Pelican Valley Senior Living Renovation

Pelican Valley Senior Living

Pelican Rapids, MN

246039

CIVIL

C0.000	TOPOGRAPHIC SURVEY
C1.000	SELECTIVE SITE DEMOLITION AND EROSION CONTROL PLAN
C2.000	GRADING, DRAINAGE, AND EROSION CONTROL PLAN
C3.000	UTILITY PLAN
C4.000	PAVING AND GEOMETRIC PLAN
C4.001	BID ALTERNATE GRADING, DRAINAGE, AND EROSION CONTROL PLAN. PAVING AND GEOMETRIC PLAN
C5.000	CIVIL DETAILS
C5.001	CIVIL DETAILS
C6.000	STORM WATER RUNOFF PLAN
L1.001	LANDSCAPE PLAN
L1.002	LANDSCAPE DETAILS
L1.003	LANDSCAPE DETAILS

STRUCTURAL

S0.000	STRUCTURAL TITLE SHEET
S2.01ab	FOUNDATION/ FIRST FLOOR PLAN - AREAS A AND B
S2.02ab	ROOF FRAMING PLAN - AREAS A AND B
S5.201	SECTIONS AND DETAILS
S5.211	SECTIONS AND DETAILS
S5.212	SECTIONS AND DETAILS
S6.201	SCHEDULES AND DETAILS

ARCHITECTURAL

A0.001	GENERAL DETAILS - SYMBOLS, ABBREVIATIONS, MOUNTING HEIGHTS
A0.002	CODE PLAN - FIRST FLOOR
A0.003	CODE PLAN - SECOND FLOOR
A0.100	OVERALL FIRST FLOOR PLAN - FOR REFERENCE ONLY
A0.200	OVERALL SECOND FLOOR PLAN - FOR REFERENCE ONLY
A1.01a	FIRST FLOOR DEMOLITION PLAN - AREA A
A1.01b	FIRST & SECOND FLOOR DEMOLITION PLAN - AREA B
A1.02f	ADD ALT #2 - SECOND FLOOR DEMOLITION PLAN - AREA F
A2.01a	FIRST FLOOR PLAN - AREA A
A2.01b	FIRST FLOOR PLAN - AREA B
A2.02f	ADD ALT #2 - SECOND FLOOR PLAN - AREA F
A2.901	DOOR/ FRAME, WINDOW, STOREFRONT & INTERIOR BORROWED LIGHT TYPES & DETAILS
A2.950	ROOF PLAN
A3.01a	FIRST FLOOR REFLECTED CEILING PLAN - AREA A
A3.01b	FIRST FLOOR REFLECTED CEILING PLAN - AREA B
A3.02f	ADD ALT #2 - SECOND FLOOR REFLECTED CEILING PLAN - AREA F
A4.01a	FIRST FLOOR FINISH PLAN - AREA A & MATERIAL ID
A4.01b	FIRST FLOOR FINISH PLAN - AREA B
A4.02f	ADD ALT #2 - SECOND FLOOR FINISH PLAN - AREA F
A4.401	ENLARGED PLANS & INTERIOR ELEVATIONS
A4.402	ENLARGED PLANS & INTERIOR ELEVATIONS
A4.403	ADD ALT #2 - ENLARGED PLANS & INTERIOR ELEVATIONS
A4.700	DETAILS - INTERIOR WALL TYPES
A4.701	DETAILS - INTERIOR
A4.702	DETAILS - INTERIOR
A4.703	DETAILS - INTERIOR
A5.101	EXTERIOR ELEVATIONS & EXTERIOR MATERIAL ID
A5.102	EXTERIOR ELEVATIONS
A5.201	EXTERIOR WALL SECTIONS
A5.202	EXTERIOR WALL SECTIONS
A5.203	EXTERIOR WALL SECTIONS
A5.501	DETAILS - EXTERIOR CANOPY
A5.502	DETAILS - EXTERIOR WALL ASSEMBLIES & DETAILS
A5.503	DETAILS - EXTERIOR

ARCHITECTURAL

A5.504	DETAILS - EXTERIOR
A5.505	DETAILS - EXTERIOR ROOF
A5.506	DETAILS - EXTERIOR ROOF
A5.507	DETAILS - FIREWALL ASSEMBLY, SECTIONS & DETAILS
A5.601	BUILDING SECTIONS
A6.001	DETAILS - SITE
A7.001	RENDERINGS FOR REFERENCE ONLY

FOODSERVICE

FS000	COVER SHEET
FS100	FOODSERVICE EQUIPMENT PLAN
FS200	FOODSERVICE ELECTRICAL ROUGH-IN PLAN
FS300	FOODSERVICE PLUMBING ROUGH-IN PLAN
FS400	FOODSERVICE SPECIAL CONDITIONS PLAN & DETAILS

MECHANICAL

FP000	FIRE PROTECTION COVER SHEET
FP1.00A	FIRE PROTECTION DEMOLITION PLAN - AREA A
FP1.00B	FIRE PROTECTION DEMOLITION PLAN - AREA B
FP1.01A	FIRE PROTECTION PLAN - AREA A
FP1.01B	FIRE PROTECTION PLAN - AREA B
M0.00	MECHANICAL COVER SHEET
M1.00A	PLUMBING DEMOLITION PLAN - UNDERGROUND AREA A
M1.00B	PLUMBING DEMOLITION PLAN - UNDERGROUND AREA B
M1.01A	PLUMBING DEMOLITION PLAN - FIRST FLOOR AREA A
M1.01B	PLUMBING DEMOLITION PLAN - FIRST FLOOR AREA B
M1.02A	SANITARY PLAN - UNDERGROUND AREA A
M1.02B	SANITARY PLAN - UNDERGROUND AREA B
M1.03A	SANITARY PLAN - FIRST FLOOR AREA A
M1.03B	SANITARY PLAN - FIRST FLOOR AREA B
M1.04	SANITARY PLAN - SECOND FLOOR
M1.05	SANITARY PLAN - WASTE & VENT RISER DIAGRAMS
M2.00A	DOMESTIC PLAN - FIRST FLOOR AREA A
M2.00B	DOMESTIC PLAN - FIRST FLOOR AREA B
M2.01	DOMESTIC PLAN - ENLARGED MECHANICAL ROOM
M2.02	DOMESTIC PLAN - HOT & COLD WATER RISER DIAGRAMS
M3.00A	MECHANICAL DEMOLITION PLAN - FIRST FLOOR AREA A
M3.00B	MECHANICAL DEMOLITION PLAN - FIRST FLOOR AREA B
M3.01A	HVAC PLAN - FIRST FLOOR AREA A
M3.01B	HVAC PLAN - FIRST FLOOR AREA B
M3.02A	HVAC PLAN - ATTIC AREA A
M3.02B	HVAC PLAN - ATTIC AREA B
M3.03A	HVAC PLAN - ROOF AREA A
M3.03B	HVAC PLAN - ROOF AREA B
M3.04	HVAC PLAN - ENLARGED MECHANICAL ROOM
M4.00A	HVAC PIPING PLAN - FIRST FLOOR AREA A
M4.00B	HVAC PIPING PLAN - FIRST FLOOR AREA B
M4.01	HVAC PIPING PLAN - HEATING WATER FLOW DIAGRAMS
M4.02	HVAC PIPING PLAN - CHILLED WATER FLOW DIAGRAMS
M5.00	PLUMBING DETAILS
M5.01	MECHANICAL DETAILS
M5.02	PLUMBING SCHEDULES
M5.03	MECHANICAL SCHEDULES
M6.00	CONTROLS
M6.01	CONTROLS
M6.02	CONTROLS

ELECTRICAL

E0.01	ELECTRICAL COVER SHEET
E0.02	ELECTRICAL DETAILS
E0.10	SITE PLAN ELECTRICAL
E0.20	OVERALL FLOOR PLANS - ELECTRICAL
E1.00a	FIRST FLOOR PLAN - AREA A - ELECTRICAL DEMOLITION
E1.00b	FIRST FLOOR PLAN - AREA B - ELECTRICAL DEMOLITION
E1.00c	FIRST & SECOND FLOOR PLAN - AREA C - ELECTRICAL DEMOLITION
E1.00d	FIRST FLOOR PLAN - AREA D AND E - ELECTRICAL DEMOLITION
E1.01f	UPPER FLOOR TEMPORARY LIVING PLAN - ELECTRICAL DEMOLITION
E2.00a	FIRST FLOOR PLAN - AREA A - LIGHTING
E2.00b	FIRST FLOOR PLAN - AREA B - LIGHTING
E2.01f	UPPER FLOOR TEMPORARY LIVING PLAN - LIGHTING
E3.00a	FIRST FLOOR PLAN - AREA A - POWER
E3.00b	FIRST FLOOR PLAN - AREA B - POWER
E3.00c	FIRST & SECOND FLOOR PLAN - AREA C - POWER
E3.00d	FIRST FLOOR PLAN - AREA D AND E - POWER
E3.01f	UPPER FLOOR TEMPORARY LIVING PLAN - POWER
E3.03	ROOF PLAN - AREAS A AND B - POWER
E4.00a	FIRST FLOOR PLAN - AREA A - SYSTEMS
E4.00b	FIRST FLOOR PLAN - AREA B - SYSTEMS
E4.00c	FIRST & SECOND FLOOR PLAN - AREA C - SYSTEMS
E4.00d	FIRST FLOOR PLAN - AREA D AND E - SYSTEMS
E4.01f	UPPER FLOOR TEMPORARY LIVING PLAN - SYSTEMS
E5.00	TYPICAL RESIDENT ROOM FLOOR PLANS - ELECTRICAL
E6.01	ONE-LINE DIAGRAMS
E6.11	PANEL SCHEDULES
E6.21	MOTOR SCHEDULE & DETAILS
E7.01	LIGHT FIXTURE SCHEDULE & DETAILS
E7.02	LIGHTING CONTROL SCHEDULE & DETAILS
E8.01	DETAILS
E9.01	SYSTEM DETAILS
E9.02	CHAPEL SOUND SYSTEM

Set No:_____
Comm No:246039

Pelican Valley Senior Living Renovation
211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

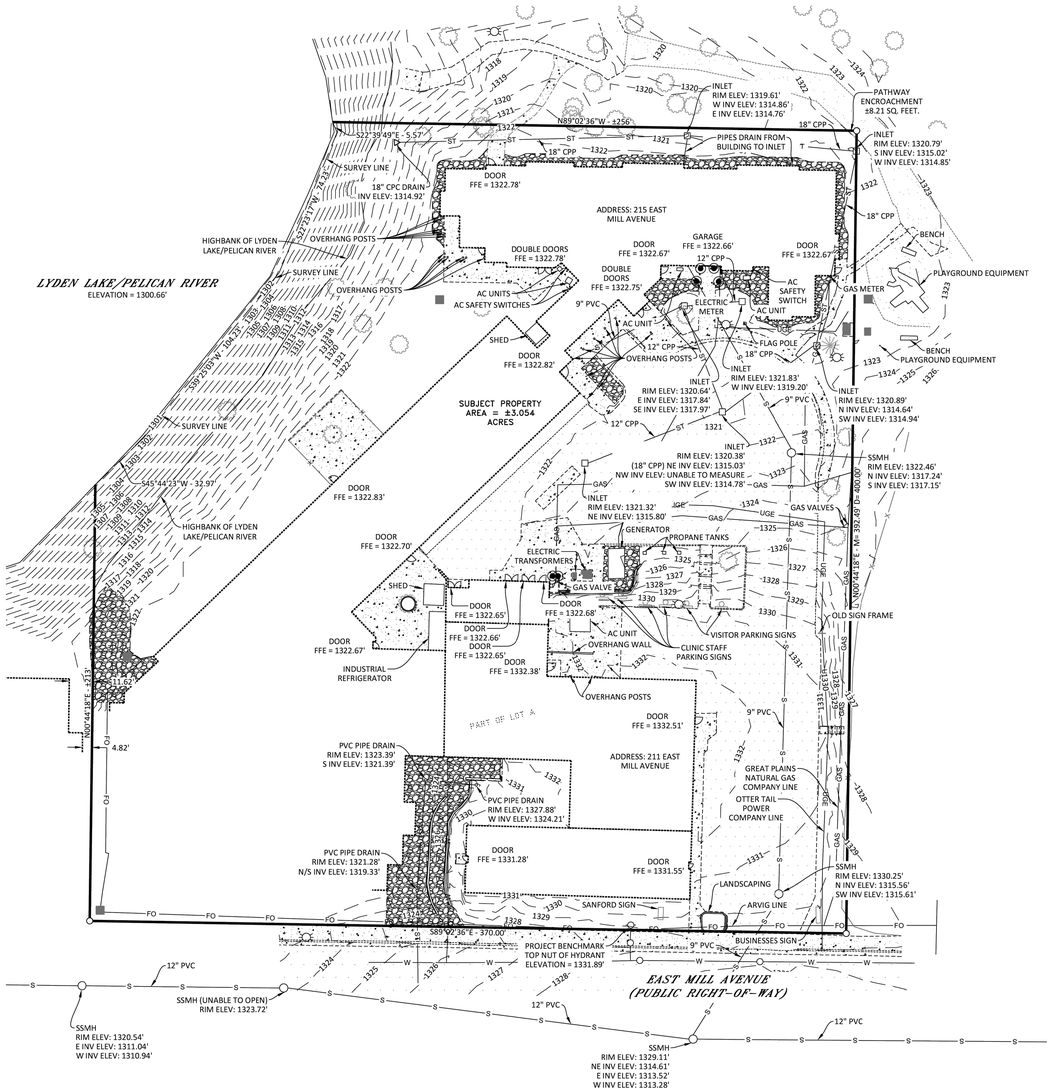
woldac.com | 651 227 7773

MN

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation - 2023.rvt
12/8/2023 9:11:32 PM

TOPOGRAPHIC SURVEY

211 MILL AVENUE EAST
PELICAN RAPIDS, OTTERTAIL COUNTY, MINNESOTA



DESCRIPTION

THAT PART OF LOT A OF MILL RESERVATION ONE (1) OF FRAZEE'S RE-ARRANGEMENT OF BLOCK SEVEN (7) AND MILL RESERVATIONS ONE (1) AND TWO (2) IN FRAZEE'S ADDITION TO THE VILLAGE OF PELICAN RAPIDS, OTTER TAIL COUNTY, MINNESOTA, DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHWEST CORNER OF SAID LOT A WHERE IT BORDERS ON MILL STREET AND EXTENDING EAST ALONG MILL STREET TO A POINT 370.00 FEET FROM THE POINT OF BEGINNING; THENCE DUE NORTH TO A POINT 400.00 FEET NORTH OF MILL STREET; THENCE DUE WEST TO THE WATER'S EDGE OF THE PELICAN RIVER; THENCE SOUTHWESTERLY ALONG THE WATER'S EDGE OF THE PELICAN RIVER TO A POINT DUE NORTH OF THE POINT OF BEGINNING; THENCE DUE SOUTH TO THE POINT OF BEGINNING ON MILL STREET.

EXCEPT A TRACT DEDICATED FOR ROAD AND STREET PUROSES DESCRIBED AS FFOLOWS, TO-WIT: ALL THAT PART OF LOT A OF MILL RESERVE NUMBER ONE (1) OF FRAZEE'S RE-ARRANGEMENT OF BLOCK SEVEN (7) AND MILL RESERVATIONS ONE (1) AND TWO (2) IN FRAZEE'S ADDITION TO THE VILLAGE OF PELICAN RAPIDS, OTTER TAIL COUNTY, MINNESOTA, WHICH LIES TO THE SOUTH OF A STRAIGHT LINE COMMENCING AT THE SOUTHWEST CORNER OF SAID LOT A WHERE IT BORDERS ON MILL STREET AND CONTINUING EAST TO THE SOUTHWEST CORNER OF SAID LOT A WHERE IT BORDERS ON MILL STREET.

AND EXCEPT A TRACT DEDICATED FOR ROAD AND STREET PURPOSES DESCRIBED AS FOLLOWS, TO-WIT: COMMENCING AT THE SOUTHWEST CORNER OF SAID LOT A; THENCE NORTH A DISTANCE OF 6.00 FEET TO THE SOUTHEAST CORNER OF LOT "B" OF SAID MILL RESERVE NO. ONE (1); THENCE EAST ON A STRAIGHT LINE A DISTANCE OF 370.00 FEET; THENCE DUE SOUTH A DISTANCE OF 6.00 FEET TO THE NORTH BOUNDARY LINE OF MILL STREET; THENCE WEST ALONG THE NORTH BOUNDARY LINE OF MILL STREET TO THE PLACE OF BEGINNING.

SAID TRACT OF LAND CONTAINS ±3.054 ACRES, MORE OR LESS, AND IS SUBJECT TO EASEMENTS AND RIGHTS OF WAY OF RECORD.

SURVEYOR'S CERTIFICATE

I COLE A. NESET HEREBY CERTIFY THAT THIS SURVEY, PLAN, AND/OR REPORT WAS PREPARED UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA.

COLE A. NESET
PROFESSIONAL LAND SURVEYOR
MINNESOTA LICENSE No. 49984

08-12-2024
DATE:

LEGEND

- MONUMENT FOUND
- EX. PROPERTY LINE
- PROPERTY BOUNDARY LINE
- FIBER OPTIC LINE
- GAS LINE
- UNDERGROUND ELECTRIC LINE
- WATER LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- FENCE LINE
- BUILDING LINE
- CONCRETE EDGE
- ASPHALT EDGE
- GRAVEL EDGE
- LANDSCAPING EDGE
- CURB LINE
- ELECTRIC TRANSFORMER
- UTILITY PEDESTAL
- GATE VALVE
- FIRE HYDRANT
- MANHOLE
- STORM BOX INLET
- STORM FLARED END SECTION
- LIGHT POLE
- BOLLARD
- CONIFEROUS TREE
- DECIDUOUS TREE
- SIGN
- CONCRETE HATCH
- ASPHALT HATCH
- GRAVEL HATCH
- LANDSCAPING HATCH

SURVEY INFORMATION

DATE OF SURVEY: 08/09/2024
BASIS OF BEARING: OTTER TAIL COUNTY COORDINATE SYSTEM, US SURVEY FEET
BENCHMARK USED: TOP NUT OF FIRE HYDRANT LOCATED SOUTHWEST OF THE SOUTHEASTERNMOST BUILDING CORNER
ELEVATION = 1331.89'

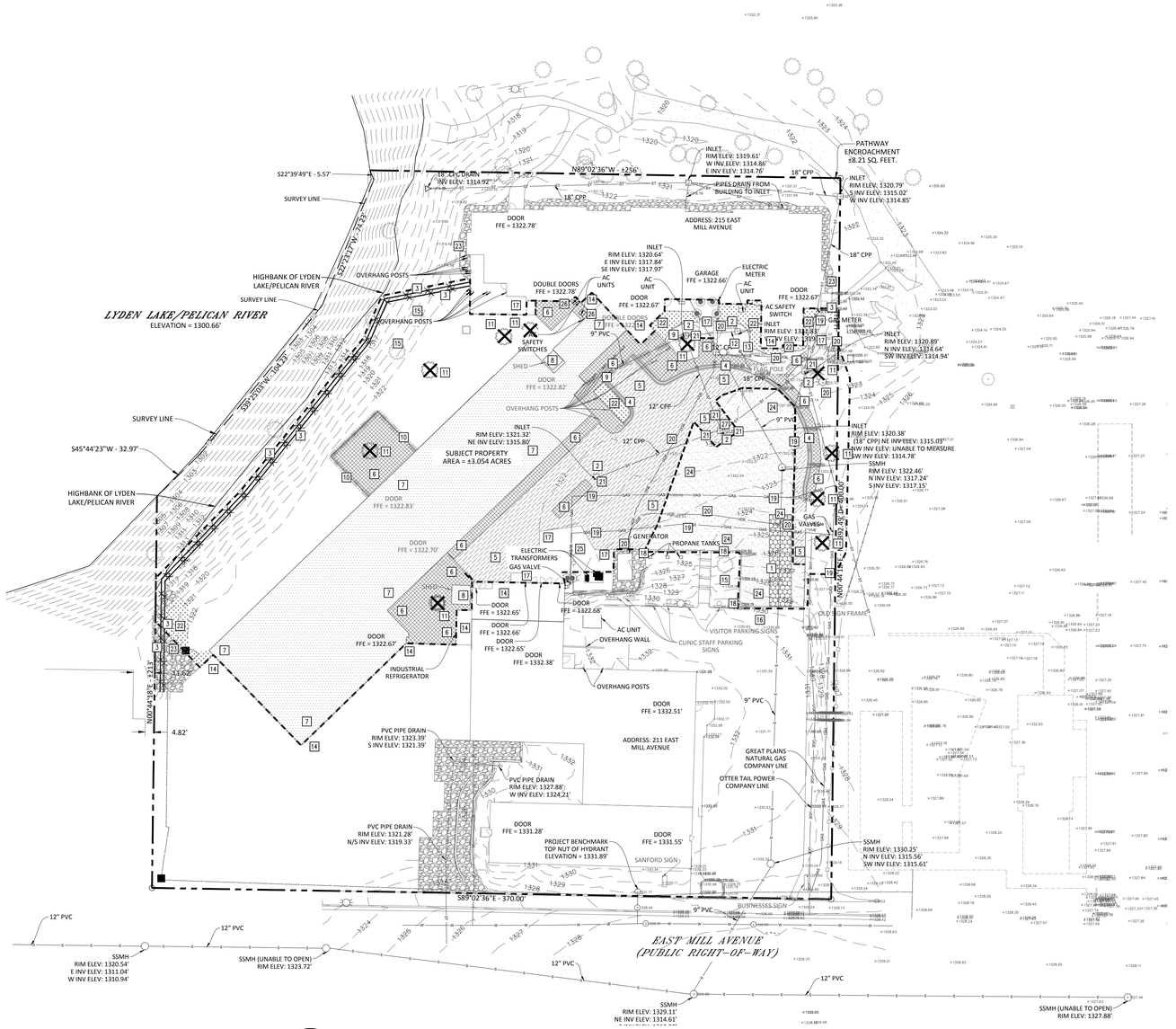
NOTES

1. THE UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION ONLY. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER CERTIFIES THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE FIELD INFORMATION OBTAINED.

SHEET 1 OF 1

Neset
LAND SURVEYS

08/12/24 03:11:39PM Z:\Neset Shared Files\Cole Projects_2024_Projects\24135_ Pelican Valley Senior Living Renovation project -Topo\Pelican Rapids Retirement Home Topo.dwg



1 C1.000 SELECTIVE SITE DEMOLITION AND EROSION CONTROL PLAN 1" = 30'

PROPOSED PLAN SYMBOLS

- CONSTRUCTION LIMITS
- SILTATION FENCE
- SEDIMENT CONTROL LOG
- PROPERTY LINE
- SAWCUT LINE (APPROX.)
- CONSTRUCTION ENTRANCE
- BITUMINOUS REMOVAL
- BITUMINOUS MILL LIMITS
- CONCRETE REMOVAL
- BUILDING REMOVAL
- CURB REMOVAL
- PIPE REMOVAL
- FENCE REMOVAL
- UTILITY REMOVAL
- TREE REMOVAL
- LANDSCAPE ROCK REMOVAL

ABBREVIATIONS

BLDG	Building
BM	Benchmark
CB	Catch Basin
CONC	Concrete
DIP	Ductile Iron Pipe
CPP	Corrugated Polyethylene Pipe
ELEV	Elevation
EX	Existing
FFE	Finished Floor Elevation
INV	Invert
MAX	Maximum
MH	Manhole
MIN	Minimum
PVC	Polyvinyl Chloride
RCP	Reinforced Concrete Pipe

NOTE:
PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL POTHOLE AND DETERMINE THE LOCATION AND ELEVATION OF EXISTING UNDERGROUND UTILITIES. CONTACT CIVIL ENGINEER IF EXISTING UTILITIES TO REMAIN WILL BE IMPACTED BY PROPOSED WORK.

NOTE:
STORM SEWER INLETS NOT SHOWN ON PLAN MAY RECEIVE RUNOFF FROM CONSTRUCTION ACTIVITIES. INSTALL INLET SEDIMENT PROTECTION PER DETAIL 2/C5.000 ON ALL STORM INLETS THAT MAY RECEIVE RUNOFF.

N

30' 15' 0 30' 60'

SCALE 1" = 30'

KEYED NOTES

KEYED NOTES ARE DENOTED BY [NO] ON PLAN.

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE. REFER TO DETAIL 1/C5.000.
2. INSTALL INLET SEDIMENT PROTECTION. REFER TO DETAIL 2/C5.000.
3. INSTALL PERIMETER EROSION CONTROL. REFER TO DETAILS 3/C5.000 AND 4/C5.000.
4. REMOVE CURB AND GUTTER IN ITS ENTIRETY TO THE APPROXIMATE EXTENTS SHOWN. SAWCUT AND REMOVE AT NEAREST JOINT.
5. SAWCUT AND REMOVE BITUMINOUS PAVEMENT IN ITS ENTIRETY TO THE EXTENTS SHOWN.
6. REMOVE CONCRETE PAVEMENT IN ITS ENTIRETY TO THE APPROXIMATE EXTENTS SHOWN.
7. REMOVE BUILDING TO THE APPROXIMATE EXTENTS SHOWN, INCLUDING EXTERIOR STAIRS, OVERHANGS, FOOTINGS, AND SMALL UTILITIES. COORDINATE REMOVAL OF SMALL UTILITIES WITH LOCAL UTILITY COMPANIES. **CONTRACTOR SHALL VERIFY LIMITS OF BUILDING REMOVAL WITH ARCHITECTURAL AND STRUCTURAL PLANS PRIOR TO START OF CONSTRUCTION.**
8. REMOVE SHED IN ITS ENTIRETY. CONTRACTOR SHALL COORDINATE WITH OWNER PRIOR TO START OF CONSTRUCTION TO VERIFY IF SHED IS TO BE REMOVED OR SALVAGED.
9. REMOVE STORM SEWER IN ITS ENTIRETY TO THE APPROXIMATE EXTENTS SHOWN. CONTRACTOR SHALL SEAL OPENING IN CATCH BASIN PER PELICAN RAPIDS REQUIREMENTS.
10. REMOVE FENCE IN ITS ENTIRETY.
11. REMOVE TREE IN ITS ENTIRETY INCLUDING STUMP.
12. REMOVE LIGHT POLE IN ITS ENTIRETY INCLUDING FOOTING.
13. REMOVE FLAG POLE IN ITS ENTIRETY INCLUDING FOOTING.
14. EXISTING BUILDING TO REMAIN. PROTECT AT ALL TIMES. **CONTRACTOR SHALL VERIFY LIMITS OF BUILDING REMOVAL WITH ARCHITECTURAL AND STRUCTURAL PLANS PRIOR TO START OF CONSTRUCTION.**
15. EXISTING TREE TO REMAIN. PROTECT AT ALL TIMES.
16. EXISTING BITUMINOUS PAVEMENT TO REMAIN. PROTECT AT ALL TIMES.
17. EXISTING CONCRETE PAVEMENT TO REMAIN. PROTECT AT ALL TIMES.
18. EXISTING CONCRETE CURB TO REMAIN. PROTECT AT ALL TIMES.
19. EXISTING GAS LINE TO REMAIN. PROTECT AT ALL TIMES.
20. EXISTING LIGHT POLE AND UNDERGROUND ELECTRICAL LINE TO REMAIN. PROTECT AT ALL TIMES.
21. EXISTING STORM SEWER TO REMAIN. PROTECT AT ALL TIMES.
22. REMOVE EXISTING LANDSCAPE ROCK, LANDSCAPE EDGER, AND FABRIC. SALVAGE ROCK FOR REUSE.
23. EXISTING LANDSCAPE ROCK TO REMAIN. PROTECT AT ALL TIMES.
24. CONTRACTOR SHALL MILL EXISTING BITUMINOUS PAVEMENT TO A DEPTH OF 2–INCHES.
25. EXISTING FENCE TO REMAIN. PROTECT AT ALL TIMES.
26. REMOVE AC UNIT AND AC SAFETY SWITCH.
27. REMOVE EXISTING STORM SEWER STRUCTURE IN ITS ENTIRETY. CONNECTED STORM SEWER PIPES ARE TO REMAIN. PROTECT AT ALL TIMES. REFER TO SHEET C3.000 FOR REPLACEMENT STRUCTURE.

DEMOLITION AND REMOVAL NOTES:

1. CONTRACTOR SHALL FOLLOW ALL CITY OF PELICAN RAPIDS STANDARDS AND SPECIFICATIONS.
2. PRIOR TO START OF ANY CONSTRUCTION ACTIVITY, ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED BY THE CONTRACTOR AND INSPECTED BY THE CITY OF PELICAN RAPIDS. PERIMETER SEDIMENT PROTECTION SHALL BE INSTALLED ALONG THE CONTOUR.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION AND MARK ALL EXISTING UTILITIES 48 HOURS BEFORE CONSTRUCTION STARTS. THE ENGINEER, ARCHITECT, OR OWNER DOES NOT GUARANTEE THAT ALL THE UTILITIES ARE MAPPED, OR, IF MAPPED, ARE SHOWN CORRECTLY. CONTACT GOPHER STATE ONE CALL AT 651–454–0002 FOR FIELD LOCATING EXISTING UTILITIES. CONTACT UTILITY OWNER IF DAMAGE OCCURS DUE TO CONSTRUCTION.
4. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR IS TO CLEARLY IDENTIFY IN THE FIELD THE WETLAND PERIMETERS THAT ARE NOT TO BE IMPACTED SO THAT NO ENCROACHMENT OCCURS.
5. THERE MAY BE MISCELLANEOUS ITEMS TO BE REMOVED THAT ARE NOT IDENTIFIED ON THESE PLANS. THE CONTRACTOR SHALL VISIT THE SITE AND REVIEW THE DOCUMENTS TO OBTAIN A CLEAR UNDERSTANDING OF THE INTENDED SCOPE OF WORK.
6. REMOVE ALL GAS AND ELECTRIC LINES UNDER PROPOSED BUILDING FOOTPRINT. COORDINATE DISCONNECTION OF EACH UTILITY WITH THE UTILITY OWNER.
7. ANY UTILITIES NOT INDICATED FOR REMOVAL OR ABANDONMENT ARE TO BE PROTECTED AT ALL TIMES.
8. EXISTING CONCRETE PAVEMENT AND CURB AND GUTTER SHOWN TO BE REMOVED WITHIN THE SCOPE OF THE PROJECT SHALL BE REMOVED FROM THE SAW CUT LINES TO THE NEAREST JOINT.
9. THE BACKGROUND INFORMATION WAS PREPARED BY NESET LAND SURVEYS. (701) 371–6991.
10. ALL WORK IN THE PUBLIC RIGHT OF WAY IS TO BE COORDINATED WITH THE CITY OF PELICAN RAPIDS. ROADWAY REPAIRS, BOULEVARD REPAIRS, AND TRAFFIC CONTROL ARE TO BE PER CITY OF PELICAN RAPIDS STANDARDS AND SPECIFICATIONS.

GENERAL NOTES:

1. CONCRETE CURB AND GUTTER REMOVAL, PAVEMENT REMOVAL, AND UTILITY REMOVAL LIMITS ARE TO BE COORDINATED WITH THE CITY OF PELICAN RAPIDS AND UTILITY OWNER.
2. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING AND REVIEW ALL CONSTRUCTION DOCUMENTS AND GEOTECHNICAL REPORTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ITEMS THAT SHOULD HAVE BEEN ANTICIPATED BY PERFORMING THE ABOVE.
3. THE CONSTRUCTION ENTRANCE INDICATED ON THE PLAN IS SHOWN IN AN APPROXIMATE LOCATION. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR IS TO COORDINATE WITH THE CITY OF PELICAN RAPIDS FOR THE EXACT CONSTRUCTION ENTRANCE LOCATION.

Pelican Valley Senior Living Renovation

211 E Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
6120 Eerie Brown Drive
Suite 700 Minneapolis, MN 55430 Phone: 763.843.0420
bkbm.com

© 2024 BKBM Engineers
Bakke Kopp Ballou & McFarlin, Inc.
All rights reserved. This document is an instrument of service and is the property of BKBM Engineers and may not be used or copied without prior written consent.

BKBM Project No. 24318.50

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.

Keith Matte

Keith A. Matte
License Number: **46674** Date **01/28/2025**

Revisions		
Description	Date	Num

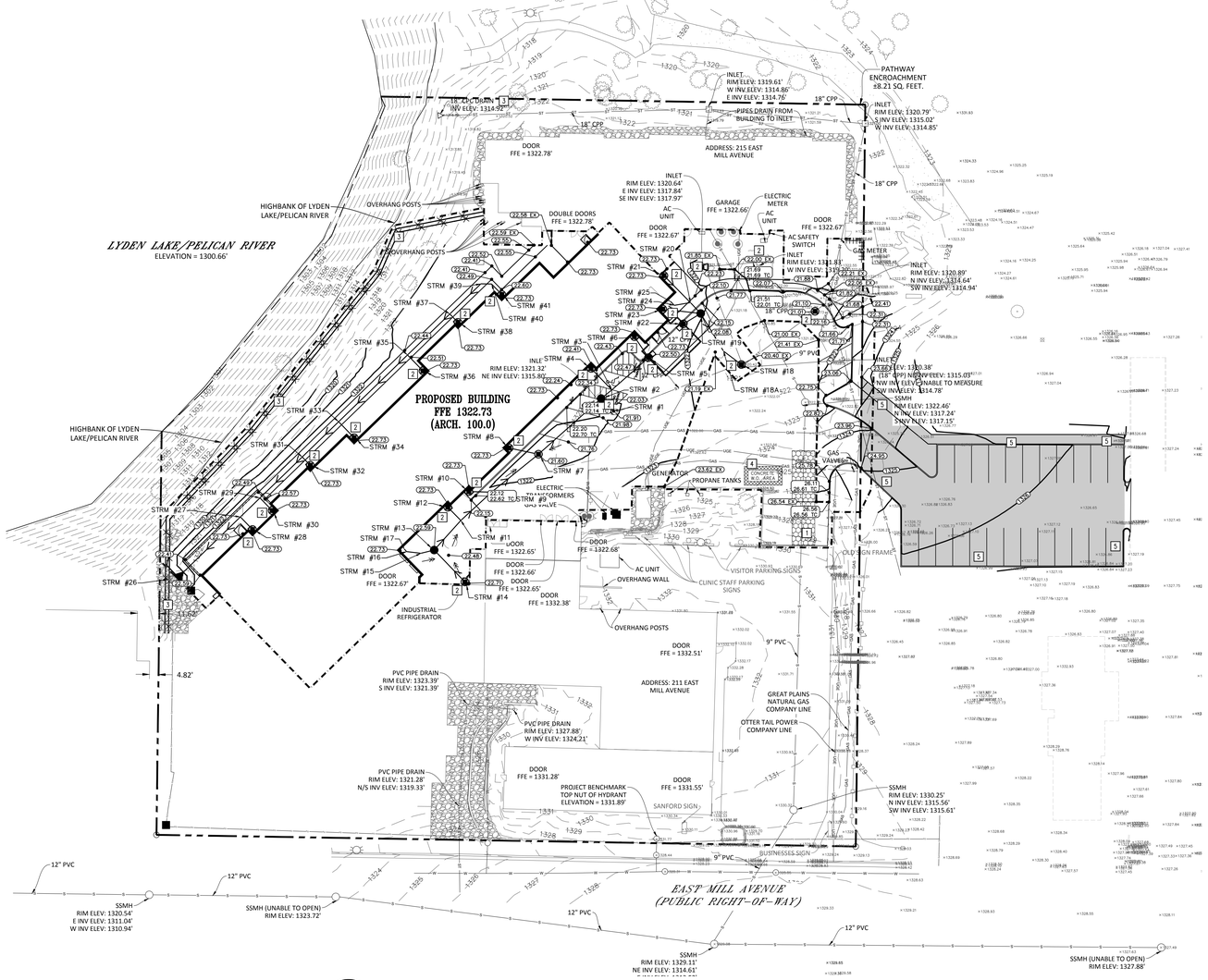
Comm: **246039**
Date: **01/28/2025**
Drawn: **WH**
Check: **KAM**

North

SELECTIVE SITE DEMOLITION AND EROSION CONTROL PLAN

C1.000

24318_Pelican Valley Sr Living Reno_Exhibit_PLOT_24x36.dwg
7/17/2024 8:57:12 AM



1 C2.000 GRADING, DRAINAGE, AND EROSION CONTROL PLAN
1" = 30'

PROPOSED PLAN SYMBOLS

- CONSTRUCTION LIMITS
- SILTATION FENCE
- SEDIMENT CONTROL LOG
- PROPERTY LINE
- SAWCUT LINE (APPROX.)
- PROPOSED CONTOUR (1320)
- STORM SEWER
- CATCH BASIN
- MANHOLE
- CONSTRUCTION ENTRANCE
- DRAINAGE FLOW ARROW
- SPOT ELEVATION (22.50)
- CONCRETE WASHOUT AREA (CONCRETE WASHOUT)
- BID ALTERNATE AREA

ABBREVIATIONS

BLDG	Building
BM	Benchmark
BW	Bottom of Wall
CB	Catch Basin
CONC	Concrete
CPP	Corrugated Polyethylene Pipe
ELEV	Elevation
EX	Existing
FFE	Finished Floor Elevation
HWL	High Water Level
INV	Invert
MAX	Maximum
MH	Manhole
MIN	Minimum
NWL	Normal Water Level
PVC	Polyvinyl Chloride
RCP	Reinforced Concrete Pipe
STRM	Storm Sewer Structure
TW	Top of Wall
W.O.	Washout
WQE	Water Quality Elevation

APPROXIMATE DISTURBED AREA IS 0.98 ACRES
APPROXIMATE BITUMINOUS MILL AREA IS 0.14 ACRES

NOTE:
STORM SEWER INLETS NOT SHOWN ON PLAN MAY RECEIVE RUNOFF FROM CONSTRUCTION ACTIVITIES. INSTALL INLET SEDIMENT PROTECTION PER DETAIL 2/C5.000 ON ALL STORM INLETS THAT MAY RECEIVE RUNOFF.

N

30' 15' 0 30' 60'
SCALE 1" = 30'

KEYED NOTES

KEYED NOTES ARE DENOTED BY [NO] ON PLAN.

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE. REFER TO DETAIL 1/C5.000.
2. INSTALL INLET SEDIMENT PROTECTION. REFER TO DETAIL 2/C5.000.
3. INSTALL PERIMETER EROSION CONTROL. REFER TO DETAILS 3/C5.000 AND 4/C5.000.
4. APPROXIMATE LOCATION OF TEMPORARY CONTAINED CONCRETE WASH OUT BIN. REFER TO THE MINNESOTA'S NPDES/SDS GENERAL STORMWATER PERMIT FOR CONSTRUCTION ACTIVITY FOR MORE DETAILS. SELF CONTAINED CONCRETE WASHOUTS ON CONCRETE DELIVERY TRUCKS IS AN ACCEPTABLE ALTERNATIVE TO ON-SITE CONTAINMENT.
5. BID ALTERNATE: REFER TO 1/C4.001 FOR GRADING, DRAINAGE, AND EROSION CONTROL ALTERNATE.

EROSION CONTROL NOTES:

1. ALL EROSION CONTROL FACILITIES SHALL BE INSTALLED PRIOR TO ANY SITE GRADING OPERATIONS. THE CITY ENGINEERING DEPARTMENT MUST BE NOTIFIED UPON COMPLETION OF THE INSTALLATION OF THE REQUIRED EROSION CONTROL FACILITIES AND PRIOR TO ANY GRADING OPERATION BEING COMMENCED. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION GRADING MEETING ON-SITE WITH THE CITY. IF DAMAGED OR REMOVED DURING CONSTRUCTION, ALL EROSION CONTROL FACILITIES SHALL BE RESTORED AND IN PLACE AT THE END OF EACH DAY.
2. ANY EROSION CONTROL FACILITIES DEEMED NECESSARY BY THE CITY, BEFORE, DURING, OR AFTER THE GRADING ACTIVITIES, SHALL BE INSTALLED AT THEIR REQUEST.
3. NO DEVIATIONS SHALL BE MADE FROM THE ELEVATIONS SHOWN ON THE APPROVED GRADING PLAN WITHOUT PRIOR APPROVAL FROM THE CIVIL ENGINEER.
4. FOR SITES GREATER THAN 1.0 ACRE, AS REQUIRED BY THE MPCA PERMIT REQUIREMENTS, THE PERMIT APPLICANT MUST KEEP AN EROSION CONTROL INSPECTION LOG. INSPECTION MUST BE MADE ONCE EVERY SEVEN DAYS AND WITHIN 24 HOURS AFTER EVERY RAIN EVENT. THE INSPECTION RECORD MUST BE MADE AVAILABLE TO THE CITY WITHIN 24 HOURS OF REQUEST.
5. FLOWS FROM DIVERSION CHANNELS OR PIPES (TEMPORARY OR PERMANENT) SHALL BE ROUTED TO SEDIMENTATION BASINS OR APPROPRIATE ENERGY DISSIPATERS TO PREVENT TRANSPORT OF SEDIMENT TO OUTFLOW TO LATERAL CONVEYORS AND TO PREVENT EROSION AND SEDIMENTATION WHEN RUNOFF FLOWS INTO THESE CONVEYORS.
6. SITE ACCESS ROADS SHALL BE GRADED OR OTHERWISE PROTECTED WITH SILT FENCES, DIVERSION CHANNELS, OR DIKES AND PIPES TO PREVENT SEDIMENT FROM EXITING THE SITE VIA THE ACCESS ROADS. SITE-ACCESS ROADS/DRIVEWAYS SHALL BE SURFACED WITH CRUSHED ROCK WHERE THEY ADJOIN EXISTING PAVED ROADWAYS.
7. SOILS TRACKED FROM THE SITE BY MOTOR VEHICLES OR EQUIPMENT SHALL BE CLEANED DAILY FROM PAVED ROADWAY SURFACES, OR MORE FREQUENTLY IF REQUESTED BY THE CITY, THROUGHOUT THE DURATION OF CONSTRUCTION.
8. DUST CONTROL MEASURES SHALL BE PERFORMED PERIODICALLY WHEN CONDITIONS REQUIRE AND/OR AS DIRECTED BY THE CITY.
9. ALL EROSION CONTROL MEASURES SHALL BE USED AND MAINTAINED FOR THE DURATION OF SITE CONSTRUCTION. IF CONSTRUCTION OPERATIONS OR NATURAL EVENTS DAMAGE OR INTERFERE WITH THESE EROSION CONTROL MEASURES, THEY SHALL BE RESTORED TO SERVE THEIR INTENDED FUNCTION AT THE END OF EACH DAY OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS.
10. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED AS SOON AS POSSIBLE. ANY AREAS WHICH HAVE BEEN FINISHED GRADED OR AREAS THAT HAVE BEEN DISTURBED AND FOR WHICH GRADING OR SITE BUILDING CONSTRUCTION OPERATIONS ARE NOT ACTIVELY UNDERWAY SHALL BE SEEDED AND MULCHED AS SET FORTH IN THE FOLLOWING PARAGRAPHS WITHIN 7 DAYS:
    - A. ALL SEEDED AREAS SHALL BE EITHER MULCHED AND DISC-ANCHORED OR COVERED BY FIBROUS BLANKETS TO PROTECT SEEDS AND LIMIT EROSION. TEMPORARY STRAW MULCH SHALL BE DISC-ANCHORED AND APPLIED AT A UNIFORM RATE OF NOT LESS THAN TWO TONS PER ACRE AND NOT LESS THAN 80% COVERAGE.
    - B. IF THE GRADED AREA IS ANTICIPATED TO BE RE-DISTURBED/DEVELOPED WITHIN SIX MONTHS, PROVIDE A TEMPORARY VEGETATIVE COVER CONSISTING OF MINNESOTA DEPARTMENT OF TRANSPORTATION (MNDOT) SEED MIXTURE 21-111 (OATS), OR 21-112 (WINTER WHEAT), AT A RATE OF 100 POUNDS PER ACRE.
    - C. IF GRADED AREA WILL NOT BE DEVELOPED FOR A PERIOD GREATER THAN SIX MONTHS, PROVIDE A SEMI-PERMANENT VEGETATIVE COVER OF SEED MIXTURE MNDOT 22-112 AT A RATE OF 40 POUNDS PER ACRE.
    - D. GRADING BONDS OR THE EQUIVALENT SECURITIES SHALL BE RETAINED UNTIL TURF HAS GERMINATED AND SURVIVED A 60-DAY GROWING PERIOD.
    - E. ALL AREAS THAT WILL NOT BE MOWED OR MAINTAINED AS PART OF THE ULTIMATE DESIGN WILL BE PERMANENTLY RESTORED USING SEED MIXTURE MNDOT 25-141 AT A RATE OF 59 POUNDS PER ACRE.
    - F. UNLESS SPECIFIED ELSEWHERE WITHIN THE CONSTRUCTION DOCUMENTS (I.E. ARCHITECTURAL SITE PLAN OR LANDSCAPE PLAN), PERMANENT TURF RESTORATION SHALL CONSIST OF SOD.
    - G. WHENEVER OTHER EROSION AND SEDIMENT CONTROL PRACTICES ARE INADEQUATE, TEMPORARY ON-SITE SEDIMENT BASINS THAT CONFORM TO THE CRITERIA FOR ON-SITE DETENTION BASINS SHALL BE PROVIDED.
    - H. MULCH, HYDROMULCH, AND TACKIFIERS MAY NOT BE USED FOR STABILIZATION IN SWALES OR DRAINAGE DITCHES UNLESS THE LONGITUDINAL SLOPE IS LESS THAN 2 PERCENT.
    - I. RUNOFF SHALL BE PREVENTED FROM ENTERING ALL STORM SEWER CATCH BASINS PROVIDING THEY ARE NOT NEEDED DURING CONSTRUCTION. WHERE STORM SEWER CATCH BASINS ARE NECESSARY FOR SITE DRAINAGE DURING CONSTRUCTION, SEDIMENT PROTECTION DEVICES AS DETAILED SHALL BE INSTALLED AND MAINTAINED AROUND ALL CATCH BASINS UNTIL THE TRIBUTARY AREA TO THE CATCH BASIN IS RESTORED.
11. GRADING ACTIVITIES PROPOSED TO BEGIN AFTER OCTOBER 15 WILL REQUIRE AN APPROVED PHASING SCHEDULE. THE AREA OF LAND THAT THE CITY WILL ALLOW TO BE DISTURBED AT THIS TIME OF YEAR WILL BE SEVERELY LIMITED. THE CITY WILL ALSO REQUIRE ADDITIONAL EROSION CONTROL DEVICES, I.E., TEMPORARY SEDIMENT BASINS, DORMANT SEEDING AND HIGH RATES OF APPLICATION OF BOTH SEED AND MULCH.
12. FILTER BLANKET AND RIPRAP SHALL BE INSTALLED ON THE DOWNSTREAM SIDES OF ALL STORM SEWER OUTLETS 24 HOURS AFTER CONSTRUCTION AS INDICATED AND DETAILED. ALL RIPRAP SHALL BE INSTALLED WITH A FILTER MATERIAL MEETING THE MNDOT SPECIFICATIONS FOR RIPRAP AND FILTER MATERIAL.
13. EROSION CONTROL FACILITIES SHALL BE INSTALLED AND MAINTAINED AROUND THE PERIMETER OF ALL RIVERS WITHIN OR ADJACENT TO THE AREA TO BE GRADED UNTIL THE TRIBUTARY AREA TO THE RIVER IS RESTORED.
14. TO MINIMIZE EROSION, ALL 3:1 SLOPES SHALL BE COVERED WITH A MN/DOT 3885 CATEGORY 20 STRAW EROSION CONTROL BLANKETS OR STAKED SOD.
15. ACCUMULATION OF ALL SEDIMENT OCCURRING IN RIVERS AND STORM SEWERS SHALL BE REMOVED PRIOR TO, DURING, AND AFTER COMPLETION OF GRADING ACTIVITIES.
16. EROSION CONTROL ITEMS AND DEVICES SHALL BE REMOVED ONLY AFTER THE AREA HAS RECEIVED FINAL STABILIZATION OR AS DIRECTED BY THE CITY.

GRADING NOTES:

1. THE CONTRACTOR SHALL VISIT THE SITE, REVIEW ALL CONSTRUCTION DOCUMENTS, AND FIELD VERIFY THE EXISTING CONDITIONS PRIOR TO BIDDING. NO ADDITIONAL COMPENSATION WILL BE GIVEN FOR WORK THAT COULD HAVE BEEN IDENTIFIED BY A SITE VISIT OR CONSTRUCTION DOCUMENT REVIEW.
2. THE BACKGROUND INFORMATION WAS PREPARED BY NESET LAND SURVEYS. (701) 371-6991.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION AND MARK ALL EXISTING UTILITIES 48 HOURS BEFORE CONSTRUCTION STARTS. THE ENGINEER, ARCHITECT, OR OWNER DOES NOT GUARANTEE THAT ALL THE UTILITIES ARE MAPPED, OR, IF MAPPED, ARE SHOWN CORRECTLY. CONTACT GOPHER STATE ONE CALL AT 651-454-0002 FOR FIELD LOCATING EXISTING UTILITIES. CONTACT UTILITY OWNER IF DAMAGE OCCURS DUE TO CONSTRUCTION.
4. PROTECT ALL EXISTING STRUCTURES AND UTILITIES WHICH ARE NOT SCHEDULED FOR REMOVAL.
5. NOTIFY CITY BUILDING INSPECTOR BEFORE TRENCHING AND EXCAVATION WORK COMMENCES. THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS PRIOR TO START OF CONSTRUCTION.
6. ALL SPOT ELEVATIONS SHOWN AS 22.50, FOR EXAMPLE, ARE TO BE UNDERSTOOD TO MEAN 1322.50.
7. ALL SPOT ELEVATIONS ALONG THE CURB-LINE INDICATE THE ELEVATION OF THE GUTTER UNLESS NOTED OTHERWISE.
8. NO LANDSCAPED SLOPES ARE TO EXCEED 3:1 (3 FEET HORIZONTAL TO 1 FOOT VERTICAL) UNLESS NOTED OTHERWISE.
9. ACCESSIBLE PARKING AREAS SHALL NOT HAVE SLOPES IN ANY DIRECTION THAT EXCEED 2%.
10. PROVIDE POSITIVE DRAINAGE FROM BUILDINGS AT ALL TIMES.
11. PRIOR TO ISSUANCE OF BUILDING PERMITS, ALL NECESSARY EROSION CONTROL DEVICES MUST BE IN PLACE AND FUNCTIONING. THE CITY WILL INSPECT THE SITE TO DETERMINE ITS SUITABILITY FOR BUILDING ACTIVITIES. IF THE PUBLIC UTILITIES HAVE NOT BEEN INSTALLED AT THIS POINT, IT MAY BE NECESSARY TO WITHHOLD BUILDING PERMITS FOR VARIOUS LOTS TO ALLOW THE CONTRACTOR ADEQUATE SPACE TO PERFORM THIS WORK.
12. ALL DEBRIS CREATED IN THE PROCESS OF CLEARING AND GRADING THE SITE SHALL BE REMOVED FROM THE SITE. THIS INCLUDES TREES AND SHRUBS. UNDER NO CIRCUMSTANCES SHALL THIS TYPE OF MATERIAL BE BURIED OR BURNED ON THE SITE.
13. THE CONTRACTOR MAY STRIP AND SALVAGE TOPSOIL FOR POTENTIAL RE-SPREADING ON THE SITE, IF APPROVED BY THE LANDSCAPE ARCHITECT AND/OR SPECIFICATIONS. SIX INCHES OF TOPSOIL – AFTER COMPACTION – SHALL BE RE-SPREAD PRIOR TO SEEDING AND MULCHING. EXCESS TOPSOIL MAY BE REMOVED FROM THE SITE PROVIDED THERE IS ADEQUATE TOPSOIL REMAINING TO PROPERLY FINISH THE SITE AS NOTED ABOVE. THE TOPSOIL STRIPPING, STOCKPILING, AND RE-SPREADING SHALL BE DONE IN ACCORDANCE WITH, AND NOTED ON, THE APPROVED GRADING PLAN AND SPECIFICATIONS. THE CONTRACTOR SHALL REFER TO THE LANDSCAPE DRAWINGS AND SPECIFICATIONS FOR ANY SPECIAL TOPSOIL OR PLANTING REQUIREMENTS.
14. ALL GRADING OPERATIONS SHALL BE CONDUCTED IN A MANNER TO MINIMIZE THE POTENTIAL FOR SITE EROSION. EROSION CONTROL MEASURES SHALL BE INSTALLED TO PREVENT SEDIMENT FROM RUNNING OFF ONTO ADJACENT PROPERTIES. ANY DAMAGE TO ADJACENT PROPERTIES MUST BE CORRECTED AND RESTORED AS SOON AS PERMISSION IS GRANTED FROM THE ADJACENT PROPERTY OWNER(S).
15. IF CONSTRUCTION OF THE SITE WORK PROCEEDS THROUGH THE WINTER MONTHS, ANY DISTURBED AREAS OUTSIDE THE BUILDING FOOTPRINTS ARE TO BE MINIMALLY STABILIZED PRIOR TO MARCH 1 AS FOLLOWS: AREAS PLANNED TO RECEIVE PAVEMENTS ARE TO HAVE CLASS 5 BASE INSTALLED; ALL OTHER DISTURBED AREAS ARE TO BE SEEDED, STRAW MULCH PLACED, AND DISC-ANCHORED.
16. WINTER MULCHING:
    - 16.A. SNOW MULCHING SHALL BE DEFINED AS MULCH MATERIAL SPREAD OVER THE TOP OF SNOW SO THAT THE MULCH MELTS THROUGH THE SNOW AND STICKS TO THE EXPOSED SOILS.
    - 16.B. FROZEN GROUND MULCHING SHALL BE DEFINED AS MULCH MATERIAL SPREAD OVER FROZEN GROUND. MULCH MATERIALS THAT DO NOT REQUIRE DISC-ANCHORING INTO THE SOIL MAY BE PLACED WITHOUT MODIFICATION. MULCH MATERIALS THAT REQUIRE DISC-ANCHORING MAY BE ANCHORED WITH HYDRAULIC SOIL STABILIZERS OR MAY BE FROZEN TO THE SOIL BY APPLYING WATER AT A RATE OF 2000 GALLONS PER ACRE OVER THE MULCH AS A SUBSTITUTION FOR DISC-ANCHORING.
17. THE CONTRACTOR SHALL LIMIT THE DISTURBED AREA AS MUCH AS POSSIBLE.

Pelican Valley Senior Living Renovation

211 E Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
6120 Eerie Brown Drive
Suite 700 Minneapolis, MN 55430 Phone: 763.843.0420
bkbm.com

© 2024 BKBM Engineers
Bakke Kopp Ballou & McFarlin, Inc.
All rights reserved. This document is an instrument of service and is the property of BKBM Engineers and may not be used or copied without prior written consent.

BKBM Project No. 24318.50

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.

Keith A. Matte
License Number: **46674** Date **01/28/2025**

Revisions		
Description	Date	Num

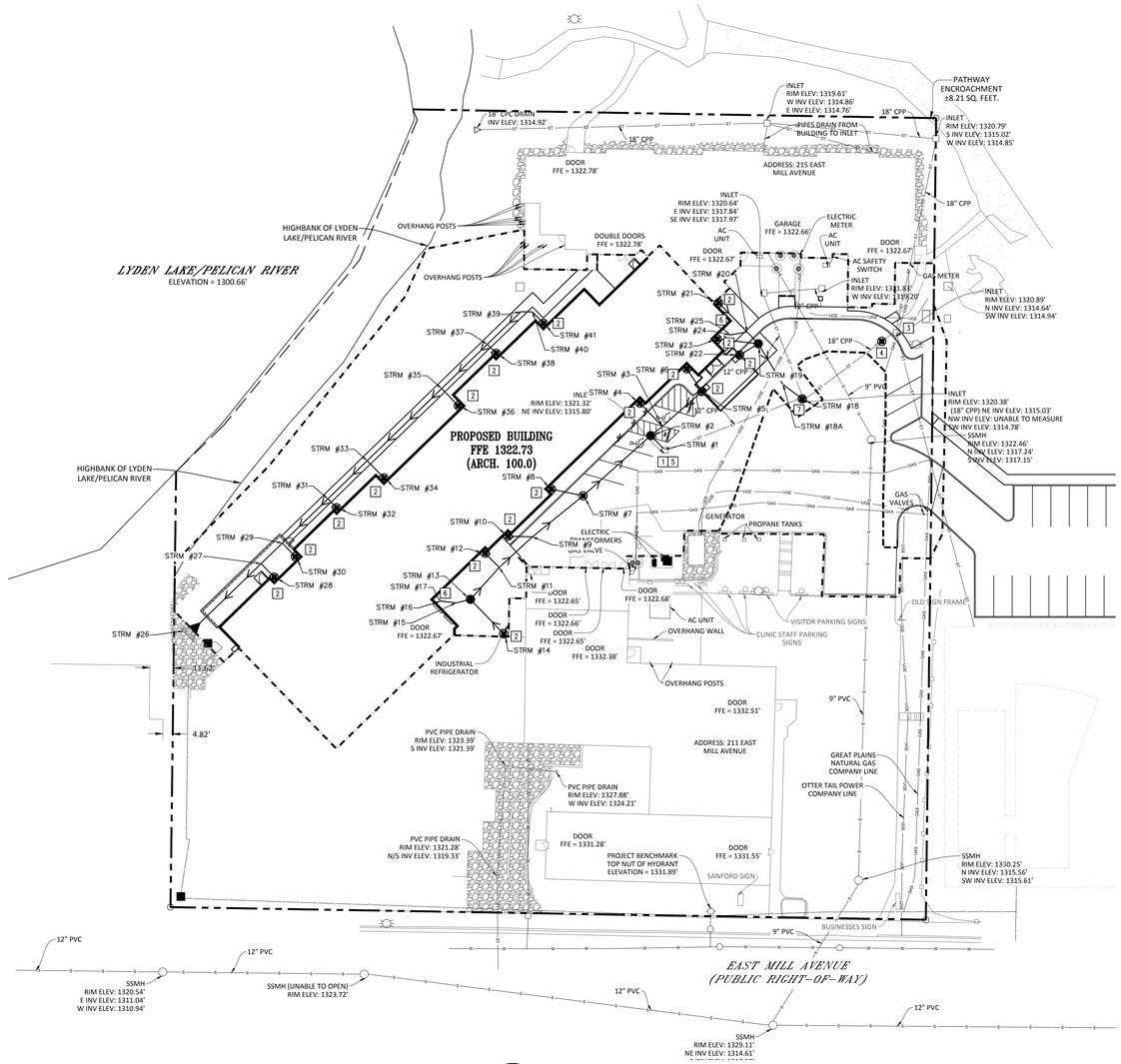
Comm: **246039**
Date: **01/28/2025**
Drawn: **WH**
Check: **KAM**

North

GRADING, DRAINAGE, AND EROSION CONTROL PLAN

C2.000

3/4/25 Plotted: Mar 04, 2025 - 8:57:42 AM
P:\2024\24318.50\Drawing Files_Sheet Files\24318.50_GRADING.dwg



1 C3.000 UTILITY PLAN 1" = 30'

KEYED NOTES

KEYED NOTES ARE DENOTED BY [NO] ON PLAN.

1. CORE DRILL EXISTING MANHOLE FOR PROPOSED PIPE CONNECTION. PROVIDE WATERTIGHT SEAL WITH FLEXIBLE COMPRESSION JOINT. CEMENT MORTAR JOINTS ARE PERMITTED ONLY FOR REPAIRS AND CONNECTIONS OF EXISTING LINES CONSTRUCTED WITH SUCH JOINTS.
2. LOCATION OF PROPOSED DOWNSPOUT COLLECTOR. REFER TO STORM SEWER TABLE FOR INVERT ELEVATIONS AND PIPE SIZES. REFER TO DETAIL 7/C5.000. **COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO THE START OF CONSTRUCTION.**
3. RECONSTRUCT EXISTING MANHOLE TO MATCH PROPOSED GRADE. INSTALL NEENAH R-1733 CASTING.
4. CONTRACTOR SHALL INSTALL 48" PRECAST CATCH BASIN MANHOLE IN LINE WITH EXISTING 18-INCH CPP PIPE. CASTING TYPE FOR CATCH BASIN MANHOLE SHALL BE NEENAH R-2390. RIM ELEVATION OF PROPOSED MANHOLE SHALL BE 1321.01. APPROXIMATE INVERT OF EXISTING PIPE IS 1314.95. PRIOR TO INSTALLATION OF MANHOLE, CONTRACTOR SHALL CONTACT CIVIL ENGINEER WITH EXACT INVERT ELEVATION.
5. ADJUST EXISTING MANHOLE TO MATCH PROPOSED GRADE. REFER TO GRADING PLAN C2.000.
6. LOCATION OF PROPOSED STORM SEWER CONNECTION. REFER TO STORM SEWER TABLE FOR INVERT ELEVATIONS AND PIPE SIZES. **COORDINATE EXACT LOCATION, SIZE, AND INVERT ELEVATION WITH MECHANICAL CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.**
7. CONTRACTOR SHALL INSTALL CATCH BASIN MANHOLE IN LINE WITH EXISTING STORM SEWER PIPES. REFER TO STORM SEWER TABLE FOR APPROXIMATE INVERTS OF EXISTING PIPES. PRIOR TO INSTALLATION OF MANHOLE, CONTRACTOR SHALL CONTACT CIVIL ENGINEER WITH EXACT INVERT ELEVATIONS.

UTILITY NOTES:

1. CONTRACTOR SHALL FOLLOW ALL CITY OF PELICAN RAPIDS STANDARDS AND SPECIFICATIONS.
2. COORDINATE SERVICE CONNECTION LOCATIONS, SIZES, AND INVERTS AT THE BUILDING WITH THE MECHANICAL CONTRACTOR PRIOR TO CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR UNCOORDINATED WORK.
3. COORDINATE UTILITY INSTALLATION WITH STRUCTURAL PRIOR TO START OF CONSTRUCTION. UTILITIES SHALL NOT BE INSTALLED WITHIN THE ZONE OF INFLUENCE OF ANY STRUCTURAL ELEMENTS. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR UNCOORDINATED WORK.
4. ALL SEWER SERVICE CONNECTIONS WITH LESS THAN 5 FEET OF COVER OVER THE TOP OF PIPE SHALL BE INSULATED. INSULATION SHALL BE INSTALLED FROM THE CONNECTION OF THE SERVICE AT THE BUILDING TO THE POINT WHICH THE SERVICE ATTAINS 5 FEET OF COVER. CONTRACTOR SHALL OBTAIN WRITTEN PERMISSION FROM ARCHITECT OR ENGINEER PRIOR TO INSTALLATION OF INSULATION.
5. PROTECT ALL EXISTING STRUCTURES AND UTILITIES WHICH ARE NOT SCHEDULED TO BE REMOVED.
6. ALL SEWER AND WATER CROSSINGS SHALL HAVE A MINIMUM VERTICAL SEPARATION OF 1.5 FEET AND HORIZONTAL SEPARATION OF 10 FEET. FOLLOW ALL HEALTH DEPARTMENT AND CITY OF PELICAN RAPIDS STANDARDS.
7. STORM SEWER PIPING SHALL BE ASTM D3034 SDR 40 POLY VINYL CHLORIDE (PVC), UNLESS NOTED OTHERWISE. ALL STORM SEWER PIPE THAT IS EXTENDED TO THE BUILDING FOR ROOF DRAIN SERVICES SHALL BE ASTM D1785 OR ASTM D2665 SCHEDULE 40 PVC.
8. ALL FLARED END SECTIONS SHALL HAVE TRASH GUARDS. ALL DOWNSTREAM FLARED END SECTIONS SHALL HAVE GEOTEXTILE FABRIC AND RIPRAP PER MNDOT STANDARDS, AS DETAILED.
9. CONTRACTOR SHALL COORDINATE ALL WORK WITH GAS, ELECTRIC, TELEVISION, AND TELEPHONE COMPANIES PRIOR TO START OF CONSTRUCTION.
10. WHERE PROPOSED GRADE OVER EXISTING SMALL UTILITIES IS PROPOSED TO BE LOWERED, CONTRACTOR SHALL COORDINATE WITH UTILITY OWNER FOR THE LOWERING OF THE EXISTING UTILITY TO PROVIDE THE MINIMUM COVER REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
11. ALL PORTIONS OF THE STORM SEWER SYSTEM LOCATED WITHIN 10-FEET OF THE BUILDING OR WATER SERVICE LINE SHALL BE TESTED IN ACCORDANCE WITH MN PLUMBING CODE. PIPING MATERIAL SHALL BE ASTM D1785 OR ASTM D2665 SCHEDULE 40 PVC.
12. ALL JOINTS AND CONNECTIONS IN THE STORM SEWER SYSTEM SHALL BE GAS TIGHT OR WATER TIGHT IN ACCORDANCE TO MN PLUMBING CODE. APPROVED RESILIENT RUBBER JOINTS MUST BE USED TO MAKE WATER TIGHT CONNECTIONS TO MANHOLES, CATCH BASINS, AND OTHER STRUCTURES. RESILIENT WATER-STOP GROUTING RINGS ARE AN ACCEPTABLE ALTERNATIVE. CEMENT MORTAR JOINTS ARE PERMITTED ONLY FOR REPAIRS AND CONNECTIONS OF EXISTING LINES CONSTRUCTED WITH SUCH JOINTS.

PROPOSED PLAN SYMBOLS

- CONSTRUCTION LIMITS
- PROPERTY LINE
- SAWCUT LINE (APPROX.)
- STORM SEWER
- CATCH BASIN
- MANHOLE
- FLARED END SECTION WITH RIPRAP

ABBREVIATIONS

BLDG	Building
BM	Benchmark
CB	Catch Basin
CONC	Concrete
CPP	Corrugated Polyethylene Pipe
DIP	Ductile Iron Pipe
ELEV	Elevation
EX	Existing
FFE	Finished Floor Elevation
HDPE	High Density Polyethylene
INV	Invert
MAX	Maximum
MH	Manhole
MIN	Minimum
PIV	Post Indicator Valve
PVC	Polyvinyl Chloride
RCP	Reinforced Concrete Pipe
RD	Roof Drain
WQE	Water Quality Elevation

NOTE:
WHERE PROPOSED GRADE OVER EXISTING SMALL UTILITIES IS PROPOSED TO BE LOWERED, CONTRACTOR SHALL COORDINATE WITH UTILITY OWNER FOR THE LOWERING OF THE EXISTING UTILITY TO PROVIDE THE MINIMUM COVER REQUIRED AT NO ADDITIONAL COST TO THE OWNER.

NOTE:
PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL POTHOLE AND DETERMINE THE LOCATION AND ELEVATION OF EXISTING UNDERGROUND UTILITIES. CONTACT CIVIL ENGINEER IF EXISTING UTILITIES TO REMAIN WILL BE IMPACTED BY PROPOSED WORK.

N

30' 15' 0 30' 60'

SCALE 1" = 30'

STORM SEWER TABLE					
STRUCTURE ID	STRUCTURE DIMENSION (INCHES)	NEENAH CASTING TYPE	RIM ELEVATION	INVERT ELEVATION(S)	PIPE LENGTH, DIAMETER, SLOPE & NEXT UPSTREAM STRUCTURE
STRM #1	EX. CB MH	EX.	1321.91	NW = 1315.84	9 L.F. OF 10" PVC @ 1.25%, STRM #2
STRM #2	48" MH	R-1733	1317.90	SE = 1315.96 NE = 1315.96 SW = 1315.96	--------- 7 L.F. OF 10" PVC @ 1.30%, STRM #3 44 L.F. OF 10" PVC @ 1.57%, STRM #7
STRM #3	10-INCH X 6-INCH PVC WYE 10-INCH X 6-INCH REDUCER	NA		SW = 1316.05 NE = 1316.05 NW = 1316.22	--------- 26 L.F. OF 6" PVC @ 1.30%, STRM #5 16 L.F. OF 6" PVC @ 1.05%, STRM #4
STRM #4	DOWNSPOUT COLLECTOR	DURACAST IN-LINE ROUND GRATE	1322.20	SE = 1316.39	---------
STRM #5	DOWNSPOUT COLLECTOR	DURACAST IN-LINE ROUND GRATE	1322.33	SW = 1316.39 NW = 1316.39	--------- 13 L.F. OF 6" PVC @ 2.00%, STRM #6
STRM #6	DOWNSPOUT COLLECTOR	DURACAST IN-LINE ROUND GRATE	1322.51	SE = 1316.66	---------
STRM #7	48" CB MH	R-2390	1320.11	NE = 1316.66 SW = 1316.66 W = 1316.84	--------- 32 L.F. OF 10" PVC @ 1.28%, STRM #9 16 L.F. OF 6" PVC @ 0.67%, STRM #8
STRM #8	DOWNSPOUT COLLECTOR	DURACAST IN-LINE ROUND GRATE	1322.56	E = 1316.95	---------
STRM #9	10-INCH X 6-INCH PVC WYE	NA		NE = 1317.07 SW = 1317.07 W = 1317.24	--------- 22 L.F. OF 10" PVC @ 0.81%, STRM #11 12 L.F. OF 6" PVC @ 0.69%, STRM #10
STRM #10	DOWNSPOUT COLLECTOR	DURACAST IN-LINE ROUND GRATE	1320.40	E = 1317.32	---------
STRM #11	10-INCH X 6-INCH PVC WYE	NA		NE = 1317.25 SW = 1317.25 NW = 1317.43	--------- 21 L.F. OF 10" PVC @ 1.30%, STRM #13 10 L.F. OF 6" PVC @ 1.05%, STRM #12
STRM #12	DOWNSPOUT COLLECTOR	DURACAST IN-LINE ROUND GRATE	1322.56	SE = 1317.53	---------
STRM #13	48" MH	R-1733	1322.45	NE = 1317.52 SE = 1317.52 W = 1317.52	--------- 23 L.F. OF 6" PVC @ 1.05%, STRM #14 7 L.F. OF 6" PVC @ 1.27%, STRM #15
STRM #14	DOWNSPOUT COLLECTOR	DURACAST IN-LINE ROUND GRATE	1322.52	NW = 1317.77	---------
STRM #15	6-INCH PVC 22.5° BEND	NA		E = 1317.61 W = 1317.61	--------- 8 L.F. OF 6" PVC @ 1.27%, STRM #16
STRM #16	6-INCH PVC 45° BEND	NA		E = 1317.71 NW = 1317.71	--------- 2 L.F. OF 6" PVC @ 1.27%, STRM #17
STRM #17	STORM SEWER SERVICE CONNECTION	NA		SE = 1317.73	---------
STRM #18	72" MH	R-2390	1317.36	N = 1317.00 NE = 1315.03 W = 1314.78 NW = 1316.00	--------- --------- --------- 12 L.F. OF 10" PVC @ 1.03%, STRM #18A
STRM #18A	10-INCH PVC 22.5° BEND	NA		SE = 1316.12 NW = 1316.12	--------- 23 L.F. OF 10" PVC @ 1.03%, STRM #19
STRM #19	60" MH	R-1733	1319.31	SE = 1316.36 SW = 1317.62 NW = 1317.53 W = 1317.62	--------- 11 L.F. OF 6" PVC @ 1.05%, STRM #22 8 L.F. OF 6" PVC @ 1.05%, STRM #20 20 L.F. OF 6" PVC @ 1.05%, STRM #23
STRM #20	6-INCH X 6-INCH PVC WYE	NA		SE = 1317.61 W = 1317.61 NW = 1317.61	--------- 9 L.F. OF 6" PVC @ 1.05%, STRM #24 20 L.F. OF 6" PVC @ 2.16%, STRM #21

STORM SEWER TABLE					
STRUCTURE ID	STRUCTURE DIMENSION (INCHES)	NEENAH CASTING TYPE	RIM ELEVATION	INVERT ELEVATION(S)	PIPE LENGTH, DIAMETER, SLOPE & NEXT UPSTREAM STRUCTURE
STRM #21	DOWNSPOUT COLLECTOR	DURACAST IN-LINE ROUND GRATE	1322.56	SE = 1318.04	---------
STRM #22	DOWNSPOUT COLLECTOR	DURACAST IN-LINE ROUND GRATE	1322.23	NE = 1317.73	---------
STRM #23	DOWNSPOUT COLLECTOR	DURACAST IN-LINE ROUND GRATE	1322.53	E = 1317.83	---------
STRM #24	6-INCH PVC 45° BEND	NA		E = 1317.70 NW = 1317.70	--------- 3 L.F. OF 6" PVC @ 1.05%, STRM #25
STRM #25	STORM SEWER SERVICE CONNECTION & 6-INCH X 5-INCH PVC REDUCER	NA		SE = 1317.73	---------
STRM #26	10-INCH PVC FES	NA		NE = 1318.00	47 L.F. OF 10" PVC @ 0.85%, STRM #27
STRM #27	10-INCH X 6-INCH PVC WYE	NA		SW = 1318.40 SE = 1318.57	--------- 9 L.F. OF 6" PVC @ 1.05%, STRM #28
STRM #28	DOWNSPOUT COLLECTOR	DURACAST IN-LINE ROUND GRATE	1322.55	NW = 1318.67	---------
STRM #29	10-INCH X 6-INCH PVC WYE	NA		NE = 1318.52 SE = 1318.79	31 L.F. OF 10" PVC @ 0.85%, STRM #31 9 L.F. OF 6" PVC @ 0.00%, STRM #30
STRM #30	DOWNSPOUT COLLECTOR	DURACAST IN-LINE ROUND GRATE	1322.54	NW = 1318.79	---------
STRM #31	10-INCH X 6-INCH PVC WYE	NA		SW = 1318.78 SE = 1318.95	--------- 6 L.F. OF 6" PVC @ 1.05%, STRM #32
STRM #32	DOWNSPOUT COLLECTOR	DURACAST IN-LINE ROUND GRATE	1322.55	NW = 1319.01	---------
STRM #33	10-INCH X 6-INCH PVC WYE	NA		SE = 1319.18	12 L.F. OF 6" PVC @ 1.05%, STRM #34
STRM #34	DOWNSPOUT COLLECTOR	DURACAST IN-LINE ROUND GRATE	1322.56	NW = 1319.30	---------
STRM #35	10-INCH X 6-INCH PVC WYE	NA		NE = 1319.44 SE = 1319.61	31 L.F. OF 10" PVC @ 0.85% 12 L.F. OF 6" PVC @ 1.05%, STRM #36
STRM #36	DOWNSPOUT COLLECTOR	DURACAST IN-LINE ROUND GRATE	1322.54	NW = 1319.73	---------
STRM #37	10-INCH X 6-INCH PVC WYE & 10-INCH X 6-INCH REDUCER	NA		NE = 1319.70 SE = 1319.87	23 L.F. OF 6" PVC @ 0.39% 6 L.F. OF 6" PVC @ 1.05%, STRM #38
STRM #38	DOWNSPOUT COLLECTOR	DURACAST IN-LINE ROUND GRATE	1322.56	NW = 1319.94	---------
STRM #39	6-INCH PVC 45° BEND	NA		E = 1319.79	6 L.F. OF 6" PVC @ 0.50%, STRM #40
STRM #40	6-INCH PVC 45° BEND	NA		W = 1319.82 SE = 1319.82	--------- 8 L.F. OF 6" PVC @ 0.50%, STRM #41
STRM #41	DOWNSPOUT COLLECTOR	DURACAST IN-LINE ROUND GRATE	1322.51	NW = 1319.86	---------

Pelican Valley Senior Living Renovation

211 E Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
6120 Earle Brown Drive
Suite 700 Minneapolis, MN 55430 Phone: 763.843.0420
bkbm.com

© 2024 BKBM Engineers
Bakke Kopp Ballou & McFarlin, Inc.
All rights reserved. This document is an instrument of service and is the property of BKBM Engineers and may not be used or copied without prior written consent.

BKBM Project No. 24318.50

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.

Keith A. Matte
License Number: **46674** Date **01/28/2025**

Revisions		
Description	Date	Num

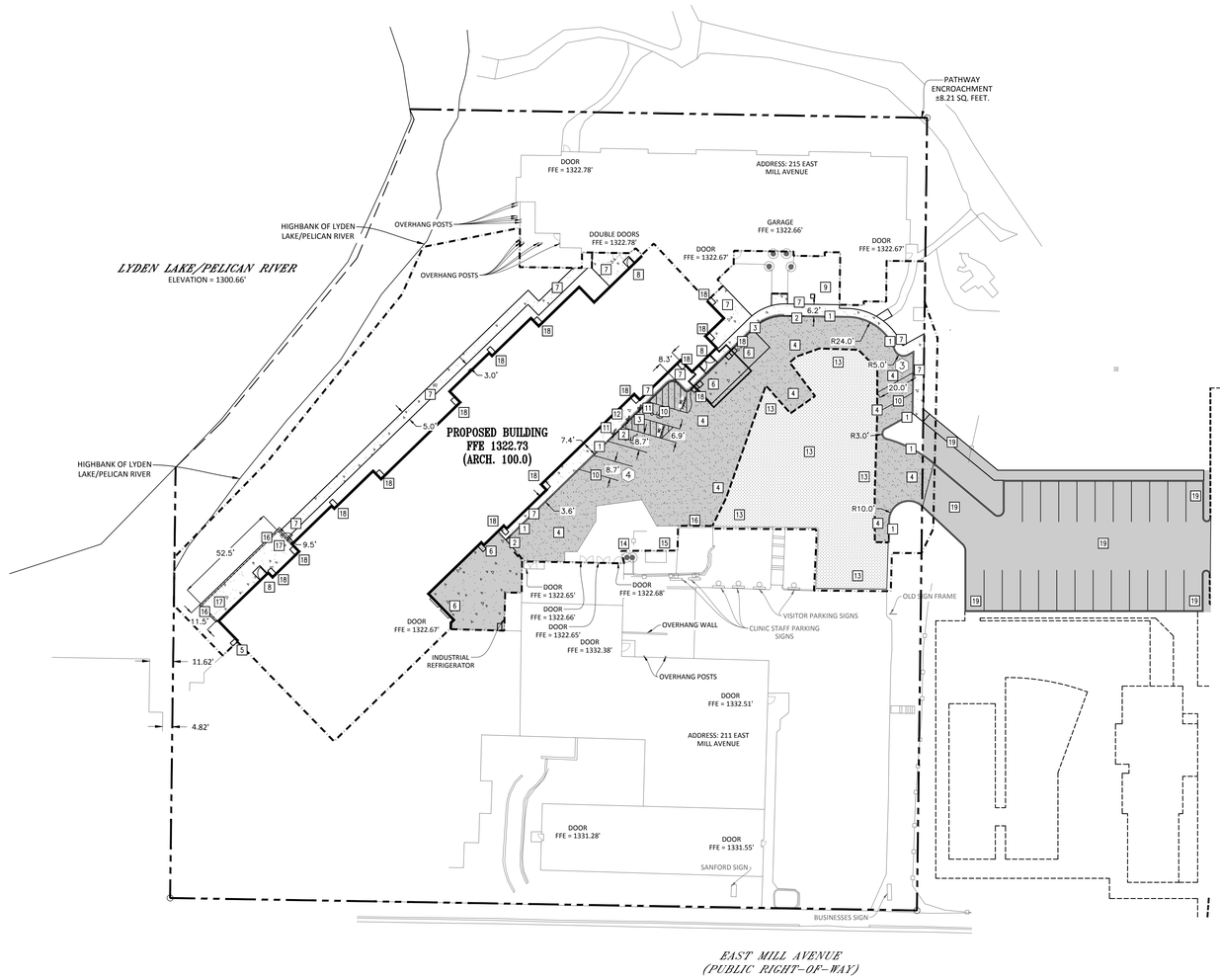
Comm: **246039**
Date: **01/28/2025**
Drawn: **WH**
Check: **KAM**

North

UTILITY PLAN

C3.000

3/4/25 Robert Valley III Long Rev_Civil_PDS3_stamped.rvt
11/1/2024 8:57:42 AM



1 C4.000 PAVING AND GEOMETRIC PLAN
1" = 30'

PROPOSED PLAN SYMBOLS

- CONSTRUCTION LIMITS
- PROPERTY LINE
- SAWCUT LINE (APPROX.)
- LIGHT DUTY BITUMINOUS PAVEMENT
- HEAVY DUTY BITUMINOUS PAVEMENT
- BITUMINOUS OVERLAY
- CONCRETE PAVEMENT/SIDEWALK
- CONCRETE PAVEMENT/SIDEWALK
- FLAT CURB AND GUTTER
- ACCESSIBLE PARKING SYMBOL
- SIGN
- PARKING STALL COUNT (3)
- BID ALTERNATE AREA

ABBREVIATIONS

BLDG	Building
BM	Benchmark
CONC	Concrete
ELEV	Elevation
EX	Existing
FFE	Finished Floor Elevation
LFE	Lower Floor Elevation
MAX	Maximum
MIN	Minimum
R	Radius
TYP.	Typical
MNMUTCD	Minnesota Manual on Uniform Traffic Control Devices

N

30' 15' 0 30' 60'
SCALE 1" = 30'

KEYED NOTES

KEYED NOTES ARE DENOTED BY [NO] ON PLAN.

1. INSTALL B612 CONCRETE CURB AND GUTTER. REFER TO DETAIL 1/C5.001.
2. INSTALL NOSE-DOWN CURB SECTION. REFER TO DETAIL 3/C5.001.
3. INSTALL FLAT CURB SECTION. REFER TO DETAIL 2/C5.001.
4. INSTALL HEAVY-DUTY BITUMINOUS PAVEMENT. REFER TO DETAIL 5/C5.001.
5. INSTALL CONCRETE SPLASH PAD. REFER TO DETAIL 7/C5.001. CONCRETE PAD SHALL BE INSTALLED IN LINE WITH PROPOSED DOWNSPOUT. CONTRACTOR SHALL COORDINATE THE EXACT LOCATION IN THE FIELD. PAD DIMENSIONS SHALL BE 3 FEET BY 4 FEET UNLESS DEPICTED OTHERWISE.
6. INSTALL CONCRETE PAVEMENT. REFER TO DETAIL 6/C5.001.
7. INSTALL CONCRETE WALK. REFER TO DETAIL 7/C5.001.
8. STOOP. REFER TO STRUCTURAL PLANS AND DETAILS.
9. FLAG POLE. REFER TO STRUCTURAL PLANS AND DETAILS.
10. PAINT PARKING LOT STRIPING AND NO PARKING AREA, 4" WIDE STRIPES, WHITE IN COLOR. STRIPING FOR CROSS HATCH SHALL BE AS SHOWN SPACED 3' APART.
11. INSTALL ACCESSIBLE PARKING SIGN. REFER TO DETAIL 8/C5.001
12. INSTALL NO PARKING ANY TIME SIGN. REFER TO DETAIL 8/C5.001.
13. INSTALL 2-INCH BITUMINOUS OVERLAY. REFER TO DETAIL 10/C5.001.
14. EXISTING DUMPSTER LOCATION.
15. EXISTING 6-INCH REINFORCED CONCRETE PAVEMENT. COORDINATE NEW MECHANICAL EQUIPMENT PADS REQUIREMENTS WITH MECHANCIL ENGINEER AND REQUIREMENT MANUFACTURER RECOMMENDATIONS.
16. INSTALL FENCE. REFER TO LANDSCAPE PLANS AND SPECIFICATIONS FOR FENCING.
17. INSTALL THICKENED EDGE AT PATIO FOR SURFACE MOUNTED FENCING. REFER TO DETAIL 9/C5.001 FOR CONCRETE SIDEWALK EDGE. REFER TO LANDSCAPE ARCHITECTURAL PLANS FOR FENCING DETAILS.
18. INSTALL DOWNSPOUT DRAIN CONCRETE PAD. REFER TO DETAIL 7/C5.000.
19. BID ALTERNATE: REFER TO 2/C4.001 FOR PAVING AND GEOMETRIC ALTERNATE.

PAVING NOTES:

1. CONTRACTOR SHALL FOLLOW ALL CITY OF PELICAN RAPIDS STANDARDS AND SPECIFICATIONS.
2. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS NOTED OTHERWISE.
3. ALL CURB AND GUTTER IS TO BE B612 CONCRETE CURB AND GUTTER UNLESS NOTED OTHERWISE.
4. NO SIDEWALK IS TO HAVE MORE THAN A 2% CROSS SLOPE OR MORE THAN A 5% LONGITUDINAL SLOPE.
5. REFER TO ARCHITECTURAL PLANS FOR PROPOSED BUILDING LAYOUT.
6. FOLLOW ALL CITY OF PELICAN RAPIDS RULES, REGULATIONS, AND SPECIFICATIONS WHEN WORKING IN PUBLIC RIGHT OF WAY.
7. STRIPE PARKING LOTS AS SHOWN. ALL PARKING STALLS ARE TO BE 8.5 FEET WIDE BY 20 FEET LONG, UNLESS NOTED OTHERWISE.
8. ACCESSIBLE AISLES SHALL BE STRIPED PER MN CODE (SECTION 502). WHERE "NO PARKING" SIGNAGE WOULD OBSTRUCT A CURB RAMP OR ACCESSIBLE ROUTE, "NO PARKING" SHALL BE PRINTED ON THE SURFACE OF THE ACCESS AISLE.
9. THE CONTRACTOR IS TO CONTACT THE CITY OF PELICAN RAPIDS FIRE MARSHALL FOR THE EXACT PLACEMENT OF FIRE LANES, YELLOW-PAINTED CURBING, AND NO PARKING AREAS FOR FIRE PROTECTION PURPOSES.
10. REFER TO STRUCTURAL PLANS FOR STOOP DETAILS. ALL WALKS ARE TO BE CENTERED ON THE DOORS.
11. INSTALL APPROPRIATE EXPANSION MATERIAL WHERE CONCRETE IS ADJACENT TO BUILDING FACE.
12. ALL EXPANSION AND ISOLATION JOINTS SHALL BE SEALED PER SPECIFICATIONS.
13. MATCH NEW PAVEMENT, CURB AND GUTTER, AND SIDEWALK INTO EXISTING. NO ABRUPT GRADE TRANSITIONS OR PONDING OF WATER WILL BE ALLOWED.
14. SAWCUT EXISTING PAVEMENT, SIDEWALK, AND CURB AND GUTTER TO NEAREST JOINT. COORDINATE REMOVAL LIMITS WITH SITE DEMOLITION CONTRACTOR AND CONSTRUCTION MANAGER.

Pelican Valley Senior Living Renovation

211 E Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
6120 Earle Brown Drive
Suite 700 Minneapolis,
MN 55430 Phone:
763.843.0420
bkbm.com

© 2024 BKBM Engineers
Bakke Kopp Ballou & McFarlin, Inc.
All rights reserved. This document is an instrument of service and is the property of BKBM Engineers and may not be used or copied without prior written consent.

BKBM Project No. 24318.50

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.

Keith A, Matte
License Number: 46674 Date 01/28/2025

Revisions		
Description	Date	Num

Comm: 246039
Date: 01/28/2025
Drawn: WH
Check: KAM

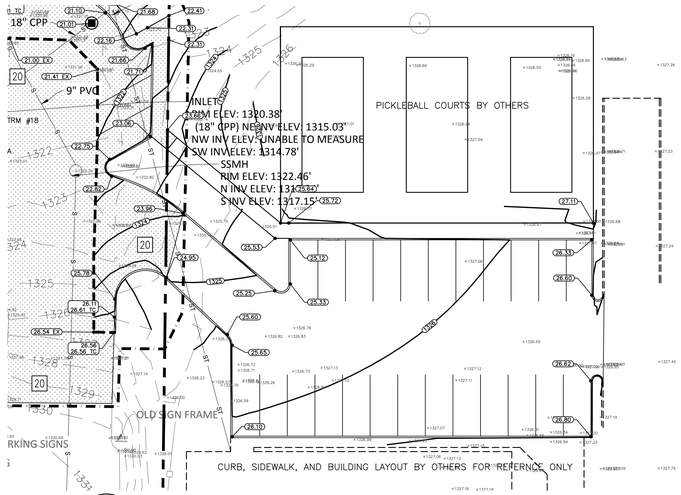
North

PAVING AND GEOMETRIC PLAN

C4.000

MN
S

MN



1 C4.001 BID ALTERNATE: GRADING, DRAINAGE, AND EROSION CONTROL PLAN 1" = 30'

PROPOSED PLAN SYMBOLS

- CONSTRUCTION LIMITS
- PROPERTY LINE
- SAWCUT LINE (APPROX.)
- LIGHT DUTY BITUMINOUS PAVEMENT
- HEAVY DUTY BITUMINOUS PAVEMENT
- INSTALLED UNDER BASE BID
- CONCRETE PAVEMENT/SIDEWALK
- PARKING STALL COUNT (13)

ABBREVIATIONS

BLDG	Building
BM	Benchmark
CONC	Concrete
ELEV	Elevation
EX	Existing
FFE	Finished Floor Elevation
LFE	Lower Floor Elevation
MAX	Maximum
MIN	Minimum
R	Radius
TYP.	Typical
MNMUTCD	Minnesota Manual on Uniform Traffic Control Devices

NOTE:
REFER TO C2.000 FOR EROSION CONTROL NOTES.
REFER TO C2.000 FOR GRADING NOTES.
REFER TO C4.000 FOR PAVING NOTES.

KEYED NOTES

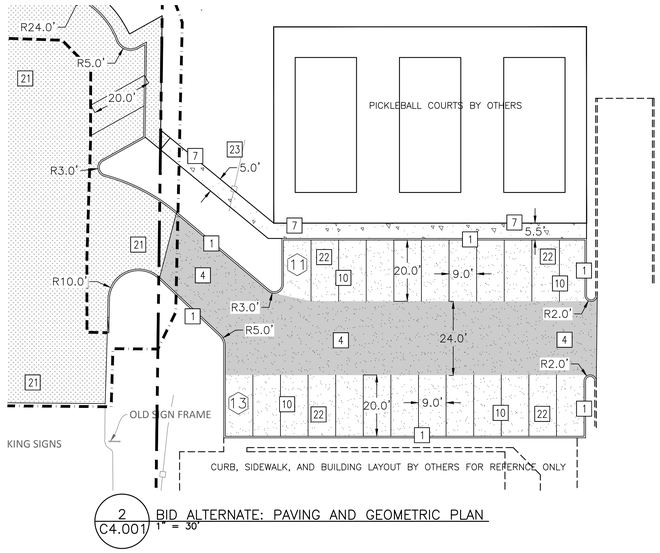
KEYED NOTES ARE DENOTED BY (NO) ON PLAN.

1. INSTALL B612 CONCRETE CURB AND GUTTER. REFER TO DETAIL 1/C5.001.
4. INSTALL HEAVY-DUTY BITUMINOUS PAVEMENT. REFER TO DETAIL 5/C5.001.
7. INSTALL CONCRETE WALK. REFER TO DETAIL 7/C5.001.
10. PAINT PARKING LOT STRIPING AND NO PARKING AREA, 4" WIDE STRIPES, WHITE IN COLOR. STRIPING FOR CROSS HATCH SHALL BE AS SHOWN SPACED 3' APART.
20. REFER TO 1/C2.000 FOR GRADING, DRAINAGE, AND EROSION CONTROL.
21. REFER TO 1/C4.000 FOR PAVING AND GEOMETRIC.
22. INSTALL LIGHT-DUTY BITUMINOUS PAVEMENT. REFER TO DETAIL 4/C5.001.
23. REMOVE FENCE IN ITS ENTIRETY, INCLUDING FOOTINGS.

N

30' 15' 0 30' 60'

SCALE 1" = 30'



2 C4.001 BID ALTERNATE: PAVING AND GEOMETRIC PLAN 1" = 30'

S

Pelican Valley Senior Living Renovation

211 E Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
6120 Earle Brown Drive
Suite 700 Minneapolis, MN 55430 Phone: 763.843.0420
bkbm.com

© 2024 BKBM Engineers
Bakke Kopp Ballou & McFarlin, Inc.
All rights reserved. This document is an instrument of service and is the property of BKBM Engineers and may not be used or copied without prior written consent.

BKBM Project No. 24318.50

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.

Keith Matte

Keith A. Matte
License Number: 46674 Date 01/28/2025

Revisions		
Description	Date	Num

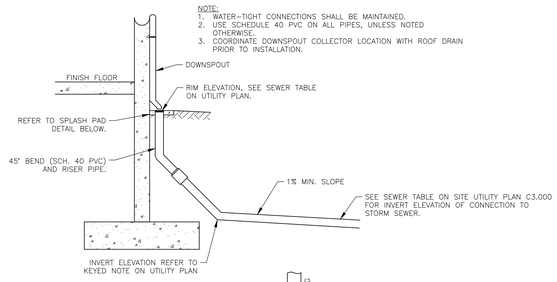
Comm: 246039
Date: 01/28/2025
Drawn: WH
Check: KAM

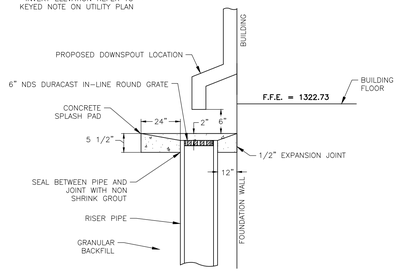
North

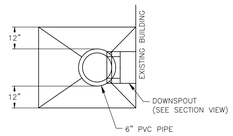
BID ALTERNATE: GRADING, DRAINAGE, AND EROSION CONTROL PLAN. PAVING AND GEOMETRIC PLAN

C4.001

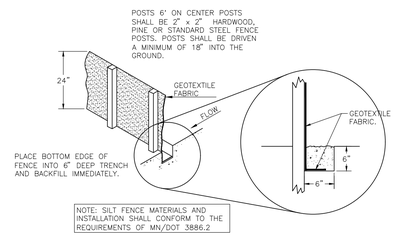
J:\24_Pelican Valley Sr Living\Revit_Files_R25\3_Sheets\C4.001_BIDALTERNATE.dwg
1/27/2026 8:57:42 AM



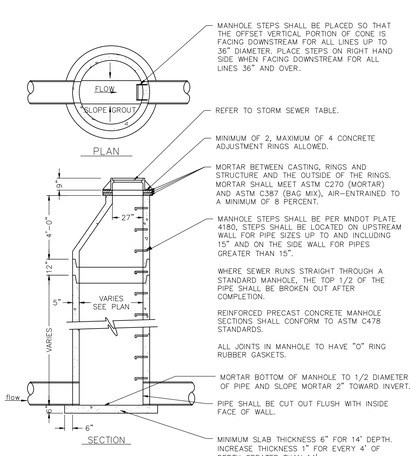




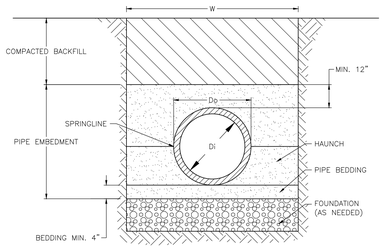
7 C5.000 DOWNSPOUT DRAIN WITH SPLASH PAD AND CASTING
NOT TO SCALE



4 C5.000 SILTATION FENCE
NOT TO SCALE

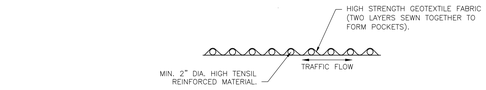


5 C5.000 STORM SEWER MANHOLE/CATCH BASIN
NOT TO SCALE

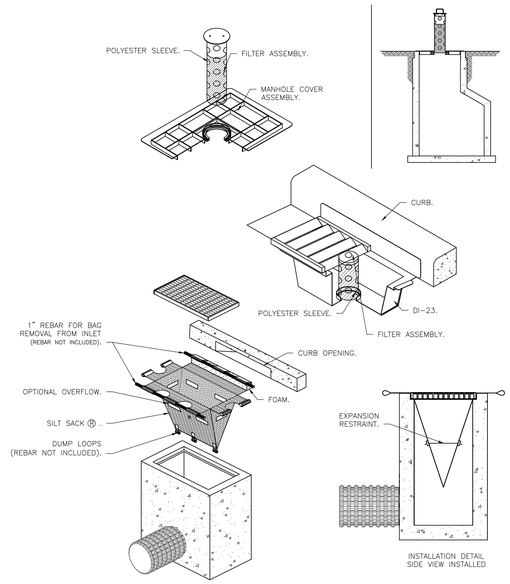


NOTES:
1. THE MINIMUM TRENCH WIDTH "W" SHALL BE W=Do+16" OR 1.25*Do+12 WHICHEVER IS GREATER.
2. PIPE EMBEDMENT MATERIAL SHALL BE CLASS I OR CLASS II MATERIAL. REFER TO SPECIFICATIONS FOR DETAILS.
3. REFER TO ASTM D2321-05 "UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS" FOR DETAILS.

6 C5.000 TYPICAL PIPE BEDDING FOR PVC
NOT TO SCALE

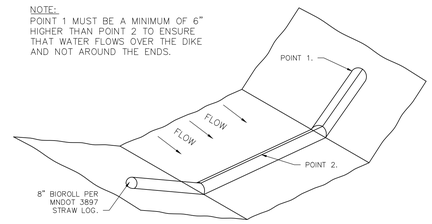


1 C5.000 STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



NOTES:
1. MAXIMUM DISTANCE BETWEEN POSTS IS 4'. AN EXTRA POST MAY BE ADDED ON EACH SIDE.
2. MAINTAIN UNTIL SURFACE HAS BEEN PAVED AND/OR VEGETATION HAS BEEN ESTABLISHED.
3. GEOTEXTILE FILTER FABRIC SHALL BE INSTALLED PER SILT FENCE DETAIL.

2 C5.000 INLETS SEDIMENTATION PROTECTION OPTIONS
NOT TO SCALE



3 C5.000 BIO ROLL
NOT TO SCALE

Pelican Valley Senior Living Renovation

211 E Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
6120 Earle Brown Drive
Suite 700 Minneapolis, MN 55430 Phone: 763.843.0420
bkbm.com

© 2024 BKBM Engineers
Bakke Kopp Ballou & McFarlin, Inc.
All rights reserved. This document is an instrument of service and is the property of BKBM Engineers and may not be used or copied without prior written consent.

BKBM Project No. 24318.50

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.

Keith A, Matte
License Number: 46674 Date 01/28/2025

Revisions		
Description	Date	Num

Comm: 246039
Date: 01/28/2025
Drawn: WH
Check: KAM

North

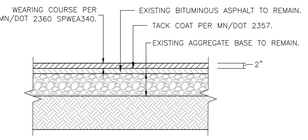
CIVIL DETAILS

C5.000

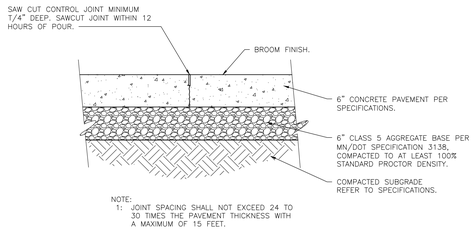
MN

S

246039_PelicanValley_P:\comp_files_Docs_2025_Submittals\C5
1/31/2025 8:57:42 AM

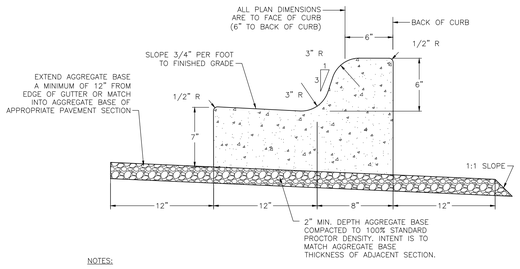


10 C5.001 MILL AND OVERLAY BITUMINOUS PAVEMENT
NOT TO SCALE



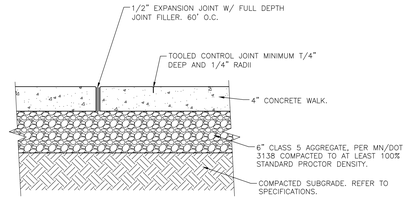
NOTE:
1: JOINT SPACING SHALL NOT EXCEED 24 TO 30 TIMES THE PAVEMENT THICKNESS WITH A MAXIMUM OF 15 FEET.

6 C5.001 CONCRETE PAVEMENT
NOT TO SCALE



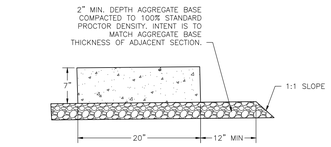
NOTES:
1. DIRECTION OF TRANSVERSE GUTTER SLOPE TO MATCH DIRECTION OF ADJACENT PAVEMENT SLOPE.
2. CONSTRUCT CURB AND GUTTER IN ACCORDANCE WITH MNDOT SPECIFICATION 2531.

1 C5.001 B612 CONCRETE CURB AND GUTTER
NOT TO SCALE



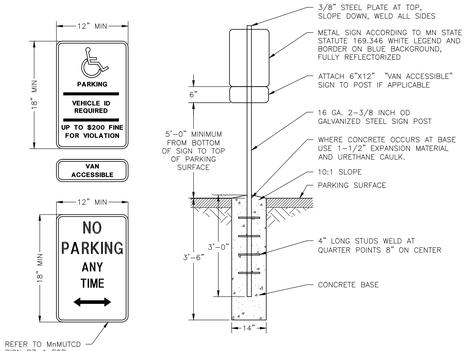
NOTE:
1: JOINT SPACING SHALL BE A MAXIMUM OF 6-FEET ON CENTER.

7 C5.001 CONCRETE SIDEWALK (TYP.)
NOT TO SCALE



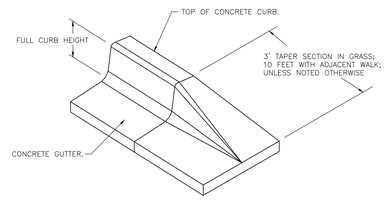
NOTE:
1. CURB SECTION IS TO SLOPE TOWARD PARKING LOT PER GRADING PLAN. TRANSITION INTO B612 CURBING USING NOSE-DOWN CURB SECTION.

2 C5.001 FLAT CURB/CONCRETE EDGER
NOT TO SCALE

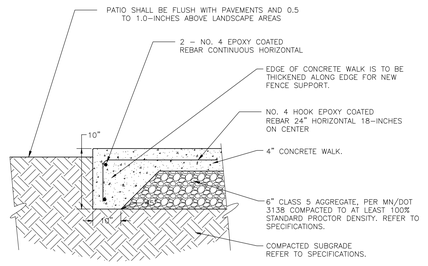


IMPERVIOUS SURFACE POST WITH SIGN

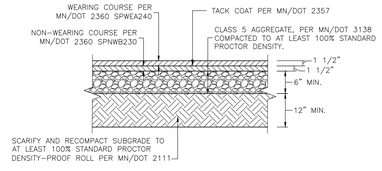
8 C5.001 SIGN AND POST
NOT TO SCALE



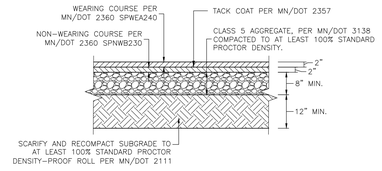
3 C5.001 NOSE-DOWN CURB SECTION
NOT TO SCALE



9 C5.001 CONCRETE PATIO THICKENED EDGE
NOT TO SCALE



4 C5.001 LIGHT-DUTY BITUMINOUS PAVEMENT
NOT TO SCALE



5 C5.001 HEAVY-DUTY BITUMINOUS PAVEMENT
NOT TO SCALE

Pelican Valley Senior Living Renovation

211 E Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
6120 Earle Brown Drive
Suite 700 Minneapolis, MN 55430 Phone: 763.843.0420
bkbm.com

© 2024 BKBM Engineers
Bakke Kopp Ballou & McFarlin, Inc.
All rights reserved. This document is an instrument of service and is the property of BKBM Engineers and may not be used or copied without prior written consent.

BKBM Project No. 24318.50

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.

Keith A. Matte

Keith A, Matte
License Number: **46674** Date **01/28/2025**

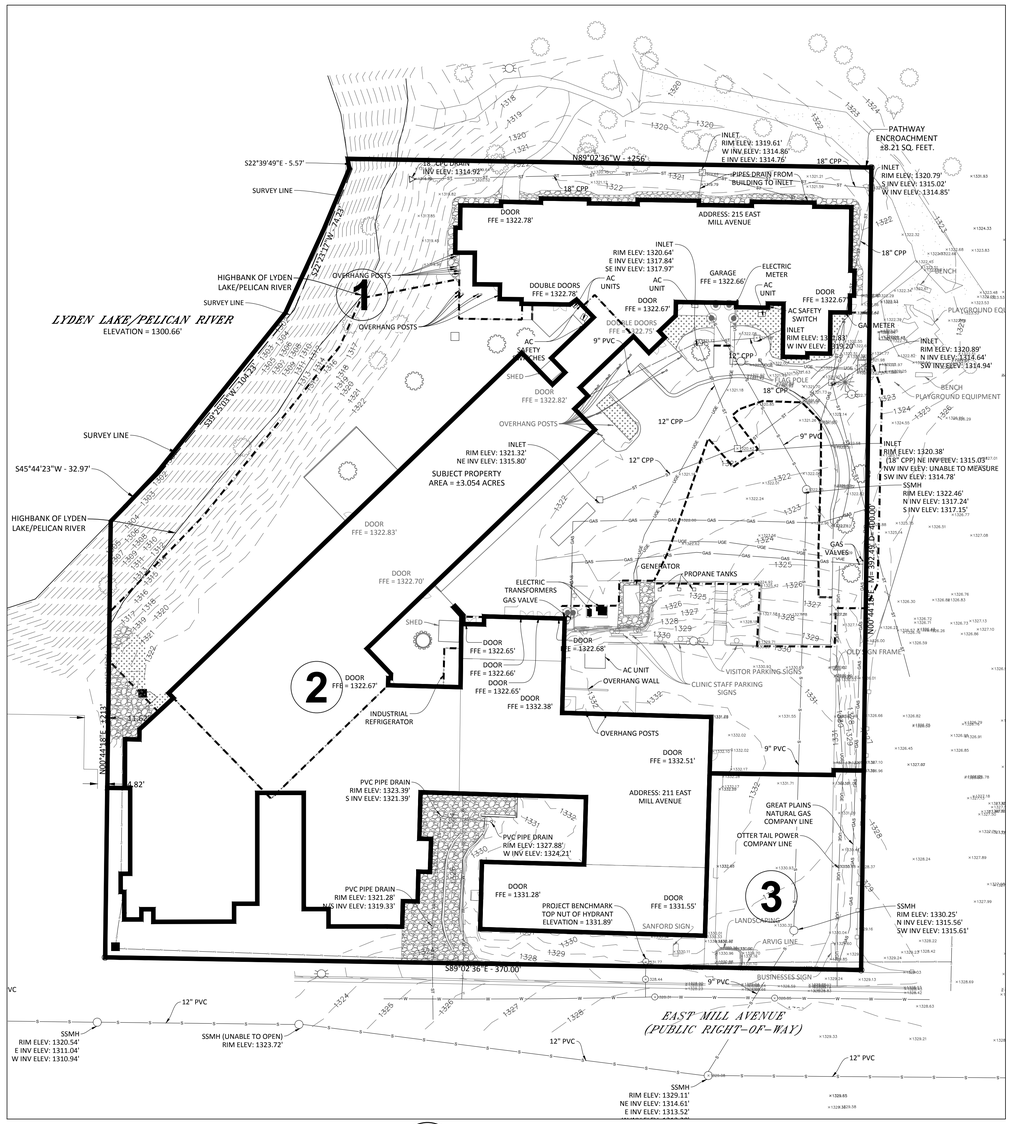
Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **WH**
Check: **KAM**

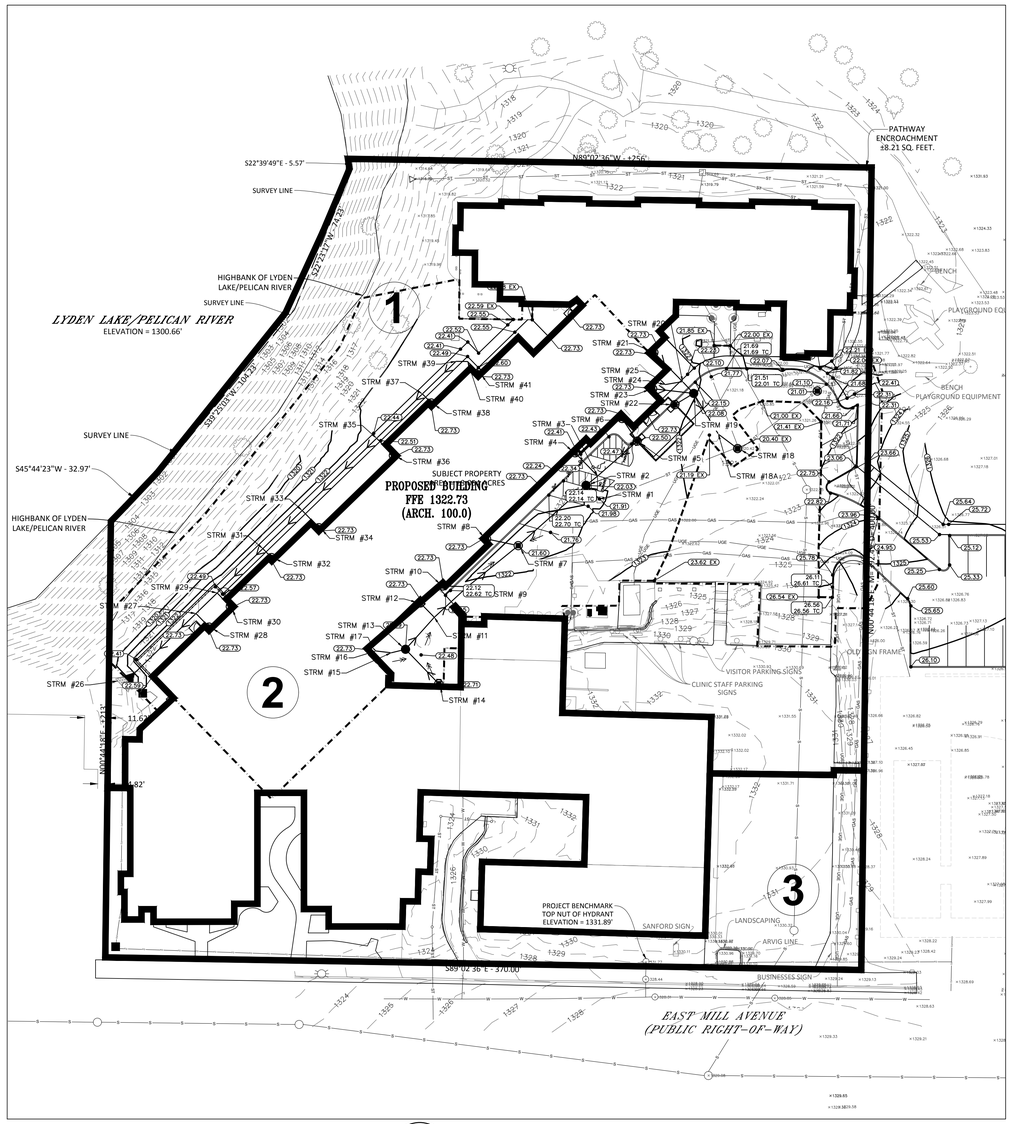
North

CIVIL DETAILS

C5.001



1 C6.000 EXISTING CONDITIONS 1" = 30'



2 C6.000 PROPOSED CONDITIONS 1" = 30'

EXISTING DRAINAGE AREAS

DRAINAGE AREA	IMPERVIOUS AREA (ACRES)	PERVIOUS AREA (ACRES)	TOTAL AREA (ACRES)	Q OUT (CFS) STORM EVENT			
				2-YEAR (2.52")	10-YEAR (3.75")	100-YEAR (6.22")	ROUTING
1	0.65	0.82	1.47	3.94	6.69	12.47	OFFSITE TO THE WEST
2	1.16	0.00	1.16	4.48	6.74	11.24	OFFSITE TO THE WEST
3	0.21	0.21	0.42	1.18	1.97	3.62	OFFSITE TO THE SOUTH
TOTAL	2.02	1.03	3.05	9.60	15.40	27.33	

PROPOSED DRAINAGE AREAS

DRAINAGE AREA	IMPERVIOUS AREA (ACRES)	PERVIOUS AREA (ACRES)	TOTAL AREA (ACRES)	Q OUT (CFS) STORM EVENT			
				2-YEAR (2.52")	10-YEAR (3.75")	100-YEAR (6.22")	ROUTING
1	0.68	0.69	1.37	3.84	6.42	11.79	OFFSITE TO THE WEST
2	1.26	0.00	1.26	4.86	7.30	12.18	OFFSITE TO THE WEST
3	0.21	0.21	0.42	1.18	1.97	3.62	OFFSITE TO THE SOUTH
TOTAL	2.15	0.90	3.05	9.88	15.69	27.59	

STORMWATER RUNOFF SUMMARY

	2-YR STORM (2.52") RUNOFF (CFS)	10-YR STORM (3.75") RUNOFF (CFS)	100-YR STORM (6.22") RUNOFF (CFS)
EXISTING SITE	9.60	15.40	27.33
PROPOSED SITE	9.88	15.69	27.59

VICINITY MAP
PELICAN RAPIDS, MN

Pelican Valley Senior Living Renovation

211 E Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
6120 Earle Brown Drive
Suite 700 Minneapolis, MN 55430 Phone: 763.843.0420
bkbm.com

© 2024 BKBM Engineers
Bakke Kopp Ballou & McFarlin, Inc.
All rights reserved. This document is an instrument of service and is the property of BKBM Engineers and may not be used or copied without prior written consent.

BKBM Project No. 24318.50

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.

Keith Matte

Keith A, Matte
License Number: **46674** Date: **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **WH**
Check: **KAM**

North

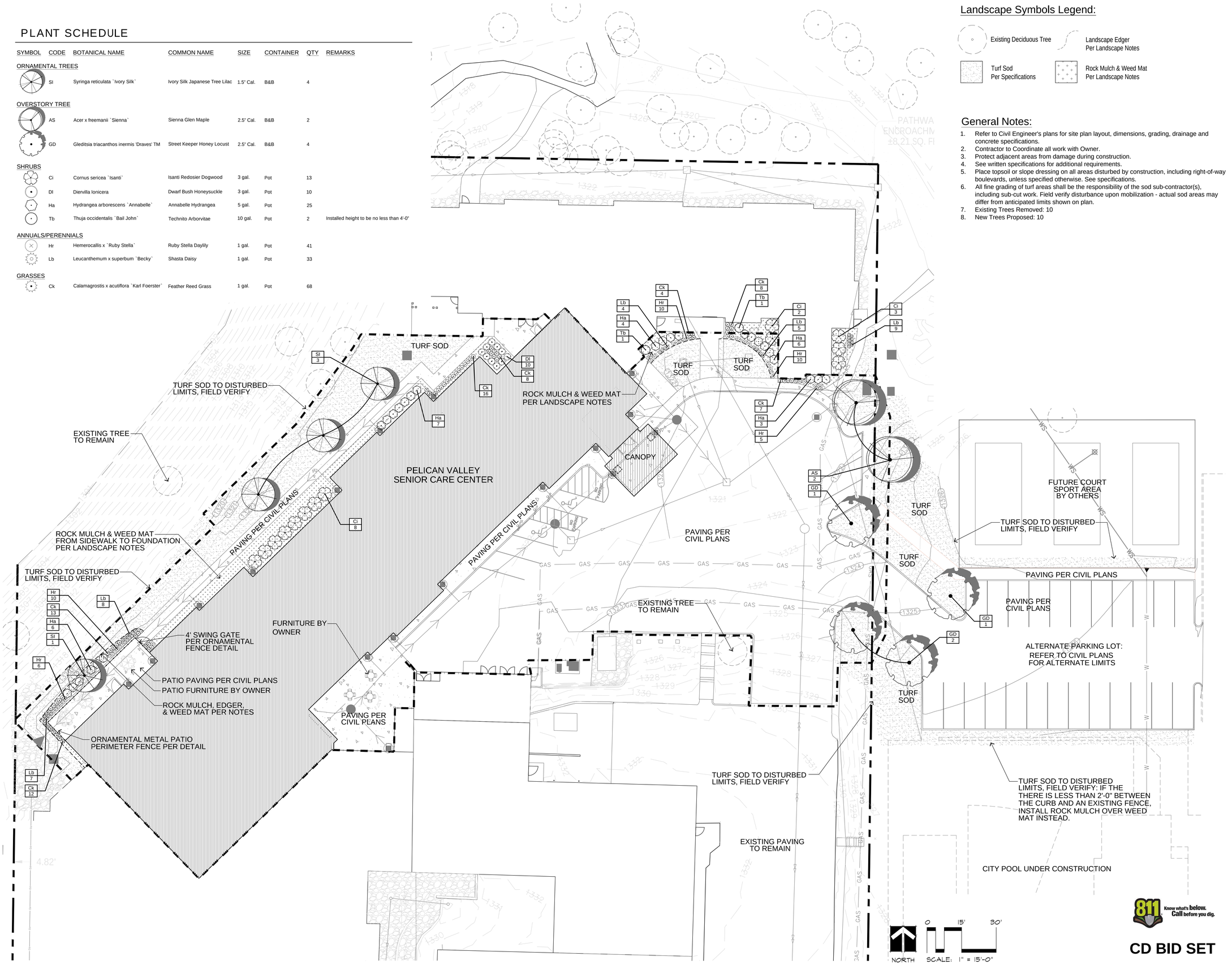
STORM WATER RUNOFF PLAN

C6.000

24XX_PelicanValley_P_Living\Docs_Drwgs_Drwgs_R25\01_Grading.dwg
1/31/2025 8:57:42 AM

PLANT SCHEDULE

SYMBOL	CODE	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	QTY	REMARKS
ORNAMENTAL TREES							
	SI	Syringa reticulata `Ivory Silk`	Ivory Silk Japanese Tree Lilac	1.5" Cal.	B&B	4	
OVERSTORY TREE							
	AS	Acer x freemanii `Sienna`	Sienna Glen Maple	2.5" Cal.	B&B	2	
	GD	Gleditsia triacanthos inermis 'Draves' TM	Street Keeper Honey Locust	2.5" Cal.	B&B	4	
SHRUBS							
	Ci	Cornus sericea `Isanti`	Isanti Redosier Dogwood	3 gal.	Pot	13	
	DI	Diervilla lonicera	Dwarf Bush Honeysuckle	3 gal.	Pot	10	
	Ha	Hydrangea arborescens `Annabelle`	Annabelle Hydrangea	5 gal.	Pot	25	
	Tb	Thuja occidentalis `Bail John`	Technito Arborvitae	10 gal.	Pot	2	Installed height to be no less than 4'-0"
ANNUALS/PERENNIALS							
	Hr	Hemerocallis x `Ruby Stella`	Ruby Stella Daylily	1 gal.	Pot	41	
	Lb	Leucanthemum x superbum `Becky`	Shasta Daisy	1 gal.	Pot	33	
GRASSES							
	Ck	Calamagrostis x acutiflora `Karl Foerster`	Feather Reed Grass	1 gal.	Pot	68	



LANDSCAPE PLAN:

Landscape Symbols Legend:

- Existing Deciduous Tree
- Landscape Edger Per Landscape Notes
- Turf Sod Per Specifications
- Rock Mulch & Weed Mat Per Landscape Notes

General Notes:

1. Refer to Civil Engineer's plans for site plan layout, dimensions, grading, drainage and concrete specifications.
2. Contractor to Coordinate all work with Owner.
3. Protect adjacent areas from damage during construction.
4. See written specifications for additional requirements.
5. Place topsoil or slope dressing on all areas disturbed by construction, including right-of-way boulevards, unless specified otherwise. See specifications.
6. All fine grading of turf areas shall be the responsibility of the sod sub-contractor(s), including sub-cut work. Field verify disturbance upon mobilization - actual sod areas may differ from anticipated limits shown on plan.
7. Existing Trees Removed: 10
8. New Trees Proposed: 10

811 Know what's below. Call before you dig.

CD BID SET

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldae.com | 651 227 7773

BKBM
Structural & Civil Engineers
6120 Earle Brown Dr., Suite 700
Minneapolis, MN 55340
Phone: (763) 843-0420
Fax: (763) 843-0421
www.bkbm.com

CALYX DESIGN GROUP
Landscape Architecture | Planning
475 Cleveland Ave. N, Suite 101A
St. Paul, MN 55104
Phone: (651) 788-9018
www.calyxdesigngroup.com

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 LANDSCAPE ARCHITECT* under the laws of the State of *MN*

Benjamin D. Hartberg
License Number: **48084** Date: **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **HL**
Check: **BH**

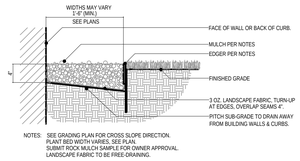
North

LANDSCAPE PLAN

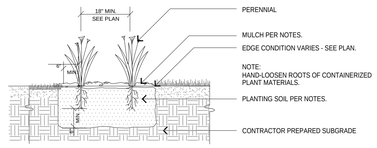
L1.001

General Notes:

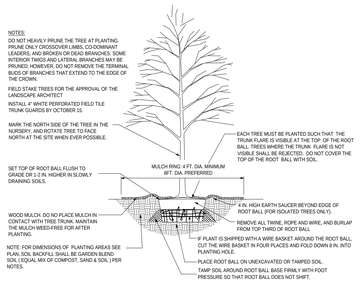
1. Refer to Civil Engineer's plans for site plan layout, dimensions, grading, drainage and concrete specifications.
2. Contractor to Coordinate all work with Owner.
3. Protect adjacent areas from damage during construction.
4. See written specifications for additional requirements.
5. Place topsoil or slope dressing on all areas disturbed by construction, including right-of-way boulevards, unless specified otherwise. See specifications.
6. All fine grading of turf areas shall be the responsibility of the sod sub-contractor(s), including sub-cut work. Field verify disturbance upon mobilization - actual sod areas may differ from anticipated limits shown on plan.
7. Existing Trees Removed: 10
8. New Trees Proposed: 10



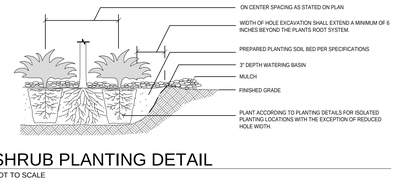
1 MULCH & EDGER DETAIL
NOT TO SCALE



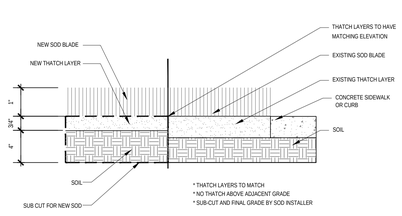
4 PERENNIAL PLANTING DETAIL
NOT TO SCALE



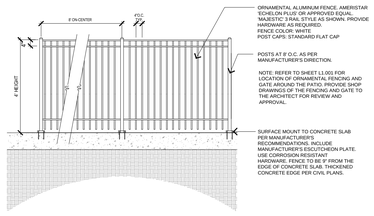
2 DECIDUOUS TREE PLANTING DETAIL
NOT TO SCALE



5 SHRUB PLANTING DETAIL
NOT TO SCALE



3 NEW SOD TO EXISTING SOD
NOT TO SCALE



6 4'-0" ORNAMENTAL METAL PATIO FENCE DETAIL
NOT TO SCALE

LANDSCAPE DETAILS:

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldae.com | 651 227 7773

BKBM
Structural & Civil Engineers
6120 Earle Brown Dr., Suite 700
Minneapolis, MN 55340
Phone: (763) 843-0420
Fax: (763) 843-0421
www.bkbm.com

CALYX DESIGN GROUP
Landscape Architecture | Planning
475 Cleveland Ave. N, Suite 101A
St. Paul, MN 55104
Phone: (651) 788-9018
www.calyxdesigngroup.com

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 LANDSCAPE ARCHITECT
under the laws of the State of MN

Benjamin D. Hartberg
License Number: **48084** Date: **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **HL**
Check: **BH**

North

LANDSCAPE DETAILS

CD BID SET

L1.002

Landscape Notes and Requirements:

1. Tree saucer for individual trees outside of a plant bed to be four inches (4") depth Western Red Cedar wood mulch. Install per tree planting detail. Do not place mulch against tree trunk. Remove wire and burlap from top third of root ball before final soil back-fill and mulch. Dyed or Colorized mulch is strictly prohibited.
2. Refer to civil plan sheets for grading, drainage, site dimensions, survey, tree removal, proposed utilities & erosion control.
3. All plant material shall comply with the latest edition of the American Standard for Nursery Stock, American Association of Nurserymen. Unless noted otherwise, deciduous shrubs shall have at least 5 canes at the specified shrub height. Plant material shall be delivered as specified.
4. Plan takes precedence over plant schedule if discrepancies in quantities exist.
5. All proposed plants shall be located and staked as shown. Install 6" diameter perforated white PVC trunk guards on all new deciduous trees by November 1st.
6. Adjustment in location of proposed plant material may be needed in field. Should an adjustment be required, the client will provide field approval. Significant changes may require city review and approval.
7. The project landscape contractor shall be held responsible for watering and properly handling all plant materials brought on the site both before and after installation. Schedule plant deliveries to coincide with expected installation time within 36 hours.
8. All plant materials shall be fertilized upon installation as specified.
9. The landscape contractor shall provide the owner with a watering schedule appropriate to the project site conditions and to plant material growth requirements.
10. If the landscape contractor is concerned or perceives any deficiencies in the plant selections, soil conditions, drainage or any other site condition that might negatively affect plant establishment, survival or guarantee, they must bring these deficiencies to the attention of the landscape architect & client prior to bid submission. Plant bed drainage concerns during plant installation shall be brought to the attention of the Owner and General Contractor immediately.
11. Contractor shall establish to his/ her satisfaction that soil and compaction conditions are adequate to allow for proper drainage at and around the building site.
12. Contractor is responsible for ongoing maintenance of all newly installed material, per specifications. Any acts of vandalism or damage which may occur prior to owner acceptance shall be the responsibility of the contractor. Contractor shall provide the owner with a maintenance program including, but not limited to, pruning, fertilization and disease/pest control.
13. Warranty: The contractor shall guarantee newly planted material through ONE calendar year from the date of written owner acceptance. Plants that exhibit more than 50% die-back damage shall be replaced at no additional cost to the owner. The contractor shall also provide PVC trunk guards on deciduous trees. Prune dead wood at 11 month warranty review period - use wound paint on trees.
14. This layout plan constitutes our understanding of the landscape requirements listed in the ordinance. Changes and modifications may be requested by the city based on applicant information, public input, council decisions, etc.
15. The landscape contractor shall be responsible for obtaining any permits and coordinating inspections as required throughout the work process.
16. Plant size & species substitutions must be approved in writing prior to acceptance in the field.
17. Irrigation: There is no irrigation system on site. The contractor shall provide temp irrigation in all newly landscaped areas for 30 days following the installation of plant material.
18. Mulches & Edging: Where noted per plan, rock mulch areas to receive a 4" depth of 1" diameter river rock mulch (to match existing, field verify) over spun-bonded weed mat. Use Coyote landscape products galvanized, perforated landscape edging, 16ga. See specifications.
19. Landscape Contractor is responsible for coordination with the General Contractor, to protect the new improvements on and off-site during landscape work activities. Report any damage to the General Contractor immediately.
20. All planting, seeding, and sodded areas shall be prepared prior to installation activities with a harley power box rake or equal to provide a firm planting bed free of stones, sticks, construction debris, etc.
21. Turf Sodding and Seeding activity shall conform to all rules and regulations as established in the MnDOT Seeding Manual, 2014 edition, for turf bed preparation, installation, maintenance, acceptability, and warranty. An acceptable stand of seeded turf is lush, full, and weed-free. See specifications for maintenance requirements.
22. The Landscape Contractor shall furnish samples of all landscape materials for approval prior to installation.
23. The Landscape Contractor shall clear and grub the underbrush from within the work limits to remove dead branches, leaves, trash, weeds and foreign materials.
24. The landscape contractor shall contact Gopher State One Call no less than 48 hours before digging for field utility locations.
25. The landscape contractor shall be responsible for the removal of erosion control measures once vegetation has been established to the satisfaction of the municipal staff. This includes silt curtain fencing and sediment logs placed in the landscape.
26. The landscape contractor shall be responsible for visiting the site to become familiar with the conditions prior to bidding and installation. Coordinate with the general contractors on matters such as fine grading, landscaped area conditions, staging areas, irrigation connection to building, etc.
27. See Site and Civil plans for additional information regarding the project, including infiltration area soils and sub-surface drainage requirements and performance.
28. Topsoil Requirements: See Specifications
29. Landscape contractor must prove the open sub-grade of all planting areas after their excavation is capable of infiltrating a minimum requirement of 1/4-inch of water per hour prior to installation of plant materials, topsoil, irrigation, weed mat, and mulch. Planting areas not capable of meeting this requirement shall have 4" diameter X 48" depth holes augured every 36" on-center and filled with MnDOT Free-Draining Coarse Filter Aggregate. Re-test sub-grade percolation for compliance to infiltration minimum requirement.
30. Landscape contractor to provide nursery pull list (bill of lading) including plant species and sizes shipped to the site. Additionally, the landscape contractor shall provide nursery stock traceability, proving none of the materials provided contain or are genetic strains of the neonicotinoid family including acetamiprid, clothianidin, imidacloprid, nitenpyram, nithiazine, thiacloprid and thiamethoxam.

General Notes:

01. Refer to Sheets L1.001 for Landscape Plan.
02. Refer to Civil Engineer's plans for site plan layout, dimensions, grading, drainage and concrete specifications.
03. Contractor to Coordinate all work with Owner.
04. Protect adjacent areas from damage during construction.
05. See written specifications for additional requirements.
06. Place topsoil or slope dressing on all areas disturbed by construction, including right-of-way boulevards, unless specified otherwise. See specifications.
07. All fine grading of turf areas shall be the responsibility of the sod sub-contractor(s), including sub-cut work. Field verify disturbance upon mobilization - actual sod areas may differ from anticipated limits shown on plan.

LANDSCAPE DETAILS:

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldae.com | 651 227 7773

BKBM
Structural & Civil Engineers
6120 Earle Brown Dr., Suite 700
Minneapolis, MN 55340
Phone: (763) 843-0420
Fax: (763) 843-0421
www.bkbm.com

CALYX DESIGN GROUP
Landscape Architecture | Planning
475 Cleveland Ave. N, Suite 101A
St. Paul, MN 55104
Phone: (651) 788-9018
www.calyxdesigngroup.com

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 LANDSCAPE ARCHITECT
under the laws of the State of ***MN***

Benjamin D. Hartberg
License Number: **48084** Date: **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **HL**
Check: **BH**

North

LANDSCAPE DETAILS

CD BID SET

L1.003

MN

S

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 OF SLAB ELEVATION CHANGE (STEPPED OR SLOPED)
- TOP OR BOTTOM OF SLAB ELEVATION CHANGE (STEPPED)
- TOP RETURN WELD AND LENGTH
- RETURN WELD SYMBOL
- BOTTOM RETURN WELD AND LENGTH

- 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 CL1 — 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
- A — GRID BUBBLE
- X / XXX — SECTION NUMBER
- DRAWING NUMBER WHERE SECTION IS FOUND
- X / XXX — DETAIL NUMBER
- DRAWING NUMBER WHERE DETAIL IS FOUND
- X / XXX — ELEVATION NUMBER
- DRAWING NUMBER WHERE ELEVATION IS FOUND

- 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
- S — FOOTING STEP
- WS — TOP OF WALL STEP
- ℄ — CENTERLINE
- PIPE

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
B/	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
CANT	Cantilever
CFS	Cold-Formed Steel
CGS	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
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
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/	With
W/O	Without
WD	Wood
WND	Window
WP	Workpoint
W	West or Wide Flange
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.

DEFERRED STRUCTURAL SUBMITTALS
Deferred submittals are those portions of the design which are not submitted at the time of permit application but are to be submitted to the building official prior to installation. Deferred submittals are governed by Minnesota State Building Code section 1300.0130. The following items are to be issued as deferred submittals:
Cold formed steel trusses and connections
Aluminum canopy
For all deferred structural submittals, include design and calculations prepared and certified by a Professional Engineer licensed in the state in which the project is located as part of the submittal documents. See specification for additional shop drawing requirements. Provide deferred submittals a minimum of 30 days prior to installation, and after contractor's review, to the architect and structural engineer for review for general conformance to the contract documents. After architect and structural engineer's review, submit to building official for review and approval. Do not install deferred submittal items until submittal documents have been reviewed and approved by the building official.
Refer to architectural, civil, mechanical, and electrical drawings for additional deferred submittal components.

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.
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*
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

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 and topping
5,000 psi for non-shrink grout (ASTM C1107)
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
55,000 psi (F1554, Grade 55) for anchor rods
65,000 psi F_u (A108) for headed studs
70,000 psi (E70XX) for welding electrodes
Wood (Base Design Values subject to modification per NDS)
Spruce-Pine-Fir (SPF) No. 2 for 2x Studs, Plates, and Blocking
Bending: 875 psi
Compression (parallel to grain): 1,150 psi
Compression (perpendicular to grain): 425 psi
Shear: 135 psi
Elastic Modulus: 1,400,000 psi
Southern Pine (SP) No. 2 & Better for Treated 2x Dimension Lumber
Bending: 1,100 psi (2x4); 1,000 psi (2x6); 925 psi (2x8); 800 psi (2x10); 750 psi (2x12)
Compression (parallel to grain): 1,450 psi (2x4); 1,400 psi (2x6); 1,350 psi (2x8); 1,300 psi (2x10); 1,250 psi (2x12)
Compression (perpendicular to grain): 565 psi
Shear: 175 psi
Elastic Modulus: 1,400,000 psi
Hem Fir (HF) No. 2 or SPF No. 2 for 2x Headers, Joists, and Beams
Bending: 850 psi
Compression (parallel to grain): 1,300 psi
Compression (perpendicular to grain): 405 psi
Shear: 135 psi
Elastic Modulus: 1,300,000 psi

DESIGN LOADS
Roof Loads:
Roof Dead Load: 20 psf superimposed.
Roof Snow Load Parameters
Ground Snow Load: 60 psf
Exposure Factor (C_e): 1.0
Occupancy Importance Factor: 1.1
Thermal Factor (C_t): 1.0 (flat), 1.1 (pitched), 1.2 (canopy)
Flat-Roof Snow Load (P_f): 46.2 psf, 50.8 psf (pitched), 55.4psf (canopy)
Snow Drift Loads: In accordance with ASCE 7 Chapter 7.
Wind Loads:
ASCE 7 Directional Procedure Parameters:
Risk Category: III
Exposure: B
Basic design wind speed: 118 MPH (3 second gust)
Allowable stress design wind speed: 91.4 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):
Flat Roof Uplift:
Interior Zones: 24.7 psf
Edge Zones: 32.8 psf (within 8'-5" of edge, beyond corner zone)
Corner Zones: 38.1 psf (within 8'-5" of corner and 2'10 of edge)
Overhangs: 58.9 psf
Walls:
Interior Zones: 18.7 psf
Corner Zones: 21.7 psf (within 5'-7" 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 light frame structure that requires interaction with slabs, sheathing, and wood shear walls to provide the required lateral stability. Provide required temporary bracing until permanent bracing, roofs, 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
The foundation design is based on the recommendations contained in Geotechnical Report number 23978.24.MNS prepared by Chosen Valley Testing Inc. and dated August 26, 2024. Allowable foundation pressures are to be verified in field by a licensed professional geotechnical engineer. Foundation design requires the use of imported sands or gravels backfill outlined in the geotechnical report. Foundation design parameters are as follows:
Net soil bearing capacity
Strip footings: 2,500 psf
Spread footings: 2,500 psf

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.

UNDERPINNING
Underpin existing footings in 4'-0" maximum widths. Crib and brace excavations to limit unsupported footing lengths 4'-0" maximum).
Provide cribbing and cribbing bracing designed and certified by an Engineer licensed in the state in which the project is located. Submit drawings to Structural Engineer for record only.
Contractor may submit alternative underpinning methods for review and approval to the Structural Engineer. Reimburse Engineer for all costs associated with the review.

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.

CONCRETE SLABS ON GRADE
See details 4/SS.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.

POURED CONCRETE WALLS
See detail 6/SS.201 for horizontal reinforcing at intersecting walls.
All openings 12" or larger, in walls 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
Wall reinforcing is continuous through piers, unless detailed otherwise.
See detail 5/SS.201 for typical vertical control/construction joints.

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.
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.
Fasten wood posts, jambs, and wall studs made of 2 or more 2x's with 0.131"Ø x3" nails at 8"oc, each ply. Nail wall sheathing to minimum of one ply of wood stud pack.
Toe nail studs to double top plate with 3-0.131"Ø x3" nails at structural walls directly supporting roof.
Nail in accordance with IBC Table 2304.10.1 unless noted otherwise on details.
Structural wood walls require sheathing on one face, minimum. Fasten gypsum wall sheathing with minimum No. 6 Type S or W drywall screws (0.138"Ø x 1¼") at 7"oc at panel edges and intermediate studs. See architectural wall types for additional sheathing and/or fastening requirements.
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.

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. Provide galvanized steel fasteners for use with galvanized structural steel.
Do not field cut or alter structural members without approval of the Structural Engineer.

LATERAL LOAD RESISTING SYSTEM FOR STRUCTURAL STEEL BUILDINGS
The following elements comprise the primary lateral load resisting system:
Roof Diaphragm: Plywood sheathing.
Collector elements/drag struts: See plan.
Lateral load resisting system: Strapped cold formed shear walls

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 single plate connections according to the standard Connection Tables on sheet S6.201.

STEEL JOISTS AND BRIDGING
Design steel joists in accordance with AISC and SJI Standard Specifications.
Fabricate in accordance with AISC Specification.
Bridging shall conform to SJI Specifications.
Weld "K" series joists to beams and bearing plates with two ¼" fillet welds 2½" long.
Positively anchor all bridging to walls and beams parallel to joists.
Provide horizontal bridging in last joist space.
Typical joist top and bottom chords to be designed for a 100-lb bend-check load anywhere along span.

STEEL JOISTS AND BRIDGING INSTALLED UNDER EXISTING DECK
Design steel joists in accordance with AISC and SJI Standard Specifications.
Fabricate in accordance with AISC Specification.
Field verify bearing conditions prior to fabrication to provide joist up to ½" shallower than adjacent existing joists to facilitate joist installation. Provide solid steel shims as required to bring joist into contact with existing deck, weld joist to shims, and weld shims to bearing surface as required in STEEL JOISTS AND BRIDGING section.
Contractor may use continuous or spliced joists to accommodate installation constraints. Splice designed and detailed by joist supplier. Joist supplier to coordinate requirements with installer.
Do not camber joists to be installed under existing deck. Provide welded steel shims as necessary to ensure full-length bearing between joist top chord and existing deck.
Predrill (in field) holes in joist top chord at 24" OC maximum and provide #10 TEK screws through predrilled holes into existing roof deck. Joist supplier to design joist top chord for deck attachment holes. Joist supplier may design joist top chord to require less deck attachment but must coordinate with installer.
Provide bridging to match existing bridging or coordinate with joist supplier for installation/anchorage of additional joist bridging. Bridging shall conform to SJI Specifications.

STEEL ROOF DECK
Weld steel roof deck to supports with 5/8" diameter puddle welds at 12"OC. Screw side laps at 12" max. oc. with #10 TEK screws. Weld side margins to supports with 3/8"x1½" seam welds at 12" max. oc. Provide steel frame at openings wider than 6", including, but not limited to, roof drains, mechanical duct work, and piping, see 1/SS.212. Weld deck to angle frames at 12" oc.

COLD-FORMED STEEL FRAMING
The drawings are intended to express the minimum design performance. Alternate design of equivalent capacity will be considered if compatible with architectural requirements and if calculations and detailed shop drawings are submitted for review.
The designations for cold-formed steel follow the recommendations of the Steel Framing Alliance and are as follows:
xxDyyy-zzz (e.g. 600S162-33)
xxx = Member depth in 1/100 inches (e.g. 600 = 6")
D = Member type designator as follows:
S = Stud or joist section with flange stiffeners (Cee shapes)
T = Track section
U = Cold rolled channel or channel studs without flange stiffeners
F = Furring channels
yyy = flange width in 1/100 inches (e.g. 162 = 1 5/8")
zzz = minimum base metal thickness in mils (e.g. 33 = 0.033")
Provide members based on material thickness. The following table of approximate equivalent gages is provided for reference only.

MINIMUM THICKNESS (IN)	APPROXIMATE STEEL GAGE
0.033	20
0.043	18
0.054	16
0.068	14
0.097	12
0.118	10

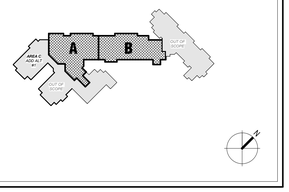
Bear wood joists the full width of supporting members (stud walls, beams, etc.) unless otherwise noted.
Material strengths are as follows:
For studs 0.054" and thicker: F_y = 50,000 psi.
For studs thinner than 0.054": F_y = 33,000 psi.
For track and furring channels: F_y = 33,000 psi, 50,000psi where noted.
Weld or screw multiple members together at 12" oc max. Provide 2 rows of #10 screws at webs for double stud members. Provide one #10 screw at each flange for track to stud connections.
Steel studs to be welded shall have a minimum thickness of 0.043".
Self-drilling or self-tapping screws shall be ½" type S-12. At least 3 threads on point side of screw must extend through the material.
Fit all studs snug to bottom of track.
Attach all steel sections at window heads and sills to jamb studs with a minimum of one screw or weld each side of each member.
Align runner track accurately and secure to the structure at 24" max. oc and at all jambs.
Space studs at 16"oc maximum.
Laterally brace studs, posts, joists, beams and columns at 4'-0" maximum on center.
Do not splice members unless splices are shown on the drawings.

PREFABRICATED COLD-FORMED STEEL TRUSSES
Design roof trusses for the following loads:
Top chord dead load of 8 psf
Top chord live load of 20 psf
Top chord snow load of 46.2 psf (flat), 50.8 psf (pitched) plus drift and unbalanced snow load
Truss supplier to calculate unbalanced snow load
Bottom chord dead load of 8 psf.
Truss supplier to calculate C&C wind loading pressures for truss designs and submit for EOR review as part of the shop drawing and calculation package.
Limit total load deflection of roof framing to L/240.
Limit live load deflection of roof framing to L/360.
Bracing for trusses to be designed by truss supplier.
Typical ceiling is applied to truss or joist bottom chords with ½" resilient channel at 16"oc or greater spacing. Truss supplier to verify usage of resilient channels and actual provided channel spacing with architectural roof types. If provided ceiling assembly is not sufficient to brace truss bottom chords, truss supplier shall coordinate alternate truss bracing requirements with the framing and other contractors.
Provide roof truss bridging as required by manufacturer. Provide necessary temporary bracing to maintain truss stability during erection.
All truss-to-truss connections to be designed and detailed by the truss supplier.
Provide design of trusses, and connections prepared by an Engineer licensed in the state in which the project is located. Indicate design loadings on shop drawings.
Submit complete shop drawings to Architect/Engineer for review, showing the erection plan, bearing conditions, and anchorage details.

SHEET INDEX

S0.000	STRUCTURAL TITLE SHEET
S2.01ab	FOUNDATION/FIRST FLOOR PLAN - AREAS A AND B
S2.02ab	ROOF FRAMING PLAN - AREAS A AND B
S5.201	SECTIONS AND DETAILS
S5.211	SECTIONS AND DETAILS
S5.212	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. Structural cold-formed steel framing welding	YES	
12. Wind Resistance for structural wood and cold-formed steel shear walls and diaphragms	NO	Wind Exposure Category B, Vult < 155 mph or Wind Exposure Category C or D, Vult < 142 mph
13. Seismic Resistance	NO	Reference MSBC 1305.0011 Subp. 4

Pelican Valley Senior Living Renovation
211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
6120 Earle Brown Drive
Suite 700
Minneapolis, MN 55430
Phone: 763.843.0420
bkbm.com

© 2025 BKBM Engineers
Bakke Kopp Ballou & McFarlin, Inc.
All rights reserved.
This document is an instrument of service and is the property of BKBM Engineers and may not be used or copied without prior written consent.

BKBM Project No. 24318.00

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.

Alexander H. Smith
License Number: 59305 Date: 01/28/2025

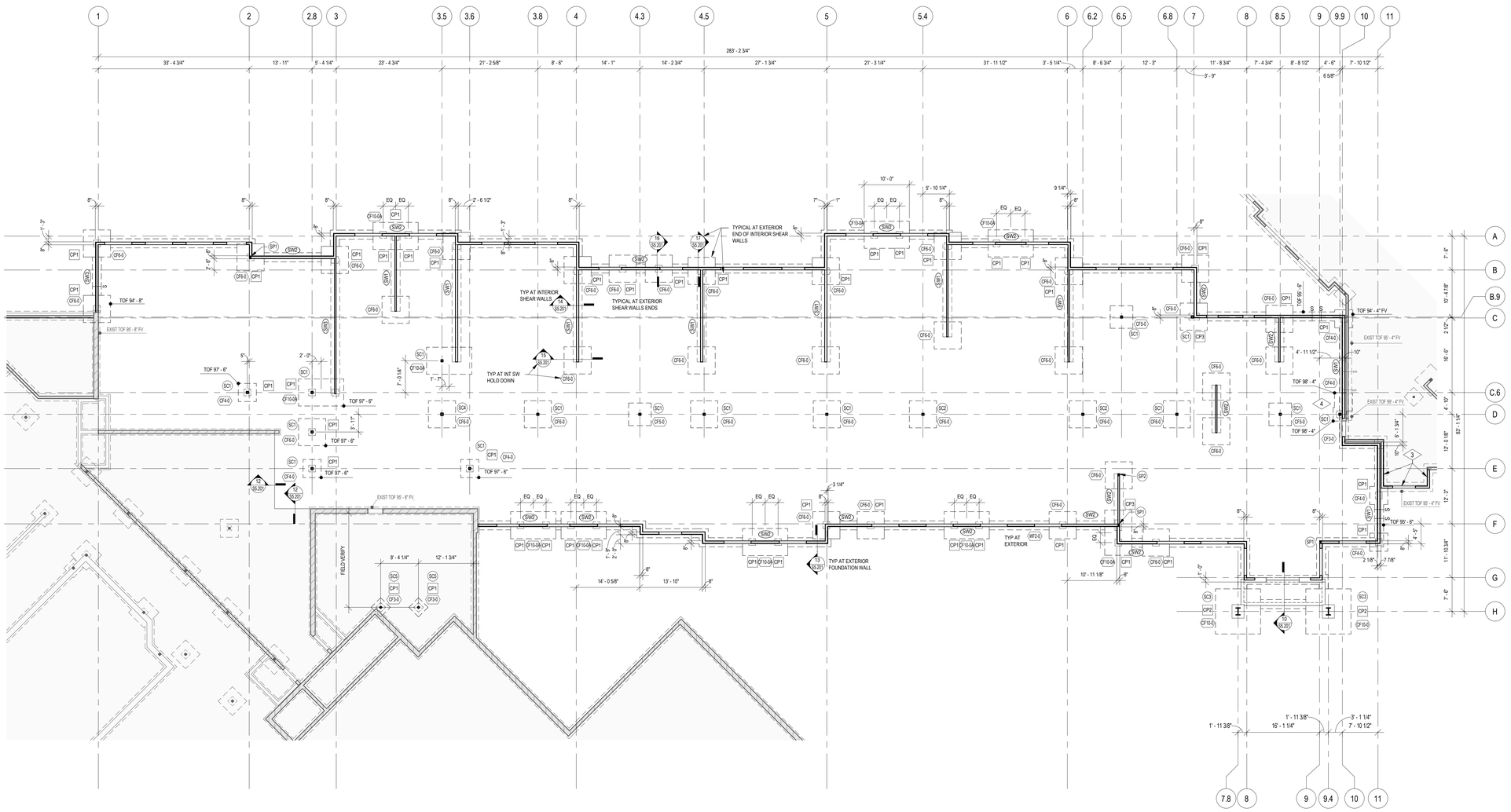
Revisions		
Description	Date	Num

Comm: 246039
Date: 01/28/2025
Drawn: EDG
Check: AHS

STRUCTURAL TITLE SHEET

S0.000

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039_Pelican Valley Senior Living Renovation_Struct_2022.rvt
1/28/2025 4:11:39 PM



1 S2.01ab FOUNDATION/FIRST FLOOR PLAN

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 S8.201 FOR SCHEDULES.
4. PROVIDE 4" SLAB ON GRADE W/MICRO FIBER REINFORCING (MINIMUM 1.5 POUNDS PER CUBIC YARD). SEE SECTION 14/S5.201 FOR THICKENED SLABS BELOW INTERIOR BEAR WALLS AND SHEAR WALLS.
5. TOP OF SLAB ELEVATION = 100'-0".
6. TOP OF EXTERIOR FOOTING ELEVATION (TOF) AT WALLS AND COLUMNS = 95'-6".
7. TOP OF INTERIOR FOOTING ELEVATION (TOF) AT WALLS AND COLUMNS = 99'-0".
8. PROVIDE SLEEVES FOR ALL PIPES THAT INTERSECT BUILDING FOUNDATIONS. FOR PIPES THAT CROSS BELOW TOP OF FOOTING, STEP OR THICKEN FOOTINGS AS SHOWN IN SECTION 1/SS.201 AND DETAIL 2/SS.201. SEE 3/SS.201 FOR PIPES RUNNING ADJACENT TO FOOTINGS. PIPES SHOWN ON PLAN ARE FOR REFERENCE ONLY. COORDINATE LOCATIONS AND ELEVATIONS WITH CIVIL AND MECHANICAL.
9. TOP OF FOUNDATION WALL ELEVATION = 100'-0".
10. TOP OF PIER ELEVATION = 99'-0".
11. PROVIDE THE FOLLOWING CONCRETE FROST WALL REINFORCING:
    - 6" WALLS: #4@18"OC VERTICAL, #4@16"OC HORIZONTAL CENTERED IN WALL
    - 8" WALLS: #4@18"OC VERTICAL, #4@12"OC HORIZONTAL CENTERED IN WALL
    - 10" WALLS: #4@16"OC VERTICAL, #4@10"OC HORIZONTAL CENTERED IN WALL
    - 12" WALLS: #4@18"OC VERTICAL EACH FACE, #4@16"OC HORIZONTAL EACH FACE
    - 16" WALLS: #4@18"OC VERTICAL EACH FACE, #5@18"OC HORIZONTAL EACH FACE

    LAP REINFORCING AS FOLLOWS:
    - #4: 1'-8"
    - #5: 2'-1"

    PROVIDE DOWELS FROM FOOTING INTO CONCRETE WALLS TO MATCH VERTICAL WALL REINFORCING SIZE AND SPACING, PROJECT INTO WALL TO MATCH VERTICAL REINFORCING LAP SPLICE. SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.
12. FOOTINGS FOR WALLS NOT NOTED SHALL BE 12" THICK WITH A MINIMUM PROJECTION OF 4" EACH SIDE. REINFORCE WITH 2-#5 CONTINUOUS. ADD 1-#5 CONTINUOUS FOR EACH 6" WIDTH OVER 24".
13. PLACE ALL STOOP SLABS ON CLEAN GRANULAR FILL MATERIAL THAT EXTENDS DOWN TO BOTTOM OF FOOTING.
14. SEE ARCHITECTURAL DRAWINGS FOR FIRE RATINGS OF STRUCTURAL MASONRY WALLS AND FOR LOCATIONS AND FIRE RATINGS OF NON-BEARING MASONRY WALLS.
15. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RAMPS, SLAB SLOPES, STEPPED SLABS AND PARTITION WALLS.
16. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION AND DIMENSIONS.

KEYNOTES

3	REBUILD EXISTING WOOD WALLS WITH 2x6@16"OC TO ACCOMMODATE NEW ROOF SLOPE.
4	FIELD VERIFY EXISTING FOOTING ELEVATIONS. SEQUENCE FOOTING WORK AS REQUIRED TO ACCOMMODATE FOOTING ELEVATIONS SHOWN. DOWEL NEW WALL FOOTING INTO EXISTING/NEW FOUNDATION WALLS NEAR GRIDS D.5/11 WITH 2-#5.

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039_Pelican Valley Senior Living Renovation_Struc_R23.rvt
1/28/2025 8:11:42 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
6120 Earle Brown Drive
Suite 700
Minneapolis, MN 55430
Phone: 763.843.0420
bkbm.com

© 2025 BKBM Engineers
Bakke Kopp Ballou & McFarlin, Inc.
All rights reserved.
This document is an instrument of service and is the property of BKBM Engineers and may not be used or copied without prior written consent.
BKBM Project No. 24318.00

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.

