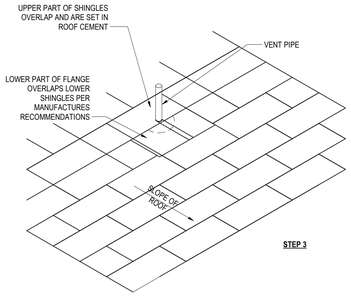
B6 VERTICAL WALL AT ASPHALT SHINGLE ROOF
1 1/2" = 1'-0"



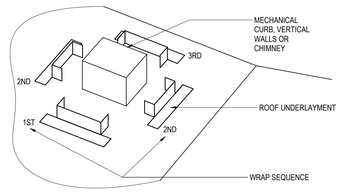
B7 FLASHING DETAIL AT EXISTING BRICK
3" = 1'-0"



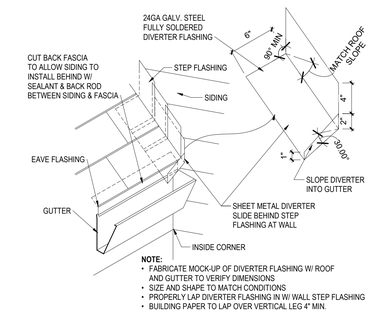




C1 ROOF PENETRATION DETAILS AT ASPHALT ROOF
1 1/2" = 1'-0"

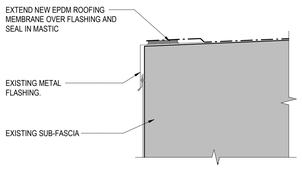


C6 TYPICAL VERTICAL PENETRATION AT SLOPED ROOFS
1 1/2" = 1'-0"

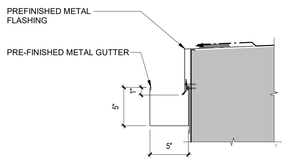


NOTE:
- FABRICATE MOCK-UP OF DIVERTER FLASHING W/ ROOF AND GUTTER TO VERIFY DIMENSIONS
- SIZE AND SHAPE TO MATCH CONDITIONS.
- PROPERLY LAP DIVERTER FLASHING IN W/ WALL STEP FLASHING
- BUILDING PAPER TO LAP OVER VERTICAL LEG 4" MIN.

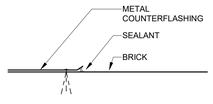
C7 RAIN DIVERTER DETAIL
1 1/2" = 1'-0"



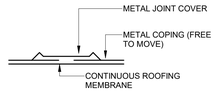
D1 NEW EPDM AT EXISTING COPING
1 1/2" = 1'-0"



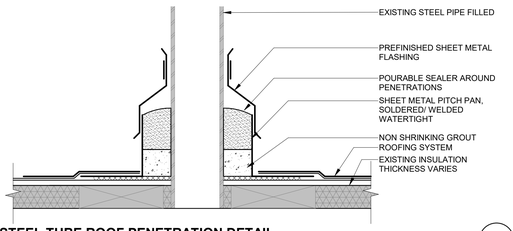
D2 PRE-FINISHED METAL GUTTER
1 1/2" = 1'-0"



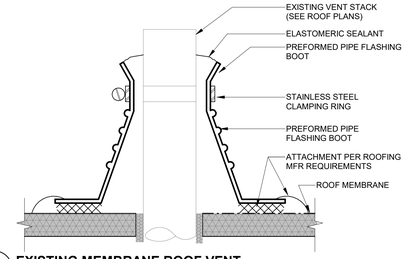
D3 COUNTERFLASHING EDGE
1 1/2" = 1'-0"



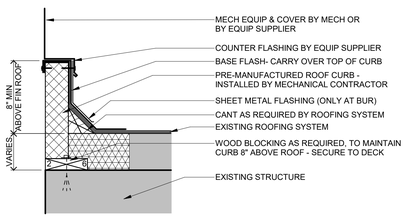
D4 TYPICAL JOINT COVER
NOT TO SCALE



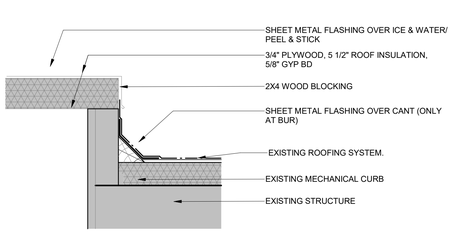
D5 STEEL TUBE ROOF PENETRATION DETAIL
3" = 1'-0"



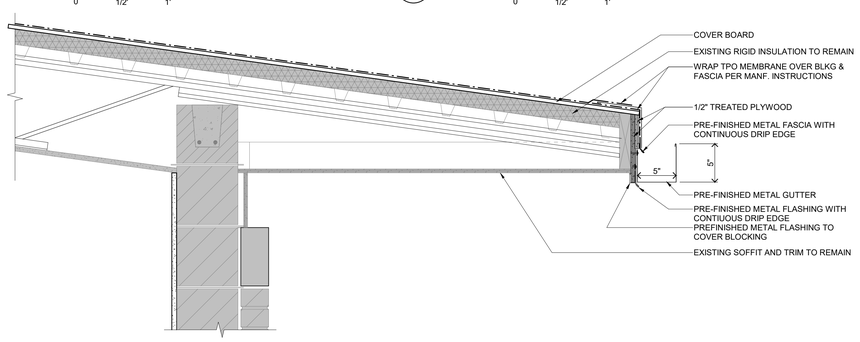
D7 EXISTING MEMBRANE ROOF VENT
3" = 1'-0"



E1 PENETRATION CURB
1 1/2" = 1'-0"



E2 SECTION AT MECH. EQUIPMENT CAP
1 1/2" = 1'-0"



F1 SHORT-STAY ROOF OVERHANG
1 1/2" = 1'-0"

A

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Central: https://a360.autodesk.com/data/projects/2b3f1b... Working Views Watermark Extended.rvt#{3D, JDV}
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Check: **EN**

North

DETAILS - EXTERIOR ROOF

Scale: **As indicated**

100% CD SET

A5.701

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	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
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**

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MECHANICAL TITLE SHEET

Scale: **As Indicated**

100% CD SET

M0.000

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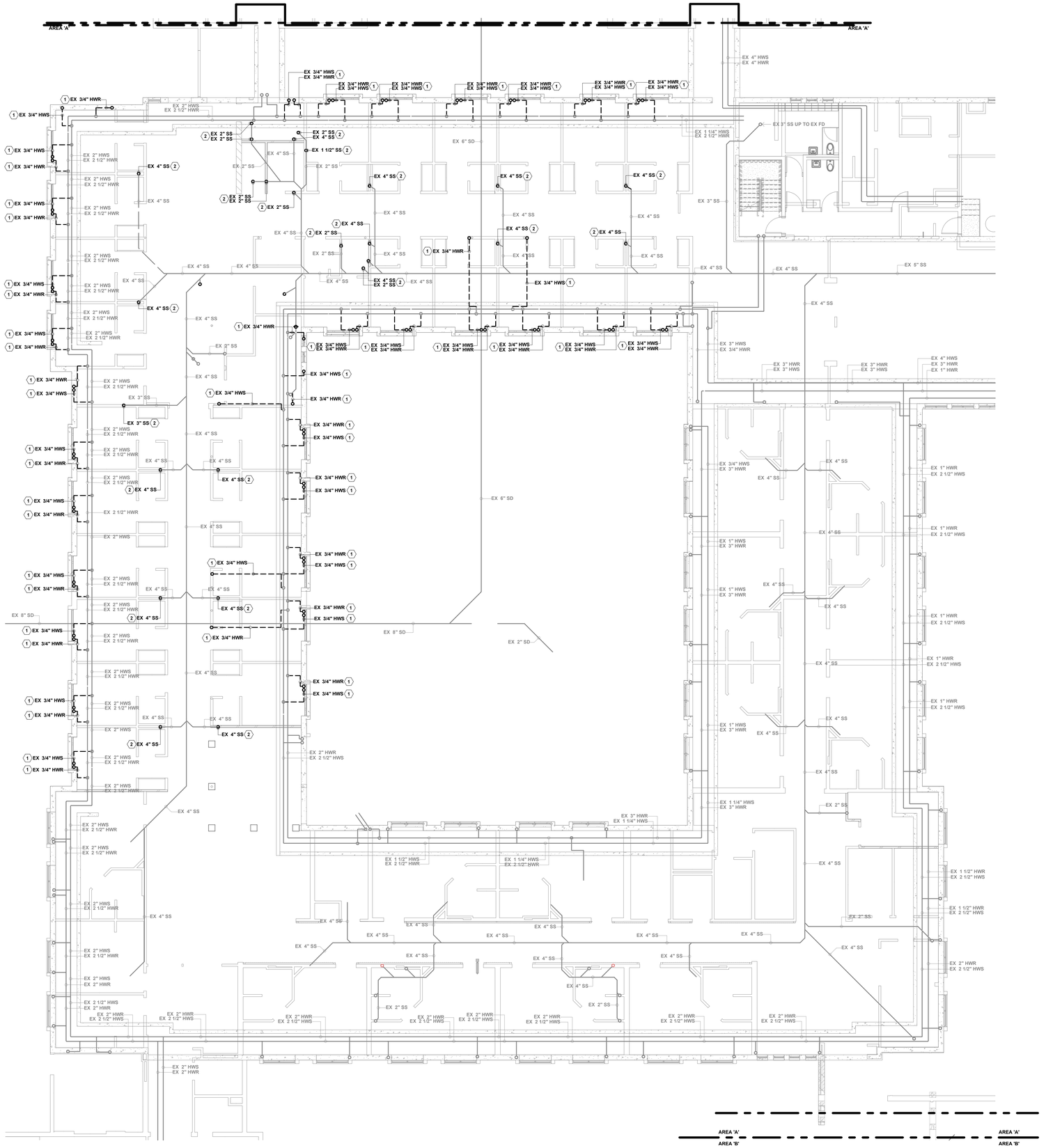

F2 UNDERGROUND DEMOLITION PLAN - AREA 'A'
1/8" = 1'-0"

DEMOLITION 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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6. PATCH AND REPAIR OPENINGS THROUGH WALLS AND FLOORS WHERE MECHANICAL SYSTEMS WERE REMOVED TO MATCH EXISTING AND TO MAINTAIN FIRE RATING. WALL FINISHED BY OTHERS.

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North

UNDERGROUND DEMOLITION PLAN - AREA 'A'

Scale: **As indicated**

100% CD SET

M1.00a

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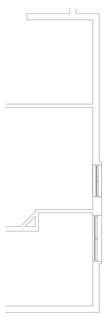
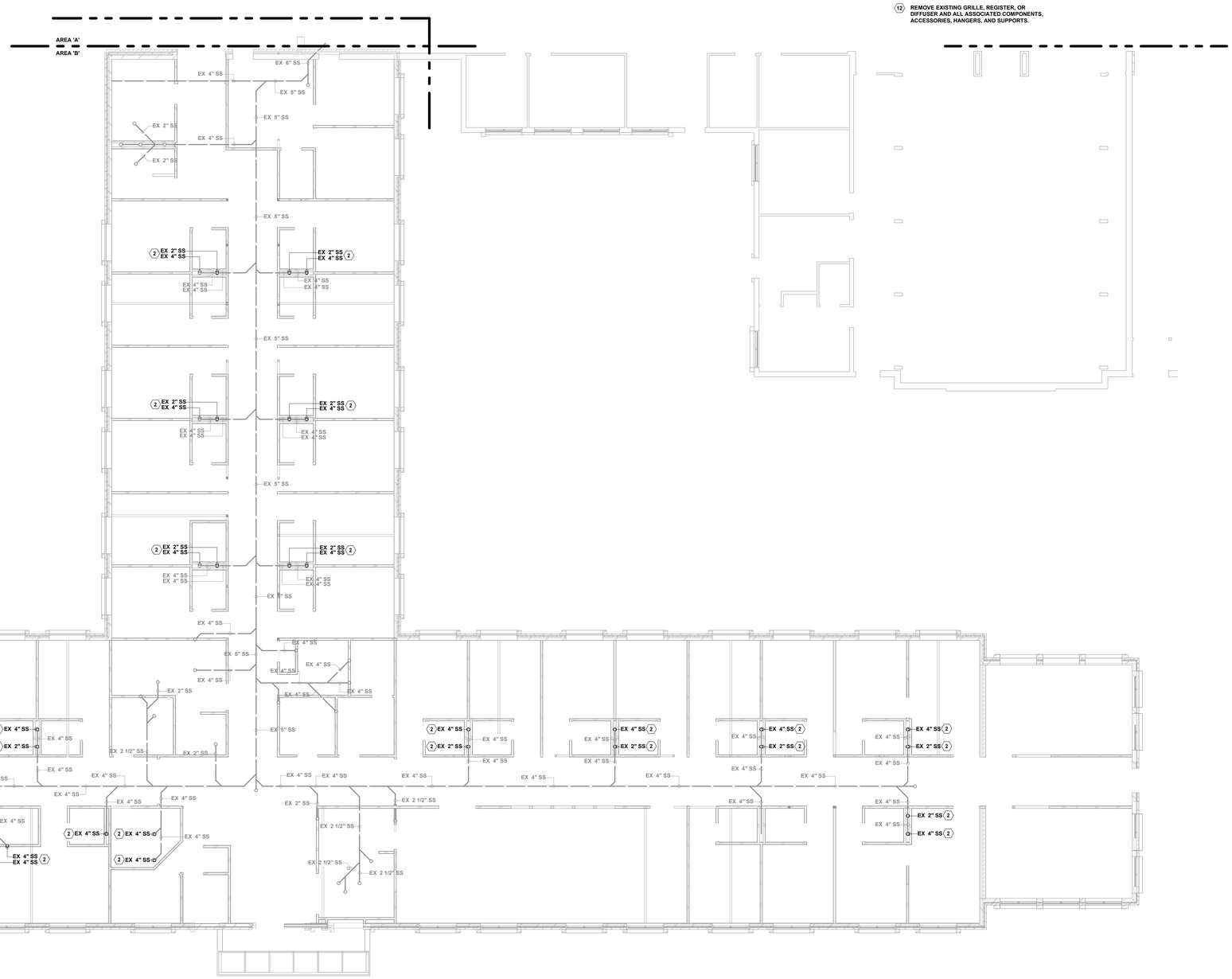
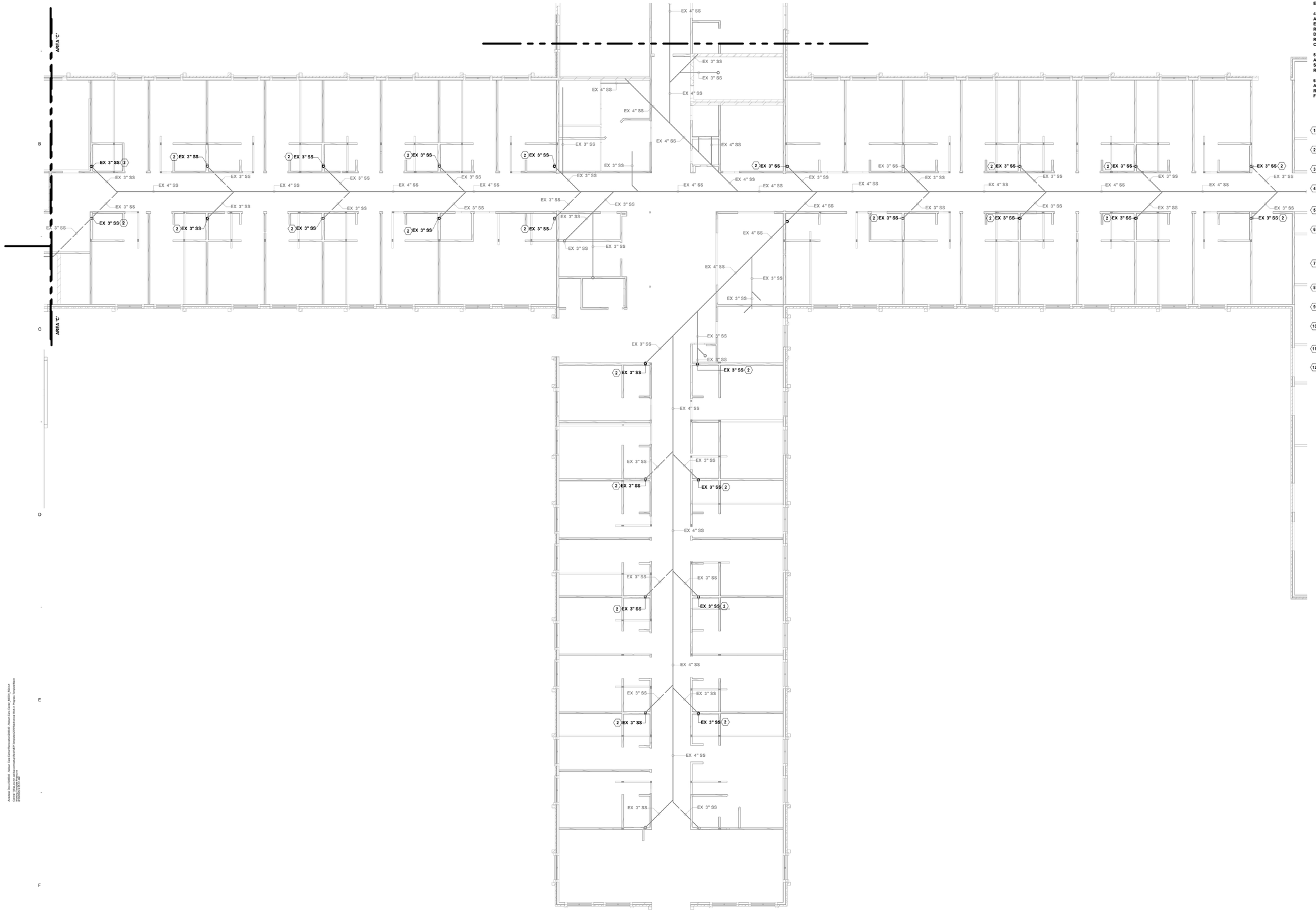



AREA 'A'
AREA 'B'
EX 6" SS
EX 4" SS
EX 5" SS
EX 2" SS
EX 4" SS
EX 2" SS
EX 5" SS
2 EX 2" SS EX 4" SS
EX 2" SS EX 4" SS 2
EX 4" SS EX 4" SS
EX 4" SS EX 4" SS
EX 5" SS
EX 4" SS
EX 5" SS
EX 4" SS
EX 2" SS
EX 4" SS
EX 4" SS
EX 5" SS
EX 2 1/2" SS
EX 2" SS
EX 4" SS
EX 4" SS
EX 4



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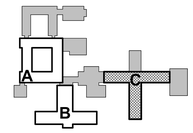

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Brian Evan

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

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

North

UNDERGROUND DEMOLITION PLAN - AREA 'C'

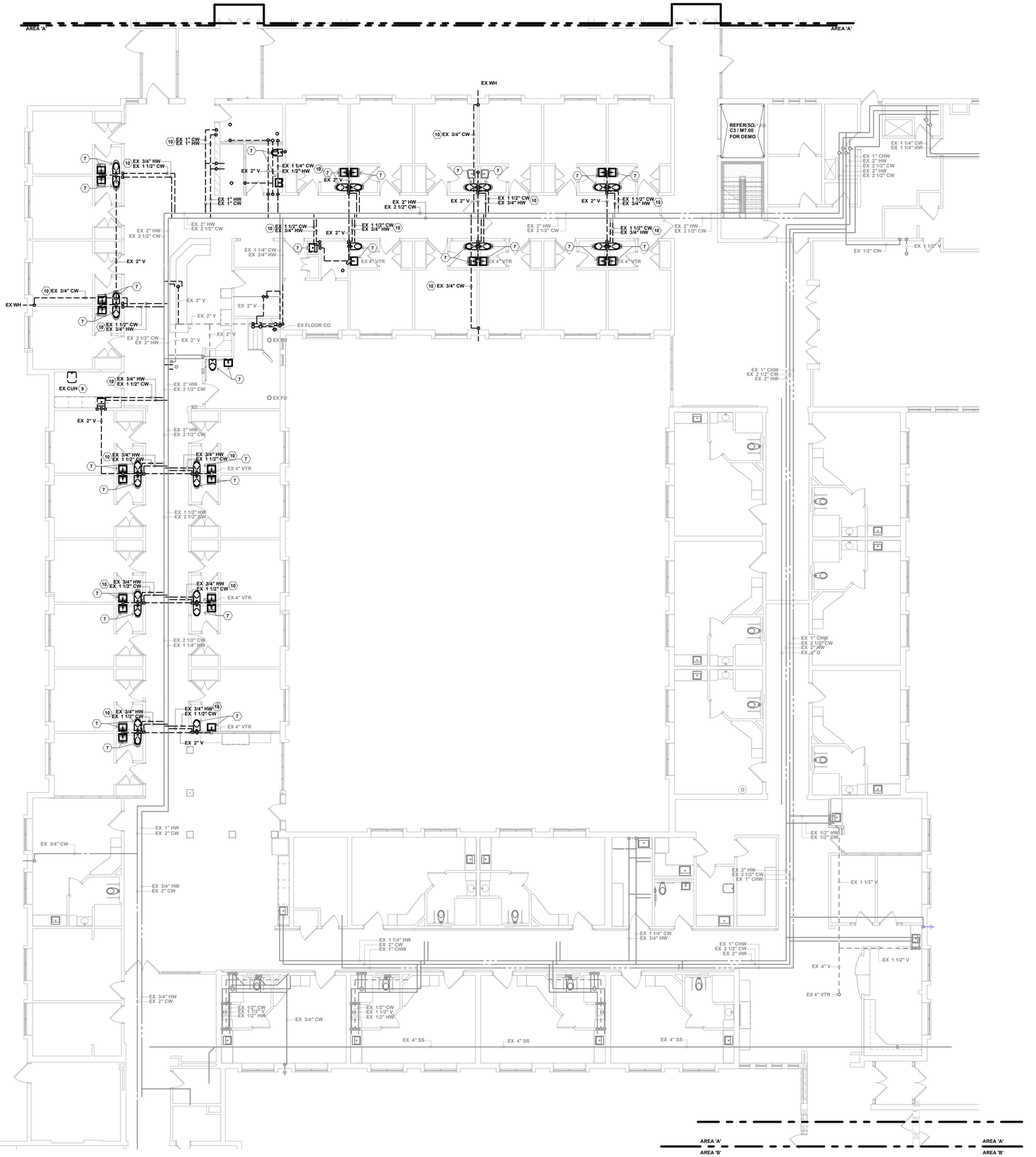
Scale: **As indicated**

M1.00c

M

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

100% CD SET



F2 DEMOLITION - MAIN LEVEL - AREA 'A'
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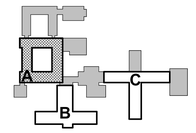

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License Number: 54354 Date: 08/29/2025

Revisions		
Description	Date	Num

Comm: 246040
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North

MAIN LEVEL PLUMBING DEMOLITION - AREA 'A'

Scale: As indicated

M1.02a

100% CD SET

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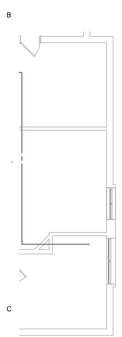

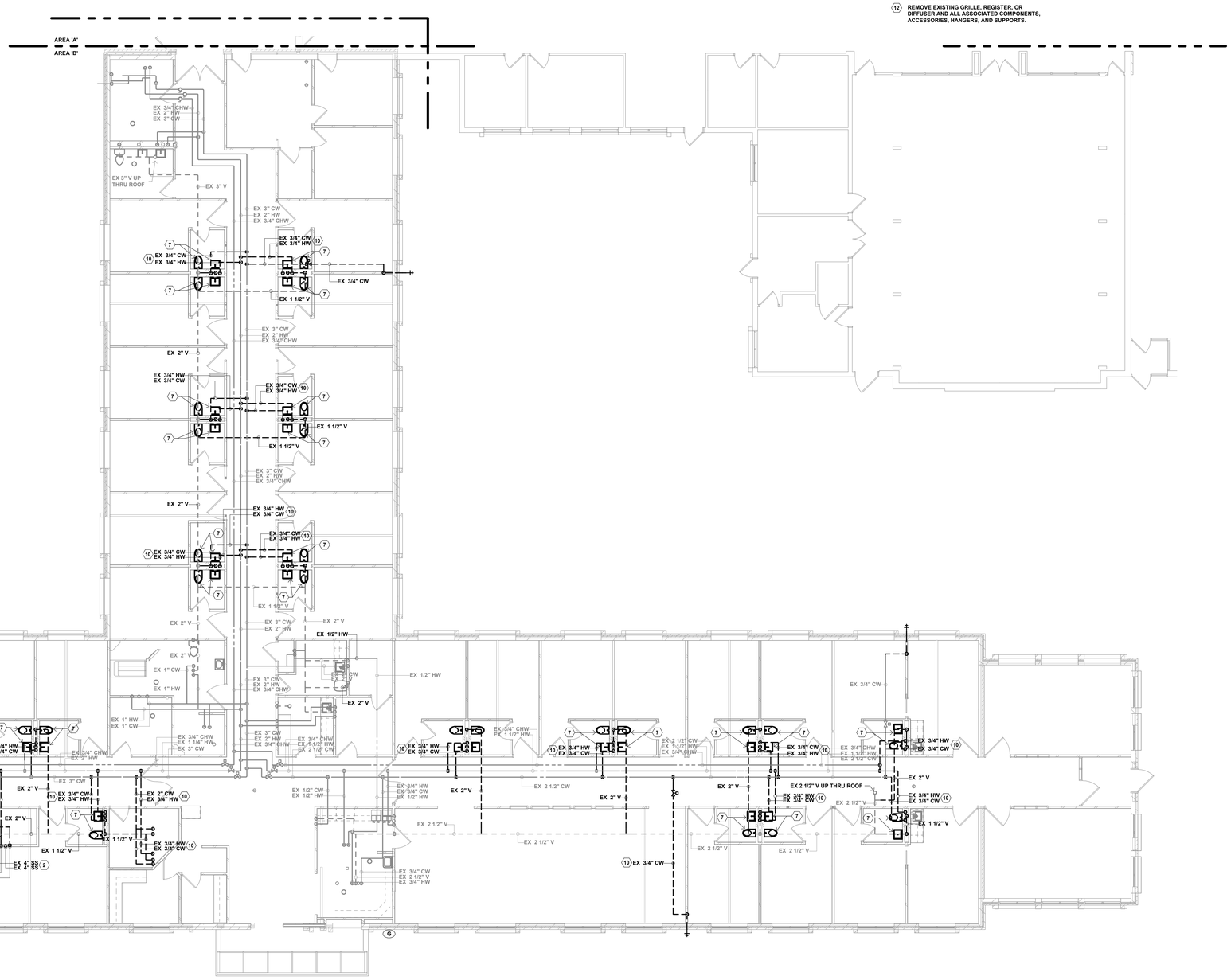

F1 MAIN LEVEL PLUMBING DEMOLITION - AREA 'B'
1/8" = 1'-0"

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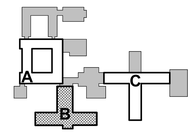

KEY PLAN

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

Revisions		
Description	Date	Num

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

North

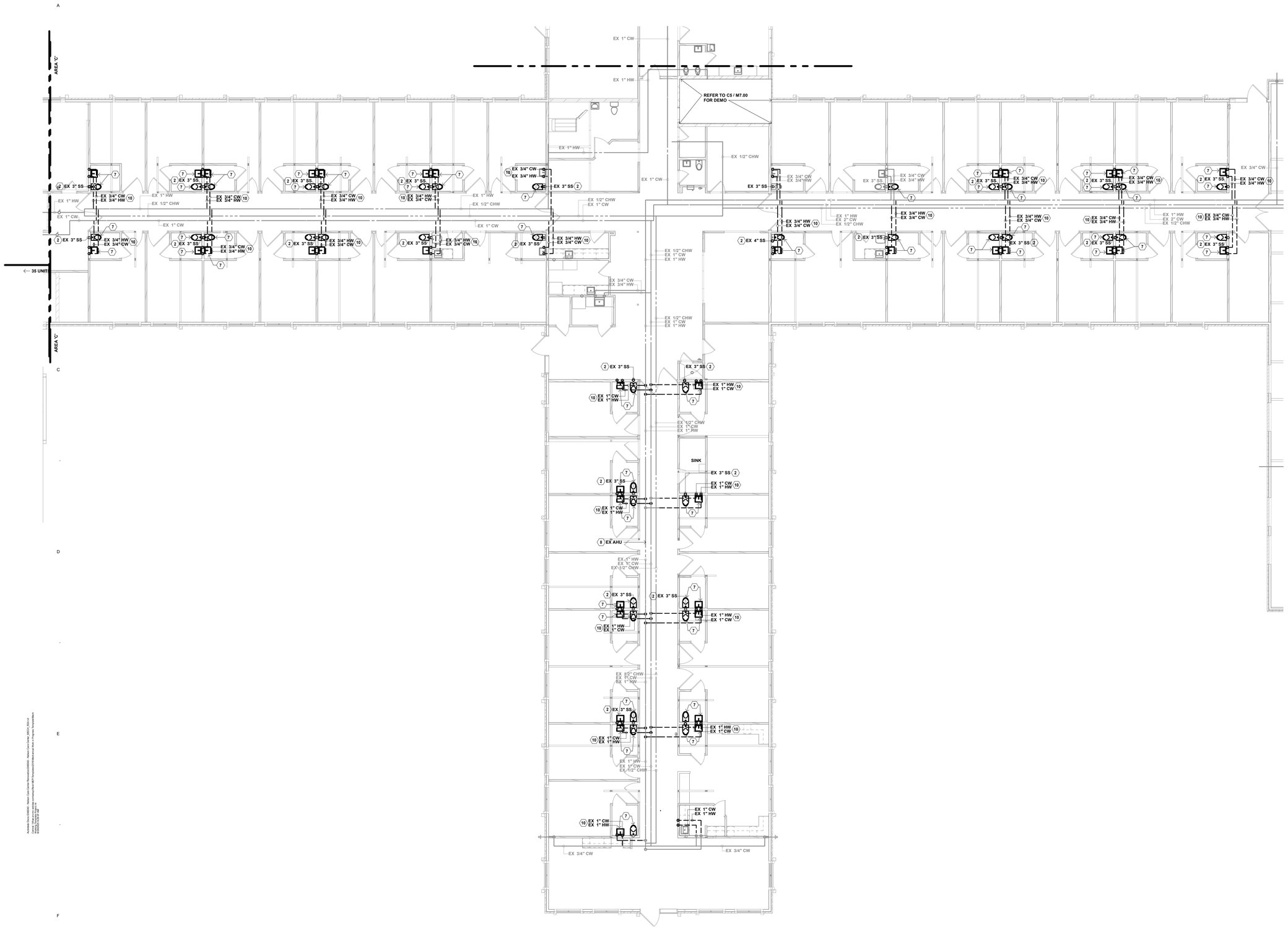
MAIN LEVEL PLUMBING DEMOLITION - AREA 'B'

Scale: As Indicated

M1.02b

100% CD SET

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_MEP.rvt
Central: https://ac.autodesk.com/accmodel/view/1a6f1e7e-aeeb-4d22-8e7e-ea4a2d2d1f7d/versions/1?data=eyJ2aWV3IjoiMyIsInByb2plY3RJZCI6ImI6MjAyMTAwMDAwMDAwMD



X-78 MAIN LEVEL PLUMBING DEMOLITION - AREA 'C'
1/8" = 1'-0"

DEMOLITION 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.
2. ALL EXISTING SERVICES SHALL BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE INDICATED ON THE PLANS. COORDINATE DISRUPTION OF SERVICES WITH OWNER TO PROVIDE AN ACCEPTABLE TIME FOR DOWN TIME.
3. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING AND PATCHING OF EXISTING CONSTRUCTION UNLESS OTHERWISE NOTED ON PLANS. NO CUTTING OF STRUCTURAL MEMBERS OR STRUCTURE WHICH WILL DETERIORATE THE INTEGRITY AND STRENGTH OF THE BUILDING WILL BE ALLOWED WITH OUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
4. 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.
5. THE MECHANICAL CONTRACTOR SHALL REMOVE ALL SYSTEMS SHOWN BOLD AND DASHED. ALL SYSTEMS NOT SHOWN BOLD AND DASHED SHALL REMAIN.
6. PATCH AND REPAIR OPENINGS THROUGH WALLS AND FLOORS WHERE MECHANICAL SYSTEMS WERE REMOVED TO MATCH EXISTING AND TO MAINTAIN FIRE RATING. WALL FINISHED BY OTHERS.

DEMOLITION PLAN KEYED NOTES:

1. REMOVE EXISTING HEATING WATER PIPING AND ALL ASSOCIATED COMPONENTS, ACCESSORIES, HANGERS, AND SUPPORTS.
2. REMOVE EXISTING SANITARY SEWER PIPING AND ALL ASSOCIATED COMPONENTS, ACCESSORIES, HANGERS, AND SUPPORTS.
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12. REMOVE EXISTING GRILLE, REGISTER, OR DIFFUSER AND ALL ASSOCIATED COMPONENTS, ACCESSORIES, HANGERS, AND SUPPORTS.

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246040

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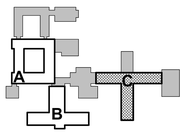
woldae.com | 612 772 9025



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Revisions		
Description	Date	Num

Comm: 246040
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Check: BE
North

MAIN LEVEL PLUMBING DEMOLITION - AREA 'C'

Scale: As indicated

M1.02c

100% CD SET

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_MEPv_R25.rvt
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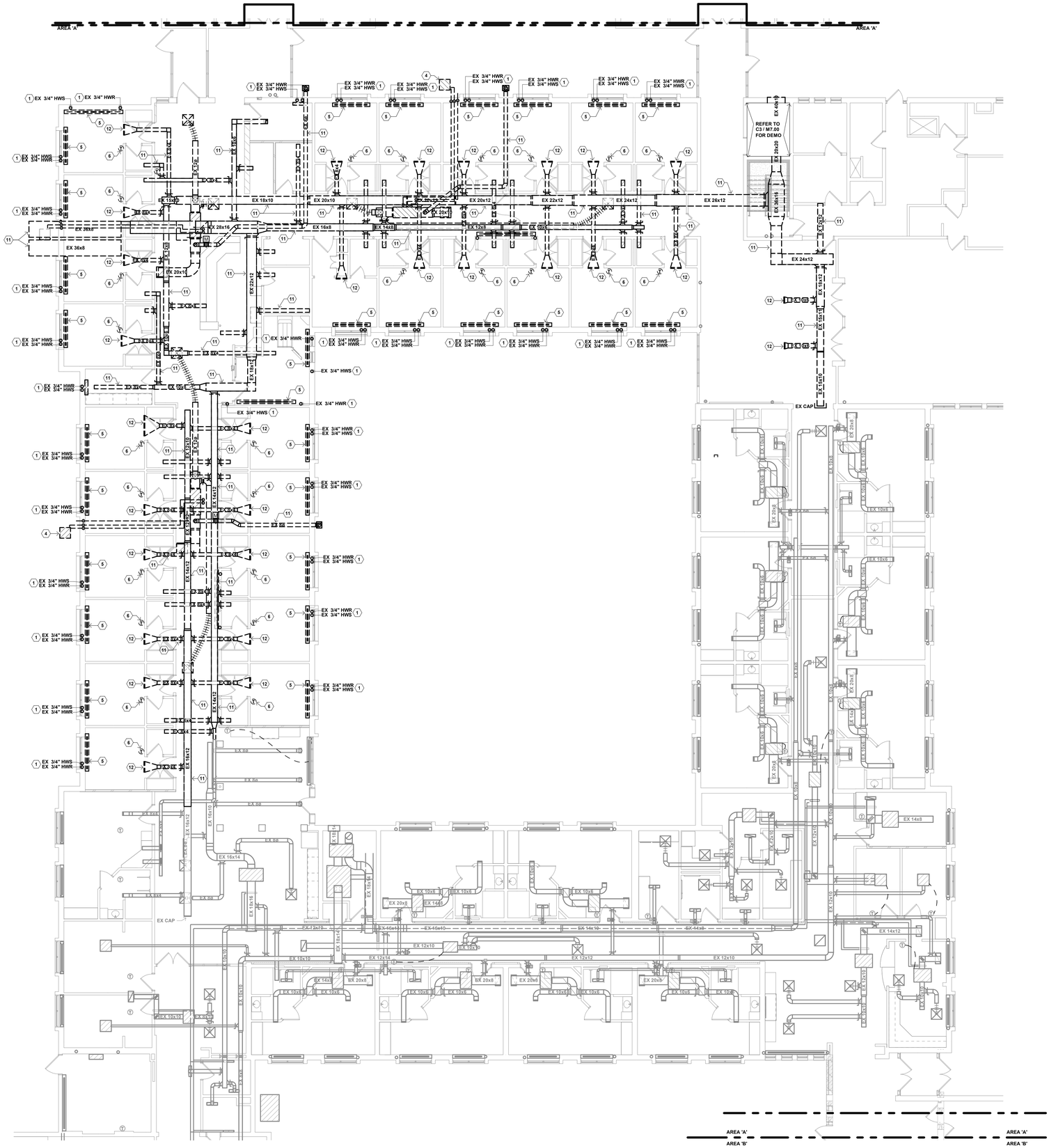

F2 MAIN LEVEL HVAC DEMOLITION - AREA 'A'
1/8" = 1'-0"

DEMOLITION 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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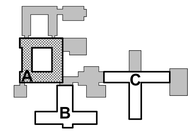

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Brian Evan

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

Revisions		
Description	Date	Num

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

MAIN LEVEL HVAC DEMOLITION - AREA 'A'

Scale: **As indicated**

100% CD SET

M1.12a

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_MEP(for_2024).rvt
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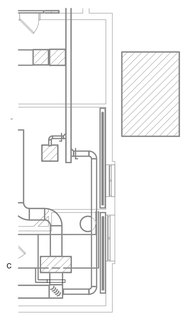

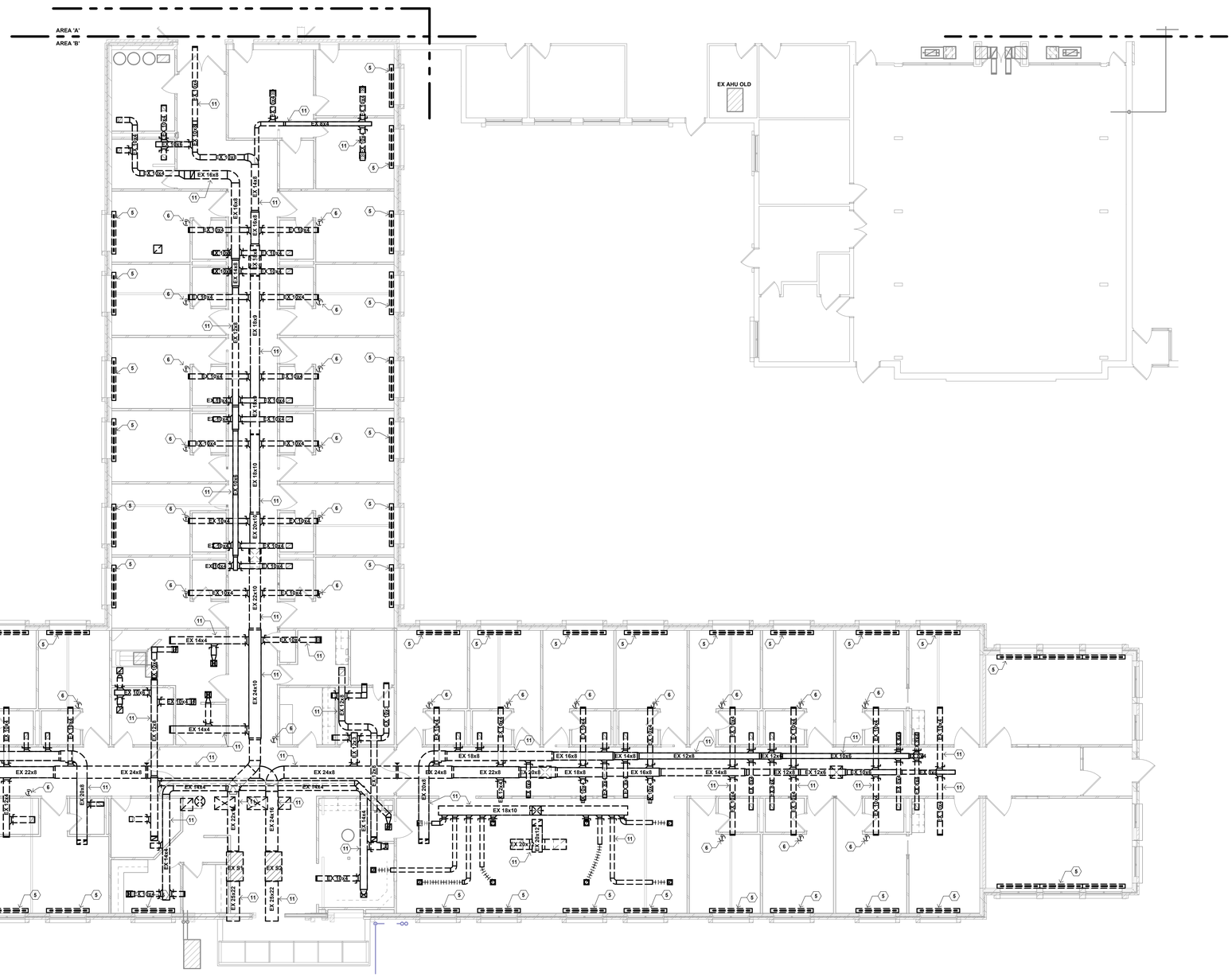

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M

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

100% CD SET

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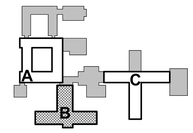

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Brian Evan
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License Number: **54354** Date **08/29/2025**

Revisions		
Description	Date	Num

Comm: 246040
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Drawn: MZ
Check: BE

North

MAIN LEVEL HVAC DEMOLITION - AREA 'B'

Scale: **As Indicated**

M1.12b

Architects Boys 2024/2025 - Master Docs/Revit Files/2024/25 - Master Docs/Center_MEP24_25Cntr.rvt
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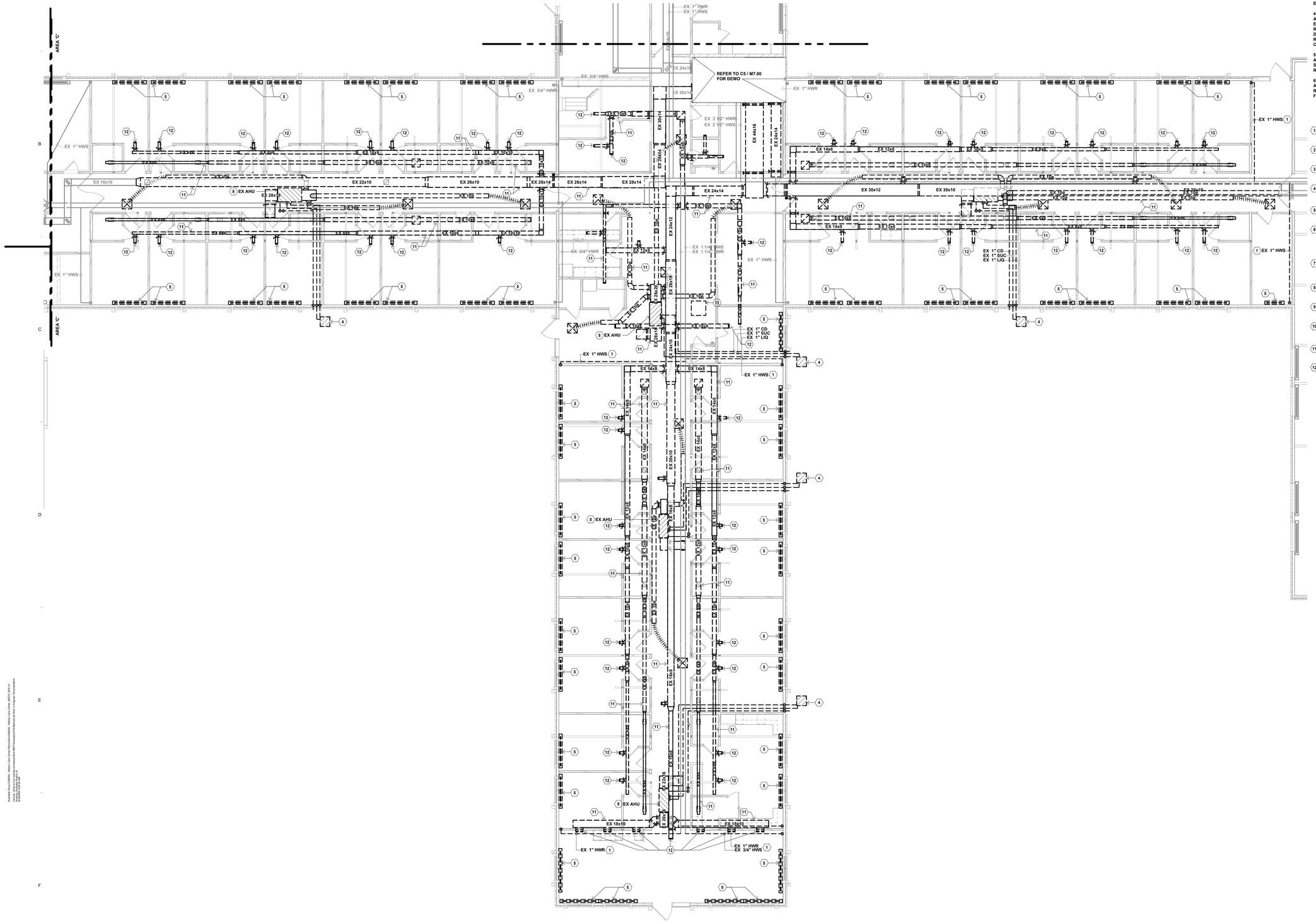

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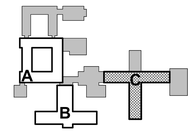

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Brian Evan

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

Revisions		
Description	Date	Num

Comm: 246040
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Check: BE

North

MAIN LEVEL HVAC DEMOLITION - AREA 'C'

Scale: As Indicated

M1.12c

100% CD SET

M

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

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_MEP for 25.rvt
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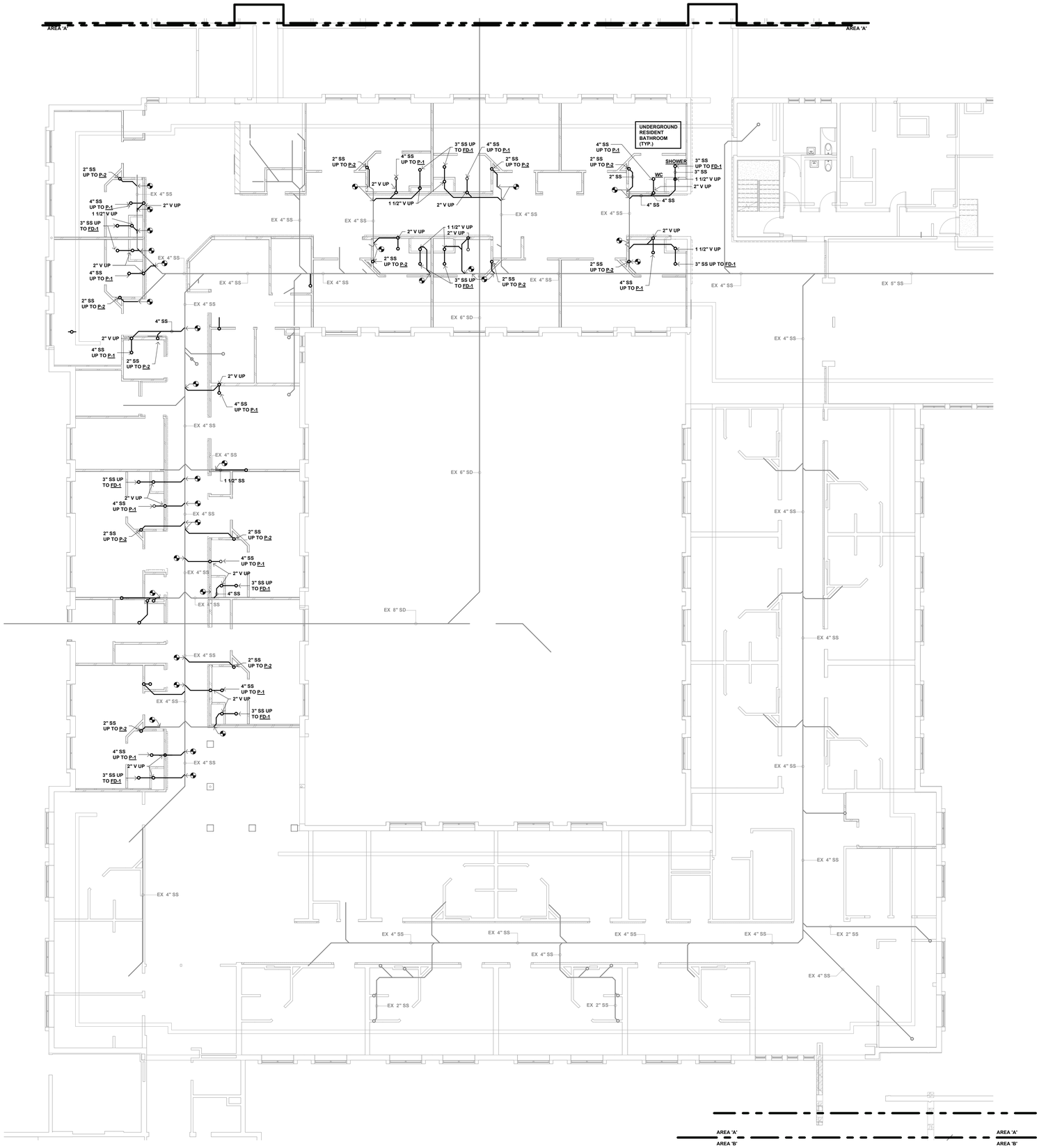

F2 UNDERGROUND PLUMBING PLAN - AREA 'A'
1/8" = 1'-0"

PLUMBING PLAN GENERAL NOTES:

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

3. 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.

