ILSLEY PUBLIC LIBRARY

75 Main St, Middlebury, VT

ISSUED FOR CONSTRUCTION
1.24.25



NUMBER	SHEET NAME
CIVIL	
C1.01	EXISTING AND DEMOLITION SITE PLAN
C1.02	PROPOSED SITE PLAN
C2.01	PROFILES
C4.01	ENLARGED GRADING PLAN
C5.01	NOTES AND DETAILS
C5.02	NOTES AND DETAILS
C5.03	NOTES AND DETAILS
LANDSCAPE	
L1.00	MATERIALS PLAN – GROUND LEVEL
L2.00	SITE DETAILS – IMAGE
L3.00	PLANTING PLAN – GROUND LEVEL
L3.01	PLANTING DETAILS
STRUCTURAL	
S0.01	GENERAL NOTES
S0.02	GENERAL NOTES
S0.03	SPECIAL INSTRUCTIONS
S1.01	BASEMENT FOUNDATION PLAN
S1.02	LEVEL 1 FOUNDATION PLAN
S1.025	LEVEL 1 SLAB ON GRADE PLAN
S1.03	LEVEL 2 FRAMING PLAN
S1.04	ROOF FRAMING PLAN
S1.05	EXISTING ATTIC FLOOR FRAMING
S1.06	SITE FOUNDATION PLAN & DETAILS
S2.00	TYPICAL FOUNDATION DETAILS
S2.01	TYPICAL FOUNDATION DETAILS
S2.02	FOUNDATION DETAILS
S2.03	FOUNDATION DETAILS
S2.04	FOUNDATION DETAILS
S5.00	TYPICAL WOOD FRAMING DETAILS
S5.01	TYPICAL STEEL FRAMING DETAILS
S5.02	TYPICAL STEEL FRAMING DETAILS
S5.03	TYPICAL SHEAR WALL & CLT WALL DETAILS
S5.04	LEVEL 2 FRAMING DETAILS
S5.05	LEVEL 2 FRAMING DETAILS
S5.06	ROOF FRAMING DETAILS
S5.07	ROOF FRAMING DETAILS
S4.01	BRACING AND FRAMING ELEVATIONS
S4.02	BRACING DETAILS
S4.03	BRACING ANCHORAGE DETAILS
S4.04	LMP GIRT ELEVATIONS
S4.05	LMP GIRT DETAILS
S4.06	SLIDING PARTITION ELEVATION AND DETAILS
ARCHITECTURAL	
AD1.00	EXT'G BASEMENT DEMO PLAN
AD1.01	EXT'G LEVEL 1 DEMO PLAN
AD1.02	EXT'G LEVEL 2 FLOOR DEMO PLAN
AD1.03	ATTIC DEMO PLAN
A0.01	GENERAL NOTES
A0.10	CODE REVIEW
A0.11	OCCUPANCY & EGRESS DIAGRAMS
A0.12	FIRE RESISTANCE RATING DIAGRAMS
A0.13	EXTERIOR WALLS & INTERIOR PARTITION TYPES
A0.14	HORIZONTAL ASSEMBLIES
A0.15	DIMENSION PLAN – LEVEL 1
A1.00	BASEMENT – FLOOR PLAN
A1.01	LEVEL 1 & EXT'G LEVEL 1 – FLOOR PLAN
A1.02	LEVEL 2 FLOOR PLAN & ATTIC FLOOR PLAN
A1.03	ROOF PLAN
A1.04	BUILDING EXPANSION JOINT KEY PLAN
A2.00	BUILDING ELEVATIONS
A2.01	BUILDING ELEVATIONS
A2.02	EXTERIOR WALL ELEVATIONS
A2.03	EXTERIOR WALL ELEVATIONS
A2.04	BUILDING AXONS
A3.10	BUILDING SECTIONS
A3.11	BUILDING SECTIONS
A3.12	BUILDING SECTIONS