Alexander H. Smith
License Number: 59305 Date 01/28/2025

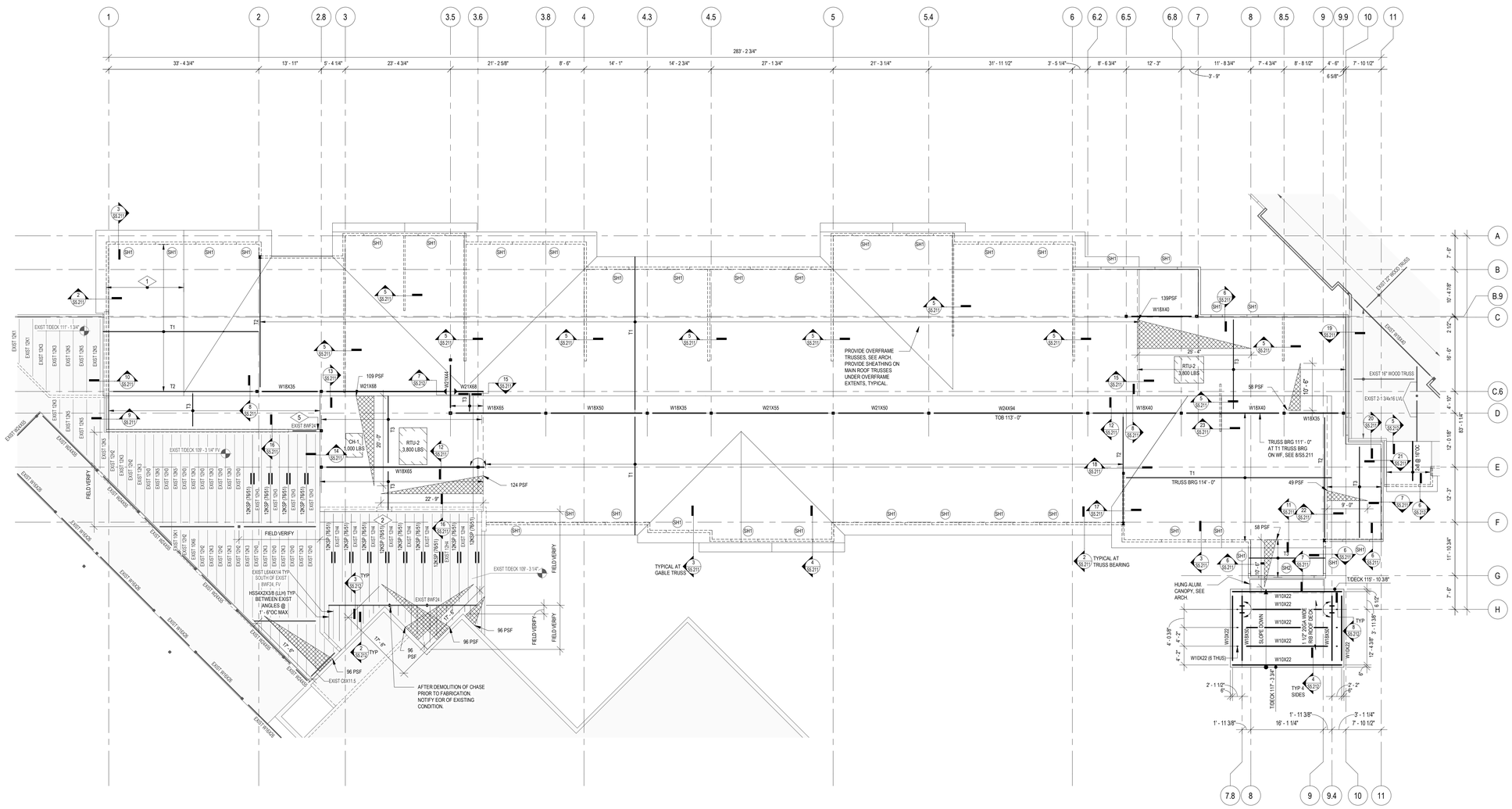
Revisions		
Description	Date	Num

Comm: 246039
Date: 01/28/2025
Drawn: EDG
Check: AHS

North

FOUNDATION/FIRST FLOOR PLAN - AREAS A AND B

S2.01ab



1 ROOF FRAMING PLAN
S2.02ab

UNLESS NOTED OTHERWISE:

1. SEE SHEET S0.000 FOR GENERAL STRUCTURAL NOTES, ABBREVIATIONS, AND SYMBOLS.
2. SEE SHEET S5.211 FOR TYPICAL ROOF FRAMING DETAILS.
3. SEE SHEET S6.201 FOR SCHEDULES.
4. ROOF TRUSS BEARING EL. = 111'-0"
5. HEADERS INDICATED ON THIS LEVEL ARE FOR OPENINGS BETWEEN THE FIRST FLOOR AND ROOF.
6. ROOF SHEATHING IS 19/32" PLYWOOD OR OSB (40/20 SPAN RATING). SEE DETAIL 1/S5.211 FOR TYPICAL FASTENING AT ROOF SHEATHING.
7. EXTERIOR WALL SHEATHING IS 5/8" FIBERGLASS MAT FACED GYPSUM SHEATHING. VERIFY WITH ARCHITECTURAL WALL TYPES.
8. PROVIDE 2-5/16" WEB STIFFENER PLATES AT STEEL BEAMS RUNNING OVER COLUMNS OR WALLS, CENTER ON SUPPORT.
9. STEEL JOIST SUPPLIER TO DESIGN JOISTS FOR:
   A. TOTAL LOAD/LIVE LOAD (PSF) NOTED IN JOIST DESIGNATION.
   B. MECHANICAL POINT LOADS AND SNOW DRIFT LOADS SHOWN ON PLAN.
10. SEE GENERAL STRUCTURAL NOTES FOR TYPICAL ROOF FRAMING AT OPENINGS WIDER THAN 6". COORDINATE WITH ARCHITECTURAL/MECHANICAL DRAWINGS FOR OPENING LOCATION AND SIZE.
11. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RAMPS, SLAB SLOPES, STEPPED SLABS AND PARTITION WALLS.
12. REFER TO ARCHITECTURAL DRAWINGS AND/OR COORDINATE WITH ARCHITECT REGARDING ANY DIMENSIONS.

KEYNOTES

1	BLOCK ROOF SHEATHING FOR EXTENTS SHOWN. ATTACH SHEATHING WITH #8 SCREWS @6"OC AT PANEL EDGES AND @12"OC AT INTERMEDIATE FRAMING MEMBERS. SEE DETAIL 6/S6.201.
2	PROVIDE LINTEL AT NEW OPENING IN EXISTING CMU PER 7/S6.201.
5	CUT EXISTING BEAM END AND PROVIDE 2-BOLT SINGLE PLATE CONNECTION FROM EXISTING BEAM TO NEW COLUMN. TEMPORARILY SHORE EXISTING BEAM END FOR 5 KIPS.

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

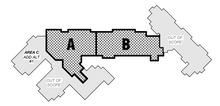
WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
6120 Earle Brown Drive
Suite 700
Minneapolis, MN 55430
Phone: 763.843.0420
bkbm.com

© 2025 BKBM Engineers
Bakke Kopp Ballou & McFarlin, Inc.
All rights reserved.
This document is an instrument of service and is the property of BKBM Engineers and may not be used or copied without prior written consent.

BKBM Project No. 24318.00



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.

Alexander H. Smith
License Number: 59305 Date 01/28/2025

Revisions		
Description	Date	Num

Comm: 246039
Date: 01/28/2025
Drawn: EDG
Check: AHS

North

ROOF FRAMING PLAN - AREAS A AND B

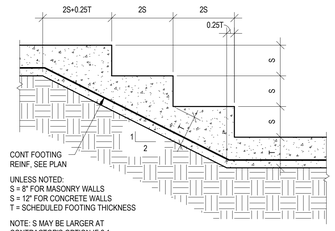
S2.02ab

MN

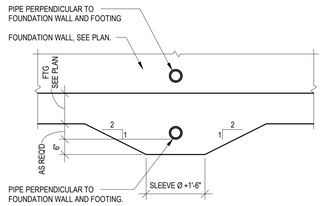
S

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039_Pelican Valley Senior Living Renovation_Area_A2021.rvt
1/28/2025 4:11:48 PM

MN

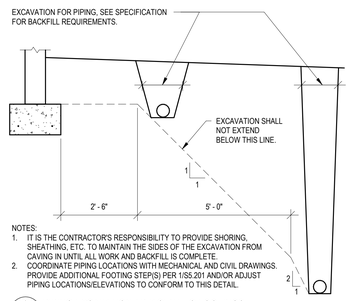


1 S5.201 TYPICAL FOOTING STEP SECTION



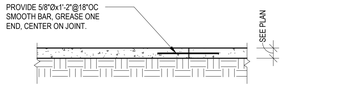
NOTES:
1. FOR PIPES BELOW FOOTING PROVIDE SLEEVE AND THICKEN CONCRETE FOOTING AS SHOWN OR STEP FOOTING BELOW PIPE PER 1/SS.201.
2. FOR PIPES WITHIN FOOTING DEPTH STEP FOOTING PER 1/SS.201 SO PIPES PASS THROUGH WALL. PROVIDE SLEEVE AND GROUT INTO WALL.
3. SLEEVE DIAMETER TO BE 2" GREATER THAN PIPE OUTSIDE DIAMETER.
4. COORDINATE PIPING LOCATIONS WITH MECHANICAL DRAWINGS.

2 S5.201 DETAIL



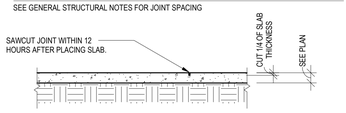
NOTES:
1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE SHORING, SHEATHING, ETC. TO MAINTAIN THE SIDES OF THE EXCAVATION FROM CAVING IN UNTIL ALL WORK AND BACKFILL IS COMPLETE.
2. COORDINATE PIPING LOCATIONS WITH MECHANICAL AND CIVIL DRAWINGS. PROVIDE ADDITIONAL FOOTING STEP(S) PER 1/SS.201 AND/OR ADJUST PIPING LOCATIONS/ELEVATIONS TO CONFORM TO THIS DETAIL.

3 S5.201 PIPING EXCAVATION ADJACENT TO FOOTINGS



TYPICAL CONSTRUCTION JOINT

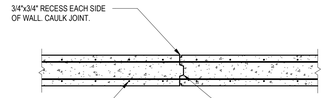
SEE GENERAL STRUCTURAL NOTES FOR JOINT SPACING



TYPICAL CONTROL JOINT

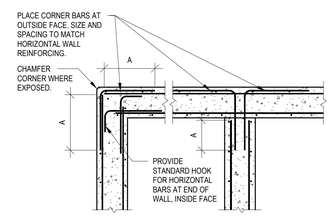
SEE GENERAL STRUCTURAL NOTES FOR JOINT SPACING

4 S5.201 TYPICAL CONTROL/CONSTRUCTION JOINT



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.

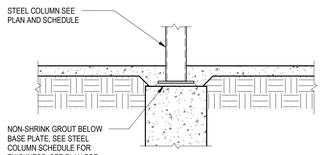
5 S5.201 TYPICAL VERTICAL CONTROL/CONSTRUCTION JOINT IN CONC WALL



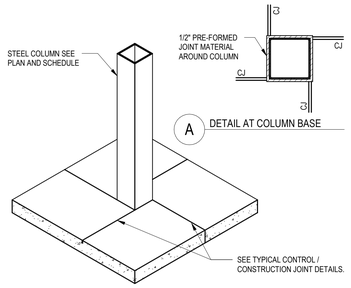
A = TYPICAL WALL REINFORCING LAP LENGTH

NOTE: SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL INFORMATION.

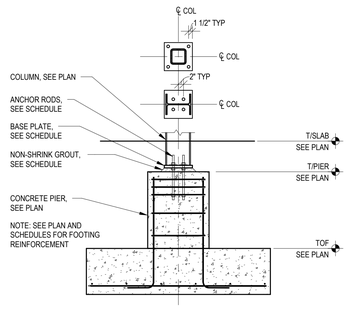
6 S5.201 TYPICAL CONCRETE WALL INTERSECTION REINFORCING - PLAN



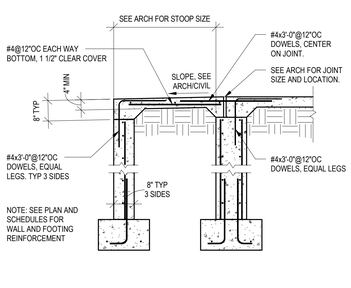
7 S5.201 TYPICAL INTERIOR TUBE COLUMN AT SLAB ON GRADE DETAIL



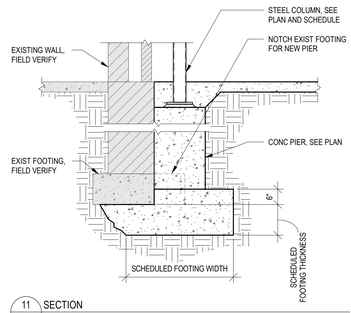
8 S5.201 TYPICAL SLAB AT STEEL TUBE COLUMN DETAIL



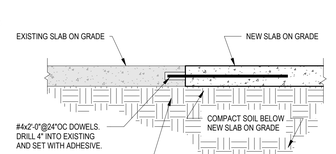
9 S5.201 SECTION



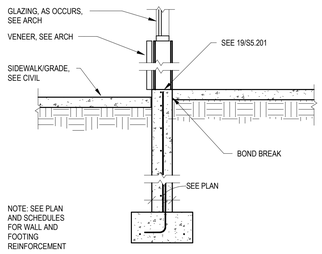
10 S5.201 SECTION



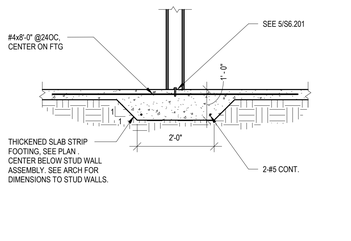
11 S5.201 SECTION



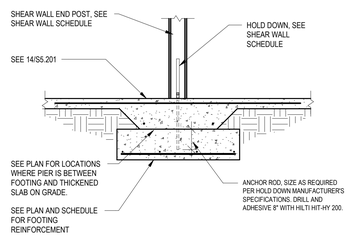
12 S5.201 TYPICAL NEW SLAB ON GRADE TO EXISTING SLAB ON GRADE SECTION



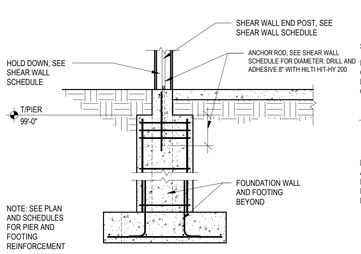
13 S5.201 SECTION



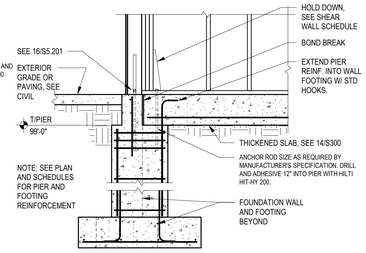
14 S5.201 SECTION



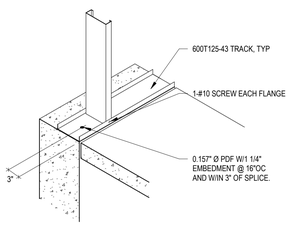
15 S5.201 SECTION



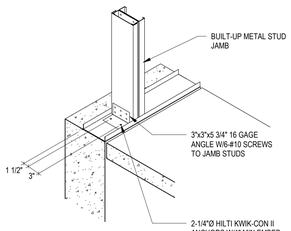
16 S5.201 SECTION



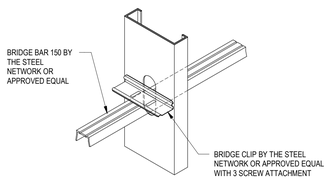
17 S5.201 SECTION



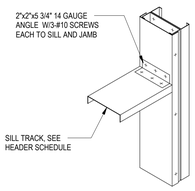
19 S5.201 TRACK TO FOUNDATION WALL



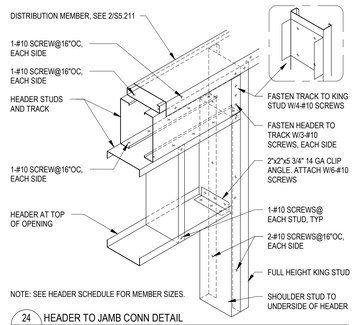
20 S5.201 JAMB TO FOUNDATION DETAIL



21 S5.201 BRIDGING DETAIL



23 S5.201 SILL DETAIL



24 S5.201 HEADER TO JAMB CONN DETAIL

S

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/S5.201_Pelican Valley Senior Living Renovation_Struct_R23.rvt
12/30/2025 4:11:44 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
6120 Earle Brown Drive
Suite 700
Minneapolis, MN 55430
Phone: 763.843.0420
bkbm.com

© 2025 BKBM Engineers
Bakke Kopp Ballou & McFarlin, Inc.
All rights reserved.
This document is an instrument of service and is the property of BKBM Engineers and may not be used or copied without prior written consent.
BKBM Project No. 24318.00

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.

Alexander H. Smith
License Number: 59305 Date 01/28/2025

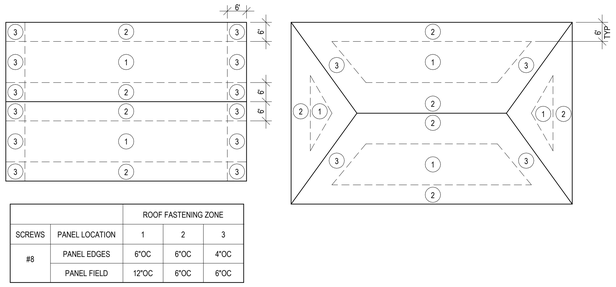
Revisions		
Description	Date	Num

Comm: 246039
Date: 01/28/2025
Drawn: EDG
Check: AHS

SECTIONS AND DETAILS

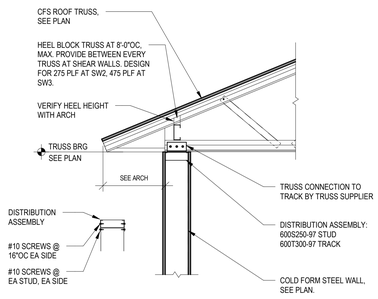
S5.201

MN

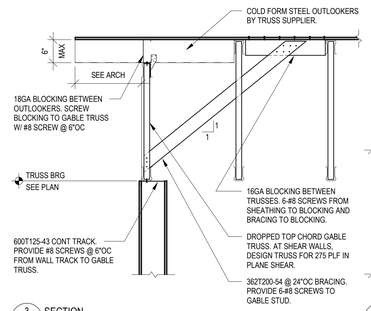


		ROOF FASTENING ZONE		
SCREWS	PANEL LOCATION	1	2	3
#8	PANEL EDGES	6"OC	6"OC	4"OC
	PANEL FIELD	12"OC	6"OC	6"OC

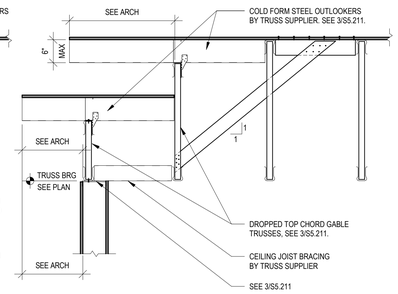
1 S5.211 DETAIL
ROOF SHEATHING ATTACHMENT AT ROOF



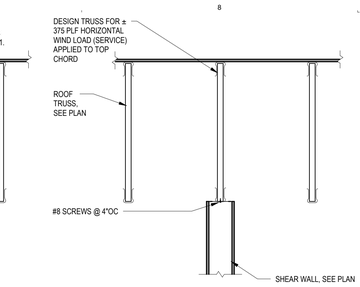
2 S5.211 SECTION



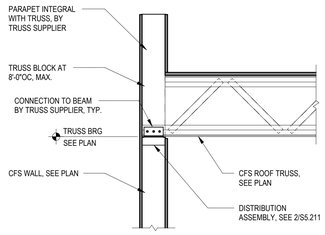
3 S5.211 SECTION



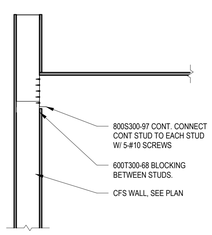
4 S5.211 SECTION



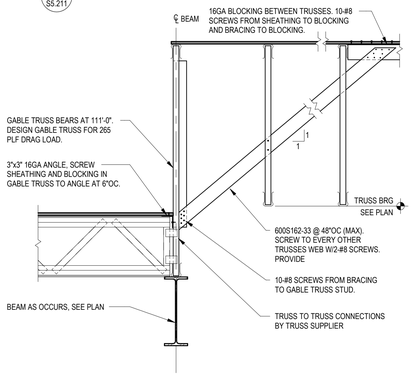
5 S5.211 SECTION



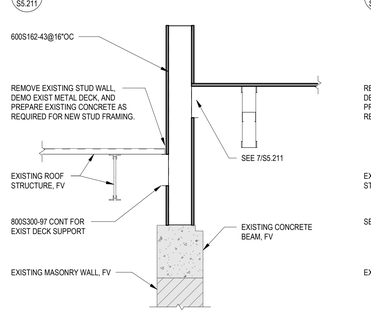
6 S5.211 SECTION



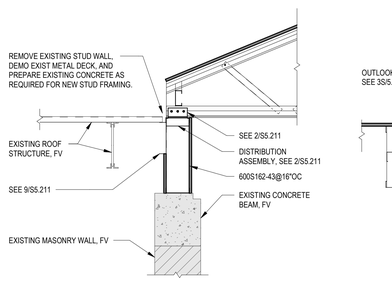
7 S5.211 SECTION



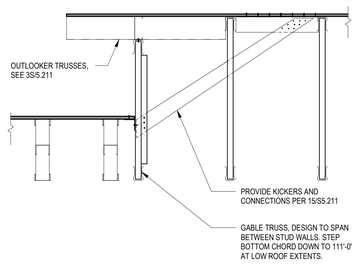
8 S5.211 SECTION



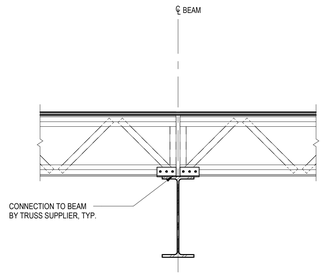
9 S5.211 SECTION



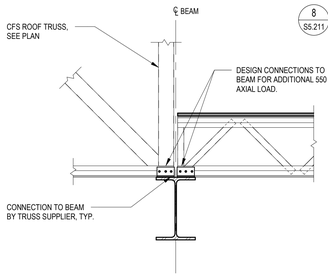
10 S5.211 SECTION



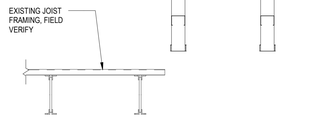
11 S5.211 SECTION



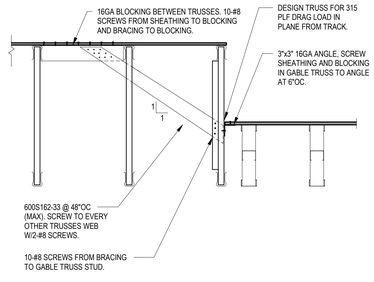
12 S5.211 SECTION



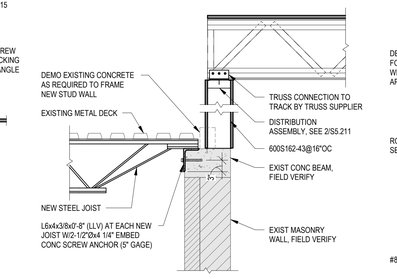
13 S5.211 SECTION



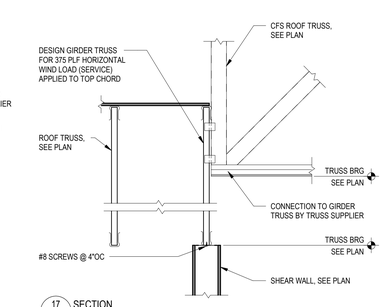
8 S5.211 SECTION



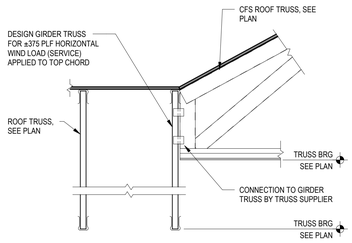
14 S5.211 SECTION



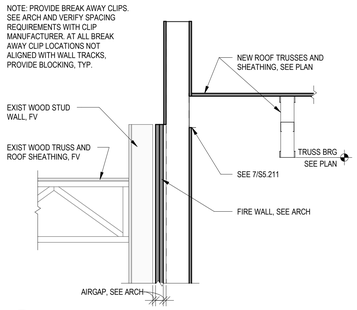
15 S5.211 SECTION



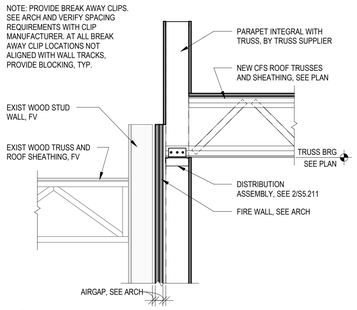
16 S5.211 SECTION



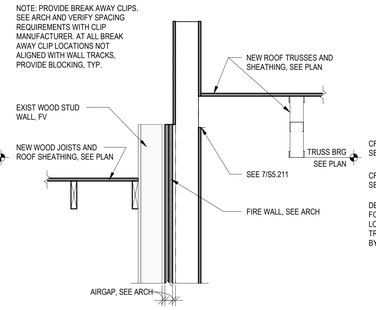
18 S5.211 SECTION



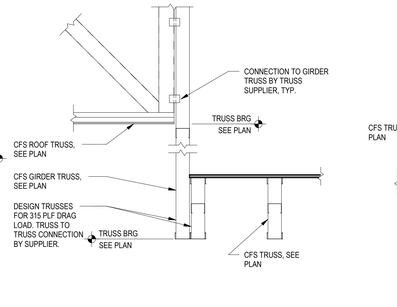
19 S5.211 SECTION



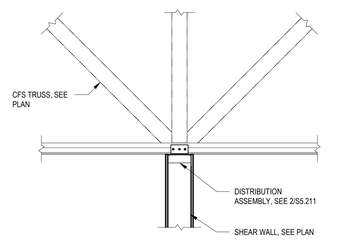
20 S5.211 SECTION



21 S5.211 SECTION



22 S5.211 SECTION



23 S5.211 SECTION

S

Pelican Valley Senior Living Renovation
211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
6120 Earle Brown Drive
Suite 700
Minneapolis, MN 55430
Phone: 763.843.0420
bkbm.com

© 2025 BKBM Engineers
Bakker Kopp Ballou & McFarlin, Inc.
All rights reserved.
This document is an instrument of service and is the property of BKBM Engineers and may not be used or copied without prior written consent.

BKBM Project No. 24318.00

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.

Alexander H. Smith
License Number: **59305** Date: **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **EDG**
Check: **AHS**

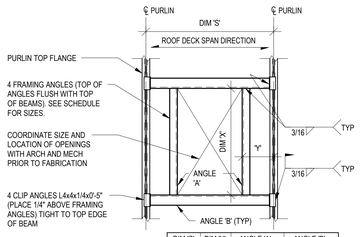
SECTIONS AND DETAILS

S5.211

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246_Pelican Valley Senior Living Renovation_Struct_R23.rvt
1/28/2025 11:41:45 PM

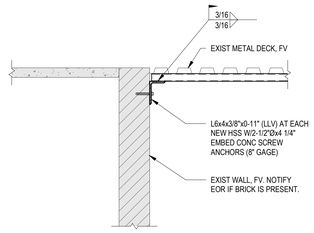
MN

S

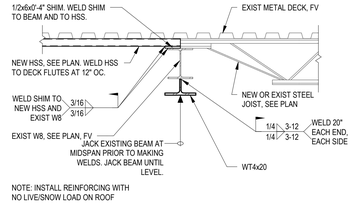


DIM 'S'	DIM 'X'	ANGLE 'A'	ANGLE 'B'
0' TO 6'	0' TO 4'	L3x3x1/4	L3x3x1/4
0' TO 6'	4' TO 8'	L4x3x1/4 (LLV)	L4x3x1/4 (LLV)
6' TO 10'	0' TO 4'	L3x3x1/4	L5x3x1/4 (LLV)
6' TO 10'	4' TO 8'	L5x3x1/4 (LLV)	L5x3x1/4 (LLV)

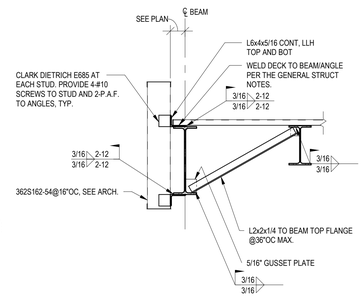
1 S5.212 OPENING IN NEW ROOF DECK



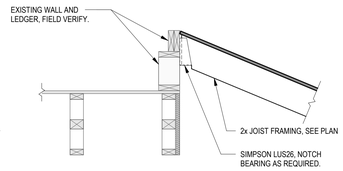
2 S5.212 SECTION



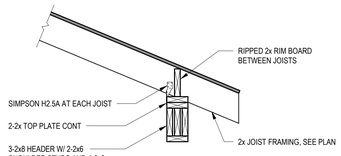
3 S5.212 SECTION



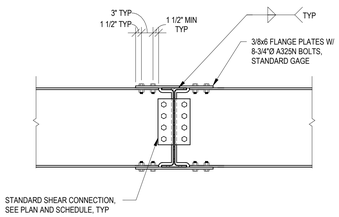
4 S5.212 SECTION



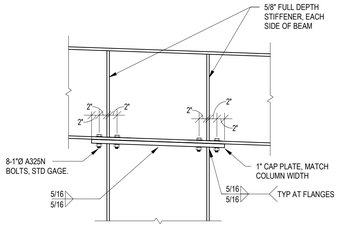
5 S5.212 SECTION



6 S5.212 SECTION



7 S5.212 SECTION



8 S5.212 SECTION

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039_Pelican Valley Senior Living Renovation_Revit_R23.rvt
12/30/2025 4:11:46 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
6120 Earle Brown Drive
Suite 700
Minneapolis, MN 55430
Phone: 763.843.0420
bkbm.com

© 2025 BKBM Engineers
Bakke Kopp Ballou & McFarlin, Inc.
All rights reserved.
This document is an instrument of service and is the property of BKBM Engineers and may not be used or copied without prior written consent.
BKBM Project No. 24318.00

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.

Alexander H. Smith
License Number: 59305 Date 01/28/2025

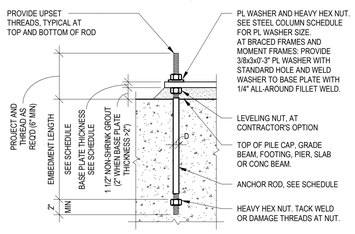
Revisions		
Description	Date	Num

Comm: 246039
Date: 01/28/2025
Drawn: EDG
Check: AHS

SECTIONS AND DETAILS

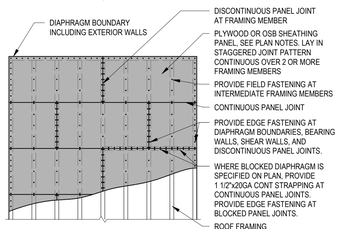
S5.212

MN



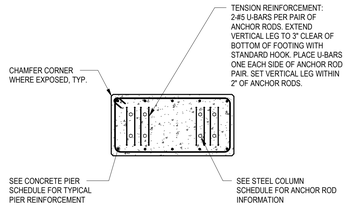
NOTE: SEE PLAN NOTES AND COLUMN SCHEDULE NOTES FOR EXCEPTIONS.

1 S6.201 TYPICAL ANCHOR ROD

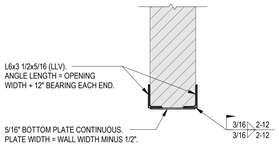


ROOF SHEATHING FASTENING SCHEDULE	
PANEL LOCATION	TYPICAL ROOF
EDGE	SEE 1/SS.211
FIELD	

6 S6.201 TYPICAL FLOOR/ROOF SHEATHING FASTENING DIAGRAM



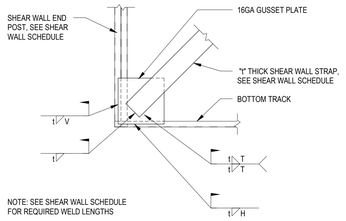
2 S6.201 DETAIL



INSTALLATION SEQUENCING NOTES

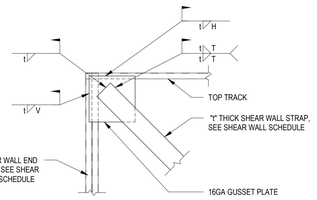
1. SAWCUT ALONG EXISTING BLOCK JOINT ON ONE SIDE AT ANGLE BEARING.
2. DRIVE ANGLE IN SAWCUT (8" MIN BEARING EACH END).
3. REPEAT STEPS 1 AND 2 ON OTHER SIDE.
4. REMOVE EXIST BLOCK BELOW ANGLES.
5. WELD BOTTOM PLATE TO ANGLES.

7 S6.201 DETAIL



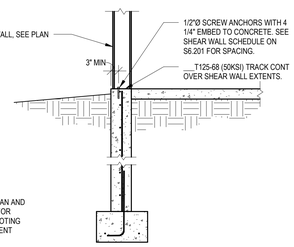
NOTE: SEE SHEAR WALL SCHEDULE FOR REQUIRED WELD LENGTHS

3 S6.201 SECTION



NOTE: SEE SHEAR WALL SCHEDULE FOR REQUIRED WELD LENGTHS

4 S6.201 SECTION



NOTE: SEE PLAN AND SCHEDULES FOR WALL AND FOOTING REINFORCEMENT

5 S6.201 SECTION

S

CFS HEADER SCHEDULE					
MARK	MAX. WIDTH	HEADER AT TOP OF WALL	HEADER AT TOP OF OPENING	JAMB KING (K) SHOULDER (S)	SILL (IF REQUIRED)
SH1	7' - 0"	2 - 800S200-97 1 - 600T125-54	1-600T125-68	(K) 1-600S200-54 (S) 1-600S200-68	1-600T125-68
SH2	12' - 6"	2 - 800S162-54 1 - 600T200-54	1-600T200-97	(K) 1-600S200-97 (S) 1-600S200-54	

UNLESS NOTED OTHERWISE:
1. HEADER SECTIONS SHALL BE CONSTRUCTED USING UNPLUNCHED MEMBERS.
2. SEE STRUCTURAL NOTES FOR CONNECTION OF BUILT UP MEMBERS.
3. SEE 23/SS.201 FOR SILL CONNECTION TO JAMB.
4. SEE 24/SS.201 FOR HEADER CONNECTION TO JAMB.
5. SEE 20/SS.201 AND FOR JAMB CONNECTIONS AT FOUNDATION. PROVIDE SIMILAR CONNECTION AT TOP OF WALL W/ #10 SCREWS.
6. SILL MEMBER NOT REQUIRED WHERE OPENINGS ARE AT THE BASE OF THE WALL.

CFS POST SCHEDULE		
MARK	SIZE	REMARKS
SP1	2-600S250-97	BACK TO BACK
SP2	2-362S250-97	BACK TO BACK

UNLESS NOTED OTHERWISE:
1. SEE STRUCTURAL NOTES FOR CONNECTION OF BUILT UP MEMBERS.

CFS ROOF TRUSS SCHEDULE		
MARK	DESCRIPTION	REMARKS
T1	CONVENTIONAL CFS TRUSS FRAMING @ 24"OC MAX - FLAT BOTTOM CHORD	
T2	CFS GIRDER TRUSS - FLAT BOTTOM CHORD	
T3	16" DEEP CFS TRUSS @ 16"OC MAX	

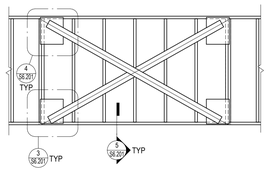
UNLESS NOTED OTHERWISE:
1. PROVIDE A SP1 UNDER GIRDER TRUSS BEARING LOCATIONS WHERE POST IS NOT INDICATED.

CFS BEARING WALL SCHEDULE		
FLOOR LEVEL	TYPICAL EXTERIOR WALL STUD SIZE AND SPACING	TYPICAL INTERIOR WALL STUD SIZE AND SPACING
1	600S162-54@16"OC	362S162-54@16"OC

UNLESS NOTED OTHERWISE:
1. SEE 19/SS.201 FOR CONNECTION OF CFS STUD WALL TO FOUNDATION WALLS AND SLABS.

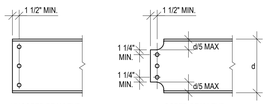
CFS SHEAR WALL SCHEDULE				
MARK		SW1	SW2	SW3
LEVEL 1	STRAP	5"x16GA	4"x16GA	2-4"x16GA
	STRAP FILLET WELD	5T, 5V, 8H	4T, 7V, 4H	6T, 3V, 5H
	SILL PLATE CONNECTION	1/2"Ø ANCHORS@16"OC	1/2"Ø ANCHORS@16"OC	1/2"Ø ANCHORS@16"OC
	HOLD DOWN	S/HDU6 W/2-.00S200-54	S/HDU6 W/2-.00S200-54	S/HDU6 W/2-.00S200-54
	ANCHOR ROD	5/8"Ø	5/8"Ø	5/8"Ø
REMARKS		----	----	----

UNLESS NOTED OTHERWISE:
1. SEE 5/S6.201 FOR TYPICAL SILL PLATE CONNECTION AT THE FOUNDATION LEVEL.
2. SEE DETAILS ON S5.201 FOR TYPICAL HOLD DOWN DETAILS AT HOLD DOWN LOCATIONS.



SINGLE PLATE CONNECTION TABLE				
BEAM SIZE	# OF BOLT ROWS	ΦRn (K) COPED	ΦRn (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 W12x15)	43	WEB STIFFENER REQUIRED FOR DOUBLE COPED BEAMS IF COPE LENGTH >0'-3" (MAX CAPACITY=15K 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.



CLASS 'A' TENSION LAP SPLICE TABLE								
BAR SIZE	f'c (psi)							
	2500	3000	3500	4000	5000	6000	7000	8000
#3	1'-6"	1'-5"	1'-4"	1'-3"	1'-1"	1'-0"	1'-0"	1'-0"
#4	2'-0"	1'-10"	1'-9"	1'-7"	1'-5"	1'-4"	1'-3"	1'-2"
#5	2'-6"	2'-4"	2'-2"	2'-0"	1'-10"	1'-8"	1'-6"	1'-5"
#6	3'-0"	2'-9"	2'-7"	2'-5"	2'-2"	2'-0"	1'-10"	1'-9"
#7	4'-5"	4'-0"	3'-9"	3'-6"	3'-2"	2'-10"	2'-8"	2'-6"
#8	5'-0"	4'-7"	4'-3"	4'-0"	3'-7"	3'-3"	3'-0"	2'-10"
#9	5'-8"	5'-2"	4'-10"	4'-6"	4'-0"	3'-8"	3'-5"	3'-2"
#10	6'-4"	5'-9"	5'-4"	5'-0"	4'-6"	4'-1"	3'-9"	3'-6"
#11	7'-1"	6'-4"	5'-10"	5'-6"	4'-11"	4'-6"	4'-2"	3'-11"

CLASS 'B' TENSION LAP SPLICE TABLE								
BAR SIZE	f'c (psi)							
	2500	3000	3500	4000	5000	6000	7000	8000
#3	1'-11"	1'-10"	1'-8"	1'-7"	1'-5"	1'-4"	1'-2"	1'-2"
#4	2'-7"	2'-5"	2'-3"	2'-1"	1'-11"	1'-9"	1'-7"	1'-6"
#5	3'-3"	3'-0"	2'-9"	2'-7"	2'-4"	2'-2"	2'-0"	1'-10"
#6	3'-11"	3'-7"	3'-4"	3'-1"	2'-10"	2'-7"	2'-4"	2'-3"
#7	5'-8"	5'-3"	4'-10"	4'-6"	4'-1"	3'-9"	3'-5"	3'-3"
#8	6'-6"	6'-0"	5'-6"	5'-2"	4'-8"	4'-3"	3'-11"	3'-8"
#9	7'-4"	6'-9"	6'-3"	5'-10"	5'-3"	4'-9"	4'-5"	4'-2"
#10	8'-3"	7'-6"	6'-11"	6'-6"	5'-9"	5'-3"	4'-11"	4'-7"
#11	9'-2"	8'-2"	7'-7"	7'-1"	6'-4"	5'-10"	5'-5"	5'-0"

NOTES:
1. THESE TABLES SHOW LENGTHS FOR PLAIN, BOTTOM ASTM A615 GRADE 60 BARS IN NORMAL WEIGHT CONCRETE, MEETING THE SPACING AND COVER LIMITATIONS GIVEN BELOW. MULTIPLY THESE LENGTHS BY ALL OF THE APPLICABLE FACTORS GIVEN FOR OTHER CONDITIONS. SPECIFIC EMBEDMENT, LAP, OR PROJECTION LENGTHS SHOWN ON DRAWINGS GOVERN OVER THESE TABLES.
2. SPACING AND COVER REQUIREMENTS:
   a. CLEAR SPACING BETWEEN BARS AT SPLICE ≥2db AND CLEAR COVER ≥db OR
   b. CLEAR SPACING BETWEEN BARS AT SPLICE ≥db AND CLEAR COVER ≥db AND STIRRUPS/TIES OVER FULL LENGTH OF SPLICE. STIRRUPS/TIES TO BE SPACED SUCH THAT:
      s x n≤16 FOR #3 TIES/STIRRUPS
      s x n≤32 FOR #4 TIES/STIRRUPS
      s x n≤50 FOR #5 TIES/STIRRUPS
   db = BAR DIAMETER IN INCHES, s = SPACING OF TIES/STIRRUPS, n = NUMBER OF BARS SPLICED AT A GIVEN LOCATION.
3. MULTIPLY GIVEN SPLICE LENGTHS BY ALL THE FOLLOWING APPLICABLE FACTORS:
   a. MULTIPLY BY 1.5 IF SPACING OR COVER REQUIREMENTS ARE NOT MET.
   b. MULTIPLY BY 1.3 FOR TOP BARS. TOP BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 12" OF FRESH CONCRETE BELOW THE BAR.
   c. MULTIPLY BY 1.2 FOR #3 OR #4 EPOXY COATED BARS SPACED 4" MIN OC WITH 1 1/2" MIN CLEAR COVER.
   d. MULTIPLY BY 1.31 FOR OTHER EPOXY COATED TOP BARS.
   e. MULTIPLY BY 1.5 FOR OTHER EPOXY COATED BARS (EXCEPT TOP BARS).
   f. MULTIPLY BY 1.3 FOR LIGHTWEIGHT CONCRETE.
   g. MULTIPLY BY fy/60 FOR BARS WITH YIELD STRESS >60 KSI.
4. USE CLASS 'B' TENSION LAP SPLICES UNLESS SPECIFICALLY NOTED OTHERWISE.
5. COMPRESSION LAP LENGTH, ONLY WHERE NOTED, TO BE 30db. INCREASE TO 44db FOR Fy = 75 KSI, AND 57db FOR Fy = 90 KSI.

COLUMN FOOTING SCHEDULE				
MARK	FOOTING SIZE WIDTH	FOOTING SIZE LENGTH	FOOTING SIZE THICKNESS	REINFORCING
CF3-0	3' - 0"	3' - 0"	1' - 0"	4-#5 EACH WAY, BOTTOM
CF4-0	4' - 0"	4' - 0"	1' - 0"	4-#5 EACH WAY, BOTTOM
CF5-0	5' - 0"	5' - 0"	1' - 2"	5-#5 EACH WAY, BOTTOM
CF6-0	6' - 0"	6' - 0"	1' - 6"	7-#5 EACH WAY, BOTTOM
CF10-0	10' - 0"	10' - 0"	2' - 0"	9-#7 EACH WAY, TOP AND BOTTOM
CF10A	10' - 0"	6' - 0"	2' - 6"	__-#__ EACH WAY, TOP AND BOTTOM

CONTINUOUS WALL FOOTING SCHEDULE			
MARK	FOOTING SIZE WIDTH	FOOTING SIZE THICKNESS	REINFORCING
WF2-0	2' - 0"	1' - 0"	2-#5 CONT. BOTTOM

CONCRETE PIER SCHEDULE			
MARK	SIZE	REINFORCING	REMARKS
CP1	18"x18"	8-#5 VERT, #3 TIES @ 10" OC	DETAIL A TIE LAYOUT
CP2	32"x36"	10-#9 VERT, #4 TIES@6"OC	DETAIL B TIE LAYOUT. SEE 2/S6.201 FOR ADDL U-BARS
CP3	18"x28"	10-#5 VERT, #3 TIES @ 10" OC	DETAIL B 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.

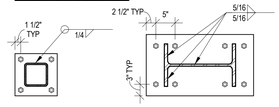
CONCRETE PIER BAR PLACEMENT DETAILS

DETAIL A DETAIL B

STEEL COLUMN SCHEDULE		
MARK	SIZE	BASE PLATE
SC1	HSS5x5x5/16	1x11x0'-11", SEE DETAIL A.
SC2	HSS5x5x3/8	1x11x0'-11", SEE DETAIL A.
SC3	W18x86	2x16x2'-4" W/ 8-1"Ø x 24" EMBED ANCHOR RODS W/ DOUBLE HEAVY HEX NUT. SEE DETAIL B.
SC4	HSS6x6x3/8	1x12x0'-12", SEE DETAIL A.
SC5	HSS4x4x1/4	1X10"X0'-10", SEE DETAIL A

UNLESS NOTED OTHERWISE:
1. PROVIDE 4-3/4"Ø UNHEADED ANCHOR RODS WITH HEX NUT AT EMBED END, SEE 1/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

Pelican Valley Senior Living Renovation
211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

Wold

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
6120 Earle Brown Drive
Suite 700
Minneapolis, MN 55430
Phone: 763.843.0420
bkbm.com

© 2025 BKBM Engineers
Bakke Kopp Ballou & McFarlin, Inc.
All rights reserved.
This document is an instrument of service and is the property of BKBM Engineers and may not be used or copied without prior written consent.

BKBM Project No. 24318.00

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.

Alexander H. Smith
License Number: **59305** Date: **01/28/2025**

Revisions		
Description	Date	Num.

Comm: **246039**
Date: **01/28/2025**
Drawn: **EDG**
Check: **AHS**

SCHEDULES AND DETAILS

S6.201

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039_Pelican Valley Senior Living Renovation_Struc_R23.rvt
1/28/2025 8:11:46 PM

MN

ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
ADO	AUTOMATIC DOOR OPERATOR
AF	ACCESS FLOORING
AFF	ABOVE FINISHED FLOOR
AFS	AT FINISH SLAB
ALT #_	ALTERNATE NUMBER
ALUM	ALUMINUM
AP	ACCESS PANEL
BO___	BOTTOM OF _____
BRK	BRICK
C BLK	CONCRETE BLOCK
CC	CUBICAL CURTAIN
CG	CORNER GUARD
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CPT	CARPET
CR	CARD READER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CW-__(#)	CURTAINWALL TYPE
DEMO	DEMOLITION
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISP	DISPENSER
DS	DOWNSPOUT
DTL	DETAIL
DWGS	DRAWINGS
EA	EACH
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ	EQUAL
EQUIP	EQUIPMENT
EWG	END WALL GUARD
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF&E	FIXTURES, FURNITURE, & EQUIPMENT
FFE	FINISHED FLOOR ELEVATION
FOB	FACE OF BRICK
FRP	FIBERGLASS REINFORCED PANEL
FTG	FOOTING
FZR	FREEZER
GA	GAUGE
GALV	GALVANIZED
GL	GLAZING
GWB	GYPSUM BOARD
GYP BD	GYPSUM BOARD
HCAP	HANDICAPPED
HD	HEAD
HM	HOLLOW METAL
HR	IMPACT RESISTAND HANDRAILS
INFO	INFORMATION
INSUL	INSULATION
JT	JOINT
L-__(#)	LOUVER TYPE
LFD	LINEAR FLOOR DRAIN
MATL	MATERIAL
MAX	MAXIMUM
MBD	MARKERBOARD
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTD	MOUNTED
MTL	METAL
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OH	OVERHEAD
OPP	OPPOSITE
PLYWD	PLYWOOD
POL CONC	POLISHED CONCRETE
PREV	PREVIOUS
R	RADIUS
RB	RUBBER BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFRIGERATOR
REF	REFER, REFERENCE
REINF	REINFORCING, REINFORCED
REQ'D	REQUIRED
RO	ROUGH OPENING
RTU	ROOF TOP UNIT
RWL	RAIN WATER LEADER
SB	SPLASH BLOCK
SCHED	SCHEDULE
SF	SQUARE FOOT (FEET)
SF-__(#)	STOREFRONT TYPE
SHLVG	SHELVING
SIM	SIMILAR
SPECS	SPECIFICATIONS
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
TEMP	TEMPORARY
TO ___	TOP OF ____
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VIF	VERIFY IN FIELD
VTR	VENT THROUGH ROOF
W-__(#)	WINDOW TYPE
W/	WITH
WC	WATER CLOSET
WD	WOOD

SYMBOLS

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

GRIDS — NEW: 3 — EXISTING: 3.1

ELEVATIONS — INTERIOR: 6\ / A4.1xx — EXTERIOR: C1 / A5.1xx — DETAIL NO / DRWG NO

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

MATCHLINE

ELEVATION

REVISIONS — 2

ROOM NAME — OFFICE
ROOM NUMBER — A102

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

PARTITIONS

METAL STUD — WOOD STUD — MASONRY

BRICK & BLOCK — CAVITY WALL — EXISTING — EXISTING

GLAZED OPENING — CONCRETE/ PRECAST — DEMOLISHED

MISCELLANEOUS

TILE — ACOUSTIC TILE

PLASTER — ON METAL LATH — EXPANSION JOINT MATERIAL

SYMBOLS

EARTH: EARTH — GRANULAR FILL — SAND

CONCRETE: CONCRETE/ PRECAST — TERRAZZO — TOPPING — WIRE MESH

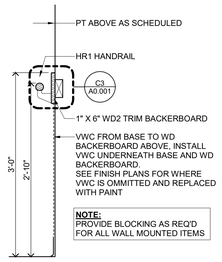
MASONRY/ STONE: BLOCK — BRICK — MORTAR NET — CUT STONE

METAL: FERROUS — ALUMINUM — OTHER

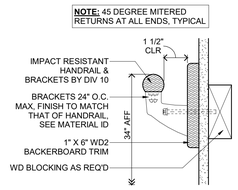
WOOD: CONSTRUCTION LUMBER — FINISHED — PLYWOOD — PARTICLE BOARD

INSULATION: BATT — RIGID — SPRAY FOAM — GRANULAR LOOSE

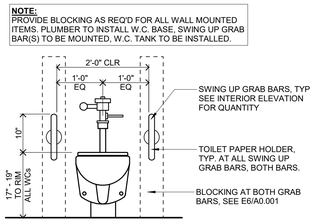
MISCELLANEOUS: EXISTING — EXISTING — DEMOLISHED



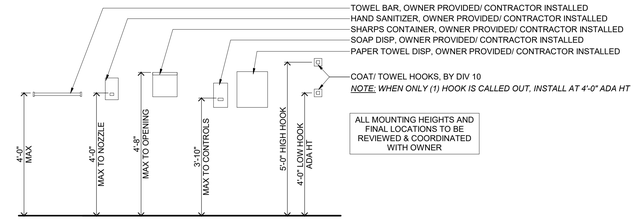
C2 TYPICAL CORRIDOR HANDRAIL CONDITION
1" = 1'-0" — 0 — 9" — 1'-6"



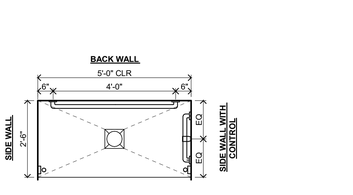
C3 CORRIDOR HANDRAIL ON WD TRIM
3" = 1'-0" — 0 — 3" — 6"



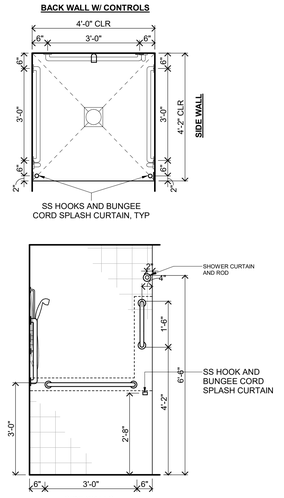
C4 INT DTL - SWING-UP GRAB BARS
3/4" = 1'-0" — 0 — 1' — 2'



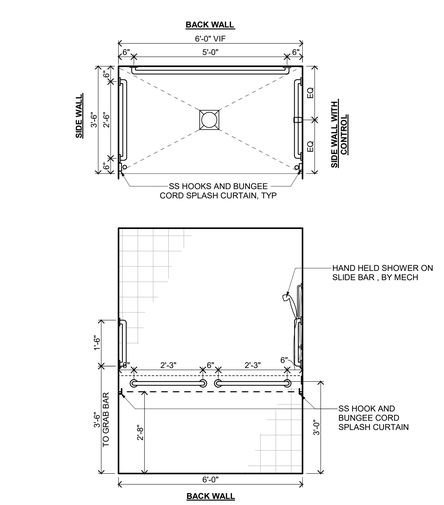
C6 INT DTL - TYP MOUNTING HEIGHTS
1/2" = 1'-0" — 0 — 1'-6" — 3'

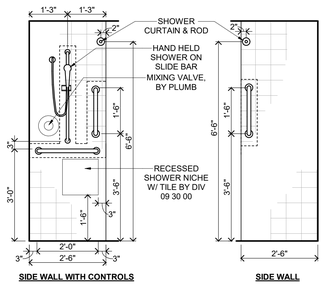


F1 INT DTL - TOILET RMS - RESIDENT SHOWER STALL
1/2" = 1'-0" — 0 — 1'-6" — 3'

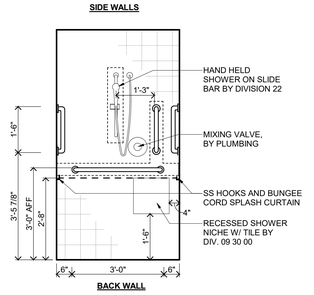


F2 INT DTL - TOILET RMS - SPA SHOWER
1/2" = 1'-0" — 0 — 1'-6" — 3'

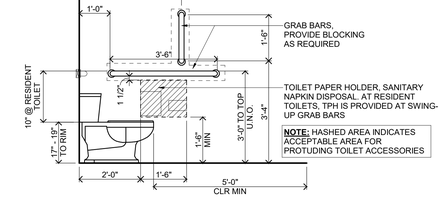




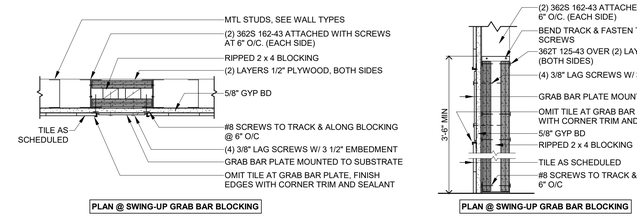
F4 INT DTL - TOILET RMS - ADD ALT #2 - SHOWER STALL
1/2" = 1'-0" — 0 — 1'-6" — 3'



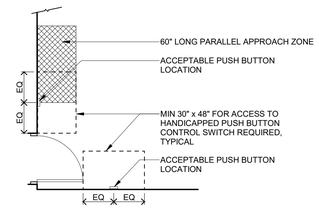
F6 PLAN AT HCAP PUSH BUTTON LOCATIONS
1/4" = 1'-0" — 0 — 3' — 6'



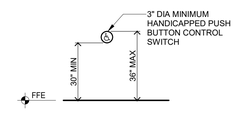
D6 INT DTL - TYP. TOILET ROOM FIXTURE DIMENSIONS
1/2" = 1'-0" — 0 — 1'-6" — 3'



E6 INT DTL - BLOCKING AT SWING UP GRAB BARS
1 1/2" = 1'-0" — 0 — 1/2" — 1'



F6 PLAN AT HCAP PUSH BUTTON LOCATIONS
1/4" = 1'-0" — 0 — 3' — 6'



F7 ELEV AT HCAP PUSH BUTTON
3/8" = 1'-0" — 0 — 2' — 4'

A

Architect Docs 2024/06 - Pelican Valley Senior Living Renovation/246039.rvt - Pelican Valley Senior Living Renovation
1/28/2025 9:11:07 PM

Pelican Valley Senior Living Renovation
211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
MARTIN MECHANICAL DESIGN

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 01/28/2025

Revisions		
Description	Date	Num

Comm: 246039
Date: 01/28/2025
Drawn: CN, JDV
Check: GB
North

GENERAL DETAILS - SYMBOLS, ABBREVIATIONS, MOUNTING HEIGHTS

Scale: As Indicated

A0.001

MN

PER IBC TABLE 705.8
MAXIMUM AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE AND DEGREE OF OPENING PROTECTION

FSD = 3 to less than 5 - 15% (Unprotected, Sprinklered)

FSD = 5 to less than 10 - 25% (Unprotected, Sprinklered)

FSD = 10 to less than 15 - 45% (Unprotected, Sprinklered)

FSD = 15 to less than 20 - 75% (Unprotected, Sprinklered)

FSD = 20 to less than 25 - NO LIMIT (Unprotected, Sprinklered)

ROOM TAG

ROOM NAME
ROOM #
AREA
OCCUPANT LOAD

CODE PLAN LEGEND

COMMON PATH OF TRAVEL

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

EXIT LOAD

OCCUPANT LOAD

OCCUPANT FACTOR

NEW ZERO RATED CORRIDOR
(1018.1 WITH SPRINKLER SYSTEM)

WALLS: LIMIT THE TRANSFER OF SMOKE
FLOORS: LIMIT THE TRANSFER OF SMOKE
OPENINGS: 0 MIN, POSITIVE LATCHING W/ 5/8" UNDERCUT AS SPECIFIED.
NOTE: MAX 1" UNDERCUT PER (NFPA 18.3.6.3.1 SUB 2)
GLAZING: 0 MIN
DUCTWORK: CORRIDOR CANNOT BE USED AS SUPPLY, RETURN, EXHAUST, RELIEF, OR VENTILATION AIR DUCTS.
RETURN AIR PLENUMS ARE ALLOWED. (1018.5.1)

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

1 HOUR FIRE PARTITIONS
(CORRIDORS: 708/ 1018.1, ELEVATOR LOBBIES: 713.14.1)

OPENINGS: DOORS: 20 MIN.
WINDOWS: 45 MIN.
GLAZING: DOORS: UNLIMITED
WINDOWS: 1296 SQ IN MAX, 54" MAX HT, 54" MAX W. OR MAX SIZE TESTED
DUCTWORK: 90 MIN. FIRE/ SMOKE DAMPER

1 HOUR FIRE BARRIER
(EXIT PASSAGEWAYS: 1024.3 /INTERIOR EXIT STAIR: 1023.2 /707 /711)

OPENINGS: 60 MIN.
GLAZING: 100 SQ IN MAX, 33" MAX HT, 10" MAX WIDTH
DUCTWORK: 90 MIN. FIRE DAMPER (NOT REQUIRED WITH DUCTED HVAC)
NOTE: ONLY MECH/ ELEC SERVING SPACE CAN OCCUR WITHIN AREA.

2 HOUR FIRE BARRIER
(SHAFT ENCLOSURES: 707.3.1, HORIZ EXITS: 1025.1 /707 /711, OCCUPANCY SEPARATIONS: 508.4, INTERIOR EXIT STAIRWAY/ EXIT ACCESS STAIRWAY: 1022.2, /707 /711)

DOOR OPENINGS: 90 MIN.
GLAZING: 100 SQ IN MAX, 33" MAX HT, 10" MAX WIDTH
DUCTWORK: 90 MIN. FIRE DAMPER
90 MIN FIRE/ SMOKE DAMPER (AT SHAFT ENCLOSURES)

2 HOUR FIRE WALL
(AREA SEPARATIONS: 706.1, HORIZONTAL EXITS: 1025.1)

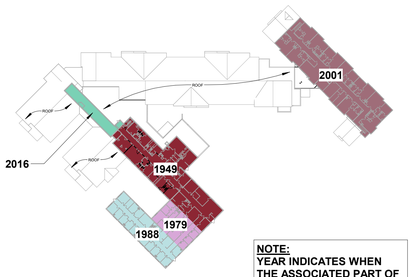
DOOR OPENINGS: 90 MIN.; < 25% LENGTH OF WALL
GLAZING: 90 MIN. 100 SQ. IN. MAX
DUCTWORK: 90 MIN. FIRE DAMPER

X-23 **FIRST FLOOR CODE PLAN**
1/16" = 1'-0"
0 12' 24'

D7 **SMOKE COMPARTMENT DIAGRAM**
1" = 80'-0"
0 60' 120'

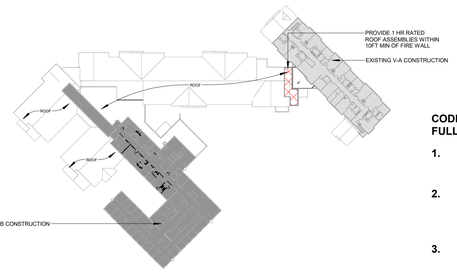
FIRST FLOOR

FIRST FLOOR



NOTE:
YEAR INDICATES WHEN THE ASSOCIATED PART OF THE BUILDING WAS BUILT.

SECOND FLOOR



SECOND FLOOR

F1 **BUILDING VINTAGE PLANS**
1" = 80'-0"
0 60' 120'

F2 **CONSTRUCTION TYPE DIAGRAM**
1" = 80'-0"
0 60' 120'

CODE SUMMARY

PROJECT NAME:	PROJECT DESCRIPTION:
PELICAN VALLEY HEALTH CENTER RENOVATION PELICAN VALLEY HEATH CENTER 211 EAST MILL STREET PELICAN RAPIDS, MINNESOTA 56572	THIS PROJECT INCLUDES THE DEMOLITION OF THE EXISTING SINGLE STORY NURSING HOME BUILDING BETWEEN THE EXISTING ASSISTED LIVING AND HOSPITAL / CLINIC FACILITIES AND THE CONSTRUCTION OF A NEW NURSING HOME WITH 14 RESIDENT BEDS AND SUPPORT FACILITIES. THE PROJECT WILL ALSO INCLUDE A SMALL MECHANICAL PENTHOUSE ON THE SECOND LEVEL ACCESSED THROUGH THE EXISTING HOSPITAL / CLINIC. THE PROJECT WILL BE CARRIED OUT IN TWO PHASES WITH PHASE ONE CONSISTING OF 9 RESIDENT BEDS AND PHASE 2 WILL HAVE THE REMAINING 5 RESIDENT BEDS. PHASE 2 WILL START IMMEDIATELY AFTER THE COMPLETION AND OCCUPANCY FOR PHASE ONE.
APPLICABLE CODES:	**JURISDICTION:**
2018 INTERNATIONAL BUILDING CODE 2018 NFPA 101 LIFE SAFETY CODE 2020 MINNESOTA STATE BUILDING CODE 2024 MINNESOTA COMMERICAL ENERGY CODE 2020 MINNESOTA PLUMBING CODE 2020 MINNESOTA FIRE CODE MINNESOTA ELECTRICAL CODE MINNESOTA NURSING HOME RULES	PELICAN RAPIDS, MINNESOTA

NEW NURSING HOME	EXISTING CLINIC/ SKILLED NURSING	EXISTING ASSISTED LIVING
OCCUPANCY TYPE: I-2 CONDITION 1	OCCUPANCY TYPE: I-2 / B	OCCUPANCY TYPE: R-1
CONSTRUCTION TYPE: II-B(000)	CONSTRUCTION TYPE: II-B	CONSTRUCTION TYPE: V-A
NUMBER OF STORIES: ONE	NUMBER OF STORIES: TWO	NUMBER OF STORIES: TWO
FULLY SPRINKLERED	FULLY SPRINKLERED	FULLY SPRINKLERED
ALLOWABLE AREA 44,000 SF	EXISTING	EXISTING
ACTUAL FLOOR AREA 15,000 SF	EXISTING	EXISTING

PLUMBING FIXTURE REQUIREMENTS	PLUMBING FIXTURES PROPOSED
NURSING HOME CARE REQUIREMENTS:	**NURSING HOME CARE REQUIREMENTS:**
WC: 1 PER ROOM	WC: 1 PER ROOM
LAV: 1 PER ROOM	LAV: 1 PER ROOM
BATH/SHOWER: 1 PER 20	BATH/SHOWER: 1 EXISTING TUB, 1 NEW TUB, 1 NEW SHOWER 1 PER EACH RESIDENT ROOM
DRINKING FOUNTAINS: 1 PER 100	DRINKING FOUNTAINS: WAIVER SUBMITTED TO MDH
OTHER: 1 SERVICE SINK	OTHER: 1 NEW SERVICE SINK (BOTH PHASES)
EMPLOYEES:	EMPLOYEES:
WC: 1 PER 25	WC: 1 PER 25 MIN
LAV: 1 PER 35	LAV: 1 PER 35 MIN
BATH/SHOWERS: NA	BATH/SHOWERS: NA
DRINKING FOUNTAINS: 1 PER 100	DRINKING FOUNTAINS: WAIVER SUBMITTED TO MDH
VISITORS:	VISITORS:
WC: 1 PER 75	WC: 1 PER 75 MIN
LAV: 1 PER 100	LAV: 1 PER 100 MIN
BATH/SHOWER: NA	BATH/SHOWER: NA
DRINKING FOUNTAINS: 1 PER 500	DRINKING FOUNTAINS: WAIVER SUBMITTED TO MDH

BUILDING ENVELOPE REQUIREMENTS	
SLOPED ROOF	R-49 MIN
LOW-SLOPE ROOF	R-30 MIN
STUD WALL	R-13+7.5 CI MIN
FOUNDATION WALL	R-7.5 CI MIN
OPAQUE DOORS	U-0.470 MIN
FIXED GLAZING ASSEMBLIES	U-0.31 SHGC-0.32 MIN
OPERABLE GLAZING ASSEMBLIES	U-31 SHGC-0.32 MIN

FIRE RESISTANCE RATINGS

WALLS	NEW NURSING HOME	EXISTING HOSPITAL / CLINIC	EXISTING ASSISTED LIVING
EXTERIOR - BEARING	0	NO	1
FIRE BARRIER	2	2	2
SHAFT ENCLOSURE	0	1	2
FIRE PARTITION	1	NO	1
SMOKE PARTITION	0	NO	NO
SMOKE BARRIER	1	NO	NO
FLOOR/CEILING	0	NO	1
ROOF/CEILING	0 OR 1	NO	1

CODE ANALYSIS (MSBC 2020 / IBC 2018)
FULLY SPRINKLERED

1. OCCUPANCY CLASSIFICATIONS — SECTION 302

SECTION 308, INSTITUTIONAL: GROUP I-2, NURSING HOME - CONDITION 1 (MN SBC308.3.1.1)

2. INCIDENTAL USE AREAS — TABLE 509

GROUP I-2 WASTE AND LINEN COLLECTION ROOMS — 1 HR
WASTE AND LINEN COLLECTION ROOMS OVER 100 S.F. — 1 HR OR SPRINKLER AND CONST. RESISTING SMOKE

3. MIXED OCCUPANCIES — SECTION 508

A. SEPARATIONS — TABLE 508.4

1.	GROUP I-2 TO R-1	2 HR FIRE WALL
2.	GROUP I-2 TO I-2	1 HR SMOKE
3.	GROUP 1-2 TO B	2 HR FIRE WALL

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. (303.1.1) 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

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 AND ELEVATOR SHAFTS (707.3.1 / 713.4)	1 HR < 4 STORIES; 2 HR = 4 STORIES +
CORRIDORS (TABLE 1020 / 708)	__ HR
EXIT ACCESS STAIRWAY (1009.3)	2 STORIES UNENCLOSED (EXCEPTION 1)
INTERIOR EXIT STAIRWAY (1023)	1 HR < 4 STORIES, 2 HR = 4 STORIES +

5. GENERAL BUILDING HEIGHT AND AREA — SECTION 506

A. ALLOWABLE HEIGHT AND AREAS

GROUP	CONST TYPE TABLE 601	ALLOWABLE HEIGHT TABLE 504.3	ALLOWABLE NUMBER OF STORIES	ALLOWABLE AREA TABLE 506.2	MOST RESTRICTIVE NON-SEPARATED OCCUPANCY 508.3
I-2	II B	55 FT	3 STORIES	14,500 S.F.	

6. ALLOWABLE AREA MODIFICATIONS — SECTION 506

A. SINGLE OCCUPANCY, ONE-STORY BUILDING 506.2.1

GROUP I-2

1. EQUATION 5-1 (506.2.1) :
A(a) = A(t) + [NS * I/f)]
A(a) = 40,000 + [11,000 * 0.66]
A(a) = 51,260 SF

GROUP		
1-2	NEW BUILDING	
	1ST FLOOR	15,555 SF
	EXISTING 2016 BUILDING	
	1ST FLOOR	9,410 SF
	PENTHOUSE	1,316 SF
	EXISTING 1949 BUILDING	
	2ND FLOOR	5,328 SF
	TOTAL FIRST FLOOR	**24,965 SF**
	TOTAL SECOND FLOOR + PENTHOUSE	**10,726 SF**
R-1	EXISTING ASSISTED LIVING	
	1ST FLOOR	10,935 SF
	2ND FLOOR	9,634 SF
	TOTAL	**20,578 SF**
B	EXISTING 1988, 1979, 1949 BUILDING (CLINIC)	
	1ST	7,478 SF
	2ND	8,268 SF
	TOTAL	**15,746 SF**

7. MEANS OF EGRESS — CHAPTER 10

A. TRAVEL DISTANCES/ EXIT SYSTEMS

1. COMMON PATH OF EGRESS TRAVEL (TABLE 1006.2.1) = 75 FT.
(TO A POINT WHERE OCCUPANT HAS TWO MEANS OF EGRESS.)
2. EXIT ACCESS TRAVEL DISTANCE — TABLE 1017.2
(TRAVEL DISTANCE TO AN EXIT OR A RATED EXIT SYSTEM.)

OCCUPANCY	W/O SPRINKLER	W/ SPRINKLER
I-2	NOT PERMITTED	200

3. CORRIDORS — 1020
A. MINIMUM WIDTH (TABLE 1020.2) = 8 FT CLEAR AND UNOBSTRUCTED
**WHERE REQUIRED FOR BED MOVEMENT, SEE IBC 1005.7.2 & 1012.8 FOR EXCEPTIONS
***WHERE BED MOVEMENT NOT REQUIRED, SEE NFPA 101 18.2.3.4 FOR EXCEPTIONS
B. CROSS-CORRIDOR DOOR OPENINGS MUST HAVE CLEAR WIDTH NOT LESS THAN 6 FT 11 IN COMBINED, NOT LESS THAN 41 1/2 IN FOR SINGLE DOOR (NFPA 101)
C. DEAD ENDS (1020.4): 20 FT
D. TWO EXIT OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHAL BE PROVIDED WHERE MAX. OCCUP. LOAD EXCEEDS 10.

8. SMOKE COMPARTMENTS — NFPA 101 18.3.7

SUBDIVISION OF BUILDING SPACES INTO SMOKE COMPARTMENTS (NFPA 101 18.3.7)
1. EVERY STORY USED BY INPATIENTS FOR SLEEPING OR TREATMENT TO BE DIVIDED INTO 2+ SMOKE COMPARTMENTS
2. SIZE OF SMOKE COMPARTMENT NOT TO EXCEED 22,500 SF IN AREA
3. TRAVEL DISTANCE FROM ANY POINT TO REACH A DOOR IN THE REQUIRED SMOKE BARRIER NOT TO EXCEED 200 FT
4.TRAVEL DISTANCE TO A DOOR REQUIRED FOR EXIT ACCESS FROM ANY ROM WITH ONE DOOR NOT TO EXCEED 75 FT
5. DOES NOT APPLY TO STORIES WITHOUT A HEALTH CODE OCCUPANCY
6. SMOKE BARRIER SHALLBE CONSTRUCTED IN ACCORDANCE WITH NFPA 101.8.5 WITH A MINIMUM 1 HR FIRE RESISTANCE
7. SMOKE DAMPERS NOT REQ'D IN DUCT PENETRATIONS OF SMOKE BARRIERS IN FULLY DUCTED HEATING, VENTILATING, AND AC SYSTEMS
8.ANY DOOR IN AN EXIST PASSAGEWAY, STAIRWAY ENCLOSURE, HORIZ. EXIT, SMOKE BARRIER, OR OTHER HAZARD AREA CANBE HELD OPEN BY A DEVICE THAT WILL AUTOMATICALLY ENGAGE TO CLOSE THE DOOR BY THE AUTOMATIC SPRINKLER AND FIRE ALARM SYSTEM THROUGHOUT THE BUILDING OR SMOKE COMPARTMENT

9. WALL AND CEILING FINISHES — TABLE 803.13

SPRINKLERED

GROUP	EXIT ENCLOSURES AND EXIT PASSAGEWAYS	CORRIDORS	ROOMS AND ENCLOSED SPACES	ROOMS AND ENCLOSED SPACES - 4 OR FEWER OCC
NEW HEALTHCARE	A	A/B*	A	B

* CORRIDOR WALL FINISH UP TO 48" A.F.F. PERMITTED TO BE CLASS A OR B.

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN

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 **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

North

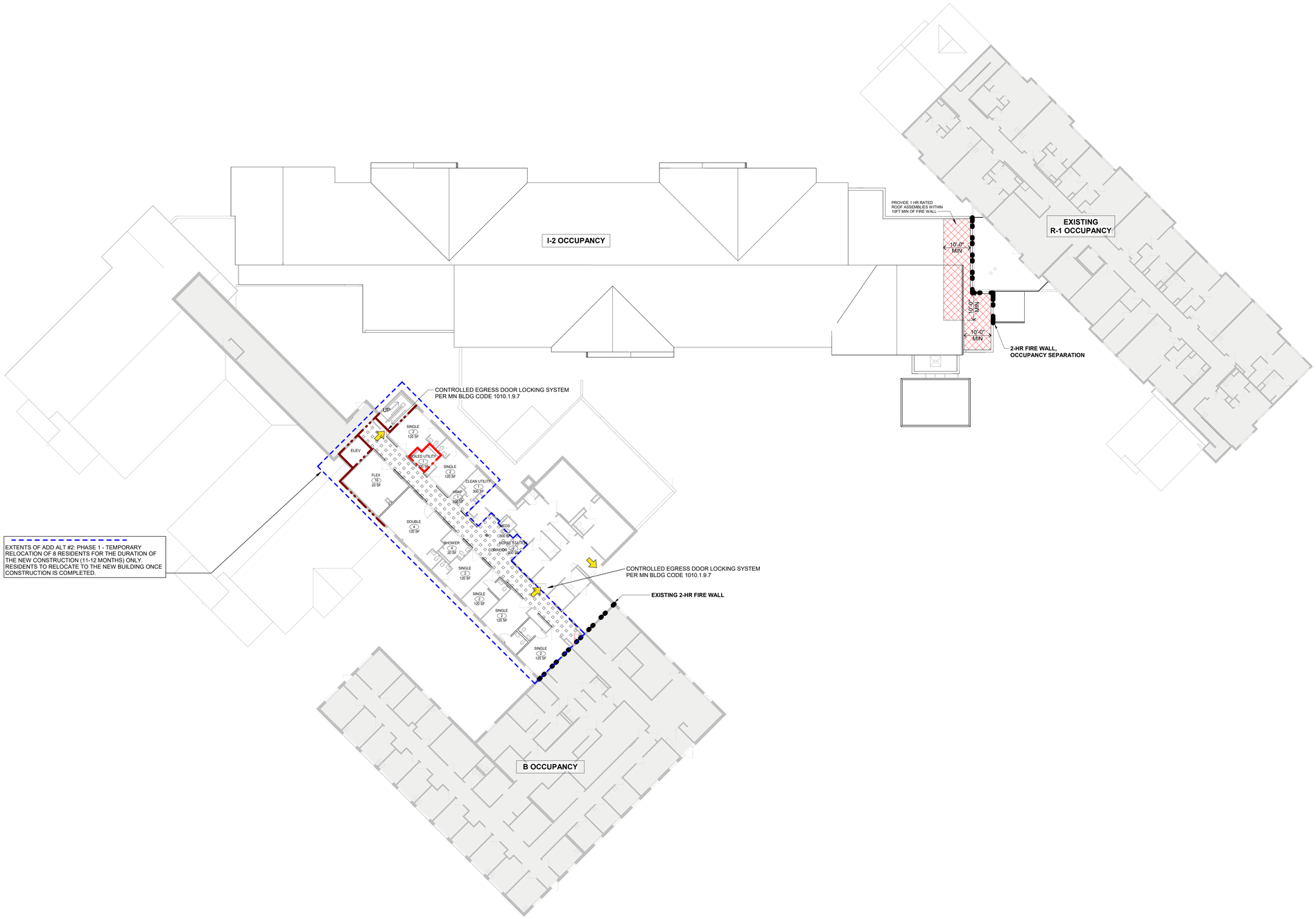
Scale: **As Indicated**

CODE PLAN - FIRST FLOOR

A0.002

A

MN



E1 **SECOND FLOOR CODE PLAN**
1/16" = 1'-0"
0 12' 24'

A

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation
1/28/2025 8:47:28 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
MARTIN MECHANICAL DESIGN

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 **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**
North

CODE PLAN - SECOND FLOOR

Scale: **1/16" = 1'-0"**

A0.003

MN

LEGEND

- Amenities
- Corridor
- Resident Rooms
- Staff Space
- Storage
- Toilet

F1 OVERALL FIRST FLOOR PLAN
1/16" = 1'-0"
0 12' 24'

A

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation_central.rvt
1/28/2025 8:12:47 PM

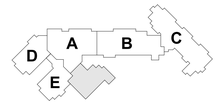
Pelican Valley Senior Living Renovation
211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
MARTIN MECHANICAL DESIGN



KEY PLAN
FIRST FLOOR

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 **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

North

OVERALL FIRST FLOOR PLAN - FOR REFERENCE ONLY

Scale: **1/16" = 1'-0"**

A0.100

MN

F1 **UPPER FLOOR PLAN - REFERENCE ONLY**
1/16" = 1'-0"
0 12' 24'

A

LEGEND

- Amenities
- Corridor
- Resident Rooms
- Staff Space
- Storage
- Toilet

Pelican Valley Senior Living Renovation
211 East Mill Ave,
Pelican Rapids, MN 56572

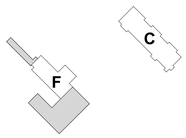
246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN



KEY PLAN
SECOND FLOOR

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 **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**
North

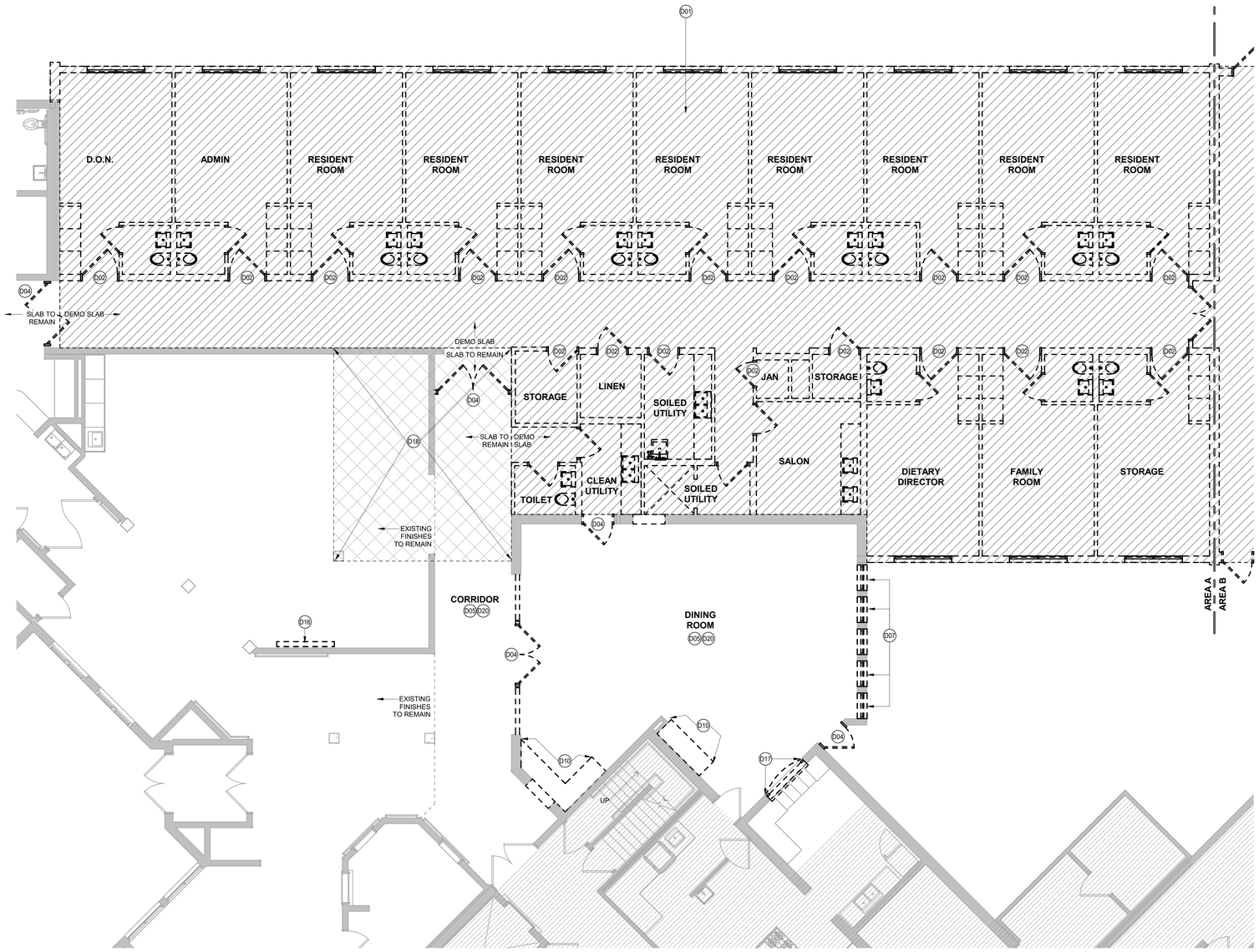
OVERALL SECOND FLOOR PLAN - FOR REFERENCE ONLY

Scale: **1/16" = 1'-0"**

A0.200

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation_25R23.rvt
1/28/2025 9:13:04 PM

MN



F1 **FIRST FLOOR DEMOLITION PLAN AREA A**
3/16" = 1'-0"
0 4" 8"

A

Author: Drew Chisholm P:\Pelican Valley Senior Living Renovation\246039\A1.01a - Pelican Valley Senior Living Renovation.rvt 1/28/2025 8:13:07 PM

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. 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.
3. 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.
4. REFER TO MECHANICAL AND ELECTRICAL FOR ADDITIONAL DEMOLITION NOTES.
5. 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.
6. ALL PATCHING REQUIRED AT/OR ADJACENT TO DEMOLITION WILL BE THE RESPONIBILITY OF THE G.C.
7. DASHED LINES INDICATE EXISTING TO BE REMOVED.
8. VERIFY EXISTING & PROPOSED CONDITIONS & DIMENSIONS.
9. 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.
10. 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.
11. REMOVE ALL OR ANY GENERAL, MECHANICAL AND ELECTRICAL MATERIAL NOT NECESSARILY SHOWN, BUT REQUIRED TO BE REMOVED TO COMPLETE WORK.
12. ALL CUTTING AND PATCHING REQUIRED FOR NEW MECHANICAL AND ELECTRICAL WORK IN EXISTING SPACES SHALL BE BY RESPECTIVE CONTRACTORS.
13. CONTRACTOR TO VERIFY WITH OWNER THAT HAZARDOUS MATERIAL SURVEY HAS BEEN COMPLETED FOR MATERIALS TO BE REMOVED/DISTURBED.
14. THE SCHEDULE OF EXISTING FINISHES IS INCLUDED FOR THE CONTRACTORS' BENEFIT ONLY. THE CONTRACTOR SHALL VERIFY ALL EXISTING FINISHES AND CONDITIONS BEFORE CONSTRUCTION BEGINS .
15. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK PHASING AND SEQUENCING WITH OWNER PRIOR TO START OF CONSTRUCTION.
16. ERECT DUST-PROOF PARTITIONS AS REQUIRED BY OWNER AND FIRE MARSHALL TO PROTECT ADJACENT AREA DURING CONSTRUCTION
17. MAINTAIN ALL REQUIRED EXITS AND MEANS OF EGRESS DURING CONSTRUCTION
18. PROTECT ALL MECHANICAL AND ELECTRICAL SERVICES AS REQUIRED TO REMAIN IN OPERATION.
19. 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.
20. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR SCOPE AND EXTENT OF MECHANICAL AND ELECTRICAL WORK
21. 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.
22. EXISTING BUILDING COMPONENTS TO REMAIN ARE DAMAGED DURING DEMOLITION SHALL BE PATCHED TO MATCH ADJACENT EXISTING MATERIAL/FINISHES.
23. COORDINATE WITH OWNER THE STORAGE OF EXISTING ITEMS TO BE RELOCATED
24. VERIFY EXISTING SPRINKLER SYSTEM WITH SPRINKLER CONTRACTOR PRIOR TO ANY DEMOLITION. SPRINKLER CONTRACTOR TO MODIFY AND MAINTAIN SYSTEM CODE REQUIREMENTS THROUGHOUT THE PROJECT
25. 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.
26. CONTRACTOR SHALL REMOVE EXISTING OWNERS WALL MOUNTED ITEMS & NON-FIXED FURNITURE OR EQUIPMENT AND TURN OVER TO OWNER'S STOCK IN DEMOLITION AREAS .
27. CONTRACTOR SHALL REMOVE EXISTING GYPSUM BOARD FROM FLOOR TO STRUCTURE WHERE WALL CALLS FOR NEW GYPSUM BOARD.

DEMOLITION PLAN KEY NOTES:

001 DEMOLISH EXISTING PORTION OF BUILDING IN ITS ENTIRETY, INCLUDING ALL FLOORS/ SLABS, CEILINGS, WALLS, DOORS, WINDOWS, ROOF/ STRUCTURE, FOOTINGS, CASEWORK, ETC. COORDINATE REMOVAL OF EXISTING ITEMS WITH OWNER BEFORE DEMOLITION. COORDINATE DEMOLITION EXTENTS W/ MECH, ELEC, STRUCT, AND NEW WORK INDICATED ON FLOOR PLANS. HATCHED AREA INDICATES EXTENTS OF COMPLETE DEMOLITION. NOTE: ADRESS SPECIFICALLY PLACED DEMO NOTES PLACED WITHIN THE HATCHED AREA FROM ALL DICIPLINES BEFORE COMPLETE DEMOLITION.

002 PRIOR TO BUILDING DEMOLITION, REMOVE AND SALVAGE DOOR HANDLE/ LEVER HARDWARE IN ITS ENTIRETY FOR REUSE IN SECOND FLOOR SCOPE.

003 PRIOR TO BUILDING DEMOLITION, REMOVE NURSE STATION DESK AND RELOCATE TO SECOND FLOOR NURSE STATION OR LOCATION AS DIRECTED BY OWNER.

004 REMOVE EXISTING DOOR, FRAME, AND ASSOCIATED HARDWARE.

005 REMOVE EXISTING WALL FINISHES, FLOOR FINISHES, AND ADHESIVES AS REQUIRED FOR NEW FINISHES, SEE FINISH PLAN.

006 REMOVE EXISTING RECESSED CARPET, GRATE, FLOOR TILE, AND TILE BASE IN ITS ENTIRETY

007 REMOVE EXISTING WINDOW, FRAME, AND ASSOCIATED HARDWARE.

008 REMOVE EXISTING GYP AND/OR LAY-IN (ACT) CEILING ASSEMBLY, INCLUDING GRIDS, HANGERS, PERIMETER TRIM, ETC COMPLETE - COORDINATE WITH MECHANICAL AND ELECTRICAL.

009 REMOVE EXISTING EXTERIOR CANOPY IN ITS ENTIRETY.

010 REMOVE EXISTING CASEWORK AND COUNTERTOP IN THEIR ENTIRETY.

011 ADD ALT #1: REMOVE EXISTING FLOORING AND BASE. PREP FOR NEW FINISHES.

012 REMOVE RAILING AND ASSOCIATED HARDWARE, DECKING BOARDS AND SLEEPERS, INSULATION, AND ROOFING MEMBRANE. EXISTING DECK SHEATHING AND STRUCTURE BELOW TO REMIAIN. COORDINATE W/ NEW WORK.

013 REMOVE EXISTING SIDING TO EXTENTS NEEDED FOR NEW FIREWALL, COORDINATE WITH FLOOR PLAN.

014 REMOVE EXISTING ELECTRONIC DEVICES AND HARDWARE, INCLUDING WANDERGUARD, KEYPAD, AND ACTUATORS. COORD REMOVAL W/ ELEC.

015 REMOVE EXISTING FLOORING AND BASE TO EXTENTS SHOWN, COORDINATE WITH NEW FINISHES

016 REMOVE AND SALVAGE EXISTING STAINED GLASS FOR REINSTALLATION. SEE PLANS FOR LOCATION AND DETAILS.

017 REMOVE EXISTING COILING DOOR SYSTEM IN ITS ENTIRETY AND PORTION OF SERVING COUNTERTOP AS SHOWN. COORDINATE W/ ELEC FOR DISCONNECT.

018 REMOVE EXISTING GYP AND/OR LAY-IN (ACT) CEILING ASSEMBLY, INCLUDING GRIDS, HANGERS, PERIMETER TRIM, ETC - AS REQUIRED FOR NEW STRUCTURE, HATCH SHOWS APPROXIMATE EXTENTS. COORDINATE WITH MECH, ELEC, AND STRUCT. REMOVE TO THE NEAREST FULL TILE AND SALVAGE TILES FOR REINSTALLATION.

019 REMOVE ROOF AND ASSOCIATED STRUCTURE AS SHOWN. COORDINATE W/ NEW WORK.

020 TEMPORARILY REMOVE AND REINSTALL WALL MOUNTED DEVICES AS REQ'D FOR NEW CONTINUOUS FINISH. SEE FINISH PLANS.

021 NOT USED

022 NOT USED

023 NOT USED

024 NOT USED

025 ADD ALT #2 - REMOVE RECESSED SND. INFILL WILL WALL OF SAME CONSTRUCTION.

026 ADD ALT #2 - REMOVE EXISTING WALL FINISHES, FLOOR FINISHES, AND ADHESIVES AS REQUIRED FOR NEW FINISHES, SEE FINISH PLAN.

027 ADD ALT #2 - REMOVE EXISTING CASEWORK AND COUNTERTOP IN THEIR ENTIRETY.

028 ADD ALT #2 - REMOVE PLUMBING FIXTURE IN ITS ENTIRETY, REFER TO MECHANICAL FOR REMOVAL AND DISCONNECT OF FIXTURES.

029 ADD ALT #2 - REMOVE EXISTING DOOR, FRAME, AND ALL ASSOCIATED HARDWARE.

030 ADD ALT #2 - REMOVE DOOR AND ALL ASSOCIATED HARDWARE. FRAME TO REMAIN.

031 ADD ALT #2 - REMOVE EXISTING ACT TILES. EXISTING GRID TO REMAIN. COORDINATE W/ RCP.

032 ADD ALT #2 - REMOVE EXISTING BORROWED LITE WINDOW, FRAME, AND ALL ASSOCIATED HARDWARE.

033 ADD ALT #2 - REMOVE EXISTING TOILET ACCESORIES, INCLUDING GRAB BARS, TOWEL BARS, MIRROR, PAPER TOWEL, AND SOAP DISPENSER. SALVAGE FOR REINSTALLATION.

034 ADD ALT #2 - REMOVE GYP BOARD FROM FLOOR TO CEILING THIS ENTIRE WALL. REMOVE EXISTING WALL MOUNTED VANITY LIGHT AND SALVAGE FOR REINSTALLATION.

035 ADD ALT #2 - REMOVE ALL WALL MOUNTED ITEMS INCLUDING GRAB BARS, SHOWER RODS, ETC. RETURN TO OWNER.

036 ADD ALT #2 - REMOVE AND SALVAGE DOOR HANDLE FOR REINSTALLATION AT DOOR A213. REFER TO DOOR SCHEDULE.

037 ADD ALT #2 - REMOVE EXISTING DOOR, FRAME, AND ALL ASSOCIATED HARDWARE. SALVAGE FOR REINSTALLATION AS SHOWN ON FLOOR PLAN.

038 ADD ALT #2 - REMOVE EXISTING DOOR HARDWARE AS NOTED ON DOOR SCHEDULE. FULLY COORDINATE WITH DOOR AND HARDWARE SCHEDULES

039 ADD ALT #2 - REMOVE FLOOR MOUNTED DOOR STOP. PATCH AND REPAIR FLOOR AS NEEDED FOR NEW FLOORING.

040 ADD ALT #2 - TEMPORARILY REMOVE AND REINSTALL WALL MOUNTED DEVICES AS REQ'D FOR NEW CONTINUOUS FINISH. SEE FINISH PLANS.

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

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

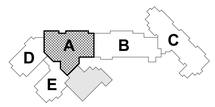
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN



KEY PLAN
FIRST FLOOR

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 01/28/2025

Revisions		
Description	Date	Num

Comm: 246039
Date: 01/28/2025
Drawn: CN, JDV
Check: GB

North

Scale: As Indicated

FIRST FLOOR DEMOLITION PLAN - AREA A

A1.01a

MN

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. 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.
3. 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.
4. REFER TO MECHANICAL AND ELECTRICAL FOR ADDITIONAL DEMOLITION NOTES.
5. 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.
6. ALL PATCHING REQUIRED AT/OR ADJACENT TO DEMOLITION WILL BE THE RESPONIBILITY OF THE G.C.
7. DASHED LINES INDICATE EXISTING TO BE REMOVED.
8. VERIFY EXISTING & PROPOSED CONDITIONS & DIMENSIONS.
9. 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.
10. 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 .
11. REMOVE ALL OR ANY GENERAL, MECHANICAL AND ELECTRICAL MATERIAL NOT NECESSARILY SHOWN, BUT REQUIRED TO BE REMOVED TO COMPLETE WORK.
12. ALL CUTTING AND PATCHING REQUIRED FOR NEW MECHANICAL AND ELECTRICAL WORK IN EXISTING SPACES SHALL BE BY RESPECTIVE CONTRACTORS.
13. CONTRACTOR TO VERIFY WITH OWNER THAT HAZARDOUS MATERIAL SURVEY HAS BEEN COMPLETED FOR MATERIALS TO BE REMOVED/DISTURBED.
14. THE SCHEDULE OF EXISTING FINISHES IS INCLUDED FOR THE CONTRACTORS' BENEFIT ONLY. THE CONTRACTOR SHALL VERIFY ALL EXISTING FINISHES AND CONDITIONS BEFORE CONSTRUCTION BEGINS .
15. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK PHASING AND SEQUENCING WITH OWNER PRIOR TO START OF CONSTRUCTION.
16. ERECT DUST-PROOF PARTITIONS AS REQUIRED BY OWNER AND FIRE MARSHALL TO PROTECT ADJACENT AREA DURING CONSTRUCTION
17. MAINTAIN ALL REQUIRED EXITS AND MEANS OF EGRESS DURING CONSTRUCTION
18. PROTECT ALL MECHANICAL AND ELECTRICAL SERVICES AS REQUIRED TO REMAIN IN OPERATION
19. 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.
20. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR SCOPE AND EXTENT OF MECHANICAL AND ELECTRICAL WORK
21. 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.
22. EXISTING BUILDING COMPONENTS TO REMAIN ARE DAMAGED DURING DEMOLITION SHALL BE PATCHED TO MATCH ADJACENT EXISTING MATERIAL/FINISHES.
23. COORDINATE WITH OWNER THE STORAGE OF EXISTING ITEMS TO BE RELOCATED
24. VERIFY EXISTING SPRINKLER SYSTEM WITH SPRINKLER CONTRACTOR PRIOR TO ANY DEMOLITION. SPRINKLER CONTRACTOR TO MODIFY AND MAINTAIN SYSTEM CODE REQUIREMENTS THROUGHOUT THE PROJECT
25. 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.
26. CONTRACTOR SHALL REMOVE EXISTING OWNERS WALL MOUNTED ITEMS & NON-FIXED FURNITURE OR EQUIPMENT AND TURN OVER TO OWNER'S STOCK IN DEMOLITION AREAS .
27. CONTRACTOR SHALL REMOVE EXISTING GYPSUM BOARD FROM FLOOR TO STRUCTURE WHERE WALL CALLS FOR NEW GYPSUM BOARD.

DEMOLITION PLAN KEY NOTES:

D01 DEMOLISH EXISTING PORTION OF BUILDING IN ITS ENTIRETY, INCLUDING ALL FLOORS/ SLABS, CEILINGS, WALLS, DOORS, WINDOWS, ROOF/ STRUCTURE, FOOTINGS, CASEWORK, ETC.. COORDINATE REMOVAL OF EXISTING ITEMS WITH OWNER BEFORE DEMOLITION. COORDINATE DEMOLITION EXTENTS W/ MECH, ELEC, STRUCT, AND NEW WORK INDICATED ON FLOOR PLANS. HATCHED AREA INDICATES EXTENTS OF COMPLETE DEMOLITION. NOTE: ADRESS SPECIFICALLY PLACED DEMO NOTES PLACED WITHIN THE HATCHED AREA FROM ALL DICIPLINES BEFORE COMPLETE DEMOLITION.

D02 PRIOR TO BUILDING DEMOLITION, REMOVE AND SALVAGE DOOR HANDLE/ LEVER HARDWARE IN ITS ENTIRETY FOR REUSE IN SECOND FLOOR SCOPE.

D03 PRIOR TO BUILDING DEMOLITION, REMOVE NURSE STATION DESK AND RELOCATE TO SECOND FLOOR NURSE STATION OR LOCATION AS DIRECTED BY OWNER.

D04 REMOVE EXISTING DOOR, FRAME, AND ASSOCIATED HARDWARE.

D05 REMOVE EXISTING WALL FINISHES, FLOOR FINISHES, AND ADHESIVES AS REQUIRED FOR NEW FINISHES, SEE FINISH PLAN.

D06 REMOVE EXISTING RECESSED CARPET, GRATE, FLOOR TILE, AND TILE BASE IN ITS ENTIRETY

D07 REMOVE EXISTING WINDOW, FRAME, AND ASSOCIATED HARDWARE.

D08 REMOVE EXISTING GYP AND/OR LAY-IN (ACT) CEILING ASSEMBLY, INCLUDING GRIDS, HANGERS, PERIMETER TRIM, ETC COMPLETE - COORDINATE WITH MECHANICAL AND ELECTRICAL.

D09 REMOVE EXISTING EXTERIOR CANOPY IN ITS ENTIRETY.

D10 REMOVE EXISTING CASEWORK AND COUNTERTOP IN THEIR ENTIRETY.

D11 ADD ALT #1: REMOVE EXISTING FLOORING AND BASE. PREP FOR NEW FINISHES.

D12 REMOVE RAILING AND ASSOCIATED HARDWARE, DECKING BOARDS AND SLEEPERS, INSULATION, AND ROOFING MEMBRANE. EXISTING DECK SHEATHING AND STRUCTURE BELOW TO REMAIN. COORDINATE W/ NEW WORK.

D13 REMOVE EXISTING SIDING TO EXTENTS NEEDED FOR NEW FIREWALL, COORDINATE WITH FLOOR PLAN.

D14 REMOVE EXISTING ELECTRONIC DEVICES AND HARDWARE, INCLUDING WANDERGUARD, KEYPAD, AND ACTUATORS. COORD REMOVAL W/ ELEC.

D15 REMOVE EXISTING FLOORING AND BASE TO EXTENTS SHOWN, COORDINATE WITH NEW FINISHES

D16 REMOVE AND SALVAGE EXISTING STAINED GLASS FOR REINSTALLATION. SEE PLANS FOR LOCATION AND DETAILS.

D17 REMOVE EXISTING COILING DOOR SYSTEM IN ITS ENTIRETY AND PORTION OF SERVING COUNTERTOP AS SHOWN. COORDINATE W/ ELEC FOR DISCONNECT.

D18 REMOVE EXISTING GYP AND/OR LAY-IN (ACT) CEILING ASSEMBLY, INCLUDING GRIDS, HANGERS, PERIMETER TRIM, ETC - AS REQUIRED FOR NEW STRUCTURE, HATCH SHOWS APPROXIMATE EXTENTS. COORDINATE WITH MECH, ELEC, AND STRUCT. REMOVE TO THE NEAREST FULL TILE AND SALVAGE TILES FOR REINSTALLATION.

D19 REMOVE ROOF AND ASSOCIATED STRUCTURE AS SHOWN. COORDINATE W/ NEW WORK.

D20 TEMPORARILY REMOVE AND REINSTALL WALL MOUNTED DEVICES AS REQ'D FOR NEW CONTINUOUS FINISH. SEE FINISH PLANS.

D21 NOT USED

D22 NOT USED

D23 NOT USED

D24 NOT USED

D25 ADD ALT #2 - REMOVE RECESSED SND. INFILL WILL WALL OF SAME CONSTRUCTION.

D26 ADD ALT #2 - REMOVE EXISTING WALL FINISHES, FLOOR FINISHES, AND ADHESIVES AS REQUIRED FOR NEW FINISHES, SEE FINISH PLAN.

D27 ADD ALT #2 - REMOVE EXISTING CASEWORK AND COUNTERTOP IN THEIR ENTIRETY.

D28 ADD ALT #2 - REMOVE PLUMBING FIXTURE IN ITS ENTIRETY, REFER TO MECHANICAL FOR REMOVAL AND DISCONNECT OF FIXTURES.

D29 ADD ALT #2 - REMOVE EXISTING DOOR, FRAME, AND ALL ASSOCIATED HARDWARE.

D30 ADD ALT #2 - REMOVE DOOR AND ALL ASSOCIATED HARDWARE. FRAME TO REMAIN.

D31 ADD ALT #2 - REMOVE EXISTING ACT TILES. EXISTING GRID TO REMAIN. COORDINATE W/ RCP.

D32 ADD ALT #2 - REMOVE EXISTING BORROWED LITE WINDOW, FRAME, AND ALL ASSOCIATED HARDWARE.

D33 ADD ALT #2 - REMOVE EXISTING TOILET ACCESORIES, INCLUDING GRAB BARS, TOWEL BARS, MIRROR, PAPER TOWEL, AND SOAP DISPENSER. SALVAGE FOR REINSTALLATION.

D34 ADD ALT #2 - REMOVE GYP BOARD FROM FLOOR TO CEILING THIS ENTIRE WALL. REMOVE EXISTING WALL MOUNTED VANITY LIGHT AND SALVAGE FOR REINSTALLATION.

D35 ADD ALT #2 - REMOVE ALL WALL MOUNTED ITEMS INCLUDING GRAB BARS, SHOWER RODS, ETC. RETURN TO OWNER.

D36 ADD ALT #2 - REMOVE AND SALVAGE DOOR HANDLE FOR REINSTALLATION AT DOOR A213. REFER TO DOOR SCHEDULE.

D37 ADD ALT #2 - REMOVE EXISTING DOOR, FRAME, AND ALL ASSOCIATED HARDWARE. SALVAGE FOR REINSTALLATION AS SHOWN ON FLOOR PLAN.

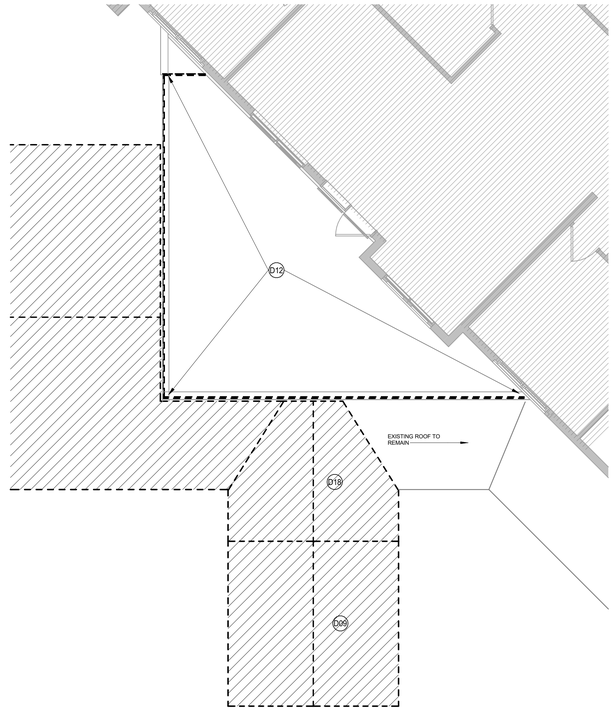
D38 ADD ALT #2 - REMOVE EXISTING DOOR HARDWARE AS NOTED ON DOOR SCHEDULE. FULLY COORDINATE WITH DOOR AND HARDWARE SCHEDULES

D39 ADD ALT #2 - REMOVE FLOOR MOUNTED DOOR STOP. PATCH AND REPAIR FLOOR AS NEEDED FOR NEW FLOORING.

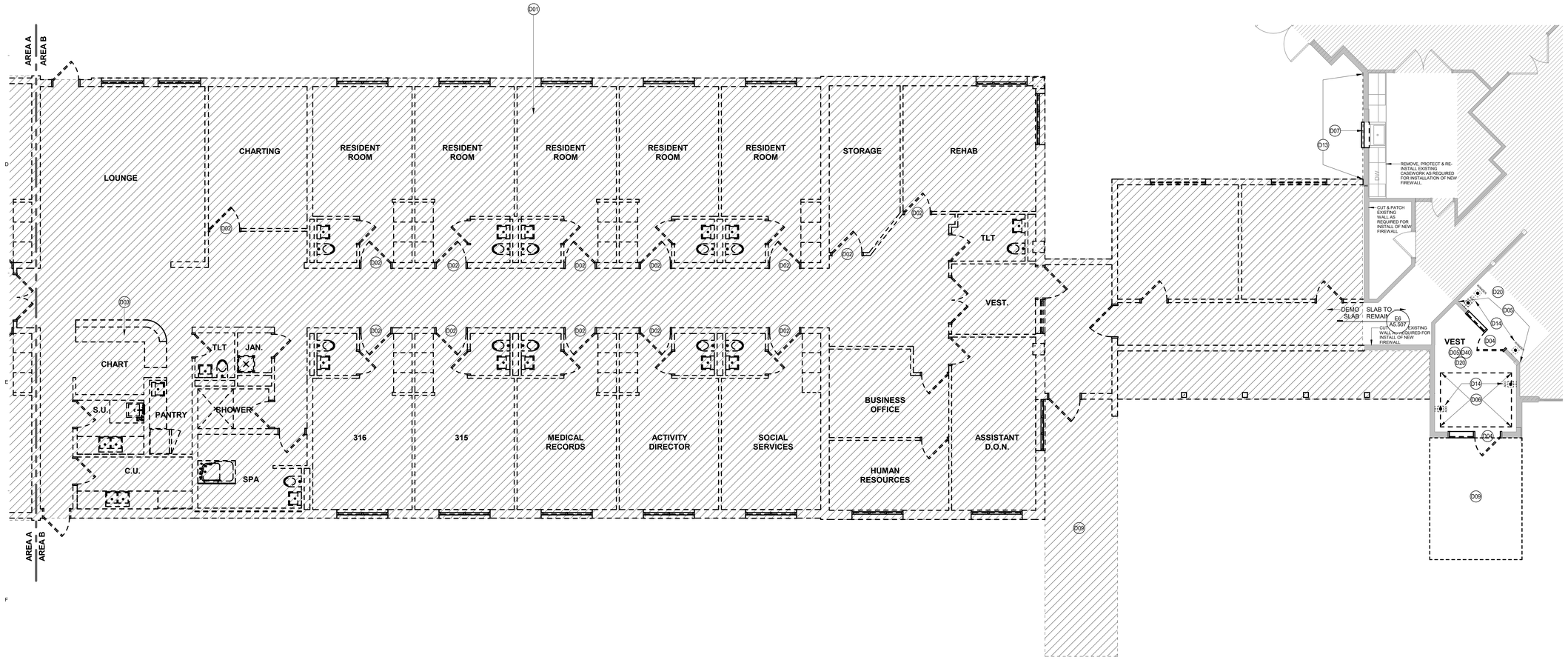
D40 ADD ALT #2 - TEMPORARILY REMOVE AND REINSTALL WALL MOUNTED DEVICES AS REQ'D FOR NEW CONTINUOUS FINISH. SEE FINISH PLANS.

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



C6 SECOND FLOOR DEMOLITION PLAN - AREA B
3/16" = 1'-0"
0 4' 8'



A

F1 FIRST FLOOR DEMOLITION PLAN AREA B
3/16" = 1'-0"
0 4' 8'

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation_Central_24.rvt
1/28/2025 9:13:08 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

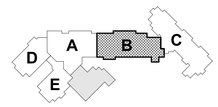
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN



KEY PLAN
FIRST FLOOR

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 01/28/2025

Revisions		
Description	Date	Num

Comm: 246039
Date: 01/28/2025
Drawn: CN, JDV
Check: GB

North

FIRST & SECOND FLOOR DEMOLITION PLAN - AREA B

Scale: As Indicated

A1.01b

MN

A

F1 **SECOND FLOOR DEMOLITION PLAN**
3/16" = 1'-0"
0 4' 8'

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. 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.
3. 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.
4. REFER TO MECHANICAL AND ELECTRICAL FOR ADDITIONAL DEMOLITION NOTES.
5. 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.
6. ALL PATCHING REQUIRED AT/OR ADJACENT TO DEMOLITION WILL BE THE RESPONSIBILITY OF THE G.C.
7. DASHED LINES INDICATE EXISTING TO BE REMOVED.
8. VERIFY EXISTING & PROPOSED CONDITIONS & DIMENSIONS.
9. 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.
10. 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.
11. REMOVE ALL OR ANY GENERAL, MECHANICAL AND ELECTRICAL MATERIAL NOT NECESSARILY SHOWN, BUT REQUIRED TO BE REMOVED TO COMPLETE WORK.
12. ALL CUTTING AND PATCHING REQUIRED FOR NEW MECHANICAL AND ELECTRICAL WORK IN EXISTING SPACES SHALL BE BY RESPECTIVE CONTRACTORS.
13. CONTRACTOR TO VERIFY WITH OWNER THAT HAZARDOUS MATERIAL SURVEY HAS BEEN COMPLETED FOR MATERIALS TO BE REMOVED/DISTURBED.
14. THE SCHEDULE OF EXISTING FINISHES IS INCLUDED FOR THE CONTRACTORS' BENEFIT ONLY. THE CONTRACTOR SHALL VERIFY ALL EXISTING FINISHES AND CONDITIONS BEFORE CONSTRUCTION BEGINS.
15. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK PHASING AND SEQUENCING WITH OWNER PRIOR TO START OF CONSTRUCTION.
16. ERECT DUST-PROOF PARTITIONS AS REQUIRED BY OWNER AND FIRE MARSHALL TO PROTECT ADJACENT AREA DURING CONSTRUCTION
17. MAINTAIN ALL REQUIRED EXITS AND MEANS OF EGRESS DURING CONSTRUCTION
18. PROTECT ALL MECHANICAL AND ELECTRICAL SERVICES AS REQUIRED TO REMAIN IN OPERATION.
19. 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.
20. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR SCOPE AND EXTENT OF MECHANICAL AND ELECTRICAL WORK
21. 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.
22. EXISTING BUILDING COMPONENTS TO REMAIN ARE DAMAGED DURING DEMOLITION SHALL BE PATCHED TO MATCH ADJACENT EXISTING MATERIAL/FINISHES.
23. COORDINATE WITH OWNER THE STORAGE OF EXISTING ITEMS TO BE RELOCATED
24. VERIFY EXISTING SPRINKLER SYSTEM WITH SPRINKLER CONTRACTOR PRIOR TO ANY DEMOLITION. SPRINKLER CONTRACTOR TO MODIFY AND MAINTAIN SYSTEM CODE REQUIREMENTS THROUGHOUT THE PROJECT
25. 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.
26. CONTRACTOR SHALL REMOVE EXISTING OWNERS WALL MOUNTED ITEMS & NON-FIXED FURNITURE OR EQUIPMENT AND TURN OVER TO OWNER'S STOCK IN DEMOLITION AREAS
27. CONTRACTOR SHALL REMOVE EXISTING GYPSUM BOARD FROM FLOOR TO STRUCTURE WHERE WALL CALLS FOR NEW GYPSUM BOARD.

DEMOLITION PLAN KEY NOTES:

D01 DEMOLISH EXISTING PORTION OF BUILDING IN ITS ENTIRETY, INCLUDING ALL FLOORS/ SLABS, CEILINGS, WALLS, DOORS, WINDOWS, ROOF/ STRUCTURE, FOOTINGS, CASEWORK, ETC. COORDINATE REMOVAL OF EXISTING ITEMS WITH OWNER BEFORE DEMOLITION. COORDINATE DEMOLITION EXTENTS W/ MECH, ELEC, STRUCT, AND NEW WORK INDICATED ON FLOOR PLANS. HATCHED AREA INDICATES EXTENTS OF COMPLETE DEMOLITION. NOTE: ADRESS SPECIFICALLY PLACED DEMO NOTES PLACED WITHIN THE HATCHED AREA FROM ALL DICIPLINES BEFORE COMPLETE DEMOLITION.

D02 PRIOR TO BUILDING DEMOLITION, REMOVE AND SALVAGE DOOR HANDLE/ LEVER HARDWARE IN ITS ENTIRETY FOR REUSE IN SECOND FLOOR SCOPE.

D03 PRIOR TO BUILDING DEMOLITION, REMOVE NURSE STATION DESK AND RELOCATE TO SECOND FLOOR NURSE STATION OR LOCATION AS DIRECTED BY OWNER.

D04 REMOVE EXISTING DOOR, FRAME, AND ASSOCIATED HARDWARE.

D05 REMOVE EXISTING WALL FINISHES, FLOOR FINISHES, AND ADHESIVES AS REQUIRED FOR NEW FINISHES, SEE FINISH PLAN.

D06 REMOVE EXISTING RECESSED CARPET, GRATE, FLOOR TILE, AND TILE BASE IN ITS ENTIRETY

D07 REMOVE EXISTING WINDOW, FRAME, AND ASSOCIATED HARDWARE.

D08 REMOVE EXISTING GYP AND/OR LAY-IN (ACT) CEILING ASSEMBLY, INCLUDING GRIDS, HANGERS, PERIMETER TRIM, ETC COMPLETE - COORDINATE WITH MECHANICAL AND ELECTRICAL.

D09 REMOVE EXISTING EXTERIOR CANOPY IN ITS ENTIRETY.

D10 REMOVE EXISTING CASEWORK AND COUNTERTOP IN THEIR ENTIRETY.

D11 ADD ALT #1: REMOVE EXISTING FLOORING AND BASE. PREP FOR NEW FINISHES.

D12 REMOVE RAILING AND ASSOCIATED HARDWARE, DECKING BOARDS AND SLEEPERS, INSULATION, AND ROOFING MEMBRANE. EXISTING DECK SHEATHING AND STRUCTURE BELOW TO REMAIN. COORDINATE W/ NEW WORK.

D13 REMOVE EXISTING SIDING TO EXTENTS NEEDED FOR NEW FIREWALL, COORDINATE WITH FLOOR PLAN.

D14 REMOVE EXISTING ELECTRONIC DEVICES AND HARDWARE, INCLUDING WANDERGUARD, KEYPAD, AND ACTUATORS. COORD REMOVAL W/ ELEC.

D15 REMOVE EXISTING FLOORING AND BASE TO EXTENTS SHOWN, COORDINATE WITH NEW FINISHES

D16 REMOVE AND SALVAGE EXISTING STAINED GLASS FOR REINSTALLATION. SEE PLANS FOR LOCATION AND DETAILS.

D17 REMOVE EXISTING COILING DOOR SYSTEM IN ITS ENTIRETY AND PORTION OF SERVING COUNTERTOP AS SHOWN. COORDINATE W/ ELEC FOR DISCONNECT.

D18 REMOVE EXISTING GYP AND/OR LAY-IN (ACT) CEILING ASSEMBLY, INCLUDING GRIDS, HANGERS, PERIMETER TRIM, ETC - AS REQUIRED FOR NEW STRUCTURE, HATCH SHOWS APPROXIMATE EXTENTS. COORDINATE WITH MECH, ELEC, AND STRUCT. REMOVE TO THE NEAREST FULL TILE AND SALVAGE TILES FOR REINSTALLATION.

D19 REMOVE ROOF AND ASSOCIATED STRUCTURE AS SHOWN. COORDINATE W/ NEW WORK.

D20 TEMPORARILY REMOVE AND REINSTALL WALL MOUNTED DEVICES AS REQ'D FOR NEW CONTINUOUS FINISH. SEE FINISH PLANS.

D21 NOT USED

D22 NOT USED

D23 NOT USED

D24 NOT USED

D25 ADD ALT #2 - REMOVE RECESSED SND. INFILL WILL WALL OF SAME CONSTRUCTION.

D26 ADD ALT #2 - REMOVE EXISTING WALL FINISHES, FLOOR FINISHES, AND ADHESIVES AS REQUIRED FOR NEW FINISHES, SEE FINISH PLAN.

D27 ADD ALT #2 - REMOVE EXISTING CASEWORK AND COUNTERTOP IN THEIR ENTIRETY.

D28 ADD ALT #2 - REMOVE PLUMBING FIXTURE IN ITS ENTIRETY, REFER TO MECHANICAL FOR REMOVAL AND DISCONNECT OF FIXTURES.

D29 ADD ALT #2 - REMOVE EXISTING DOOR, FRAME, AND ALL ASSOCIATED HARDWARE.

D30 ADD ALT #2 - REMOVE DOOR AND ALL ASSOCIATED HARDWARE. FRAME TO REMAIN.

D31 ADD ALT #2 - REMOVE EXISTING ACT TILES. EXISTING GRID TO REMAIN. COORDINATE W/ RCP.

D32 ADD ALT #2 - REMOVE EXISTING BORROWED LITE WINDOW, FRAME, AND ALL ASSOCIATED HARDWARE.

D33 ADD ALT #2 - REMOVE EXISTING TOILET ACCESORIES, INCLUDING GRAB BARS, TOWEL BARS, MIRROR, PAPER TOWEL, AND SOAP DISPENSER. SALVAGE FOR REINSTALLATION.

D34 ADD ALT #2 - REMOVE GYP BOARD FROM FLOOR TO CEILING THIS ENTIRE WALL. REMOVE EXISTING WALL MOUNTED VANITY LIGHT AND SALVAGE FOR REINSTALLATION.

D35 ADD ALT #2 - REMOVE ALL WALL MOUNTED ITEMS INCLUDING GRAB BARS, SHOWER RODS, ETC. RETURN TO OWNER.

D36 ADD ALT #2 - REMOVE AND SALVAGE DOOR HANDLE FOR REINSTALLATION AT DOOR A213. REFER TO DOOR SCHEDULE.

D37 ADD ALT #2 - REMOVE EXISTING DOOR, FRAME, AND ALL ASSOCIATED HARDWARE. SALVAGE FOR REINSTALLATION AS SHOWN ON FLOOR PLAN.

D38 ADD ALT #2 - REMOVE EXISTING DOOR HARDWARE AS NOTED ON DOOR SCHEDULE. FULLY COORDINATE WITH DOOR AND HARDWARE SCHEDULES

D39 ADD ALT #2 - REMOVE FLOOR MOUNTED DOOR STOP. PATCH AND REPAIR FLOOR AS NEEDED FOR NEW FLOORING.

D40 ADD ALT #2 - TEMPORARILY REMOVE AND REINSTALL WALL MOUNTED DEVICES AS REQ'D FOR NEW CONTINUOUS FINISH. SEE FINISH PLANS.

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

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

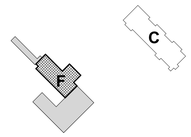
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN



KEY PLAN
SECOND FLOOR

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 **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

North

Scale: **As Indicated**

ADD ALT #2 - SECOND FLOOR DEMOLITION PLAN - AREA F

A1.02f

N:\Wold Files\246039 - Pelican Valley Senior Living Renovation\250101 - Pelican Valley Senior Living Renovation 250101.rvt
1/28/2025 9:12:12 PM

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. 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.
3. 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.
4. REFER TO MECHANICAL AND ELECTRICAL FOR ADDITIONAL DEMOLITION NOTES.
5. 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.
6. ALL PATCHING REQUIRED AT/OR ADJACENT TO DEMOLITION WILL BE THE RESPONIBILITY OF THE G.C.
7. DASHED LINES INDICATE EXISTING TO BE REMOVED.
8. VERIFY EXISTING & PROPOSED CONDITIONS & DIMENSIONS.
9. 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.
10. 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.
11. REMOVE ALL OR ANY GENERAL, MECHANICAL AND ELECTRICAL MATERIAL NOT NECESSARILY SHOWN, BUT REQUIRED TO BE REMOVED TO COMPLETE WORK.
12. ALL CUTTING AND PATCHING REQUIRED FOR NEW MECHANICAL AND ELECTRICAL WORK IN EXISTING SPACES SHALL BE BY RESPECTIVE CONTRACTORS.
13. CONTRACTOR TO VERIFY WITH OWNER THAT HAZARDOUS MATERIAL SURVEY HAS BEEN COMPLETED FOR MATERIALS TO BE REMOVED/DISTURBED.
14. THE SCHEDULE OF EXISTING FINISHES IS INCLUDED FOR THE CONTRACTORS' BENEFIT ONLY. THE CONTRACTOR SHALL VERIFY ALL EXISTING FINISHES AND CONDITIONS BEFORE CONSTRUCTION BEGINS .
15. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK PHASING AND SEQUENCING WITH OWNER PRIOR TO START OF CONSTRUCTION.
16. ERECT DUST-PROOF PARTITIONS AS REQUIRED BY OWNER AND FIRE MARSHALL TO PROTECT ADJACENT AREA DURING CONSTRUCTION
17. MAINTAIN ALL REQUIRED EXITS AND MEANS OF EGRESS DURING CONSTRUCTION
18. PROTECT ALL MECHANICAL AND ELECTRICAL SERVICES AS REQUIRED TO REMAIN IN OPERATION
19. 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.
20. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR SCOPE AND EXTENT OF MECHANICAL AND ELECTRICAL WORK
21. 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.
22. EXISTING BUILDING COMPONENTS TO REMAIN ARE DAMAGED DURING DEMOLITION SHALL BE PATCHED TO MATCH ADJACENT EXISTING MATERIAL/FINISHES.
23. COORDINATE WITH OWNER THE STORAGE OF EXISTING ITEMS TO BE RELOCATED
24. VERIFY EXISTING SPRINKLER SYSTEM WITH SPRINKLER CONTRACTOR PRIOR TO ANY DEMOLITION. SPRINKLER CONTRACTOR TO MODIFY AND MAINTAIN SYSTEM CODE REQUIREMENTS THROUGHOUT THE PROJECT
25. 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.
26. CONTRACTOR SHALL REMOVE EXISTING OWNERS WALL MOUNTED ITEMS & NON-FIXED FURNITURE OR EQUIPMENT AND TURN OVER TO OWNER'S STOCK IN DEMOLITION AREAS .
27. CONTRACTOR SHALL REMOVE EXISTING GYPSUM BOARD FROM FLOOR TO STRUCTURE WHERE WALL CALLS FOR NEW GYPSUM BOARD.

DEMOLITION PLAN KEY NOTES:

(D01) DEMOLISH EXISTING PORTION OF BUILDING IN ITS ENTIRETY, INCLUDING ALL FLOORS/ SLABS, CEILINGS, WALLS, DOORS, WINDOWS, ROOF/ STRUCTURE, FOOTINGS, CASEWORK, ETC. COORDINATE REMOVAL OF EXISTING ITEMS WITH OWNER BEFORE DEMOLITION. COORDINATE DEMOLITION EXTENTS W/ MECH, ELEC, STRUCT, AND NEW WORK INDICATED ON FLOOR PLANS. HATCHED AREA INDICATES EXTENTS OF COMPLETE DEMOLITION. NOTE: ADRESS SPECIFICALLY PLACED DEMO NOTES PLACED WITHIN THE HATCHED AREA FROM ALL DISCIPLINES BEFORE COMPLETE DEMOLITION.

(D02) PRIOR TO BUILDING DEMOLITION, REMOVE AND SALVAGE DOOR HANDLE/ LEVER HARDWARE IN ITS ENTIRETY FOR REUSE IN SECOND FLOOR SPACE.

(D03) PRIOR TO BUILDING DEMOLITION, REMOVE NURSE STATION DESK AND RELOCATE TO SECOND FLOOR NURSE STATION OR LOCATION AS DIRECTED BY OWNER.

(D04) REMOVE EXISTING DOOR, FRAME, AND ASSOCIATED HARDWARE.

(D05) REMOVE EXISTING WALL FINISHES, FLOOR FINISHES, AND ADHESIVES AS REQUIRED FOR NEW FINISHES, SEE FINISH PLAN.

(D06) REMOVE EXISTING RECESSED CARPET, GRATE, FLOOR TILE, AND TILE BASE IN ITS ENTIRETY

(D07) REMOVE EXISTING WINDOW, FRAME, AND ASSOCIATED HARDWARE.

(D08) REMOVE EXISTING GYP AND/OR LAY-IN (ACT) CEILING ASSEMBLY, INCLUDING GRIDS, HANGERS, PERIMETER TRIM, ETC COMPLETE - COORDINATE WITH MECHANICAL AND ELECTRICAL.

(D09) REMOVE EXISTING EXTERIOR CANOPY IN ITS ENTIRETY.

(D10) REMOVE EXISTING CASEWORK AND COUNTERTOP IN THEIR ENTIRETY.

(D11) ADD ALT #1: REMOVE EXISTING FLOORING AND BASE. PREP FOR NEW FINISHES.

(D12) REMOVE RAILING AND ASSOCIATED HARDWARE, DECKING BOARDS AND SLEEPERS, INSULATION, AND ROOFING MEMBRANE. EXISTING DECK SHEATHING AND STRUCTURE BELOW TO REMIAIN. COORDINATE W/ NEW WORK.

(D13) REMOVE EXISTING SIDING TO EXTENTS NEEDED FOR NEW FIREWALL, COORDINATE WITH FLOOR PLAN.

(D14) REMOVE EXISTING ELECTRONIC DEVICES AND HARDWARE, INCLUDING WANDERGUARD, KEYPAD, AND ACTUATORS. COORD REMOVAL W/ ELEC.

(D15) REMOVE EXISTING FLOORING AND BASE TO EXTENTS SHOWN, COORDINATE WITH NEW FINISHES

(D16) REMOVE AND SALVAGE EXISTING STAINED GLASS FOR REINSTALLATION. SEE PLANS FOR LOCATION AND DETAILS.

(D17) REMOVE EXISTING COILING DOOR SYSTEM IN ITS ENTIRETY AND PORTION OF SERVING COUNTERTOP AS SHOWN. COORDINATE W/ ELEC FOR DISCONNECT.

(D18) REMOVE EXISTING GYP AND/OR LAY-IN (ACT) CEILING ASSEMBLY, INCLUDING GRIDS, HANGERS, PERIMETER TRIM, ETC - AS REQUIRED FOR NEW STRUCTURE, HATCH SHOWS APPROXIMATE EXTENTS. COORDINATE WITH MECH, ELEC, AND STRUCT. REMOVE TO THE NEAREST FULL TILE AND SALVAGE TILES FOR REINSTALLATION.

(D19) REMOVE ROOF AND ASSOCIATED STRUCTURE AS SHOWN. COORDINATE W/ NEW WORK.

(D20) TEMPORARILY REMOVE AND REINSTALL WALL MOUNTED DEVICES AS REQ'D FOR NEW CONTINUOUS FINISH. SEE FINISH PLANS.

(D21) NOT USED

(D22) NOT USED

(D23) NOT USED

(D24) NOT USED

(D25) ADD ALT #2 - REMOVE RECESSED SND. INFILL WILL WALL OF SAME CONSTRUCTION.

(D26) ADD ALT #2 - REMOVE EXISTING WALL FINISHES, FLOOR FINISHES, AND ADHESIVES AS REQUIRED FOR NEW FINISHES, SEE FINISH PLAN.

(D27) ADD ALT #2 - REMOVE EXISTING CASEWORK AND COUNTERTOP IN THEIR ENTIRETY.

(D28) ADD ALT #2 - REMOVE PLUMBING FIXTURE IN ITS ENTIRETY, REFER TO MECHANICAL FOR REMOVAL AND DISCONNECT OF FIXTURES.

(D29) ADD ALT #2 - REMOVE EXISTING DOOR, FRAME, AND ALL ASSOCIATED HARDWARE.

(D30) ADD ALT #2 - REMOVE DOOR AND ALL ASSOCIATED HARDWARE. FRAME TO REMAIN.

(D31) ADD ALT #2 - REMOVE EXISTING ACT TILES. EXISTING GRID TO REMAIN. COORDINATE W/ RCP.

(D32) ADD ALT #2 - REMOVE EXISTING BORROWED LITE WINDOW, FRAME, AND ALL ASSOCIATED HARDWARE.

(D33) ADD ALT #2 - REMOVE EXISTING TOILET ACCESORIES, INCLUDING GRAB BARS, TOWEL BARS, MIRROR, PAPER TOWEL, AND SOAP DISPENSER. SALVAGE FOR REINSTALLATION.

(D34) ADD ALT #2 - REMOVE GYP BOARD FROM FLOOR TO CEILING THIS ENTIRE WALL. REMOVE EXISTING WALL MOUNTED VANITY LIGHT AND SALVAGE FOR REINSTALLATION.

(D35) ADD ALT #2 - REMOVE ALL WALL MOUNTED ITEMS INCLUDING GRAB BARS, SHOWER RODS, ETC. RETURN TO OWNER.

(D36) ADD ALT #2 - REMOVE AND SALVAGE DOOR HANDLE FOR REINSTALLATION AT DOOR A213. REFER TO DOOR SCHEDULE.

(D37) ADD ALT #2 - REMOVE EXISTING DOOR, FRAME, AND ALL ASSOCIATED HARDWARE. SALVAGE FOR REINSTALLATION AS SHOWN ON FLOOR PLAN.

(D38) ADD ALT #2 - REMOVE EXISTING DOOR HARDWARE AS NOTED ON DOOR SCHEDULE. FULLY COORDINATE WITH DOOR AND HARDWARE SCHEDULES

(D39) ADD ALT #2 - REMOVE FLOOR MOUNTED DOOR STOP. PATCH AND REPAIR FLOOR AS NEEDED FOR NEW FLOORING.

(D40) ADD ALT #2 - TEMPORARILY REMOVE AND REINSTALL WALL MOUNTED DEVICES AS REQ'D FOR NEW CONTINUOUS FINISH. SEE FINISH PLANS.

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

FLOOR PLAN GENERAL NOTES:

OUT OF SCOPE

1. ALL WALL TYPES TO BE **GA2** UNLESS OTHERWISE NOTED ON PLANS, REFER TO SHEET **A4.700** FOR WALL TYPES.
2. FIELD VERIFY ALL MILLWORK OPENINGS.
3. REFER TO SHEET **A0.001** FOR ABBREVIATIONS, SYMBOLS, AND EQUIPMENT SCHEDULE.
4. REFER TO SHEET **A4.01a** FOR MATERIAL FINISH/COLOR SCHEDULE & INTERIOR SPECIFICATIONS.
5. ALL PLAN DIMENSIONS ARE NOMINAL TO FACE OF WALL. SEE WALL TYPES FOR ACTUAL THICKNESS. VERIFY DIMENSIONS WITH STRUCTURAL.
6. ALL DOOR/ SIDELITE OPENINGS TO BE 4" FROM ADJACENT WALL UNLESS OTHERWISE NOTED.
7. COORDINATE SIZE AND LOCATION OF ALL DUCT AND SHAFT OPENINGS IN WALLS AND FLOORS W/ MECHANICAL AND ELECTRICAL.
8. IN AREA OF CONSTRUCTION, FIRESAFE ALL EXISTING AND NEW WALL PENETRATIONS.
9. AT EXISTING SURFACES AFFECTED BY NEW WORK, PATCH / RESTORE EXISTING FINISHES AS REQUIRED FOR NEW FINISH.
10. 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.
11. FIELD VERIFY ALL DIMENSIONS AND ASBUILT EXISTING CONDITIONS. NOTIFY THE ARCHITECTS IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES OCCUR BEFORE AND/OR DURING CONSTRUCTION.
12. 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.
13. 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.
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. DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR TO VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO COMMENCING THE WORK.
16. SEAL ALL COUNTERTOPS, BACKSPLASHES AND CABINETS AT LOCATIONS WHERE THEY MEET WALLS. SEAL ALL CUT-OUTS IN COUNTERTOPS.
17. ALL CUTTING AND PATCHING REQUIRED FOR NEW MECHANICAL AND ELECTRICAL WORK IN EXISTING SPACES SHALL BE BY THE RESPECTIVE CONTRACTORS.
18. MATCH FINISHED WALL THICKNESS WHERE NEW WALLS OCCUR IN LINE WITH EXISTING WALLS.
19. ERECT DUSTPROOF PARTITIONS AS REQUIRED BY OWNER TO PROTECT ADJACENT AREAS.
20. 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.
21. SEAL AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT PENETRATIONS AT RATED WALLS ABOVE AND BELOW CEILINGS WITH UL APPROVED FIRESTOPPING MATERIAL.
22. 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.
23. 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
24. FIELD VERIFY ALL COLUMNS, REFER TO ARCHITECTURAL DRAWINGS FOR COLUMN WRAPS.
25. **AT AREAS WHERE NEW FIRE ALARM AND NURSE CALL ARE BEING INSTALLED IN EXISTING WALLS OR CEILINGS, REMOVE AND SALVAGE EXISTING CEILING TILES FOR REINSTALLATION. IF TILES ARE DAMAGED, CONTRACTOR TO PROVIDE NEW TILES. ALL GYPSUM BOARD CEILING AND WALLS TO BE PATCHED, REPAIRED, AND PAINTED TO MATCH EXISTING TEXTURE AND FINISH. ALL PENETRATIONS TO BE SEALED. SEE ELECTRICAL FOR EXTENTS.**

FLOOR PLAN KEY NOTES:

(01) AT SHADED AREA RECESS CONCRETE SLAB FOR SHOWER.

(02) ADD ALT #1: INSTALL NEW FLOORING (CPT'1) AND BASE (RB1) AS SHOWN ON PLANS. PAINT ALL WALLS P1 UNLESS OTHERWISE INDICATED ON PLAN. HANDRAILS TO REMAIN.

(03) PATCH WALLS WHERE DEVICES WERE REMOVED. PREP FOR NEW FINISHES.

(04) INFILL CONCRETE SLAB AT EXISTING VESTIBULE GRATE. POUR, DOWEL, LEVEL, AND FEATHER INTO EXISTING SLAB.

(05) RECESSED FIRE EXTINGUISHER CABINET (FEC). INSTALL PER DETAIL AT FULLY RECESSED (FEC) B7/A4.703 AND SEMI-RECESSED PER DETAIL A7/A4.703

(06) EVS MOP SINK AND SHELD. INSTALL PER DETAIL F6/A4.703

(07) RECESSED AED CABINET. INSTALL PER DETAIL A7/A4.703

(08) PATCH AND PAINT WALL AS REQ'D AFTER REMAOVAL OF STAINED GLASS

(09) PATCH AND REPAIR EXISTING WALL AS REQ'D AS DISTURBED BY NEW CONSTRUCTION. MATCH EXISTING WALL FINISH AND CONSTRUCTION.

(09) PATCH AND REPAIR EXISTING WALL AS REQ'D AS DISTURBED BY NEW CONSTRUCTION. MATCH EXISTING WALL FINISH AND CONSTRUCTION.

(10) PROVIDE (1) ADDITIONAL LAYER OF 5/8" GYP BD SO EXTERIOR WALL IS FLUSH WITH INTERIOR WALL.

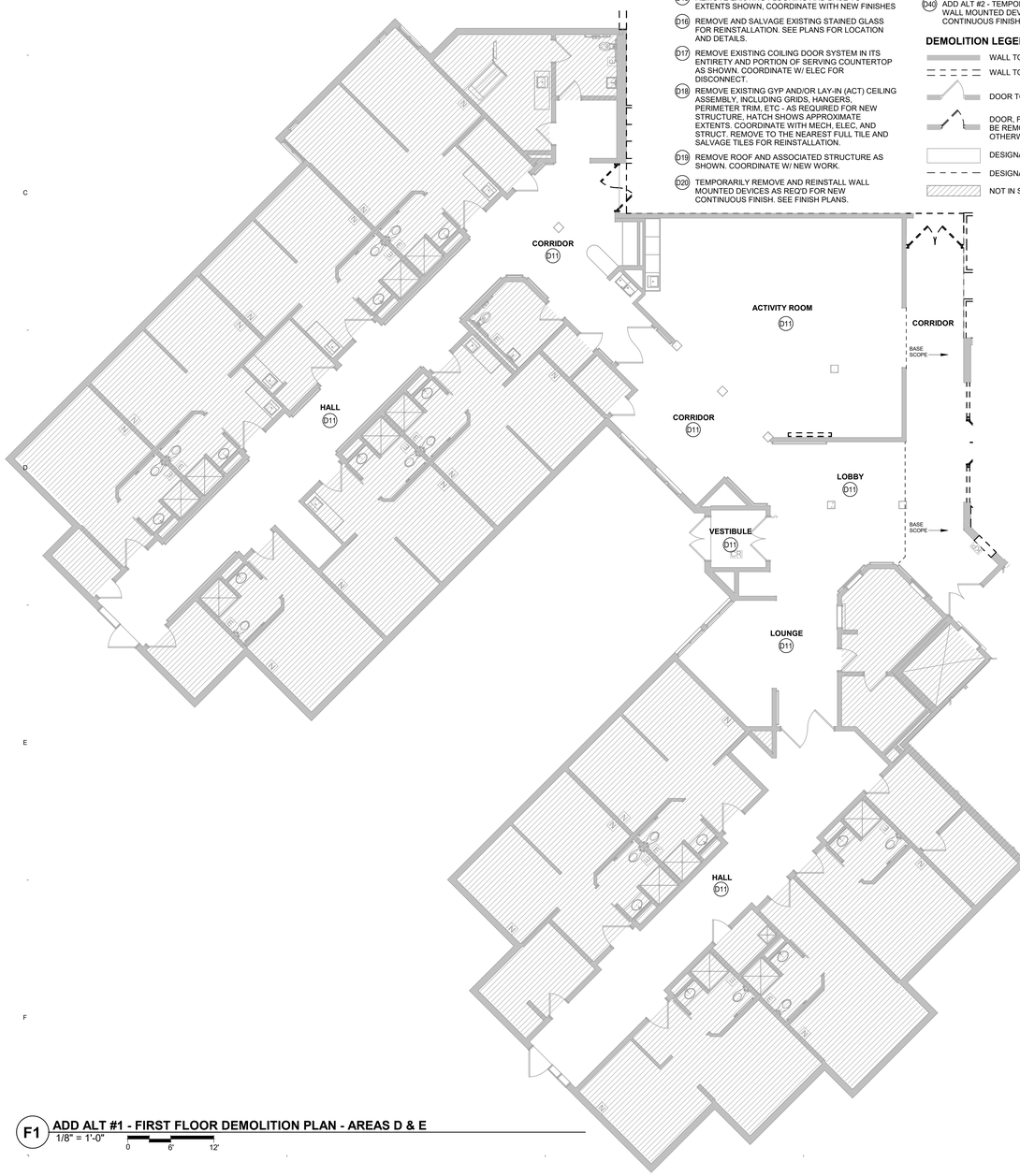
(11) PATCH, REPAIR, AND/ OR REPLACE EXISTING APPLIED GYP AS REQ'D FOR A SMOOTH FINISH

(12) REMOVE PORTION OF GYPSUM BD AND BLOCK TO CREATE A SHALLOW CHANNEL FOR EACH ELECTRICAL CONDUIT IN THIS ROOM. CREATE A 1/2" WIDE CHANNEL FOR POWER RECEPTACLES AND 1" WIDE CHANNEL FOR DATA RECEPTACLES (VERIFY). CREATE CHANNEL FROM NEW DEVICE LOCATION TO CEILING. SEE ELEC FOR LOCATIONS OF DEVICES.

(13) ADD ALT #2 - PROVIDE NEW LAYER OF GYP BD AFTER THE INSTALLATION OF NEW FIXTURES.

(14) ADD ALT #2 - PATCH AND REPAIR EXISTING WALLS AS REQ'D FOR A SMOOTH FINISH. SEE FINISH PLANS.