4. LOCATE ALL VALVES, METERS, GAUGES AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.

5. COORDINATE ALL UTILITY CONNECTION SIZES, LOCATIONS, AND INVERTS WITH THE SITE UTILITY CONTRACTOR.

6. INSTALL WALL HYDRANTS AT 2'-0" ABOVE FINISHED GRADE. FIELD VERIFY EXACT LOCATION.

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. REFER TO PLUMBING RISER DIAGRAMS FOR ADDITIONAL PIPE SIZES NOT SHOWN ON DRAWING.

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.

PLUMBING PLAN KEYED NOTES:

1. FLOOR CUTTING BY OTHERS. REFER TO ARCHITECTURAL DRAWINGS AND COORDINATE AS NECESSARY.
2. CONNECT 3/4" CW TO HUMIDIFIER.
3. INSTALL 3/4" ASSE 1056 SPILL RESISTANT PRESSURE VACUUM BREAKERS ON CW AND HW PIPES TO SPA TUB.

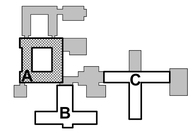
Nelson Care Center Renovation

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

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

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

North

UNDERGROUND PLUMBING PLAN - AREA 'A'

Scale: **As indicated**

M2.00a

100% CD SET

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_MEPcc_R25.rvt
Central File Path: C:\Users\mzeng\Desktop\Revit_MEP Temporary\246040 Nelson care center_mzeng_Temporary.rvt
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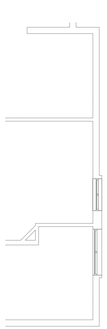
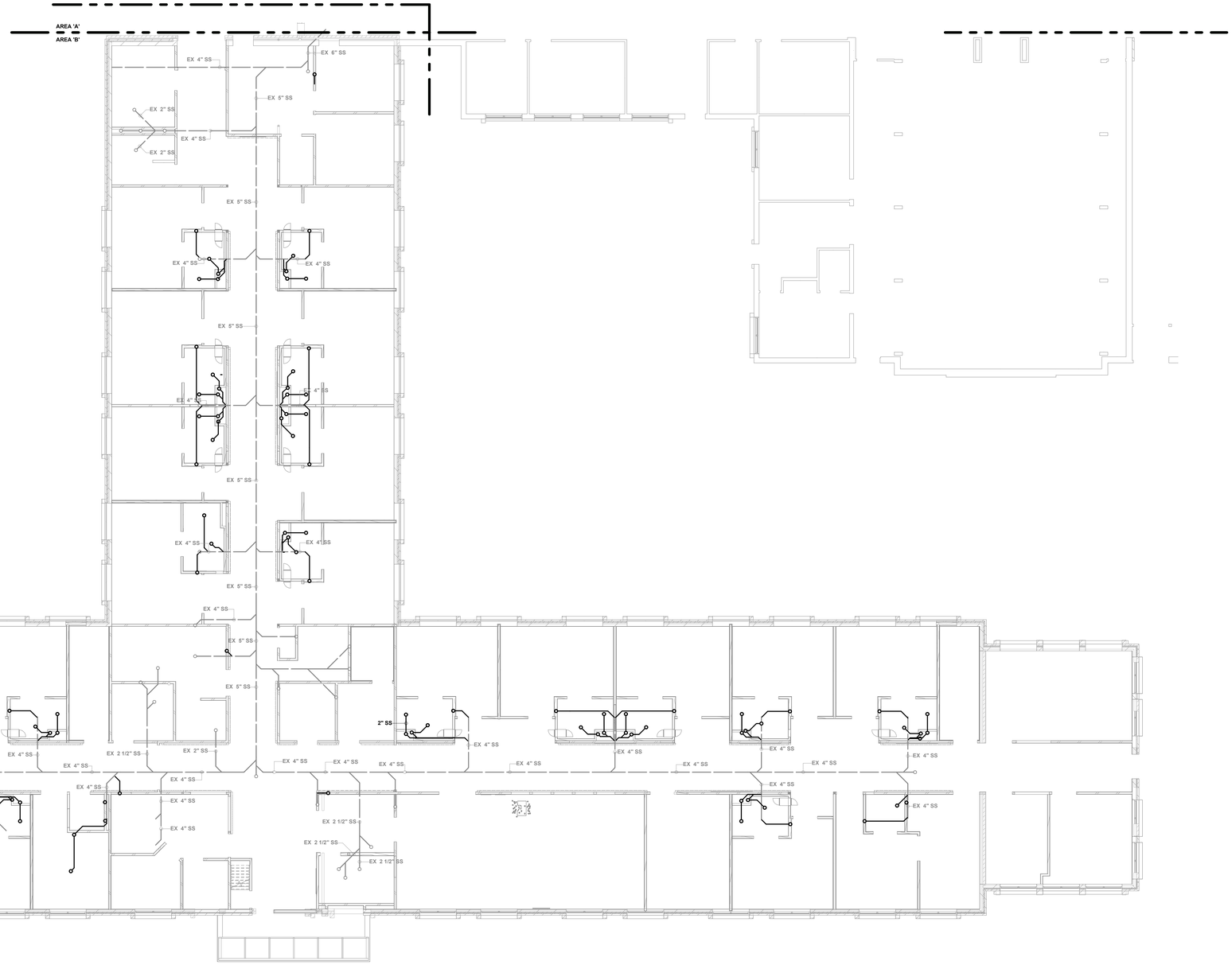
MN




AREA 'A'
AREA 'B'
EX 4" SS
EX 6" SS
EX 5" SS
EX 2" SS
EX 4" SS
EX 2" SS
EX 5" SS
EX 4" SS
EX 4" SS
EX 5" SS
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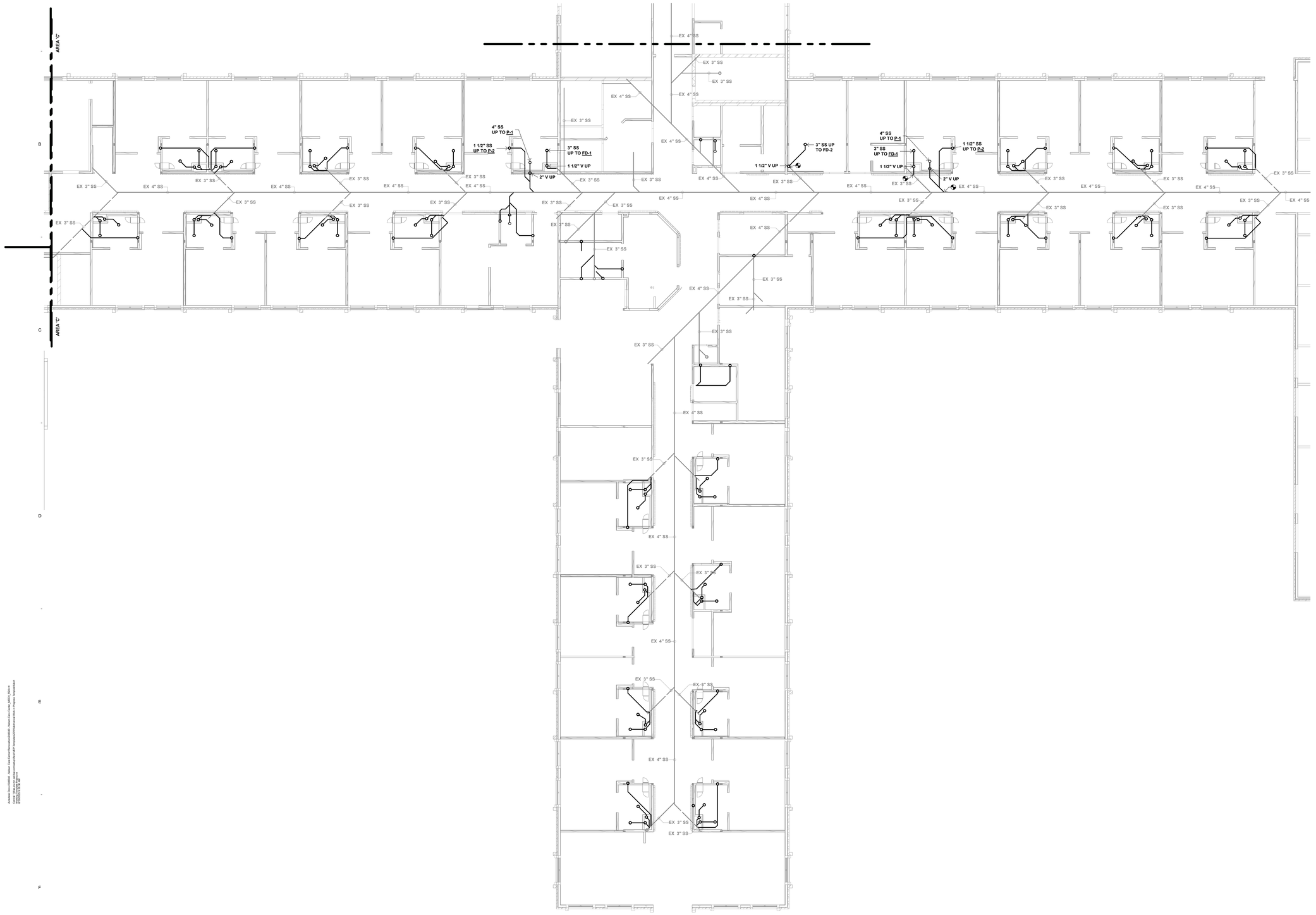
EX 5" SS
EX 5" SS
EX 4" SS
EX 4" SS
EX 4

MN



PLUMBING 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.
2. ALL RISES AND DROPS IN PIPING ARE NOT NECESSARILY SHOWN. LAYOUT ROUTING AND COORDINATE WORK WITH OTHER TRADES BEFORE CONSTRUCTION.
3. 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.
4. LOCATE ALL VALVES, METERS, GAUGES AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.
5. COORDINATE ALL UTILITY CONNECTION SIZES, LOCATIONS, AND INVERTS WITH THE SITE UTILITY CONTRACTOR.
6. INSTALL WALL HYDRANTS AT 2'-0" ABOVE FINISHED GRADE. FIELD VERIFY EXACT LOCATION.
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. REFER TO PLUMBING RISER DIAGRAMS FOR ADDITIONAL PIPE SIZES NOT SHOWN ON DRAWING.
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.

PLUMBING PLAN KEYED NOTES:

1. FLOOR CUTTING BY OTHERS. REFER TO ARCHITECTURAL DRAWINGS AND COORDINATE AS NECESSARY.
2. CONNECT 3/4" CW TO HUMIDIFIER.
3. INSTALL 3/4" ASSE 1056 SPILL RESISTANT PRESSURE VACUUM BREAKERS ON CW AND HW PIPES TO SPA TUB.

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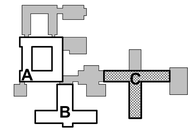

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Comm: **246040**
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Drawn: **MZ**
Check: **BE**

North

UNDERGROUND PLUMBING PLAN - AREA 'C'

Scale: **As indicated**

M2.00c

100% CD SET

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

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_MEP.rvt
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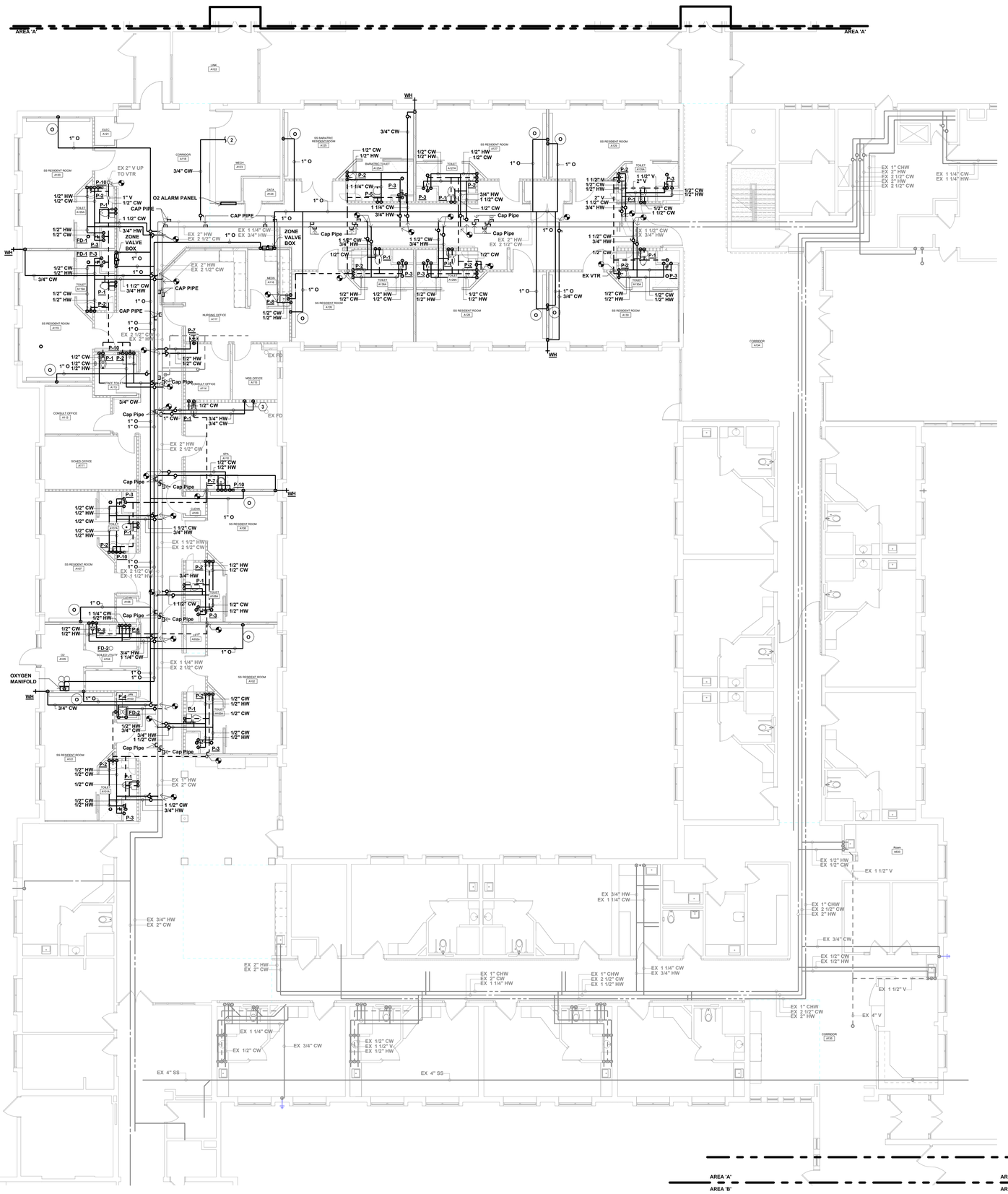

F2 MAIN LEVEL PLUMBING PLAN - AREA 'A'
1/8" = 1'-0"

PLUMBING PLAN GENERAL NOTES:

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5. COORDINATE ALL UTILITY CONNECTION SIZES, LOCATIONS, AND INVERTS WITH THE SITE UTILITY CONTRACTOR.
6. INSTALL WALL HYDRANTS AT 2'-0" ABOVE FINISHED GRADE. FIELD VERIFY EXACT LOCATION.
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PLUMBING PLAN KEYED NOTES:

1. FLOOR CUTTING BY OTHERS. REFER TO ARCHITECTURAL DRAWINGS AND COORDINATE AS NECESSARY.
2. CONNECT 3/4" CW TO HUMIDIFIER.
3. INSTALL 3/4" ASSE 1056 SPILL RESISTANT PRESSURE VACUUM BREAKERS ON CW AND HW PIPES TO SPA TUB.

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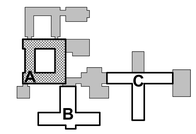
KEY PLAN



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Comm: **246040**
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Check: **BE**

North

MAIN LEVEL PLUMBING PLAN - AREA 'A'

Scale: **As Indicated**

M2.02a

100% CD SET

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_MEP(for_BE).rvt
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MN

PLUMBING PLAN KEYED NOTES:

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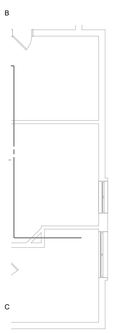
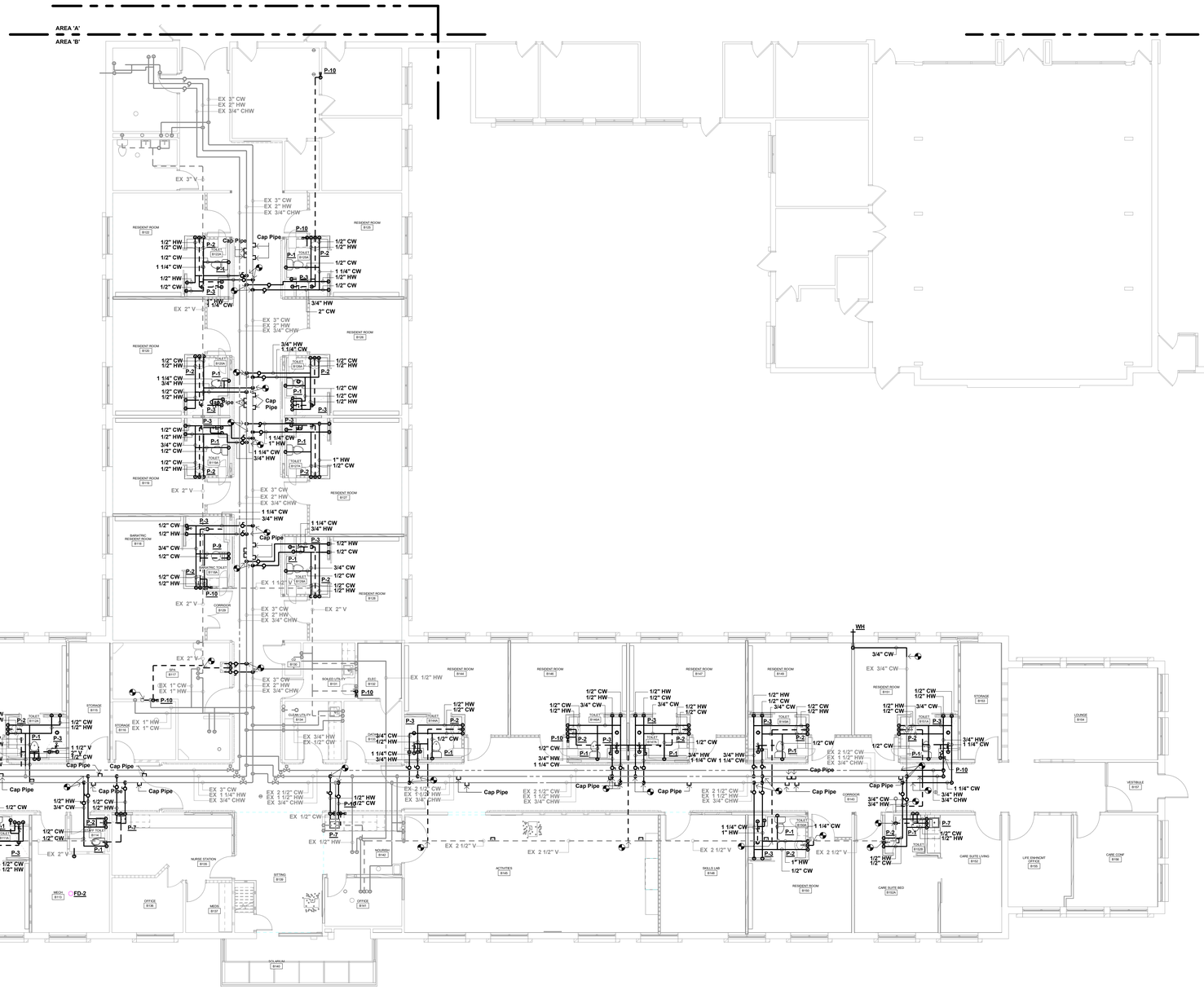
8. REFER TO PLUMBING RISER DIAGRAMS FOR ADDITIONAL PIPE SIZES NOT SHOWN ON DRAWING.

PLUMBING PLAN GENERAL NOTES (CONT.):

9. PROVIDE AND INSTALL ALL LOW VOLTAGE WIRING TO ELECTRONIC PLUMBING FIXTURES IN A CONTINUOUS RACEWAY SYSTEM TO CONFORM TO ALL DIVISION 26 REQUIREMENTS. WORK TO INCLUDE TRANSFORMERS AS NECESSARY FOR THE CONNECTED QUANTITY OF FIXTURES, WIRING, CONDUIT, JUNCTION BOXES, AND FINAL CONNECTIONS. THE ELECTRICAL CONTRACTOR WILL PROVIDE 120/1 VOLT POWER AND CONNECTIONS TO LINE VOLTAGE SIDE OF THE TRANSFORMER. REFER TO THE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

10. 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.





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

M

100% CD SET

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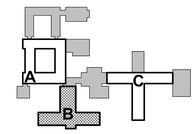

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Brian Evan
Brian Evan
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Revisions		
Description	Date	Num

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

North

MAIN LEVEL PLUMBING PLAN - AREA 'B'

Scale: **As Indicated**

M2.02b

Architect Docs:C:\Wold - Nelson Care Center Renovation\Revit\Nelson_Master Central Center_MEP.rvt
Central - Plumbing.rvt
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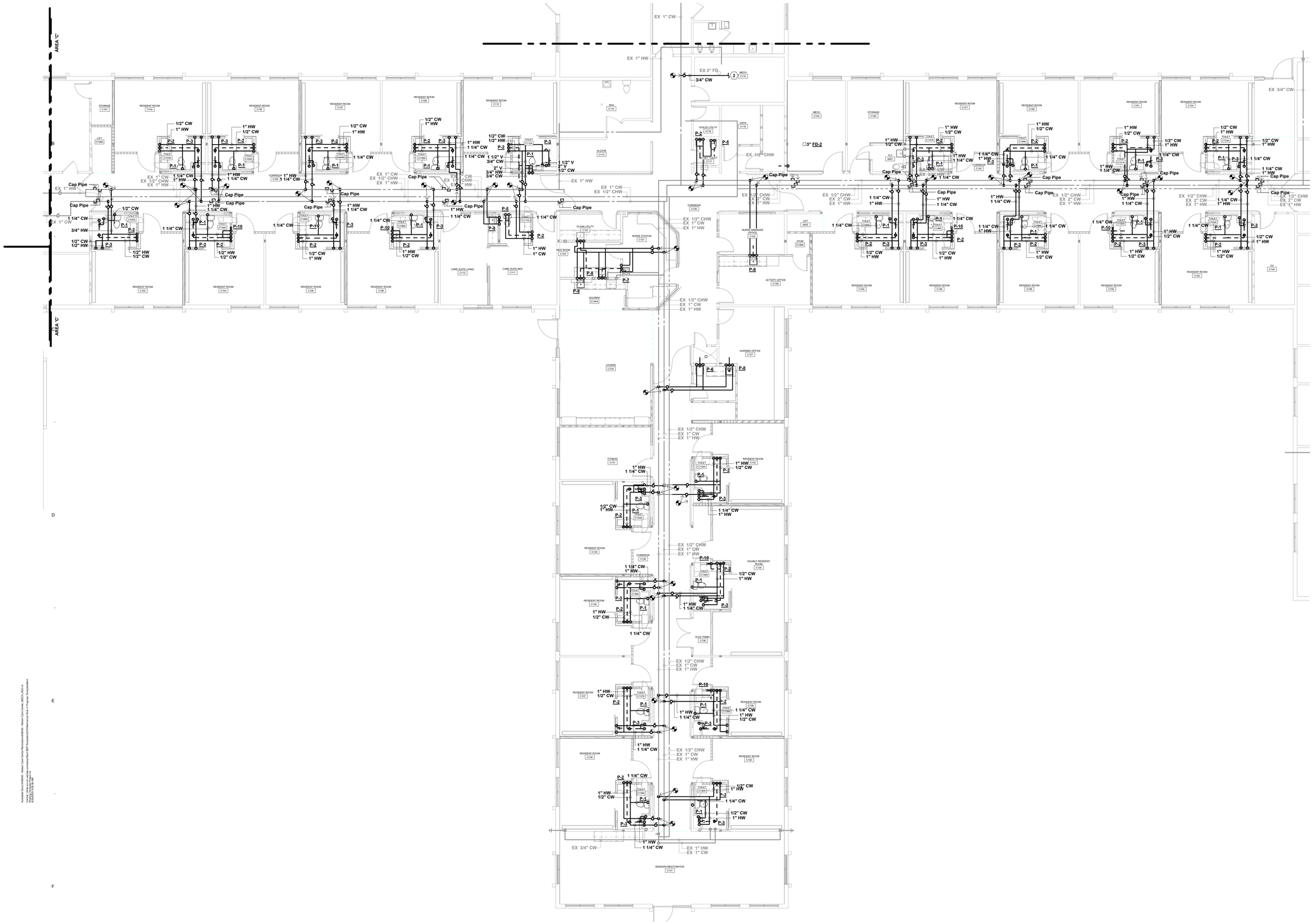
MN


AREA 'C'
AREA 'C'
EX 1" CW
EX 1" HW
EX 3" FD
3/4" CW
MECH C105
SOILED UTILITY C116
DATA C118
SPA C114
ALCOVE C103
MECH C140
STORAGE C145
EX 1/2" CHW
3" FD-2
P-2
P-5
Cap Pipe
EX 1/2" CHW
EX 2" CW
EX 1" HW
EX 1" CW
EX 3/4" CW
RESIDENT ROOM C102
RESIDENT ROOM C103
RESIDENT ROOM C104
RESIDENT ROOM C105
RESIDENT ROOM C106
RESIDENT ROOM C107
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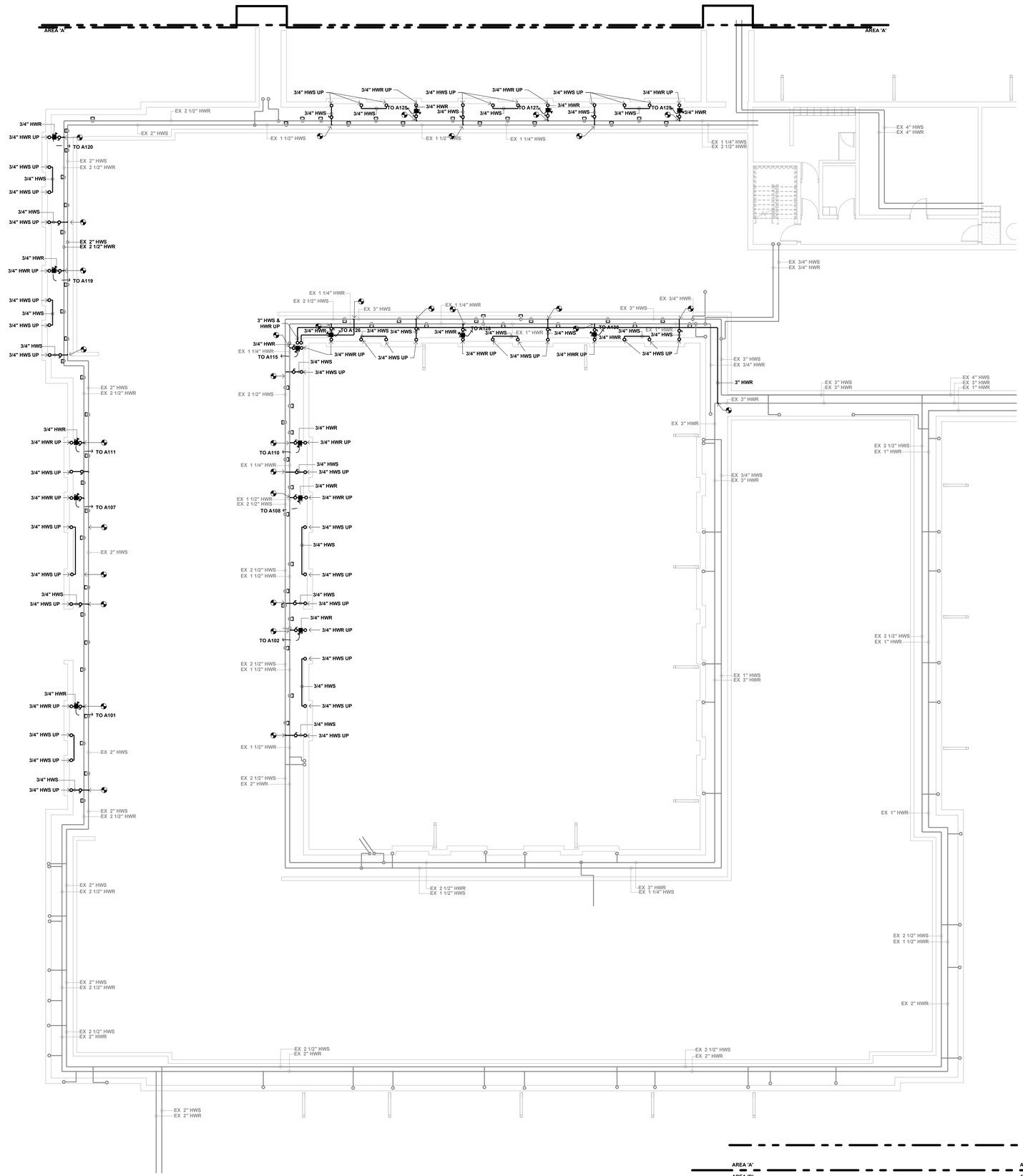
RESIDENT ROOM



F2 TUNNEL 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.

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HYDRONIC PLAN KEYED NOTES:

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

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Revisions		
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North

TUNNEL HYDRONIC AND BAS PLAN - AREA 'A'

Scale: **As indicated**

M3.01a

100% CD SET

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_detCtr_2025.rvt
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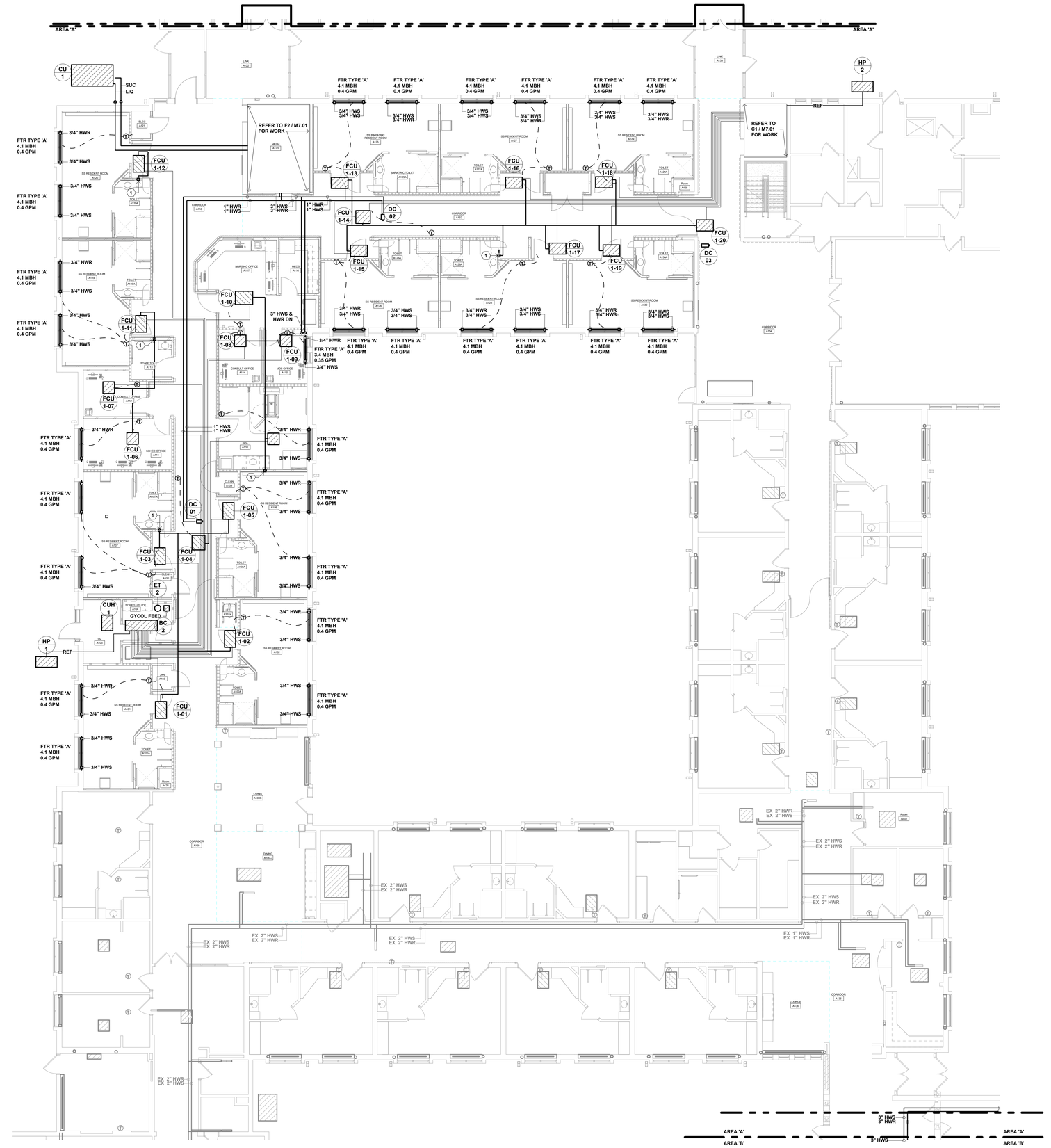

F2 MAIN LEVEL HYDRONIC AND BAS PLAN - AREA 'A'
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HYDRONIC PLAN KEYED NOTES:

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

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_R22.rvt
Central Time (Daylight Saving Time)
8/29/2025 3:57:36 AM

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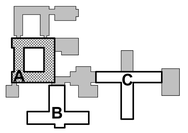

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North

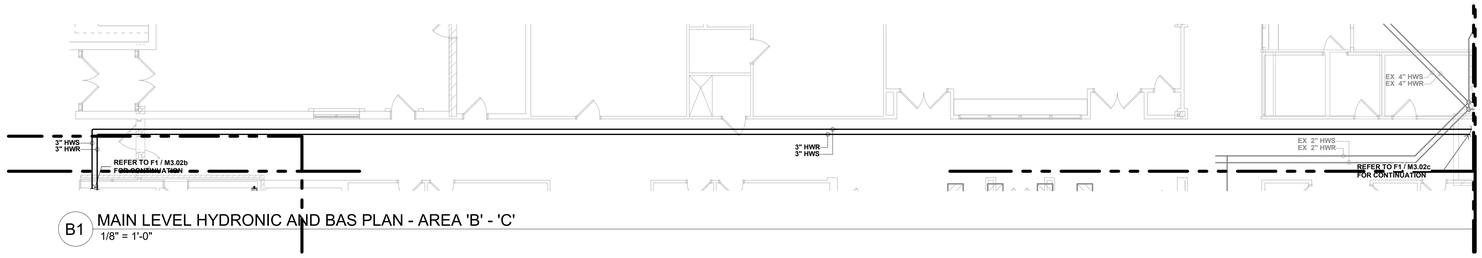
MAIN LEVEL HYDRONIC AND BAS PLAN - AREA 'A'

Scale: As Indicated

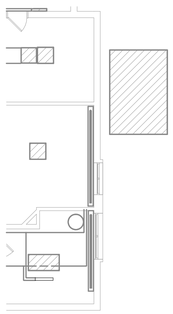
100% CD SET

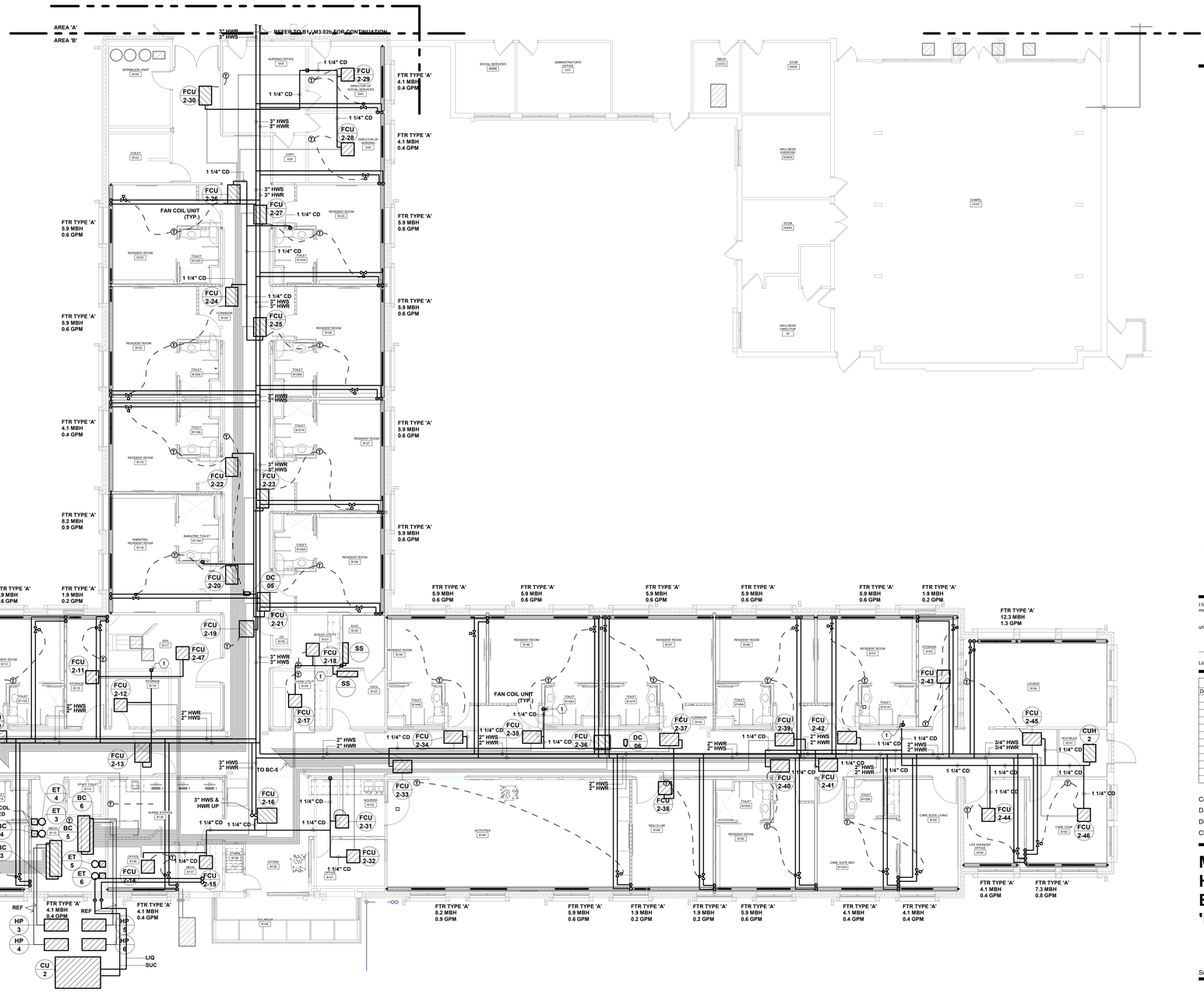
M3.02a

MN



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





F1 MAIN LEVEL HYDRONIC AND BAS PLAN - AREA 'B'
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.
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.

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KEY PLAN

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under the laws of the State of **MINNESOTA**

Brian Evan

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

Revisions		
Description	Date	Num.