NUMBER	SHEET NAME
A3.13	BUILDING SECTIONS
A3.20	WALL SECTIONS
A3.21	WALL SECTIONS
A3.22	WALL SECTIONS
A3.23	WALL SECTIONS
A3.32	SECTION DETAILS – WALLS & ROOF
A3.33	SECTION DETAILS – ROOF
A3.35	SECTION DETAILS – ROOF
A3.36	SECTION DETAILS – ROOF
A3.37	SECTION DETAILS – ROOF
A3.50	WEST ELEV DETAILS – LEVEL 1 – EXTERIOR
A3.51	PLAN DETAILS – LEVEL 1 – EXTERIOR
A3.52	EXTERIOR PLAN DETAILS @ WT-01
A3.53	PLAN DETAILS – LEVEL 2 – EXTERIOR
A3.54	PLAN DETAILS – LEVEL 2 – EXTERIOR
A3.55	PLAN DETAILS – ROOF & MISC
A3.56	PLAN DETAILS – INTERIOR DETAILS
A4.00	STAIR A PLANS
A4.01	STAIR A SECTIONS
A4.02	STAIR A DETAILS
A4.03	STAIR A DETAILS
A4.04.1	ELEVATOR PLAN AND SECTIONS
A4.04.2	ELEVATOR DETAILS
A4.05	STAIR B PLANS & SECTIONS
A4.06	STAIR C PLANS & SECTIONS
A4.08	STAIRS B & C DETAILS
A4.09	EXTERIOR STAIRS & LANDSCAPE FEATURES – PLANS & SECTIONS
A4.10	EXTERIOR STAIRS & LANDSCAPE FEATURES – DETAILS
A4.11	WELCOME DESK ENLARGED PLAN & ELEVATIONS
A4.12	STAFF WORK AREA ENLARGED PLANS & ELEVATIONS
A4.13	BATHROOM ENLARGED PLANS & ELEVATIONS
A4.14	COMMUNITY ROOM ENLARGED PLANS & ELEVATIONS
A4.15	CHILDREN'S COLLECTION ENLARGED PLAN
A4.16	CHILDREN'S COLLECTION ELEVATIONS
A4.17	ATRIUM INTERIOR ELEVATIONS & DETAILS
A4.18	RECONSTRUCTED BULKHEAD DETAILS
A4.19	MAIN STREET INTERIOR ELEVATIONS
A4.20	BOOK PROCESSING, STAFF BRK RM & TLT ENLARGED PLAN & ELEVS.
A4.21	MCTV M.S., H.S. & ADULT GATHERING ENLARGED PLANS
A4.22	ADULT COLLECTION INTERIOR ELEVATIONS
A4.30	EXT'G BUILDING ENGLARGED PLANS
A4.31	EXT'G BUILDING INTERIOR ELEVATIONS
A5.01	DOOR SCHEDULE & ELEVATIONS
A5.02	DOOR FRAME & PANEL SCHEDULES
A5.04	EXTERIOR STOREFRONT DOOR AND WINDOW DETAILS
A5.05	EXTERIOR DOOR DETAILS
A5.06	EXTERIOR SLIDING DOOR DETAILS
A5.07	EXTERIOR WINDOW DETAILS
A5.08	EXTERIOR WINDOW DETAILS
A5.09	INT WOOD GLAZING ASSEMBLIES & GLASS PARTITION ELEVATIONS
A5.10	INTERIOR DETAILS – HEAD, JAMB, & SILL @ DOORS
A5.11	INTERIOR DETAILS – HEAD, JAMB, & SILL @ WD WINDOW AND DOOR
A5.12	INTERIOR DETAILS @ GLASS PARTITIONS
A6.00	BASEMENT FINISH PLAN & SCHEDULE
A6.01	LEVEL 1 FINISH PLAN & SCHEDULE
A6.02	LEVEL 2 FINISH PLAN & SCHEDULE
A7.00	BASEMENT & EXT'G BASEMENT LEVEL RCP
A7.01	LEVEL 1 & EXT'G LEVEL 1 – RCP
A7.02	LEVEL 2 – RCP
A8.01	MILLWORK DETAILS
A8.02	MILLWORK DETAILS
FIRE PROTECTION	
FP-1	SITE PLAN & DETAILS FIRE PROTECTION
FP-2	BASEMENT FIRE PROTECTION
FP-3	LEVEL 1 FIRE PROTECTION
FP-4	LEVEL 2 FIRE PROTECTION