(15) ADD ALT #2 - PROVIDE NEW OVERRIDE AT EXISTING ELEVATOR FOR RESIDENT SECURITY



F1 ADD ALT #1 - FIRST FLOOR DEMOLITION PLAN - AREAS D & E
1/8" = 1'-0"
0 6' 12'

F5 ADD ALT #1 - FIRST FLOOR PLAN - AREAS D & E
1/8" = 1'-0"
0 6' 12'

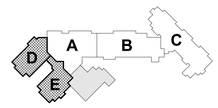
Pelican Valley Senior Living Renovation
211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
MARTIN MECHANICAL DESIGN



KEY PLAN
FIRST FLOOR

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 **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**
North

ADD ALT #1 - FIRST FLOOR AREAS D & E DEMOLITION AND FLOOR PLAN

Scale: **As Indicated**

A2.01d

MN

A

C

D

E

F

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation_22025.rvt
1/28/2025 8:37:17 PM

F1 FIRST FLOOR PLAN - AREA B
3/16" = 1'-0"

FLOOR PLAN GENERAL NOTES:

OUT OF SCOPE

1. ALL WALL TYPES TO BE GA2 UNLESS OTHERWISE NOTED ON PLANS, REFER TO SHEET A4.700 FOR WALL TYPES.
2. FIELD VERIFY ALL MILLWORK OPENINGS.
3. REFER TO SHEET A0.001 FOR ABBREVIATIONS, SYMBOLS, AND EQUIPMENT SCHEDULE.
4. REFER TO SHEET A4.01a FOR MATERIAL FINISH/COLOR SCHEDULE & INTERIOR SPECIFICATIONS.
5. ALL PLAN DIMENSIONS ARE NOMINAL TO FACE OF WALL. SEE WALL TYPES FOR ACTUAL THICKNESS. VERIFY DIMENSIONS WITH STRUCTURAL.
6. ALL DOOR/ SIDELITE OPENINGS TO BE 4" FROM ADJACENT WALL UNLESS OTHERWISE NOTED.
7. COORDINATE SIZE AND LOCATION OF ALL DUCT AND SHAFT OPENINGS IN WALLS AND FLOORS W/ MECHANICAL AND ELECTRICAL.
8. IN AREA OF CONSTRUCTION, FIRESAFE ALL EXISTING AND NEW WALL PENETRATIONS.
9. AT EXISTING SURFACES AFFECTED BY NEW WORK, PATCH / RESTORE EXISTING FINISHES AS REQUIRED FOR NEW FINISH.
10. 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.
11. FIELD VERIFY ALL DIMENSIONS AND ASBUILT EXISTING CONDITIONS. NOTIFY THE ARCHITECTS IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES OCCUR BEFORE AND/OR DURING CONSTRUCTION.
12. 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
13. 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.
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. DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR TO VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO COMMENCING THE WORK.
16. SEAL ALL COUNTERTOPS, BACKSPLASHES AND CABINETS AT LOCATIONS WHERE THEY MEET WALLS. SEAL ALL CUT-OUTS IN COUNTERTOPS.
17. ALL CUTTING AND PATCHING REQUIRED FOR NEW MECHANICAL AND ELECTRICAL WORK IN EXISTING SPACES SHALL BE BY THE RESPECTIVE CONTRACTORS.
18. MATCH FINISHED WALL THICKNESS WHERE NEW WALLS OCCUR IN LINE WITH EXISTING WALLS.
19. ERECT DUSTPROOF PARTITIONS AS REQUIRED BY OWNER TO PROTECT ADJACENT AREAS.
20. 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.
21. SEAL AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT PENETRATIONS AT RATED WALLS ABOVE AND BELOW CEILINGS WITH UL APPROVED FIRESTOPPING MATERIAL.
22. 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.
23. 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
24. FIELD VERIFY ALL COLUMNS, REFER TO ARCHITECTURAL DRAWINGS FOR COLUMN WRAPS.
25. **AT AREAS WHERE NEW FIRE ALARM AND NURSE CALL ARE BEING INSTALLED IN EXISTING WALLS OR CEILINGS, REMOVE AND SALVAGE EXISTING CEILING TILES FOR REINSTALLATION. IF TILES ARE DAMAGED, CONTRACTOR TO PROVIDE NEW TILES. ALL GYPSUM BOARD CEILING AND WALLS TO BE PATCHED, REPAIRED, AND PAINTED TO MATCH EXISTING TEXTURE AND FINISH. ALL PENETRATIONS TO BE SEALED. SEE ELECTRICAL FOR EXTENTS.**

FLOOR PLAN KEY NOTES:

01. AT SHADED AREA RECESS CONCRETE SLAB FOR SHOWER.
02. ADD ALT #1: INSTALL NEW FLOORING (CPT1) AND BASE (RB1) AS SHOWN ON PLANS. PAINT ALL WALLS P1 UNLESS OTHERWISE INDICATED ON PLAN. HANDRAILS TO REMAIN.
03. PATCH WALLS WHERE DEVICES WERE REMOVED. PREP FOR NEW FINISHES.
04. INFILL CONCRETE SLAB AT EXISTING VESTIBULE GRATE. POUR, DOWEL, LEVEL, AND FEATHER INTO EXISTING SLAB.
05. RECESSED FIRE EXTINGUISHER CABINET (FEC). INSTALL PER DETAIL A7/A4.703 RECESSED (FEC) B7/A4.703 AND SEMI-RECESSED PER DETAIL A7/A4.703
06. EVS MOP SINK AND SHELD. INSTALL PER DETAIL F6/A4.703
07. RECESSED AED CABINET. INSTALL PER DETAIL A7/A4.703
08. PATCH AND PAINT WALL AS REQ'D AFTER REMAOVAL OF STAINED GLASS
09. PATCH AND REPAIR EXISTING WALL AS REQ'D AS DISTURBED BY NEW CONSTRUCTION. MATCH EXISTING WALL FINISH AND CONSTRUCTION.
10. PROVIDE (1) ADDITIONAL LAYER OF 5/8" GYP BD SO EXTERIOR WALL IS FLUSH WITH INTERIOR WALL.
11. PATCH, REPAIR, AND/ OR REPLACE EXISTING APPLIED GYP AS REQ'D FOR A SMOOTH FINISH
12. REMOVE PORTION OF GYPSUM BD AND BLOCK TO CREATE A SHALLOW CHANNEL FOR EACH ELECTRICAL CONDUIT IN THIS ROOM. CREATE A 1/2" WIDE CHANNEL FOR POWER RECEPTACLES AND 1" WIDE CHANNEL FOR DATA RECEPTACLES (VERIFY). CREATE CHANNEL FROM NEW DEVICE LOCATION TO CEILING. SEE ELEC FOR LOCATIONS OF DEVICES.
13. ADD ALT #2 - PROVIDE NEW LAYER OF GYP BD AFTER THE INSTALLATION OF NEW FIXTURES.
14. ADD ALT #2 - PATCH AND REPAIR EXISTING WALLS AS REQ'D FOR A SMOOTH FINISH. SEE FINISH PLANS.
15. ADD ALT #2 - PROVIDE NEW OVERRIDE AT EXISTING ELEVATOR FOR RESIDENT SECURITY

D6 FIRST FLOOR PLAN - AREA B - WALL TYPES
1/16" = 1'-0"

WALL TYPE LEGEND
SEE FLOOR PLAN FOR SIZING NUMBERS

- WALL TYPE GA - WALL TO DECK
- WALL TYPE GX - WALL TO DECK, 2 LAYERS OF GYP BD ON BOTH SIDES (EXCEPT AT GX1)
- WALL TYPE GD - WALL TO 6" ABOVE CEILING
- WALL TYPE GB - WALL TO DECK, GYP BD ON ONE SIDE
- WALL TYPE GE - WALL TO 6" ABOVE CEILING, GYP BD ON ONE SIDE

DOOR / OPENING SCHEDULE - AREA A

DOOR NO	ROOM	DOOR / OPENING TYPE	QTY	WIDTH	HEIGHT	MATL	LABEL/ RATING	OVERALL WIDTH	FRAME TYPE	FRAME DEPTH	FRAME MATL	HDW GRP	REMARKS
A100	CORRIDOR	N	2	3'-2"	7'-0"	WD	DOOR - 20 MIN, GLAZING - 45 MIN	6'-8"	FR 3	--	HM	34	SMOKE BARRIER, KICKPLATE, KP2
A100A	CORRIDOR	N	2	3'-2"	7'-0"	WD	DOOR - 20 MIN, GLAZING - 45 MIN	6'-8"	FR 3	--	HM	34	SMOKE BARRIER, KICKPLATE, KP2
A101	DINING	FG	1	4'-0"	8'-6"	AL	--	4'-4"	FR 1	--	AL	04	
A102	PREP KITCHEN	F	1	3'-8"	7'-0"	HM	--	4'-0"	FR 1	--	HM	24	KICKPLATE, KP2, DUAL PAINT DOOR AND FRAME TO MATCH WALL FINISH ON BOTH SIDES
A102A	DISH ROOM	F	1	3'-0"	7'-0"	HM	--	3'-4"	FR 1	--	HM	24	KICKPLATE, KP2, DUAL PAINT DOOR AND FRAME TO MATCH WALL FINISH ON BOTH SIDES
A102B	PREP KITCHEN	F	1	3'-0"	7'-0"	HM	--	3'-4"	FR 1	--	HM	24	KICKPLATE, KP2, DUAL PAINT DOOR AND FRAME TO MATCH WALL FINISH ON BOTH SIDES
A102C	DISH ROOM	N2		3'-0"	7'-0"	WD	--		FR 10	--	HM		TRAFFIC DOOR, KICKPLATE, KP2
A103	CORRIDOR	EXIST	2	3'-0"	7'-0"	WD	--	6'-4"	EXIST	--	HM		CARD READER
A104	RN1	F	1	3'-0"	7'-0"	WD	--	3'-4"	FR 1	--	HM	18	
A104L	RN1	--	--	4'-0"	4'-6"	--	--	4'-0"	FR 7	--	HM	--	BORROWED LIGHT
A105	RN2	F	1	3'-0"	7'-0"	WD	--	3'-4"	FR 1	--	HM	18	
A106	MOTHERS ROOM	F	1	3'-0"	7'-0"	WD	--	3'-4"	FR 1	--	HM	16	
A107	ACTIVITIES	F	1	3'-0"	7'-0"	WD	--	3'-4"	FR 1	--	HM	18	
A108	CORRIDOR	N	1	3'-0"	7'-0"	WD	--	3'-4"	FR 1	--	HM	29	CARD READER, KICKPLATE, KP2
A108A	STAFF BREAK ROOM	N	1	3'-0"	7'-0"	WD	--	3'-4"	FR 1	--	HM	38	KICKPLATE, KP2
A109	STAFF BREAK ROOM	F	1	3'-0"	7'-0"	WD	DOOR - 20 MIN, GLAZING - 45 MIN	3'-4"	FR 1	--	HM	08	SMOKE BARRIER, KICKPLATE, KP2
A109A	STAFF BREAK ROOM	FG	1	3'-0"	7'-0"	AL	--	3'-4"	FR 1	--	AL	01	CARD READERS
A111	CORRIDOR	F	1	3'-0"	7'-0"	WD	--	3'-4"	FR 1	--	HM	15	
A112	CORRIDOR	F	1	3'-0"	7'-0"	WD	--	3'-4"	FR 1	--	HM	26	
A113	MED RECORDS	F	1	3'-0"	7'-0"	WD	--	3'-4"	FR 1	--	HM	30	
A114	MED PREP	F	1	3'-0"	7'-0"	WD	--	3'-4"	FR 1	--	HM	30	
A116	SOILED UTILITY	F	1	3'-0"	7'-0"	WD	60 MIN	3'-4"	FR 1	--	HM	08	1 HOUR FIRE BARRIER
A117	STOR	F	2	3'-0"	7'-0"	WD	--	6'-4"	FR 1	--	HM	37	
A118	PUBLIC TOILET	F	1	3'-6"	7'-0"	WD	--	3'-10"	FR 1	--	HM	15	
A119	ELEC	F	2	3'-0"	7'-0"	WD	--	6'-4"	FR 1	--	HM	36	
A120	PRIVATE	F	1	3'-8"	7'-0"	WD	--	4'-0"	FR 1	--	HM	06	KICKPLATE, KP1
A120A	PRIVATE TOILET	F	1	3'-7"	7'-0"	WD	--	7'-4"	FR 2		HM	13	
A121	PRIVATE	F	1	3'-8"	7'-0"	WD	--	4'-0"	FR 1	--	HM	06	KICKPLATE, KP1
A121A	PRIVATE TOILET	F	1	3'-7"	7'-0"	WD	--	7'-4"	FR 2		HM	13	
A122	PRIVATE	F	1	3'-8"	7'-0"	WD	--	4'-0"	FR 1	--	HM	06	KICKPLATE, KP1
A122A	PRIVATE TOILET	F	1	3'-7"	7'-0"	WD	--	7'-4"	FR 2		HM	13	
A123	PRIVATE	F	1	3'-8"	7'-0"	WD	--	4'-0"	FR 1	--	HM	06	KICKPLATE, KP1
A123A	PRIVATE TOILET	F	1	3'-7"	7'-0"	WD	--	7'-4"	FR 2		HM	13	
A124	PRIVATE	F	1	3'-8"	7'-0"	WD	--	4'-0"	FR 1	--	HM	06	KICKPLATE, KP1
A124A	PRIVATE TOILET	F	1	3'-7"	7'-0"	WD	--	7'-4"	FR 2		HM	13	
A125	REHAB	G	1	3'-8"	7'-0"	WD	--	4'-0"	FR 1	--	HM	21	
A125A	REHAB TOILET	F	1	3'-8"	7'-0"	WD	--	4'-0"	FR 1	--	HM	15	
A125B	STOR	F	2	3'-0"	7'-0"	WD	--	6'-4"	FR 1	--	HM	37	
A125L	REHAB	--	--	4'-0"	4'-6"	--	--	4'-0"	FR 7	--	HM	--	BORROWED LIGHT

Pelican Valley Senior Living Renovation
211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

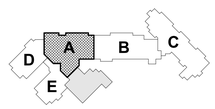
Wold

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN



KEY PLAN
FIRST FLOOR

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: **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

North

Scale: **As indicated**

FIRST FLOOR PLAN - AREA A

A2.01a

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039_Pelican Valley Senior Living_Renovation_2025.rvt
1/28/2025 9:13:06 PM

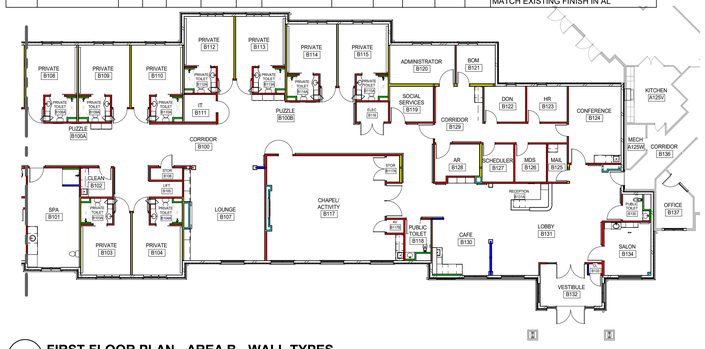
MN

DOOR / OPENING SCHEDULE - AREA B

DOOR NO	ROOM	DOOR / OPENING TYPE	QTY	WIDTH	HEIGHT	MATL	LABEL/ RATING	OVERALL WIDTH	FRAME TYPE	FRAME DEPTH	FRAME MATL	HDW GRP	REMARKS
B101	SPA	F	1	3'-8"	7'-0"	WD	--	4'-0"	FR 1	--	HM	25	
B102	CLEAN	F	1	3'-0"	7'-0"	WD	--	3'-4"	FR 1	--	HM	06	
B103	PRIVATE	F	1	3'-0"	7'-0"	WD	--	4'-0"	FR 1	--	HM	06	KICKPLATE, KP1
B103A	PRIVATE TOILET	F	1	3'-0"	7'-0"	WD	--	7'-4"	FR 2		HM	13	
B104	PRIVATE	F	1	3'-8"	7'-0"	WD	--	4'-0"	FR 1	--	HM	06	KICKPLATE, KP1
B104A	PRIVATE TOILET	F	1	3'-7"	7'-0"	WD	--	7'-4"	FR 2		HM	13	
B106	STOR	F	1	3'-0"	7'-0"	WD	--	3'-4"	FR 1	--	HM	06	1 HR FIRE BARRIER
B108	PRIVATE	F	1	3'-8"	7'-0"	WD	--	4'-0"	FR 1	--	HM	06	KICKPLATE, KP1
B108A	PRIVATE TOILET	F	1	3'-7"	7'-0"	WD	--	7'-4"	FR 2		HM	13	
B109	PRIVATE	F	1	3'-8"	7'-0"	WD	--	4'-0"	FR 1	--	HM	06	KICKPLATE, KP1
B109A	PRIVATE TOILET	F	1	3'-7"	7'-0"	WD	--	7'-4"	FR 2		HM	13	
B110	PRIVATE	F	1	3'-8"	7'-0"	WD	--	4'-0"	FR 1	--	HM	06	KICKPLATE, KP1
B110A	PRIVATE TOILET	F	1	3'-7"	7'-0"	WD	--	7'-4"	FR 2		HM	13	
B111	IT	F	1	3'-0"	7'-0"	WD	60 MIN	3'-4"	FR 1	--	HM	28	1 HR FIRE BARRIER
B112	PRIVATE	F	1	3'-8"	7'-0"	WD	--	4'-0"	FR 1	--	HM	06	KICKPLATE, KP1
B112A	PRIVATE TOILET	F	1	3'-7"	7'-0"	WD	--	7'-4"	FR 2		HM	13	
B113	PRIVATE	F	1	3'-8"	7'-0"	WD	--	4'-0"	FR 1	--	HM	06	KICKPLATE, KP1
B113A	PRIVATE TOILET	F	1	3'-7"	7'-0"	WD	--	7'-4"	FR 2		HM	13	
B114	CORRIDOR	F	1	3'-8"	7'-0"	WD	--	4'-0"	FR 1	--	HM	06	KICKPLATE, KP1
B114A	PRIVATE TOILET	F	1	3'-7"	7'-0"	WD	--	7'-4"	FR 2		HM	13	
B115	PRIVATE	F	1	3'-8"	7'-0"	WD	--	4'-0"	FR 1	--	HM	06	KICKPLATE, KP1
B115A	PRIVATE TOILET	F	1	3'-7"	7'-0"	WD	--	7'-4"	FR 2		HM	13	
B116	ELEC	F	2	3'-0"	7'-0"	WD	--	6'-4"	FR 1	--	HM	36	
B117	CHAPEL/ ACTIVITY	G	2	4'-0"	7'-0"	WD	--	8'-4"	FR 4	--	HM	12	DUAL PT FRAME PT9 ON CORRIDOR SIDE
B117A	STOR	F	2	3'-0"	7'-0"	WD	--	6'-4"	FR 1	--	HM	40	
B117B	AV	F	1	3'-0"	7'-0"	WD	--	3'-4"	FR 1	--	HM	41	
B117C	CHAPEL/ ACTIVITY	F	1	3'-8"	7'-0"	WD	--	4'-0"	FR 1	--	HM	32	
B117L	CHAPEL/ ACTIVITY	F	1	5'-5"	4'-6"	--	--	5'-5"	FR 6		HM	--	STAINED GLASS BORROWED LITE
B118	PUBLIC TOILET	F	1	3'-8"	7'-0"	WD	--	4'-0"	FR 1	--	HM	17	
B119	SOCIAL SERVICES	G	1	3'-8"	7'-0"	WD	--	4'-0"	FR 5	--	HM	18	
B120	ADMINISTRATOR	F	1	3'-8"	7'-0"	WD	--	4'-0"	FR 1	--	HM	18	
B121	BOM	F	1	3'-0"	7'-0"	WD	--	3'-4"	FR 1	--	HM	18	
B122	DON	F	1	3'-0"	7'-0"	WD	--	3'-4"	FR 1	--	HM	18	
B123	HR	F	1	3'-0"	7'-0"	WD	--	3'-4"	FR 1	--	HM	18	
B124	CONFERENCE	G	1	3'-8"	7'-0"	WD	--	4'-0"	FR 5	--	HM	20	FILM BY OWNER, DUAL PT FRAME PT9 ON CORRIDOR SIDE, PT8 ROOM SIDE
B124A	CONFERENCE	G	1	3'-0"	7'-0"	WD	--	3'-4"	FR 5	--	HM	20	FILM BY OWNER
B125	MAIL	F	1	2'-10"	7'-0"	WD	--	3'-2"	FR 1	--	HM	23	DUAL PT FRAME PT9 ON CORRIDOR SIDE, PT8 ROOM SIDE
B126	MDS	F	1	3'-0"	7'-0"	WD	--	3'-4"	FR 1	--	HM	18	
B127	SCHEDULER	F	1	3'-0"	7'-0"	WD	--	3'-4"	FR 1	--	HM	18	
B128	AR	F	1	3'-8"	7'-0"	WD	--	4'-0"	FR 5	--	HM	18	

DOOR / OPENING SCHEDULE - AREA B

DOOR NO	ROOM	DOOR / OPENING TYPE	QTY	WIDTH	HEIGHT	MATL	LABEL/ RATING	OVERALL WIDTH	FRAME TYPE	FRAME DEPTH	FRAME MATL	HDW GRP	REMARKS
B129	CORRIDOR	G	1	3'-8"	7'-0"	WD	--	4'-0"	FR 5	--	HM	11	FILM BY OWNER
B131	CORRIDOR	F	1	3'-6"	7'-0"	WD	--	3'-10"	FR 1 - 90 Min	--	HM	42	
B132	VESTIBULE	FG	2	3'-8"	7'-0"	AL	--	7'-8"	SF 1	--	AL	02	
B132A	VESTIBULE	FG	2	3'-8"	7'-0"	AL	--	7'-8"	SF 2	--	AL	03	
B133	CL	F	1	2'-10"	7'-0"	WD	--	3'-2"	FR 1	--	HM	07	
B134	SALON	G	1	3'-8"	7'-0"	WD	--	4'-0"	FR 5	--	HM	22	DUAL PT FRAME PT9 ON CORRIDOR SIDE, PT8 ROOM SIDE
B135	PUBLIC TOILET	F	1	3'-8"	7'-0"	WD	--	4'-0"	FR 1	--	HM	17	
B137	OFFICE	F	1	3'-0"	7'-0"	WD	--	6'-4"	FR 8	--	HM	19	PT FRAME TO MATCH EXISTING FINISHES, CUSTOM STAIN DOOR TO MATCH EXISTING FINISH IN AL



WALL TYPE LEGEND - SEE FLOOR PLAN FOR SIZING NUMBERS

- WALL TYPE GA - WALL TO DECK
- WALL TYPE GX - WALL TO DECK, 2 LAYERS OF GYP BD BOTH SIDES (EXCEPT AT GX1)
- WALL TYPE GD - WALL TO 6" ABOVE CEILING
- WALL TYPE GB - WALL TO DECK, GYP BD ON ONE SIDE
- WALL TYPE GE - WALL TO 6" ABOVE CEILING, GYP BD ON ONE SIDE

B3 **FIRST FLOOR PLAN - AREA B - WALL TYPES**
1/16" = 1'-0"
0 12' 24'

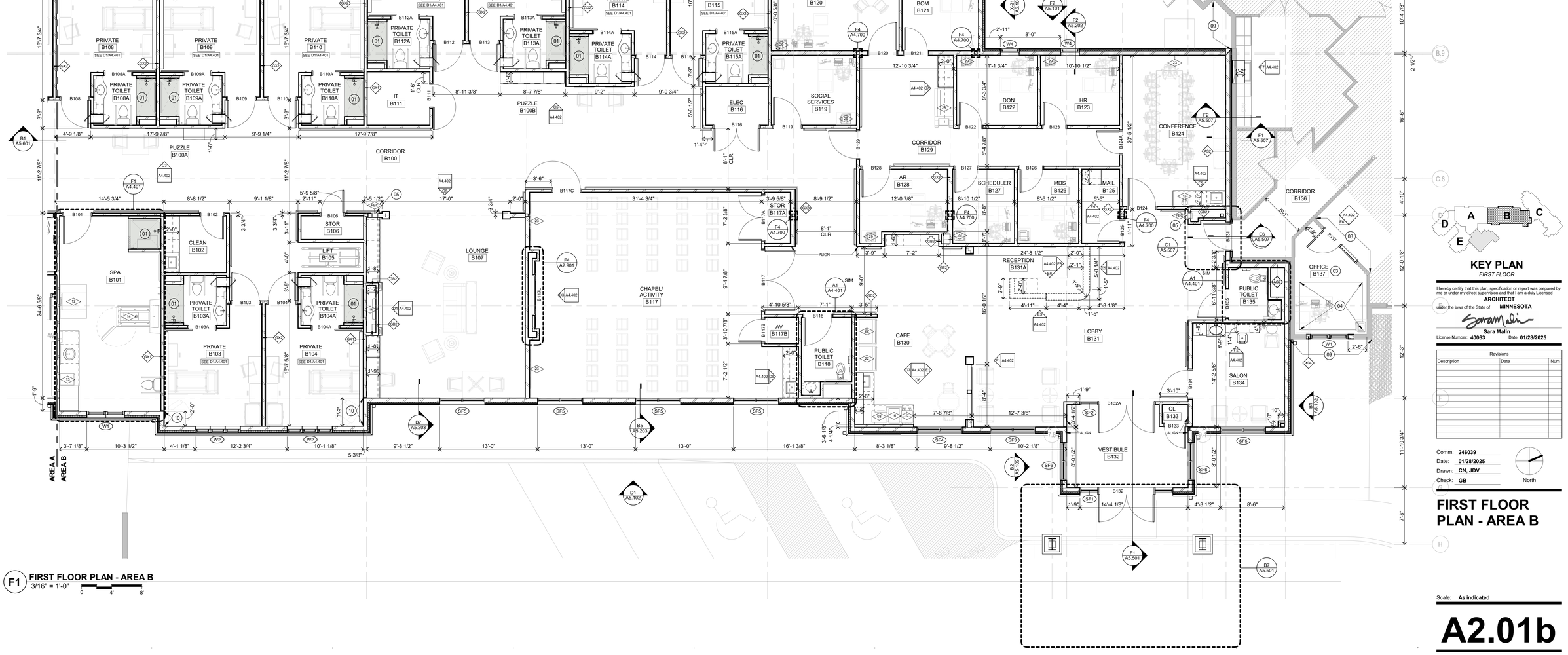
FLOOR PLAN GENERAL NOTES:

OUT OF SCOPE

1. ALL WALL TYPES TO BE **GA2** UNLESS OTHERWISE NOTED ON PLANS, REFER TO SHEET **A4.700** FOR WALL TYPES.
2. FIELD VERIFY ALL MILLWORK OPENINGS.
3. REFER TO SHEET **A0.001** FOR ABBREVIATIONS, SYMBOLS, AND EQUIPMENT SCHEDULE.
4. REFER TO SHEET **A4.01a** FOR MATERIAL FINISH/COLOR SCHEDULE & INTERIOR SPECIFICATIONS.
5. ALL PLAN DIMENSIONS ARE NOMINAL TO FACE OF WALL. SEE WALL TYPES FOR ACTUAL THICKNESS. VERIFY DIMENSIONS WITH STRUCTURAL.
6. ALL DOOR/ SIDELITE OPENINGS TO BE 4" FROM ADJACENT WALL UNLESS OTHERWISE NOTED.
7. COORDINATE SIZE AND LOCATION OF ALL DUCT AND SHAFT OPENINGS IN WALLS AND FLOORS W/ MECHANICAL AND ELECTRICAL.
8. IN AREA OF CONSTRUCTION, FIRESAFE ALL EXISTING AND NEW WALL PENETRATIONS.
9. AT EXISTING SURFACES AFFECTED BY NEW WORK, PATCH / RESTORE EXISTING FINISHES AS REQUIRED FOR NEW FINISH.
10. 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.
11. FIELD VERIFY ALL DIMENSIONS AND ASBUILT EXISTING CONDITIONS. NOTIFY THE ARCHITECTS IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES OCCUR BEFORE AND/OR DURING CONSTRUCTION.
12. 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.
13. 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.
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. DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR TO VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO COMMENCING THE WORK.
16. SEAL ALL COUNTERTOPS, BACKSPLASHES AND CABINETS AT LOCATIONS WHERE THEY MEET WALLS. SEAL ALL CUT-OUTS IN COUNTERTOPS.
17. ALL CUTTING AND PATCHING REQUIRED FOR NEW MECHANICAL AND ELECTRICAL WORK IN EXISTING SPACES SHALL BE BY THE RESPECTIVE CONTRACTORS.
18. MATCH FINISHED WALL THICKNESS WHERE NEW WALLS OCCUR IN LINE WITH EXISTING WALLS.
19. ERECT DUSTPROOF PARTITIONS AS REQUIRED BY OWNER TO PROTECT ADJACENT AREAS.
20. 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.
21. SEAL AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT PENETRATIONS AT RATED WALLS ABOVE AND BELOW CEILINGS WITH UL APPROVED FIRESTOPPING MATERIAL.
22. 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.
23. CONTRACTOR IS RESPONSIBLE TO VERIFY FOR FIELD DIMENSIONS AND EXISTING CONDITIONS, FIELD CONSTRUCTION CRITERIA, CATALOG MODEL NUMBERS AND SIMILAR DATA FOR CONFORMANCE WITH CONSTRUCTION DOCUMENTS AND COORDINATION WITH OTHER WORK.
24. FIELD VERIFY ALL COLUMNS, REFER TO ARCHITECTURAL DRAWINGS FOR COLUMN WRAPS.
25. **AT AREAS WHERE NEW FIRE ALARM AND NURSE CALL ARE BEING INSTALLED IN EXISTING WALLS OR CEILINGS, REMOVE AND SALVAGE EXISTING CEILING TILES FOR REINSALLATION. IF TILES ARE DAMAGED, CONTRACTOR TO PROVIDE NEW TILES. ALL GYPSUM BOARD CEILING AND WALLS TO BE PATCHED, REPAIRED, AND PAINTED TO MATCH EXISTING TEXTURE AND FINISH. ALL PENETRATIONS TO BE SEALED. SEE ELECTRICAL FOR EXTENTS.**

FLOOR PLAN KEY NOTES:

01 AT SHADED AREA RECESS CONCRETE SLAB FOR SHOWER.
02 ADD ALT #1: INSTALL NEW FLOORING (CPT1) AND BASE (RB1) AS SHOWN ON PLANS. PAINT ALL WALLS P1 UNLESS OTHERWISE INDICATED ON PLAN. HANDRAILS TO REMAIN.
03 PATCH WALLS WHERE DEVICES WERE REMOVED. PREP FOR NEW FINISHES.
04 INFILL CONCRETE SLAB AT EXISTING VESTIBULE GRATE. POUR, DOWEL, LEVEL, AND FEATHER INTO EXISTING SLAB.
05 RECESSED FIRE EXTINGUISHER CABINET (FEC). INSTALL PER NEW CONSTRUCTION. RECESSED (FEC) B7/A4.703 AND SEMI-RECESSED PER DETAIL A7/A4.703
06 EVS MOP SINK AND SHELD. INSTALL PER DETAIL F6/A4.703
07 RECESSED AED CABINET. INSTALL PER DETAIL A7/A4.703
08 PATCH AND PAINT WALL AS REQ'D AFTER REMAOVAL OF STAINED GLASS
09 PATCH AND REPAIR EXISTING WALL AS REQ'D AS DISTURBED BY NEW CONSTRUCTION. MATCH EXISTING WALL FINISH AND CONSTRUCTION.
09 PATCH AND REPAIR EXISTING WALL AS REQ'D AS DISTURBED BY NEW CONSTRUCTION. MATCH EXISTING WALL FINISH AND CONSTRUCTION.
10 PROVIDE (1) ADDITIONAL LAYER OF 5/8" GYP BD SO EXTERIOR WALL IS FLUSH WITH INTERIOR WALL.
11 PATCH, REPAIR, AND/ OR REPLACE EXISTING APPLIED GYP AS REQ'D FOR A SMOOTH FINISH
12 REMOVE PORTION OF GYPSUM BD AND BLOCK TO CREATE A SHALLOW CHANNEL FOR EACH ELECTRICAL CONDUIT IN THIS ROOM. CREATE A 1/2" WIDE CHANNEL FOR POWER RECEPTACLES AND 1" WIDE CHANNEL FOR DATA RECEPTACLES (VERIFY). CREATE CHANNEL FROM NEW DEVICE LOCATION TO CEILING. SEE ELEC FOR LOCATIONS OF DEVICES.
13 ADD ALT #2 - PROVIDE NEW LAYER OF GYP BD AFTER THE INSTALLATION OF NEW FIXTURES.
14 ADD ALT #2 - PATCH AND REPAIR EXISTING WALLS AS REQ'D FOR A SMOOTH FINISH. SEE FINISH PLANS.
15 ADD ALT #2 - PROVIDE NEW OVERRIDE AT EXISTING ELEVATOR FOR RESIDENT SECURITY



F1 **FIRST FLOOR PLAN - AREA B**
3/16" = 1'-0"
0 4' 8'

A

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

KEY PLAN
FIRST FLOOR

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 **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**
North

FIRST FLOOR PLAN - AREA B

Scale: **As Indicated**

A2.01b

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation
1/28/2025 8:13:53 PM

MN

DOOR / OPENING SCHEDULE

DOOR NO	ROOM	DOOR / OPENING TYPE	QTY	WIDTH	HEIGHT	MATL	LABEL/ RATING	OVERALL WIDTH	FRAME TYPE	MATL	GL	HDW GRP	EXISTING COMPONENTS
A201	STAIRS	F	1	3'-0"	7'-0"	WD	90 MIN DOOR, 120 MIN FRAME	3'-4"	FR 1	HM	--	43	2 HOUR FIRE BARRIER
A202	SINGLE	EXIST	1	4'-0"	7'-0"	WD	--	4'-4"	EXIST	HM	--	44	PAINT EXISTING FRAME PT8
A202A	TOILET	EXIST	1	3'-0"	7'-0"	WD	--	3'-4"	EXIST	HM	--	INSTALL SALVAGED PASSAGE SET FROM FIRST FLOOR	VERIFY LEVER W/ OWNER. ALL OTHER HARDWARE TO REMAIN. PAINT EXISTING FRAME PT8
A203	SOILED UTILITY	EXIST	1	3'-0"	7'-0"	WD	--	3'-4"	EXIST	HM	--	INSTALL SALVAGED STOREROOM SET FROM FIRST FLOOR	VERIFY LEVER W/ OWNER. ALL OTHER HARDWARE TO REMAIN. PAINT EXISTING FRAME PT8
A204	SINGLE	EXIST	1	4'-0"	7'-0"	WD	--	4'-4"	EXIST	HM	--	45	PAINT EXISTING FRAME PT8
A204A	TOILET	EXIST	1	3'-0"	7'-0"	WD	--	3'-4"	EXIST	HM	--	INSTALL SALVAGED PASSAGE SET FROM FIRST FLOOR	VERIFY LEVER W/ OWNER. ALL OTHER HARDWARE TO REMAIN. PAINT EXISTING FRAME PT8
A205	CONFERENCE	EXIST	1	4'-0"	7'-0"	WD	--	4'-4"	EXIST	HM	--	--	PAINT EXISTING FRAME PT8
A206	DOUBLE	EXIST	1	3'-8"	7'-0"	WD	--	4'-0"	EXIST	HM	--	--	REINSTALL EXISTING DOOR AND FRAME IN NEW LOCATION. PAINT EXISTING FRAME PT8
A206A	TOILET	EXIST	1	2'-6"	7'-0"	WD	--	2'-10"	EXIST	HM	--	INSTALL SALVAGED PASSAGE SET FROM FIRST FLOOR	VERIFY LEVER W/ OWNER. ALL OTHER HARDWARE TO REMAIN. PAINT EXISTING FRAME PT8
A207	HSKP	EXIST	1	2'-8"	7'-0"	WD	--	3'-0"	EXIST	HM	--	INSTALL SALVAGED STOREROOM SET FROM FIRST FLOOR	VERIFY LEVER W/ OWNER. ALL OTHER HARDWARE TO REMAIN. PAINT EXISTING FRAME PT8 ON CORRIDOR SIDE ONLY
A208	CLEAN UTILITY	EXIST	1	3'-0"	7'-0"	WD	--	3'-4"	EXIST	HM	--	--	PAINT EXISTING FRAME PT8 ON CORRIDOR SIDE ONLY
A211	MEDS	--	1	2'-4"	7'-0"	--	--	2'-8"	EXIST	HM	--	--	PAINT EXISTING FRAME PT8
A212	NURSE STATION	EXIST	2	2'-4"	7'-0"	WD	--	5'-0"	EXIST	HM	--	--	PAINT EXISTING FRAME PT8
A213	LARGE SHOWER	EXIST	1	3'-0"	7'-0"	WD	--	3'-4"	EXIST	HM	--	INSTALL SALVAGED LEVER FROM A214	PAINT EXISTING FRAME PT8
A214	SINGLE	EXIST	1	4'-0"	7'-0"	WD	--	4'-4"	EXIST	HM	--	INSTALL SALVAGED PASSAGE SET FROM FIRST FLOOR	VERIFY LEVER W/ OWNER. ALL OTHER HARDWARE TO REMAIN. PAINT EXISTING FRAME PT8
A214A	TOILET	EXIST	1	2'-6"	7'-0"	WD	--	2'-10"	EXIST	HM	--	INSTALL SALVAGED PASSAGE SET FROM FIRST FLOOR	VERIFY LEVER W/ OWNER. ALL OTHER HARDWARE TO REMAIN. PAINT EXISTING FRAME PT8
A215	SINGLE	EXIST	1	3'-10"	7'-0"	WD	--	4'-2"	EXIST	HM	--	INSTALL SALVAGED PASSAGE SET FROM FIRST FLOOR	VERIFY LEVER W/ OWNER. ALL OTHER HARDWARE TO REMAIN. PAINT EXISTING FRAME PT8
A215A	TOILET	F	1	3'-0"	7'-0"	WD	--	3'-4"	FR 1	HM	--	06	
A216	SINGLE	EXIST	1	4'-0"	7'-0"	WD	--	4'-4"	EXIST	HM	--	INSTALL SALVAGED PASSAGE SET FROM FIRST FLOOR	VERIFY LEVER W/ OWNER. ALL OTHER HARDWARE TO REMAIN. PAINT EXISTING FRAME PT8 ON CORRIDOR SIDE ONLY
A216A	TOILET	F	1	3'-0"	7'-0"	WD	--	3'-4"	FR 1	HM	--	06	
A217	MEP	EXIST	1	2'-6"	7'-0"	WD	--	2'-10"	EXIST	HM	--	--	PAINT EXISTING FRAME PT8 ON CORRIDOR SIDE ONLY
A218	SINGLE	EXIST	1	4'-0"	7'-0"	WD	--	4'-4"	EXIST	HM	--	INSTALL SALVAGED PASSAGE SET FROM FIRST FLOOR	VERIFY LEVER W/ OWNER. ALL OTHER HARDWARE TO REMAIN. PAINT EXISTING FRAME PT8
A218A	TOILET	F	1	3'-0"	7'-0"	WD	--	3'-4"	FR 1	HM	--	06	
A219	CORR	--	1	6'-8"	7'-0"	WD	--	7'-0"	EXIST	HM	--	--	EXISTING FRAME TO REMAIN, PAINT PT8 BOTH SIDES
A219A	SANFORD SUITE ENTRY	EXIST	1	3'-8"	7'-0"	WD	90 MIN DOOR, 120 MIN FRAME	4'-0"	EXIST	HM	--	48	2 HOUR FIRE WALL, PAINT PT8 ON CORRIDOR A219 SIDE ONLY
A220	STORAGE	EXIST	1	3'-0"	7'-0"	WD	--	3'-4"	EXIST	HM	--	--	PAINT EXISTING FRAME PT8 ON CORRIDOR SIDE ONLY
A221	STORAGE	EXIST	1	3'-0"	7'-0"	WD	--	3'-4"	EXIST	HM	--	--	PAINT EXISTING FRAME PT8 ON CORRIDOR SIDE ONLY
A223	EXIT CORR	F	1	3'-10"	7'-0"	WD	60 MIN	4'-2"	FR 1	HM	--	46	1 HOUR FIRE BARRIER

F1 **SECOND FLOOR PLAN**
3/16" = 1'-0"
0 4' 8'

FLOOR PLAN GENERAL NOTES:

OUT OF SCOPE

1. ALL WALL TYPES TO BE **GA2** UNLESS OTHERWISE NOTED ON PLANS. REFER TO SHEET **A4.700** FOR WALL TYPES.
2. FIELD VERIFY ALL MILLWORK OPENINGS.
3. REFER TO SHEET **A0.001** FOR ABBREVIATIONS, SYMBOLS, AND EQUIPMENT SCHEDULE.
4. REFER TO SHEET **A4.01a** FOR MATERIAL FINISH/COLOR SCHEDULE & INTERIOR SPECIFICATIONS.
5. ALL PLAN DIMENSIONS ARE NOMINAL TO FACE OF WALL. SEE WALL TYPES FOR ACTUAL THICKNESS. VERIFY DIMENSIONS WITH STRUCTURAL.
6. ALL DOOR/ SIDELITE OPENINGS TO BE 4" FROM ADJACENT WALL UNLESS OTHERWISE NOTED.
7. COORDINATE SIZE AND LOCATION OF ALL DUCT AND SHAFT OPENINGS IN WALLS AND FLOORS W/ MECHANICAL AND ELECTRICAL.
8. IN AREA OF CONSTRUCTION, FIRESAFE ALL EXISTING AND NEW WALL PENETRATIONS.
9. AT EXISTING SURFACES AFFECTED BY NEW WORK, PATCH / RESTORE EXISTING FINISHES AS REQUIRED FOR NEW FINISH.
10. 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.
11. FIELD VERIFY ALL DIMENSIONS AND ASBUILT EXISTING CONDITIONS. NOTIFY THE ARCHITECTS IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES OCCUR BEFORE AND/OR DURING CONSTRUCTION.
12. 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.
13. 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.
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. DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR TO VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO COMMENCING THE WORK.
16. SEAL ALL COUNTERTOPS, BACKSPLASHES AND CABINETS AT LOCATIONS WHERE THEY MEET WALLS. SEAL ALL CUT-OUTS IN COUNTERTOPS.
17. ALL CUTTING AND PATCHING REQUIRED FOR NEW MECHANICAL AND ELECTRICAL WORK IN EXISTING SPACES SHALL BE BY THE RESPECTIVE CONTRACTORS.
18. MATCH FINISHED WALL THICKNESS WHERE NEW WALLS OCCUR IN LINE WITH EXISTING WALLS.
19. ERECT DUSTPROOF PARTITIONS AS REQUIRED BY OWNER TO PROTECT ADJACENT AREAS.
20. 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.
21. SEAL AROUND ALL MECHANICAL AND ELECTRICAL EQUIPMENT PENETRATIONS AT RATED WALLS ABOVE AND BELOW CEILINGS WITH UL APPROVED FIRESTOPPING MATERIAL.
22. 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.
23. 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
24. FIELD VERIFY ALL COLUMNS. REFER TO ARCHITECTURAL DRAWINGS FOR COLUMN WRAPS.
25. **AT AREAS WHERE NEW FIRE ALARM AND NURSE CALL ARE BEING INSTALLED IN EXISTING WALLS OR CEILINGS, REMOVE AND SALVAGE EXISTING CEILING TILES FOR REINSALLATION. IF TILES ARE DAMAGED, CONTRACTOR TO PROVIDE NEW TILES. ALL GYPSUM BOARD CEILING AND WALLS TO BE PATCHED, REPAIRED, AND PAINTED TO MATCH EXISTING TEXTURE AND FINISH. ALL PENETRATIONS TO BE SEALED. SEE ELECTRICAL FOR EXTENTS.**

FLOOR PLAN KEY NOTES:

01 AT SHADED AREA RECESS CONCRETE SLAB FOR SHOWER.

02 ADD ALT #1: INSTALL NEW FLOORING (CPT1) AND BASE (RB1) AS SHOWN ON PLANS. PAINT ALL WALLS P1 UNLESS OTHERWISE INDICATED ON PLAN. HANDRAILS TO REMAIN.

03 PATCH WALLS WHERE DEVICES WERE REMOVED. PREP FOR NEW FINISHES.

04 INFILL CONCRETE SLAB AT EXISTING VESTIBULE GRATE. POUR, DOWEL, LEVEL, AND FEATHER INTO EXISTING SLAB.

05 RECESSED FIRE EXTINGUISHER CABINET (FEC). INSTALL PER DETAIL A FULLY RECESSED (FEC) B7/A4.703 AND SEMI-RECESSED PER DETAIL A7/A4.703

06 EVS MOP SINK AND SHELD. INSTALL PER DETAIL F6/A4.703

07 RECESSED AED CABINET. INSTALL PER DETAIL A7/A4.703

08 PATCH AND PAINT WALL AS REQ'D AFTER REMAOVAL OF STAINED GLASS

09 PATCH AND REPAIR EXISTING WALL AS REQ'D AS DISTURBED BY NEW CONSTRUCTION. MATCH EXISTING WALL FINISH AND CONSTRUCTION.

09 PATCH AND REPAIR EXISTING WALL AS REQ'D AS DISTURBED BY NEW CONSTRUCTION. MATCH EXISTING WALL FINISH AND CONSTRUCTION.

10 PROVIDE (1) ADDITIONAL LAYER OF 5/8" GYP BD SO EXTERIOR WALL IS FLUSH WITH INTERIOR WALL.

11 PATCH, REPAIR, AND/ OR REPLACE EXISTING APPLIED GYP AS REQ'D FOR A SMOOTH FINISH

12 REMOVE PORTION OF GYPSUM BD AND BLOCK TO CREATE A SHALLOW CHANNEL FOR EACH ELECTRICAL CONDUIT IN THIS ROOM. CREATE A 1/2" WIDE CHANNEL FOR POWER RECEPTACLES AND 1" WIDE CHANNEL FOR DATA RECEPTACLES (VERIFY). CREATE CHANNEL FROM NEW DEVICE LOCATION TO CEILING. SEE ELEC FOR LOCATIONS OF DEVICES.

13 ADD ALT #2 - PROVIDE NEW LAYER OF GYP BD AFTER THE INSTALLATION OF NEW FIXTURES.

14 ADD ALT #2 - PATCH AND REPAIR EXISTING WALLS AS REQ'D FOR A SMOOTH FINISH. SEE FINISH PLANS.

15 ADD ALT #2 - PROVIDE NEW OVERRIDE AT EXISTING ELEVATOR FOR RESIDENT SECURITY

Pelican Valley Senior Living Renovation

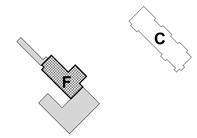
211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
MARTIN MECHANICAL DESIGN



KEY PLAN
SECOND FLOOR

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 **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**
North

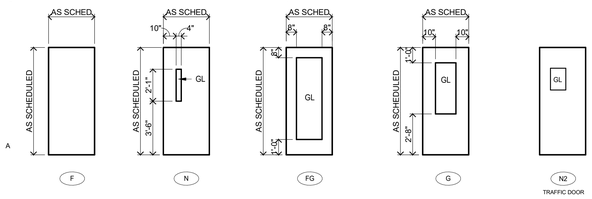
ADD ALT #2 - SECOND FLOOR PLAN - AREA F

Scale: **As indicated**

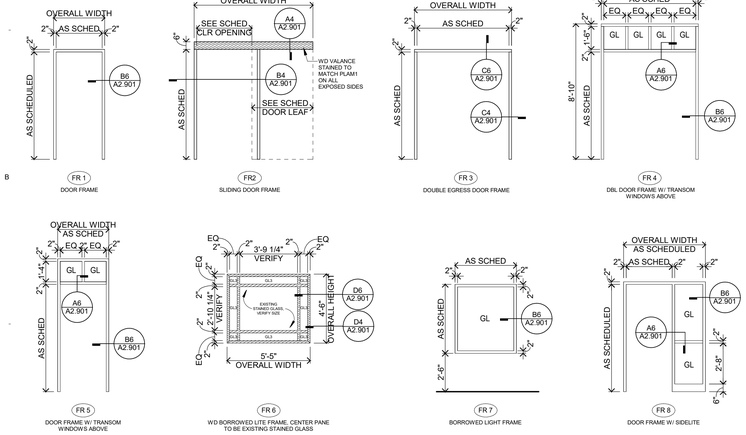
A2.02f

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039_Pelican Valley Senior Living_Renovation_25R24.rvt
1/28/2025 9:13:37 PM

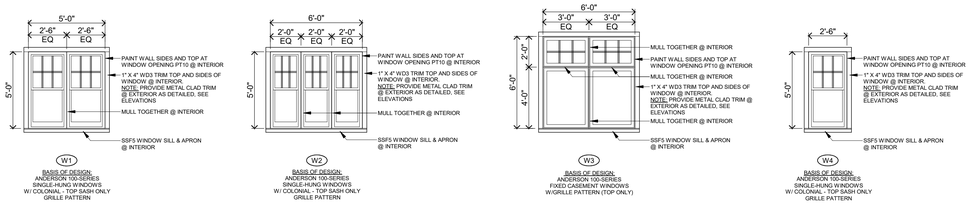
MN



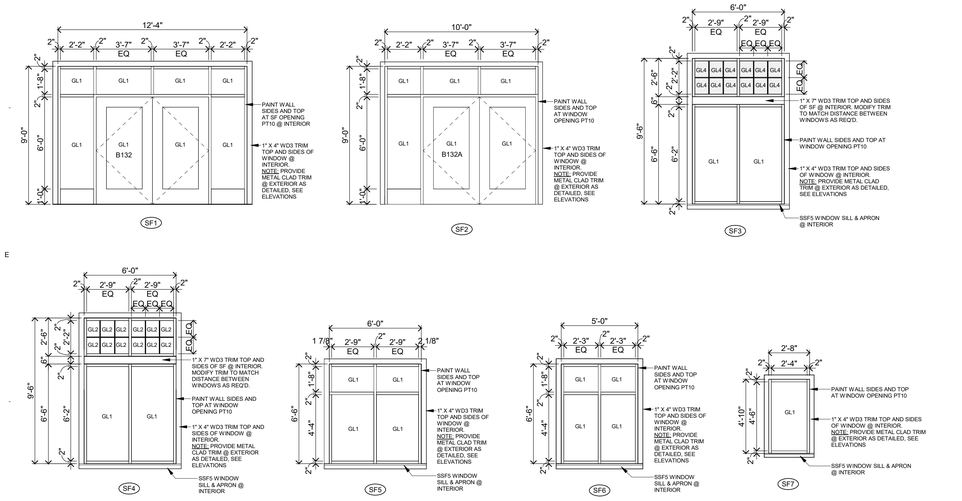
DOOR PANEL TYPES



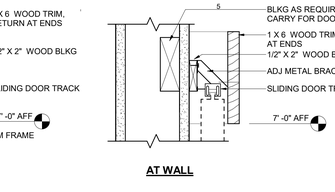
FRAME TYPES



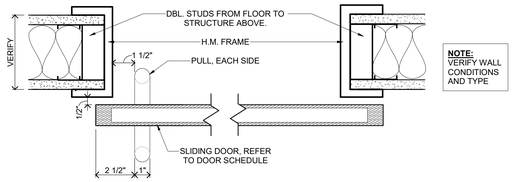
WINDOW TYPES



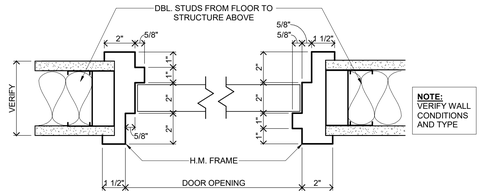
STOREFRONT TYPES



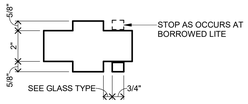
A4 FR2 SLIDING DOOR - HEAD
3" = 1'-0"



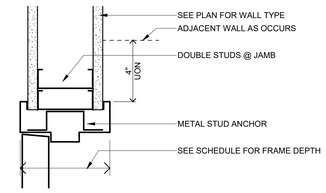
B4 FR2 SLIDING DOOR - JAMB
3" = 1'-0"



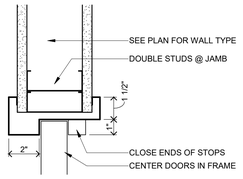
C4 HM DOUBLE EGRESS DOOR - JAMB
3" = 1'-0"



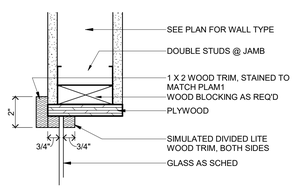
A6 MULLION AT DOOR OR BORROWED LITE
3" = 1'-0"



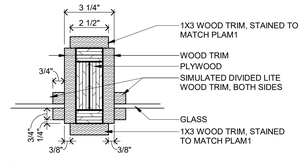
B6 JAMB (HEAD & SILL AT BORROWED LITE, SIMILAR)
3" = 1'-0"



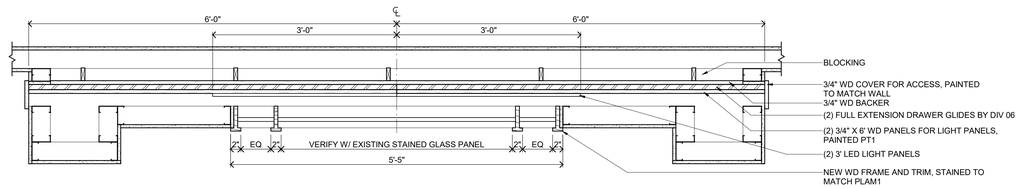
C6 DOUBLE EGRESS HEAD
3" = 1'-0"



D4 WD TRIM AT BORROWED LITE HEAD (JAMB SIMILAR)
3" = 1'-0"



D6 WD TRIM AT BORROWED LITE MULLION
3" = 1'-0"



F4 DETAIL AT CHAPEL STAINED GLASS
1" = 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
   GL2 = CLEAR GLAZING W/ GRILLE PATTERN
   GL3 = DECORATIVE GLAZING (BASIS OF DESIGN: MFR - ARCHITECTURAL GLASS, TYPE - FROSTLITE)
   GL4 = SPANDREL GLAZING W/ GRILLE PATTERN
5. ALL HM FRAMES TO BE PAINTED PT10 UNLESS NOTED OTHERWISE ON THE DOOR SCHEDULE.
6. ALL ALUMINUM DOORS AND FRAMES TO BE CLEAR ANODIZED ALUMINUM UNLESS NOTED OTHERWISE ON THE TYPES.

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.**

Pelican Valley Senior Living Renovation
211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
MARTIN MECHANICAL DESIGN

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 **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

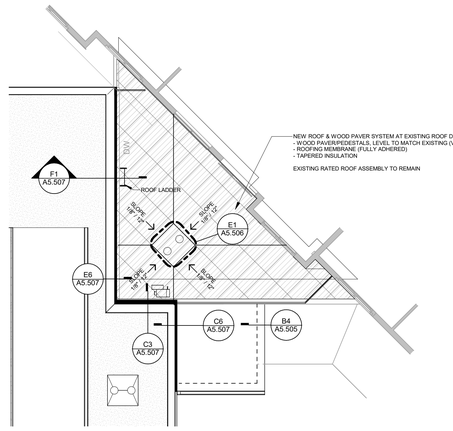
DOOR/ FRAME, WINDOW, STOREFRONT & INTERIOR BORROWED LIGHT TYPES & DETAILS

A2.901

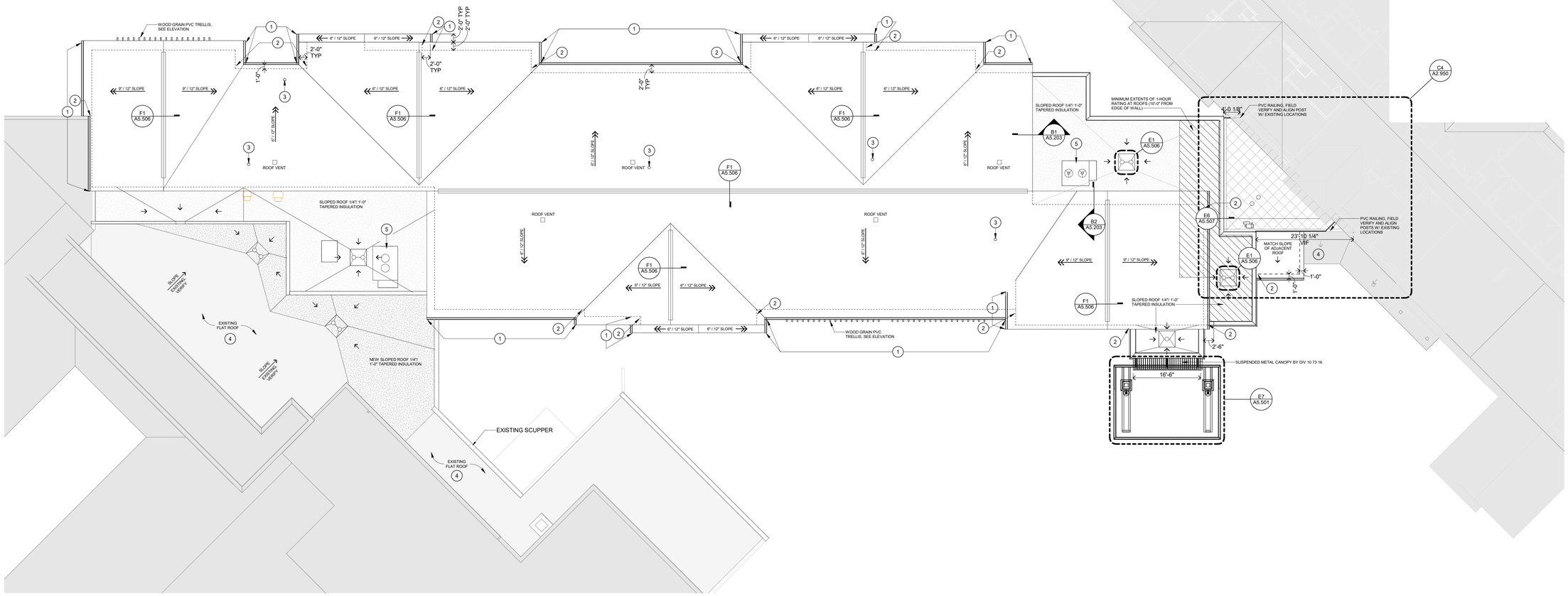
Autodesk Docs://250809 - Pelican Valley Senior Living Renovation/250809 - Pelican Valley Senior Living Renovation
1/28/2025 8:14:32 PM

A

MN



C4 ROOF DECK
1/8" = 1'-0"
0 6' 12'



F1 ROOF
3/32" = 1'-0"
0 8' 16'

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 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
- CRICKET FOR POSITIVE DRAINAGE
- SLOPE OF TAPERED INSULATION
- DIAMOND CRICKET (SEE TYPICAL DETAIL)
- SLOPED STRUCTURE
- ROOF LADDER

ROOF PLAN KEYNOTES

1. 6" PREFINISHED ALUMINUM GUTTER
2. 3" X 4" PREFINISHED ALUMINUM DOWNSPOUT
3. VENT THROUGH SLOPED ROOF, SEE B4/A5.506.
4. PATCH EXISTING ROOF AS REQ'D
5. RTU, SEE MECHANICAL

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN

KEY PLAN
FIRST FLOOR

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 **01/28/2025**

Revisions

Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

North

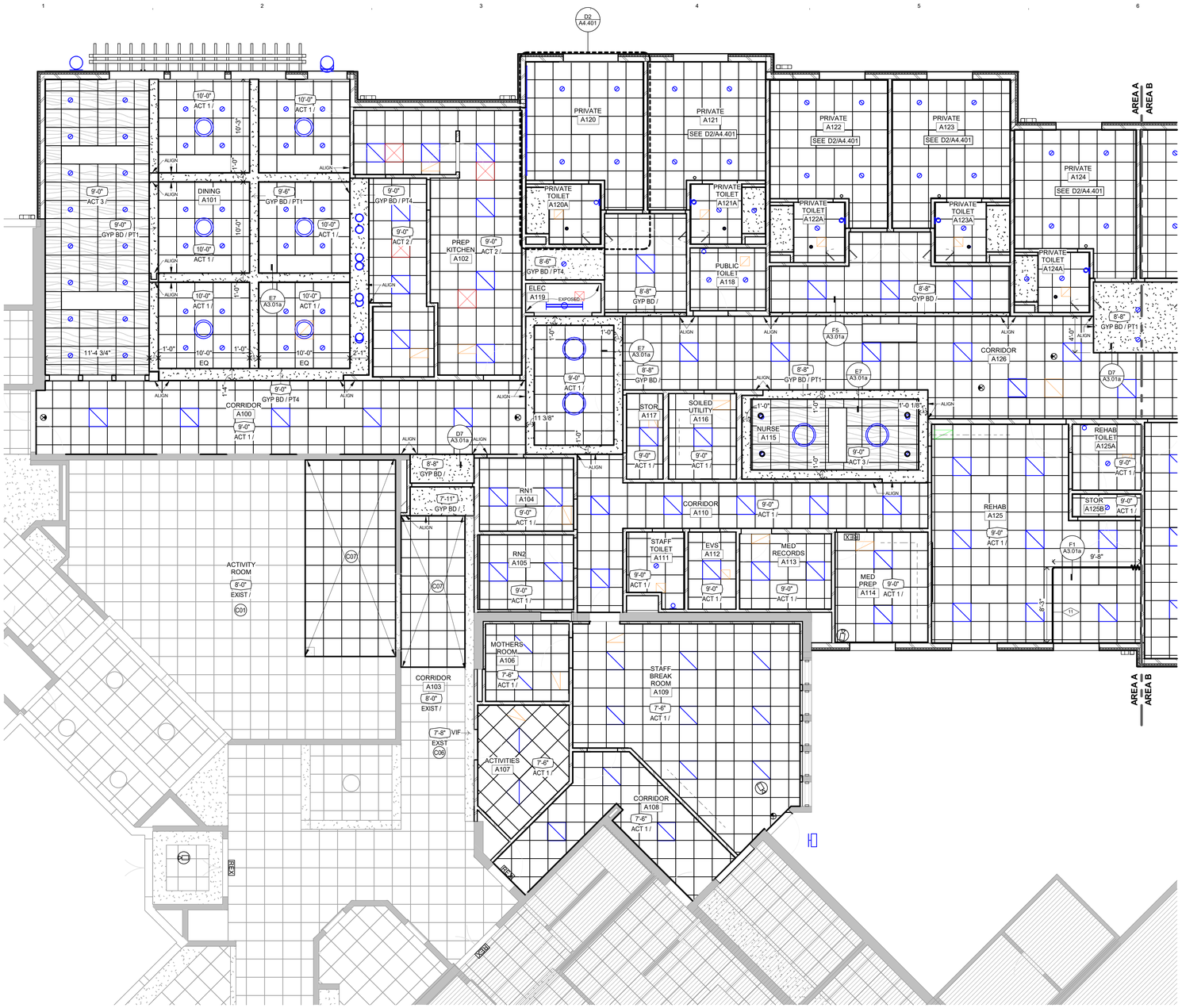
ROOF PLAN

Scale: **As Indicated**

A2.950

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation_22025.rvt
1/28/2025 9:14:38 PM

MN



E1 FIRST FLOOR REFLECTED CEILING PLAN AREA A
3/16" = 1'-0"

REFLECTED CEILING PLAN NOTES

A. CEILING HEIGHTS ARE 9'-0" AFF UNLESS NOTED OTHERWISE
B. VERTICAL FACE(S) OF SOFFIT TO MATCH ADJACENT WALL FINISH UNLESS OTHERWISE NOTED ON CEILING TAG. UNDERSIDE OF SOFFITS TO BE PAINTED PT7 UNLESS OTHERWISE NOTED.
C. REFER TO ROOM FINISH SCHEDULE FOR CEILING MATERIAL
D. PROVIDE GYPSUM BOARD AND STUD BULKHEADS WHERE CEILING OF DIFFERENT HEIGHTS ABUT. DO NOT BUILD BULKHEADS OF ACOUSTICAL CEILING MATERIAL UNLESS NOTED
E. REFER TO MECHANICAL DRAWINGS FOR QUANTITY, TYPE AND LOCATIONS OF DIFFUSERS, RETURN AIR GRILLES AND EXHAUST GRILLES. SCRIBE CEILING MATERIALS CAREFULLY FOR TIGHT FIT
F. 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
G. ALTHOUGH NOT SPECIFICALLY SHOWN, THE ENTIRE PROJECT HAS FIRE SPRINKLER HEADS IN CEILING. SCRIBE CEILING MATERIALS CAREFULLY FOR TIGHT FIT
H. REFER TO MATERIAL FINISH SCHEDULE FOR THE GRID SYSTEM. REFLECTED CEILING PLANS SHOW TILE PATTERNS
I. CONTRACTOR TO FIELD VERIFY EXTENT OF CEILING REPLACEMENT. CONTRACTOR TO COORDINATE WITH ALL TRADES
J. ALL EXISTING TO REMAIN GRILLES, DIFFUSERS AND LIGHTS, ETC... TO BE CLEANED
K. VERIFY CEILING HEIGHTS WITH STRUCTURE AND DUCTWORK
L. SCRIBE CEILING MATERIALS FOR TIGHT FIT
M. CENTER EXHAUST GRILLE OVER TOILET BOWL IN TOILET ROOMS WITH GYPSUM BOARD CEILIINGS UNLESS OTHERWISE NOTED
N. CENTER RECESSED LIGHT FIXTURES WITHIN TOILET ROOMS RECEIVING GYPSUM BOARD CEILINGS UNLESS OTHERWISE NOTED
O. 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
P. CENTER SPRINKLER HEADS IN CEILING TILE, TYPICAL

NOT IN SCOPE OF WORK

RCP LEGEND

SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES AND LOCATIONS. FIXTURES AND EQUIPMENT SHOWN ON ARCHITECTURAL RCPS ARE NOT COMPREHENSIVE AND ARE SHOWN **FOR REFERENCE ONLY**

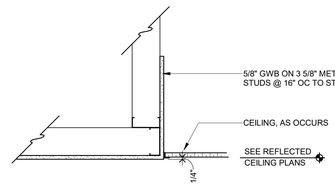
CEILING HEIGHT — 9'-0"
CEILING MATL — ACT 1/-

CEILING HEIGHT — 9'-0"
CEILING MATL/ FINISH — GYP BD/ PT3

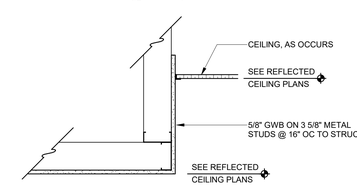
NOTES:
- NO FINISH INDICATES TO MATCH ADJACENT WALL FINISH.
- FINISH INDICATES THE FINISH OF ALL VERTICAL FACES.
- UNDERSIDE/ HORIZONTAL FACES TO ALWAYS BE PAINTED PT7 UNLESS OTHERWISE NOTED

RCP KEY NOTES:

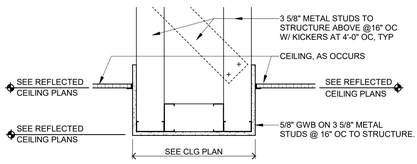
C01 PATCH EXISTING CEILINGS AS REQ'D.
C02 PAINT ALL EXPOSED STRUCTURE, MECHANICAL AND ELECTRICAL TO MATCH ADJACENT WALL PAINT. DO NOT PAINT FIRE ALARM WIRES OR EQUIPMENT TAGS.
C03 ADD ALT #2 - PATCH EXISTING CEILINGS AS REQ'D. PAINT ALL EXISTING GYP BOARD CEILINGS IN ROOM PT7 AT UNDERSIDE AND PT1 AT VERTICAL FACES.
C04 ADD ALT #2 - PROVIDE NEW ACT TILES ONLY, GRID TO REMAIN. PATCH AND REPAIR EXISTING GRID AS REQ'D.
C05 ADD ALT #2 - PATCH EXISTING CEILING AFTER REMOVAL OF WALL, INTENT IS FOR INFILL TO MATCH HT OF ADJACENT CEILING.
C06 PATCH AND REPAIR EXISTING SOFFIT AS REQ'D AND PAINT PT1.
C07 REINSTALL SALVAGED TILES AND COORDINATE WITH ARCHITECT ON THE REPLACEMENT OF ANY BROKEN TILES. PROVIDE NEW GRID AS NECESSARY AND TIE INTO EXISTING
C08 PAINT ALL SIDES OF SOFFIT FINISH AS TAGGED (UNDERSIDE AND ALL VERTICAL FACES)



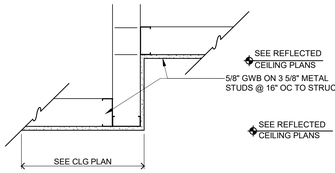
C7 GYPSUM BOARD SOFFIT TO ACT - FLUSH
1 1/2" = 1'-0"



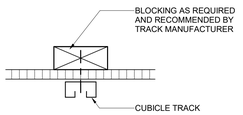
D7 GYPSUM BOARD SOFFIT TO ACT
1 1/2" = 1'-0"



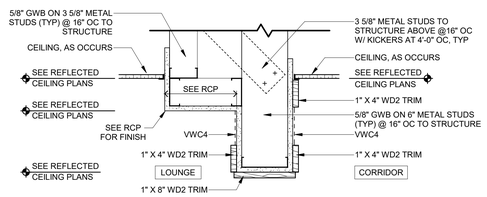
E7 GYPSUM BOARD SOFFIT
1 1/2" = 1'-0"



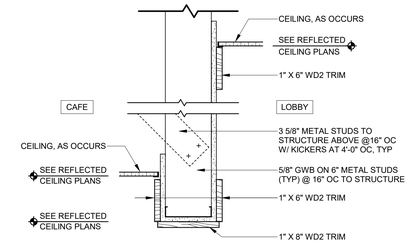
F7 GYPSUM BOARD SOFFIT TO GYPSUM BOARD SOFFIT
1 1/2" = 1'-0"



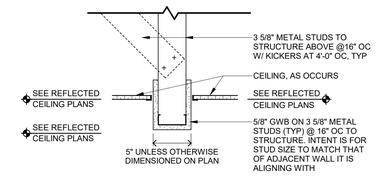
F1 INT DTL - RCP - CUBICLE TRACK
1" = 1'-0"



F2 GYPSUM BOARD BULKHEAD W/ TRIM AT LOUNGE
1 1/2" = 1'-0"



F4 GYPSUM BOARD BULKHEAD W/ TRIM @ ENTRY
1 1/2" = 1'-0"



F5 GYPSUM BOARD BULKHEAD
1 1/2" = 1'-0"

A

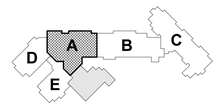
Pelican Valley Senior Living Renovation
211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
MARTIN MECHANICAL DESIGN



KEY PLAN
FIRST FLOOR

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: 01/28/2025

Revisions		
Description	Date	Num

Comm: 246039
Date: 01/28/2025
Drawn: CN, JDV
Check: GB
North

FIRST FLOOR REFLECTED CEILING PLAN - AREA A

Scale: As Indicated

A3.01a

Submitted Date: 01/28/2025 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation
1/28/2025 9:41:11 PM

MN

RCP KEY NOTES:

- C01 PATCH EXISTING CEILINGS AS REQ'D.
- C02 PAINT ALL EXPOSED STRUCTURE, MECHANICAL AND ELECTRICAL TO MATCH ADJACENT WALL PAINT. DO NOT PAINT FIRE ALARM WIRES OR EQUIPMENT TAGS.
- C03 ADD ALT #2 - PATCH EXISTING CEILINGS AS REQ'D. PAINT ALL EXISTING GYP BOARD CEILINGS IN ROOM PT7 AT UNDERSIDE AND PT1 AT VERTICAL FACES.
- C04 ADD ALT #2 - PROVIDE NEW ACT TILES ONLY, GRID TO REMAIN. PATCH AND REPAIR EXISTING GRID AS REQ'D.
- C05 ADD ALT #2 - PATCH EXISTING CEILING AFTER REMOVAL OF WALL, INTENT IS FOR INFILL TO MATCH HT OF ADJACENT CEILING.
- C06 PATCH AND REPAIR EXISTING SOFFIT AS REQ'D AND PAINT PT1.
- C07 REINSTALL SALVAGED TILES AND COORDINATE WITH ARCHITECT ON THE REPLACEMENT OF ANY BROKEN TILES. PROVIDE NEW GRID AS NECESSARY AND TIE INTO EXISTING
- C08 PAINT ALL SIDES OF SOFFIT FINISH AS TAGGED (UNDERSIDE AND ALL VERTICAL FACES)

RCP LEGEND

SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES AND LOCATIONS. FIXTURES AND EQUIPMENT SHOWN ON ARCHITECTURAL RCPS ARE NOT COMPREHENSIVE AND ARE SHOWN **FOR REFERENCE ONLY**

CEILING HEIGHT ——► 9'-0"
CEILING MATL ——► ACT 1/-

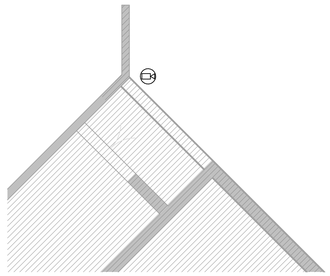
CEILING HEIGHT ——► 9'-0"
CEILING MATL/ FINISH ——► GYP BD/ PT3

NOTES:
- NO FINISH INDICATES TO MATCH ADJACENT WALL FINISH.
- FINISH INDICATES THE FINISH OF ALL VERTICAL FACES.
- UNDERSIDE/ HORIZONTAL FACES TO ALWAYS BE PAINTED PT7 UNLESS OTHERWISE NOTED

REFLECTED CEILING PLAN NOTES

A. CEILING HEIGHTS ARE 9'-0" AFF UNLESS NOTED OTHERWISE
B. VERTICAL FACE(S) OF SOFFIT TO MATCH ADJACENT WALL FINISH UNLESS OTHERWISE NOTED ON CEILING TAG. UNDERSIDE OF SOFFITS TO BE PAINTED PT7 UNLESS OTHERWISE NOTED.
C. REFER TO ROOM FINISH SCHEDULE FOR CEILING MATERIAL
D. PROVIDE GYPSUM BOARD AND STUD BULKHEADS WHERE CEILING OF DIFFERENT HEIGHTS ABUT. DO NOT BUILD BULKHEADS OF ACOUSTICAL CEILING MATERIAL UNLESS NOTED
E. REFER TO MECHANICAL DRAWINGS FOR QUANTITY, TYPE AND LOCATIONS OF DIFFUSERS, RETURN AIR GRILLES AND EXHAUST GRILLES. SCRIBE CEILING MATERIALS CAREFULLY FOR TIGHT FIT
F. 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
G. ALTHOUGH NOT SPECIFICALLY SHOWN, THE ENTIRE PROJECT HAS FIRE SPRINKLER HEADS IN CEILING. SCRIBE CEILING MATERIALS CAREFULLY FOR TIGHT FIT
H. REFER TO MATERIAL FINISH SCHEDULE FOR THE GRID SYSTEM. REFLECTED CEILING PLANS SHOW TILE PATTERNS
I. CONTRACTOR TO FIELD VERIFY EXTENT OF CEILING REPLACEMENT. CONTRACTOR TO COORDINATE WITH ALL TRADES
J. ALL EXISTING TO REMAIN GRILLES, DIFFUSERS AND LIGHTS, ETC... TO BE CLEANED
K. VERIFY CEILING HEIGHTS WITH STRUCTURE AND DUCTWORK
L. SCRIBE CEILING MATERIALS FOR TIGHT FIT
M. CENTER EXHAUST GRILLE OVER TOILET BOWL IN TOILET ROOMS WITH GYPSUM BOARD CEILIINGS UNLESS OTHERWISE NOTED
N. CENTER RECESSED LIGHT FIXTURES WITHIN TOILET ROOMS RECEIVING GYPSUM BOARD CEILINGS UNLESS OTHERWISE NOTED
O. 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
P. CENTER SPRINKLER HEADS IN CEILING TILE, TYPICAL

NOT IN SCOPE OF WORK



F1 **MAIN LEVEL REFLECTED CEILING PLAN AREA B**
3/16" = 1'-0"
0 4' 8'

A

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

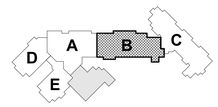
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN



KEY PLAN
FIRST FLOOR

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: **01/28/2025**

Revisions

Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

North

FIRST FLOOR REFLECTED CEILING PLAN - AREA B

Scale: **As indicated**

A3.01b

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation_23D2021.rvt
12/26/2025 9:14:36 PM

MN

REFLECTED CEILING PLAN NOTES

A. CEILING HEIGHTS ARE 9'-0" AFF UNLESS NOTED OTHERWISE
B. VERTICAL FACE(S) OF SOFFIT TO MATCH ADJACENT WALL FINISH UNLESS OTHERWISE NOTED ON CEILING TAG. UNDERSIDE OF SOFFITS TO BE PAINTED PT7 UNLESS OTHERWISE NOTED.
C. REFER TO ROOM FINISH SCHEDULE FOR CEILING MATERIAL
D. PROVIDE GYPSUM BOARD AND STUD BULKHEADS WHERE CEILING OF DIFFERENT HEIGHTS ABUT. DO NOT BUILD BULKHEADS OF ACOUSTICAL CEILING MATERIAL UNLESS NOTED
E. REFER TO MECHANICAL DRAWINGS FOR QUANTITY, TYPE AND LOCATIONS OF DIFFUSERS, RETURN AIR GRILLES AND EXHAUST GRILLES. SCRIBE CEILING MATERIALS CAREFULLY FOR TIGHT FIT
F. 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
G. ALTHOUGH NOT SPECIFICALLY SHOWN, THE ENTIRE PROJECT HAS FIRE SPRINKLER HEADS IN CEILING. SCRIBE CEILING MATERIALS CAREFULLY FOR TIGHT FIT
H. REFER TO MATERIAL FINISH SCHEDULE FOR THE GRID SYSTEM. REFLECTED CEILING PLANS SHOW TILE PATTERNS
I. CONTRACTOR TO FIELD VERIFY EXTENT OF CEILING REPLACEMENT. CONTRACTOR TO COORDINATE WITH ALL TRADES
J. ALL EXISTING TO REMAIN GRILLES, DIFFUSERS AND LIGHTS, ETC... TO BE CLEANED
K. VERIFY CEILING HEIGHTS WITH STRUCTURE AND DUCTWORK
L. SCRIBE CEILING MATERIALS FOR TIGHT FIT
M. CENTER EXHAUST GRILLE OVER TOILET BOWL IN TOILET ROOMS WITH GYPSUM BOARD CEILIINGS UNLESS OTHERWISE NOTED
N. CENTER RECESSED LIGHT FIXTURES WITHIN TOILET ROOMS RECEIVING GYPSUM BOARD CEILINGS UNLESS OTHERWISE NOTED
O. 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
P. CENTER SPRINKLER HEADS IN CEILING TILE, TYPICAL

NOT IN SCOPE OF WORK

RCP LEGEND

SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR FIXTURE TYPES AND LOCATIONS. FIXTURES AND EQUIPMENT SHOWN ON ARCHITECTURAL RCPS ARE NOT COMPREHENSIVE AND ARE SHOWN **FOR REFERENCE ONLY**

CEILING HEIGHT ——► 9'-0"
CEILING MATL ——► ACT 1/-

CEILING HEIGHT ——► 9'-0"
CEILING MATL/ FINISH ——► GYP BD/ PT3

NOTES:
- NO FINISH INDICATES TO MATCH ADJACENT WALL FINISH.
- FINISH INDICATES THE FINISH OF ALL VERTICAL FACES.
- UNDERSIDE/ HORIZONTAL FACES TO ALWAYS BE PAINTED PT7 UNLESS OTHERWISE NOTED

RCP KEY NOTES:

C01 PATCH EXISTING CEILINGS AS REQ'D.
C02 PAINT ALL EXPOSED STRUCTURE, MECHANICAL AND ELECTRICAL TO MATCH ADJACENT WALL PAINT. DO NOT PAINT FIRE ALARM WIRES OR EQUIPMENT TAGS.
C03 ADD ALT #2 - PATCH EXISTING CEILINGS AS REQ'D. PAINT ALL EXISTING GYP BOARD CEILINGS IN ROOM PT7 AT UNDERSIDE AND PT1 AT VERTICAL FACES.
C04 ADD ALT #2 - PROVIDE NEW ACT TILES ONLY, GRID TO REMAIN. PATCH AND REPAIR EXISTING GRID AS REQ'D.
C05 ADD ALT #2 - PATCH EXISTING CEILING AFTER REMOVAL OF WALL, INTENT IS FOR INFILL TO MATCH HT OF ADJACENT CEILING.
C06 PATCH AND REPAIR EXISTING SOFFIT AS REQ'D AND PAINT PT1.
C07 REINSTALL SALVAGED TILES AND COORDINATE WITH ARCHITECT ON THE REPLACEMENT OF ANY BROKEN TILES. PROVIDE NEW GRID AS NECESSARY AND TIE INTO EXISTING
C08 PAINT ALL SIDES OF SOFFIT FINISH AS TAGGED (UNDERSIDE AND ALL VERTICAL FACES)

F1 **SECOND FLOOR REFLECTED CEILING PLAN**
3/16" = 1'-0"
0 4' 8'

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
MARTIN MECHANICAL DESIGN

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 **01/28/2025**

Revisions

Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**
North

ADD ALT #2 - SECOND FLOOR REFLECTED CEILING PLAN - AREA F

Scale: **As indicated**

A3.02f

A

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation_22R25.rvt
1/28/2025 9:14:20 PM

FINISH PLAN GENERAL NOTES

1. COORDINATE WITH INTERIOR ELEVATIONS FOR LOCATIONS OF WALL BASE, TILE, AND OTHER 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 PTX, UNLESS NOTED OTHERWISE.
11. ALL WINDOW SILLS ARE TO BE SOLID SURFACE, SSF4.
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.
15. PROVIDE VINYL BASE AT CASEWORK UNLESS OTHERWISE NOTED. SEE ELEVATIONS AND MATERIAL ID FOR BASE TYPE AT CASEWORK.
16. FIELD VERIFY EXISTING CONDITIONS AT TRANSITIONS BETWEEN EXISTING AND NEW.

PROVIDE FLOORING TRANSITIONS PER DETAIL D6/A4.703
PROVIDE TILE TRANSITIONS PER DETAIL D7/A4.703

● CORNER GUARD, CG1, CG2, CG3, CG4 - SEE DETAIL A6/A4.703

◌ ENDWALL GUARD, EW1, EW3, EW4 - SEE DETAIL B6/A4.703

(WT2) WINDOW TREATMENT, WT2 - SEE MATERIAL ID

(WT1) WINDOW TREATMENT, WT1 - SEE MATERIAL ID

FINISH PLAN KEYNOTES

(F01) REFER TO ELEVATIONS FOR FINISH PLACEMENT.

(F02) ADD ALT #2 - PROVIDE CORRIDOR HANDRAIL FINISHES PER DETAIL C2/A0.001

(F03) WALL PROTECTION HEIGHT NOTED IN MATERIAL ID.

(F04) OMIT VWC BELOW HR BACKER AND REPLACE WITH PT AS SCHEDULED.

(F05) PROVIDE CORRIDOR HANDRAIL FINISHES PER DETAILC2/A0.001

(F06) STOPPING POINT OF CORRIDOR HANDRAIL FINISHES (HR, HR BACKER, VWC AS OCCURS).

(F07) DECORATIVE OPEN PARTITION, SEE ELEVATIONS FOR FINISHES ON BOTH SIDES

(F08) FAUX COLUMN, SEE A5/A4.702 FOR FINISHES

(F09) PROVIDE HR1 AND HR BACKER BOARD ONLY AT THIS LOCATION. SEE ELEVATIONS FOR EXACT EXTENTS.

MN

A

F1 FIRST FLOOR FINISH PLAN - AREA A
3/16" = 1'-0"
0 4' 8'

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation_r20_Central.rvt
1/28/2025 8:58:07 PM

MATERIAL ID

NOTE: NUMBERS SKIPPED = NOT USED

SPEC SECTION	FINISH CODE	MANUFACTURER	PATTERN/ MODEL	COLOR	SIZE	INSTALL METHOD/LOCATION
06 41 00	**PLAM**	**PLASTIC LAMINATE**				
	PLAM1	FORMICA	5795-NG	CAMEL ELM (NATURAL GRAIN FINISH)		
	PLAM2	WILSONART	8211K-28 (GLOSS LINE FINISH AEON SCRATCH RESISTANCE)	PHANTOM PEARL		
	PLAM3	WILSONART	8211K-38 FINE VELVET FINISH	PHANTOM PEARL		LOUNGE DESK TOP (HORIZONTAL SURFACE)
	PULL1	AMEROCK	MODEL: HIGHLAND RIDGE BP53319G10 (CENTER-TO-CENTER PULL)	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 41 00	**SSF**	**SIMULATED STONE FABRICATIONS**				
	SSF1	WILSONART	SOLID SURFACE	YUKON RIVERSTONE 9196RS	THICKNESS: 2CM; MITERED EASED EDGE	
	SSF2	CORIAN	SOLID SURFACE	ASH AGGREGATE	THICKNESS: 2CM; MITERED EASED EDGE	RECEPTION DESK TRANSACTION TOP
	SSF3	CORIAN	SOLID SURFACE	LINEN		TOILETS, SPA, MEDS, SOILED
	SSF4	CORIAN	SOLID SURFACE	CAMEO WHITE		WINDOW SILLS
	SSF5	CORIAN	SOLID SURFACE INTEGRAL SINK BOWL	CAMEO WHITE	#810P	TOILETS, SPA
06 41 00	**WD**	**WOOD TRIM**				
	WD1	SPECIES: MAPLE	WOOD MOULDING	CUSTOM STAINED TO MATCH PLAM1	1/2"X1 1/2" TRADITIONAL PICTURE FRAME MOULDING	MITER CORNERS AT ALL TRIM LOCATIONS. EASE ALL EDGES FOR SMOOTH AND NOT SHARP CORNERS. LOCATION: INTERIOR DECORATIVE WALL PICTURE FRAME MOULDING TRIM
	WD2	SPECIES: MAPLE	W'OOD	CUSTOM STAINED TO MATCH PLAM1	SEE DETAILS AND ELEVATIONS	MITER CORNERS AT ALL TRIM LOCATIONS. EASE ALL EDGES FOR SMOOTH AND NOT SHARP CORNERS. LOCATION: INTERIOR DECORATIVE WALL TRIM, DOORS, CORRIDOR HR BACKER
	WD3	SPECIES: POPLAR	WOOD	PAINT PT10	SEE DETAILS AND ELEVATIONS	MITER CORNERS AT ALL TRIM LOCATIONS. EASE ALL EDGES FOR SMOOTH AND NOT SHARP CORNERS. LOCATION: PAINTED TRIM, WINDOW AND STOREFRONT CASING
09 30 00	**TILE**	**CERAMIC TILE**				
	TILE1	VIRGINIA TILE CAESAR CERAMICS USA	PATHWAY (MATTE, RECTIFIED)	WIND	SIZE: 12"X24" THICKNESS: 9MM	INSTALL MONOLITHIC W/COVE BASE TS2 GROUT: MAPEI 5027 SILVER LOCATION: FLOOR TILE
	TILE2	DALTILE	KEYSTONES	0782 (GRAY)	SIZE: 2"X2" SQUARE (12" SHEET)	GROUT: 5019 PEARL GRAY LOCATION: SHOWER FLOOR TILE
	TILE3	VIRGINIA TILE CAESAR CERAMICS USA	PATHWAY (MATTE, RECTIFIED)	ICE	SIZE: 12"x24", 9MM THICKNESS	INSTALL MONOLITHIC W/TRIM TS3 AT TOP & OUTSIDE CORNERS GROUT: MAPEI 5093 WARM GRAY; LOCATION: WALL TILE
	TILE4	CERAMIC TILEWORKS	DOLMIX (MATTE, RECTIFIED)	LIGHT	SIZE: 24"x24", 9MM THICKNESS	INSTALL MONOLITHIC W/COVE BASE TS2; GROUT: MAPEI 5002 PEWTER LOCATION: SPA FLOOR TILE
	TILE5	DALTILE	KEYSTONES	DESERT GRAY D014	SIZE: 2"x2" SQUARE (12"SHEET)	GROUT: MAPEI 5002 PEWTER LOCATION: SHOWER FLOOR TILE
	TILE6	CERAMIC TILEWORKS	ELEMENTS DESIGN	WHITE	SIZE: 12"x24", 9MM THICKNESS	INSTALL MONOLITHIC W/TRIM TS3 AT TOP & OUTSIDE CORNERS GROUT: MAPEI 5093 WARM GRAY LOCATION: SPA WALL TILE
	TILE7	CERAMIC TILEWORKS	ALIVAR HEXAGON NATURAL (MATTE)	EMORY TAUPE	SIZE: 5"x6" HEXAGON; 9MM THICKNESS	REFER TO ELEVATIONS FOR INSTALL LOCATION; GROUT: MAPEI 5093 WARM GRAY LOCATION: SPA ACCENT WALL TILE
	TILE8	CERAMIC TILEWORKS	ALIVAR HEXAGON NATURAL (MATTE)	TUSCOLA GREY	SIZE: 5"x6" HEXAGON; 9MM THICKNESS	INSTALL W/TRIM TS4 AT TOP & OUTSIDE CORNERS; REFER TO ELEVATIONS FOR INSTALL LOCATION GROUT: MAPEI 5027 SILVER; LOCATION: CAFE, STAFF LOUNGE
	TILE9	KATE LO TILE AND STONE	CERAMICHE MARCA CORONA-TEXTILE	D564 TEX.DARK	3"X12"	REFER TO ELEVATIONS FOR INSTALL LOCATION GROUT: MAPEI 5010 BLACK LOCATION: LOUNGE, DINING
	TILE8					INSTALL MONOLITHIC W/COVE BASE TS2 AND TS3 AT TOP
	TILE81	VIRGINIA TILE CAESAR CERAMICS USA	PATHWAY (MATTE, RECTIFIED)	ICE	SIZE: 6"X24" THICKNESS: 9MM	GROUT: MAPEI 5027 SILVER LOCATION: TILE BASE IN SECOND FLOOR SHOWER ROOM
09 30 00	**QT**	**QUARRY TILE**				
	QT1	DALTILE	QUARRY TILE	0Q42 ARID GRAY, MATTE	6"X6"	GROUT: KERAPOXY IEG CQ EPOXY, CLR: TBD LOCATION: KITCHEN
	QTB1	DALTILE	QUARRY TILE	ARID GRAY COVE	6"X6"	INSTALL MATCH QUARRY COVE TILE BASE, CORNERS, &TRIMS AS NECESSARY LOCATION: KITCHEN
	TS	**METAL TRANSITION STRIP**				TILE TO LVT OR CARPET
	TS1	SCHLUTER	SCHIENE, METAL TRANSITION STRIP	SATIN NICKEL ANODIZED ALUMINUM		
	TS2	SCHLUTER	DILEX AHK, COVE BASE	SATIN NICKEL ANODIZED ALUMINUM	PROVIDE CONNECTOR TRIM PIECES	COVE BASE IN TOILET ROOMS WHERE FLOOR TILE MEETS WALL TILE
	TS3	SCHLUTER	QUADEC (TOILET ROOMS ONLY)	SATIN NICKEL ANODIZED ALUMINUM	PROVIDER CONNECTOR TRIM PIECES	OUTSIDE CORNERS & TOP TRIM AT WALL TILE, TOILET ROOMS ONLY
	TS4	SCHLUTER	JOLLY	SATIN NICKEL ANODIZED ALUMINUM	PROVIDER CONNECTOR TRIM PIECES	TRIM AT WALL TILE BACKSPLASH LOCATIONS, KITCHEN & CAFE
	TS5	SCHLUTER	VINPRO-S, RESILIENT SURFACE EDGE PROTECTION PROFILE WITH MINIMAL REVEAL	SATIN NICKEL ANODIZED ALUMINUM		INSTALL AT TOP OF INTEGRAL RESILIENT COVE BASE
	TS	**RESILIENT TRANSITION STRIP**				
	TS6	TARKETT	METALEDGE (PVC TRANSITION TRIM)	BRASS		SHEET VINYL TO CARPET OR LVT TRANSITION
	TS7	WOLF GORDON	EXTRUDED VINYL TOP/END CAPS	541 WHITE SAND	8' AND 10' LENGTHS	TRIM TO PAINTED WALL TRANSITION
09 51 00	**ACT**	**ACOUSTIC CEILING TILE**				
	ACT1	ARMSTRONG	DUNE 1774	WHITE	24" X 24"	SUSPENSION SYSTEM: PRELUDE 15/16", WHITE
	ACT2	ARMSTRONG	CLEAN ROOM FL, FIELD PANEL	WHITE	24" X 24", SQUARE LAY-IN	SUSPENSION SYSTEM: PRELUDE 15/16", CLEAN ROOM, WHITE
	ACT3	ARMSTRONG	WOODWORKS TEGULAR PANELS, W1 (UNPERFORATED)	PLAIN SLICE - LIGHT CHERRY	24" X 24"	SUSPENTION SYSTEM: TEGULAR 9/16" SUPRAFINE XL 12' HEAVY DUTY MAIN BEAM, BLACK
	ACT4	ARMSTRONG	DUNE 1774	WHITE	24" X 48", VERIFY PROFILE	EXISTING GRID
09 65 00	**RSF**	**RESILIENT SHEET FLOORING**				
	RSF1	TEKNOFLOR	FORESTSCAPES HPD (SHEET VINYL); 20 MIL WEAR LAYER	88062 MULCH	SIZE: 6'-0"W; THICKNESS: 2.3MM	MATCHING WELDING ROD LOCATION: RESIDENT ROOMS
	RSF2	TEKNOFLOR	DESIGNSCAPES HPD (SHEET VINYL); 20 MIL WEAR LAYER	1363 FIELDS OF DREAMS	SIZE: 6'-0"W; THICKNESS: 2.3MM	MATCHING WELDING ROD
	RSF2	TEKNOFLOR	MEDSCAPES HPD (SHEET VINYL)	CLR: 88603P WHITE SANDS	SIZE: 6'-7"W; THICKNESS: 2.0MM	MATCHING WELDING ROD
	LVT	**LUXURY VINYL TILE**				LOCATION: CLEAN AND SOILED UTILITY, LAUNDRY
	LVT1	MANNINGTON	NO RESERVATIONS XPRESS-WOOD (LUXURY VINYL TILE)	INTREPID	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) LOCATION: DINING, BEAUTY/BARBER
	LVT2	J&J FLOORING	TATAMI V5003 (LUXURY VINYL TILE)	1017 NARA	SIZE: 18"X36" PLANK THICKNESS: 5.0MM, WEAR LAYER THICKNESS: 20MIL	INSTALL METHOD: PARQUET LOCATION: STAFF BREAKROOM, MOTHERS ROOM
09 65 00	**RB**	**VINYL WALL BASE**				
	RB1	JOHNSONITE	PATTERN: 4"H TRADITIONAL WALL BASE (VINYL BASE)	32 PEBBLE	4" HIGH	FIELD BASE
	RB2	JOHNSONITE	PATTERN: 4"H TRADITIONAL WALL BASE (VINYL BASE)	24 GREY HAZE (MATCH PLAM2)	4" HIGH	TOE KICK BASE AT PLAM2 CABINET BASE
	RB3	JOHNSONITE	PATTERN: 4"H TRADITIONAL WALL BASE (VINYL BASE)	TA1 TANNERY WB (MATCH PLAM1)	4" HIGH	TOE KICK BASE AT PLAM1 CABINET BASE
	RB4	JOHNSONITE	PATTERN: 6"H EXHIBIT WALL BASE (VINYL BASE)	TA1 TANNERY WB (MATCH PLAM1)	6" HIGH	BASE AT WC4 WOOD LOOK WALLS AND AS NOTED ON FINISH PLANS
09 68 13	**CPT**	**CARPET**				
	CPT1	MANNINGTON	GANSEY	SEED 12723	SIZE: 12"X48" TILE	INSTALL METHOD: 3-STEP VERTICAL ASHLAR LOCATION: CORRIDOR
	CPT2	MANNINGTON	GANSEY	RIB 12724	SIZE: 12"X48" TILE	INSTALL METHOD: 3-STEP VERTICAL ASHLAR LOCATION: LOUNGE, OFFICES, MULTIPURPOSE
	CPT3	J&J FLOORING	UMBRA II	TWILIGHT 1761	SIZE: 18"X36" TILE	POLYESTER FELT CUSHION LOCATION: REHAB
	CPT4	MANNINGTON	FORCE (WALK OFF MAT TILE)	KINETIC	SIZE: 18"X36" TILE	INSTALL METHOD: HORIZONTAL BRICK ASHLAR LOCATION: VESTIBULE
09 72 00	**VWC**	**VINYL WALL COVERING**				
	VWC1	MFR: WOLF GORDON	RAMPART (GOH33075783)	GREIGE	TYPE II VINYL; 52"WIDE; 35 OZ PER LINEAR YARD	CORRIDOR BELOW TRIM
	VWC2	MFR: WOLF GORDON	RAMPART FORZA (GOH32921026)	QUARTZ	TYPE II VINYL; 52"WIDE; 33 OZ PER LINEAR YARD	RESIDENT ROOM
	VWC3	MFR: WOLF GORDON	RAMPART ASHLAR	CLR TBD	TYPE II VINYL; 52"WIDE; 35 OZ PER LINEAR YARD	DINING ROOM
	VWC4	MFR: WOLF GORDON	TAIGA (GOH13796520)	WALNUT	TYPE II VINYL; 52"WIDE; 20 OZ PER LINEAR YARD	WOOD LOOK, SEE ELEVATIONS & PLANS
09 90 00	**PT**	**PAINT**				
	PT1	SHERWIN WILLIAMS		SW7637 OYSTER WHITE		LOCATION: MAIN COLOR
	PT2	BENJAMIN MOORE		1071 IMPERIAL GRAY		LOCATION:RESIDENT RM ACCENT
	PT3	SHERWIN WILLIAMS		SW7617 MEDITERRANEAN		LOCATION: ACCENT
	PT4	SHERWIN WILLIAMS		SW7616 BREEZY		LOCATION: ACCENT
	PT5	BENJAMIN MOORE		560 HERB BOUQUET		LOCATION: ACCENT
	PT6	NOT USED				
	PT7	SHERWIN WILLIAMS		SW7006 EXTRA WHITE		LOCATION: CEILING WHITE
	PT8	SHERWIN WILLIAMS		SW7005 OYSTER WHITE		LOCATION: DOOR FRAME PAINT
	PT9	SHERWIN WILLIAMS		SW2823 ROCKWOOD CLAY		LOCATION: DOOR FRAME PAINT IN VWC4 WOOD LOOK WALLS
	PT10	SHERWIN WILLIAMS		SW7005 PURE WHITE		WD2 PAINTED TRIM
10 21 23	**CC**	**CUBICLE CURTAIN**				
	CC1	INPRO CORPORATION	STILL LIFE (PRIVACY CURTAIN)	LILY POND	72" WIDTH, NFPA701	PRIVACY CURTAIN TO BE INSTALLED W/ COORDINATING CEILING TRACK, CARRIERS, & WAND LOCATION: SPA
	CC2	INPRO CORPORATION	CLICKEZE: SHIELD FABRIC, ALOFT (SHOWER CURTAIN)	MORNING GRASS	12"EZE MESH TOP	LOCATION: SHOWER CURTAIN
10 26 00	**CG**	**CORNER GUARD**				
	CG1	INPRO CORPORATION	160 HIGH IMPACT CORNER GUARD, MATERIAL RIGID VINYL	CLAM SHELL 0154	2"WIDE W/NG, 90 & 135 DEGREES, ALUMINUM RETAINER	INSTALL 48" HIGH PRODUCT ABOVE BASE OR BOTTOM SIDE OF HR BACKER AS OCCURS; INCLUDE FLEXIBLE TOP CAP (WHERE PT1 OCCURS)
	CG2	INPRO CORPORATION	160 HIGH IMPACT CORNER GUARD, MATERIAL RIGID VINYL	CLAM SHELL 0154	2"WIDE W/NG, 90 DEGREES ALUMINUM RETAINER	INSTALL FULL HEIGHT ABOVE BASE INCLUDE FLEXIBLE TOP CAP (WHERE PT1 OCCURS)
	CG3	INPRO CORPORATION	160 HIGH IMPACT CORNER GUARD, MATERIAL RIGID VINYL	WOODGRAINS AMERICAN TEAK 0553	2"WIDE W/NG, 90 DEGREES ALUMINUM RETAINER	INSTALL FULL HEIGHT ABOVE BASE U.N.O. ON PLANS OR ELEVS; INCLUDE FLEXIBLE TOP CAP WHERE APPLICABLE (WHERE PLAM1 OR VWC4 OCCURS)
	CG4	INPRO CORPORATION	160 HIGH IMPACT CORNER GUARD, MATERIAL RIGID VINYL	SERENITY 0166	2"WIDE W/NG, 90 DEGREES, ALUMINUM RETAINER	INSTALL FULL HEIGHT ABOVE BASE; INCLUDE FLEXIBLE TOP CAP (WHERE PT4 OCCURS)
	EW	**END WALL GUARD**				
	EW1	INPRO CORPORATION	160 HIGH IMPACT END-WALL GUARD, MATERIAL RIGID VINYL	CLAM SHELL 0154	2"WIDE W/NG, 90 DEGREES, ALUMINUM RETAINER	INSTALL 48" HIGH PRODUCT ABOVE BASE; INCLUDE FLEXIBLE TOP CAP (WHERE PT1 OCCURS)
	EW2	NOT USED				
	EW3	INPRO CORPORATION	160 HIGH IMPACT END-WALL GUARD, MATERIAL RIGID VINYL	WOODGRAINS AMERICAN TEAK 0553	2"WIDE W/NG, 90 DEGREES, ALUMINUM RETAINER	INSTALL ABOVE BASE TO UNDERSIDE OF WOOD TRIM. INCLUDE FLEXIBLE TOP CAP
	EW4	INPRO CORPORATION	161 HIGH IMPACT END-WALL GUARD, MATERIAL RIGID VINYL	SERENITY 0167	2"WIDE W/NG, 90 DEGREES, ALUMINUM RETAINER	INSTALL FULL HEIGHT ABOVE BASE; INCLUDE FLEXIBLE TOP CAP (WHERE PT4 OCCURS)
	WP	**WALL PROTECTION**				
	WP1	INPRO CORPORATION	PALLADIUM RIGID SHEET MATERIAL RIGID VINYL	CLAM SHELL 0154	SIZE: 4'-0"W ROLL	INSTALL ABOVE RESILIENT BASE RAILROADED TO AVOID SEAMS WITH COORDINATING TOP CAP TRIM, INSIDE CORNER, AND DIVIDED BAR. HEIGHT ABOVE BASE TO BE 4'-0" (WIDTH OF PRODUCT) W/ PAINT ABOVE
	WP2	INPRO CORPORATION	PALLADIUM RIGID SHEET MATERIAL RIGID VINYL	CLAM SHELL 0154	SIZE: 4'-0"W ROLL	INSTALL ABOVE RESILIENT BASE FULL HEIGHT WITH COORDINATING TOP CAP TRIM INSIDE CORNER, AND DIVIDER BAR
	WP3	INPRO CORPORATION	PALLADIUM RIGID SHEET MATERIAL RIGID VINYL	SERENITY 0166	SIZE: 4'-0"W ROLL	INSTALL ABOVE RESILIENT BASE RAILROADED TO AVOID SEAMS WITH COORDINATING TOP CAP TRIM, INSIDE CORNER AND DIVIDER BAR, HEIGHT ABOVE BASE TO BE 4'-0" (WIDTH OF PRODUCT) W/PAINT ABOVE (WHERE PT4 OCCURS)
	KP	**KICKPLATE**				
	KP1	INPRO CORPORATION	PALLADIUM KICKPLATE, MATERIAL RIGID VINYL, 0.040 IN THICKNESS	AMERICAN TEAK 0553	SIZE: 36"H (SEE DOOR SCHED FOR WIDTH)	INSTALL AT TRAFFIC SIDE OF DOOR PER MANUFACTURER INSTRUCTIONS (RESIDENT ROOM ENTRY DOORS, MATCHES PLAM)
	KP2	INPRO CORPORATION	STAINLESS STEEL KICKPLATE, 16 GA, TYPE 430	SATIN FINISH, CEMENT ON	SIZE: 36"H (SEE DOOR SCHED FOR WIDTH)	INSTALL AT TRAFFIC SIDE OF DOOR PER MANUFACTURER INSTRUCTIONS (AS NOTED ON THE DOOR SCHEDULE)
	HR	**HANDRAIL**				
	HR1	INPRO CORPORATION	900 SERIES HANDRAIL, ROUND PROFILE, MATERIAL RIGID VINYL, STAINLESS STEEL BRACKET	WOODGRAINS AMERICAN TEAK 0553	1-1/4" X 2-1/4"GRIPPING SURFACE	REFER TO ELEVATIONS/ PLANS
12 24 13	**WT**	**WINDOW TREATMENT**				
	WT1	SPRING WINDOW FASHIONS	DUAL ROLLER SHADE: NIGHTFALL BLACK-OUT SHADE AND 3% OPENNESS FACTOR	COLOR: TBD	VALANCE/FASCIA: COLOR TBD	INSTALL INSIDE MOUNTED
	WT2	SPRING WINDOW FASHIONS	ROLLER SHADE; 3% OPENNESS FACTOR	COLOR: TBD	VALANCE/FASCIA: COLOR TBD	INSTALL INSIDE MOUNTED

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

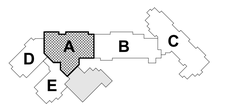
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN



KEY PLAN
FIRST FLOOR

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 **01/28/2025**

Revisions		
Description	Date	Num.

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

North

FIRST FLOOR FINISH PLAN - AREA A & MATERIAL ID

Scale: **As Indicated**

A4.01a

MN

FINISH PLAN GENERAL NOTES

1. COORDINATE WITH INTERIOR ELEVATIONS FOR LOCATIONS OF WALL BASE, TILE, AND OTHER 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 PTX, UNLESS NOTED OTHERWISE.
11. ALL WINDOW SILLS ARE TO BE SOLID SURFACE, SSF4.
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.
15. PROVIDE VINYL BASE AT CASEWORK UNLESS OTHERWISE NOTED. SEE ELEVATIONS AND MATERIAL ID FOR BASE TYPE AT CASEWORK.
16. FIELD VERIFY EXISTING CONDITIONS AT TRANSITIONS BETWEEN EXISTING AND NEW.

PROVIDE FLOORING TRANSITIONS PER DETAIL D6/A4.703
PROVIDE TILE TRANSITIONS PER DETAIL D7/A4.703

● CORNER GUARD, CG1, CG2, CG3, CG4 - SEE DETAIL A6/A4.703

◉ ENDWALL GUARD, EW1, EW3, EW4 - SEE DETAIL B6/A4.703

(WT2) WINDOW TREATMENT, WT2 - SEE MATERIAL ID

(WT1) WINDOW TREATMENT, WT1 - SEE MATERIAL ID

FINISH PLAN KEYNOTES

(F01) REFER TO ELEVATIONS FOR FINISH PLACEMENT.

(F02) ADD ALT #2 - PROVIDE CORRIDOR HANDRAIL FINISHES PER DETAIL C2/A0.001

(F03) WALL PROTECTION HEIGHT NOTED IN MATERIAL ID.

(F04) OMIT VWC BELOW HR BACKER AND REPLACE WITH PT AS SCHEDULED.

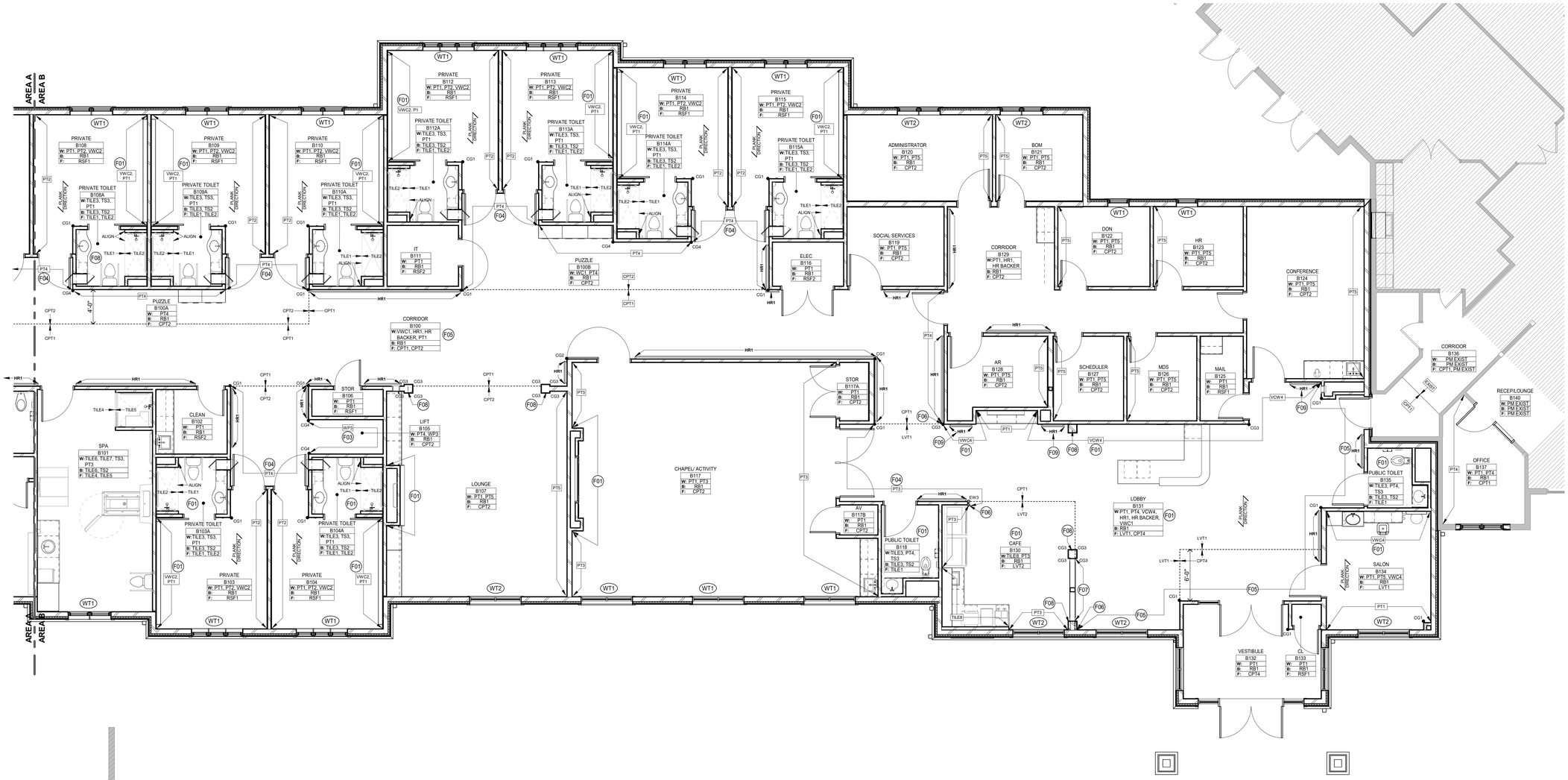
(F05) PROVIDE CORRIDOR HANDRAIL FINISHES PER DETAILC2/A0.001

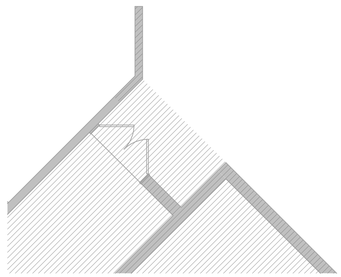
(F06) STOPPING POINT OF CORRIDOR HANDRAIL FINISHES (HR, HR BACKER, VWC AS OCCURS).

(F07) DECORATIVE OPEN PARTITION, SEE ELEVATIONS FOR FINISHES ON BOTH SIDES

(F08) FAUX COLUMN, SEE A5/A4.702 FOR FINISHES

(F09) PROVIDE HR1 AND HR BACKER BOARD ONLY AT THIS LOCATION. SEE ELEVATIONS FOR EXACT EXTENTS.





F1 FIRST FLOOR FINISH PLAN - AREA B
3/16" = 1'-0"
0 4' 8'

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

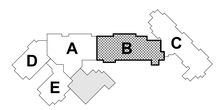
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN



KEY PLAN
FIRST FLOOR

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: **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

North

FIRST FLOOR FINISH PLAN - AREA B

Scale: **As Indicated**

A4.01b

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation 24.rvt
1/28/2025 9:08:38 PM

MN

FINISH PLAN GENERAL NOTES

1. COORDINATE WITH INTERIOR ELEVATIONS FOR LOCATIONS OF WALL BASE, TILE, AND OTHER 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 PTX, UNLESS NOTED OTHERWISE.
11. ALL WINDOW SILLS ARE TO BE SOLID SURFACE, SSF4.
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.
15. PROVIDE VINYL BASE AT CASEWORK UNLESS OTHERWISE NOTED. SEE ELEVATIONS AND MATERIAL ID FOR BASE TYPE AT CASEWORK.
16. FIELD VERIFY EXISTING CONDITIONS AT TRANSITIONS BETWEEN EXISTING AND NEW.

PROVIDE FLOORING TRANSITIONS PER DETAIL D6/A4.703
PROVIDE TILE TRANSITIONS PER DETAIL D7/A4.703

● CORNER GUARD, CG1, CG2, CG3, CG4 - SEE DETAIL A6/A4.703

◉ ENDWALL GUARD, EW1, EW3, EW4 - SEE DETAIL B6/A4.703

(WT2) WINDOW TREATMENT, WT2 - SEE MATERIAL ID

(WT1) WINDOW TREATMENT, WT1 - SEE MATERIAL ID

FINISH PLAN KEYNOTES

(F01) REFER TO ELEVATIONS FOR FINISH PLACEMENT.

(F02) ADD ALT #2 - PROVIDE CORRIDOR HANDRAIL FINISHES PER DETAIL C2/A0.001

(F03) WALL PROTECTION HEIGHT NOTED IN MATERIAL ID.

(F04) OMIT VWC BELOW HR BACKER AND REPLACE WITH PT AS SCHEDULED.

(F05) PROVIDE CORRIDOR HANDRAIL FINISHES PER DETAILC2/A0.001

(F06) STOPPING POINT OF CORRIDOR HANDRAIL FINISHES (HR, HR BACKER, VWC AS OCCURS).

(F07) DECORATIVE OPEN PARTITION, SEE ELEVATIONS FOR FINISHES ON BOTH SIDES

(F08) FAUX COLUMN, SEE A5/A4.702 FOR FINISHES

(F09) PROVIDE HR1 AND HR BACKER BOARD ONLY AT THIS LOCATION. SEE ELEVATIONS FOR EXACT EXTENTS.

F3 SECOND FLOOR FINISH PLAN
3/16" = 1'-0"
0 4" 8"

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN

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

Sara Malin
License Number: **40063** Date **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

North

ADD ALT #2 - SECOND FLOOR FINISH PLAN - AREA F

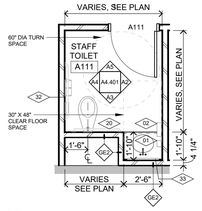
Scale: **As indicated**

A4.02f

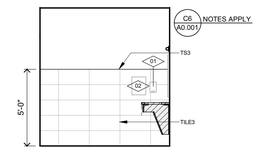
Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039_Pelican Valley Senior Living Renovation_22R25.rvt
1/28/2025 9:14:36 PM

MN

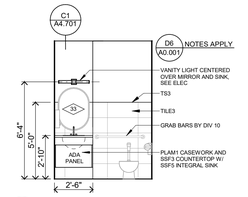
A



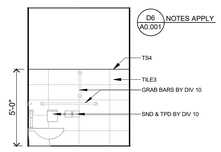
A1 ENLARGED PLAN - TYP TOILET
1/4" = 1'-0"



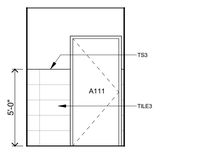
A2 TYP TOILET - 1
1/4" = 1'-0"



A3 TYP TOILET - 2
1/4" = 1'-0"

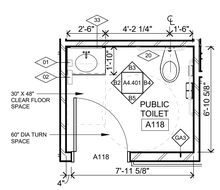


A4 TYP TOILET - 3
1/4" = 1'-0"

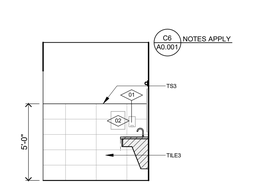


A5 TYP TOILET - 4
1/4" = 1'-0"

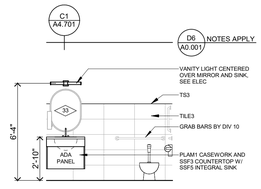
B



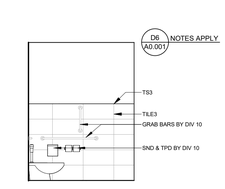
B1 ENLARGED PLAN - TOILET A118
1/4" = 1'-0"



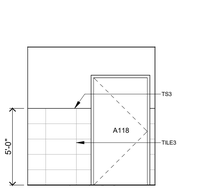
B2 TOILET A118 - 1
1/4" = 1'-0"



B3 TOILET A118 - 2
1/4" = 1'-0"

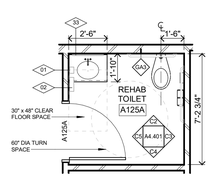


B4 TOILET A118 - 3
1/4" = 1'-0"

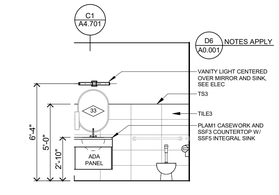


B5 TOILET A118 - 4
1/4" = 1'-0"

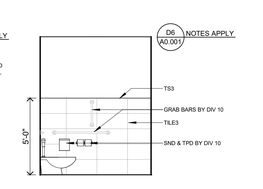
C



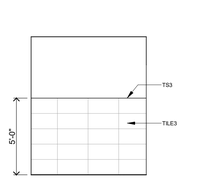
C1 ENLARGED PLAN - REHAB TOILET
1/4" = 1'-0"



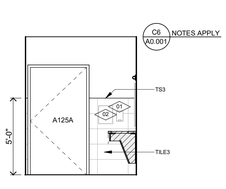
C2 REHAB TOILET - 1
1/4" = 1'-0"



C3 REHAB TOILET - 2
1/4" = 1'-0"

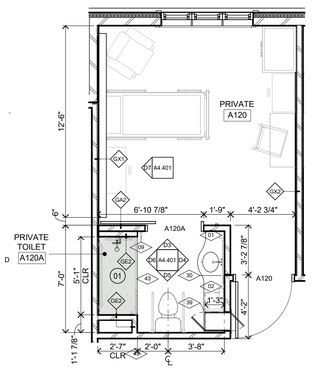


C4 REHAB TOILET - 3
1/4" = 1'-0"

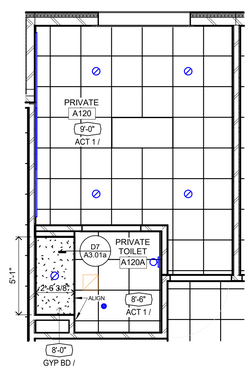


C5 REHAB TOILET - 4
1/4" = 1'-0"

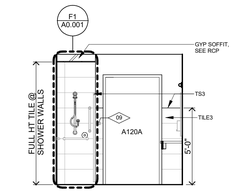
D



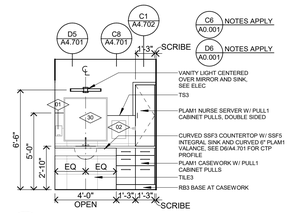
D1 ENLARGED PLAN - TYPICAL RESIDENT ROOM
1/4" = 1'-0"



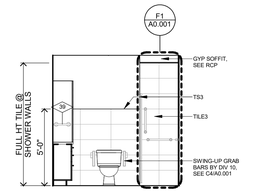
D2 ENLARGED RCP - TYPICAL RESIDENT ROOM
1/4" = 1'-0"



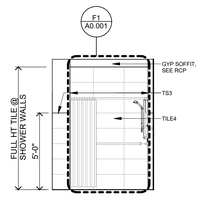
D3 RESIDENT TOILET - 1
1/4" = 1'-0"



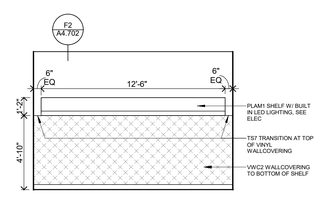
D4 RESIDENT TOILET - 2
1/4" = 1'-0"



D5 RESIDENT TOILET - 3
1/4" = 1'-0"

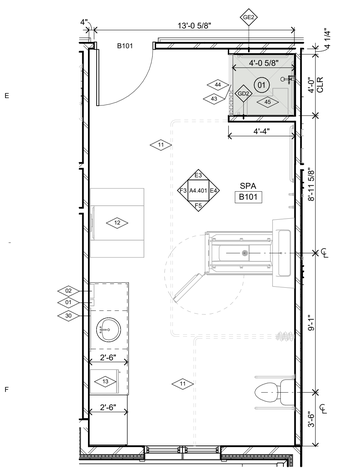


D6 RESIDENT TOILET - 4
1/4" = 1'-0"

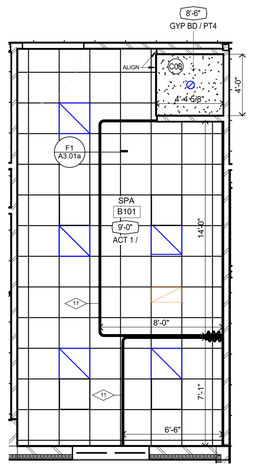


D7 RESIDENT ROOM
1/4" = 1'-0"

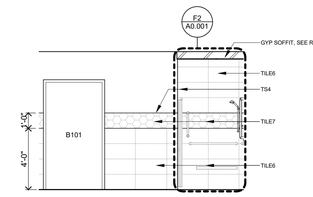
E



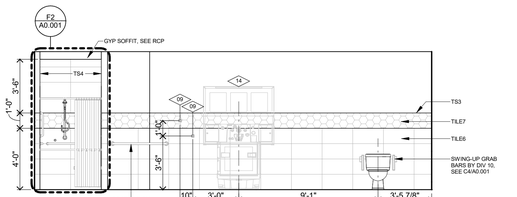
F1 ENLARGED PLAN - SPA
1/4" = 1'-0"



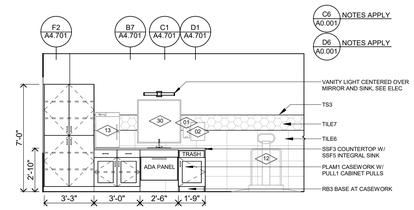
F2 ENLARGED RCP - SPA
1/4" = 1'-0"



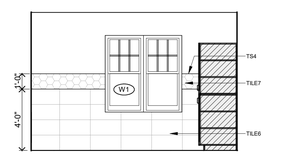
E3 SPA - 1
1/4" = 1'-0"



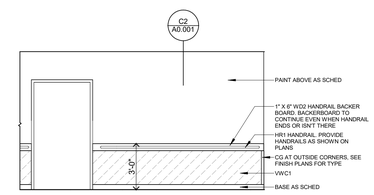
E4 SPA - 2
1/4" = 1'-0"



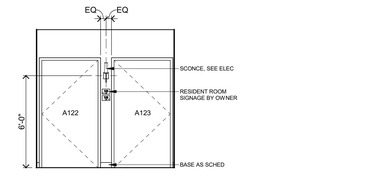
F3 SPA - 3
1/4" = 1'-0"



F5 SPA - 4
1/4" = 1'-0"



E7 TYPICAL CORRIDOR ELEVATION
1/4" = 1'-0"



F7 TYPICAL REISDNET ROOM ENTRY
1/4" = 1'-0"

ACCESSORY/EQUIPMENT SCHEDULE

Type Mark	Description	Provided By
01	WALL MOUNTED SOAP DISPENSER, COORD LOCATION W/ OWNER	OWNER SUPPLIED, CONTRACTOR INSTALLED
02	WALL MOUNTED PAPER TOWEL DISPENSER, COORD LOCATION W/ OWNER	OWNER SUPPLIED, CONTRACTOR INSTALLED
03	MICROWAVE	OWNER SUPPLIED & INSTALLED
04	TOASTER	OWNER SUPPLIED & INSTALLED
05	EXISTING COUNTERTOP MED FRIDGE	OWNER SUPPLIED & INSTALLED
06	WARMING CABINET	OWNER SUPPLIED & INSTALLED
07	EXISTING FRIDGE	OWNER SUPPLIED & INSTALLED
08	UNDER COUNTER FRIDGE	OWNER SUPPLIED & INSTALLED
09	COAT HOOK	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
10	SST FRAMED WALL MOUNTED MIRROR	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
11	CEILING MOUNTED CUBICLE TRACK AND CUBICLE CURTAIN, CC1	BY DIV 10 44 16, CONTRACTOR SUPPLIED & INSTALLED
12	EXISTING ROLL-ON SCALE	OWNER SUPPLIED & INSTALLED
13	TOWEL WARMER	OWNER SUPPLIED & INSTALLED
14	APOLLO SPA TUB W/ RESEVOIR	OWNER SUPPLIED, CONTRACTOR INSTALLED
15	COFFEE MACHINE - NON-PLUMBED	OWNER SUPPLIED & INSTALLED
16	WATER AND ICE MACHINE	OWNER SUPPLIED & INSTALLED
17	COFFEE MACHINE - PLUMBED	OWNER SUPPLIED & INSTALLED
18	JUICE DISPENSER	OWNER SUPPLIED & INSTALLED
19	ELECTRIC FIREPLACE	BY DIV 10, CONTRACTOR SUPPLIED & INSTALLED
20	GRAB BARS	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
21	SWING UP GRAB BARS	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
22	CAFE MERCHANDISE FRIDGE	OWNER SUPPLIED & INSTALLED
23	WALL MOUNTED TELEVISION, BLOCKING BY CONTRACTOR, COORD LOCATION W/ OWNER	OWNER SUPPLIED & INSTALLED, BLOCKING BY CONTRACTOR
24	EXISTING WALL MOUNTED TREATMENT TABLE	OWNER SUPPLIED, CONTRACTOR INSTALLED
25	EXITSING THERAPY BIKE	OWNER SUPPLIED & INSTALLED
26	EXISTING THERAPY STAIRS	OWNER SUPPLIED & INSTALLED
27	EXISTING WALL MOUNTED THERAPY PULLEY MACHINE	OWNER SUPPLIED, CONTRACTOR INSTALLED
28	FLOOR COPIER	OWNER SUPPLIED & INSTALLED
29	COUNTERTOP PRINTER	OWNER SUPPLIED & INSTALLED
30	DECORATIVE WOOD MIRROR, 34" X 34" SIGNATURE HARDWARE BURFIELD BAMBOO	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
31	MOBILE PATIENT LIFTS	OWNER SUPPLIED & INSTALLED
32	SANITARY DISPOSAL AND TOILET PAPER HOLDER	BY DIV 10, CONTRACTOR SUPPLIED & INSTALLED
33	DECORATIVE OVAL MIRROR, 24" X 32" SIGNATURE HARDWARE COLBORNE OVAL, MATTE BLACK	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
34	WALL MOUNTED STRETCHER, COORD LOCATION W/ OWNER	OWNER SUPPLIED, CONTRACTOR INSTALLED
35	SST TOILETRY SHELF, 16" X 5"	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
36	SALON HAIR DRYER	OWNER SUPPLIED & INSTALLED
37	LAPTOP	OWNER SUPPLIED & INSTALLED
38	COMPUTER MONITOR	OWNER SUPPLIED & INSTALLED
39	12" TOWEL BAR	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
40	TELEPHONE	OWNER SUPPLIED & INSTALLED
41	STOVE RANGE	OWNER SUPPLIED & INSTALLED
42	ROUND WALL MOUNTED MIRROR	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
43	SHOWER CURTAIN AND ROD	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
44	RETRACTABLE CLOTHES LINE AND CURTAIN	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
45	SHOWER SEAT	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
46	HAIR STYLIST ACCESSORY HANGER	BY DIV 06 41 00, CONTRACTOR SUPPLIED & INSTALLED

FLOOR PLAN KEY NOTES:

01 AT SHADED AREA RECESS CONCRETE SLAB FOR SHOWER.

02 ADD ALT #1: INSTALL NEW FLOORING (CPT1) AND BASE (RB1) AS SHOWN ON PLANS. PAINT ALL WALLS P1 UNLESS OTHERWISE INDICATED ON PLAN. HANDRAILS TO REMAIN.

03 PATCH WALLS WHERE DEVICES WERE REMOVED. PREP FOR NEW FINISHES.

04 INFILL CONCRETE SLAB AT EXISTING VESTIBULE GRATE. POUR, DOWEL, LEVEL, AND FEATHER INTO EXISTING SLAB.

05 RECESSED FIRE EXTINGUISHER CABINET (FEC). INSTALL PER DETAIL AT FULLY RECESSED (FEC) B7/A4.703 AND SEMI-RECESSED PER DETAIL A7/A4.703

06 EVS MOP SINK AND SHELD. INSTALL PER DETAIL F6/A4.703

07 RECESSED AED CABINET. INSTALL PER DETAIL A7/A4.703

08 PATCH AND PAINT WALL AS REQ'D AFTER REMAOVAL OF STAINED GLASS

09 PATCH AND REPAIR EXISTING WALL AS REQ'D AS DISTURBED BY NEW CONSTRUCTION. MATCH EXISTING WALL FINISH AND CONSTRUCTION.

09 PATCH AND REPAIR EXISTING WALL AS REQ'D AS DISTURBED BY NEW CONSTRUCTION. MATCH EXISTING WALL FINISH AND CONSTRUCTION.

10 PROVIDE (1) ADDITIONAL LAYER OF 5/8" GYP BD SO EXTERIOR WALL IS FLUSH WITH INTERIOR WALL.

11 PATCH, REPAIR, AND/ OR REPLACE EXISTING APPLIED GYP AS REQ'D FOR A SMOOTH FINISH

12 REMOVE PORTION OF GYPSUM BD AND BLOCK TO CREATE A SHALLOW CHANNEL FOR EACH ELECTRICAL CONDUIT IN THIS ROOM. CREATE A 1/2" WIDE CHANNEL FOR POWER RECEPTACLES AND 1" WIDE CHANNEL FOR DATA RECEPTACLES (VERIFY). CREATE CHANNEL FROM NEW DEVICE LOCATION TO CEILING. SEE ELEC FOR LOCATIONS OF DEVICES.

13 ADD ALT #2 - PROVIDE NEW LAYER OF GYP BD AFTER THE INSTALLATION OF NEW FIXTURES.

14 ADD ALT #2 - PATCH AND REPAIR EXISTING WALLS AS REQ'D FOR A SMOOTH FINISH. SEE FINISH PLANS.

15 ADD ALT #2 - PROVIDE NEW OVERRIDE AT EXISTING ELEVATOR FOR RESIDENT SECURITY

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
MARTIN MECHANICAL DESIGN

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 01/28/2025

Revisions		
Description	Date	Num

Comm: 246039
Date: 01/28/2025
Drawn: CN, JDV
Check: GB

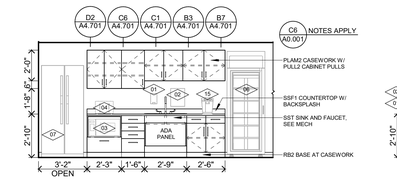
ENLARGED PLANS & INTERIOR ELEVATIONS

Scale: As Indicated

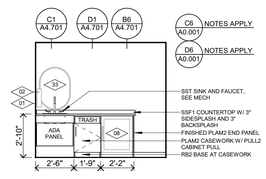
A4.401

Submittal Date:20250128 - Pelican Valley Senior Living Renovation20250114 - Pelican Valley Senior Living Renovation
1/28/2025 8:43:46 PM

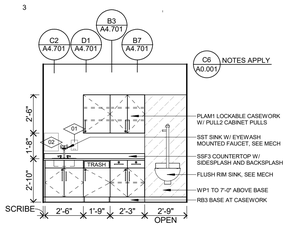
MN



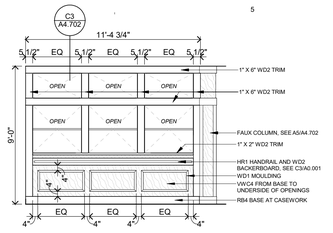
A1 **STAFF BREAK ROOM - 1**
1/4" = 1'-0"



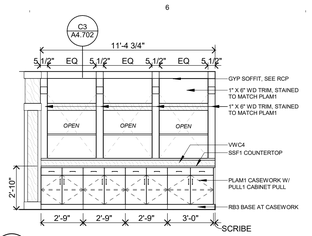
A2 **MOTHERS ROOM**
1/4" = 1'-0"



A3 **SOILED UTILITY**
1/4" = 1'-0"

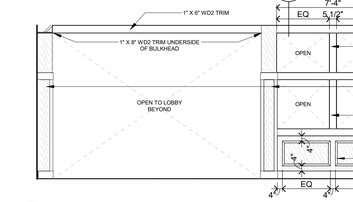


A4 **DINING ROOM - 1**
1/4" = 1'-0"

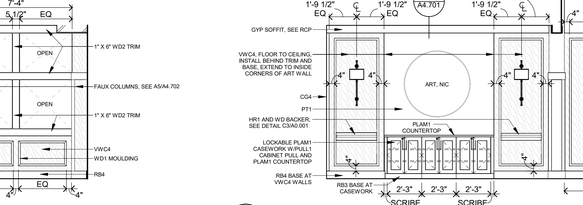


A5 **DINING ROOM - 2**
1/4" = 1'-0"

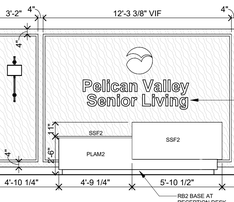
7 ACCESSORY/EQUIPMENT SCHEDULE		
Type Mark	Description	Provided By
01	WALL MOUNTED SOAP DISPENSER, COORD LOCATION W/ OWNER	OWNER SUPPLIED, CONTRACTOR INSTALLED
02	WALL MOUNTED PAPER TOWEL DISPENSER, COORD LOCATION W/ OWNER	OWNER SUPPLIED, CONTRACTOR INSTALLED
03	MICROWAVE	OWNER SUPPLIED & INSTALLED
04	TOASTER	OWNER SUPPLIED & INSTALLED
05	EXISTING COUNTERTOP MED FRIDGE	OWNER SUPPLIED & INSTALLED
06	WARMING CABINET	OWNER SUPPLIED & INSTALLED
07	EXISTING FRIDGE	OWNER SUPPLIED & INSTALLED
08	UNDER COUNTER FRIDGE	OWNER SUPPLIED & INSTALLED
09	COAT HOOK	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
10	SST FRAMED WALL MOUNTED MIRROR	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
11	CEILING MOUNTED CUBICLE TRACK AND CUBICLE CURTAIN, CC1	BY DIV 10 44 16, CONTRACTOR SUPPLIED & INSTALLED
12	EXISTING ROLL-ON SCALE	OWNER SUPPLIED & INSTALLED
13	TOWEL WARMER	OWNER SUPPLIED & INSTALLED
14	APOLLO SPA TUB W/ RESEVOIR	OWNER SUPPLIED, CONTRACTOR INSTALLED
15	COFFEE MACHINE - NON-PLUMBED	OWNER SUPPLIED & INSTALLED
16	WATER AND ICE MACHINE	OWNER SUPPLIED & INSTALLED
17	COFFEE MACHINE - PLUMBED	OWNER SUPPLIED & INSTALLED
18	JUICE DISPENSER	OWNER SUPPLIED & INSTALLED
19	ELECTRIC FIREPLACE	BY DIV 10, CONTRACTOR SUPPLIED & INSTALLED
20	GRAB BARS	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
21	SWING UP GRAB BARS	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
22	CAFE MERCHANDISE FRIDGE	OWNER SUPPLIED & INSTALLED
23	WALL MOUNTED TELEVISION, BLOCKING BY CONTRACTOR, COORD LOCATION W/ OWNER	OWNER SUPPLIED & INSTALLED, BLOCKING BY CONTRACTOR
24	EXISTING WALL MOUNTED TREATMENT TABLE	OWNER SUPPLIED, CONTRACTOR INSTALLED
25	EXITSING THERAPY BIKE	OWNER SUPPLIED & INSTALLED
26	EXISTING THERAPY STAIRS	OWNER SUPPLIED & INSTALLED
27	EXISTING WALL MOUNTED THERAPY PULLEY MACHINE	OWNER SUPPLIED, CONTRACTOR INSTALLED
28	FLOOR COPIER	OWNER SUPPLIED & INSTALLED
29	COUNTERTOP PRINTER	OWNER SUPPLIED & INSTALLED
30	DECORATIVE WOOD MIRROR, 34" X 34" SIGNATURE HARDWARE BURFIELD BAMBOO	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
31	MOBILE PATIENT LIFTS	OWNER SUPPLIED & INSTALLED
32	SANITARY DISPOSAL AND TOILET PAPER HOLDER	BY DIV 10, CONTRACTOR SUPPLIED & INSTALLED
33	DECORATIVE OVAL MIRROR, 24" X 32" SIGNATURE HARDWARE COLBORNE OVAL, MATTE BLACK	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
34	WALL MOUNTED STRETCHER, COORD LOCATION W/ OWNER	OWNER SUPPLIED, CONTRACTOR INSTALLED
35	SST TOILETRY SHELF, 16" X 5"	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
36	SALON HAIR DRYER	OWNER SUPPLIED & INSTALLED
37	LAPTOP	OWNER SUPPLIED & INSTALLED
38	COMPUTER MONITOR	OWNER SUPPLIED & INSTALLED
39	12" TOWEL BAR	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
40	TELEPHONE	OWNER SUPPLIED & INSTALLED
41	STOVE RANGE	OWNER SUPPLIED & INSTALLED
42	ROUND WALL MOUNTED MIRROR	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
43	SHOWER CURTAIN AND ROD	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
44	RETRACTABLE CLOTHES LINE AND CURTAIN	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
45	SHOWER SEAT	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
46	HAIR STYLIST ACCESSORY HANGER	BY DIV 06 41 00, CONTRACTOR SUPPLIED & INSTALLED



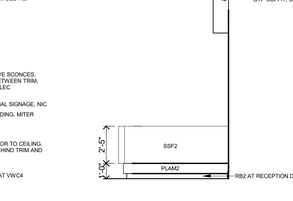
B1 **DINING ROOM - 3**
1/4" = 1'-0"



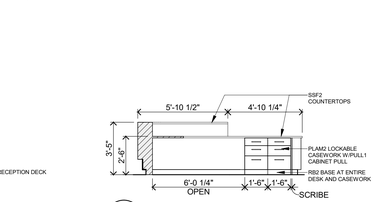
B2 **SERVING - 1**
1/4" = 1'-0"



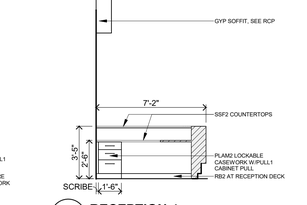
B4 **SERVING - 2**
1/4" = 1'-0"



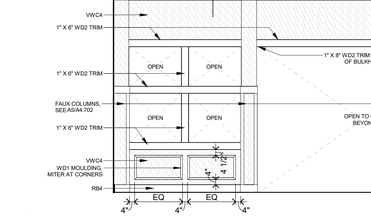
B5 **MED PREP - 1**
1/4" = 1'-0"



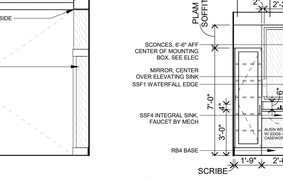
B6 **MED PREP - 2**
1/4" = 1'-0"



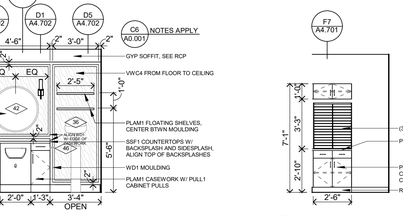
C7 **STAFF CORRIDOR**
1/4" = 1'-0"



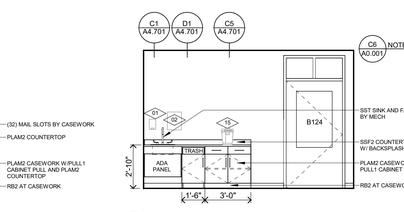
C1 **REHAB - 1**
1/4" = 1'-0"



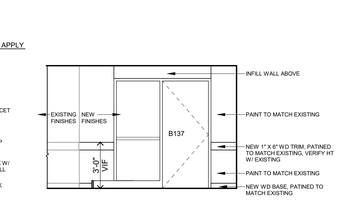
C2 **REHAB - 3**
1/4" = 1'-0"



C3 **PUZZLE B100A**
1/4" = 1'-0"



C5 **PUZZLE B100B**
1/4" = 1'-0"



C6 **CORRIDOR TO LOUNGE**
1/4" = 1'-0"

D1 **LOUNGE**
1/4" = 1'-0"

D3 **CHAPEL/ ACTIVITY - 1**
1/4" = 1'-0"

D5 **CHAPEL/ ACTIVITY - 2**
1/4" = 1'-0"

D6 **CAFE - 1**
1/4" = 1'-0"

D7 **CAFE - 2**
1/4" = 1'-0"

E1 **CAFE LOOKING INTO LOBBY**
1/4" = 1'-0"

E3 **RECEPTION - 1**
1/4" = 1'-0"

E5 **RECEPTION 2**
1/4" = 1'-0"

E6 **RECEPTION 3**
1/4" = 1'-0"

E8 **RECEPTION 4**
1/4" = 1'-0"

F1 **LOBBY LOOKING INTO CAFE**
1/4" = 1'-0"

F2 **BARBER BEAUTY**
1/4" = 1'-0"

F4 **MAIL**
1/4" = 1'-0"

F5 **CONFERENCE**
1/4" = 1'-0"

F6 **OFFICE - ASSISTED LIVING ELEVATION**
1/4" = 1'-0"

F7 **EXISTING KITCHEN IN ASSISTED LIVING**
1/4" = 1'-0"

A

Architect Seal 246039 - Pelican Valley Senior Living Renovation.rvt
1/28/2025 8:41:46 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN

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

Sara Malin
License Number: **40063** Date **01/28/2025**

Revisions		
Description	Date	Num

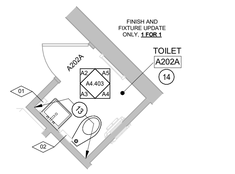
Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

ENLARGED PLANS & INTERIOR ELEVATIONS

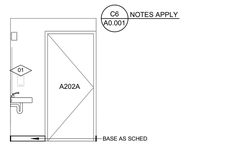
Scale: **1/4" = 1'-0"**

A4.402

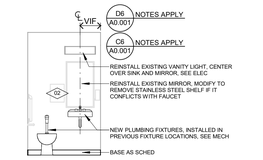
MN



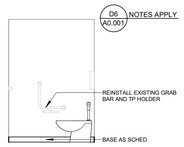
A1 ENLARGED PLAN - EXISTING RESIDENT TOILET
1/4" = 1'-0"



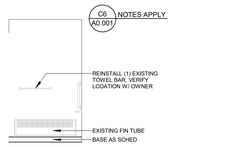
A2 EXISTING RESIDENT TOILET - 1
1/4" = 1'-0"



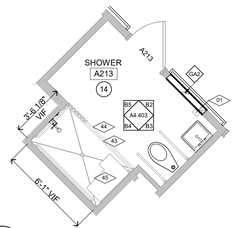
A3 EXISTING RESIDENT TOILET - 2
1/4" = 1'-0"



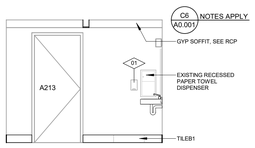
A4 EXISTING RESIDENT TOILET - 3
1/4" = 1'-0"



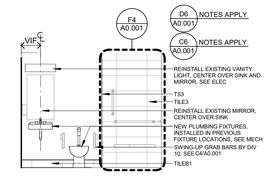
A5 EXISTING RESIDENT TOILET - 4
1/4" = 1'-0"



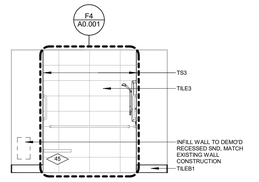
B1 ENLARGED PLAN - EXISTING SHOWER
1/4" = 1'-0"



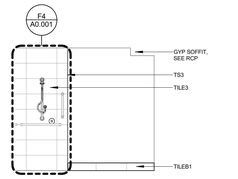
B2 SECOND FLOOR SHOWER - 1
1/4" = 1'-0"



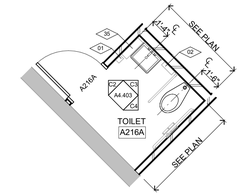
B3 SECOND FLOOR SHOWER - 2
1/4" = 1'-0"



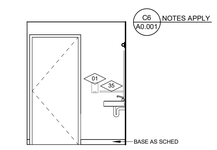
B4 SECOND FLOOR SHOWER - 3
1/4" = 1'-0"



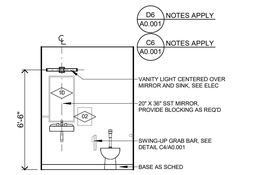
B5 SECOND FLOOR SHOWER - 4
1/4" = 1'-0"



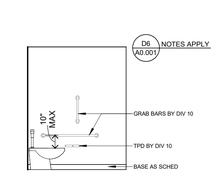
C1 ENLARGED PLAN - NEW RESIDENT TOILET
1/4" = 1'-0"



C2 NEW RESIDENT TOILET - 1
1/4" = 1'-0"



C3 NEW RESIDENT TOILET - 2
1/4" = 1'-0"



C4 NEW RESIDENT TOILET - 3
1/4" = 1'-0"

ACCESSORY/EQUIPMENT SCHEDULE

Type Mark	Description	Provided By
01	WALL MOUNTED SOAP DISPENSER, COORD LOCATION W/ OWNER	OWNER SUPPLIED, CONTRACTOR INSTALLED
02	WALL MOUNTED PAPER TOWEL DISPENSER, COORD LOCATION W/ OWNER	OWNER SUPPLIED, CONTRACTOR INSTALLED
03	MICROWAVE	OWNER SUPPLIED & INSTALLED
04	TOASTER	OWNER SUPPLIED & INSTALLED
05	EXISTING COUNTERTOP MED FRIDGE	OWNER SUPPLIED & INSTALLED
06	WARMING CABINET	OWNER SUPPLIED & INSTALLED
07	EXISTING FRIDGE	OWNER SUPPLIED & INSTALLED
08	UNDER COUNTER FRIDGE	OWNER SUPPLIED & INSTALLED
09	COAT HOOK	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
10	SST FRAMED WALL MOUNTED MIRROR	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
11	CEILING MOUNTED CUBICLE TRACK AND CUBICLE CURTAIN, CC1	BY DIV 10 44 16, CONTRACTOR SUPPLIED & INSTALLED
12	EXISTING ROLL-ON SCALE	OWNER SUPPLIED & INSTALLED
13	TOWEL WARMER	OWNER SUPPLIED & INSTALLED
14	APOLLO SPA TUB W/ RESEVOIR	OWNER SUPPLIED, CONTRACTOR INSTALLED
15	COFFEE MACHINE - NON-PLUMBED	OWNER SUPPLIED & INSTALLED
16	WATER AND ICE MACHINE	OWNER SUPPLIED & INSTALLED
17	COFFEE MACHINE - PLUMBED	OWNER SUPPLIED & INSTALLED
18	JUICE DISPENSER	OWNER SUPPLIED & INSTALLED
19	ELECTRIC FIREPLACE	BY DIV 10, CONTRACTOR SUPPLIED & INSTALLED
20	GRAB BARS	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
21	SWING UP GRAB BARS	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
22	CAFE MERCHANDISE FRIDGE	OWNER SUPPLIED & INSTALLED
23	WALL MOUNTED TELEVISION, BLOCKING BY CONTRACTOR, COORD LOCATION W/ OWNER	OWNER SUPPLIED & INSTALLED, BLOCKING BY CONTRACTOR
24	EXISTING WALL MOUNTED TREATMENT TABLE	OWNER SUPPLIED, CONTRACTOR INSTALLED
25	EXITSING THERAPY BIKE	OWNER SUPPLIED & INSTALLED
26	EXISTING THERAPY STAIRS	OWNER SUPPLIED & INSTALLED
27	EXISTING WALL MOUNTED THERAPY PULLEY MACHINE	OWNER SUPPLIED, CONTRACTOR INSTALLED
28	FLOOR COPIER	OWNER SUPPLIED & INSTALLED
29	COUNTERTOP PRINTER	OWNER SUPPLIED & INSTALLED
30	DECORATIVE WOOD MIRROR, 34" X 34" SIGNATURE HARDWARE BURFIELD BAMBOO	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
31	MOBILE PATIENT LIFTS	OWNER SUPPLIED & INSTALLED
32	SANITARY DISPOSAL AND TOILET PAPER HOLDER	BY DIV 10, CONTRACTOR SUPPLIED & INSTALLED
33	DECORATIVE OVAL MIRROR, 24" X 32" SIGNATURE HARDWARE COLBORNE OVAL, MATTE BLACK	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
34	WALL MOUNTED STRETCHER, COORD LOCATION W/ OWNER	OWNER SUPPLIED, CONTRACTOR INSTALLED
35	SST TOILETRY SHELF, 18" X 5"	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
36	SALON HAIR DRYER	OWNER SUPPLIED & INSTALLED
37	LAPTOP	OWNER SUPPLIED & INSTALLED
38	COMPUTER MONITOR	OWNER SUPPLIED & INSTALLED
39	12" TOWEL BAR	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
40	TELEPHONE	OWNER SUPPLIED & INSTALLED
41	STOVE RANGE	OWNER SUPPLIED & INSTALLED
42	ROUND WALL MOUNTED MIRROR	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
43	SHOWER CURTAIN AND ROD	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
44	RETRACTABLE CLOTHES LINE AND CURTAIN	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
45	SHOWER SEAT	BY DIV 10 28 00, CONTRACTOR SUPPLIED & INSTALLED
46	HAIR STYLIST ACCESSORY HANGER	BY DIV 06 41 00, CONTRACTOR SUPPLIED & INSTALLED

FLOOR PLAN KEY NOTES:

01 AT SHADED AREA RECESS CONCRETE SLAB FOR SHOWER.

02 ADD ALT #1: INSTALL NEW FLOORING (CPT1) AND BASE (RB1) AS SHOWN ON PLANS. PAINT ALL WALLS P1 UNLESS OTHERWISE INDICATED ON PLAN. HANDRAILS TO REMAIN.

03 PATCH WALLS WHERE DEVICES WERE REMOVED. PREP FOR NEW FINISHES.

04 INFILL CONCRETE SLAB AT EXISTING VESTIBULE GRATE. POUR, DOWEL, LEVEL, AND FEATHER INTO EXISTING SLAB.

05 RECESSED FIRE EXTINGUISHER CABINET (FEC). INSTALL PER DETAIL AT FULLY RECESSED (FEC) B7/A4.703 AND SEMI-RECESSED PER DETAIL A7/A4.703

06 EVS MOP SINK AND SHELD. INSTALL PER DETAIL F6/A4.703

07 RECESSED AED CABINET. INSTALL PER DETAIL A7/A4.703

08 PATCH AND PAINT WALL AS REQ'D AFTER REMAOVAL OF STAINED GLASS

09 PATCH AND REPAIR EXISTING WALL AS REQ'D AS DISTURBED BY NEW CONSTRUCTION. MATCH EXISTING WALL FINISH AND CONSTRUCTION.

09 PATCH AND REPAIR EXISTING WALL AS REQ'D AS DISTURBED BY NEW CONSTRUCTION. MATCH EXISTING WALL FINISH AND CONSTRUCTION.

10 PROVIDE (1) ADDITIONAL LAYER OF 5/8" GYP BD SO EXTERIOR WALL IS FLUSH WITH INTERIOR WALL.

11 PATCH, REPAIR, AND/ OR REPLACE EXISTING APPLIED GYP AS REQ'D FOR A SMOOTH FINISH

12 REMOVE PORTION OF GYPSUM BD AND BLOCK TO CREATE A SHALLOW CHANNEL FOR EACH ELECTRICAL CONDUIT IN THIS ROOM. CREATE A 1/2" WIDE CHANNEL FOR POWER RECEPTACLES AND 1" WIDE CHANNEL FOR DATA RECEPTACLES (VERIFY). CREATE CHANNEL FROM NEW DEVICE LOCATION TO CEILING. SEE ELEC FOR LOCATIONS OF DEVICES.

13 ADD ALT #2 - PROVIDE NEW LAYER OF GYP BD AFTER THE INSTALLATION OF NEW FIXTURES.

14 ADD ALT #2 - PATCH AND REPAIR EXISTING WALLS AS REQ'D FOR A SMOOTH FINISH. SEE FINISH PLANS.

15 ADD ALT #2 - PROVIDE NEW OVERRIDE AT EXISTING ELEVATOR FOR RESIDENT SECURITY

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN

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 01/28/2025

Revisions

Description	Date	Num

Comm: 246039
Date: 01/28/2025
Drawn: CN, JDV
Check: GB

North

ADD ALT #2 - ENLARGED PLANS & INTERIOR ELEVATIONS

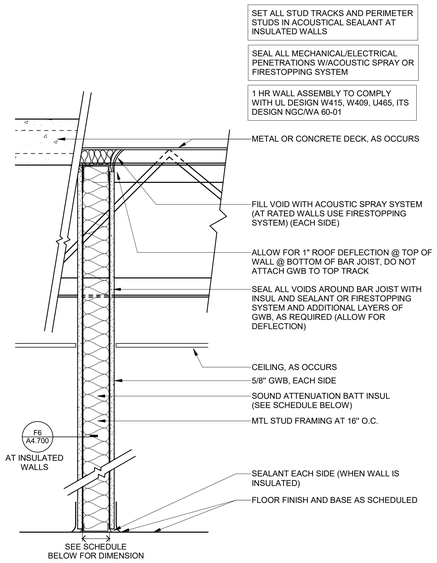
Scale: As indicated

A4.403

Submitted Plan 01/28/2025 - Pelican Valley Senior Living Renovation250039 - Pelican Valley Senior Living Renovation
1/28/2025 9:14:37 PM

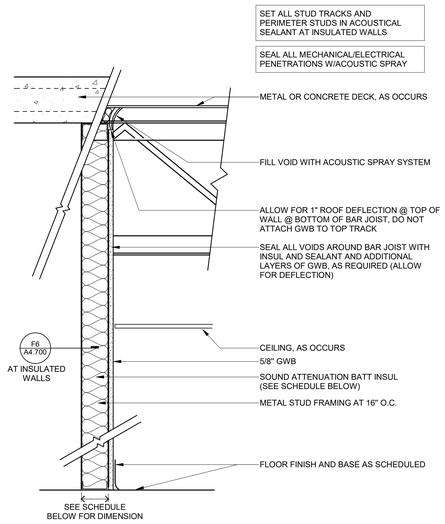
A

MN



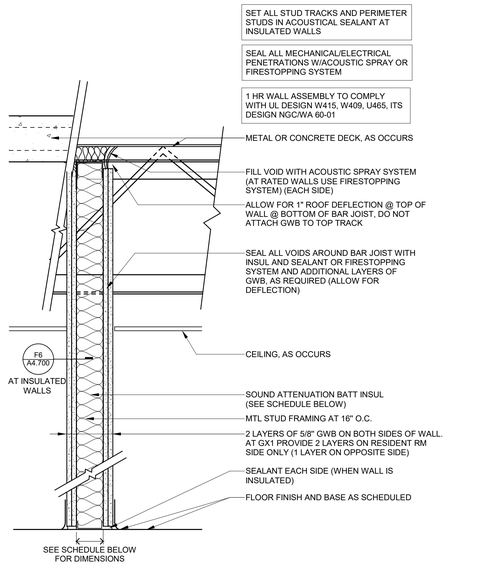
WALL TYPE GA

TYPE	STUD SIZE	INSULATION	MIN STC	NOTES
GA2	3 5/8"	SOUND BATT	48	
GA3	6"	SOUND BATT	48	



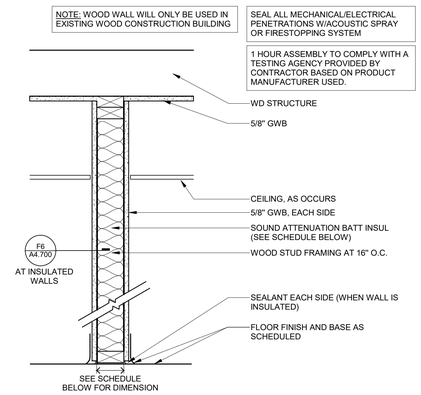
WALL TYPE GB

TYPE	STUD SIZE	INSULATION	MIN STC	NOTES
GB1	2 1/2"	SOUND BATT		
GB2	3 5/8"	SOUND BATT		



WALL TYPE GX

TYPE	STUD SIZE	INSULATION	MIN STC	NOTES
GX1	3 5/8"	SOUND BATT	50	2 LAYERS OF GYP BD ON RESIDENT ROOM SIDE ONLY, 1 LAYER ON OTHER SIDE
GX2	3 5/8"	SOUND BATT	50	
GX3	6"	SOUND BATT	50	



WALL TYPE WA

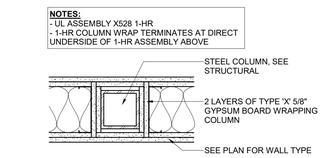
TYPE	STUD SIZE	INSULATION	MIN STC	NOTES
WA1	4"	SOUND BATT		MATCH EXISTING WALL CONSTRUCTION AT INFILL

WALL TYPE GD

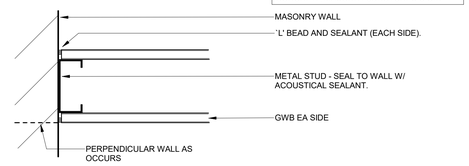
TYPE	STUD SIZE	INSULATION	MIN STC	NOTES
GD2	3 5/8"	SOUND BATT		
GD3	6"	SOUND BATT		

WALL TYPE GE

TYPE	STUD SIZE	INSULATION	MIN STC	NOTES
GE1	2 1/2"	NONE		
GE2	3 5/8"	SOUND BATT		



F4 1-HR COLUMN WRAP, TYPICAL
1 1/2" = 1'-0"
0 1/2" 1"



F6 GWB WALL JUNCTION
3" = 1'-0"
0 3" 6"

A

Pelican Valley Senior Living Renovation
211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
MARTIN MECHANICAL DESIGN

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 **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

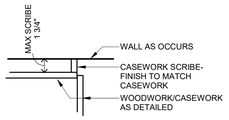
DETAILS - INTERIOR WALL TYPES

Scale: **As indicated**

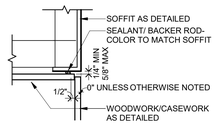
A4.700

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation_r22025.rvt
1/28/2025 9:15:32 PM

MN



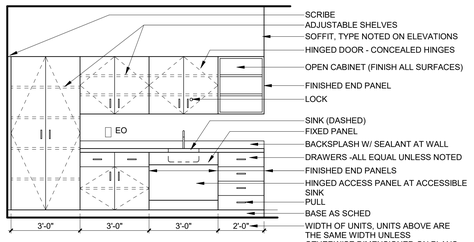
A1 PLAN AT CASEWORK
1 1/2" = 1'-0"



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

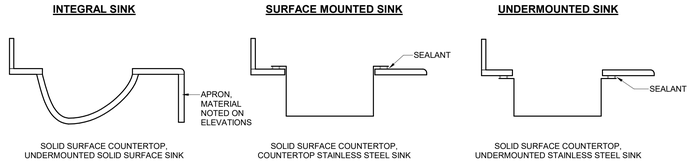
CASEWORK/ MILLWORK GENERAL NOTES:

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.