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

North

MAIN LEVEL HYDRONIC AND BAS PLAN - AREA 'B'

Scale: As indicated

100% CD SET

M3.02b

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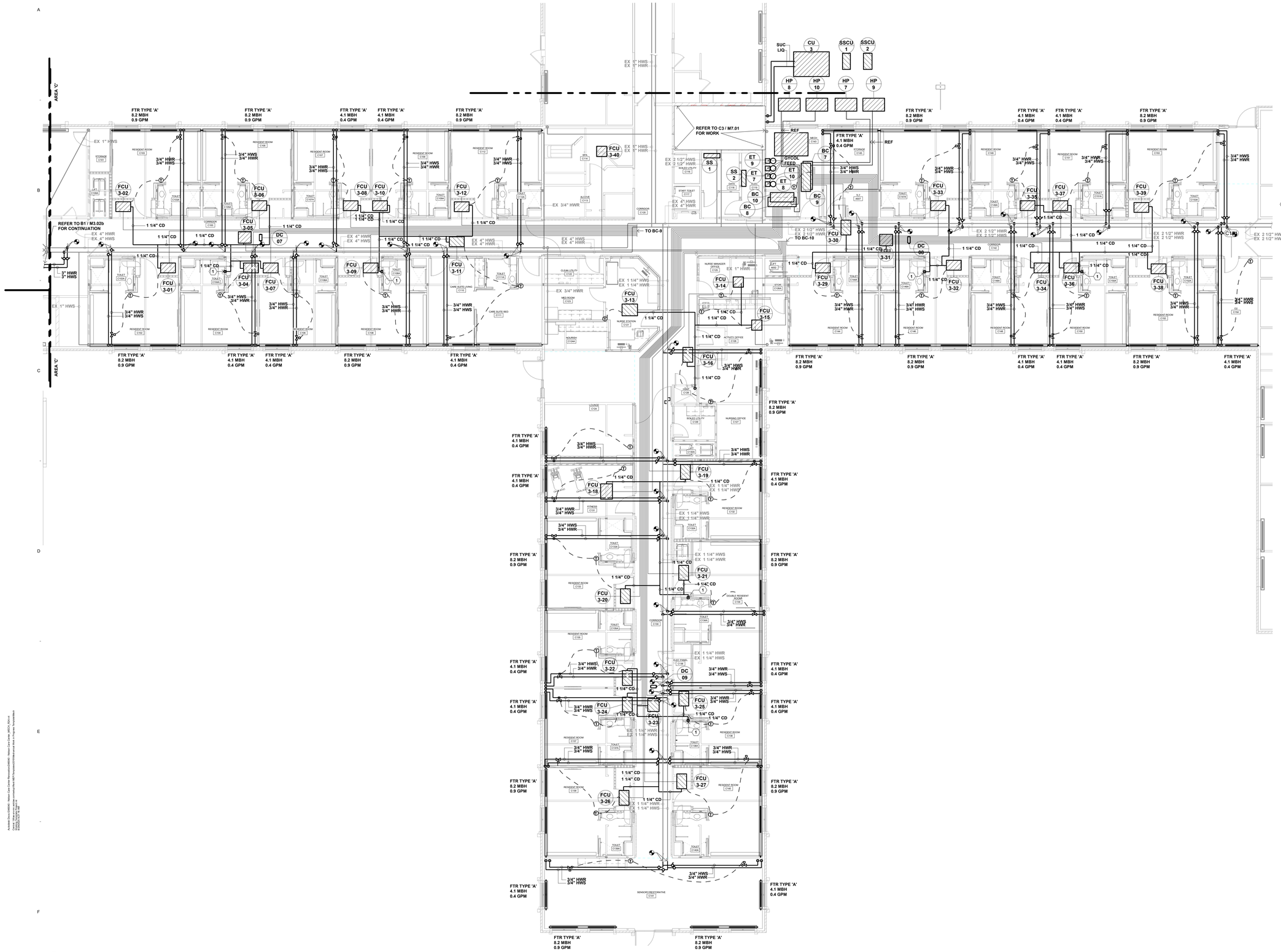

HYDRONIC PLAN GENERAL NOTES:

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3. LOCATE ALL VALVES, METERS, GAUGES, AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.
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HYDRONIC PLAN KEYED NOTES:

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

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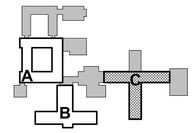

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Drawn: **MZ**
Check: **BE**

North

MAIN LEVEL HYDRONIC AND BAS PLAN - AREA 'C'

Scale: **As Indicated**

M3.02c

100% CD SET

M

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

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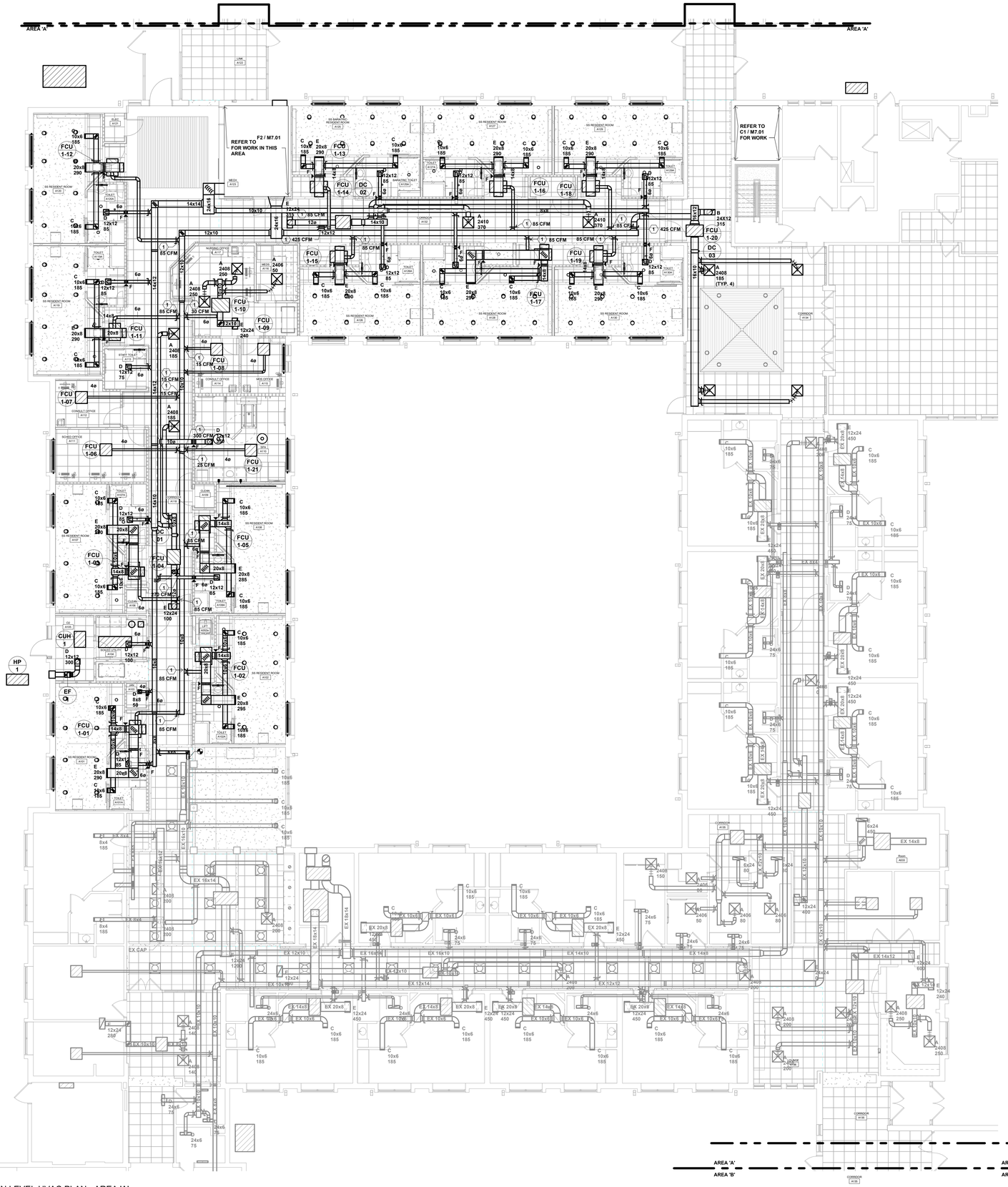

F2 MAIN LEVEL HVAC PLAN - AREA 'A'
1/8" = 1'-0"

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.
10. 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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HVAC PLAN KEYED NOTES:

1. BALANCE TO CFM INDICATED.

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

Revisions		
Description	Date	Num.

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

MAIN LEVEL HVAC PLAN - AREA 'A'

Scale: As Indicated

M4.02a

100% CD SET

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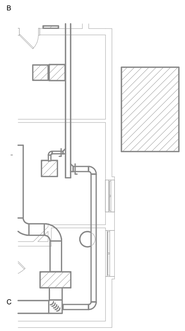

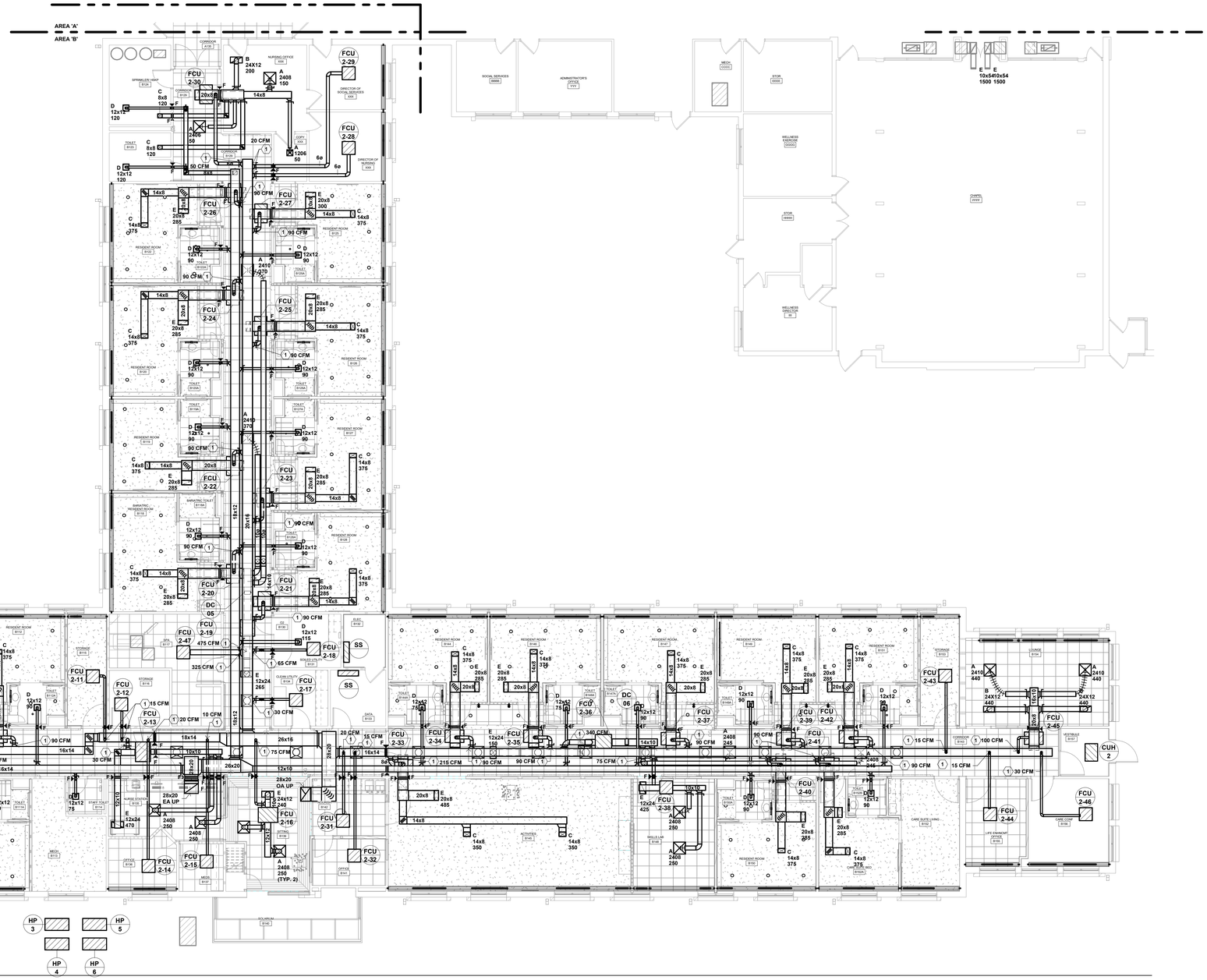

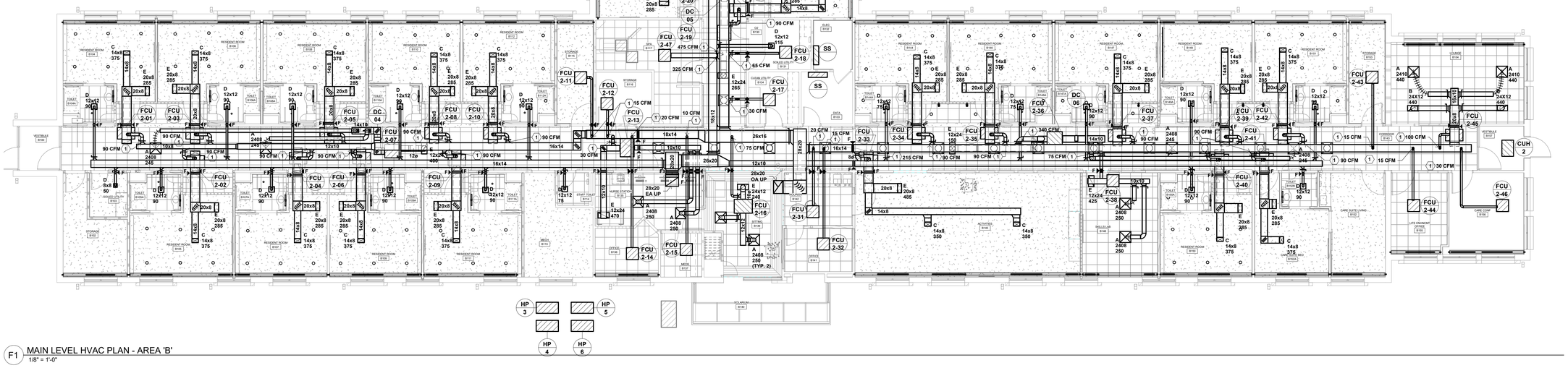

F1 MAIN LEVEL HVAC PLAN - AREA 'B'
1/8" = 1'-0"

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.

8. 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.

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

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.

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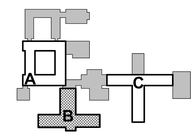

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Brian Evan
License Number: 54354 Date 08/29/2025

Revisions		
Description	Date	Num

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

North

MAIN LEVEL HVAC PLAN - AREA 'B'

Scale: As Indicated

M4.02b

100% CD SET

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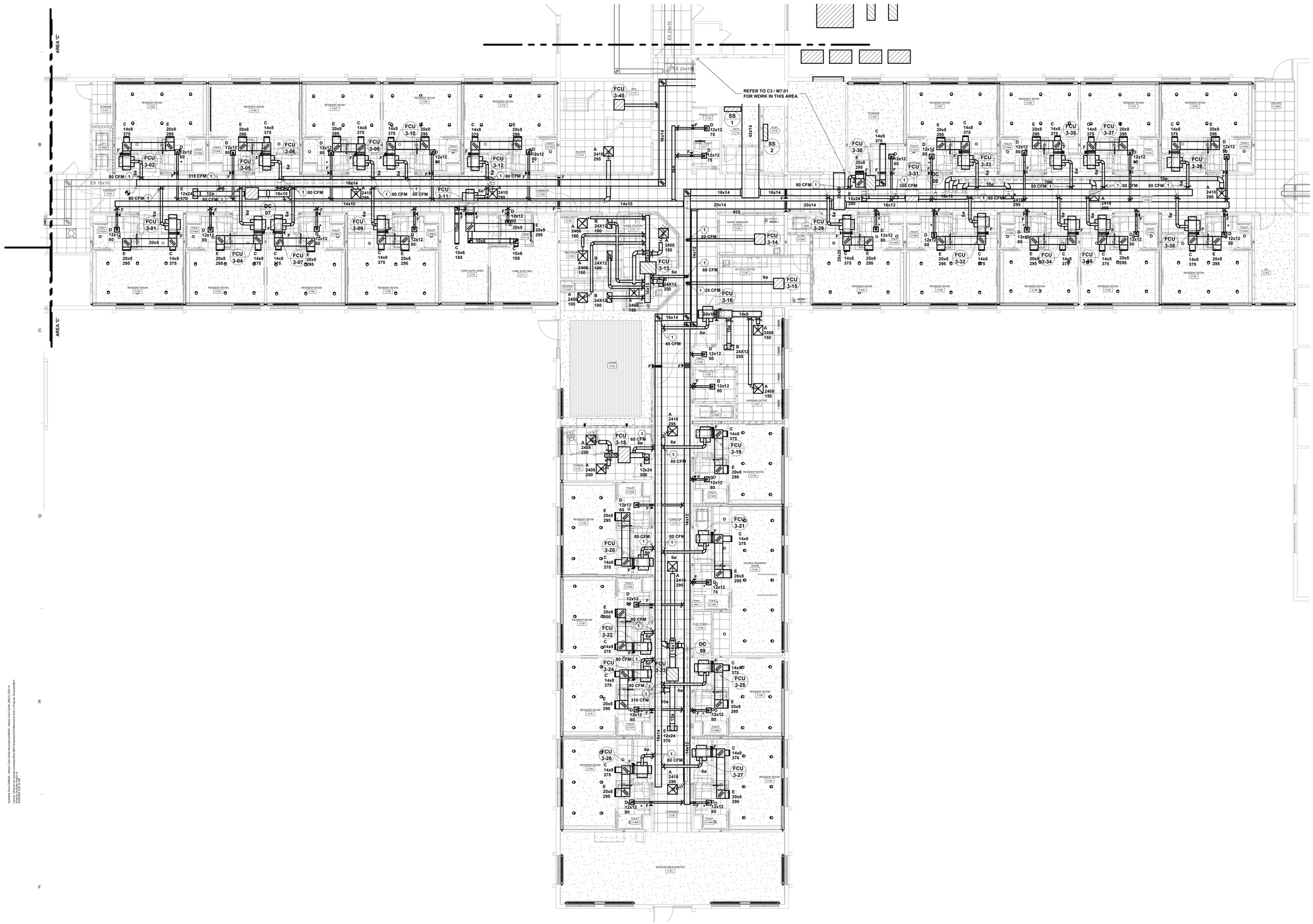

HVAC PLAN GENERAL NOTES:

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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"

100% CD SET

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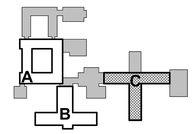

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Revisions		
Description	Date	Num

Comm: **246040**
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Check: **BE**

North

MAIN LEVEL HVAC PLAN - AREA 'C'

Scale: **As Indicated**

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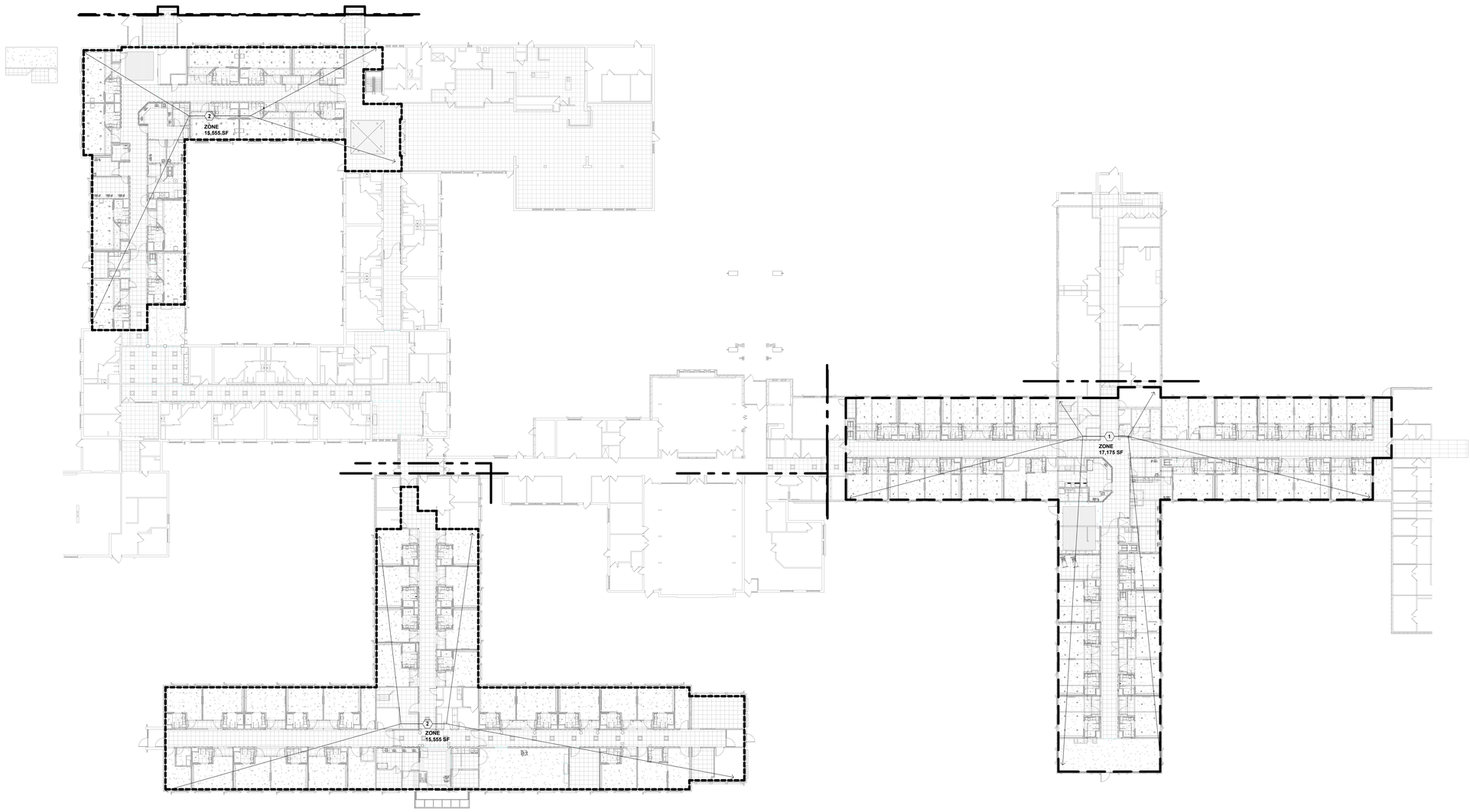

F1 MAIN LEVEL FIRE PROTECTION PLAN
3/64" = 1'-0"

FIRE PROTECTION PLAN GENERAL NOTES:

1. NO PIPING SHALL BE SUPPORTED FROM JOIST BRIDGING OR OTHER PIPING, DUCTWORK, OR CONDUIT.

2. ALL PIPING SHALL BE SUPPORTED FROM TOP CORDS OF JOISTS OR FROM CONCRETE DECKING BY APPROVED MEANS.

3. FIRE PROTECTION CONTRACTOR IS REQUIRED TO PROVIDE SLEEVES FOR ALL PIPING PENETRATIONS OF FIRE RESISTIVE OR SMOKE TIGHT WALLS AND FLOOR OPENINGS. SEAL ALL PIPE PENETRATION OPENINGS AND FIRE CAULK ALL SLEEVE LOCATIONS AS REQUIRED TO MAINTAIN RATING. REFER TO ARCHITECTURAL CODE PLAN FOR RATING LOCATIONS.

4. ALL SPRINKLER PIPING WITH LAY-IN ACOUSTIC, OR GYPSUM BOARD, CEILINGS SHALL BE ROUTED ABOVE THE CEILING.

5. DO NOT RUN SPRINKLER PIPE NEAR INTAKE LOUVER OR FRESH AIR INTAKES.

6. PROVIDE AN INSPECTORS TEST AT REMOTE POINT FOR EACH ZONE. ROUTE TEST AND DRAIN PIPES TO GRADE. PIPES ROUTED TO GRADE SHALL TERMINATE WITH A BRASS DRAIN FITTING. EXPOSED GALVANIZED PIPE IS NOT ACCEPTABLE.

7. FIRE PROTECTION CONTRACTOR TO CONDUCT A FLOW TEST AT HYDRANT NEAREST BUILDING AND RECORD WATER MAIN SIZE, STATIC AND RESIDUAL PRESSURES, AND G.P.M. FLOW. CONTACT AND COORDINATE FLOW TIME WITH CITY WATER DEPARTMENT. SEE SPEC SECTION 21 10 00, PARAGRAPH 1.04.

8. HEADS SHALL BE LOCATED WITHIN 2" OF CENTER OR QUARTER POINTS OF 2'x4' CEILING TILES AND WITHIN 2" OF CENTER OF 2'x2' CEILING TILES.

9. PROVIDE SPRINKLER HEADS BELOW ALL DUCTWORK THAT CREATES AN OBSTRUCTION TO SPRAY PATTERN AND ALL DUCTWORK GREATER THAN 48" WIDE.

10. FURNISH AND INSTALL PERMANENT PLASTIC LAMINATED SIGNS TO IDENTIFY EACH SPRINKLER VALVE, THE AREA IT CONTROLS, AND HYDRAULIC DESIGN DATA.

11. FURNISH AND INSTALL PERMANENT PLASTIC LAMINATE SIGN TO IDENTIFY INSPECTOR TEST CONNECTIONS AND THE ZONE IT SERVES.

12. THE INSTALLATION OF THE FIRE PROTECTION SYSTEM SHALL CONFORM TO I.S.O. AND N.F.P.A. REQUIREMENTS.

13. COORDINATE ALL FIRE PROTECTION PIPING WITH OTHER TRADES. COORDINATION SHALL BE THE RESPONSIBILITY OF THE FIRE PROTECTION CONTRACTOR.

14. ALL AREAS SHALL BE LIGHT HAZARD EXCEPT AS FOLLOWS. REFER TO ARCHITECTURAL FLOOR PLANS FOR ROOM TYPES.
ORDINARY GROUP I
JANITORS CLOSET
MECHANICAL ROOMS

ORDINARY GROUP II
KITCHEN AND SERVING AREA
STORAGE ROOMS
BOILER ROOM

15. ELECTRICAL ROOMS (ALL VOLTAGES) TO BE SPRINKLED AND BE PROVIDED WITH SHIELDING.

16. ALL SPRINKLER HEADS INSTALLED 7'-0" OR LESS SHALL HAVE HEAVY DUTY PROTECTIVE GUARDS.

17. 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.

FIRE PROTECTION PLAN KEYED NOTES:

1 REMOVE EXISTING SYSTEM AS NECESSARY TO PROVIDE COVERAGE IN ACCORDANCE WITH ALL NFPA AND CODE REQUIREMENTS. FIELD VERIFY EXACT CONFIGURATION AND EXACT SIZES OF EXISTING SSYTEM. PROVIDE HYDRAULIC AND SSYTEM CALCULATIONS BASED UPON AS-BUILT CONDITIONS TO SERVE SYSTEM. PROVIDE NEW SPRINKLER HEADS.

2 REMOVE EXISTING WET-TYPE SYSTEM AND PROVIDE ALL NEW PIPING MAINS, BRANCHES, DROPS, AND HEADS. PROVIDE COVERAGE IN ACCORDANCE WITH NFPA AND CODE REQUIREMENTS. FIELD VERIFY EXISTING ZONING AND INCLUDE ON SHOP SUBMITTAL.

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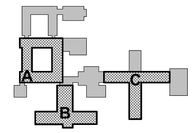
Minneapolis, Minnesota 55402
woldae.com | 612 772 9025



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

Brian Evan

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

Revisions		
Description	Date	Num

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

North

MAIN LEVEL FIRE PROTECTION PLAN

Scale: As Indicated

100% CD SET

M5.02

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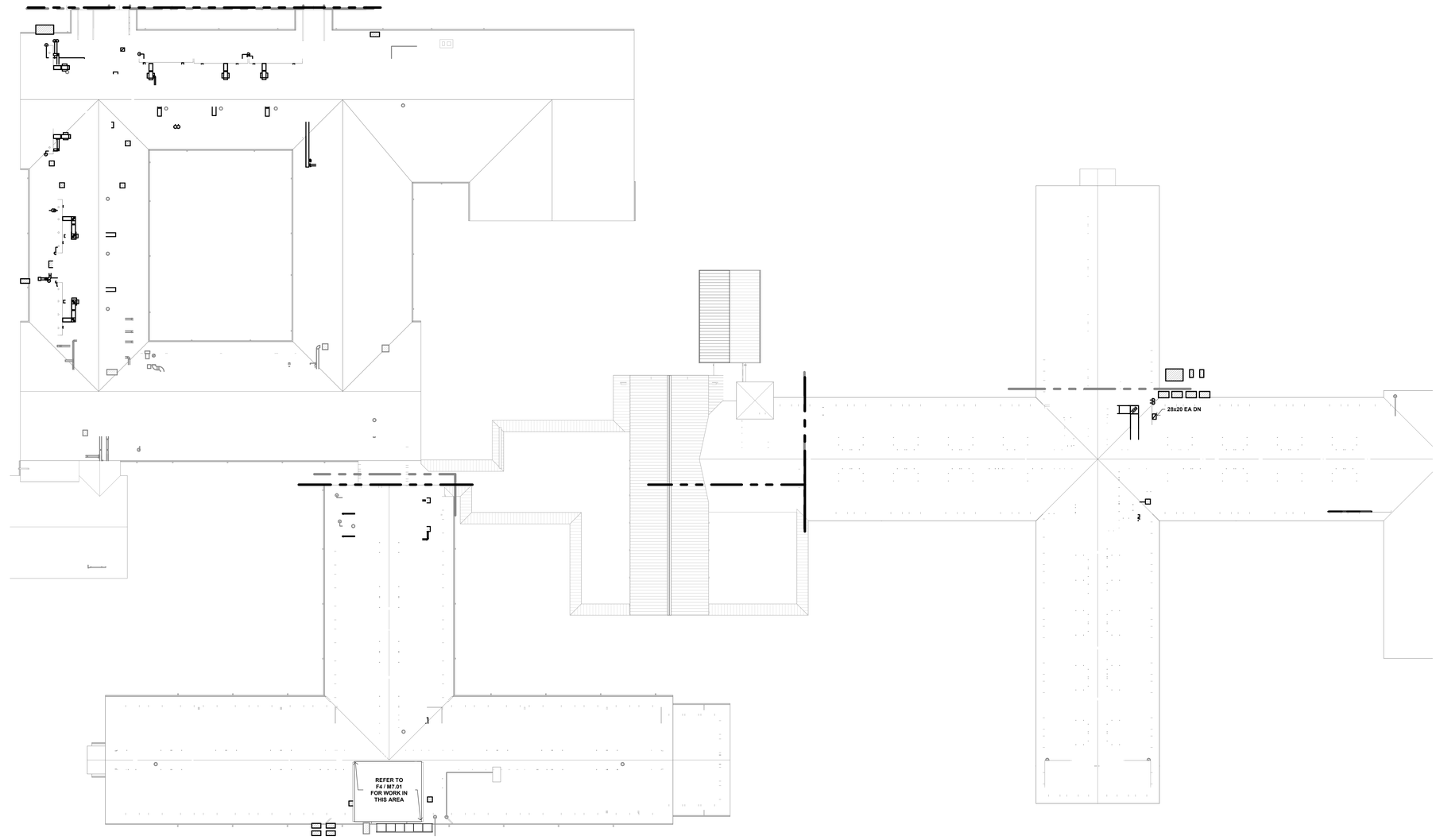

F1 ROOF PLAN NEW WORK
3/64" = 1'-0"

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.

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.

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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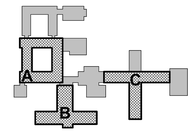

KEY PLAN

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

Revisions		
Description	Date	Num

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

North

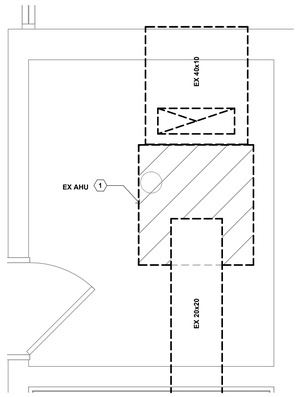
ROOF PLAN

Scale: As Indicated

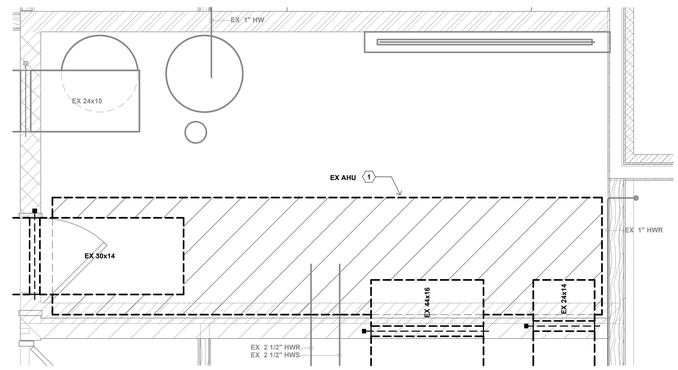
100% CD SET

M6.00

MN



C3 SHORT STAY EXISTING MECHANICAL ROOM - DEMOLITION PLAN
1/2" = 1'-0"



C5 PINES MECHANICAL ROOM - DEMOLITION PLAN
1/2" = 1'-0"

DEMOLITION MECHANICAL/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.

3. 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.

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.

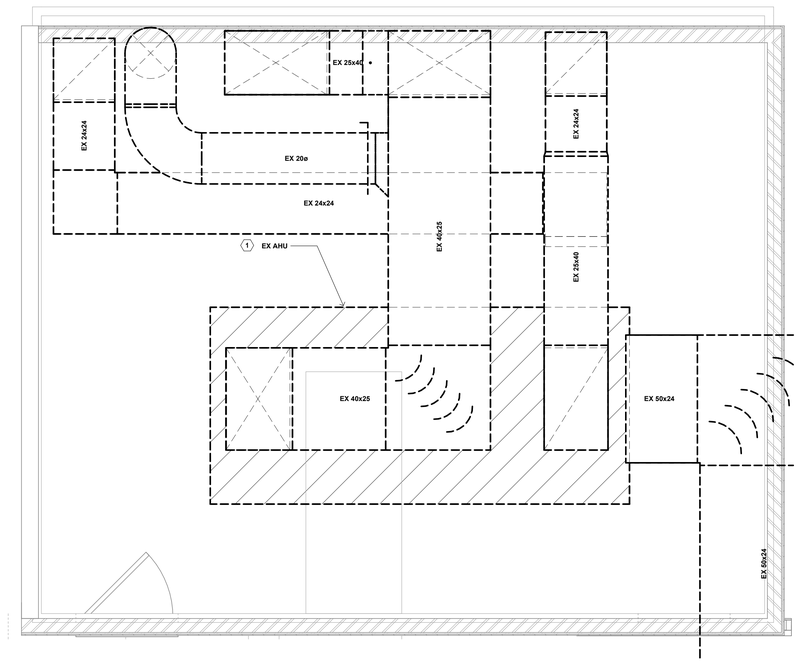
7. VARIABLE FREQUENCY DRIVES ARE PROVIDED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

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.

DEMOLITION MECHANICAL/PENTHOUSE PLAN KEYED NOTES:

1 REMOVE EXISTING AHU AND ALL ASSOCIATED DUCTWORK, PIPING, COMPONENTS, ACCESSORIES, HANGERS, AND SUPPORTS.



F5 MAPLES PENTHOUSE - DEMOLITION PLAN
1/2" = 1'-0"

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

Revisions		
Description	Date	Num

Comm: **246040**
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Drawn: **Author**
Check: **BE**
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MECHANICAL ROOM DEMOLITION PLANS

Scale: **As indicated**

M7.00

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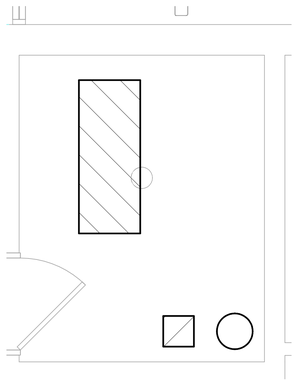
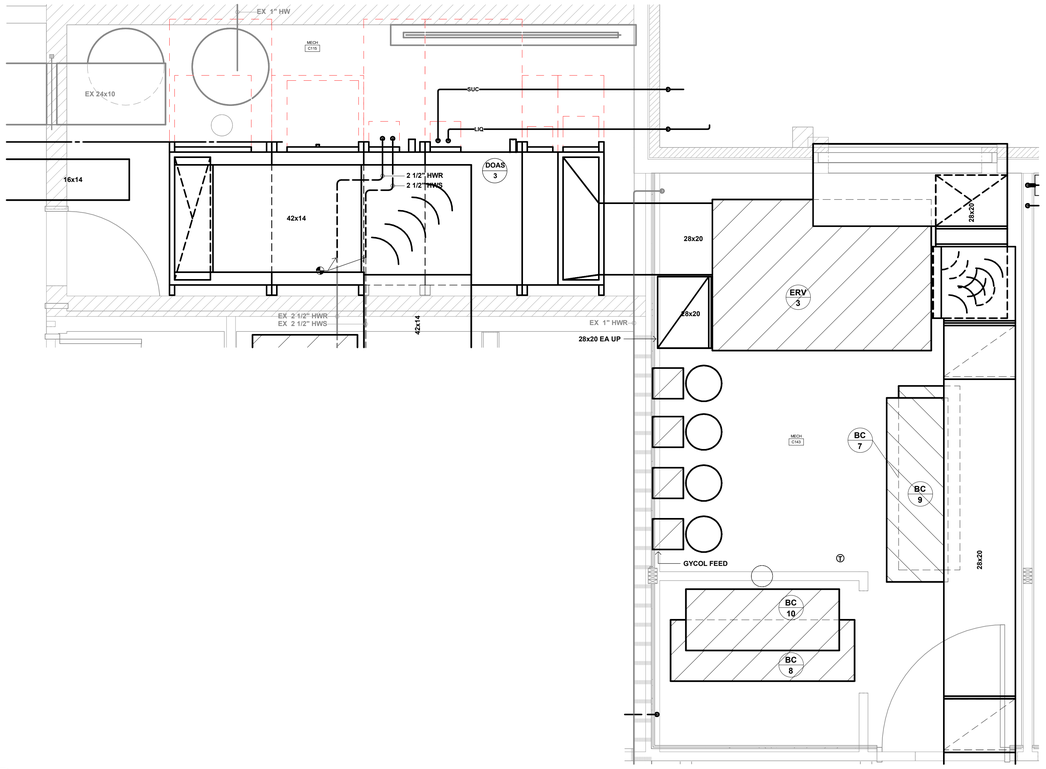


C1 SHORT STAY EXISTING MECHANICAL ROOM - NEW WORK PLAN
1/2" = 1'-0"



C3 PINES MECHANICAL ROOM - 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.

3. 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.

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.

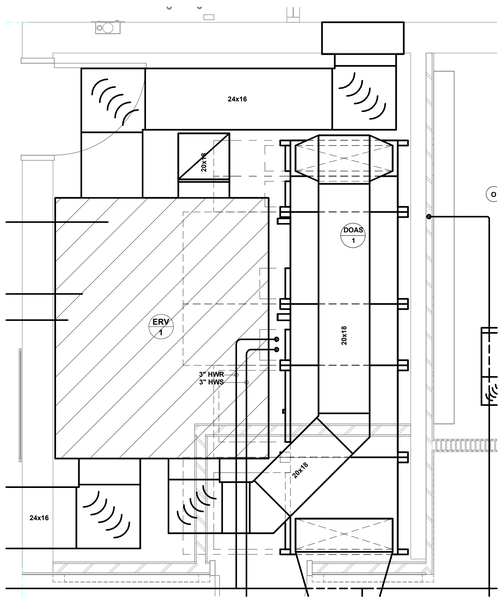
7. VARIABLE FREQUENCY DRIVES ARE PROVIDED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR.

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

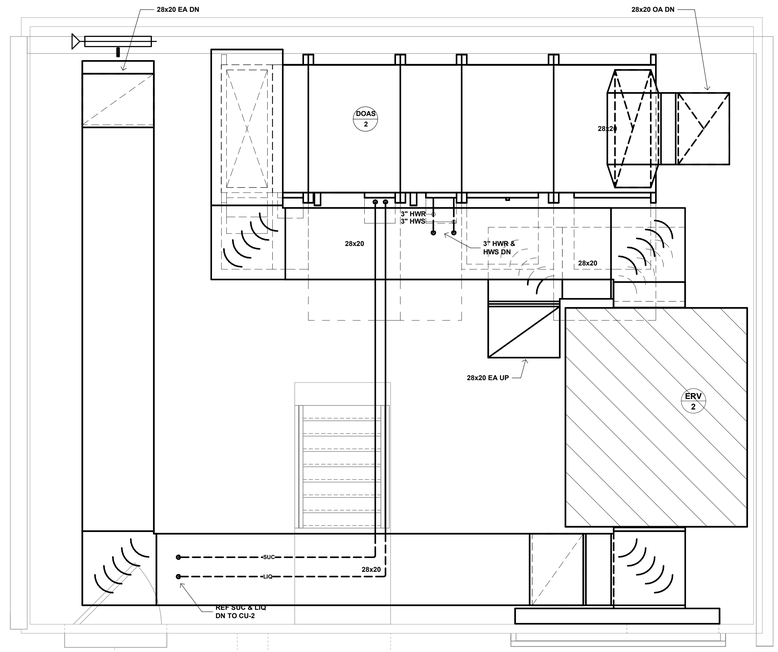
9. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED REINFORCEMENT OF NEW AND EXISTING STRUCTURAL MEMBERS FOR MECHANICAL SYSTEMS. REFER TO "MECHANICAL SUPPORT REINFORCEMENT DETAIL" FOR ADDITIONAL REQUIREMENTS.

PENTHOUSE PLAN KEYED NOTES:

1



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



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

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100% CD SET

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Nelson Care Center Renovation

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

Revisions		
Description	Date	Num

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

MECHANICAL ROOM NEW WORK PLANS

Scale: **As indicated**

M7.01

MN

PLUMBING 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.

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

3. 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.

4. LOCATE ALL VALVES, METERS, GAUGES AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.

5. COORDINATE ALL UTILITY CONNECTION SIZES, LOCATIONS, AND INVERTS WITH THE SITE UTILITY CONTRACTOR.

6. INSTALL WALL HYDRANTS AT 2'-0" ABOVE FINISHED GRADE. FIELD VERIFY EXACT LOCATION.

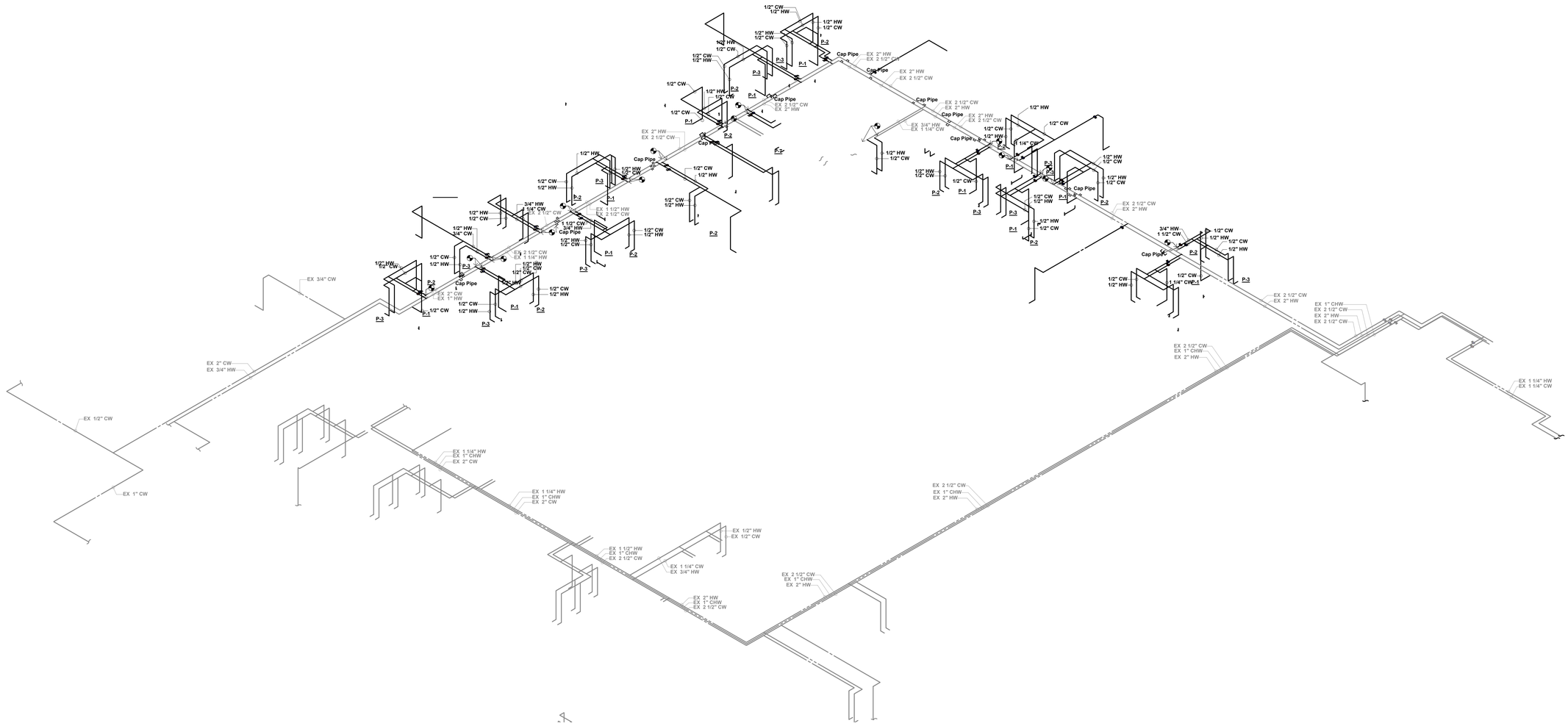
7. THE MECHANICAL CONTRACTOR SHALL REMOVE ALL EXISTING CEILING TILES AND GRIDS BEYOND EXTENT SHOWN ON ARCHITECTURAL PLANS AS REQUIRED FOR INSTALLATION OF NEW WORK. ANY DAMAGED TILES AND OR GRIDS SHALL BE REPLACED WITH NEW TO MATCH AT THE CONTRACTORS EXPENSE.

8. REFER TO PLUMBING RISER DIAGRAMS FOR ADDITIONAL PIPE SIZES NOT SHOWN ON DRAWING.

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.