NUMBER	SHEET NAME
PLUMBING	
P1	PLUMBING DEMOLITION PLANS
P2	PLUMBING DEMOLITION PLANS
P3	PLUMBING WASTE & VENT BASEMENT PLAN
P4	PLUMBING WASTE & VENT LEVEL 1 PLAN
P5	PLUMBING WASTE & VENT LEVEL 2 PLAN
P6	PLUMBING WASTE & VENT ATTIC PLAN
P7	PLUMBING DOMESTIC WATER BASEMENT PLAN
P8	PLUMBING DOMESTIC WATER LEVEL 1 PLAN
P9	PLUMBING COMESTIC WATER LEVEL 2 PLAN
P10	PLUMBING DETAILS
P11	PLUMBING DETAILS
MECHANICAL	
M1	MECHANICAL DEMOLITION PLANS
M2	MECHANICAL DEMOLITION PLANS
M3	MECHANICAL AIR DISTRIBUTION BASEMENT PLAN
M4	MECHANICAL AIR DISTRIBUTION LEVEL 1 PLAN
M5	MECHANICAL AIR DISTRIBUTION LEVEL 2 PLAN
M6	MECHANICAL AIR DISTRIBUTION ATTIC PLAN
M7	MECHANICAL AIR DISTRIBUTION ROOF PLAN
M8	MECHANICAL PIPING BASEMENT PLAN
M9	MECHANICAL PIPING LEVEL 1 PLAN
M10	MECHANICAL PIPING LEVEL 2 PLAN
M11	MECHANICAL PIPING ATTIC PLAN
M12	MECHANICAL ENLARGED BASEMENT PLAN
M13	MECHANICAL DETAILS
M14	MECHANICAL DETAILS
M15	MECHANICAL SCHEDULES
M16	MECHANICAL SCHEDULES

NUMBER	SHEET NAME
ELECTRICAL	
ED1.0	ELECTRICAL DEMOLITION
E1.0	ELECTRICAL SITE PLAN
E1.1	ELECTRICAL POWER SITE RISER DIAGRAM
E1.2	ELECTRICAL TELECOM SITE RISER DIAGRAM
E2.0	ELECTRICAL ONE LINE DIAGRAM
E2.1	ELECTRICAL PANEL SCHEDULES
E3.0	ELECTRICAL LIGHTING BASEMENT
E3.1	ELECTRICAL LIGHTING LEVEL 1
E3.2	ELECTRICAL LIGHTING LEVEL 2
E4.0	ELECTRICAL POWER & SIGNAL BASEMENT
E4.1	ELECTRICAL POWER & SIGNAL LEVEL 1
E4.2	ELECTRICAL POWER & SIGNAL LEVEL 2
E4.3	ELECTRICAL ATTIC & ROOF PLAN
E5.1	ELECTRICAL LUMINAIRE SCHEDULE
E5.2	ELECTRICAL LIGHTING CONTROLS
E6.1	ELECTRICAL SCHEDULES
E7.1	ELECTRICAL DIAGRAMS

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN:
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

PRINTED: 1/24/2025 2:47:55 PM FILENAME: C:\Users\jbarnett\Documents\20230118_ILSLEY PUBLIC LIBRARY_R24_CD_JBARNETT222.rvt

GENERAL NOTES

1. THESE PLANS ARE BASED ON A TOPOGRAPHIC SURVEY CONDUCTED WITH A TWO SECOND TOTAL STATION ON 11/16/2023 BY OTTER CREEK ENGINEERING, INC.

2. IN THE PREPARATION OF THESE PLANS, DATA FROM THE FOLLOWING SOURCES WAS INCORPORATED:

   A. SURVEY PLAT TITLED "SURVEY OF A PORTION OF LANDS OF THE VILLAGE OF MIDDLEBURY "ILSLEY LIBRARY", (INCLUDING TOPOGRAPHICAL SPOT ELEVATIONS), SOUTH EASTERLY OF MAIN STREET, MIDDLEBURY, ADDISON COUNTY, VERMONT", PREPARED BY SHORT SURVEYING, INC., MIDDLEBURY, VERMONT, DATED JUNE 7, 2023.

   B. GAS MAIN LOCATION IS BASED ON DIG-SAFE MARKINGS LOCATED BY OTTER CREEK ENGINEERING, INC. ON 10/15/2024.

   C. PLANS TITLED "TOWN OFFICE BUILDING, TOWN OF MIDDLEBURY, MIDDLEBURY, VERMONT", PREPARED FOR BREADLOAF ARCHITECTS PLANNERS BUILDERS, MIDDLEBURY, PREPARED BY OTTER CREEK ENGINEERING, INC, EAST MIDDLEBURY, VERMONT, DATED 8/15/2016, RECORD DRAWING.