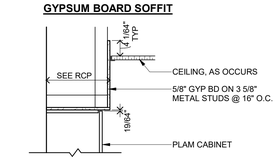


B1 MILLWORK GENERAL INFORMATION
3/8" = 1'-0"

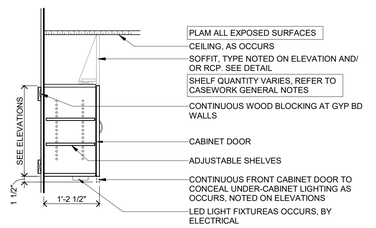
NOTE: SEE INTERIOR ELEVATIONS & MECH FOR TYPE



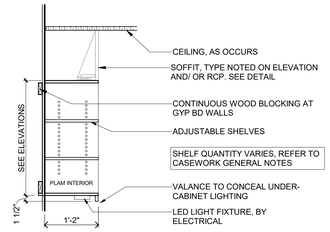
A3 INT DTL - SINK CONDITIONS
1 1/2" = 1'-0"



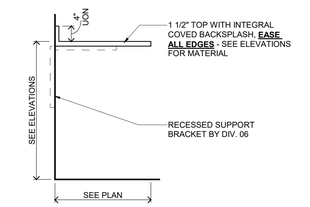
A5 INT DTL - SOFFIT CONDITIONS
3/4" = 1'-0"



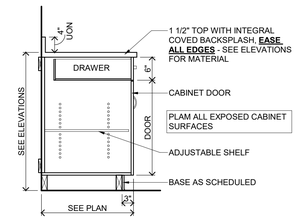
B3 SECTION AT UPPER CABINET
3/4" = 1'-0"



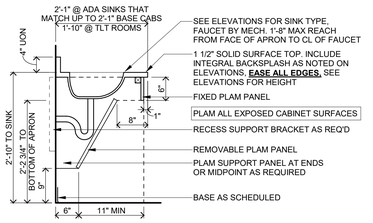
B4 SECTION AT UPPER CAB, OPEN
3/4" = 1'-0"



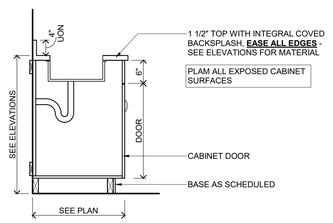
B6 SECTION AT OPEN COUNTERTOP
3/4" = 1'-0"



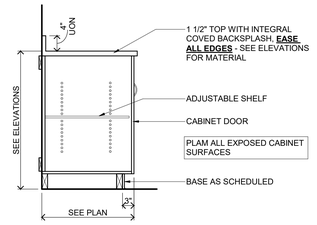
B7 SECTION AT BASE CABINET
3/4" = 1'-0"



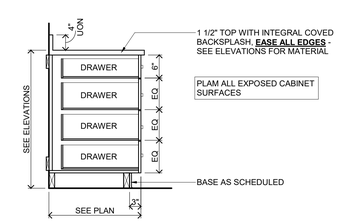
C1 SECTION AT ACCESSIBLE SINK
3/4" = 1'-0"



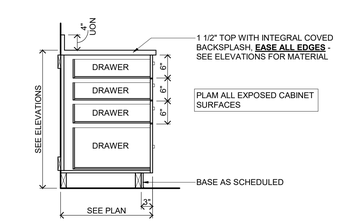
C2 SECTION AT SINK BASE CABINET
3/4" = 1'-0"



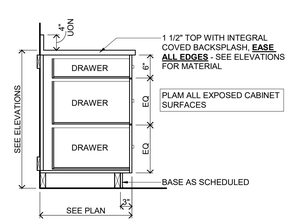
C3 SECTION AT BASE CABINET W/ NO DRAWER
3/4" = 1'-0"



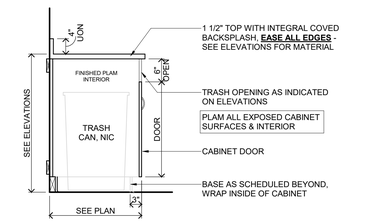
C5 SECTION AT BASE CABINET W/ 4 EQUAL DRAWERS
3/4" = 1'-0"



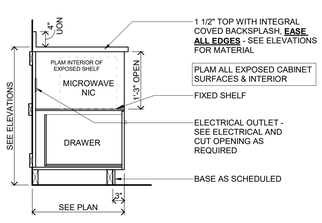
C6 SECTION AT BASE CABINET W/ 4 DRAWERS
3/4" = 1'-0"



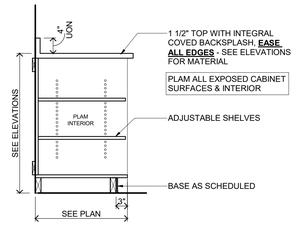
C8 SECTION AT BASE CABINET W/ 3 DRAWERS
3/4" = 1'-0"



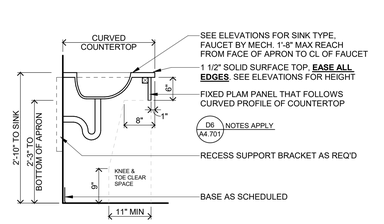
D1 SECTION AT ROLL-IN BASE CABINET
3/4" = 1'-0"



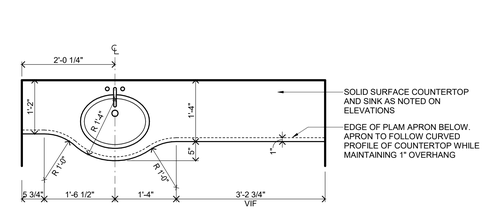
D2 SECTION AT MICROWAVE BASE CABINET
3/4" = 1'-0"



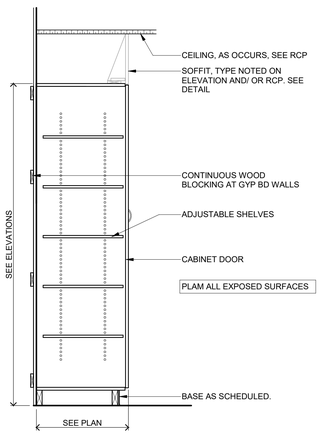
D3 SECTION AT OPEN BASE CABINET
3/4" = 1'-0"



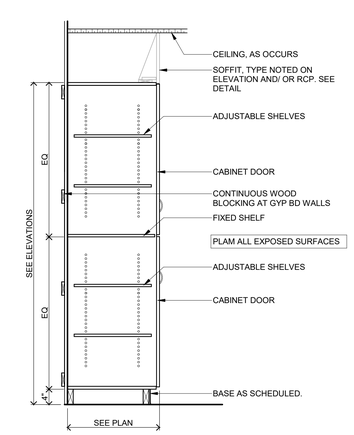
D5 SECTION AT RESIDENT ROOM SINK
3/4" = 1'-0"



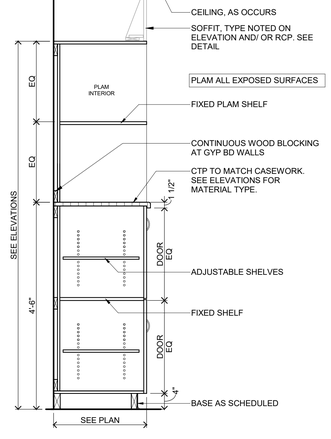
D6 PLAN AT TYPICAL RESIDENT VANITY COUNTERTOP
3/4" = 1'-0"



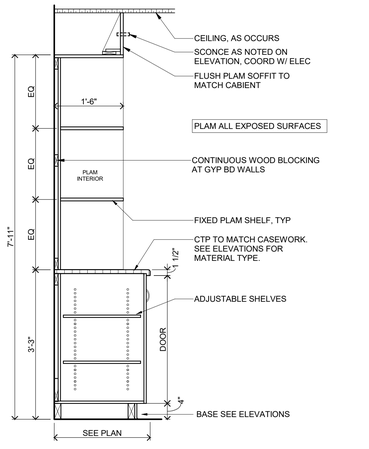
F1 SECTION AT FULL HEIGHT CABINET
3/4" = 1'-0"



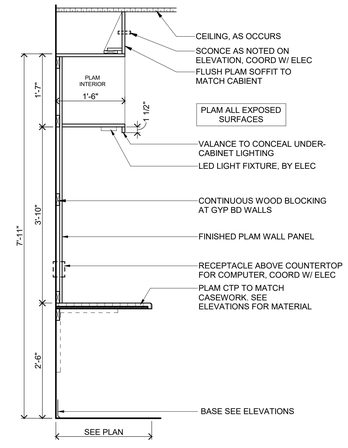
F2 SECTION AT FULL HEIGHT SPLIT CABINET
3/4" = 1'-0"



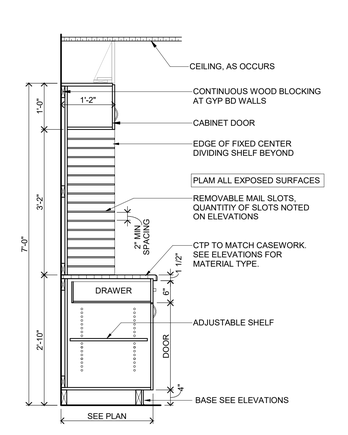
F3 SECTION AT PUZZLE NOOK CABINET
3/4" = 1'-0"



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"

Pelican Valley Senior Living Renovation
211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN

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 **01/28/2025**

Revisions

Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

DETAILS - INTERIOR

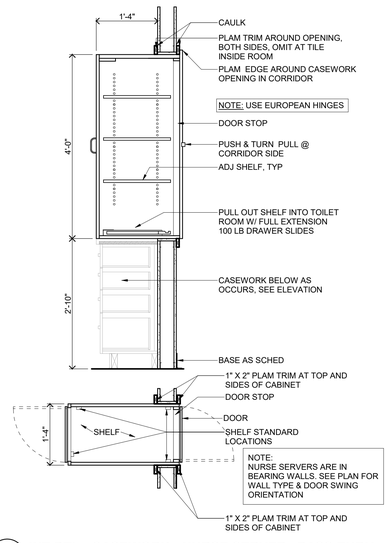
Scale: **As indicated**

A4.701

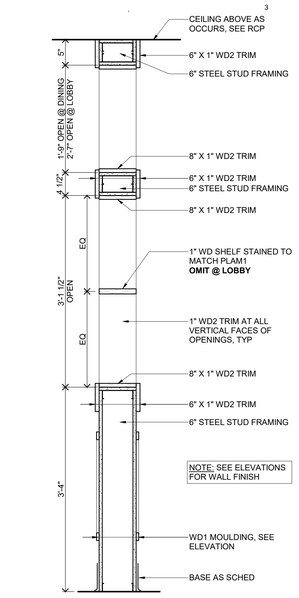
A

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation_22R23.rvt
12/30/2025 9:10:32 PM

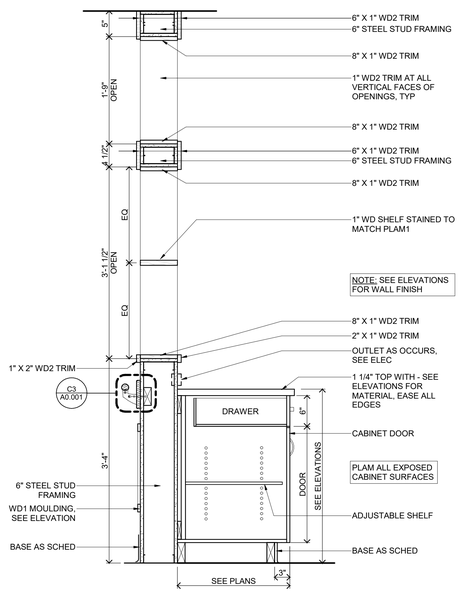
MN



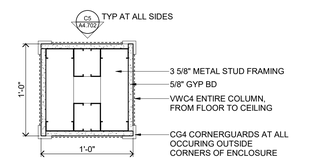
C1 INT DTL - CASEWORK - NURSE SERVER, PASS-THRU
3/4" = 1'-0"



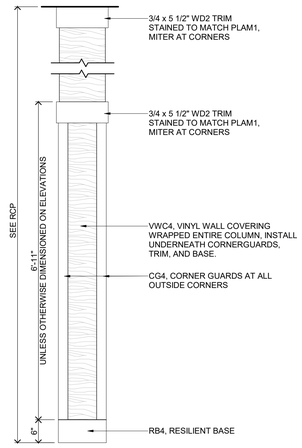
C2 INT DTL - SECTION AT OPEN PARTITION
1" = 1'-0"



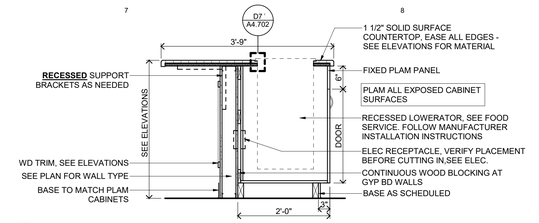
C3 INT DTL - SECTION AT OPEN PARTITION - CASEWORK
1" = 1'-0"



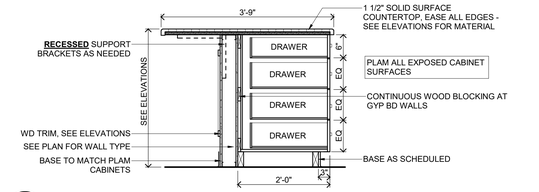
A5 INT DTL - PLAN AT FAUX COLUMN
1 1/2" = 1'-0"



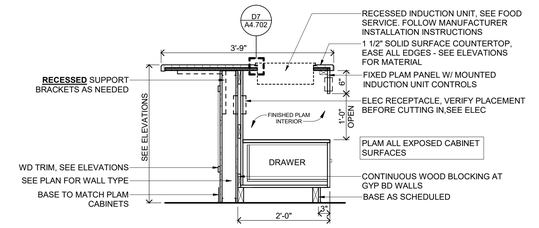
C5 INT DTL - ELEVATION AT FAUX COLUMN
3/4" = 1'-0"



A7 SECTION AT SERVING COUNTER BASE CAB - LOWERATOR
3/4" = 1'-0"



B7 SECTION AT SERVING COUNTER BASE CAB - DRAWERS
3/4" = 1'-0"



C7 SECTION AT SERVING COUNTER BASE CAB - INDUCTION WARMER
3/4" = 1'-0"

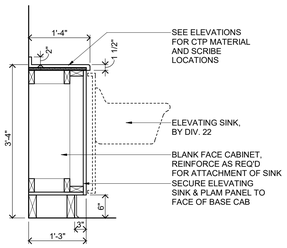
D1 INT DTL - CASEWORK - SALON
3/4" = 1'-0"

E2 INT DTL - SECTION AT FIREPLACE - 1
1" = 1'-0"

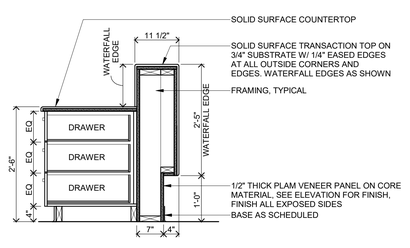
E3 INT DTL - SECTION AT FIREPLACE - 2
1" = 1'-0"

D5 SECTION AT FLOATING SHELF
1 1/2" = 1'-0"

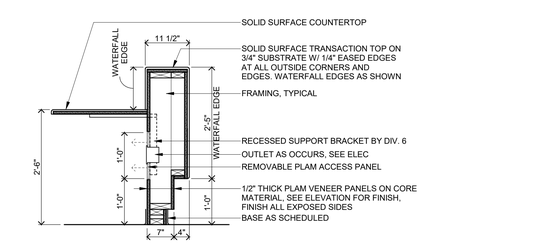
D7 INT DTL - COUNTERTOP SECTION @ INDUCTION UNIT/ LOWERATOR
3" = 1'-0"



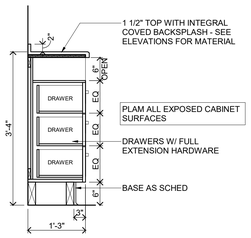
E1 INT DTL - CASEWORK - SALON @ ELEVATING SINK
3/4" = 1'-0"



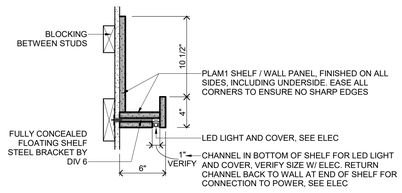
E5 SECTION AT RECEPTION COUNTERTOP W/ DRAWERS
3/4" = 1'-0"



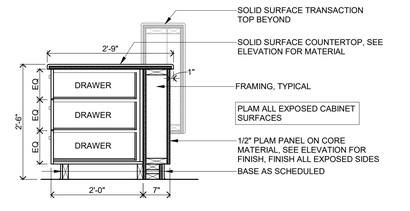
E7 SECTION AT RECEPTION COUNTERTOP
3/4" = 1'-0"



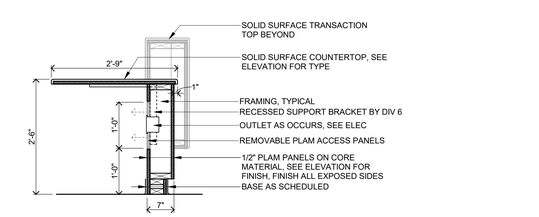
F1 INT DTL - CASEWORK - SALON DRAWERS
3/4" = 1'-0"



F2 SECTION AT RESIDENT ROOM PICTURE SHELF
1 1/2" = 1'-0"



F5 SECTION AT RECEPTION ADA COUNTERTOP W/ DRAWERS
3/4" = 1'-0"



F7 SECTION AT RECEPTION ADA COUNTERTOP
3/4" = 1'-0"

Pelican Valley Senior Living Renovation
211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
MARTIN MECHANICAL DESIGN

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 01/28/2025

Revisions		
Description	Date	Num

Comm: 246039
Date: 01/28/2025
Drawn: CN, JDV
Check: GB

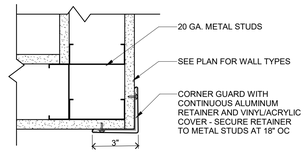
DETAILS - INTERIOR

Scale: As indicated

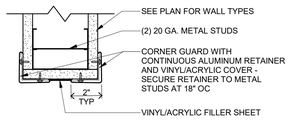
A4.702

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039_Pelican Valley Senior Living_Renovation_25R23.rvt
1/28/2025 9:19:34 PM

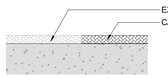
MN



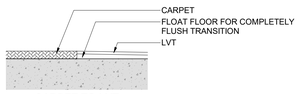
A6 PLAN AT WALL GUARD - CG1
3" = 1'-0" (0, 3", 6")



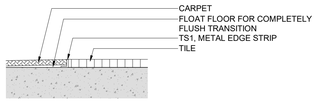
B6 PLAN AT WALL GUARD - EW1
3" = 1'-0" (0, 3", 6")



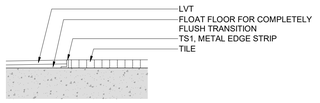
NEW CARPET TO EXISTING CARPET



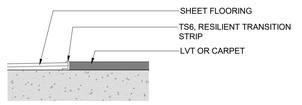
CARPET TO LVT



CARPET TO TILE

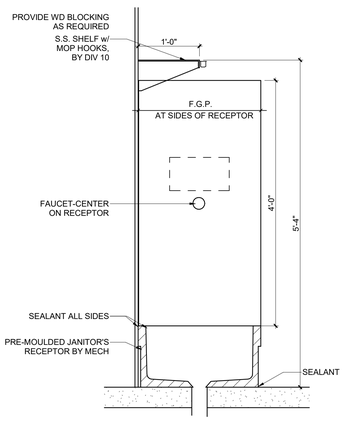


LVT TO TILE

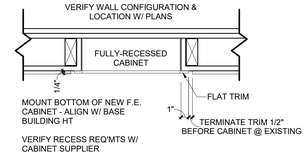


SHEET VINYL TO CARPET OR LVT

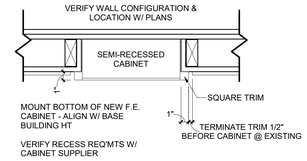
D6 FLOORING TRANSITIONS
6" = 1'-0" (0, 1.5", 3")



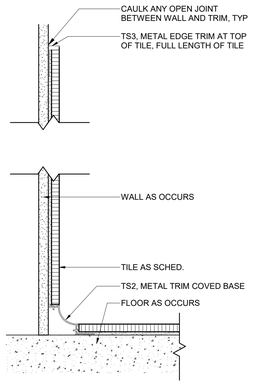
F6 INT DTL - PLMB DTL - JANITOR'S FLOOR RECEPTOR
1" = 1'-0" (0, 9", 1'-6")



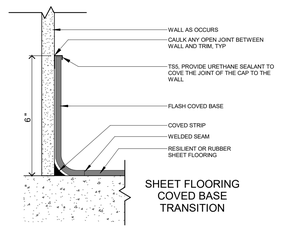
A7 FIRE EXTINGUISHER CAB, FULLY RECESSED
1 1/2" = 1'-0" (0, 1/2", 1')



B7 INT DTL - FIRE EXTINGUISHER CAB, SEMI-RECESSED
1 1/2" = 1'-0" (0, 1/2", 1')



D7 INT DTL - SCHLUTER EDGE DETAILS
3" = 1'-0" (0, 3", 6")



E7 FLOORING TRANSITION - COVED BASE
6" = 1'-0" (0, 1.5", 3")

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN

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

Sara Malin
License Number: **40063** Date **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

North

DETAILS - INTERIOR

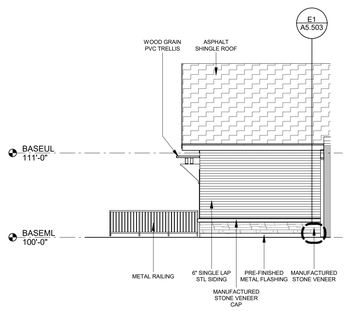
Scale: **As indicated**

A4.703

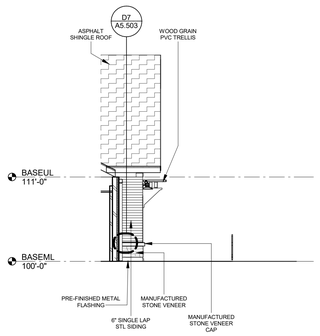
Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation_central.rvt
1/28/2025 9:19:36 PM

A

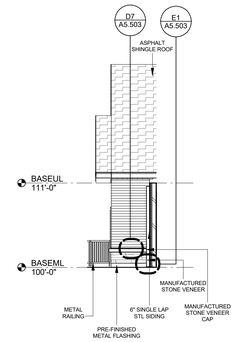
MN



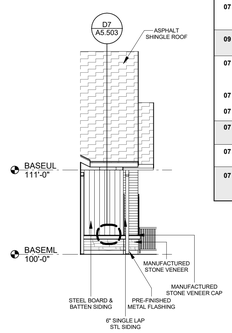
C1 EXTERIOR ELEVATION - 1
1/8" = 1'-0"
0 6' 12'



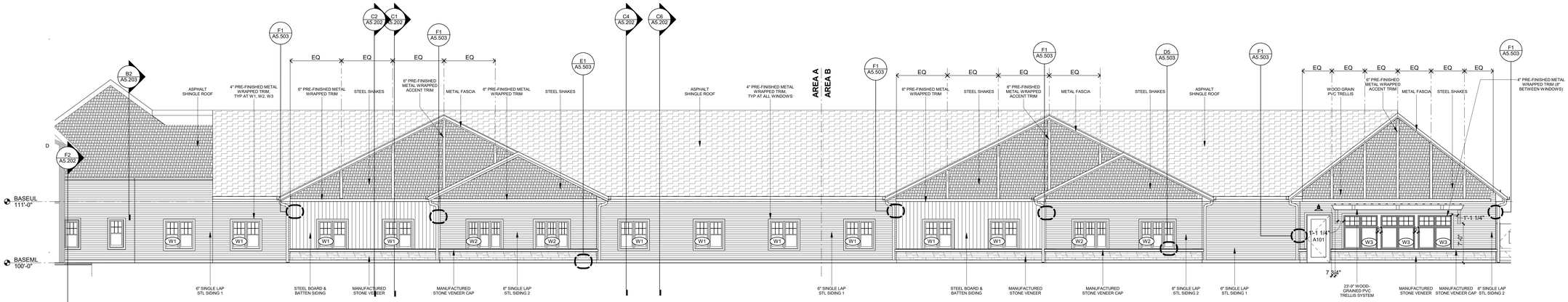
C2 EXTERIOR ELEVATION - 2
1/8" = 1'-0"
0 6' 12'



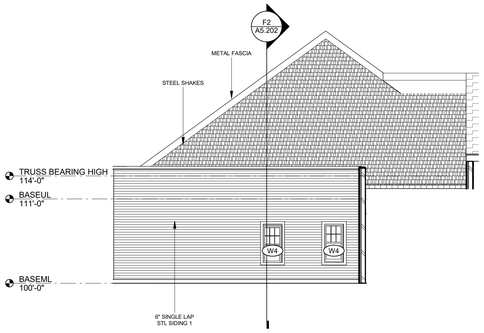
C3 EXTERIOR ELEVATION - 3
1/8" = 1'-0"
0 6' 12'



C4 EXTERIOR ELEVATION - 4
1/8" = 1'-0"
0 6' 12'



E1 EXTERIOR ELEVATION- 5
1/8" = 1'-0"
0 6' 12'



F2 EXTERIOR ELEVATION - 7
1/8" = 1'-0"
0 6' 12'

EXTERIOR ELEVATIONS GENERAL NOTES:

1. REFER TO SHEET 4.700 FOR WALL TYPES.
2. FIELD VERIFY ALL MILLWORK OPENINGS.
3. REFER TO SHEET A0.001 FOR ABBREVIATIONS & SYMBOLS AND EQUIPMENT SCHEDULE.
4. ALL DOOR/ SIDELITE OPENINGS TO BE 4" FROM ADJACENT WALL UNLESS OTHERWISE NOTED
5. GENERAL NOTES AND LEGEND APPLY TO ALL DRAWING SHEETS.
6. FIELD VERIFY ALL DIMENSIONS AND ASBUILT EXISTING CONDITIONS. NOTIFY THE ARCHITECTS IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES OCCUR BEFORE AND/OR DURING CONSTRUCTION DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR TO VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO COMMENCING THE WORK.
7. FIELD VERIFY ALL COLUMNS, REFER TO SHEET A4.700 FOR COLUMN WRAPS

EXTERIOR MATERIAL ID

NOTE: NUMBERS SKIPPED = NOT USED

SPEC SECTION	FINISH CODE	MANUFACTURER	PATTERN/ MODEL	COLOR	SIZE	INSTALL METHOD/LOCATION
04 43 13	MANUFACTURED STONE VENEER	*BASIS OF DESIGN:* ENVIRONMENTAL STONE WORKS	CUT STONE	FOND DU LAC COUNTRY SQUIRE		
	MANUFACTURED STONE VENEER CAP	*BASIS OF DESIGN:* ENVIRONMENTAL STONE WORKS	SILL PIECE	FOND DU LAC		
06 63 00	PVC RAILING	*BASIS OF DESIGN:* TIMBERTECH	PINNACLE RAIL, 42"	WHITE		ALUMINUM CORE WITH EXTRUDED PVC, ALIGN POSTS WITH EXISTING LOCATIONS
07 46 46	FIBER CEMENT SIDING	*BASIS OF DESIGN:* CERACLAD	TRIPLE COATED RAINSCREEN SIDING	NH4992U URBAN CEDAR HONEY		LOCATION: CANOPY COLUMNS AND PANELING INSTALL METHOD: VERTICAL APPLICATION AT CORNERS AND COLUMNS, HORIZONTAL APPLICATION AT CANOPY FACES (ALL 4 SIDES)
07 31 13	ASPHALT SHINGLE ROOF	*BASIS OF DESIGN:* TIMBERLINE HD		TBD: SELECT FROM MANUFACTURER STANDARD		
09 54 23	METAL WOOD-LOOK SOFFITING	*BASIS OF DESIGN:* ARMSTRONG	METALWORKS EFFECTS	SUBTLE EFFECTS EXTERIOR FLAX, M1 UNPERFORATED	8" X 96" X 5/8"	LOCATION: MAIN ENTRY CANOPY CEILING
07 46 19	6" SINGLE LAP STL SIDING 1	*BASIS OF DESIGN:* EDCO PRODUCTS	ENTEX SINGLE 6" TRADITIONAL LAP SIDING	COLONIAL WHITE		
	6" SINGLE LAP STL SIDING 2	*BASIS OF DESIGN:* EDCO PRODUCTS	ENTEX SINGLE 6" TRADITIONAL LAP SIDING	CLASSIC BLUE		
07 46 19	STEEL BOARD & BATTEN SIDING	*BASIS OF DESIGN:* EDCO PRODUCTS	ENTEX VERTICAL 12" BOARD & BATTEN SIDING	COLONIAL WHITE		
07 46 19	STEEL SHAKES	*BASIS OF DESIGN:* EDCO PRODUCTS	ARROWLINE SHAKE SIDEWALL	PEWTER		
07 62 00	METAL SOFFITING, GUTTERS, COPING, FASCIA	*BASIS OF DESIGN:* EDCO PRODUCTS	METAL PERFORATED SOFFITING, GUTTERS, COPING, FASCIA	GLACIER WHITE		
07 62 00	PRE-FINISHED METAL WRAPPED TRIM & FLASHING	*BASIS OF DESIGN:* EDCO PRODUCTS	METAL TRIM	GLACIER WHITE	4" TRIM 6" TRIM	LOCATION: REFER TO ELEVATIONS LOCATION: REFER TO ELEVATIONS
07 54 19	WOOD GRAIN PVC TRELLIS	*BASIS OF DESIGN:* FYPHON WOOD-GRAINED TRELLIS SYSTEM	UNFINISHED, WOOD-GRAINED, STAINED IN PLACE	STAIN COLOR TO BE SELECTED FROM MANUFACTURER STANDARD FINISHES	23'-9" (FOR 18' GARAGE)	SEE ELEVATIONS

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

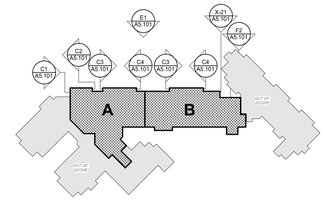
Wold

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN



ELEVATIONS

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 **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

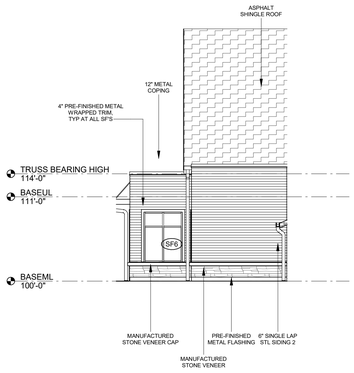
EXTERIOR ELEVATIONS & EXTERIOR MATERIAL ID

Scale: **As Indicated**

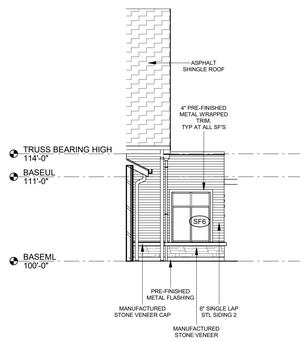
A5.101

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation_2025.rvt
1/28/2025 9:13:08 PM

MN



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



B2 **EXTERIOR ELEVATION - 2**
1/8" = 1'-0"
0 6' 12'

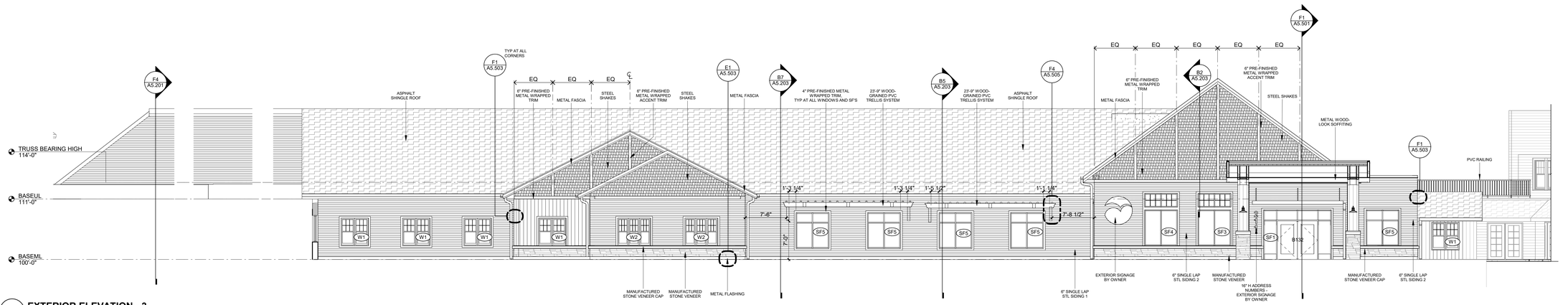
EXTERIOR MATERIAL ID

NOTE: NUMBERS SKIPPED = NOT USED

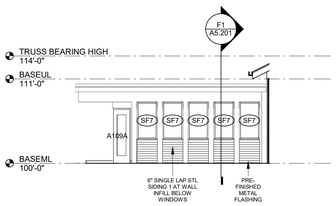
SPEC SECTION	FINISH CODE	MANUFACTURER	PATTERN/ MODEL	COLOR	SIZE	INSTALL METHOD/LOCATION
04 43 13	**MANUFACTURED STONE VENEER**	*BASIS OF DESIGN:* ENVIRONMENTAL STONE WORKS	CUT STONE	FOND DU LAC COUNTRY SQUIRE		
	MANUFACTURED STONE VENEER CAP	*BASIS OF DESIGN:* ENVIRONMENTAL STONE WORKS	SILL PIECE	FOND DU LAC		
06 63 00	**PVC RAILING**	*BASIS OF DESIGN:* TIMBERTECH	PINNACLE RAIL, 42"	WHITE		ALUMINUM CORE WITH EXTRUDED PVC, ALIGN POSTS WITH EXISTING LOCATIONS
07 46 46	**FIBER CEMENT SIDING**	*BASIS OF DESIGN:* CERACLAD	TRIPLE COATED RAINSCREEN SIDING	NH4992U URBAN CEDAR HONEY		LOCATION: CANOPY COLUMNS AND PANELING INSTALL METHOD: VERTICAL APPLICATION AT CORNERS AND COLUMNS, HORIZONTAL APPLICATION AT CANOPY FACES (ALL 4 SIDES)
07 31 13	**ASPHALT SHINGLE ROOF**	*BASIS OF DESIGN:* TIMBERLINE HD		TBD: SELECT FROM MANUFACTURER STANDARD		
09 54 23	**METAL WOOD-LOOK SOFFITING**	*BASIS OF DESIGN:* ARMSTRONG	METALWORKS EFFECTS	SUBTLE EFFECTS EXTERIOR FLAX, M1 UNPERFORATED	8" X 96" X 5/8"	LOCATION: MAIN ENTRY CANOPY CEILING
07 46 19	**6" SINGLE LAP STL SIDING 1**	*BASIS OF DESIGN:* EDCO PRODUCTS	ENTEX SINGLE 6" TRADITIONAL LAP SIDING	COLONIAL WHITE		
	6" SINGLE LAP STL SIDING 2	*BASIS OF DESIGN:* EDCO PRODUCTS	ENTEX SINGLE 6" TRADITIONAL LAP SIDING	CLASSIC BLUE		
07 46 19	**STEEL BOARD & BATTEN SIDING**	*BASIS OF DESIGN:* EDCO PRODUCTS	ENTEX VERTICAL 12" BOARD & BATTEN SIDING	COLONIAL WHITE		
07 46 19	**STEEL SHAKES**	*BASIS OF DESIGN:* EDCO PRODUCTS	ARROWLINE SHAKE SIDEWALL	PEWTER		
07 62 00	**METAL SOFFITING, GUTTERS, COPING, FASCIA**	*BASIS OF DESIGN:* EDCO PRODUCTS	METAL PERFORATED SOFFITING, GUTTERS, COPING, FASCIA	GLACIER WHITE		
07 62 00	**PRE-FINISHED METAL WRAPPED TRIM & FLASHING**	*BASIS OF DESIGN:* EDCO PRODUCTS	METAL TRIM	GLACIER WHITE	4" TRIM 6" TRIM	LOCATION: REFER TO ELEVATIONS LOCATION: REFER TO ELEVATIONS
07 54 19	**WOOD GRAIN PVC TRELLIS**	*BASIS OF DESIGN:* FYPHON WOOD-GRAINED TRELLIS SYSTEM	UNFINISHED, WOOD-GRAINED, STAINED IN PLACE	STAIN COLOR TO BE SELECTED FROM MANUFACTURER STANDARD FINISHES	23'-9" (FOR 18' GARAGE)	SEE ELEVATIONS

EXTERIOR ELEVATIONS GENERAL NOTES:

1. REFER TO SHEET 4.700 FOR WALL TYPES.
2. FIELD VERIFY ALL MILLWORK OPENINGS.
3. REFER TO SHEET A0.001 FOR ABBREVIATIONS & SYMBOLS AND EQUIPMENT SCHEDULE.
4. ALL DOOR/ SIDELITE OPENINGS TO BE 4" FROM ADJACENT WALL UNLESS OTHERWISE NOTED
5. GENERAL NOTES AND LEGEND APPLY TO ALL DRAWING SHEETS
6. FIELD VERIFY ALL DIMENSIONS AND ASBUILT EXISTING CONDITIONS. NOTIFY THE ARCHITECTS IMMEDIATELY IF ANY CONFLICTS OR DISCREPANCIES OCCUR BEFORE AND/OR DURING CONSTRUCTION DRAWINGS ARE NOT TO BE SCALED. CONTRACTOR TO VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO COMMENCING THE WORK.
7. FIELD VERIFY ALL COLUMNS. REFER TO SHEET A4.700 FOR COLUMN WRAPS

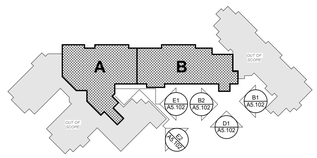


D1 **EXTERIOR ELEVATION - 3**
1/8" = 1'-0"
0 6' 12'



E1 **EXTERIOR ELEVATION - 5**
1/8" = 1'-0"
0 6' 12'

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation_r22@2024.rvt
1/28/2025 8:16:12 PM



ELEVATIONS

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN

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 **01/28/2025**

Revisions		
Description	Date	Num

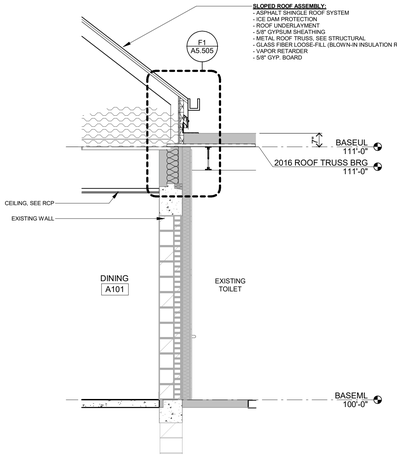
Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

EXTERIOR ELEVATIONS

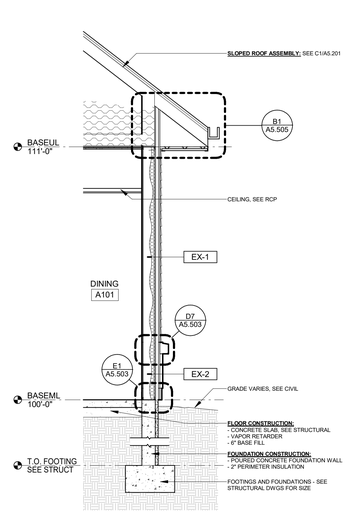
Scale: **As indicated**

A5.102

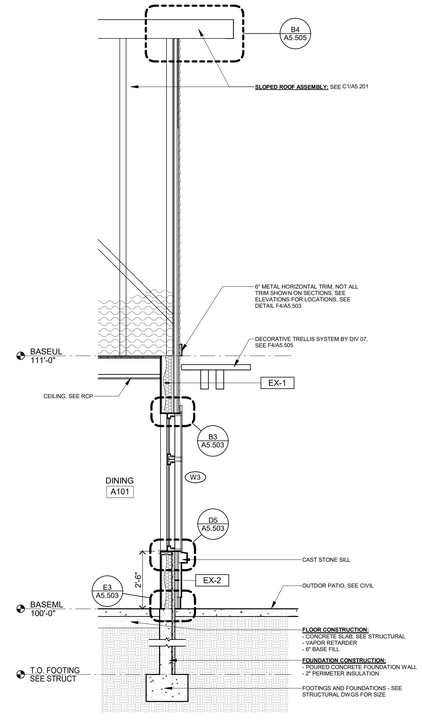
MN



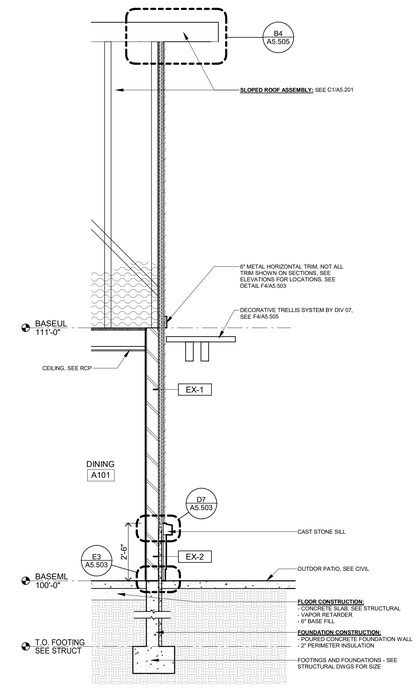
C1 WALL SECTION AT DINING - EXISTING TO NEW
3/8" = 1'-0"
0 2' 4'



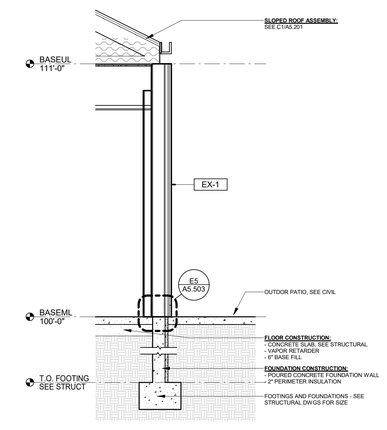
C3 WALL SECTION AT DINING - 1
3/8" = 1'-0"
0 2' 4'



C4 WALL SECTION AT DINING - 2
3/8" = 1'-0"
0 2' 4'

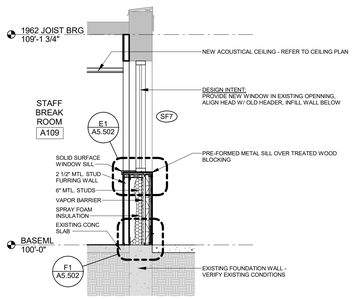


C6 WALL SECTION AT DINING - 3
3/8" = 1'-0"
0 2' 4'

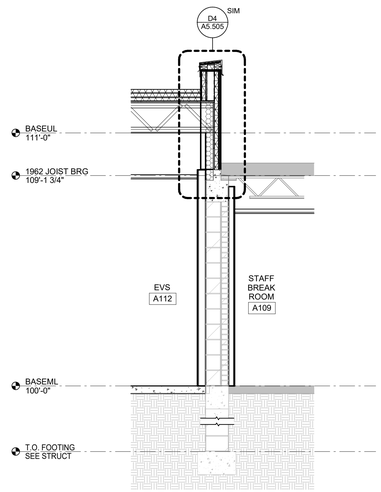


C7 WALL SECTION AT DISH ROOM
3/8" = 1'-0"
0 2' 4'

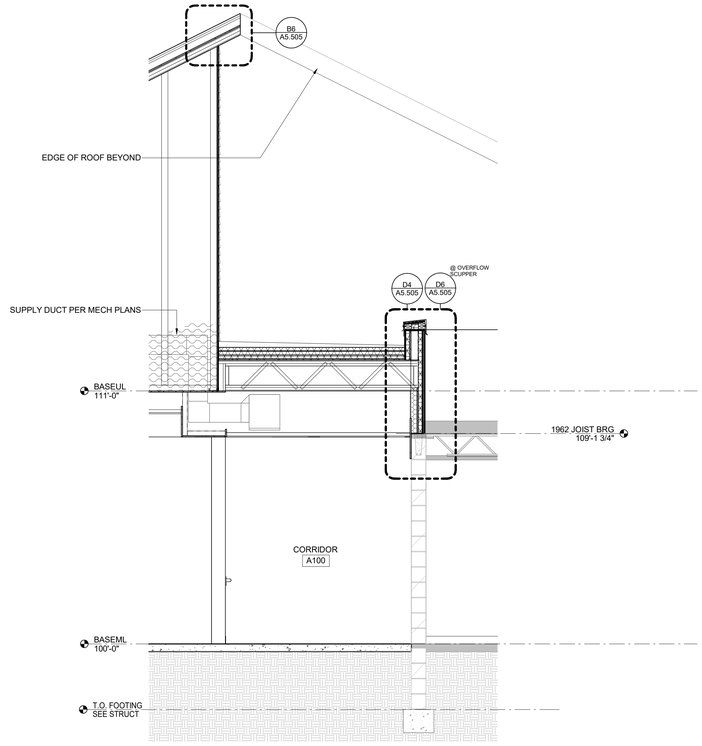
A



F1 WALL SECTION AT STAFF BREAK - EXTERIOR
3/8" = 1'-0"
0 2' 4'



F2 WALL SECTION AT STAFF BREAK - INTERIOR
3/8" = 1'-0"
0 2' 4'



F4 WALL SECTION AT NEW CORRIDOR / EXISTING ACTIVITY
3/8" = 1'-0"
0 2' 4'

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation_central.rvt
1/28/2025 9:10:15 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

NOTE: SEE A5.400 SERIES DRAWINGS FOR EXTERIOR WALL ASSEMBLIES

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN

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 **01/28/2025**

Revisions		
Description	Date	Num

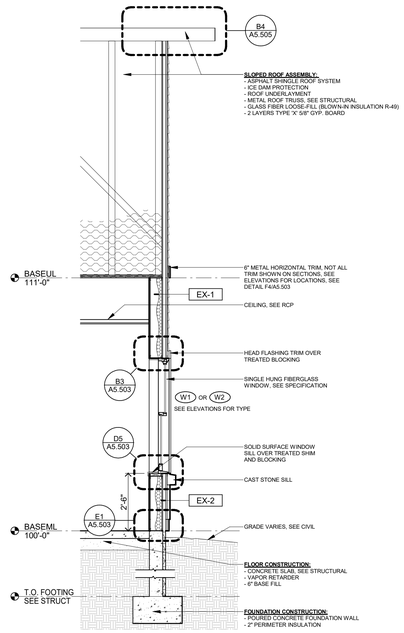
Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

EXTERIOR WALL SECTIONS

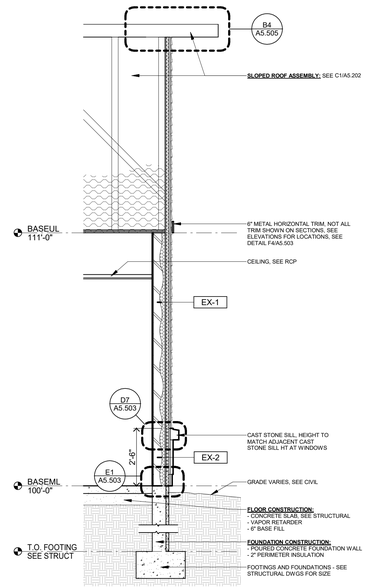
Scale: **3/8" = 1'-0"**

A5.201

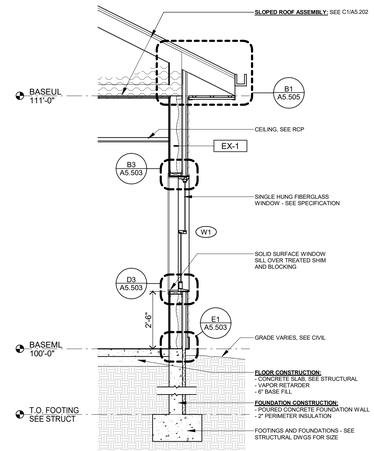
MN



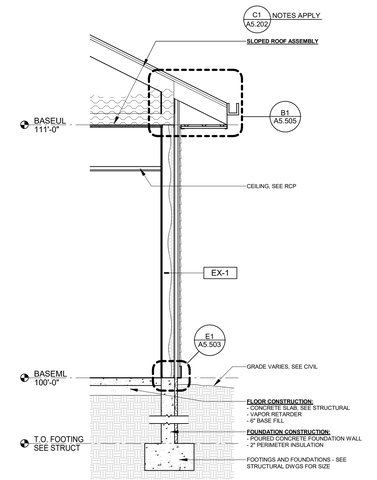
C1 TYPICAL WALL SECTION AT RESIDENT UNIT WINDOW - GABLE
3/8" = 1'-0"
0 2' 4'



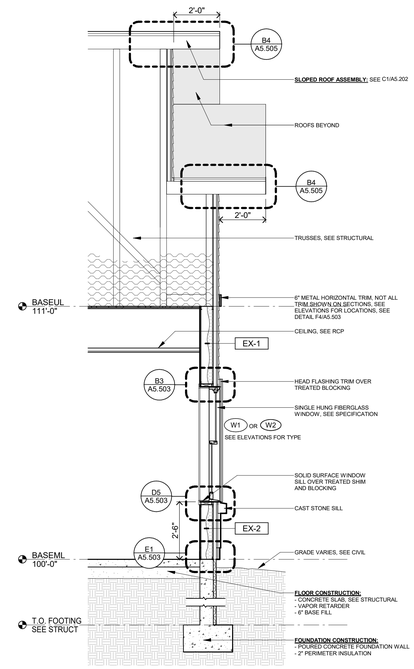
C2 TYPICAL WALL SECTION AT RESIDENT UNIT - GABLE
3/8" = 1'-0"
0 2' 4'



C4 WALL SECTION AT SIDING AND WINDOW - RAKE
3/8" = 1'-0"
0 2' 4'

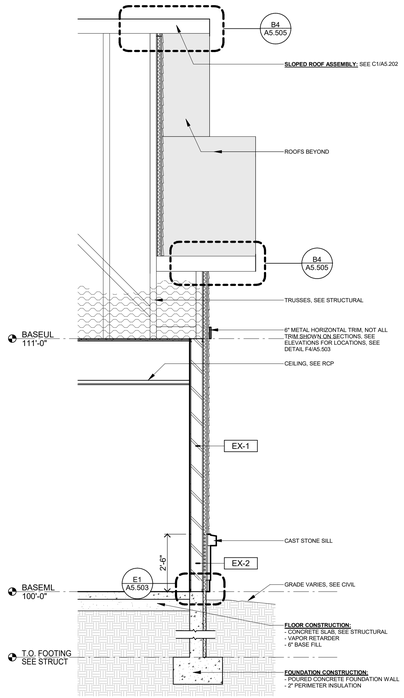


C6 WALL SECTION AT SIDING - RAKE
3/8" = 1'-0"
0 2' 4'

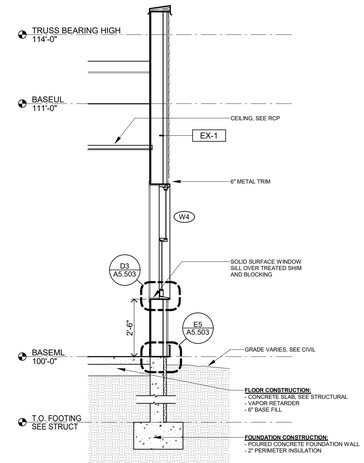


D7 WALL SECTION AT OVERLAPPING RAKES AND WINDOW
3/8" = 1'-0"
0 2' 4'

A



F1 WALL SECTION AT OVERLAPPING RAKES
3/8" = 1'-0"
0 2' 4'



F2 WALL SECTION AT FLAT ROOF - WINDOW
3/8" = 1'-0"
0 2' 4'

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation_22021.rvt
1/28/2025 8:16:17 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN

NOTE: SEE A5.502 FOR EXTERIOR WALL ASSEMBLIES

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 **01/28/2025**

Revisions		
Description	Date	Num

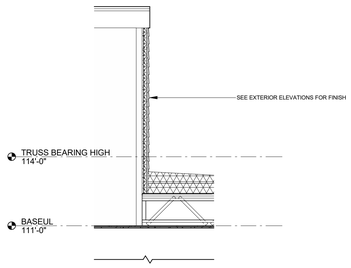
Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

EXTERIOR WALL SECTIONS

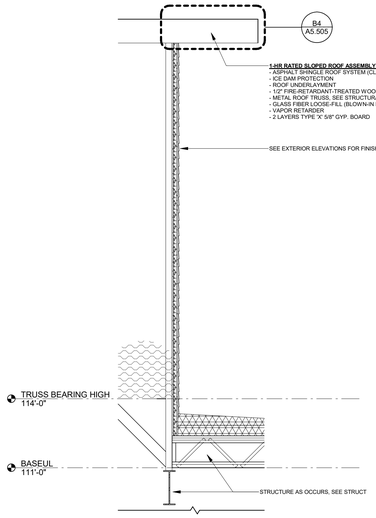
Scale: **3/8" = 1'-0"**

A5.202

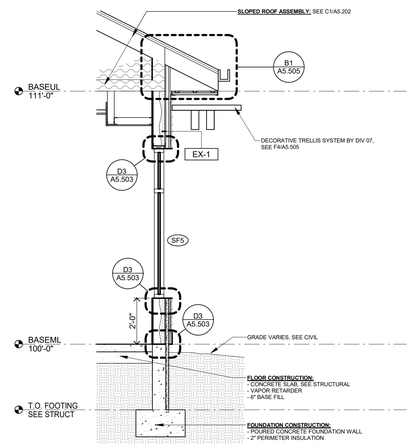
MN



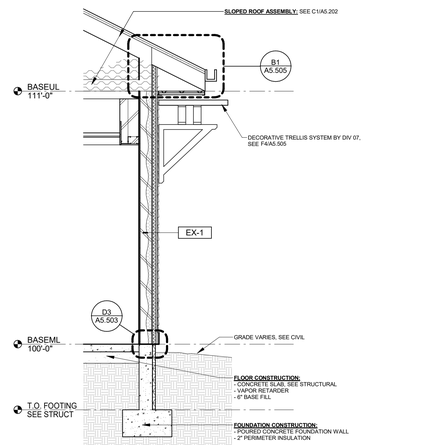
B1 SECTION AT SLOPED TO FLAT ROOF - NO OVERHANG
3/8" = 1'-0"



B2 SECTION AT SLOPED TO FLAT ROOF - OVERHANG
3/8" = 1'-0"



B5 SECTION AT AREA B TRELLIS - WINDOW
3/8" = 1'-0"



B7 SECTION AT AREA A TRELLIS
3/8" = 1'-0"

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation_24_revit.rvt
1/28/2025 9:15:16 PM

A

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN

NOTE: SEE A5.502 FOR EXTERIOR WALL ASSEMBLIES

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 **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

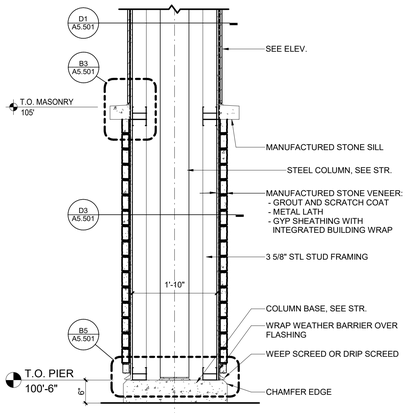
EXTERIOR WALL SECTIONS

Scale: **3/8" = 1'-0"**

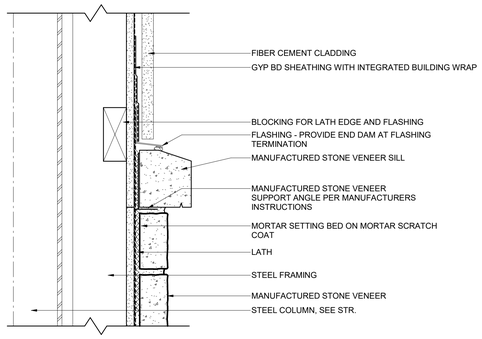
A5.203

MN

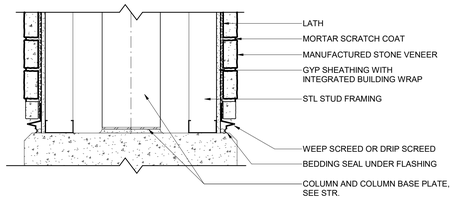
NOTE: COLUMN IS SYMMETRICAL
ABOUT THE COLUMN CENTERLINE



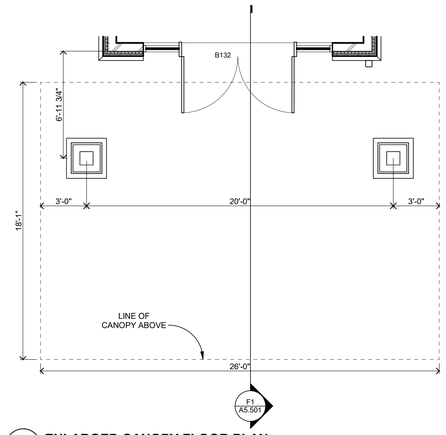
B1 EXT DTL - CANOPY COLUMN VERTICAL SECTION
3/4" = 1'-0"



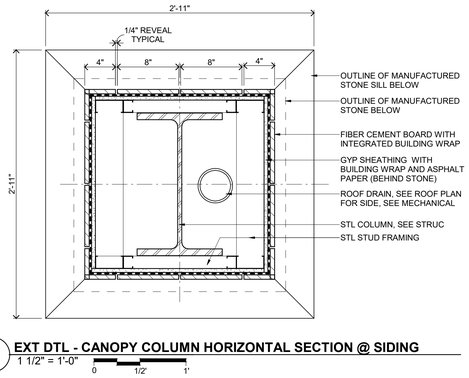
B3 EXT DTL - CANOPY COLUMN MATERIAL TRANSITION AT STONE LEDGE
3" = 1'-0"



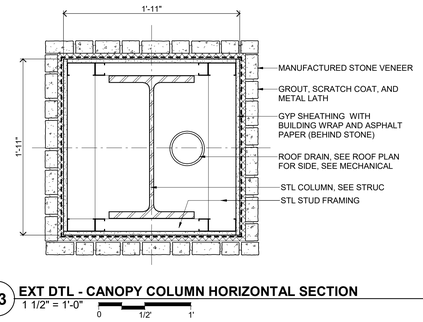
B5 EXT DTL - CANOPY COLUMN BASE
1 1/2" = 1'-0"



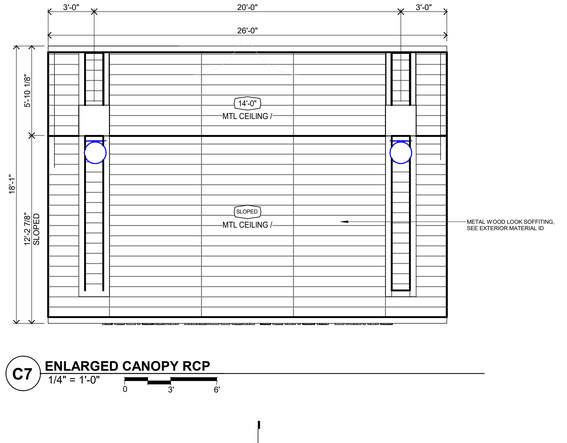
B7 ENLARGED CANOPY FLOOR PLAN
1/4" = 1'-0"



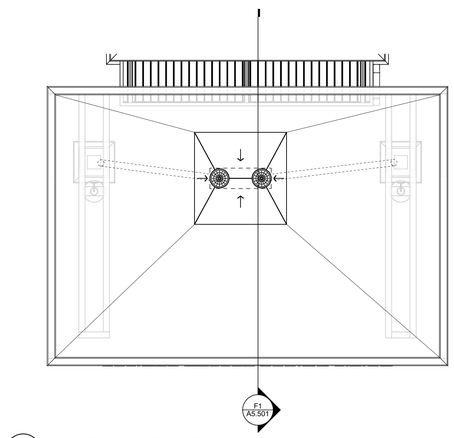
D1 EXT DTL - CANOPY COLUMN HORIZONTAL SECTION @ SIDING
1 1/2" = 1'-0"



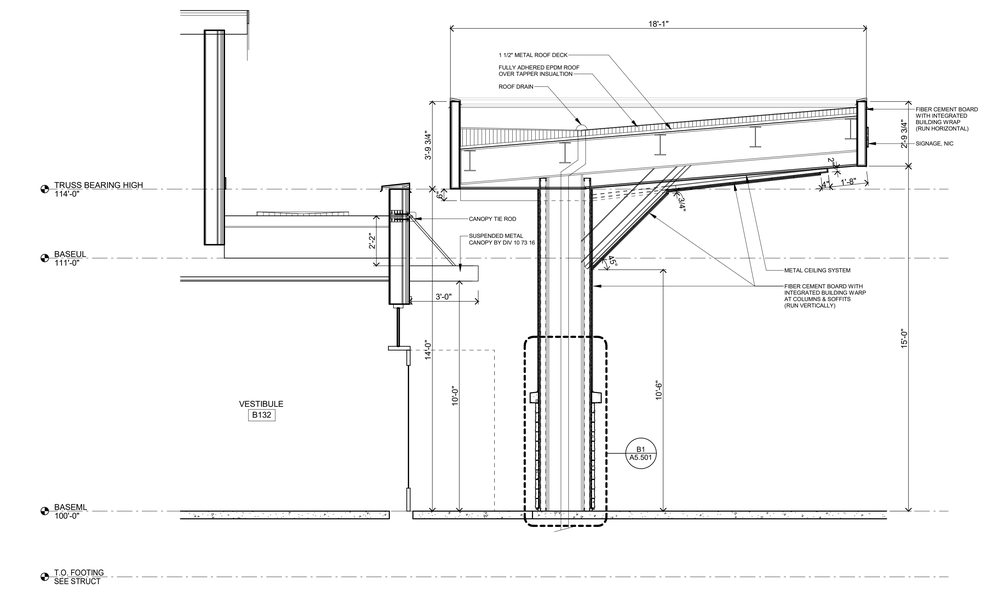
D3 EXT DTL - CANOPY COLUMN HORIZONTAL SECTION
1 1/2" = 1'-0"



C7 ENLARGED CANOPY RCP
1/4" = 1'-0"



E7 ENLARGED CANOPY ROOF PLAN
1/4" = 1'-0"



F1 SECTION AT CANOPY
3/8" = 1'-0"

A

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation
10/28/2025 8:15:22 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN

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 **01/28/2025**

Revisions		
Description	Date	Num

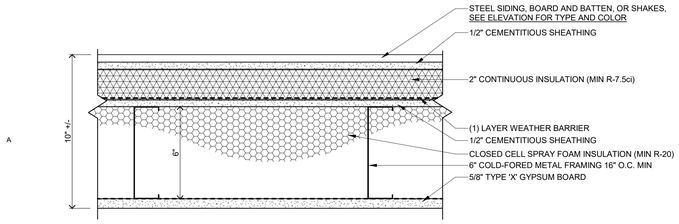
Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

DETAILS - EXTERIOR CANOPY

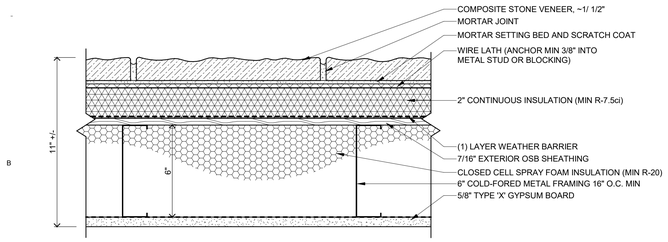
Scale: **As indicated**

A5.501

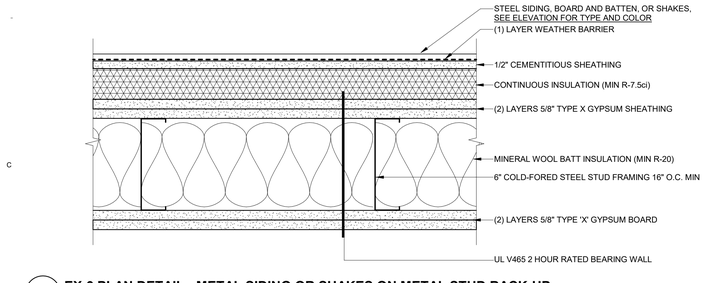
MN



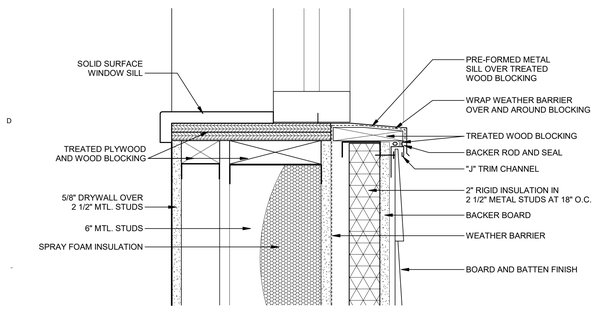
A1 EX-1 PLAN DETAIL - METAL SIDING OR SHAKES ON METAL STUD BACK-UP
3" = 1'-0"



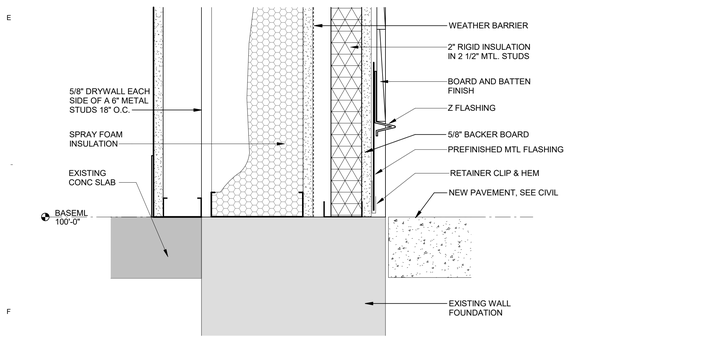
B1 EX-2 PLAN DETAIL - STONE VENEER ON METAL STUD BACK-UP
3" = 1'-0"



C1 EX-3 PLAN DETAIL - METAL SIDING OR SHAKES ON METAL STUD BACK-UP
3" = 1'-0"



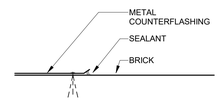
E1 EXT. DETL - WINDOW SILL @ WINDOW INFILL
3" = 1'-0"



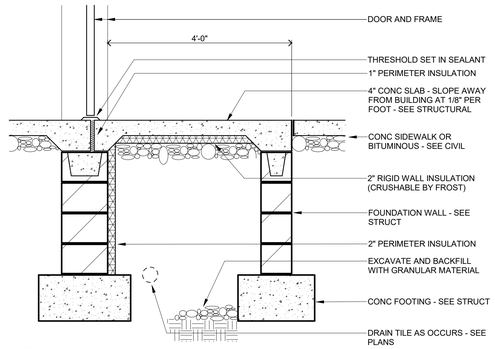
F1 EXT. DTL - VERTICAL SIDING @ FOUNDATION WALL @ WINDOW INFILL
3" = 1'-0"

A

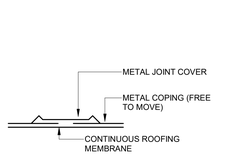
Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation_123025r19.rvt 1/28/2025 8:31:35 PM



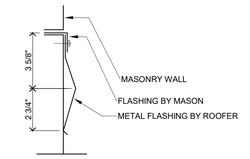
A5 COUNTERFLASHING EDGE
1 1/2" = 1'-0"



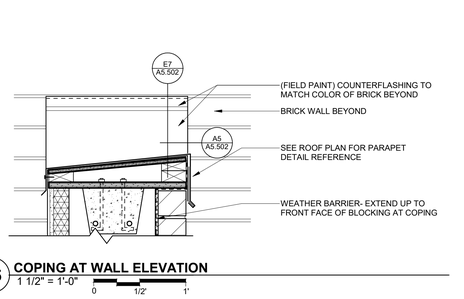
B5 SECTION AT STOOP - TYPICAL
3/4" = 1'-0"



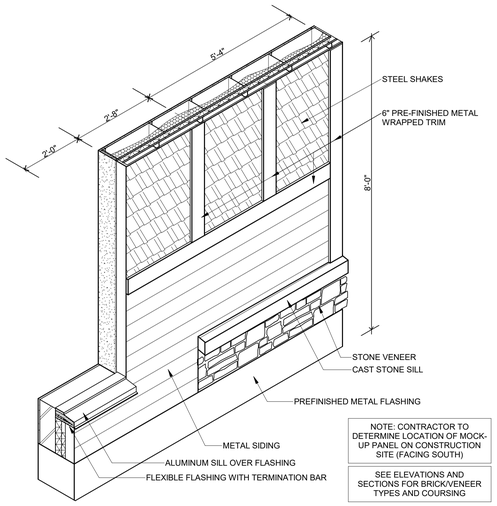
C5 TYPICAL JOINT COVER
3/4" = 1'-0"



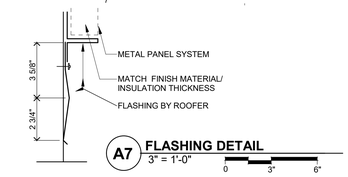
C6 FLASHING DETAIL
3" = 1'-0"



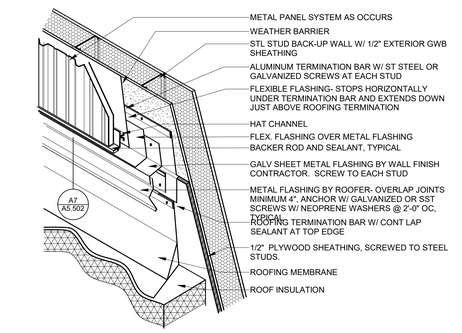
D5 COPING AT WALL ELEVATION
1 1/2" = 1'-0"



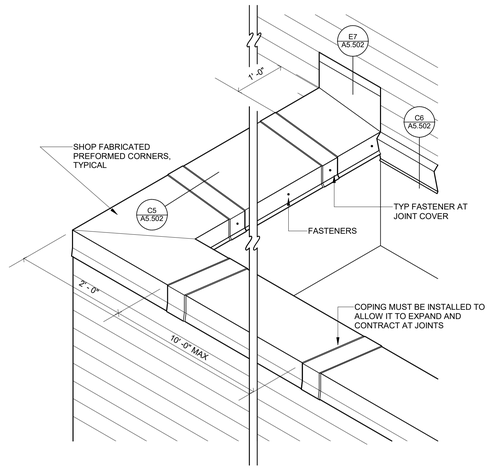
F5 MOCK-UP WALL PANEL
1/2" = 1'-0"



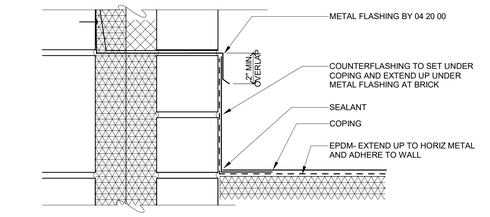
A7 FLASHING DETAIL
3" = 1'-0"



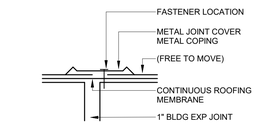
B7 FLASHING DETAIL AT SIDING
NOT TO SCALE



D7 COPING DETAILS
3/4" = 1'-0"



E7 COPING AT WALL SECTION
3" = 1'-0"



F7 TYP EXP JOINT COVER
3/4" = 1'-0"

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
MARTIN MECHANICAL DESIGN

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 **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

DETAILS - EXTERIOR WALL ASSEMBLIES & DETAILS

Scale: **As Indicated**

A5.502

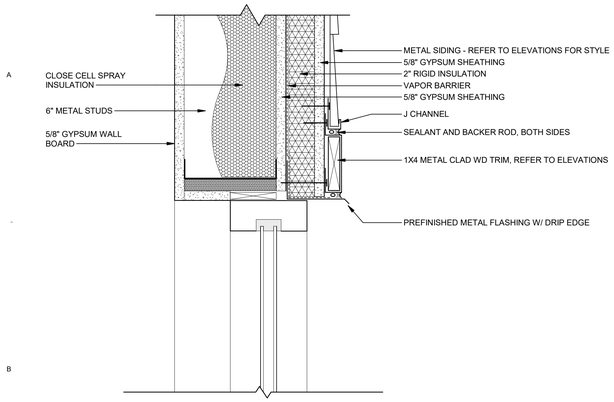
MN

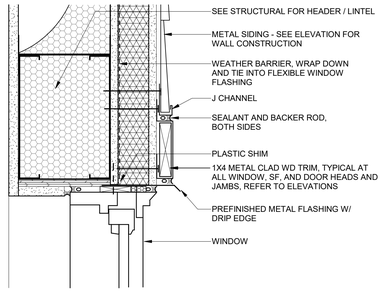
A

B

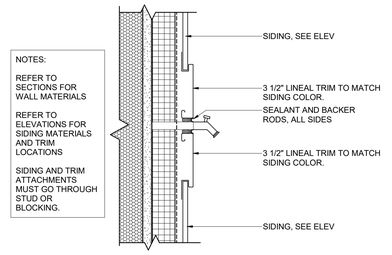
C

F

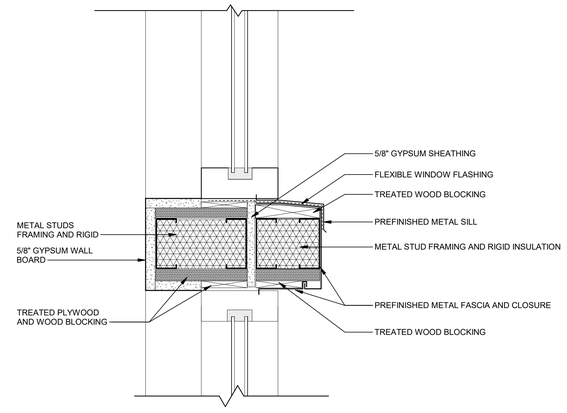


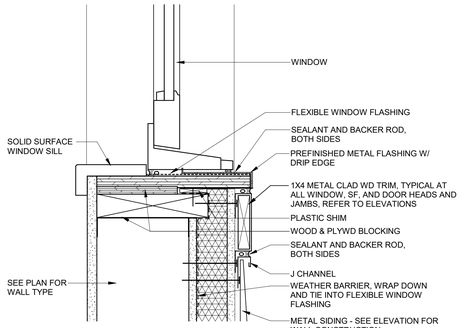


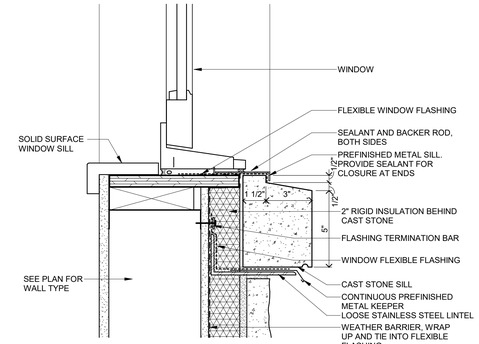
B3 HEAD AT WINDOW - SIDING
3" = 1'-0"

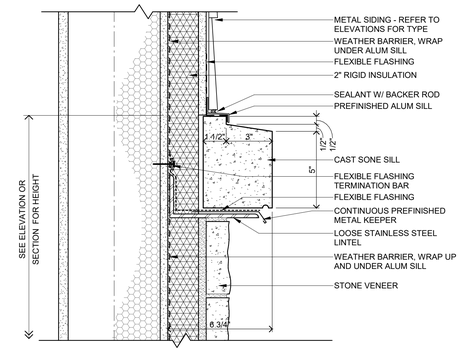


B7 EXT DTL - HOSE BIBB @ SIDING
3" = 1'-0"









D1 HEAD & INTERMEDIATE FRAMING AT STOREFRONTS SF3 & SF4
3" = 1'-0"

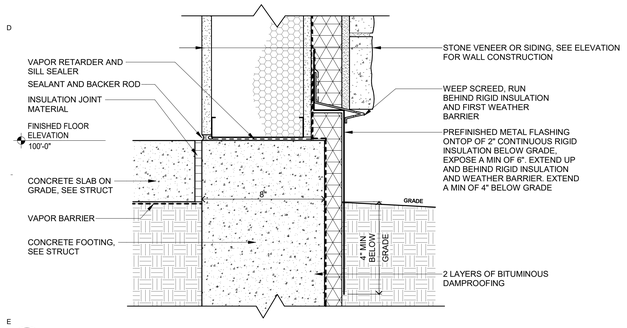
D3 SILL AT WINDOW - SIDING
3" = 1'-0"

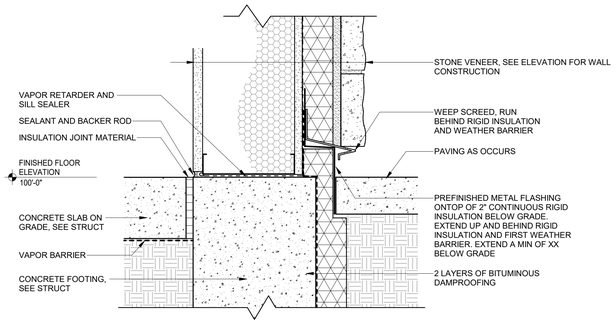
D5 SILL AT WINDOW - CAST STONE SILL
3" = 1'-0"

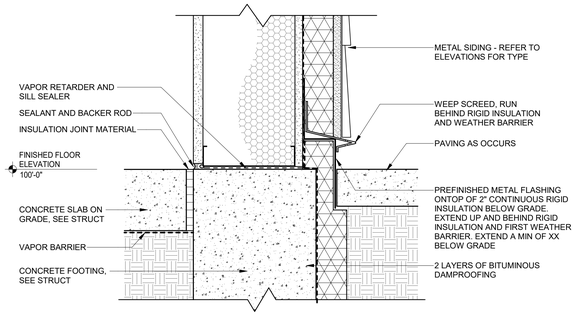
D7 TRANSITION FROM STONE TO METAL SIDING
3" = 1'-0"

D

E



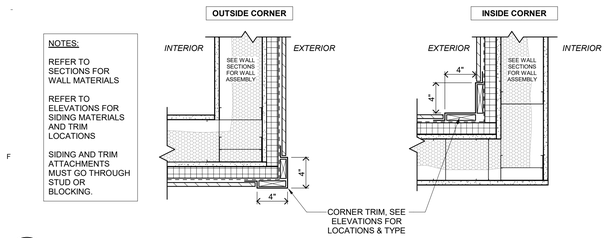


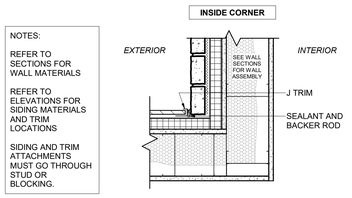


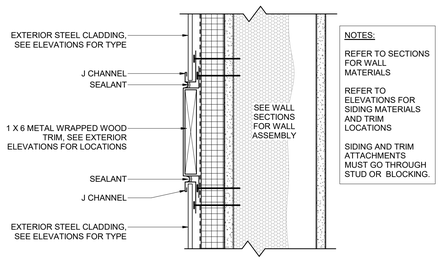
E1 TERMINATION AT GRADE - STONE
3" = 1'-0"

E3 TERMINATION AT PAVING - STONE
3" = 1'-0"

E5 TERMINATION AT PAVING - SIDING
3" = 1'-0"







F1 EXT DTL - CORNER TRIM DETAILS
1 1/2" = 1'-0"

F3 EXT DTL - CORNER STONE TO SIDING
1 1/2" = 1'-0"

F4 EXT DTL - TYP TRIM DETAIL
3" = 1'-0"

Submitted Date: 01/28/2025 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation 1/28/2025 9:10:37 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
MARTIN MECHANICAL DESIGN

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 01/28/2025

Revisions		
Description	Date	Num

Comm: 246039
Date: 01/28/2025
Drawn: CN, JDV
Check: GB

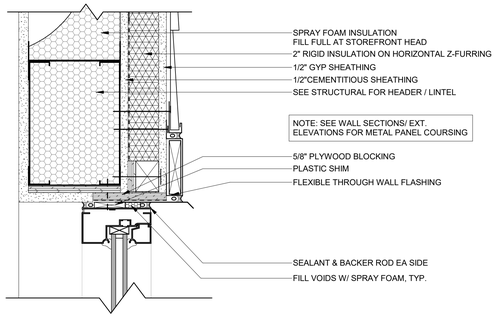
North

DETAILS - EXTERIOR

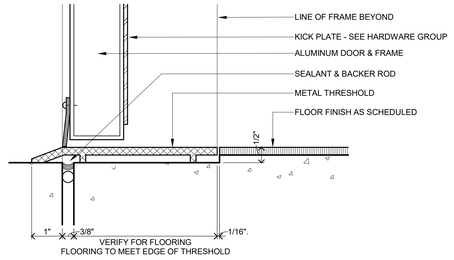
Scale: As Indicated

A5.503

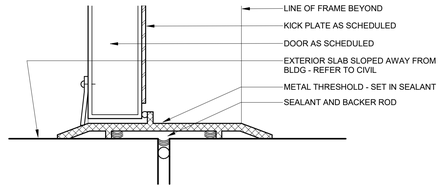
MN



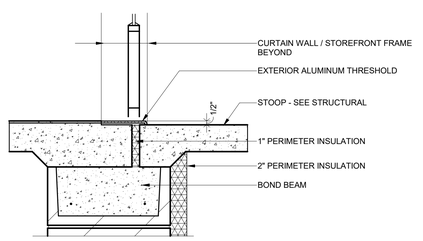
B1 STOREFRONT HEAD AT SIDING
3" = 1'-0" 0 3" 6"



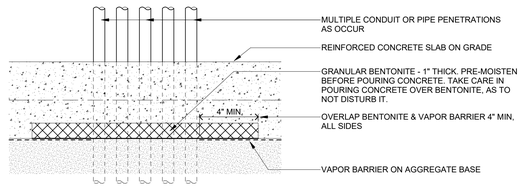
B5 MAIN ENTRY THRESHOLD
6" = 1'-0" 0 1.5" 3"



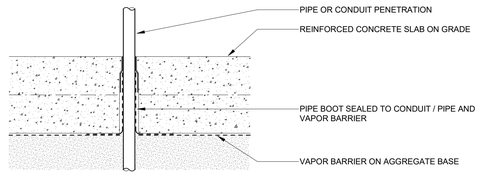
C5 SECONDARY ENTRY & EXIT DOOR THRESHOLD
6" = 1'-0" 0 1.5" 3"



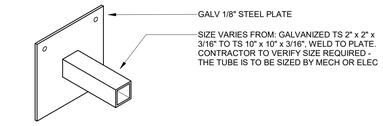
D5 THRESHOLD AT ALUM DOOR
1 1/2" = 1'-0" 0 1/2" 1'



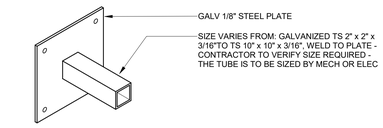
E5 VAPOR BARRIER AT MULTIPLE PENETRATIONS
3" = 1'-0" 0 3" 6"



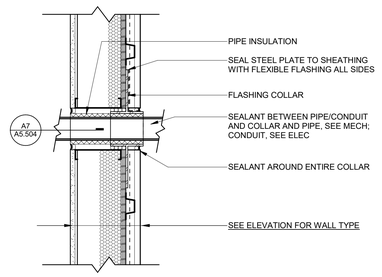
F5 VAPOR BARRIER AT SINGLE PENETRATION
3" = 1'-0" 0 3" 6"



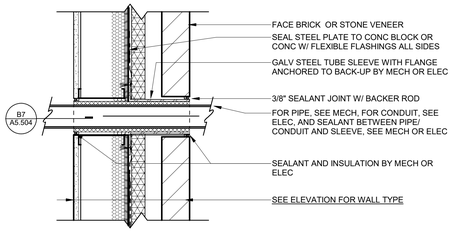
A7 COLLAR DETAIL
1 1/2" = 1'-0" 0 1/2" 1'



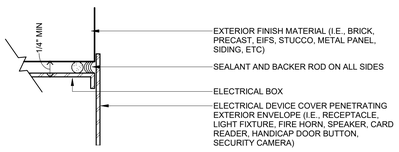
B7 SLEEVE DETAIL
1 1/2" = 1'-0" 0 1/2" 1'



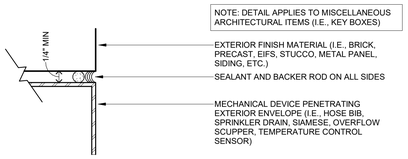
C7 PIPE OR CONDUIT PENETRATION
1 1/2" = 1'-0" 0 1/2" 1'



D7 PIPE OR CONDUIT PENETRATION
1 1/2" = 1'-0" 0 1/2" 1'



E7 SECTION AT TYP ELEC DEVICE
6" = 1'-0" 0 1.5" 3"



F7 SECTION AT TYP MECH DEVICE
6" = 1'-0" 0 1.5" 3"

A

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation_2025.rvt
1/28/2025 8:15:28 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN

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 **01/28/2025**

Revisions		
Description	Date	Num

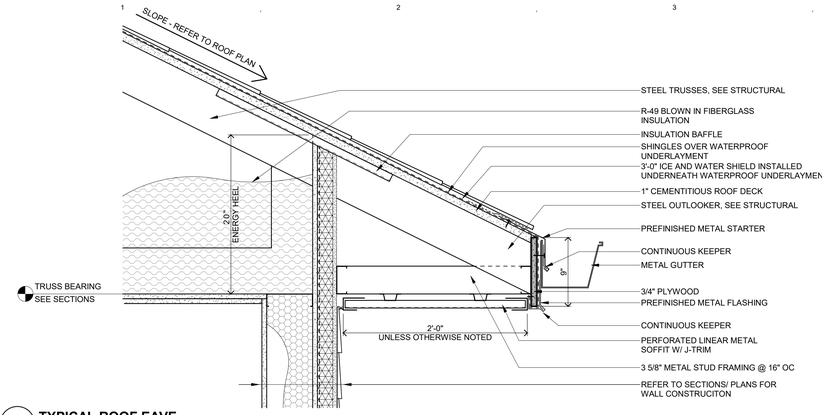
Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**
North

DETAILS - EXTERIOR

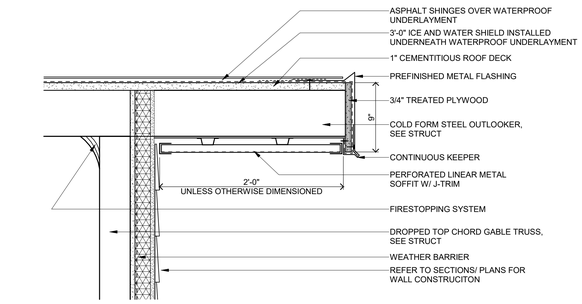
Scale: **As Indicated**

A5.504

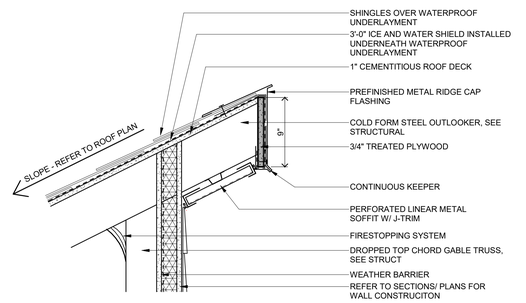
MN



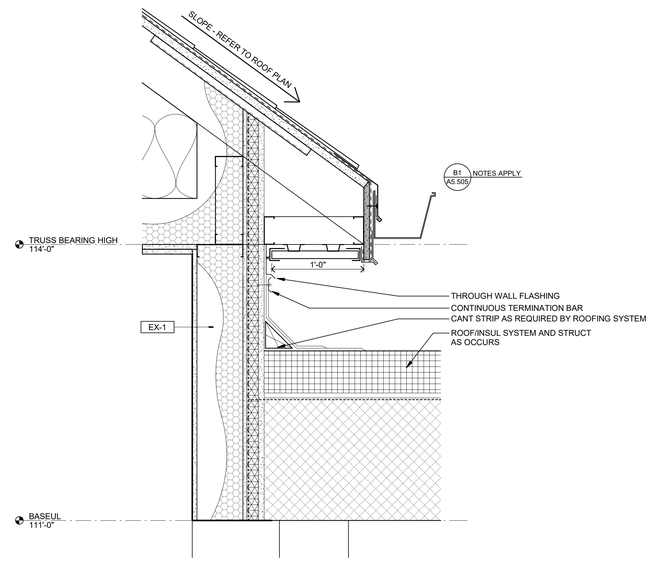
B1 TYPICAL ROOF EAVE
1 1/2" = 1'-0"



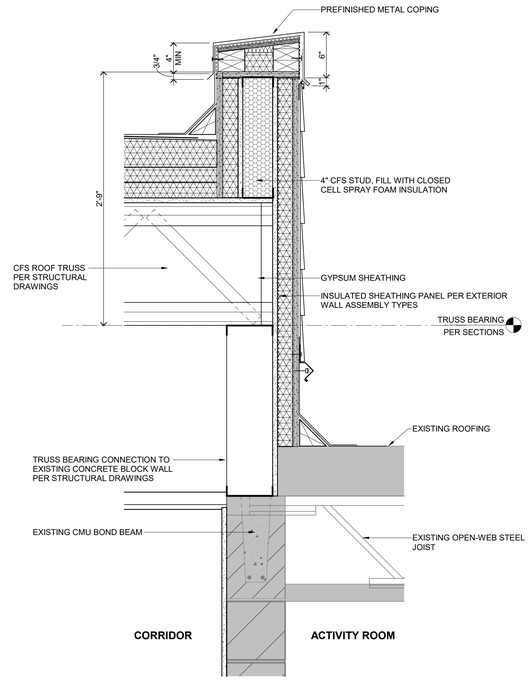
B4 TYPICAL RAKE
1 1/2" = 1'-0"



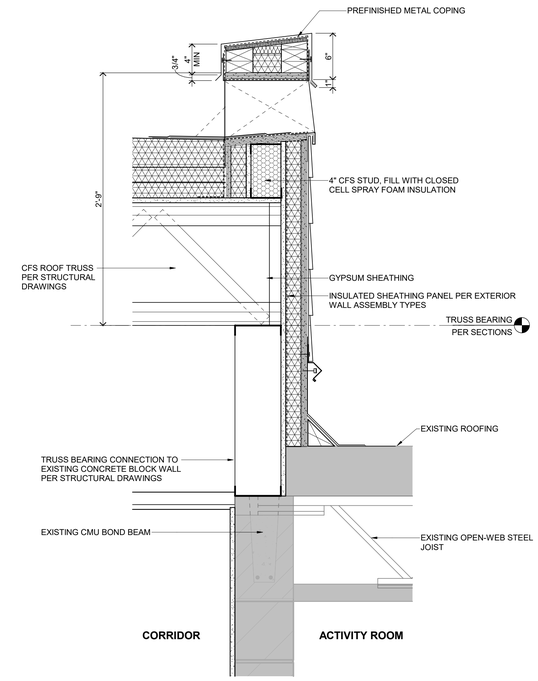
B6 DETAIL AT ROOF RIDGE TO LAP SIDING
1 1/2" = 1'-0"



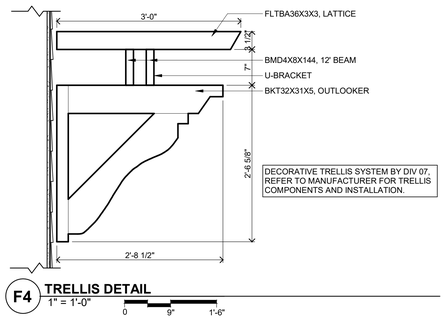
D1 SECTION AT HIGH TRUSS BEARING TO FLAT ROOF
1 1/2" = 1'-0"



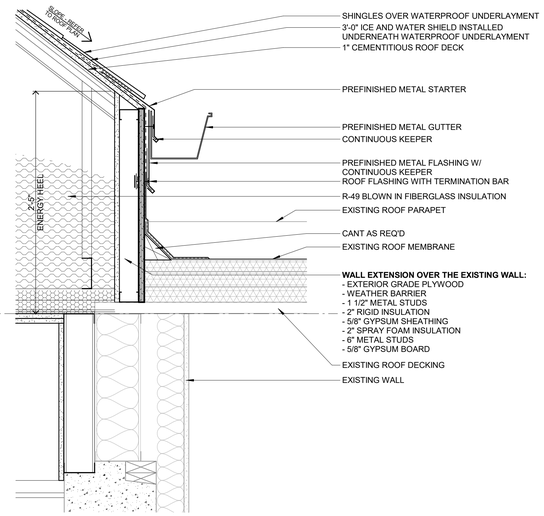
D4 SECTION AT PARAPET - NEW OVER EXISTING ROOF
1 1/2" = 1'-0"



D6 SECTION AT PARAPET - NEW OVER EXISTING ROOF @ OVERFLOW SCUPPER
1 1/2" = 1'-0"



F4 TRELLIS DETAIL
1" = 1'-0"



F1 WALL EXTENSION OVER EXISTING WALL
1 1/2" = 1'-0"

A

Pelican Valley Senior Living Renovation
211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
MARTIN MECHANICAL DESIGN

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 **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**
North

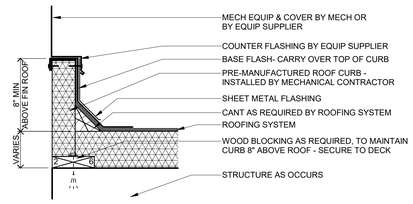
Scale: **As Indicated**

DETAILS - EXTERIOR ROOF

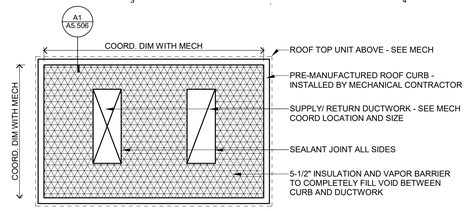
A5.505

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation - 2025.rvt
1/28/2025 4:19:31 PM

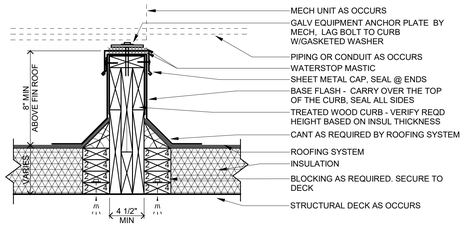
MN



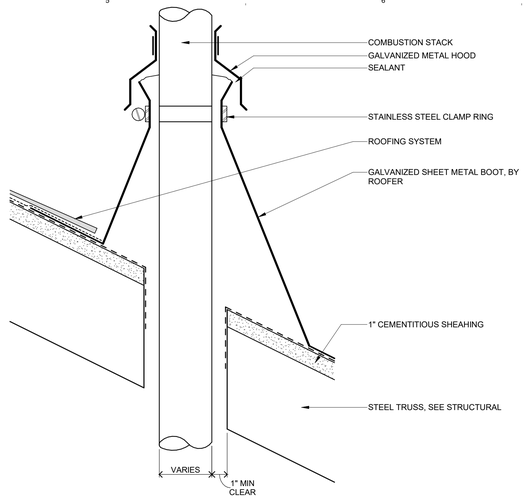
A1 PENETRATION CURB
1 1/2" = 1'-0"



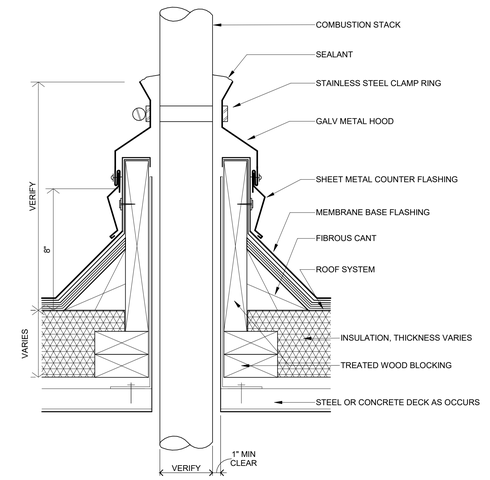
A2 PLAN DETAIL AT INSUL. UNDER RTU
1/2" = 1'-0"



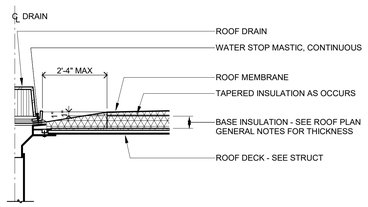
B1 EQUIPMENT CURB
1 1/2" = 1'-0"



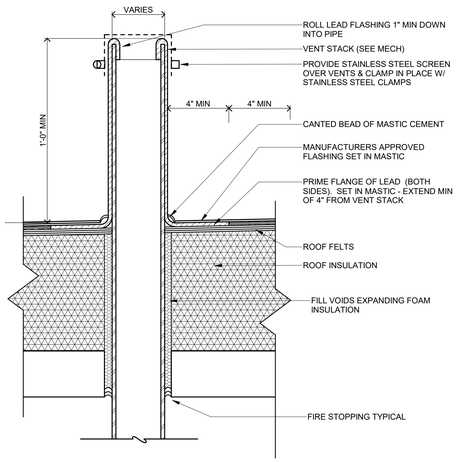
B4 BUILT-UP SLOPED ROOF COMBUSTION STACK
3" = 1'-0"



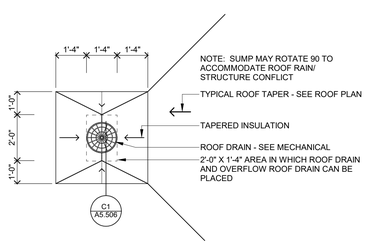
B7 BUILT-UP ROOF COMBUSTION STACK
3" = 1'-0"



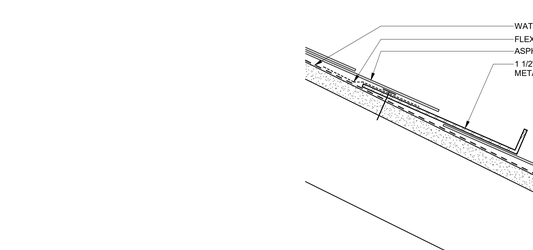
C1 ROOF DRAIN SUMP SECTION
3/4" = 1'-0"



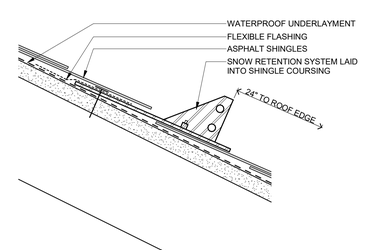
D2 BUILT-UP ROOF VENT
3" = 1'-0"



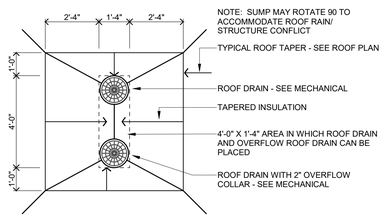
D1 ROOF DRAIN TYPICAL SUMP PLAN
3/8" = 1'-0"



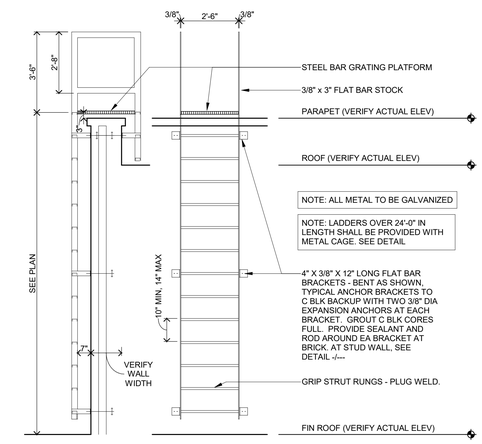
D6 RAIN DIVERTER
3" = 1'-0"



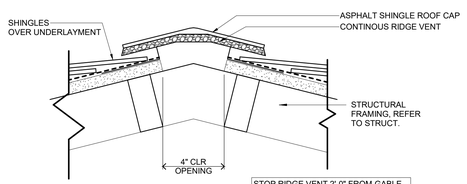
D7 SNOW RETENTION SYSTEM
3" = 1'-0"



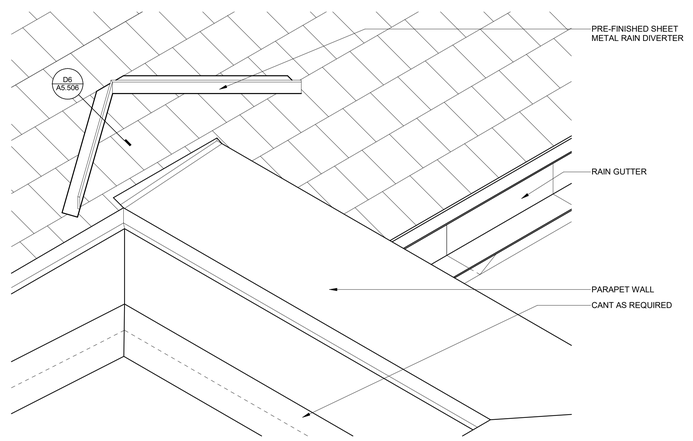
E1 ROOF DRAIN TYPICAL SUMP PLAN W/ OVERFLOW
3/8" = 1'-0"



D2 ROOF LADDER ELEV/SECTION
3/8" = 1'-0"



F1 ROOF RIDGE VENT - TYP
3" = 1'-0"



F6 PARAPET RAIN DIVERTER AXON
1 1/2" = 1'-0"

A

Submitted Date: 01/28/2025 - Pelican Valley Senior Living Renovation\246039.rvt - Pelican Valley Senior Living Renovation
1/28/2025 8:19:30 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN

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 01/28/2025

Revisions		
Description	Date	Num

Comm: 246039
Date: 01/28/2025
Drawn: CN, JDV
Check: GB

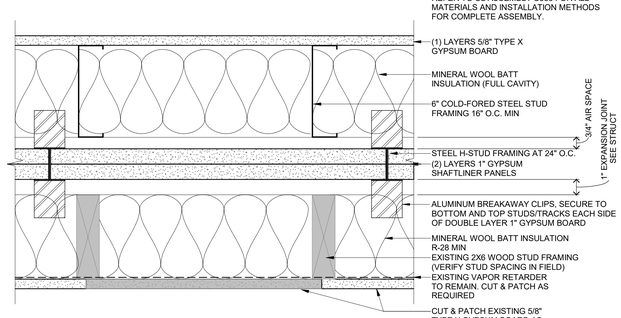
North

DETAILS - EXTERIOR ROOF

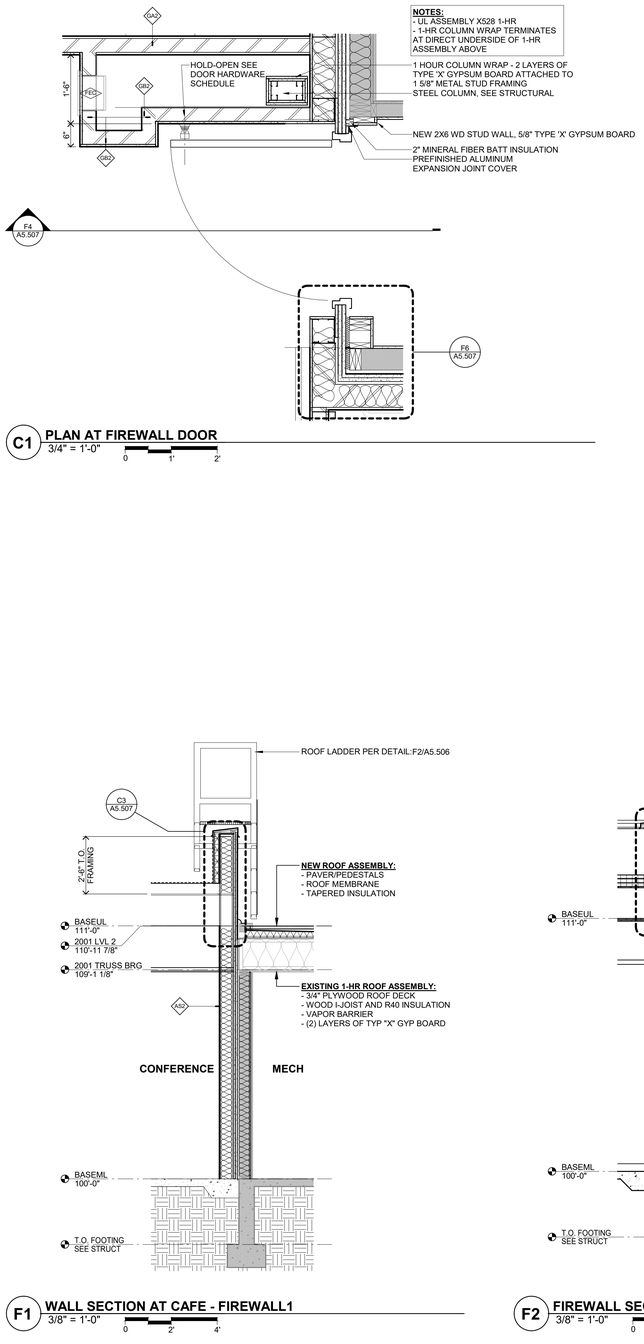
Scale: As Indicated

A5.506

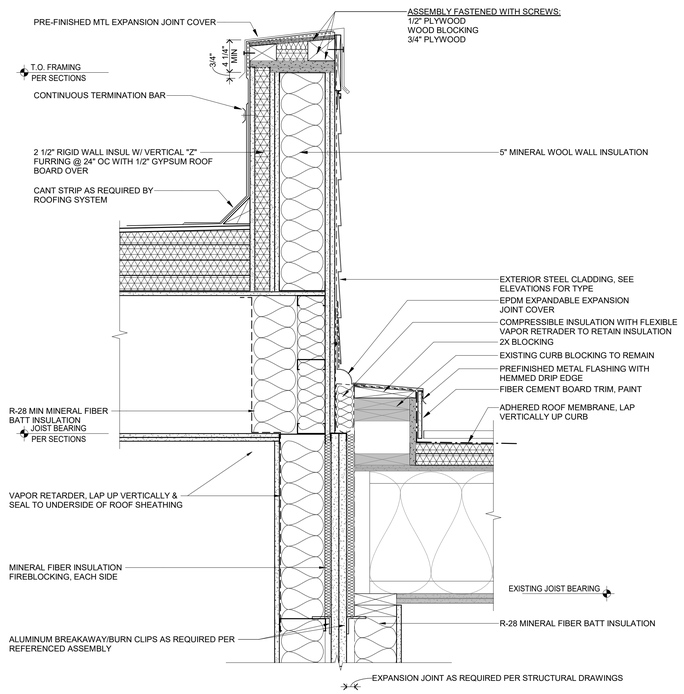
MN



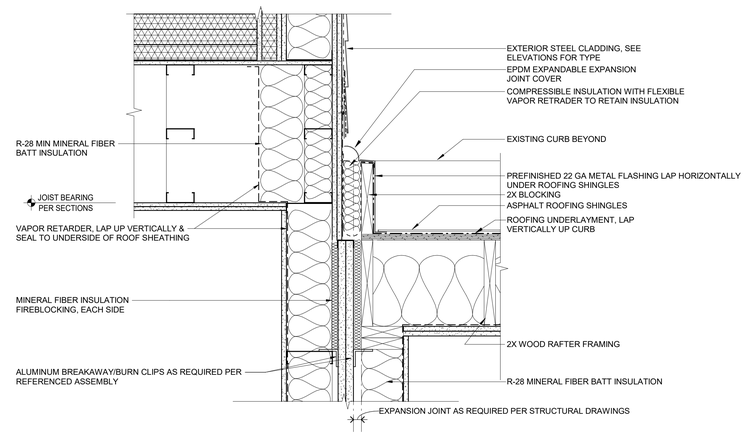
B1 AS-2 PLAN DETAIL - 2 HOUR AREA SEPARATION WALL
3" = 1'-0"



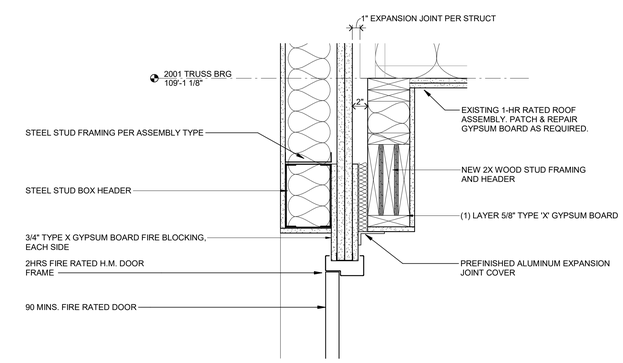
C1 PLAN AT FIREWALL DOOR
3/4" = 1'-0"



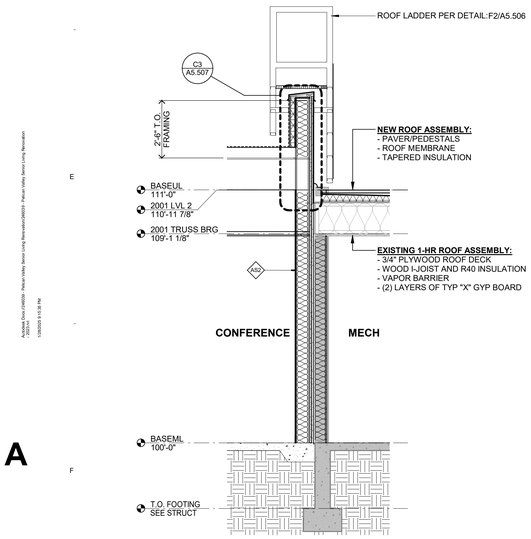
C3 FIREWALL PARAPET
1 1/2" = 1'-0"



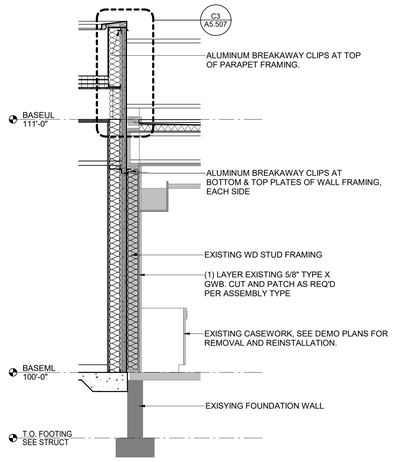
C6 FIREWALL PARAPET AT SLOPED WOOD ROOF
1 1/2" = 1'-0"



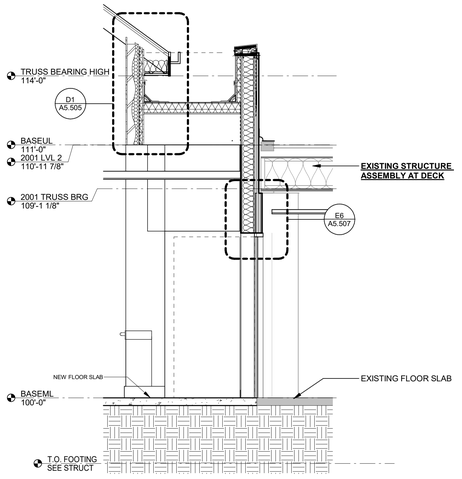
E6 HEAD AT FIREWALL DOOR
1 1/2" = 1'-0"



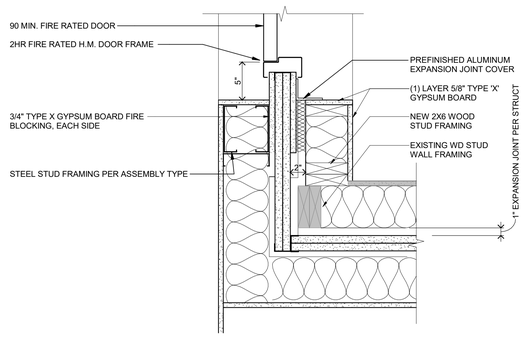
F1 WALL SECTION AT CAFE - FIREWALL1
3/8" = 1'-0"



F2 FIREWALL SECTION
3/8" = 1'-0"



F4 WALL SECTION AT FIREWALL DOOR
3/8" = 1'-0"



F6 JAMB AT FIREWALL DOOR
1 1/2" = 1'-0"

A

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation_22R23.rvt
12/26/2025 9:10:36 PM

Pelican Valley Senior Living Renovation
211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

BKBM Structural & Civil Engineers
MARTIN MECHANICAL DESIGN

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 **01/28/2025**

Revisions

Description	Date	Num

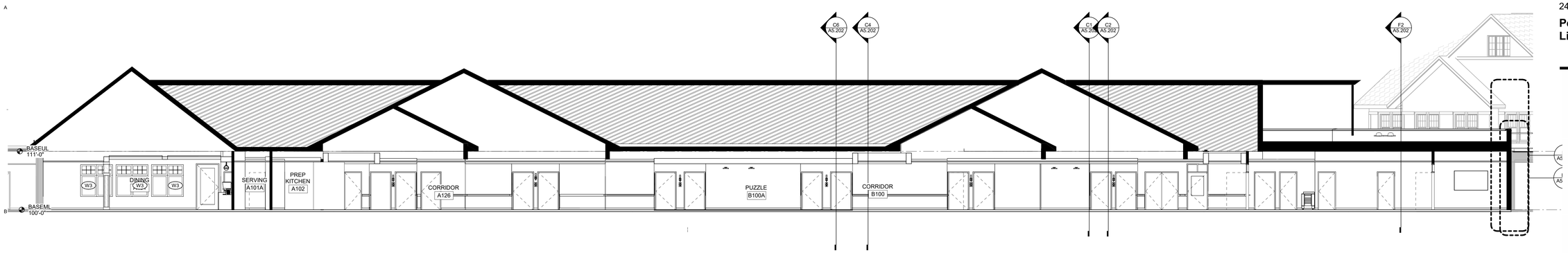
Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**
North

DETAILS - FIREWALL ASSEMBLY, SECTIONS & DETAILS

Scale: **As indicated**

A5.507

MN



B1 BUILDING SECTION 1
1/8" = 1'-0"
0 6' 12'

A

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation_25R23.rvt
1/28/2025 9:10:36 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN

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 **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

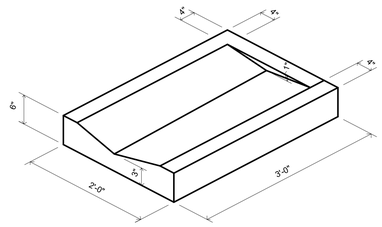
North

BUILDING SECTIONS

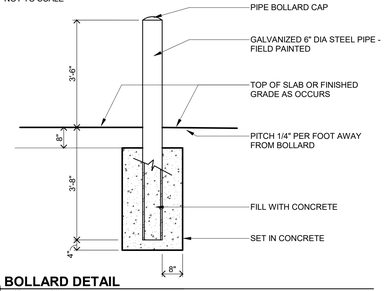
Scale: **1/8" = 1'-0"**

A5.601

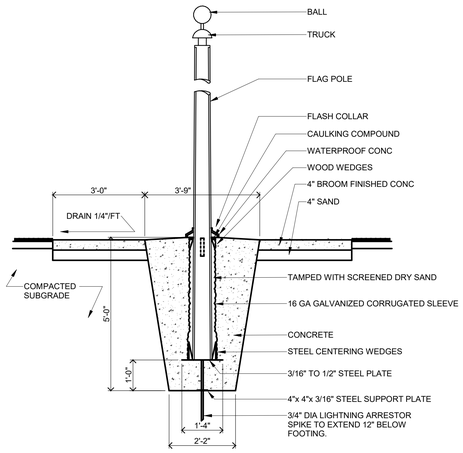
MN



A3 CONCRETE SPLASHBLOCK
NOT TO SCALE

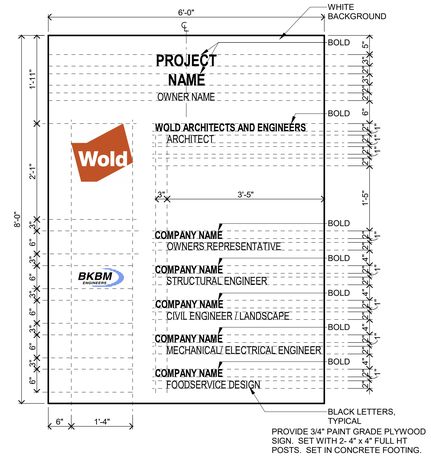


B3 BOLLARD DETAIL
1/2" = 1'-0"
0 1'-6" 3'

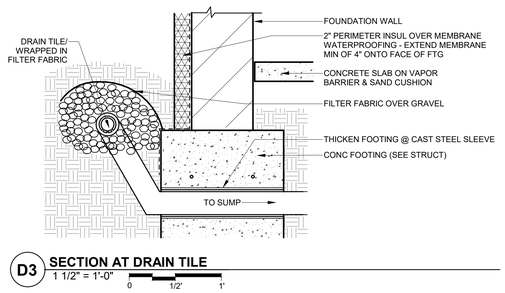


B5 FLAGPOLE DETAIL
NOT TO SCALE

NOTES:
1. ALL LETTERS TO BE ARIAL CONDENSED UNLESS OTHERWISE NOTED.
2. DASHED LINES ARE FOR REFERENCE ONLY.



B7 JOB SIGN
NOT TO SCALE



D3 SECTION AT DRAIN TILE
1 1/2" = 1'-0"
0 1/2' 1'

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation_central.rvt
12/20/2024 9:19:36 PM

A

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN

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 **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

DETAILS - SITE

Scale: **As Indicated**

A6.001

MN

LOBBY B131

CAFE B130

CHAPEL/ ACTIVITY B117

SALON B134

CORRIDOR B100

LOUNGE B107

SPA B101

NURSE A115

DINING A101

A

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 - Pelican Valley Senior Living Renovation_24_CN.rvt
1/28/2025 9:16:46 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

BKBM Structural & Civil Engineers

MARTIN MECHANICAL DESIGN

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 **01/28/2025**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/2025**
Drawn: **CN, JDV**
Check: **GB**

North

RENDERINGS FOR REFERENCE ONLY

Scale:

A7.001

PELICAN VALLEY SENIOR LIVING

PELICAN RAPIDS, MINNESOTA

PROJECT TEAM

PROJECT MANAGER:
TODD OLSON
PHONE: (763)450-2939
EMAIL: TOLSON@BOELTERPREMIER.COM

PROJECT COORDINATOR:
JOHN NORD
PHONE: (763)450-2929
EMAIL: JNORD@BOELTERPREMIER.COM

CAD/REVIT DESIGNER:
BOB MONTOUR
PHONE: (763)557-4017
EMAIL: RMONTOUR@BOELETR.COM

GENERAL NOTES & INFORMATION (AS APPLICABLE)

CONSTRUCTION NOTES

G1 THE DESIGN DRAWINGS SHOWN HEREON INDICATE THE GENERAL ARRANGEMENT AND LOCATIONS OF FOOD/BEVERAGE EQUIPMENT AND ARE REASONABLY EXACT, BUT EXTREME ACCURACY IS NOT GUARANTEED. DRAWINGS ARE FOR ASSISTANCE AND GUIDANCE OF THE CONTRACTOR. EXACT LOCATIONS AND LEVELS WILL BE GOVERNED BY THE BUILDING. SHOULD IT BECOME NECESSARY TO DEVIATE FROM THIS ARRANGEMENT, SUCH DEVIATION SHALL BE MADE WITHOUT EXPENSE TO THE OWNER OR BOELTER, LLC.

G2 ALL WORK, MATERIALS AND EQUIPMENT SHALL BE IN FULL ACCORDANCE WITH THE LATEST CODES, RULES AND REGULATIONS OF THE LOCAL JURISDICTIONAL AUTHORITIES, U.S. PUBLIC HEALTH DEPARTMENT, THE NATIONAL BOARD OF THE FIRE UNDERWRITERS AND ANY AND ALL LOCAL OR STATE ORDINANCES, THE STATE ACCIDENT COMMISSIONS SAFETY ORDERS AND THE REGULATIONS OF THE STATE FIRE MARSHALL; AND WITH ANY PREVAILING RULES AND REGULATIONS PERTAINING TO ADEQUATE PROTECTION AND/OR GUARDING OF ANY MOVING PARTS OR OTHERWISE HAZARDOUS LOCATIONS.

G3 IT SHALL BECOME THE RESPONSIBILITY OF THE OWNER, ARCHITECT, ENGINEERS AND/OR THE GENERAL CONTRACTORS TO ENSURE THAT BOELTER, LLC. RECEIVES COPIES OF ALL ADDENDUMS AND CHANGES TO THE BUILDING'S PLANS PRIOR TO AND DURING CONSTRUCTION. BOELTER, LLC. WILL NOT ASSUME ANY COSTS OR BACK CHARGES FROM OWNER AND/OR ANY TRADE BY FAILURE TO TRANSFER SAID INFORMATION.

G4 IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY BOELTER, LLC. A MINIMUM OF FIVE (5) WORKING DAYS BEFORE CONCRETE POUR FOR FIELD CHECK OF UTILITIES, I.E., FLOOR SINKS, WATER AND ELECTRICAL STUB-UP AND PVC CONDUITS.

G5 PRIOR TO INSTALLATION OF KITCHEN EQUIPMENT, THE GENERAL CONTRACTOR SHOULD HAVE CLEAR ACCESS TO THE KITCHEN OR BAR AREA, WITH ALL WALLS AND FLOORS COMPLETED WITH FINISHED MATERIAL. IF THERE ARE ANY DELIVERY PROBLEMS WITH THE PARKING LOT, DRIVEWAY, RECEIVING DEPARTMENT OR ANY SPECIAL OPENING IN WALLS OR WINDOWS, COORDINATE WITH BOELTER, LLC.

G6 ALL HORIZONTAL/VERTICAL DIMENSIONS ARE FROM FACE OF FINISHED WALL/FLOOR TO CENTERLINE OF ROUGH-IN OR FROM CENTERLINE OF ROUGH-IN TO CENTERLINE OF ROUGH-IN UNLESS OTHERWISE NOTED. ALL SYMBOLS FOR OUTLETS ON WALL ARE INDICATED AT A SPECIFIED HEIGHT. HEIGHT OF ROUGH-IN IS GIVEN FROM FINISHED FLOOR (NOT TOP OF FINISHED CURB) TO CENTERLINE OF ROUGH-IN.

G7 LAST DATED REVISION VOIDS AND SUPERSEDES ANY AND ALL PREVIOUS DRAWINGS WITH THE SAME SHEET NUMBER. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO RECOVER AND DISPOSE OF ALL PREVIOUSLY ISSUED PLANS FROM ALL SUBCONTRACTORS.

G8 ALL BIDDERS SHALL FULLY INSPECT THE SITE AND EXISTING CONDITIONS INCLUDING ALL UTILITY SERVICES AND EXISTING ELECTRICAL WIRING AND PLUMBING PRIOR TO SUBMISSION OF BID.

G9 ALL BIDDERS SHALL VERIFY ALL DIMENSIONS, REQUIREMENTS, ETC., BEFORE ANY WORK BEGINS AND NOTE ANY DISCREPANCIES IN WRITING TO BOELTER, LLC. PROCEEDING WITH THE WORK SHALL CONSTITUTE ACCEPTANCE BY THE BIDDER THAT DIMENSIONS AND CONDITIONS ARE CORRECT AND THE BIDDER SHALL ASSUME FULL RESPONSIBILITY OF THE SAME.

G10 ALL CONTRACTORS TO COORDINATE ALL WORK TO ALLOW ACCESSIBILITY AND USABILITY BY OTHERS.

G11 DURING CONSTRUCTION, EACH TRADE SHALL BE RESPONSIBLE FOR REPAIRING OR PAYING FOR THE COST OF ANY DAMAGE CAUSED BY THEIR WORK.

G12 WHERE LOCAL CODES OR CONDITIONS CAUSE RELOCATION OF THE COMPRESSORS TO BE OTHER THAN DESIGNATED ON THE PLAN, PLEASE CONTACT BOELTER, LLC. AT ONCE FOR AN ALTERNATE LOCATION.

G13 GENERAL CONTRACTOR IS TO PROVIDE A FINISHED RECESS IN FLOOR FOR DRAIN TROUGH'S AS REQUIRED. SEE PLAN AND DETAIL.

G14 GENERAL CONTRACTOR IS TO PROVIDE AN OPENING IN WALL WHERE INDICATED FOR VENTILATOR CONTROL PANEL(S) IF REQUIRED. MINIMUM WALL THICKNESS OF 8" THICK REQUIRED FOR FULL RECESS OF PANEL AND CONDUITS. VERIFY WITH SHOP DRAWINGS FOR SIZES AND MOUNTING REQUIREMENTS.

G15 GENERAL CONTRACTOR IS TO UNCRATE AND MOUNT VENTILATOR CONTROL CABINET(S) IN WALL.

G16 GENERAL CONTRACTOR IS TO PROVIDE CURBS AND SUPPORTS ON ROOF FOR EXHAUST AND MAKE-UP AIR UNITS AND REFRIGERATION EQUIPMENT AS REQUIRED. PROVIDE ALL ROOF, CEILING, WALL AND FLOOR PENETRATIONS AND PROVIDE FOR UTILITY ACCESS IF REQUIRED FOR COMPLETE SYSTEMS INSTALLATIONS. AFTER INSTALLATION, SEAL ALL ROOF, CEILING, WALL AND FLOOR PENETRATIONS IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODES. PROVIDE ALL DUCT FIRE SEPARATIONS, ENCLOSURES, WRAPPINGS, CLEANOUTS, ETC., IN ACCORDANCE WITH ALL APPLICABLE BUILDING AND FIRE CODES.

G17 GENERAL CONTRACTOR IS TO PROVIDE TO BOELTER, LLC. ALL MECHANICAL, ELECTRICAL AND ANY SPECIAL INSTALLATION REQUIREMENTS OF ALL OWNER SUPPLIED AND/OR EXISTING FOOD/BEVERAGE EQUIPMENT COVERED BY/OR INCLUDED IN THE DESIGN DRAWINGS.

G18 ALL KITCHEN AND BAR EQUIPMENT SHALL BE FURNISHED (UNLESS NOTED OTHERWISE) AND INSTALLED BY THE KITCHEN CONTRACTOR WITH PLUMBING, ELECTRICAL AND HVAC ROUGH-INS AND FINAL HOOK-UP BY THE APPROPRIATE TRADES. THE MILLWORK CONTRACTOR SHALL VERIFY ALL DIMENSIONS OF KITCHEN AND BAR EQUIPMENT THAT IS TO BE HOUSED WITHIN THE MILLWORK FIXTURE WHICH IS WITHIN THE SCOPE OF THEIR CONTRACT.

G19 ALL EXPOSED BASES TO BE FINISHED SAME AS FINISH FLOOR UNLESS OTHERWISE INDICATED, IF APPLICABLE. VERIFY FACE AND TOP FINISHED (WHERE BASES ARE EXPOSED) WITH ARCHITECT, GENERAL CONTRACTOR AND OWNER.

G20 WHERE NOISE OR VIBRATION PRODUCING EQUIPMENT IS LOCATED ADJACENT TO DINING AREAS, PROVISIONS SHOULD BE MADE TO "DOUBLE STUD" AND/OR SOUND PROOF COMMON WALL BY GENERAL CONTRACTOR.

G21 ALL WORK SHALL BE ERECTED SQUARE, PLUMB, LEVEL AND TRUE TO A LINE. WHERE NECESSARY MILLWORK SHALL BE SCRIBED TO FLOOR, WALL AND CEILINGS FOR A FINISHED INSTALLATION.

G22 GENERAL CONTRACTOR IS TO PROVIDE AND INSTALL THE FOLLOWING ITEMS "A" THRU "G" SHOWN ON THESE PLANS.

A. IF METAL STUDS ARE USED FOR WALL CONSTRUCTION, REFER TO "GENERAL CONSTRUCTION" SHEET(S) FOR TYPE AND LOCATION(S) OF WALL BACKING.

B. OPENINGS OR RECESSES IN FLOORS AND WALLS FOR INSTALLATION OF DRAINS, TROUGHS, CONTROL PANELS, ETC. REFER TO PLANS FOR LOCATION, SIZES AND DETAILS OF REQUIRED OPENINGS.

C. OPENINGS THRU FINISHED CEILING IF/AS REQUIRED AND THRU ROOF FOR CONNECTION OF KITCHEN EQUIPMENT TO ROOFTOP EQUIPMENT. THIS WORK SHALL INCLUDE BUT NOT BE LIMITED TO STRUCTURAL SUPPORTS IF/AS REQUIRED, LEVELED AND SQUARED CURBS AND FLASHING AGAINST LEAKS. VERIFY SIZES AND WEIGHTS OF ROOFTOP EQUIPMENT WITH MANUFACTURER'S SHOP DRAWINGS.

D. ALL ENCLOSURE PANELS FROM TOP OF WALK-IN COOLER(S)/FREEZER(S) AND EXHAUST VENTILATOR(S) TO FINISHED CEILING.

E. A TRANSIT LEVELED FINISHED FLOOR WITH INTEGRAL INSULATION FOR WALK-IN COOLER(S)/FREEZER(S) WHICH ARE DESIGNED TO SET UPON A FINISHED FLOOR.

F. A TRANSIT LEVELED AND TROWELED SMOOTH RECESSED FLOOR FOR WALK-IN COOLER(S)/FREEZER(S) WITH INTEGRAL FLOORS AND NO RAMPS. REFER TO PLANS FOR LOCATION(S) AND DETAILS.

G. WHERE REQUIRED BY LOCAL CODES, SPRINKLER HEADS IN WALK-IN COOLER(S)/ FREEZER(S) WILL BE PROTECTED FROM FREEZING.

G23 GENERAL CONTRACTOR IS TO CLEAR ALL EQUIPMENT OF ANY DEBRIS, DUST AND LITTER GENERATED BY THEIR SUB-CONTRACTORS.

G24 ALL DIMENSIONS LABELED "HOLD" OR "CRITICAL" MUST BE MAINTAINED TO THAT SPECIFIC FINISHED DIMENSION. ALL CORNERS MUST BE MAINTAINED AT TRUE 90 DEGREES OR AS SPECIFIED TO ACCEPT EQUIPMENT. ANY TRIM OR MODIFICATION NECESSARY TO MAKE EQUIPMENT FIT DUE TO NON-ADHERENCE TO SPECIFIED DIMENSION IS TO BE FURNISHED AND INSTALLED BY GENERAL CONTRACTOR AT THEIR EXPENSE.

G25 GENERAL CONTRACTOR IS TO PROVIDE APPROVED PLYWOOD OR STEEL BACKING BEHIND ALL WALL SHELVES, HAND SINKS, GLASS RACK SHELVES, HOSE/PRE-RINSES AND TABLE CANTILEVERS. SEE PLANS FOR ADDITIONAL BACKING AND LOCATIONS.

G26 GENERAL CONTRACTOR TO PROVIDE STRUCTURAL SUPPORT TO HANG VENTILATOR HOODS, BAR SOFFITS AND OTHER CEILING SUPPORTED EQUIPMENT.

G27 GENERAL CONTRACTOR TO PROVIDE AND INSTALL ALL PVC (OR EMT PER CODE) SLEEVE CHASES FOR REMOTE REFRIGERATION LINES AND/OR BEVERAGE LINES AS INDICATED IN THESE PLANS. PROVIDE ALL STRUCTURAL PENETRATIONS REQUIRED FOR COMPLETE INSTALLATION(S). SEAL ALL STRUCTURAL PENETRATIONS AFTER INSTALLATION(S) AS REQUIRED, INCLUDING ANY REQUIRED FIRE CAULKING AND/OR FIRE COLLARS. ANGLE OF SLEEVE ELBOW SHALL NOT BE MORE ACUTE THAN 60 DEGREES.

G28 GENERAL CONTRACTOR OR THEIR SUBCONTRACTOR MUST TAKE CARE WITH MURIATIC ACID & ITS FUMES AROUND WALK-IN COOLERS OR OTHER ALUMINUM EQUIPMENT - PROP DOORS OPEN UNTIL ACID IS DRY. ANY DAMAGE OR DISCOLORATION CAUSED BY THIS WORK WILL RESULT IN REPLACEMENT OF EQUIPMENT AT YOUR EXPENSE.

PLUMBING EQUIPMENT NOTES

P1 THE WORK PERFORMED UNDER THE PLUMBING CONTRACT SHALL BE IN FULL ACCORDANCE WITH THE LATEST CODES, RULES AND REGULATIONS OF THE LOCAL AND/OR STATE ORDINANCES, HEALTH DEPARTMENT, FIRE MARSHALL OR ANY JURISDICTIONAL AUTHORITY.

P2 ALL PLUMBING ROUGH-INS AND CONNECTIONS SHOWN ON THIS PLAN ARE FOR FIXTURES AND EQUIPMENT SHOWN ON BOELTER, LLC. PLANS ONLY. PLUMBING CONTRACTOR ALSO TO PROVIDE ANY ADDITIONAL FLOOR DRAINS AND BUILDING PLUMBING REQUIREMENTS. SEE ARCHITECT, MECHANICAL ENGINEERING PLANS, GENERAL CONTRACTOR OR OWNER.

P3 ALL HORIZONTAL DIMENSIONS SHOWN ARE CUMULATIVE FROM FINISHED FACE OR WALLS OR COLUMN GRID CENTERS OR FROM CENTERLINE OF ROUGH-IN TO CENTERLINE OF ROUGH-IN UNLESS OTHERWISE NOTED ON PLANS AND DETAILS.

P4 ALL VERTICAL DIMENSIONS ARE FROM FINISHED FLOOR TO CENTERLINE OF ROUGH-IN.

P5 ALL "STUB-UP" INDICATED TO STUB-UP A MAXIMUM OF 5" ABOVE FINISHED BASE OR FLOOR BUT NOT TO INTERFERE WITH THE INSTALLATION OF FIXTURES.

P6 ALL FLOOR SINKS INDICATED HALF-IN AND HALF-OUT OF BASE TO BE FLUSH WITH FINISHED FLOOR. ALL FULLY OR PARTIALLY EXPOSED FLOOR SINKS TO BE PROVIDED WITH COVERS BY PLUMBING CONTRACTOR. IN THE EVENT LOCAL CODES REQUIRE FLOOR SINKS TO BE ABOVE OR BELOW FINISHED FLOOR LEVEL, PLUMBER SHALL COMPLY WITH LOCAL CODES AND NOTIFY BOELTER, LLC. IMMEDIATELY OF SUCH REQUIREMENTS.

P7 PLUMBER TO MAKE ALL EXTERNAL AND INTERNAL CONNECTIONS AND PROVIDE ALL PIPINGS, FITTINGS, VALVES & PARTS, PRESSURE REGULATORS, ETC., NECESSARY TO MAKE EQUIPMENT FUNCTIONAL.

P8 PLUMBER TO PROVIDE GATE VALVES ON ALL WATER AND GAS LINES AND WADE SHOCKSTOPS (NO. WS OR EQUAL) ON GLASS FILLERS.

P9 PLUMBER TO PROVIDE FAUCETS AND DRAINS FOR JANITOR SINKS AND RESTROOM SINKS UNLESS SPECIFIED TO THE CONTRARY. CONTRACTOR SHALL SUPPLY TAIL PIECES, TRAPS, AND SINK DRAIN FITTINGS FOR KITCHEN EQUIPMENT UNLESS OTHERWISE SPECIFIED. FAUCETS AND LEVER DRAINS FOR KITCHEN EQUIPMENT FURNISHED BY BOELTER, LLC. AND INSTALL BY PLUMBER UNLESS OTHERWISE SPECIFIED.

P10 PLUMBER TO PROVIDE ALL DRAIN LINES FOR SINKS, DISHWASHER, REFRIGERATION CONDENSATION, WALK IN COOLERS/FREEZERS AND DIRECT & INDIRECT WASTE. DRAIN LINES TO BE NO SMALLER THAN STUB-OUT OF FIXTURE ITSELF AND TO BE RUN IN SUCH A MANNER AS TO NOT INTERFERE WITH EQUIPMENT.

P11 PLUMBING CONTRACTOR TO FURNISH AND/OR INSTALL PIPING AND FITTINGS, INCLUDING ALL NECESSARY SHUT-OFF VALVES, GATE VALVES, SHOCK ARRESTORS, TRAPS, TAIL PIECES, WATER LINE STRAINERS, GAS VALVES, PRESSURE REGULATORS FOR EQUIPMENT AND ETC.

P12 WATER PROVIDED TO COFFEE AND ICE MAKING EQUIPMENT MUST NOT FEED OFF WATER SOFTENERS UNLESS OTHERWISE NOTED. -SEE WATER QUALITY NOTES REGARDING STEAMERS.

P13 PLUMBING CONTRACTOR TO PROVIDE AND INSTALL AUTOMATIC GAS SHUT-OFF VALVE TO ALL COOKING EQUIPMENT. VALVE INSTALLATION TO BE COORDINATED BY PLUMBER & ELECTRICIAN WITH FIRE PROTECTION AGENCY.

P14 PLUMBING CONTRACTOR TO VERIFY MECHANICAL REQUIREMENTS FOR EXISTING EQUIPMENT AND EQUIPMENT SUPPLIED BY OTHERS OR OWNER.

P15 NOT USED

P16 PLUMBING CONTRACTOR IS TO INSTALL QUICK DISCONNECTS AND SAFETY RESTRAINING DEVICES. BOELTER, LLC. TO PROVIDE GAS QUICK DISCONNECT HOSES FOR MOBILE COOKING EQUIPMENT, UNLESS OTHERWISE NOTED.

P17 IF LOCATIONS OF PIPING, ETC. CAN NOT BE LOCATED AS PER PLANS BECAUSE OF BUILDING STRUCTURE, ETC., PLEASE NOTIFY BOELTER, LLC. AT ONCE FOR CLARIFICATION.

P18 VERIFY ALL LOCAL HEALTH AND PLUMBING CODES IF WASTES SHOULD BE DIRECT OR INDIRECT.

P19 STEAM PRESSURE, IF REQUIRED, SHOWN ON ALL DRAWINGS IS FOR MINIMUM AT EQUIPMENT, NOT AT BOILER. PLUMBING CONTRACTOR TO DETERMINE PRESSURE DROPS IN LINE AS REQUIRED TO MAKE EQUIPMENT FUNCTION PROPERLY

P20 PLUMBING CONTRACTOR TO PROVIDE AND INSTALL PRESSURE REGULATORS FOR STEAM LINES, IF REQUIRED

P21 PLUMBING CONTRACTOR TO VERIFY WITH LOCAL CODES IF CLEAN WATER WASTES ARE REQUIRED TO BE RUN TO STORM SEWERS.

P22 PLUMBING CONTRACTOR TO SUPPLY GAS REGULATORS TO REGULATE GAS PRESSURE TO 6" WATER COLUMN PRESSURE FOR ALL COOKING EQUIPMENT UNLESS OTHERWISE SPECIFIED.

P23 ALL PIPING TO BE CONCEALED WITHIN WALL STUBBED OUT AT POINT OF CONNECTION.

P24 WATER CONSUMPTION FOR WATER-COOLED COMPRESSOR IS APPROXIMATELY 1.5 GPH PER 12,000 BTU'S FOR 1 TON.

P25 ALL STUB-OUTS TO BE PROPERLY SEALED TO PREVENT VERMIN INFESTATION.

P26 ALL PIPING UNDER EQUIPMENT TO BE FASTENED TO BOTTOM STRUCTURE OF EQUIPMENT TO MAXIMIZE CLEARANCE FOR CLEANING.

P27 PLUMBING CONTRACTOR TO LIGHT ALL PILOT LIGHTS ON ALL FOOD SERVICE EQUIPMENT PRIOR TO CALIBRATION AND TESTING OF EQUIPMENT BY SERVICE AGENCY.

P28 PLUMBING CONTRACTOR TO SUPPLY & INSTALL ALL MIXING VALVES FOR HAND SINKS & HOSE REELS.

VENTILATION EQUIPMENT NOTES

V1 OTHER PROVISIONS ARE MADE AND/OR INDICATED ON PLAN, GENERAL AND/OR HVAC CONTRACTOR TO PROVIDE TEMPERED MAKE-UP AIR FOR EXHAUST HOODS IN ACCORDANCE WITH REQUIREMENTS INDICATED ON BOELTER, LLC'S FOODSERVICE AND/OR MECHANICAL ENGINEER'S DRAWINGS.

V2 HVAC CONTRACTOR TO PROVIDE MAKE-UP AIR SYSTEM AND HAVE SUFFICIENT CAPACITY TO MAKE UP 100% OF THE AIR BEING EXHAUSTED AND SHALL BE BALANCED TO MAKE UP 80-90% OF THAT AIR.

V3 MAKE-UP AIR SHALL BE DELIVERED IN THE PROXIMITY OF THE EXHAUST SYSTEM IN A MANNER AS NOT TO CREATE UNDUE AIR TURBULENCE IN THE WORK AREA UNLESS OTHERWISE INDICATED.

V4 MAKE-UP AIR SYSTEM SHALL BE CAPABLE OF DELIVERING AIR AT 70 DEGREES F., UNLESS OTHERWISE INDICATED.

V5 GENERAL CONTRACTOR TO CUT OR PROVIDE HOLES THROUGH CEILING, ROOF AND WALL FOR DUCTS, ETC. IN ACCORDANCE WITH LOCAL FIRE AND BUILDING CODES AND IN ACCORDANCE WITH DUCT SIZES SPECIFIED BY BOELTER, LLC.'S FOODSERVICE OR MECHANICAL ENGINEER'S DRAWINGS. GENERAL CONTRACTOR IS ALSO TO PROVIDE ALL DUCT FIRE SEPARATIONS, ENCLOSURES, WRAPPINGS, ETC. AS MAY BE REQUIRED BY LOCAL BUILDING AND FIRE CODES.

V6 IN THE EVENT A COMPRESSOR ROOM IS NECESSARY, THERE SHALL BE PROVIDED TO THE ROOM, 1200 CFM OF AIR PER EVERY 1 HP OF COMPRESSOR (FOR REMOTE CONDENSER INSTALLATIONS, 400 CFM/HP) TO BE INTRODUCED TO THE COMPRESSOR ROOM AND BLOWN DOWN ACROSS THE FACE OF THE COMPRESSORS WITH PROPER GRILLS IN WALLS AND/OR DOOR TO EXHAUST SAME AMOUNT OF AIR FOR AIR COOLED COMPRESSORS ONLY. IF COMPRESSOR ROOM WILL EXCEED 100 DEGREES F. AT ANY TIME, THE AIR INTRODUCED IN MUST BE COOLED.

V7 HVAC CONTRACTOR TO VERIFY ALL HOOD EXHAUST REQUIREMENTS & DUCT SIZES WITH MECHANICAL ENGINEER'S DRAWINGS AND SPECIFICATIONS. CONTACT MECHANICAL ENGINEER(S) WITH CONFLICTING INFORMATION FOR RESOLUTION.

V8 HVAC CONTRACTOR IS TO PROVIDE DUCT WORK, FANS, VOLUME DAMPERS, BACKDRAFT DAMPERS FOR VENTILATORS AND DISHWASHER EXHAUST, CONNECT AT 6" ABOVE FINISHED CEILING UNLESS OTHERWISE INDICATED. FINAL CONNECTIONS BY HVAC CONTRACTOR.

V9 GENERAL CONTRACTOR TO PROVIDE SPRINKLERS IN ALL DUCT WORK AS REQUIRED BY LOCAL CODES. ANY FLOW VALVES OR TAMPER VALVES REQUIRED BY CODE FOR DUCT SPRINKLING TO BE PROVIDED BY SPRINKLER CONTRACTOR.

V10 ALL EXHAUST HOODS & STAINLESS STEEL WALL PANELS, UNLESS NOTED OTHERWISE, ARE SUPPLIED BY BOELTER, LLC. AND INSTALLED BY THE GENERAL CONTRACTOR.

V11 ALL CONTROLS FOR FANS AND MAKE-UP AIR BY HVAC CONTRACTOR UNLESS NOTED OTHERWISE.

ELECTRICAL EQUIPMENT NOTES

E1 THE WORK PERFORMED UNDER THE ELECTRICAL CONTRACT SHALL BE IN FULL ACCORDANCE WITH THE LATEST CODES, RULES AND REGULATIONS OF THE LOCAL AND/OR STATE ORDINANCES, HEALTH DEPARTMENT, FIRE MARSHALL OR ANY JURISDICTIONAL AUTHORITY.

E2 ELECTRICAL OUTLETS AND CONNECTIONS SHOWN ON THIS PLAN ARE FOR FIXTURES AND EQUIPMENT SHOWN ON BOELTER, LLC.'S PLANS ONLY. SEE ARCHITECT'S AND ELECTRICAL ENGINEER'S PLANS FOR OTHER BUILDING ELECTRICAL REQUIREMENTS.

E3 ALL HORIZONTAL DIMENSIONS SHOWN ARE CUMULATIVE FROM FINISHED FACE OF WALLS OR FROM CENTERLINE OF ELECTRICAL BOX TO CENTERLINE OF ELECTRICAL BOX.

E4 ALL VERTICAL DIMENSIONS ARE FROM FINISHED FLOOR TO CENTERLINE OF ELECTRICAL BOX.

E5 ALL "STUB-UP" INDICATED, TO STUB-UP A MAXIMUM OF 5" ABOVE FINISHED FLOOR OR CONCRETE BASE BUT NOT TO INTERFERE WITH THE INSTALLATION OF FIXTURES.

E5 THE SYMBOLS ON THE ELECTRICAL PLAN ARE TO INDICATE THE LOCATION AND TYPE OF CONNECTION ONLY. ELECTRICAL CONTRACTOR TO PROVIDE CIRCUITS AND CONDUIT RUNS AS REQUIRED. PLANS ARE PROVIDED FOR THE SOLE PURPOSE OF INDICATING THE LOCATIONS OF ROUGH-IN AND TYPE OF CONNECTION FOR EQUIPMENT AND ELECTRICAL LOAD. SUB-CONTRACTORS MUST COMPLY WITH ALL CODES RELATED TO THE INSTALLATION, WIRING AND HOOK-UP OF EQUIPMENT. WHERE SYMBOLS ARE INDICATED FOR A SOLID CONNECTION, A 6'-0" SECTION OF SEALTIGHT FLEX CONDUIT SHOULD BE STUBBED OUT AT THE PROPER LOCATIONS AND SHALL BE CONNECTED TO "J" BOXES LOCATED IN A CONVENIENT POSITION. IF LOCAL CODES DO NOT PERMIT THIS METHOD, PLEASE CONTACT DESIGNER OR EQUIPMENT CONTRACTOR.

E7 ELECTRICAL CONTRACTOR TO PROVIDE CAPS AND CORDS FOR ALL ITEMS THAT ARE NOT STANDARD WITH MANUFACTURER, AND SHORTEN ANY CORDS AS REQUIRED, I.E., FRYERS, TOASTER, BUN WARMERS, WARMING CABINETS, ETC. REFER TO KITCHEN EQUIPMENT CONTRACTOR SPECIFICATION BOOK AND DRAWING SCHEDULE FOR EQUIPMENT REQUIREMENTS.

E8 MOTOR(S) SUPPLIER TO PROVIDE THERMAL OVERLOAD PROTECTION AND MAGNETIC STARTERS. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL REQUIRED DISCONNECTS FOR ALL MOTORS. ALL SYSTEMS ELECTRICAL HOOK-UP BY ELECTRICAL CONTRACTOR.

E9 ELECTRICAL CONTRACTOR TO CONNECT ALL ELECTRICAL EQUIPMENT AND FIXTURES AND DO ANY INTERNAL WIRING OF FIXTURES AT FIELD JOINTS . REFER TO KITCHEN EQUIPMENT CONTRACTOR SHOP DRAWINGS & SPECIFICATION BOOK FOR DRAWING SCHEDULE AND EQUIPMENT REQUIREMENTS.

E10 ELECTRICAL CONTRACTOR TO SIZE ALL ELECTRICAL JUNCTION BOXES, REFRIGERATION PULL BOXES, CONDUIT AND ELECTRICAL CONVENIENCE OUTLETS LOCATED IN WALL. FIXTURE FABRICATOR TO LOCATE ALL CONVENIENCE OUTLETS AND SWITCHES WHEN THEY ARE PART OF FIXTURE. BUT INTERNAL WIRING FOR SUCH BOXES TO BE INSTALLED AND SUPPLIED BY ELECTRICAL CONTRACTOR. WHEREVER ACCESS IS NOT AVAILABLE FOR THE ELECTRICAL FIXTURE, FABRICATOR IS TO INSTALL SUITABLE CONDUIT FOR THE RUNNING OF SUCH LINES. ELECTRICAL CONTRACTOR TO PROVIDE AND FIELD MOUNT ALL JUNCTION BOXES LOCATED IN ACCESS AREAS OF FIXTURES.

E11 ELECTRICAL CONTRACTOR TO PROVIDE POWER AT COMPRESSOR AREAS FOR COMPRESSORS AS LISTED ON KITCHEN EQUIPMENT SCHEDULE AND REFRIGERATION PLAN. IF AUTOMATIC DEFROST SYSTEMS ARE USED FOR WALK-IN COOLER(S)/FREEZER(S), PROVIDE 4-WIRE SERVICE FROM COMPRESSOR(S) TO UNIT. IF COMPRESSOR(S) ARE LOCATED OUTSIDE, ALL ELECTRICAL SHALL BE WEATHER PROOF. ELECTRICIAN TO PROVIDE CONTROL WIRING FOR SOLENOIDS AT COILS. ALL REFRIGERATION ELECTRICAL HOOK-UPS BY ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED.

E12 ELECTRICAL CONTRACTOR TO PROVIDE POWER ON ROOF (WEATHER PROOF) AND CONNECT EXHAUST FANS AND MAKE-UP AIR FANS AND LOCATE SWITCHES WITH RED PILOT LIGHT WHERE SHOWN ON ELECTRICAL PLAN OR AS DIRECTED BY VENTILATION CONTRACTOR. ALL EXHAUST FANS AND MAKE-UP AIR FAN(S) FOR ANY ONE HOOD TO BE SIMULTANEOUSLY TURNED ON UNLESS OTHERWISE INDICATED.

E13 ELECTRICAL CONTRACTOR TO WIRE EXHAUST AND MAKE-UP FANS TO BREAKER UNLESS OTHERWISE SPECIFIED.

E14 ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL SWITCHES FOR HOOD LIGHTS AND PROVIDE LIGHT BULBS AS REQUIRED.

E15 ELECTRICAL CONTRACTOR TO SUPPLY LIGHT BULBS FOR ANY EQUIPMENT AS REQUIRED.

E16 ELECTRICAL CONTRACTOR TO CONNECT LIGHTS, BLOWER COILS, DOOR HEATERS FOR WALK-IN COOLER(S)/FREEZER(S) AND PROVIDE LIGHT BULBS FOR LIGHTING FIXTURES. MOUNT LIGHT FIXTURES WHERE REQUIRED. NO WALK-IN INTERIOR CONDUIT RUNS ARE ALLOWED.

E17 ELECTRICAL CONTRACTOR TO PROVIDE STAINLESS STEEL COVER PLATES FOR ANY FULLY OR PARTIALLY EXPOSED PULL BOXES AND/OR ELECTRICAL ACCESS BOXES AND TO PROVIDE STAINLESS STEEL COVER PLATES FOR ALL CONVENIENCE OUTLETS.

E18 ELECTRICAL CONTRACTOR TO PROVIDE A SEPARATE CIRCUIT(S) WITH ISOLATED GROUND(S) FOR CASH REGISTER(S) AND/OR PRE-CHECK SYSTEM(S), PROVIDE SEPARATE OPEN CONDUIT AND JUNCTION BOXES FOR DATA LINES FOR ABOVE SYSTEM(S). PROVIDE A SEPARATE ELECTRICAL PANEL IF REQUIRED. VERIFY ALL SYSTEM REQUIREMENTS WITH OWNER AND/OR SYSTEMS SUPPLIER.

E19 ELECTRICAL CONTRACTOR TO VERIFY ELECTRICAL REQUIREMENTS WITH EXISTING EQUIPMENT AND EQUIPMENT SUPPLIED BY OTHERS AND/OR OWNER.

E20 ELECTRICAL CONTRACTOR TO WIRE MAIN GAS SHUT-OFF VALVE TO FIRE PROTECTION SYSTEM (IN-HOUSE OR REMOTE LOCATION), VENTILATOR EXHAUST AND MAKE-UP AIR FANS TO SHUT OFF GAS IN CASE OF FIRE. VERIFY WITH LOCAL FIRE CODES HAVING JURISDICTION. COORDINATE WITH PLUMBING CONTRACTOR & FIRE PROTECTION CONTRACTOR.

E21 ELECTRICAL CONTRACTOR TO WIRE LIMIT SWITCH TO DISHWASHER CONVEYOR DRIVE IF REQUIRED.

E22 ELECTRICAL CONTRACTOR TO SUPPLY CONTACTOR OR LOW VOLTAGE SHUT-OFF FOR ELECTRICAL COOKING EQUIPMENT. INTER-WIRE WITH FIRE PROTECTION SYSTEM AND/OR REMOTE MONITORING SYSTEM TO SHUT OFF ELECTRIC COOKING EQUIPMENT IN CASE OF FIRE. VERIFY WITH LOCAL FIRE CODES.

E23 ELECTRICAL CONTRACTOR TO MAKE ALL FINAL CONNECTIONS TO EQUIPMENT AFTER EQUIPMENT IS IN PLACE.

E24 ANY ACCESS COVER REMOVED FOR PURPOSES OF MAKING INTERNAL FIELD JOINT ELECTRICAL CONNECTIONS MUST BE REPLACED WITH ALL FASTENERS INTACT.

E25 ELECTRICAL CONTRACTOR TO MOUNT SOLENOID(S) FOR REMOTE REFRIGERATED TABLES AS REQUIRED. SOLENOID(S) ARE SHIPPED LOOSE WITH EQUIPMENT. ELECTRICAL HOOK-UP BY ELECTRICAL CONTRACTOR.

E26 ELECTRICAL CONTRACTOR TO FIELD MOUNT SUPPLIED EQUIPMENT SWITCHES OR CONTROL PANELS AS REQUIRED. SEE KITCHEN EQUIPMENT CONTRACTOR SPECIFICATION BOOK AND DRAWING SCHEDULE FOR EQUIPMENT REQUIREMENTS.

E27 ELECTRICAL CONTRACTOR TO SUPPLY "MUD RING" EXTENSIONS ON ELECTRICAL BOXES AS REQUIRED THRU STAINLESS STEEL WALL PANELS UNDER EXHAUST HOODS AND EQUIPMENT BACKSPLASHES.

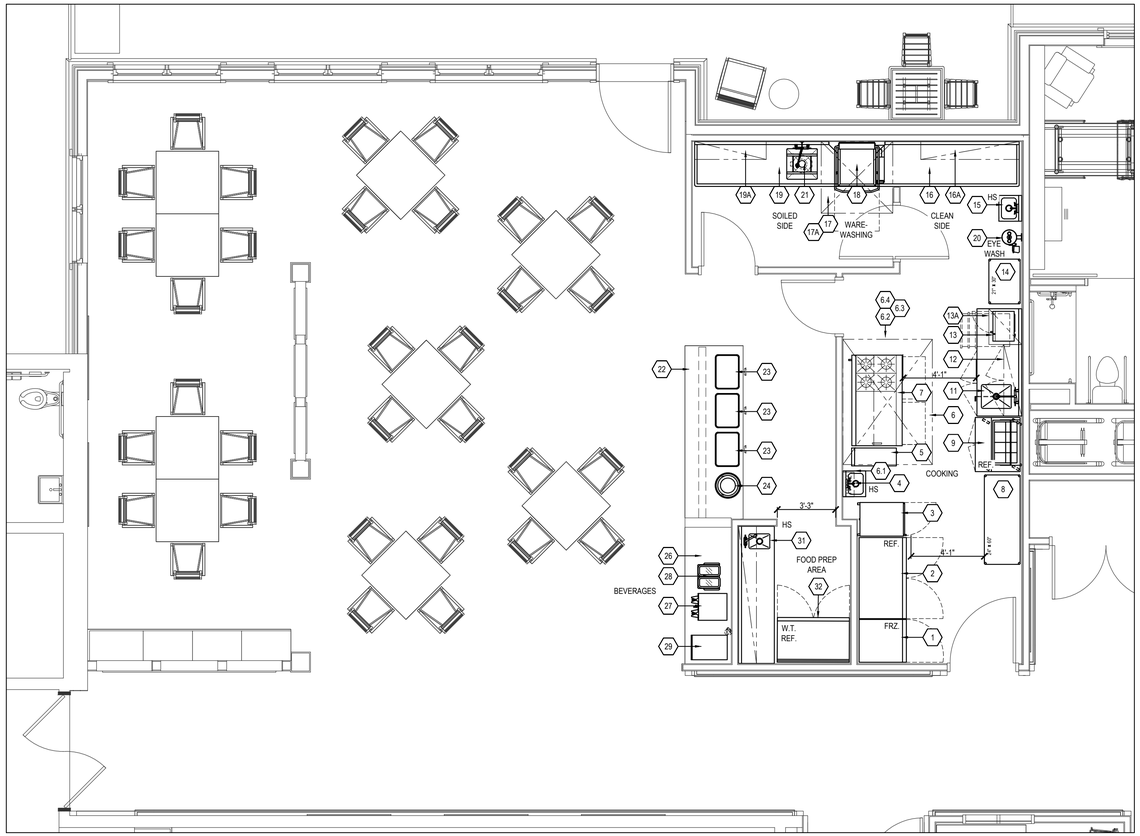
NOTES FOR ALL CONTRACTORS

A1 THE EQUIPMENT SPECIFICATION BOOKLET IS AN INTEGRAL PART OF THESE PLANS. THIS BOOK SHOULD BE USED TO INTERPRET PLAN REQUIREMENTS. IT CONTAINS INFORMATION THAT WILL AFFECT YOUR BID.

A2 ALL BIDDERS SHALL FULLY INSPECT THE SITE AND EXISTING CONDITIONS INCLUDING ALL UTILITY SERVICES AND EXISTING ELECTRICAL WIRING AND PLUMBING PRIOR TO SUBMISSION OF BID.

A3 ALL BIDDERS SHALL VERIFY ALL DIMENSIONS AND REQUIREMENTS, BEFORE ANY WORK BEGINS AND NOTE ANY DISCREPANCIES IN WRITING TO BOELTER, LLC. PROCEEDING WITH THE WORK SHALL CONSTITUTE ACCEPTANCE BY THE BIDDER THAT DIMENSIONS AND CONDITIONS ARE CORRECT AND THE BIDDER SHALL ASSUME FULL RESPONSIBILITY FOR THE SAME, AND THE FOLLOWING:

- REPAIRING ANY DAMAGE CAUSED BY THEIR WORK.
- REPLACING ANY ACCESS PANELS REMOVED FOR THE PURPOSE OF MAKING UTILITY CONNECTIONS.
- RETURNING EQUIPMENT MOVED TO MAKE UTILITY CONNECTIONS TO ORIGINA



1 FOODSERVICE EQUIPMENT PLAN

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

EQUIPMENT SCHEDULE

ITEM NO	QTY	EQUIPMENT	SUPPLIED BY	EQUIPMENT REMARKS
1	1	REACH-IN FREEZER	BOELTER	SELF-CONTAINED REFRIGERATION
2	1	REACH-IN REFRIGERATOR	BOELTER	SELF-CONTAINED REFRIGERATION
3	1	MOBILE WARMING CABINET	BOELTER	
4	1	HAND SINK	BOELTER	
5	1	WORKTABLE	BOELTER	
6	1	EXHAUST HOOD	BOELTER	RECEIVING & INSTALLATION BY GC
6.1	1	FIRE SUPPRESSION SYSTEM	BOELTER	SEE MANUFACTURER'S SHOP DRAWINGS
6.2	1	EXHAUST SYSTEM CONTROL PANEL	BOELTER	SEE MANUFACTURER'S SHOP DRAWINGS
6.3	1	EXHAUST FAN	OTHERS(G.C.)	VERIFY REQUIREMENTS WITH SUPPLIER
6.4	1	MAKE-UP AIR UNIT	OTHERS(G.C.)	VERIFY REQUIREMENTS WITH SUPPLIER
7	1	RANGE, GAS	BOELTER	
8	1	WIRE SHELVING UNIT	BOELTER	
9	1	REFRIGERATED PREP TABLE	BOELTER	SELF-CONTAINED REFRIGERATION
10	-	SPARE NUMBER	-	
11	1	WORK TABLE WITH PREP SINK	BOELTER	WITH LEVER DRAIN & FAUCET
12	1	WALL CABINET	BOELTER	
13	1	MICROWAVE OVEN	BOELTER	
13A	1	MICROWAVE OVEN SHELF	BOELTER	
14	1	WIRE SHELVING UNIT	BOELTER	
15	1	HAND SINK	BOELTER	
16	1	CLEAN DISHTABLE	BOELTER	
16A	1	WALL SHELF	BOELTER	
17	1	CONDENSATE HOOD	BOELTER	
17A	1	CONDENSATE FAN	OTHERS(G.C.)	VERIFY REQUIREMENTS WITH SUPPLIER
18	1	DISHWASHER, DOOR TYPE	BOELTER	
19	1	SOILED DISH TABLE WITH SCRAP SINK	BOELTER	
19A	1	SLANT RACK SHELF	BOELTER	
20	1	EYE WASH STATION	OTHERS	
21	1	DISPOSER	BOELTER	WITH MANUAL REVERSE SWITCH
22	1	FRONT CABINET/COUNTERTOP	OTHERS	
23	3	DROP-IN INDUCTION WARMER	BOELTER	
24	1	DROP-IN PLATE AND DISH DISPENSER	BOELTER	
25	-	SPARE NUMBER	-	
26	1	FRONT BEVERAGE CABINET/COUNTERTOP	OTHERS	
27	1	COFFEE BREWER	OTHERS	VERIFY REQUIREMENTS WITH SUPPLIER
28	1	JUICE MACHINE	OTHERS	VERIFY REQUIREMENTS WITH SUPPLIER
29	1	ICE & WATER DISPENSER WITH WATER FILTER	BOELTER	SELF-CONTAINED REFRIGERATION
30	-	SPARE NUMBER	-	
31	1	WORK TABLE WITH HAND SINK	BOELTER	WITH FAUCET
32	1	WORKTOP REFRIGERATOR	BOELTER	SELF-CONTAINED REFRIGERATION

Boelter™
Foodservice Design, Equipment & Supply

boelter.com

THIS DRAWING IS THE PROPERTY OF THE BOELTER COMPANIES AND IS LOANED SUBJECT TO THE CONDITION THAT IT IS NOT MODIFIED, REVISED, REPRODUCED OR DISTRIBUTED IN WHOLE OR IN PART, DIRECTLY OR INDIRECTLY, EXCEPT WITH THE CONSENT OF AND UNDER THE SUPERVISION OF THE BOELTER COMPANIES.