PLUMBING PLAN KEYED NOTES:

1. FLOOR CUTTING BY OTHERS. REFER TO ARCHITECTURAL DRAWINGS AND COORDINATE AS NECESSARY.
2. CONNECT 3/4" CW TO HUMIDIFIER.
3. INSTALL 3/4" ASSE 1056 SPILL RESISTANT PRESSURE VACUUM BREAKERS ON CW AND HW PIPES TO SPA TUB.



F1 SUPPLY RISER DIAGRAM - AREA 'A'
NOT TO SCALE

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Brian Evan

Brian Evan
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Revisions		
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Comm: **246040**
Date: **08/29/2025**
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SUPPLY RISER DIAGRAM - AREA 'A'

Scale: **As Indicated**

M7.20a

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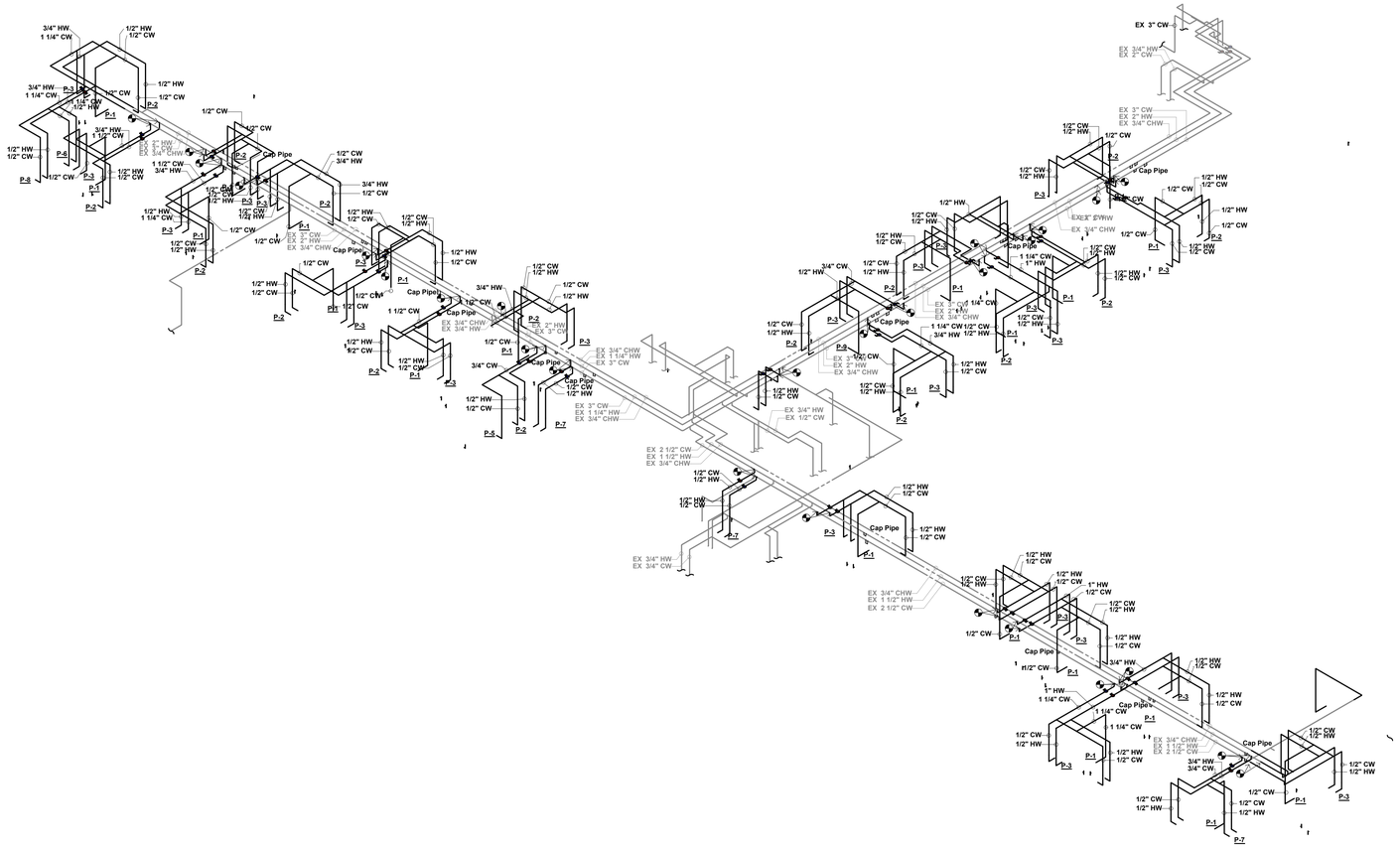

F3 SUPPLY RISER DIAGRAM - AREA 'B'
NOT TO SCALE

PLUMBING 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.

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

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4. LOCATE ALL VALVES, METERS, GAUGES AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.

5. COORDINATE ALL UTILITY CONNECTION SIZES, LOCATIONS, AND INVERTS WITH THE SITE UTILITY CONTRACTOR.

6. INSTALL WALL HYDRANTS AT 2'-0" ABOVE FINISHED GRADE. FIELD VERIFY EXACT LOCATION.

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. REFER TO PLUMBING RISER DIAGRAMS FOR ADDITIONAL PIPE SIZES NOT SHOWN ON DRAWING.

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.

PLUMBING PLAN KEYED NOTES:

1. FLOOR CUTTING BY OTHERS. REFER TO ARCHITECTURAL DRAWINGS AND COORDINATE AS NECESSARY.
2. CONNECT 3/4" CW TO HUMIDIFIER.
3. INSTALL 3/4" ASSE 1056 SPILL RESISTANT PRESSURE VACUUM BREAKERS ON CW AND HW PIPES TO SPA TUB.

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Brian Evan
Brian Evan
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Revisions		
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Comm: **246040**
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SUPPLY RISER DIAGRAM - AREA 'B'

Scale: **As Indicated**

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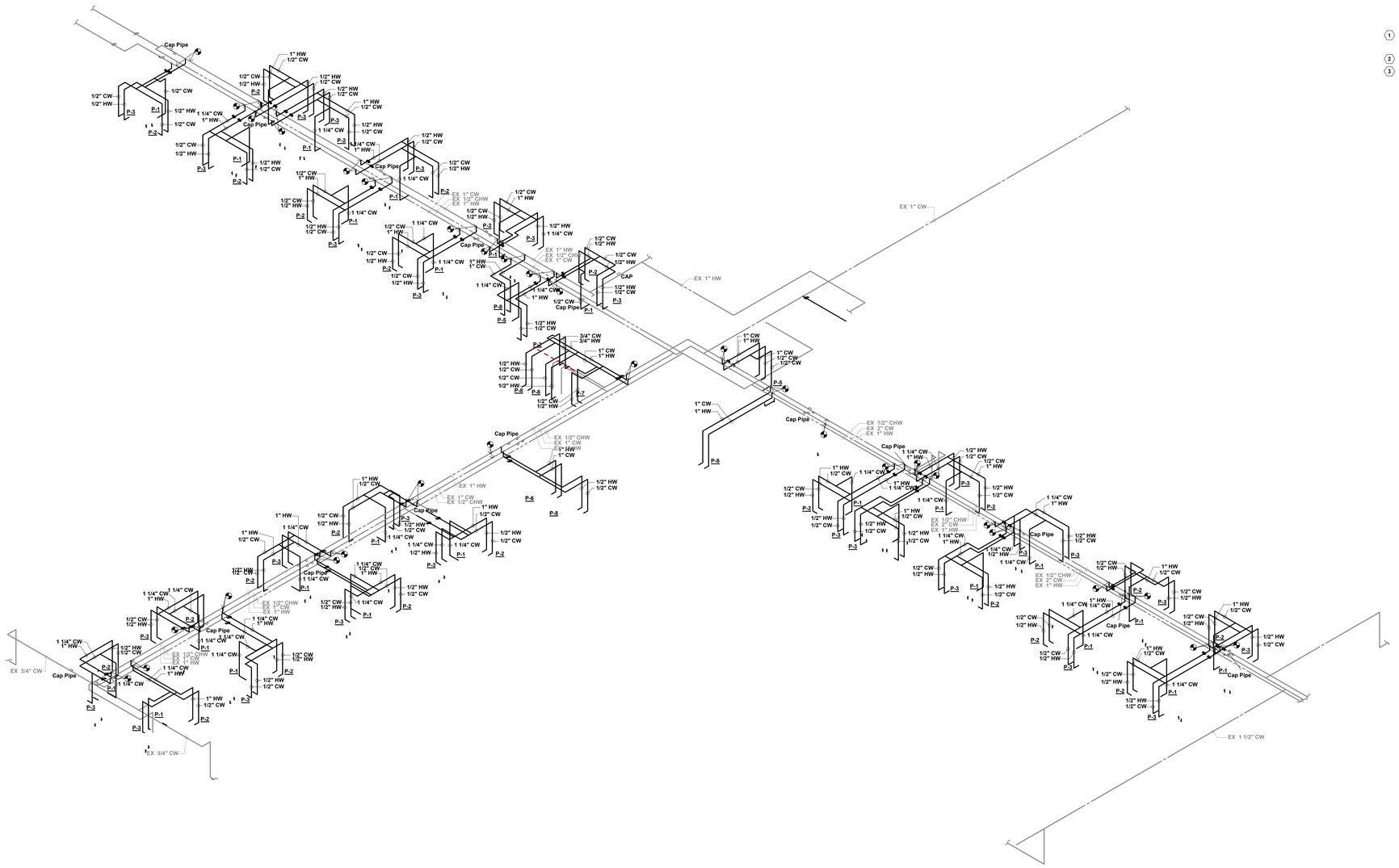

F2 SUPPLY RISER DIAGRAM - AREA 'C'
NOT TO SCALE

PLUMBING 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.

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

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4. LOCATE ALL VALVES, METERS, GAUGES AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.

5. COORDINATE ALL UTILITY CONNECTION SIZES, LOCATIONS, AND INVERTS WITH THE SITE UTILITY CONTRACTOR.

6. INSTALL WALL HYDRANTS AT 2'-0" ABOVE FINISHED GRADE. FIELD VERIFY EXACT LOCATION.

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. REFER TO PLUMBING RISER DIAGRAMS FOR ADDITIONAL PIPE SIZES NOT SHOWN ON DRAWING.

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.

PLUMBING PLAN KEYED NOTES:

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2. CONNECT 3/4" CW TO HUMIDIFIER.
3. INSTALL 3/4" ASSE 1056 SPILL RESISTANT PRESSURE VACUUM BREAKERS ON CW AND HW PIPES TO SPA TUB.

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SUPPLY RISER DIAGRAM - AREA 'C'

Scale: **As indicated**

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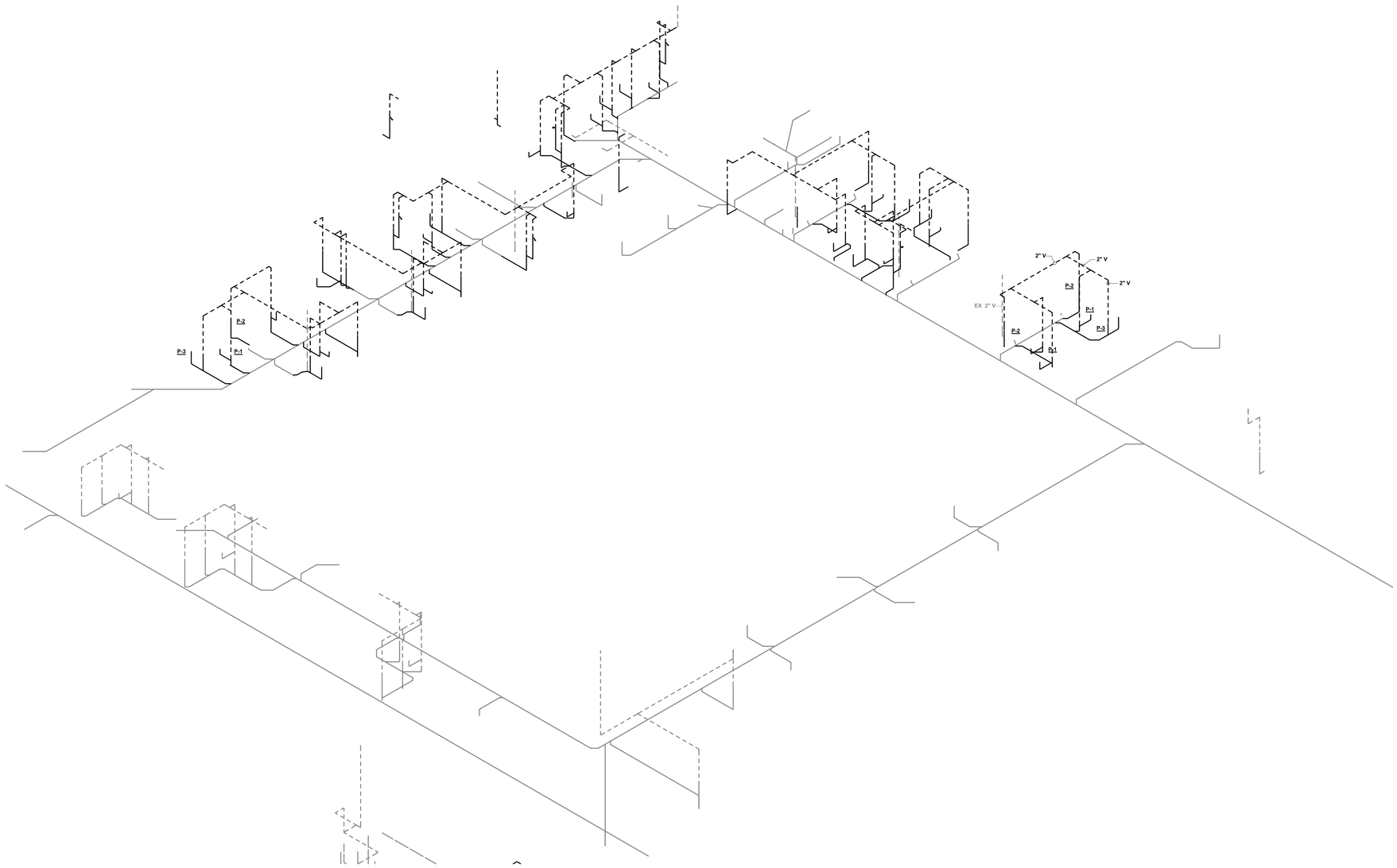

F1 WASTE AND VENT RISER DIAGRAM - AREA 'A'
NOT TO SCALE

PLUMBING 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.

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

3. 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.

4. LOCATE ALL VALVES, METERS, GAUGES AND PIPING SPECIALTIES ABOVE ACCESSIBLE CEILINGS.

5. COORDINATE ALL UTILITY CONNECTION SIZES, LOCATIONS, AND INVERTS WITH THE SITE UTILITY CONTRACTOR.

6. INSTALL WALL HYDRANTS AT 2'-0" ABOVE FINISHED GRADE. FIELD VERIFY EXACT LOCATION.

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. REFER TO PLUMBING RISER DIAGRAMS FOR ADDITIONAL PIPE SIZES NOT SHOWN ON DRAWING.

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.

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2. CONNECT 3/4" CW TO HUMIDIFIER.
3. INSTALL 3/4" ASSE 1056 SPILL RESISTANT PRESSURE VACUUM BREAKERS ON CW AND HW PIPES TO SPA TUB.

Nelson Care Center Renovation

420 12TH AVE E,
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246040

Vivie
2209 Jefferson St. Suite 201
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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 **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

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

North

WASTE AND VENT RISER DIAGRAM - AREA 'A'

Scale: **As Indicated**

100% CD SET

M7.30a

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MN

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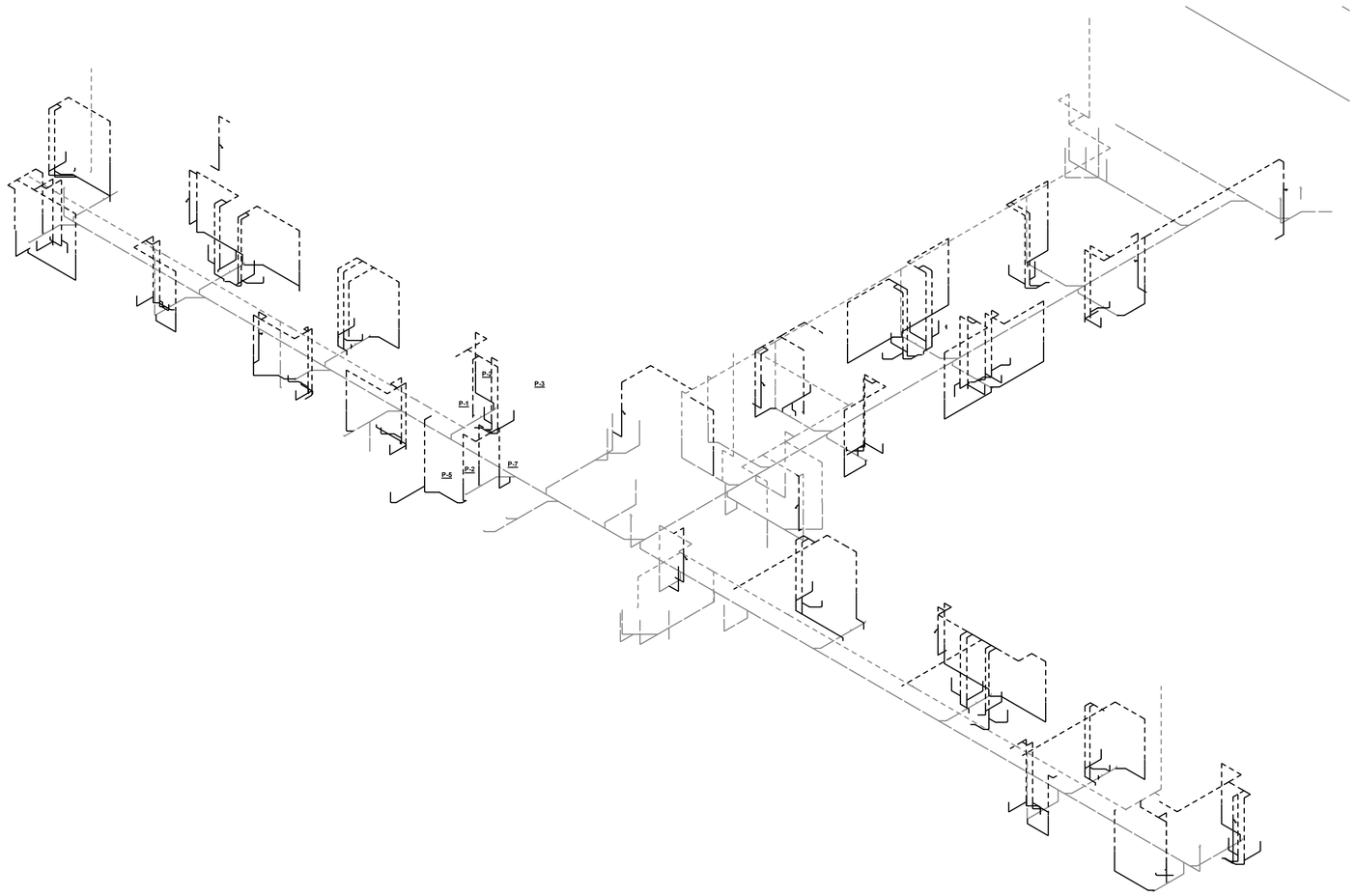

F3 WASTE AND VENT RISER DIAGRAM - AREA 'B'
NOT TO SCALE

M

100% CD SET

Nelson Care Center Renovation

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Brian Evan
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North

WASTE AND VENT RISER DIAGRAM - AREA 'B'

Scale: **As Indicated**

M7.30b

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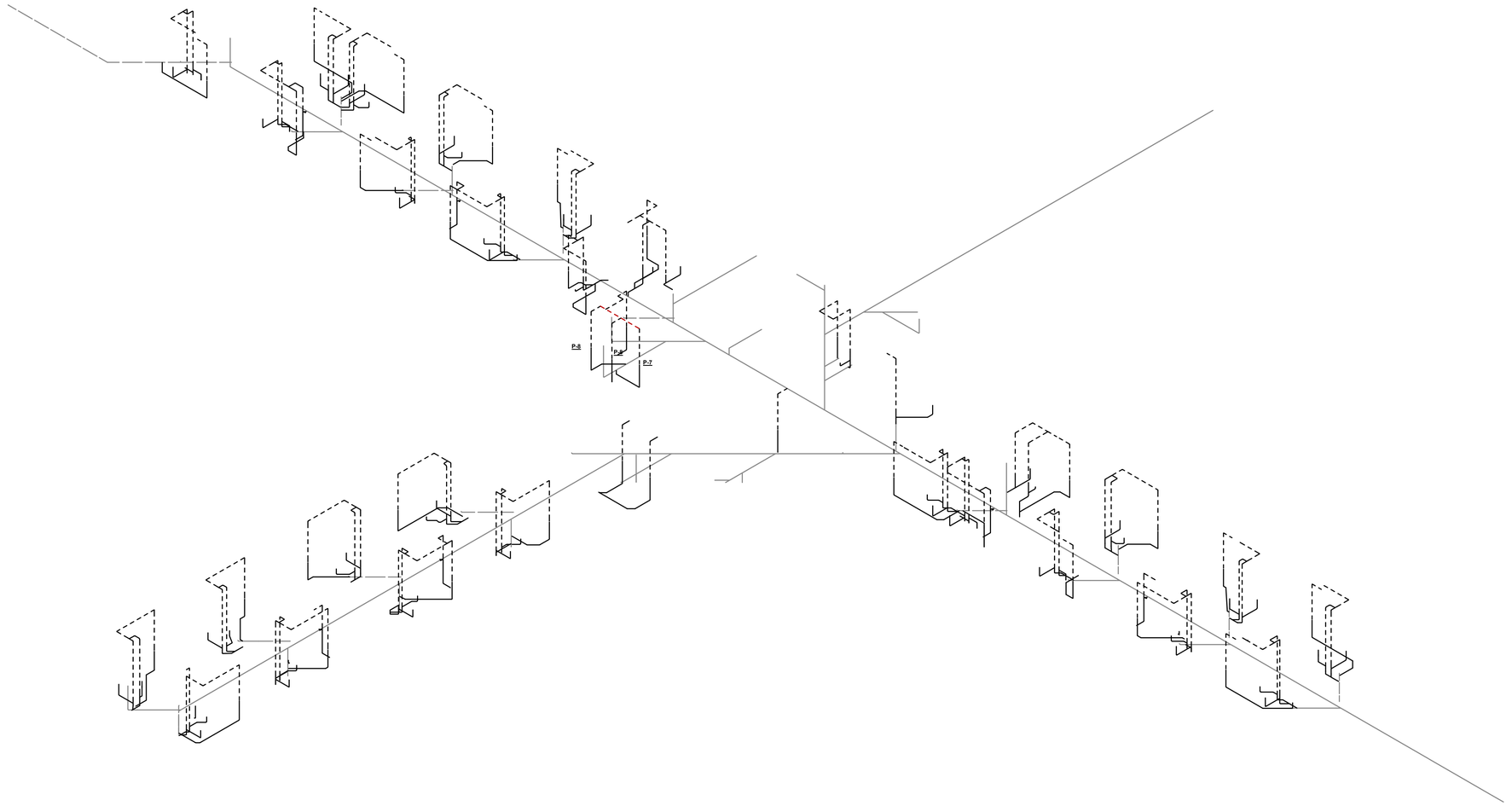

F1 WASTE AND VENT RISER DIAGRAM - AREA 'C'
NOT TO SCALE

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WASTE AND VENT RISER DIAGRAM - AREA 'C'

Scale: **As Indicated**

100% CD SET

M7.30c

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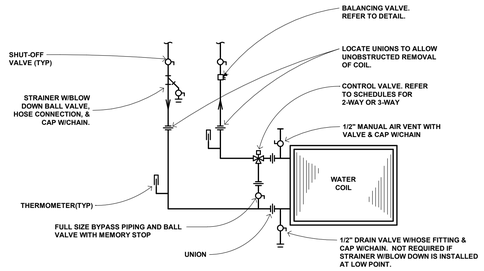
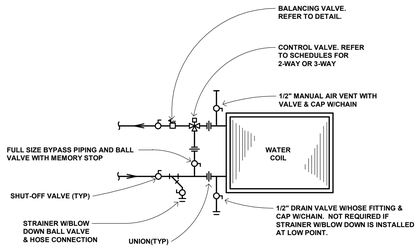


B1 WATER COIL TYPE A PIPING
NOT TO SCALE



B3 WATER COIL TYPE B PIPING
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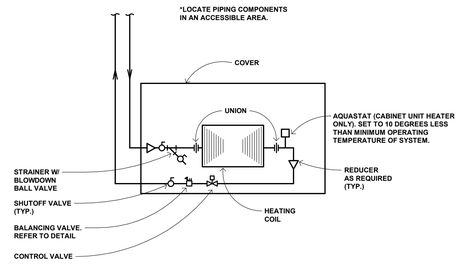

B5 CABINET UNIT HEATER OR CONVECTOR DETAIL
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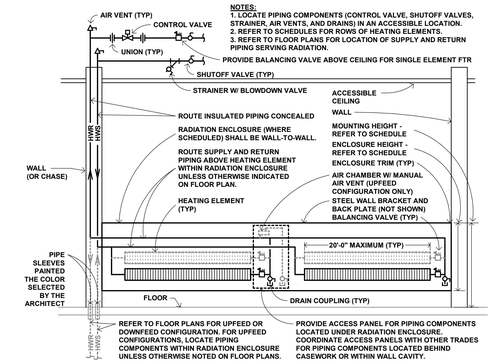
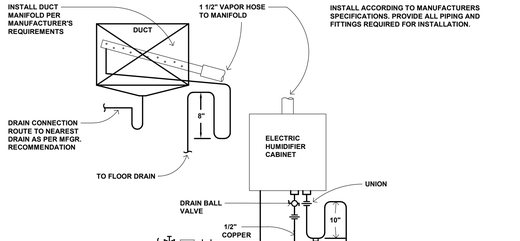


B7 TYPICAL RADIATION DETAIL - SINGLE ZONE
NOT TO SCALE

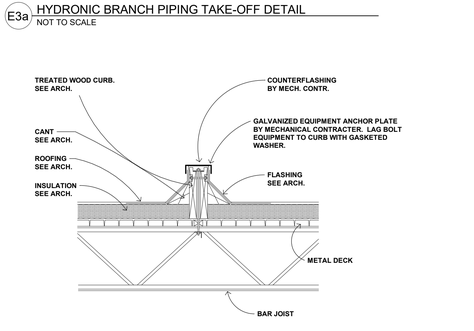
B



C

* PROVIDE CONCRETE INSERTS OR FASTEN TO TOP CHORDS OF BAR JOISTS OR OTHER STRUCTURAL BEAMS. DO NOT FASTEN TO ROOF DECK OR JOIST BRIDGING. HANG PIPING ROUTED PARALLEL TO JOISTS FROM MINIMUM 2 JOISTS. REFER TO STRUCTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS. COORDINATE HANGER POINT LOCATIONS WITH JOIST SUPPLIER.

C1 CLEVIS PIPE HANGER DETAIL
NOT TO SCALE



C3 TRAPEZE PIPE HANGER DETAIL
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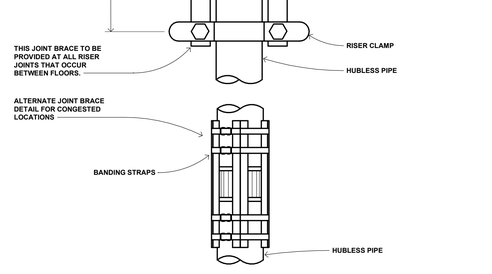

C5 EXPANSION LOOP DETAIL
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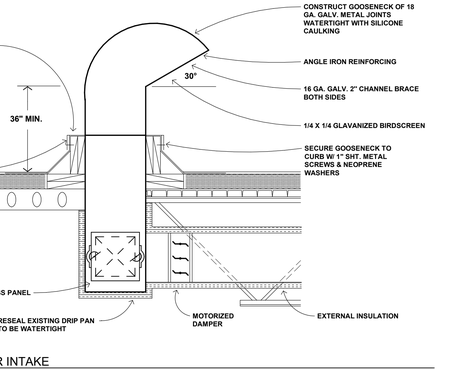

C7 ROOF PIPE PENETRATION DETAIL
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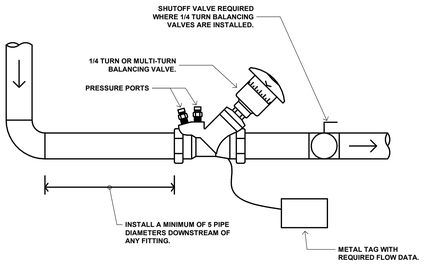
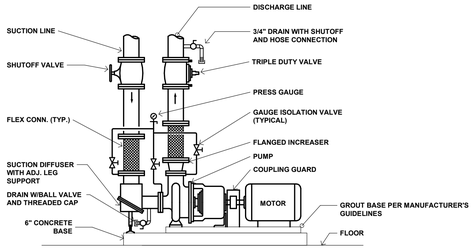


NOTES:
1. MULTI-TURN BALANCING VALVES MAY BE USED AS A SHUTOFF VALVE.
2. INSTALL IN ACCESSIBLE LOCATION FOR BALANCER. CONNECTING POINT OF PRESSURE PORTS SHALL BE ABOVE THE TOP OF THE PIPE FOR BALANCING VALVES INSTALLED IN HORIZONTAL PIPING.

E1 BALANCING VALVE DETAIL
NOT TO SCALE

D



D3 BASE MOUNTED PUMP PIPING DETAIL
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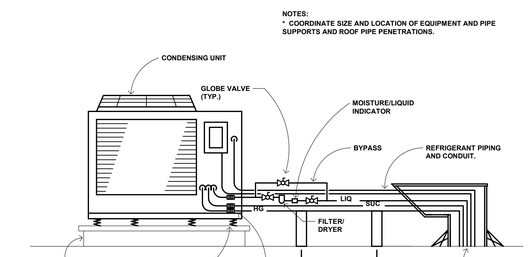

E5 ROOFTOP CONDENSING UNIT DETAIL
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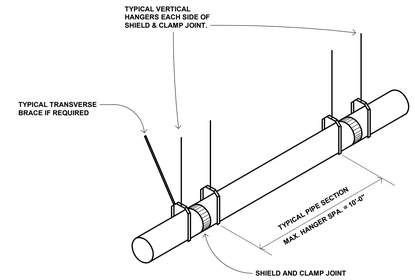

E7 HUBLESS PIPE INSTALLATION DETAIL
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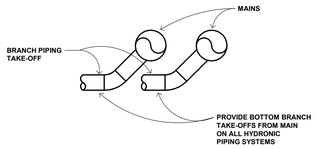

E3a HYDRONIC BRANCH PIPING TAKE-OFF DETAIL
NOT TO SCALE

F1 ELECTRIC HUMIDIFIER DETAIL
NOT TO SCALE

F3 ROOF MOUNTED EQUIPMENT CURB DETAIL
NOT TO SCALE

F5 HUBLESS PIPE RISER DETAIL
NOT TO SCALE

F6 GOOSENECK AIR INTAKE
NOT TO SCALE

100% CD SET

M

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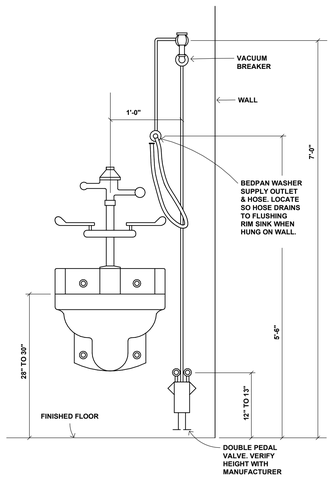
MECHANICAL DETAILS

Scale: **As Indicated**

M8.00

MN



B1 FLUSHING RIM SINK DETAIL
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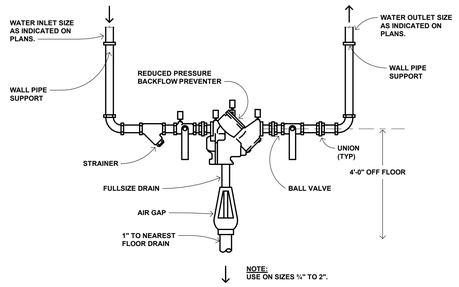
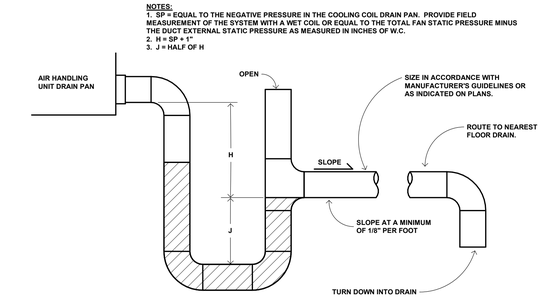


B2 REDUCED PRESSURE BACKFLOW PREVENTER DETAIL
NOT TO SCALE



B4 DRAW-THRU CONDENSATE DRAIN
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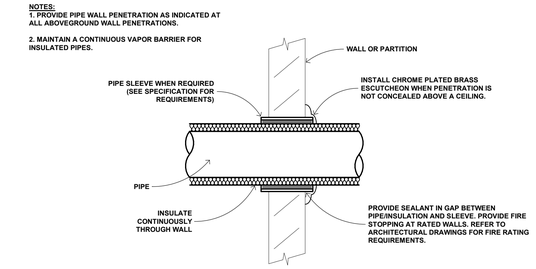

B7 PIPE WALL PENETRATION DETAIL
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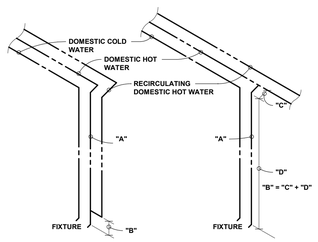
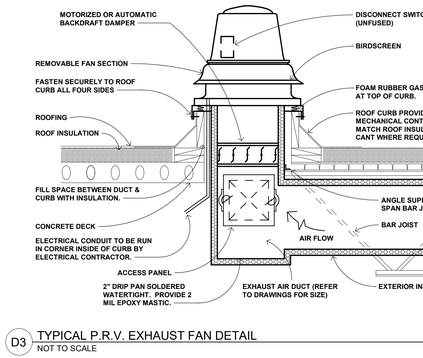


DOMESTIC HOT WATER NOMINAL PIPE SIZE ("A")	MAXIMUM PIPING LENGTH ("B")	
	PUBLIC LAVATORY	OTHER FIXTURES
1/2"	2'-0"	43'-0"
3/4"	6"	21'-0"
1"	6"	13'-0"
1-1/4"	6"	8'-0"
1-1/2"	6"	6'-0"
> OR = 2"	6"	4'-0"

REFER TO PLANS AND RISER DIAGRAMS FOR SPECIFIC PIPE SIZES.

D1 DOMESTIC CIRCULATING HOT WATER SCHEMATIC
NOT TO SCALE



D3 TYPICAL P.R.V. EXHAUST FAN DETAIL
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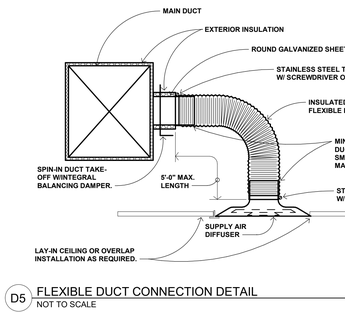

D5 FLEXIBLE DUCT CONNECTION DETAIL
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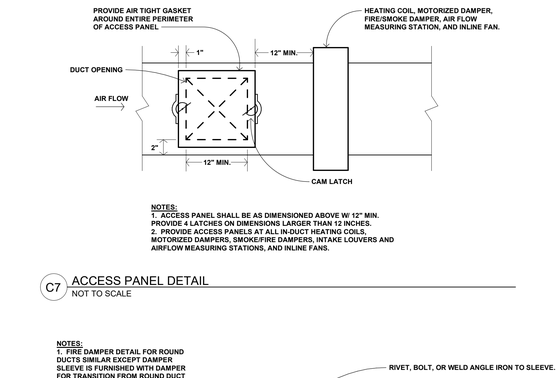
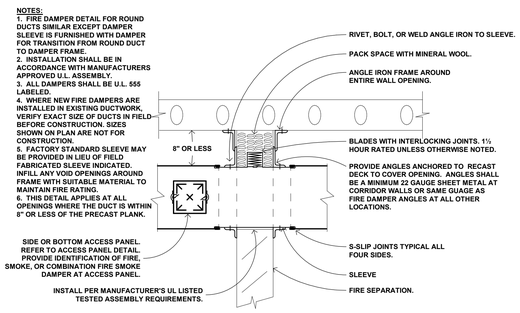
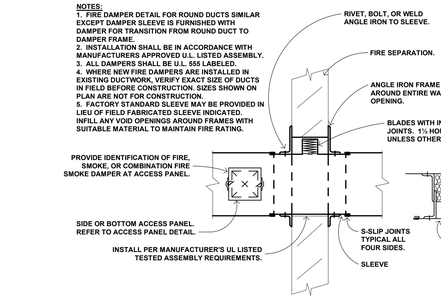


NOTES:
1. ACCESS PANEL SHALL BE AS DIMENSIONED ABOVE W/ 12" MIN. PROVIDE 4 LATCHES ON DIMENSIONS LARGER THAN 12 INCHES.
2. PROVIDE ACCESS PANELS AT ALL IN-DUCT HEATING COILS, MOTORIZED DAMPERS, SMOKE/FIRE DAMPERS, INTAKE LOUVERS AND AIRFLOW MEASURING STATIONS, AND INLINE FANS.

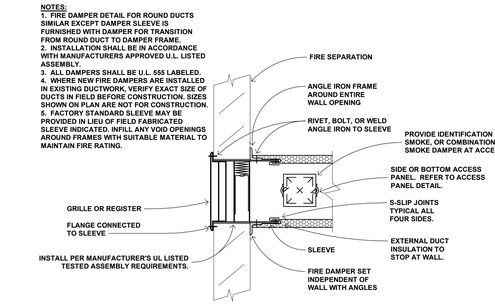
C7 ACCESS PANEL DETAIL
NOT TO SCALE



E7 FIRE DAMPER WITH PRECAST DECK
NOT TO SCALE



E1 FIRE DAMPER AT WALL DETAIL
NOT TO SCALE



E3 FIRE DAMPER AT REGISTER DETAIL
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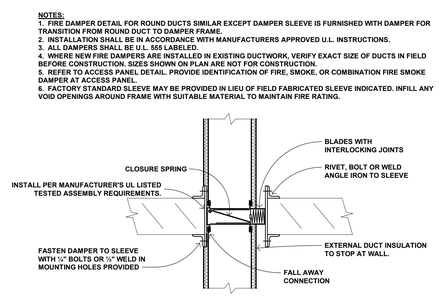

E5 FIRE DAMPER AT FLOOR DETAIL
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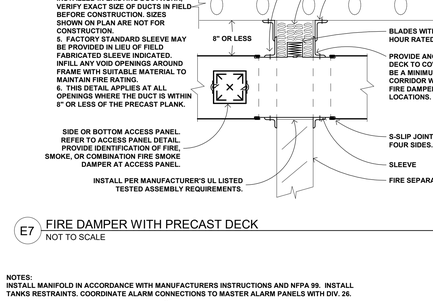

F6 OXYGEN GAS MANIFOLD
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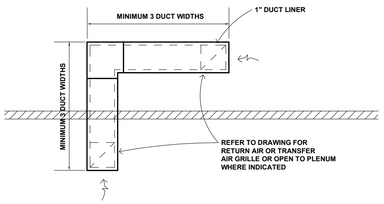

F1 TRANSFER AIR DUCT
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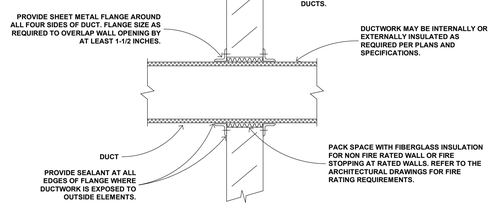

F3 DUCT WALL PENETRATION DETAIL
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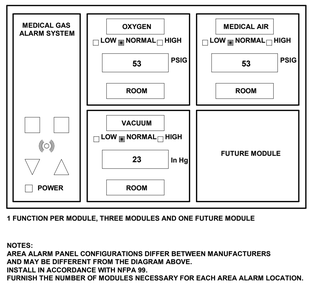

1 FUNCTION PER MODULE, THREE MODULES AND ONE FUTURE MODULE

NOTES:
AREA ALARM PANEL CONFIGURATIONS DIFFER BETWEEN MANUFACTURERS AND MAY BE DIFFERENT FROM THE DIAGRAM ABOVE.
INSTALL IN ACCORDANCE WITH NFPA 99.
FURNISH THE NUMBER OF MODULES NECESSARY FOR EACH AREA ALARM LOCATION.