   D. PLANS TITLED "TOWN OF MIDDLEBURY, CROSS STREET BRIDGE, BAKERY LANE AREA, SEWER AND WATER IMPROVEMENTS, MIDDLEBURY, VERMONT", PREPARED BY PHELPS ENGINEERING, INC., MIDDLEBURY, VERMONT, DATED 5/28/2010, RECORD DRAWING.

   E. PLAN TITLED "CROSS STREET BRIDGE PROJECT, BOUNDARY PLAN OF MAP 24 LOTS 251, 252, 253, 254, AND A PORTION OF LOT 255, MIDDLEBURY, VERMONT, PLAN OF LAND", PREPARED BY VANASSE HANGEN BRUSTLIN, INC., NORTH FERRISBURGH, VERMONT, DATED 8/30/2011, REVISED 2/11/2015.

3. ELEVATION IS BASED ON NAVD 88.

4. COORDINATE SYSTEM IS BASED ON VERMONT STATE PLANE NAD 83, US SURVEY FEET.

5. REFER TO LEGEND LOCATED ON THIS SHEET FOR SYMBOL DESIGNATIONS.

6. ALL UNDERGROUND UTILITIES ARE SHOWN AS APPROXIMATE LOCATIONS.

7. FOR CLARITY, OVERHEAD LINES ARE NOT SHOWN.

8. THIS IS NOT A BOUNDARY SURVEY.

9. CONTRACT DOCUMENTS AND TECHNICAL SPECIFICATIONS ACCOMPANY THESE PLANS AND ARE ESSENTIAL FOR CONSTRUCTION OF THIS PROJECT.