PELICAN VALLEY SENIOR LIVING

PELICAN RAPIDS, MN

PROJECT NUMBER: 24-169 71

PROJECT TEAM:

PROJECT MANAGER: TODD OLSON
PROJECT COORDINATOR: JOHN NORD
CAD/REVIT DESIGNER: BOB MONTOUR

ISSUE DATE: 01.28.2025

FOR FULL SCALE, THIS DOCUMENT IS TO BE PRINTED ON 24"X36" SIZE SHEET

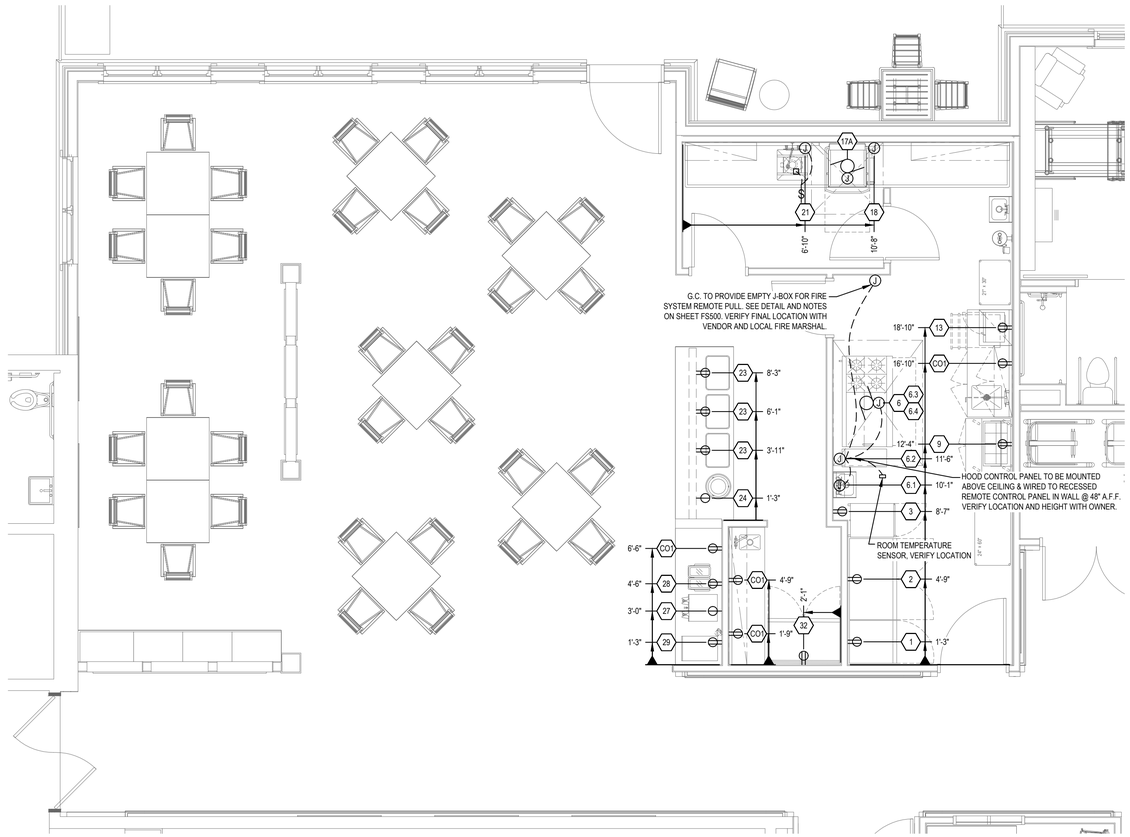
REVISIONS

NO.	DATE	DESCRIPTION

FOODSERVICE EQUIPMENT PLAN

FS100

1/27/2025 10:07 AM C:\Users\rmontour.BOELTERDOM\ACCDocs\Boelter Companies\CAD\CAD\71-MSP PREMIER\2024\PELICAN VALLEY SENIOR LIVING - 24-169 71\12.13.24 - PELICAN VALLEY FOODSERVICE PLANS.dwg



1 FOODSERVICE ELECTRICAL ROUGH-IN PLAN

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

EXHAUST HOOD HVAC SCHEDULE

ITEM NO.	QTY	DESCRIPTION	SUPPLIER	EQUIPMENT REMARKS	HVAC MAKE-UP AIR			HVAC EXHAUST			HVAC REMARKS
					DUCT SIZE	CFM	SPWG	DUCT SIZE	CFM	SPWG	
6	1	EXHAUST HOOD	BOELTER	RECEIVING & INSTALLATION BY GC				10" x 14"	1500	0.523"	RECEIVING & INSTALLATION BY GC; SEE NOTES EG, EH & MFR'S SHOP DWG'S
17	1	CONDENSATE HOOD	BOELTER	RECEIVING & INSTALLATION BY GC				6" x 9"	600	0.307"	RECEIVING & INSTALLATION BY GC; SEE NOTES EG, EH & MFR'S SHOP DWG'S

ELECTRICAL ROUGH-IN SCHEDULE

ITEM NO	QTY	EQUIPMENT	SUPPLIED BY	VOLTS	PHASE	CYCLE	AMPS	KW	HP	DIRECT	PLUG	NEMA	ELECTRICAL AFF (IN)	ELECTRICAL REMARKS
1	1	REACH-IN FREEZER	BOELTER	120	1	60	6.3		1/2		X	5-15P	14"	9' CORD WITH PLUG PROVIDED
2	1	REACH-IN REFRIGERATOR	BOELTER	120	1	60	3.2		1/5		X	5-15P	14"	9' CORD WITH PLUG PROVIDED
3	1	MOBILE WARMING CABINET	BOELTER	120	1		10.0	1.2			X	5-15P	14"	8' CORD WITH PLUG PROVIDED
6	1	EXHAUST HOOD	BOELTER	120	1	60	20C			X			120"	FOR E.C. SUPPLIED LIGHTS - SEE NOTE EH & MANUFACTURER'S SHOP DRAWINGS.
6.1	1	FIRE SUPPRESSION SYSTEM	BOELTER	120	1	60	20C			X			CLG	SEE FIRE NOTES, DETAIL & MANUFACTURER'S SHOP DRAWINGS
6.2	1	EXHAUST SYSTEM CONTROL PANEL	BOELTER	120	1	60	20C			X			CLG.	EC TO WIRE FROM JB TO CONTROL, MUA, EXHAUST FAN, FIRE SUPPRESSION, DUCT SENSORS & THERMOSTAT AS REQ'D; SEE MFR'S SHOP DRAWINGS
6.3	1	EXHAUST FAN	OTHERS(G.C.)	VFY			VFY						VFY	VERIFY REQUIREMENTS WITH SUPPLIER; VERIFY LOCATION WITH ARCHITECT
6.4	1	MAKE-UP AIR UNIT	OTHERS(G.C.)	VFY			VFY						VFY	VERIFY LOCATION WITH ARCHITECT; VERIFY REQUIREMENTS WITH SUPPLIER
9	1	REFRIGERATED PREP TABLE	BOELTER	120	1	60	2.3		1/7		X	5-15P	14"	9' CORD WITH PLUG PROVIDED
13	1	MICROWAVE OVEN	BOELTER	120	1	60	13.0	1.6			X	5-15P	66"	5' CORD WITH PLUG PROVIDED
17A	1	CONDENSATE FAN	OTHERS(G.C.)	VFY			VFY						VFY	VERIFY REQUIREMENTS WITH SUPPLIER; VERIFY LOCATION WITH ARCHITECT
18	1	DISHWASHER, DOOR TYPE	BOELTER	208/240	3	60	52.5	12.5		X			24"	SINGLE POINT CONNECTION.; EC TO CONNECT DISH MACHINE AS REQ'D; MIN. 60 AMP CIRCUIT REQ'D
21	1	DISPOSER	BOELTER	208	3	60	6.6		2.0	X			24"	EC TO WIRE FROM JB TO MANUAL-REVERSING SWITCH; SEE NOTE ED & DETAIL RI-1010
23	3	DROP-IN INDUCTION WARMER	BOELTER	120	1	60	3.2	0.4			X	5-15P	18"	6' CORD WITH PLUG PROVIDED
24	1	DROP-IN PLATE AND DISH DISPENSER	BOELTER	120	1	60	3.8	0.4			X	L5-15P	18"	5' CORD WITH PLUG PROVIDED
27	1	COFFEE BREWER	OTHERS	208	1	60	40.0						48"	VERIFY REQUIREMENTS WITH SUPPLIER
28	1	JUICE MACHINE	OTHERS	120	1	60	20.0						48"	VERIFY REQUIREMENTS WITH SUPPLIER
29	1	ICE & WATER DISPENSER WITH WATER FILTER	BOELTER	120	1	60	8.5				X	5-15P	48"	6' CORD WITH PLUG PROVIDED
32	1	WORKTOP REFRIGERATOR	BOELTER	120	1	60	2.3		1/7		X	5-15P	14"	9' CORD WITH PLUG PROVIDED
CO1	1	CONVENIENCE OUTLET	OTHERS (E.C.)	120	1	60	20.0				X	5-20R	48"	EC TO PROVIDE CONVENIENCE DR'S ABOVE COUNTER WHERE SHOWN

GENERAL ELECTRICAL ROUGH-IN NOTES

1. ALL FINAL CONNECTIONS SHOWN ON THIS DRAWING ARE ACTUAL REQUIREMENTS OF THE EQUIPMENT AND ARE SHOWN IN THEIR APPROXIMATE LOCATION.
2. ALL VERTICAL DIMENSIONS ARE FROM FINISHED FLOOR TO CENTERLINE OF ROUGH-IN, UNLESS NOTED OTHERWISE.
3. ALL DIMENSIONS ARE CUMULATIVE FROM AN ESTABLISHED BUILDING COLUMN LINE OR WALL AS INDICATED.
4. FABRICATED EQUIPMENT CONTAINING A BREAKER PANEL (LOAD CENTER PANEL) OR EQUIPMENT INDICATED SO, SHALL BE PRE-WIRED BY FABRICATOR READY FOR FIELD CONNECTION TO ONE POINT BY ELECTRICAL CONTRACTOR. BREAKER PANELS WILL HAVE GROUND FAULT PROTECTION.
5. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL SWITCHES, STARTERS, INTERLOCKS, CORD & PLUG SETS, DISCONNECTS, ETC. FOR ALL EQUIPMENT UNLESS NOTED OTHERWISE. ALL DISCONNECTS OR LOCK-OUT DEVICES, STARTERS, ETC. TO MEET NEC AND OSHA STANDARDS.
6. ALL RECEPTACLES SHALL BE GROUNDED PER NEC AND OSHA.
7. FLUORESCENT LIGHT FIXTURES AND 100 WATT VAPOR PROOF BULLET TYPE LIGHT FIXTURE WITH METAL GUARD ON CEILING OF ALL WALK-IN BOXES PROVIDED BY FSEC AND WIRED BY ELECTRICAL CONTRACTOR. ALL LIGHT BULBS BY ELECTRICAL CONTRACTOR. ALL HORIZONTAL WIRING FOR WALK-IN BOXES SHALL BE RUN ON THE EXTERIOR OF THE WALK-IN BOX WITH ALL PENETRATIONS SEALED TIGHT.
8. ELECTRICAL CONTRACTOR TO PROVIDE CONTROL WIRING AND ELECTRICAL SERVICE FOR REMOTE REFRIGERATION SYSTEMS FOR WALK-IN BOXES AND/OR ICE MACHINES. ALSO COORDINATE LOCATION FOR SERVICE WITH ELECTRICAL ENGINEER.
9. ELECTRICAL CONTRACTOR TO PROVIDE WRAP AROUND HEATER CABLE ON ALL EVAPORATOR DRAIN LINES IN WALK-IN FREEZERS.
10. JUNCTION BOXES BETWEEN ADJACENT EXHAUST HOOD SECTIONS TO BE FIELD WIRED TOGETHER BY ELECTRICAL CONTRACTOR TO REMOTE SWITCH.
11. ELECTRICAL REQUIREMENTS FOR FIRE PROTECTION: GAS SOLENOID AND/OR SHUNT TRIP BREAKERS AND/OR FLOW CONTROL ALARM SWITCHES (FOR WET WATER SYSTEM) TO BE WIRED THRU LIFE SAFETY SYSTEM BY ELECTRICAL CONTRACTOR.
12. VERIFY ALL REQUIREMENTS WITH ELECTRICAL ENGINEER'S DRAWINGS. REFER TO SHEET FS/COVER SHEET FOR ADDITIONAL INFORMATION.
13. ELECTRICAL CONTRACTOR TO PROVIDE ALL LAMPS FOR ALL EQUIPMENT.
14. ELECTRICAL CONTRACTOR TO PROVIDE EXTENSION RINGS AS REQUIRED ON ALL RECEPTACLES UNDER EXHAUST HOODS THAT HAVE A S/S INSULATED WALL PANEL BELOW. VERIFY THE EXISTENCE OF THIS PANEL WITH FSEC OR THE PROJECT CUTSHEET BOOK.
15. ELECTRICAL CONTRACTOR TO PROVIDE INTERCONNECTION OF WIRING FOR ANY EQUIPMENT THAT COMES IN SECTIONS AND MUST BE ASSEMBLED.

SCHEDULE ELECTRICAL ROUGH-IN NOTES

EA. ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL JUNCTION BOX(S) AND RECEPTACLE(S) AS SHOWN ON PLAN. ALL INTERWIRING AND CONDUIT TO COMPLY WITH ALL APPLICABLE BUILDING CODES.

EB. TIME CLOCK, SOLENOID & THERMOSTAT BY REFRIGERATION CONTRACTOR. INSTALLATION BY ELECTRICAL CONTRACTOR.

EC. ELECTRICAL CONTRACTOR TO INTERCONNECT WALK-IN COOLER/FREEZER BLOWER COILS TO TIME CLOCK LOCATED ABOVE WALK-IN DOORS FOR TIMED DEFROST (POWER AND CONTROL WIRING IN CONDUIT) .

EF. ELECTRICAL CONTRACTOR TO WIRE EXHAUST HOOD LIGHT(S) AND FAN(S) TO EXHAUST HOOD CONTROL PANEL.

EG. ELECTRICAL CONTRACTOR TO WIRE CONDENSATE FAN TO VENT FAN CONTROL IN DISHMACHINE. VERIFY FAN UTILITY REQUIREMENTS.
- DUCT WORK AND FAN MOTOR PROVIDED BY HVAC.
- DUCT RISER FROM DISHMACHINE TO CEILING PROVIDED BY FSEC. (IF APPLICABLE)

EH. ELECTRICAL CONTRACTOR TO WIRE EXHAUST HOOD LIGHT(S) AND FANS TO REMOTE WALL SWITCH(ES) AND INTERWIRE FANS WITH FIRE SUPPRESSION SYSTEM & MICROSWITCH AS INDICATED ON MANUFACTURER'S SHOP DRAWINGS AND IN FIRE NOTES - DUCT WORK, FAN MOTOR(S), AND FAN(S) FURNISHED AND INSTALLED BY HVAC CONTRACTOR. LOCATE WALL SWITCHES AS SHOWN ON PLAN. WHERE REQUIRED, EC TO WIRE FAN(S) TO DUCT TEMPERATURE SENSOR(S) OR TO INTERLOCK(S) WITH COOKING APPLIANCES AS WELL AS OVERRIDE WALL SWITCH(ES) FOR THE LIGHT(S) AND FAN(S). THESE DEVICES ARE INSTALLED SO THAT THE HOOD FAN(S) TURN ON WHEN COOKING EQUIPMENT IS TURNED ON. DUCT TEMPERATURE SENSOR(S) FURNISHED AND INSTALLED IN THE DUCT BY HVAC CONTRACTOR, WIRED BY ELECTRICAL CONTRACTOR.

EJ. ELECTRICAL CONTRACTOR TO PROVIDE EXTENSION RINGS AS REQUIRED ON ALL RECEPTACLES, SUCH AS UNDER EXHAUST HOODS THAT HAVE A S/S INSULATED WALL PANEL BELOW (1" OR 3" THICK), OR BACKSPLASHES (1" OR 2" THICK) ON FOODSERVICE EQUIPMENT. VERIFY THE EXISTENCE AND SIZE OF WALL PANELS WITH FSEC OR THE PROJECT CUTSHEET BOOK.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
(J)	JUNCTION BOX
(D)	DROP CORD (SEE SCHED)
	SINGLE RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
	QUADRUPLEX RECEPTACLE OUTLET
(J)	DIRECT WIRED CONNECTION
$	SWITCH
	MOTOR
(0)	SCHEDULE ITEM NUMBER

Boelter
Foodservice Design, Equipment & Supply
boelter.com

THIS DRAWING IS THE PROPERTY OF THE BOELTER COMPANIES AND IS LOANED SUBJECT TO THE CONDITION THAT IT IS NOT MODIFIED, REVISED, REPRODUCED OR DISTRIBUTED IN WHOLE OR IN PART, DIRECTLY OR INDIRECTLY, EXCEPT WITH THE CONSENT OF AND UNDER THE SUPERVISION OF THE BOELTER COMPANIES.

PELICAN VALLEY SENIOR LIVING

PELICAN RAPIDS, MN

PROJECT NUMBER: 24-169 71

PROJECT TEAM:

PROJECT MANAGER: TODD OLSON
PROJECT COORDINATOR: JOHN NORD
CAD/REVIT DESIGNER: BOB MONTOUR

ISSUE DATE: 01.28.2025

FOR FULL SCALE, THIS DOCUMENT IS TO BE PRINTED ON 24"X36" SIZE SHEET

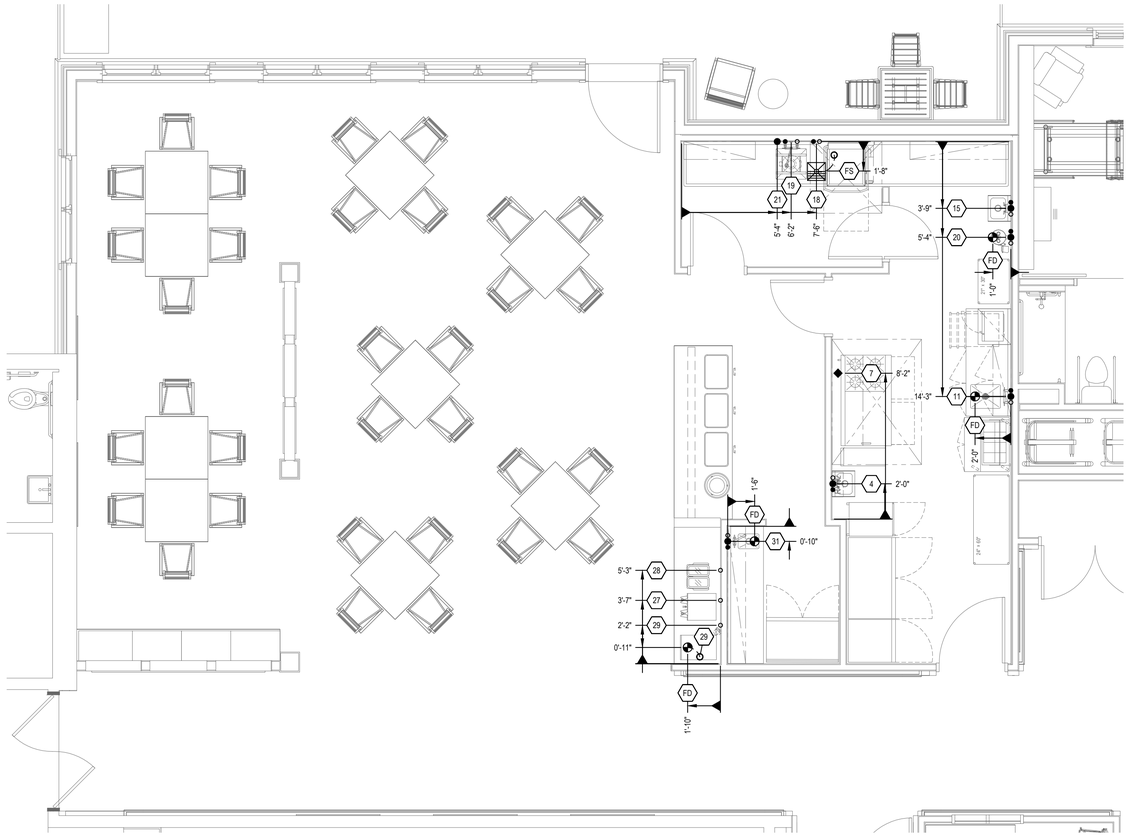
REVISIONS

NO.	DATE	DESCRIPTION

FOODSERVICE ELECTRICAL ROUGH-IN PLAN

FS200

1/27/2025 10:07 AM C:\Users\rmontour.BOELTERIDC\ACCDocs\Boelter Companies\CAD\CAD\71-MSP PREMIER\2024\PELICAN VALLEY SENIOR LIVING - 24-169 71\12.13.24 - PELICAN VALLEY FOODSERVICE PLANS.dwg



1 FOODSERVICE PLUMBING ROUGH-IN PLAN

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

SCHEDULE PLUMBING ROUGH-IN NOTES

MA. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL BACK FLOW PREVENTION DEVICE FOR THIS PIECE OF EQUIPMENT.

MB. PLUMBING CONTRACTOR TO BRANCH COLD WATER FROM PRE-RINSE SPRAY, FAUCET OR SEPARATE COLD WATER ROUGH-IN THRU SOLENOID VALVE AND VACUUM BREAKER, TO DISPOSER THROAT, BOWL OR SCRAPPING TROUGH AS SHOWN.

MC. FSEC WILL PROVIDE AND THE PLUMBING CONTRACTOR WILL INSTALL A WATER CONDITIONER FOR THIS PIECE OF EQUIPMENT.

MD. SENSIBLE AND LATENT HEAT DISSIPATION FROM THE DISHMACHINE ARE LISTED BELOW. VENTILATE THE DISHROOM ACCORDINGLY.

	LATENT HEAT	SENSIBLE HEAT
ITEM #:	7,800 BTU/HR	4,000 BTU/HR

THESE VALUES ARE TO CALCULATE VENTILATION REQUIRED IN ADDITION TO EXHAUST LISTED IN SCHEDULE. THIS HEAT IS ADDITIONAL HEAT NOT EXHAUSTED THRU THE DISHMACHINE EXHAUST VENTS.

ME. IF WATER EXCEEDS 5 GRAINS OF HARDNESS, THE DISHMACHINE MANUFACTURER RECOMMENDS SOFTENED WATER BE PROVIDED TO THE DISHMACHINE AND BOOSTER HEATER. THE DISHMACHINE WILL USE 40.2 GPH OF HOT WATER AND WILL OPERATE APPROXIMATELY 8 HOURS PER DAY. VERIFY HOURS OF USE WITH OWNER.

MF. THIS PIECE OF EQUIPMENT HAS SPECIAL WATER QUALITY REQUIREMENTS AS SET BY THE MANUFACTURER. IN ORDER TO MINIMIZE SERVICE PROBLEMS A WATER TREATMENT SYSTEM (SOFTENER) IS RECOMMENDED WHEN THE TOTAL DISSOLVED SOLIDS (HARMFUL CONCENTRATIONS OF MINERALS) EXCEEDS THE MANUFACTURER'S RECOMMENDED LIMITS.

MG. FSEC TO PROVIDE AND PLUMBING CONTRACTOR TO INSTALL A GAS QUICK-DISCONNECT FLEXIBLE HOSE FOR THIS PIECE OF EQUIPMENT. SEE DETAIL RI-1000

MH. AIR COOLED REFRIGERATION EQUIPMENT IN AN ENCLOSED STRUCTURE REQUIRES A MINIMUM VENTILATION OF 1,000 CFM PER HORSEPOWER. INTERIOR TEMPERATURE OF COMPRESSOR ENCLOSURE SHOULD NOT EXCEED 90°F.

PLUMBING LEGEND

SYMBOL	DESCRIPTION
●	HOT WATER
○	COLD WATER
●	DIRECT WASTE
○	INDIRECT WASTE
	FLOOR DRAIN
	FLOOR SINK W/ HALF GRATE
◆	GAS
0	SCHEDULE ITEM NUMBER

GENERAL PLUMBING ROUGH-IN NOTES

1. HIGH-PRESSURE GAS CANNOT BE USED. PLUMBING CONTRACTOR TO REGULATE GAS PRESSURE TO PROVIDE BETWEEN 6" & 14" W.C. GAS PRESSURE BEFORE THE REGULATOR AT THE EQUIPMENT. THEN REGULATE THE PRESSURE DOWN TO PRESSURE RECOMMENDED BY THE APPLIANCE MANUFACTURER.
2. ALL FINAL CONNECTIONS SHOWN ON THIS DRAWING ARE ACTUAL REQUIREMENTS OF THE EQUIPMENT AND ARE SHOWN IN THEIR APPROXIMATE LOCATION.
3. PLUMBING VENT SIZES AND LOCATIONS ARE TO BE DETERMINED BY THE PLUMBING CONTRACTOR.
4. FLOOR DRAINS SHOWN ARE FOR EQUIPMENT USE AND GENERAL CLEANING PURPOSES, AND ARE TO BE OF THE TYPE INDICATED IN SYMBOLS UNLESS OTHERWISE REQUIRED BY LOCAL CODES.
5. PLUMBING CONTRACTOR TO SUPPLY ALL VALVES, REGULATORS, TRAPS, TAIL PIECES AND OTHER MATERIAL REQUIRED TO MAKE FINAL CONNECTIONS. STOP VALVES SHALL BE PROVIDED IN ALL PIPING TO KITCHEN AND OTHER EQUIPMENT OR FIXTURES AHEAD OF OPERATING LEVER HANDLES OR FAUCETS.
6. ALL VERTICAL DIMENSIONS ARE FROM FINISHED FLOOR TO CENTERLINE OF ROUGH-IN, UNLESS NOTED OTHERWISE.
7. PLUMBING CONTRACTOR TO EXTEND ALL INDIRECT WASTE (IW) TO FLOOR DRAINS OR FLOOR SINKS. ALL INDIRECT WASTE LINES TO BE RUN IN ACCORDANCE WITH ALL LOCAL CODES.
8. PLUMBING ENGINEER SHALL DETERMINE MAIN GAS LINE DROPS, SIZES AND ROUTING TO CONNECTION POINTS. ALL GAS ROUGH-INS SHOWN ARE CONNECTION POINTS ONLY.
9. PLUMBING CONTRACTOR TO PROVIDE ALL GAS FIRED EQUIPMENT WITH INDIVIDUAL MANUAL SHUT-OFF VALVES.
10. REFRIGERATION CONTRACTOR SHALL INSTALL ALL REFRIGERATION LINES BETWEEN BLOWER COILS AND/OR COLD PANS AND REMOTE COMPRESSORS FOR ALL REFRIGERATION EQUIPMENT AND/OR ICE MACHINES.
11. PLUMBING CONTRACTOR TO PROVIDE ALL PVC LINES USED FOR BEVERAGE AND REFRIGERATION RUNS. PROVIDE A MINIMUM OF 24" SWEEP BENDS FOR ALL ELBOWS, AND VERIFY SIZE REQUIREMENTS WITH BEVERAGE/REFRIGERATION SUPPLIER.
12. PLUMBING CONTRACTOR TO PROVIDE AND INSTALL ALL NECESSARY FITTINGS, PIPING NIPPLES, STEAM REGULATORS, BAKELITE HANDLED STEAM VALVES (GLOBE AND/OR GATE), SHUT OFF VALVES, STEAM TRAP ASSEMBLIES, ETC., TO PROVIDE COMPLETE OPERABLE SYSTEM FOR STEAM COOKING EQUIPMENT, EXCEPT WHERE NOTED OTHERWISE. ALL EXPOSED FITTINGS, ETC. AS STATED ABOVE TO BE CHROME PLATED.
13. GENERAL CONTRACTOR TO PROVIDE ALL ROOF, CEILING, WALL AND FLOOR HOLES AND ANY REQUIRED SLEEVES (FOR PVC PIPE, BEVERAGE AND/OR REFRIGERATION LINES INSTALLED BY OTHERS), AND SEAL THEM IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODES. GENERAL CONTRACTOR TO PROVIDE ALL DUCT FIRE SEPARATIONS, ENCLOSURES, WRAPPINGS, ETC., IN ACCORDANCE WITH ALL APPLICABLE BUILDING AND FIRE CODES.
14. PLUMBING ENGINEER TO VERIFY AND PLUMBING CONTRACTOR TO PROVIDE ANY REQUIRED GREASE TRAPS/INTERCEPTORS WHETHER THEY ARE POINT-OF-USE, KITCHEN OR BUILDING TYPE, IN ACCORDANCE WITH ALL APPLICABLE BUILDING CODES.
15. ALL DIMENSIONS ARE CUMULATIVE FROM AN ESTABLISHED BUILDING COLUMN LINE OR WALL AS INDICATED.
16. KITCHEN SINK FAUCETS AND LEVER DRAINS THAT ARE FURNISHED LOOSE BY FSEC ARE TO BE INSTALLED BY THE PLUMBING CONTRACTOR.
17. HEALTH CODES REQUIRE THAT ALL PLUMBING BE ENCLOSED IN WALLS OR FLOOR AND THAT EXPOSED PIPING RUNS BE AS SHORT AS POSSIBLE. EXPOSED HORIZONTAL PIPING MUST BE 6" ABOVE THE FLOOR AND AT LEAST 1" OFF THE WALL. ALL EXPOSED PIPING TO BE CHROME PLATED.
18. VERIFY ALL REQUIREMENTS WITH MECHANICAL ENGINEER'S DRAWINGS. REFER TO SHEET FS/COVER SHEET FOR ADDITIONAL INFORMATION.
19. PLUMBING CONTRACTOR TO EXTEND HIS PIPING AT LEAST 1" FARTHER OUT OF ANY WALL BELOW AN EXHAUST HOOD THAT HAS A S/S INSULATED WALL PANEL UNDER IT. VERIFY THE EXISTENCE OF THIS PANEL WITH FSEC OR THE PROJECT CUTSHEET BOOK.
20. PLUMBING CONTRACTOR TO PROVIDE INTERCONNECTION OF PIPING FOR ANY EQUIPMENT THAT COMES IN SECTIONS AND MUST BE ASSEMBLED.
21. ALL EXHAUST HOODS & STAINLESS STEEL WALL PANELS, UNLESS NOTED OTHERWISE, ARE SUPPLIED BY FSEC AND INSTALLED BY THE GENERAL CONTRACTOR.

PLUMBING ROUGH-IN SCHEDULE

ITEM NO	QTY	EQUIPMENT	SUPPLIED BY	DIRECT DRAIN SIZE (IN)	DIRECT-DRAIN AFF (IN)	INDIR DRAIN SIZE (IN)	HOT WATER SIZE (IN)	HOT-WATER AFF (IN)	COLD WATER SIZE (IN)	COLD-WATER AFF (IN)	GAS SIZE (IN)	MBTUH	GAS AFF (IN)	PLUMBING REMARKS
4	1	HAND SINK	BOELTER	1-1/2"	21"		1/2"	25"	1/2"	25"				PC TO INSTALL HAND SINK, RUN WATER TO FAUCET, & WASTE TO SINK AS REQ'D
6.4	1	MAKE-UP AIR UNIT	OTHERS(G.C.)								VFY	VFY	VFY	VERIFY LOCATION WITH ARCHITECT; VERIFY REQUIREMENTS WITH SUPPLIER
7	1	RANGE, GAS	BOELTER								3/4"	246.0	18"	SEE NOTE MG & DETAIL RI-1000; 7" W.C. - NAT. GAS
11	1	WORK TABLE WITH PREP SINK	BOELTER	2"	15"		1/2"	18"	1/2"	18"				PC TO RUN WATER TO FAUCET & WASTE TO SINK AS REQ'D
15	1	HAND SINK	BOELTER	1-1/2"	21"		1/2"	25"	1/2"	25"				PC TO INSTALL HAND SINK, RUN WATER TO FAUCET, & WASTE TO SINK AS REQ'D
18	1	DISHWASHER, DOOR TYPE	BOELTER			2"	1/2"	12"	1/2"	12"				MIN 110° WATER; SEE NOTE MD, ME; PC TO RUN IW TO FS, CW FOR DRAIN TEMPERING KIT
19	1	SOILED DISH TABLE WITH SCRAP SINK	BOELTER				1/2"	18"	3/4"	18"				PC TO RUN WATER TO FAUCET; TEE CW TO DISPOSER (ITEM #21) AS REQ'D
20	1	EYE WASH STATION	OTHERS	1-1/2"	12"		1/2"	25"	1/2"	25"				PC TO TEMPER WATER TO 60-100°F & CONNECT AS REQ'D; UNIT HEIGHT TO BE 33"-53" AFF PER ANSI STANDARD
21	1	DISPOSER	BOELTER	2"	10"				1/2"	TEE				PC TO INSTALL DISPOSER & CONNECT AS REQ'D; SEE NOTES MA & MB & DETAIL RI-1010
27	1	COFFEE BREWER	OTHERS						1/2"	48"				VERIFY REQUIREMENTS WITH SUPPLIER
28	1	JUICE MACHINE	OTHERS						1/2"	48"				VERIFY REQUIREMENTS WITH SUPPLIER
29	1	ICE & WATER DISPENSER WITH WATER FILTER	BOELTER			3/4"			1/2"	28"				SEE NOTE MC; PC TO RUN FILTERED CW TO ICE/WATER MACHINE & IW TO FD AS REQ'D
31	1	WORK TABLE WITH HAND SINK	BOELTER	2"	15"		1/2"	18"	1/2"	18"				PC TO RUN WATER TO FAUCET & WASTE TO SINK AS REQ'D

Boelter
Foodservice Design, Equipment & Supply
boelter.com

THIS DRAWING IS THE PROPERTY OF THE BOELTER COMPANIES AND IS LOANED SUBJECT TO THE CONDITION THAT IT IS NOT MODIFIED, REVISED, REPRODUCED OR DISTRIBUTED IN WHOLE OR IN PART, DIRECTLY OR INDIRECTLY, EXCEPT WITH THE CONSENT OF AND UNDER THE SUPERVISION OF THE BOELTER COMPANIES.

PELICAN VALLEY SENIOR LIVING

PELICAN RAPIDS, MN

PROJECT NUMBER: 24-169 71

PROJECT TEAM:

PROJECT MANAGER: TODD OLSON
PROJECT COORDINATOR: JOHN NORD
CAD/REVIT DESIGNER: BOB MONTOUR

ISSUE DATE: 01.28.2025

FOR FULL SCALE, THIS DOCUMENT IS TO BE PRINTED ON 24"X36" SIZE SHEET

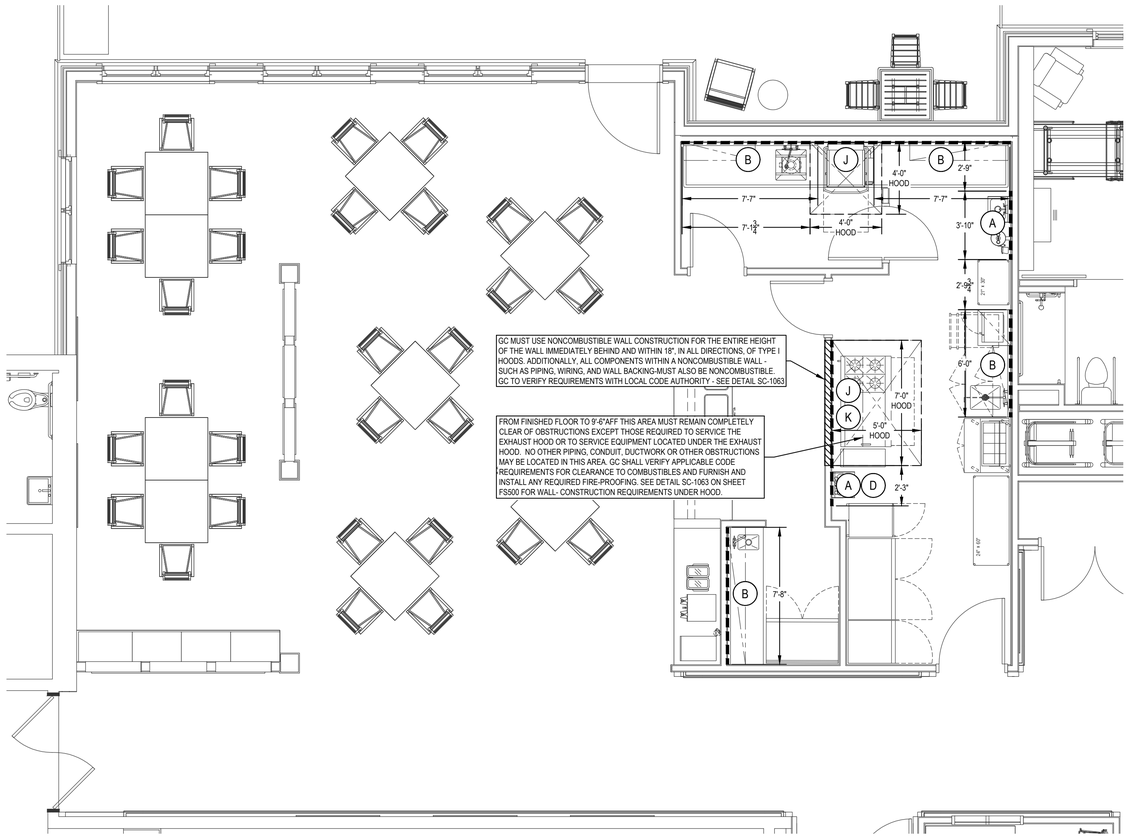
REVISIONS

NO.	DATE	DESCRIPTION

FOODSERVICE PLUMBING ROUGH-IN PLAN

FS300

1/27/2025 10:07 AM C:\Users\rmontour.BOELTERDC\ACCDocs\Boelter Companies\CAD\CAD\71-MSP PREMIER\2024\PELICAN VALLEY SENIOR LIVING - 24-169 71\12.13.24 - PELICAN VALLEY FOODSERVICE PLANS.dwg



1 FOODSERVICE SPECIAL CONDITIONS PLAN

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

WALL BACKING NOTES

SIGNIFIES WALL BACKING

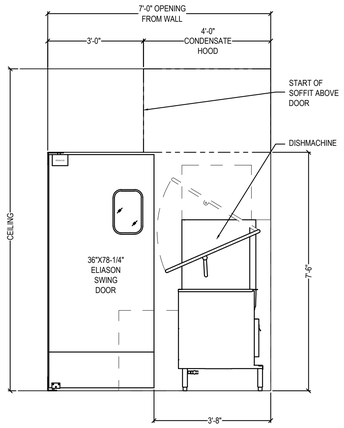
GENERAL CONTRACTOR TO FURNISH & INSTALL 5/8" FIRE-TREATED PLYWOOD BEHIND GYPSUM BOARD, UNLESS OTHERWISE SPECIFIED, AT THE LOCATIONS INDICATED ON THE PLAN. IF DIMENSIONS PLACE THE BACKING BETWEEN STUDS, EXTEND BACKING TO THE NEXT FULL HEIGHT STUD.

HEIGHTS REQUIRED ARE AS FOLLOWS: (ALL MAY NOT APPLY)

- (A) FROM 25" TO 73" AFF FOR HAND SINKS & SOAP AND TOWEL DISPENSERS
- (B) FROM 25" TO 96" AFF FOR TABLES, WALL SHELVING AND CABINETS
- (D) FROM 42" TO 78" AFF FOR WALL MOUNTED EQUIPMENT
- (E) FROM 48" TO 96" AFF FOR ICE MAKER WATER FILTER SYSTEMS
- (G) FROM FLOOR TO CEILING FOR EXHAUST HOOD CONTROL PANEL AND OR FIRE SUPPRESSION SYSTEM CABINET
- (J) FROM 102" TO 114" AFF FOR WALL HOOD - SEE DETAIL SC-1063
- (K) FROM FLOOR TO 12" AFF AT COOKING LINE FOR RESTRAINING DEVICES - SEE DETAIL SC-1063

LEGEND - SPECIAL CONDITIONS PLAN

SYMBOL		DESCRIPTION
	=	NONCOMBUSTIBLE WALL CONSTRUCTION



2 SC-1080 - ELIASON DOOR AT CONDENSATE HOOD DETAIL

SCALE: NTS

FIRE PROTECTION NOTE

ALL OF THE FOLLOWING ITEMS ARE TO BE INSTALLED BY THE SPECIFIED TRADES AS DIRECTED BY THE FIRE PROTECTION CONTRACTOR:

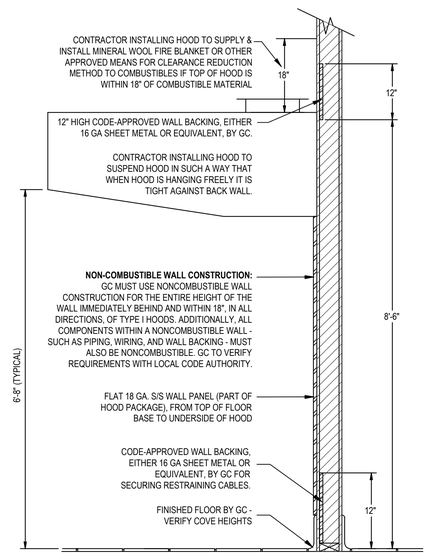
1. PLUMBING CONTRACTOR SHALL INSTALL THE GAS SHUT-OFF VALVE PROVIDED WITH THE FIRE PROTECTION SYSTEM.
2. ELECTRICAL CONTRACTOR SHALL, IF THE GAS SHUT-OFF VALVE IS ELECTRICALLY ACTUATED, INSTALL THE MANUAL RESET RELAY PROVIDED WITH THE FIRE PROTECTION SYSTEM AND WIRE THE SOLENOID ON THE VALVE AND THE MANUAL RESET RELAY TO THE ELECTRICAL SWITCH PROVIDED WITH THE FIRE PROTECTION SYSTEM.
3. ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL A REMOTE PULL BOX AND CONDUIT AS INDICATED IN PULL STATION DETAIL.
4. ELECTRICAL CONTRACTOR SHALL PROVIDE, INSTALL, AND CONNECT TO THE ELECTRICAL SWITCH PROVIDED WITH THE FIRE PROTECTION SYSTEM, A SHUNT TRIP BREAKER, OR OTHER APPROVED METHOD, TO SHUT OFF POWER TO ALL ELECTRICAL EQUIPMENT AND OUTLETS LOCATED UNDER THE HOOD UPON ACTIVATION OF THE FIRE PROTECTION SYSTEM.
5. AS REQUIRED BY LOCAL CODES, ELECTRICAL CONTRACTOR SHALL WIRE DEDICATED MAKE-UP AIR FANS TO THE ELECTRICAL MICRO SWITCH PROVIDED WITH THE FIRE PROTECTION SYSTEM SO THAT UPON ACTIVATION OF THE FIRE PROTECTION SYSTEM THE MAKE-UP AIR FANS WILL SHUT DOWN AUTOMATICALLY.
6. AS REQUIRED BY LOCAL CODES, IF A BUILDING FIRE ALARM SYSTEM EXISTS, BUILDING FIRE-ALARM CONTRACTOR SHALL PROVIDE A SEPARATE ZONE ON THE BUILDING FIRE ALARM PANEL AND WIRE TO THE ELECTRICAL MICRO SWITCH PROVIDED WITH THE FIRE PROTECTION SYSTEM SUCH THAT UPON ACTIVATION OF THE HOOD SYSTEM A SPECIFIC ZONE ON THE BUILDING FIRE ALARM SYSTEM SHALL ACTIVATE.
7. IF A PIRANHA SYSTEM IS SPECIFIED, PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL A BB-SCS01 VALVE IN THE SPRINKLER SUPPLY LINE IMMEDIATELY DOWNSTREAM FROM THE MAIN SPRINKLER SUPPLY LINE SHUT-OFF VALVE. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL A DEDICATED WATER LINE FROM THE BB-SCS01 VALVE TO THE PIRANHA FIRE PROTECTION SYSTEM. THIS WATER LINE SHALL INCLUDE A WYE STRAINER, HAVE A MINIMUM SIZE OF 3/4" DIAMETER, AND PROVIDE A SIMULTANEOUS FLOWING WATER PRESSURE OF 30 TO 100 PSI.

THE FOLLOWING ITEMS SHALL BE INSTALLED IF REQUIRED BY THE JURISDICTION HAVING AUTHORITY:

8. ELECTRICAL CONTRACTOR SHALL WIRE EXHAUST FANS TO THE ELECTRICAL SWITCH PROVIDED WITH THE FIRE PROTECTION SYSTEM SO THAT UPON ACTIVATION OF THE FIRE PROTECTION SYSTEM THE EXHAUST FANS WILL START UP IF THE FAN CONTROL SWITCH IS IN THE OFF POSITION AND SO THAT REGARDLESS OF OTHER CONDITIONS THE EXHAUST FANS SHALL CONTINUE RUNNING AUTOMATICALLY.
9. ELECTRICAL CONTRACTOR SHALL WIRE EXHAUST FANS TO THE ELECTRICAL SWITCH PROVIDED WITH THE FIRE PROTECTION SYSTEM SO THAT UPON ACTIVATION OF THE FIRE PROTECTION SYSTEM THE EXHAUST FANS WILL SHUT DOWN AUTOMATICALLY.
10. ELECTRICAL CONTRACTOR SHALL WIRE LIGHTS TO THE ELECTRICAL SWITCH PROVIDED WITH THE FIRE PROTECTION SYSTEM SO THAT UPON ACTIVATION OF THE FIRE PROTECTION SYSTEM THE LIGHTS UNDER THE EXHAUST HOOD WILL SHUT DOWN AUTOMATICALLY.

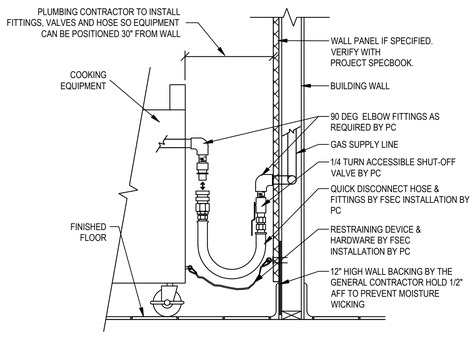
FIRE SYSTEM READINESS FOR TESTING

1. ALL COOKING APPLIANCES MUST BE SET IN THEIR PERMANENT POSITIONS. IT IS NOT SUFFICIENT FOR THE APPLIANCES TO BE JUST SET UNDERNEATH THE HOOD.
2. THE GAS LINE PIPING MUST BE COMPLETE FROM THE GAS MAIN TO THE APPLIANCES AND ALL INDIVIDUAL APPLIANCES MUST BE CONNECTED TO THE GAS LINE.
3. IF THERE ARE ELECTRICAL COOKING APPLIANCES OR ELECTRICAL OUTLETS UNDER THE HOOD, THE KITCHEN HOOD FIRE SUPPRESSION SYSTEM MICRO SWITCH MUST BE WIRED BY THE ELECTRICIAN TO A SHUNT-TRIP BREAKER SO IN THE EVENT OF ACTIVATION OF THE SYSTEM ALL ELECTRIC UNDER THE HOOD WILL BE SHUT OFF.
4. IN THE EVENT THERE IS A BUILDING FIRE ALARM SYSTEM, THERE MUST BE A SEPARATE ZONE ON THE BUILDING FIRE ALARM PANEL WIRED BY THE BUILDING FIRE ALARM CONTRACTOR TO THE KITCHEN HOOD FIRE SUPPRESSION MICRO SWITCH. IN THE EVENT THAT THE KITCHEN HOOD SYSTEM DISCHARGES, THE FIRE SUPPRESSION SYSTEM WILL ACTIVATE A SPECIFIC ZONE ON THE BUILDING FIRE ALARM SYSTEM.
5. ALL EXHAUST FANS AND MAKE-UP AIR FANS MUST BE OPERATIONAL.
6. MAKE-UP AIR FANS MUST BE WIRED BY THE ELECTRICIAN TO THE KITCHEN HOOD FIRE SUPPRESSION MICRO SWITCH SO THAT IN THE EVENT OF ACTIVATION OF THE SYSTEM, THE MAKE-UP AIR FANS WILL SHUT DOWN AUTOMATICALLY.
7. SOME FIRE DEPARTMENTS REQUIRE HOOD LIGHTS TO SHUT DOWN UPON ACTIVATION OF THE SYSTEM. CHECK WITH THE LOCAL FIRE JURISDICTION TO VERIFY THIS POTENTIAL REQUIREMENT.



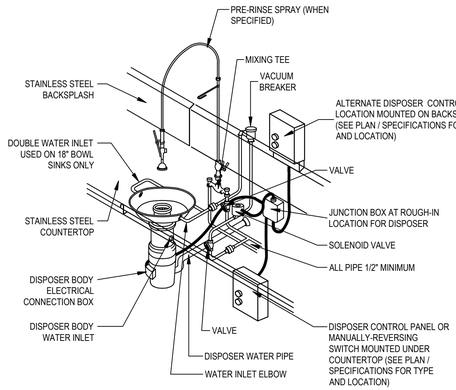
3 SC-1063 LOW PROFILE EXHAUST HOOD WALL DETAIL

SCALE: NTS



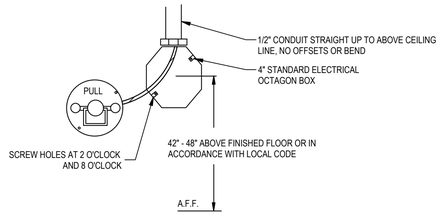
4 RI-1000 - QUICK DISCONNECT DETAIL

SCALE: NTS



5 RI-1010 - DISPOSER DETAIL

SCALE: NTS



NOTE:
PULL STATION SHOULD BE ACCESSIBLE IN THE EVENT OF A FIRE, LOCATED IN A PATH OF EGRESS, AND CLEARLY IDENTIFY THE HAZARD PROTECTED.

NOTE:
ELECTRICAL CONTRACTOR TO FURNISH AND INSTALL A 4 X 4 X 2 OCTAGON BOX. BOX TO BE RECESSED IN SHEET ROCK 1/4".

6 REMOTE PULL DETAIL

SCALE: NTS

Boelter
Foodservice Design, Equipment & Supply
boelter.com

THIS DRAWING IS THE PROPERTY OF THE BOELTER COMPANIES AND IS LOANED SUBJECT TO THE CONDITION THAT IT IS NOT MODIFIED, REVISED, REPRODUCED OR DISTRIBUTED IN WHOLE OR IN PART, DIRECTLY OR INDIRECTLY, EXCEPT WITH THE CONSENT OF AND UNDER THE SUPERVISION OF THE BOELTER COMPANIES.

PELICAN VALLEY SENIOR LIVING

PELICAN RAPIDS, MN

PROJECT NUMBER: 24-169 71

PROJECT TEAM:

PROJECT MANAGER:	TODD OLSON
PROJECT COORDINATOR:	JOHN NORD
CAD/REVIT DESIGNER:	BOB MONTOUR

ISSUE DATE: 01.28.2025

FOR FULL SCALE, THIS DOCUMENT IS TO BE PRINTED ON 24"X36" SIZE SHEET

REVISIONS

NO.	DATE	DESCRIPTION

FOODSERVICE SPECIAL CONDITIONS PLAN & DETAILS

FS400

1/27/2025 10:07 AM C:\Users\rmontour.BOELTER\DCIACCDocs\Boelter Companies\CAD\CAD\71-MSP PREMIER\2024\PELICAN VALLEY SENIOR LIVING - 24-169 71\12.13.24 - PELICAN VALLEY FOODSERVICE PLANS.dwg

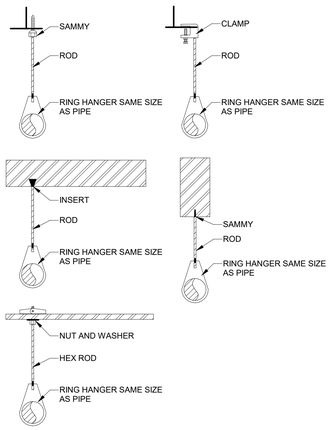
MN

FIRE SPRINKLER SYMBOLS LEGEND

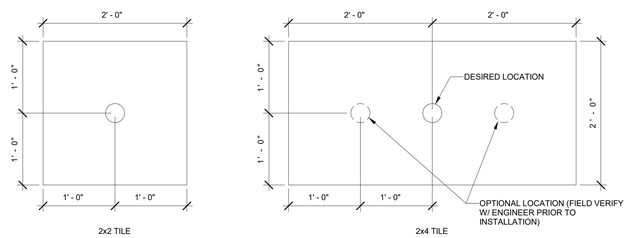
F	FIRE PROTECTION
	POST INDICATOR VALVE (PV)
	FIRE HYDRANT WITH SHUTOFF VALVE
	RECESSED FIRE DEPT CABINET
	SURFACE MTD FIRE DEPT CABINET
	FIRE PROTECTION RISER
	UPRIGHT SPRINKLER HEAD WITH GUARD
	PENDANT SPRINKLER HEAD
	UPRIGHT SPRINKLER HEAD
	SIDEWALL SPRINKLER HEAD
TS	BUTTERFLY VALVE WITH TAMPER SWITCH
	DETECTOR CHECK WITH BYPASS METER
	GRADE FIRE DEPT CONNECTION (FDC)
	FLUSH FIRE DEPT CONNECTION (FDC)
	FIRE DEPT VALVE WITH CAP AND CHAIN
	O.S. & Y VALVE WITH TAMPER SWITCH
	DRYPIPE VALVE
	PREACTION VALVE

AUTOMATIC SPRINKLER GENERAL NOTES

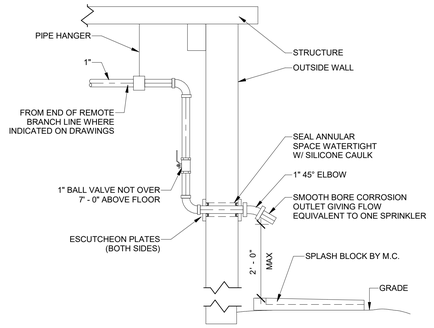
1. PIPING SHALL BE SLOPED SO THAT ALL PIPING CAN BE DRAINED. ALL LOW POINTS WILL BE DRAINED WITH A HOSE CONNECTION.
2. COORDINATE PIPING WITH SHELVING, CABINETS, ETC.
3. REMOVE ALL EXCESS MATERIAL FROM SITE DAILY
4. WHERE HEADS AND PIPING ARE EXPOSED, PIPING SHALL BE PAINTED OR CHROME PLATED TO MATCH THE SURROUNDING DECOR.
5. PIPE WALL PENETRATIONS SHALL BE FIRE CAULKED AND EXPOSED PIPING SHALL HAVE ESCUTCHEONS ON THE FINISHED SIDE OF WALLS.
6. ALL PIPING SHALL BE CONCEALED IN ROOMS WHICH HAVE CEILINGS.
7. MINIMUM SYSTEM REQUIREMENTS, MATERIALS AND PIPE SIZES SHALL BE DETERMINED IN ACCORDANCE WITH THE LATEST ADOPTED STATE AND NATIONAL FIRE PROTECTION CODES.
8. MECHANICAL ROOMS SHALL BE DESIGNED AS ORDINARY HAZARD GROUP I.
9. THE CONTRACTOR SHALL ALLOW A SAFETY FACTOR OF 5 PSI.
10. THE WATER VELOCITY IN THE PIPES SHALL NOT EXCEED 20 FEET/SECOND.
11. THE CONTRACTOR SHALL ARRANGE FOR A FIRE HYDRANT FLOW TEST AND SHALL INCLUDE THE HYDRANT FLOW TEST INFORMATION IN THE SHOP DRAWINGS. THE ELEVATION OF THE GAUGE HYDRANT RELATIVE TO THE BUILDING FLOOR SLAB SHALL BE INCLUDED.
12. SHOP DRAWINGS AND AS BUILT DRAWINGS FOR THE FIRE PROTECTION SYSTEM SHALL BE PLOTTED FROM FULL SCALE COMPUTER AIDED DEISGN GENERATED FORMAT. FLOOR PLANS SHALL BE PLOTTED AT 1/8 INCH OR 1/4 INCH PER FOOT.
13. A LICENSED FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, LAYOUT AND HYDRAULIC CALCULATIONS FOR WET AND DRY SPRINKLER SYSTEMS.
14. SPRINKLER PIPING AND HEADS SHALL BE LAID OUT BY EITHER A REGISTERED ENGINEER, REGISTERED IN THE STATE OF THE PROJECT, AND PROFICIENT IN FIRE PROTECTION DESIGN OR A NICET LEVEL 3 DESIGNER.
15. PROVIDE PERMANENT SIGNS TO IDENTIFY DRAINS, TEST CONNECTIONS, CONTROL VALVES, RISERS SUPPLYING HYDRAULICALLY DESIGNED SPRINKLER SYSTEMS, AND EACH ALARM. LABEL VALVES NORMALLY OPEN (NO) OR NORMALLY CLOSED (NC).
16. CPVC FIRE SPRINKLER PIPE SHALL NOT BE ALLOWED.
17. THE FIRE PROTECTION SYSTEM FOR THIS PROJECT SHALL BE A NFPA 13 SYSTEM. SUBMIT A HYDRAULICALLY DESIGNED SYSTEM WITH COMPLETE LAYOUT OF HEADS TO THE ARCHITECT AFTER THEY HAVE BEEN APPROVED BY STATE AND LOCAL AUTHORITIES. SEE ARCHITECTS PROJECT MANUAL FOR SPECIFICATIONS.
18. PROVIDE FIRE CURTAINS AROUND OPENINGS FLOOR TO FLOOR. PLACE HEADS ON 6'-0" CENTERS ALL AROUND OPENINGS.
19. REFERENCE ARCHITECTURAL REFLECTED CEILING PLANS FOR FINAL TYPES OF CEILINGS AND LOCATION OF HEADS AND CEILING HEIGHTS.
20. THE ENTIRE FIRE PROTECTION PIPING SYSTEM SHALL BE TESTED HYDROSTATICALLY AT NOT LESS THAN 200 PSI PRESSURE FOR TWO HOURS, OR AT 50 PSI IN EXCESS OF THE MAXIMUM STATIC PRESSURE WHEN THE MAXIMUM STATIC PRESSURE TO BE MAINTAINED IN THE SYSTEM IS IN EXCESS OF 150 LBS. THE HYDROSTATIC TEST PRESSURE SHALL BE MEASURED AT THE LOW POINT OF THE INDIVIDUAL SYSTEM OR ZONE BEING TESTED.



1 FP000 FIRE PROTECTION HANGER DETAILS
NO SCALE



2 FP000 CEILING TILE SPRINKLER HEAD LOCATIONS
NO SCALE



3 FP000 TEST OUTLET DETAIL
NO SCALE

FIRE PROTECTION SHEET LIST

SHEET NUMBER	SHEET NAME
FP000	FIRE PROTECTION COVER SHEET
FP1.00A	FIRE PROTECTION DEMOLITION PLAN - AREA A
FP1.00B	FIRE PROTECTION DEMOLITION PLAN - AREA B
FP1.01A	FIRE PROTECTION PLAN - AREA A
FP1.01B	FIRE PROTECTION PLAN - AREA B

M

Autodesk Docs://2024-24 - Pelican Valley Senior Living Renovation/2024-24 MEP Master Library Revit Central Model/24-24_Cv3.rvt
12/20/2025 3:44:46 PM

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

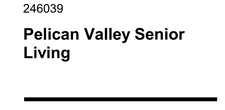
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

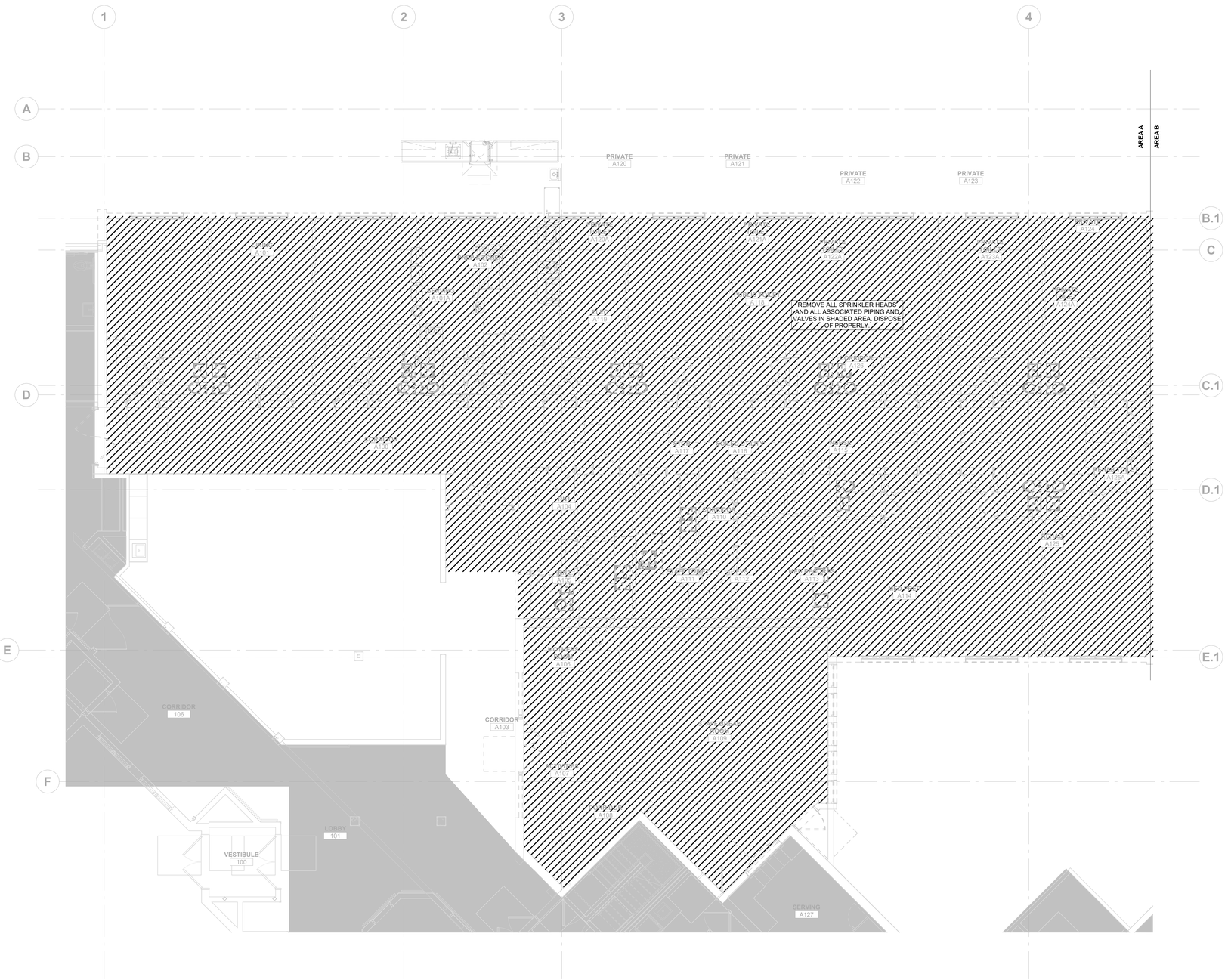
Comm: **2024-056**
Date: **01/28/2025**
Drawn: **MS**
Check: **MK**

North

FIRE PROTECTION COVER SHEET

Scale: **As indicated**

FP000



1 FP1.00A FIRST FLOOR FIRE PROTECTION DEMOLITION PLAN - AREA A
3/16" = 1'-0"

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 Pelican Valley Senior Living Renovation_ACA.rvt
1/28/2025 3:44:48 PM

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

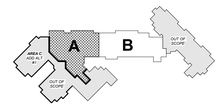
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions

Description	Date	Num

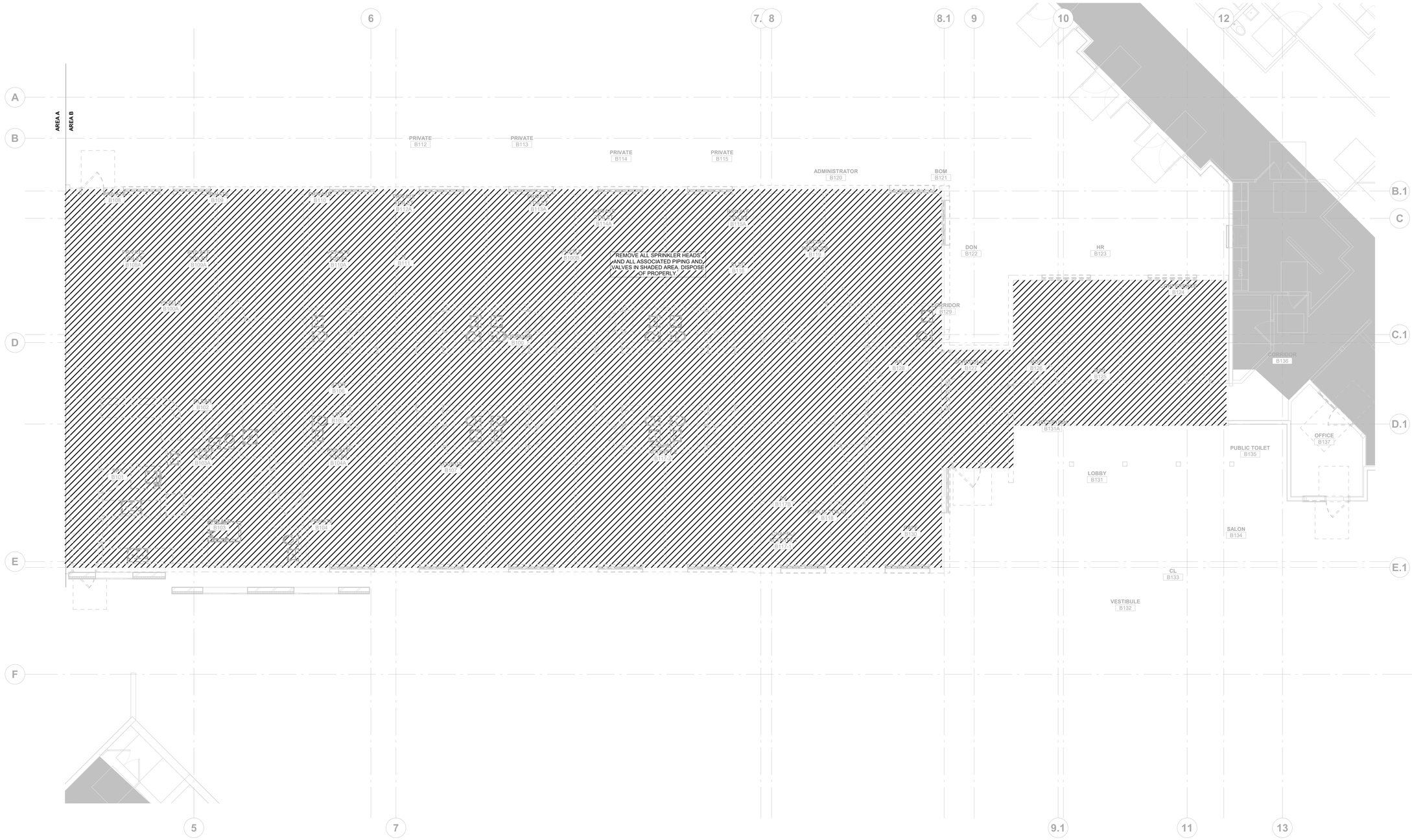
Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

North

FIRE PROTECTION DEMOLITION PLAN - AREA A

Scale: 3/16" = 1'-0"

FP1.00A



1 FP1.00B FIRST FLOOR FIRE PROTECTION DEMOLITION PLAN - AREA B
3/16" = 1'-0"

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 Pelican Valley Senior Living Renovation_central.rvt
1/28/2025 8:48:36 PM

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

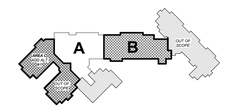
246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

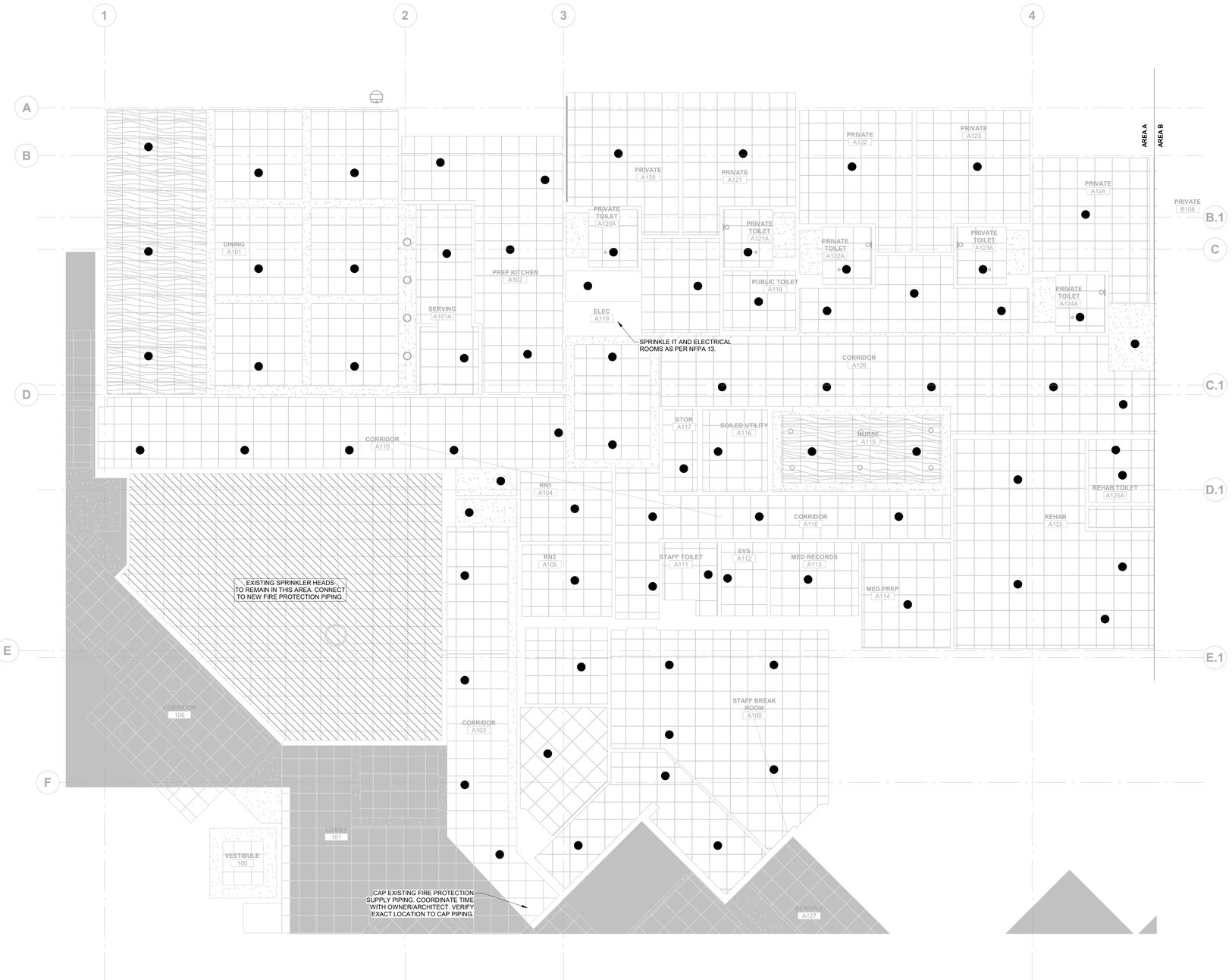
North

FIRE PROTECTION DEMOLITION PLAN - AREA B

Scale: 3/16" = 1'-0"

FP1.00B

MN



1 FP1.01A FIRE PROTECTION PLAN - AREA A
3/16" = 1'-0"

M

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039-MN Pelican Valley Senior Living Renovation_R25.rvt
1/28/2025 3:48:01 PM

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

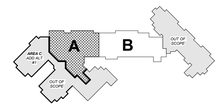
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

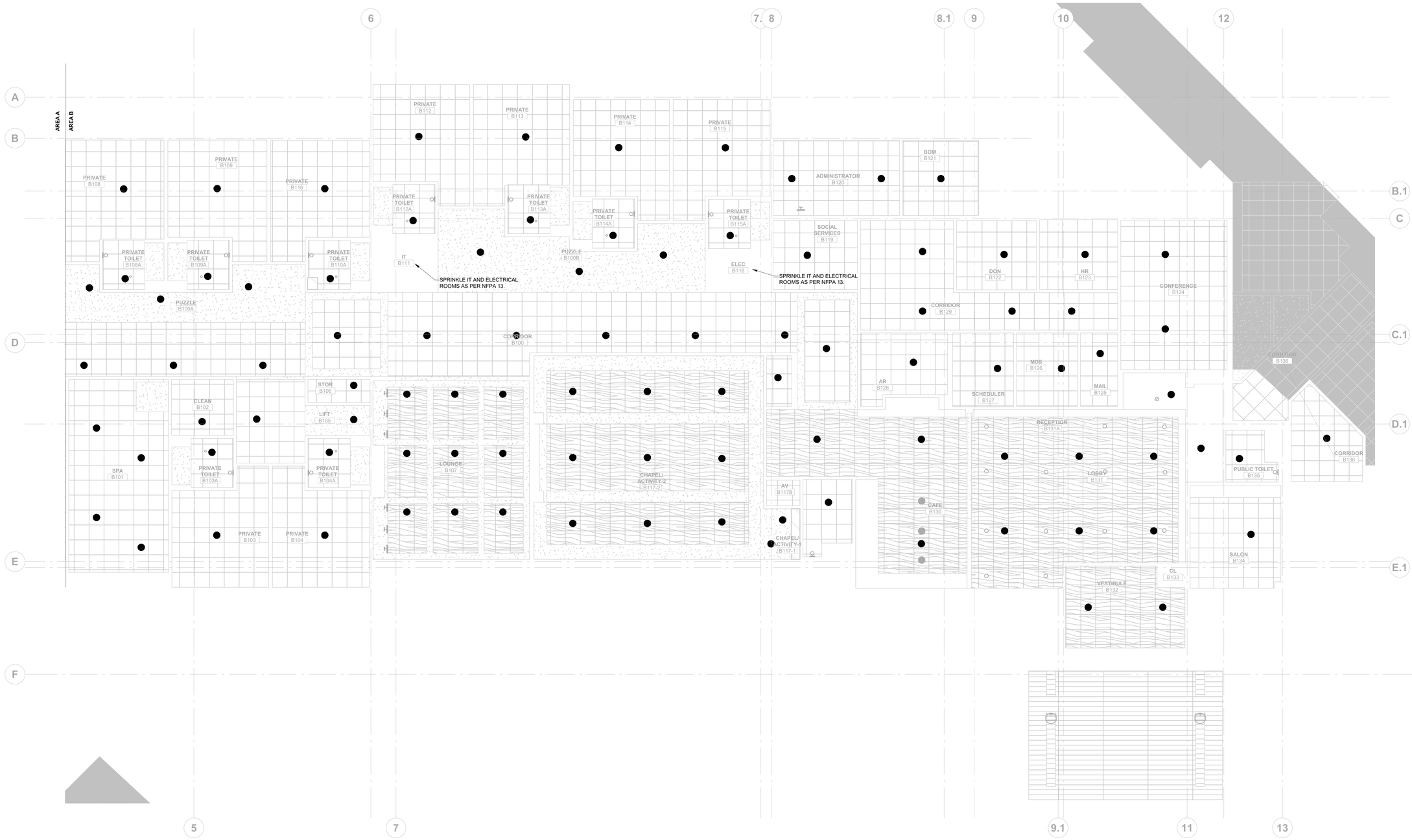
Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

North

FIRE PROTECTION PLAN - AREA A

Scale: 3/16" = 1'-0"

FP1.01A



1 FP1.01B FIRE PROTECTION PLAN - AREA B
3/16" = 1'-0"

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

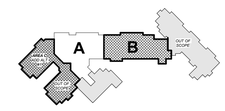
WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24

© 2024 by JB Electrical Design, PC



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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

North

FIRE PROTECTION PLAN - AREA B

Scale: 3/16" = 1'-0"

FP1.01B

Autodesk Docs://2024/Pelican Valley Senior Living Renovation/24039 Pelican Valley Senior Living Renovation_v24.rvt
1/28/2025 3:48:06 PM

MN

ABBREVIATIONS

A	AIR
ABS	ACRYLON, TRILE-BUTADIENE-STYRENE
A/C	ABOVE CEILING
AC	AIR CONDITIONING
ACP	ASBESTOR CEMENT PIPE
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
ALUM	ALUMINUM
AMP	AMPS
AP	ACCESS PANEL
ARCH	ARCHITECT
AS	AIR SEPARATOR
ASHRAE	AMERICAN SOCIETY OF HEATING REFRIGERATION AND AIR CONDITIONING ENGINEERS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
BD	BALANCING DAMPER
B/G	BELOW GRADE
BFP	BACKFLOW PREVENTER
BTU	BRITISH THERMAL UNIT
CA	COMBUSTION AIR
CAP	CAPACITY
CFM	CUBIC FEET PER MINUTE
CL	CENTER LINE
CLG	CEILING
CO	CLEANOUT
COMPT	COMPARTMENT
CONC	CONCRETE
COND	CONDENSATE
CONT	CONTINUED
CONTR	CONTRACTOR
CP	CONTROL PANEL
CW	DOMESTIC COLD WATER
CWR	CHILLED WATER RETURN
CWS	CHILLED WATER SUPPLY
D	DRYER
DB	DECIBEL
DIA	DIAMETER
DN	DOWN
DMPR	DAMPER
DS	DOWNSPOUT
DWG	DRAWING
EAT	ENTERING AIR TEMPERATURE
ECG	EGG CRATE GRILLE
EFF	EFFICIENCY
EJ	EXPANSION JOINT
ELEC	ELEFCTRICAL
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
EXIST	EXISTING
F	FAHRENHEIT
FA	FRESH AIR
FCO	FLOOR CLEAN OUT
FD	FIRE/SMOKE DAMPER OR FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FLEX	FLEXIBLE
FT	FLEET
FTG	FOOTING
FURN	FURNISHED
GA	GAUGE
GAL	GALLON
GC	GENERAL CONTRACTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HB	HOSE BIB
HFMD	HEATING FLOW MEASURING DEVICE
HP	HORSE POWER
HTG	HEATING
HTR	HEATER
HVAC	HEATING VENTILATING AND AIR CONDITIONG
HW	DOMESTIC HOT WATER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
HYD	HYDRANT
GCO	GRADE CLEANOUT
INSUL	INSULATION
INV	INVERT
KEC	KITCHEN EQUIPMENT CONTRACTOR
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LB	POUNDS
LIN	LINEAR
LWT	LEAVING WATER TEMPERATURE
M	METER
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
MFG	MANUFACTURER
MH	MANHOLE
MOD	MOTOR OPERATED DAMPER
MOTZ	MOTORIZED
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OFD	OVERFLOW DRAIN
OFCI	OWNER FURNISH CONTRACTOR INSTALLS
OFOI	OWNER FURNISH OWNER INSTALLS
PLBG	PLUMBING
PSIA	POUNDS/SQ INCH ABSOLUTE
PSIG	POUNDS/SQ INCH GAUGE
PVC	POLYVINYL CHLORIDE
RA	RETURN AIR OR RELIEF AIR
RD	ROOF DRAIN
RECIRC	RECIRCULATING
REF	REFERENCE ONLY
REG	REGISTER
REIN	REINFORCED
RET	RETURN
REQ	REQUIRED/REQUIREMENTS
RH	RELATIVE HUMIDITY
RHW	RECIRCULATED DOMESTIC HOT WATER
RL	RAIN LEADER
RLA	RELIEF AIR
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SAF	SUPPLY AIR FAN
SAN	SANITARY
SCW	SOFT COLD WATER
SD	SMOKE DAMPER
SIM	SIMILAR
SP	STATIC PRESSURE
SPECS	SPECIFICATIONS
SUP	SUPPLY
SQ	SQUARE
SS	SANITARY SEWER
ST	STORM DRAIN
STM	STEAM
SYS	SYSTEM
TEMP	TEMPERATURE
TOF	TOP OF FAN
TOD	TOP OF DECK
T-STAT	THERMOSTAT
TYP	TYPICAL
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
V	SANITARY VENT
(V)	VERIFY
VAC	VACUUM
VD	VOLUME DAMPER
VCP	VITRIFIED CLAY PIPE
VAC	VACUUM
VEL	VELOCITY
VTR	VENT THRU ROOF
W	WASHER
W/	WITH
W/O	WITHOUT
WCO	WALL CLEAN OUT
WFD	WATER FLOW DEVICE
WTR	WATER
WP	WATERPROOF OR WEATHER PROOF
MC	MECHANICAL CONTRACTOR
EC	ELECTRICAL CONTRACTOR
FP	FIRE PROTECTION CONTRACTOR

2018 IMC VENTILATION REQUIREMENTS

ROOM NUMBER	ROOM NAME	ROOM CLASSIFICATION	GROUP NO.	SQ. FT.	PEOPLE	CFM PER PERSON	CFM PER SQ. FT.	TOTAL
102	BARBER/BEAUTY	BARBER		120	3	7.5	0.06	30
103/105C	MAIL/CAFÉ	CONFERENCE/MEETING		436	22	5	0.06	137
105A	MULTIPURPOSE/CHAPEL	CONFERENCE/MEETING		500	25	5	0.06	155
107	CONFERENCE ROOM	CONFERENCE/MEETING		245	12	5	0.06	75
110	SOCIAL SERVICES	OFFICE SPACES		120	1	5	0.06	13
111	ADMIN	OFFICE SPACES		142	1	5	0.06	14
112	ACCOUNTS RECEIVABLE	OFFICE SPACES		120	1	5	0.06	13
113	BOM	OFFICE SPACES		100	1	5	0.06	11
115	MED REC	OFFICE SPACES		185	1	5	0.06	17
117	SCHEDULER	OFFICE SPACES		100	1	5	0.06	11
118	MDS	OFFICE SPACES		100	1	5	0.06	11
119	OPEN OFFICE	OFFICE SPACES		100	1	5	0.06	11
121	DON	OFFICE SPACES		120	1	5	0.06	13
122	RESIDENT UNIT	BEDROOM/LIVING ROOM		185	2	5	0.06	22
123	RESIDENT UNIT	BEDROOM/LIVING ROOM		185	2	5	0.06	22
124	RESIDENT UNIT	BEDROOM/LIVING ROOM		185	2	5	0.06	22
125	RESIDENT UNIT	BEDROOM/LIVING ROOM		185	2	5	0.06	22
126	RESIDENT UNIT	BEDROOM/LIVING ROOM		185	2	5	0.06	22
127	RESIDENT UNIT	BEDROOM/LIVING ROOM		185	2	5	0.06	22
128	RESIDENT UNIT	BEDROOM/LIVING ROOM		185	2	5	0.06	22
129	RESIDENT UNIT	BEDROOM/LIVING ROOM		185	2	5	0.06	22
130	RESIDENT UNIT	BEDROOM/LIVING ROOM		185	2	5	0.06	22
131	SPA	SWIMMING POOLS (POOL AND DECK AREA)		300	---	---	0.48	144
132	RESIDENT UNIT	BEDROOM/LIVING ROOM		185	2	5	0.06	22
133	REHAB	HEALTH CLUB/WEIGHTROOM		480	5	20	0.06	129
134	RESIDENT UNIT	BEDROOM/LIVING ROOM		185	2	5	0.06	22
136	RESIDENT UNIT	BEDROOM/LIVING ROOM		185	2	5	0.06	22
137	FAMILY ROOM/LOUNGE	CONFERENCE ROOMS		500	25	5	0.06	155
138	RESIDENT UNIT	BEDROOM/LIVING ROOM		185	2	5	0.06	22
139	CLEAN UTILITY	COIN-OPERATED LAUNDRIES		65	1	7.5	0.12	16
140	RESIDENT UNIT	BEDROOM/LIVING ROOM		185	2	5	0.06	22
141	SOILED UTILITY	COIN-OPERATED LAUNDRIES		75	2	7.5	0.12	24
143	STAFF BREAK ROOM	CONFERENCE/MEETING		645	32	5	0.06	199
143A	MOTHER'S ROOM	OFFICE SPACES		100	1	5	0.06	11
144	LOBBY	LOBBIES/PREFUNCTION		935	28	7.5	0.06	267
145	PREP KITCHEN	KITCHENS (COOKING)		477	10	7.5	0.12	133
146	DINING	DINING ROOMS		1105	77	7.5	0.18	777
147	RN 1	OFFICE SPACES		100	1	5	0.06	11
148	RN 2	OFFICE SPACES		100	1	5	0.06	11
149	ACTIVITIES DIRECTOR	OFFICE SPACES		125	1	5	0.06	13
	HALLWAY	CORRIDORS		4828	---	---	0.06	290
							TOTAL VENTILATION	2999

					SHOWER	WATER CLOSET	URINAL	TOTAL
	WOMENS	RESTROOM (PUBLIC)	TOTAL	1	0	1	0	50
	MENS	RESTROOM (PUBLIC)	TOTAL	1	0	1	0	50
							TOTAL EXHAUST	100

PLUMBING GENERAL NOTES

THE FOLLOWING NOTES APPLY TO ALL MECHANICAL SHEETS:

1. ALL EQUIPMENT SHALL BE UL TESTED AND BEAR UL STAMP.
2. ROUTE ALL PLUMBING PIPING PARALLEL TO BUILDING LINES UNLESS OTHERWISE NOTED.
3. ALL PLUMBING PIPING SHALL BE CONCEALED ABOVE SUSPENDED CEILINGS AND IN MECHANICAL CHASES UNLESS NOTED OR INDICATED OTHERWISE. PLUMBING PIPING SHALL BE EXPOSED IN ROOMS WITHOUT CEILINGS. EXPOSED PIPING AND DUCTWORK IN FINISHED SPACES SHALL BE PAINTED TO MATCH WALL OR CEILING AS APPROVED BY ARCHITECT/OWNER. THE PAINTING SHALL BE DONE BY THE CONTRACTOR INSTALLING THE PLUMBING PIPING UNLESS OTHERWISE APPROVED BY ARCHITECT.
4. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR SLEEVES AND/OR OPENINGS REQUIRED TO INSTALL PLUMBING PIPES THROUGH FOUNDATIONS, FLOOR SLAPS, WALLS, BEAMS AND ROOF.
5. CEILING ACCESS SHALL BE PROVIDED AT ALL VALVES, WHERE ACCESS IS REQUIRED TO SPACE ABOVE INACCESSIBLE CEILINGS, CEILING ACCESS DOORS 9VERIFY RATING WITH ARCHITECTS PLANS) SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE.
6. COORDINATE WITH OTHER TRADES TO PREVENT CONFLICTS WITH THE INSTALLATION OF MECHANICAL WORK. PROVIDE ADEQUATE SPACE FOR EQUIPMENT SERVICING AND COMPONENT REPLACEMENT.
7. DOMESTIC PIPING, DRAIN PIPING AND PLUMBING PIPING SHALL BE COORDINATED WITH OTHER TRADES BEFORE BEING INSTALLED. ALL EQUIPMENT SHALL BE INSTALLED WITH ACCORDANCE WITH ARCHITECTURAL REFLECTED CEILING PLANS. FAILURE TO COORDINATE WORK WILL BE REDONE AT THE EXPENSE OF THE CONTRACTOR.
8. SEAL ALL SPACE AROUND PLUMBING PIPING PENETRATIONS OF WALLS AND FLOORS WITH FIRESTOPPING MATERIAL. ALSO SEAL ALL EXTERIOR WALL AND ROOF PENETRATIONS WATERTIGHT.
9. ALL MOTORS SHALL BE MOUNTED SO THAT THE NAMEPLATE CAN BE READ WITHOUT REMOVING THE MOTOR FROM ITS MOUNTING.
10. PROVIDE HOUSEKEEPING PADS BELOW FLOOR MOUNTED EQUIPMENT. PADS ARE TO BE REINFORCED CONCRETE 4" THICK AND 3" BEYOND UNIT EDGES IN ALL DIRECTIONS.
11. PROVIDE SLEEVES WHERE NEEDED FOR PLUMBING WORK. COORDINATE LOCATION OF SLEEVES AND HOLD OUTS REQUIRED WITH THE GENERAL CONTRACTOR PRIOR TO SETTING OF FORMS, WALLS AND OTHER STRUCTURAL MEMBERS.
12. PROVIDE OFFSETS AND TRANSITIONS AS MAY BE REQUIRED TO INSTALL PLUMBING PIPING.
13. CUTTING, DEMOLITION, AND PATCHING OF WALLS, FLOOR, AND REMOVAL AND REPLACEMENT OF CEILINGS, REQUIRED TO INSTALL PLUMBING PIPING, ARE TO BE COORDINATED BY, AND PAID FOR BY THE MECHANICAL CONTRACTOR.
14. THIS CONTRACTOR SHALL PROVIDE COMPLETE FIRE CAULKING FOR ALL WALL FLOOR AND CEILING PENETRATIONS. THIS INCLUDES ALL PLUMBING PIPING, CONTROL WIRING AND CONDUIT, NECESSITATED BY HIS WORK.
15. AFTER FLUSHING THE DOMESTIC WATER PIPING, THE PIPING SHALL BE FILLED WITH A WATER/CHLORINE SOLUTION CONTAINING AT LEAST 200 PPM OF CHLORINE AND THE SYSTEM ALLOWED TO STAND FOR THREE HOURS.
16. DOMESTIC WATER SERVICE PIPING SHALL BE THOROUGHLY FLUSHED AND TESTED WITH 125 PSIG HYDROSTATIC TEST FOR EIGHT (8) HOURS MINIMUM, IN ACCORDANCE WITH ALL STATE, NATIONAL AND LOCAL PLUMBING CODES.
17. SANITARY SEWER AND VENT PIPING SHALL BE TESTED IN ACCORDANCE WITH NATIONAL, STATE, AND LOCAL PLUMBING CODES. ALL POINTS SHALL BE PLUGGED AND FILLED WITH WATER TO UPPERMOST OUTLET. SYSTEM SHALL STAND FULL OF WATER FOR 24 HOURS OR BE TESTED WITH A 5 PSI AIR TEST FOR 15 MINUTES WITH NO INDICATION OF LEAKS.
18. ALL GAS PIPING SHALL BE AIR TESTED IN ACCORDANCE WITH LOCAL CITY CODES, BUT IN NO CASE LESS THAN 25 POUND AIR TEST FOR THIRTY (30) MINUTES AT THE COMPLETION OF THE WORK. THE INSTALLATION SHALL BE IN ACCORDANCE WITH THE NATIONAL BOARD OF FIRE UNDERWRITERS AND ALL STATE AND LOCAL CODES.
19. NO DOUBLE WYE DRAINAGE FITTINGS SHALL BE USED IN THE HORIZONTAL POSITION.
20. GATE VALVES AND CHECK VALVES ON SUMP PUMPS AND SEWAGE EJECTORS SHALL BE INSTALLED ABOVE THE SUMPS.
21. A FULL SIZE VENT STACK (3" MINIMUM) SHALL BE PROVIDED CONTINUOUS FROM ITS BASE THROUGH THE ROOF TERMINAL. THIS VENT SHALL BE THE MOST REMOTE STACK FROM THE LOCATION WHERE THE BUILDING DRAIN LEAVES THE BUILDING.
22. FIXTURE DRAIN LINES MUST CONNECT TO THE VERTICAL SANITARY DRAIN WITH A TEE CONNECTION RATHER THAN A WYE CONNECTION.
23. BUILDING STORM SEWERS SHALL BE SLOPED A MINIMUM 1/8" PER FOOT UNLESS OTHERWISE NOTED ON APPROVED PLANS.
24. ABOVE GRADE HORIZONTAL RUNS OF PLASTIC WASTE AND VENT PIPE CANNOT EXCEED 35 FEET IN TOTAL LENGTH. ABOVE GRADE VERTICAL STACKS CONSTRUCTED OF PLASTIC PIPE MAY EXCEED 35 FEET IN TOTAL HEIGHT ONLY IF AN APPROVED EXPANSION JOINT IS USED.
25. SOLVENT WELD JOINTS IN PVC AND CPVC PIPE MUST INCLUDE USE OF A PRIMER WHICH IS OF CONTRASTING COLOR TO THE PIPE AND CEMENT.
26. PROVIDE ADDITIONAL VOLUME DAMPERS AS REQUIRED FOR BALANCING INDICATED AIRFLOW.
27. ROUGH-IN FOR AND CONNECT HOT AND COLD WATER, WASTE AND VENT TO ALL FIXTURES AND EQUIPMENT FURNISHED BY OTHERS SUCH AS ICE MACHINES, WASHERS ETC. THIS CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXACT REQUIREMENTS AND LOCATIONS AND FOR PROVIDING ALL TRAPS, TAILPIECES, VALVES AND SUPPLIES FOR EACH ITEM OF EQUIPMENT.
28. REFER TO FLOOR PLANS FOR MAIN SIZES NOT SHOWN ON HOT AND COLD WATER AND WASTE AND VENT PIPING DIAGRAMS.
29. ROOFING REPAIRS FOR THE INSTALLATION OF MECHANICAL EQUIPMENT SHALL BE BY MECHANICAL. RUBBER ROOFING SHALL BE REPAIRED BY A CERTIFIED INSTALLER SO THAT ROOFING WARRANTY IS NOT VOIDED.
30. PLUMBING SHALL BE IN STRICT ACCORDANCE TO ALL STATE AND LOCAL PLUMBING CODES. PROVIDE AND INSTALL BACKWATER VALVE IF REQUIRED BY STATE OR LOCAL CODE.
31. PLUMBING CONTRACTOR TO COORDINATE EXACT LOCATION OF TUB AND SHOWER VALVE AND HEAD LOCATIONS WITH ARTHITECTURAL PLANS PRIOR TO INSTALL.
32. THIS SET OF DRAWINGS COMPRISE THE CONTRACT DOCUMENTS FOR THIS PROJECT AND AS SUCH EACH DISCIPLINE'S DRAWING SHEETS (ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, CIVIL, AND SPECIALTY) SHALL BE REFERRED TO AND COORDINATED WITH EACH OTHER. IF CONFLICTS ARE NOTED BETWEEN THE DISCIPLINES, THEY ARE TO BE BROUGHT TO THE ARCHITECT OF RECORD'S ATTENTION TO BE RESOLVED. IT IS ESPECIALLY IMPORTANT TO REFERENCE AND COORDINATE WITH THE ARCHITECTURAL DRAWINGS.

GENERAL NOTES - HVAC

THE FOLLOWING NOTES APPLY TO ALL MECHANICAL SHEETS:

1. ALL EQUIPMENT SHALL BE UL TESTED AND BEAR UL STAMP.
2. ROUTE ALL PLUMBING PIPING PARALLEL TO BUILDING LINES UNLESS OTHERWISE NOTED.
3. ALL HEATING PIPING, COOLING PIPING AND DUCTWORK SHALL BE CONCEALED ABOVE SUSPENDED CEILINGS AND IN MECHANICAL CHASES UNLESS NOTED OR INDICATED OTHERWISE. PIPING AND DUCTWORK SHALL BE EXPOSED IN ROOMS WITHOUT CEILINGS. EXPOSED PIPING AND DUCTWORK IN FINISHED SPACES SHALL BE PAINTED TO MATCH WALL OR CEILING AS APPROVED BY ARCHITECT/OWNER. THE PAINTING SHALL BE DONE BY THE CONTRACTOR INSTALLING THE PIPING OR DUCTWORK UNLESS OTHERWISE APPROVED BY ARCHITECT.
4. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR SLEEVES AND/OR OPENINGS REQUIRED TO INSTALL PIPES AND DUCTS THROUGH FOUNDATIONS, FLOOR SLABS, WALLS, BEAMS AND ROOF.
5. CEILING ACCESS SHALL BE PROVIDED AT ALL VALVES, FIRE DAMPERS, SMOKE DAMPERS, FIRE/SMOKE DAMPERS, MANUAL AND MOTORIZED DAMPERS, AND OTHER ITEMS REQUIRING SERVICE OR INSPECTION. WHERE ACCESS IS REQUIRED TO SPACE ABOVE INACCESSIBLE CEILINGS, CEILING ACCESS DOORS SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR UNLESS NOTED OTHERWISE.
6. COORDINATE WITH OTHER TRADES TO PREVENT CONFLICTS WITH THE INSTALLATION OF MECHANICAL WORK. PROVIDE ADEQUATE SPACE FOR EQUIPMENT SERVICING AND COMPONENT REPLACEMENT.
7. DIFFUSERS, REGISTERS, GRILLES, COOLING PIPING, DRAIN PIPING, HEATING PIPING, HEATING PUMPS AND FANS ALL BE COORDINATED WITH OTHER TRADES BEFORE BEING INSTALLED. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH ARCHITECTURAL REFLECTED CEILING PLANS. FAILURE TO COORDINATE WORK WILL BE REDONE AT THE EXPENSE OF THE CONTRACT
8. SEAL ALL SPACE AROUND PIPING, WIRING AND DUCTWORK PENETRATIONS OF WALLS AND FLOORS WITH FIRESTOPPING MATERIAL. SEAL ALL EXTERIOR WALL AND ROOF PENETRATIONS WATERTIGHT.
9. THE NEW AIR HANDLING UNITS, HEAT PUMPS AND OTHER HEATING EQUIPMENT SHALL NOT BE USED FOR TEMPORARY HEAT. CONTRACTOR SHALL COVER DUCTWORK OPENINGS DURING CONSTRUCTION WITH 4MIL-POLY SHEETING, UNTIL THE TERMINAL DEVICES (LOUVER, DIFFUSER OR REGISTER'S) ARE IN PLACE.
10. PROVIDE A WATERTIGHT DRAIN PAN THAT HAS A MINIMUM DEPTH OF 2 INCHES AT OUTSIDE AIR INTAKE CHAMBERS, RELIEF HOODS AND POWER ROOF VENTILATORS.
11. ALL HEAT PUMPS AND FAN UNITS SHALL BE PERMANENTLY MARKED TO CLEARLY IDENTIFY THE AREA SERVED.
12. ALL MOTORS SHALL BE MOUNTED SO THAT THE NAMEPLATE CAN BE READ WITHOUT REMOVING THE MOTOR FROM ITS MOUNTING.
13. CONTRACTOR SHALL GIVE 7 DAY NOTICE TO THE ENGINEER TO WITNESS DUCT LEAKAGE TESTS ON SUPPLY, RETURN AND EXHAUST SYSTEMS. THE DESIGN ENGINEER AND OWNER SHALL DETERMINE THE FREQUENCY AND EXTENT OF TESTING IF ANY TESTS FAIL.
14. THE TRAP FOR AIR HANDLING UNIT COIL DRAIN PANS SHALL BE DESIGNED TO HANDLE THE MAXIMUM STATIC PRESSURE OF THE SYSTEM. THE WATER SHALL FLOW OUT OF THE PAN AT THE SPECIFIED MAXIMUM STATIC PRESSURE WITHOUT THE PAN OVERFLOWING.
15. PROVIDE HOUSEKEEPING PADS BELOW FLOOR MOUNTED EQUIPMENT. PADS ARE TO BE REINFORCED CONCRETE 4" THICK AND 3" BEYOND UNIT EDGES IN ALL DIRECTIONS.
16. PROVIDE SLEEVES WHERE NEEDED FOR MECHANICAL WORK. COORDINATE LOCATION OF SLEEVES AND HOLD OUTS REQUIRED WITH THE GENERAL CONTRACTOR PRIOR TO SETTING OF FORMS, WALLS, AND OTHER STRUCTURAL MEMBERS.
17. PROVIDE OFFSETS AND TRANSITIONS AS MAY BE REQUIRED TO INSTALL DUCTWORK AND PIPING. IF DUCTWORK HAS TO BE RECONFIGURED TO FIT WITHIN SPACE, IT SHALL BE RESIZED TO EQUAL FRICTION LOSS. INSTALL DUCTWORK AND PIPING WITHIN THE JOIST SPACE WHERE REQUIRED TO PERMIT INSTALLATION OF ALL WORK AND ALLOWANCES FOR WORK OF OTHER TRADES.
18. CUTTING, DEMOLITION AND PATCHING OF WALLS, FLOOR AND REMOVAL AND REPLACEMENT OF CEILINGS, REQUIRED TO INSTALL MECHANICAL EQUIPMENT, ARE TO BE COORDINATED BY, AND PAID FOR BY THE MECHANICAL CONTRACTOR.
19. THIS CONTRACTOR SHALL PROVIDE COMPLETE FIRE CAULKING FOR ALL WALL, FLOOR AND CEILING PENETRATIONS. THIS INCLUDES ALL COOLING, HEATING AND PROCESS PIPING, CONTROL WIRING AND CONDUIT, ALL DUCTWORK, BREECHING, AIR INTAKE PENETRATIONS ETC. NECESSITATED BY HIS WORK.
20. ALL GAS PIPING SHALL BE AIR TESTED IN ACCORDANCE WITH LOCAL CITY CODES, BUT IN NO CASE LESS THAN 25 POUND AIR TEST FOR THIRTY (30) MINUTES AT THE COMPLETION OF THE WORK. THE INSTALLATION SHALL BE IN ACCORDANCE WITH THE NATIONAL BOARD OF FIRE UNDERWRITERS AND ALL STATE AND LOCAL CODES.
21. PROVIDE ADDITIONAL VOLUME DAMPERS AS REQUIRED FOR BALANCING INDICATED AIRFLOWS.
22. ROOFING REPAIRS FOR THE INSTALLATION OF MECHANICAL EQUIPMENT SHALL BE BY MECHANICAL. RUBBER ROOFING SHALL BE REPAIRED BY A CERTIFIED INSTALLER SO THAT ROOFING WARRANTY IS NOT VOIDED.
23. THERMOSTATS IN PUBLIC AREA TO HAVE LOCK-OUT CAPABILITIES OR LOCKABLE THERMOSTAT COVER WITH GUARD.
24. THIS SET OF DRAWINGS COMPRISE THE CONTRACT DOCUMENTS FOR THIS PROJECT AND AS SUCH EACH DISCIPLINE'S DRAWING SHEETS (ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, CIVIL, AND SPECIALTY) SHALL BE REFERRED TO AND COORDINATED WITH EACH OTHER. IF CONFLICTS ARE NOTED BETWEEN THE DISCIPLINES THEY ARE TO BE BROUGHT TO THE ARCHITECT OF RECORD'S ATTENTION TO BE RESOLVED. IT IS ESPECIALLY IMPORTANT TO REFERENCE AND COORDINATE WITH THE ARCHITECTURAL DRAWINGS.

GENERAL MECHANICAL DEMOLITION NOTES

THE FOLLOWING NOTES APPLY TO ALL MECHANICAL SHEETS:

1. OWNER HAS FIRST POSSESSION OF ANY AND ALL MECHANICAL EQUIPMENT AND ITEMS BEING REMOVED. IF OWNER DESIRES TO KEEP FIXTURES OR ANY REMOVED ITEMS, STORE WHERE DIRECTED BY OWNER. DISPOSE PROPERLY ANY ITEMS THE OWNER DOES NOT DESIRE TO KEEP.
2. DEMOLITION DRAWINGS AND COOPERATIVE IN NATURE. DRAWINGS WERE DEVELOPED USING RECORD DRAWINGS AND ON SITE INVESTIGATIONS. THE MECHANICAL CONTRACTOR (M.C.) IS RESPONSIBLE TO VISIT THE SITE TO VERIFY AND INVESTIGATE ALL CONDITIONS APPLICABLE FOR COMPLETION OF THE CONSTRUCTION WORK. A THOROUGH ON-SITE ANALYSIS OF EXISTING CONDITIONS PRIOR TO STARTING WORK TO ASCERTAIN THE FULL SCOPE OF THE DEMOLITION WORK IS REQUIRED.
3. THE M.C. IS TO REPORT TO THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES OR DISCOVERIES ARE MADE DURING THE DEMOLITION PROCESS THAT CONFLICT WITH THE DRAWINGS.
4. M.C. SHALL CONTACT THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES, ERRORS, OR OMMISSIONS DISCOVERED IN THE DRAWINGS OR SPECIFICATIONS PRIOR TO PROCEEDING WITH THE WORK. OTHERWISE CORRECTION OF SUCH ITEMS IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ANY WALLS, SURFACES, DOORS, FINISHES, ETC. TO REMAIN THAT ARE DAMAGED BY THE M.C. DURING CONSTRUCTION MUST BE PATCHED, REPAIRED OR REPLACED TO MATCH THE ADJACENT SURFACES.
6. M.C. TO PATCH HOLES IN WALLS AND/OR CEILINGS LEFT BY DEMOLISHED MECHANICAL EQUIPMENT AND PIPING TO MATCH ADJACENT SURFACES.
7. ALL WORK REQUIRING EXTENDED INCONVENIENCE TO THE OWNER SHALL BE COORDINATED WITH OWNER 7 DAYS PRIOR TO THE COMMENCEMENT OF WORK.
8. REMOVE ALL ABANDONED OR UNUSED PIPE AND MATERIAL FROM PROJECT AND DISPOSE OF PROPERLY.

PRIOR APPROVAL SPECIFICATION

MANUFACTURERS' TRADE NAMES AND CATALOG NUMBERS LISTED ARE INTENDED TO INDICATE THE QUALITY OF EQUIPMENT OR MATERIALS DESIRED. MANUFACTURERS NOT LISTED MUST HAVE PRIOR APPROVAL. WRITTEN PRIOR APPROVAL MUST BE OBTAINED FROM THE ARCHITECT/ENGINEER PRIOR TO BID OPENING. REQUESTS ARE TO BE SUBMITTED SUFFICIENTLY AHEAD OF THE DEADLINE TO GIVE AMPLE TIME FOR EXAMINATION. THE ITEMS APPROVED WILL BE LISTED IN AN ADDENDUM AND ONLY THIS LIST OF EQUIPMENT WILL BE ACCEPTED IN LIEU OF SPECIFIED PRODUCTS. SUBMITTALS MUST INDICATE THE SPECIFIC ITEM OR ITEMS TO BE FURNISHED IN LIEU OF THOSE SPECIFIED, TOGETHER WITH COMPLETE TECHNICAL AND COMPARATIVE DATA ON SPECIFIED ITEMS AND PROPOSED ITEMS.

TEMPERATURE CONTROL NOTES

ALL CONTROL WIRING, LINE VOLTAGE WIRING, CONDUIT, ETC. ASSOCIATED WITH THE TEMPERATURE CONTROLS SHALL BE FURNISHED AND INSTALLED BY THE ATC. IF THE ATC DOES NOT HAVE A STAFFED ELECTRICIAN, THE WORK SHALL BE SUBBED OUT AND INCLUDED IN THE ATC PRICE.

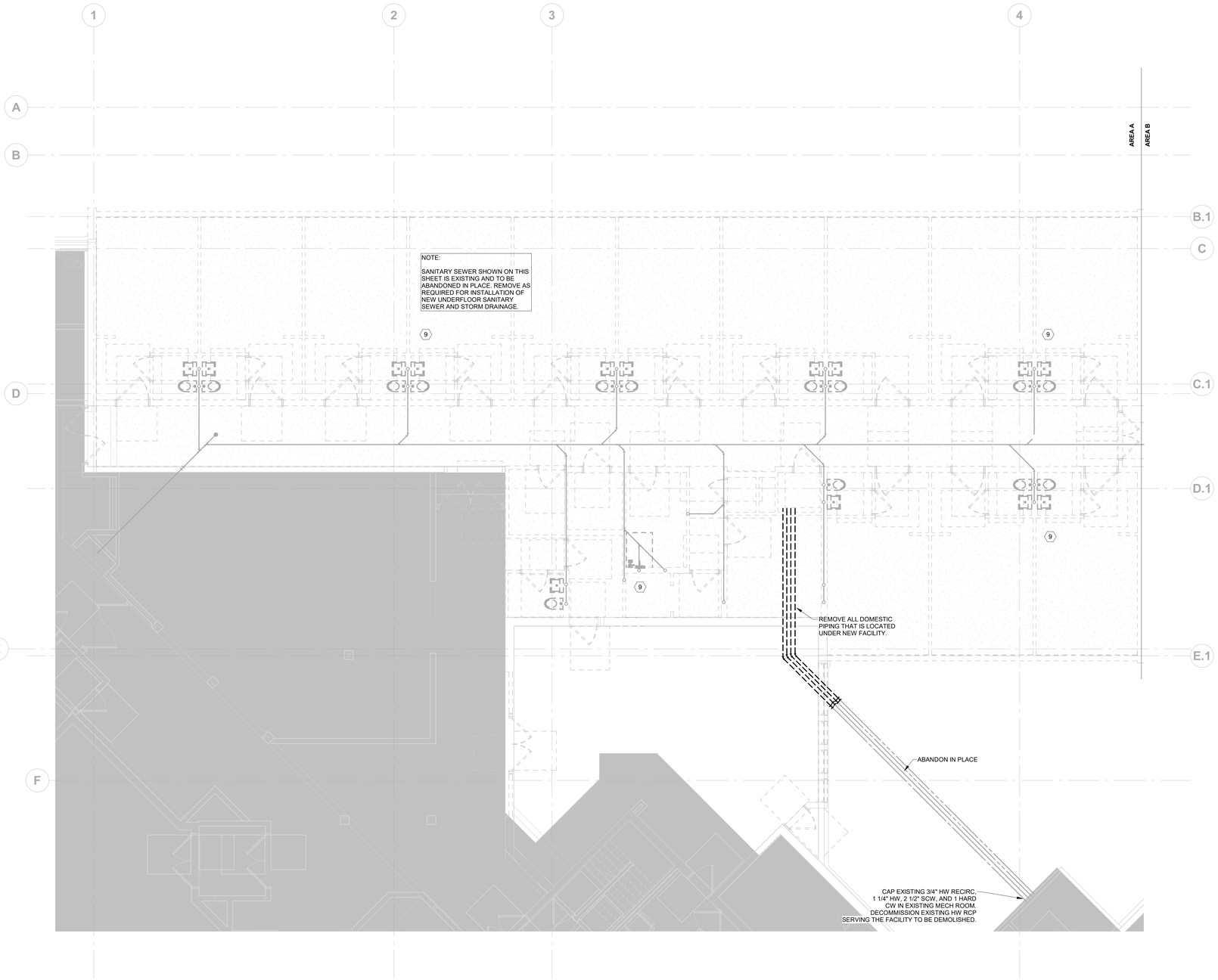
MECHANICAL PIPING SYMBOLS

	COLD WATER PIPING
	HOT WATER PIPING
	CIRCULATING HOT WATER PIPING
RO	REVERSE OSMOSIS WATER PIPING
SAN	SANITARY PIPING
	UNDERGROUND SANITARY PIPING
COND	CONDENSATE PIPING
	VENT PIPE ABOVE GRADE
HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN
CWS	CHILLED WATER SUPPLY
CWR	CHILLED WATER RETURN
HP STM	HIGH PRESSURE STEAM
LP STM	LOW PRESSURE STEAM
STM	STEAM
A	COMPRESSED AIR
G	GAS
OX	OXYGEN
V	VACUUM
RD	ROOF DRAIN
FOS	FUEL OIL SUPPLY
FOR	FUEL OIL RETURN
	PUMP
	PIPE DOWN
	PIPE UP
	BOTTOM PIPE TAKE-OFF
	TOP PIPE TAKE-OFF
	CAPPED PIPE
	BALL VALVE
	GATE VALVE
	CHECK VALVE
	BACKFLOW PREVENTER
	BALANCING VALVE
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	UNION
	SAFETY VALVE
	2-WAY MODULATING CONTROL VALVE
	3-WAY MODULATING CONTROL VALVE
	WATER FLOW MEASURING DEVICE
	STRAINER
	PRESSURE GAUGE
	FLEX CONNECTION
T	THERMOSTAT
TN	NIGHT THERMOSTAT
	FLOAT SWITCH
	FLOOR DRAIN
	POINT OF CONNECTION (POC)
	POINT OF DISCONNECTION (PODC)

MECHANICAL SYMBOLS

24x12	RECTANGULAR DUCT WITH ACOUSTICAL LINING
	FLEXIBLE CONNECTION IN DUCT
	SIDEWALL GRILLE OR REGISTER WITH TYPE, NECK SIZE, AND AIRFLOW INDICATED (SUPPLY)
IS-1 18x10 400	SIDEWALL GRILLE OR REGISTER WITH TYPE, NECK SIZE, AND AIRFLOW INDICATED (RETURN)
IR-1 18x10 400	SUPPLY REGISTER OR GRILLE
	EXHAUST OR RETURN REGISTER OR GRILLE
	SQUARE ELBOW WITH TURNING VANES
	STANDARD RADIUS ROUND ELBOW (RADIUS OF CENTERLINE OF DUCT EQUAL TO 1.5 x DUCT WIDTH OR DIAMETER)
	DEMOLITION WORK INDICATED BY CROSSHATCHED LINES OVER ITEMS TO BE REMOVED AS NOTED
	MANUAL VOLUME DAMPER
F	FIRE DAMPER (FD)
S	SMOKE DAMPER (SD)
F/S	COMBINATION FIRE/SMOKE DAMPER (F/S)
M	MOTOR OPERATED DAMPER
	RECTANGULAR DUCT TO CEILING DIFFUSER
	FLEXIBLE ROUND DUCT TO CEILING DIFFUSER
	DASHED LINE INDICATES EQUIPMENT ON ROOF
(UP) (DN)	POSITIVE PRESSURE DUCT - SUPPLY, RELIEF, ETC.
(UP) (DN)	NEGATIVE PRESSURE DUCT - RETURN, EX

MN



1 / M1.00A UNDERFLOOR PLUMBING DEMOLITION PLAN - AREA A
3/16" = 1'-0"

PLUMBING DEMOLITION NOTES:

1. REMOVE EXISTING LAVATORY, FAUCET, AND ALL ASSOCIATED PIPING AND VALVES. DISPOSE OF PROPERLY.
2. REMOVE EXISTING WATER CLOSET, FLUSH VALVE, AND ALL ASSOCIATED PIPING AND VALVES. DISPOSE OF PROPERLY.
3. REMOVE EXISTING SINK, FAUCET, AND ALL ASSOCIATED PIPING AND VALVES. DISPOSE OF PROPERLY.
4. REMOVE EXISTING CLINICAL SERVICE SINK, FLUSH VALVE, AND ALL ASSOCIATED PIPING AND VALVES. DISPOSE OF PROPERLY.
5. REMOVE EXISTING SHOWER VALVE AND ALL ASSOCIATED PIPING AND VALVES. REMOVE FLOOR DRAIN. DISPOSE OF PROPERLY.
6. REMOVE EXISTING MOP BASIN, FAUCET, AND ALL ASSOCIATED PIPING AND VALVES. DISPOSE OF PROPERLY.
7. REMOVE EXISTING ROOF DRAIN, DOWNSPOUT NOZZLE, AND ALL ASSOCIATED PIPING. DISPOSE OF PROPERLY.
8. REMOVE EXISTING WALL HYDRANT AND ALL ASSOCIATED PIPING AND VALVES. DISPOSE OF PROPERLY.
9. EXISTING SANITARY UNDERFLOOR SERVING EXISTING FIXTURES WILL BE ABANDONED IN PLACE. REMOVE AND DISPOSE OF EXISTING SANITARY SEWER THAT CONFLICTS WITH NEW SANITARY SEWER SERVING NEW FIXTURES.
10. REMOVE COLD WATER, HOT WATER, HOT WATER RECIRC, VENT AND RAINWATER LEADERS ABOVE FIRST FLOOR CEILING. DISPOSE OF PROPERLY. ALL COLD WATER, HOT WATER, HOT WATER RECIRC, VENT, AND SANITARY SEWER PIPING REMAINING IN WALLS SHALL BE REMOVED BY GENERAL CONTRACTOR.

M

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 Pelican Valley Senior Living Renovation_R23.rvt
1/28/2025 3:48:38 PM

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

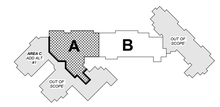
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

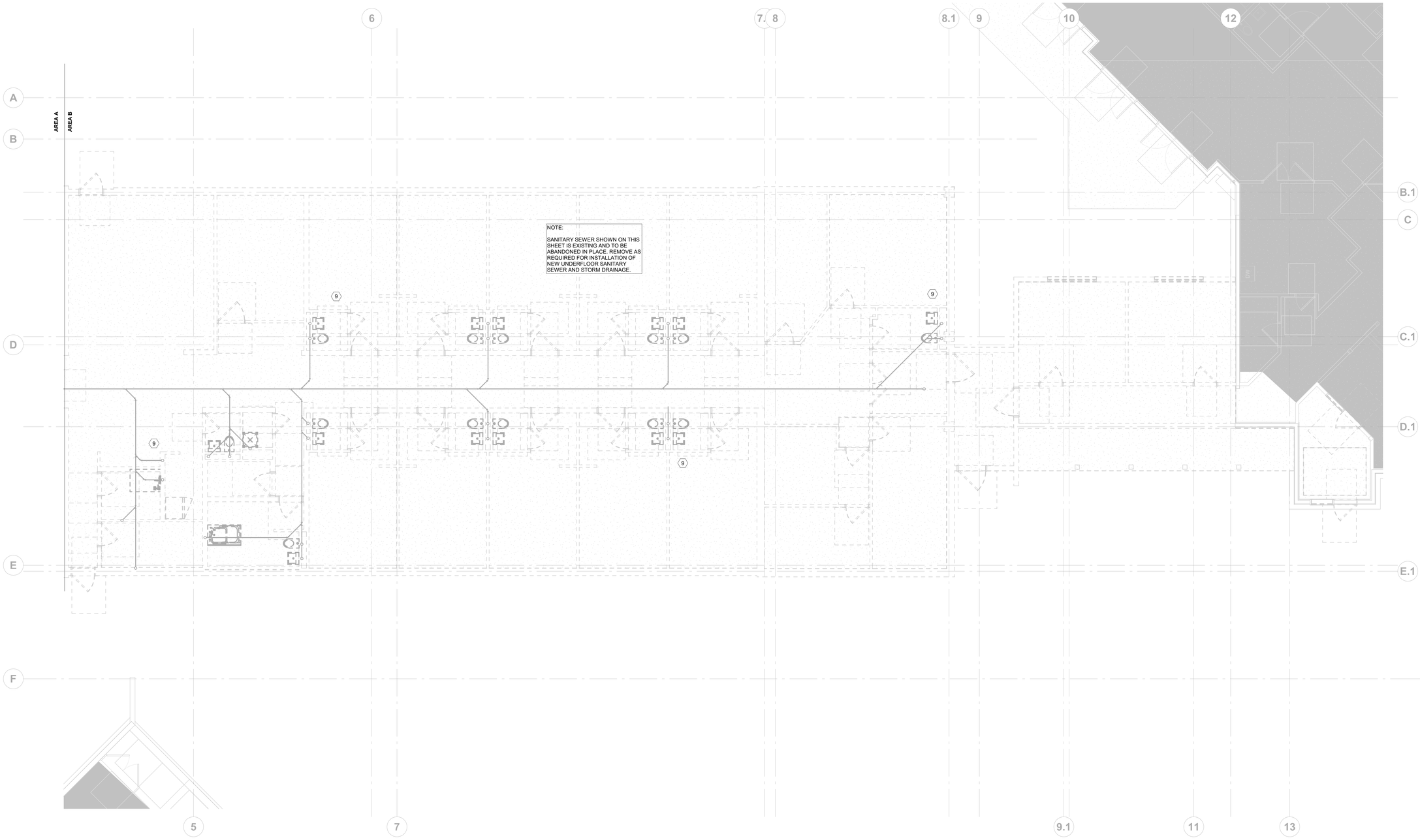
Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

North

PLUMBING DEMOLITION PLAN - UNDERGROUND AREA A

Scale: As indicated

M1.00A



1 M1.00B UNDERFLOOR PLUMBING DEMOLITION PLAN - AREA B
3/16" = 1'-0"

Pelican Valley Senior Living Renovation
211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-292-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24

© 2024 by JB Electrical Design, PC

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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

North

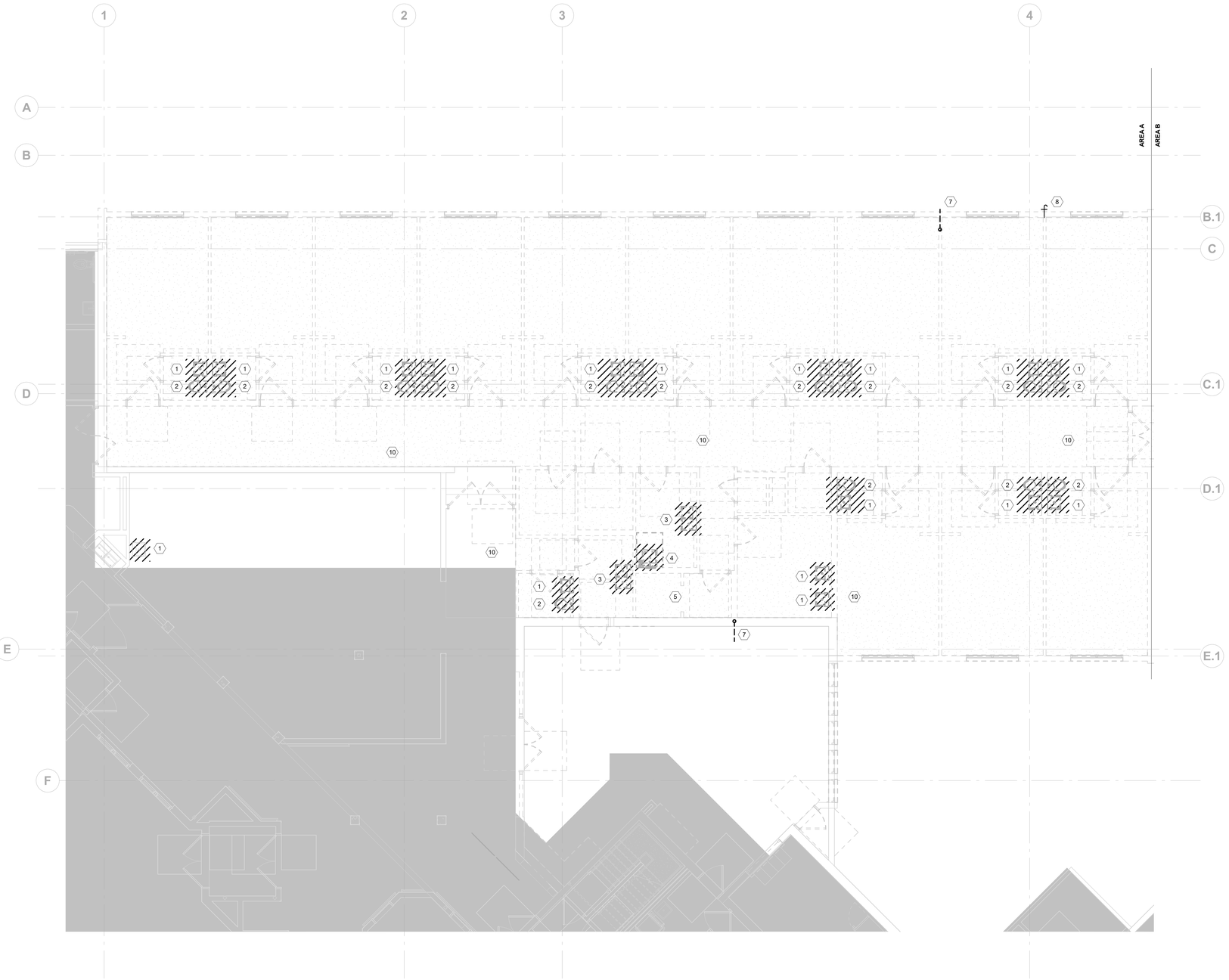
PLUMBING DEMOLITION PLAN - UNDERGROUND AREA B

Scale: 3/16" = 1'-0"

M1.00B

Submitted Plans 20250128 - Pelican Valley Senior Living Renovation\246039 Pelican Valley Senior Living Renovation_v23.rvt
1/28/2025 9:48:58 PM

MN



1 M1.01A FIRST FLOOR PLUMBING DEMOLITION PLAN - AREA A
3/16" = 1'-0"

M

PLUMBING DEMOLITION NOTES:

1. REMOVE EXISTING LAVATORY, FAUCET, AND ALL ASSOCIATED PIPING AND VALVES. DISPOSE OF PROPERLY.
2. REMOVE EXISTING WATER CLOSET, FLUSH VALVE, AND ALL ASSOCIATED PIPING AND VALVES. DISPOSE OF PROPERLY.
3. REMOVE EXISTING SINK, FAUCET, AND ALL ASSOCIATED PIPING AND VALVES. DISPOSE OF PROPERLY.
4. REMOVE EXISTING CLINICAL SERVICE SINK, FLUSH VALVE, AND ALL ASSOCIATED PIPING AND VALVES. DISPOSE OF PROPERLY.
5. REMOVE EXISTING SHOWER VALVE AND ALL ASSOCIATED PIPING AND VALVES. REMOVE FLOOR DRAIN. DISPOSE OF PROPERLY.
6. REMOVE EXISTING MOP BASIN, FAUCET, AND ALL ASSOCIATED PIPING AND VALVES. DISPOSE OF PROPERLY.
7. REMOVE EXISTING ROOF DRAIN, DOWNSPOUT NOZZLE, AND ALL ASSOCIATED PIPING. DISPOSE OF PROPERLY.
8. REMOVE EXISTING WALL HYDRANT AND ALL ASSOCIATED PIPING AND VALVES. DISPOSE OF PROPERLY.
9. EXISTING SANITARY UNDERFLOOR SERVING EXISTING FIXTURES WILL BE ABANDONED IN PLACE. REMOVE AND DISPOSE OF EXISTING SANITARY SEWER THAT CONFLICTS WITH NEW SANITARY SEWER SERVING NEW FIXTURES.
10. REMOVE COLD WATER, HOT WATER, HOT WATER RECIRC, VENT AND RAINWATER LEADERS ABOVE FIRST FLOOR CEILING. DISPOSE OF PROPERLY. ALL COLD WATER, HOT WATER, HOT WATER RECIRC, VENT, AND SANITARY SEWER PIPING REMAINING IN WALLS SHALL BE REMOVED BY GENERAL CONTRACTOR.

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

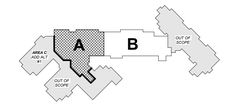
WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24

© 2024 by JB Electrical Design, PC



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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

North

PLUMBING DEMOLITION PLAN - FIRST FLOOR AREA A

Scale: As indicated

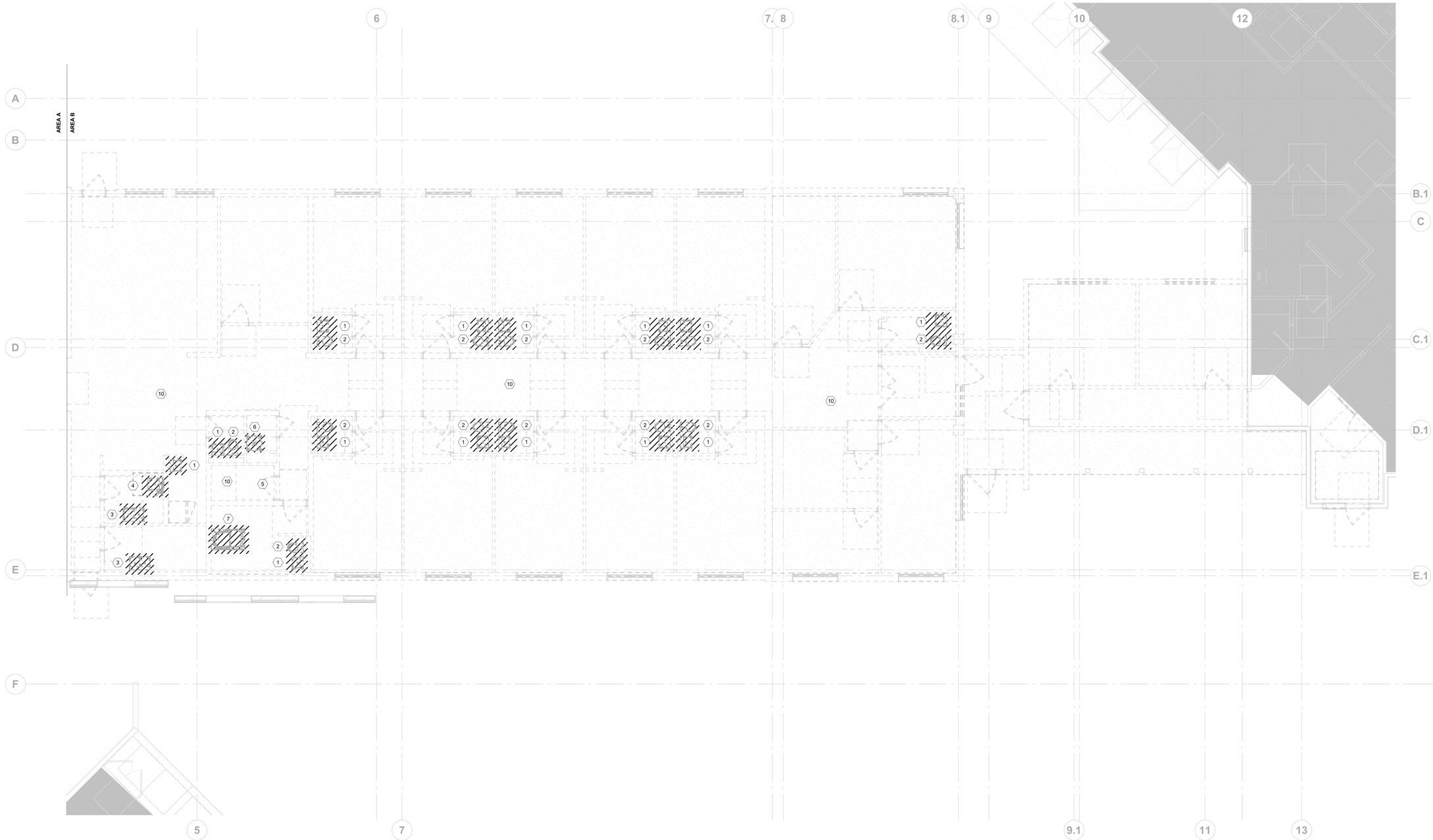
M1.01A

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/Revit/2024 Models/ Pelican Valley Senior Living Renovation_Plumb.rvt
12/20/2025 3:44:05 PM

MN

PLUMBING DEMOLITION NOTES:

1. REMOVE EXISTING LAVATORY, FAUCET, AND ALL ASSOCIATED PIPING AND VALVES. DISPOSE OF PROPERLY.
2. REMOVE EXISTING WATER CLOSET, FLUSH VALVE, AND ALL ASSOCIATED PIPING AND VALVES. DISPOSE OF PROPERLY.
3. REMOVE EXISTING SINK, FAUCET, AND ALL ASSOCIATED PIPING AND VALVES. DISPOSE OF PROPERLY.
4. REMOVE EXISTING CLINICAL SERVICE SINK, FLUSH VALVE, AND ALL ASSOCIATED PIPING AND VALVES. DISPOSE OF PROPERLY.
5. REMOVE EXISTING SHOWER VALVE AND ALL ASSOCIATED PIPING AND VALVES. REMOVE FLOOR DRAIN. DISPOSE OF PROPERLY.
6. REMOVE EXISTING MOP BASIN, FAUCET, AND ALL ASSOCIATED PIPING AND VALVES. DISPOSE OF PROPERLY.
7. REMOVE EXISTING ROOF DRAIN, DOWNSPOUT NOZZLE, AND ALL ASSOCIATED PIPING. DISPOSE OF PROPERLY.
8. REMOVE EXISTING WALL HYDRANT AND ALL ASSOCIATED PIPING AND VALVES. DISPOSE OF PROPERLY.
9. EXISTING SANITARY UNDERFLOOR SERVING EXISTING FIXTURES WILL BE ABANDONED IN PLACE. REMOVE AND DISPOSE OF EXISTING SANITARY SEWER THAT CONFLICTS WITH NEW SANITARY SEWER SERVING NEW FIXTURES.
10. REMOVE COLD WATER, HOT WATER, HOT WATER RECIRC, VENT AND RAINWATER LEADERS ABOVE FIRST FLOOR CEILING. DISPOSE OF PROPERLY. ALL COLD WATER, HOT WATER, HOT WATER RECIRC, VENT, AND SANITARY SEWER PIPING REMAINING IN WALLS SHALL BE REMOVED BY GENERAL CONTRACTOR.



1 M1.01B FIRST FLOOR PLUMBING DEMOLITION PLAN - AREA B
3/16" = 1'-0"

M

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/2024 MEP Master Files Revit Living Renovation_R24.rvt
1/28/2025 3:44:01 PM

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

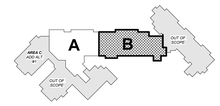
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

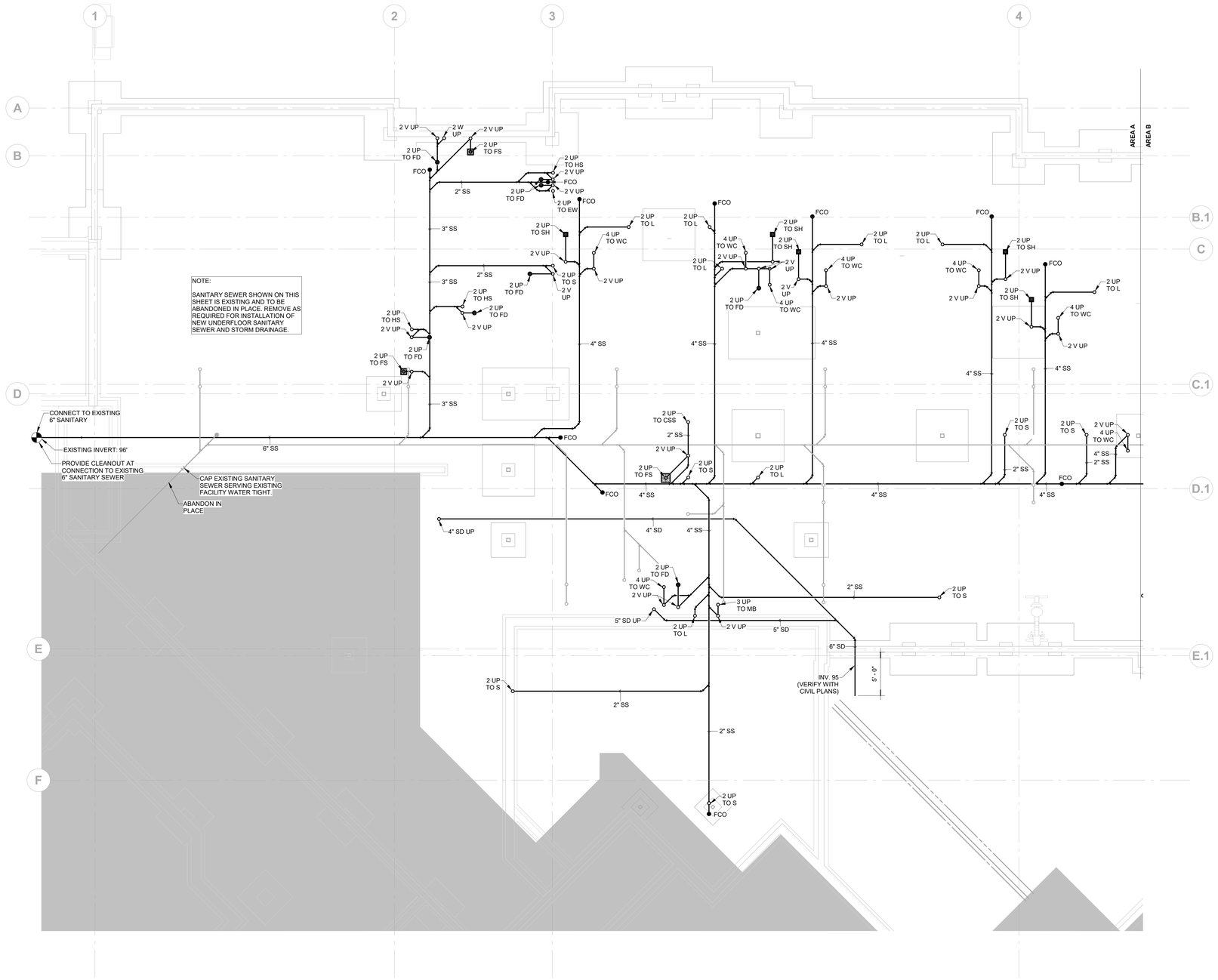
North

PLUMBING DEMOLITION PLAN - FIRST FLOOR AREA B

Scale: As indicated

M1.01B

MN



1 M1.02A UNDERFLOOR SANITARY PLAN - AREA A
3/16" = 1'-0"

M

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 Pelican Valley Senior Living Renovation_R23.rvt
1/28/2025 3:49:03 PM

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

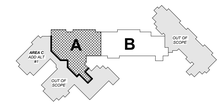
246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

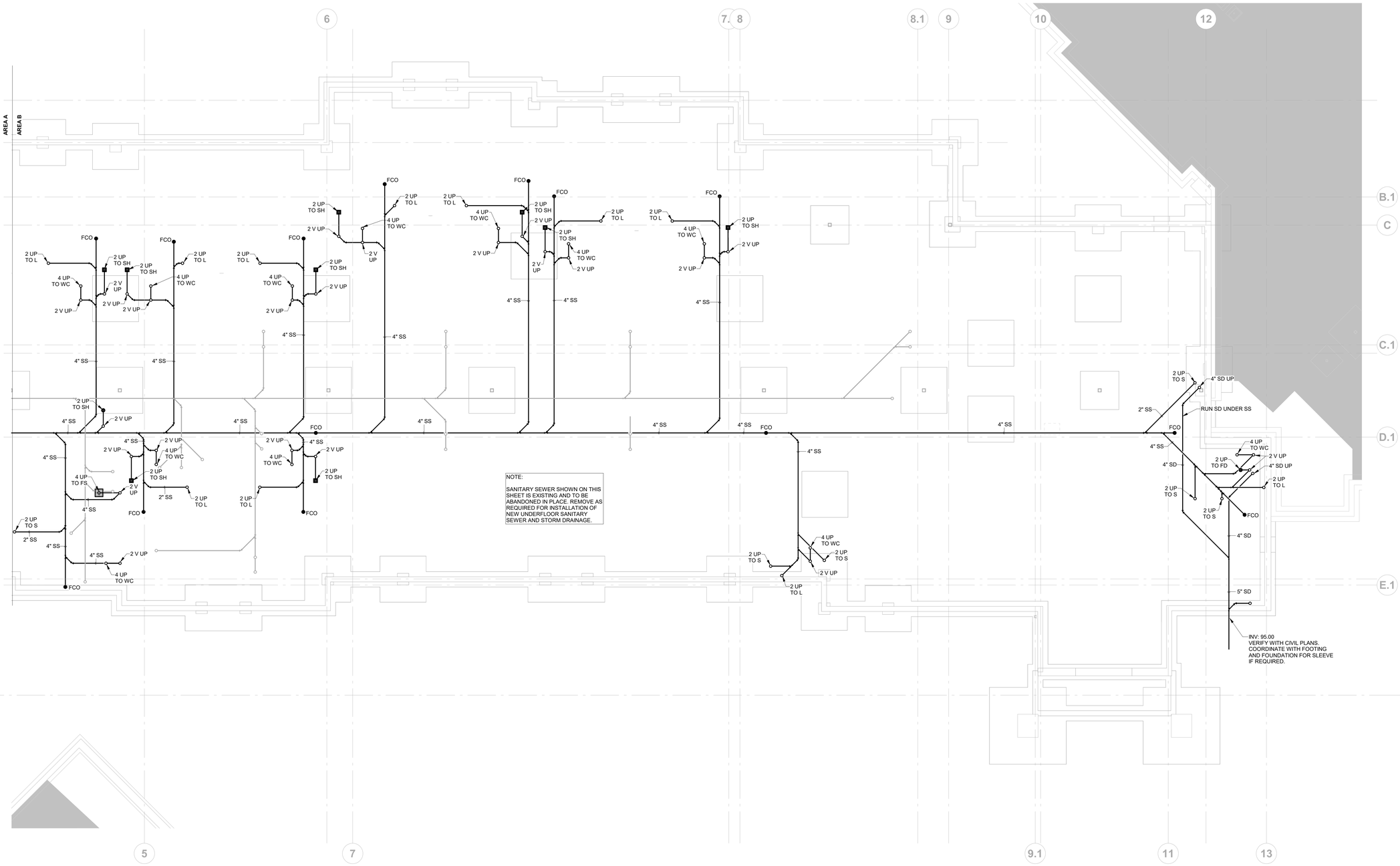
North

Scale: 3/16" = 1'-0"

SANITARY PLAN - UNDERGROUND AREA A

M1.02A

MN



1 M1.02B UNDERFLOOR SANITARY PLAN - AREA B
3/16" = 1'-0"

M

Pelican Valley Senior Living Renovation
211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24

© 2024 by JB Electrical Design, PC

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 Engineer under the laws of the State of Minnesota.

Brian Martin
License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

North

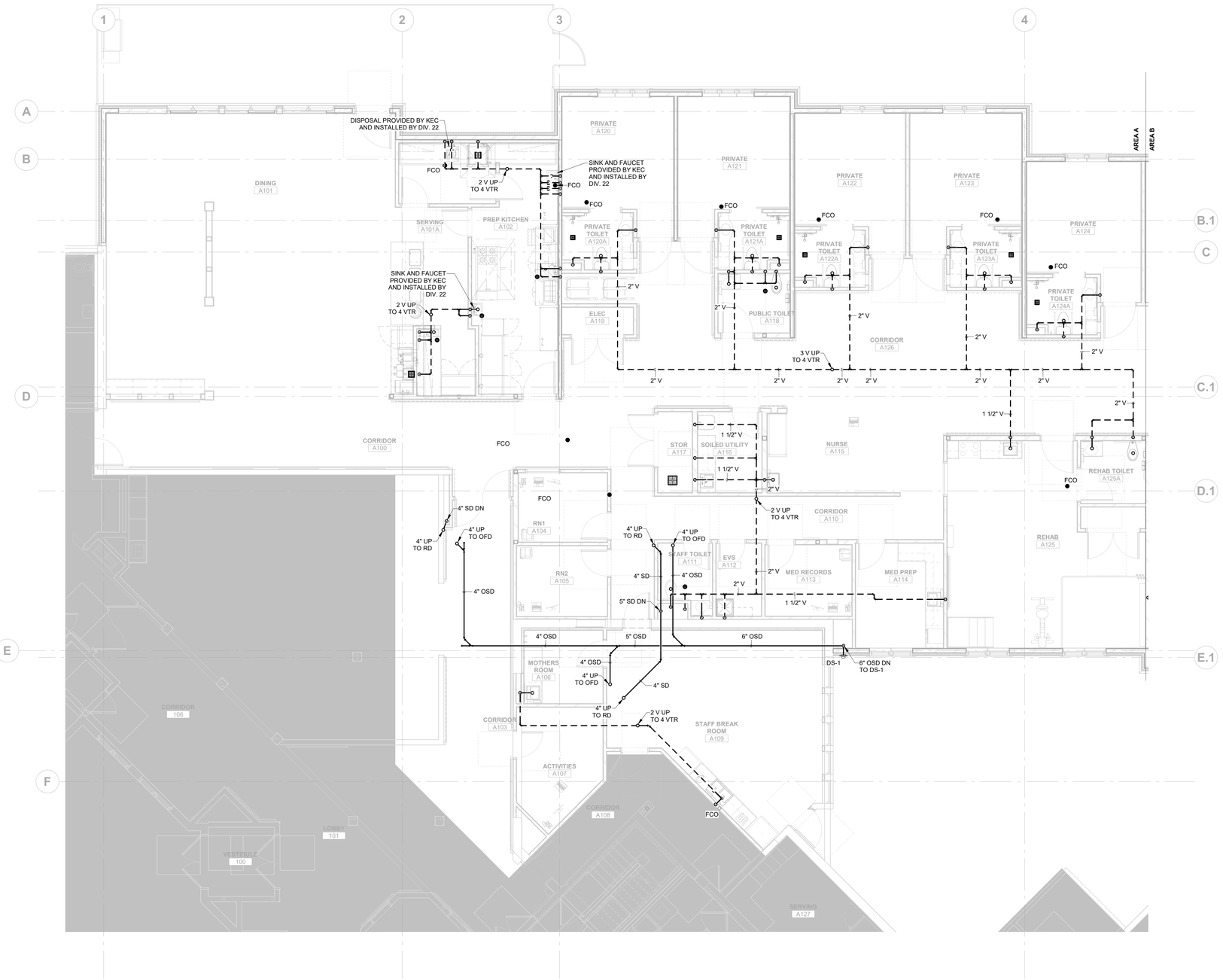
SANITARY PLAN - UNDERGROUND AREA B

Scale: 3/16" = 1'-0"

M1.02B

Autodesk Docs://2024/24 - Pelican Valley Senior Living Renovation/2024-Mid Pelican Valley Senior Living Renovation_v21.rvt
12/6/2025 3:49:06 PM

MN



1 FIRST FLOOR SANITARY PLAN - AREA A
M1.03A 3/16" = 1'-0"

M

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 Pelican Valley Senior Living Renovation_R23.rvt
1/28/2025 9:44:48 PM

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

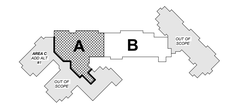
WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com

JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

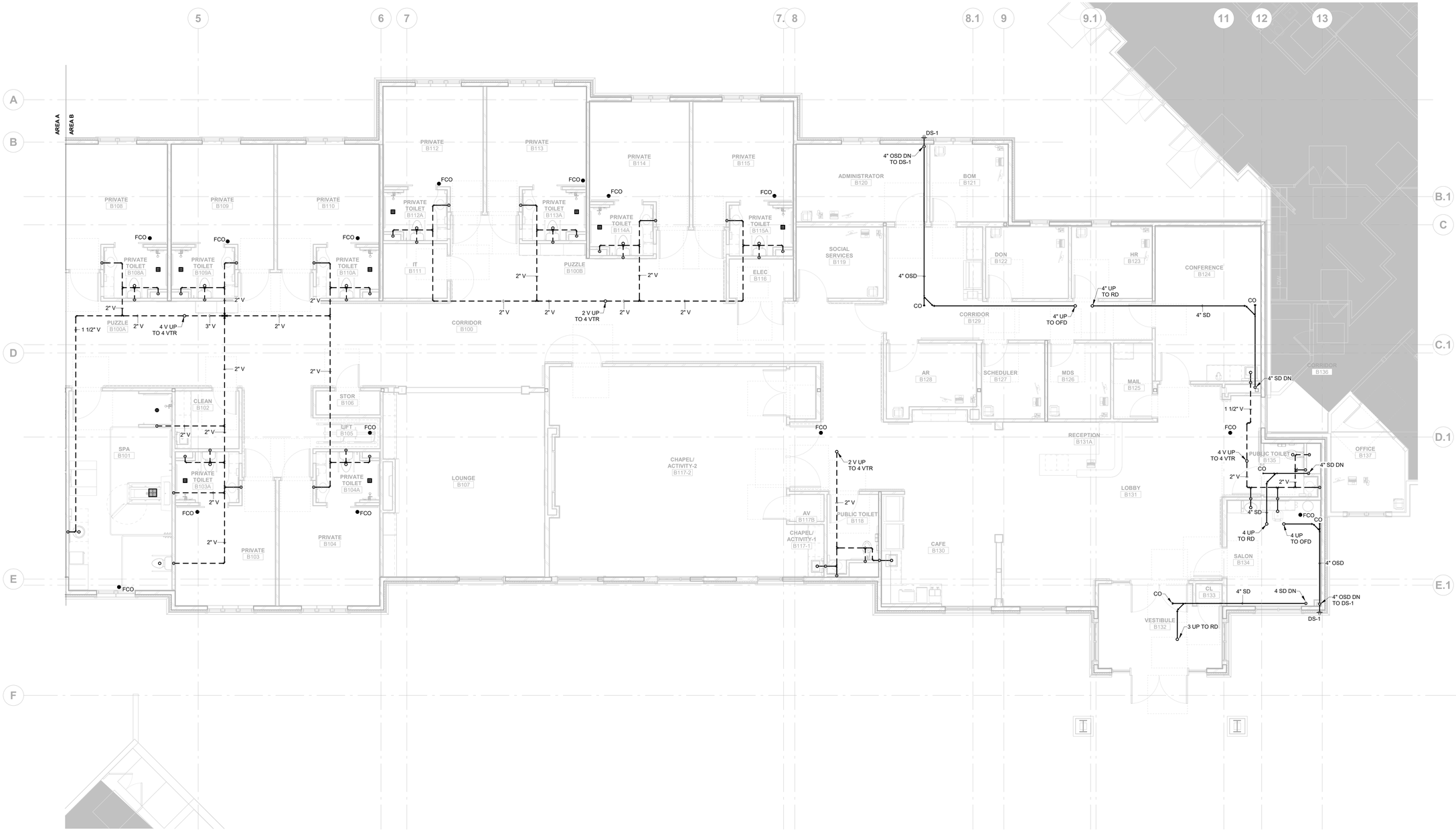
North

SANITARY PLAN - FIRST FLOOR AREA A

Scale: 3/16" = 1'-0"

M1.03A

MN



1 M1.03B FIRST FLOOR SANITARY PLAN - AREA B
3/16" = 1'-0"

M

Pelican Valley Senior Living Renovation
211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24

© 2024 by JB Electrical Design, PC

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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

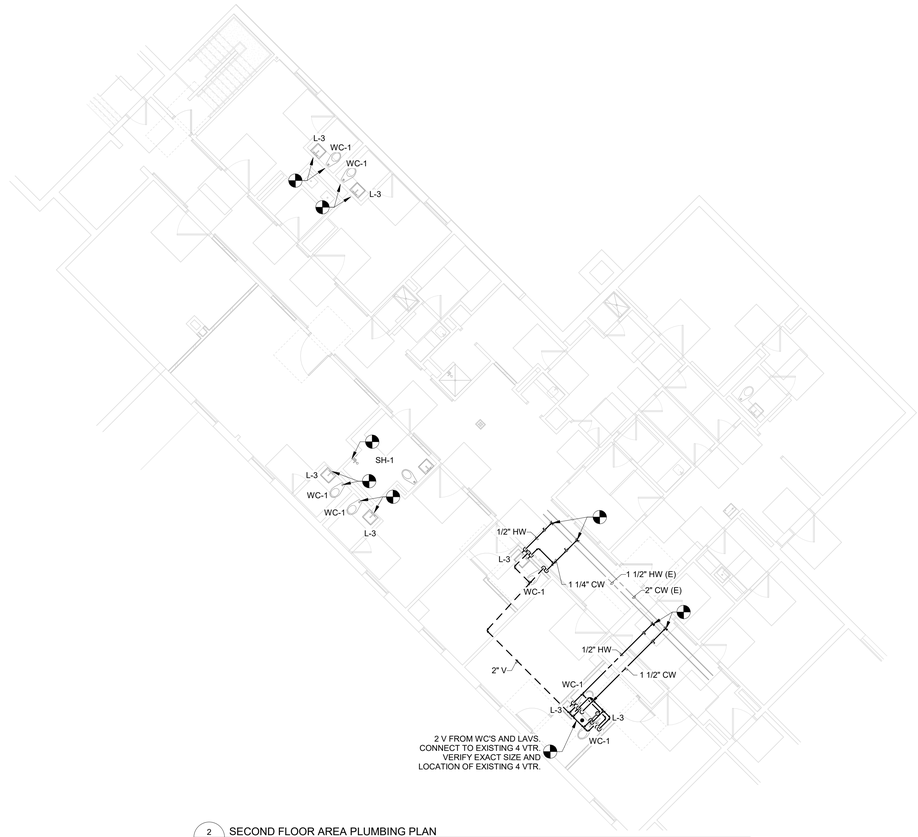
North

Scale: 3/16" = 1'-0"

SANITARY PLAN - FIRST FLOOR AREA B

M1.03B

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 Pelican Valley Senior Living Renovation_v24.rvt
1/28/2025 3:48:16 PM



2 M1.04 SECOND FLOOR AREA PLUMBING PLAN
1/8" = 1'-0"

1 M1.04 SECOND FLOOR AREA PLUMBING DEMOLITION PLAN
1/8" = 1'-0"

3 M1.04 SECOND FLOOR AREA PLUMBING PLAN - UNDERFLOOR
1/8" = 1'-0"

PLUMBING DEMOLITION NOTES:

1. REMOVE EXISTING LAVATORY, FAUCET, AND ALL ASSOCIATED PIPING AND VALVES. PREPARE EXISTING HOT WATER, COLD WATER, SANITARY, AND VENT PIPING FOR CONNECTION OF NEW LAVATORY.
2. REMOVE EXISTING WATER CLOSET, FLUSH VALVE, AND ALL ASSOCIATED PIPING AND VALVES. PREPARE EXISTING HOT WATER, COLD WATER, SANITARY, AND VENT PIPING FOR CONNECTION OF NEW LAVATORY.
3. REMOVE EXISTING SHOWER VALVE, HEAD, DRAIN, AND ACCESSORIES. INSTALL NEW SHOWER (SH-1) AND DRAIN. CONNECT TO EXISTING COLD WATER AND HOT WATER AT REMOVED SHOWER VALVE.

GENERAL PLUMBING NOTE

THE WALLS BEHIND THE FIXTURES AND SHOWER VALVE WILL BE REMOVED FROM FLOOR TO CEILING. PROVIDE NEW COLD WATER, HOT WATER, AND VENT PIPING FROM NEW FIXTURE TO CEILING. CONNECT TO EXISTING COLD WATER, HOT WATER, AND VENT PIING AT CEILING.

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: **2024-056**
Date: **01/28/2025**
Drawn: **MS**
Check: **MK**

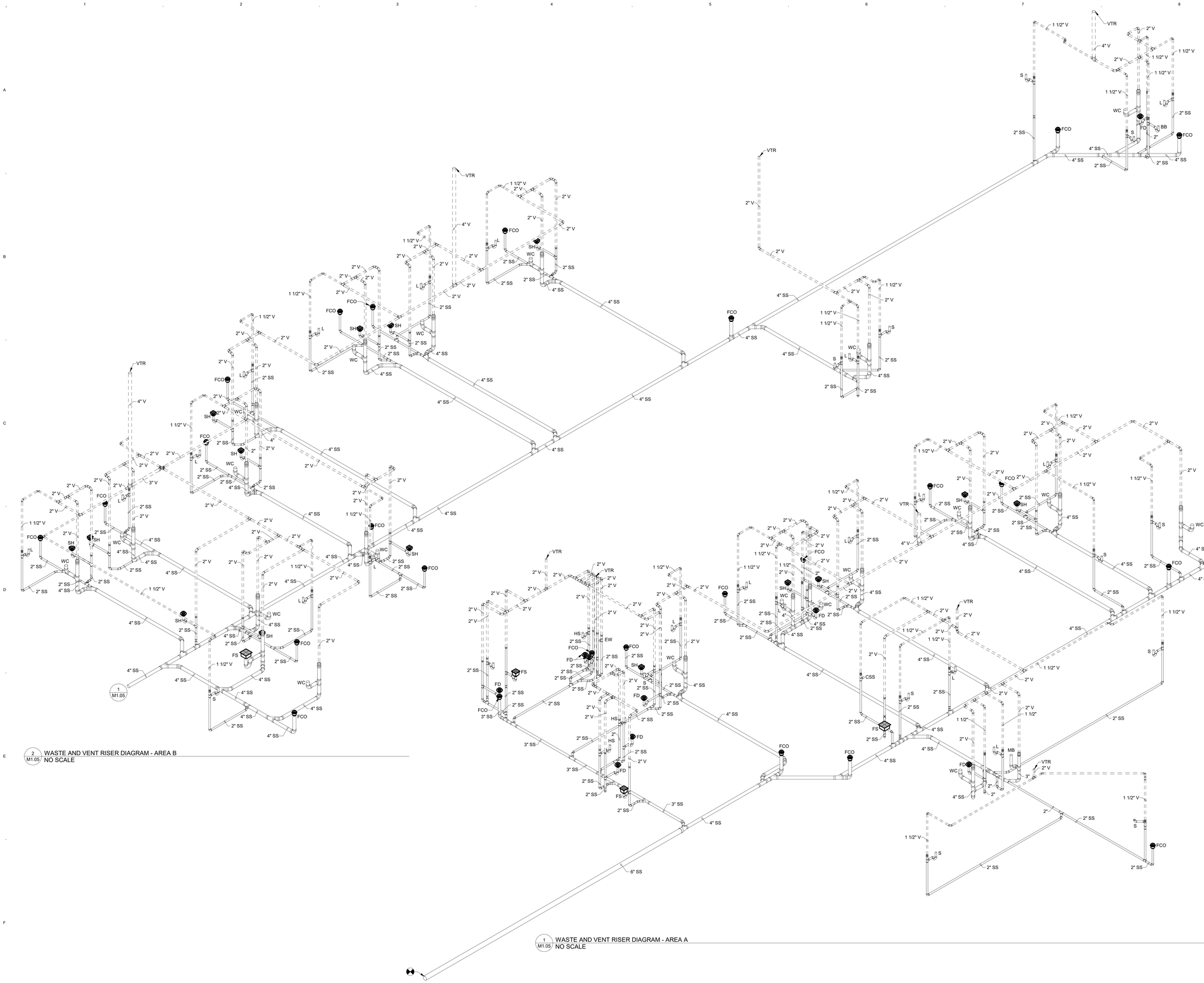
North

SANITARY PLAN - SECOND FLOOR

Scale: **As indicated**

M1.04

Autodesk Docs://2024-24 - Pelican Valley Senior Living Renovation/2024-24 Pelican Valley Senior Living Renovation_R24.rvt
1/28/2025 3:44:12 PM



2 M1.05 WASTE AND VENT RISER DIAGRAM - AREA B
NO SCALE

1 M1.05 WASTE AND VENT RISER DIAGRAM - AREA A
NO SCALE

MN

M

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/24-056 Pelican Valley Senior Living Renovation_r23.rvt
1/28/2025 3:48:19 PM

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN Inc.
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

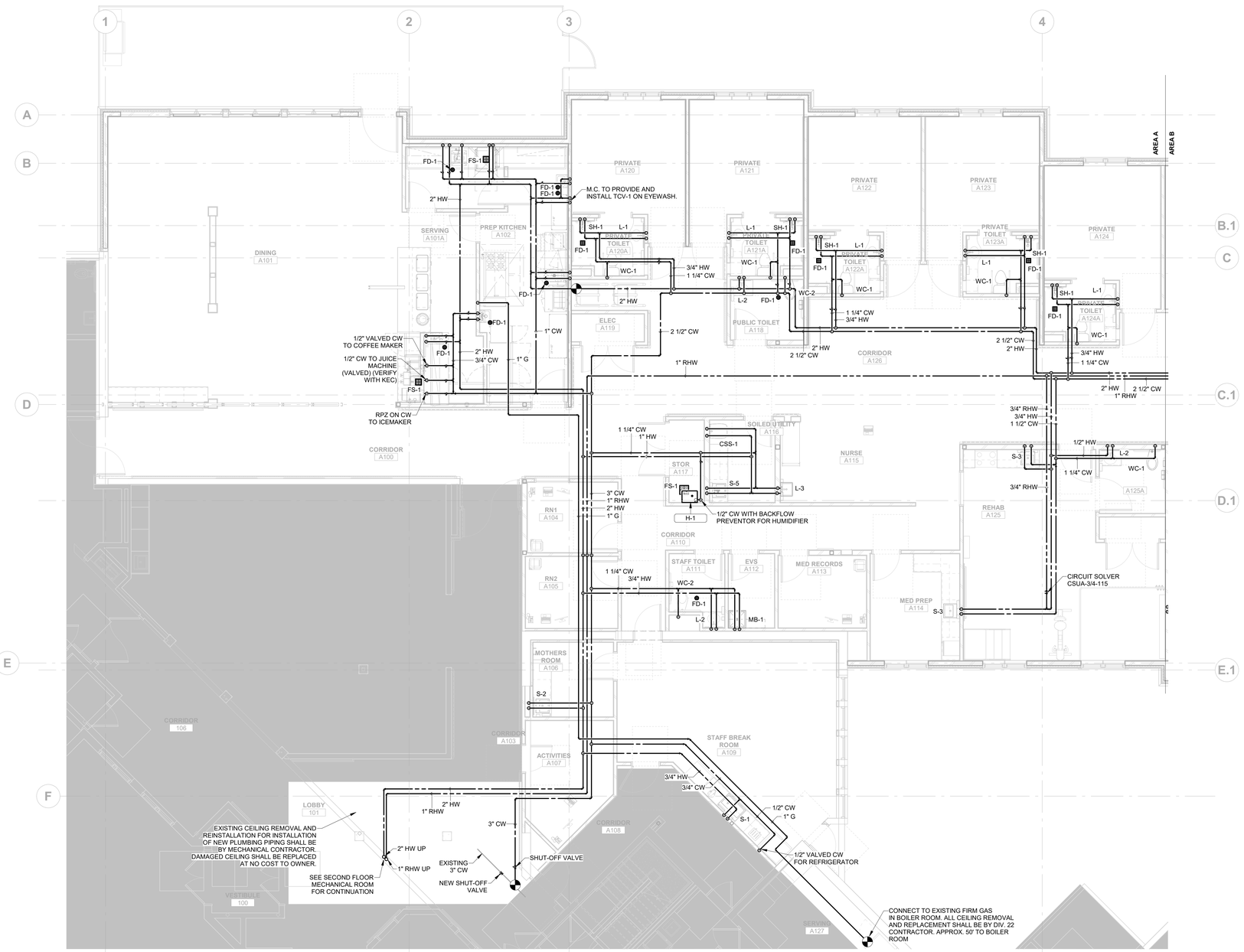
North

SANITARY PLAN - WASTE & VENT RISER DIAGRAMS

Scale:

M1.05

MN



1 M2.00A FIRST FLOOR DOMESTIC PLAN - AREA A
3/16" = 1'-0"

M

Pelican Valley Senior Living Renovation
211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24

© 2024 by JB Electrical Design, PC

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 Engineer under the laws of the State of Minnesota.