F5 MEDICAL GAS AREA ALARM PANEL
NOT TO SCALE

M

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Nelson Care Center Renovation

420 12TH AVE E,
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246040

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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

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

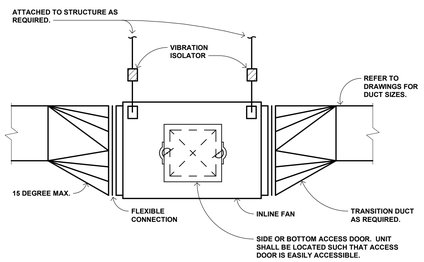
MECHANICAL DETAILS

Scale: As Indicated

M8.01

100% CD SET

MN



B1 INLINE FAN DETAIL
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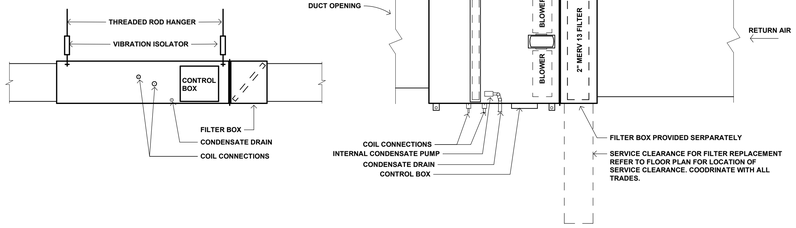

B2 FAN COIL DETAIL
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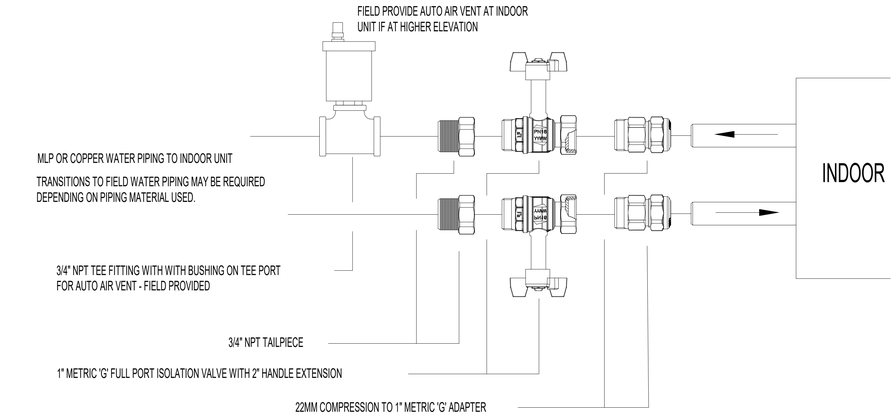

B5 SAMPLE CONNECTION TO INDOOR PORT DETAIL
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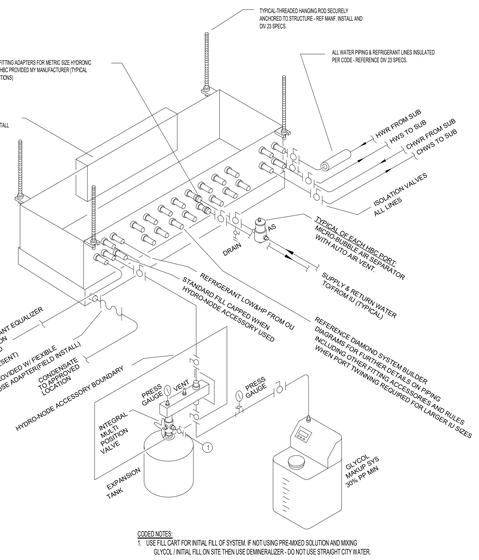

D1 SAMPLE HYBRID BRANCH CONTROLLER DETAIL
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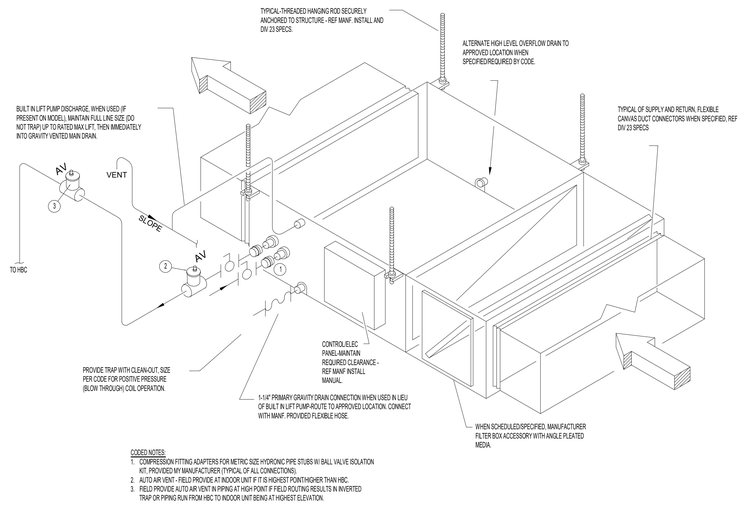

D3 HVRF DUCTED INDOOR UNIT DETAIL
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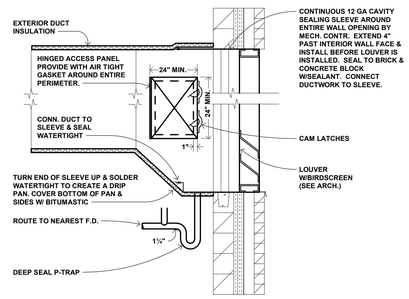

D6 LOUVER INSTALLATION DETAIL
NOT TO SCALE

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
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under the laws of the State of **MINNESOTA**

Brian Evan

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

Revisions		
Description	Date	Num

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

MECHANICAL DETAILS

Scale: **As Indicated**

M8.02

100% CD SET

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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	O2 A105	O2 A105	GREENHECK	CSP-A510-VG	CABINET	300	0.5	DIRECT	YES	1,155	0.1	120/1		YES					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		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		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		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		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		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		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		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		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		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 FLOOR MOUNTED
P-2	RESIDENT LAVATORY	1 1/4"	1 1/4"	1/2"	1/2"	ADA COMPLIANT -
P-3	RESIDENT SHOWER	-	-	1/2"	1/2"	ADA COMPLIANT -
P-4	MOP BASIN	3"	1 1/2"	3/4"	3/4"	- -
P-5	BARIATRIC WATER CLOSET	4"	2"	1 1/4"	-	ADA COMPLIANT FLOOR MOUNTED
P-6	FLUSH RIM SINK	4"	2"	1 1/4"	3/4"	- -
P-7	WALL MOUNTED HAND WASHING SINK	1 1/2"	1 1/2"	1/2"	1/2"	- -
P-8	STAINLESS STEEL SINK	1 1/2"	1 1/2"	1/2"	1/2"	- -
P-9	DRAINAGE UTILITY BOX	2"	1 1/2"	-	-	- -
P-10	WATER UTILITY OUTLET BOX	-	-	3/4"	-	- -

Nelson Care Center Renovation

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246040

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Minneapolis, Minnesota 55402
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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

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

MECHANICAL SCHEDULES

Scale: **As Indicated**

M9.00

100% CD SET

M

Architect Docs:246040 - Nelson Care Center Renovation\MEP\M - Nelson Care Center - MECH - 2024.rvt
Central Plotting by Jennifer Lee
Plotted: 8/29/2025 9:39:56 AM

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MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF HEAT PUMP UNIT SCHEDULE

	System Tag	North Wing	West Wing
	Tag Reference	HP-1	HP-2
Nominal Data	M-NET Address	51	59
	Model Number	TURYE1203AN41AN	TURYE1203AN41AN
	Modules	EP120	EP120
	Nominal Cooling Capacity (BTU/h)	120,000	120,000
	Nominal Heating Capacity (BTU/h)	135,000	135,000
	Cooling Efficiency (I)EER [SEER]	22.35 / 10.5	22.35 / 10.5
	EER2 [SEER2]	0	0
	Heating COP @ 47°F [HSPF]	3.875	3.875
	Nom System Connected Capacity (% of NOM)	95.0 %	96.7 %
Design Conditions	Design Cooling Outdoor Temp DB (°F)	88.0	88.0
	Design Heating Outdoor Temp WB (°F)	-14.0	-14.0
	Max Pipe Length from BC or 1st Joint (feet)	100.0	110.0
	Refrig Pipe Dim High/Low Pressure (inch) (See Note 4)	3/4 / 1-1/8	3/4 / 1-1/8
Performance Data	Corrected Cooling Total Capacity (BTU/h)	113,605.1	113,191.0
	Corrected Heating Capacity (BTU/h)	80,097.0	79,807.9
	Sound Pressure (dBA)	80.5/80.5	80.5/80.5
Compressor Data	Compressor Type	SCROLL	SCROLL
	Compressor Quantity	1	1
	Preliminary Added Field Charge (See Note 5)	16.5	16.5
Electrical Data	Voltage / Phase	208/230V / 3-phase 3-wire	208/230V / 3-phase 3-wire
	MCA 208/230 or [460V]	56/55	56/55
	Recommended Fuse Size (RFS)	60/60	60/60
	MOCP	90/90	90/90
Notes / Options	Applicable System Notes - See Notes Below	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13

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 Efficiency values for EER, IEER, COP are based on AHRI 1230 test method for mixture of ducted & non-ducted indoor units.
4 For systems with multiple modules, refrigerant pipe dimensions indicate total system combined piping downstream of module twinning.
5 Added field charge listed is in addition to factory charge, this must be updated based upon final as-built piping layout.
6 Corrected capacities shown are based on lowest guaranteed outdoor temperature, temperatures below this are not guaranteed.
7 Factory representatives shall review the project prior to and throughout the installation of CITY MULTI equipment
8 Factory representatives shall startup and commission CITY MULTI equipment upon completion of equipment installations
9 Factory representatives shall provide on-site assistance for the BMS integration of the CITY MULTI equipment
10 Factory representatives shall provide end-user training on the CITY MULTI equipment upon completion of the installation of equipment
11 Provide Panel Heater Kit to Prevent Ice Buildup on Outdoor Drain Pan
12 Provide Snow/Hail Kit to Prevent Damage or Snow Build-Up in Severe Winter Climates
13 Provide 24" Super Stand Kit

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF HEAT PUMP UNIT SCHEDULE

	System Tag	West Wing	North Wing	East Wing	Central Area and Hallways
	Tag Reference	HP-3	HP-4	HP-5	HP-6
Nominal Data	M-NET Address	51	62	73	83
	Model Number	TURYE1203AN41AN	TURYE1203AN41AN	TURYE1203AN41AN	TURYE1203AN41AN
	Modules	EP120	EP120	EP120	EP120
	Nominal Cooling Capacity (BTU/h)	120,000	120,000	120,000	120,000
	Nominal Heating Capacity (BTU/h)	135,000	135,000	135,000	135,000
	Cooling Efficiency (I)EER [SEER]	22.35 / 10.5	22.35 / 10.5	22.35 / 10.5	22.35 / 10.5
	EER2 [SEER2]	0	0	0	0
	Heating COP @ 47°F [HSPF]	3.875	3.875	3.875	3.875
	Nom System Connected Capacity (% of NOM)	96.7 %	106.7 %	100.8 %	101.7 %
Design Conditions	Design Cooling Outdoor Temp DB (°F)	91.0	91.0	91.0	91.0
	Design Heating Outdoor Temp WB (°F)	-20.0	-20.0	-20.0	-20.0
	Max Pipe Length from BC or 1st Joint (feet)	109.8	189.8	189.8	139.8
	Refrig Pipe Dim High/Low Pressure (inch) (See Note 4)	3/4 / 1-1/8	3/4 / 1-1/8	3/4 / 1-1/8	3/4 / 1-1/8
Performance Data	Corrected Cooling Total Capacity (BTU/h)	111,223.2	109,847.1	108,246.7	110,518.7
	Corrected Heating Capacity (BTU/h)	79,485.2	77,588.0	77,344.5	78,748.9
	Sound Pressure (dBA)	80.5/80.5	80.5/80.5	80.5/80.5	80.5/80.5
Compressor Data	Compressor Type	SCROLL	SCROLL	SCROLL	SCROLL
	Compressor Quantity	1	1	1	1
	Preliminary Added Field Charge (See Note 5)	16.5	16.5	16.5	16.5
Electrical Data	Voltage / Phase	208/230V / 3-phase 3-wire	208/230V / 3-phase 3-wire	208/230V / 3-phase 3-wire	208/230V / 3-phase 3-wire
	MCA 208/230 or [460V]	56/55	56/55	56/55	56/55
	Recommended Fuse Size (RFS)	60/60	60/60	60/60	60/60
	MOCP	90/90	90/90	90/90	90/90
Notes / Options	Applicable System Notes - See Notes Below	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11

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 Efficiency values for EER, IEER, COP are based on AHRI 1230 test method for mixture of ducted & non-ducted indoor units.
4 For systems with multiple modules, refrigerant pipe dimensions indicate total system combined piping downstream of module twinning.
5 Added field charge listed is in addition to factory charge, this must be updated based upon final as-built piping layout.
6 Corrected capacities shown are based on lowest guaranteed outdoor temperature, temperatures below this are not guaranteed.
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10 Factory representatives shall provide end-user training on the CITY MULTI equipment upon completion of the installation of equipment
11 Provide Panel Heater Kit to Prevent Ice Buildup on Outdoor Drain Pan

VRF HEAT RECOVERY BRANCH CIRCUIT CONTROLLER

	System Tag	North Wing	West Wing
	Tag Reference	BC-1	BC-2
Nominal Data	M-NET Address	52	60
	Model Number	TCMBM0108VA11N4	TCMBM1016VA11N4
	Type (double / Main / Sub)	Main	Main
	Number of Ports	8	16
	Connected Capacity to BC	114,000.0	116,000.0
Electrical Data	Voltage / Phase	208/230V / 1-phase	208/230V / 1-phase
	Power Cooling 208V/230V (kW)	0.45	0.45
	Power Heating 208V/230V (kW)	0.45	0.45
	MCA 208/230	3.78	3.78
	HBC Water Volume (L)	10.00	13.00
Notes / Options	Applicable System Notes - See Notes Below	1, 2, 3, 4, 5	1, 2, 3, 4, 5

Notes & Options:
1 Include Diamondback Ball Valves BV-Series, 700PSIG working pressure, full port, 410A rated.
2 For sub BC controller CMB-P-NU-GB1 or -GB, the total connectable indoor unit capacity can be 126,000 BTUs or less. If two sub BC controllers are used, the total indoor unit capacity connected to BOTH sub BC controllers also cannot exceed 126,000 BTUs. For sub BC controller CMB-P1016NU-HB1 the total connectable indoor unit capacity can be 126,000 BTUs or less. However, if two sub controllers are used, and one of them is CMB-1016NU-HB1, the total indoor unit capacity connected to BOTH sub controllers must NOT exceed 168,000 BTUs.
3 Each Indoor Unit Branch Port Provided with 22mm Compression Fitting to 3/4" NPT, 3/4" NPT Full Port Isolation Valve w/ Handle Extension, Drain Vavle w/ 3/4" NPT Water T
4 Fill Line and Expansion Tank Connection Port Provided with 22mm Compression Fitting to 3/4" NPT, 3/4" NPT Full Port Isolation Valve w/ Handle Extension
5 Sub-HBC Connection Ports Provided with 22mm Compression Fitting to 3/4" NPT, 3/4" NPT Full Port Isolation Valve w/ Handle Extension, 2 AAV's located at Sub-HBC Inlet Connections from Main HBC

VRF HEAT RECOVERY BRANCH CIRCUIT CONTROLLER

	System Tag	West Wing	North Wing	East Wing	Central Area and Hallways
	Tag Reference	BC-3	BC-4	BC-5	BC-6
Nominal Data	M-NET Address	52	63	74	84
	Model Number	TCMBM1016VA11N4	TCMBM1016VA11N4	TCMBM1016VA11N4	TCMBM1016VA11N4
	Type (double / Main / Sub)	Main	Main	Main	Main
	Number of Ports	16	16	16	16
	Connected Capacity to BC	116,000.0	128,000.0	121,000.0	122,000.0
Electrical Data	Voltage / Phase	208/230V / 1-phase	208/230V / 1-phase	208/230V / 1-phase	208/230V / 1-phase
	Power Cooling 208V/230V (kW)	0.45	0.45	0.45	0.45
	Power Heating 208V/230V (kW)	0.45	0.45	0.45	0.45
	MCA 208/230	3.78	3.78	3.78	3.78
	HBC Water Volume (L)	13.00	13.00	13.00	13.00
Notes / Options	Applicable System Notes - See Notes Below	1, 2, 3, 4, 5	1, 2, 3, 4, 5	1, 2, 3, 4, 5	1, 2, 3, 4, 5

Notes & Options:
1 Include Diamondback Ball Valves BV-Series, 700PSIG working pressure, full port, 410A rated.
2 For sub BC controller CMB-P-NU-GB1 or -GB, the total connectable indoor unit capacity can be 126,000 BTUs or less. If two sub BC controllers are used, the total indoor unit capacity connected to BOTH sub BC controllers also cannot exceed 126,000 BTUs. For sub BC controller CMB-P1016NU-HB1 the total connectable indoor unit capacity can be 126,000 BTUs or less. However, if two sub controllers are used, and one of them is CMB-1016NU-HB1, the total indoor unit capacity connected to BOTH sub controllers must NOT exceed 168,000 BTUs.
3 Each Indoor Unit Branch Port Provided with 22mm Compression Fitting to 3/4" NPT, 3/4" NPT Full Port Isolation Valve w/ Handle Extension, Drain Vavle w/ 3/4" NPT Water T
4 Fill Line and Expansion Tank Connection Port Provided with 22mm Compression Fitting to 3/4" NPT, 3/4" NPT Full Port Isolation Valve w/ Handle Extension
5 Sub-HBC Connection Ports Provided with 22mm Compression Fitting to 3/4" NPT, 3/4" NPT Full Port Isolation Valve w/ Handle Extension, 2 AAV's located at Sub-HBC Inlet Connections from Main HBC

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI VRF HEAT PUMP UNIT SCHEDULE

	System Tag	East Wing	South Wing	West Wing	Central Area and Hallways
	Tag Reference	HP-7	HP-8	HP-9	HP-10
Nominal Data	M-NET Address	51	62	70	81
	Model Number	TURYE1203AN41AN	TURYE1203AN41AN	TURYE1203AN41AN	TURYE1203AN41AN
	Modules	EP120	EP120	EP120	EP120
	Nominal Cooling Capacity (BTU/h)	120,000	120,000	120,000	120,000
	Nominal Heating Capacity (BTU/h)	135,000	135,000	135,000	135,000
	Cooling Efficiency (I)EER [SEER]	22.35 / 10.5	22.35 / 10.5	22.35 / 10.5	22.35 / 10.5
	EER2 [SEER2]	0	0	0	0
	Heating COP @ 47°F [HSPF]	3.875	3.875	3.875	3.875
	Nom System Connected Capacity (% of NOM)	95.0 %	85.0 %	107.5 %	108.3 %
Design Conditions	Design Cooling Outdoor Temp DB (°F)	91.0	91.0	91.0	91.0
	Design Heating Outdoor Temp WB (°F)	-20.0	-20.0	-20.0	-20.0
	Max Pipe Length from BC or 1st Joint (feet)	109.8	169.8	189.8	159.8
	Refrig Pipe Dim High/Low Pressure (inch) (See Note 4)	3/4 / 1-1/8	3/4 / 1-1/8	3/4 / 1-1/8	3/4 / 1-1/8
Performance Data	Corrected Cooling Total Capacity (BTU/h)	111,223.2	108,785.4	110,070.9	111,539.6
	Corrected Heating Capacity (BTU/h)	79,485.2	77,858.2	77,619.4	78,467.3
	Sound Pressure (dBA)	80.5/80.5	80.5/80.5	80.5/80.5	80.5/80.5
Compressor Data	Compressor Type	SCROLL	SCROLL	SCROLL	SCROLL
	Compressor Quantity	1	1	1	1
	Preliminary Added Field Charge (See Note 5)	15.4	15.4	15.4	15.4
Electrical Data	Voltage / Phase	208/230V / 3-phase 3-wire	208/230V / 3-phase 3-wire	208/230V / 3-phase 3-wire	208/230V / 3-phase 3-wire
	MCA 208/230 or [460V]	56/55	56/55	56/55	56/55
	Recommended Fuse Size (RFS)	60/60	60/60	60/60	60/60
	MOCP	90/90	90/90	90/90	90/90
Notes / Options	Applicable System Notes - See Notes Below	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13

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)
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12 Provide Snow/Hail Kit to Prevent Damage or Snow Build-Up in Severe Winter Climates
13 Provide 24" Super Stand Kit

VRF HEAT RECOVERY BRANCH CIRCUIT CONTROLLER

	System Tag	East Wing	South Wing	West Wing	Central Area and Hallways
	Tag Reference	BC-7	BC-8	BC-9	BC-10
Nominal Data	M-NET Address	52	63	71	82
	Model Number	TCMBM1016VA11N4	TCMBM1016VA11N4	TCMBM1016VA11N4	TCMBM0108VA11N4
	Type (double / Main / Sub)	Main	Main	Main	Main
	Number of Ports	16	16	16	8
	Connected Capacity to BC	114,000.0	102,000.0	129,000.0	130,000.0
Electrical Data	Voltage / Phase	208/230V / 1-phase	208/230V / 1-phase	208/230V / 1-phase	208/230V / 1-phase
	Power Cooling 208V/230V (kW)	0.45	0.45	0.45	0.45
	Power Heating 208V/230V (kW)	0.45	0.45	0.45	0.45
	MCA 208/230	3.78	3.78	3.78	3.78
	HBC Water Volume (L)	13.00	13.00	13.00	10.00
Notes / Options	Applicable System Notes - See Notes Below	1, 2, 3, 4, 5	1, 2, 3, 4, 5	1, 2, 3, 4, 5	1, 2, 3, 4, 5

Notes & Options:
1 Include Diamondback Ball Valves BV-Series, 700PSIG working pressure, full port, 410A rated.
2 For sub BC controller CMB-P-NU-GB1 or -GB, the total connectable indoor unit capacity can be 126,000 BTUs or less. If two sub BC controllers are used, the total indoor unit capacity connected to BOTH sub BC controllers also cannot exceed 126,000 BTUs. For sub BC controller CMB-P1016NU-HB1 the total connectable indoor unit capacity can be 126,000 BTUs or less. However, if two sub controllers are used, and one of them is CMB-1016NU-HB1, the total indoor unit capacity connected to BOTH sub controllers must NOT exceed 168,000 BTUs.
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4 Fill Line and Expansion Tank Connection Port Provided with 22mm Compression Fitting to 3/4" NPT, 3/4" NPT Full Port Isolation Valve w/ Handle Extension
5 Sub-HBC Connection Ports Provided with 22mm Compression Fitting to 3/4" NPT, 3/4" NPT Full Port Isolation Valve w/ Handle Extension, 2 AAV's located at Sub-HBC Inlet Connections from Main HBC

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100% CD SET

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Central, Shane.Hoffman.Central@wold-AE.com
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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
Brian Evan
License Number: 54354 Date 08/29/2025

Revisions		
Description	Date	Num

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

MECHANICAL SCHEDULES

Scale: As indicated

M9.01

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI FAN COIL UNIT SCHEDULE - AREA 'A'

	System Tag	North Wing	North Wing	North Wing	North Wing	North Wing	North Wing	North Wing	North Wing	West Wing	West Wing	West Wing	West Wing	West Wing	West Wing
	Tag Reference	FCU 1-13	FCU 1-15	FCU 1-16	FCU 1-17	FCU 1-18	FCU 1-19	FCU 1-14	FCU 1-20	FCU 1-12	FCU 1-11	FCU 1-03	FCU 1-05	FCU 1-01	FCU 1-02
Nominal Data	Room Name														
	M-NET Address	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Model	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW018MA1W0A	TPEFYW024MA1W0A	TPEFYW012MA1W0A	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)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)
	Nominal Cooling Capacity (BTU/h)	12,000	12,000	12,000	12,000	12,000	12,000	18,000	24,000	12,000	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	20,000	27,000	13,500	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	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	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	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	FULL DEMAND	FULL DEMAND
	Refrig Pipe Dim Liquid/Suction (inch)	3/4	3/4	3/4	3/4	3/4	3/4	3/4	1-1/4	3/4	3/4	3/4	3/4	3/4	3/4
Performance Data	Cooling Total Capacity (BTU/h)	11,525.4	11,525.4	11,525.4	11,525.4	11,525.4	11,525.4	17,288.0	23,050.7	11,525.4	11,525.4	11,525.4	11,525.4	11,525.4	11,525.4
	Cooling Sensible Capacity (BTU/h)	8,163.8	8,163.8	8,163.8	8,163.8	8,163.8	8,163.8	14,847.3	18,849.0	8,163.8	8,163.8	8,163.8	8,163.8	8,163.8	8,163.8
	Heating Capacity (BTU/h)	8,447.7	8,447.7	8,447.7	8,447.7	8,447.7	8,447.7	12,515.2	16,895.5	8,256.0	8,256.0	8,256.0	8,256.0	8,256.0	8,256.0
	Estimated Cooling Coil LAT (°F) / [LWT]	58.5	58.5	58.5	58.5	58.5	58.5	60.4	59.1	58.5	58.5	58.5	58.5	58.5	58.5
	Estimated Heating Coil LAT (°F) / [LWT]	91.9	91.9	91.9	91.9	91.9	91.9	86.2	88.4	91.4	91.4	91.4	91.4	91.4	91.4
Fan / Water Flow Data	Fan Speed Setting	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH
	Peak Fan Airflow (cfm) / [Design gpm]	371	371	371	371	371	371	742	883	371	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	26-30-34	26-30-34
	Indoor Water Volume (L)	0.9	0.9	0.9	0.9	0.9	0.9	2.1	2.1	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	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	0.121	0.121	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	2.25	2.30	1.70	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	0.121	0.121	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	2.25	2.25	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	2.81/15	2.88/15	2.13/15	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	0.36	0.80	0.39	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	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

MITSUBISHI ELECTRIC TRANE HVAC US: CITY MULTI FAN COIL UNIT SCHEDULE - AREA 'A' CONTINUED

West Wing	West Wing	West Wing	West Wing	West Wing	West Wing	West Wing
FCU 1-08	FCU 1-09	FCU 1-06	FCU 1-07	FCU 1-21	FCU 1-10	FCU 1-04
				Spa	Nursing Office	Hallway
15	16	17	18	19	20	21
TPLFYW04FM1W0A	TPLFYW04FM1W0A	TPLFYW04FM1W0A	TPLFYW04FM1W0A	TPLFYW08FM1W0A	TPEFYW008MA1W0A	TPEFYW012MA1W0A
Ceiling-Cassette (Four-Way)	Ceiling-Cassette (Four-Way)	Ceiling-Cassette (Four-Way)	Ceiling-Cassette (Four-Way)	Ceiling-Cassette (Four-Way)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)
4,000	4,000	4,000	4,000	8,000	8,000	12,000
4,500	4,500	4,500	4,500	9,000	9,000	13,500
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
70.0	70.0	70.0	70.0	70.0	70.0	70.0
FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND
FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND
3/4	3/4	3/4	3/4	3/4	3/4	3/4
3,841.8	3,841.8	3,841.8	3,841.8	7,683.6	7,683.6	11,525.4
3,338.2	3,338.2	3,338.2	3,338.2	6,262.9	6,306.8	8,163.8
2,752.0	2,752.0	2,752.0	2,752.0	5,504.0	5,504.0	8,256.0
66.7	66.7	66.7	66.7	60.5	59.4	58.5
80.8	80.8	80.8	80.8	86.8	87.6	91.4
HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH
245	245	245	245	315	300	371
25-26-27	25-26-27	25-26-27	25-26-27	27-30-34	26-30-34	26-30-34
0.5	0.5	0.5	0.5	0.9	0.9	0.9
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
0.020	0.020	0.020	0.020	0.030	0.085	0.085
0.02	0.02	0.02	0.02	0.03	1.40	1.70
0.05	0.05	0.05	0.05	0.05	0.085	0.085
0.29	0.29	0.29	0.29	0.29	1.4	1.4
0.36/15	0.36/15	0.36/15	0.36/15	0.36/15	1.75/15	2.13/15
0.07	0.07	0.07	0.07	0.20	0.27	0.39
1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8, 9	1, 2, 3, 4, 5, 6, 7, 8, 9

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_ARCH_2024.rvt
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8/29/2025 4:39:07 AM

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

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.

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

MECHANICAL SCHEDULES

Scale: As indicated

M9.02

100% CD SET

MN

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

System Tag		West Wing	West Wing	West Wing	West Wing	West Wing	West Wing	West Wing	West Wing	West Wing	West Wing	West Wing	North Wing	North Wing	North Wing
Tag Reference		FCU 2-01	FCU 2-02	FCU 2-03	FCU 2-04	FCU 2-05	FCU 2-06	FCU 2-08	FCU 2-09	FCU 2-10	FCU 2-11	FCU 2-12	FCU 2-20	FCU 2-21	FCU 2-22
Nominal Data	Room Name	Resident	Resident	Resident	Resident	Resident	Resident	Resident	Resident	Resident	Storage	Storage	Resident	Resident	Resident
	M-NET Address	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Model	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPLFYW04FM1W0A	TPLFYW04FM1W0A	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-Cassette (Four-Way)	Ceiling-Cassette (Four-Way)	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	12,000	12,000	12,000	4,000	4,000	12,000	12,000	12,000
	Nominal Heating Capacity (BTU/h)	13,500	13,500	13,500	13,500	13,500	13,500	13,500	13,500	13,500	4,500	4,500	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	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	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	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	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	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	11,379.0	11,379.0	11,379.0	3,793.0	3,793.0	10,298.2	10,298.2	10,298.2
	Cooling Sensible Capacity (BTU/h)	8,103.9	8,103.9	8,103.9	8,103.9	8,103.9	8,103.9	8,103.9	8,103.9	8,103.9	3,320.0	3,320.0	7,668.0	7,668.0	7,668.0
	Heating Capacity (BTU/h)	8,222.6	8,222.6	8,222.6	8,222.6	8,222.6	8,222.6	8,222.6	8,222.6	8,222.6	2,740.9	2,740.9	7,273.9	7,273.9	7,273.9
	Estimated Cooling Coil LAT (°F) / [LWT]	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	66.7	66.7	59.8	59.8	59.8
	Estimated Heating Coil LAT (°F) / [LWT]	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	80.8	80.8	88.8	88.8	88.8
Fan / Water Flow Data	Fan Speed Setting	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH
	Peak Fan Airflow (cfm) / [Design gpm]	371	371	371	371	371	371	371	371	371	245	245	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	25-26-27	25-26-27	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	0.5	0.5	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	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	0.020	0.020	0.085	0.085	0.085
	Power Heating 208V/230V (kW)	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	0.02	0.02	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	0.05	0.05	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	0.29	0.29	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	2.13/15	2.13/15	2.13/15	0.36/15	0.36/15	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	0.39	0.39	0.39	0.07	0.07	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	1, 2, 3, 4, 5, 6, 7, 8	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

M

100% CD SET

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_MZBe_Rev.rvt
Central: //Projects/Active Jobs/Nelson Care Center/246040 - Nelson Care Center_MZBe_Rev.rvt
Local: C:\Users\mzupancic\Desktop\246040 - Nelson Care Center_MZBe_Rev.rvt
3/5/2025 9:29:56 AM

Nelson Care Center Renovation

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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
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.

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

MECHANICAL SCHEDULES

Scale: **As Indicated**

M9.03

MN

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

North Wing	North Wing	North Wing	North Wing	North Wing	North Wing	North Wing	North Wing	East Wing	East Wing	East Wing	East Wing	East Wing	East Wing	East Wing	East Wing
FCU 2-23	FCU 2-24	FCU 2-25	FCU 2-26	FCU 2-27	FCU 2-30	FCU 2-28	FCU 2-29	FCU 2-34	FCU 2-35	FCU 2-37	FCU 2-39	FCU 2-40	FCU 2-42	FCU 2-41	FCU 2-45
Resident	Resident	Resident	Resident	Resident	Resident	Storage	Storage	Resident	Resident	Resident	Resident	Resident	Resident	Care Suite	Lounge
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW024MA1W0A	TPLFYW04FM1W0A	TPLFYW04FM1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW015MA1W0A	TPEFYW024MA1W0A
Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Cassette (Four-Way)	Ceiling-Cassette (Four-Way)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)
12,000	12,000	12,000	12,000	12,000	24,000	4,000	4,000	12,000	12,000	12,000	12,000	12,000	12,000	15,000	24,000
13,500	13,500	13,500	13,500	13,500	27,000	4,500	4,500	13,500	13,500	13,500	13,500	13,500	13,500	17,000	27,000
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	80.0/67.0	80.0/67.0	80.0/67.0	80.0/67.0
70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND
FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND
3/4	3/4	3/4	3/4	3/4	1-1/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	1-1/4
10,298.2	10,298.2	10,298.2	10,298.2	10,298.2	20,596.3	3,432.7	3,432.7	10,735.2	10,735.2	10,735.2	10,735.2	10,735.2	10,735.2	13,419.0	21,470.4
7,668.0	7,668.0	7,668.0	7,668.0	7,668.0	17,919.3	3,186.8	3,186.8	7,842.9	7,842.9	7,842.9	7,842.9	7,842.9	7,842.9	10,746.2	18,248.2
7,273.9	7,273.9	7,273.9	7,273.9	7,273.9	14,547.8	2,424.6	2,424.6	7,666.3	7,666.3	7,666.3	7,666.3	7,666.3	7,666.3	9,653.9	15,332.6
59.8	59.8	59.8	59.8	59.8	60.1	67.3	67.3	59.3	59.3	59.3	59.3	59.3	59.3	58.7	59.8
88.8	88.8	88.8	88.8	88.8	85.8	79.5	79.5	89.9	89.9	89.9	89.9	89.9	89.9	88.8	86.7
HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH
371	371	371	371	371	883	245	245	371	371	371	371	371	371	494	883
26-30-34	26-30-34	26-30-34	26-30-34	26-30-34	26-30-34	25-26-27	25-26-27	26-30-34	26-30-34	26-30-34	26-30-34	26-30-34	26-30-34	26-30-34	26-30-34
0.9	0.9	0.9	0.9	0.9	2.1	0.5	0.5	0.9	0.9	0.9	0.9	0.9	0.9	1.2	2.1
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	208/230V/1-phase	208/230V/1-phase	208/230V/1-phase	208/230V/1-phase
0.085	0.085	0.085	0.085	0.085	0.121	0.020	0.020	0.085	0.085	0.085	0.085	0.085	0.085	0.121	0.121
1.70	1.70	1.70	1.70	1.70	2.30	0.02	0.02	1.70	1.70	1.70	1.70	1.70	1.70	2.30	2.30
0.085	0.085	0.085	0.085	0.085	0.121	0.05	0.05	0.085	0.085	0.085	0.085	0.085	0.085	0.121	0.121
1.4	1.4	1.4	1.4	1.4	2.25	0.29	0.29	1.4	1.4	1.4	1.4	1.4	1.4	2.25	2.25
2.13/15	2.13/15	2.13/15	2.13/15	2.13/15	2.88/15	0.36/15	0.36/15	2.13/15	2.13/15	2.13/15	2.13/15	2.13/15	2.13/15	2.88/15	2.88/15
0.39	0.39	0.39	0.39	0.39	0.80	0.07	0.07	0.39	0.39	0.39	0.39	0.39	0.39	0.46	0.80
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	1, 2, 3, 4, 5, 6, 7, 8	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

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

East Wing	East Wing	Central Area and Hallways	Central Area and Hallways	Central Area and Hallways	Central Area and Hallways	Central Area and Hallways	Central Area and Hallways	Central Area and Hallways	Central Area and Hallways	Central Area and Hallways	Central Area and Hallways	Central Area and Hallways	Central Area and Hallways	Central Area and Hallways	Central Area and Hallways
FCU 2-44	FCU 2-46	FCU 2-07	FCU 2-36	FCU 2-19	FCU 2-39	FCU 2-16	FCU 2-13	FCU 2-38	FCU 2-14	FCU 2-15	FCU 2-17	FCU 2-18	FCU 2-11	FCU 2-47
Storage	Storage	Hallway West	Hallway East	Hallway North	Activities Room	Sitting Area	Nurse Station	Skills Lab (East Wing)	Office	Office	Clean Utility	Soiled Utility	Storage	Spa
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
TPLFYW04FM1W0A	TPLFYW06FM1W0A	TPEFYW015MA1W0A	TPEFYW015MA1W0A	TPEFYW018MA1W0A	TPEFYW024MA1W0A	TPEFYW008MA1W0A	TPEFYW006MA1W0A	TPEFYW008MA1W0A	TPLFYW04FM1W0A	TPLFYW04FM1W0A	TPLFYW04FM1W0A	TPLFYW04FM1W0A	TPLFYW04FM1W0A	TPLFYW08FM1W0A
Ceiling-Cassette (Four-Way)	Ceiling-Cassette (Four-Way)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Cassette (Four-Way)	Ceiling-Cassette (Four-Way)	Ceiling-Cassette (Four-Way)	Ceiling-Cassette (Four-Way)	Ceiling-Cassette (Four-Way)	Ceiling-Cassette (Four-Way)
4,000	6,000	15,000	15,000	18,000	24,000	8,000	6,000	8,000	4,000	4,000	4,000	4,000	4,000	8,000
4,500	6,700	17,000	17,000	20,000	27,000	9,000	6,700	9,000	4,500	4,500	4,500	4,500	4,500	9,000
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	80.0/67.0	80.0/67.0	80.0/67.0
70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND
FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND
3/4	3/4	3/4	3/4	3/4	1-1/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3,578.4	5,367.6	13,588.4	13,588.4	16,306.0	21,741.4	7,247.1	5,435.3	7,247.1	3,623.6	3,623.6	3,623.6	3,623.6	3,623.6	7,247.1
3,240.4	4,980.0	10,811.6	10,811.6	14,479.7	18,350.7	6,141.0	5,435.3	6,141.0	3,257.1	3,257.1	3,257.1	3,257.1	3,257.1	6,096.7
2,555.4	3,804.8	9,757.5	9,757.5	11,479.4	15,497.2	5,165.7	3,845.6	5,165.7	2,582.9	2,582.9	2,582.9	2,582.9	2,582.9	5,165.7
67.0	62.6	58.6	58.6	60.9	59.7	60.0	62.3	60.0	67.0	67.0	67.0	67.0	67.0	61.0
80.0	83.1	89.0	89.0	84.9	86.9	86.5	82.3	86.5	80.1	80.1	80.1	80.1	80.1	85.8
HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH
245	280	494	494	742	883	300	300	300	245	245	245	245	245	315
25-26-27	27-29-31	26-30-34	26-30-34	26-30-34	26-30-34	26-30-34	26-30-34	26-30-34	25-26-27	25-26-27	25-26-27	25-26-27	25-26-27	27-30-34
0.5	0.9	1.2	1.2	2.1	2.1	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.9
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	208/230V/1-phase	208/230V/1-phase	208/230V/1-phase
0.020	0.020	0.121	0.121	0.121	0.121	0.085	0.085	0.085	0.020	0.020	0.020	0.020	0.020	0.030
0.02	0.02	2.30	2.30	2.25	2.30	1.40	1.40	1.40	0.02	0.02	0.02	0.02	0.02	0.03
0.05	0.05	0.121	0.121	0.121	0.121	0.085	0.085	0.085	0.05	0.05	0.05	0.05	0.05	0.05
0.29	0.29	2.25	2.25	2.25	2.25	1.4	1.4	1.4	0.29	0.29	0.29	0.29	0.29	0.29
0.36/15	0.36/15	2.88/15	2.88/15	2.81/15	2.88/15	1.75/15	1.75/15	1.75/15	0.36/15	0.36/15	0.36/15	0.36/15	0.36/15	0.36/15
0.07	0.10	0.46	0.46	0.36	0.80	0.27	0.14	0.27	0.07	0.07	0.07	0.07	0.07	0.20
1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8	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	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8	1, 2, 3, 4, 5, 6, 7, 8

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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

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.

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

MECHANICAL SCHEDULES

Scale: As indicated

M9.04

MN

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	HBC Room	Storage	Resident	Resident	Resident
	M-NET Address	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Model	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW006MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW006MA1W0A	TPEFYW006MA1W0A	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)	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	6,000	6,000	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	6,700	6,700	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	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	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	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	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	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	5,689.5	5,689.5	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	5,647.6	5,647.6	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	4,157.3	4,157.3	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	61.6	61.6	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	83.3	83.3	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	HIGH	HIGH
	Peak Fan Airflow (cfm) / [Design gpm]	371	371	371	371	371	371	300	371	371	300	300	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	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	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	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	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	1.40	1.40	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	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	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	1.75/15	1.75/15	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	0.14	0.14	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	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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Nelson Care Center Renovation

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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 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

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

MECHANICAL SCHEDULES

Scale: As Indicated

M9.05

100% CD SET

M

MN

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

South Wing	South Wing	South Wing	South Wing	South Wing	West Wing	West Wing	West Wing	West Wing	West Wing	West Wing	West Wing	West Wing	West Wing	West Wing	West Wing
FCU 3-24	FCU 3-22	FCU 3-21	FCU 3-20	FCU 3-19	FCU 3-01	FCU 3-02	FCU 3-04	FCU 3-06	FCU 3-07	FCU 3-08	FCU 3-09	FCU 3-10	FCU 3-12	FCU 3-11	FCU 3-40
Resident	Resident	Double Resident Room	Resident	Resident	Resident	Resident	Resident	Resident	Resident	Resident	Resident	Resident	Resident	Care Suite	Resident
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW018MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW012MA1W0A	TPEFYW015MA1W0A	TPEFYW006MA1W0A
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)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)
12,000	12,000	18,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	15,000	6,000
13,500	13,500	20,000	13,500	13,500	13,500	13,500	13,500	13,500	13,500	13,500	13,500	13,500	13,500	17,000	6,700
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	80.0/67.0	80.0/67.0	80.0/67.0	80.0/67.0
70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND
FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND
3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11,379.0	11,379.0	17,068.5	11,379.0	11,379.0	10,239.2	10,239.2	10,239.2	10,239.2	10,239.2	10,239.2	10,239.2	10,239.2	10,239.2	12,798.9	5,119.6
8,103.9	8,103.9	14,764.8	8,103.9	8,103.9	7,644.5	7,644.5	7,644.5	7,644.5	7,644.5	7,644.5	7,644.5	7,644.5	7,644.5	10,508.1	5,119.6
9,179.8	9,179.8	13,599.7	9,179.8	9,179.8	7,216.7	7,216.7	7,216.7	7,216.7	7,216.7	7,216.7	7,216.7	7,216.7	7,216.7	9,087.7	3,581.6
58.6	58.6	60.5	58.6	58.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.2	63.3
93.8	93.8	87.6	93.8	93.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	87.7	81.5
HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH
371	371	742	371	371	371	371	371	371	371	371	371	371	371	494	300
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	26-30-34	26-30-34	26-30-34	26-30-34
0.9	0.9	2.1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.2	0.9
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	208/230V/1-phase	208/230V/1-phase	208/230V/1-phase	208/230V/1-phase
0.085	0.085	0.121	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.121	0.085
1.70	1.70	2.25	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	2.30	1.40
0.085	0.085	0.121	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.085	0.121	0.085
1.4	1.4	2.25	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.25	1.4
2.13/15	2.13/15	2.81/15	2.13/15	2.13/15	2.13/15	2.13/15	2.13/15	2.13/15	2.13/15	2.13/15	2.13/15	2.13/15	2.13/15	2.88/15	1.75/15
0.39	0.39	0.36	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.39	0.46	0.14
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	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

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

Central Area and Hallways	Central Area and Hallways	Central Area and Hallways	Central Area and Hallways	Central Area and Hallways	Central Area and Hallways	Central Area and Hallways	Central Area and Hallways
FCU 3-13	FCU 3-18	FCU 3-16	FCU 3-14	FCU 3-15	FCU 3-31	FCU 3-23	FCU 3-05
Nursing Station	Fitness Room	Nursing Office	Nurse Office Manager	Activity Office	Hallway East Wing	Hallway South Wing	Hallway West Wing
31	32	33	34	35	36	37	38
TPEFYW030MA1W0A	TPEFYW006MA1W0A	TPEFYW008MA1W0A	TPLFYW04FM1W0A	TPLFYW04FM1W0A	TPEFYW024MA1W0A	TPEFYW024MA1W0A	TPEFYW030MA1W0A
Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Cassette (Four-Way)	Ceiling-Cassette (Four-Way)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)	Ceiling-Concealed (Ducted)
30,000	6,000	8,000	4,000	4,000	24,000	24,000	30,000
34,000	6,700	9,000	4,500	4,500	27,000	27,000	34,000
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
70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND
FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND	FULL DEMAND
1-1/4	3/4	3/4	3/4	3/4	1-1/4	1-1/4	1-1/4
25,739.9	5,148.0	6,864.0	3,432.0	3,432.0	20,591.9	20,591.9	25,739.9
19,890.0	5,148.0	5,996.9	3,186.6	3,186.6	17,917.7	17,917.7	19,890.0
18,186.0	3,583.7	4,813.9	2,407.0	2,407.0	14,441.8	14,441.8	18,186.0
57.9	63.2	60.4	67.3	67.3	60.1	60.1	57.9
89.8	81.5	85.4	79.4	79.4	85.7	85.7	89.8
HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH	HIGH
883	300	300	245	245	883	883	883
26-30-34	26-30-34	26-30-34	25-26-27	25-26-27	26-30-34	26-30-34	26-30-34
2.1	0.9	0.9	0.5	0.5	2.1	2.1	2.1
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
0.121	0.085	0.085	0.020	0.020	0.121	0.121	0.121
2.30	1.40	1.40	0.02	0.02	2.30	2.30	2.30
0.121	0.085	0.085	0.05	0.05	0.121	0.121	0.121
2.25	1.4	1.4	0.29	0.29	2.25	2.25	2.25
2.88/15	1.75/15	1.75/15	0.36/15	0.36/15	2.88/15	2.88/15	2.88/15
1.04	0.14	0.27	0.07	0.07	0.80	0.80	1.04
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	1, 2, 3, 4, 5, 6, 7, 8	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

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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

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

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

MECHANICAL SCHEDULES

Scale: As Indicated

M9.06

MN

ELECTRICAL SYMBOL SCHEDULE

SYMBOL	DESCRIPTION
	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.
# / E#	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
SLS	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.

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	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: 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.	46"
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	46"
MC / S	MASTER CONTROL STATION	
MD / S MD / S	MOTION DETECTOR; ARROW INDICATES DIRECTION. (WALL OR CEILING MOUNTED).	
CS / S	CONTROL SWITCH - INTERVIEW ROOM ACTIVITY. REFER TO DETAIL.	46"
IL / S IL / S	INDICATOR LIGHT - INTERVIEW ROOM ACTIVITY. REFER TO DETAIL.	
S S	SURVEILLANCE CAMERA. (WALL OR CEILING MOUNTED, 1"C. BUSHED EMT TO ACCESSIBLE CEILING).	
S S	MULTI-LENS SURVEILLANCE CAMERA. (WALL OR CEILING MOUNTED, 1"C. BUSHED EMT TO ACCESSIBLE CEILING).	

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	COMMUNICATION DEVICES	
S xx S	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"
S xx S	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 S/# S xx	SPEAKER WITH BACKBOX (WALL OR CEILING). xx INDICATES THE FOLLOWING: PA = P.A. SYSTEM, V = WITH INTEGRAL VOLUME CONTROL, /# = 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 C	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-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.	

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
	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
	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.	

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

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

ELECTRICAL DRAWINGS

E0.00 ELECTRICAL SYMBOLS AND ABBREVIATIONS
E0.02 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 & FA PLAN - ADMIN BLDG
E2.001a POWER & FA PLAN - AREA 'A'
E2.001b POWER & FA PLAN - AREA 'B'
E2.001c POWER & FA 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

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.

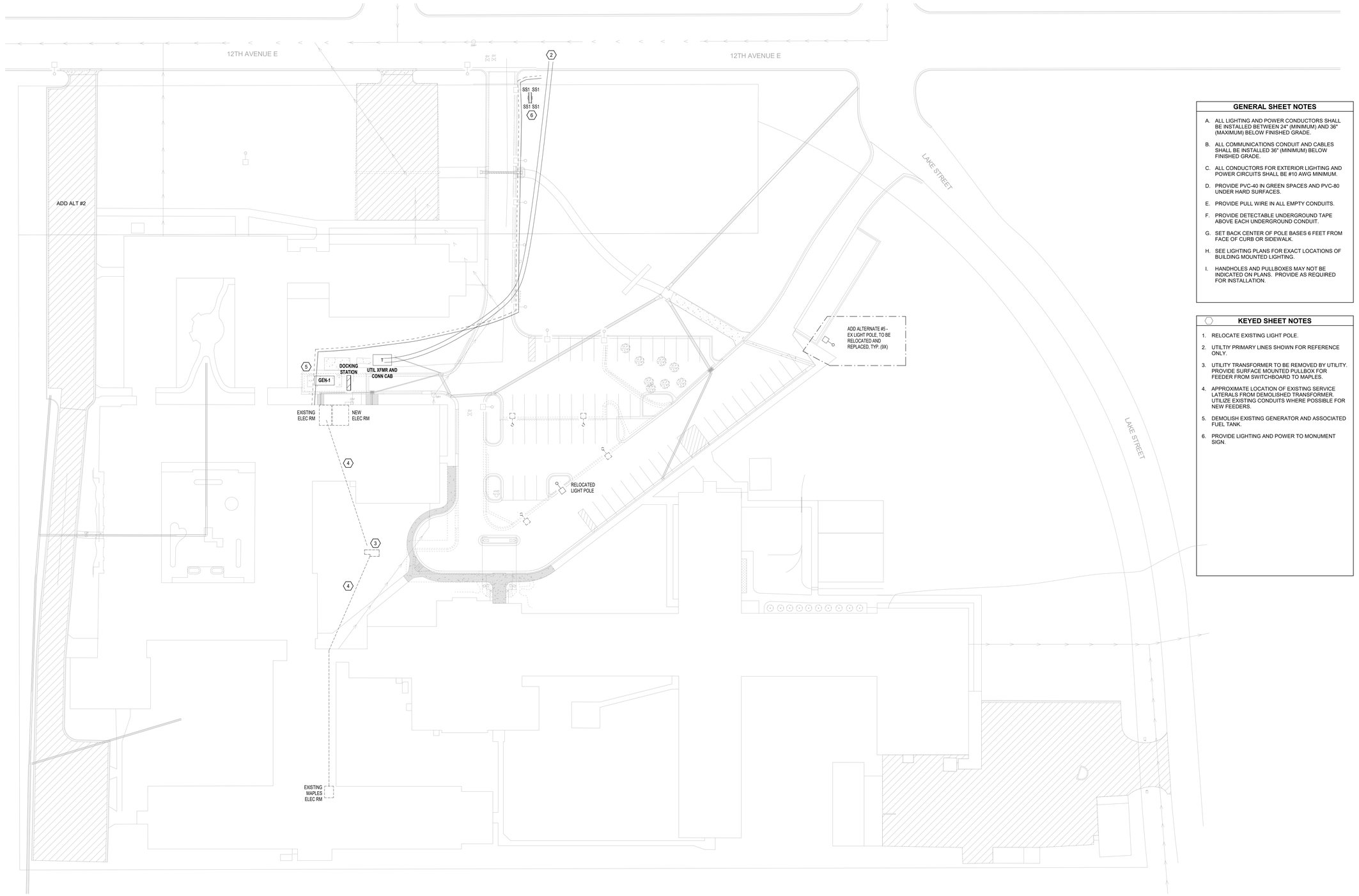
O. COORDINATE ALL WORK WITH OTHER CONTRACTORS AND OWNER.