Brian Martin
License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

North

DOMESTIC PLAN - FIRST FLOOR AREA A

Scale: 3/16" = 1'-0"

M2.00A

Autodesk Docs://2024-056 - Pelican Valley Senior Living Renovation/Revit/2024-056 Pelican Valley Senior Living Renovation_ACA.rvt
12/20/2025 3:48:18 PM

MN

1 M2.00B FIRST FLOOR DOMESTIC PLAN - AREA B
3/16" = 1'-0"

M

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 Pelican Valley Senior Living Renovation_central.rvt
1/28/2025 3:49:21 PM

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

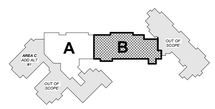
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

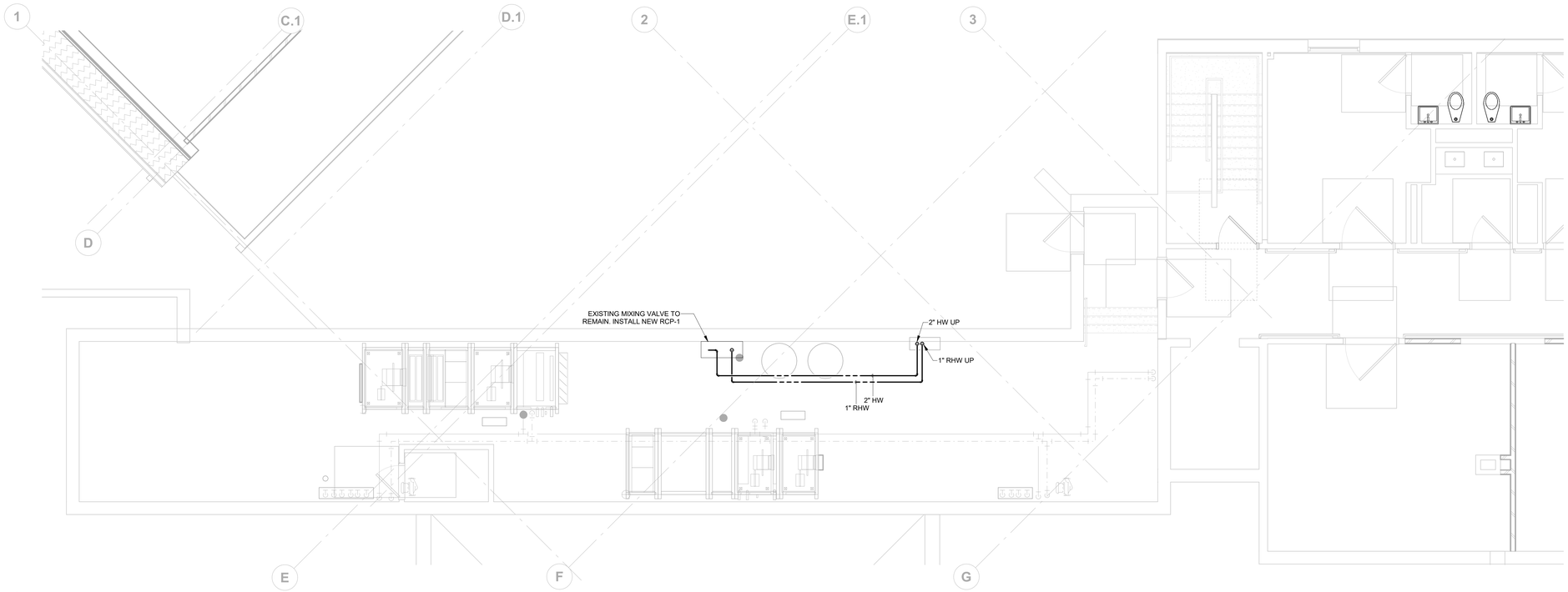
Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

North

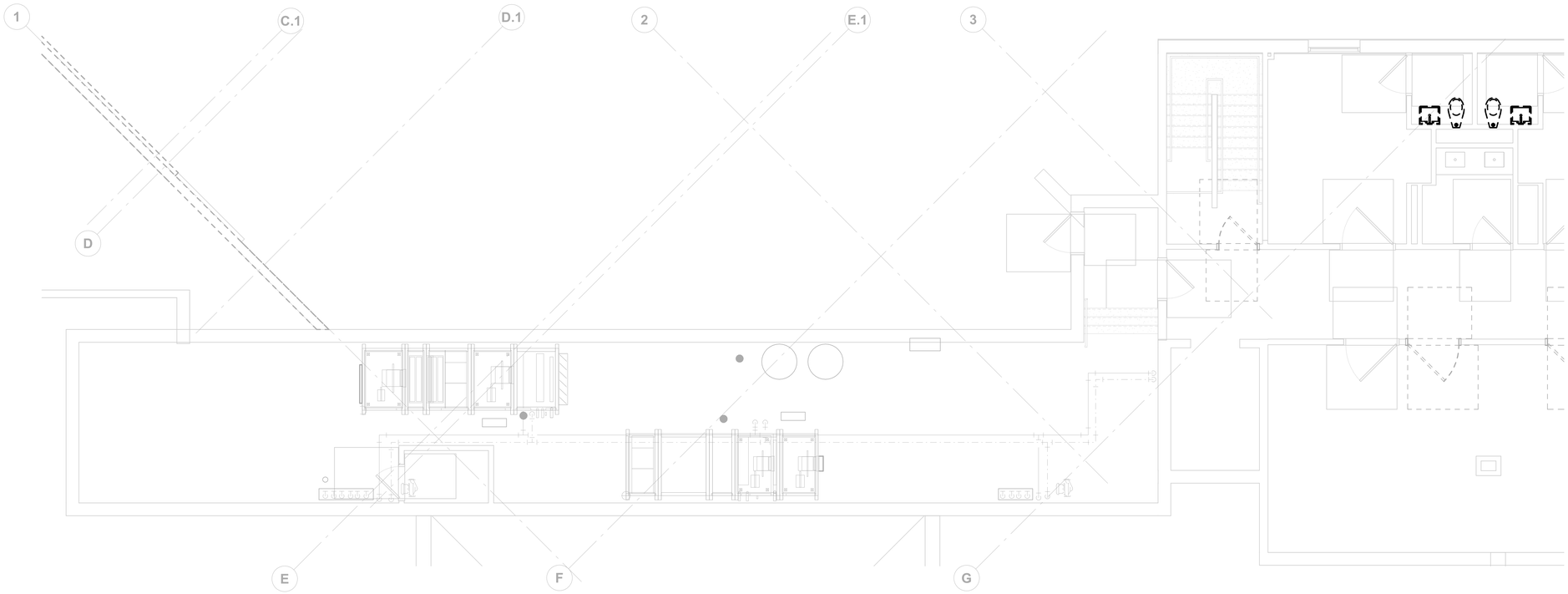
DOMESTIC PLAN - FIRST FLOOR AREA B

Scale: 3/16" = 1'-0"

M2.00B



2 M2.01 ENLARGED MECHANICAL ROOM PLUMBING PLAN
1/4" = 1'-0"



1 M2.01 ENLARGED MECHANICAL ROOM PLUMBING DEMOLITION PLAN
1/4" = 1'-0"

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/M2.01 ENLARGED MECHANICAL ROOM PLUMBING.rvt
1/28/2025 3:44:22 PM

MN

M

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

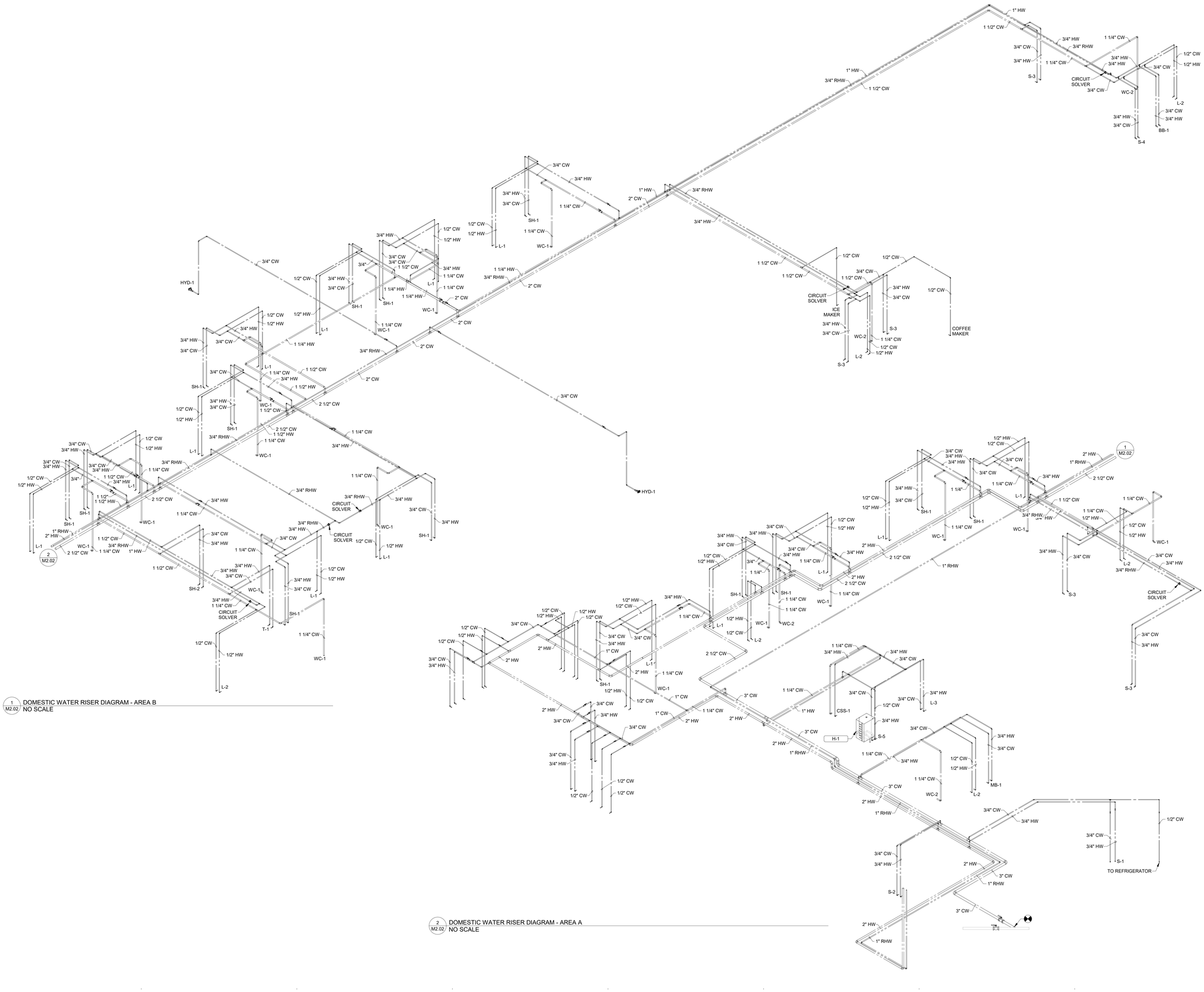
Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

North

DOMESTIC PLAN - ENLARGED MECHANICAL ROOM

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

M2.01



1 M2.02 DOMESTIC WATER RISER DIAGRAM - AREA B
NO SCALE

2 M2.02 DOMESTIC WATER RISER DIAGRAM - AREA A
NO SCALE

MN

M

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 Pelican Valley Senior Living Renovation_central.rvt
1/28/2025 3:49:26 PM

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN Inc.
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

North

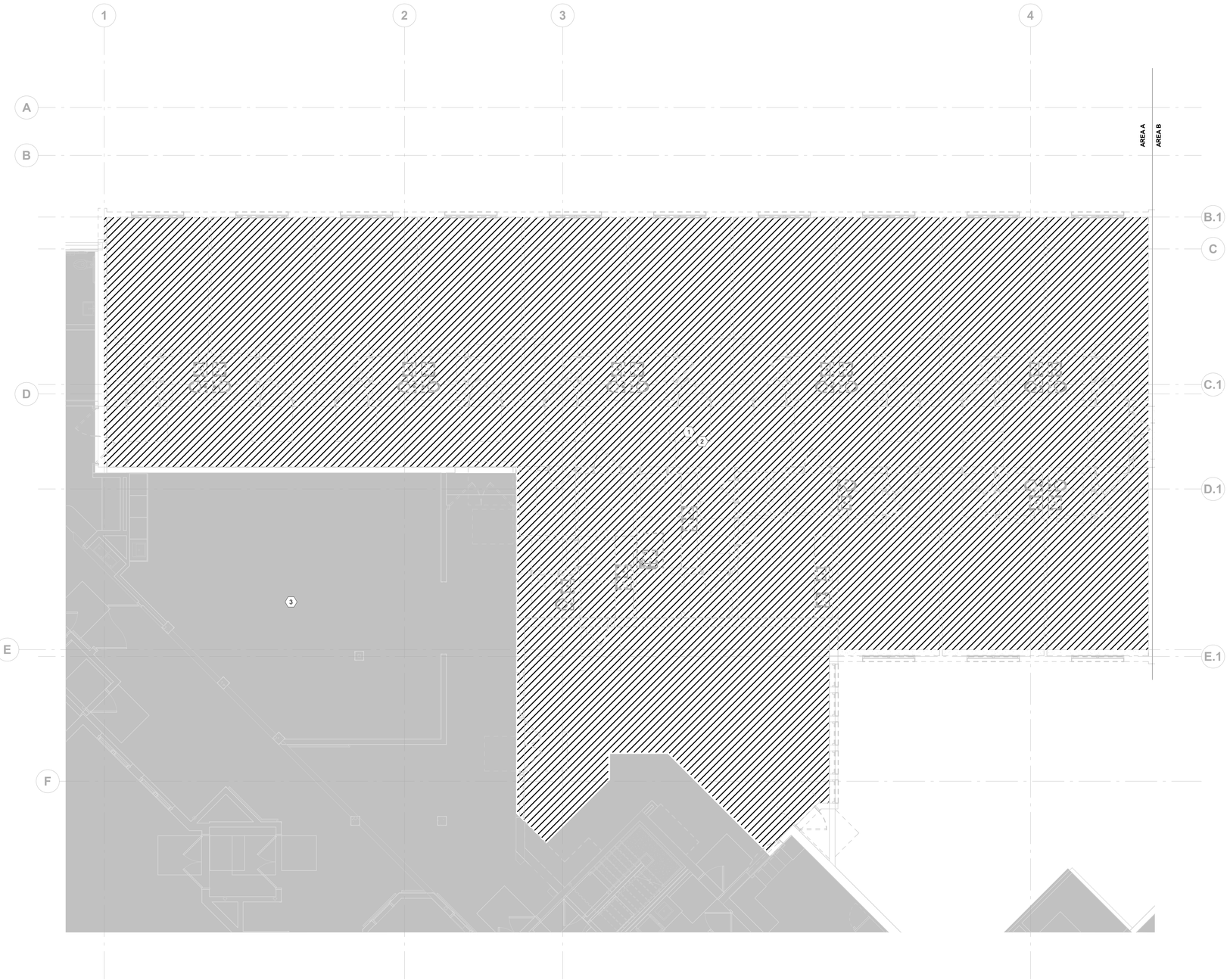
DOMESTIC PLAN - HOT & COLD WATER RISER DIAGRAMS

Scale:

M2.02

MECHANICAL DEMOLITION NOTES:

1. ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND ACCESSORIES SHALL ALL BE DEMOLISHED AND DISPOSED OF LEGALLY.
2. ALL EQUIPMENT WITH REFRIGERANT SHALL BE PUMPED DOWN PRIOR TO DEMOLITION. ALL REFRIGERANT TO BE RECLAIMED PRIOR TO DEMOLITION.
3. EXISTING EQUIPMENT AND DUCTWORK TO REMAIN ON ROOF.



1 M3.00A FIRST FLOOR MECHANICAL DEMOLITION PLAN - AREA A
3/16" = 1'-0"

Pelican Valley Senior Living Renovation
211 E Mill Ave.
Pelican Rapids, MN 56572

246039

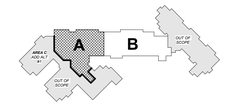
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24

© 2024 by JB Electrical Design, PC



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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

North

MECHANICAL DEMOLITION PLAN - FIRST FLOOR AREA A

Scale: As Indicated

M3.00A

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039-MEP Pelican Valley Senior Living Renovation_v22.rvt
1/28/2025 3:08:36 PM

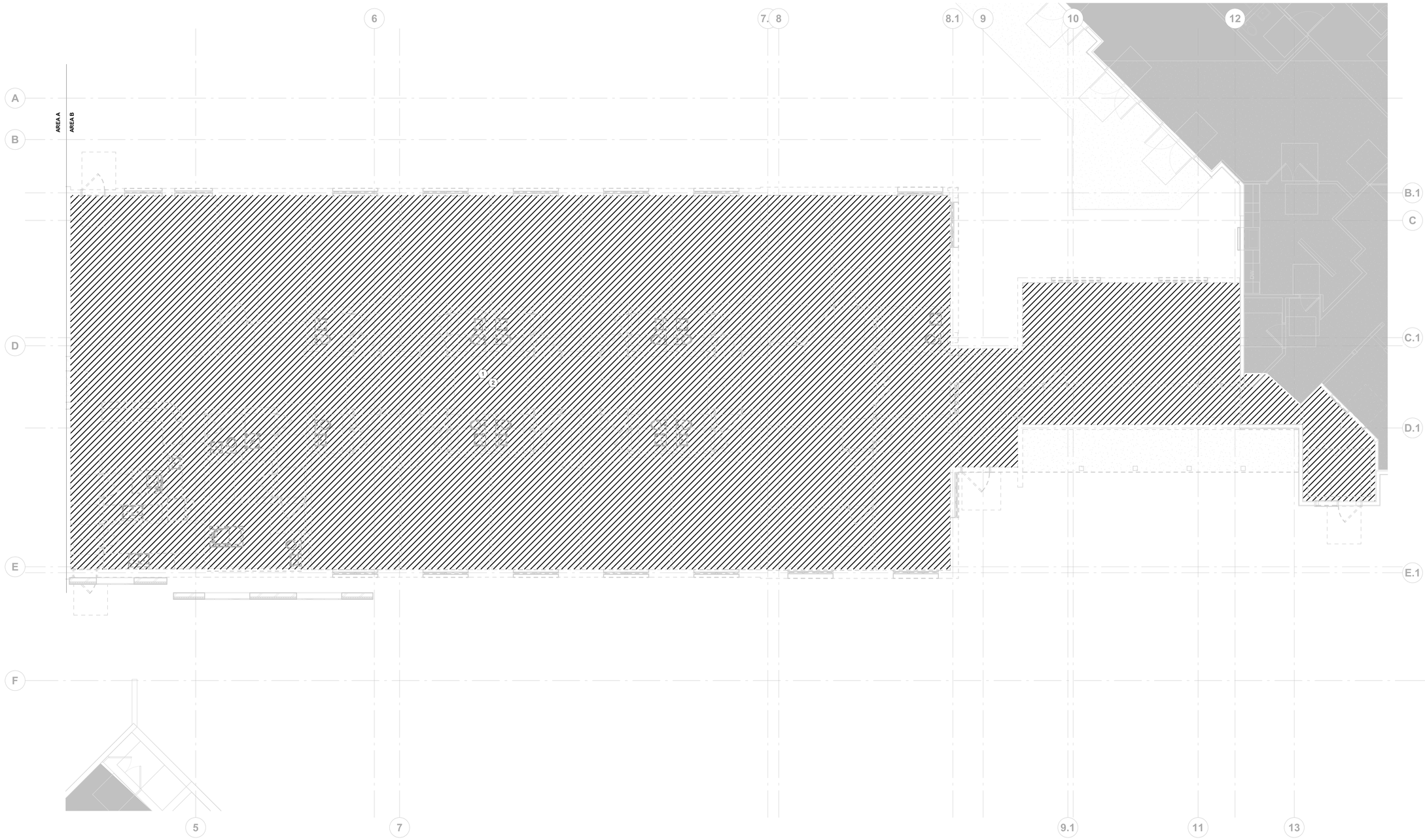
MN

M

MN

MECHANICAL DEMOLITION NOTES:

1. ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND ACCESSORIES SHALL ALL BE DEMOLISHED AND DISPOSED OF LEGALLY.
2. ALL EQUIPMENT WITH REFRIGERANT SHALL BE PUMPED DOWN PRIOR TO DEMOLITION. ALL REFRIGERANT TO BE RECLAIMED PRIOR TO DEMOLITION.
3. EXISTING EQUIPMENT AND DUCTWORK TO REMAIN ON ROOF.



1 M3.00B FIRST FLOOR MECHANICAL DEMOLITION PLAN - AREA B
3/16" = 1'-0"

M

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

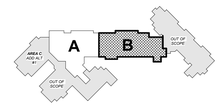
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-292-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com

JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

North

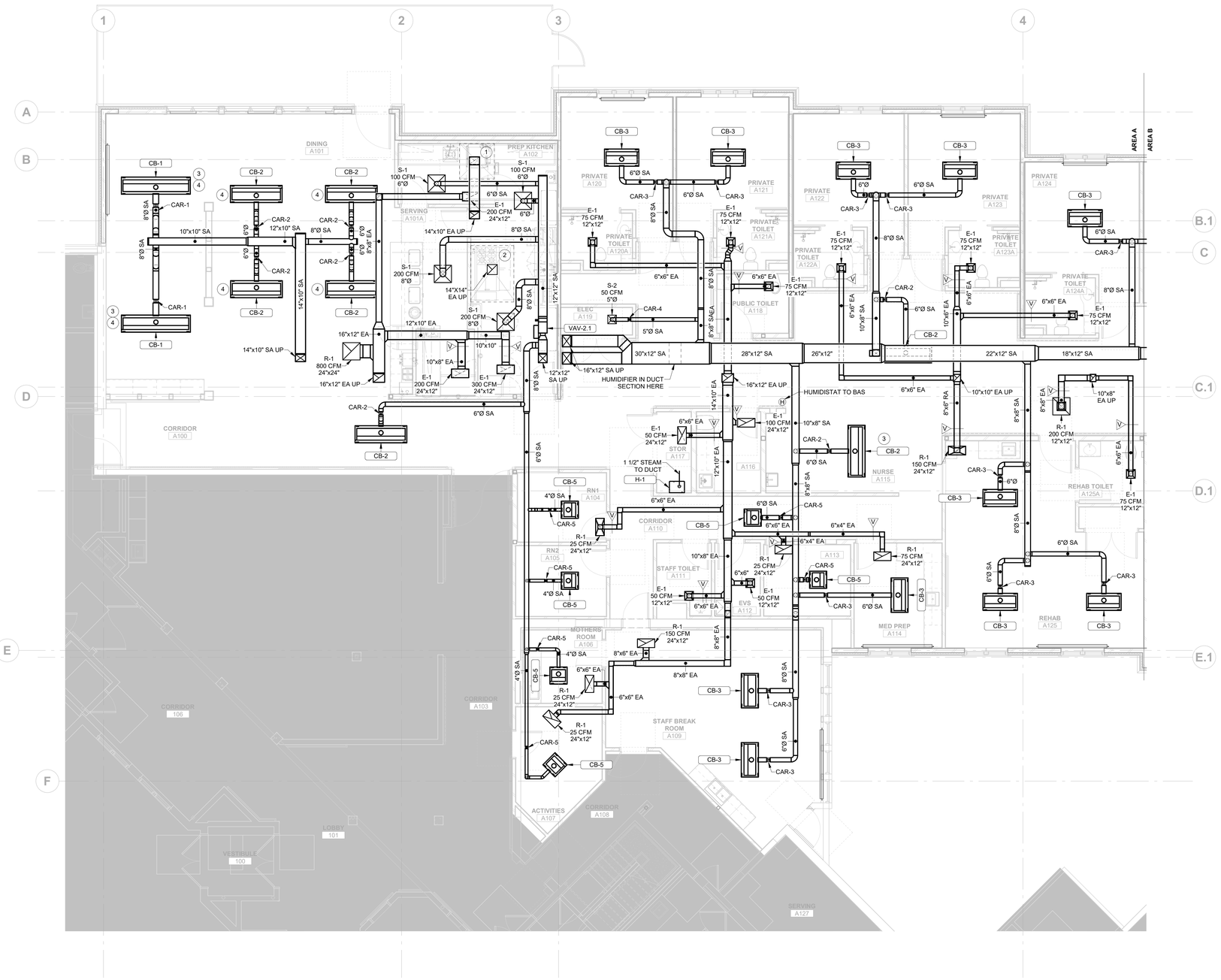
MECHANICAL DEMOLITION PLAN - FIRST FLOOR AREA B

Scale: As Indicated

M3.00B

Autodesk Docs://2024-056 - Pelican Valley Senior Living Renovation/2024-056 Pelican Valley Senior Living Renovation_Central_MS.rvt
1/28/2025 9:44:36 PM

MN



1 FIRST FLOOR HVAC PLAN - AREA A
M3.01A 3/16" = 1'-0"

M

MECHANICAL REMODEL NOTES:

1. DISHWASHER HOOD AND EXHAUST FAN BY KITCHEN EQUIPMENT SUPPLIER. MC TO COORDINATE WITH KES FOR INSTALLATION AND LOCATION. SEE KITCHEN EQUIPMENT SUPPLIER PLANS FOR REFERENCE.
2. KITCHEN EXHAUST HOOD, KITCHEN EXHAUST FAN AND DUCTWORK BY KITCHEN SUPPLIER. MC TO COORDINATE WITH KES FOR ISNTALLATION AND LOCATION. SEE KITCHEN EQUIPMENT SUPPLIER PLANS FOR REFERENCE.
3. CHILLED BEAMS TO BE PAINT MATCHED. PAINT SELECTED BY ARCH. PROVIDE LIST OF BEAMS IN ROOM TO BE SELECTED BY ARCH THROUGH SHOP DRAWINGS.
4. BEAMS TO BE ONE-WAY THROW. SEE SCHEDULE FOR PERFORMANCE.
5. DIFFUSERS TO BE PAINT MATCHED. PAINT COLOR AND TYPE SELECTED BY ARCH. PROVIDE LIST OF DIFFUSERS OR GRILLES BY ROOM TO BE SELECTED BY ARCH.

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

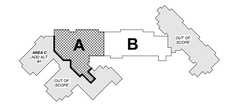
WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24

© 2024 by JB Electrical Design, PC



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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: **2024-056**
Date: **01/28/2025**
Drawn: **MS**
Check: **MK**

North

HVAC PLAN - FIRST FLOOR AREA A

Scale: **As Indicated**

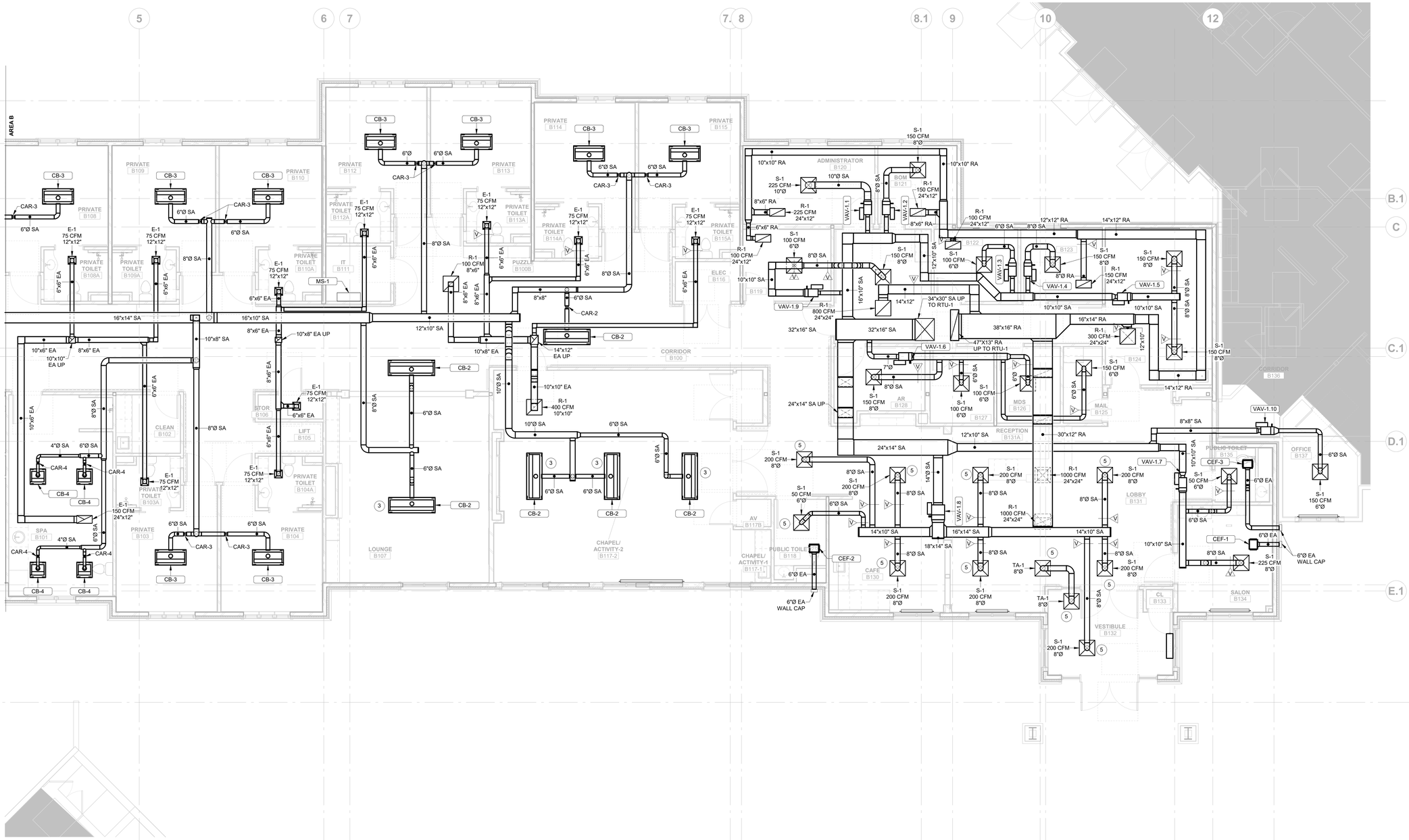
M3.01A

Autodesk Docs://24056 - Pelican Valley Senior Living Renovation/24056-MEP Revit Valley Senior Living Renovation_R23.rvt
1/28/2025 3:49:34 PM

MECHANICAL REMODEL NOTES:

1. DISHWASHER HOOD AND EXHAUST FAN BY KITCHEN EQUIPMENT SUPPLIER. MC TO COORDINATE WITH KES FOR INSTALLATION AND LOCATION. SEE KITCHEN EQUIPMENT SUPPLIER PLANS FOR REFERENCE.
2. KITCHEN EXHAUST HOOD, KITCHEN EXHAUST FAN AND DUCTWORK BY KITCHEN SUPPLIER. MC TO COORDINATE WITH KES FOR ISNTALLATION AND LOCATION. SEE KITCHEN EQUIPMENT SUPPLIER PLANS FOR REFERENCE.
3. CHILLED BEAMS TO BE PAINT MATCHED. PAINT SELECTED BY ARCH. PROVIDE LIST OF BEAMS IN ROOM TO BE SELECTED BY ARCH THROUGH SHOP DRAWINGS.
4. BEAMS TO BE ONE-WAY THROW. SEE SCHEDULE FOR PERFORMANCE.
5. DIFFUSERS TO BE PAINT MATCHED. PAINT COLOR AND TYPE SELECTED BY ARCH. PROVIDE LIST OF DIFFUSERS OR GRILLES BY ROOM TO BE SELECTED BY ARCH.

MN



M

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

Wold

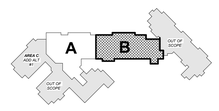
WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24

© 2024 by JB Electrical Design, PC



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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

North

HVAC PLAN - FIRST FLOOR AREA B

Scale: As Indicated

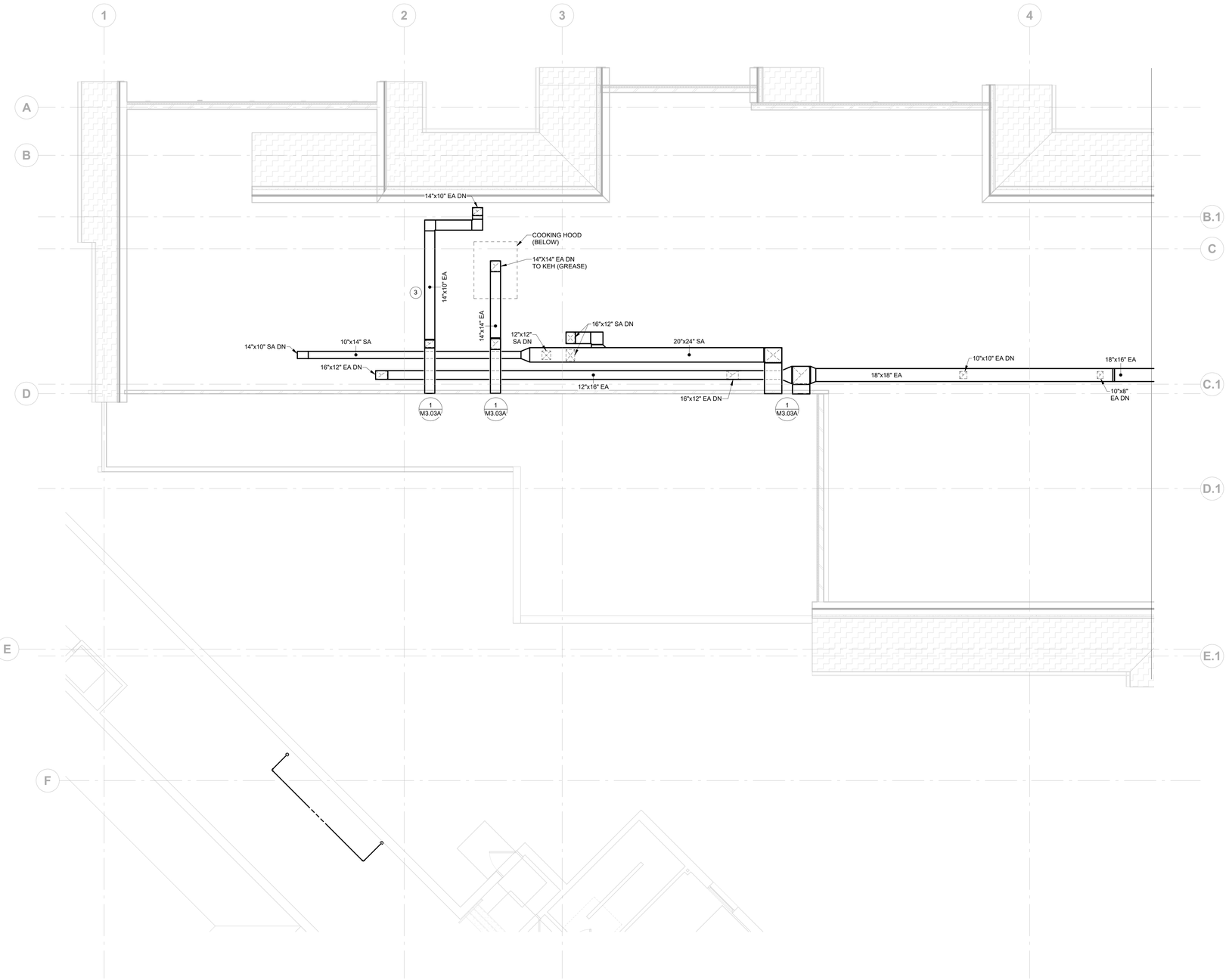
M3.01B

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 Pelican Valley Senior Living Renovation_central.rvt
1/28/2025 3:49:41 PM

MECHANICAL REMODEL NOTES:

1. DISHWASHER HOOD AND EXHAUST FAN BY KITCHEN EQUIPMENT SUPPLIER. MC TO COORDINATE WITH KES FOR INSTALLATION AND LOCATION. SEE KITCHEN EQUIPMENT SUPPLIER PLANS FOR REFERENCE.
2. KITCHEN EXHAUST HOOD, KITCHEN EXHAUST FAN AND DUCTWORK BY KITCHEN EQUIPMENT SUPPLIER. MC TO COORDINATE WITH KES FOR INSTALLATION AND LOCATION. SEE KITCHEN EQUIPMENT SUPPLIER PLANS FOR REFERENCE.
3. KITCHEN EXHAUST TO BE INSTALLED AND PROVIDED BY MECHANICAL CONTRACTOR. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF KITCHEN EXHAUST FANS.

MN



1 M3.02A ATTIC SPACE HVAC PLAN - AREA A
3/16" = 1'-0"

M

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 Pelican Valley Senior Living Renovation_r23.rvt
1/28/2025 3:44:42 PM

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: **2024-056**
Date: **01/28/2025**
Drawn: **MS**
Check: **MK**

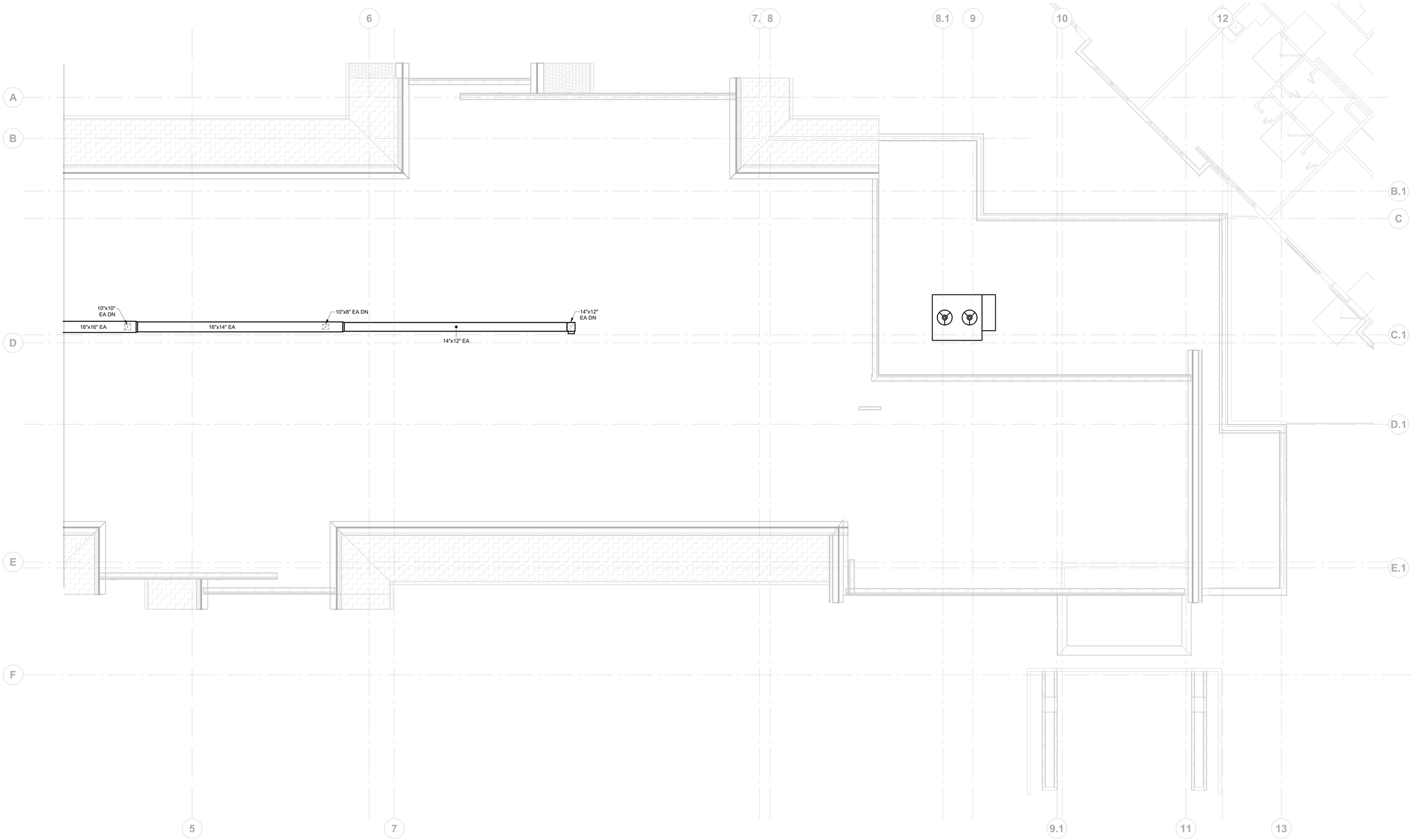
North

HVAC PLAN - ATTIC AREA A

Scale: **As Indicated**

M3.02A

MN



1 M3.02B ATTIC SPACE HVAC PLAN - AREA B
3/16" = 1'-0"

M

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/M3.02B Pelican Valley Senior Living Renovation_R23.rvt
1/28/2025 3:44:47 PM

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN Inc.
FARGO GRAND FORKS PARK RAPIDS
701-292-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

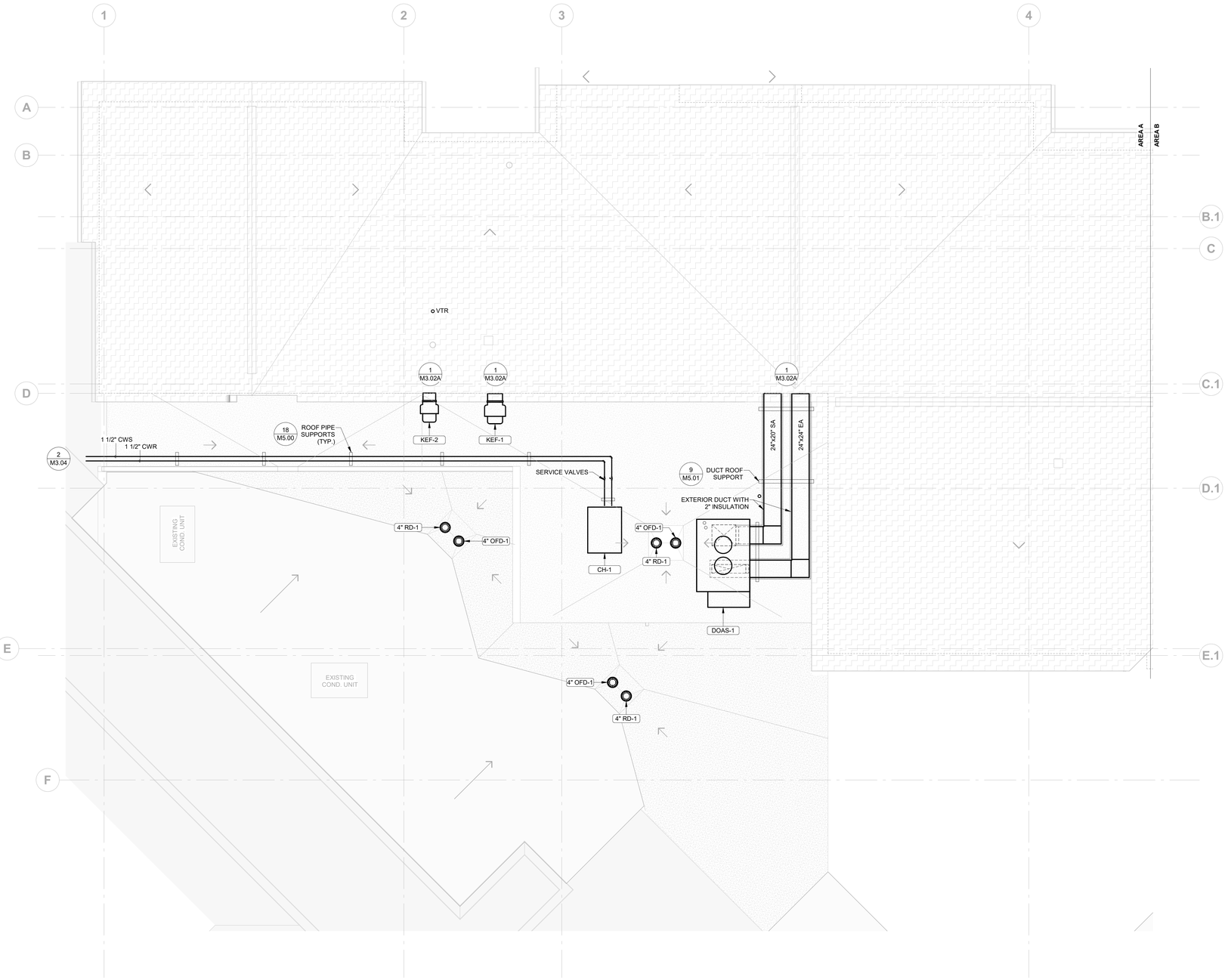
North

HVAC PLAN - ATTIC AREA B

Scale: 3/16" = 1'-0"

M3.02B

MN



1 M3.03A ROOF MECHANICAL PLAN - AREA A
3/16" = 1'-0"

M

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/2024-056 Pelican Valley Senior Living Renovation_R23.rvt
1/28/2025 3:44:40 PM

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

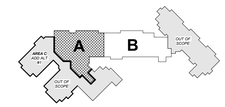
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

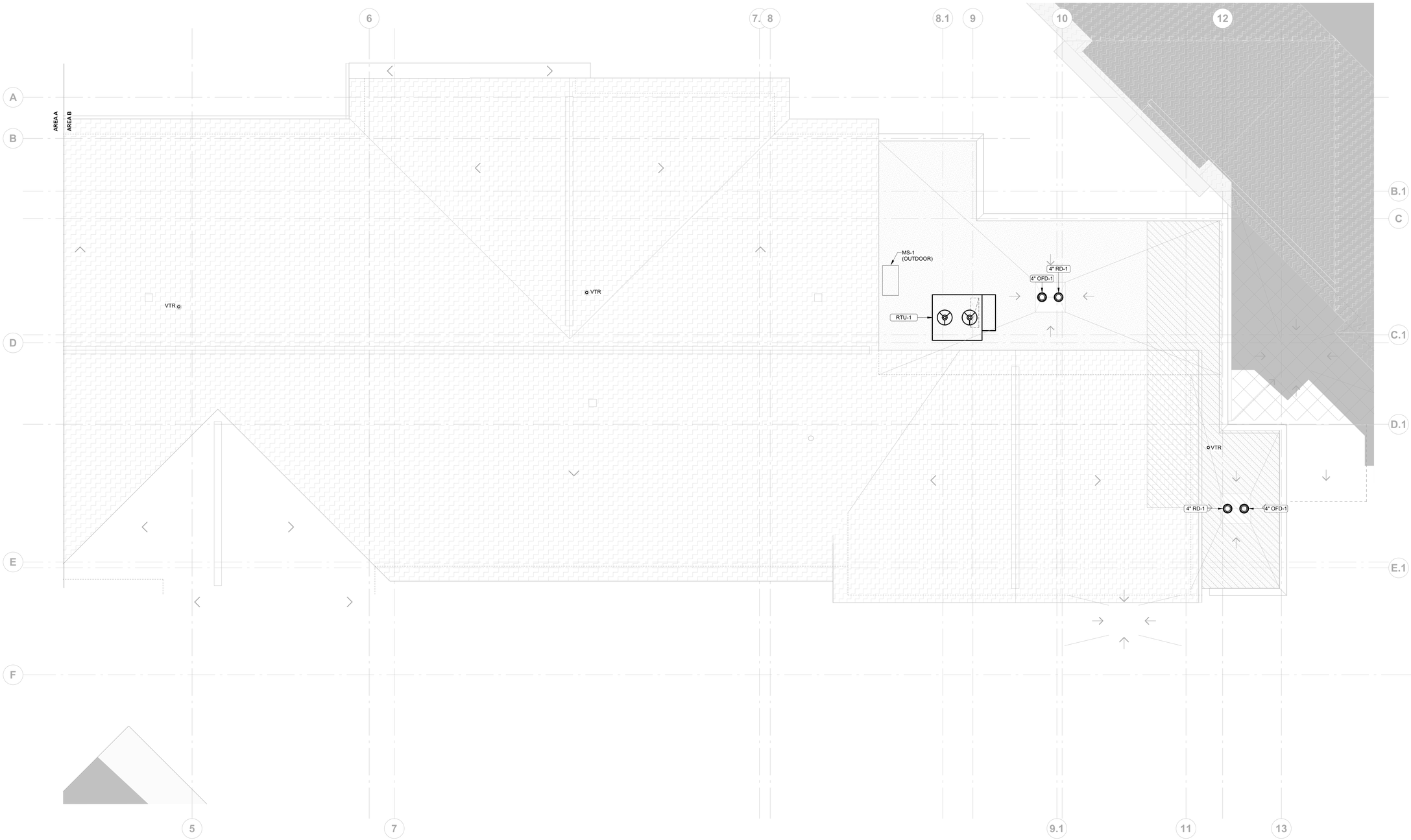
Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

North

HVAC PLAN - ROOF AREA A

Scale: 3/16" = 1'-0"

M3.03A



1 M3.03B ROOF MECHANICAL PLAN - AREA B
3/16" = 1'-0"

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

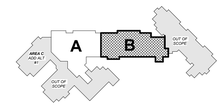
WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com

JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

North

HVAC PLAN - ROOF AREA B

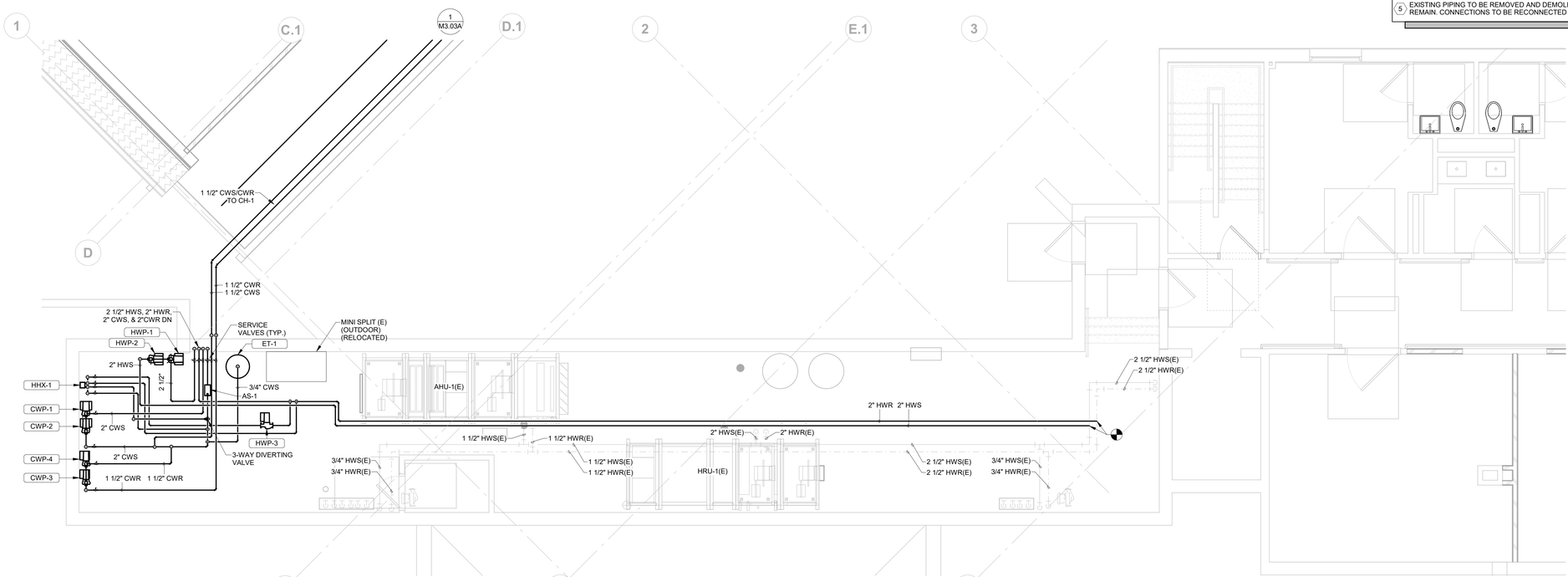
Scale: 3/16" = 1'-0"

M3.03B

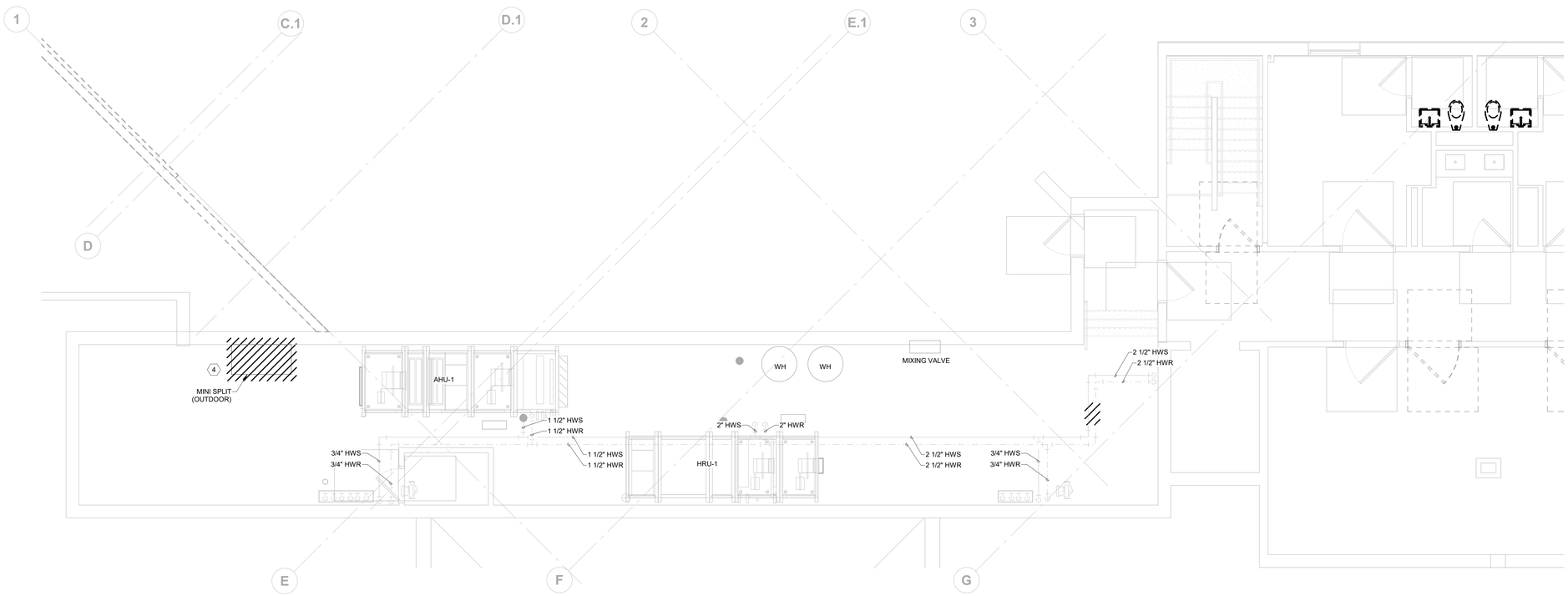
Autodesk Docs://2024-056 - Pelican Valley Senior Living Renovation/2024-056 Pelican Valley Senior Living Renovation_ACL.rvt
1/28/2025 9:44:48 PM

MECHANICAL DEMOLITION NOTES:

1. ALL EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND ACCESSORIES SHALL ALL BE DEMOLISHED AND DISPOSED OF LEGALLY.
2. ALL EQUIPMENT WITH REFRIGERANT SHALL BE PUMPED DOWN PRIOR TO DEMOLITION. ALL REFRIGERANT TO BE RECLAIMED PRIOR TO DEMOLITION.
3. EXISTING EQUIPMENT AND DUCTWORK TO REMAIN ON ROOF.
4. EXISTING MINI SPLIT CONDENSOR UNIT TO BE REMOVED AND RELOCATED WITHIN MECHANICAL ROOM. SHIFT UNIT TO ALLOW FOR NEW PUMPS AND PIPING TO BE INSTALLED.
5. EXISTING PIPING TO BE REMOVED AND DEMOLISHED. EXISTING PIPING CONNECTIONS TO EXISTING EQUIPMENT TO REMAIN. CONNECTIONS TO BE RECONNECTED WITH NEW PIPING.



2 M3.04 ENLARGED MECHANICAL ROOM PLAN
1/4" = 1'-0"



1 M3.04 ENLARGED MECHANICAL ROOM DEMOLITION PLAN
1/4" = 1'-0"

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN Inc
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com

JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

North

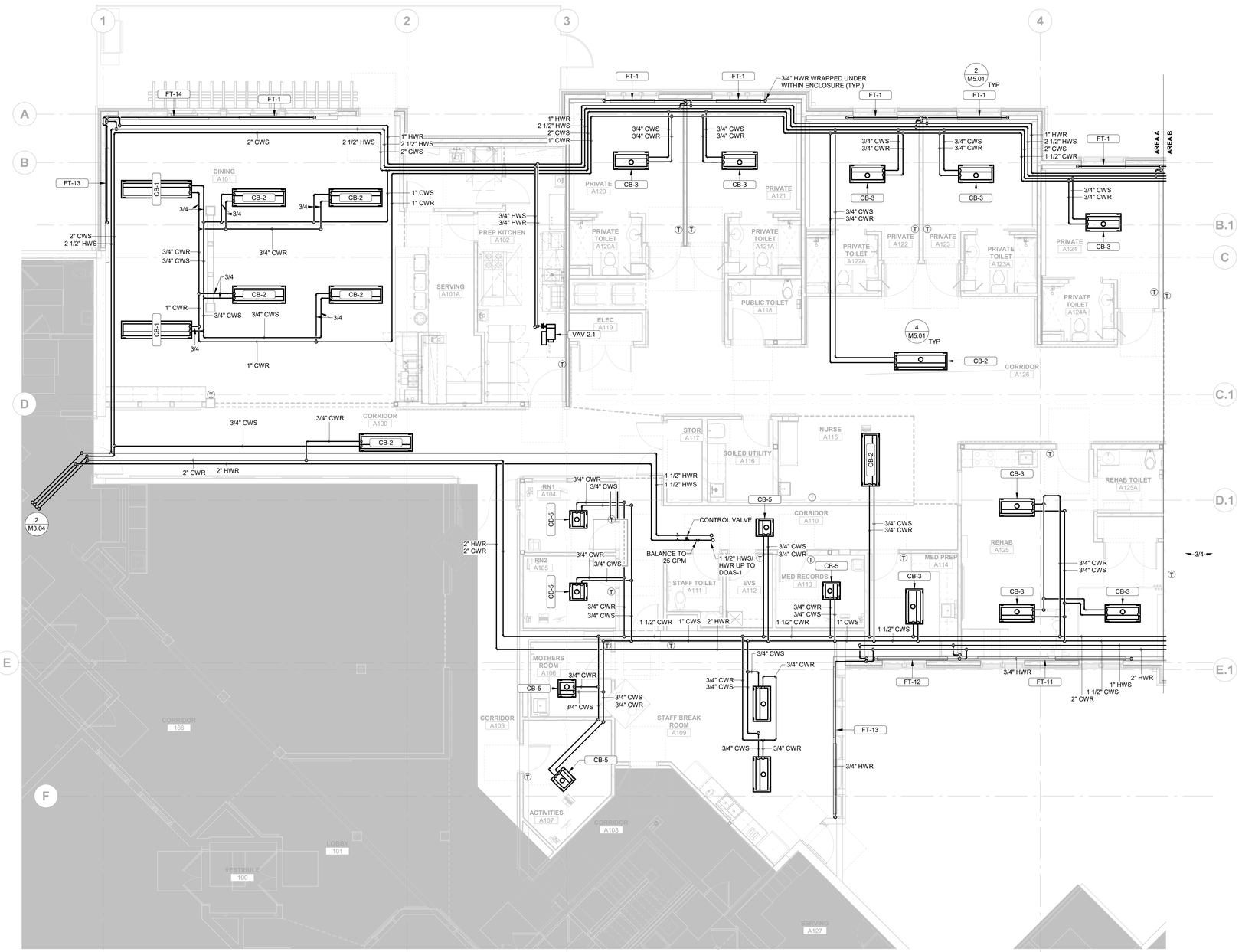
Scale: As Indicated

HVAC PLAN - ENLARGED MECHANICAL ROOM

M3.04

Autodesk Docs://2024-24 - Pelican Valley Senior Living Renovation/2024-24 Pelican Valley Senior Living Renovation_R23.rvt
1/28/2025 3:44:47 PM

MN



1 M4.00A FIRST FLOOR HVAC PIPING PLAN - AREA A
3/16" = 1'-0"

M

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/M4.00A Master Utility Plans Living Renovation_ACA.rvt
12/20/2025 3:44:01 PM

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

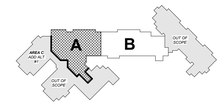
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

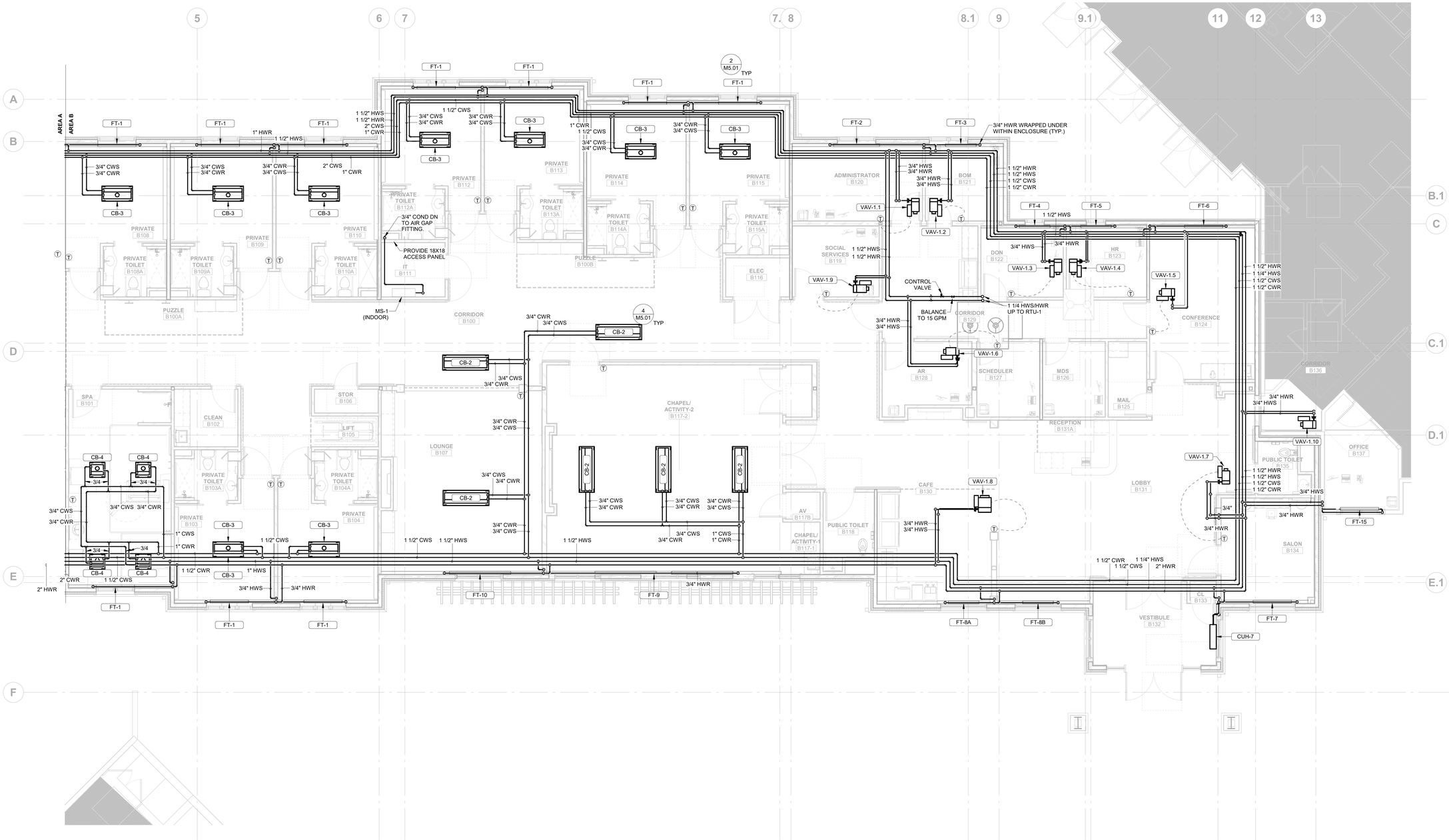
North

HVAC PIPING PLAN - FIRST FLOOR AREA A

Scale: 3/16" = 1'-0"

M4.00A

MN



1 M4.00B FIRST FLOOR HVAC PIPING PLAN - AREA B
3/16" = 1'-0"

M

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 Pelican Valley Senior Living Renovation_r23.rvt
1/28/2025 9:44:38 PM

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

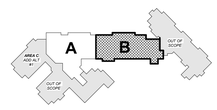
WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24

© 2024 by JB Electrical Design, PC



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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

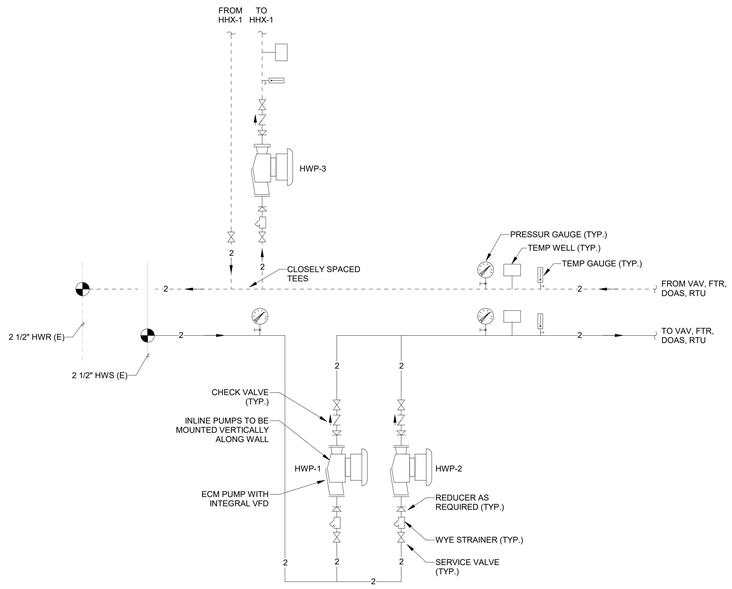
Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

North

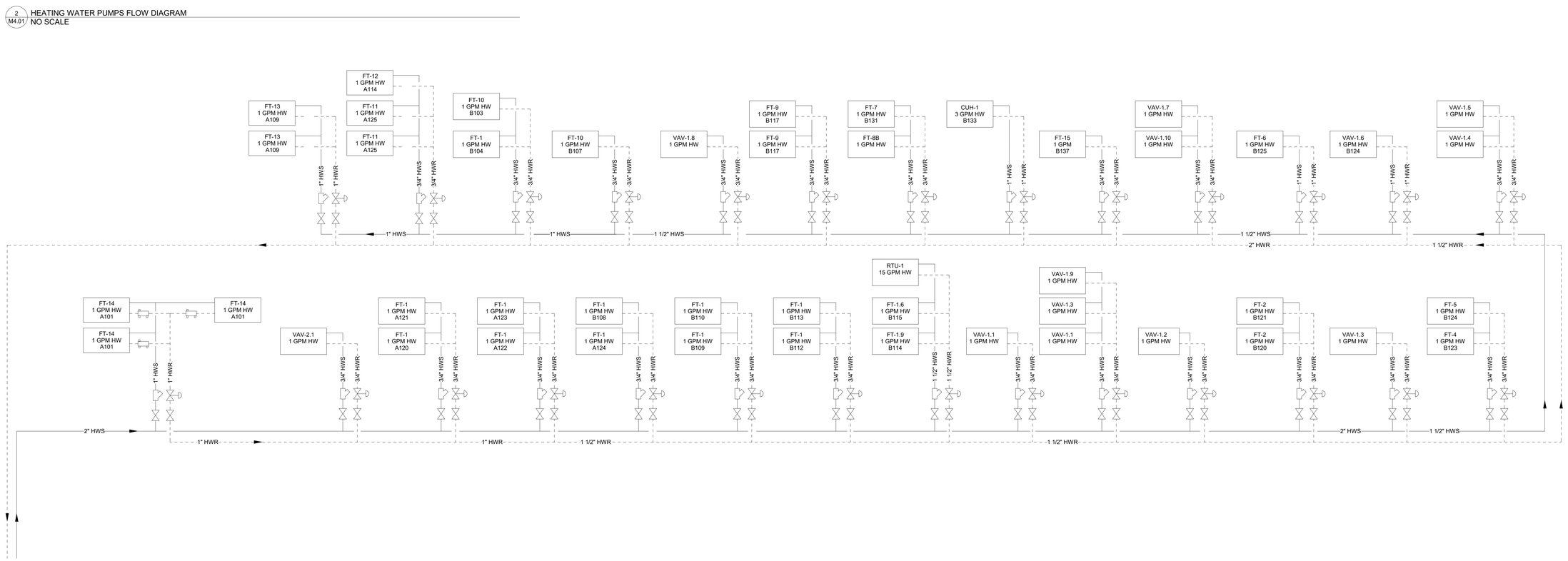
HVAC PIPING PLAN - FIRST FLOOR AREA B

Scale: 3/16" = 1'-0"

M4.00B



2 M4.01 HEATING WATER PUMPS FLOW DIAGRAM
NO SCALE



1 M4.01 HEATING WATER PIPING FLOW DIAGRAM
NO SCALE

M

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/M4.01 HVAC Piping Plan - Heating Water Flow Diagrams_R24.rvt
12/30/2025 3:44:38 PM

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN Inc.
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: **2024-056**
Date: **01/28/2025**
Drawn: **MS**
Check: **MK**

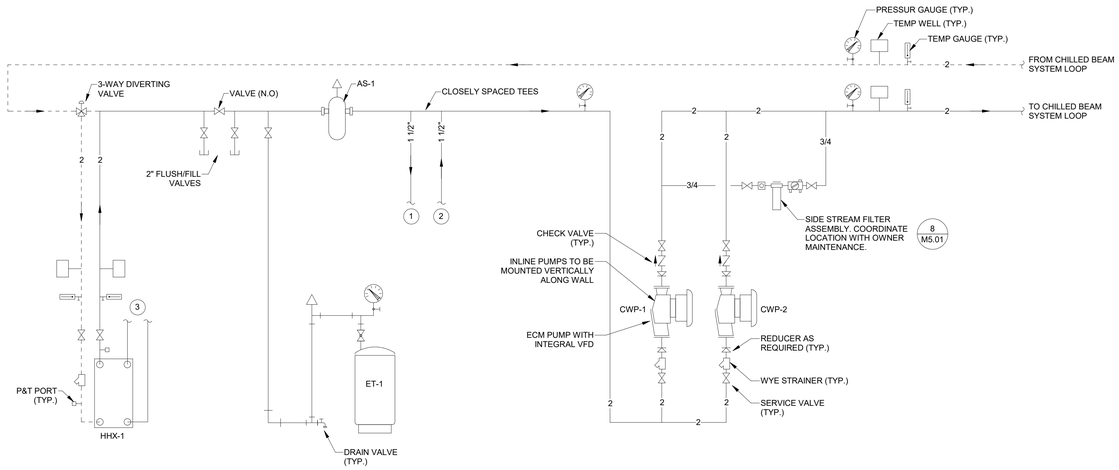
North

HVAC PIPING PLAN - HEATING WATER FLOW DIAGRAMS

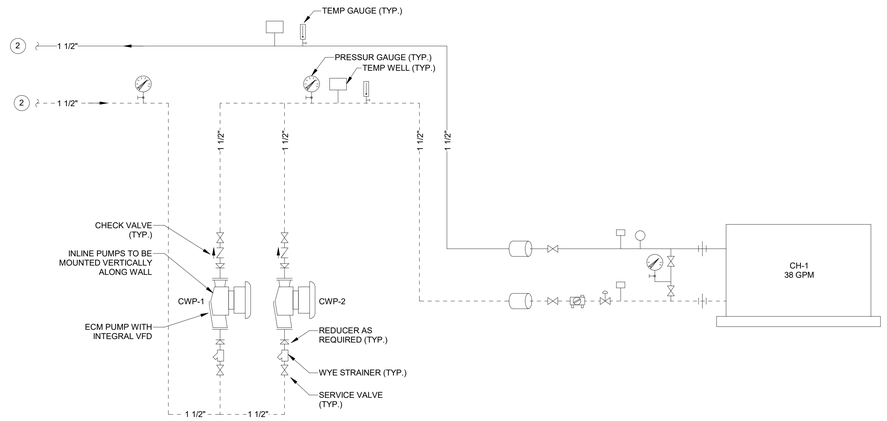
Scale: **12" = 1'-0"**

M4.01

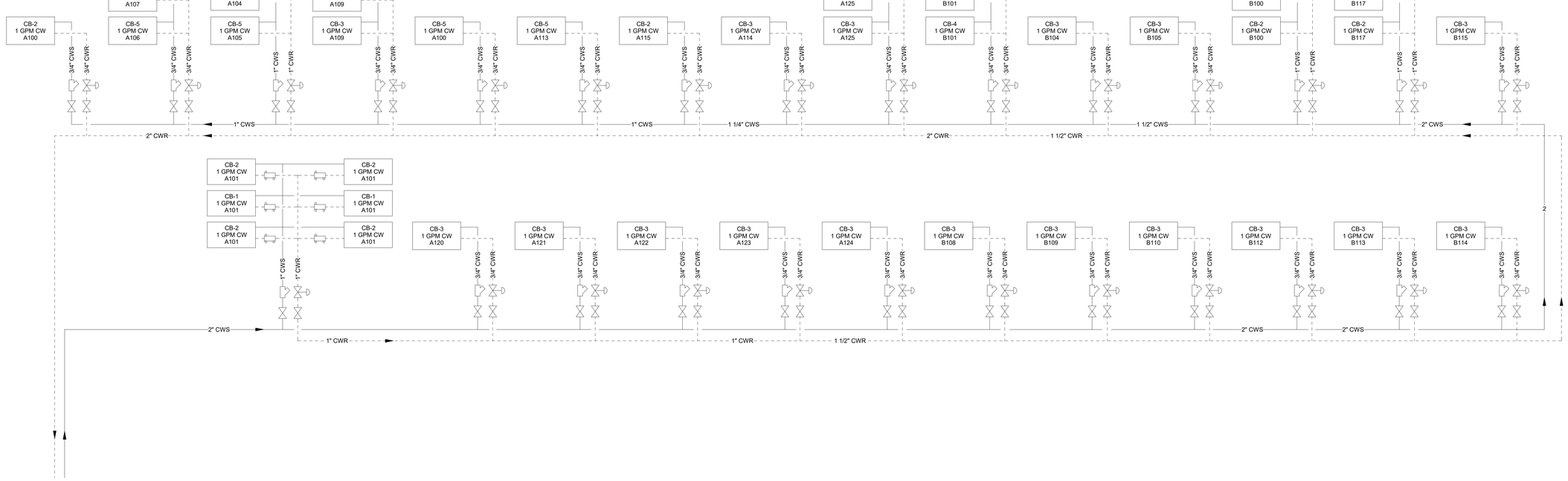
MN



2 M4.02 CHILLED WATER PUMPS FLOW DIAGRAM
NO SCALE



M



1 M4.02 CHILLED WATER PIPING FLOW DIAGRAM
NO SCALE

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039-Pelican Valley Senior Living Renovation_central.rvt
1/28/2025 3:49:37 PM

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

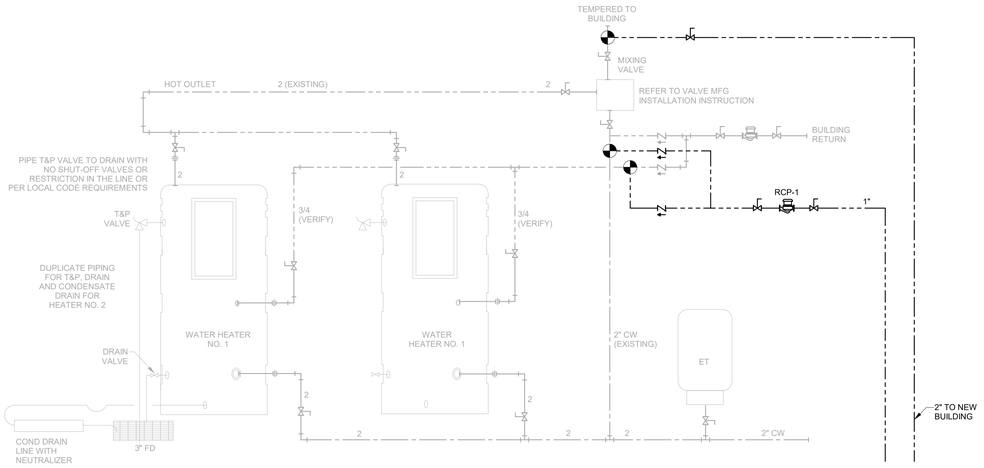
North

HVAC PIPING PLAN - CHILLED WATER FLOW DIAGRAMS

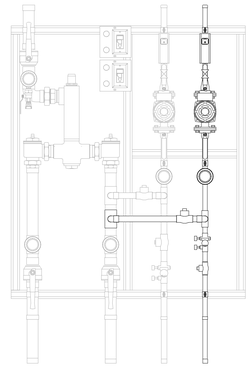
Scale: 12" = 1'-0"

M4.02

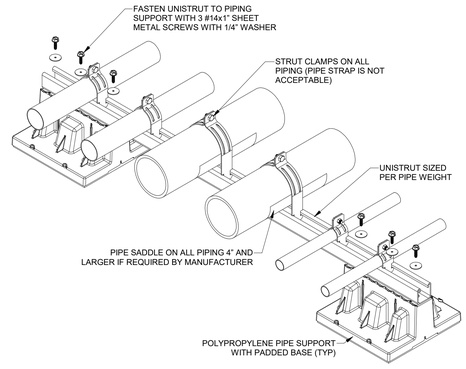
MN



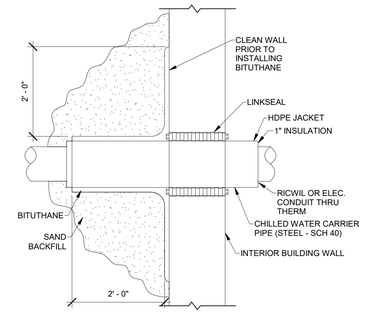
16 M5.00 WATER HEATER PIPING DETAIL
NO SCALE



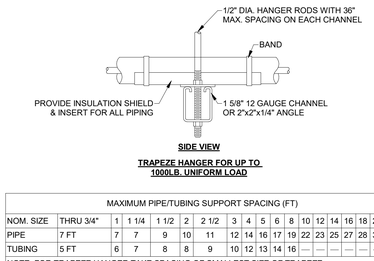
17 M5.00 MIXING VALVE DETAIL
NO SCALE



18 M5.00 TYPICAL ROOFTOP PIPE SUPPORT
NO SCALE



11 M5.00 TYPICAL UNDERGROUND PIPING THRU WALL DETAIL
NO SCALE



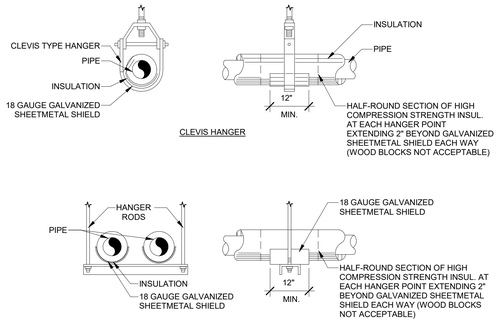
SIDE VIEW

TRAPEZE HANGER FOR UP TO 1000LB. UNIFORM LOAD

MAXIMUM PIPE/TUBING SUPPORT SPACING (FT)																		
NOM. SIZE	THRU 3/4"	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24
PIPE	7 FT	7	7	9	10	11	12	14	16	17	19	22	23	25	27	28	30	32
TUBING	5 FT	6	7	8	8	9	10	12	13	14	16	—	—	—	—	—	—	—

NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE OF TRAPEZE.

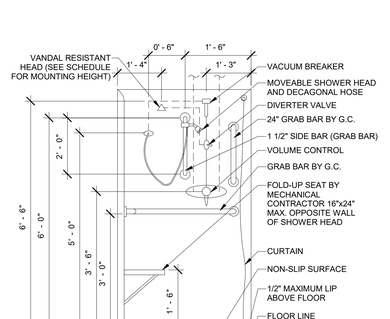
12 M5.00 TYPICAL TRAPEZE PIPE HANGERS
NO SCALE



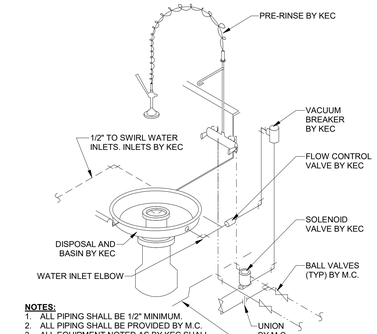
CLEVIS HANGER

TRAPEZE HANGER

13 M5.00 TYPICAL PIPE HANGERS
NO SCALE

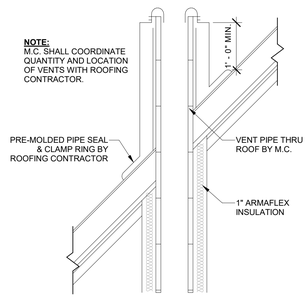


14 M5.00 ACCESSIBLE SHOWER DETAIL
NO SCALE

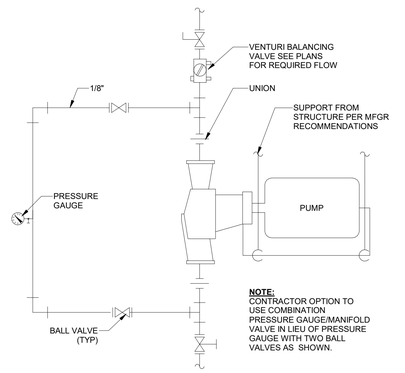


NOTES:
1. ALL PIPING SHALL BE 1/2" MINIMUM.
2. ALL PIPING SHALL BE PROVIDED BY M.C.
3. ALL EQUIPMENT NOTED AS BY KEC SHALL BE INSTALLED BY M.C.
4. KEC - KITCHEN EQUIPMENT CONTRACTOR.

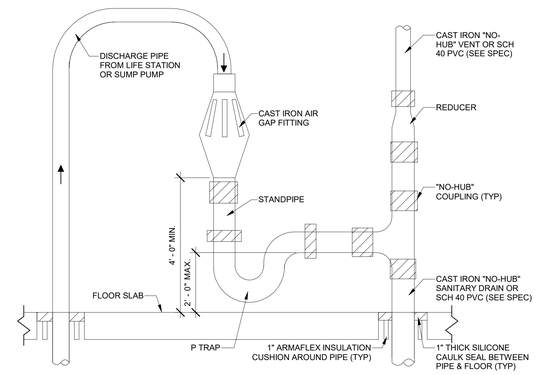
15 M5.00 DISPOSAL PIPING DIAGRAM
NO SCALE



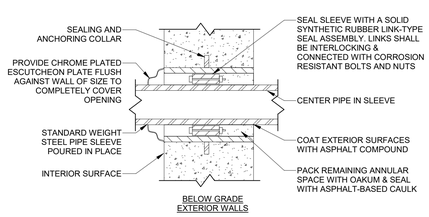
6 M5.00 VENT THRU ROOF DETAIL
NO SCALE



7 M5.00 VERTICAL INLINE PUMP PIPING DETAIL
NO SCALE

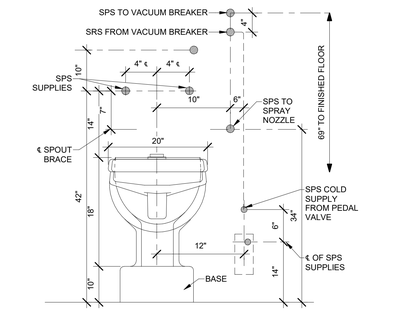


8 M5.00 AIR-GAP DRAIN DETAIL
NO SCALE

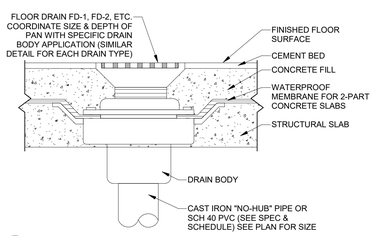


BELOW GRADE EXTERIOR WALLS

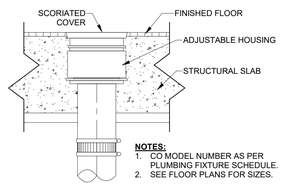
9 M5.00 LINK SEAL SLEEVE DETAIL
NO SCALE



10 M5.00 TYPICAL ROUGH-IN FOR CLINIC SERVICE SINK (FLOOR MOUNT)
NO SCALE

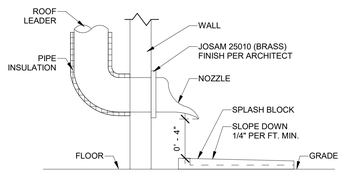


1 M5.00 FLOOR DRAIN DETAIL
NO SCALE

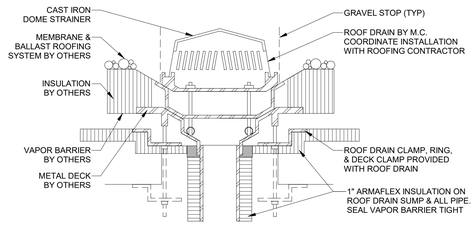


NOTES:
1. CO MODEL NUMBER AS PER PLUMBING FIXTURE SCHEDULE.
2. SEE FLOOR PLANS FOR SIZES.

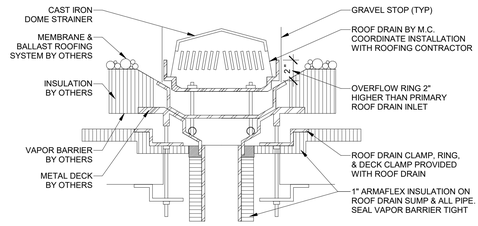
2 M5.00 INTERIOR CLEANOUT DETAIL
NO SCALE



3 M5.00 WALL NOZZLE DETAIL
NO SCALE



4 M5.00 ROOF DRAIN DETAIL
NO SCALE



5 M5.00 OVERFLOW ROOF DRAIN DETAIL
NO SCALE

M

Architect Drop 2024/09 - Pelican Valley Senior Living Renovation/2024 Add Revit Files/Senior Living Renovation_v25.rvt
12/20/2024 3:48:58 PM

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

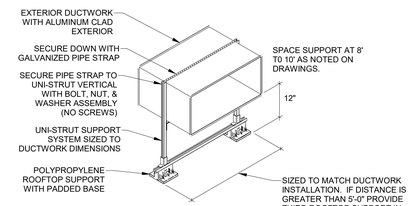
Comm: **2024-056**
Date: **01/28/2025**
Drawn: **MS**
Check: **MK**

North

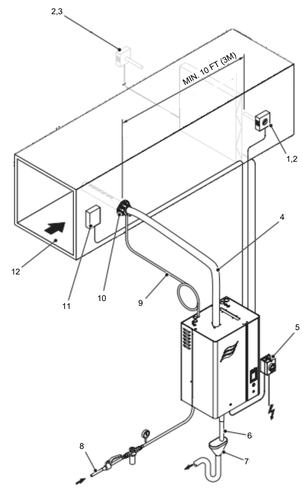
PLUMBING DETAILS

Scale: **As indicated**

M5.00

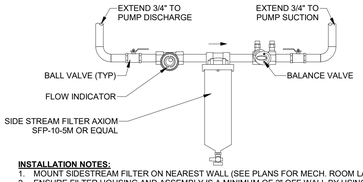


9 M5.01 ROOFTOP DUCT SUPPORT DETAIL
NO SCALE



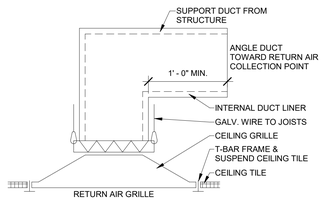
LEGEND:
1. HIGH LIMIT ON/OFF HUMIDISTAT (EXTERNAL SAFETY CHAIN)
2. HUMIDITY SENSOR OR MODULATING HUMIDISTAT (USED FOR CONTROL OF SPACE IN RETURN DUCT, OR HIGH LIMIT IN SUPPLY DUCT)
3. ON/OFF HUMIDISTAT (USED FOR HUMIDITY CONTROL)
4. STEAM LINE
5. ELECTRICAL DISCONNECT, HIGH VOLTAGE SUPPLY
6. DRAIN LINE
7. AIR GAP WITH OPTIONAL TRAP
8. WATER SUPPLY
9. CONDENSATE LINE
10. STEAM DISTRIBUTOR
11. AIR PROVING SWITCH
12. SUPPLY AIR DUCT
13. RETURN AIR DUCT

7 M5.01 HUMIDIFIER CONNECTION DETAIL
NO SCALE

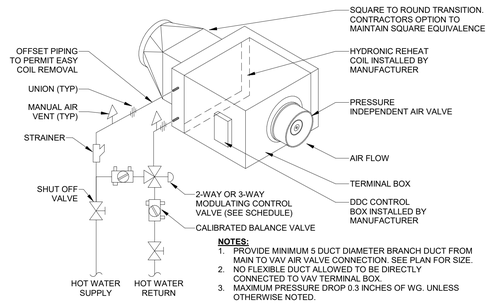


INSTALLATION NOTES:
1. MOUNT SIDESTREAM FILTER ON NEAREST WALL (SEE PLANS FOR MECH. ROOM LAYOUT).
2. ENSURE FILTER HOUSING AND ASSEMBLY IS A MINIMUM OF 2" OFF WALL BY USING BLOCKING AND UNISTRUT PIPE SUPPORTS.
3. PROVIDE ASFI OPENING TOOL.
4. PROVIDE 24 EXTRA CARTRIDGE FILTERS PER ASSEMBLY.
5. INSULATE 3/4" SUPPLY AD RETURN PIPING FROM BALL VALVES TO PIPING MAINS ON CHILLED AND GEOTHERMAL SYSTEMS (NOT REQUIRED ON BOILER SYSTEMS).

8 M5.01 TYPICAL SIDESTREAM FILTER DETAIL
NO SCALE

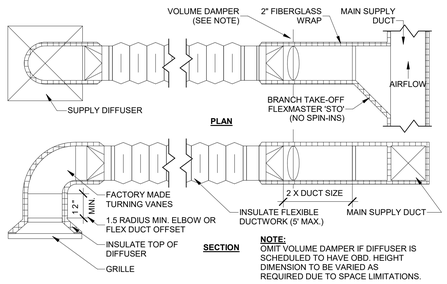


5 M5.01 GRILLE ASSEMBLY DETAIL
NO SCALE



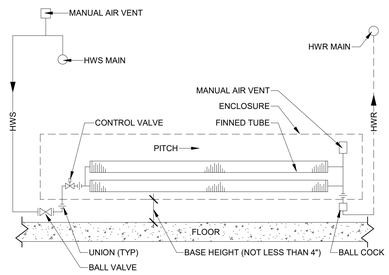
NOTES:
1. PROVIDE MINIMUM 5 DUCT DIAMETER BRANCH DUCT FROM MAIN TO VAV AIR VALVE CONNECTION. SEE PLAN FOR SIZE.
2. NO FLEXIBLE DUCT ALLOWED TO BE DIRECTLY CONNECTED TO VAV TERMINAL BOX.
3. MAXIMUM PRESSURE DROP 0.3 INCHES OF WG. UNLESS OTHERWISE NOTED.

6 M5.01 VAV HOT WATER COIL PIPING DIAGRAM
NO SCALE

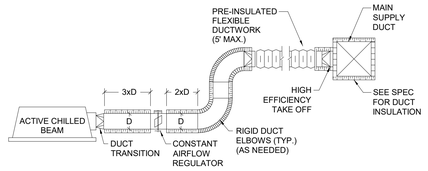


NOTE:
OMIT VOLUME DAMPER IF DIFFUSER IS SCHEDULED TO HAVE OBD. HEIGHT DIMENSION TO BE VARIED AS REQUIRED DUE TO SPACE LIMITATIONS.

1 M5.01 FLEXIBLE CONNECTION TO DIFFUSER DETAIL
NO SCALE



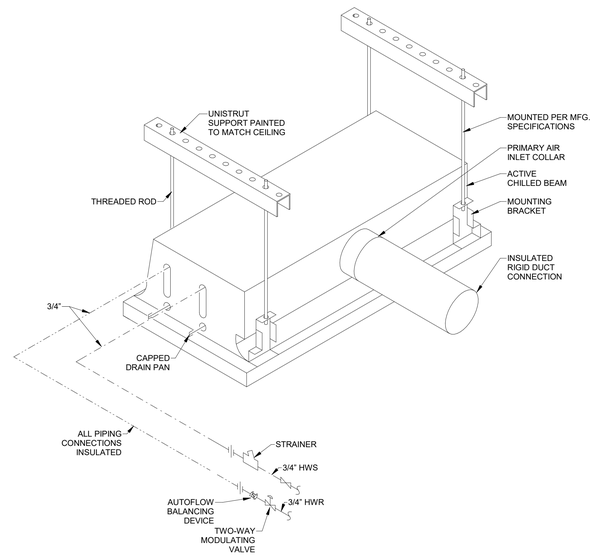
2 M5.01 HYDRONIC FIN TUBE RADIATOIN
NO SCALE



SECTION

NOTE:
1. PROVIDE ACCESS TO CONSTANT AIRFLOW REGULATOR AS REQUIRED. SEE PLANS FOR LOCATION. ACCESS BY OTHERS.
2. CONSTANT AIRFLOW REGULATORS LOCATION TO BE LABLED ON EXTERIOR OF DUCT INSULATION.

3 M5.01 TYPICAL CHILLED BEAM CONNECTION DETAIL
NO SCALE



4 M5.01 TYPICAL CHILLED BEAM PIPING DETAIL
NO SCALE

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24

© 2024 by JB Electrical Design, PC

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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

North

Scale: As Indicated

MECHANICAL DETAILS

M5.01

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 Pelican Valley Senior Living Renovation_mk2.rvt
1/28/2025 3:49:38 PM

MN

M

TEMP CONTROL VALVE SCHEDULE (TCV)

TAG	TCV-1 (KITCHEN EYEWASH)	
MAKE	LAWLER	
MODEL	911 EF	
TYPE	THERMOSTATIC	
SERVICE	DOMESTIC HOT WATER	
TEMPERATURE	105 TO 108 DEGREES	
FLOW (GPM)	5 TO 65 @ 20psi P.D.	
H/C INLETS	1/2"	
OUTLET	1/2"	
MATERIAL	BRONZE FINISH	
BODY	BRONZE	

NOTES:
1. ASSE 1017 APPROVED .
2. LIQUID FILLED THERMAL MOTOR.
3. REPLACEABLE CORROSION RESISTANT COMPONENTS.
4. UNION END STOP AND CHECK INLETS WITH REMOVABLE STAINLESS STEEL STRAINERS.
5. CIRCUIT SETTING BALANCING VALVE AND BALL VALVES.
6. STAINLESS STEEL SLIDING PISTON CONTROL MECHANISM.
7. PROVIDE ONE ADDITIONAL SPARE COMPLETE ASSEMBLY FOR OWNER'S USE.
8. PROVIDE WITH DIAL THERMOMETER AND SHUTOFF VALVE ON TEMPERED WATER.

INSTALLATION INSTRUCTIONS:
1. AFTER INSTALLATIONS BE SURE TO FLUSH THE SYSTEM THOROUGHLY.
2. MAKE SURE THE HOT WATER SUPPLY IS HEATED TO NORMAL DESIGN TEMPERATURE.
3. CLOSE AND TAG ALL FIXTURES TO ENSURE THEY ARE NOT USED DURING THIS PROCEDURE.
4. TURN OFF THE RECIRCULATING PUMP.
5. CREATE A DRAW ON THE SYSTEM GREATER THAN THE MINIMUM FLOW RATING OF THE MIXING VALVE. ALL OPEN FIXTURES MUST BE TAGGED TO ENSURE THEY ARE NOT TAMPERED WITH OR USED DURING THIS PROCEDURE.
6. ALLOW WATER TO FLOW THROUGH THE MIXING VALVE UNTIL THE WATER TEMPERATURE IS STABLE. IF NECESSARY, READJUST THE MIXING VALVE IN ACCORDANCE WITH THE TEMPERATURE ADJUSTMENT SECTION OF THE INSTALLATION MANUAL.
7. ONCE THE TEMPERATURE IS SET, START THE RECIRCULATING PUMP AND ALLOW THE SYSTEM TO REACH SET TEMPERATURE.
8. MEASURE THE WATER TEMPERATURE AT THE RETURN PUMP AND ADJUST THE AQUASTAT TO SHUT OFF THE PUMP SHOULD THE RETURN WATER EXCEED THE SET POINT BY 2°F. SET THE LOW LIMIT SWITCH TO RESTART THE RETURN PUMP WHEN RETURN WATER DROPS 5 DEGREES BELOW THE SET TEMPERATURE.
9. SET THE BALANCING VALVE IN THE FULL OPEN POSITION.
10. SHUT OFF ALL FIXTURES AND ENSURE THERE IS NO DRAW ON THE SYSTEM. THE COLD INLET TO THE MIXING VALVE SHOULD BE WARM.
11. ALLOW THE SYSTEM TO RUN IN THIS CONDITION FOR AT LEAST 30 MINUTES.
12. IN SOME CASES, AN INCREASE IN WATER TEMPERATURE MAY OCCUR DURING A NO DRAW PERIOD. IF THIS OCCURS, SLOWLY CLOSE THE BALANCING VALVE UNTIL THE WATER TEMPERATURE IS BACK TO THE ORIGINAL SET TEMPERATURE.

WATER CLOSET SCHEDULE (WC)

TAG	WC-1	WC-2
MAKE	AMERICAN STANDARD	AMERICAN STANDARD
MODEL NUMBER	2234.001	2234.001
MODEL NAME	MADERA	MADERA
FIXTURE MATERIAL	VITREOUS CHINA	VITREOUS CHINA
TYPE	FLUSH VALVE/FLR MTD	FLUSH VALVE/FLR MTD
FLUSH VALVE MAKE & MODEL NO	SLOAN ROYAL 111	SLOAN ROYAL 111 EBV-500-A SIDE MOUNT (BATTERY)
FIXTURE COLOR/R.I.	WHITE/12"	WHITE/12"
WATER CLOSET SEAT NUMBER	OLSONITE NO. 95	OLSONITE NO. 95
SEAT COLOR	WHITE	WHITE
NOTES	2,3,5,9,10,11	2,3,5,9,10,11

NOTES:
1. PRESSURE ASSISTED
2. ELONGATED BOWL
3. OPEN FRONT SEAT
4. OPEN FRONT SEAT W/COVER
5. 1.6 GAL/FLUSH
6. ANGLED SUPPLY W/WHEEL STOP
7. ANGLED SUPPLY W/KEYED STOP
8. CLOSE COUPLED TANK
9. HANDICAPPED HEIGHT/BARRIER FREE/ADA COMPLIANT
10. SELF SUSTAINING CHECK HINGE
11. FLUSH VALVE ON OPEN SIDE
12. SLOTTED RIM FOR BEDPAN
13. HARD WIRED W/TRANSFORMER
14. W/CARRIER

CLINIC SERVICE SINK SCHEDULE (CSS)

TAG	CSS-101 (FLOOR)	
MAKE	AMERICAN STANDARD	
MODEL	9504999.020	
FIXTURE MATERIAL	VITREOUS CHINA	
FAUCET MFGR. & NO.	AM ST 8345.118 (6" WRIST BLADE HANDLES)	
STRAINER	037640-0020A	
*OUTSIDE DIMENSION	29 1/2" x 20" x 18"	
PEDAL VALVE	AM ST 7679.012 (DOUBLE W/STOP)	
FLUSH VALVE	SLOAN ROYAL 117HYVO	
BEDPAN CLEANSER	7880.024 (VB, NOZZLE W/HOOK, PEDAL VALVES & LOOSE KEY STOP)	
NOTES	1,2,3,4,5	

NOTES:
1. FAUCET W/ BRACE & SCREWDRIVER STOP.
2. STAINLESS STEEL RIM GUARDS.
3. 10" TERRAZZO BASE BY OTHERS.
4. STAINLESS STEEL BOLT COVERS.
5. 1 1/2" TOP SPUD.
6. WITH CARRIER JOSAM 17735.
7. WASTE OUTLET SEAL.

MOP BASIN SCHEDULE (MB)

TAG	MB-1	
MAKE	FIAT	
MODEL	MSB 2424	
FIXTURE MATERIAL	MOLDED STONE	
FAUCET	CHICAGO 897	
FIXTURE COLOR	#219 WHT W/BLK	
NOTES	1,2,3,4,5,6,8	

NOTES:
1. 3" DRAIN
2. 3' RUBBER HOSE
3. MOP HANGER
4. HOSE BRACKET
5. COMBINATION DOME STRAINER & LINT BASKET
6. QUICK DRAIN CONNECTOR
7. 36" x 24" x 10"
8. 24" x 24" x 10"
9. EXPOSED PIPING

FLOOR DRAIN SCHEDULE (FD)

TAG	FD-1	FS-1
MAKE	JOSAM	JOSAM
MODEL	FD-100-A	49320A
STRAINER	SQUARE	1/2 GRATE
MATERIAL	N.B.	NICKALOY
ADJUST. STRAINER	YES	NA
CAST IRON BODY	YES	YES
NOTES	5,6	2,6,7

NOTES:
1. PRIMER TAP
2. SEDIMENT BUCKET
3. W/LINT BASKET AS DETAILED ON DRAWINGS.
4. W/INTEGRAL CLEANOUT
5. VANDALPROOF SCREWS
6. CLAMPING COLLAR WHERE REQUIRED
7. ACID RESISTANT SQ./DBLE. DRAINAGE FLANGE BOTTOM OUTLET.

ROOF/OVERFLOW DRAIN(RD)(OFD)

TAG	RD-1	ORD-1	
MAKE	JOSAM	JOSAM	
MODEL	21500-1-22	21500-1-17-22	
MUSHROOM DOME	CAST IRON	CAST IRON	
CAST IRON BODY	YES	YES	
NOTES	1,2,3	1,2,3,4	

NOTES:
1. NO HUB OUTLET.
2. FLASHING COLLAR.
3. UNDERDECK CLAMP AND DRAIN RECEIVER.
4. 2" HIGH SOLID CLAMPING COLLAR.
5. WITH JR SMITH DOWNSPOUT NOZZLE 1770 W/FLANGE AND WITH BRONZE FINISH (VERIFY).

CLEAN OUT (CO)

TAG	FLOOR	WALL
MAKE	JOSAM	JOSAM
MODEL	55000-1	58900
COVER	N. B. TOP	POLISHED ST.STL.
CLEANOUT PLUG	BRASS	BRASS
NOTES	1,2	2,5

NOTES:
1. CARPET MARKER IN CARPETED AREAS
2. VANDALPROOF SCREWS
3. SQUARE TOP, SATIN BONZE FINISH
4. HEAVY DUTY CAST IRON TOP
5. PLUG TAPPED FOR SCREW FOR 58600 ST. STL. COVER

BEAUTY SINK SCHEDULE (BB)

TAG	BB-1
MAKE	ADJUST-A-SINK
MODEL	K-100
FIXTURE MATERIAL	WILSONART
COLOR	BLACK
FIXTURE SET	STANDARD FIXTURE SET ASSE101 VAC BKR ANS SPRAY HOSE
BOWL SELECTION	COMFORT FIT #3050
LAMINATE COLOR	BLACK
SHROUD COLOR	STAINLESS STEEL
HAIR INTERCEPTOR	YES
MIXING VALVE	YES - ASSE 1070
REMARKS	1,3,4,6,7,8

NOTES:
1. 3/8" FLEX. H&C WATER SUPPLIES.
2. ANGLED WHEEL STOPS.
3. ANGLED KEYED STOPS.
4. 17 GA CHROME P-TRAP W/CLEANOUT.
5. CAST IRON OR PVC TRAP W/CLEANOUT.
6. NO OF HOLES & SPACING AS REQ. BY FAUCET.
7. SOUND DEADENING ON UNDERSIDE.
8. SELF-RIMMING W/BACK LEDGE FOR FAUCET.
* LENGTH (FRONT TO BACK) x WIDTH (LEFT TO RIGHT)

SHOWER SCHEDULE (SH)

TAG	SH-1	SH-2
MANUFACTURER	FIELD BUILT	FIELD BUILT
CONTROLS/HD NAME	DELTA TOUCH-CLEAN	DELTA TOUCH-CLEAN
CONTROLS MODEL NAME	MONITOR 13 SERIES	MONITOR 13 SERIES
CONTROLS NUMBER	DELTA T13H153	DELTA T13H153
ROUGH-IN	R10700-UNWS	R10700-UNWS
REMARKS	1,2,3,4,5,6,7,9,10,11,12,13	1,2,3,4,5,6,7,9,10,11,12,13

NOTES:
1. PRESSURE/ TEMP. BALANCED/ANTI-SCALD.
2. INSTALL HEAD W/ROUGH IN AT 6' 6" W/ARM AND FLANGE ABOVE SURROUND.
3. HEAD SHALL BE 42" TO 72" (ADJ.) ABOVE FLOOR .
4. 69" DOUBLE SPIRAL METAL HOSE.
5. MOUNT CONTROLS PER ADA REQ.
6. SLIP RESISTANT.
7. L-SHAPED WHITE FOLDUP SEAT.
8. VACUUM BREAKER/24" LONG 1 1/2" DIAMETER SLIDE BAR.
9. SHOWER DRAIN.
10. SHOWER CURTAIN WITH WEIGHTS BY G.C.
11. SHOWER ROD BY G.C.
12. GRAB BARS BY M.C. (SEE ARCHITECTURAL FOR LENGTHS AND PLACEMENT).
13. PROVIDE COLLAPSIBLE DAM FOR SHOWER.
14. 3 YEAR WARRANTY ON SHOWER.

LAVATORY SCHEDULE (L)

TAG	L-1	L-2
MAKE	INTEGRAL	INTEGRAL
MODEL NAME		
MODEL NUMBER		
FIXTURE MATERIAL		
FAUCET MAKE	DELTA	SLOAN
FAUCET MODEL NO	27T4834	EAF150
FIXTURE COLOR	WHITE	WHITE
NOTES	1,3,4,6,8,9,10,14,18	1,3,4,6,8,9,10,11,13,14,16,18

NOTES:
1. FLEX. SUPPLIES FOR H&C WATER
2. WHEEL ANGLED STOPS
3. KEYED ANGLED STOPS
4. 17 GA CHROME P-TRAP
5. WALL HUNG W/ CARRIER
6. HOLES TO MATCH FAUCET
7. 120 V ELECTRONIC SENSOR W/24 VOLT TRANSFORMER
8. ESTUCHEONS
9. THERMOSTATIC MIXING VALVE
10. INSULATED DRAIN & SUPPLIES 20. 32" TO RIM
11. BATTERY OPERATED SENSOR
12. EXTENDED LEVER HANDLE
13. OVAL BOWL
14. OPEN GRID DRAIN
15. POP-UP WASTE ASSEMBLY
16. FRONT OVERFLOW
17. FAUCET LEDGE
18. COUNTER MOUNTED
19. 29" CLEAR TO BOTTOM OF APRON

SINK SCHEDULE (S)

TAG	S-1
MAKE	JUST
MODEL	DLADA-1933-A-55-J
FIXTURE MATERIAL	STAINLESS STEEL
FAUCET MFGR. & NO.	DELTA 4380-DST
STRAINER	J-35's
DRAIN LOCATION	CENTER
*OUTSIDE DIMENSION	33x21
*INSIDE DIMENSION	14x16
DEPTH	5 1/2"
REMARKS	1,3,4,6,7,8

NOTES:
1. 3/8" FLEX. H&C WATER SUPPLIES.
2. ANGLED WHEEL STOPS.
3. ANGLED KEYED STOPS.
4. 17 GA CHROME P-TRAP W/CLEANOUT.
5. CAST IRON OR PVC TRAP W/CLEANOUT.
6. NO OF HOLES & SPACING AS REQ. BY FAUCET.
7. SOUND DEADENING ON UNDERSIDE.
8. SELF-RIMMING W/BACK LEDGE FOR FAUCET.
* LENGTH (FRONT TO BACK) x WIDTH (LEFT TO RIGHT)

DOMESTIC RECIRCULATING PUMP SCHEDULE

TAG	RCP-1	
MAKE	BELL & GOSSETT	
MODEL	ECOCIRC XL 36-45	
STYLE	IN-LINE	
GPM	5	
FT-HEAD	25	
MOTOR HP	0.5	
VOLTS/PH	120V/60C/1PH	
RPM	variable	
CONTROL	AQUASTAT/TIMER	
REMARKS	1,2,3	

NOTES:
1. COORDINATE WITH DIV 26 FOR ELECTRICAL.
2. BRONZE FITTED FOR DOMESTIC WATER USE.
3. AQUASTAT MUST BE USED FOR TEMPERING VALVE TO WORK PROPERLY.

EYEWASH SCHEDULE (EW)

TAG	EW-1	
MAKE	SPEAKMAN	
MODEL	SE-495	
FIXTURE MATERIAL	PLASTIC	
OPERATION	HAND	
NOTES	1,2,3,4	

NOTES:
1. 1/2" STAY OPEN BALL VALVE.
2. WALL BRACKET AND DETAILS.
3. PROVIDE STAND.
4. TEMPERING VALVE FOR EACH EW/SHR LAWLER 911E WITH CHECK VALVES OR APPROVED EQUAL (PIPE PER MFGRS INSTRUCTIONS).
5. PROVIDE SHOWERS WITH #9010 TEST BAGS.
6. 10" ABS PLASTIC HEADS, STAINLESS STEEL BOWL, CHROME PLATED FLOW CONTROL, TEMPERING VALVE, SAFETY STRIPES AND LABELS. WITH 30"x30" BASE UNIT WITH ACTUATING GRATE.

Autodesk Docs://2024-056 - Pelican Valley Senior Living Renovation/2024-056 Pelican Valley Senior Living Renovation_v23.rvt
1/28/2025 3:05:08 PM

Pelican Valley Senior Living Renovation
211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

North

PLUMBING SCHEDULES

Scale:

M5.02

MN

FINNED TUBE RADIATION SCHEDULE

TAG	FT-1	FT-2	FT-3	FT-4	FT-5	FT-6	FT-7	FT-8A	FT-8B	FT-9	FT-10	FT-11	FT-12	FT-13	FT-14	FT-15
ROOM	TYPICAL RESIDENT	ADMINISTRATOR B120	BOM B121	DON B123	HR B124	CONFERENCE B125	SALON B135	LOBBY 132	LOBBY 132	CHAPEL B117	LOUNGE B107	REHAB A125	MED PREP	REHAB A125	REHAB A125	CONFERENCE B125
MAKE	RITTLING	RITTLING	RITTLING	RITTLING	RITTLING	RITTLING	RITTLING	RITTLING	RITTLING	RITTLING	RITTLING	RITTLING	RITTLING	RITTLING	RITTLING	RITTLING
MODEL	SIBG3	SIBG3	SIBG3	SIBG3	SIBG3	SIBG3	SIBG3	SIBG3	SIBG3	SIBG3	SIBG3	SIBG3	SIBG3	SIBG3	SIBG3	SIBG3
ELEMENT LENGTH	48"	72"	48"	48"	48"	60"	60"	48	48	2 @ 96"	96"	2 @ 96"	96"	2 @ 96"	3 @ 96"	60"
COVER TYPE	LOW PROFILE	LOW PROFILE	LOW PROFILE	LOW PROFILE	LOW PROFILE	LOW PROFILE	LOW PROFILE	LOW PROFILE	LOW PROFILE	LOW PROFILE	LOW PROFILE	LOW PROFILE	LOW PROFILE	LOW PROFILE	LOW PROFILE	LOW PROFILE
COVER HEIGHT	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"
MOUNTING HEIGHT	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"	15"
WALL TO WALL	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	NO	YES
END CAPS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	YES	NO
CORNERS	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES	NO
ACCESS PANEL	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
ELEMENT SIZE	2.5X4	2.5X4	2.5X4	2.5X4	2.5X4	2.5X4	2.5X4	2.5X4	2.5X4	2.5X4	2.5X4	2.5X4	2.5X4	2.5X4	2.5X4	2.5X4
PIPE	3/4" COPPER	3/4" COPPER	3/4" COPPER	3/4" COPPER	3/4" COPPER	3/4" COPPER	3/4" COPPER	3/4" COPPER	3/4" COPPER	3/4" COPPER	3/4" COPPER	3/4" COPPER	3/4" COPPER	3/4" COPPER	3/4" COPPER	3/4" COPPER
FINS/FT	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
BTUH/FT	650	650	650	650	650	650	650	650	650	650	650	650	650	650	650	650
EAT	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
AVG WATER TEMP	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160	160
GPM	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
COVER COLOR	BY ARCHITECTURAL	BY ARCHITECTURAL	BY ARCHITECTURAL	BY ARCHITECTURAL	BY ARCHITECTURAL	BY ARCHITECTURAL	BY ARCHITECTURAL	BY ARCHITECTURAL	BY ARCHITECTURAL	BY ARCHITECTURAL	BY ARCHITECTURAL	BY ARCHITECTURAL	BY ARCHITECTURAL	BY ARCHITECTURAL	BY ARCHITECTURAL	BY ARCHITECTURAL
REMARKS	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3	1,3

NOTES
1. PROVIDE COVERS WALL TO WALL AS SHOWN WITH ACCESS PANELS FOR VALVING. FIELD MEASURE PRIOR TO RELEASING.
2. PROVIDE ACCESSORIES AS REQUIRED SEE PLAN FOR CONFIGURATION.

3. COLOR TO BE FROM CUSTOM OR STANDARD COLOR SELECTION CHART

ROOFTOP UNIT SCHEDULE (HW-DX)

TAG	DOAS-1	RTU-1
MANUFACTURER	DAIKIN	DAIKIN
MODEL	DPSC17B	DPSC07B
LOCATION	ROOF	ROOF
SUPPLY FAN TYPE		
TYPE	SWSI/AF	SWSI/AF
CFM	4000	3300
MIN OA CFM	4000	600
EXT. S.P.	2.0"	1.00"
FAN QTY	1	1
MOTOR BHP	4.2	1.16
MOTOR HP	7 (ECM)	3.0 (ECM)
FLA	15.2	10.9
DRIVE	DIRECT	DIRECT
FAN RPM	2229	1012
EXHAUST FAN TYPE		
TYPE	SWSI/AF	NO EXHAUST FAN
CFM	4000	
EXT. S.P.	1.5	
BHP	4.5	
MOTOR HP	4.5 ECM	
FLA	4.6	
COOLING COIL (DX)		
TOTAL BTUH	172159	96,883
SENSIBLE BTUH		
EAT DB/WB	84/69	80/87
LAT DB/WB	54/53	55/55
APD	0.27	0.25
HOT GAS REHEAT	YES	NO
CAPACITY	65000	45000
HEATING COIL		
BTUH	325000	165,000
EAT	24	50
LAT	95	95
APD	0.45	0.25
GPM	25	15
WPD	15 FT	5 FT
FLUID	35% GLYCOL	35% GLYCOL
FACE VELOCITY (MAX)	740	575
ENERGY RECOVERY WHEEL		
SA CFM/EA CFM	4000	NO WHEEL
SUMMER CONDITIONS		
OA (DB/WB)	95/76	
RA (DB/WB)	75/62	
SA (DB/WB)	82/68	
ENERGY RECOVERED	117131	
WINTER CONDITIONS		
OA (DB/WB)	-30	
RA (DB/WB)	70	
SA (DB/WB)	32/26	
ENERGY RECOVERED	265000	
EFFECTIVENESS (SUM/WIN)	58%	
FILTER MEDIA		
FILTER TYPE	PLEATED	PLEATED
FILTER EFFECIENCY	MERV 13	MERV 13
FILTER AREA (FT2)	18	17.6
FILTER FACE VELOCITY		
ELECTRICAL		
VOLTAGE	208/3/60	208/3/60
MCA	115	52.3
MROPD	175	70
SCCR	10 kAIC	10 kAIC
SOUND DATA		
MAX SOUND VALUES IN dB	RETURN / DISCHARGE	RETURN / DISCHARGE
63 Hz	86 86	74 74
125 Hz	84 87	73 76
250 Hz	92 95	81 84
500 Hz	87 92	76 81
1K Hz	89 95	78 84
2k Hz	83 89	77 83
4K Hz	78 86	72 80
8K Hz	72 80	67 75
PHYSICAL DATA		
WEIGHT (LB)	3100	1678
DIMENSIONS (IN)	121X74X86(H)	101X72X86(H)
NOTES		

NOTES:
1. PREMIUM EFFICIENCY MOTORS
2. PROVIDE RECTANGULAR ELBOW DISCHARGE AND RETURN SILENCER FOR RTU-1
3. HOTWATER SUPPLY/RETURN 160 DEG/140 DEG
4. PROVIDE 24" TALL CURB
6. PROVIDE DRAIN PAN UNDER FILTER SECTION, COIL SECTION, AND FAN SECTION
8. PROVIDE ABB, DANFOSS, APPROVED EQUAL DRIVE

CEILING EXHAUST FAN SCHEDULE (CEF)

TAG	CEF-1	CEF-2,3
MAKE	GREENHECK	GREENHECK
MODEL	SP-A200	SP-A110
TYPE	CEILING	CEILING
CFM	200	80
STATIC PRESSURE, IN WC	0.25	0.25
FAN RPM	900	950
DISCHARGE	WALL CAP	WALL CAP
SONES	2.0	0.8
HP	52 WATTS	16 WATTS
VOLTAGE / PHASE	115/1/60	115/1/60
FLA	0.46	0.19
DRIVE	DIRECT	DIRECT
CONTROL	SWITCH	OCCUPANCY/SWTICH
NOTES:	4,6,7	4

NOTES:
1. MOTOR WITH THERMAL OVERLOADS
2. GRAVITY BACKDRAFT DAMPER
3. REVERSE ACTING THERMOSTAT

VAV (VARIABLE AIR VOLUME) UNIT SCHEDULE

TAG	AREA SERVED	MANUFACTURER	MODEL	UNIT SIZE	INLET SIZE	OUTLET SIZE	CFM			GPM	# ROWS	WPD	APD	MBH	DISCHARGE NC (SONES)	REMARKS
					(IN.)	WxH (IN)	MAX	MIN	HTG							
VAV-1.1	ADMINSTRATOR		DESV	6	6	12x8	225	124	225	0.8	2	0.12	0.08	6.2	23	SEE NOTES BELOW
VAV-1.2	BOM		DESV	6	6	12x8	150	82	150	0.8	2	0.12	0.04	4.9	18	SEE NOTES BELOW
VAV-1.3	SPECIAL SERVICES		DESV	6	6	12x8	100	82	100	0.8	2	0.12	0.04	4.9	18	SEE NOTES BELOW
VAV-1.4	SCHEDULER		DESV	6	6	12x8	150	82	150	0.8	2	0.12	0.04	4.9	18	SEE NOTES BELOW
VAV-1.5	CONFERENCE		DESV	6	6	12x8	300	165	300	0.8	2	0.12	0.12	7.2	22	SEE NOTES BELOW
VAV -1.6	ACCOUNTS RECIEVABLE		DESV	7	7	12x10	400	220	400	0.8	2	0.18	0.12	9.6	24	SEE NOTES BELOW
VAV-1.7	BARBER		DESV	6	6	12x8	275	151	275	0.8	2	0.12	0.11	6.9	24	SEE NOTES BELOW
VAV-1.8	RECEPTION / CAFÉ		DESV	14	14	20x17.5	1500	825	1550	3	2	0.42	0.18	35.8	19	SEE NOTES BELOW
VAV-1.9	HR / CORRIDOR		DESV	6	6	12x8	250	138	250	0.8	2	0.12	0.09	6.6	23	SEE NOTES BELOW
VAV-1.10	OFFICE		DESV	6	6	12x8	150	82	150	0.8	2	0.12	0.04	4.9	18	SEE NOTES BELOW
VAV-2.1	PRE KITCHEN		DESV	7	7	12x10	600	330	600	1.9	2	0.52	0.23	14.3	25	SEE NOTES BELOW

NOTES:

1. AIRFLOWS TO BE SET AT FACTORY. MARK TAG NUMBER & CFM VALUES ON THE UNIT AT THE FACTORY.
2. SEE SPECIFICATION FOR TYPE AND OTHER CRITERIA INFORMATION.
3. MAXIMUM APD IS INCHES W.C. STATIC PRESSURE DROP AT MAXIMUM AIRFLOW LISTED ABOVE.
4. HEATING MODE: VAV BOX GOES TO MINIMUM CFM, IF ADDITIONAL HEATING IS NEEDED, THE HEATING VALVE MODULATES OPEN UNTIL MAXIMUM DAT HAS BEEN MET.
   IF ADDITIONAL HEAT IS NEED AIR VALVE SHALL MODULATE OPEN UNTIL SPACE TEMPERATURE HAS BEEN MET.
   HEATING CAPACITY BASED UPON 55%%DF EAT, 95%%DF LAT AND 140-120 HEATING WATER W/ 35% ETHELYNE GLYCOL.
5. PROVIDE FIELD MOUNTED DDC CONTROLS. PROVIDE MULTIPLE TRANSFORMERS AS NEEDED & 24 VAC TO EACH VAV BOX.
6. INLET SIZE IS INCHES DIAMETER, UNLESS INDICATED RECTANGULAR.
7. WPD IS LISTED IN FEET OF HEAD, APD IS LISTED IN INCHES WATER COLUMN, FACE VEL IS LISTED IN FPM.
8. NC LISTED IS BASED UPON A VALUE OF 10 NC WITHIN THE SPACE.
9. HEATING COIL CONSTANTS: EAT=55, LAT=95, EWT=150, FPI=10
10. ALL VAV UNITS ARE SET UP RIGHT HANDED
11. PRESSURE CONSTANTS: INLET SP = 1" W.C., DOWNSTREAM SP = 0.25" W.C.,

CHILLER SCHEDULE

TAG	CH-1
MAKE	ECOCHILLER
MODEL	ECTLA010A25B54
TYPE	AIR COOLED
EVAPORATOR	
EWT	60
LWT	50
FLUID	35% PROP GLYCOL
GPM	35
MAX PRESSURE DROP (FT HD)	15
FOULING FACTOR	0.001
CONDENSOR	
AMBIENT AIR TEMP	95
LOW AMBIENT	20
NO. OF FANS	1
HEAD PRESSURE CONTROL	YES
NO. COMPRESSORS	1
UNIT PERFORMANCE	
CAPACITY (TONS)	12
INPUT POWER (KW)	14.38
EER	11
UNIT PERFORMANCE	
CAPACITY (TONS)	13.1
ELECTRICAL	
VOLTAGE	208/3/60
STARTER	ACROSS THE LINE
MIN CIR AMPACITY	43
MOCP	135
REFRIGERANT	R410A
OPERATING WEIGHT (LBS)	
LENGTH x WIDTH x HEIGHT (IN)	

ACCESSORIES:

1. FACTORY MOUNTED AND WIRED SINGLE POINT NON FUSED DISC WITH SEPARATE CIRCUIT BREAKERS FOR SINGLE POINT CONNECTION
2. SERVICE ISOLATION VALVES
3. LOW SOUND FANS
4. PROVIDE HAIL GUARDS

CHILLED BEAM SCHEDULE

TAG	CB-1	CB-2	CB-3	CB-4	CB-5	CB-6
MAKE	DADANCO	DADANCO	DADANCO	DADANCO	DADANCO	DADANCO
MODEL	ACB40	ACB40	ACB40	ACB40	ACB40	ACB50
NOZZLE CONFIGUARTION	124-MN	100-SN	72-MN	36-MN	24-SN	68-MN
PRIMARY CFM	200	100	75	50	25	100
PRIMARY AIR PRESSURE	.3"	.3"	.3"	.3"	.3"	.3"
TOTAL CFM	743	430	327	142	110	323
COOLING						
PRIMARY EAT (DB/WB)	55/51	55/51	55/51	55/51	55/51	55/51
ROOM EAT (DB/WB)	75/62	75/62	75/62	75/62	75/62	75/62
NET SENSIBLE COOLING	8,465	5,529	4,689	2,221	1,623	4,594
TOTAL COOLING	10,861	6,727	5,746	2,820	1,922	5,667
EWT/LWT	57/65.5	57/63.8	57/62	57/63.8	57/59.2	57/62..9
GPM	1.0	1.0	1.0	1.0	1.0	1.0
WPD	1.2'	5.5'	3.9'	2.4'	2.4'	4'
FLUID	30% E.G.	30% E.G.	30% E.G.	30% E.G.	30% E.G.	30% E.G.
LAT	64.5	63.2	61.8	60.6	61.4	61.9
HEATING						
PRIMARY EAT	60	60	60	55	60	60
ROOM EAT	70	70	70	70	70	70
NET HEATING CAPACITY	11,910	8,486	6,151	2,736	2,792	7,080
EWT/LWT	120/92	120/101	120/105.6	120/113.5	120/113.9	120/105.9
GPM	1.0	1.0	1.0	1.0	1.0	1.0
WPD	4.7'	5'	3.6'	2.1'	2.1'	3.7'
FLUID	30% E.G.	30% E.G.	30% E.G.	30% E.G.	30% E.G.	30% E.G.
LAT	85.5	88.2	87.3	87.7	93.4	85.8
SOUND LEVEL (NC)	21	15	15	15	15	16
DIMENSIONS	24"x96"x9.64"	24"x72"x9.64"	24"x48"x9.64"	24"x24"x11.4"	24"x24"x11.4"	24"x72"x9.64"
INLET SIZE	8" ELLIPTICAL	6" ROUND	6" ROUND	4" ROUND	4" ROUND	6" ROUND
WEIGHT	124 LBS	96 LBS	64 LBS	40 LBS	40 LBS	96 LBS
NOTES:	1,2,3	1,2,3	1,2,3	1,2,3	1,2,3	1,2,3

NOTES:
1. PROVIDE LINT SCREEN OVER RETURN GRILLE
2. 6-WAY CONTROL VALVE AND THERMOSTAT PROVIDED AS NOTED ON PLANS BY ATC.
3. INSULATED BEAM PLENUMS
4. FACTORY INSTALLED DRAIN PAN.
5. PROVIDE COANDA WINGS FROM MANUFACTURER FOR BEAMS IN EXPOSED CEILINGS
6. REFER TO PLANS FOR LOCATION OF BEAMS REQUIRING PAINT MATCHING APPROVED BY ARCH

CABINET UNIT HEATER

TAG	CUH-1
MAKE	RITTLING
MODEL	RRWI-02
SIZE	
STYLE	FLOOR
TYPICAL SERVICE	VESTIBULE
CFM	150
HOT WATER COIL	
FLUID	30% EG
BTUH	25000
GPM	3
EWT	160
NO OF ROWS	2
CONTROL	2 WAY
ELECTRICAL	
VOLTAGE / PH	120/60/1
MOTOR HP	1/25
DIMENSIONS	
LENGTH	38
WIDTH/DEPTH	10
HEIGHT	27
SPACE SENSOR	YES
COLOR	BY ARCHITECT
FILTER	YES
RECESS	NO

NOTES:
1. DISCONNECT SWITCH AND PSC MOTOR
2. FAN SPEED SWITCH (UNIT MTD)
3. 2 WAY CONTROL VALVE
4. 2 ROW HIGH CAPACITY COIL.

PUMP SCHEDULE

TAG	HWP-1, HWP-2	HWP-3	CWP-1,CWP-2	CWP-3,CWP-4
MAKE	BELL & GOSSETT	BELL & GOSSETT	BELL & GOSSETT	BELL & GOSSETT
MODEL	ECOCIRC	ECOCIRC	ECOCIRC	ECOCIRC
STYLE	INLINE	INLINE	INLINE	INLINE
SERVICE	VAV, AHU, FTR	HX-1	CHILLED BEAM	CHILLER
SIZE	110-180	60-130	110-180	60-130
IMPELLER SIZE	--	--	--	--
GPM	110	28	50	35
FT-HEAD	50	25	45	25
MOTOR HP (EACH)	3.0 HP	1.0 HP	3.0 HP	1.0 HP
BHP	2.42	0.485	0.944	0.485
VOLTS/PH	208/3	208/3	208/3	208/3
RPM	3115	2275	2550	2275
CONTROL	ECM	ECM	ECM	ECM
MIN EFF %	--	--	--	--
NOTES:	1,2,3,4	1,2,3,4	1,2,3,4	1,2,3,4

NOTES:
1. COORDINATE ALL POWER CONNECTIONS WITH E.C.
2. ALL PUMP SEALS TO BE COMPATIBLE WITH 35% P.G.
3. CONTROLLED BY EXTERNAL 0-10 VDC SIGNAL
4. PROVIDE PUMP WITH ATC COMPATIBLE BACNET CARD

KITCHEN EXHAUST FAN SCHEDULE

TAG	KEF-1	KEF-2
MAKE	GREENHECK	GREENHECK
MODEL	CUE-140-VG	CUE-0990VG
TYPE	UPBLAST	UPBLAST
CFM	1,500	650
STATIC PRESSURE, IN WC	1.5	0.75
FAN RPM	1,665	1,505
DISCHARGE	UPBLAST	UPBLAST
SONES	12.7	8.4
HP	1	1/4
VOLTAGE / PHASE	115/1/60	115/1/60
DRIVE	DIRECT	DIRECT
CONTROL	KITCHEN HOOD	DISHWASHER
NOTES:	1,2,3,4,7	1,4,5,6

NOTES:
1. PROVIDE 18" TALL INSULATED ROOF CURB TO MOUNT FAN
2. VERIFY UNIT IS UL-762 LISTED "POWER VENT FOR RESTAURANT EXHAUST APPLICATIONS"
3. INCLUDE: MOUNTED AND WIRED DISCONNECT SWITCH, HEAT BAFFLE, CLEAN-OUT PORT,

DIFFUSER SCHEDULE

TAG	S-1	R-1	TA-1	E-1
MAKE	PRICE	PRICE	PRICE	PRICE
MODEL	SPD	530	SPD	530
FACE	PLAQUE	LOUVERED	PLAQUE	LOUVERED
MOUNTING	LAY-IN	LAY-IN	LAY-IN	LAY-IN
NC	<20	<15	<20	<20
COLOR	BY ARCH	BY ARCH	BY ARCH	BY ARCH
OBD	NO	NO	NO	NO

NOTES
1. VERIFY FRAME TYPE AND LOCATION WITH ARCHITECT
2. SUBMITTAL TO INCLUDE ROOM SCHEDULE INDICATING DETAILS FOR UNITS IN EACH ROOM.
3. PRESSURE DROP NOT TO EXCEED 0.10" W.C., NC RATING NOT TO EXCEED 30 dB WITH ROOM dB OF 10.

MINI SPLIT SCHEDULE (MS)

TAG	MS-1	
MAKE	CARRIER	
UNIT MODEL NO.	INDOOR UNIT: 40MPHAQ09XA3	
	OUTDOOR UNIT: 38MPRAQ09AA3	
CAPACITY (BTU/H)	COOLING: 9,000	
	HEATING: 10,000	
WET AIR FLOW - HI / LOW (CFM)	345/144	
SEER (COOLING)	42.0	
POWER SUPPLY - V, PHASE (HZ)	230/208V, 1PH, 60HZ	
MCA	13	
FUSE OR CIRCUIT BREAKER CAPACITY (A)	N/A - INDOOR	
	15 - OUTDOOR	
LOW AMBIENT CONTROL	NO	
WIRED REMOTE CONTROLLER	YES	
FAN SPEEDS	4	
AIR FILTER (DB-A)	LINT SCREEN	
REFRIGERANT (DB-A)	R-410A	
REFRIGERANT CONTROL	ELECTRIC EXPANSION VALVE	
REFRIGERANT PIPING	FLARE TYPE	
	1/4" LIQUID	
	3/8" GAS	
REFRIGERANT PIPE LENGTH	MAX. 98 FT.	
ELEVATION DIFFERENCE MAX	49'	
HEIGHT	INDOOR UNIT: 11.7"	
	OUTDOOR UNIT: 27.6"	
WIDTH	INDOOR UNIT: 35.2"	
	OUTDOOR UNIT: 33.3"	
DEPTH	INDOOR UNIT: 9.8"	
	OUTDOOR UNIT: 14.3"	
NET WEIGHT	INDOOR UNIT: 38 LBS.	
	OUTDOOR UNIT: 108 LBS.	

NOTE:
1. ROUTE CONDENSATE TO MOP BASIN UNLESS OTHER WISE NOTED ON PLAN.
2. PROVIDE HIGH WATER ALARM IN DRAIN PAN. UNIT TO SHUT DOWN UPON ALARM.
3. CONTROL WIRING BY THIS CONTRACTOR.
4. PROVIDE RUBBER VIBRATION ISOLATION PADS UNDER ALL CONDENSING UNITS.
5. INDOOR UNITS ARE POWERED THROUGH OUTDOOR UNIT.

HUMIDIFIER SCHEDULE

TAG	H-1	
MANUFACTURER	CONDAIR	
MODEL	EL50	
CAPACITY	10-50 LBS/HR	
NO. OF CYLINDERS	1	
CFM	2500-2800	
DUCT WIDTH	22 (VERIFY)	
STEAM PRESSURE	ATMOSHPHERIC	
ELECTRICAL		
VOLTAGE	208/3/60	
KW	18.7	
MCA	52	
MAX OVERCURRENT	70	
NOTES		

NOTES:
1. CAPACITY BASED ON 208/3/60
2. COORDINATE DISPERSION TUBE LENGTH W/ ACTUAL DUCT SIZE.
3. PROVIDE HUMIDITY HIGH LIMIT SWITCH DOWNSTREAM OF HUMIDIFIER.
4. COORDINATE ACCESS AND SERVICE SPACE W/ OTHER TRADES.

HEATER EXCHANGER SCHEDULE

TAG	HHX-1
MAKE	BELL & GOSSETT
MODEL	BP412-40
BTUH	416,883
PRIMARY WATER	
GPM	28
EWT/LWT	160/130
% GLYCOL	30% E.G.
WPD (PSI)	4.39
CHILLED BEAM	
GPM	42
EWT	100
LWT	120
% GLYCOL	30% E.G.
WPD (PSI)	8.76
DIMENSIONS	4.4Wx12.2Hx5.17D
WEIGHT	14 LBS
CONNECTIONS	1" MALE NPT

NOTES:
1. ASME RATED
2. 316L SS PLATES WITH COPPER BRAZING MATERIAL
3. PROVIDE FLOOR MOUNTING BRACKET AND INSULATION KIT

AIR SEPARATOR SCHEDULE

TAG	AS-1
MANUFACTURER	BELL & GOSSETT
MODEL	IAS-2
GPM	45
PIPE SIZE	2"
CONNECTION	NPT
SYSTEM SERVED	CHILLED BEAM HEATING
NOTES	

1. HANG FROM STRUCTURE PER MFG'S RECOMMENDATIONS
2. ASME RATED

EXPANSION TANK (ET)

TAG	ET-1
MAKE	BELL & GOSSETT
MODEL	D-144
SYSTEM	HEATING WATER
STYLE	DIAPHRAM
DIAPHRAM MAT	HEAVY DUTY BUTYL
TANK VOLUME	80
MAX ACCEPT. VOL.	65
TANK PRESSURE	12 PSI
MAX PRESSURE	125 PSI
OPERATING WEIGHT	934 LBS
DIMENSIONS	22" DIA x 49" HIGH
NOTES:	1,2,3,4

NOTES:
1. PROVIDE PRESSURE GAGE
2. 1 YEAR TANK WARRANTY
3. ASME RATED TANK
4. PROVIDE SIGHT GLASS

M

Pelican Valley Senior Living Renovation
211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24

© 2024 by JB Electrical Design, PC

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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

North

MECHANICAL SCHEDULES

Scale:

M5.03

Archived Plans (2025)\01 - Plans\Archive Sheets\Pelican Valley Renovation2024.rvt Plotted: Valley, Brenton Living Renovation_Pro2.ctb 1/28/2025 3:03:07 PM

MN

CHILLED BEAM AHU POINT SCHEDULE

TAG	POINT DESCRIPTION		POINT TYPE AI	DI	AO	DO	NETWORK	NOTES
1	SUPPLY FAN VFD	STATUS		●			BACnet	1,2
2		ALARM		●			BACnet	1,2
3		COMMAND				●	BACnet	1,2
4		SPEED			●		BACnet	1,2
5	RETURN FAN VFD	STATUS		●			BACnet	1,2
6		ALARM		●			BACnet	1,2
7		COMMAND				●	BACnet	1,2
8		SPEED			●		BACnet	1,2
9	OUTSIDE AIR	TEMPERATURE	●				BACnet	9
10		HUMIDITY	●				BACnet	9
11	RETURN AIR	TEMPERATURE	●					2
12		HUMIDITY	●					2
13	WHEEL EXHAUST AIR	TEMPERATURE	●					2
14		HUMIDITY	●					2
15	WHEEL DISHCARGE AIR	TEMPERATURE	●					2
16		HUMIDITY	●					2
17	DISCHARGE AIR	TEMPERATURE	●					2,5,6
18		HUMIDITY	●					2
19	OUTSIDE AIR DAMPER	DAMPER COMMAND			●			2,5
20		DAMPER FEEDBACK	●					
21	EXHAUST AIR DAMPER	DAMPER COMMAND			●			2,5
22		DAMPER FEEDBACK	●					
23	RECIRCULATION DAMPER	DAMPER COMMAND				●		2,5
24		DAMPER FEEDBACK	●					
25	PRESSURE SENSOR	FILTER SWITCH	●					2,3
26		FILTER SWITCH	●					2,3
27		DUCT STATIC PRESSURE	●					2
28	HOT WATER VALVE	VALVE COMMAND			●			2,5
29		VALVE FEEDBACK	●					
30	CHILLED WATER VALVE	VALVE COMMAND			●			2,5
31		VALVE FEEDBACK	●					
32	ENERGY WHEEL	ENABLE				●		2,5
33		SPEED COMMAND	●					2
34		ALARM/FAULT		●				2
35	ENTHALPY	CALCULATION (BTUH)					BACnet	2,5
36	DEHUMIDIFCATION	SETPOINT (RH OR DEWPOINT)					BACnet	2,5

NOTES:
1. VFD PROVIDED BY MECH CONTRACTOR. ATC TO PROVIDE ALL WIRING CONNECTION FROM VFD TO EQUIPMENT, SENSORS & BMS COMMUNICATION
2. PROVIDE GRAPHICAL USER INTERFACE (GUI) STATUS
3. PROVIDE ALARM AT END USER CONTROL WORKSTATION IN GUI
4. PROVIDE ENTHALPY CACULATION FOR THE PURPOSE OF ECONOMIZER MODE
5. PROVIDE GUI SET POINT AND OVERRIDES OF THIS POINT
6. PROVIDE LOW DISCHARGE AIR TEMPERATURE ALARM
7. FACTORY TO PROVIDE DAMPERS ON UNIT, ATC TO PROVIDE ACTUATORS
8. ALL CONTROL VALVES TO BE PROVIDED BY ATC
9. GLOBAL POINT FROM BUILDING OUTDOOR AIR TEMPERATURE AND HUMIDITY SENSOR

SEQUENCE OF OPERATION
CONSTANT VOLUME AIR HANDLING UNIT WITH REHEAT INDUCTION TERMINAL UNITS:
DOAS-1

BUILDING AUTOMATION SYSTEM INTERFACE:
THE BUILDING AUTOMATION SYSTEM (BAS) SHALL SEND THE CONTROLLER AN OCCUPIED, UNOCCUPIED, OPTIMAL START/STOP, NIGHT HEAT/COOL AND TIMED OVERRIDE COMMANDS. THE BAS SHALL ALSO SEND A DISCHARGE AIR TEMPERATURE SETPOINT AND A DUCT STATIC PRESSURE SETPOINT. IF COMMUNICATION IS LOST WITH THE BAS, THE CONTROLLER SHALL OPERATE IN THE OCCUPIED COOLING MODE USING ITS DEFAULT SETPOINTS.

OCCUPIED MODE:
DURING OCCUPIED PERIODS THE SUPPLY FAN AND RETURN FAN SHALL RUN CONTINUOUSLY AND THE OUTSIDE AIR DAMPER SHALL OPEN TO MAINTAIN MINIMUM VENTILATION REQUIREMENTS. ALL VALVES SHALL MODULATE TO MAINTAIN THE DISCHARGE AIR TEMPERATURE COOLING SETPOINT (55°F ADJ.). IF THE DISCHARGE AIR TEMPERATURE SENSOR FAILS DURING NORMAL OPERATION ALL ASSOCIATED VALVES SHALL CLOSE AND AN ALARM SHALL BE ANNUNCIATED. THE DISCHARGE AIR TEMPERATURE SETPOINT SHALL FOLLOW A STRAIGHT LINE RELATIONSHIP FOR THE FOLLOWING CONDITIONS:

65°F WHEN OUTDOOR AIR TEMPERATURE IS 0°F AND BELOW (ADJ.)
50°F WHEN OUTDOOR AIR TEMPERATURE IS 60°F AND ABOVE (ADJ.)

OUTSIDE/EXHAUST/RECIRCULATION AIR DAMPER CONTROL :
THE OUTSIDE AND EXHAUST AIR DAMPERS SHALL BE OPEN WHEN UNIT IS IN OCCUPIED MODE AND CLOSED WHEN THE UNIT IS IN UNOCCUPIED MODE. THE RECIRCULATION DAMPER SHALL BE OPEN WHEN THE UNIT IS IN UNOCCUPIED MODE AND CLOSED WHEN THE UNIT IS IN OCCUPIED MODE.

ENERGY WHEEL:
THE ENERGY WHEEL SHALL OPERATE IN MODES CONSISTING OF: START-UP, HEATING, COOLING AND FROST. THE START-UP MODE SHALL OCCUR WHEN THE UNIT IS IN OCCUPIED MODE AND COMMAND THE ENERGY WHEEL VFD TO 50% FOR A PERIOD OF 2 MINUTES (ADJ.). AFTER WHICH THE ENERGY RECOVERY WHEEL MAY BEGIN HEATING OR COOLING MODE.

THE ENERGY RECOVERY WHEEL SHALL ENTER HEATING MODE WHEN OUTSIDE AIR TEMPERATURE IS BELOW THE DISCHARGE AIR TEMPERATURE SETPOINT AND ABOVE THE FORST TEMPERATURE SETPOINT. MODULATE ENERGY WHEEL SPEED TO MEET DISCHARGE AIR TEMPERATURE SETPOINT. THE HOT WATER HEATING COIL SHALL BE USED IN ADDITION TO THE ENERGY RECOVERY WHEEL TO MEET DISCHARGE TEMPEARTURE SETPOINT. THE CONTROL VALVE SHALL MODULATE AS REQUIRED TO MAINTAIN DISCHARGE TEMPERATURE SETPOINT.

THE ENERGY RECOVERY WHEEL SHALL ENTER COOLING MODE WHEN THE OUTSIDE AIR TEMPERATURE IS GREATER THAN THE RETURN AIR TEMPERATURE. MODULATE ENERGY RECOVERY WHEEL SPEED TO MEET DISCHARGE AIR TEMPERATURE SETPOINT, THE DEFAULT ENERGY WHEEL VFD SPEED SHALL BE 100%. THE CHILLED WATER COOLING COIL SHALL BE USED IN ADDITION TO THE ENERGY RECOVERY WHEEL TO MEET DISCHARGE TEMPERATURE SETPOINT. THE CONTROL VALVE SHALL MODULATE AS REQUIRED TO MAINTAIN DISCHARGE TEMPERATURE SETPOINT.

THE ENERGY WHEEL SHALL ENTER FROST MODE TO PREVENT THE ENERGY WHEEL FROM FREEZING. MAINTAIN A MINIMUM OF EXHAUST AIR DISCHARGE AIR TEMPERATURE OF 15°F

SUPPLY FAN:
THE ECM SUPPLY FAN ARRAY SHALL BE PROVIDED BY THE AHU MANUFACTURER AND SHALL BE FACTORY MOUNTED AND WIRED TO THE FAN MOTORS.

IN OCCUPIED MODE, THE SUPPLY FAN ARRAY SHALL OPERATE CONTINUOUSLY.

IN UNOCCUPIED MODE, THE SUPPLY FAN SHALL BE AT 50% (ADJ.) OF AIRFLOW WITH THE OUTSIDE/EXHAUST AIR DAMPERS CLOSED AND THE RETURN AIR DAMPER OPEN. THE SUPPLY FAN SHALL GO TO 100% AIRFLOW IF ANY ZONES SERVED BY CHILLED BEAMS RISES MORE THAN 4°F (ADJ.) OF UNOCCUPIED COOLING SPACE SETPOINT OF 80°F (ADJ.). SUPPLY FAN WILL OPERATE AT 100% UNTIL ALL ZONES SERVED ARE WITHIN 2°F (ADJ.) BELOW UNOCCUPIED SETPOINT. THE SUPPLY FAN SHALL GO TO 100% AIRFLOW IF ANY ZONES SERVED BY CHILLED BEAMS FALLS MORE THAN 4°F (ADJ.) OF UNOCCUPIED HEATING SPACE SETPOINT OF 68°F (ADJ.). SUPPLY FAN WILL OPERATE AT 100% UNTIL ALL ZONES SERVED ARE WITHIN 2°F (ADJ.) ABOVE UNOCCUPIED SETPOINT.

IF THE SUPPLY FAN FAILS TO PROVE STATUS FOR 30 SECONDS (ADJ), THE FAN SHALL BE COMMANDED OFF, THE OUTSIDE AIR DAMPER AND ALL VALVES SHALL CLOSE AND AN ALARM SHALL BE ANNUNCIATED. A MANUAL RESET IS REQUIRED TO RESTART THE FAN.

RETURN FAN:
THE ECM FAN ARRAY SHALL BE PROVIDED BY THE AHU MANUFACTURER AND SHALL BE FACTORY MOUNTED AND WIRED TO THE FAN MOTORS. THE RETURN FAN ARRAY SHALL ENERGIZE 30 SECONDS AFTER SUPPLY FAN ARRAY HAVE ENERGIZED. THE RETURN FAN ARRAY SHALL OPERATE AT 50% IN THE UNOCCUPIED MODE. WHEN THE CONTROLLER IS IN THE OCCUPIED MODE, THE RETURN FAN ARRAY SHALL OPERATE CONTINUOUSLY. THE RETURN FAN ARRAY SHALL LAG BEHIND THE SUPPLY FAN ARRAY SPEED AS DETERMINED BY THE TEST AND BALANCE CONTRACTOR TO MAINTAIN A MINIMUM OUTSIDE AIR CFM.

IF THE RETURN FAN FAILS TO PROVE STATUS FOR 30 SECONDS (ADJ.), THE FAN SHALL BE COMMANDED OFF, THE OUTSIDE AIR DAMPER AND ALL COOLING AND HEATING SHALL BE DISABLED AND AN ALARM SHALL BE ANNUNCIATED. A MANUAL RESET IS REQUIRED TO RESTART THE FAN.

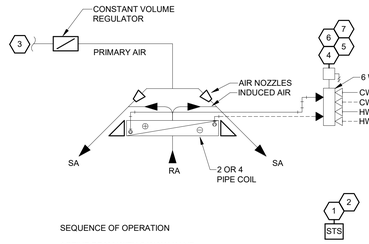
DEHUMIDIFICATION MODE:
THE RELATIVE HUMIDITY OF THE RETURN AIR SHALL BE MONITORED. IF THE RELATIVE HUMIDITY IN THE RETURN AIR RISES ABOVE 60% (ADJ.) THE UNIT SHALL ENTER DEHUMIDIFICATION MODE. DURING THIS TIME THE CHILLED WATER VALVE SHALL MODEL TO 100% OPEN WITH THE HEATING VALVE MODULATING TO MAINTAIN THE REQUIRED DISCHARGE AIR TEMPERATURE. UNIT SHALL OPERATE IN THIS MODE UNTIL RELATIVE HUMIDITY OF THE RETURN AIR STREAM DROPS BELOW 40% (ADJ.)

FILTER STATUS:
A DIFFERENTIAL PRESSURE SWITCH SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE FILTER WHEN THE FAN IS RUNNING. IF THE SWITCH CLOSES DURING NORMAL OPERATION A DIRTY FILTER ALARM SHALL BE ANNUNCIATED.

FIRE ALARM/SMOKE DETECTOR:
ON AN INDICATION OF SMOKE DETECTOR OR FIRE ALARM IN THE SPACE SERVED BY THIS UNIT OR BY THE UNIT SMOKE DETECTOR, THE FANS SHALL BE ELECTRONICALLY INTERLOCKED TO SHUT DOWN. THE CONTROL SYSTEM SHALL MONITOR THE SMOKE/FIRE DETECTION STATUS AND ALARM AT THE OPERATORS WORKSTATION ON SMOKE/FIRE SHUTDOWN.

SPACE STARTUP:
DURING DOAS-1 START UP THE UNIT SHALL OPERATE WITH OUT CHILLED WATER SUPPLIED TO THE TERMINAL UNITS UNTIL THE SPACE HUMIDISTATS HAVE VERIFIED SPACE HUMIDITY IS BELOW 60% RH TO PREVENT CONDESATION ON CHILLED BEAM TERMINAL UNITS. IF SPACE RELATIVE HUMIDITY IS BELOW 60% AND THE SPACES REQUIRE COOLING THE COOLING VALVE SHALL BE ENABLED.

1 M6.00 CHILLED BEAM AIR HANDLING UNIT CONTROL SCHEMATIC
NO SCALE



SEQUENCE OF OPERATION

ACTIVE BEAM WITH 6-WAY VALVE

COOLING MODE:
WHEN THE UNIT IS IN COOLING MODE, THE CONTROLLER WILL MAINTAIN THE SPACE TEMPERATURE AT THE ACTIVE COOLING SETPOINT BY MODULATING THE 6-WAY VALVE. CHILLED WATER SUPPLIED TEMPERATURE TO THE CHILLED BEAM SHALL BE AT 2°F ABOVE PRIMARY AIR WETBULB DISCHARGE TEMPERATURE.

HEATING MODE:
WHEN SPACE ENTERS HEATING MODE SPACE RADIANT HEATER CONTROL VALVE SHALL MODULATE OPEN TO MAINTAIN SPACE TEMPERATURE.

IF SPACE RADIATION CANNOT MAINTAIN DESIRED SPACE SETPOINT 6-WAY CONTROL VALVE SHALL MODULATE OPEN IN THE HEATING POSITION TO MAINTAIN SPACE TEMPERATURE.

TERMINAL GRAPHIC DISPLAY POINT:
1. SPACE TEMPERATURE
2. SPACE HUMDITY (SEE SPACE WITH HUMIDITY)
3. SPACE SETPOINT
4. SPACE STATUS: HEATING OR COOLING MODE
HEATING - HOT WATER SUPPLY TEMPERATURE
COOLING - CHILLED WATER SUPPLY TEMPERATURE
5. 6-WAY VALVE POSITION
6. PRIMARY AIR SUPPLY TEMPERATURE

ACTIVE BEAM TERMINAL POINT SCHEDULE

TAG	POINT DESCRIPTION		POINT TYPE AI	DI	AO	DO	NETWORK	NOTES
1	SPACE TEMPERATURE	TEMPERATURE	●				BACnet	1,2,3
2	SPACE HUMIDITY	HUMDITY	●				BACnet	1,2,3
3	PRIMARY AIR SUPPLY	TEMPERATURE					BACnet	1,5
4	HOT/COLD WATER VALVE	COMMAND			●			1,2
5	HOT/COLD WATER VALVE	FEEDBACK	●					1
6	HOT WATER SUPPLY	TEMPERATURE					BACnet	1,4
7	CHILLED WATER SUPPLY	TEMPERATURE					BACnet	1,4

NOTES:
1. PROVIDE GRAPHICAL USER INTERFACE (GUI) STATUS
2. PROVIDE GUI SET POINT AND OVERIDES OF THIS POINT
3. SPACE TEMPERATURE & HUMDITY FROM THERMOSTAT; SEE PLANS FOR HUMDITY REQUIREMENT
4. HOT/CHILLED WATER TEMPERATURES FROM CHILLED BEAM SUPPLY LOOP
5. DISCHARGE AIR TEMPERATURE FROM AHU SUPPLYING TO CHILLED BEAM AREA. SEE PLANS FOR AHU/WING.

2 M6.00 ACTIVE BEAM TERMINAL CONTROL SCHEMATIC
NO SCALE

ST	SPACE TEMPERATURE SENSOR
TS	TEMPERATURE SENSOR
RH	RELATIVE HUMIDITY SENSOR
CO2	CARBON DIOXIDE SENSOR
PS	PRESSURE SWITCH
APS	FAN PROOF SWITCH
DDP	DUCT STATIC PRESSURE
VFD	VARIABLE FREQUENCY DRIVE
AFS	AIR FLOW STATION
SF	SUPPLY FAN
RF	RETURN FAN
1	CONTROL POINT
	AIR FLOW DIRECTION
	FILTER
MD	MOTORIZED DAMPER
	HEATING COIL
	COOLING COIL
DX DX	DIRECT EXPANSION COIL
	AVERAGING SENSOR
	PROBE SENSOR
	WELL SENSOR
	TWO-WAY VALVE W/ ACTUATOR
A AB B	THREE-WAY MIXING VALVE W/ ACTUATOR
A B AB	THREE-WAY DIVERTING VALVE W/ ACTUATOR

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN, Inc.
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com

JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

North

CONTROLS

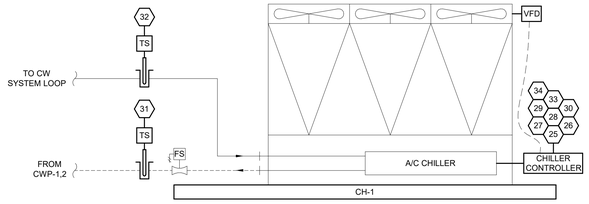
Scale: 12" = 1'-0"

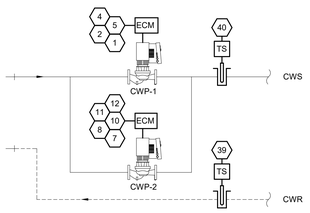
M6.00

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 Pelican Valley Senior Living Renovation_r23.rvt
1/28/2025 3:03:38 PM

M

MN





CHILLED WATER SYSTEM CONTROLS:

THE CHILLED WATER SYSTEM SHALL CONSIST OF AN AIR COOLED CHILLER (CH-1) WITH EXTERNAL CHILLED WATER PUMP(S) TO PROVIDE 44°F (ADJ.) SUPPLY WATER TEMP, PRESSURE AND FLOW FOR BUILDING AIR HANDLING UNIT COOLING COILS. BASE MOUNTED CHILLED WATER PUMP(S) (CWP-1, CWP-2) WILL BE TIED TO CHILLER (CH-1) AND BASE MOUNTED CHILLED WATER PUMP (CWP-3, CWP-4) WILL PROVIDE SYSTEM PRESSURE AND FLOW FOR THE SYSTEM LOOP. A DIFFERENTIAL PRESSURE SENSOR WILL BE LOCATED IN THE SYSTEM LOOP FOR THE PUMP TO MAINTAIN A DIFFERENTIAL PRESSURE. ADDITIONAL INLINE CHILLED WATER PUMP(S) WILL PROVIDE A TEMPERED CHILLED WATER LOOP FOR TERMINAL INDUCTION UNITS (CHILLED BEAMS). ALL CONTROL WIRING, COMPONENTS AND EQUIPMENT WILL BE SUPPLIED AND INSTALLED BY AUTOMATIC TEMPERATURE CONTROLS CONTRACTOR.

CHILLED WATER MAIN SYSTEM PUMPS CWP-3 & CWP-4:

1. CHILLED WATER SYSTEM PUMPS (CWP-3 & CWP-4) WILL BE ALTERNATED EVERY TWO WEEKS TO ALLOW FOR LOAD SHARING AND EVEN WEAR BETWEEN PUMPS WITH CWP-3 AS DEFAULT LEAD PUMP (ADJ.) DURING STARTUP PROCEDURES.
2. PUMPS WILL MAINTAIN SYSTEM PRESSURE OF 20 PSI (ADJ.). PUMPS WILL MODULATE BASED ON VFD PROGRAMMING TO INCREASE AND DECREASE PUMP SPEED TO MAINTAIN SYSTEM PRESSURE BASED ON SYSTEM DEMAND.
3. PUMP(S) WILL OPERATE AS VARIABLE SPEED PARALLEL PUMPS TO MAINTAIN SYSTEM PRESSURE AS A SINGLE PUMP OR TWO PUMPS IN PARALLEL TO MAINTAIN SYSTEM PRESSURE. THE CHANGE OVER POINT FROM SINGLE VARIABLE SPEED PUMP TO VARIABLE SPEED PUMPING SHALL BE 340 GPM. THE LEAD PUMP WILL OPERATE BETWEEN 0 TO 50% LOAD (170 GPM, ADJ.), WHEN THE CHANGE OVER POINT IS REACHED THE LAG PUMP WILL BE ENABLED AND WILL RAMP UP UNTIL SYSTEM PRESSURE IS MET FROM 50% TO 100% LOAD. IF THE SYSTEM PRESSURE IS SATISFIED AND THE LOAD HAS REDUCED BELOW 50% (170 GPM, ADJ.) THE LAG PUMP SHALL BE RAMPED DOWN AND DISABLED. VFD TO PROVIDE PARALLEL PUMPING PROGRAMMING TO MAINTAIN SYSTEM PRESSURE AS FLOW.
4. PUMP(S) SPEED, RUNTIME, DISCHARGE PRESSURE, STATUS AND ALARMS TO BE PROVIDED TO BAS.

CHILLED WATER PUMPS CWP-1 & CWP-2:

1. CHILLED WATER CHILLER PUMPS (CWP-1 & CWP-2) WILL BE ALTERNATED EVERY TWO WEEKS TO ALLOW FOR LOAD SHARING AND EVEN WEAR BETWEEN PUMPS WITH CWP-1 AS DEFAULT LEAD PUMP (ADJ.) DURING START UP PROCEDURES.
2. CHILLER PUMPS WILL BE ENABLED AND COMMANDED ON WHEN THE CHILLED WATER SYSTEM LOOP TEMPERATURE SETPOINT IS NOT SATISFIED.
3. CHILLER PUMPS WILL OPERATE AS VARIABLE SPEED PARALLEL PUMPS TO MAINTAIN SYSTEM PRESSURE AS A SINGLE PUMP OR TWO PUMPS IN PARALLEL TO MAINTAIN CHILLER FLOW. THE CHANGE OVER POINT FROM SINGLE VARIABLE SPEED SHALL BE 101 GPM. THE LEAD PUMP WILL OPERATE BETWEEN 0 TO 50% (101 GPM, ADJ.). WHEN THE CHANGE OVER POINT IS REACHED THE LAG PUMP WILL BE ENABLED AND WILL RAMP UP UNTIL SYSTEM PRESSURE IS MET FROM 50% TO 100% LOAD. IF THE CHILLER FLOW IS SATISFIED AND THE LOAD HAS REDUCED BELOW 50% (101 GPM, ADJ.) THE LAG PUMP SHALL BE RAMPED DOWN AND DISABLED.
4. PUMP(S) SPEED, RUNTIME, FLOW, STATUS AND ALARMS TO BE PROVIDED.

CHILLED BEAM CHILLED WATER PUMPS (CWP-5,6): (PARALLEL)

1. A PARALLEL SET OF PUMPS WILL BE ALTERNATED EVERY TWO WEEKS TO ALLOW FOR LOAD SHARING AND EVEN WEAR BETWEEN PUMPS.
2. CHILLED BEAM WATER SYSTEM PUMPS WILL MAINTAIN CHILLED BEAM SYSTEM PRESSURE OF 20 PSI (ADJ.). PUMPS WILL MODULATE BASED ON INTERNAL VFD PROGRAMMING TO INCREASE AND DECREASE PUMP SPEED TO MAINTAIN SYSTEM PRESSURE BASED ON SYSTEM DEMAND.
3. PUMPS(S) SPEED, RUNTIME, DISCHARGE PRESSURE, STATUS AND ALARMS TO BE PROVIDED TO BAS.

CHILLED WATER HEAT EXCHANGER (CHX-1) AND CHILLED BEAM SYSTEM LOOP:

1. A 2-WAY VALVE SHALL MODULATE ON THE CHILLED WATER SYSTEM LOOP SIDE BASED ON CHILLED BEAM LOOP TEMPERATURE SETPOINT.
2. CHILLED BEAM SYSTEM LOOP TEMPERATURE SHALL BE MAINTAINED AT 57°F (ADJ.). LOOP SUPPLY TEMPERATURE SETPOINT MUST BE 2°F ABOVE PRIMARY AIR DISCHARGE DEWPOINT.
3. CHILLED BEAM SYSTEM LOOP TEMPERATURE SHALL NOT BE LESS THAN 50°F (ADJ.).
4. IF SUPPLY WATER TEMPERATURE IS 2°F BELOW DISCHARGE AIR DEWPOINT FOR MORE THAN 30 MIN COMMAND ALL CHILLED BEAM VALVES TO CLOSE.
5. IF SUPPLY WATER TEMPERATURE IS 4°F BELOW DISCHARGE AIR DEWPOINT COMMAND ALL CHILLED BEAM VALVES TO CLOSE.

CH-1:

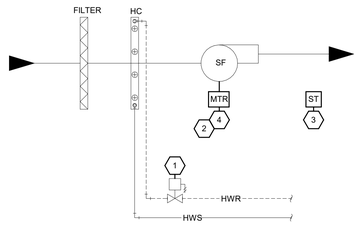
1. CH-1 SHALL MODULATE TO MAINTAIN DISCHARGE CHILLED WATER TEMPERATURE OF 42°F (ADJ.)
2. PROVIDE COMPRESSOR LOADING, STAGE(S), OUTDOOR TEMPERATURE, PRESSURE DROP, STATUS AND ALARMS TO BAS.

CHILLED WATER SYSTEM POINT SCHEDULE

TAG	POINT DESCRIPTION		POINT TYPE AI	DI	AO	DO	NETWORK	NOTES
1	CWP-1 Chiller (CH-1) Base Mounted Pumps w/ VFD	STATUS		●			BACnet	1,2
2		COMMAND				●	BACnet	1,2,4
4		SPEED					BACnet	1,2
5		ALARM					BACnet	1,2,3
7	CWP-2 Chiller (CH-1) Base Mounted Pumps w/ VFD	STATUS		●			BACnet	1,2
8		COMMAND				●	BACnet	1,2,4
10		SPEED					BACnet	1,2
11		ALARM					BACnet	1,2,3
12		POWER (kW)					BACnet	1,2
13	CWP-3 Main System Base Mounted Pumps w/ VFD	STATUS		●			BACnet	1,2
14		COMMAND				●	BACnet	1,2,4
15		DIFFERENTIAL PRESSURE	●				BACnet	1,2,4
16		SPEED					BACnet	1,2
17		ALARM					BACnet	1,2,3
19	CWP-4 Main System Base Mounted Pumps w/ VFD	STATUS		●			BACnet	1,2
20		COMMAND				●	BACnet	1,2,4
21		DIFFERENTIAL PRESSURE	●				BACnet	1,2,4
22		SPEED					BACnet	1,2
23		ALARM					BACnet	1,2,3
25	CH-1	STATUS	●				BACnet	2
26		ENABLE				●	BACnet	2,4
27		DIFFERENTIAL PRESSURE	●				BACnet	2
28		CONDENSOR FAN STATUS					BACnet	2
29		COMPRESSOR STAGES					BACnet	2,7
30		COMPRESSOR LOADING					BACnet	2,7
31		EWT	●				BACnet	2
32		LWT	●				BACnet	2,4
33		POWER (kW)					BACnet	2
34		ALARM		●			BACnet	2,3
39	CHILLED WATER RETURN	TEMPERATURE	●					2,4
40	CHILLED WATER SUPPLY	TEMPERATURE	●					2,4
41	CHILLED WATER PRESSURE	DISHCARGE PRESSURE	●					2,4
47	SYSTEM DIFFERENTIAL PRESSURE	PRESSURE	●					2

NOTES:
1. VFD PROVIDED BY MECH CONTRACTOR. ATC TO PROVIDE ALL WIRING CONNECTION FROM VFD TO EQUIPMENT, SENSORS & BMS COMMUNICATION
2. PROVIDE GRAPHICAL USER INTERFACE (GUI) STATUS
3. PROVIDE ALARM AT END USER CONTROL WORKSTATION IN...
4. PROVIDE GUI SET POINT AND OVERRIDES OF THIS POINT
5. ALL CONTROL VALVES TO BE PROVIDED BY ATC
6. CHILLER TO HAVE BACNET COMMUNICATION CARD FROM FACTORY. ATC TO EXTEND PROVIDE COMMUNCATION FROM CH CONTROLLER TO BMS
7. PROVIDE STATUS ON ALL COMPRESSOR STAGES AND MODULATION FEEDBACK OF DIGITAL COMPRESSORS

1 M6.01 CHILLED WATER SYSTEM CONTROL SCHEMATIC
NO SCALE



SEQUENCE OF OPERATION

FAN COIL WITH 2-WAY VALVES SHALL OPEN/CLOSE TO MAINTAIN SPACE TEMPERATURE

HEATING MODE:
WHEN THE UNIT IS IN HEATING MODE, THE CONTROLLER WILL MAINTAIN THE SPACE TEMPERATURE SETPOINT BY MODULATING THE 2-WAY VALVE.

ALARM:
PROVIDE ALARM IF FAN FAULTS AND FAILS TO START TO BMS.
PROVIDE ALARM IF SPACE IS BELOW 40°F FOR 10 MIN (ADJ.).

3 M6.01 CABINET UNIT HEATER CONTROL SCHEMATIC
NO SCALE

CABINET UNIT HEATER POINT SCHEDULE

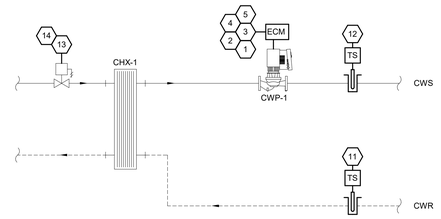
TAG	POINT DESCRIPTION		POINT TYPE AI	DI	AO	DO	NETWORK	NOTES
1	SPACE	TEMPERATURE	●				BACnet	1
2	HOT WATER VALVE	VALVE COMMAND			●			1
3	FAN	ON/OFF		●				1
4		FAULT		●				1,2

NOTES:
1. SPACE TEMPERATURE FROM SPACE THERMOSTAT THRU ANALOG OR NETWORK
2. PROVIDE ALARM TO GUI

CHILLED BEAM CHILLED WATER SYSTEM POINT SCHEDULE

TAG	POINT DESCRIPTION		POINT TYPE AI	DI	AO	DO	NETWORK	NOTES
1	CWP-5 Inline Pumps w/ ECM Motor	STATUS		●			BACnet	2
2		ALARM					BACnet	2,3
3		SPEED			●		BACnet	2,6
4		ENABLE				●	BACnet	2,4
5		FLOWRATE					BACnet	2
6	CWP-6 Inline Pumps w/ ECM Motor	STATUS		●			BACnet	2
7		ALARM					BACnet	2,3
8		SPEED			●		BACnet	2,6
9		ENABLE				●	BACnet	2,4
10		FLOWRATE					BACnet	2
11	CHILLED WATER RETURN	TEMPERATURE	●					2,4
12	CHILLED WATER SUPPLY	TEMPERATURE	●					2,4
13	CHILLED WATER 2-WAY VALVE	COMMAND			●			2,4
14	CHILLED WATER 2-WAY VALVE	FEEDBACK	●					2
15	CWP-7 Dry Cooler Inline Pump w/ ECM Motor	STATUS		●			BACnet	2
16		ALARM					BACnet	2,3
17		SPEED			●		BACnet	2
18		ENABLE				●	BACnet	2,4
19		FLOWRATE					BACnet	2
20	DRY COOLER (DC-1)	STATUS			●			2
21		ENABLE				●		2
22		FAN STATUS			●			2
23		FAN ALARM			●			2,3

NOTES:
1. VFD PROVIDED BY MECH CONTRACTOR. ATC TO PROVIDE ALL WIRING CONNECTION FROM VFD TO EQUIPMENT, SENSORS & BMS COMMUNICATION
2. PROVIDE GRAPHICAL USER INTERFACE (GUI) STATUS
3. PROVIDE ALARM AT END USER CONTROL WORKSTATION IN GUI
4. PROVIDE GUI SET POINT AND OVERRIDES OF THIS POINT
5. ALL CONTROL VALVES TO BE PROVIDED BY ATC
6. ECM PUMPS TO BE PROGRAMMED TO MAINTAIN PROPORTIONAL PRESSURE INTERNALLY



2 M6.01 CHILLED BEAM COOLING SYSTEM CONTROLS SCHEMATIC
NO SCALE

ST	SPACE TEMPERATURE SENSOR		FILTER
TS	TEMPERATURE SENSOR	MD	MOTORIZED DAMPER
RH	RELATIVE HUMIDITY SENSOR		HEATING COIL
CO2	CARBON DIOXIDE SENSOR		COOLING COIL
PS	PRESSURE SWITCH	DX DX	DIRECT EXPANSION COIL
APS	FAN PROOF SWITCH		AVERAGING SENSOR
DDP	DUCT STATIC PRESSURE		PROBE SENSOR
VFD	VARIABLE FREQUENCY DRIVE		WELL SENSOR
AFS	AIR FLOW STATION		TWO-WAY VALVE W/ ACTUATOR
SF	SUPPLY FAN	A AB B	THREE-WAY MIXING VALVE W/ ACTUATOR
RF	RETURN FAN	A B AB	THREE-WAY DIVERTING VALVE W/ ACTUATOR
1	CONTROL POINT		
	AIR FLOW DIRECTION		

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-292-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com

JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

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 Engineer under the laws of the State of Minnesota.

Brian Martin
License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK
North

CONTROLS

Scale: 12" = 1'-0"

M6.01

Author: Tyler.Ziegler
Path: I:\Jobs\Active\2024\2024-056 Pelican Valley Senior Living Renovation\Revit\2024-056 Pelican Valley Senior Living Renovation_Tyler.rvt
12/6/2025 3:55:16 PM

M

MN

MISCELLANEOUS POINT SCHEDULE

TAG	POINT DESCRIPTION		POINT TYPE AI	DI	AO	DO	NETWORK	NOTES
1	KITCHEN EXHAUST FAN (KEF-1)	STATUS	●					1
2		ALARM				●		1,3
3	KITCHEN EXHAUST FAN (KEF-2)	STATUS	●					1
4		ALARM				●		1,3

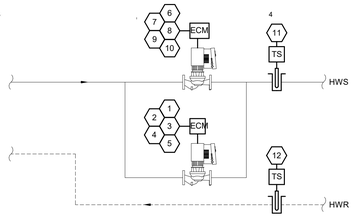
NOTES:
1. PROVIDE GRAPHICAL USER INTERFACE (GUI) STATUS
2. PROVIDE ALARM AT END USER CONTROL WORKSTATION IN GUI
3. PROVIDE ALARM AND STATUS FOR ALL KITCHEN EXHAUST FANS

MISCELLANEOUS SEQUENCE OF OPERATION

KITCHEN EXHAUST FANS (KEF-1,2):
KEF-1, KEF-2:
SHALL BE INTERLOCKED WITH KITCHEN HOOD SUPPLIED BY KITCHEN SUPPLIER. BMS SHALL MONITOR KEF-1 STATUS AND PROVIDE ALARM IF KEF-1 FAILS TO ENGAGE.

KEF SHALL HAVE OVERRIDE TIMER SWITCH WITH 60 MIN MAXIMUM.
BMS TO PROVIDE STATUS AND ALARM OF KEF-2.

2 M6.02 MISCENLLANEOUS SCHEMATIC
NO SCALE



INLINE MOUNTED PUMPS

CHILLED BEAM HOT WATER HEATING PUMPS (PARALLEL)(HWP-3,4):
REFER TO PUMP AND HEAT EXCHANGER SCHEDULES FOR EQUIPMENT TAGS. ALL CHILLED BEAM PUMP(S) AND HEAT EXCHANGER(S) SHALL FOLLOW THIS SEQUENCE OF OPERATIONS AND REQUIRED CONTROL POINTS.

1. EACH HWP WILL BE ALTERNATED EVERY TWO WEEKS TO ALLOW FOR LOAD SHARING AND EVEN WEAR BETWEEN PUMPS. PUMPS SHALL OPERATE IN PARALLEL PUMPING FASHION.
2. HOT WATER SYSTEM PUMPS WILL MAINTAIN CHILLED BEAM SYSTEM PRESSURE OF 20 PSI (ADJ.). PUMPS WILL MODULATE BASED ON INTERNAL VFD PROGRAMMING TO INCREASE AND DECREASE PUMP SPEED TO MAINTAIN SYSTEM PRESSURE BASED ON SYSTEM DEMAND.
3. PUMPS(S) SPEED, RUNTIME, DISCHARGE PRESSURE, STATUS AND ALARMS TO BE PROVIDED TO BAS.

HEATING HEAT EXCHANGER (HHX-1) AND CHILLED BEAM SYSTEM LOOP:

1. A 2-WAY VALVE SHALL MODULATE ON THE HOT WATER SYSTEM LOOP SIDE BASED ON CHILLED BEAM LOOP TEMPERATURE SETPOINT.
2. CHILLED BEAM SYSTEM LOOP TEMPERATURE SHALL BE MAINTAINED AT 120°F (ADJ.) WITH THESE RESETS:
AMBIENT TEMPERATURE IS LESS THAN OR EQUAL TO 0°F; LOOP TEMPERATURE SETPOINT 120°F (ADJ.)
AMBIENT TEMPERATURE IS GREATER THAN OR EQUAL TO 30°F; LOOP TEMPERATURE SETPOINT 100°F (ADJ.)

4 M6.02 CHILLED BEAM HEATING SYSTEM CONTROL SCHEMATIC
NO SCALE

CHILLED BEAM HOT WATER SYSTEM POINT SCHEDULE

TAG	POINT DESCRIPTION		POINT TYPE AI	DI	AO	DO	NETWORK	NOTES
1	HWP-3 Inline Pumps w/ ECM Motor	STATUS		●			BACnet	2
2		ALARM					BACnet	2,3
3		SPEED			●		BACnet	2,6
4		ENABLE				●	BACnet	2,4
5		FLOWRATE					BACnet	2
6	HWP-4 Inline Pumps w/ ECM Motor	STATUS		●			BACnet	2
7		ALARM					BACnet	2,3
8		SPEED			●		BACnet	2,6
9		ENABLE				●	BACnet	2,4
10		FLOWRATE					BACnet	2
11	HOT WATER RETURN	TEMPERATURE	●					2,4
12	HOT WATER SUPPLY	TEMPERATURE	●					2,4
13	HOT WATER 2-WAY VALVE	COMMAND			●			2,4
14		FEEDBACK	●					2

NOTES:
1. VFD PROVIDED BY MECH CONTRACTOR. ATC TO PROVIDE ALL WIRING CONNECTION FROM VFD TO EQUIPMENT, SENSORS & BMS COMMUNICATION
2. PROVIDE GRAPHICAL USER INTERFACE (GUI) STATUS
3. PROVIDE ALARM AT END USER CONTROL WORKSTATION IN GUI
4. PROVIDE GUI SET POINT AND OVERRIDES OF THIS POINT
5. ALL CONTROL VALVES TO BE PROVIDED BY ATC
6. ECM PUMPS TO BE PROGRAMMED TO MAINTAIN PROPORTIONAL PRESSURE INTERNALLY

ST	SPACE TEMPERATURE SENSOR		FILTER
TS	TEMPERATURE SENSOR	MD	MOTORIZED DAMPER
RH	RELATIVE HUMIDITY SENSOR		HEATING COIL
CO2	CARBON DIOXIDE SENSOR		COOLING COIL
PS	PRESSURE SWITCH	DX DX	DIRECT EXPANSION COIL
APS	FAN PROOF SWITCH		AVERAGING SENSOR
DDP	DUCT STATIC PRESSURE		PROBE SENSOR
VFD	VARIABLE FREQUENCY DRIVE		WELL SENSOR
AFS	AIR FLOW STATION		TWO-WAY VALVE W/ ACTUATOR
SF	SUPPLY FAN		
RF	RETURN FAN	A AB B	THREE-WAY MIXING VALVE W/ ACTUATOR
1	CONTROL POINT		
	AIR FLOW DIRECTION	A B AB	THREE-WAY DIVERTING VALVE W/ ACTUATOR

SEQUENCE OF OPERATION

VARIABLE VOLUME AIR HANDLING UNIT WITH VARIABLE VOLUME REHEAT BOXES

BUILDING AUTOMATION SYSTEM INTERFACE:
THE BUILDING AUTOMATION SYSTEM (BAS) SHALL SEND THE CONTROLLER AN OCCUPIED, UNOCCUPIED, OPTIMAL START/STOP, NIGHT HEAT / COOL AND TIMED OVERRIDE COMMANDS. THE BAS SHALL ALSO SEND A DISCHARGE AIR TEMPERATURE SETPOINT AND A DUCT STATIC PRESSURE SETPOINT. IF COMMUNICATION IS LOST WITH THE BAS, THE CONTROLLER SHALL OPERATE IN THE OCCUPIED HEATING MODE USING ITS DEFAULT SETPOINTS.

OCCUPIED MODE: DURING OCCUPIED PERIODS THE SUPPLY FAN AND RETURN FAN SHALL RUN CONTINUOUSLY AND THE OUTSIDE AIR DAMPER SHALL OPEN TO MAINTAIN MINIMUM VENTILATION REQUIREMENTS. ALL VALVES SHALL MODULATE TO MAINTAIN THE DISCHARGE AIR TEMPERATURE COOLING SETPOINT (55°F ADJ). IF THE DISCHARGE AIR TEMPERATURE SENSOR FAILS DURING NORMAL OPERATION ALL ASSOCIATED VALVES SHALL CLOSE AND AN ALARM SHALL BE ANNUNCIATED. PROVIDE DISCHARGE AIR DISCHARGE OPTIMIZATION TO MAXIMIZE ENERGY EFFICIENCY.

ECONOMIZER MODE: WHEN THE OUTDOOR AIR TEMPERATURE IS BELOW 55 F, THE COOLING VALVE SHALL BE CLOSED AND THE OUTDOOR AIR DAMPER SHALL MODULATE TO MAINTAIN THE REQUIRED DISCHARGE AIR TEMPERATURE. WHEN THE OUTDOOR AIR TEMPERATURE IS ABOVE 55 F, ECONOMIZER MODE SHALL BE DISABLED.

VOLUME CONTROL : THE CONTROLLER MONITORS THE OUTSIDE AIRFLOW RATE OF THE AIRFLOW MONITORING STATION AND MODULATES THE OUTSIDE AIR DAMPER TO MAINTAIN THE MINIMUM OUTSIDE AIR CFM (ADJ.). AT 400 PPM OA CFM SHALL BE AT MINIMUM. AT 800 PPM OUTSIDE AIR CFM SHALL BE AT MAX AS LISTED ON AHU SCHEDULE.

VAV SUPPLY FAN:
THE FAN ARRAY SHALL BE PROVIDED BY THE AHU MANUFACTURER AND SHALL BE FACTORY MOUNTED AND WIRED TO THE DISCONNECT. VFD TO BE PROVIDED BY ATC,

THE FAN SHALL BE OFF IN THE UNOCCUPIED MODE.

WHEN THE CONTROLLER IS IN THE OCCUPIED MODE, THE SUPPLY FAN ARRAY SHALL OPERATE CONTINUOUSLY AND ITS SPEED SHALL BE MODULATED TO MAINTAIN THE DUCT STATIC PRESSURE SETPOINT. (ADJ.)

IF THE SUPPLY FAN FAILS TO PROVE STATUS FOR 30 SECONDS (ADJ), THE FAN SHALL BE COMMANDED OFF. THE OUTSIDE AIR DAMPER AND ALL VALVES SHALL CLOSE AND AN ALARM SHALL BE ANNUNCIATED. A MANUAL RESET IS REQUIRED TO RESTART THE FAN. A HARDWIRED, HIGH STATIC PRESSURE CUT-OFF SWITCH IS ELECTRICALLY INTERLOCKED WITH THE ECM FAN ARRAY. IF THE HIGH STATIC PRESSURE CUT-OFF SWITCH IS TRIPPED THE FAN SHALL STOP, THE OUTSIDE AIR DAMPER AND ALL VALVES SHALL CLOSE AND AN ALARM SHALL BE ANNUNCIATED. A MANUAL RESET OF THE HIGH STATIC PRESSURE CUT-OFF SWITCH SHALL BE REQUIRED TO RESTART THE FAN.

DEHUMIDIFICATION MODE:
THE RELATIVE HUMIDITY OF THE RETURN AIR SHALL BE MONITORED. IF THE RELATIVE HUMIDITY IN THE RETURN AIR RISES ABOVE 60% (ADJ.) THE UNIT SHALL ENTER DEHUMIDIFICATION MODE. DURING THIS TIME THE CHILLED WATER VALVE SHALL MODEL TO 100% OPEN WITH THE HEATING VALVE MODULATING TO MAINTAIN THE REQUIRED DISCHARGE AIR TEMPERATURE. UNIT SHALL OPERATE IN THIS MODE UNTIL RELATIVE HUMIDITY OF THE RETURN AIR STREAM DROPS BELOW 40% (ADJ.)

VAV RETURN FAN:
THE FAN SHALL BE PROVIDED BY THE AHU MANUFACTURER AND SHALL BE FACTORY MOUNTED AND WIRED TO THE DISCONNECT. VFD TO BE PROVIDED BY ATC.

THE RETURN FAN ARRRAY SHALL BE OFF IN THE UNOCCUPIED MODE. WHEN THE CONTROLLER IS IN THE OCCUPIED MODE, THE RETURN FAN SHALL OPERATE CONTINUOUSLY AND MODULATE TO MAINTAIN CFM SETPOINT AS MEASURED BY THE RETURN FAN AIRFLOW MEASURING STATION. THE RETURN FAN ARRAY SHALL LAG BEHIND THE SUPPLY FAN ARRAY SPEED AS DETERMINED BY THE TEST AND BALANCE CONTRACTOR TO MAINTAIN A MINIMUM OUTSIDE AIR CFM.

IF THE RETURN FAN FAILS TO PROVE STATUS FOR 30 SECONDS (ADJ.), THE FAN SHALL BE COMMANDED OFF, THE OUTSIDE AIR DAMPER AND ALL COOLING AND HEATING SHALL BE DISABLED AND AN ALARM SHALL BE ANNUNCIATED. A MANUAL RESET IS REQUIRED TO RESTART THE FAN. A HARDWIRED, HIGH STATIC PRESSURE CUT-OFF SWITCH IS ELECTRICALLY INTERLOCKED WITH ECM FAN ARRAY CONTROLLER (AHU CONTROLLER). IF THE HIGH STATIC PRESSURE CUT-OFF SWITCH IS TRIPPED, THE FAN SHALL STOP, THE OUTSIDE AIR DAMPER SHALL CLOSE AND ALL HEATING AND COOLING SHALL BE DISABLED AND AN ALARM SHALL BE ANNUNCIATED. A MANUAL RESET OF THE HIGH STATIC PRESSURE CUT-OFF SWITCH SHALL BE REQUIRED TO RESTART THE FAN. SUPPLY AND RETURN FANS ARE INTERLOCKED VIA SOFTWARE, A FAILURE OF EITHER SHALL DISABLE BOTH.

LOW TEMPERATURE DETECTION:
IF A DISCHARGE AIR TEMPERATURE BELOW 40 F (ADJ.) IS EVER DETECTED, THE UNIT SHALL SUPPLY FAN SHALL SHUT-DOWN, THE HOT WATER VALVE SHALL MODULATE TO 100% OPEN, AND THE UNIT SHALL REQUIRE A MANUAL RESET TO RETURN TO OPERATION.

FILTER STATUS:
A DIFFERENTIAL PRESSURE SWITCH SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE FILTER WHEN THE FAN IS RUNNING. IF THE SWITCH CLOSES DURING NORMAL OPERATION A DIRTY FILTER ALARM SHALL BE ANNUNCIATED.

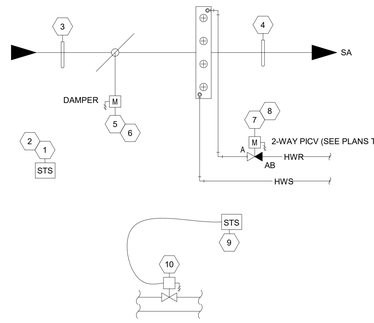
FIRE ALARM/SMOKE DETECTOR:
ON AN INDICATION OF SMOKE DETECTOR OR FIRE ALARM IN THE SPACE SERVED BY THIS UNIT OR BY THE UNIT SMOKE DETECTOR, THE FANS SHALL BE ELECTRONICALLY INTERLOCKED TO SHUT DOWN. THE CONTROL SYSTEM SHALL MONITOR THE SMOKE/FIRE DETECTION STATUS AND ALARM AT THE OPERATORS WORKSTATION ON SMOKE/FIRE SHUTDOWN.

VAV AHU POINT SCHEDULE

TAG	POINT DESCRIPTION		POINT TYPE AI	DI	AO	DO	NETWORK	NOTES
1	SUPPLY FAN VFD	STATUS		●			BACnet	1,2
2		ALARM		●			BACnet	1,2
3		COMMAND				●	BACnet	1,2
4		SPEED			●		BACnet	1,2
5	RETURN FAN VFD	STATUS		●			BACnet	1,2
6		ALARM		●			BACnet	1,2
7		COMMAND				●	BACnet	1,2
8		SPEED			●		BACnet	1,2
9	OUTSIDE AIR	TEMPERATURE					BACnet	9
10		HUMIDITY					BACnet	9
11	RETURN AIR	TEMPERATURE	●					2,5
12		HUMIDITY	●					
13		CARBON MONOXIDE	●					2,5
14	MIXED AIR	TEMPERATURE	●					
15	DISCHARGE AIR	TEMPERATURE	●					2,5,6
16		HUMIDITY	●					
17	OUTSIDE AIR DAMPER	DAMPER COMMAND			●			2,5
18		DAMPER FEEDBACK	●					
19	RETURN AIR DAMPER	DAMPER COMMAND			●			2,5
20		DAMPER FEEDBACK	●					
21	RELIEF AIR DAMPER	DAMPER COMMAND			●			2,5
22		DAMPER FEEDBACK	●					
23	PRESSURE SENSOR	FILTER SWITCH	●					2,3
24		HIGH PRESSURE/STATIC SWITCH	●					2,3
25		LOW PRESSURE/STATIC SWITCH	●					2,3
26		DUCT STATIC PRESSURE	●					
27	HOT WATER VALVE	VALVE COMMAND			●			2,5
28		VALVE FEEDBACK	●					
29	CHILLED WATER VALVE	VALVE COMMAND			●			2,5
30		VALVE FEEDBACK	●					
31	ENTHALPY	CALCULATION (BTUH)					BACnet	2,5
32	DEHUMIDIFICATION	SETPOINT (RH OR DEWPOINT)					BACnet	2,5
33	AIRFLOW MEASURING STATION	FLOW	●				BACnet	2,10

NOTES:
1. VFD PROVIDED BY MECH CONTRACTOR. ATC TO PROVIDE ALL WIRING CONNECTION FROM VFD TO EQUIPMENT, SENSORS & BMS...
2. PROVIDE GRAPHICAL USER INTERFACE (GUI) STATUS
3. PROVIDE ALARM AT END USER CONTROL WORKSTATION IN GUI
4. PROVIDE ENTHALPY CACULATION FOR THE PURPOSE OF ECONOMIZER MODE
5. PROVIDE GUI SET POINT AND OVERRIDES OF THIS POINT
6. PROVIDE LOW DISCHARGE AIR TEMPERATURE ALARM
7. FACTORY TO PROVIDE DAMPERS ON UNIT, ATC TO PROVIDE ACTUATORS
8. ALL CONTROL VALVES TO BE PROVIDED BY ATC
9. GLOBAL POINT FROM BUILDING OUTDOOR AIR TEMPERATURE AND HUMIDITY SENSOR
10. AIRFLOW MEASURING STATION; SEE SCHEDULE. PROVIDED BY ATC. INSTALLED BY ATC.

1 M6.02 VAV AIR HANDLING UNIT CONTROL SCHEMATIC
NO SCALE



VAV TERMINAL POINT SCHEDULE

TAG	POINT DESCRIPTION		POINT TYPE AI	DI	AO	DO	NETWORK	NOTES
1	SPACE TEMPERATURE	TEMPERATURE	●				BACnet	1,2,3
2	STATUS	OCCUPIED/UNOCCUPIED		●				1,2
3	ENTERING AIR TEMPERATURE	TEMPERATURE					BACnet	1,2,5
4	DISCHARGE AIR TEMP	TEMPERATURE	●					1,2
5	DAMPER	COMMAND			●			1,2
6		FEEDBACK	●					1,2
7	HOT WATER SUPPLY VALVE	COMMAND			●		BACnet	1,4
8		FEEDBACK	●				BACnet	1,4
9	SPACE	TEMPERATURE	●				BACnet	6
10	HOT WATER VALVE	VALVE COMMAND			●			

NOTES:
1. PROVIDE GRAPHICAL USER INTERFACE (GUI) STATUS
2. PROVIDE GUI SET POINT AND OVERIDES OF THIS POINT
3. SPACE TEMPERATURE FROM THERMOSTAT
4. HOT WATER TEMPERATURE FROM HOT WATER SUPPLY LOOP
5. DISCHARGE AIR TEMPERATURE FROM AHU-5. SEE PLAN AND SCHEDULE FOR CORRESPONDING UNIT AND VAV
6. SPACE TEMPERATURE FROM SPACE THERMOSTAT THRU ANALOG OR NETWORK.

SEQUENCE OF OPERATION

VAV BOXES WITH HOT WATER REHEAT

BUILDING AUTOMATION SYSTEM INTERFACE:
THE BUILDING AUTOMATION SYSTEM (BAS) WILL SEND THE CONTROLLER OCCUPIED AND UNOCCUPIED COMMANDS. THE BAS MAY ALSO SEND A HEAT/COOL MODE, PRIORITY SHUTDOWN COMMANDS, SPACE TEMPERATURE AND/OR SPACE TEMPERATURE SETPOINT. IF A BAS IS NOT PRESENT, OR COMMUNICATION IS LOST WITH THE BAS, THE CONTROLLER WILL OPERATE USING ITS LOCAL SETPOINTS.

COOLING MODE:
WHEN THE UNIT IS IN COOLING MODE, THE VAV WILL MAINTAIN THE SPACE TEMPERATURE AT THE ACTIVE COOLING SETPOINT BY MODULATING THE AIRFLOW BETWEEN THE ACTIVE COOLING MINIMUM AIRFLOW SETPOINT TO THE MAXIMUM COOLING AIRFLOW SETPOINT. THE VAV WILL USE THE MEASURED SPACE TEMPERATURE AND THE ACTIVE COOLING SETPOINT TO DETERMINE THE REQUESTED COOLING CAPACITY OF THE UNIT. THE OUTPUTS WILL BE CONTROLLED BASED ON THE UNIT CONFIGURATION AND THE REQUESTED COOLING CAPACITY.

HEATING MODE:
WHEN THE UNIT IS IN HEATING MODE, THE CONTROLLER WILL MAINTAIN THE SPACE TEMPERATURE AT THE ACTIVE HEATING SETPOINT BY MODULATING THE HEATING VALVE AND THE AIRFLOW BETWEEN THE ACTIVE HEATING MINIMUM AIRFLOW SETPOINT TO THE MAXIMUM HEATING AIRFLOW SETPOINT. THE VAV BOX WILL GO TO MINIMUM CFM, IF ADDITIONAL HEATING IS NEEDED, THE HEATING VALVE MODULATES OPEN UNTIL MAXIMUM DISCHARGE AIR TEMPERATURE HAS BEEN MET, 95°F (ADJ.). IF ADDITIONAL HEAT IS NEEDED AIR VALVE SHALL MODULATE OPEN UNTIL SPACE TEMPERATURE HAS BEEN MET.

SEQUENCE OF OPERATION

FIN TUBE RADIATION

PANEL RADIATION WITH 2-WAY VALVES SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE

HEATING MODE:
WHEN THE UNIT IS IN HEATING MODE, THE CONTROLLER WILL MAINTAIN THE SPACE TEMPERATURE SETPOINT BY MODULATING THE 2-WAY VALVE.

PANEL RADIATION 2-WAY VAVLE SHALL MODULATE OPEN FIRST. IF FURTHER HEATING IS REQUIRED THE HEATING VALVE ON THE VAV BOX WILL MODULATE OPEN TO SATISFY THE HEATING REQUIREMENT.

3 M6.02 VAV TERMINAL SYSTEM CONTROL SCHEMATIC
NO SCALE

M

Autodesk Docs://250609 - Pelican Valley Senior Living Renovation/250609 Pelican Valley Senior Living Renovation_ACZ.rvt
1/28/2025 3:50:12 PM

Pelican Valley Senior Living Renovation

211 E Mill Ave.
Pelican Rapids, MN 56572

246039

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7957 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

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 Engineer under the laws of the State of Minnesota.

Brian Martin

License Number: 41118 Date: 01/28/2025

Revisions		
Description	Date	Num

Comm: 2024-056
Date: 01/28/2025
Drawn: MS
Check: MK

North

Scale: 12" = 1'-0"

CONTROLS

M6.02

MN

ELECTRICAL SYMBOLS LEGEND

SYMBOL	DESCRIPTION
LIGHTING	
	2x2 RECESSED TROFFER
	2x2 RECESSED TROFFER, EGRESS
	2x4 RECESSED TROFFER
	2x4 RECESSED TROFFER, EGRESS
	WALL MOUNT LIGHT FIXTURE
	RECESSED DOWN LIGHT
	RECESSED DOWN LIGHT, EGRESS
	RECESSED DOWN LIGHT, WALL WASHER
	SURFACE LIGHT FIXTURE, EGRESS
	SURFACE FIXTURE
	SURFACE FIXTURE, EGRESS
	SUSPENDED INDIRECT FIXTURE
	STRIP FIXTURE
	STRIP FIXTURE, EGRESS
	WALL MOUNT EXIT LIGHT
	CEILING MOUNT EXIT LIGHT
	WALL MOUNT EXIT LIGHT WITH EMERGENCY HEADS
	EMERGENCY BATTERY PACK
	REMOTE EMERGENCY FIXTURE
	POLE LIGHT
	BOLLARD LIGHT
	FLOOD LIGHT
LIGHTING CONTROL	
$X	SWITCH X REPRESENTS IDENTIFIERS AS FOLLOWS: 3 3-WAY SWITCH 4 4-WAY SWITCH D DIMMER SWITCH L VLOW VOLTAGE OS OCCUPANCY SENSOR
PC	PHOTOCELL
TC	TIME CLOCK
LC	LIGHTING CONTACTOR
	WALL MOUNT VACANCY/OCCUPANCY SENSOR
	CEILING MOUNT VACANCY/OCCUPANCY SENSOR
DS	DAYLIGHT SENSOR
P	LIGHTING CONTROL SYSTEM DIMMING POWER PACK
	CORNER MOUNT OCCUPANCY SENSOR
$LVD	LOW VOLTAGE DIMMER SWITCH
$LVS	LOW VOLTAGE SWITCH
LCX	LIGHTING CONTROL SCHEMATIC IDENTIFICATION
EL	EM OR EMERGENCY POWER PACK
NURSE CALL	
N	NURSE CALL STATION
E	NURSE EMERGENCY BATH STATION
ND	NURSE CALL DOME LIGHT
NZ	NURSE CALL WIRELSS COMPONENT
NCA	NURSE CALL ANTENNA
NR	NURSE CALL REPEATER

SYMBOL	DESCRIPTION
POWER	
X	JUNCTION BOX X REPRESENTS IDENTIFIERS AS FOLLOWS: NONE NONE FSD FIRE SMOKE DETECTROR ELECTRICAL CONNECTION
	EQUIPMENT CONNECTION
X	DUPLEX RECEPTACLE, NEMA 5-20R X REPRESENTS IDENTIFIERS AS FOLLOWS: NONE NONE 44" MOUNTING HEIGHT OTHER THAN STANDARD AC MOUNT ABOVE COUNTER, COORDINATE WITH GC CLG CEILING MOUNTED OUTLET EWC ELECTRIC WATER COOLER GFI GFI OUTLET U USB CHARGER COMBINATION OUTLET WP WEATHERPROOF OUTLET CR CORD REEL DC DROP CORD
	4-PLEX RECEPTACLE, NEMA 5-20R
	GROUND FAULT CIRCUIT INTERRUPTER (GFCI) TYPE RECEPTACLE
	ISOLATED GROUND (IG) TYPE RECEPTACLE
	SINGLE RECEPTACLE, NEMA 5-20R
	SPECIAL APPLICATION RECEPTACLE
	FLOOR BOX WITH DEVICES AS INDICATED
	POWERPOLE
	20" WIDE PANEL BOARD
$X	SWITCH X REPRESENTS IDENTIFIERS AS FOLLOWS: M MANUAL MOTOR SWITCH PS PROJECTOR SCREEN SWITCH
D23	DISCONNECT SWITCH, SEE LEGEND
	COMBINATION STARTER/DISCONNECT
	MOTOR CONTROLLER
VFD	VARIABLE FREQUENCY DRIVE
	MOTOR # SEE MOTOR SCHEDULE EF EXHAUST FAN OH OVERHEAD DOOR MOTOR AD AUTOMATIC DOOR OPENER MD MOTORIZED DAMPER
M	METER
T	TRANSFORMER
	THERMOSTAT
	RHEOSTAT - FAN CONTROL
	PUSHBUTTON, ADA DOOR OPERATOR
	PUSHBUTTON CONTROL STATION
	MUSHROOM TYPE PUSHBUTTON OR OTHER AS SPECIFIED
	UNDERGROUND ELECTRICAL CONDUIT
COMMUNICATION	
	TELEPHONE OUTLET W WALL MOUNT TELEPHONE
	TELEPHONE/DATA OUTLET
	DATA OUTLET FP FURNITURE FEED POINT
TV	TELEVISION OUTLET
S	CEILING SPEAKER S SURFACE MOUNT
V	VOLUME CONTROL
	PAGING HORN
M	MICROPHONE OUTLET
A	AUXILIARY OUTLET
WAP	WIRELESS ACCESS POINT
D	DAS ANTENNA
C	CLOCK

SYMBOL	DESCRIPTION
ANNOTATION	
L1(1,3,5) L1(1,3,5) 5	HOMERUN - TEXT DESIGNATES PANEL AND CIRCUIT NUMBERS. NUMBERS SEPERATED BY COMMAS INDICATE SEPARATE BREAKER. NUMBERS SEPERATED BY HYPHEN INDICATE MULTI-POLE BREAKERS. CONDUCTORS SHALL BE #12 AWG IN A 3/4" CONDUIT UNLESS NOTED OTHERWISE. LONG HASH MARKS INDICATE NEUTRAL CONDUCTORS, SHORT HASH MARKS INDICATE NUMBER OF PHASE CONDUCTORS. NO HASH MARKS INDICATE 3#12 IN A 3.4" C. PROVIDE A CODE-SIZED GROUND IN EACH CONDUIT.
B 1.01 1	UPPER CASE LETTER INDICATES FIXTURE TYPE SEE LIGHT FIXTURE SCHEDULE INDICATES CONTROL RELAY OR SWITCH NUMBER INDICATES CIRCUIT NUMBER
NO 1	SHEET NOTE
2	REVISION INDICATOR
TITLE SCALE	DETAIL VIEWPORT TITLE
SHEET	SECTION CUT
FIRE ALARM	
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIAROT PANEL
F	FIRE ALARM MANUAL PULL STATION
SB	FIRE ALARM SMOKE DETECTOR, SOUNDER BASE SB SOUNDER BASE
	FIRE ALARM HEAT DETECTOR
DD	FIRE ALARM DUCT SMOKE DETECTOR
FR	FIRE ALARM RELAY
	FIRE ALARM MAGNETIC DOOR HOLDER
	FIRE ALARM AUDIO DEVICE
	FIRE ALARM VISUAL DEVICE
WP	FIRE ALARM VISUAL DEVICE, OUTDOOR RATED
	FIRE ALARM AUDIO/VISUAL DEVICE (SPEAKER/STROBE)
	CEILING MOUNT FIRE ALARM AUDIO/VISUAL DEVICE
B	FIRE ALARM BELL
AMM	FIRE ALARM INDIVIDUAL ADDRESSABLE MODULE
ARM	FIRE ALARM ZONE ADDRESSABLE MODULE
TS	SPRINKLER SYSTEM TAMPER SWITCH
FS	SPRINKLER SYSTEM FLOW SWITCH
SF	FIRE ALARM CEILING SPEAKER
FA	JUNCTION BOX FOR FIRE ALARM SYSTEM, PAINT COVER RED
FSM	FIRE/SMOKE DAMPER
SECURITY	
CR	CARD READER
	DOOR POSITION SWITCH
	ELECTRIC STRIKE
REX	REQUEST TO EXIT
CCTV	CCTV CAMERA PTZ PAN-TILT ZOOM FC FIXED
MS	MOTION SENSOR
KP	INTRUSION SYSTEM KEYPAD
ML	MAGNETIC LOCK

ABBREVIATIONS

A AMPERES	KW KILOWATT
AC ABOVE COUNTER	KVA KILOVOLT-AMPERE
AFC AVAILABLE FAULT CURRENT	
AFF ABOVE FINISHED FLOOR	MC MECHANICAL CONTRACTOR
AIC AMPERE INTERRUPTING CURRENT	MCB MAIN CIRCUIT BREAKER
AL ALUMINUM	MLO MAIN LUG ONLY
ATS AUTOMATIC TRANSFER SWITCH	MSB MAIN SWITCHBOARD
AHJ AUTHORITY HAVING JURISDICTION	MFR MANUFACTURER
	MH METAL HALIDE
C CONDUIT	MCC MOTOR CONTROL CENTER
CB CIRCUIT BREAKER	MTG MOUNTING
CBIC CIRCUIT BREAKER INTERRUPTING CURRENT	
CD CANDELA	N NEUTRAL
CU COPPER	N1 NEMA 1
	N3 RNEMA 3R
DAS DISTRIBUTED ANTENNA SYSTEM	NF NON-FUSED
	NL NIGHT LIGHT
EC ELECTRICAL CONTRACTOR	
E EMERGENCY	PH PHASE
EMT ELECTRICAL METALLIC TUBING	P POLE
ENT ELECTRICAL NON-METALLIC TUBING	
EX EXISTING	RMC RIGID METAL CONDUIT
	SES SERVICE ENTRANCE SECTION
F FUSE	
	TMB TELEPHONE MOUNTING BOARD
G GROUND	
GC GENERAL CONTRACTOR	UG UNDERGROUND
GFCI GROUND FAULT CIRCUIT INTERRUPTER	
	UNO UNLESS NOTED OTHERWISE
HD HEAVY DUTY	
H HOT	V VOLT
	VA VOLT-AMPS
HPS HIGH PRESSURE SODIUM	
HT HEIGHT	W WIRE
	WP WEATHERPROOF
IMC INTERMEDIATE METAL CONDUIT	
INC INCANDESCENT	XFMR TRANSFORMER
LTS LIGHTS	

DISCONNECT LEGEND

D 2 3 R F

- F FOR FUSIBLE (NO F INDICATES NON-FUSIBLE)
- R FOR NEMA 3R (NO R INDICATES NEMA 1)
- AMPERE RATING
  - 3: 30-AMP
  - 6: 60-AMP
  - 1: 100-AMP
  - 2: 200-AMP
  - 4: 400-AMP
- VOLTAGE
  - 2: 240V
  - 6: 600V
- DISCONNECT, HEAVY DUTY

DU: INDICATES DISCONNECT PROVIDED WITH EQUIPMENT BY OTHERS

VERIFY FUSE SIZES WITH EQUIPMENT NAMEPLATE.

GENERAL NOTES

1. THE WORK INDICATED ON THESE DRAWINGS CONSISTS OF PROVIDING ALL LABOR, SUPERVISION, EQUIPMENT, AND MATERIALS NECESSARY FOR AND INCIDENTAL TO THE INSTALLATION OF THE COMPLETE ELECTRICAL SYSTEMS REQUIRED BY THESE DRAWINGS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. THE ENTIRE INSTALLATION OF THE ELECTRICAL SYSTEMS SHALL BE MADE IN ACCORDANCE WITH ALL ORDINANCES, LAWS, REGULATIONS, AND CODES APPLICABLE TO THE WORK INVOLVED. IF, IN ANY INSTANCE, THE PLANS CONFLICT WITH SUCH CODES, THE CODE SHALL TAKE PREFERENCE. THIS DOES NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH ANY REQUIREMENTS OF THE DRAWINGS THAT MAY BE IN EXCESS OF CODES AND NOT CONTRARY TO THE SAME.
3. ALL EQUIPMENT SHALL BE LISTED AND LABELED BY A RECOGNIZED TESTING AGENCY.
4. REFER TO ARCHITECTURAL DRAWINGS FOR TYPES AND FIRE RATINGS OF WALLS. SEAL PENETRATIONS WITH APPROVED SEALANT AND COMPLIANCE WITH BUILDING CODES.
5. REFER TO DOOR HARDWARE SCHEDULE. COORDINATE DOORS THAT REQUIRE POWER FOR ELECTRIC POWER TRANSFER UNITS AND ROUGH-IN FOR ELECTRIC STRIKE AND READERS.
6. MECHANICAL EQUIPMENT IS SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL REVIEW MECHANICAL DRAWINGS AND COORDINATE ELECTRICAL EQUIPMENT LOCATIONS WITH MECHANICAL EQUIPMENT, DUCT WORK, AND PIPING. COORDINATE MECHANICAL EQUIPMENT HOOK-UP AND REQUIREMENTS WITH MECHANICAL DRAWINGS AND EQUIPMENT SHOP DRAWINGS. REFER TO MECHANICAL DRAWINGS FOR EXACT EQUIPMENT LOCATIONS AND RATINGS OF MOTORS, ETC. MAKE ALL WIRING CONNECTIONS AS REQUIRED.
7. REFER TO MECHANICAL DRAWINGS FOR FIRE/SMOKE DAMPER LOCATIONS. PROVIDE POWER TO FIRE/SMOKE DAMPERS AS REQUIRED AND FIRE ALARM INTERFACE AND MONITORING.
8. ELECTRICAL EQUIPMENT LOCATED OUTDOORS SHALL BE PROPERLY RATED FOR THE ENVIRONMENT, NEMA 3R MINIMUM.
9. PROVIDE PROTECTION FROM PHYSICAL DAMAGE FOR SWITCHBOARDS, PANELBOARDS, AND OTHER ELECTRICAL EQUIPMENT.
10. COORDINATE ALL CEILING MOUNTED ELECTRICAL EQUIPMENT WITH THE ARCHITECTURAL CEILING PLANS. THIS INCLUDES, BUT IS NOT LIMITED TO, LIGHT FIXTURES, SMOKE DETECTORS, FIRE ALARM DEVICES, ETC. DO NOT INSTALL DEVICES ON ACCESS PANELS.
11. VERIFY CEILING CONSTRUCTION WITH ARCHITECTURAL DRAWINGS AND GENERAL CONTRACTOR. PROVIDE ALL NECESSARY MOUNTING HARDWARE FOR COMPLETE INSTALLATION OF LIGHT FIXTURES.
12. WHERE RECESSED FIXTURES ARE INSTALLED IN FIRE RATED CEILINGS, PROVIDE FIRE RATED BOX OR ENCLOSURE AS REQUIRED BY CODE TO MAINTAIN RATING OF CEILING.
13. COORDINATE LIGHT FIXTURE LOCATIONS AND RACEWAY INSTALLATION WITH MECHANICAL EQUIPMENT AND DUCTWORK AND PIPING SYSTEMS PRIOR TO ROUGH-IN. LIGHT FIXTURE LOCATIONS TAKE PRECEDENCE.
14. COORDINATE LIGHT FIXTURE LOCATIONS IN MECHANICAL EQUIPMENT ROOMS WITH EQUIPMENT. FIXTURES SHALL BE LOCATED WHERE NOT BLOCKED BY DUCTWORK AND PIPING AND WILL PROVIDE LIGHT FOR MAINTAINING EQUIPMENT.
15. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF EXITS AND CHEVRON ARROW INDICATIONS. VERIFY WITH AUTHORITY HAVING JURISDICTION.
16. EXIT, EMERGENCY, AND NIGHT LIGHTS SHALL BE CIRCUITED TO UNSWITCHED CONDUCTOR.
17. LIGHTING CONTROL SYSTEM OCCUPANCY SENSORS ARE SHOWN FOR BIDDING PURPOSES. SYSTEM SUPPLIER SHALL PROVIDE SHOP DRAWINGS INDICATING BEST SENSOR PLACEMENT AND QUANTITIES FOR PROPER COVERAGE AND OPERATION TO COMPLY WITH REQUIREMENTS.
18. PROVIDE ALL BRANCH CIRCUIT WIRING AS REQUIRED FOR COMPLETE INSTALLATION AND OPERATION OF LIGHT FIXTURES AND CONTROLS. PROVIDE ALL 0-10V WIRING AS REQUIRED FOR COMPLETE INSTALLATION AND OPERATION. 0-10V WIRING SHALL BE IN CONDUIT WHERE CEILINGS ARE EXPOSED OR BE PLENUM RATED CABLE ABOVE ACCESSIBLE CEILINGS AND COMPLY WITH NEC CLASS 2 WIRING METHODS.
19. ALL 120-VOLT RECEPTACLES SHALL BE TAMPER PRROF TYPE.
20. COORDINATE RECEPTACLE REQUIREMENTS WITH EQUIPMENT PROVIDED BY OTHER TRADES. PROVIDE AND LOCATE RECEPTACLES AS REQUIRED FOR EQUIPMENT FURNISHED BY OTHERS.
21. RECEPTACLES SHALL NOT BE LOCATED BACK TO BACK IN SAME WALL. PROVIDE A MINIMUM OF 24" SPACE BETWEEN BACK TO BACK RECEPTACLES. WHERE LOCATION IS CRITICAL AND BACK TO BACK RECEPTACLES ARE UNAVOIDABLE, PROVIDE AN ACOUSTICAL SOUND INSULATION BATT BETWEEN BOXES. RACEWAY FITTINGS: SET SCREW FITTINGS ARE NOT PERMITTED.
22. COORDINATE MOUNTING HEIGHTS OF DEVICES WITH ARCHITECTURAL ELEVATIONS.
23. CONTRACTOR SHALL COORDINATE FLOOR BOX LOCATIONS, ALL OFFICE DEVICE LOCATIONS, ALL FURNITURE PANEL AND EQUIPMENT LOCATIONS, WITH SPECIFIC DIMENSIONS PROVIDED BY ARCHITECT. COORDINATE ALL ELECTRICAL, DATA AND AV OUTLETS WITH FURNITURE SYSTEM PROVIDER TO PREVENT ACCESS ISSUES.
24. AREAS OF EXPOSED STRUCTURAL CEILING REQUIRE THAT ALL CONDUIT, DATA AND AV BE INSTALLED TO MAXIMIZE AESTHETICS.
25. PROVIDE FLEXIBLE CONNECTORS FOR ELECTRICAL CONDUITS THAT CROSS BUILDING SEISMIC SEPARATIONS OR EXPANSION JOINTS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF EXPANSION JOINTS.
26. PROVIDE A SEPARATE NEUTRAL FOR EACH SINGLE PHASE BRANCH CIRCUIT. MULTI-WIRE BRANCH CIRCUITS ARE NOT PERMITTED UNLESS NOTED OTHERWISE.
27. 120V CIRCUITS THAT EXCEED 100-FT IN LENGTH SHALL BE INCREASED IN SIZE TO #10 WIRE. 120V CIRCUITS THAT EXCEED 150-FT IN LENGTH SHALL BE INCREASED IN SIZE TO #8 WIRE.
28. PROVIDE GFCI PROTECTION FOR RECEPTACLES AS REQUIRED BY CODE FOR FOOD SERVICE AREAS, OUTDOORS, LOCKER ROOMS, AND WITHIN 6-FT OF A SINK. WHERE RECEPTACLES ARE CONSIDERED NOT READILY ACCESSIBLE, GFCI PROTECTION SHALL BE AT THE CIRCUIT BREAKER. COORDINATE WITH FURNITURE AND EQUIPMENT.
29. FIRE ALARM SYSTEM AND COMPONENTS SHALL BE INSTALLED IN COMPLIANCE WITH NFPA 72.
30. FIRE ALARM VISUAL DEVICES ARE RATED FOR 15CD UNLESS NOTED OTHERWISE.
31. FIRE ALARM WIRING SHALL BE INSTALLED IN CONDUIT WHERE CEILINGS ARE EXPOSED. REFER TO SPECIFICATIONS.
32. WHERE RACEWAYS AND BOXES ARE LOCATED ON THE ROOF, PROVIDE A 1/2" MINIMUM SPACING BETWEEN ROOF DECK AND RACEWAYS AND BOXES. BRANCH CIRCUITS SHALL BE DERATED IN ACCORDANCE WITH CODE FOR ROOF MOUNTED RACEWAYS AND CONDUCTORS.
33. RACEWAYS FOR EXTERIOR UNDERGROUND BRANCH CIRCUITS SHALL BE 3/4" MINIMUM OR AS NOTED ON THE PLANS.
34. DO NOT INSTALL CONDUITS EXPOSED ON EXTERIOR OF BUILDING. CONDUITS SHOWN ARE TO PROVIDE DESIGN INTENT OF CIRCUITING AND CONTROL.
35. CAULK/SEAL ALL WALL PENETRATIONS WITH APPROPRIATE SEALANT. PENETRATIONS THROUGH FIRE RATED WALLS/CEILINGS SHALL BE SEALED WITH AN APPROVED FIRESTOP SYSTEM FOR THE RATING OF THE ASSEMBLY. PROVIDE PUTTY PADS FOR BOX OPENINGS AS REQUIRED.
36. PER NEC 110, WHERE ELECTRICAL EQUIPMENT IS RATED 1200-AMPS OR MORE AND MORE THAN 6-FT WIDE, THERE SHALL BE TWO EXITS OUT OF THE ROOM AND DOORS SHALL SWING IN THE PATH OF EGRESS WITH APPROVED PANIC BARS.
37. ANY AND ALL SHUT DOWNS TO BE COORDINATED WITH OWNER PRIOR TO DISRUPTION OF SERVICE. A MINIMUM 48 HOURS NOTICE IS REQUIRED PRIOR TO EXECUTION OF WORK THAT REQUIRES ANY DISRUPTION OF UTILITIES. SHUT DOWNS THAT WILL RESULT IN EXTENDED SERVICE DISRUPTION REQUIRE ADDITIONAL NOTICE AND COORDINATION WITH OWNER.
38. ANY PENETRATIONS THROUGH STRUCTURAL ELEMENTS REQUIRED TO COMPLETE THE CONTRACTOR'S (DIVISION 26,27 AND 28) SCOPE OF WORK SHALL BE APPROVED BY STRUCTURAL ENGINEER PRIOP TO DRILLING, ALL REQUIRED PENETRATIONS THROUGH STRUCTURAL ELEMENTS SHALL BE FIELD COORDINATED IN ADVANCE FOR STRUCTURAL ENGINEER APPROVAL.

DEMOLITION NOTES

1. EXISTING CONDITIONS SHOWN ARE BASED ON AS BUILT DRAWINGS AND LIMITED FIELD OBSERVATION. CONTRACTOR SHALL VERIFY INFORMATION SHOWN AND EXISTING CONDITIONS. DASHED ITEMS ARE EXISTING. HATCHED ITEMS ARE TO BE DEMOLISHED. ITEMS NOT HATCHED ARE TO REMAIN IN SERVICE UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL ENSURE THAT ALL EXISTING DEVICES TO REMAIN ARE OPERATIONAL WHEN CONSTRUCTION IS COMPLETE. FIELD VERIFY EXISTING CONDITIONS.
2. CONTRACTOR SHALL COORDINATE EXISTING CONDITIONS WITH NEW WORK. EXISTING CONDUIT AND WIRING SHOULD BE REUSED WHERE POSSIBLE.
3. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL MATERIAL OF NO VALUE TO OWNER. DISPOSE IN ACCORDANCE WITH LOCAL AND EPA REGULATIONS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR STORING AND PROTECTING ITEMS SCHEDULED TO BE REINSTALLED. DAMAGED ITEMS SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
5. REVIEW ARCHTIECTURAL DRAWINGS FOR INFORMATION REGARDING ASBESTOS ABATEMENT.
6. MAINTAIN WIRING TO EXISTING FIRE ALARM DEVICES TO REMAIN. ENSURE PROPER OPERATION WHEN INSTALLATION IS COMPLETE.
7. REMOVE ALL ABANDONED LOW VOLTAGE CABLING ABOVE CEILING AND IN WALLS.
8. MODIFY EXISTING CIRCUITS DISRUPTED BY REMOVAL OF A DEVICE IN MIDDLE OF CIRCUIT SO THAT REMAINING DEVICES DOWNSTREAM REMAIN OPERATIONAL.

ELECTRICAL DRAWING INDEX

E0.01	ELECTRICAL COVER SHEET
E0.02	ELECTRICAL DETAILS
E0.10	SITE PLAN ELECTRICAL
E0.20	OVERALL FLOOR PLANS - ELECTRICAL
E1.00a	FIRST FLOOR PLAN - AREA A - ELECTRICAL DEMOLITION
E1.00b	FIRST FLOOR PLAN - AREA B - ELECTRICAL DEMOLITION
E1.00c	FIRST & SECOND FLOOR PLAN - AREA C - ELECTRICAL DEMOLITION
E1.00d	FIRST FLOOR PLAN - AREA D AND E - ELECTRICAL DEMOLITION
E1.01f	UPPER FLOOR TEMPORARY LIVING PLAN - ELECTRICAL DEMOLITION
E2.00a	FIRST FLOOR PLAN - AREA A - LIGHTING
E2.00b	FIRST FLOOR PLAN - AREA B - LIGHTING
E2.01f	UPPER FLOOR TEMPORARY LIVING PLAN - LIGHTING
E3.00a	FIRST FLOOR PLAN - AREA A - POWER
E3.00b	FIRST FLOOR PLAN - AREA B - POWER
E3.00c	FIRST & SECOND FLOOR PLAN - AREA C - POWER
E3.00d	FIRST FLOOR PLAN - AREA D AND E - POWER
E3.01f	UPPER FLOOR TEMPORARY LIVING PLAN - POWER
E3.03	ROOF PLAN - AREAS A AND B - POWER
E4.00a	FIRST FLOOR PLAN - AREA A - SYSTEMS
E4.00b	FIRST FLOOR PLAN - AREA B - SYSTEMS
E4.00c	FIRST & SECOND FLOOR PLAN - AREA C - SYSTEMS
E4.00d	FIRST FLOOR PLAN - AREA D AND E - SYSTEMS
E4.01f	UPPER FLOOR TEMPORARY LIVING PLAN - SYSTEMS
E5.00	TYPICAL RESIDENT ROOM FLOOR PLANS - ELECTRICAL
E6.01	ONE-LINE DIAGRAMS
E6.11	PANEL SCHEDULES
E6.21	MOTOR SCHEDULE & DETAILS
E7.01	LIGHT FIXTURE SCHEDULE & DETAILS
E7.02	LIGHTING CONTROL SCHEDULE & DETAILS
E8.01	DETAILS
E9.01	SYSTEMS DETAILS
E9.02	CHAPEL SOUND SYSTEM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN Inc
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com

JBED Proj. No. 2024-24

© 2024 by JB Electrical Design, PC

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

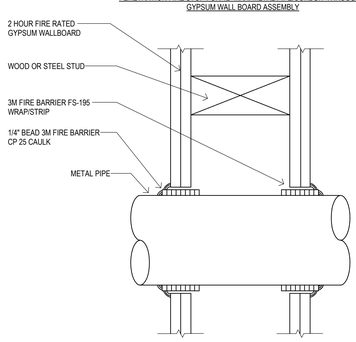
ELECTRICAL COVER SHEET

E0.01

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/250x.rvt Pelican Valley Senior Living_Dec25.rvt
1/28/2025 3:04:47 PM

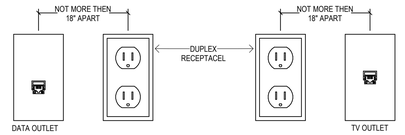
MN

PENETRATION FIRE STOP FOR 12" MAX. METAL PIPE/CONDUIT THROUGH A GYPSUM WALL BOARD ASSEMBLY

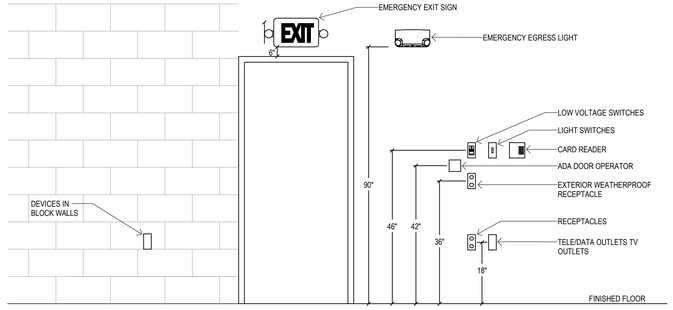


UL SYSTEM #147(B)

3 PENETRATION THROUGH FIRE RATED WALL
NOT TO SCALE



2 DEVICE SPACING DETAIL
NOT TO SCALE

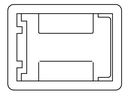


NOTE: THESE MOUNTING HEIGHTS ARE TYPICAL UNLESS NOTED OTHERWISE ON THE DRAWINGS.

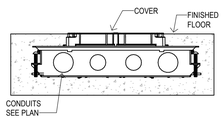
1 TYPICAL DEVICE MOUNTING HEIGHT DETAIL
NOT TO SCALE

FLOOR BOX SCHEDULE

BOX ID	DESCRIPTION	CATALOG NUMBER	COVER	DEVICE COVER PLATES	COLOR
FB-A	4-GANG MULTI-SERVICE CAST IRON FULLY ADJUSTABLE, ON GRADE APPLICATION	WIREMOLD RB4	FLIP COVER	(2) DUPLEX RECEPT (1) TELE DATA (1) A/V	NICKEL
FB-B	1-GANG CAST IRON FULLY ADJUSTABLE, ON GRADE APPLICATION	WIREMOLD 880CS1-1	FLIP COVER	(1) DUPLEX RECEPT	NICKEL



FB-A COVER - TOP VIEW



FB-X MULTI-SERVICE

4 FLOOR BOX DETAILS
NOT TO SCALE

IDENTIFICATION GUIDELINES

ELECTRICAL EQUIPMENT

SAMPLE PLACARD, PROVIDE PLACARD FOR EACH PANEL TO INDICATE IDENTIFICATION, VOLTAGE, AMPS, FED FROM, AND FEEDER

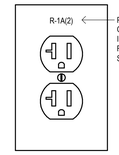
PANEL R-1A
120/208V, 3-PH, 4W
200 AMPS
FED FROM T-R1
4#3/0, 1#6G

ELECTRICAL JUNCTION BOX [CIRCUITS/USE] — PROVIDE LABEL FOR ELECTRICAL BOXES 12"X12" AND LARGER INDICATE CIRCUIT OR USE AS APPLICABLE

ELECTRICAL DISCONNECT FOR [EQUIPMENT NAME] FED FROM [CIRCUIT] — PROVIDE LABEL FOR DISCONNECT SWITCHES LABEL SHALL INCLUDE THE EQUIPMENT NAME

EXAMPLE OF PANEL DIRECTORY: DESCRIPTION INFORMATION SHALL INCLUDE ROOM NUMBER, LOCATION, ETC.

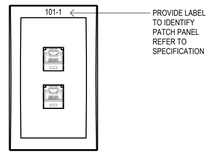
DESCRIPTION	CKT NO.
RECEPTACLES ROOM 101	1
RECEPTACLES ROOM 101, WEST WALL	3
	5
LIGHTS IN ROOM 200	7
SPARE	9
	11



CONDUIT COLOR CODING

USE	COLOR
FIRE ALARM	RED (FACTORY FINISH)
CONTROL WIRING	BLUE (DIFFERENT THAN COMPRESSED AIR PIPING)
ALL OTHER EXPOSED	PAINTED BY GC AFTER INSTALLATION

COMMUNICATIONS



Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7927 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com

JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions

Description	Date	Num

Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

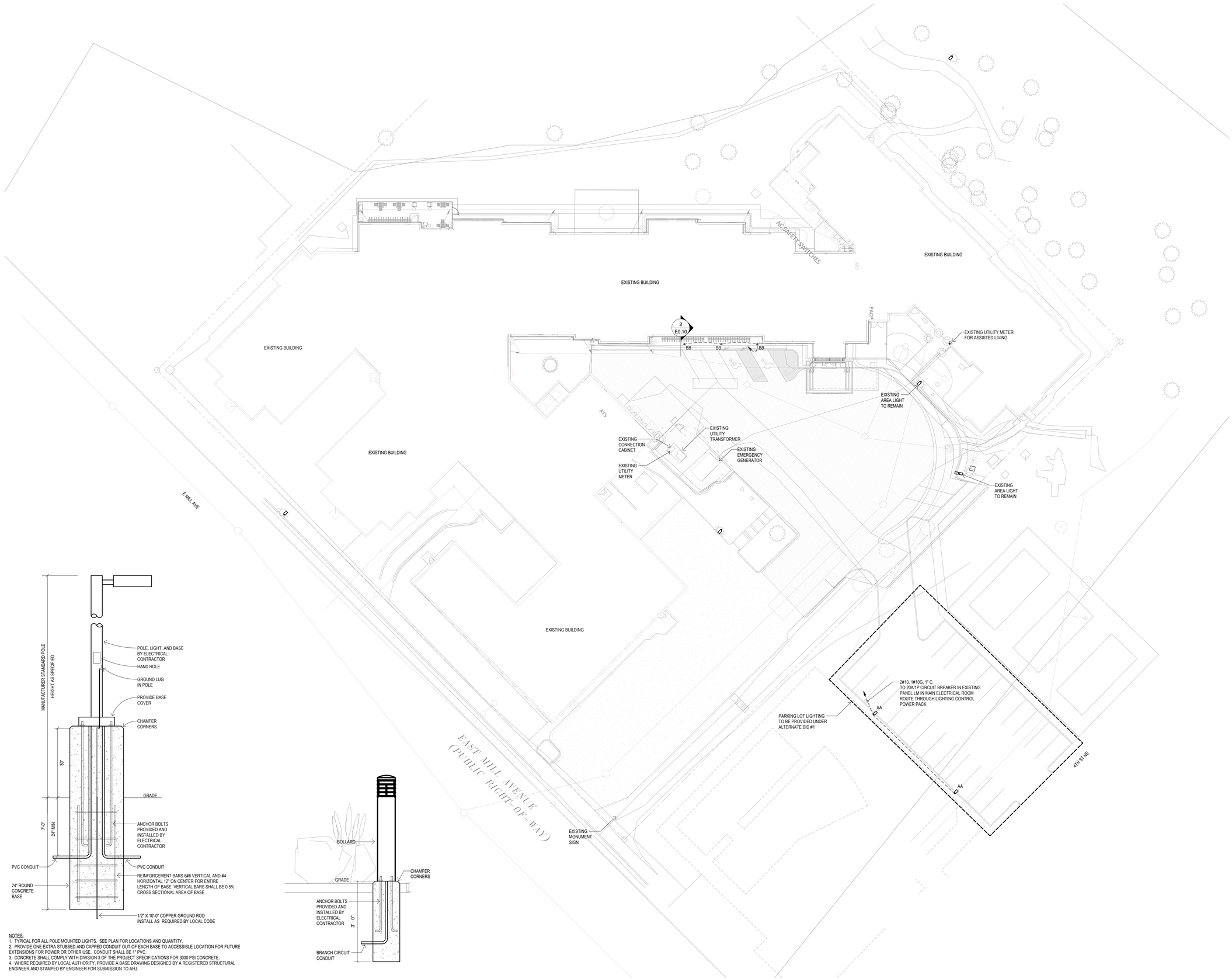
ELECTRICAL DETAILS

E0.02

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/2024-24 Pelican Valley Senior Living_Dan2024.rvt
1/28/2025 3:04:48 PM

E

MN



NOTES:
1. TYPICAL FOR ALL POLE MOUNTED LIGHTS. SEE PLAN FOR LOCATIONS AND QUANTITY.
2. PROVIDE ONE EXTRA STUBBED AND CAPPED CONDUIT OUT OF EACH BASE TO ACCESSIBLE LOCATION FOR FUTURE EXTENSIONS FOR POWER OR OTHER USE. CONDUIT SHALL BE 1" PVC.
3. CONCRETE SHALL COMPLY WITH DIVISION 3 OF THE PROJECT SPECIFICATIONS FOR 3000 PSI CONCRETE.
4. WHERE REQUIRED BY LOCAL AUTHORITY, PROVIDE A BASE DRAWING DESIGNED BY A REGISTERED STRUCTURAL ENGINEER AND STAMPED BY ENGINEER FOR SUBMISSION TO AHJ.

3 POLE BASE DETAIL
NOT TO SCALE

2 BOLLARD ELEVATION & BASE DETAIL
3/4" = 1'-0"

1 OVERALL SITE PLAN
1" = 20'-0"

E

Autodesk Docs://24039 - Pelican Valley Senior Living Renovation/E0.10 Pelican Valley Senior Living_24a.rvt
12/20/2025 3:54:31 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

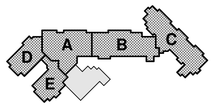
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



KEY PLAN
FIRST FLOOR

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions

Description	Date	Num

Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

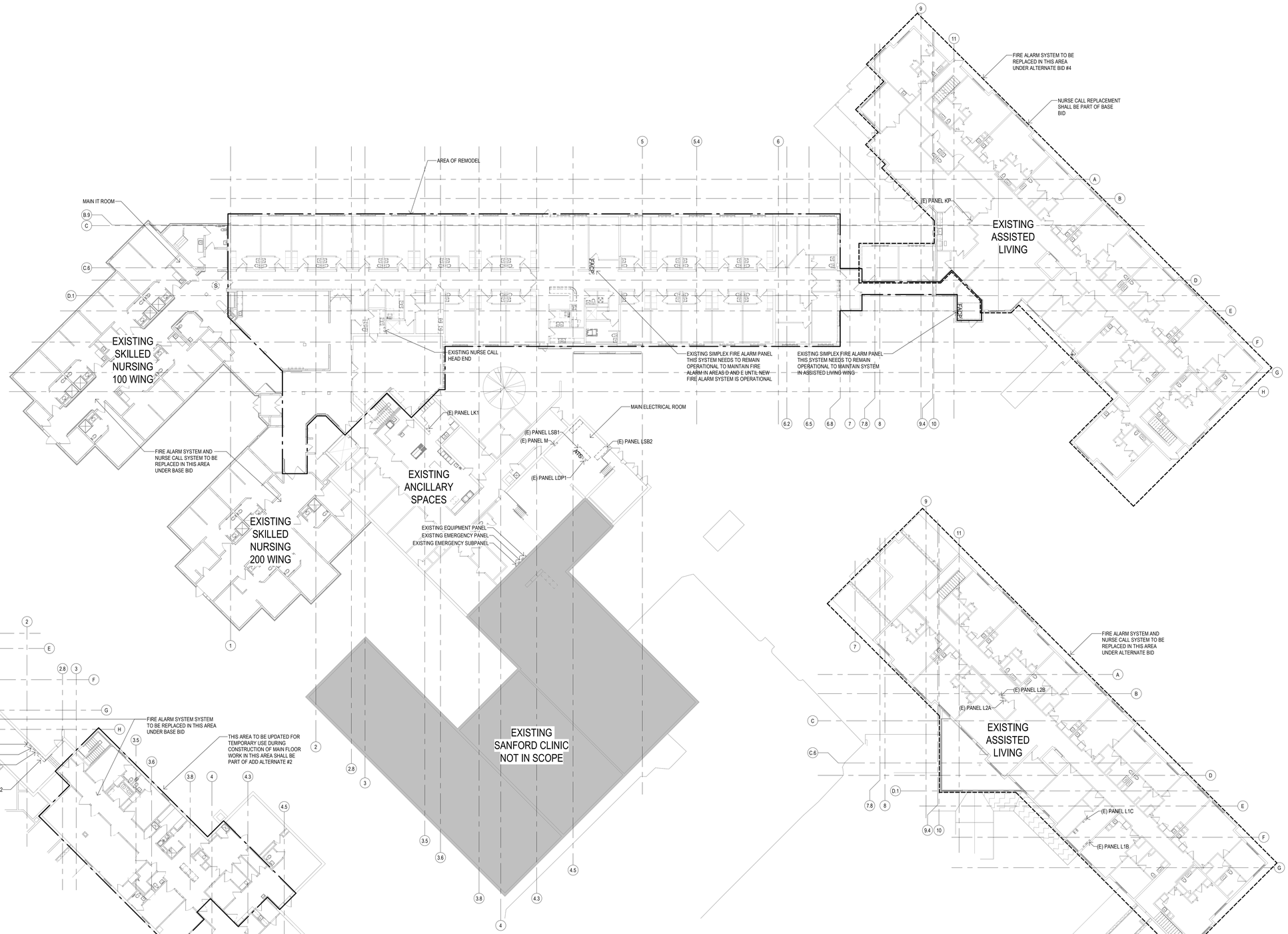
North

Scale: **As indicated**

SITE PLAN ELECTRICAL

E0.10

MN



1 **FIRST FLOOR PLAN - EXISTING ELECTRICAL**
1/16" = 1'-0"

2 **UPPER FLOOR ASSISTED LIVING PLAN - ELECTRICAL**
1/16" = 1'-0"

3 **UPPER FLOOR PLAN - EXISTING ELECTRICAL**
1/16" = 1'-0"

E

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/E0.20 Pelican Valley Senior Living_Elec.rvt
1/28/2025 3:04:36 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7927 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

KEY PLAN
FIRST FLOOR

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

North

OVERALL FLOOR PLANS - ELECTRICAL

Scale: **1/16" = 1'-0"**

E0.20

DEMOLITION LEGEND

IN THE AREA TO BE COMPLETELY DEMOLISHED, ELECTRICAL CONTRACTOR SHALL DISCONNECT POWER TO PANELS, PULL BACK ANY CIRCUITS THAT CROSS INTO EXISTING BUILDING TO REMAIN AND PULL BACK ALL LOW VOLTAGE CABLING THAT CROSSES OVER INTO EXISTING BUILDING TO AVOID DAMAGE WHEN BUILDING IS DEMOLISHED. ELECTRICAL CONTRACTOR SHALL REMOVE ALL FLUORESCENT LAMPS AND PROPERLY DISPOSE IN ACCORDANCE WITH LOCAL REGULATIONS AND LAWS. COORDINATE DEMOLITION WITH GENERAL CONTRACTOR.

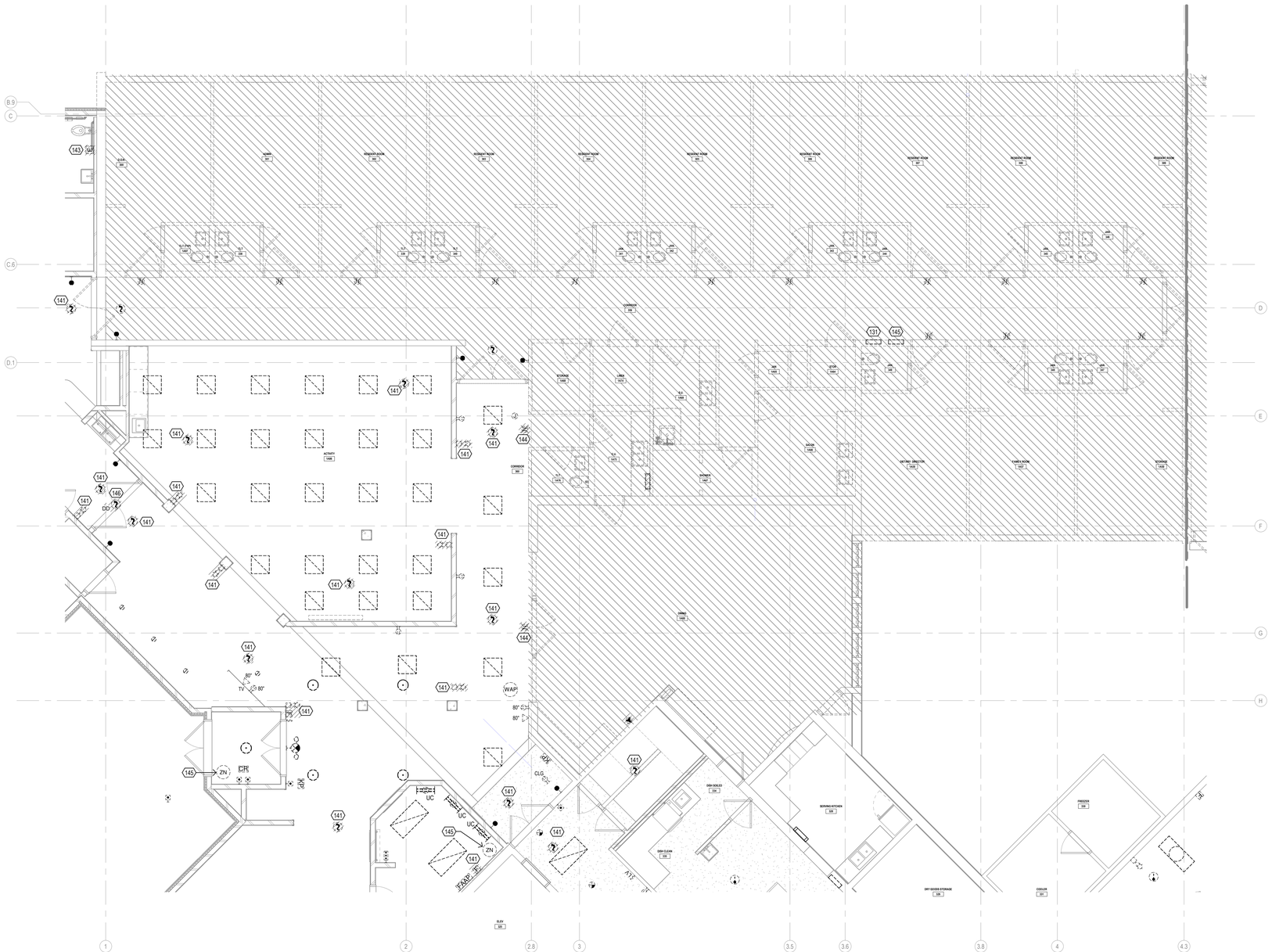
ITEMS THAT ARE HATCHED ARE TO BE REMOVED. REMOVE ASSOCIATED CONDUITS AND WIRING COMPLETELY BACK TO THE NEAREST JBOX TO REMAIN OR SOURCE UNLESS OTHERWISE NOTED.

DEMOLITION NOTES

1. EXISTING CONDITIONS SHOWN ARE BASED ON AS BUILT DRAWINGS AND LIMITED FIELD OBSERVATION. CONTRACTOR SHALL VERIFY INFORMATION SHOWN AND EXISTING CONDITIONS. DASHED ITEMS ARE EXISTING. HATCHED ITEMS ARE TO BE DEMOLISHED. ITEMS NOT HATCHED ARE TO REMAIN IN SERVICE UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL ENSURE THAT ALL EXISTING DEVICES TO REMAIN ARE OPERATIONAL WHEN CONSTRUCTION IS COMPLETE. FIELD VERIFY EXISTING CONDITIONS.
2. CONTRACTOR SHALL COORDINATE EXISTING CONDITIONS WITH NEW WORK. EXISTING CONDUIT AND WIRING SHOULD BE REUSED WHERE POSSIBLE.
3. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL MATERIAL OF NO VALUE TO OWNER. DISPOSE IN ACCORDANCE WITH LOCAL AND EPA REGULATIONS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR STORING AND PROTECTING ITEMS SCHEDULED TO BE REINSTALLED. DAMAGED ITEMS SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
5. REVIEW ARCHITECTURAL DRAWINGS FOR INFORMATION REGARDING ASBESTOS ABATEMENT.
6. MAINTAIN WIRING TO EXISTING FIRE ALARM DEVICES TO REMAIN. ENSURE PROPER OPERATION WHEN INSTALLATION IS COMPLETE.
7. REMOVE ALL ABANDONED LOW VOLTAGE CABLING ABOVE CEILING AND IN WALLS.
8. MODIFY EXISTING CIRCUITS DISRUPTED BY REMOVAL OF A DEVICE IN MIDDLE OF CIRCUIT SO THAT REMAINING DEVICES DOWNSTREAM REMAIN OPERATIONAL.

SHEET NOTES

131	DE-ENERGIZE ELECTRICAL PANELS AND MAKE SAFE FOR DEMOLITION.
141	EXISTING FIRE ALARM DEVICE TO BE REPLACED.
143	EXISTING NURSE CALL EMERGENCY BATH STATION TO BE REPLACED.
144	EXISTING NURSE CALL LIGHT TO BE REPLACED.
145	REMOVE EXISTING NURSE CALL CONTROLLER AND ASSOCIATED WIRING.
146	EXISTING DUCT SMOKE DETECTOR ASSOCIATED WITH FIRE/SMOKE DAMPER TO BE REPLACED. NEW INTERFACE TO FIRE SMOKE/DAMPER TO BE PROVIDED WITH NEW FIRE ALARM SYSTEM.



1 **FIRST FLOOR PLAN - AREA A - ELECTRICAL DEMOLITION**
3/16" = 1'-0"

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com

JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

KEY PLAN
FIRST FLOOR

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions

Description	Date	Num

Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

North

FIRST FLOOR PLAN - AREA A - ELECTRICAL DEMOLITION

Scale: **As Indicated**

E1.00a

MN

E

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/2024-24 Pelican Valley Senior Living_Detail.rvt
1/28/2025 3:04:48 PM

MN

DEMOLITION LEGEND

IN THE AREA TO BE COMPLETELY DEMOLISHED, ELECTRICAL CONTRACTOR SHALL DISCONNECT POWER TO PANELS, PULL BACK ANY CIRCUITS THAT CROSS INTO EXISTING BUILDING TO REMAIN AND PULL BACK ALL LOW VOLTAGE CABLING THAT CROSSES OVER INTO EXISTING BUILDING TO AVOID DAMAGE WHEN BUILDING IS DEMOLISHED. ELECTRICAL CONTRACTOR SHALL REMOVE ALL FLUORESCENT LAMPS AND PROPERLY DISPOSE IN ACCORDANCE WITH LOCAL REGULATIONS AND LAWS. COORDINATE DEMOLITION WITH GENERAL CONTRACTOR.

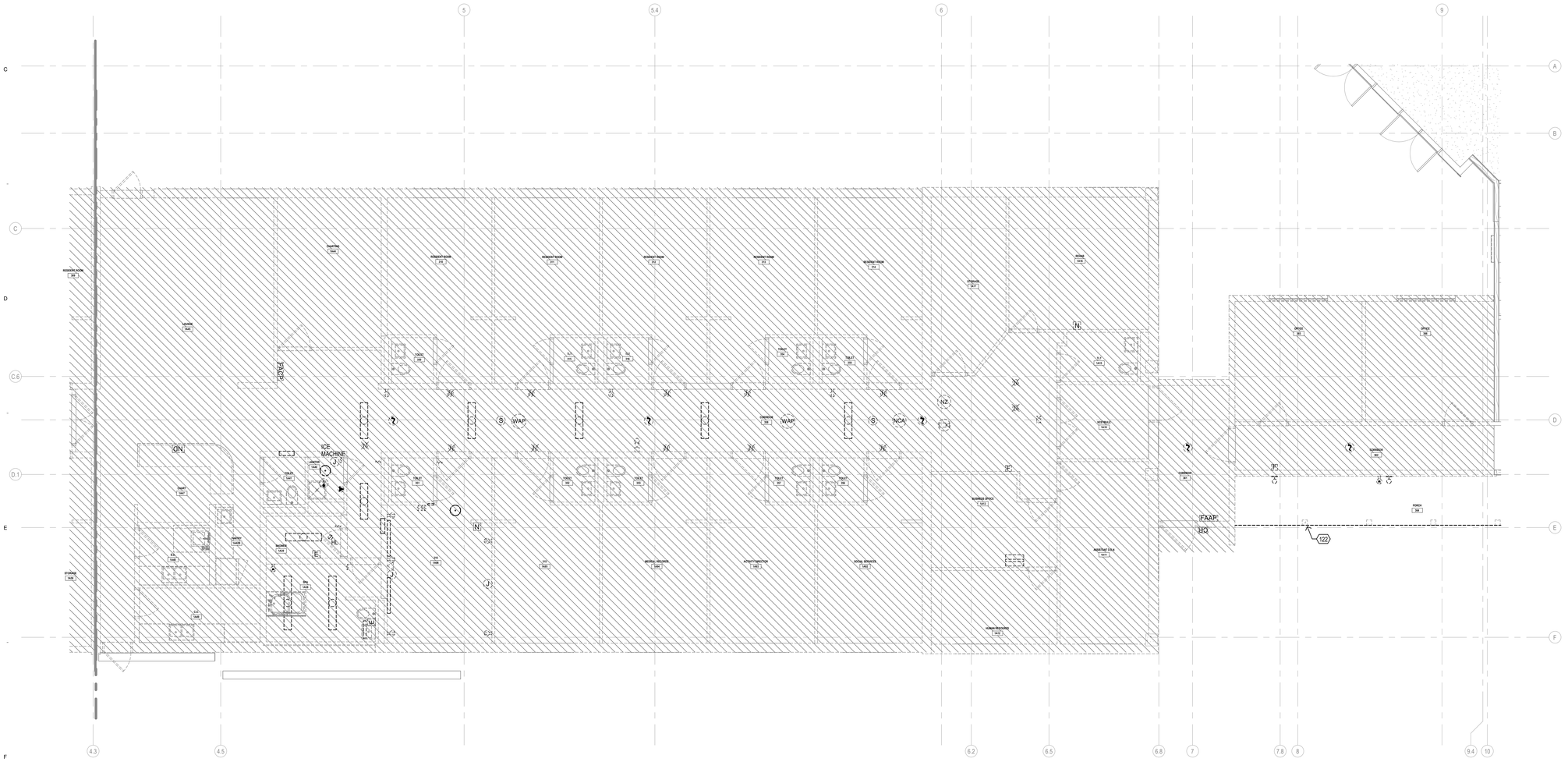
ITEMS THAT ARE HATCHED ARE TO BE REMOVED. REMOVE ASSOCIATED CONDUITS AND WIRING COMPLETELY BACK TO THE NEAREST JBOX TO REMAIN OR SOURCE UNLESS OTHERWISE NOTED.

DEMOLITION NOTES

1. EXISTING CONDITIONS SHOWN ARE BASED ON AS BUILT DRAWINGS AND LIMITED FIELD OBSERVATION. CONTRACTOR SHALL VERIFY INFORMATION SHOWN AND EXISTING CONDITIONS. DASHED ITEMS ARE EXISTING. HATCHED ITEMS ARE TO BE DEMOLISHED. ITEMS NOT HATCHED ARE TO REMAIN IN SERVICE UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL ENSURE THAT ALL EXISTING DEVICES TO REMAIN ARE OPERATIONAL WHEN CONSTRUCTION IS COMPLETE. FIELD VERIFY EXISTING CONDITIONS.
2. CONTRACTOR SHALL COORDINATE EXISTING CONDITIONS WITH NEW WORK. EXISTING CONDUIT AND WIRING SHOULD BE REUSED WHERE POSSIBLE.
3. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL MATERIAL OF NO VALUE TO OWNER. DISPOSE IN ACCORDANCE WITH LOCAL AND EPA REGULATIONS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR STORING AND PROTECTING ITEMS SCHEDULED TO BE REINSTALLED. DAMAGED ITEMS SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
5. REVIEW ARCHITECTURAL DRAWINGS FOR INFORMATION REGARDING ASBESTOS ABATEMENT.
6. MAINTAIN WIRING TO EXISTING FIRE ALARM DEVICES TO REMAIN. ENSURE PROPER OPERATION WHEN INSTALLATION IS COMPLETE.
7. REMOVE ALL ABANDONED LOW VOLTAGE CABLING ABOVE CEILING AND IN WALLS.
8. MODIFY EXISTING CIRCUITS DISRUPTED BY REMOVAL OF A DEVICE IN MIDDLE OF CIRCUIT SO THAT REMAINING DEVICES DOWNSTREAM REMAIN OPERATIONAL.

SHEET NOTES

122	STRING LIGHTS TO BE REMOVED AND TURNED OVER TO OWNER.



E

1 **FIRST FLOOR PLAN - AREA B - ELECTRICAL DEMOLITION**
3/16" = 1'-0"

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039-24 Pelican Valley Senior Living_R24.rvt
1/28/2025 3:05:06 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

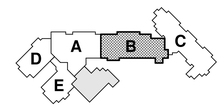
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



KEY PLAN
FIRST LEVEL

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

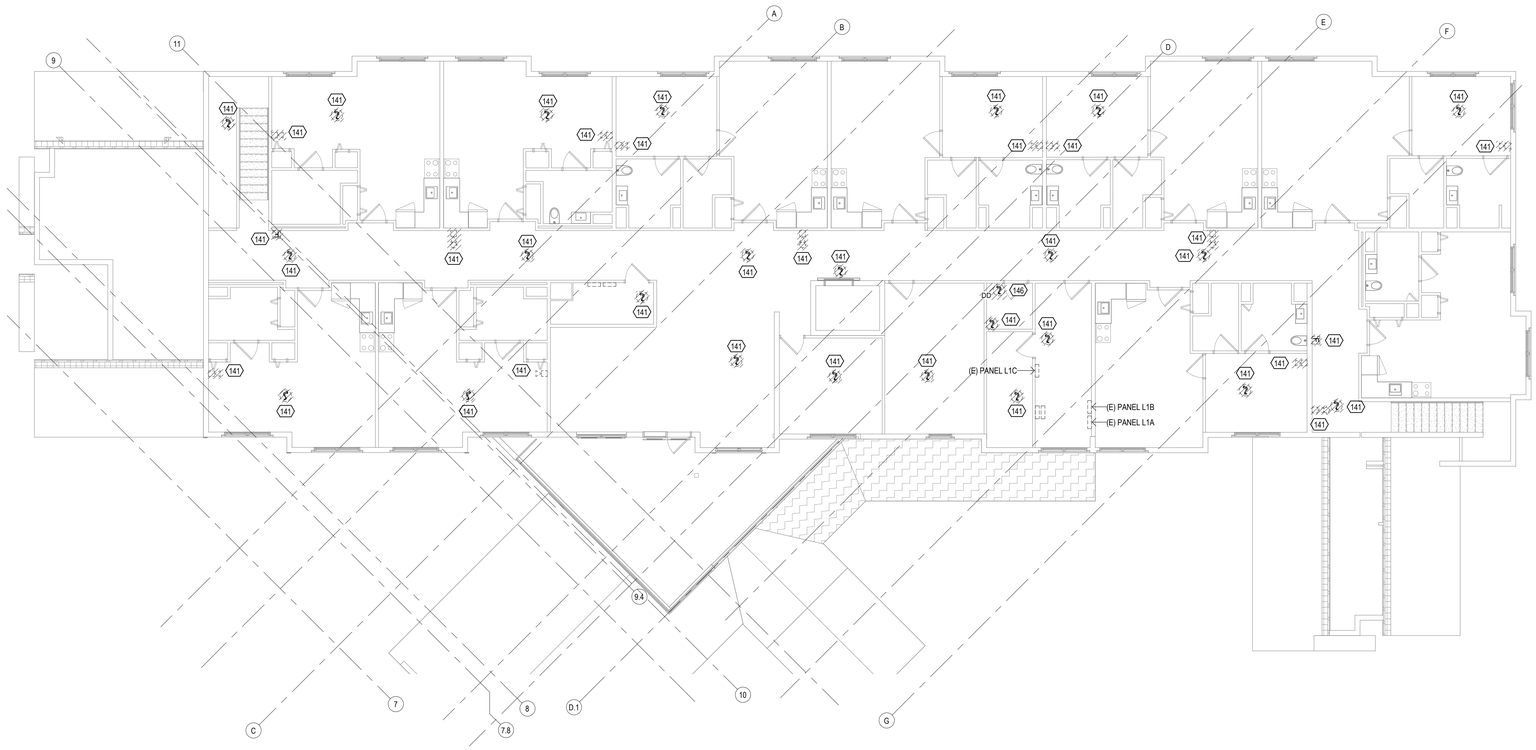
North

FIRST FLOOR PLAN - AREA B - ELECTRICAL DEMOLITION

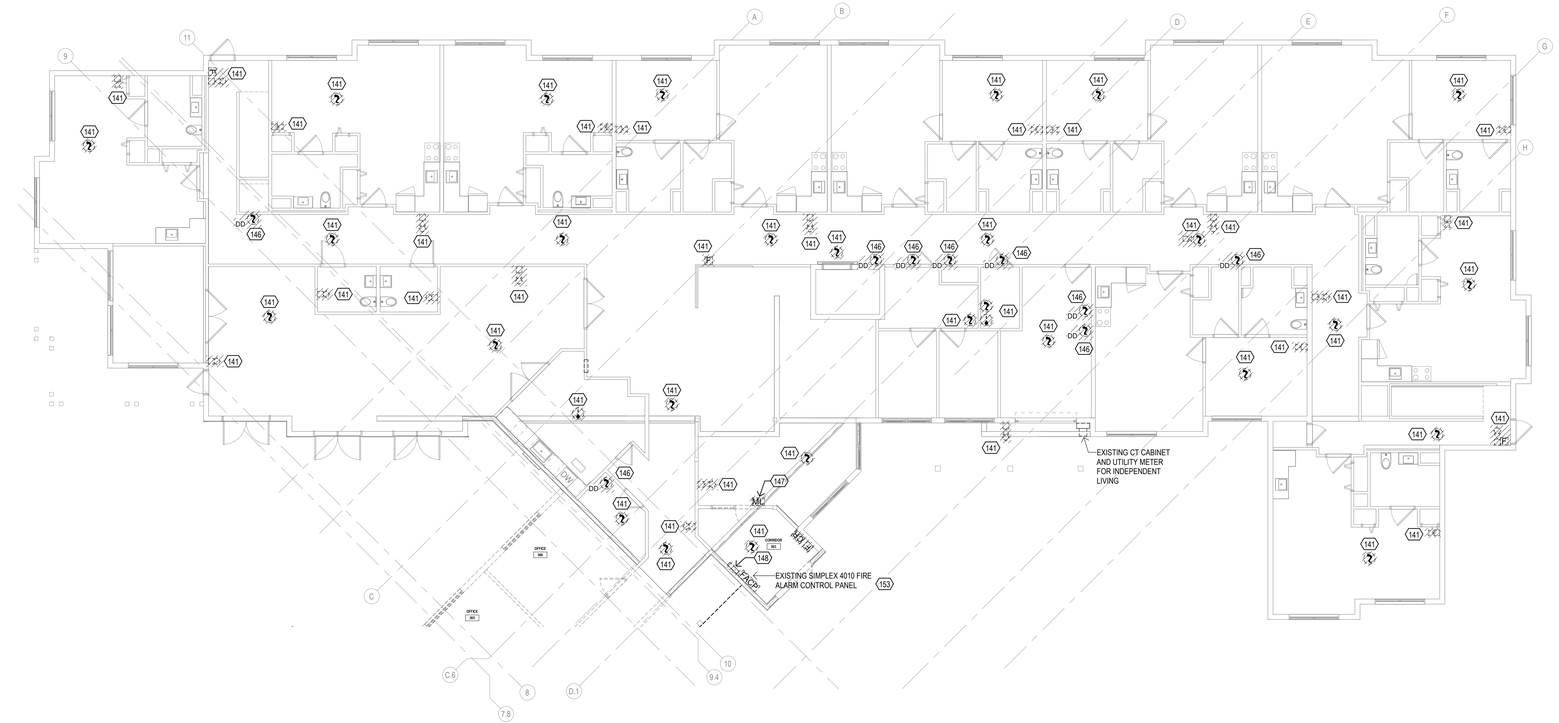
Scale: **As Indicated**

E1.00b

MN



2 UPPER FLOOR ASSISTED LIVING PLAN - ELECTRICAL DEMOLITION
1/8" = 1'-0"



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

E

DEMOLITION LEGEND

IN THE AREA TO BE COMPLETELY DEMOLISHED, ELECTRICAL CONTRACTOR SHALL DISCONNECT POWER TO PANELS, PULL BACK ANY CIRCUITS THAT CROSS INTO EXISTING BUILDING TO REMAIN AND PULL BACK ALL LOW VOLTAGE CABLING THAT CROSSES OVER INTO EXISTING BUILDING TO AVOID DAMAGE WHEN BUILDING IS DEMOLISHED. ELECTRICAL CONTRACTOR SHALL REMOVE ALL FLUORESCENT LAMPS AND PROPERLY DISPOSE IN ACCORDANCE WITH LOCAL REGULATIONS AND LAWS. COORDINATE DEMOLITION WITH GENERAL CONTRACTOR.

ITEMS THAT ARE HATCHED ARE TO BE REMOVED. REMOVE ASSOCIATED CONDUITS AND WIRING COMPLETELY BACK TO THE NEAREST JBOX TO REMAIN OR SOURCE UNLESS OTHERWISE NOTED.

DEMOLITION NOTES

1. EXISTING CONDITIONS SHOWN ARE BASED ON AS BUILT DRAWINGS AND LIMITED FIELD OBSERVATION. CONTRACTOR SHALL VERIFY INFORMATION SHOWN AND EXISTING CONDITIONS. DASHED ITEMS ARE EXISTING. HATCHED ITEMS ARE TO BE DEMOLISHED. ITEMS NOT HATCHED ARE TO REMAIN IN SERVICE UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL ENSURE THAT ALL EXISTING DEVICES TO REMAIN ARE OPERATIONAL WHEN CONSTRUCTION IS COMPLETE. FIELD VERIFY EXISTING CONDITIONS.
2. CONTRACTOR SHALL COORDINATE EXISTING CONDITIONS WITH NEW WORK. EXISTING CONDUIT AND WIRING SHOULD BE REUSED WHERE POSSIBLE.
3. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL MATERIAL OF NO VALUE TO OWNER. DISPOSE IN ACCORDANCE WITH LOCAL AND EPA REGULATIONS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR STORING AND PROTECTING ITEMS SCHEDULED TO BE REINSTALLED. DAMAGED ITEMS SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
5. REVIEW ARCHITECTURAL DRAWINGS FOR INFORMATION REGARDING ASBESTOS ABATEMENT.
6. MAINTAIN WIRING TO EXISTING FIRE ALARM DEVICES TO REMAIN. ENSURE PROPER OPERATION WHEN INSTALLATION IS COMPLETE.
7. REMOVE ALL ABANDONED LOW VOLTAGE CABLING ABOVE CEILING AND IN WALLS.
8. MODIFY EXISTING CIRCUITS DISRUPTED BY REMOVAL OF A DEVICE IN MIDDLE OF CIRCUIT SO THAT REMAINING DEVICES DOWNSTREAM REMAIN OPERATIONAL.

SHEET NOTES

141	EXISTING FIRE ALARM DEVICE TO BE REPLACED.
146	EXISTING DUCT SMOKE DETECTOR ASSOCIATED WITH FIRE/SMOKE DAMPER TO BE REPLACED. NEW INTERFACE TO FIRE SMOKE/DAMPER TO BE PROVIDED WITH NEW FIRE ALARM SYSTEM.
147	REMOVE EXISTING MAGNETIC LOCK AND ALL ASSOCIATED WIRING.
148	EXISTING APARTMENT ENTRY PANEL. REMOVE AND TURN OVER TO OWNER. SYSTEM IS NOT BEING REPLACED. PULL BACK WIRING TO ACCESSIBLE CEILING AND ABANDON IN PLACE.
153	EXISTING FIRE ALARM PANEL TO REMAIN IN SERVICE UNTIL NEW SYSTEM IS INSTALLED, TESTED, AND OPERATIONAL. THIS EXISTING SIMPLEX SYSTEM SHALL BE REMOVED AFTER NEW SYSTEM IS INSTALLED.

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

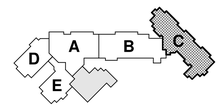
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com

JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



KEY PLAN
FIRST FLOOR

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions

Description	Date	Num

Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

North

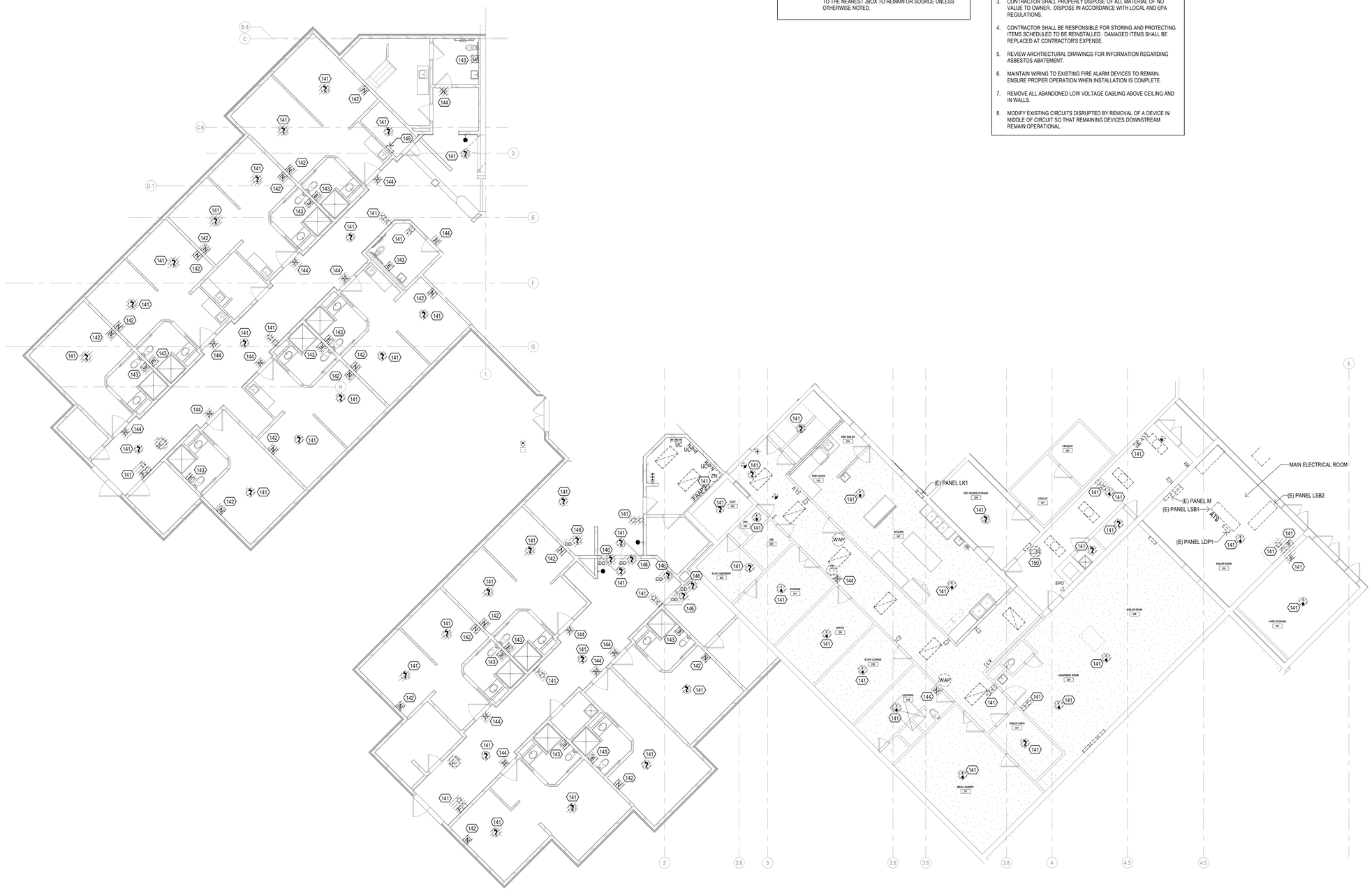
FIRST & SECOND FLOOR PLAN - AREA C - ELECTRICAL DEMOLITION

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

E1.00c

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039 Jeff Project Valley Senior Living_Rev25.rvt
1/28/2025 8:05:48 PM

MN



DEMOLITION LEGEND

IN THE AREA TO BE COMPLETELY DEMOLISHED, ELECTRICAL CONTRACTOR SHALL DISCONNECT POWER TO PANELS, PULL BACK ANY CIRCUITS THAT CROSS INTO EXISTING BUILDING TO REMAIN AND PULL BACK ALL LOW VOLTAGE CABLING THAT CROSSES OVER INTO EXISTING BUILDING TO AVOID DAMAGE WHEN BUILDING IS DEMOLISHED. ELECTRICAL CONTRACTOR SHALL REMOVE ALL FLUORESCENT LAMPS AND PROPERLY DISPOSE IN ACCORDANCE WITH LOCAL REGULATIONS AND LAWS. COORDINATE DEMOLITION WITH GENERAL CONTRACTOR.

ITEMS THAT ARE HATCHED ARE TO BE REMOVED. REMOVE ASSOCIATED CONDUITS AND WIRING COMPLETELY BACK TO THE NEAREST JBOX TO REMAIN OR SOURCE UNLESS OTHERWISE NOTED.

DEMOLITION NOTES

1. EXISTING CONDITIONS SHOWN ARE BASED ON AS BUILT DRAWINGS AND LIMITED FIELD OBSERVATION. CONTRACTOR SHALL VERIFY INFORMATION SHOWN AND EXISTING CONDITIONS. DASHED ITEMS ARE EXISTING. HATCHED ITEMS ARE TO BE DEMOLISHED. ITEMS NOT HATCHED ARE TO REMAIN IN SERVICE UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL ENSURE THAT ALL EXISTING DEVICES TO REMAIN ARE OPERATIONAL WHEN CONSTRUCTION IS COMPLETE. FIELD VERIFY EXISTING CONDITIONS.
2. CONTRACTOR SHALL COORDINATE EXISTING CONDITIONS WITH NEW WORK. EXISTING CONDUIT AND WIRING SHOULD BE REUSED WHERE POSSIBLE.
3. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL MATERIAL OF NO VALUE TO OWNER. DISPOSE IN ACCORDANCE WITH LOCAL AND EPA REGULATIONS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR STORING AND PROTECTING ITEMS SCHEDULED TO BE REINSTALLED. DAMAGED ITEMS SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
5. REVIEW ARCHITECTURAL DRAWINGS FOR INFORMATION REGARDING ASBESTOS ABATEMENT.
6. MAINTAIN WIRING TO EXISTING FIRE ALARM DEVICES TO REMAIN. ENSURE PROPER OPERATION WHEN INSTALLATION IS COMPLETE.
7. REMOVE ALL ABANDONED LOW VOLTAGE CABLING ABOVE CEILING AND IN WALLS.
8. MODIFY EXISTING CIRCUITS DISRUPTED BY REMOVAL OF A DEVICE IN MIDDLE OF CIRCUIT SO THAT REMAINING DEVICES DOWNSTREAM REMAIN OPERATIONAL.

SHEET NOTES

141	EXISTING FIRE ALARM DEVICE TO BE REPLACED.
142	EXISTING NURSE CALL PULL STATION TO BE REPLACED.
143	EXISTING NURSE CALL EMERGENCY BATH STATION TO BE REPLACED.
144	EXISTING NURSE CALL LIGHT TO BE REPLACED.
146	EXISTING DUCT SMOKE DETECTOR ASSOCIATED WITH FIRE/SMOKE DAMPER TO BE REPLACED. NEW INTERFACE TO FIRE SMOKE/DAMPER TO BE PROVIDED WITH NEW FIRE ALARM SYSTEM.
149	EXISTING NAC PANEL. REPLACE AS REQUIRED FOR NEW FIRE ALARM SYSTEM.
150	REPLACE EXISTING CAMERA WITH NEW.

1 FIRST FLOOR PLAN - AREA D AND E - ELECTRICAL DEMOLITION
1/8" = 1'-0"

E

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/E00-24 Pelican Valley Senior Living_Dec25.rvt
1/28/2025 3:00:07 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

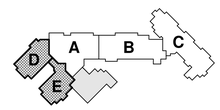
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



KEY PLAN
FIRST FLOOR

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions		
Description	Date	Num

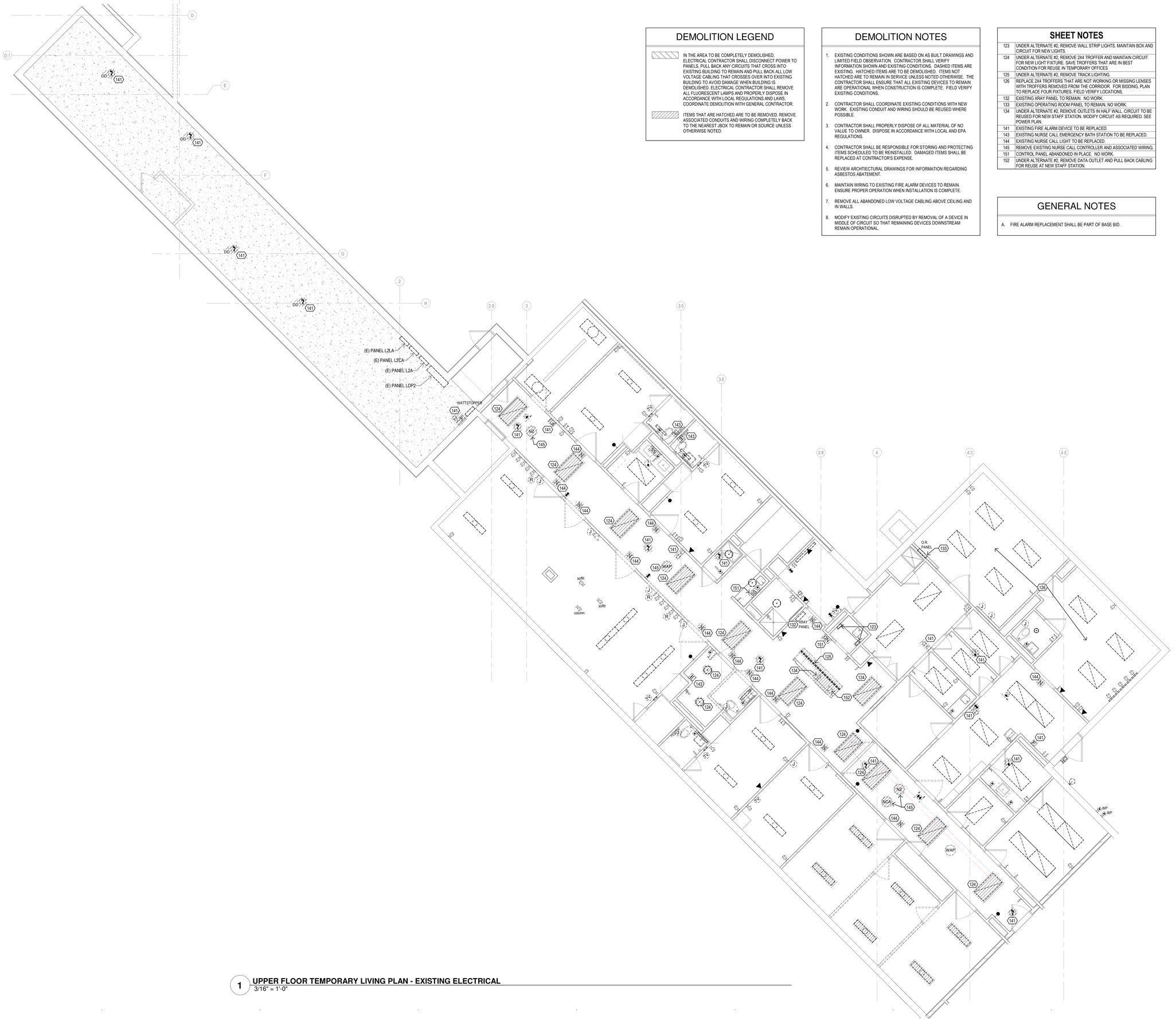
Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

North

FIRST FLOOR PLAN - AREA D AND E - ELECTRICAL DEMOLITION

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

E1.00d



1 **UPPER FLOOR TEMPORARY LIVING PLAN - EXISTING ELECTRICAL**
3/16" = 1'-0"

DEMOLITION LEGEND

IN THE AREA TO BE COMPLETELY DEMOLISHED, ELECTRICAL CONTRACTOR SHALL DISCONNECT POWER TO PANELS, PULL BACK ANY CIRCUITS THAT CROSS INTO EXISTING BUILDING TO REMAIN AND PULL BACK ALL LOW VOLTAGE CABLING THAT CROSSES OVER INTO EXISTING BUILDING TO AVOID DAMAGE WHEN BUILDING IS DEMOLISHED. ELECTRICAL CONTRACTOR SHALL REMOVE ALL FLUORESCENT LAMPS AND PROPERLY DISPOSE IN ACCORDANCE WITH LOCAL REGULATIONS AND LAWS. COORDINATE DEMOLITION WITH GENERAL CONTRACTOR.

ITEMS THAT ARE HATCHED ARE TO BE REMOVED. REMOVE ASSOCIATED CONDUITS AND WIRING COMPLETELY BACK TO THE NEAREST JBOX TO REMAIN OR SOURCE UNLESS OTHERWISE NOTED.

DEMOLITION NOTES

1. EXISTING CONDITIONS SHOWN ARE BASED ON AS BUILT DRAWINGS AND LIMITED FIELD OBSERVATION. CONTRACTOR SHALL VERIFY INFORMATION SHOWN AND EXISTING CONDITIONS. DASHED ITEMS ARE EXISTING. HATCHED ITEMS ARE TO BE DEMOLISHED. ITEMS NOT HATCHED ARE TO REMAIN IN SERVICE UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL ENSURE THAT ALL EXISTING DEVICES TO REMAIN ARE OPERATIONAL WHEN CONSTRUCTION IS COMPLETE. FIELD VERIFY EXISTING CONDITIONS.
2. CONTRACTOR SHALL COORDINATE EXISTING CONDITIONS WITH NEW WORK. EXISTING CONDUIT AND WIRING SHOULD BE REUSED WHERE POSSIBLE.
3. CONTRACTOR SHALL PROPERLY DISPOSE OF ALL MATERIAL OF NO VALUE TO OWNER. DISPOSE IN ACCORDANCE WITH LOCAL AND EPA REGULATIONS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR STORING AND PROTECTING ITEMS SCHEDULED TO BE REINSTALLED. DAMAGED ITEMS SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
5. REVIEW ARCHITECTURAL DRAWINGS FOR INFORMATION REGARDING ASBESTOS ABATEMENT.
6. MAINTAIN WIRING TO EXISTING FIRE ALARM DEVICES TO REMAIN. ENSURE PROPER OPERATION WHEN INSTALLATION IS COMPLETE.
7. REMOVE ALL ABANDONED LOW VOLTAGE CABLING ABOVE CEILING AND IN WALLS.
8. MODIFY EXISTING CIRCUITS DISRUPTED BY REMOVAL OF A DEVICE IN MIDDLE OF CIRCUIT SO THAT REMAINING DEVICES DOWNSTREAM REMAIN OPERATIONAL.

SHEET NOTES

123	UNDER ALTERNATE #2, REMOVE WALL STRIP LIGHTS. MAINTAIN BOX AND CIRCUIT FOR NEW LIGHTS.
124	UNDER ALTERNATE #2, REMOVE 2X4 TROFFER AND MAINTAIN CIRCUIT FOR NEW LIGHT FIXTURE. SAVE TROFFERS THAT ARE IN BEST CONDITION FOR REUSE IN TEMPORARY OFFICES
125	UNDER ALTERNATE #2, REMOVE TRACK LIGHTING.
126	REPLACE 2X4 TROFFERS THAT ARE NOT WORKING OR MISSING LENSES WITH TROFFERS REMOVED FROM THE CORRIDOR. FOR BIDDING, PLAN TO REPLACE FOUR FIXTURES. FIELD VERIFY LOCATIONS.
132	EXISTING XRAY PANEL TO REMAIN. NO WORK.
133	EXISTING OPERATING ROOM PANEL TO REMAIN. NO WORK.
134	UNDER ALTERNATE #2, REMOVE OUTLETS IN HALF WALL. CIRCUIT TO BE REUSED FOR NEW STAFF STATION. MODIFY CIRCUIT AS REQUIRED. SEE POWER PLAN.
141	EXISTING FIRE ALARM DEVICE TO BE REPLACED.
143	EXISTING NURSE CALL EMERGENCY BATH STATION TO BE REPLACED.
144	EXISTING NURSE CALL LIGHT TO BE REPLACED.
145	REMOVE EXISTING NURSE CALL CONTROLLER AND ASSOCIATED WIRING.
151	CONTROL PANEL ABANDONED IN PLACE. NO WORK.
152	UNDER ALTERNATE #2, REMOVE DATA OUTLET AND PULL BACK CABLING FOR REUSE AT NEW STAFF STATION.

GENERAL NOTES

A. FIRE ALARM REPLACEMENT SHALL BE PART OF BASE BID.

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com

JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

KEY PLAN
SECOND FLOOR

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

North

UPPER FLOOR TEMPORARY LIVING PLAN - ELECTRICAL DEMOLITION

Scale: **As indicated**

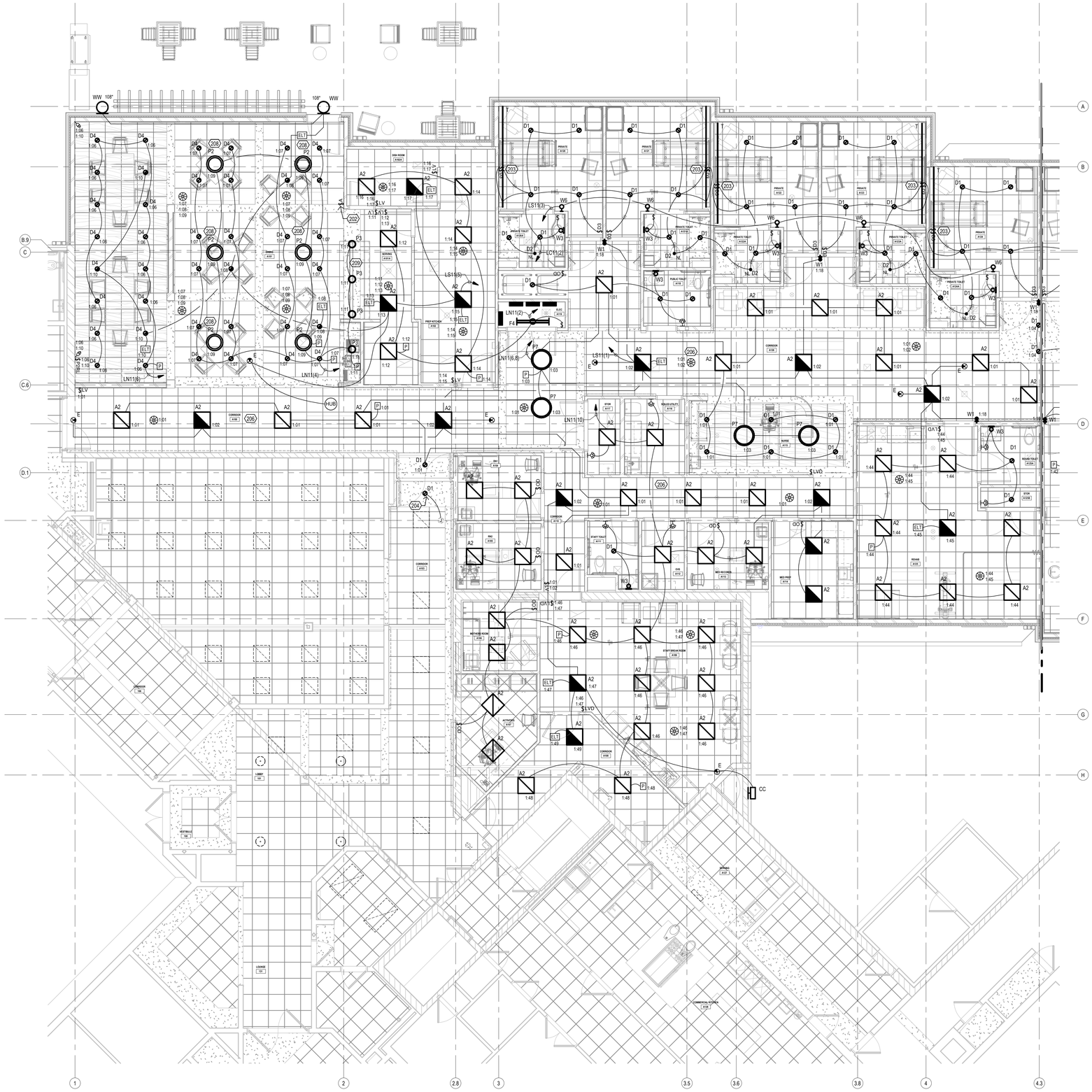
E1.01f

MN

E

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/E01.01 1st Floor Temp Living_Dem.rvt
1/28/2025 3:55:08 PM

MN


WW 108"
108" WW
ELT
P2
D4
D1
W6
W3
W1
P3
P7
LS11(3)
LS11(6)
LN11(2)
LN11(6,8)
LN11(4)
LS11(1)
LN11(10)
CH1(2)
F4
A2
1:01
1:02
1:03
1:44
1:45
1:46
1:47
1:48
1:49
CORRIDOR A100
PRIVATE A101
PRIVATE TOILET A101A
PRIVATE TOILET A101B
PRIVATE TOILET A101C
PRIVATE TOILET A101D
PRIVATE TOILET A101E
PRIVATE TOILET A101F
PRIVATE TOILET A101G
PRIVATE TOILET A101H
PRIVATE TOILET A101J
PRIVATE TOILET A101K
PRIVATE TOILET A101L
PRIVATE TOILET A101M
PRIVATE TOILET A101N
PRIVATE TOILET A101P
PRIVATE TOILET A101Q
PRIVATE TOILET A101R
PRIVATE TOILET A101S
PRIVATE TOILET A101T
PRIVATE TOILET A101U
PRIVATE TOILET A101V
PRIVATE TOILET A101W
PRIVATE TOILET A101X
PRIVATE TOILET A101Y
PRIVATE TOILET A101Z
PRIVATE TOILET A101AA
PRIVATE TOILET A101AB
PRIVATE TOILET A101AC
PRIVATE TOILET A101AD
PRIVATE TOILET A101AE
PRIVATE TOILET A101AF
PRIVATE TOILET A101AG
PRIVATE TOILET A101AH
PRIVATE TOILET A101AJ
PRIVATE TOILET A101AK
PRIVATE TOILET A101AL
PRIVATE TOILET A101AM
PRIVATE TOILET A101AN
PRIVATE TOILET A101AP
PRIVATE TOILET A101AQ
PRIVATE TOILET A101AR
PRIVATE TOILET A101AS
PRIVATE TOILET A101AT
PRIVATE TOILET A101AU
PRIVATE TOILET A101AV
PRIVATE TOILET A101AW
PRIVATE TOILET A101AX
PRIVATE TOILET A101AY
PRIVATE TOILET A101AZ
PRIVATE TOILET A101BA
PRIVATE TOILET A101BB
PRIVATE TOILET A101BC
PRIVATE TOILET A101BD
PRIVATE TOILET A101BE
PRIVATE TOILET A101BF
PRIVATE TOILET A101BG
PRIVATE TOILET A101BH
PRIVATE TOILET A101BJ
PRIVATE TOILET A101BK
PRIVATE TOILET A101BL
PRIVATE TOILET A101BM
PRIVATE TOILET A101BN
PRIVATE TOILET A101BP
PRIVATE TOILET A101BQ
PRIVATE TOILET A101BR
PRIVATE TOILET A101BS
PRIVATE TOILET A101BT
PRIVATE TOILET A101BU
PRIVATE TOILET A101BV
PRIVATE TOILET A101BW
PRIVATE TOILET A101BX
PRIVATE TOILET A101BY
PRIVATE TOILET A101BZ
PRIVATE TOILET A101CA
PRIVATE TOILET A101CB
PRIVATE TOILET A101CC
PRIVATE TOILET A101CD
PRIVATE TOILET A101CE
PRIVATE TOILET A101CF
PRIVATE TOILET A101CG
PRIVATE TOILET A101CH
PRIVATE TOILET A101CJ
PRIVATE TOILET A101CK
PRIVATE TOILET A101CL
PRIVATE TOILET A101CM
PRIVATE TOILET A101CN
PRIVATE TOILET A101CP
PRIVATE TOILET A101CQ
PRIVATE TOILET A101CR
PRIVATE TOILET A101CS
PRIVATE TOILET A101CT
PRIVATE TOILET A101CU
PRIVATE TOILET A101CV
PRIVATE TOILET A101CW
PRIVATE TOILET A101CX
PRIVATE TOILET A101CY
PRIVATE TOILET A101CZ
PRIVATE TOILET A101DA
PRIVATE TOILET A101DB
PRIVATE TOILET A101DC
PRIVATE TOILET A101DD
PRIVATE TOILET A101DE
PRIVATE TOILET A101DF
PRIVATE TOILET A101DG
PRIVATE TOILET A101DH
PRIVATE TOILET A101DJ
PRIVATE TOILET A101DK
PRIVATE TOILET A101DL
PRIVATE TOILET A101DM
PRIVATE TOILET A101DN
PRIVATE TOILET A101DP
PRIVATE TOILET A101DQ
PRIVATE TOILET A101DR
PRIVATE TOILET A101DS
PRIVATE TOILET A101DT
PRIVATE TOILET A101DU
PRIVATE TOILET A101DV
PRIVATE TOILET A101DW
PRIVATE TOILET A101DX
PRIVATE TOILET A101DY
PRIVATE TOILET A101DZ
PRIVATE TOILET A101EA
PRIVATE TOILET A101EB
PRIVATE TOILET A101EC
PRIVATE TOILET A101ED
PRIVATE TOILET A101EE
PRIVATE TOILET A101EF
PRIVATE TOILET A101EG
PRIVATE TOILET A101EH
PRIVATE TOILET A101EJ
PRIVATE TOILET A101EK
PRIVATE TOILET A101EL
PRIVATE TOILET A101EM
PRIVATE TOILET A101EN
PRIVATE TOILET A101EP
PRIVATE TOILET A101EQ
PRIVATE TOILET A101ER
PRIVATE TOILET A101ES
PRIVATE TOILET A101ET
PRIVATE TOILET A101EU
PRIVATE TOILET A101EV
PRIVATE TOILET A101EW
PRIVATE TOILET A101EX
PRIVATE TOILET A101EY
PRIVATE TOILET A101EZ
PRIVATE TOILET A101FA
PRIVATE TOILET A101FB
PRIVATE TOILET A101FC
PRIVATE TOILET A101FD
PRIVATE TOILET A101FE
PRIVATE TOILET A101FF
PRIVATE TOILET A101FG
PRIVATE TOILET A101FH
PRIVATE TOILET A101FJ
PRIVATE TOILET A101FK
PRIVATE TOILET A101FL
PRIVATE TOILET A101FM
PRIVATE TOILET A101FN
PRIVATE TOILET A101FP
PRIVATE TOILET A101FQ
PRIVATE TOILET A101FR
PRIVATE TOILET A101FS
PRIVATE TOILET A101FT
PRIVATE TOILET A101FU
PRIVATE TOILET A101FV
PRIVATE TOILET A101FW
PRIVATE TOILET A101FX
PRIVATE TOILET A101FY
PRIVATE TOILET A101FZ
PRIVATE TOILET A101GA
PRIVATE TOILET A101GB
PRIVATE TOILET A101GC
PRIVATE TOILET A101GD
PRIVATE TOILET A101GE
PRIVATE TOILET A101GF
PRIVATE TOILET A101GG
PRIVATE TOILET A101GH
PRIVATE TOILET A101GJ
PRIVATE TOILET A101GK
PRIVATE TOILET A101GL
PRIVATE TOILET A101GM
PRIVATE TOILET A101GN
PRIVATE TOILET A101GP
PRIVATE TOILET A101GQ
PRIVATE TOILET A101GR
PRIVATE TOILET A101GS
PRIVATE TOILET A101GT
PRIVATE TOILET A101GU
PRIVATE TOILET A101GV
PRIVATE TOILET A101GW
PRIVATE TOILET A101GX
PRIVATE TOILET A101GY
PRIVATE TOILET A101GZ
PRIVATE TOILET A101HA
PRIVATE TOILET A101HB
PRIVATE TOILET A101HC
PRIVATE TOILET A101HD
PRIVATE TOILET A101HE
PRIVATE TOILET A101HF
PRIVATE TOILET A101HG
PRIVATE TOILET A101HH
PRIVATE TOILET A101HJ
PRIVATE TOILET A101HK
PRIVATE TOILET A101HL
PRIVATE TOILET A101HM
PRIVATE TOILET A101HN
PRIVATE TOILET A101HP
PRIVATE TOILET A101HQ
PRIVATE TOILET A101HR
PRIVATE TOILET A101HS
PRIVATE TOILET A101HT
PRIVATE TOILET A101HU
PRIVATE TOILET A101HV
PRIVATE TOILET A101HW
PRIVATE TOILET A101HX
PRIVATE TOILET A101HY
PRIVATE TOILET A101HZ
PRIVATE TOILET A101JA
PRIVATE TOILET A101JB
PRIVATE TOILET A101JC
PRIVATE TOILET A101JD
PRIVATE TOILET A101JE
PRIVATE TOILET A101JF
PRIVATE TOILET A101JG
PRIVATE TOILET A101JH
PRIVATE TOILET A101JJ
PRIVATE TOILET A101JK
PRIVATE TOILET A101JL
PRIVATE TOILET A101JM
PRIVATE TOILET A101JN
PRIVATE TOILET A101JP
PRIVATE TOILET A101JQ
PRIVATE TOILET A101JR
PRIVATE TOILET A101JS
PRIVATE TOILET A101JT
PRIVATE TOILET A101JU
PRIVATE TOILET A101JV
PRIVATE TOILET A101JW
PRIVATE TOILET A101JX
PRIVATE TOILET A101JY
PRIVATE TOILET A101JZ
PRIVATE TOILET A101KA
PRIVATE TOILET A101KB
PRIVATE TOILET A101KC
PRIVATE TOILET A101KD
PRIVATE TOILET A101KE
PRIVATE TOILET A101KF
PRIVATE TOILET A101KG
PRIVATE TOILET A101KH
PRIVATE TOILET A101KJ
PRIVATE TOILET A101KK
PRIVATE TOILET A101KL
PRIVATE TOILET A101KM
PRIVATE TOILET A101KN
PRIVATE TOILET A101KP
PRIVATE TOILET A101KQ
PRIVATE TOILET A101KR
PRIVATE TOILET A101KS
PRIVATE TOILET A101KT
PRIVATE TOILET A101KU
PRIVATE TOILET A101KV
PRIVATE TOILET A101KW
PRIVATE TOILET A101KX
PRIVATE TOILET A101KY
PRIVATE TOILET A101KZ
PRIVATE TOILET A101LA
PRIVATE TOILET A101LB
PRIVATE TOILET A101LC
PRIVATE TOILET A101LD
PRIVATE TOILET A101LE
PRIVATE TOILET A101LF
PRIVATE TOILET A101LG
PRIVATE TOILET A101LH
PRIVATE TOILET A101LJ
PRIVATE TOILET A101LK
PRIVATE TOILET A101LL
PRIVATE TOILET A101LM
PRIVATE TOILET A101LN
PRIVATE TOILET A101LP
PRIVATE TOILET A101LQ
PRIVATE TOILET A101LR
PRIVATE TOILET A101LS
PRIVATE TOILET A101LT
PRIVATE TOILET A101LU
PRIVATE TOILET A101LV
PRIVATE TOILET A101LW
PRIVATE TOILET A101LX
PRIVATE TOILET A101LY
PRIVATE TOILET A101LZ
PRIVATE TOILET A101MA
PRIVATE TOILET A101MB
PRIVATE TOILET A101MC
PRIVATE TOILET A101MD
PRIVATE TOILET A101ME
PRIVATE TOILET A101MF
PRIVATE TOILET A101MG
PRIVATE TOILET A101MH
PRIVATE TOILET A101MJ
PRIVATE TOILET A101MK
PRIVATE TOILET A101ML
PRIVATE TOILET A101MM
PRIVATE TOILET A101MN
PRIVATE TOILET A101MP
PRIVATE TOILET A101MQ
PRIVATE TOILET A101MR
PRIVATE TOILET A101MS
PRIVATE TOILET A101MT
PRIVATE TOILET A101MU
PRIVATE TOILET A101MV
PRIVATE TOILET A101MW
PRIVATE TOILET A101MX
PRIVATE TOILET A101MY
PRIVATE TOILET A101MZ
PRIVATE TOILET A101NA
PRIVATE TOILET A101NB
PRIVATE TOILET A101NC
PRIVATE TOILET A101ND
PRIVATE TOILET A101NE
PRIVATE TOILET A101NF
PRIVATE TOILET A101NG
PRIVATE TOILET A101NH
PRIVATE TOILET A101NJ
PRIVATE TOILET A101NK
PRIVATE TOILET A101NL
PRIVATE TOILET A101NM
PRIVATE TOILET A101NN
PRIVATE TOILET A101NP
PRIVATE TOILET A101NQ
PRIVATE TOILET A101NR
PRIVATE TOILET A101NS
PRIVATE TOILET A101NT
PRIVATE TOILET A101NU
PRIVATE TOILET A101NV
PRIVATE TOILET A101NW
PRIVATE TOILET A101NX
PRIVATE TOILET A101NY
PRIVATE TOILET A101NZ
PRIVATE TOILET A101PA
PRIVATE TOILET A101PB
PRIVATE TOILET A101PC
PRIVATE TOILET A101PD
PRIVATE TOILET A101PE
PRIVATE TOILET A101PF
PRIVATE TOILET A101PG
PRIVATE TOILET A101PH
PRIVATE TOILET A101PJ
PRIVATE TOILET A101PK
PRIVATE TOILET A101PL
PRIVATE TOILET A101PM
PRIVATE TOILET A101PN
PRIVATE TOILET A101PP
PRIVATE TOILET A101PQ
PRIVATE TOILET A101PR
PRIVATE TOILET A101PS
PRIVATE TOILET A101PT
PRIVATE TOILET A101PU
PRIVATE TOILET A101PV
PRIVATE TOILET A101PW
PRIVATE TOILET A101PX
PRIVATE TOILET A101PY
PRIVATE TOILET A101PZ
PRIVATE TOILET A101QA
PRIVATE TOILET A101QB
PRIVATE TOILET A101QC
PRIVATE TOILET A101QD
PRIVATE TOILET A101QE
PRIVATE TOILET A101QF
PRIVATE TOILET A101QG
PRIVATE TOILET A101QH
PRIVATE TOILET A101QJ
PRIVATE TOILET A101QK
PRIVATE TOILET A101QL
PRIVATE TOILET A101QM
PRIVATE TOILET A101QN
PRIVATE TOILET A101QP
PRIVATE TOILET A101QQ
PRIVATE TOILET A101QR
PRIVATE TOILET A101QS
PRIVATE TOILET A101QT
PRIVATE TOILET A101QU
PRIVATE TOILET A101QV
PRIVATE TOILET A101QW
PRIVATE TOILET A101QX
PRIVATE TOILET A101QY
PRIVATE TOILET A101QZ
PRIVATE TOILET A101RA
PRIVATE TOILET A101RB
PRIVATE TOILET A101RC
PRIVATE TOILET A101RD
PRIVATE TOILET A101RE
PRIVATE TOILET A101RF
PRIVATE TOILET A101RG
PRIVATE TOILET A101RH
PRIVATE TOILET A101RJ
PRIVATE TOILET A101RK
PRIVATE TOILET A101RL
PRIVATE TOILET A101RM
PRIVATE TOILET A101RN
PRIVATE TOILET A101RP
PRIVATE TOILET A101RQ
PRIVATE TOILET A101RR
PRIVATE TOILET A101RS
PRIVATE TOILET A101RT
PRIVATE TOILET A101RU
PRIVATE TOILET A101RV
PRIVATE TOILET A101RW
PRIVATE TOILET A101RX
PRIVATE TOILET A101RY
PRIVATE TOILET A101RZ
PRIVATE TOILET A101SA
PRIVATE TOILET A101SB
PRIVATE TOILET A101SC
PRIVATE TOILET A101SD
PRIVATE TOILET A101SE
PRIVATE TOILET A101SF
PRIVATE TOILET A101SG
PRIVATE TOILET A101SH
PRIVATE TOILET A101SJ
PRIVATE TOILET A101SK
PRIVATE TOILET A101SL
PRIVATE TOILET A101SM
PRIVATE TOILET A101SN
PRIVATE TOILET A101SP
PRIVATE TOILET A101SQ
PRIVATE TOILET A101SR
PRIVATE TOILET A101SS
PRIVATE TOILET A101ST
PRIVATE TOILET A101SU
PRIVATE TOILET A101SV
PRIVATE TOILET A101SW
PRIVATE TOILET A101SX
PRIVATE TOILET A101SY
PRIVATE TOILET A101SZ
PRIVATE TOILET A101TA
PRIVATE TOILET A101TB
PRIVATE TOILET A101TC
PRIVATE TOILET A101TD
PRIVATE TOILET A101TE
PRIVATE TOILET A101TF
PRIVATE TOILET A101TG
PRIVATE TOILET A101TH
PRIVATE TOILET A101TJ
PRIVATE TOILET A101TK
PRIVATE TOILET A101TL
PRIVATE TOILET A101TM
PRIVATE TOILET A101TN
PRIVATE TOILET A101TP
PRIVATE TOILET A101TQ
PRIVATE TOILET A101TR
PRIVATE TOILET A101TS
PRIVATE TOILET A101TT
PRIVATE TOILET A101TU
PRIVATE TOILET A101TV
PRIVATE TOILET A101TW
PRIVATE TOILET A101TX
PRIVATE TOILET A101TY
PRIVATE TOILET A101TZ
PRIVATE TOILET A101UA
PRIVATE TOILET A101UB
PRIVATE TOILET A101UC
PRIVATE TOILET A101UD
PRIVATE TOILET A101UE
PRIVATE TOILET A101UF
PRIVATE TOILET A101UG
PRIVATE TOILET A101UH
PRIVATE TOILET A101UJ
PRIVATE TOILET A101UK
PRIVATE TOILET A101UL
PRIVATE TOILET A101UM
PRIVATE TOILET A101UN
PRIVATE TOILET A101UP
PRIVATE TOILET A101UQ
PRIVATE TOILET A101UR
PRIVATE TOILET A101US
PRIVATE TOILET A101UT
PRIVATE TOILET A101UU
PRIVATE TOILET A101UV
PRIVATE TOILET A101UW
PRIVATE TOILET A101UX
PRIVATE TOILET A101UY
PRIVATE TOILET A101UZ
PRIVATE TOILET A101VA
PRIVATE TOILET A101VB
PRIVATE TOILET A101VC
PRIVATE TOILET A101VD
PRIVATE TOILET A101VE
PRIVATE TOILET A101VF
PRIVATE TOILET A101VG
PRIVATE TOILET A101VH
PRIVATE TOILET A101VJ
PRIVATE TOILET A101VK
PRIVATE TOILET A101VL
PRIVATE TOILET A101VM
PRIVATE TOILET A101VN
PRIVATE TOILET A101VP
PRIVATE TOILET A101VQ
PRIVATE TOILET A101VR
PRIVATE TOILET A101VS
PRIVATE TOILET A101VT
PRIVATE TOILET A101VU
PRIVATE TOILET A101VV
PRIVATE TOILET A101VW
PRIVATE TOILET A101VX
PRIVATE TOILET A101VY
PRIVATE TOILET A101VZ
PRIVATE TOILET A101WA
PRIVATE TOILET A101WB
PRIVATE TOILET A101WC
PRIVATE TOILET A101WD
PRIVATE TOILET A101WE
PRIVATE TOILET A101WF
PRIVATE TOILET A101WG
PRIVATE TOILET A101WH
PRIVATE TOILET A101WJ
PRIVATE TOILET A101WK
PRIVATE TOILET A101WL
PRIVATE TOILET A101WM
PRIVATE TOILET A101WN
PRIVATE TOILET A101WP
PRIVATE TOILET A101WQ
PRIVATE TOILET A101WR
PRIVATE TOILET A101WS
PRIVATE TOILET A101WT
PRIVATE TOILET A101WU
PRIVATE TOILET A101WV
PRIVATE TOILET A101WW
PRIVATE TOILET A101WX
PRIVATE TOILET A101WY
PRIVATE TOILET A101WZ
PRIVATE TOILET A101XA
PRIVATE TOILET A101XB
PRIVATE TOILET A101XC
PRIVATE TOILET A101XD
PRIVATE TOILET A101XE
PRIVATE TOILET A101XF
PRIVATE TOILET A101XG
PRIVATE TOILET A101XH
PRIVATE TOILET A101XJ
PRIVATE TOILET A101XK
PRIVATE TOILET A101XL
PRIVATE TOILET A101XM
PRIVATE TOILET A101XN
PRIVATE TOILET A101XP
PRIVATE TOILET A101XQ
PRIVATE TOILET A101XR
PRIVATE TOILET A101XS
PRIVATE TOILET A101XT
PRIVATE TOILET A101XU
PRIVATE TOILET A101XV
PRIVATE TOILET A101XW
PRIVATE TOILET A101XX
PRIVATE TOILET A101XY
PRIVATE TOILET A101XZ
PRIVATE TOILET A101YA
PRIVATE TOILET A101YB
PRIVATE TOILET A101YC
PRIVATE TOILET A101YD
PRIVATE TOILET A101YE
PRIVATE TOILET A101YF
PRIVATE TOILET A101YG
PRIVATE TOILET A101YH
PRIVATE TOILET A101YJ
PRIVATE TOILET A101YK
PRIVATE TOILET A101YL
PRIVATE TOILET A101YM
PRIVATE TOILET A101YN
PRIVATE TOILET A101YP
PRIVATE TOILET A101YQ
PRIVATE TOILET A101YR
PRIVATE TOILET A101YS
PRIVATE TOILET A101YT
PRIVATE TOILET A101YU
PRIVATE TOILET A101YV
PRIVATE TOILET A101YW
PRIVATE TOILET A101YX
PRIVATE TOILET A101YY
PRIVATE TOILET A101YZ
PRIVATE TOILET A101ZA
PRIVATE TOILET A101ZB
PRIVATE TOILET A101ZC
PRIVATE TOILET A101ZD
PRIVATE TOILET A101ZE
PRIVATE TOILET A101ZF
PRIVATE TOILET A101ZG
PRIVATE TOILET A101ZH
PRIVATE TOILET A101ZJ
PRIVATE TOILET A101ZK
PRIVATE TOILET A101ZL
PRIVATE TOILET A101ZM
PRIVATE TOILET A101ZN
PRIVATE TOILET A101ZP
PRIVATE TOILET A101ZQ
PRIVATE TOILET A101ZR
PRIVATE TOILET A101ZS
PRIVATE TOILET A101ZT
PRIVATE TOILET A101ZU
PRIVATE TOILET A101ZV
PRIVATE TOILET A101ZW
PRIVATE TOILET A101ZX
PRIVATE TOILET A101ZY
PRIVATE TOILET A101ZZ
PRIVATE TOILET A101AAA
PRIVATE TOILET A101AAB
PRIVATE TOILET A101AAC
PRIVATE TOILET A101AAD
PRIVATE TOILET A101AAE
PRIVATE TOILET A101AAF
PRIVATE TOILET A101AAG
PRIVATE TOILET A101AAH
PRIVATE TOILET A101AAJ
PRIVATE TOILET A101AAK
PRIVATE TOILET A101AAL
PRIVATE TOILET A101AAM
PRIVATE TOILET A101AAN
PRIVATE TOILET A101AAP
PRIVATE TOILET A101AAQ
PRIVATE TOILET A101AAR
PRIVATE TOILET A101AAS
PRIVATE TOILET A101AAT
PRIVATE TOILET A101AAU
PRIVATE TOILET A101AAV
PRIVATE TOILET A101AAW
PRIVATE TOILET A101AAX
PRIVATE TOILET A101AAY
PRIVATE TOILET A101AAZ
PRIVATE TOILET A101ABA
PRIVATE TOILET A101ABB
PRIVATE TOILET A101ABC
PRIVATE TOILET A101ABD
PRIVATE TOILET A101ABE
PRIVATE TOILET A101ABF
PRIVATE TOILET A101ABG
PRIVATE TOILET A101ABH
PRIVATE TOILET A101ABJ
PRIVATE TOILET A101ABK
PRIVATE TOILET A101ABL
PRIVATE TOILET A101ABM
PRIVATE TOILET A101ABN
PRIVATE TOILET A101ABP
PRIVATE TOILET A101ABQ
PRIVATE TOILET A101ABR
PRIVATE TOILET A101ABS
PRIVATE TOILET A101ABT
PRIVATE TOILET A101ABU
PRIVATE TOILET A101ABV
PRIVATE TOILET A101ABW
PRIVATE TOILET A101ABX
PRIVATE TOILET A101ABY
PRIVATE TOILET A101ABZ
PRIVATE TOILET A101ACA
PRIVATE TOILET A101ACB
PRIVATE TOILET A101ACC
PRIVATE TOILET A101ACD
PRIVATE TOILET A101ACE
PRIVATE TOILET A101ACF
PRIVATE TOILET A101ACG
PRIVATE TOILET A101ACH
PRIVATE TOILET A101ACJ
PRIVATE TOILET A101ACK
PRIVATE TOILET A101ACL
PRIVATE TOILET A101ACM
PRIVATE TOILET A101ACN
PRIVATE TOILET A101ACP
PRIVATE TOILET A101ACQ
PRIVATE TOILET A101ACR
PRIVATE TOILET A101ACS
PRIVATE TOILET A101ACT
PRIVATE TOILET A101ACU
PRIVATE TOILET A101ACV
PRIVATE TOILET A101ACW
PRIVATE TOILET A101ACX
PRIVATE TOILET A101ACY
PRIVATE TOILET A101ACZ
PRIVATE TOILET A101ADA
PRIVATE TOILET A101ADB
PRIVATE TOILET A101ADC
PRIVATE TOILET A101ADD
PRIVATE TOILET A101ADE
PRIVATE TOILET A101ADF
PRIVATE TOILET A101ADG
PRIVATE TOILET A101ADH
PRIVATE TOILET A101ADJ
PRIVATE TOILET A101ADK
PRIVATE TOILET A101ADL
PRIVATE TOILET A101ADM
PRIVATE TOILET A101ADN
PRIVATE TOILET A101ADP
PRIVATE TOILET A101ADQ
PRIVATE TOILET A101ADR
PRIVATE TOILET A101ADS
PRIVATE TOILET A101ADT
PRIVATE TOILET A101ADU
PRIVATE TOILET A101ADV
PRIVATE TOILET A101ADW
PRIVATE TOILET A101ADX
PRIVATE TOILET A101ADY
PRIVATE TOILET A101ADZ
PRIVATE TOILET A101AEA
PRIVATE TOILET A101AEB
PRIVATE TOILET A101AEC
PRIVATE TOILET A101AED
PRIVATE TOILET A101AEE
PRIVATE TOILET A101AEF
PRIVATE TOILET A101AEG
PRIVATE TOILET A101AEH
PRIVATE TOILET A101AEJ
PRIVATE TOILET A101AEK
PRIVATE TOILET A101AEL
PRIVATE TOILET A101AEM
PRIVATE TOILET A101AEN
PRIVATE TOILET A101AEP
PRIVATE TOILET A101AEQ
PRIVATE TOILET A101AER
PRIVATE TOILET A101AES
PRIVATE TOILET A101AET
PRIVATE TOILET A101AEU
PRIVATE TOILET A101AEV
PRIVATE TOILET A101AEW
PRIVATE TOILET A101AEX
PRIVATE TOILET A101AEY
PRIVATE TOILET A101AEZ
PRIVATE TOILET A101AFA
PRIVATE TOILET A101AFB
PRIVATE TOILET A101AFC
PRIVATE TOILET A101AFD
PRIVATE TOILET A101AFE
PRIVATE TOILET A101AFF
PRIVATE TOILET A101AFG
PRIVATE TOILET A101AFH
PRIVATE TOILET A101AFJ
PRIVATE TOILET A101AFK
PRIVATE TOILET A101AFL
PRIVATE TOILET A101AFM
PRIVATE TOILET A101AFN
PRIVATE TOILET A101AFP
PRIVATE TOILET A101AFQ
PRIVATE TOILET A101AFR
PRIVATE TOILET A101AFS
PRIVATE TOILET A101AFT
PRIVATE TOILET A101AFU
PRIVATE TOILET A101AFV
PRIVATE TOILET A101AFW
PRIVATE TOILET A101AFX
PRIVATE TOILET A101AFY
PRIVATE TOILET A101AFZ
PRIVATE TOILET A101AGA
PRIVATE TOILET A101AGB
PRIVATE TOILET A101AGC
PRIVATE TOILET A101AGD
PRIVATE TOILET A101AGE
PRIVATE TOILET A101AGF
PRIVATE TOILET A101AGG
PRIVATE TOILET A101AGH
PRIVATE TOILET A101AGJ
PRIVATE TOILET A101AGK
PRIVATE TOILET A101AGL
PRIVATE TOILET A101AGM
PRIVATE TOILET A101AGN
PRIVATE TOILET A101AGP
PRIVATE TOILET A101AGQ
PRIVATE TOILET A101AGR
PRIVATE TOILET A101AGS
PRIVATE TOILET A101AGT
PRIVATE TOILET A101AGU
PRIVATE TOILET A101AGV
PRIVATE TOILET A101AGW
PRIVATE TOILET A101AGX
PRIVATE TOILET A101AGY
PRIVATE TOILET A101AGZ
PRIVATE TOILET A101AHA
PRIVATE TOILET A101AHB
PRIVATE TOILET A101AHC
PRIVATE TOILET A101AHD
PRIVATE TOILET A101AHE
PRIVATE TOILET A101AHF
PRIVATE TOILET A101AHG
PRIVATE TOILET A101AHH
PRIVATE TOILET A101AHJ
PRIVATE TOILET A101AHK
PRIVATE TOILET A101AHL
PRIVATE TOILET A101AHM
PRIVATE TOILET A101AHN
PRIVATE TOILET A101AHP
PRIVATE TOILET A101AHQ
PRIVATE TOILET A101AHR
PRIVATE TOILET A101AHS
PRIVATE TOILET A101AHT
PRIVATE TOILET A101AHU
PRIVATE TOILET A101AHV
PRIVATE TOILET A101AHW
PRIVATE TOILET A101AHX
PRIVATE TOILET A101AHY
PRIVATE TOILET A101AHZ
PRIVATE TOILET A101AJA
PRIVATE TOILET A101AJB
PRIVATE TOILET A101AJC
PRIVATE TOILET A101AJD
PRIVATE TOILET A101AJE
PRIVATE TOILET A101AJF
PRIVATE TOILET A101AJG
PRIVATE TOILET A101AJH
PRIVATE TOILET A101AJJ
PRIVATE TOILET A101AJK
PRIVATE TOILET A101AJL
PRIVATE TOILET A101AJM
PRIVATE TOILET A101AJN
PRIVATE TOILET A101AJP
PRIVATE TOILET A101AJQ
PRIVATE TOILET A101AJR
PRIVATE TOILET A101AJS
PRIVATE TOILET A101AJT
PRIVATE TOILET A101AJU
PRIVATE TOILET A101AJV
PRIVATE TOILET A101AJW
PRIVATE TOILET A101AJX
PRIVATE TOILET A101AJY
PRIVATE TOILET A101AJZ
PRIVATE TOILET A101AKA
PRIVATE TOILET A101AKB
PRIVATE TOILET A101AKC
PRIVATE TOILET A101AKD
PRIVATE TOILET A101AKE
PRIVATE TOILET A101AKF
PRIVATE TOILET A101AKG
PRIVATE TOILET A101AKH
PRIVATE TOILET A101AKJ
PRIVATE TOILET A101AKK
PRIVATE TOILET A101AKL
PRIVATE TOILET A101AKM
PRIVATE TOILET A101AKN
PRIVATE TOILET A101AKP
PRIVATE TOILET A101AKQ
PRIVATE TOILET A101AKR
PRIVATE TOILET A101AKS
PRIVATE TOILET A101AKT
PRIVATE TOILET A101AKU
PRIVATE TOILET A101AKV
PRIVATE TOILET A101AKW
PRIVATE TOILET A101AKX
PRIVATE TOILET A101AKY
PRIVATE TOILET A101AKZ
PRIVATE TOILET A101ALA
PRIVATE TOILET A101ALB
PRIVATE TOILET A101ALC
PRIVATE TOILET A101ALD
PRIVATE TOILET A101ALE
PRIVATE TOILET A101ALF
PRIVATE TOILET A101ALG
PRIVATE TOILET A101ALH
PRIVATE TOILET A101ALJ
PRIVATE TOILET A101ALK
PRIVATE TOILET A101ALL
PRIVATE TOILET A101ALM
PRIVATE TOILET A101ALN
PRIVATE TOILET A101ALP
PRIVATE TOILET A101ALQ
PRIVATE TOILET A101ALR
PRIVATE TOILET A101ALS
PRIVATE TOILET A101ALT
PRIVATE TOILET A101ALU
PRIVATE TOILET A101ALV
PRIVATE TOILET A101ALW
PRIVATE TOILET A101ALX
PRIVATE TOILET A101ALY
PRIVATE TOILET A101ALZ
PRIVATE TOILET A101AMA
PRIVATE TOILET A101AMB
PRIVATE TOILET A101AMC
PRIVATE TOILET A101AMD
PRIVATE TOILET A101AME
PRIVATE TOILET A101AMF
PRIVATE TOILET A101AMG
PRIVATE TOILET A101AMH
PRIVATE TOILET A101AMJ
PRIVATE TOILET A101AMK
PRIVATE TOILET A101AML
PRIVATE TOILET A101AMM
PRIVATE TOILET A101AMN
PRIVATE TOILET A101AMP
PRIVATE TOILET A101AMQ
PRIVATE TOILET A101AMR
PRIVATE TOILET A101AMS
PRIVATE TOILET A101AMT
PRIVATE TOILET A101AMU
PRIVATE TOILET A101AMV
PRIVATE TOILET A101AMW
PRIVATE TOILET A101AMX
PRIVATE TOILET A101AMY
PRIVATE TOILET A101AMZ
PRIVATE TOILET A101ANA
PRIVATE TOILET A101ANB
PRIVATE TOILET A101ANC
PRIVATE TOILET A101AND
PRIVATE TOILET A101ANE
PRIVATE TOILET A101ANF
PRIVATE TOILET A101ANG
PRIVATE TOILET A101ANH
PRIVATE TOILET A101ANJ
PRIVATE TOILET A101ANK
PRIVATE TOILET A101ANL
PRIVATE TOILET A101ANM
PRIVATE TOILET A101ANN
PRIVATE TOILET A101ANP
PRIVATE TOILET A101ANQ
PRIVATE TOILET A101ANR
PRIVATE TOILET A101ANS
PRIVATE TOILET A101ANT
PRIVATE TOILET A101ANU
PRIVATE TOILET A101ANV
PRIVATE TOILET A101ANW
PRIVATE TOILET A101ANX
PRIVATE TOILET A101ANY
PRIVATE TOILET A101ANZ
PRIVATE TOILET A101APA
PRIVATE TOILET A101APB
PRIVATE TOILET A101APC
PRIVATE TOILET A101APD
PRIVATE TOILET A101APE
PRIVATE TOILET A101APF
PRIVATE TOILET A101APG
PRIVATE TOILET A101APH
PRIVATE TOILET A101APJ
PRIVATE TOILET A101APK
PRIVATE TOILET A101APL
PRIVATE TOILET A101APM
PRIVATE TOILET A101APN
PRIVATE TOILET A101APP
PRIVATE TOILET A101APQ
PRIVATE TOILET A101APR
PRIVATE TOILET A101APS
PRIVATE TOILET A101APT
PRIVATE TOILET A101APU
PRIVATE TOILET A101APV
PRIVATE TOILET A101APW
PRIVATE TOILET A101APX
PRIVATE TOILET A101APY
PRIVATE TOILET A101APZ
PRIVATE TOILET A101AQA
PRIVATE TOILET A101AQB
PRIVATE TOILET A101AQC
PRIVATE TOILET A101AQD
PRIVATE TOILET A101AQE
PRIVATE TOILET A101AQF
PRIVATE TOILET A101AQG
PRIVATE TOILET A101AQH
PRIVATE TOILET A101AQJ
PRIVATE TOILET A101AQK
PRIVATE TOILET A101AQL
PRIVATE TOILET A101AQM
PRIVATE TOILET A101AQN
PRIVATE TOILET A101AQP
PRIVATE TOILET A101AQQ
PRIVATE TOILET A101AQR
PRIVATE TOILET A101AQS
PRIVATE TOILET A101AQT
PRIVATE TOILET A101AQU
PRIVATE TOILET A101AQV
PRIVATE TOILET A101AQW
PRIVATE TOILET A101AQX
PRIVATE TOILET A101AQY
PRIVATE TOILET A101AQZ
PRIVATE TOILET A101ARA
PRIVATE TOILET A101ARB
PRIVATE TOILET A101ARC
PRIVATE TOILET A101ARD
PRIVATE TOILET A101ARE
PRIVATE TOILET A101ARF
PRIVATE TOILET A101ARG
PRIVATE TOILET A101ARH
PRIVATE TOILET A101ARJ
PRIVATE TOILET A101ARK
PRIVATE TOILET A101ARL
PRIVATE TOILET A101ARM
PRIVATE TOILET A101ARN
PRIVATE TOILET A101ARP
PRIVATE TOILET A101ARQ
PRIVATE TOILET A101ARR
PRIVATE TOILET A101ARS
PRIVATE TOILET A101ART
PRIVATE TOILET A101ARU
PRIVATE TOILET A101ARV
PRIVATE TOILET A101ARW
PRIVATE TOILET A101ARX
PRIVATE TOILET A101ARY
PRIVATE TOILET A101ARZ
PRIVATE TOILET A101ASA
PRIVATE TOILET A101ASB
PRIVATE TOILET A101ASC
PRIVATE TOILET A101ASD
PRIVATE TOILET A101ASE
PRIVATE TOILET A101ASF
PRIVATE TOILET A101ASG
PRIVATE TOILET A101ASH
PRIVATE TOILET A101ASJ
PRIVATE TOILET A101ASK
PRIVATE TOILET A101ASL
PRIVATE TOILET A101ASM
PRIVATE TOILET A101ASN
PRIVATE TOILET A101ASP
PRIVATE TOILET A101ASQ
PRIVATE TOILET A101ASR
PRIVATE TOILET A101ASS
PRIVATE TOILET A101AST
PRIVATE TOILET A101ASU
PRIVATE TOILET A101ASV
PRIVATE TOILET A101ASW
PRIVATE TOILET A101ASX
PRIVATE TOILET A101ASY
PRIVATE TOILET A101ASZ
PRIVATE TOILET A101ATA
PRIVATE TOILET A101ATB
PRIVATE TOILET A101ATC
PRIVATE TOILET A101ATD
PRIVATE TOILET A101ATE
PRIVATE TOILET A101ATF
PRIVATE TOILET A101ATG
PRIVATE TOILET A101ATH
PRIVATE TOILET A101ATJ
PRIVATE TOILET A

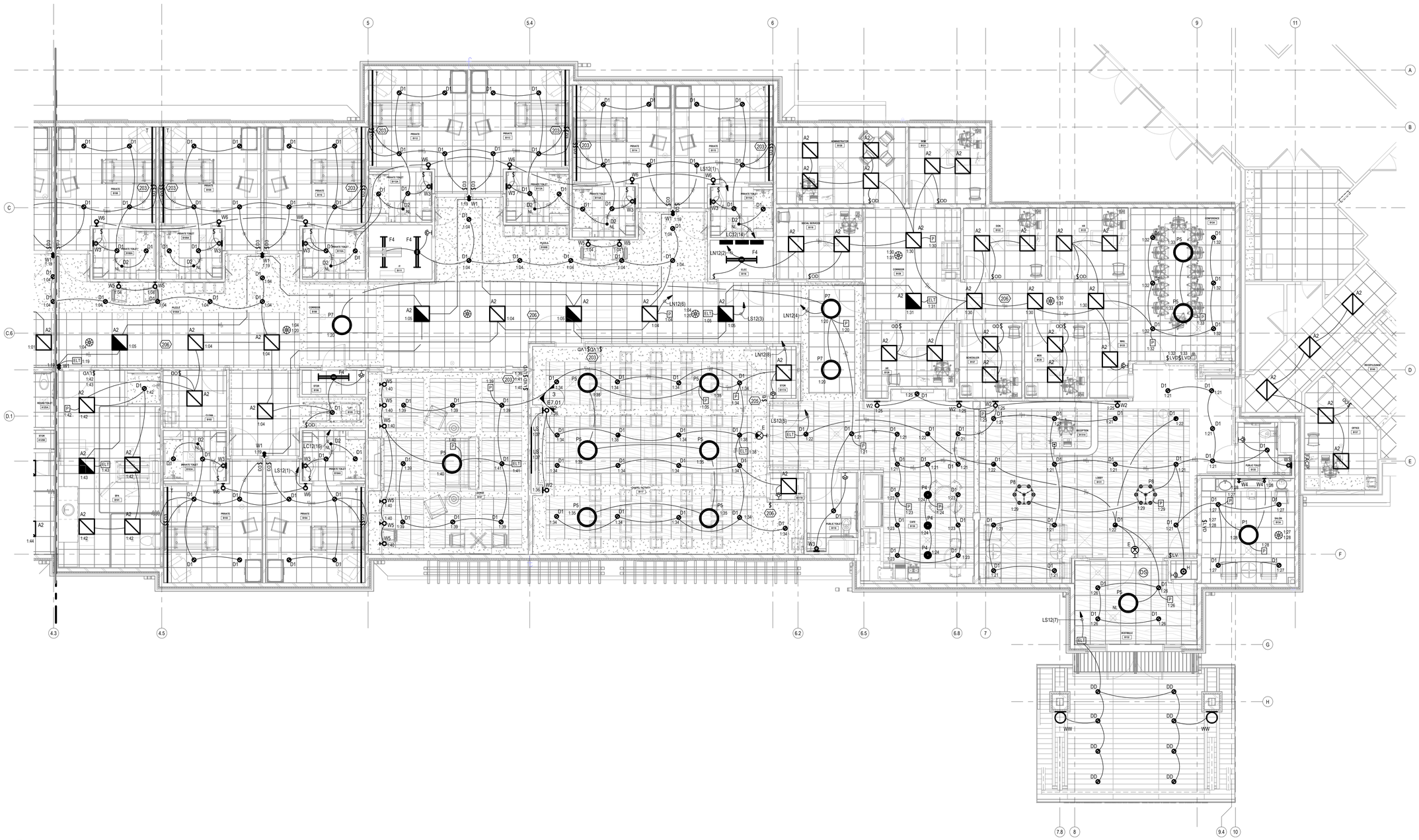
MN

GENERAL NOTES

A. REFER TO ARCHITECTURAL ELEVATIONS FOR LIGHT FIXTURE MOUNTING FOR WALL SCONCES AND DECORATIVE PENDANTS.

SHEET NOTES

203	GANG SWITCHES IN A SINGLE MULTI-GANG BOX AS REQUIRED FOR NUMBER OF SWITCHES.
205	4-BUTTON SCENE SWITCH. SEE DETAIL ON E7.02.
206	SWITCHBANK TO CONTROL CHAPEL LIGHTS. SEE DETAIL ON E7.02.