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

MN



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

E

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.

100% CD SET

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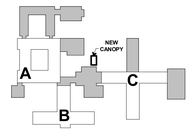

KEY PLAN

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

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

North

Scale: **As indicated**

ELECTRICAL SITE PLAN

E0.02

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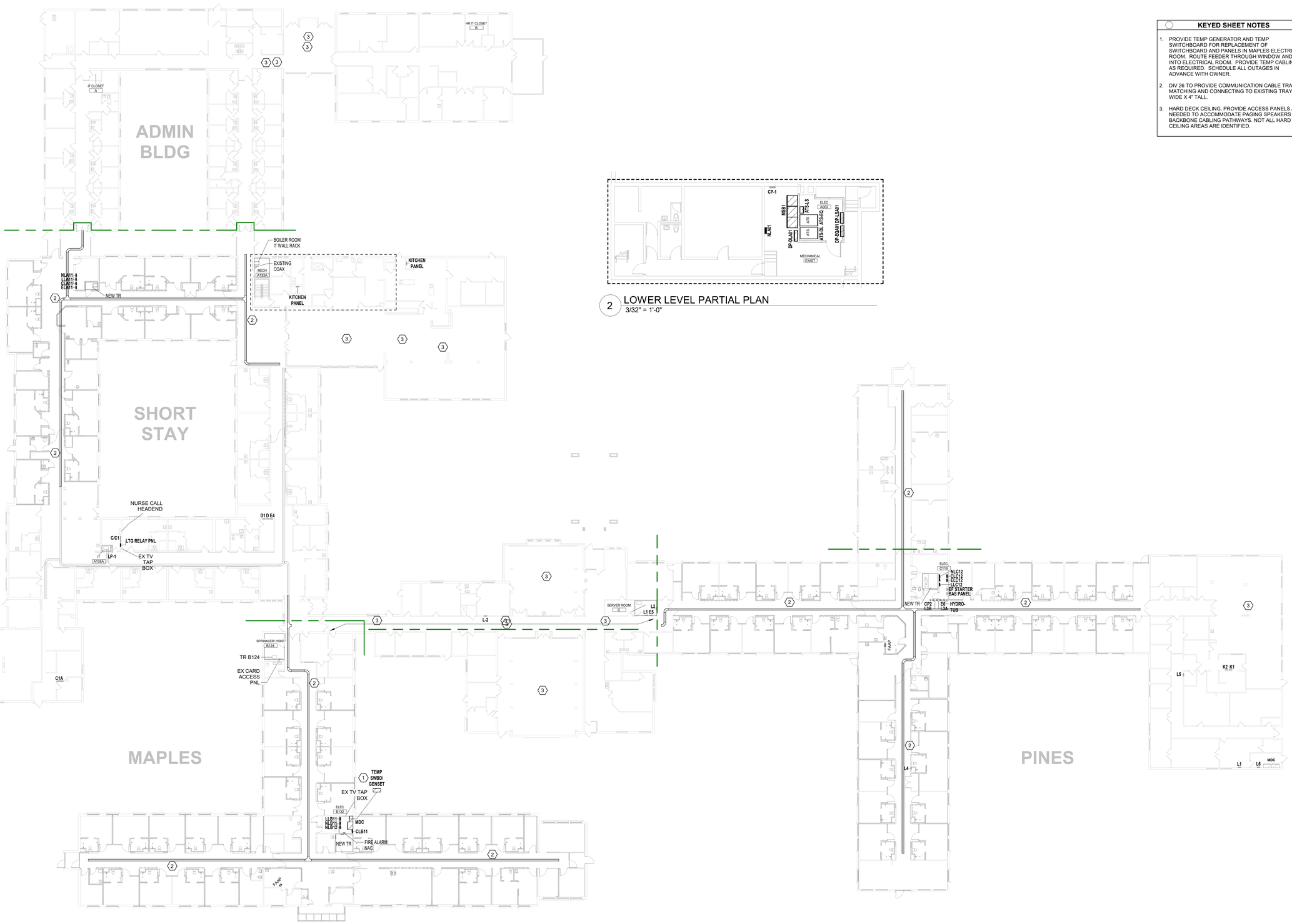

1 OVERALL PLAN
1" = 20'-0"

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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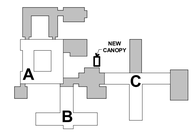

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North

OVERALL PLAN

Scale: As Indicated

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E0.003

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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.

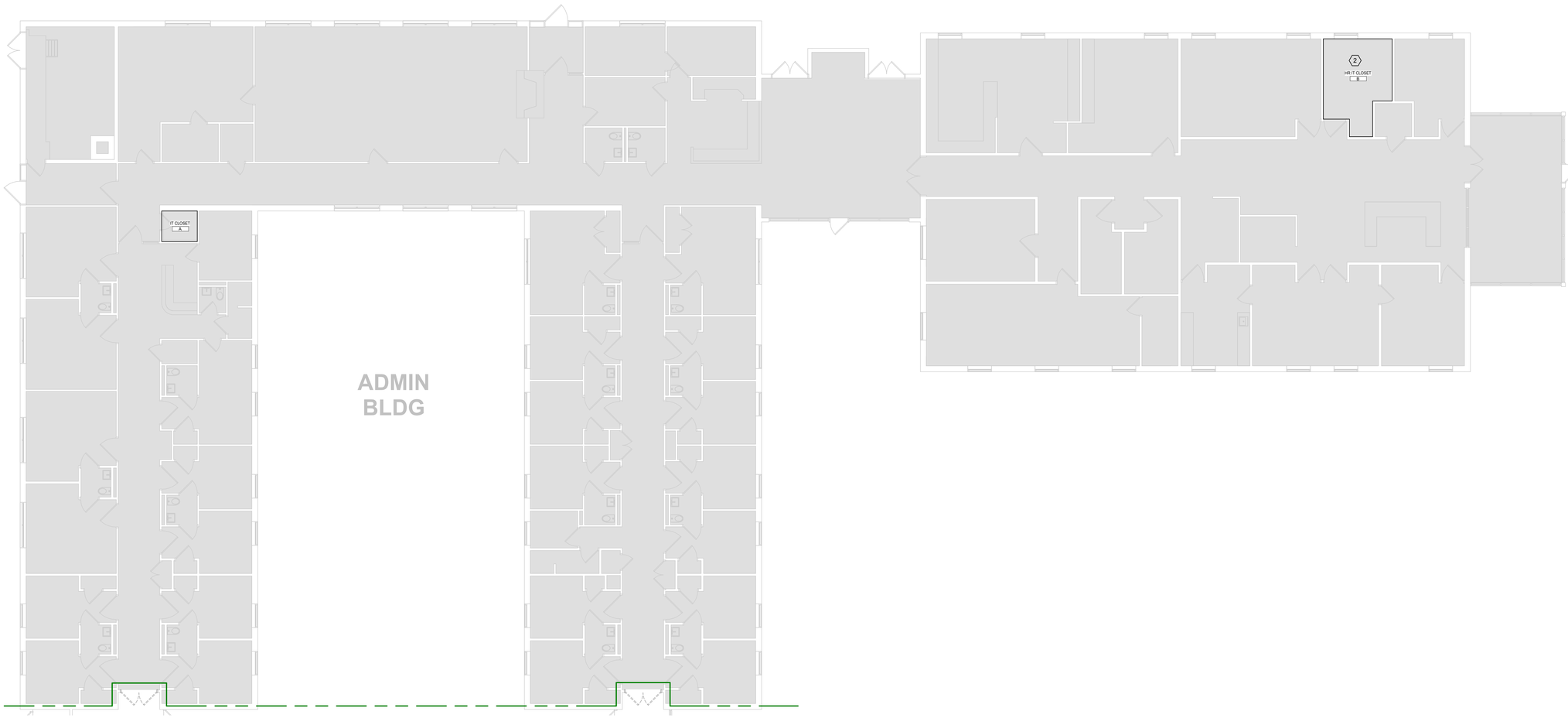
J. DEMOLISH DUCT SMOKE DETECTORS AND DAMPERS AS REQUIRED BY MECH.

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. NOT USED.
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.



1 ELECTRICAL DEMOLITION PLAN - ADMIN BLDG
1/8" = 1'-0"

E

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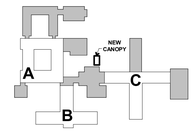

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Drawn: H. Nelson
Check: S. Chhum

North

ELECTRICAL DEMOLITION PLAN - ADMIN BLDG

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

E0.011

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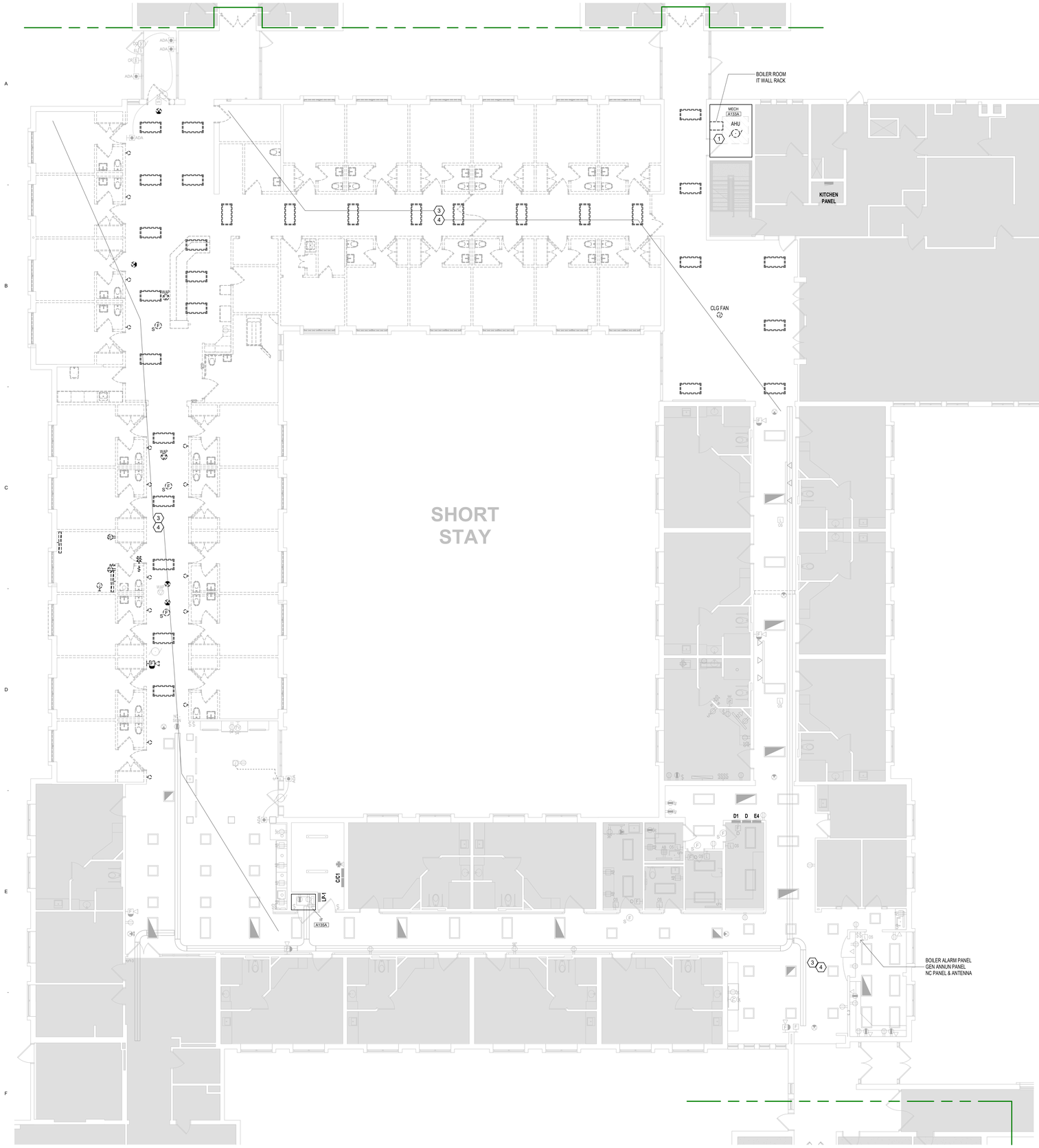
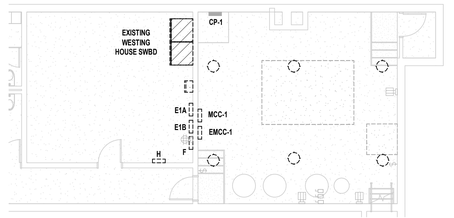


E

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



2 LOWER LEVEL DEMOLITION PLAN
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. NOT USED.
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.

100% CD SET

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Nelson Care Center Renovation

420 12th Ave E,
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Vivie
2209 Jefferson St. Suite 201
Alexandria, MN 56308

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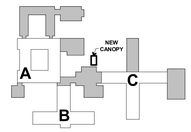
Minneapolis, Minnesota 55402
woldae.com | 612 772 9025



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

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

North

ELECTRICAL DEMOLITION PLAN - AREA 'A'

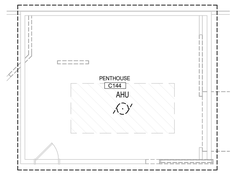
Scale: 1/8" = 1'-0"

E0.011a

MN

E

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



2 PENTHOUSE DEMOLITION
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.

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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.

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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.
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100% CD SET

Nelson Care Center Renovation

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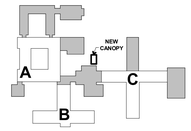

KEY PLAN

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

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

North

Scale: As Indicated

ELECTRICAL DEMOLITION PLAN - AREA 'B'

E0.011b

Architects Direct Website: Nelson Care Center Renovation/Revit Files - Nelson Care Center_2025_RevitCentral
Central: C:\Users\hnelson\Documents\Revit MEP\Temporary2025\Nelson Care Center_2025_RevitCentral.rvt
8/29/2025 7:57:39 AM

MN

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

E

GENERAL SHEET NOTES

A. SOME NOTES MAY NOT APPLY TO THIS SHEET.

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KEY PLAN

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

Revisions		
Description	Date	Num

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

North

ELECTRICAL DEMOLITION PLAN - AREA 'C'

Scale: **As Indicated**

100% CD SET

E0.011c

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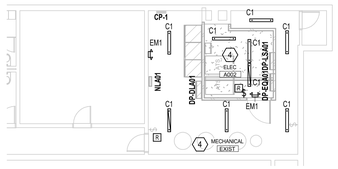


2 LOWER LEVEL LIGHTING PLAN
3/32" = 1'-0"

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.

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.

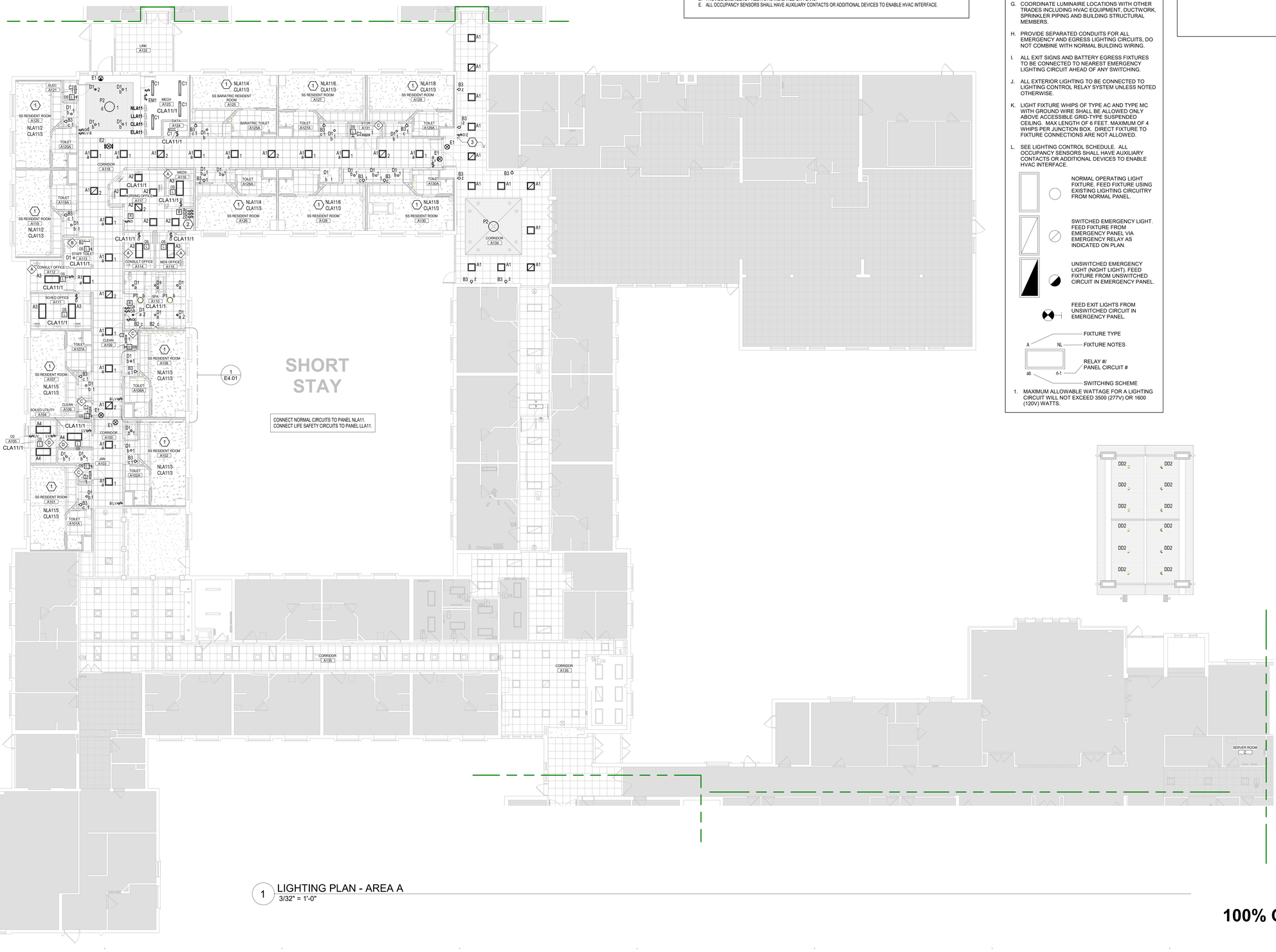
K. LIGHT FIXTURE WHIPS OF TYPE AC AND TYPE MC WITH GROUND WIRE SHALL BE ALLOWED ONLY ABOVE ACCESSIBLE GRID-TYPE SUSPENDED CEILING. MAX LENGTH OF 6 FEET. MAXIMUM OF 4 WHIPS PER JUNCTION BOX. DIRECT FIXTURE TO FIXTURE CONNECTIONS ARE NOT ALLOWED.

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

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

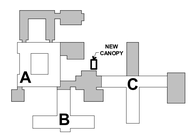
KEYED SHEET NOTES

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 TYPE 'B3' AND 'P2' LIGHTING TYPES.
4. CONNECT NEW LIGHTING TO EXISTING LIGHTING CIRCUITS.



1 LIGHTING PLAN - AREA A
3/32" = 1'-0"

100% CD SET



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

Revisions		
Description	Date	Num

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

North

Scale: As indicated

LIGHTING PLAN - AREA 'A'

E1.001a

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E

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MN

E

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 SWITCHLOCATIONS (3-WAY SWITCHING) IF INDICATED ON PLANS.
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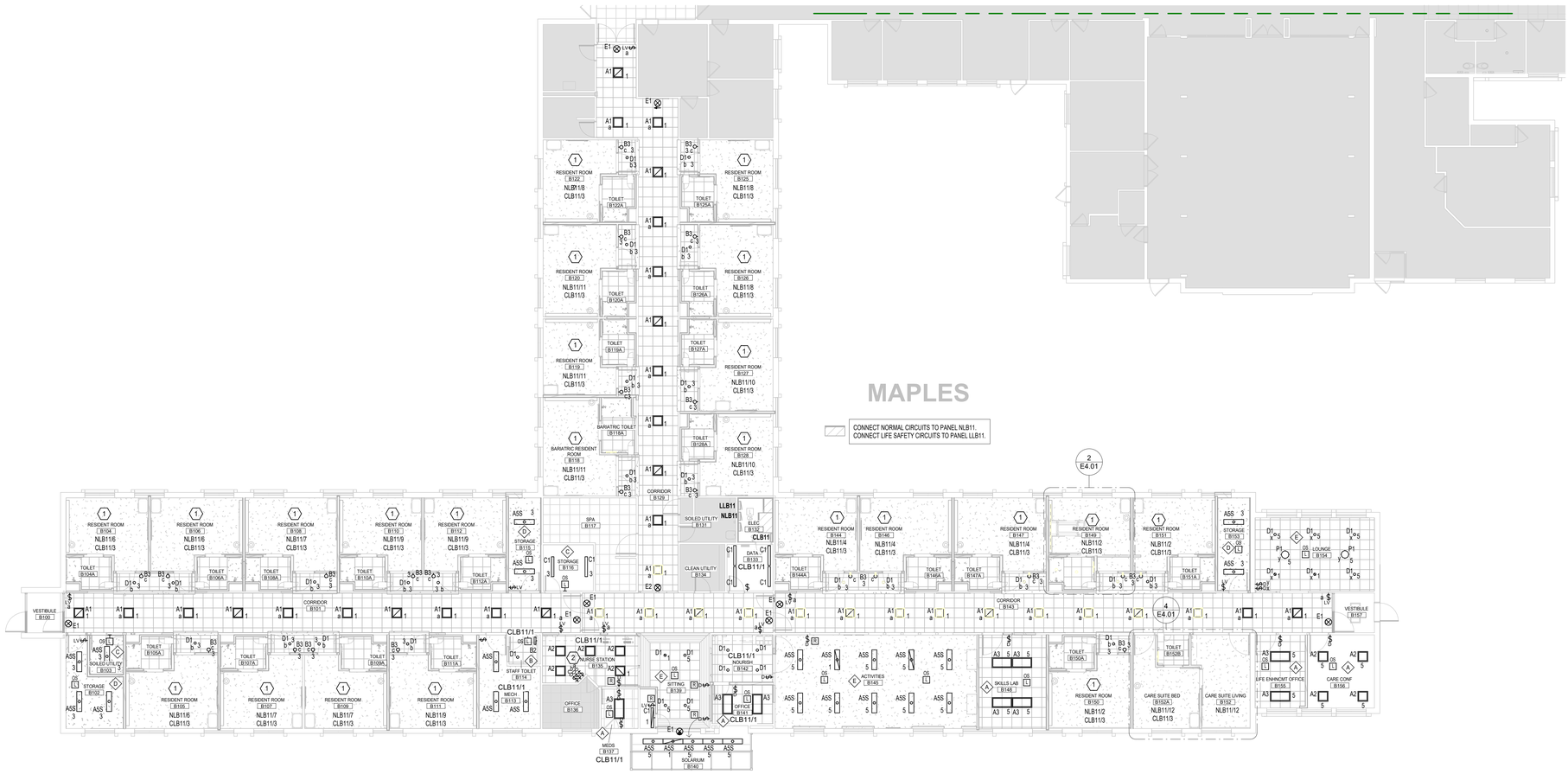
D. PROVIDE EMERGENCY RELAYS AS INDICATED ON PLANS.
E. ALL OCCUPANCY SENSORS SHALL HAVE AUXILIARY CONTACTS OR ADDITIONAL DEVICES TO ENABLE HVAC INTERFACE.



1 LIGHTING PLAN - AREA B
3/32" = 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 #
n-1 — SWITCHING SCHEME

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

KEYED SHEET NOTES

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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 TYPE 'B3' AND 'P2' LIGHTING TYPES.
4. CONNECT NEW LIGHTING TO EXISTING LIGHTING CIRCUITS.

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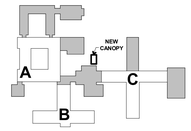

KEY PLAN

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

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

North

Scale: **As Indicated**

100% CD SET

LIGHTING PLAN - AREA 'B'

E1.001b

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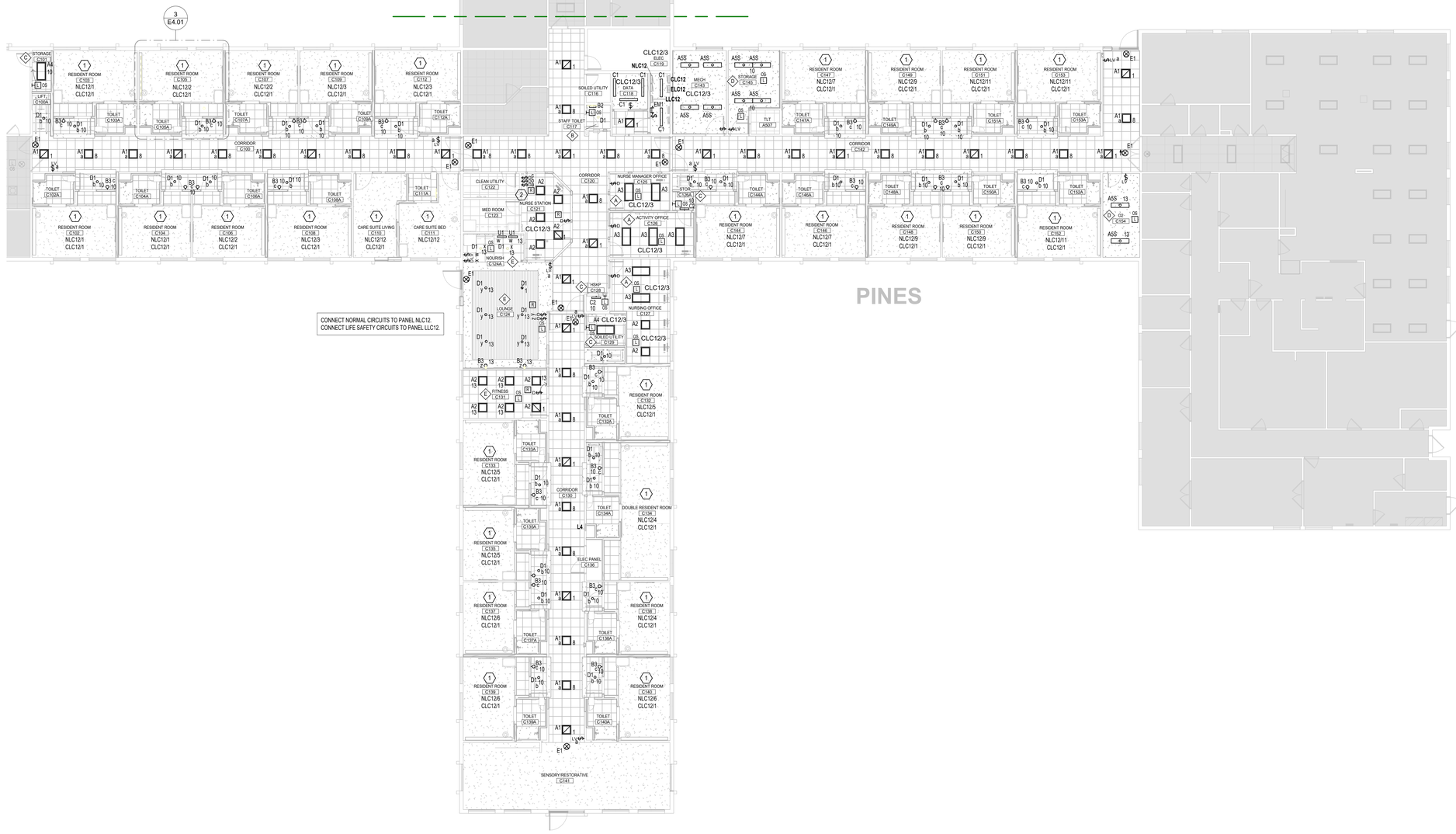
LIGHTING CONTROLS SCHEDULE

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.



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 #
fi-1 — SWITCHING SCHEME

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

KEYED SHEET NOTES

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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.
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1 LIGHTING PLAN - AREA C
3/32" = 1'-0"

100% CD SET

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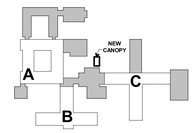

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SITHA CHHUM
License Number: 54883 Date 08/29/2025

Revisions		
Description	Date	Num

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

North

LIGHTING PLAN - AREA 'C'

Scale: As indicated

E1.001c

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MN

E

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

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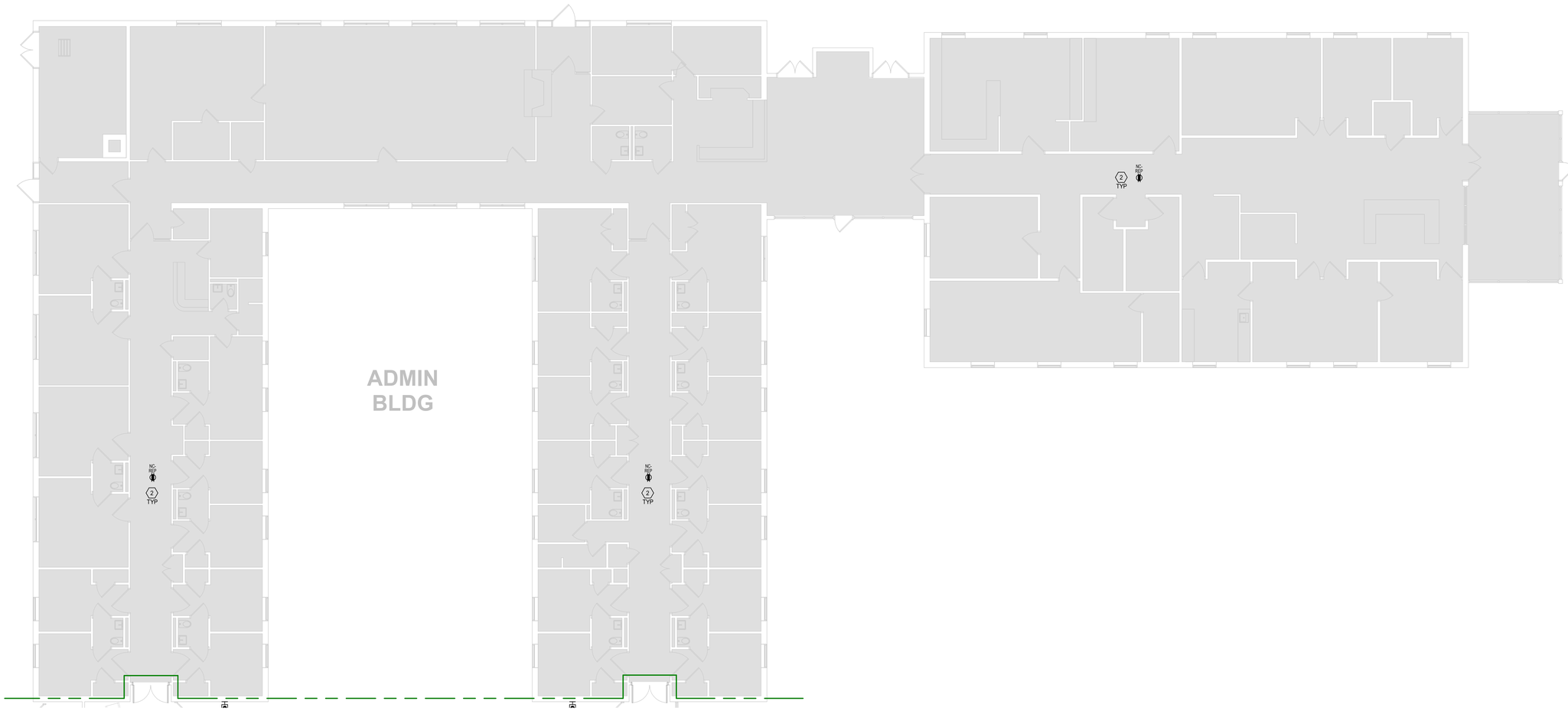
2. CONNECT TO NEAREST CRITICAL BRANCH CIRCUIT WITH CAPACITY. FIELD VERFIY.



1 POWER & FA PLAN - ADMIN BLDG
1/8" = 1'-0"

100% CD SET

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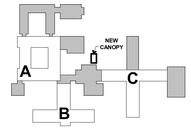

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Revisions		
Description	Date	Num

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

North

POWER & FA PLAN - ADMIN BLDG

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

E2.001

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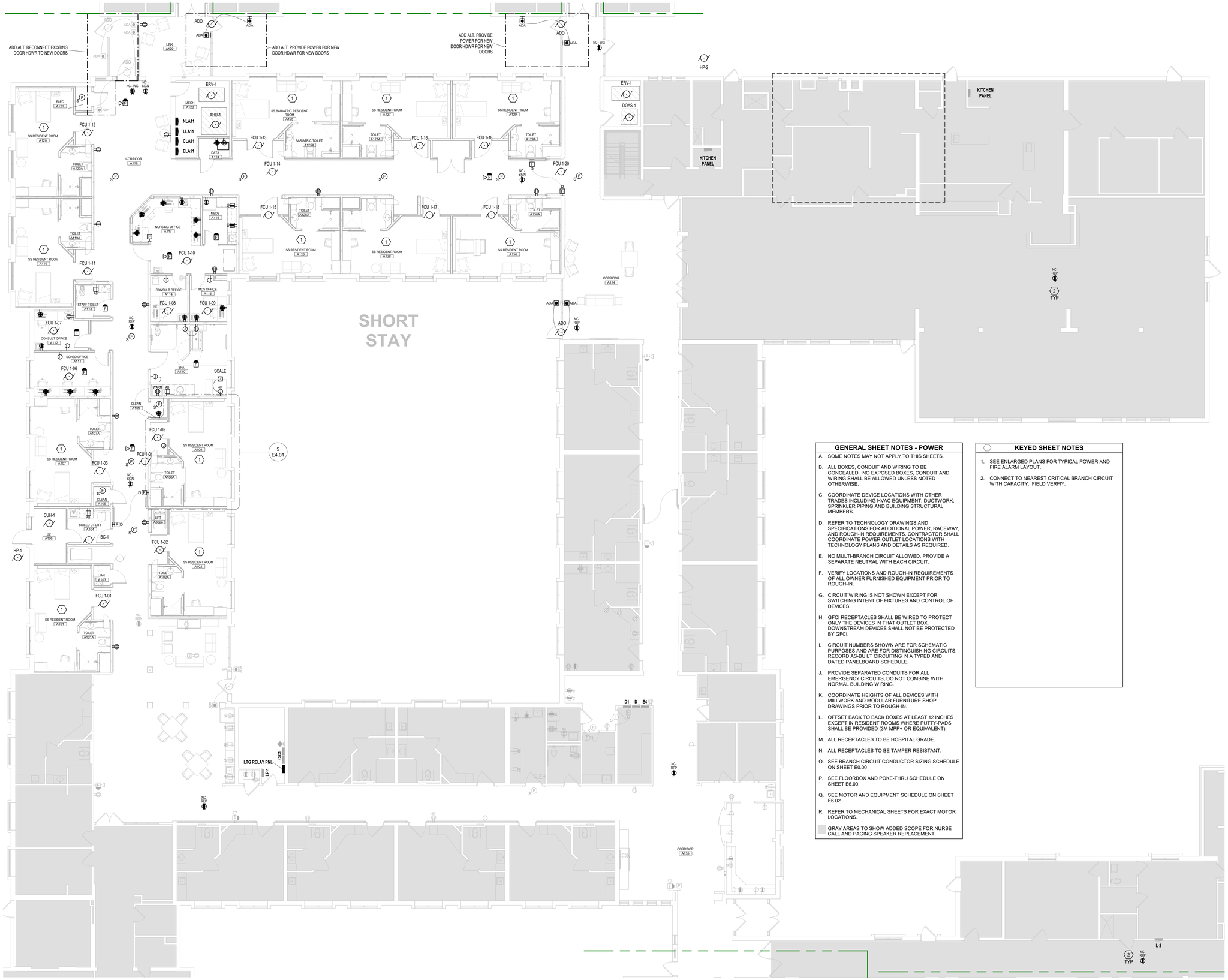
E



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.

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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).

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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.

1 POWER & FA PLAN - AREA A
1/8" = 1'-0"

100% CD SET

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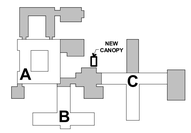

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Revisions		
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Drawn: H. Nelson
Check: S. Chhum

North

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

POWER & FA PLAN - AREA 'A'

E2.001a

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Central: https://acc.autodesk.com/view/cloud.html?entityId=2f4f7ee4ebeb4c2f9f4ecaeeaa1e4e4e
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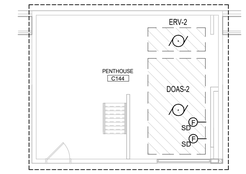
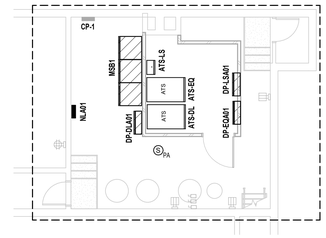
1 POWER & FA PLAN - AREA B
1/8" = 1'-0"



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.

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L. OFFSET BACK TO BACK BOXES AT LEAST 12 INCHES EXCEPT IN RESIDENT ROOMS WHERE PUTTY-PADS SHALL BE PROVIDED (3M MPP+ OR EQUIVALENT).

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P. SEE FLOORBOX AND POKE-THRU SCHEDULE ON SHEET E6.00.

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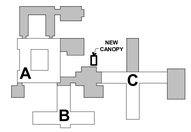

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Drawn: H. Nelson
Check: S. Chhum

North

POWER & FA PLAN - AREA 'B'

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

100% CD SET

E2.001b

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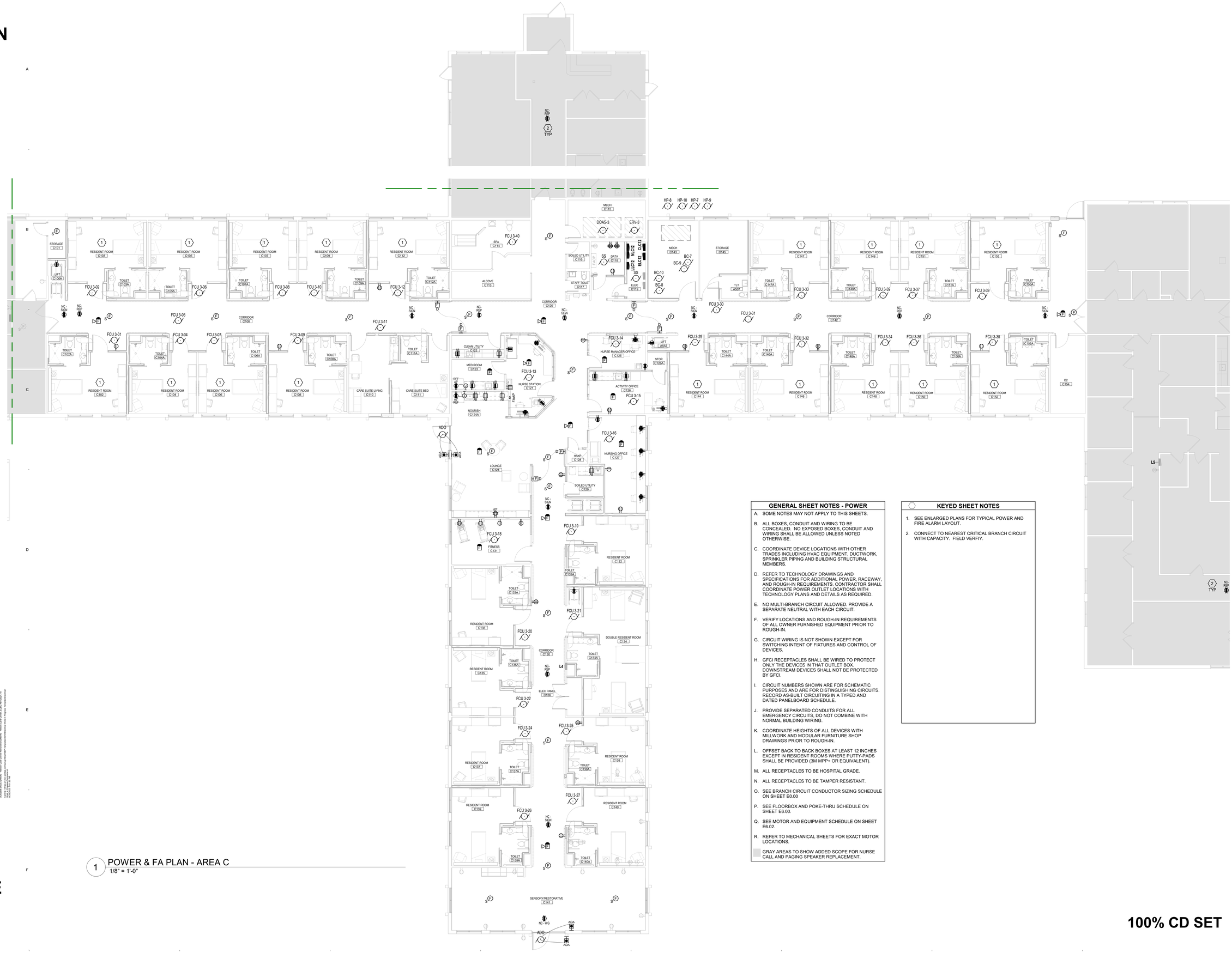

GENERAL SHEET NOTES - POWER

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P. SEE FLOORBOX AND POKE-THRU SCHEDULE ON SHEET E6.00.

Q. SEE MOTOR AND EQUIPMENT SCHEDULE ON SHEET E6.02.

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KEYED SHEET NOTES

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2. CONNECT TO NEAREST CRITICAL BRANCH CIRCUIT WITH CAPACITY. FIELD VERFIY.

1 POWER & FA PLAN - AREA C
1/8" = 1'-0"

E

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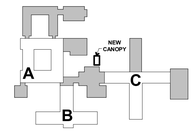


KEY PLAN

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

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

North

POWER & FA PLAN - AREA 'C'

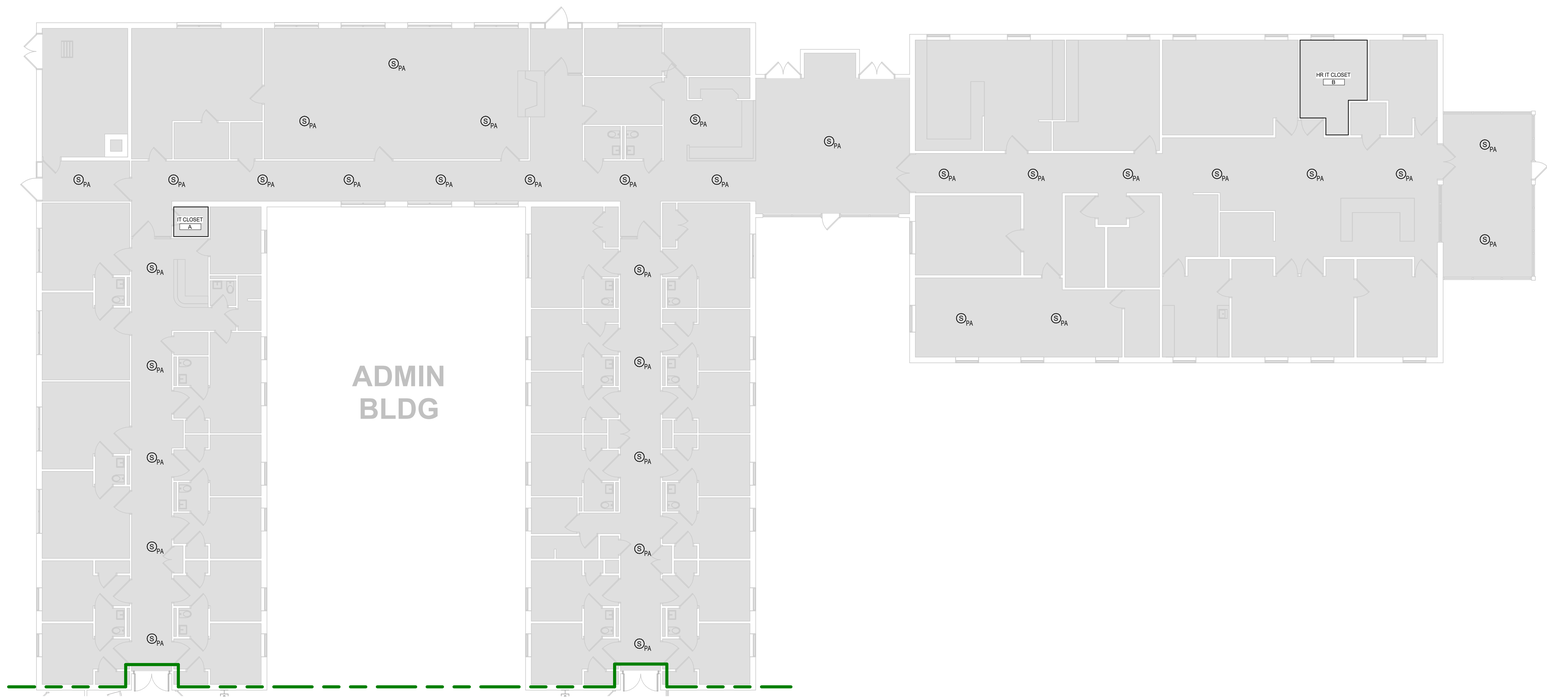
100% CD SET

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

E2.001c

MN

E



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.

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.

Nelson Care Center Renovation

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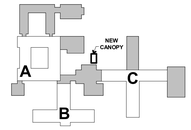

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License Number: 54883 Date 08/29/2025

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Description	Date	Num

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

North

SYSTEMS PLAN - ADMIN BLDG

100% CD SET

Scale: As indicated

E3.001

Architect Firm 2000Inc Nelson Care Center Renovation2025 Nelson Care Center_R25V Backfill.rvt
Central Time (US and Canada)
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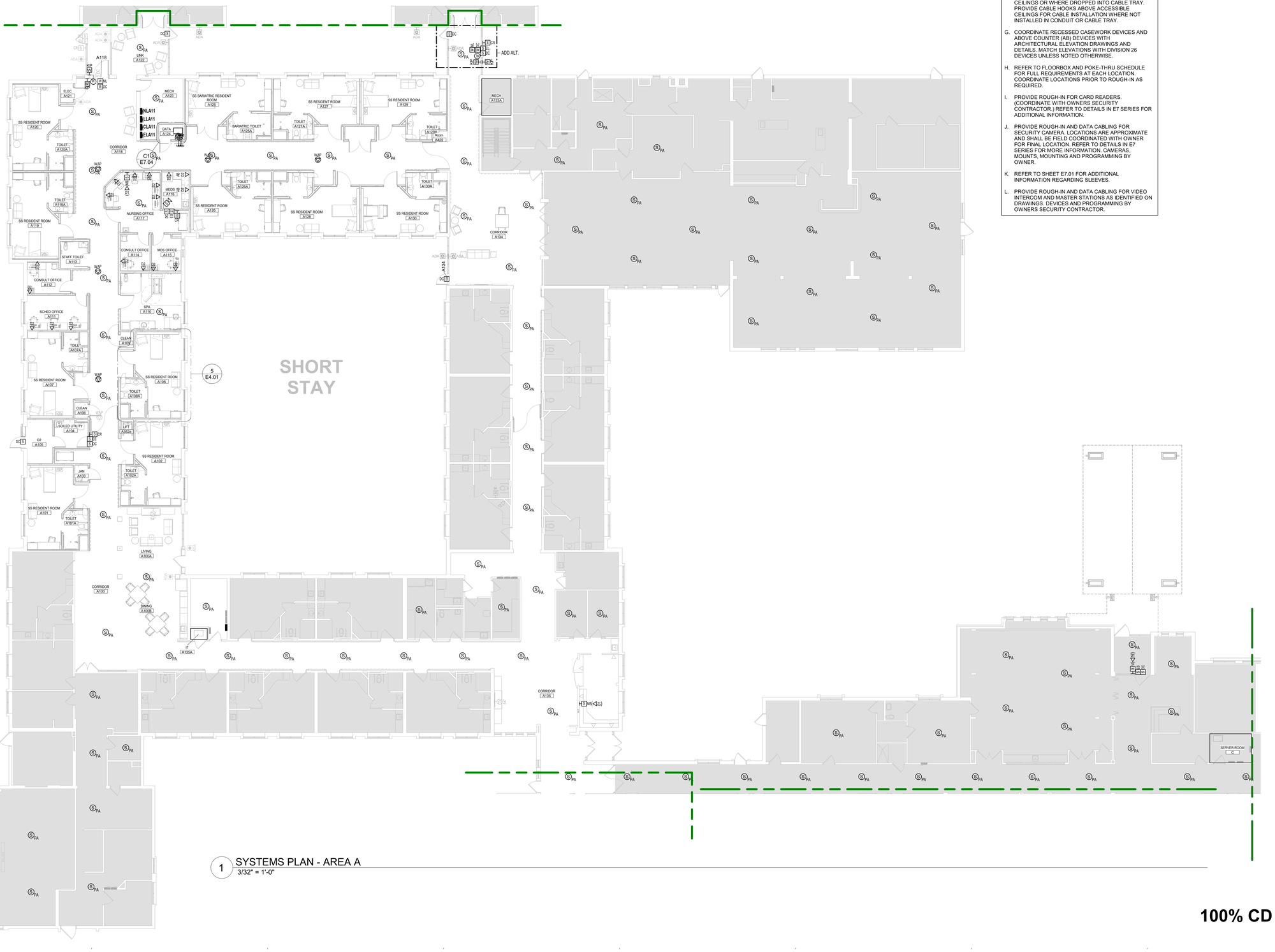

1 SYSTEMS PLAN - AREA A
3/32" = 1'-0"

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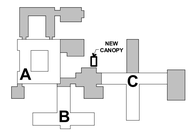

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SITHA CHHUM
License Number: 54883 Date: 08/29/2025

Revisions		
Description	Date	Num

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

North

SYSTEMS PLAN - AREA 'A'

Scale: As indicated

100% CD SET

E3.001a

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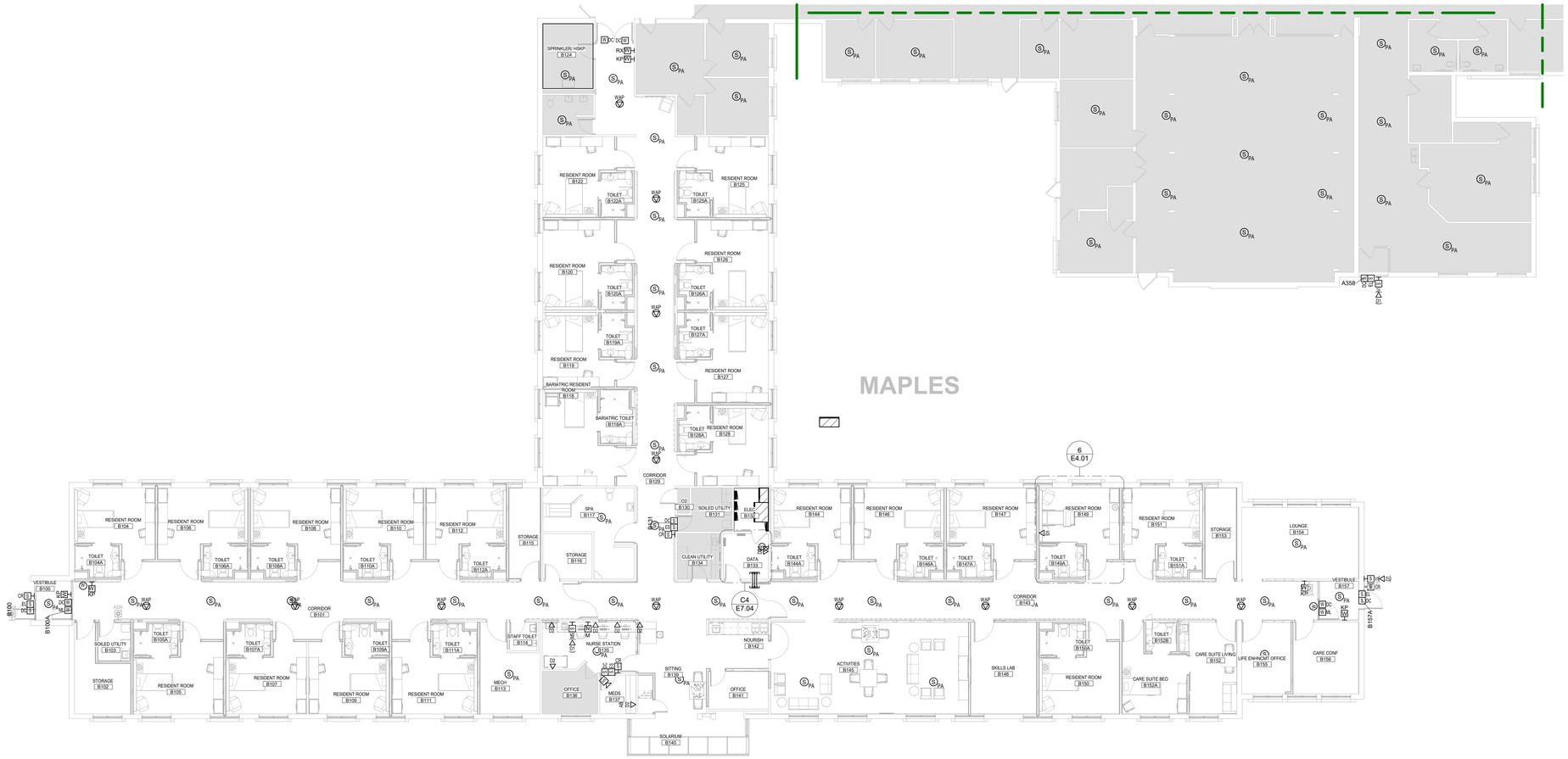

1 SYSTEMS PLAN - AREA B
3/32" = 1'-0"

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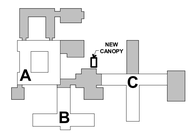

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SITHA CHHUM
License Number: **54883** Date **08/29/2025**

Revisions		
Description	Date	Num

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

North

SYSTEMS PLAN - AREA 'B'

Scale: **As indicated**

100% CD SET

E3.001b

E

Architect Docs:246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_ELEC Rev2024.rvt
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Date & Time Plotted:
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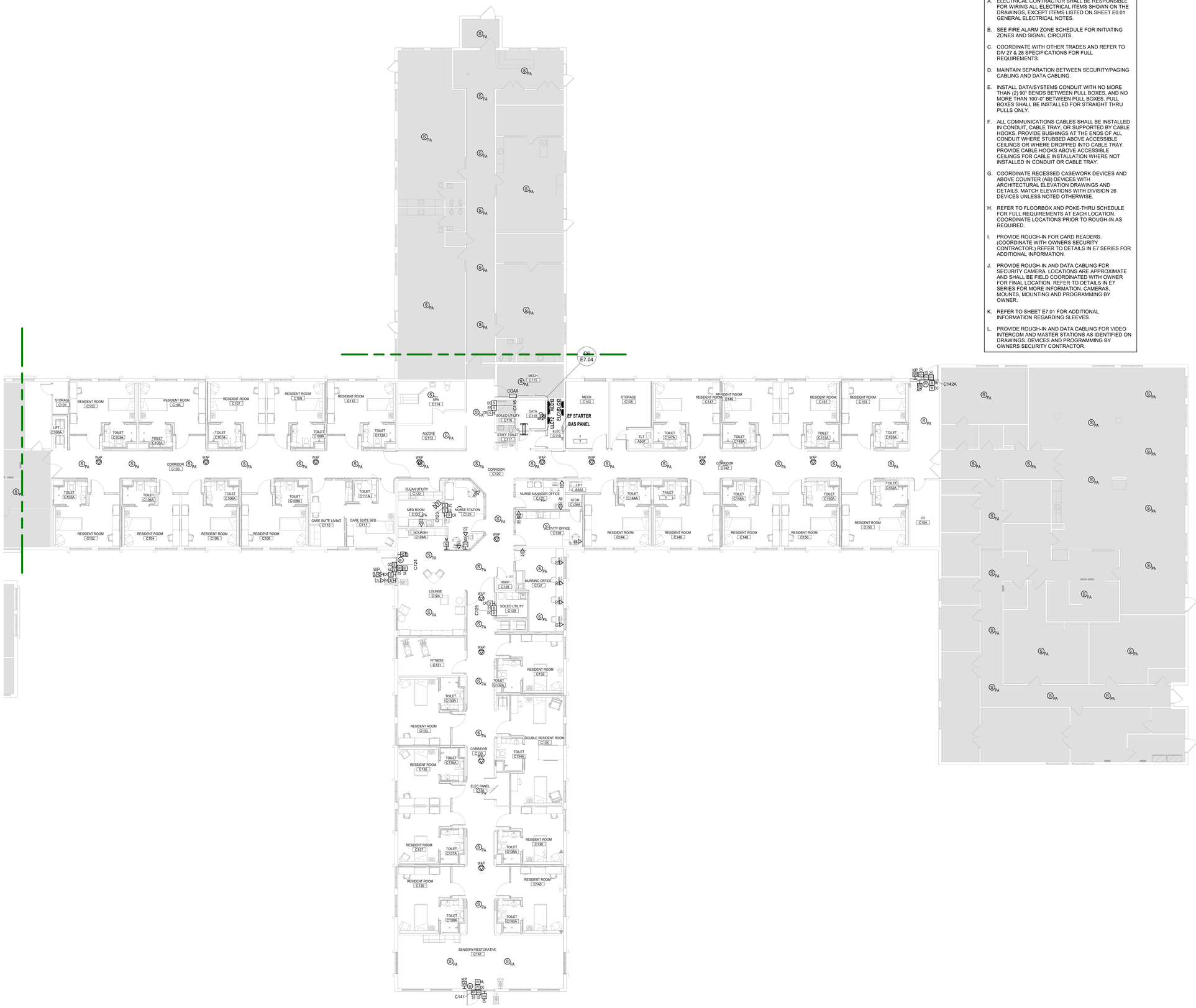
E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MECH C115
COAX
SOILED UTILITY C116
DATA C118
ELEC C119
E7 STARTER
BAS PANEL
MECH C143
STORAGE C145
STAFF TOILET C117
ALCOVE C113
STORAGE C101
RESIDENT ROOM C103
RESIDENT ROOM C105
RESIDENT ROOM C107
RESIDENT ROOM C109
RESIDENT ROOM C112
SPA C114
LIFT C100A
TOILET C103A
TOILET C105A
TOILET C107A
TOILET C109A
TOILET C112A
CORRIDOR C100
CORRIDOR C120
CORRIDOR C142
RESIDENT ROOM C147
RESIDENT ROOM C149
RESIDENT ROOM C151
RESIDENT ROOM C153
TLT A507
TOILET C147A
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C142A
C154
TOILET C102A
TOILET C104A
TOILET C106A
TOILET C108A
TOILET C111A
RESIDENT ROOM C102
RESIDENT ROOM C104
RESIDENT ROOM C106
RESIDENT ROOM C108
CARE SUITE LIVING C110
CARE SUITE BED C111
CLEAN UTILITY C122
MED ROOM C121
NURSE STATION C151
NOURISH C126A
NURSE MANAGER OFFICE C150
LIFT A552
STOR C130A
ACTIVITY OFFICE C130
TOILET C144A
T-TOILET
TOILET C146A
TOILET C150A
TOILET C152A
RESIDENT ROOM C144
RESIDENT ROOM C146
RESIDENT ROOM C148
RESIDENT ROOM C150
RESIDENT ROOM C152
C124
LOUNGE C124
HSKP C128
NURSING OFFICE C127
SOILED UTILITY C129
C129
FITNESS C131
RESIDENT ROOM C132
TOILET C132A
TOILET C133A
RESIDENT ROOM C133
DOUBLE RESIDENT ROOM C134
TOILET C134A
CORRIDOR C130
TOILET C135A
RESIDENT ROOM C135
ELEC PANEL C150
RESIDENT ROOM C137
TOILET C137A
RESIDENT ROOM C138
TOILET C138A
RESIDENT ROOM C139
RESIDENT ROOM C140
TOILET C139A
TOILET C140A
SENSORY/RESTORATIVE C141
C141
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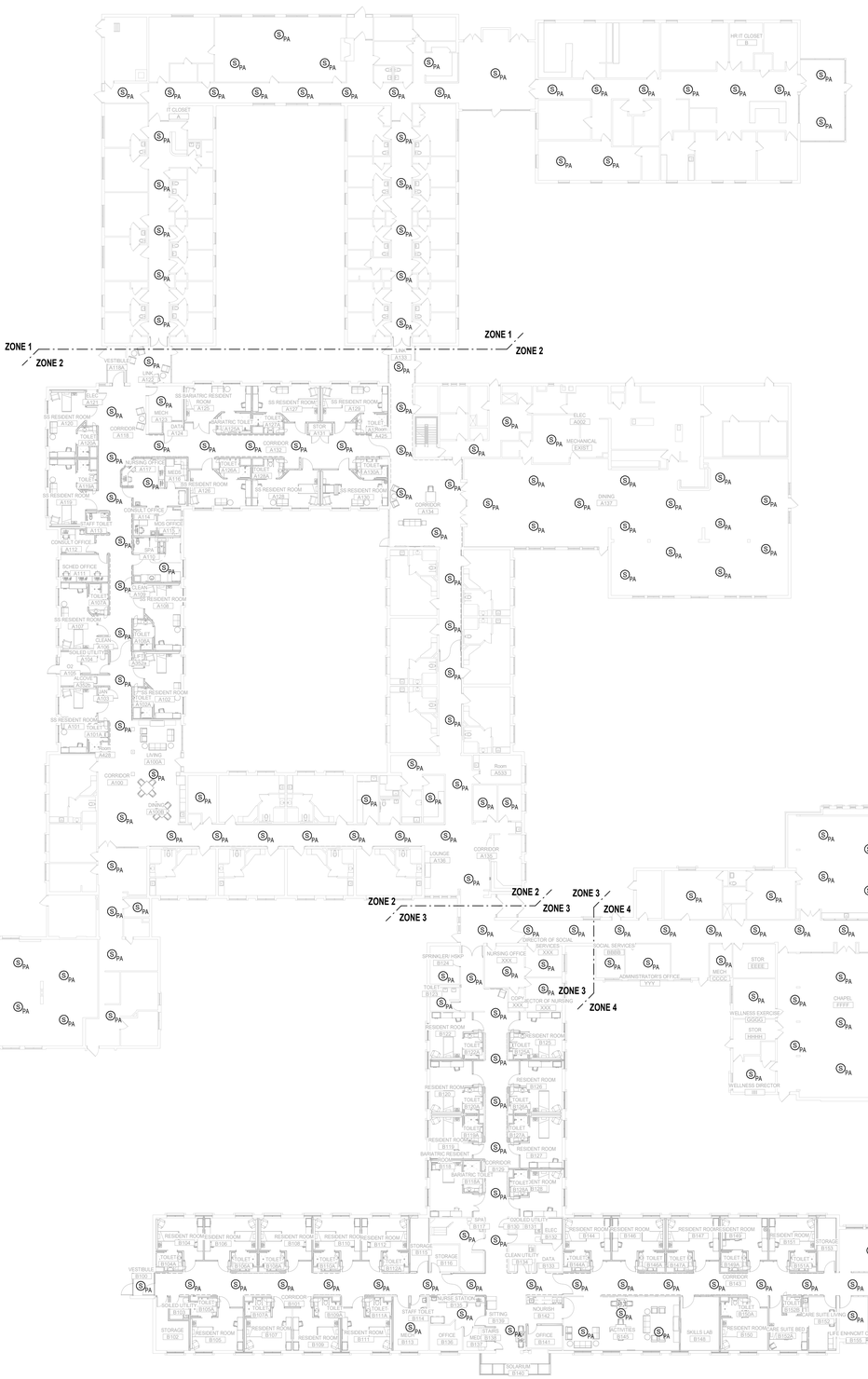
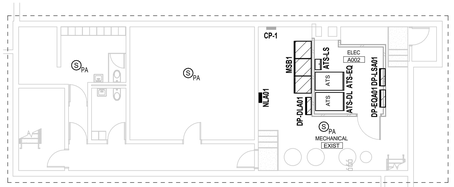


F1 SYSTEMS PLAN - PA SPEAKER LAYOUT
1" = 20'-0"



B4 LOWER LEVEL PARTIAL PLAN - SYSTEMS
3/32" = 1'-0"

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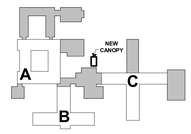

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SITHA CHHUM
License Number: 54883 Date 08/29/2025

Revisions		
Description	Date	Num

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

SYSTEMS PLAN - PA SPEAKER & ZONING LAYOUT

100% CD SET

Scale: As Indicated

E3.002

E

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center (E-ELE Rev25).rvt
Cloud Model
Central: https://acc.autodesk.com/
Local File: C:\Users\tnguyen\Desktop\246040_Nelson Care Center (E-ELE Rev25)_tnguyen.rvt
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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.

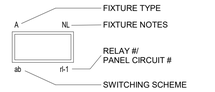
L. SEE LIGHTING CONTROL SCHEDULE. ALL OCCUPANCY SENSORS SHALL HAVE AUXILIARY CONTACTS OR ADDITIONAL DEVICES TO ENABLE HVAC INTERFACE.

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.

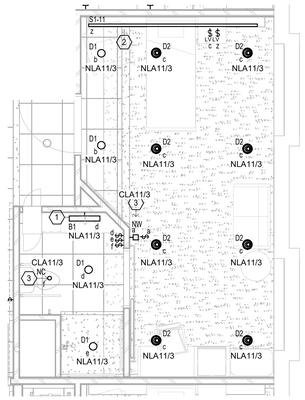
FEED EXIT LIGHTS FROM UNSWITCHED CIRCUIT IN EMERGENCY PANEL.



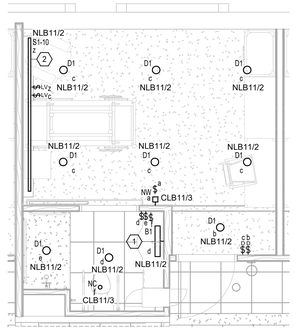
1. MAXIMUM ALLOWABLE WATTAGE FOR A LIGHTING CIRCUIT WILL NOT EXCEED 3500 (277V) OR 1600 (120V) WATTS.

KEYED SHEET NOTES

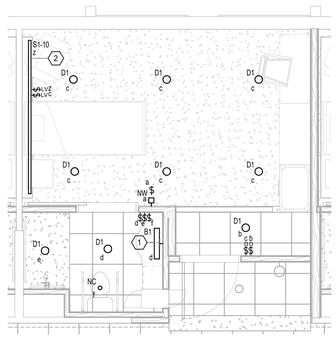
1. CENTER VANITY LIGHTING OVER SINK.
2. S1 TAPE LIGHT TO BE MOUNTED TO UNDERSIDE OF SHELF. SEE ARCHITECTURAL SHEETS FOR INTERIOR DETAILS.
3. CONNECT TYPE 'NC' AND 'NW' NIGHT LIGHTS TO CRITICAL POWER.



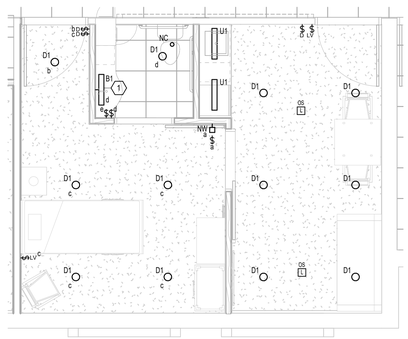
1 ENLARGED LIGHTING PLAN - SHORT STAY
1/4" = 1'-0"



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.

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.

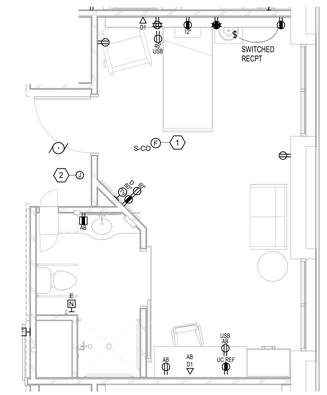
J. PROVIDE ROUGH-IN AND DATA CABLING FOR SECURITY CAMERA. LOCATIONS ARE APPROXIMATE AND SHALL BE FIELD COORDINATED WITH OWNER FOR FINAL LOCATION. REFER TO DETAILS IN E7 SERIES FOR MORE INFORMATION. CAMERAS, MOUNTS, MOUNTING AND PROGRAMMING BY OWNER.

K. REFER TO SHEET E7.01 FOR ADDITIONAL INFORMATION REGARDING SLEEVES.

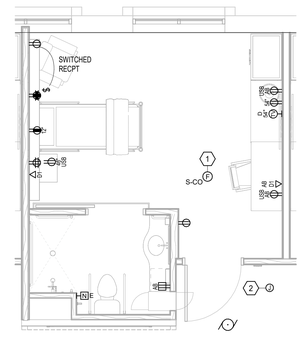
L. PROVIDE ROUGH-IN AND DATA CABLING FOR VIDEO INTERCOM AND MASTER STATIONS AS IDENTIFIED ON DRAWINGS. DEVICES AND PROGRAMMING BY OWNERS SECURITY CONTRACTOR.

KEYED SHEET NOTES

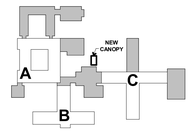
1. PROVIDE SYSTEM SMOKE DETECTOR. RESIDENT ROOM SMOKE DETECTORS SHALL NOT INITIATE BUILDING-WIDE ALARM. PROVIDE RELAYS AND CONNECTIONS TO NURSE CALL SYSTEM FOR DETECTORS TO ALARM AT NURSE CALL MASTER STATION. ASSOCIATED SMOKE DETECTOR INDICATION LIGHT SHALL ILLUMINATE.
2. PROVIDE 24V, 1 LAMP INDICATOR 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.



5 ENLARGED POWER & SYSTEMS PLAN - SHORT STAY
1/4" = 1'-0"



6 ENLARGED POWER & SYSTEMS PLAN - MAPLES & PINES
1/4" = 1'-0"



KEY PLAN

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

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

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

North

ENLARGED PLANS - ELECTRICAL

Scale: **As Indicated**

100% CD SET

E4.01

E

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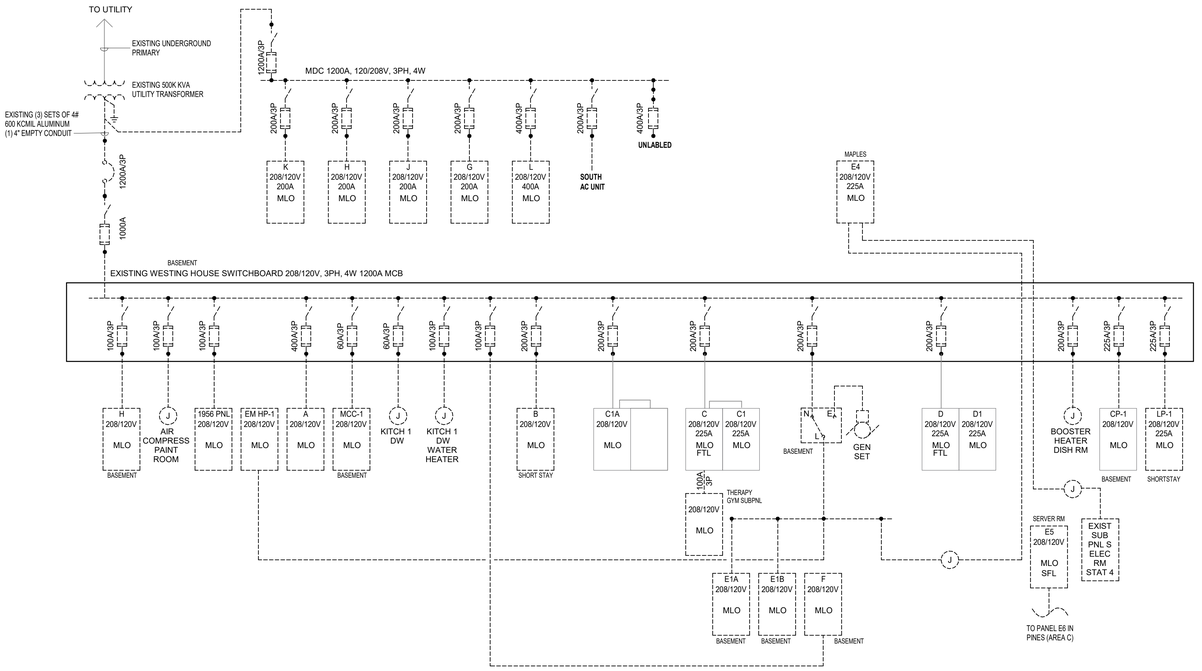
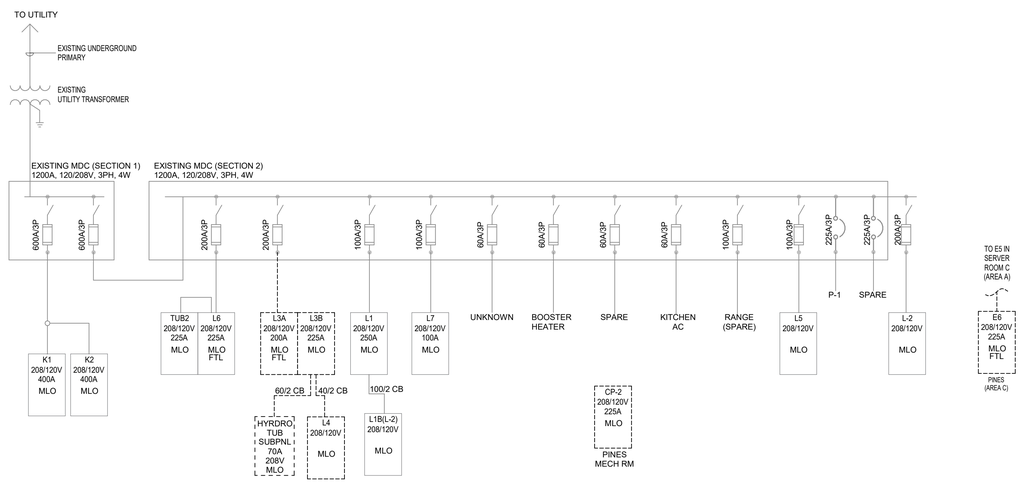


1 EXISTING ADMIN/SHORT STAY/MAPLES ONLINE DIAGRAM (SERVICE #1 AND #2)
NTS



2 EXISTING PINES ONELINE DIAGRAM (SERVICE #3)
NTS

RISER/ONELINE SYMBOLS:

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 EXTERIOIR EQUIPMENT.
L. SEE PANEL SCHEDULE FOR ADDITIONAL BREAKERS NOT INDICATED.

NAME
VOLTAGE
AMPS
MLO
PANELBOARD

TRANSFORMER:
NAME
KVA
MOUNTING

X INDICATES THE FOLLOWING:
K = KIRK KEY INTERLOCK
S = SHUNT TRIP

GENERATOR:
KW
VOLTAGE
TYPE
RUNTIME

METER

KEYED NOTES:

1. REPLACE PANEL IN PLACE. CUT AND PATCH WALL AS REQUIRED. COORDINATE PATCHING WITH ARCHITECT.

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#6+1#10G	(1) 3/4"C, 4#6+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.

100% CD SET

Nelson Care Center Renovation

420 12th Ave E,
Alexandria, MN 56308

Vivie
2209 Jefferson St. Suite 201
Alexandria, MN 56308

WOLD ARCHITECTS AND ENGINEERS
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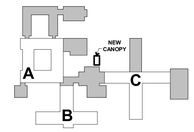

KEY PLAN

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

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

EXISTING ONELINE DIAGRAMS

Scale: As indicated

E5.00

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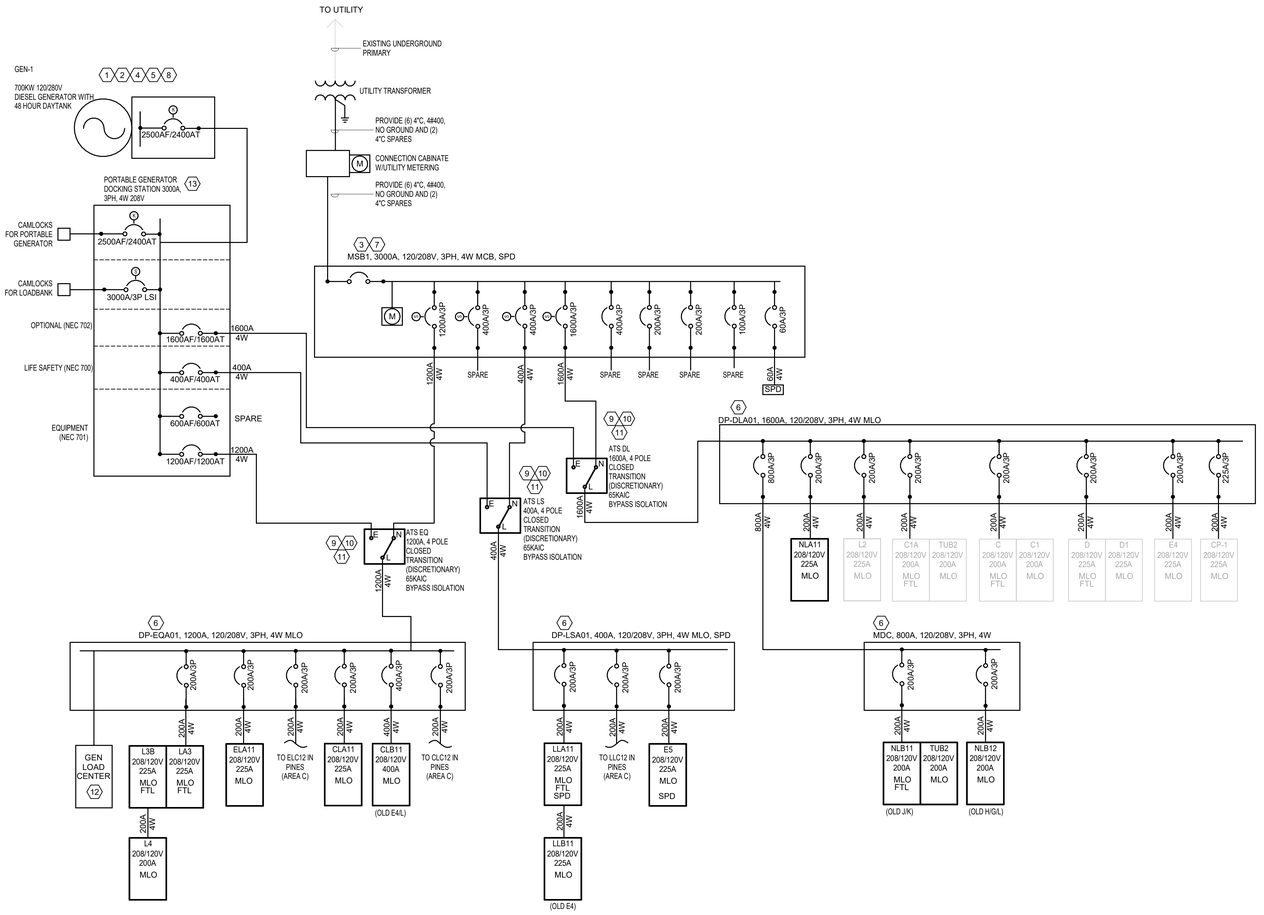
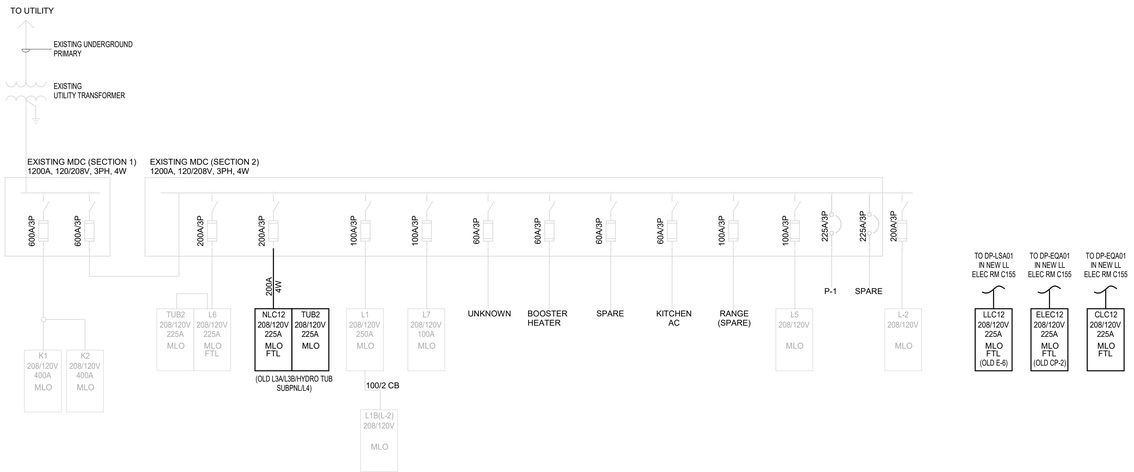


1 REMODELED ADMIN/SHORT STAY/MAPLES ONLINE DIAGRAM (SERVICE #1 AND #2)

NTS



2 REMODELED PINES ONELINE DIAGRAM (SERVICE #3)

NTS

E

RISER/ONELINE SYMBOLS:

NAME
VOLTAGE
AMPS
MLO
PANELBOARD

TRANSFORMER:
NAME
KVA
MOUNTING

GENERATOR:
KW
VOLTAGE
TYPE
RUNTIME

METER

X
X INDICATES THE FOLLOWING:
K = KIRK KEY INTERLOCK
S = SHUNT TRIP

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

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.

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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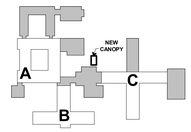

KEY PLAN

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

Comm: 246040
Date: 08/29/2025
Drawn: Author
Check: Checker

REMODELLED ONELINE DIAGRAMS

Scale: As indicated

E5.01

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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 HE WILLIAMS LT SERIES COLUMBIA LCAT22 METALUX 22CZ 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 HE WILLIAMS LT SERIES COLUMBIA LCAT22 METALUX 22CZ 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 HE WILLIAMS LT SERIES COLUMBIA LCAT24 METALUX 24CZ 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 HE WILLIAMS LP COLUMBIA CFP SERIES METALUX 24FP LED 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 HE WILLIAMS LP COLUMBIA CFP SERIES METALUX 14FP LED 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.	AFX LIGHTING JOANNA VANITY, JNNV SERIES OR PRIOR APPROVED EQUAL	1	B1	6
B2	18" LINEAR VANITY	LED 1000+ LUMENS 20W	120V	WALL MOUNT VERTICALLY , SEE INTERIOR ELEVATION	FROSTED ACRYLIC DIFFUSER	18" LENGTH, POLISHED CHROME FINISH, DAMP LOCATION RATED.	AFX BARLOW LED VANITY, BARV SERIES 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 OR PRIOR APPROVED EQUAL	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 HE WILLIAMS 75L SERIES COLUMBIA MPS SERIES METALUX SNLED SERIES 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 HE WILLIAMS 75L SERIES COLUMBIA MPS SERIES METALUX SNLED SERIES 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 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 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 LIGHT ALARMS SLX SERIES DUAL-LITE EVE SERIES SURE-LITES LPX SERIES 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 LIGHT ALARMS SLX SERIES DUAL-LITE EVE SERIES SURE-LITES LPX SERIES 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 LIGHT ALARMS LCA-LED2 DUAL-LITE LZ SERIES SURE-LITES LEM SERIES 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 I-2 SYSTEM F1171A MP LIGHTING L52 WAC LIGHTING HR-LED211E 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 KENALL MEDMASTER SOFTSTEP MCSL SERIES NEWSTAR HNLVH FAIL-SAFE CIRCADIAN UNV MSN 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	AFX SANIBEL LED FLUSH MOUNT, SAF SERIES	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	AFX SANIBEL LED PENDANT, SAP SERIES	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 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 KENALL STRATALUME MAUCLED NEW STAR STARMED MUS UNDERCABINET LED FAIL-SAFE UCL DAY-BRITE LINCS SERIES		U1	
DD2	CANOPY ADJUSTABLE DOWNLIGHT 6"		120V	RECESSED, SLOPED CEILING		WET LOCATION			DD2	
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, STEEL POLE	LITHONIA RSX1 SERIES NATIONAL LIGHTING SOLUTIONS NV-1 HUBBELL AIRO LED SERIES PEMCO EG45Q VISIONAIRE LIGHTING VSX SERIES		AA1	
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, STATIC WHIE LED STRIP WITH ADJUSTABLE MOUNTING CLIPS, IP66 WET RATED. BLACK FINISH.	PURE EDGE SLICK LINEAR LED OUTDOOR LL0-24V-14W48-277-40K-BK OR APPROVED EQUAL PROVIDE WITH WET LOCATION CABLE CONNECTOR, LV POWER CABLES, CONNECTOR, J-BOXES AND POWER SUPPLY.		SS1	

NOTES
GENERAL NOTES:
A. PROVIDE 3000K COLOR TEMPERATURE AND 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.
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.

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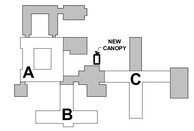

KEY PLAN

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

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

LUMINAIRE SCHEDULE

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

E6.01

MN

E

MOTOR AND EQUIPMENT SCHEDULE

LOAD INFORMATION						CONDUIT			WIRE QUANITY AND SIZE				WIRE TYPE		STARTER				DISCONNECT					CTRL'S BY	NOTES	MTR
MTR	DESCRIPTION	LOCATION	LOAD	UNIT	VOLTAGE/PHASE	SET(S)	SIZE	TYPE	P+N	PHASE	NEUT	GND	TYPE	INSUL	SUPPLIED	INSTALLED	TYPE/SIZE	LOC	SUPPLIED	INSTALLED	TYPE	SIZE	LOC			
DOAS-1	DEDICATED AIR SYSTEM	AREA A	5	HP	208/3			EMT			-		CU	THHN	MECH	ELEC	VFD	WALL	MECH	ELEC	VFD	-	WALL	MECH		DOAS-1
DOAS-2	DEDICATED AIR SYSTEM	AREA B	7.5	HP	208/3			EMT			-		CU	THHN	MECH	ELEC	VFD	WALL	MECH	ELEC	VFD	-	WALL	MECH		DOAS-2
DOAS-3	DEDICATED AIR SYSTEM	AREA C	7.5	HP	208/3			EMT			-		CU	THHN	MECH	ELEC	VFD	WALL	MECH	ELEC	VFD	-	WALL	MECH		DOAS-3
ERV-1	ENERGY RECOVERY, DOAS-1	AREA A	3.75	HP	208/3			EMT			-		CU	THHN					MECH	ELEC	MMS	-	MTR	MECH		ERV-1
ERV-2	ENERGY RECOVERY, DOAS-2	AREA B	4	HP	208/3			EMT			-		CU	THHN					MECH	ELEC	MMS	-	MTR	MECH		ERV-2
ERV-3	ENERGY RECOVERY, DOAS-3	AREA C	4	HP	208/3			EMT			-		CU	THHN					MECH	ELEC	MMS	-	MTR	MECH		ERV-3
CU-1	CONDENSING UNIT, DOAS-1	AREA A	41	MCA	208/3			EMT			-		CU	THHN	MECH	ELEC	VFD	WALL	MECH	ELEC	VFD	-	WALL	MECH		CU-1
CU-2	CONDENSING UNIT, DOAS-2	AREA B	69	MCA	208/3			EMT			-		CU	THHN	MECH	ELEC	VFD	WALL	MECH	ELEC	VFD	-	WALL	MECH		CU-2
CU-3	CONDENSING UNIT, DOAS-3	AREA C	65	MCA	208/3			EMT			-		CU	THHN	MECH	ELEC	VFD	WALL	MECH	ELEC	VFD	-	WALL	MECH		CU-3
CUH-1	CABINET UNIT HEATER	O2 A105	FRAC	HP	120/1	(1)	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN					MECH	ELEC	MMS	15A	MTR	MECH		CUH-1
CUH-2	CABINET UNIT HEATER	VESTIBULE B157	FRAC	HP	120/1	(1)	3/4"	EMT	2	12 AWG	12 AWG	12 AWG	CU	THHN					MECH	ELEC	MMS	15A	MTR	MECH		CUH-2
HP-1,2	HEAT PUMP	AREA A GRADE	56	MCA	208/3			EMT			-		CU	THHN					ELEC	ELEC	NFS		MTR	MECH		HP-1,2
HP-3,4,5,6	HEAT PUMP	AREA B GRADE	56	MCA	208/3			EMT			-		CU	THHN					ELEC	ELEC	NFS		MTR	MECH		HP-3,4,5,6
HP-7,8,9,10	HEAT PUMP	AREA C GRADE	56	MCA	208/3			EMT			-		CU	THHN					ELEC	ELEC	NFS		MTR	MECH		HP-7,8,9,10
BCU-1,2	BRANCH CONTROL UNIT	AREA A MECH	3.78	MCA	208/1	(1)	3/4"	EMT	2	12 AWG	-	12 AWG	CU	THHN					ELEC	ELEC	FS	15A	MTR	MECH		BCU-1,2
BCU-3,4,5,6	BRANCH CONTROL UNIT	AREA B MECH	3.78	MCA	208/1	(1)	3/4"	EMT	2	12 AWG	-	12 AWG	CU	THHN					ELEC	ELEC	FS	15A	MTR	MECH		BCU-3,4,5,6
BCU-7,8,9,10	BRANCH CONTROL UNIT	AREA C MECH	3.78	MCA	208/1	(1)	3/4"	EMT	2	12 AWG	-	12 AWG	CU	THHN					ELEC	ELEC	FS	15A	MTR	MECH		BCU-7,8,9,10
FCU - A	FAN COIL UNITS	SEE PLANS	0.36-2.88	MCA	208/1	(1)	3/4"	EMT	2	12 AWG	-	12 AWG	CU	THHN					ELEC	ELEC	MMS	15A	MTR	MECH		FCU - A
FCU - B	FAN COIL UNITS	SEE PLANS	0.36-2.88	MCA	208/1	(1)	3/4"	EMT	2	12 AWG	-	12 AWG	CU	THHN					ELEC	ELEC	MMS	15A	MTR	MECH		FCU - B
FCU - C	FAN COIL UNITS	SEE PLANS	0.36-2.88	MCA	208/1	(1)	3/4"	EMT	2	12 AWG	-	12 AWG	CU	THHN					ELEC	ELEC	MMS	15A	MTR	MECH		FCU - C

GENERAL SCHEDULE NOTES

A. 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/ENGINEER OF ANY DISCREPANCIES.

B. PROVIDE RK1 FUSING FOR FUSIBLE DISCONNECTS SIZED AT 130% OF MOTOR FLC.

C. SIZE OVERLOAD PROTECTION BASED ON ACTUAL NAMEPLATE DATA OF EQUIPMENT.

D. MANUAL MOTOR STARTERS (MMS) TO BE SQUARE D FRACTIONAL HP MANUAL STARTERS WITH MELTING ALLOY TYPE THERMAL OVERLOAD OR APPROVED EQUAL. PROVIDE TOGGLE SWITCH WITH HANDLE GUARD AND RED PILOT LIGHT.