1 FIRST FLOOR PLAN - AREA B - LIGHTING
3/16" = 1'-0"

E

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/250x.24 Pelican Valley Senior Living_Base250.rvt
1/28/2025 3:55:21 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

KEY PLAN
FIRST FLOOR

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

North

FIRST FLOOR PLAN - AREA B - LIGHTING

Scale: **As indicated**

E2.00b

MN

E

SHEET NOTES

207	INSTALL NEW LIGHT FIXTURE. CONNECT TO EXISTING LIGHTING CIRCUIT.

1 **UPPER FLOOR TEMPORARY LIVING PLAN - LIGHTING**
3/16" = 1'-0"

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/2024-24 Pelican Valley Senior Living_Rev2025.rvt
1/28/2025 3:05:05 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

Pelican Valley Senior Living

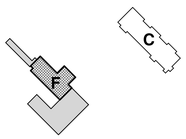
Wold

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



KEY PLAN
SECOND FLOOR

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions		
Description	Date	Num

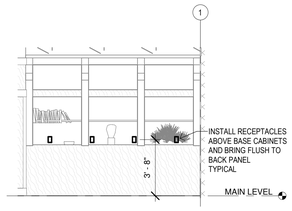
Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

North

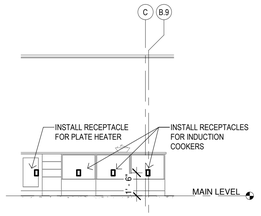
UPPER FLOOR TEMPORARY LIVING PLAN - LIGHTING

Scale: **3/16" = 1'-0"**

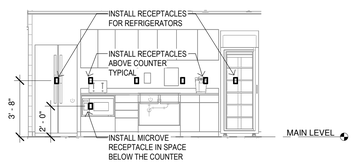
E2.01f



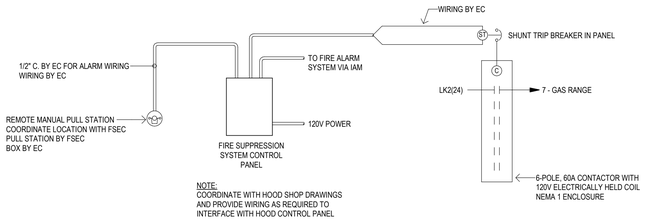
2 DINING WALL ELEVATION
1/4" = 1'-0"



3 SERVING COUNTER
1/4" = 1'-0"



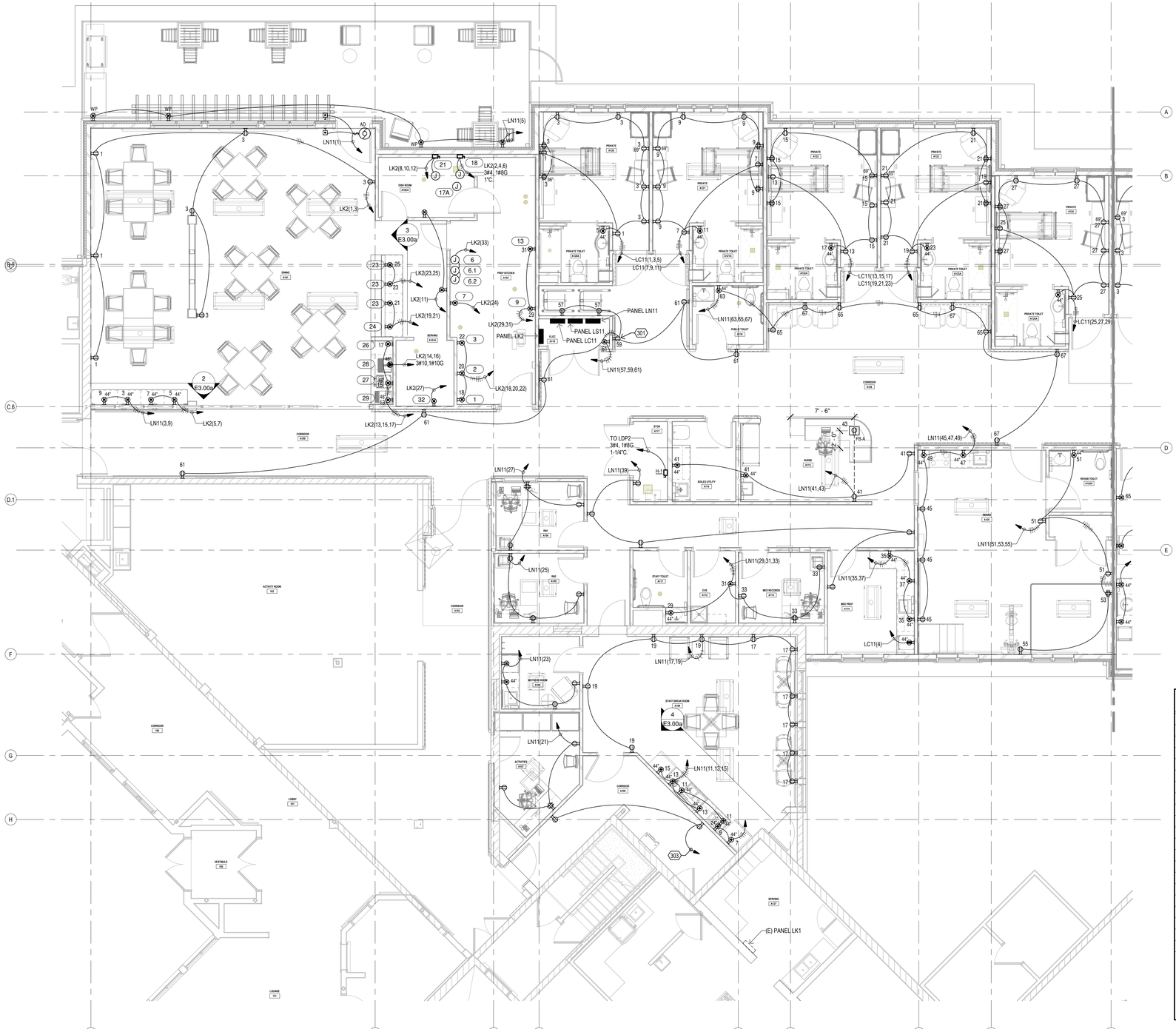
4 STAFF BREAK RM KITCHENETTE
1/4" = 1'-0"



5 ANSUL SYSTEM WIRING DETAIL
NOT TO SCALE

SHEET NOTES

301	PROVIDE RECEPTACLE AT 6" BELOW CEILING FOR NURSE CALL SYSTEM REPEATER. COORDINATE FINAL LOCATION WITH EQUIPMENT SUPPLIER.
303	TO EXISTING SPARE 20A/1P CIRCUIT BREAKER IN PANEL LK1.



1 FIRST FLOOR PLAN - AREA A - POWER
3/16" = 1'-0"

FOOD SERVICE EQUIPMENT SCHEDULE

ID	DESCRIPTION	VOLT/PH	AMPS	WATTS	CONNECTION	NOTES
1	REACH-IN FREEZER	120/1	6.3		5-15R	1
2	REACH-IN REFRIGERATOR	120/1	3.2		5-15R	1
3	MOBILE WARMING CABINETS	120/1	10.0		5-15R	1
6	EXHAUST HOOD	120/1	.		SWITCH	1
6.1	FIRE SUPRESSION SYSTEM	120/1	.		SWITCH	1
6.2	EXHAUST SYSTEM CONTROL PANEL	120/1	.		SWITCH	1
6.3	EXHAUST FAN	VFY	.		VFY	1
6.4	MAKE-UP AIR UNIT	VFY	.		VFY	1
7	GAS RANGE CONTROLS	VFY	.		VFY	1
9	REFRIGERATED PREP TABLE	120/1	2.3		5-15R	1
13	MICROWAVE OVEN	120/1	13.0		5-15R	1
17A	CONDENSATE FAN	VFY	.		VFY	1
18	DISHWASHER	208/3	52.5		D26F	1
21	DISPOSAL	208/3	6.6		D23F	1
23	DROP-IN INDUCTION WARMER	120/1	3.2		5-15R	1
24	DROP-IN PLATE DISPENSER	120/1	3.8		5-15R	1
27	COFFEE BREWER	208/1	12.0		VFY	2
28	JUICE MACHINE	120/1	.		VFY	2
29	ICE & WATER DISPENSER	120/1	8.5		5-15R	
32	WORKTOP REFRIGERATOR	120/1	2.3		5-15R	1

NOTES:
1. ALL EQUIPMENT SHALL BE UL LISTED.
2. OWNER FURNISHED EQUIPMENT. FIELD VERIFY VOLTAGE, PHASE, AND AMPS WITH EQUIPMENT NAMEPLATE PRIOR TO PULLING WIRE. ENSURE WIRE AND CIRCUIT BREAKER ARE PROPERLY RATED. VERIFY REQUIRED RECEPTACLE WITH EQUIPMENT PLUG.

GENERAL NOTES:
A. COORDINATE INSTALL HEIGHTS WITH FOOD SERVICE DRAWINGS AND EQUIPMENT INSTALLERS.

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

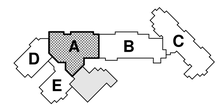
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com

JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



KEY PLAN
FIRST FLOOR

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

North

FIRST FLOOR PLAN - AREA A - POWER

Scale: **As indicated**

E3.00a

MN

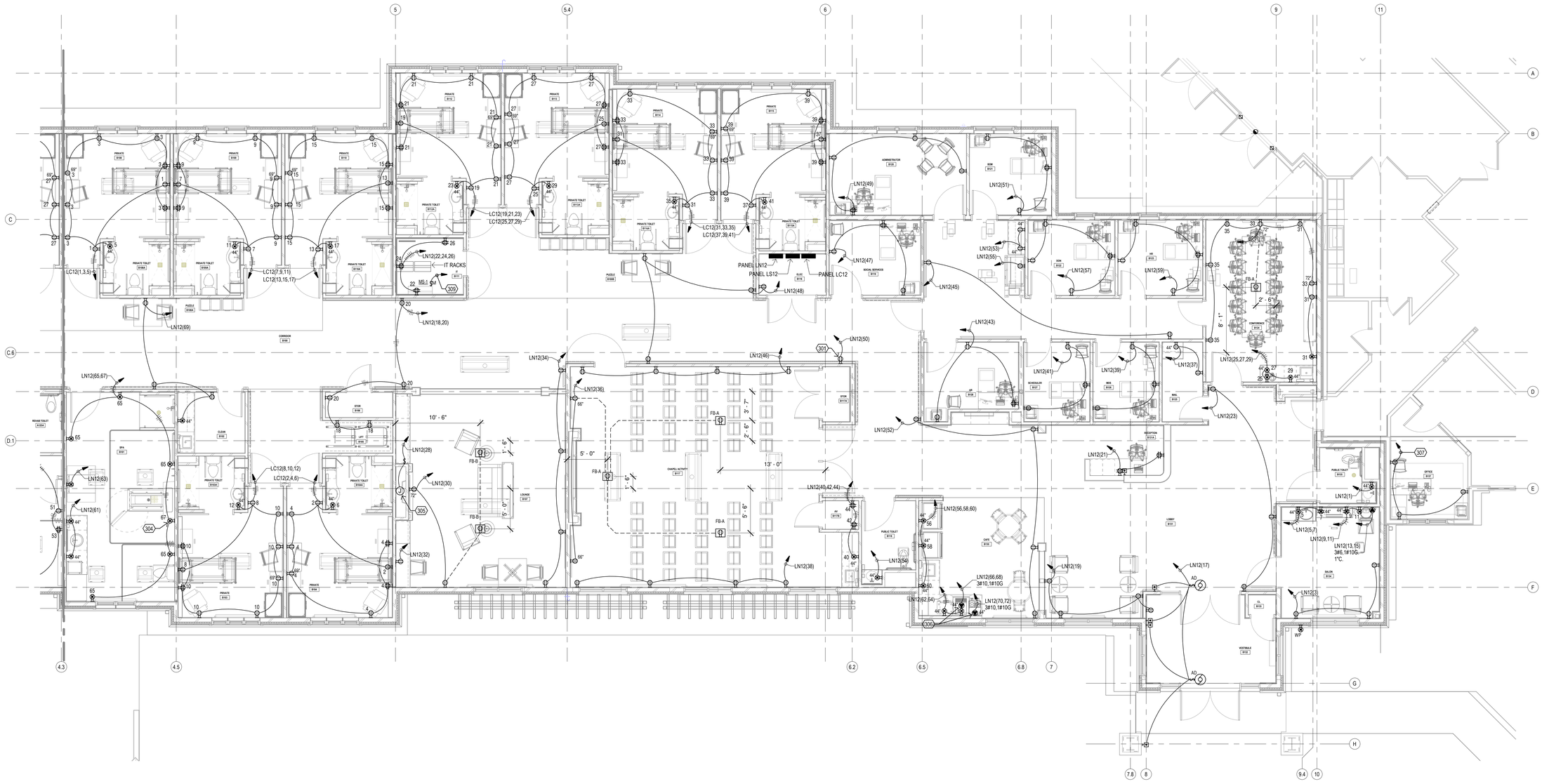
E

F

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/E3.00a FP Power Valley Senior Living_24vr2024.rvt
1/28/2025 3:55:35 PM

MN

E



1 **FIRST FLOOR PLAN - AREA B - POWER**
3/16" = 1'-0"

SHEET NOTES	
301	PROVIDE RECEPTACLE AT 6" BELOW CEILING FOR NURSE CALL SYSTEM REPEATER. COORDINATE FINAL LOCATION WITH EQUIPMENT SUPPLIER.
304	PROVIDE RECEPTACLE FOR SPA. COORDINATE ROUGH-IN LOCATION WITH SPA INSTALLATION INSTRUCTIONS.
305	PROVIDE 120V CIRCUIT FOR FIREPLACE. COORDINATE WITH FIREPLACE EQUIPMENT INSTALLATION INSTRUCTIONS.
306	COORDINATE REQUIRED RECEPTACLE WITH EQUIPMENT PLUG.
307	CONNECT TO EXISTING RECEPTACLE CIRCUIT SERVING THIS AREA.
309	INDOOR UNIT RECEIVES POWER FROM OUTDOOR UNIT. SEE DETAIL ON E6.21.

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com

JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

KEY PLAN
FIRST FLOOR

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

North

FIRST FLOOR PLAN - AREA B - POWER

Scale: **3/16" = 1'-0"**

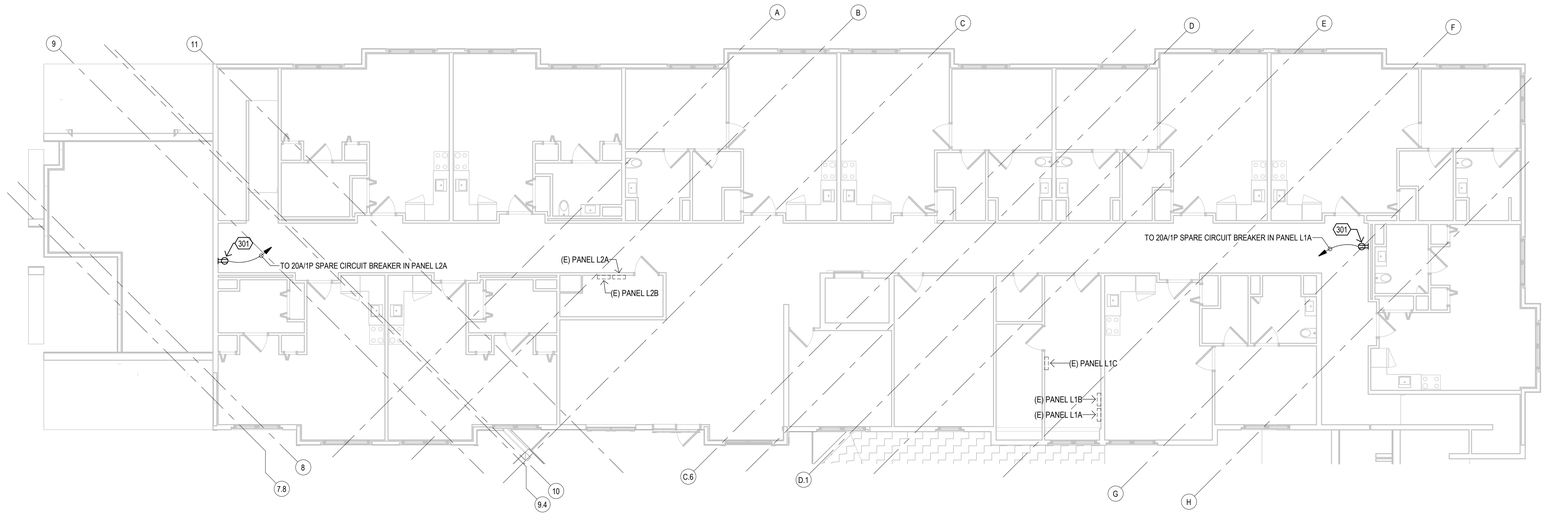
E3.00b

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/246039-24 Pelican Valley Senior Living_Base2025.rvt
1/28/2025 3:55:28 PM

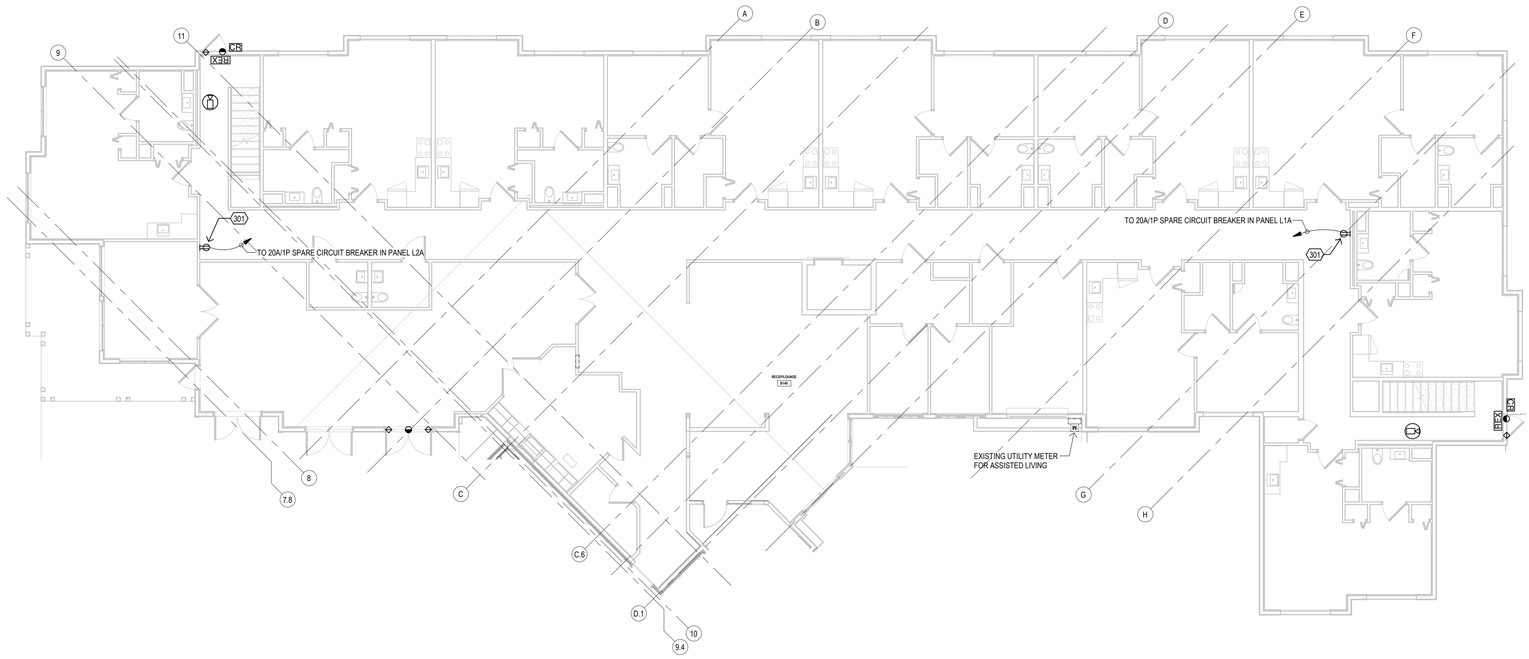
MN

E

SHEET NOTES	
301	PROVIDE RECEPTACLE AT 6" BELOW CEILING FOR NURSE CALL SYSTEM REPEATER. COORDINATE FINAL LOCATION WITH EQUIPMENT SUPPLIER.



2 UPPER FLOOR INDEPENDANT LIVING PLAN - POWER
1/8" = 1'-0"



1 FIRST FLOOR PLAN - AREA C - POWER
1/8" = 1'-0"

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

Pelican Valley Senior Living

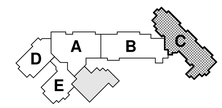
WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com

JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



KEY PLAN
FIRST FLOOR

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

North

FIRST & SECOND FLOOR PLAN - AREA C - POWER

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

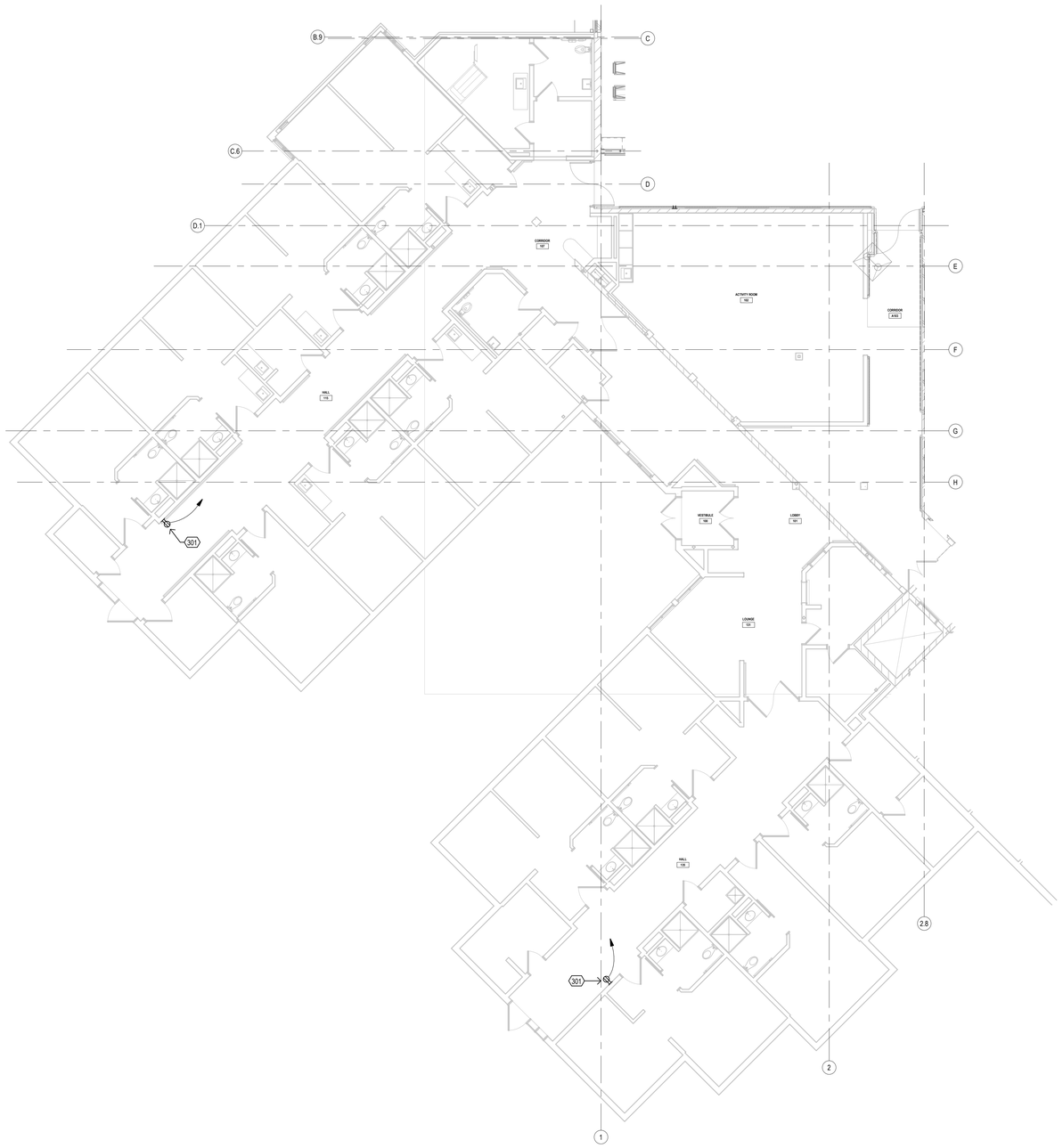
E3.00c

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/E3.00 1st Floor Valley Senior Living_jbe25.rvt
1/28/2025 3:55:34 PM

MN

E

SHEET NOTES	
301	PROVIDE RECEPTACLE AT 6" BELOW CEILING FOR NURSE CALL SYSTEM REPEATER. COORDINATE FINAL LOCATION WITH EQUIPMENT SUPPLIER.



1 FIRST FLOOR PLAN - AREA D - POWER
1/8" = 1'-0"

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/2024-24 Pelican Valley Senior Living_Rev25.rvt
1/28/2025 3:05:36 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

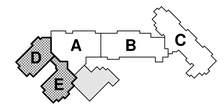
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



KEY PLAN
FIRST FLOOR

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

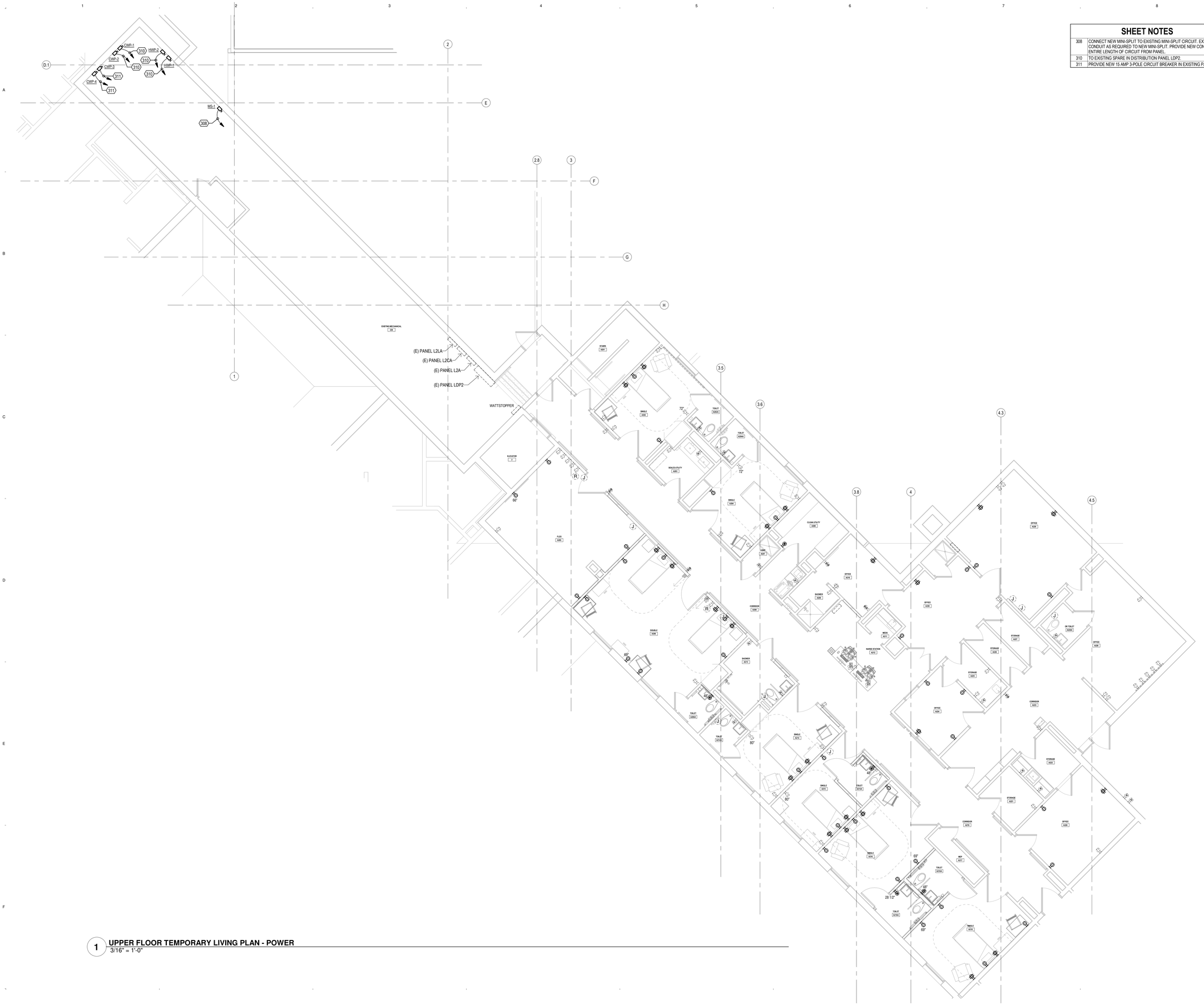
North

FIRST FLOOR PLAN - AREA D AND E - POWER

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

E3.00d

MN



SHEET NOTES

308	CONNECT NEW MINI-SPLIT TO EXISTING MINI-SPLIT CIRCUIT. EXTEND CONDUIT AS REQUIRED TO NEW MINI-SPLIT. PROVIDE NEW CONDUCTORS ENTIRE LENGTH OF CIRCUIT FROM PANEL.
310	TO EXISTING SPARE IN DISTRIBUTION PANEL LDP2.
311	PROVIDE NEW 15 AMP 3-POLE CIRCUIT BREAKER IN EXISTING PANEL L2A.

E

1 **UPPER FLOOR TEMPORARY LIVING PLAN - POWER**
3/16" = 1'-0"

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/E3.01f_UP Power Valley Senior Living_Rev2025.rvt
1/28/2025 3:05:37 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

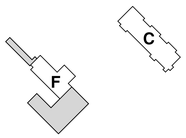
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



KEY PLAN
SECOND FLOOR

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date: **Issue Date**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

North

UPPER FLOOR TEMPORARY LIVING PLAN - POWER

Scale: **3/16" = 1'-0"**

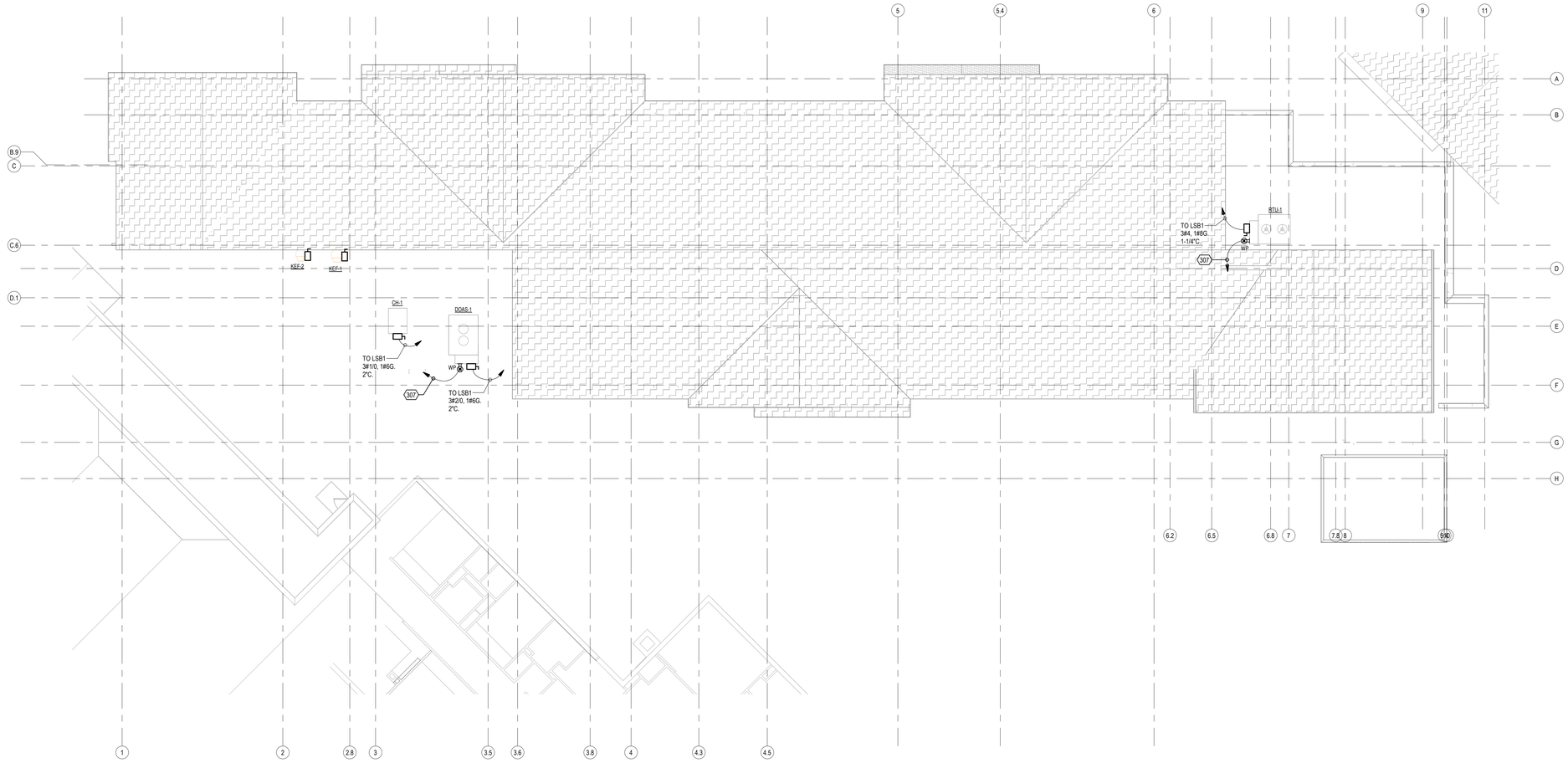
E3.01f

MN

E

SHEET NOTES

307	CONNECT TO EXISTING RECEPTACLE CIRCUIT SERVING THIS AREA.



1 **ROOF PLAN - AREA A - POWER**
3/32" = 1'-0"

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com

JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

Pelican Valley Senior Living

KEY PLAN
FIRST FLOOR

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

North

ROOF PLAN - AREAS A AND B - POWER

Scale: **3/32" = 1'-0"**

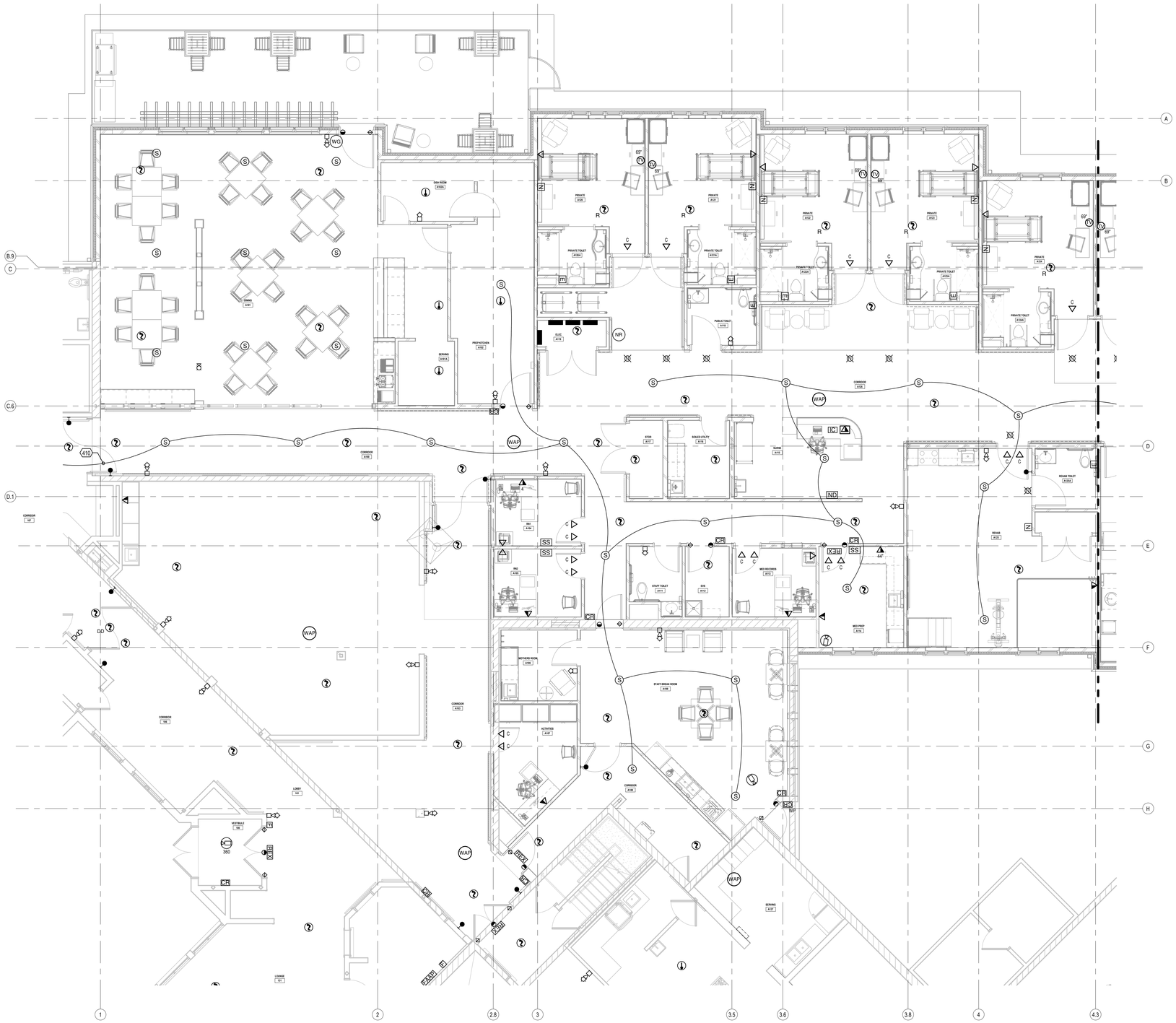
E3.03

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/Elec/24-24 Pelican Valley Senior Living_Elec2024.rvt
1/28/2025 3:55:38 PM

MN

SHEET NOTES

410	TIE TO EXISTING SPEAKER IN EXISTING AREA



1 FIRST FLOOR PLAN - AREA A - SYSTEMS
3/16" = 1'-0"

E

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/JBED-24 Pelican Valley Senior Living_Dept2024.rvt
1/28/2025 3:06:41 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

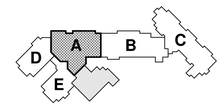
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
ⓒ 2024 by JB Electrical Design, PC



KEY PLAN
FIRST FLOOR

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

North

FIRST FLOOR PLAN - AREA A - SYSTEMS

Scale: **3/16" = 1'-0"**

E4.00a

MN

E

SHEET NOTES	
401	PROVIDE WANDER GUARD AT THIS DOOR. WANDER GUARD TO BE INTERFACED WITH NURSE CALL SYSTEM TO NOTIFY STAFF WHEN RESIDENT HAS BEEN DETECTED.
402	INSTALL SECURITY CAMERA ON UNDERSIDE OF SOFFIT.
403	PROVIDE DOOR RELEASE BUTTON. PROVIDE WIRING AS REQUIRED TO DOOR CONTROLLER.
404	AIPHONE INTERCOM WITH CAMERA.
405	AIPHONE RECEIVER STATION AT RECEPTION DESK.
406	PROVIDE (2) 1-1/4" C.'S FROM TV BOX ON WALL TO THE FLOOR BOX FOR LOW VOLTAGE / AV CABLING.
407	1-1/4" C. AND 1" C. FROM EACH FLOOR BOX TO AV CLOSET. DATA CABLING SHALL GO TO AV CLOSET.
408	SEE DRAWING E9.01 FOR CHAPEL A/V SYSTEM DETAILS.
409	IN-CEILING SUB-BASS SPEAKER. SEE DETAILS ON E9.01.
411	PROVIDE PLYWOOD BACKBOARD ON 3 WALLS AS SHOWN.
412	PROVIDE CABLE RUNWAY AS SHOWN.
413	PROVIDE COPPER GROUND BAR.

1 **FIRST FLOOR PLAN - AREA B - SYSTEMS**
3/16" = 1'-0"

Pelican Valley Senior Living Renovation
211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24

ⓒ 2024 by JB Electrical Design, PC

KEY PLAN
FIRST FLOOR

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

North

FIRST FLOOR PLAN - AREA B - SYSTEMS

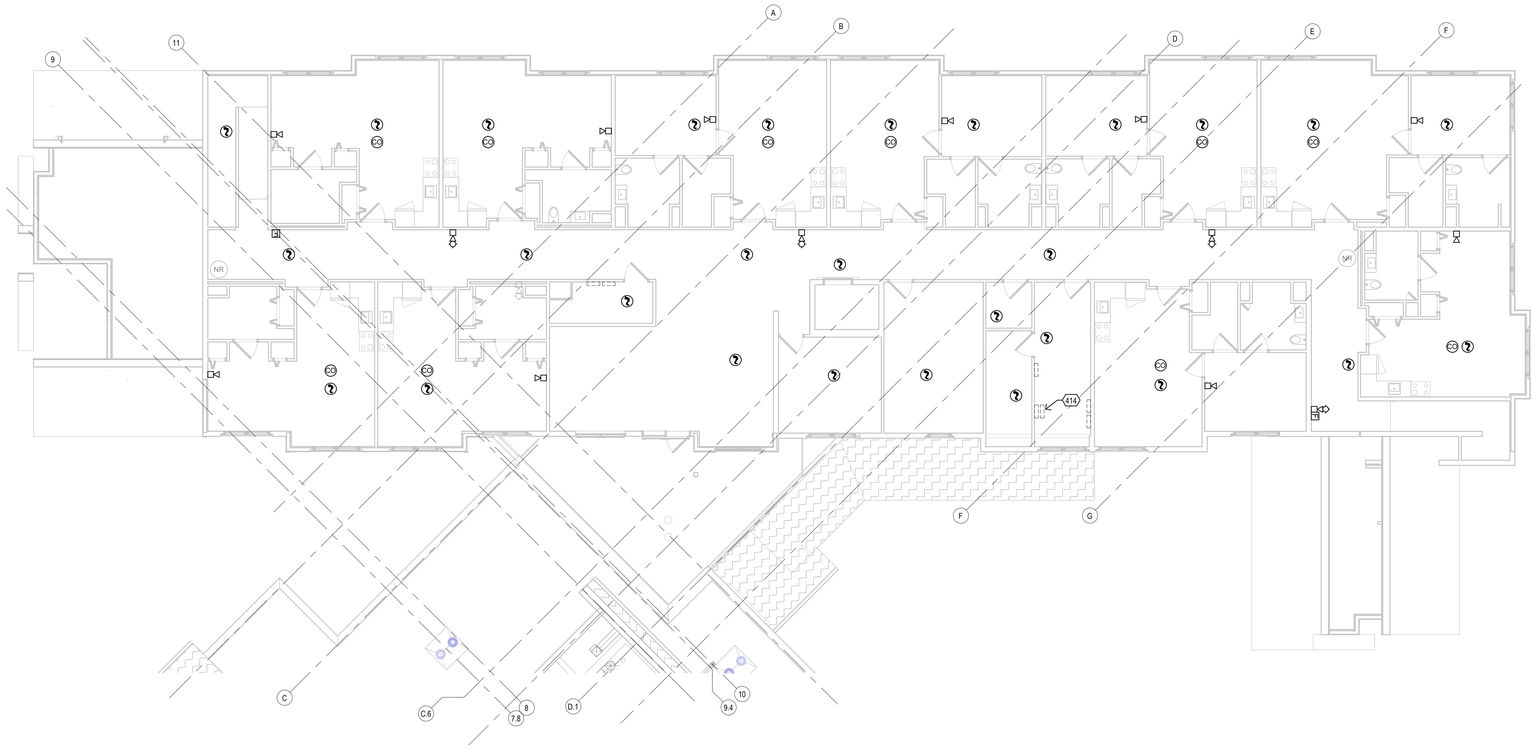
Scale: **3/16" = 1'-0"**

E4.00b

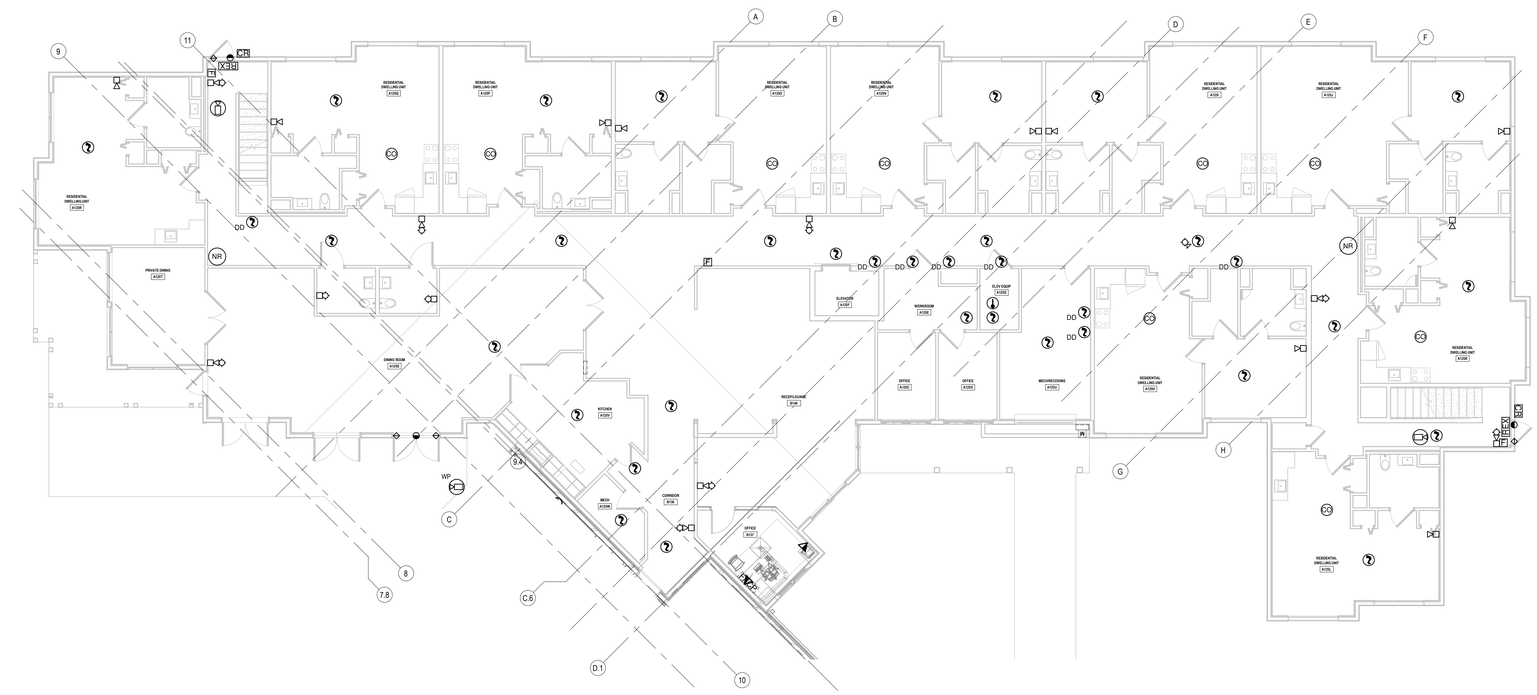
Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/BIM 360 Pelican Valley Senior Living_Dept2.rvt
1/28/2025 3:06:46 PM

MN

E

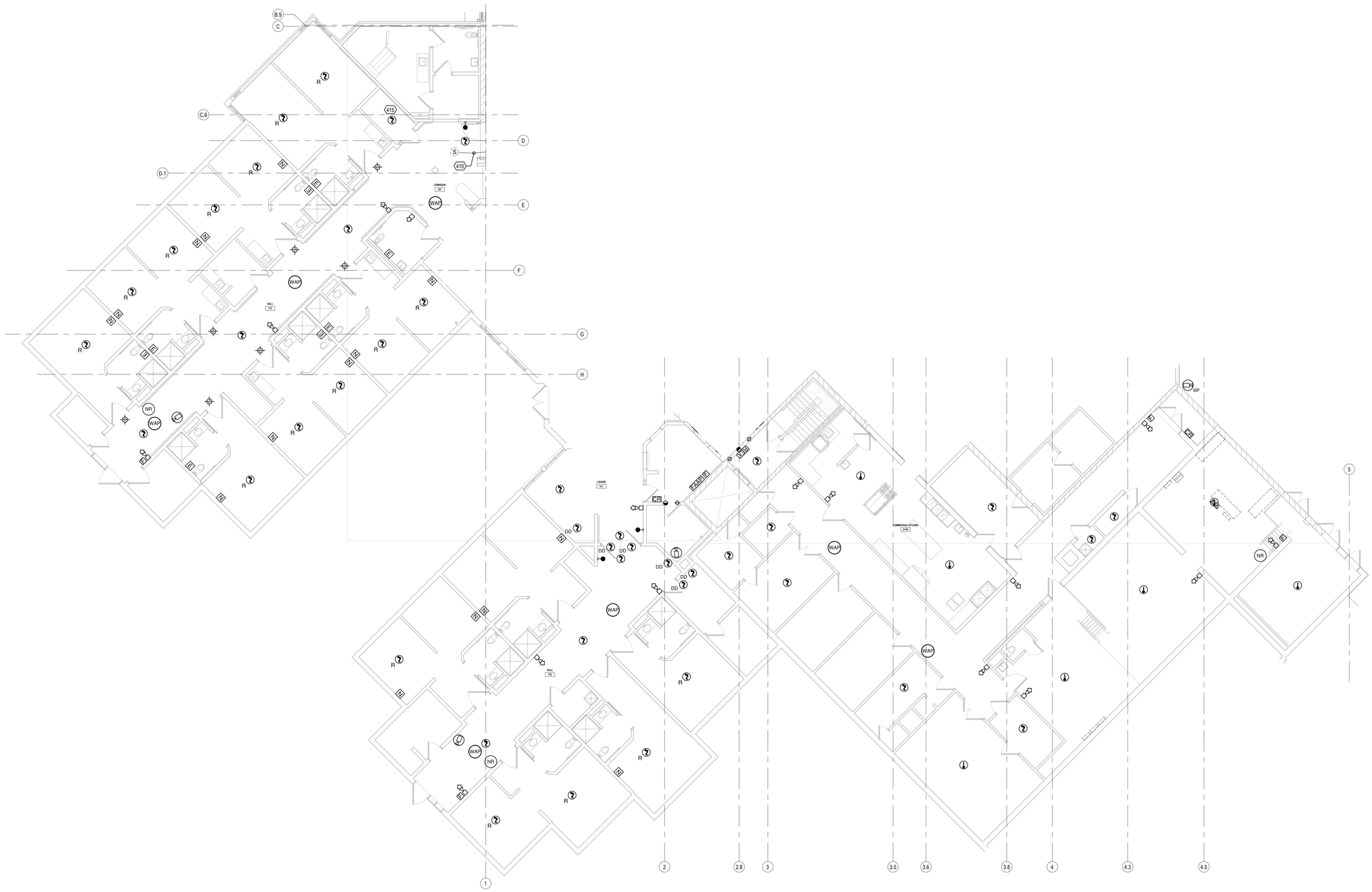


2 **UPPER FLOOR INDEPENDANT LIVING PLAN - SYSTEMS**
1/8" = 1'-0"



MN

SHEET NOTES	
410	TIE TO EXISTING SPEAKER IN EXISTING AREA.
415	REPLACE EXISTING PAGING AMPLIFIER WITH NEW PER SPECIFICATIONS. RECONNECT EXISTING SPEAKER WIRING AND PAGING INPUTS AS REQURIED. TEST SYSTEM AND ENSURE SYSTEM OPERATES PROPERLY.



1 **FIRST FLOOR PLAN - AREA D - SYSTEMS**
1/8" = 1'-0"

E

Autodesk Docs://19000 - Pelican Valley Senior Living Renovation/2024-24 Pelican Valley Senior Living_Rev23.rvt
1/28/2025 3:05:38 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

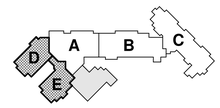
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N. Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



KEY PLAN
FIRST FLOOR

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date: **Issue Date**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

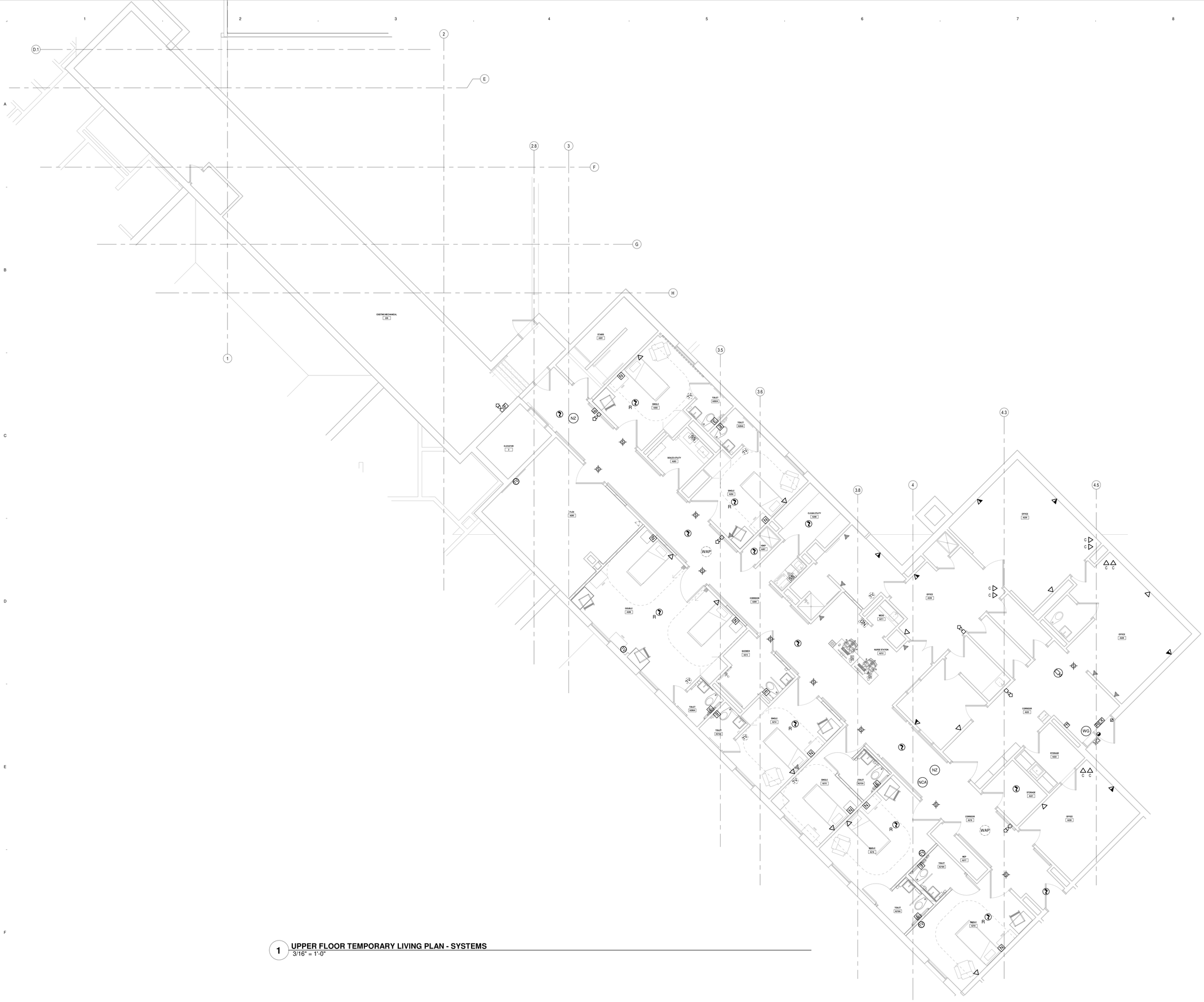
North

FIRST FLOOR PLAN - AREA D AND E - SYSTEMS

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

E4.00d

MN



1 UPPER FLOOR TEMPORARY LIVING PLAN - SYSTEMS
3/16" = 1'-0"

E

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/2024-24 Pelican Valley Senior Living_Rev25.rvt
1/28/2025 3:05:18 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

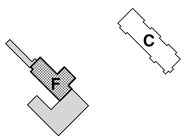
Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC



KEY PLAN
SECOND FLOOR

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

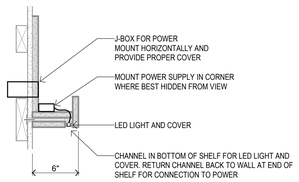
North

UPPER FLOOR TEMPORARY LIVING PLAN - SYSTEMS

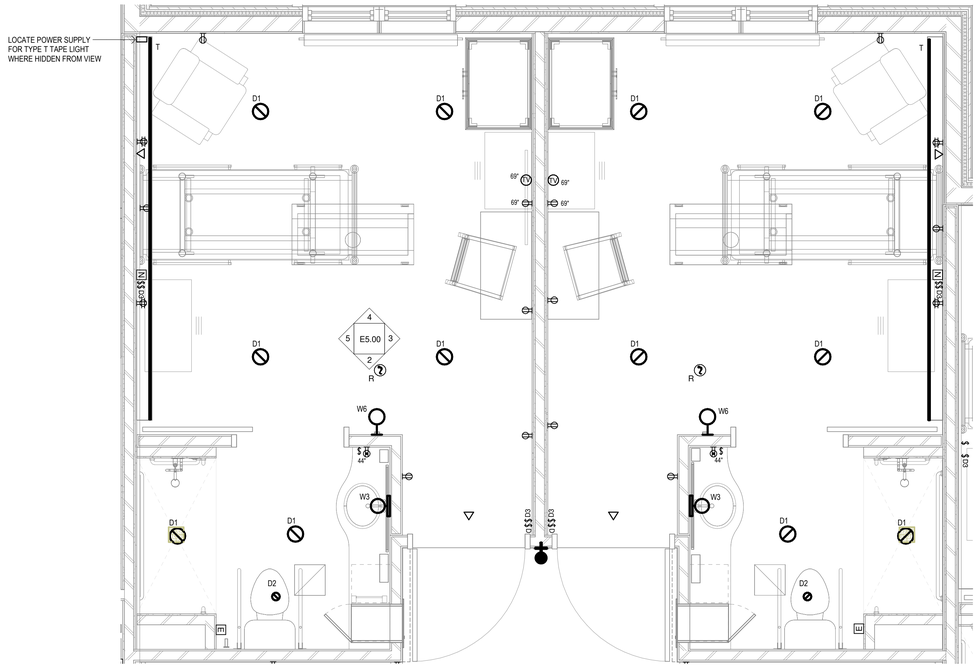
Scale: **3/16" = 1'-0"**

E4.01f

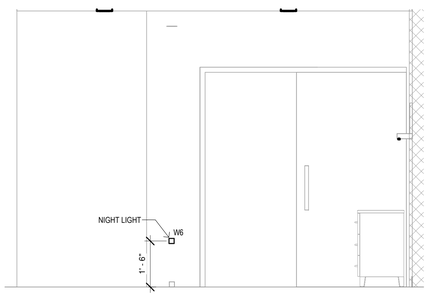
MN



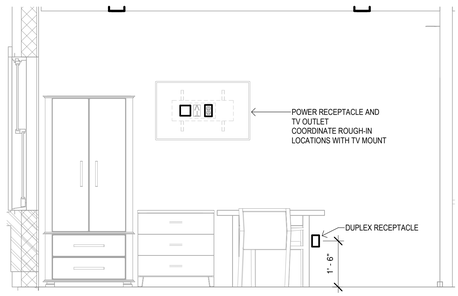
6 **SECTION AT RESIDENT ROOM PICTURE SHELF**
1 1/2" = 1'-0"



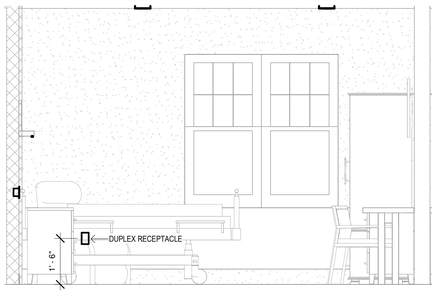
1 **TYPICAL RESIDENT ROOM FLOOR PLANS - ELECTRICAL**
1/2" = 1'-0"



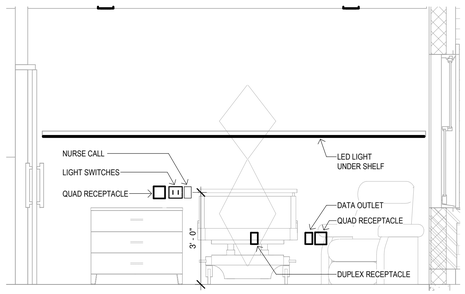
2 **TYPICAL ROOM ENTRY**
1/2" = 1'-0"



3 **TYPICAL GUEST TV WALL**
1/2" = 1'-0"



4 **TYPICAL ROOM WINDOW WALL**
1/2" = 1'-0"



5 **TYPICAL ROOM BED WALL**
1/2" = 1'-0"

E

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/E5.00 Pelican Valley Senior Living_Rev2025.rvt
12/8/2025 3:55:08 PM

Pelican Valley Senior Living Renovation
211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N. Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions		
Description	Date	Num

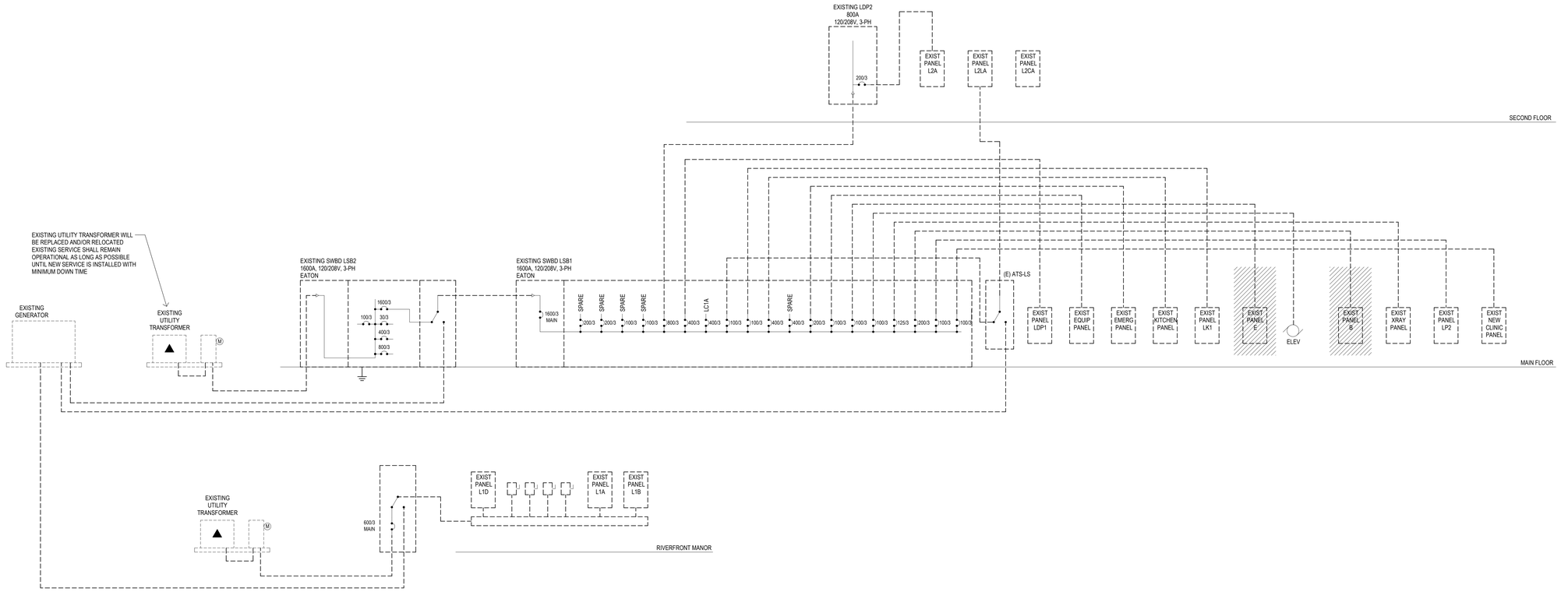
Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

TYPICAL RESIDENT ROOM FLOOR PLANS - ELECTRICAL

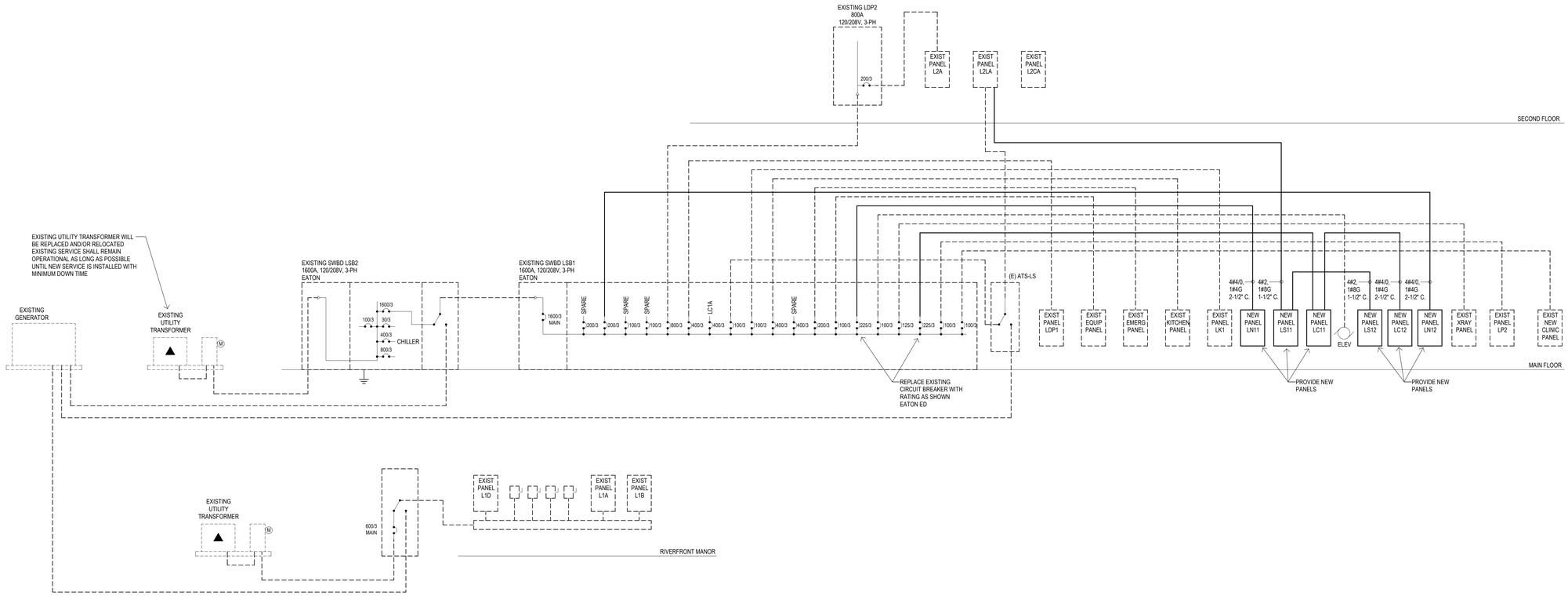
Scale: **As indicated**

E5.00

MN



1 **ONE-LINE RISER DIAGRAM - EXISTING**
NOT TO SCALE



2 **ONE-LINE RISER DIAGRAM - NEW**
NOT TO SCALE

E

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/E6.01 ONE-LINE DIAGRAMS.dwg, Jeff Blake, 1/28/2025 3:55:58 PM

Pelican Valley Senior Living Renovation
211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

ONE-LINE DIAGRAMS

E6.01

MN

PANEL LN11

LOCATION	ELEC A119	VOLT	120/208 Wye
FED FROM		PHASES	3
MOUNTING	Recessed	WIRES	4
ENCLOSURE	Type 1		

A.I.C. RATING:
MAINS:
MAINS RATING: 225 A

OPTIONS:

LOAD DESCRIPTION	AMP	POLE	TYPE	CKT NO.	A	B	C	CKT NO.	TYPE	POLE	AMP	LOAD DESCRIPTION
ADA AUTO DOOR - PATIO	20 A	1		1	0.20	0.34		2		1	20 A	LIGHTING - KITCHEN
DINING COUNTER RECEPTACLE	20 A	1		3		0.18	2.77	4		1	20 A	LIGHTING - FRONT DINING
DINING PATIO RECEPTACLES	20 A	1		5			0.72 0.13	6		1	20 A	LIGHTING -BACK DINING
RECEPTACLE - STAFF BREAK REFRIGERATOR	20 A	1		7	0.80	0.56		8		1	20 A	LIGHTING - CORRIDOR
RECEPTACLE - MICROWAVE	20 A	1		9		1.00	1.55	10		1	20 A	LIGHTING - REHAB & NURSES AREA
RECEPTACLES - STAFF BREAK KITCHENETTE	20 A	1		11			0.36	12				
RECEPTACLES - STAFF BREAK KITCHENETTE	20 A	1		13	0.36			14				
RECEPTACLE - STAFF BREAK MED...	20 A	1		15		0.80		16				
RECEPTACLES - STAFF BREAK RM	20 A	1		17			1.08	18				
RECEPTACLES - STAFF BREAK RM	20 A	1		19	0.72			20				
RECEPTACLES - ACTIVITIES DIRECTOR	20 A	1		21		0.72		22				
RECEPTACLES - MOTHERS ROOM	20 A	1		23			0.72	24				
RECEPTACLES - RN2	20 A	1		25	0.72			26				
RECEPTACLES - RN1	20 A	1		27		0.72		28				
RECEPTACLE - TOILET	20 A	1		29			0.18	30				
RECEPTACLE - EVS	20 A	1		31	0.18			32				
RECEPTACLES - MED RECORDS	20 A	1		33		0.72		34				
RECEPTACLES - MED PREP COUNTER	20 A	1		35			0.36	36				
RECEPTACLE - MED PREP COUNTER	20 A	1		37	0.18			38				
RECEPTACLES - NURSE CORRIDOR	20 A	1		39		0.90		40				
RECEPT. - NURSE STATION & SOILED UTILITY	20 A	1		41			0.72	42				
FLOORBOX - NURSE DESK	20 A	1		43	0.18			44				
RECEPTACLES - REHAB	20 A	1		45		0.54		46				
RECEPTACLE - REHAB COUNTER	20 A	1		47			0.18	48				
RECEPTACLE - REHAB COUNTER	20 A	1		49	0.18			50				
RECEPTACLES - REHAB	20 A	1		51		0.54		52				
RECEPTACLE - REHAB COMPUTER	20 A	1		53			0.36	54				
RECEPTACLE - REHAB EQUIPMENT	20 A	1		55	0.18			56				
RECEPTACLES - LIFT	20 A	1		57		0.36		58				
RECEPTACLE - NURSE CALL REPEATER	20 A	1		59			0.18	60				
RECEPTACLES - CORRIDOR	20 A	1		61	1.08			62				
RECEPTACLE - TOILET	20 A	1		63		0.18		64				
RECEPTACLES - RECLINERS	20 A	1		65			0.72	66				
RECEPTACLES - CORRIDOR	20 A	1		67	0.72			68				
				69				70				
				71				72				
			Total Load:		6.40 kVA	10.98 kVA	5.70 kVA					
			Total Amps:		54 A	92 A	48 A					

LEGEND:

NOTES:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
KITCHEN	2.60 kVA	90.00%	2.34 kVA		
LIGHTING	3.24 kVA	100.00%	3.24 kVA	TOTAL CONNECTED LOAD:	23.08 kVA
Motor	0.20 kVA	100.00%	0.20 kVA	TOTAL ESTIMATED LOAD:	20.35 kVA
Other	2.10 kVA	100.00%	2.10 kVA	TOTAL CONNECTED:	64 A
RECEPTACLE	14.94 kVA	83.47%	12.47 kVA	TOTAL ESTIMATED DEMAND:	56 A

PANEL LN12

LOCATION	ELEC B116	VOLT	120/208 Wye
FED FROM		PHASES	3
MOUNTING	Recessed	WIRES	4
ENCLOSURE	Type 1		

A.I.C. RATING:
MAINS:
MAINS RATING: 225 A

OPTIONS:

LOAD DESCRIPTION	AMP	POLE	TYPE	CKT NO.	A	B	C	CKT NO.	TYPE	POLE	AMP	LOAD DESCRIPTION
RECEPTACLE - LOBBY TOILET	20 A	1		1	0.18	1.34		2		1	20 A	LIGHTING - ADMIN AREA
RECEPTACLES - SALON	20 A	1		3		0.54	1.01	4		1	20 A	LIGHTING - LOBBY & RECEPTION
RECEPTACLE - SALON	20 A	1		5			0.18 1.34	6		1	20 A	LIGHTING - CORRIDOR
RECEPTACLE - SALON	20 A	1		7	0.36	0.79		8		1	20 A	LIGHTING - CHAPPEL & LOUNGE
RECEPTACLE - SALON	20 A	1		9		0.36		10				
RECEPTACLE - SALON	20 A	1		11			0.18	12				
RECEPTACLE - SALON DRYER	50 A	2		13	4.00			14				
--	--	--	--	15		4.00		16				
ADA AUTO DOORS	20 A	1		17			0.40 0.36	18		1	20 A	RECEPTACLES - LIFT
RECEPTACLES - LOBBY & VEST	20 A	1		19	0.72	0.54		20		1	20 A	RECEPTACLES - CORRIDOR & STOR
RECEPTACLES - RECEPTION	20 A	1		21		0.72	0.36	22		1	20 A	RECEPTACLE - IT ROOM
RECEPTACLES - LOBBY	20 A	1		23			0.54 0.36	24		1	20 A	RECEPTACLE - IT RACK
RECEPTACLE - CONFERENCE UC FRIDGE	20 A	1		25	0.18	0.36		26		1	20 A	RECEPTACLE - IT ROOM
RECEPTACLE - CONFERENCE COUNTER	20 A	1		27		0.18	0.18	28		1	20 A	FIREPLACE - LOUNGE
RECEPTACLE - CONFERENCE COUNTER	20 A	1		29			0.18 0.72	30		1	20 A	RECEPTACLES - LOUNGE
RECEPTACLES - CONFERENCE	20 A	1		31	0.54	0.18		32		1	20 A	RECEPTACLE - FIREPLACE DESK
FLOORBOXES - CONFERENCE	20 A	1		33		0.54	0.72	34		1	20 A	RECEPTACLES & FLOOR BOXES - LOUNGE
RECEPTACLES - CONFERENCE	20 A	1		35			0.54 0.90	36		1	20 A	RECEPTACLES & FLOORBOXES - CHAPEL
RECEPTACLES - MAIL RM	20 A	1		37	0.36	0.72		38		1	20 A	RECEPTACLES - CHAPEL/ACTIVITY
RECEPTACLES - MDS	20 A	1		39		0.72	0.18	40		1	20 A	RECEPTACLE - CHAPEL COUNTER
RECEPTACLES - SCHEDULER	20 A	1		41			0.72 0.36	42		1	20 A	RECEPTACLE - CHAPEL AV
RECEPTACLES - AR	20 A	1		43	0.72	0.36		44		1	20 A	RECEPTACLE - CHAPEL AV
RECEPTACLES - CORRIDOR	20 A	1		45		0.36	0.72	46		1	20 A	RECEPTACLES - CHAPEL/ACTIVITY
RECEPTACLES - SOCIAL SERVICES	20 A	1		47			0.72 0.72	48		1	20 A	RECEPTACLES - CORRIDOR & ELEC
RECEPTACLES - ADMINISTRATOR	20 A	1		49	0.90	0.18		50		1	20 A	RECEPTACLE - NURSE CALL REPEATER
RECEPTACLES - BOM	20 A	1		51		0.72	0.72	52		1	20 A	RECEPTACLES - CAFE & RECEPTION
RECEPTACLES - COPIER COUNTER	20 A	1		53			0.36 0.18	54		1	20 A	RECEPTACLE - CAFE TOILET
RECEPTACLE - COPIER	20 A	1		55	0.18	0.90		56		1	20 A	RECEPTACLE - CAFE DISPLAY FRIDGE
RECEPTACLES- DON	20 A	1		57		0.90	0.90	58		1	20 A	RECEPTACLE - CAFE DISPLAY FRIDGE
RECEPTACLES - HR	20 A	1		59			0.90 1.20	60		1	20 A	RECEPTACLE - CAFE COUNTER
RECEPTACLES - SPA COUNTER	20 A	1		61	0.36	1.20		62		1	20 A	RECEPTACLE - CAFE MICROWAVE
RECEPTACLE - SPA SCALE	20 A	1		63		0.18	1.20	64		1	20 A	RECEPTACLE - CAFE REFRIGERATOR
RECEPTACLES - SPA AREA	20 A	1		65			0.90 1.25	66		2	30 A	RECEPTACLE - ICE MACHINE
RECEPTACLE - FOR SPA	20 A	1		67	0.18	1.25		68	--	--	--	--
RECEPTACLES - CORRIDOR & CLEAN	20 A	1		69		0.72	1.25	70		2	30 A	RECEPTACLE - COFFEE MAKER
				71			1.25	72	--	--	--	--
			Total Load:		16.50 kVA	17.17 kVA	14.25 kVA					
			Total Amps:		140 A	146 A	119 A					

LEGEND:

NOTES:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
HVAC	0.00 kVA	0.00%	0.00 kVA		
KITCHEN	5.40 kVA	70.00%	3.78 kVA	TOTAL CONNECTED LOAD:	47.92 kVA
LIGHTING	2.34 kVA	100.00%	2.34 kVA	TOTAL ESTIMATED LOAD:	32.56 kVA
Motor	0.40 kVA	100.00%	0.40 kVA	TOTAL CONNECTED:	133 A
Other	2.15 kVA	100.00%	2.15 kVA	TOTAL ESTIMATED DEMAND:	90 A
POWER	0.18 kVA	100.00%	0.18 kVA		
RECEPTACLE	37.48 kVA	63.34%	23.74 kVA		

PANEL LC11

LOCATION	ELEC A119	VOLT	120/208 Wye
FED FROM		PHASES	3
MOUNTING	Recessed	WIRES	4
ENCLOSURE	Type 1		

A.I.C. RATING:
MAINS:
MAINS RATING: 225 A

OPTIONS:

LOAD DESCRIPTION	AMP	POLE	TYPE	CKT NO.	A	B	C	CKT NO.	TYPE	POLE	AMP	LOAD DESCRIPTION
RECEPTACLES - A120	20 A	1	AF	1	0.36	0.63		2	AF	1	20 A	LIGHTS - RESIDENT RMS
RECEPTACLES - A120	20 A	1	AF	3		1.62	1.04	4	AF	1	20 A	RECEPTACLE - MED PREP REFRIGERATOR
RECEPTACLE - A120A BATHROOM	20 A	1	AF	5			0.18 0.00	6	AF	1	20 A	SPARE
RECEPTACLES - A121	20 A	1	AF	7	0.36	0.00		8	AF	1	20 A	SPARE
RECEPTACLES - A121	20 A	1	AF	9		1.62	0.00	10	AF	1	20 A	SPARE
RECEPTACLE - A121A BATHROOM	20 A	1	AF	11			0.18 0.00	12	AF	1	20 A	SPARE
RECEPTACLES - A122	20 A	1	AF	13	0.36	0.00		14	AF	1	20 A	SPARE
RECEPTACLES - A122	20 A	1	AF	15		1.44	0.00	16	AF	1	20 A	SPARE
RECEPTACLE - A122A BATHROOM	20 A	1	AF	17			0.18 0.00	18	AF	1	20 A	SPARE
RECEPTACLES - A123	20 A	1	AF	19	0.36	--		20		1	--	SPACE
RECEPTACLES - A123	20 A	1	AF	21		1.44	--	22		1	--	SPACE
RECEPTACLE - A123A BATHROOM	20 A	1	AF	23			0.18 --	24		1	--	SPACE
RECEPTACLES - A124	20 A	1	AF	25	0.36	--		26		1	--	SPACE
RECEPTACLES - A124	20 A	1	AF	27		1.62	--	28		1	--	SPACE
RECEPTACLE - A124A BATHROOM	20 A	1	AF	29			0.18 --	30		1	--	SPACE
SPACE	--	1		31	--	--		32		1	--	SPACE
SPACE	--	1		33		--	--	34		1	--	SPACE
SPACE	--	1		35			-- --	36		1	--	SPACE
SPACE	--	1		37	--	--		38		1	--	SPACE
SPACE	--	1		39		--	--	40		1	--	SPACE
SPACE	--	1		41			-- --	42		1	--	SPACE
			Total Load:		2.42 kVA	8.78 kVA	0.90 kVA					
			Total Amps:		22 A	75 A	8 A					

LEGEND:

NOTES:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
KITCHEN	1.04 kVA	100.00%	1.04 kVA		
LIGHTING	0.63 kVA	100.00%	0.63 kVA	TOTAL CONNECTED LOAD:	12.10 kVA
Other	0.00 kVA	0.00%	0.00 kVA	TOTAL ESTIMATED LOAD:	11.88 kVA
RECEPTACLE	10.44 kVA	97.89%	10.22 kVA	TOTAL CONNECTED:	34 A
				TOTAL ESTIMATED DEMAND:	33 A

PANEL LC12

LOCATION	ELEC B116	VOLT	120/208 Wye
FED FROM		PHASES	3
MOUNTING	Recessed	WIRES	4
ENCLOSURE	Type 1		

A.I.C. RATING:
MAINS:
MAINS RATING: 225 A

OPTIONS:

LOAD DESCRIPTION	AMP	POLE	TYPE	CKT NO.	A	B	C	CKT NO.	TYPE	POLE	AMP	LOAD DESCRIPTION
RECEPTACLES - B108	20 A	1	AF	1	0.36	0.36		2	AF	1	20 A	RECEPTACLES - B105
RECEPTACLES - B108	20 A	1	AF	3		1.62	1.44	4	AF	1	20 A	RECEPTACLES - B105
RECEPTACLE - B108A BATHROOM	20 A	1	AF	5			0.18 0.18	6	AF	1	20 A	RECEPTACLE - B105A BATHROOM
RECEPTACLES - B109	20 A	1	AF	7	0.36	0.36		8	AF	1	20 A	RECEPTACLES - B104
RECEPTACLES - B109	20 A	1	AF	9		1.62	1.62	10	AF	1	20 A	RECEPTACLES - B104
RECEPTACLE - B109A BATHROOM	20 A	1	AF	11			0.18 0.18	12	AF	1	20 A	RECEPTACLE - B104A BATHROOM
RECEPTACLES - B110	20 A	1	AF	13	0.36	0.63		14	AF	1	20 A	LIGHTS - RESIDENT RMS
RECEPTACLES - B110	20 A	1	AF	15		1.62	0.21	16	AF	1	20 A	LIGHTS - RESIDENT RMS
RECEPTACLE - B110A BATHROOM	20 A	1	AF	17			0.18 0.00	18	AF	1	20 A	SPARE
RECEPTACLES - B112	20 A	1	AF	19	0.36	0.00		20	AF	1	20 A	SPARE
RECEPTACLES - B112	20 A	1	AF	21		1.62	0.00	22	AF	1	20 A	SPARE
RECEPTACLE - B112A BATHROOM	20 A	1	AF	23			0.18 0.00	24	AF	1	20 A	SPARE
RECEPTACLES - B113	20 A	1	AF	25	0.36	0.00		26	AF	1	20 A	SPARE
RECEPTACLES - B113	20 A	1	AF	27		1.62	0.00	28	AF	1	20 A	SPARE
RECEPTACLE - B113A BATHROOM	20 A	1	AF	29			0.18 0.00	30	AF	1	20 A	SPARE
RECEPTACLES - B114	20 A	1	AF	31	0.36	--		32		1	--	SPACE
RECEPTACLES - B114	20 A	1	AF	33		1.44	--	34		1	--	SPACE
RECEPTACLE - B114A BATHROOM	20 A	1	AF	35			0.18 --	36		1	--	SPACE
RECEPTACLES - B115	20 A	1	AF	37	0.36	--		38		1	--	SPACE
RECEPTACLES - B115	20 A	1	AF	39		1.44	--	40		1	--	SPACE
RECEPTACLE - B115A BATHROOM	20 A	1	AF	41			0.18 --	42		1	--	SPACE
			Total Load:		3.86 kVA	14.25 kVA	1.62 kVA					
			Total Amps:		35 A	122 A	14 A					

LEGEND:

NOTES:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
LIGHTING	0.84 kVA	100.00%	0.84 kVA		
Other	0.00 kVA	0.00%	0.00 kVA	TOTAL CONNECTED LOAD:	19.72 kVA
RECEPTACLE	18.90 kVA	76.46%	14.45 kVA	TOTAL ESTIMATED LOAD:	15.27 kVA
				TOTAL CONNECTED:	55 A
				TOTAL ESTIMATED DEMAND:	42 A

PANEL LK2

LOCATION	ELEC A119	VOLT	120/208 Wye
FED FROM		PHASES	3
MOUNTING	Recessed	WIRES	4
ENCLOSURE	Type 1		

A.I.C. RATING:
MAINS:
MAINS RATING: 225 A

OPTIONS:

LOAD DESCRIPTION	AMP	POLE	TYPE	CKT NO.	A	B	C	CKT NO.	TYPE	POLE	AMP	LOAD DESCRIPTION
DINING RECEPTACLES	20 A	1	G	1	0.54	6.30		2	G	3	20 A	DISHWASHER (18)
DINING RECEPTACLES	20 A	1	G	3		0.72	6.30	4	--	--	--	--
DINING COUNTER RECEPTACLE	20 A	1	G	5			0.18 6.30	6	--	--	--	--
DINING COUNTER RECEPTACLE	20 A	1	G	7	0.18	0.79		8	G	3	15 A	DISPOSAL (21)
DINING COUNTER RECEPTACLE	20 A	1	G	9		0.18	0.79	10	--	--	--	--
SERVING RECEPTACLES	20 A	1	G	11			0.36 0.79	12	--	--	--	--
JUICE/WATERVICE RECEPTACLE (29)	20 A	1	G	13	8.50	1.25		14		2	30 A	RECEPTACLE - COFFEE MAKER (28)
COFFEE MAKER (27)	20 A	1	G	15		0.90	1.25	16	--	--	--	--
DISPLAY FRDGE (26)	20 A	1	G	17			0.48 0.76	18	G	1	20 A	REACHIN FREEZER (1)
SOUP WELL (24)	20 A	1	G	19	0.40	0.38		20	G	1	20 A	REACHIN REFRIGERATOR (2)
INDUCTION RANGE (23)	20 A	1	G	21		0.40	1.20	22	G	1	20 A	MOBILE WARMING CABINET (3)
INDUCTION RANGE (23)	20 A	1	G	23			0.40 0.48	24	G	1	20 A	GAS RANGE CONTROLS (7)
INDUCTION RANGE (23)	20 A	1	G	25	0.40	--		26		1	--	SPACE
WORKTOP REFRIGERATOR (32)	20 A	1	G	27		0.28	--	28		1	--	SPACE
REFRIGERATED PREP TABLE (9)	20 A	1	G	29			0.28 --	30		1	--	SPACE
MICROWAVE OVEN (13)	20 A	1	G	31	1.60	--		32		1	--	SPACE
RANGE HOOD CONNECTIONS (6)	20 A	1	G	33		1.20	--	34		1	--	SPACE
SPARE	20 A	1	G	35			0.00 --	36		1	--	SPACE
SPARE	20 A	1	G	37	0.00	--		38		1	--	SPACE
SPARE	20 A	1	G	39		0.00	--	40		1	--	SPACE
SPARE	20 A	1	G	41			0.00 --	42		1	--	SPACE
			Total Load:		20.34 kVA	13.22 kVA	10.03 kVA					
			Total Amps:		174 A	114 A	84 A					

LEGEND:

NOTES:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
HVAC	21.28 kVA	100.00%	21.28 kVA		
KITCHEN	16.46 kVA	65.00%	10.70 kVA	TOTAL CONNECTED LOAD:	43.60 kVA
POWER	1.20 kVA	100.00%	1.20 kVA	TOTAL ESTIMATED LOAD:	37.84 kVA
RECEPTACLE	4.66 kVA	100.00%	4.66 kVA	TOTAL CONNECTED:	121 A
				TOTAL ESTIMATED DEMAND:	105 A

PANEL LS11

LOCATION	ELEC A119	VOLT	120/208 Wye
FED FROM		PHASES	3
MOUNTING	Recessed	WIRES	4
ENCLOSURE	Type 1		

A.I.C. RATING:
MAINS:
MAINS RATING: 225 A

OPTIONS:

LOAD DESCRIPTION	AMP	POLE	TYPE	CKT NO.	A	B	C	CKT NO.	TYPE	POLE	AMP	LOAD DESCRIPTION
LIGHTING - CORRIDOR EM	20 A	1		1	0.76	--		2		1	--	SPACE
NIGHT LIGHTS - RESIDENT RMS	20 A	1	AF	3		0.06	--	4		1	--	SPACE
LIGHTING - KITCHEN/DINING EM	20 A	1		5			0.35 --	6		1	--	SPACE
SPARE	20 A	1		7	0.00	--		8		1	--	SPACE
SPARE	20 A	1		9	0.00	--		10		1	--	SPACE
SPARE	20 A	1		11			0.00 --	12		1	--	SPACE
SPARE	20 A	1		13	0.00	--		14		1	--	SPACE
SPACE	--	1		15		--	--	16		1	--	SPACE
SPACE	--	1		17			-- --	18		1	--	SPACE
SPACE	--	1		19	--	--		20		1	--	SPACE
SPACE	--	1		21		--	--	22		1	--	SPACE
SPACE	--	1		23			-- --	24		1	--	SPACE
SPACE	--	1		25	--	--		26		1	--	SPACE
SPACE	--	1		27		--	--	28		1	--	SPACE
SPACE	--	1		29			-- --	30		1	--	SPACE
SPACE	--	1		31	--	--		32		1	--	SPACE
SPACE	--	1		33		--	--	34		1	--	SPACE
SPACE	--	1		35			-- --	36		1	--	SPACE
SPACE	--	1		37	--	--		38		1	--	SPACE
SPACE	--	1		39		--	--	40		1	--	SPACE
SPACE	--	1		41			-- --	42		1	--	SPACE
			Total Load:		0.76 kVA	0.06 kVA	0.35 kVA					
			Total Amps:		7 A	1 A	3 A					

LEGEND:

NOTES:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
LIGHTING	0.35 kVA	100.00%	0.35 kVA		
Lighting - Exterior	0.07 kVA	125.00%	0.09 kVA	TOTAL CONNECTED LOAD:	1.17 kVA
Other	0.75 kVA	100.00%	0.75 kVA	TOTAL ESTIMATED LOAD:	1.19 kVA
				TOTAL CONNECTED:	3 A
				TOTAL ESTIMATED DEMAND:	3 A

PANEL LS12

LOCATION	ELEC B116	VOLT	120/208 Wye
FED FROM		PHASES	3
MOUNTING	Recessed	WIRES	4
ENCLOSURE	Type 1		

A.I.C. RATING:
MAINS:
MAINS RATING: 225 A

OPTIONS:

LOAD DESCRIPTION	AMP	POLE	TYPE	CKT NO.	A	B	C	CKT NO.	TYPE	POLE	AMP	LOAD DESCRIPTION
NIGHT LIGHTS - RESIDENT RMS	20 A	1	AF	1	0.11	--		2		1	--	SPACE
LIGHTING - CORRIDOR EM	20 A	1		3		0.42	--	4		1	--	SPACE
LIGHTING - LOBBY EM	20 A	1		5			0.15 --	6		1	--	SPACE
LIGHTING - EXTERIOR	20 A	1		7	0.22	--		8		1	--	SPACE
SPARE	20 A	1		9		0.00	--	10		1	--	SPACE
SPARE	20 A	1		11			0.00 --	12		1	--	SPACE
SPACE	--	1		13	--	--		14		1	--	SPACE
SPACE	--	1		15		--	--	16		1	--	SPACE
SPACE	--	1		17			-- --	18		1	--	SPACE
SPACE	--	1		19	--	--		20		1	--	SPACE
SPACE	--	1		21		--	--	22		1	--	SPACE
SPACE	--	1		23			-- --	24		1	--	SPACE
SPACE	--	1		25	--	--		26		1	--	SPACE
SPACE	--	1		27		--	--	28		1	--	SPACE
SPACE	--	1		29			-- --	30		1	--	SPACE
SPACE	--	1		31	--	--		32		1	--	SPACE
SPACE	--	1		33		--	--	34		1	--	SPACE
SPACE	--	1		35			-- --	36		1	--	SPACE
SPACE	--	1		37	--	--		38		1	--	SPACE
SPACE	--	1		39		--	--	40		1	--	SPACE
SPACE	--	1		41			-- --	42		1	--	SPACE
			Total Load:		0.32 kVA	0.42 kVA	0.15 kVA					
			Total Amps:		3 A	4 A	1 A					

LEGEND:

NOTES:

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL TOTALS	
LIGHTING	0.59 kVA	100.00%	0.59 kVA		
Other	0.30 kVA	100.00%	0.30 kVA	TOTAL CONNECTED LOAD:	0.89 kVA
				TOTAL ESTIMATED LOAD:	0.89 kVA
				TOTAL CONNECTED:	2 A
				TOTAL ESTIMATED DEMAND:	2 A

CIRCUIT BREAKER LEGEND:

G : GFCI CIRCUIT BREAKER
LN : LOCK-ON DEVICE
NB: NEW CIRCUIT BREAKER FOR EXISTING PANEL

E

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/2024-24 Pelican Valley Senior Living_Rev25.rvt
1/28/2025 3:00:57 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

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 **Reg State**

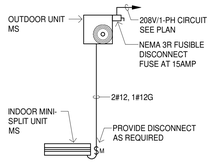
JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions		
Description	Date	Num

Comm: 246039
Date: 01/28/25
Drawn: KS/JB
Check: JAB

PANEL SCHEDULES

E6.11



NOTE: REFER TO EQUIPMENT MANUFACTURERS WIRING DIAGRAM. WIRING SHALL BE PER MANUFACTURERS INSTRUCTIONS.

1 SPLIT SYSTEM DETAIL

NOT TO SCALE

MOTOR SCHEDULE

EQUIP ID	EQUIPMENT DESCRIPTION	RATINGS						CONTROLLER				DISCONNECT			CONTROLS			NOTES
		VOLT	PH	HP	KW	FLA	MCA	MOCP	BY	TYPE	SIZE	LOCATION	BY	SIZE/TYPE	LOCATION	BY	TYPE	INTERLOCK	
DOAS-1	ROOF TOP UNIT	208	3	-	-	-	115.2	175	MC	SC	-	WITH UNIT	EC	D22RF	AT UNIT	TC	DDC	-	1
RTU-1	ROOF TOP UNIT	208	3	-	-	-	52.3	70	MC	SC	-	WITH UNIT	EC	D21RF	AT UNIT	TC	DDC	-	1
CH-1	CHILLER UNIT	208	3	-	-	-	82.5	135	MC	SC	-	WITH UNIT	EC	D22RF	AT UNIT	TC	DDC	-	1
RCP-1	DOMESTIC RECIRCULATING PUMP	120	1	0.5	-	-	-	20	MC	-	-	-	EC	SW	AT UNIT	-	-	-	
GLY-1	GLYCOL RECOVERY UNIT	120	1	-	-	-	-	15	MC	-	-	-	EC	REC	AT UNIT	-	-	-	
HWP-1	HOT WATER PUMP	208	3	3	-	11.0	-	20	MC	ECM	-	WITH UNIT	EC	D23RF	AT UNIT	TC	DDC	-	1
HWP-2	HOT WATER PUMP	208	3	3	-	11.0	-	20	MC	ECM	-	WITH UNIT	EC	D23RF	AT UNIT	TC	DDC	-	1
CWP-1	CHILLED WATER PUMP	208	3	3	-	11.0	-	20	MC	ECM	-	WITH UNIT	EC	D23RF	AT UNIT	TC	DDC	-	1
CWP-2	CHILLED WATER PUMP	208	3	3	-	11.0	-	20	MC	ECM	-	WITH UNIT	EC	D23RF	AT UNIT	TC	DDC	-	1
CWP-3	CHILLED WATER PUMP	208	3	1	-	4.8	-	15	MC	ECM	-	WITH UNIT	EC	D23RF	AT UNIT	TC	DDC	-	1
CWP-4	CHILLED WATER PUMP	208	3	1	-	4.8	-	15	MC	ECM	-	WITH UNIT	EC	D23RF	AT UNIT	TC	DDC	-	1
MS-1	MINI-SPLIT	208	1	-	-	13.0	-	15	MC	SC	-	WITH UNIT	EC	D23RF	AT UNIT	TC	DDC	-	1
H-1	HUMIDIFIER	208	3	-	-	52	-	70	MC	ECM	-	WITH UNIT	EC	D21F	AT UNIT	TC	DDC	-	1

LEGEND:

EC ELECTRICAL CONTRACTOR
MC MECHANICAL CONTRACTOR
TC TEMPERATURE CONTROL CONTRACTOR

M MAGNETIC
MM MANUAL
SS SOFT START
VFD VARIABLE FREQUENCY DRIVE
CSD COMBINATION TYPE
SC SELF CONTAINED
OS OCCUPANCY SENSOR

Dxx DISCONNECT SWITCH
CB CIRCUIT BREAKER
DDC DIRECT DIGITAL CONTROL
SW SWITCH
TS THERMOSTAT
REC RECEPTACLE
CP CONTROL PANEL

NOTES:
1. PROVIDE FUSES PER NEC AND EQUIPMENT NAMEPLATE.
2. PROVIDE 120V CONNECTION FOR MOTORIZED BACKDRAFT DAMPER AND ACTUATOR.
3. PER SPECIFICATION 262913, PROVIDE VFD WITH INTEGRAL DISCONNECT.

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions		
Description	Date	Num

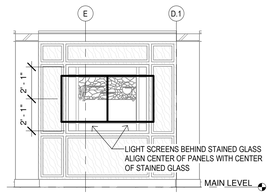
Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

MOTOR SCHEDULE & DETAILS

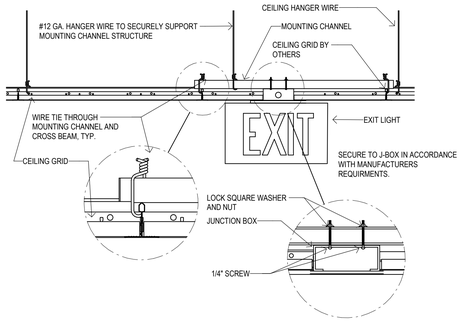
E6.21

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/2024-24 Pelican Valley Senior Living_25e2022.rvt
1/28/2025 11:14:48 PM

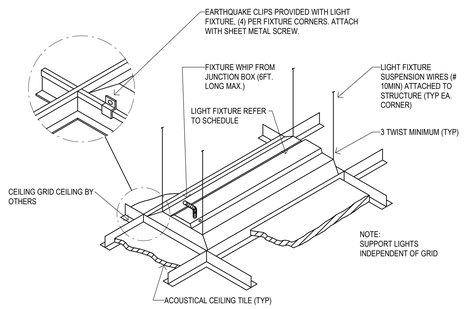
MN



3 CHAPEL STAINED GLASS
1/4" = 1'-0"



2 Exit Light Mounting Detail
NOT TO SCALE



1 RECESSED TROFFER/FLAT PANEL INSTALLATION DETAIL
NOT TO SCALE

LIGHT FIXTURE SCHEDULE

FIXTURE TAG	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LUMENS	CCT	DRIVER	VOLTS	WATTS	MOUNTING	LOCATION	NOTES
A2	2X2 LED ARCHITECTURAL TROFFER, SELECTABLE LUMENS AND CCT	METALUX	22CZSCT3-UNV	3833	4000K	0-10	UNV	30	RECESSED	CEILING	4
A4	2X4 LED ARCHITECTURAL TROFFER, SELECTABLE LUMENS AND CCT	METALUX	24CZSCT3-UNV	6341	4000K	0-10	UNV	45	RECESSED	CEILING	4
C	SURFACE WRAP, LED, 4-FT LONG X 10-INCH WIDE, WHITE HOUSING, SELECTABLE LUMENS	METALUX	4AWWS-L3C3-UNV	5378	4000K	0-10	UNV	38	SURFACE	CEILING	4
D1	4" DOWN LIGHT, SELF-FLANGED, LENSED, SELECTABLE LUMENS	HALO	PR4-FS12-D010-HB128APK / PR4M-12-MD-9FS-MW	1500	3000K	0-10	UNV	13.4	RECESSED	CEILING	4
D2	2" DOWN LIGHT	MP LIGHTING	L501-2-W22S-S-WH	220	2200K	STD	UNV	3	RECESSED	CEILING	.
E	LED EXIT LIGHT, DIE CAST ALUMINUM, WHITE HOUSING, RED LETTERS	SURELITES	CX71-WH-SD	--	RED	STD	UNV	5	SURFACE	WALL/CEILING	.
F4	4-FT LED STRIP LIGHT, LENSED, SELECTABLE LUMENS	METALUX	4SLSTPSLC-UNV	6045	4000K	0-10	UNV	46	SURFACE / SUSPEND	CEILING	.
H	DISK LED LIGHT	HALO	SMD6R-6-930-WH	600	3000K	STD	120	10	SURFACE	CEILING	
LS	LED LIGHT PANEL FOR BACKLIGHT	EVO-LITE	LUMISHEET	5.0 W/FT	3000K	STD	120	10	SURFACE	WALL	
N	WALL LIGHT, 2-FT LONG, NARROW WRAPAROUND, SELECTABLE	METALUX	2AWS-L3C3-UNV	2250	4000K	0-10	UNV	18	SURFACE	WALL	4
P1	DECORATIVE PENDANT BEAUTY SALON	REGAL	1084-613-L	3975.5	-	STD	120	78	SUSPEND	CEILING	.
P2	DECORATIVE PENDANT DINING / LIVING	HUDSON VALLEY	522-DB	--	3000K	STD	120	200	SUSPEND	CEILING	2
P3	DECORATIVE PENDANT SERVING COUNTER	LATHAM	4019-ADB	--	3000K	STD	120	75	SUSPEND	CEILING	1
P4	DECORATIVE PENDANT CAFE / MULTIPURPOSE	MINKA	2161-66A	.	-	STD	120	60	SUSPEND	CEILING	.
P5	DECORATIVE PENDANT LOBBY / VESTIBULE			.	-	STD	120	.	SUSPEND	CEILING	.
P6	DECORATIVE PENDANT RECEPTION	CORA	H101701-PN	.	-	STD	120	60	SUSPEND	CEILING	.
P7	DECORATIVE PENDANT CORRIDOR	SAVONA	9814-PN	.	-	STD	120	60	SUSPEND	CEILING	.
P8	DECORATIVE PENDANT LOBBY	HINKLEY	SELENE FR41905BX	.	-	STD	120	126	SUSPEND	CEILING	.
T	TAPE LIGHT	NOVA FLEX	PRO 120 SERIES	214/FT	3000	STD	120	3.0/FT	SURFACE	UNDER SHELF	6
W1	DECORATIVE SCONCE CORRIDORS	GEORGE KOVACS	P470-077-L	--	-	STD	120	8	SURFACE	WALL	.
W2	DECORATIVE SCONCE RECEPTION	GEORGE KOVACS	P1705-613	--	-	STD	120	13	SURFACE	WALL	.
W3	DECORATIVE SCONCE VANITY	MINKA	5073-84-L	2027	3000	STD	120	24	SURFACE	WALL	.
W4	DECORATIVE SCONCE BEAUTY SALON	AMHERST	8511-PN	.	-	STD	120	60	SURFACE	WALL	.
W5	DECORATIVE SCONCE BOOKCASE / ART	RIDGEWOOD	5824-HN	--	-	STD	120	75	SURFACE	WALL	.
W6	NIGHT LIGHT SCONCE	FAIL SAFE	MCL-A-120	--	-	STD	120	5	SURFACE	WALL	.
AA	POLE MOUNT AREA LIGHT	MCGRAW EDISON	GLEON-SA3-D-740-U-T4FT-BZ-WLS4XX-MA1036-BZ	23,831	4000K	STD	UNV	191	POLE	SITE	5
BB	BOLLARD LIGHT	--	--	--	4000K	STD	UNV	-	GROUND	SITE	.
CC	WALL LIGHT, LED	LUMARK	AXCS1A-PC1	1806	4000K	STD	UNV	14	SURFACE	WALL	.
DD	EXTERIOR DOWNLIGHT	HALO	HC4-15-D010-HB128APK / HM4-05250840 / 41-MD-H	1500	4000K	STD	UNV	15	RECESSED	CANOPY	.
WW	DECORATIVE EXTERIOR SCONCE	--	--	--	4000K	STD	UNV	-	SURFACE	WALL	.

NOTES:
1. PROVIDE 11W A19 LED LAMP WITH E26 MEDIUM BASE.
2. PROVIDE REQUIRED MOUNTING HARDWARE FOR FIXTURE INSTALLATION. PROVIDE TYPE B11 E12 BASE, LED LAMPS, 5.5W, DIMMABLE, WARM WHITE, GE RELAX LED. PROVIDE FIVE LAMPS PER FIXTURE.
3. PROVIDE AIRCRAFT CABLE HANG KIT AS REQUIRED FOR CEILING.
4. SET LUMEN OUTPUT TO SETTING THAT MATCHES LUMENS SPECIFIED.
5. PROVIDE 20-FT ROUND STRAIGHT STEEL POLE RATED FOR WIND LOAD. PROVIDE VIBRATION ISOLATORS, ANCHOR BOLTS, AND BASE COVER.
6. PROVIDE ALUMINUM CHANNEL WITH FROSTED LENS. PROVIDE REQUIRED POWER SUPPLY AND WIRING.

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com

JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions		
Description	Date	Num

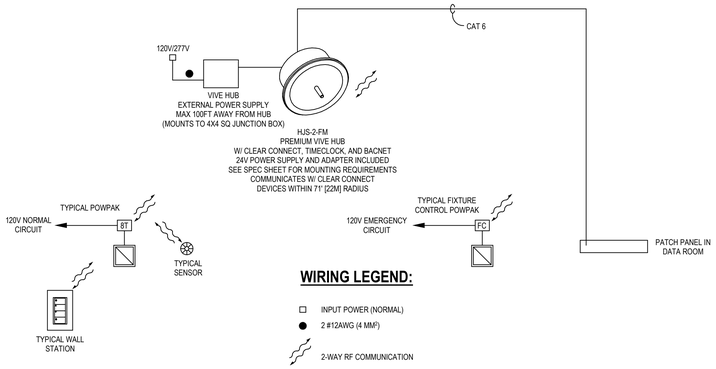
Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

LIGHT FIXTURE SCHEDULE & DETAILS

E7.01

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/E01 for Project Valley Senior Living_Rev25.rvt
1/28/2025 3:05:39 PM

MN



1 LIGHTING CONTROL SYSTEM TOPOLOGY
NOT TO SCALE

LIGHTING CONTROL DEVICE SCHEDULE

SYMBOL	DESCRIPTION	MANUFACTURER	CATALOG NO.
$P2RL	PICO 2-BUTTON, RAISE/LOWER	LUTRON	REFER TO SPECIFICATIONS
	OCCUPANCY SENSOR	LUTRON	REFER TO SPECIFICATIONS
	CORNER MOUNT OCCUPANCY SENSOR	LUTRON	REFER TO SPECIFICATIONS
DS	DAYLIGHT SENSOR	LUTRON	REFER TO SPECIFICATIONS
$P4	4-BUTTON PICO WALL STATION	LUTRON	REFER TO SPECIFICATIONS
HUB	LIGHTING CONTROL HUB	LUTRON	REFER TO SPECIFICATIONS
8T	LIGHTING CONTROL 8-AMP DIMMING POWPAK	LUTRON	REFER TO SPECIFICATIONS
FC	LIGHTING FIXTURE CONTROL DIMMING POWPAK	LUTRON	REFER TO SPECIFICATIONS
ELT	LIGHTING CONTROL EMERGENCY DIMMING POWPAK	LUTRON	REFER TO SPECIFICATIONS
	WALL MOUNT DUAL TECHNOLOGY SENSOR	LUTRON	MS-A102-V-WH

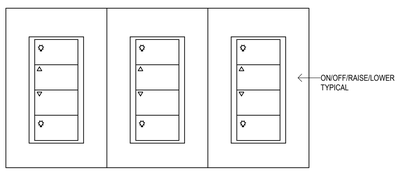
LIGHTING CONTROL SCHEDULE LEGEND:

OCC/VAC	OCCUPANCY/VACANCY
AUTO	AUTOMATIC
MAN	MANUAL
TC	TIME CLOCK
OS	OCCUPANCY SENSOR
0-10V DIM	0-10 VOLT DIMMING
N/A	NOT APPLICABLE

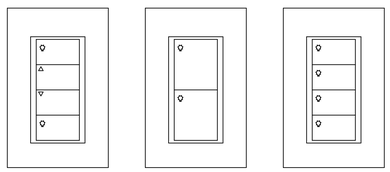
LIGHTING CONTROL SYSTEM SEQUENCE OF OPERATION

CONTROL POINT	ROOM NO.	ROOM NAME	TYPE	VOLT	FUNCTION	DEVICES	ON SEQUENCE			OFF SEQUENCE			DAYLIGHT	TRIM		SCHEDULE		NOTES
							OCC/VAC	VIA	DIM LEVEL	HOW	VIA	TIMEOUT		HIGH	LOW	DAYS	TIME	
1:01	A100/A126	CORRIDOR LIGHTS	LED	120	0-10V DIM	$P2RL, OS	VAC ONLY	$P2RL	80%	MAN/AUTO	$P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:02	A100/A126	CORRIDOR EM LIGHTS	LED	120	0-10V DIM	$P2RL, OS	VAC ONLY	$P2RL	80%	MAN/AUTO	$P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1,2
1:03	A115	CORR/NURSE PENDANTS	LED	120	0-10V DIM	$P2RL, OS	VAC ONLY	$P2RL	80%	MAN/AUTO	$P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:04	B100	CORRIDOR LIGHTS	LED	120	0-10V DIM	$P2RL,OS	VAC ONLY	$P2RL	80%	MAN/AUTO	$P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:05	B100	CORRIDOR EM LIGHTS	LED	120	0-10V DIM	$P2RL,OS	VAC ONLY	$P2RL	80%	MAN/AUTO	$P2RL/OS	10 MIN	DISABLE	100	0	ALL	N/A	1,2
1:06	A101	DINING AREA LIGHTS	LED	120	0-10V DIM	$P2RL,OS	VAC ONLY	$P2RL	80%	MAN/AUTO	$P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:07	A101	DINING AREA LIGHTS	LED	120	0-10V DIM	$P2RL,OS	VAC ONLY	$P2RL	80%	MAN/AUTO	$P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:08	A101	DINING AREA EM LIGHTS	LED	120	0-10V DIM	$P2RL,OS	VAC ONLY	$P2RL	80%	MAN/AUTO	$P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1,2
1:09	A101	DINING AREA PENDANTS	LED	120	0-10V DIM	$P2RL, OS	VAC ONLY	$P2RL	80%	MAN/AUTO	$P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:10	A101	DINING AREA EM LIGHTS	LED	120	0-10V DIM	$P2RL, OS	VAC ONLY	$P2RL	80%	MAN/AUTO	$P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1,2
1:11	A101A	SERVING COUNTER LTS	LED	120	0-10V DIM	$P2RL,OS	VAC ONLY	$P2RL	80%	MAN/AUTO	$P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:12	A101A	SERVING AREA LIGHTS	LED	120	0-10V DIM	$P2RL,OS	VAC ONLY	$P2RL	80%	MAN/AUTO	$P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:13	A101A	SERVING AREA EM LTS	LED	120	0-10V DIM	$P2RL,OS	VAC ONLY	$P2RL	80%	MAN/AUTO	$P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1,2
1:14	A102	PREP KITCHEN LIGHTS	LED	120	0-10V DIM	$P2RL,OS	VAC ONLY	$P2RL	80%	MAN/AUTO	$P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:15	A102	PREP KITCHEN EM LTS	LED	120	0-10V DIM	$P2RL,OS	VAC ONLY	$P2RL	80%	MAN/AUTO	$P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1,2
1:16	A102	DISHWASH LIGHTS	LED	120	0-10V DIM	$P2RL,OS	VAC ONLY	$P2RL	80%	MAN/AUTO	$P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:17	A102	DISHWASH EM LTS	LED	120	0-10V DIM	$P2RL,OS	VAC ONLY	$P2RL	80%	MAN/AUTO	$P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1,2
1:18	A126	CORRIDOR SCONCES	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:19	B100	CORRIDOR SCONCES	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:20	B100	CORRIDOR PENDANTS	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:21	B131	LOBBY DOWNLIGHTS	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:22	B131	LOBBY EM DOWNLIGHTS	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1,2
1:23	B130	CAFE DOWNLIGHTS	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:24	B130	CAFE PENDANTS	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:25	B131	LOBBY SCONCES	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:26	B132	VESTIBULE LIGHTS	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:27	B134	SALON DOWNLIGHTS	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:28	B134	SALON DECORATIVE LTS	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:29	B131	LOBBY PENDANTS	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:30	B129	CORRIDOR LIGHTS	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:31	B129	CORRIDOR LIGHTS EM	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:32	B124	CONFERENCE ROOM	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:33	B124	CONFERENCE ROOM PENDANTS	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:34	B117	CHAPEL/ACTIVITY	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:35	B117	CHAPEL/ACTIVITY PENDANTS	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:36	B117	CHAPEL/ACTIVITY SCONCES	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:37	B117	CHAPEL/ACTIVITY ACCENT	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:38	B117	CHAPEL/ACTIVITY EM	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:39	B107	LOUNGE	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:40	B107	LOUNGE PENDANT/SCONCE	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:41	B107	LOUNGE EM	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:42	B101	SPA	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:43	B101	SPA EM	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:44	B125	REHAB	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:45	B125	REHAB EM	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:46	B109	STAFF BREAK RM	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:47	B109	STAFF BREAK RM EM	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:48	B108	CORRIDOR	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1
1:49	B108	CORRIDOR EM	LED	120	0-10V DIM	P2RL,OS	VAC ONLY	P2RL	80%	MAN/AUTO	P2RL/OS	30 MIN	DISABLE	100	0	ALL	N/A	1

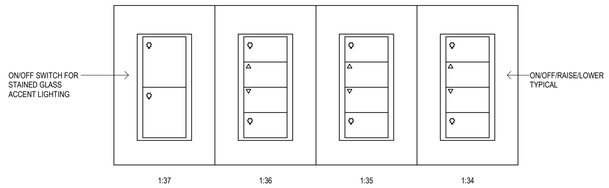
NOTES:
1. PROGRAM ALL OCCUPANCY SENSORS WITH SAME CONTROL POINT TOGETHER.
2. CONTROL FOR EMERGENCY LIGHTS. LIGHTS SHALL BE CONTROLLED SAME AS NORMAL POWER LIGHTS IN SPACE AND GO TO FULL BRIGHTNESS DURING A POWER OUTAGE.
3. SCHEDULE FOR CORRIDOR SHALL BE M-F TIME CLOCK CONTROL TO BE ON FROM 7:00 AM TO 8:00 PM, OCCUPANCY SENSOR CONTROL FOR AFTER HOURS AND WEEKENDS.
4. WHEN UNOCCUPIED, LIGHTS SHALL DIM TO 10%.



3 SWITCH 'A' DETAIL - DINING ROOM
NOT TO SCALE



2 LIGHTING CONTROL SWITCH DETAIL
NOT TO SCALE



4 SWITCH 'b' DETAIL - CHAPEL
NOT TO SCALE

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/2024-24 Pelican Valley Senior Living_Dec25.rvt
1/28/2025 3:06:30 PM

E

Pelican Valley Senior Living Renovation
211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101
woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7927 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

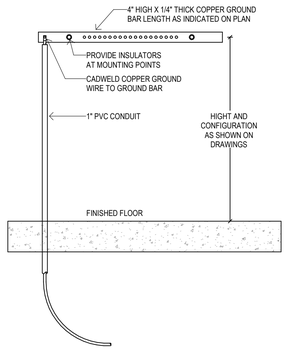
Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

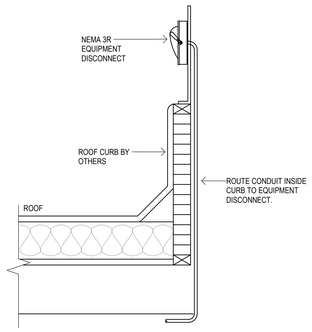
LIGHTING CONTROL SCHEDULE & DETAILS

E7.02

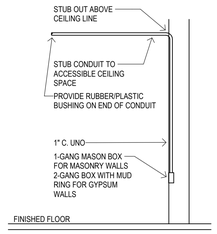
MN



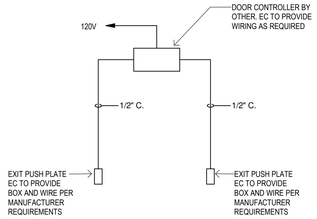
4 GROUND BAR DETAIL
NOT TO SCALE



3 CONDUIT FOR ROOF MOUNTED EQUIPMENT DETAIL
NOT TO SCALE



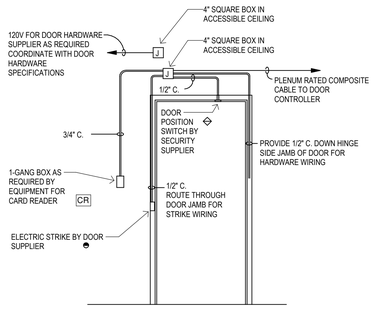
2 COMMUNICATION DEVICE ROUGH-IN DETAIL
NOT TO SCALE



NOTE: REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF PUSH PLATE OPERATORS

ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL WIRING AND MAKE CONNECTIONS AS REQUIRED BY EQUIPMENT MANUFACTURER

1 ADA DOOR ROUGH-IN DETAIL
NOT TO SCALE



NOTE: COORDINATE REQUIREMENT WITH DOOR HARDWARE AND GENERAL CONTRACTOR. ELECTRICAL AND/OR SECURITY CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED WIRING FOR DOOR COMPONENTS AND HARDWARE FOR COMPLETE SYSTEM.

5 DOOR ACCESS CONTROL ROUGH-IN DETAIL
NOT TO SCALE

E

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/E8.01 Pelican Valley Senior Living_24vPD22.rvt
1/28/2025 3:56:30 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

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 **Reg State**

JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

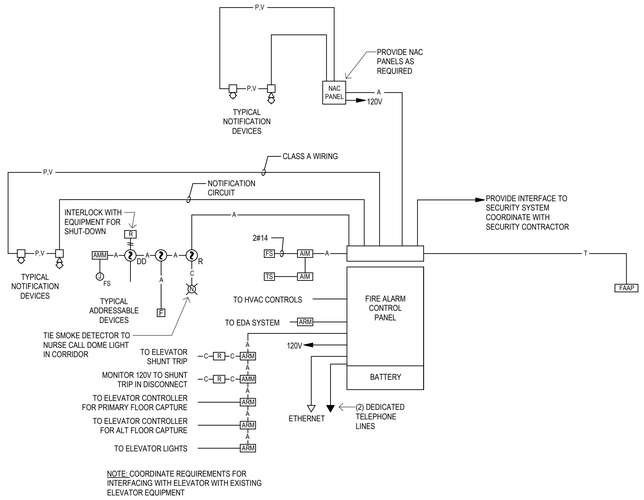
Revisions		
Description	Date	Num

Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

DETAILS

E8.01

MN



5 FIRE ALARM RISER
NOT TO SCALE

FIRE ALARM WIRING LEGEND

ID	CONDUCTORS	CIRCUIT TYPE
A	2#18 TS	ADDRESSABLE
C	2#14	OTHER
D	2#14	DOOR HOLDER
L	4#14	REMOTE LED TEST SWITCH
P	2#14	POWER CIRCUIT
R	2#14	RELAY CIRCUIT
S	2#18 TS PLENUM	SPEAKER CIRCUIT
T	2#18 TS	REMOTE UNIT INTERFACE
V	2#14	VISUAL CIRCUIT

FIRE ALARM SYSTEM NOTES

SYSTEM SUPPLIER SHALL PROVIDE ACCURATE WIRING DIAGRAMS ACCOUNTING FOR CIRCUIT LOADING AND VOLTAGE DROP.

NAC PANELS ARE DIAGRAMMATIC ONLY. FIRE ALARM SUPPLIER SHALL PROVIDE QUANTITY OF NAC PANELS AS REQUIRED FOR DEVICES. PROVIDE LOAD CALCULATIONS AND BATTERY CALCULATIONS WITH SHOP DRAWINGS.

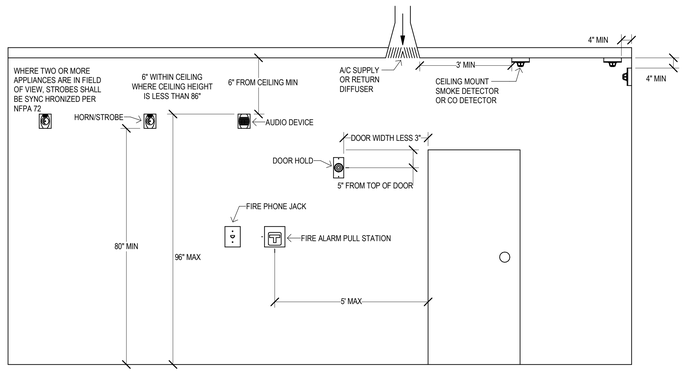
PROVIDE ALL DEVICES AND WIRING AS REQUIRED TO COMPLY WITH NFPA 72, IFC, AND LOCAL CODES. LOCAL CODE REQUIREMENTS SUPERSEDE MINIMUM REQUIREMENTS SHOWN.

PROVIDE ALL REQUIRED WIRING AND INTERFACE TO MONITOR FIRE/SMOKE DAMPERS. REFER TO PLAN DRAWINGS FOR LOCATIONS.

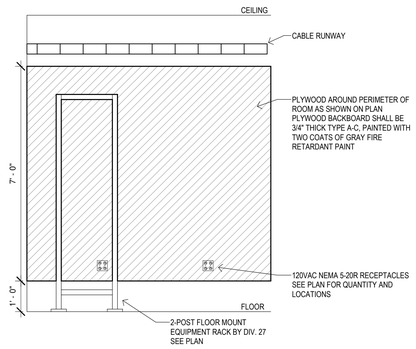
● PERFORM OPERATION/REPORT DEVICE STATUS

SYSTEM INPUTS
FIRE ALARM SIGNALS

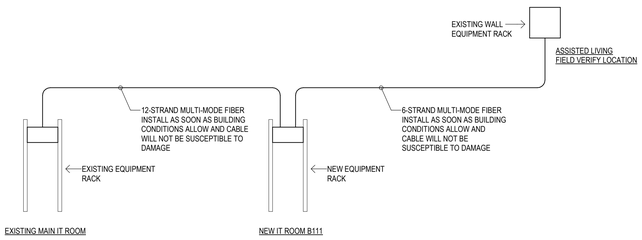
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	ALARM (FACP AND FAAP)	SUPERVISORY (FACP AND FAAP)	TROUBLE (FACP AND FAAP)	ALARM SILENCE (FACP AND FAAP)	TRANSMIT SUPERVISORY (UNIVERSAL FIELD DEVICE WITH MINI-COM MODULE)	TRANSMIT SUPERVISORY (FIELD DEVICE TO MONITOR MODULE TO STATION)	TRANSMIT TROUBLE (FIELD DEVICE TO MONITOR MODULE TO STATION)	ACTIVATE EXTERIOR SPEAKER STROBE (SPEAKER STROBE RESPONSE)	ACTIVATE EXTERIOR SPEAKER STROBE (MULTI-MESSAGE SPEAKER STROBE RESPONSE)	SEND DATA TO A SPEAKER (MULTI-MESSAGE)	ACTIVATE FIRE ALARM DAMPER (FIELD DEVICE WITH DUAL MONITOR MODULE PROVIDED ON EXPOSED SIDE)	ACTIVATE SMOKE DAMPER (FIELD DEVICE WITH DUAL MONITOR MODULE PROVIDED ON EXPOSED SIDE)		
MANUAL PULL STATION	●	●					●	●						
SMOKE OR HEAT DETECTOR	●	●		●			●	●					●	
WATERFLOW SWITCH	●						●	●						
VALVE TAMPER SWITCH		●			●									
DUCT DETECTOR		●		●	●				●					
FA TROUBLE CONDITIONS (OPEN, SHORT, GROUND)			●			●								
ALARM SILENCE (FACP OR FAAP)			●			●		●						



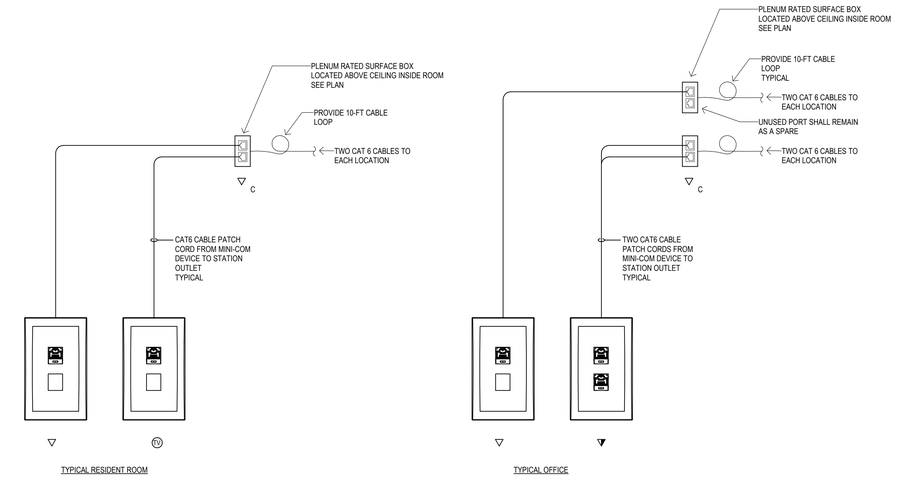
2 FIRE ALARM DEVICE MOUNTING HEIGHT DETAIL
NOT TO SCALE



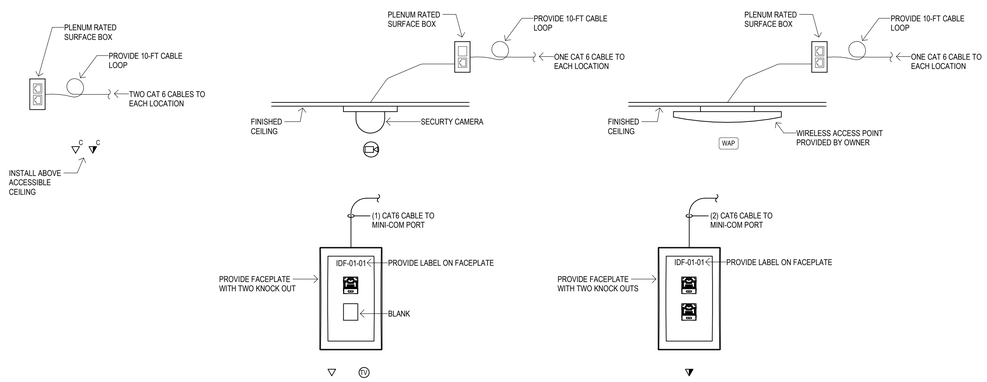
6 IT ROOM DETAIL
NOT TO SCALE



4 FIBER RISER DIAGRAM
NOT TO SCALE



3 SECURITY CAMERA/TELEPHONE/DATA FACEPLATE DETAIL
NOT TO SCALE



1 SECURITY CAMERA/TELEPHONE/DATA FACEPLATE DETAIL
NOT TO SCALE

E

Activate Docs:246039 - Pelican Valley Senior Living Renovation\E9.01 for Pelican Valley Senior Living_R24.05.rvt
1/28/2025 3:08:31 PM

Pelican Valley Senior Living Renovation

211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

Pelican Valley Senior Living

WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24
© 2024 by JB Electrical Design, PC

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 **Reg State**

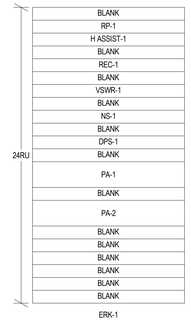
JEFFREY A. BLAKE
License Number: **41083** Date **Issue Date**

Revisions		
Description	Date	Num

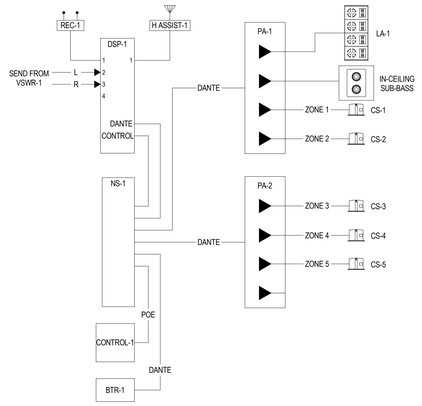
Comm: **246039**
Date: **01/28/25**
Drawn: **KS/JB**
Check: **JAB**

SYSTEMS DETAILS

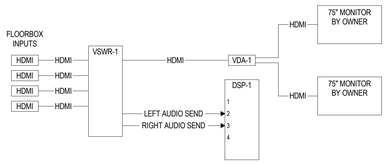
E9.01



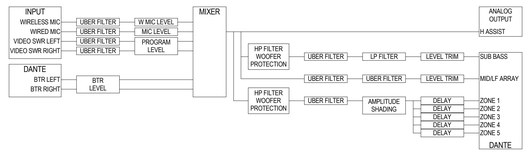
10 A/V RACK ELEVATION
NOT TO SCALE



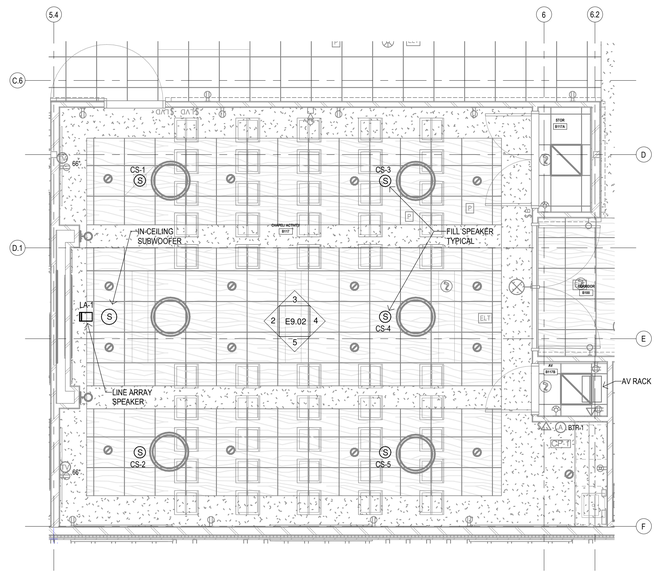
7 AUDIO FLOW ONE-LINE
NOT TO SCALE



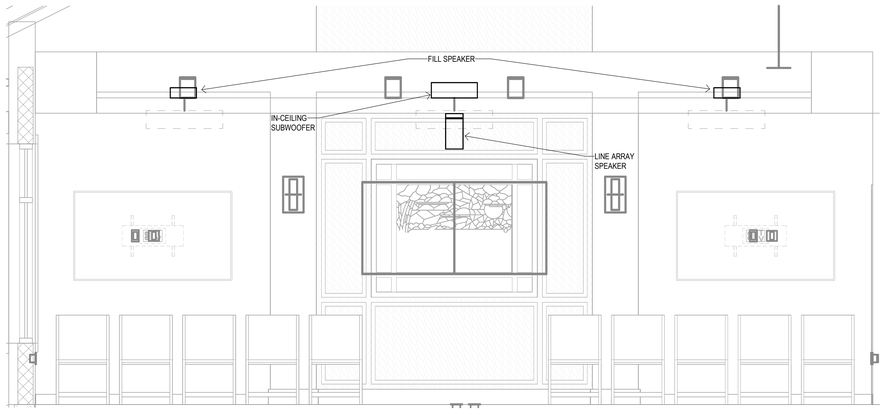
9 VIDEO FLOW ONE-LINE
NOT TO SCALE



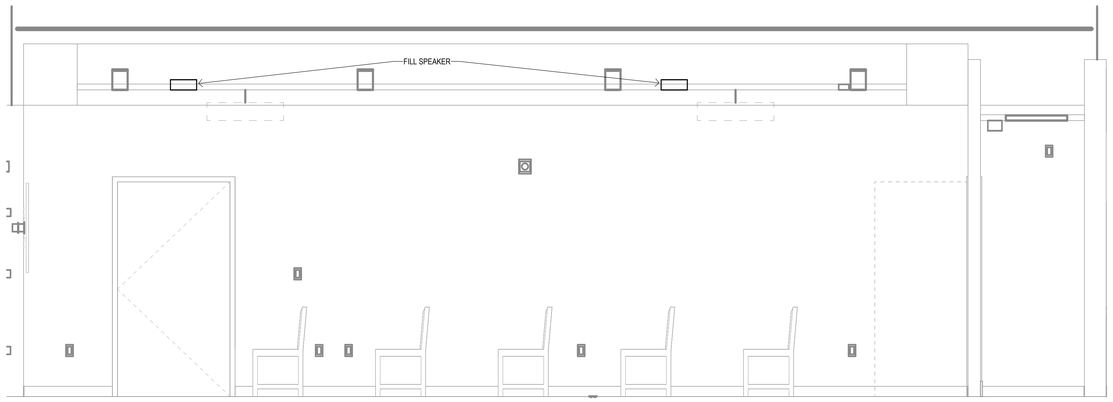
8 DSP PROFILE ONE-LINE
NOT TO SCALE



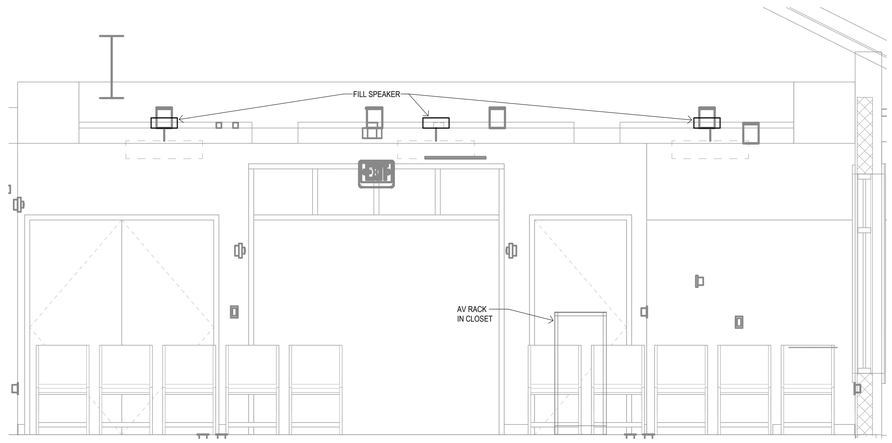
1 FIRST FLOOR PLAN - AREA B - CHAPEL SOUND SYSTEM
1/4" = 1'-0"



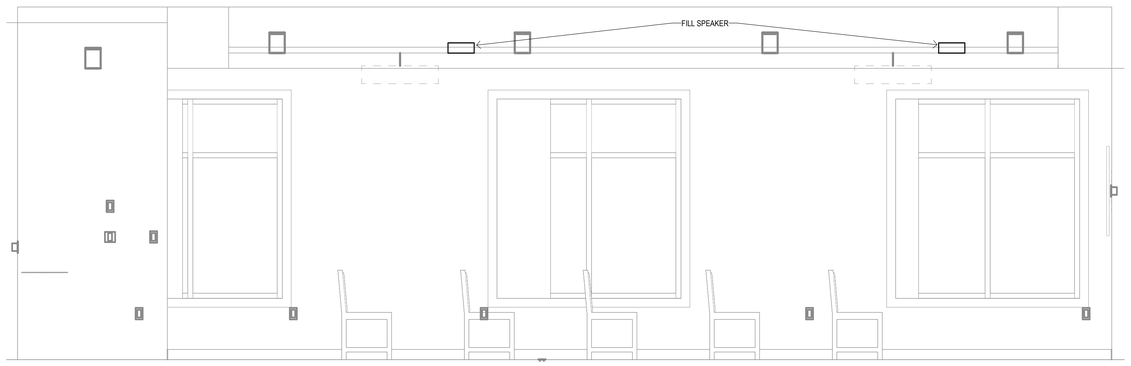
2 CHAPEL FRONT
1/2" = 1'-0"



3 CHAPEL PLAN NORTH
1/2" = 1'-0"



4 CHAPEL BACK
1/2" = 1'-0"



5 CHAPEL PLAN SOUTH
1/2" = 1'-0"

Pelican Valley Senior Living Renovation
211 East Mill Ave,
Pelican Rapids, MN 56572

2024-24

Pelican Valley Senior Living

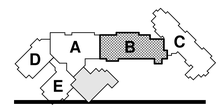
WOLD ARCHITECTS AND ENGINEERS
332 Minnesota Street, Suite W2000
Saint Paul, MN 55101

woldac.com | 651 227 7773

MARTIN MECHANICAL DESIGN INC
FARGO GRAND FORKS PARK RAPIDS
701-293-7907 | MARTINMECH.COM

JB Electrical Design, P.C.
Electrical Consulting Engineers
6885 Sycamore Ln N, Suite 210
Maple Grove, MN 55369
763.486.0965
jeff@jbelectricaldesign.com
JBED Proj. No. 2024-24

© 2024 by JB Electrical Design, PC



KEY PLAN
FIRST FLOOR

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

JEFFREY A. BLAKE
License Number: 41083 Date Issue Date

Revisions		
Description	Date	Num

Comm: 246039
Date: 01/28/25
Drawn: KS/JB
Check: JAB

CHAPEL SOUND SYSTEM

Scale: As indicated

E9.02

Autodesk Docs://246039 - Pelican Valley Senior Living Renovation/2024-24 Pelican Valley Senior Living_Dec2022.rvt
1/28/2025 3:04:36 PM

E