E. WHEN STARTERS ARE PROVIDED BY ELEC PROVIDE A NON-REVERSING FVNR COMBINATION STARTER WITH FUSIBLE DISCONNECT UNLESS NOTED OTHERWISE. PROVIDE 120V CONTROL CIRCUIT WITH TRANSFORMER, (2) AUXILIARY CONTACTS, HOA SELECTOR SWITCH AND RED RUNNING PILOT LIGHT.

NUMBERED SCHEDULE NOTES

1. 1. PROVIDE AN ADDITIONAL 120V/1P DEDICATED CIRCUIT FOR ENCLOSURE HEATER AND FANS.
2. SEE ELEVATOR DETAIL FOR ADDITIONAL REQUIREMENTS. ELEVATOR GROUND SHALL BE FULLY SIZED.
3. REFER TO HEAT PUMP DETAIL ON E7 SHEET SERIES.
4. PROVIDE SEPARATE 120V POWER FOR ENERGY RECOVERY WHEEL (ERW) AND LIGHTING. PROVIDE SEPARATE 208V/1PH POWER FOR LEV KIT(S).
5. PROVIDE CONNECTION FROM PANEL TO OUTDOOR (ROOF) MOTOR. PROVIDE CONNECTION TO INDOOR MOTOR FROM OUTDOOR MOTOR (3#12).
6. ROUTE FEEDER THROUGH VFD AND CONNECT TO MOTOR.

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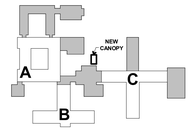

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SITHA CHHUM
License Number: **54883** Date: **08/29/2025**

Revisions		
Description	Date	Num

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

MOTOR SCHEDULE

Scale: **As indicated**

100% CD SET

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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	1	0	0	
2	DP-LSA01	1200 A	3	1200 A	0	0	0	
3	DP-DLA01	1600 A	3	1600 A	4	2	2	
4								
5								
6								
7								
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11								
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13								
14								
15								
16								
17								
18								
19								
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LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
LTG	9445 VA	125.00%	11806 VA		
				CONN. LOAD:	9445 VA
				EST. DEMAND LOAD:	11806 VA
				CONN. CURRENT:	26 A
				EST. DEMAND...	33 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	0	0	0	
2	CLA11	200 A	3	200 A	1	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	1309 VA	125.00%	1636 VA		
				CONN. LOAD:	1309 VA
				EST. DEMAND LOAD:	1636 VA
				CONN. CURRENT:	4 A
				EST. DEMAND...	5 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								
2								
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	
				CONN. LOAD:	0 VA
				EST. DEMAND LOAD:	0 VA
				CONN. CURRENT:	0 A
				EST. DEMAND...	0 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	0	0	0	
2	NLA11	200 A	3	200 A	3	2	2	
3	LLA11	400 A	3	20 A	1	0	0	
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	8167 VA	125.00%	10209 VA		
				CONN. LOAD:	8167 VA
				EST. DEMAND LOAD:	10209 VA
				CONN. CURRENT:	23 A
				EST. DEMAND...	28 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								
2								
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	
				CONN. LOAD:	0 VA
				EST. DEMAND LOAD:	0 VA
				CONN. CURRENT:	0 A
				EST. DEMAND...	0 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:

Autodesk Docs://246040 - Nelson Care Center Renovation/E6XX - Motor Elec Elevator - E.DV.Rev2024.rvt
Central: https://acc.autodesk.com/view/c4ea1d6f-f7ae-ecbb-a2c2-f9e1ca1e1c1e
Local: C:\Users\SChhum\Desktop\Temp\Revit\E6XX - Motor Elec Elevator - E.DV.Rev2024_Schhum.rvt
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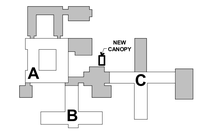
E

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

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

PANEL SCHEDULES

100% CD SET

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														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
43														44
45														46
47														48
49														50
51														52
53														54
			TOTAL LOAD:			1 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: ELC12

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:

#	BT	LOAD DESCRIPTION	LT	BKR	P	A	B	C	P	BKR	LT	LOAD DESCRIPTION	BT	#
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
43														44
45														46
47														48
49														50
51														52
53														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: 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								2
3		AREA A RES RM NL LTG	LTG	20 A	1		0.1							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
43														44
45														46
47														48
49														50
51														52
53														54
			TOTAL LOAD:			1 kVA	0 kVA	0 kVA						
			TOTAL AMPS:			10 A	1 A	0 A						

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
LTG	1309 VA	125.00%	1636 VA		
				CONNECTED LOAD:	1309 VA
				ESTIMATED DEMAND:	1636 VA
				CONNECTED CURRENT:	4 A
				EST. DEMAND CURRENT:	5 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:

#	BT	LOAD DESCRIPTION	LT	BKR	P	A	B	C	P	BKR	LT	LOAD DESCRIPTION	BT	#
1		B113,...	LTG	20 A	1	0.9								2
3		AREA B RES RM NL LTG	LTG	20 A	1		0.2							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
43														44
45														46
47														48
49														50
51														52
53														54
			TOTAL LOAD:			1 kVA	0 kVA	0 kVA						
			TOTAL AMPS:			7 A	2 A	0 A						

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
LTG	1095 VA	125.00%	1369 VA		
				CONNECTED LOAD:	1095 VA
				ESTIMATED DEMAND:	1369 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:

PANELBOARD: CLC12

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:

#	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								2
3		C118,C119,C121,C125-C...	LTG	20 A	1		1.3							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
43														44
45														46
47														48
49														50
51														52
53														54
			TOTAL LOAD:			0 kVA	1 kVA	0 kVA						
			TOTAL AMPS:			3 A	11 A	0 A						

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
LTG	1523 VA	125.00%	1903 VA		
				CONNECTED LOAD:	1523 VA
				ESTIMATED DEMAND:	1903 VA
				CONNECTED CURRENT:	4 A
				EST. DEMAND CURRENT:	5 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.rvt - Nelson Care Center - E-ELEC Bldg 2023.rvt
Central: https://vividae.autodesk.com/hq/t4/db/1879/projects/2246040/detail/ Model: A Project Central
Date: 8/29/2025 7:52:16 PM

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
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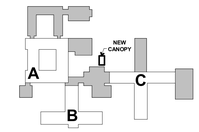

KEY PLAN

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

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

PANEL SCHEDULES

100% CD SET

Scale:

E6.11

MN

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-DLA01

#	BT	LOAD DESCRIPTION	LT	BKR	P	A	B	C	P	BKR	LT	LOAD DESCRIPTION	BT	#
1						0.5			1	20 A	LTG	AREA A EGRESS LTG		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
43														44
45														46
47														48
49														50
51														52
53														54
				TOTAL LOAD:		1 kVA	0 kVA	0 kVA						
				TOTAL AMPS:		4 A	0 A	0 A						

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
LTG	512 VA	125.00%	640 VA		
				CONNECTED LOAD:	512 VA
				ESTIMATED DEMAND:	640 VA
				CONNECTED CURRENT:	1 A
				EST. DEMAND CURRENT:	2 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:

#	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								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
43														44
45														46
47														48
49														50
51														52
53														54
				TOTAL LOAD:		1 kVA	0 kVA	0 kVA						
				TOTAL AMPS:		6 A	0 A	0 A						

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
LTG	676 VA	125.00%	845 VA		
				CONNECTED LOAD:	676 VA
				ESTIMATED DEMAND:	845 VA
				CONNECTED CURRENT:	2 A
				EST. DEMAND CURRENT:	2 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: LLC12

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:

#	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								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
43														44
45														46
47														48
49														50
51														52
53														54
				TOTAL LOAD:		1 kVA	0 kVA	0 kVA						
				TOTAL AMPS:		6 A	0 A	0 A						

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
LTG	747 VA	125.00%	934 VA		
				CONNECTED LOAD:	747 VA
				ESTIMATED DEMAND:	934 VA
				CONNECTED CURRENT:	2 A
				EST. DEMAND CURRENT:	3 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_R23.0_Backfill.rvt
Central Time (US & Canada)
8/29/2025 7:52:15 PM

E

100% CD SET

Nelson Care Center Renovation

420 12th Ave E,
Alexandria, MN 56308

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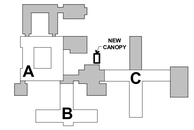

KEY PLAN

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

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

PANEL SCHEDULES

Scale:

E6.12

MN

PANELBOARD: NLA11

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-DLA01

#	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	20 A	LTG	RES RM A127, A128 LTG		6
7						1.1			1	20 A	LTG	RES RM A129, A130 LTG		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
43														44
45														46
47														48
49														50
51														52
53														54
		TOTAL LOAD:				3 kVA	2 kVA	2 kVA						
		TOTAL AMPS:				27 A	18 A	18 A						

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
LTG	7660 VA	125.00%	9575 VA		
				CONNECTED LOAD:	7660 VA
				ESTIMATED DEMAND:	9575 VA
				CONNECTED CURRENT:	21 A
				EST. DEMAND CURRENT:	27 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 **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:

#	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															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
43															44
45															46
47															48
49															50
51															52
53															54
		TOTAL LOAD:				4 kVA	4 kVA	4 kVA						
		TOTAL AMPS:				37 A	36 A	34 A						

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
LTG	12670 VA	125.00%	15837 VA		
				CONNECTED LOAD:	12670 VA
				ESTIMATED DEMAND:	15837 VA
				CONNECTED CURRENT:	35 A
				EST. DEMAND CURRENT:	44 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: NLC12

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:

#	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	1.2	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	1.0		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									14
15															16
17															18
19															20
21															22
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27															28
29															30
31															32
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61															62
63															64
65															66
67															68
69															70
71															72
73															74
75															76
77															78
79															80
81															82
83															84
		TOTAL LOAD:				5 kVA	5 kVA	4 kVA						
		TOTAL AMPS:				42 A	39 A	33 A						

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
LTG	13513 VA	125.00%	16892 VA		
				CONNECTED LOAD:	13513 VA
				ESTIMATED DEMAND:	16892 VA
				CONNECTED CURRENT:	38 A
				EST. DEMAND CURRENT:	47 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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100% CD SET

Nelson Care Center Renovation

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Alexandria, MN 56308

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2209 Jefferson St. Suite 201
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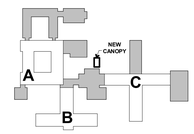


KEY PLAN

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

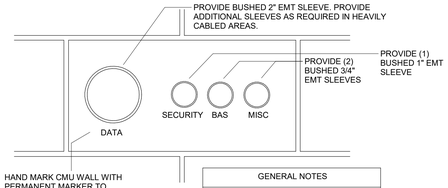
Comm: **246040**
Date: **08/29/2025**
Drawn: **H. Nelson**
Check: **S. Chhum**

PANEL SCHEDULES

Scale:

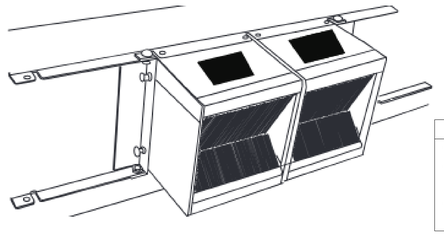
E6.13

MN



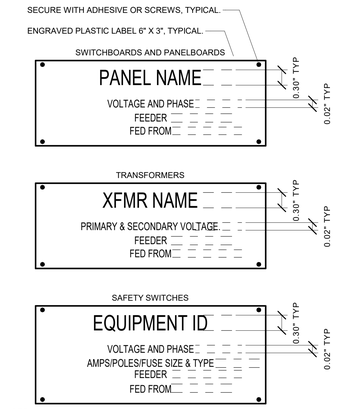
GENERAL NOTES
• PROVIDE FIRE AND SOUND CANCELING AT EACH CONDUIT AT COMPLETION OF CABLING. • CENTER IN CMU BLOCK ABOVE DOOR WHEN APPLICABLE. • PROVIDE ADDITIONAL OR LARGER CONDUITS AS NEEDED TO MAINTAIN MINIMUM 40% FILL.

B3 CABLING SLEEVES DETAIL - TYPICAL
N.T.S.



GENERAL NOTES
• PROVIDE MINIMUM (3) 4" SLEEVES FOR EACH NEW DATA CLOSET. • PROVIDE MINIMUM (2) 4" SLEEVES FOR MAIN RUNS TO ACCOMMODATE SEPARATION OF SECURITY AND DATA CABLING. • 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 STREET NUMBER & NAME / P.O. BOX 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.

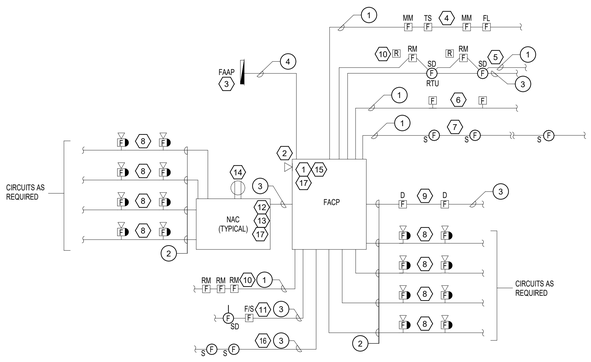
SEQUENCE OF OPERATION										
INPUT / OUTPUT MATRIX / SYSTEM REACTION	INPUT CONDITION	SPRINKLER FLOW	SMOKE / HEAT DETECTOR	PULL STATION	SPRINKLER TAMPER AND FLOW	DUCT SMOKE DETECTOR	120V POWER LOSS AT FACP	DEVICE REMOVAL, GND FAULT, OPEN, ETC.
ALARM AT FACP AND FAAP		X	X	X				
SUPERVISORY AT FACP AND 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 "RB" 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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Nelson Care Center Renovation

420 12th Ave E,
Alexandria, MN 56308

Vivie
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Alexandria, MN 56308

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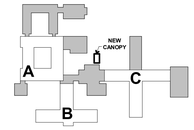
woldae.com | 612 772 9025



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

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

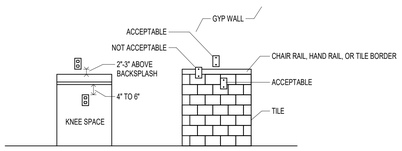
ELECTRICAL DETAILS

Scale: **As Indicated**

100% CD SET

E7.01

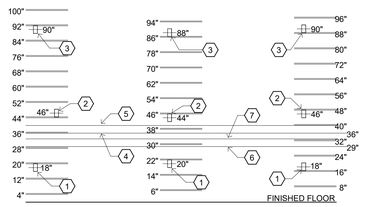
MN



NOTES:
1. INSTALL DEVICES SO THAT THEY ARE EITHER ABOVE OR BELOW TILED WALL (OR A WALL WITH A CHAIR RAIL). COORDINATE WITH ARCHITECT.

B2 COUNTER, TILE, AND RAILING BACKBOXES
N.T.S.

STANDARD BACKBOX MOUNTING HEIGHTS



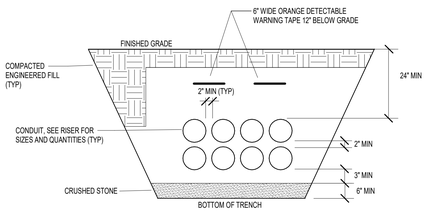
GENERAL NOTES:

A. MOUNTING HEIGHT OF STANDARD BACKBOXES ONLY. REFER TO DRAWINGS AND DETAILS FOR MOUNTING HEIGHT OF OTHER BACKBOXES.

NUMBER NOTES:

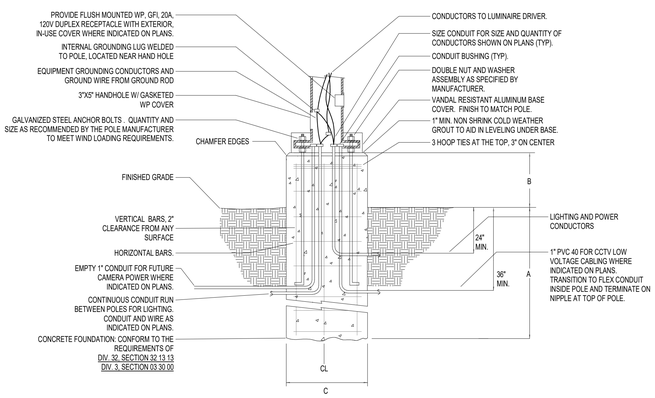
1. MOUNTING HEIGHT FOR BACKBOXES MOUNT LOW IN WALL.
2. MOUNTING HEIGHT FOR BACKBOXES MOUNTED NEAR MIDDLE OF WALL, INCLUDING DEVICES SUCH AS TOGGLE SWITCHES.
3. MOUNTING HEIGHT FOR BACKBOXES MOUNTED HIGH IN WALL.
4. STANDARD COUNTER TOP.
5. STANDARD COUNTER TOP BACK SPLASH HEIGHT.
6. STANDARD DESK TOP.
7. STANDARD DESK TOP BACK SPLASH HEIGHT.

C4 STANDARD BACKBOX MOUNTING HEIGHT
N.T.S.



NOTES:
1. PROVIDE PULL LINE IN EACH SPARE CONDUIT.
2. PROVIDE WUNPEECE DUCT SPACERS WITH 2' SPACING BETWEEN CONDUITS. PROVIDE 6' O.C. TO MAINTAIN CONDUIT SPACING, BEGINNING 1'-0" FROM END OF DUCT.
3. MAINTAIN MINIMUM OF 12" CLEARANCE FROM OTHER UTILITIES (WATER, FIRE, COMMUNICATION, ETC) THAT ARE LOCATED IN THE SAME TRENCH.
4. SEE RISER DIAGRAMS FOR QUANTITIES AND SIZES OF EACH CONDUIT.

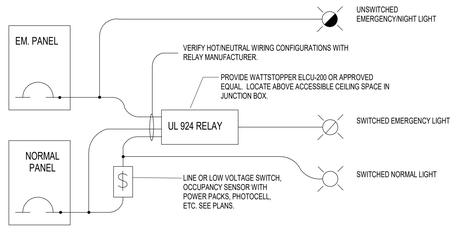
E2 UNDERGROUND CONDUIT DETAIL - ELECTRICAL SERVICE AND GENERATOR
N.T.S.



POLE HEIGHT AND BASE	A	B	C	VERT. BAR		HORIZ. BAR	
				QUANT.	SIZE	SIZE	O.C.
25'-6" - 30' ASSEMBLY (RAISED BASE)	8'-6"	36"	30"	8	#9	#3	18"
25'-6" - 30' ASSEMBLY (LOW PROFILE BASE)	8'-6"	2"	30"	8	#9	#3	18"
20'-6" - 25' ASSEMBLY (RAISED BASE)	8'-6"	36"	30"	8	#9	#3	18"
20'-6" - 25' ASSEMBLY (LOW PROFILE BASE)	8'-6"	2"	30"	8	#9	#3	18"
10'-6" - 15' ASSEMBLY (RAISED BASE)	5'-6"	24"	30"	8	#9	#3	18"
10'-6" - 15' ASSEMBLY (LOW PROFILE BASE)	5'-6"	2"	30"	8	#9	#3	18"

NOTES:
A. REFER TO LUMINAIRE SCHEDULE FOR POLE ASSEMBLY HEIGHT AND SELECTION OF RAISED VS LOW PROFILE BASE FOR EACH FIXTURE TYPE. IF INFORMATION IS NOT PROVIDED ON LUMINAIRE SCHEDULE, ASSUME RAISED BASE FOR BIDDING PURPOSES AND VERIFY WITH ENGINEER PRIOR TO INSTALL

D6 SITE LIGHTING - POLE BASE DETAIL
N.T.S.



1 TYPICAL EMERGENCY LIGHTING DETAIL
N.T.S.

100% CD SET

E

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Nelson Care Center Renovation

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Alexandria, MN 56308

WOLD ARCHITECTS AND ENGINEERS
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Minneapolis, Minnesota 55402
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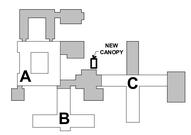

KEY PLAN

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

Revisions		
Description	Date	Num

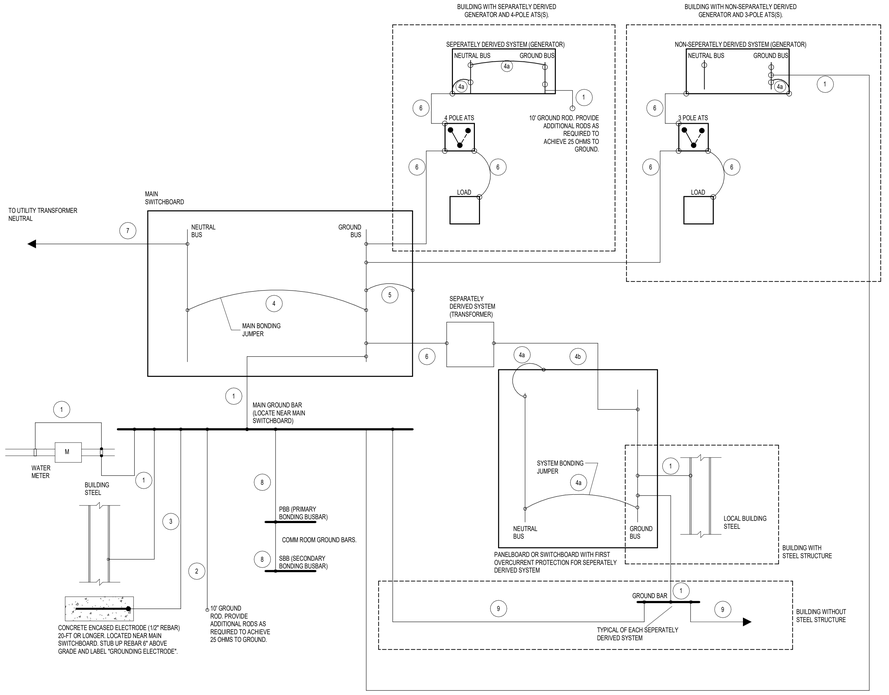
Comm: **246040**
Date: **08/29/2025**
Drawn: **H. Nelson**
Check: **S. Chhum**

ELECTRICAL DETAILS

Scale: **As indicated**

E7.02

MN

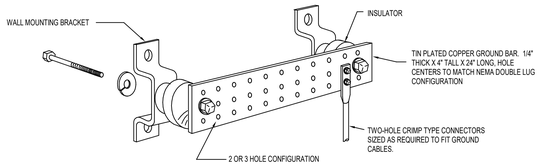


GROUNDING AND BONDING TABLE

LEAD NO. (X)	DESCRIPTION	SIZE	TYPE	REMARKS
1	GROUNDING ELECTRODE CONDUCTOR	PER NEC 250.66/TABLE 250.66	BARE OR INSUL. COPPER	
2	GROUNDING ELECTRODE CONDUCTOR, CONNECT TO ROD, PIPE, OR PLATE ELECTRODE	PER NEC 250.66 (#6 AWG)	BARE COPPER	
3	CONCRETE ENCASED ELECTRODE	PER NEC 250.66 (#4 AWG)	BARE COPPER	
4	MAIN BONDING JUMPER	PER NEC 250.28/TABLE 250.102(C)(1)	BARE COPPER	
4a	SYSTEM BONDING JUMPER	PER NEC 250.28/TABLE 250.102(C)(1)	BARE COPPER	
4b	SUPPLY-SIDE BONDING JUMPER	PER NEC 250.28/TABLE 250.30	INSULATED COPPER	
5	EQUIPMENT BONDING JUMPER	PER NEC 250.102	BARE COPPER	
6	EQUIPMENT GROUNDING CONDUCTOR	PER NEC 250.122/TABLE 250.122	INSULATED COPPER	
7	GROUNDED SERVICE CONDUCTOR (NEUTRAL)	SEE RISER DIAGRAM	INSULATED COPPER	
8	COMMUNICATION ROOM TELECOM BONDING BACKBONE	PER ANSI/TIA-607-C (MIN #6 AWG)	INSULATED COPPER	SEE TELECOMMUNICATION GROUNDING DETAILS FOR MORE INFORMATION.
9	COMMON GROUNDING ELECTRODE CONDUCTOR	PER NEC 250.30 (MIN #3 AWG)	INSULATED COPPER	

NOTES: 1. SEE DETAIL SHEETS FOR ADDITIONAL INFORMATION ON GROUND BUSSES.

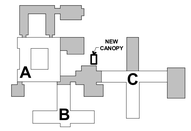
D5 GROUNDING DETAIL
NTS



NOTES:

1. PROVIDE EXOTHERMIC WELD CONNECTIONS AND BOLTED LUG CONNECTIONS AS PER SPECIFICATIONS.
2. REFER TO TELECOMMUNICATION GROUND BUS DETAIL FOR REQUIREMENTS IN TELECOMMUNICATION ROOMS.

1 GROUND BUS
N.T.S.



KEY PLAN

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ELECTRICAL DETAILS

Scale: **N.T.S.**

100% CD SET

E7.03

E

Autodesk Docs://246040 - Nelson Care Center Renovation/246040 - Nelson Care Center_R25 Revit/E7.03 - Electrical Details.rvt
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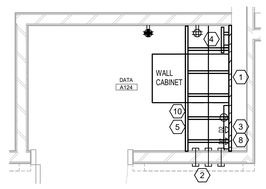
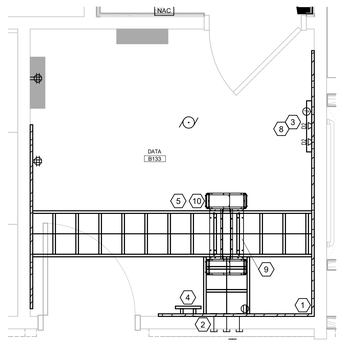
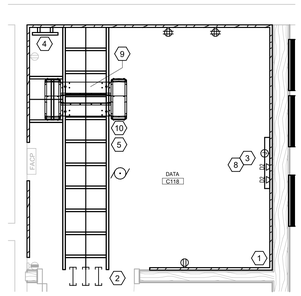
MN



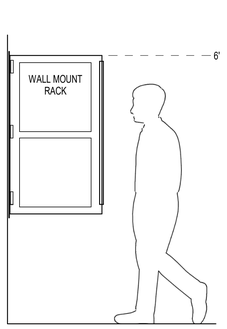
C1 SYSTEMS PLAN - AREA A - Callout 1
1/2" = 1'-0"

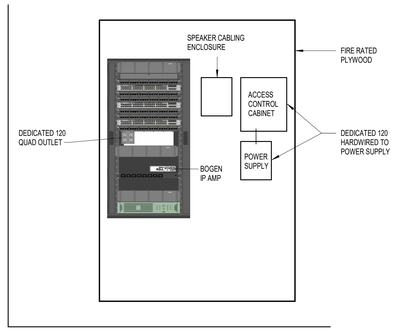


C4 SYSTEMS PLAN - AREA B - Callout 1
1/2" = 1'-0"



C6 SYSTEMS PLAN - AREA C - Callout 1
1/2" = 1'-0"

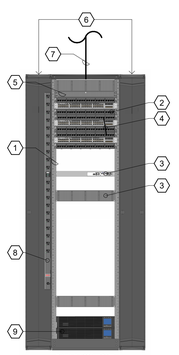




E2 SHOP TR DIAGRAM
N.T.S.

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 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 POU. 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



DATA RACK FRONT

E5 DATA RACK DETAIL
N.T.S.

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.

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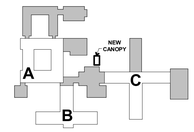

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Revisions		
Description	Date	Num

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

ELECTRICAL DETAILS - SYSTEMS

Scale: **As Indicated**

100% CD SET

E7.04

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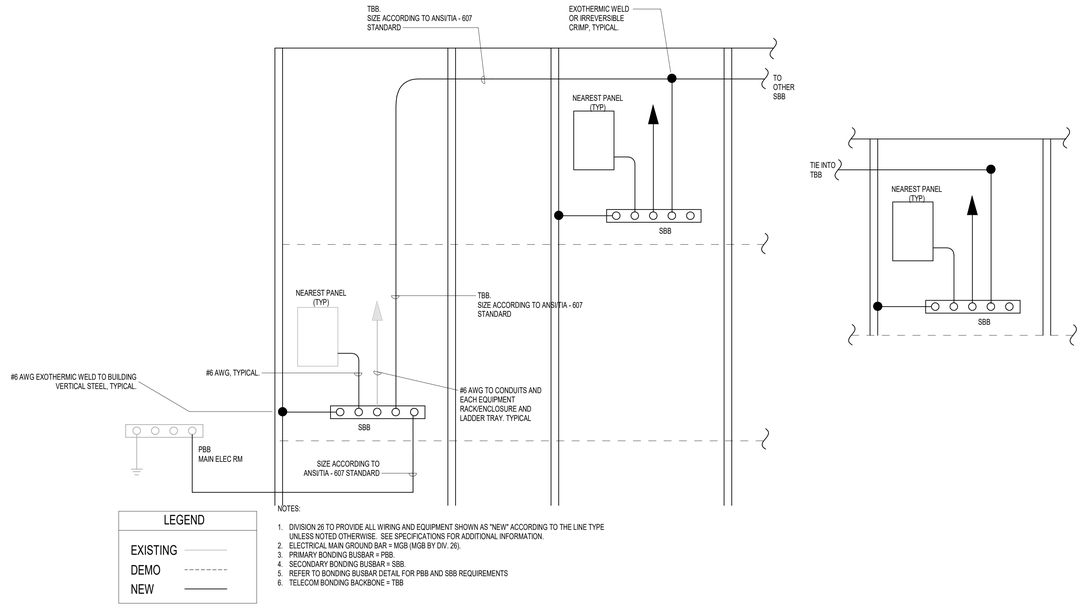
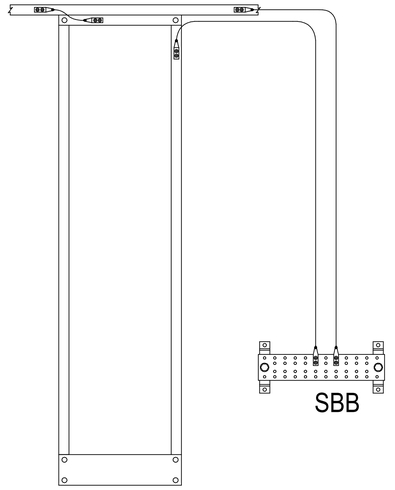


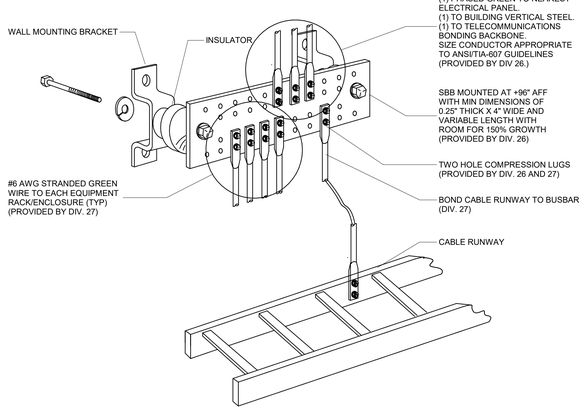
NOTES:

1. DIVISION 26 TO PROVIDE ALL WIRING AND EQUIPMENT SHOWN AS "NEW" ACCORDING TO THE LINE TYPE UNLESS NOTED OTHERWISE. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. ELECTRICAL MAIN GROUND BAR = MGB (MGB BY DIV. 26).
3. PRIMARY BONDING BUSBAR = PBB.
4. SECONDARY BONDING BUSBAR = SBB.
5. REFER TO BONDING BUSBAR DETAIL FOR PBB AND SBB REQUIREMENTS
6. TELECOM BONDING BACKBONE = TBB

C1 TELECOMMUNICATIONS GROUNDING AND BONDING SYSTEM DETAIL
N.T.S.

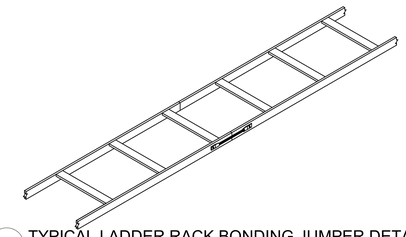


C6 TYPICAL TR EQUIPMENT RACK GROUNDING & BONDING DETAIL
NTS

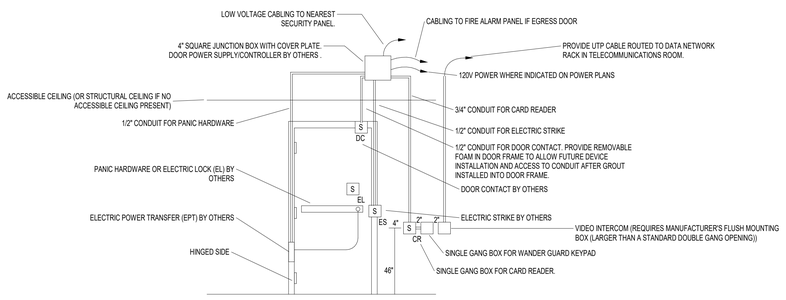


NOTES:
1. SECONDARY BONDING BUSBAR (SBB) FOR THE TELECOMMUNICATIONS GROUNDING AND BONDING SYSTEM
2. SBB SHALL MEET ANSI/TIA-607 (CURRENT EDITION) REQUIREMENTS FOR NETWORK SYSTEMS BONDING APPLICATIONS.
3. IDENTIFY BUSBAR TO MEET ANSI/TIA-606 LABELING STANDARDS.

E1 SECONDARY BONDING BUSBAR (SBB)
N.T.S.



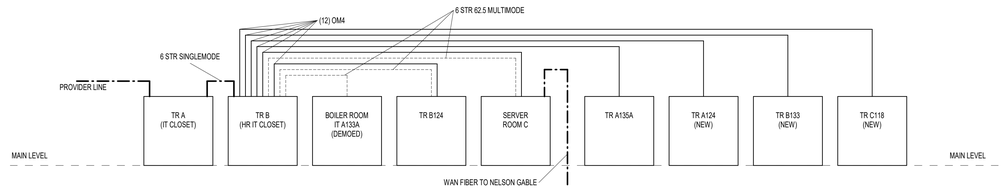
D4 TYPICAL LADDER RACK BONDING JUMPER DETAIL
NTS



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.

LEGEND
EXISTING
DEMO
NEW



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.

E

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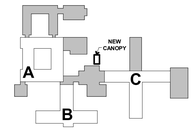

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Comm: 246040
Date: 08/29/2025
Drawn: T. Nguyen
Check: D. Kruth

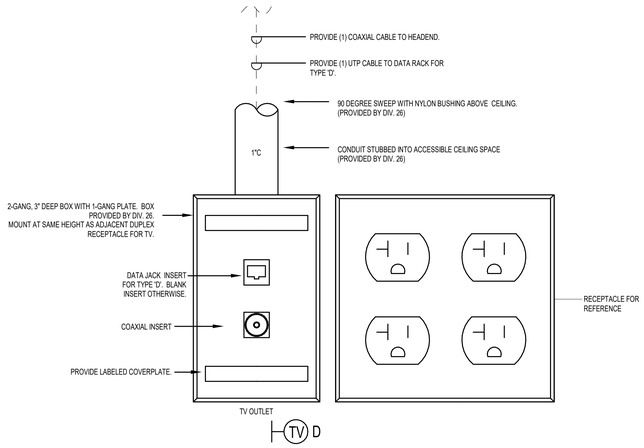
ELECTRICAL DETAILS - SYSTEMS

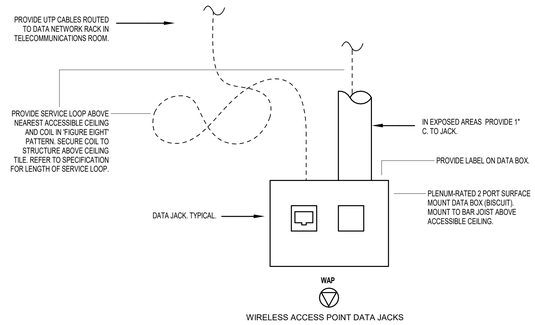
100% CD SET

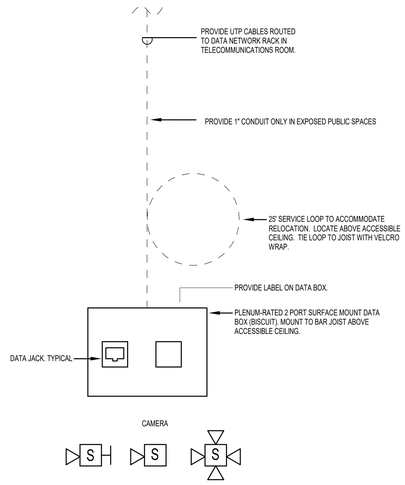
Scale: As Indicated

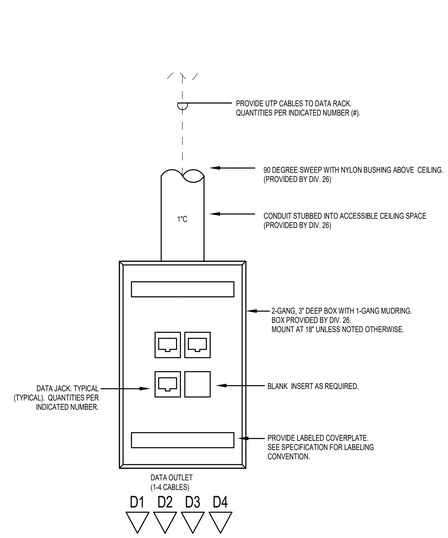
E7.05

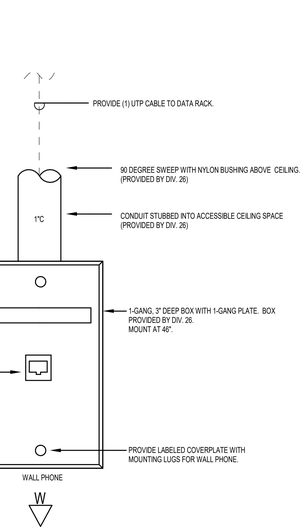
MN











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

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Central: 2 Detach From Central
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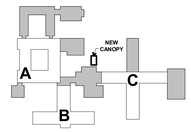

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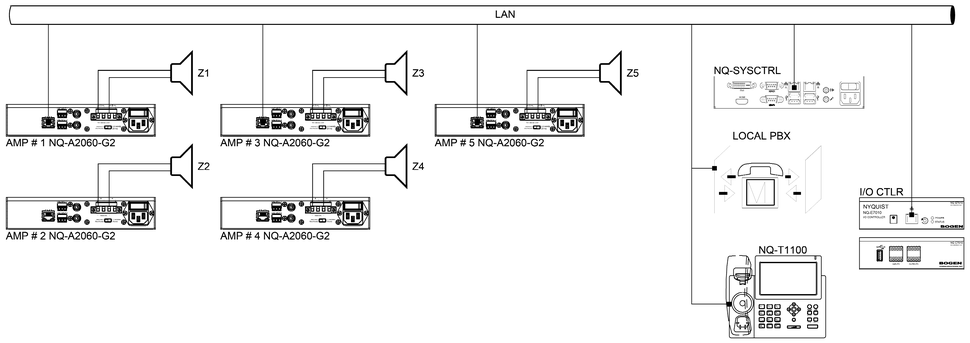
Scale: NTS

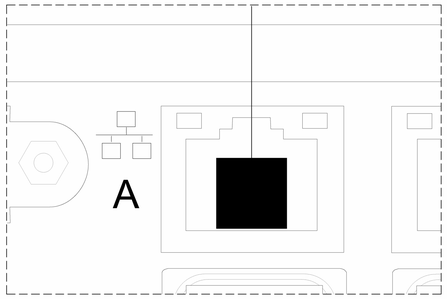
100% CD SET

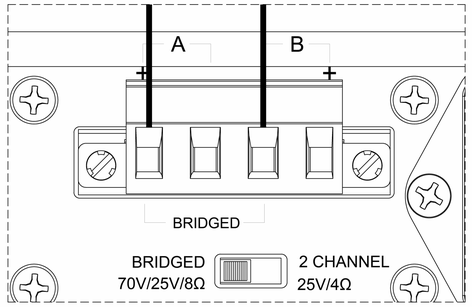
E7.06

MN

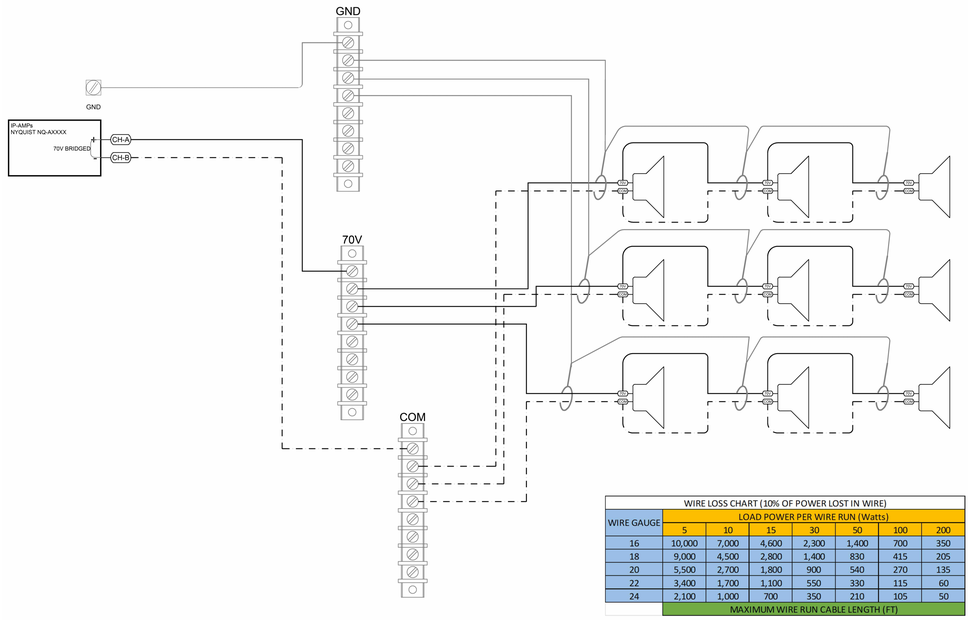


A1 — NQ-SYSCTRL DETAIL
4 OF 6
PORT "A" LAN CONNECTION





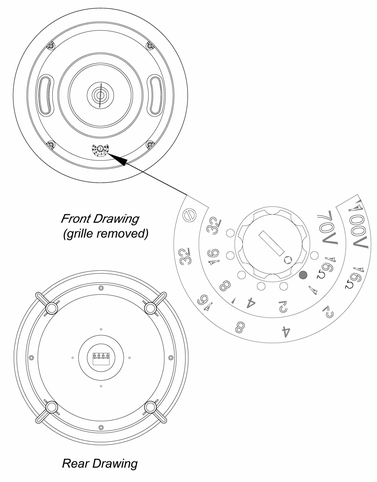
A2 — 70V MODE SET-UP
4 OF 6
SCALE: NONE



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.

HFCS1LP TAP SETTINGS



E

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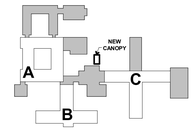
8/29/2025 7:52:31 AM

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

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

ELECTRICAL DETAILS - SYSTEMS

Scale: **N.T.S.**

100% CD SET

E7.07