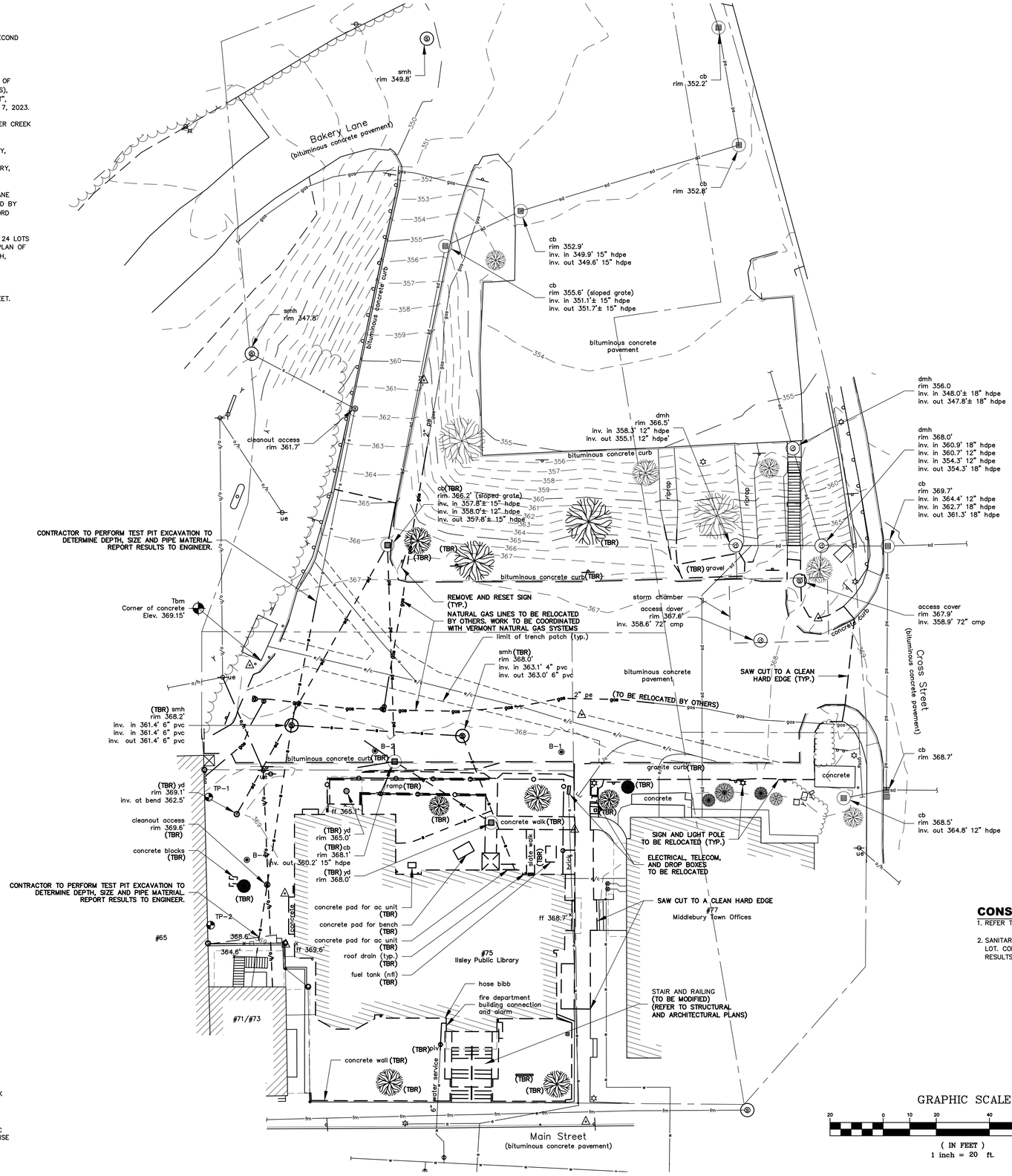
LEGEND

- boundary line/r.o.w.
- easement
- road/parking/drive (paved)
- road/parking/drive (gravel)
- tree line/hedge row
- 1 foot contour
- 100 5 foot contour
- stone wall
- u underground electric
- o/h overhead utility
- t underground telephone
- gas gas main
- sd storm drain
- w water main
- s sanitary sewer
- fm sewer force main
- lp liquid propane
- signs
- light pole
- utility pole
- guy
- gv gate valve
- cs curb stop
- hydrant
- iron pipe found
- catch basin
- drain manhole
- sewer manhole
- deciduous tree
- coniferous tree
- shrub, bush
- stump
- 1 traverse station
- TBM 1 temporary benchmark
- 100 FINISH GRADE
- STORM DRAIN
- CATCH BASIN
- WATER MAIN
- WATER SERVICE
- HYDRANT ASSEMBLY
- GATE VALVE
- REDUCER
- CS CURB STOP
- SANITARY SEWER
- SEWER MANHOLE

NOTE:
TEXT DENOTING EXISTING ITEMS IS SHOWN IN LOWER CASE, AND TEXT DENOTING PROPOSED ITEMS IS UPPERCASE AND BOLD.

ABBREVIATIONS

CI	– CAST IRON	MH	– MANHOLE
CB	– CATCH BASIN	MJ	– MECHANICAL JOINT
CL	– CLASS	NFL	– NOT FIELD LOCATED
CMP	– CORRUGATED METAL PIPE	NLTD	– NO LEDGE TO DEPTH
CS	– CURB STOP	NTS	– NOT TO SCALE
DI	– DUCTILE IRON	PVC	– POLYVINYL CHLORIDE
DMH	– DRAIN MANHOLE	ROW	– RIGHT OF WAY
FL	– FLANGE	SCH	– SCHEDULE
FM	– FORCE MAIN	SD	– STORM DRAIN
FRP	– FIBERGLASS REINFORCED PLASTIC	SMH	– SEWER MANHOLE
GPM	– GALLONS PER MINUTE	TBM	– TEMPORARY BENCHMARK
GSP	– GALVANIZED SERVICE PIPE	TBA	– TO BE ABANDONED
GV	– GATE VALVE	TBR	– TO BE REMOVED
HDPE	– HIGH DENSITY POLYETHYLENE	TMH	– TELEPHONE MANHOLE
INV	– INVERT	WMH	– WATER MANHOLE
IP	– IRON PIPE/PIN	UE	– UNDERGROUND ELECTRIC
IPF	– IRON PIPE/PIN FOUND	U.N.O.	– UNLESS NOTED OTHERWISE



CONSTRUCTION NOTES

1. REFER TO ELECTRICAL PLANS FOR PRIMARY AND SECONDARY ELECTRIC SERVICE LINE MODIFICATIONS.

2. SANITARY SEWER SERVICE FROM #71/#73 MAIN STREET IS BELIEVED TO BE ROUTED TO THE PARKING LOT. CONTRACTOR SHALL CONFIRM ROUTING PRIOR TO CONSTRUCTION COMMENCEMENT AND REPORT RESULTS TO ENGINEER.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN:CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST.
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT F. RAKOWSKI, P.E.
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT · BRENT F. RAKOWSKI · NO. 4064 · CIVIL · LICENSED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

Middlebury, Vermont

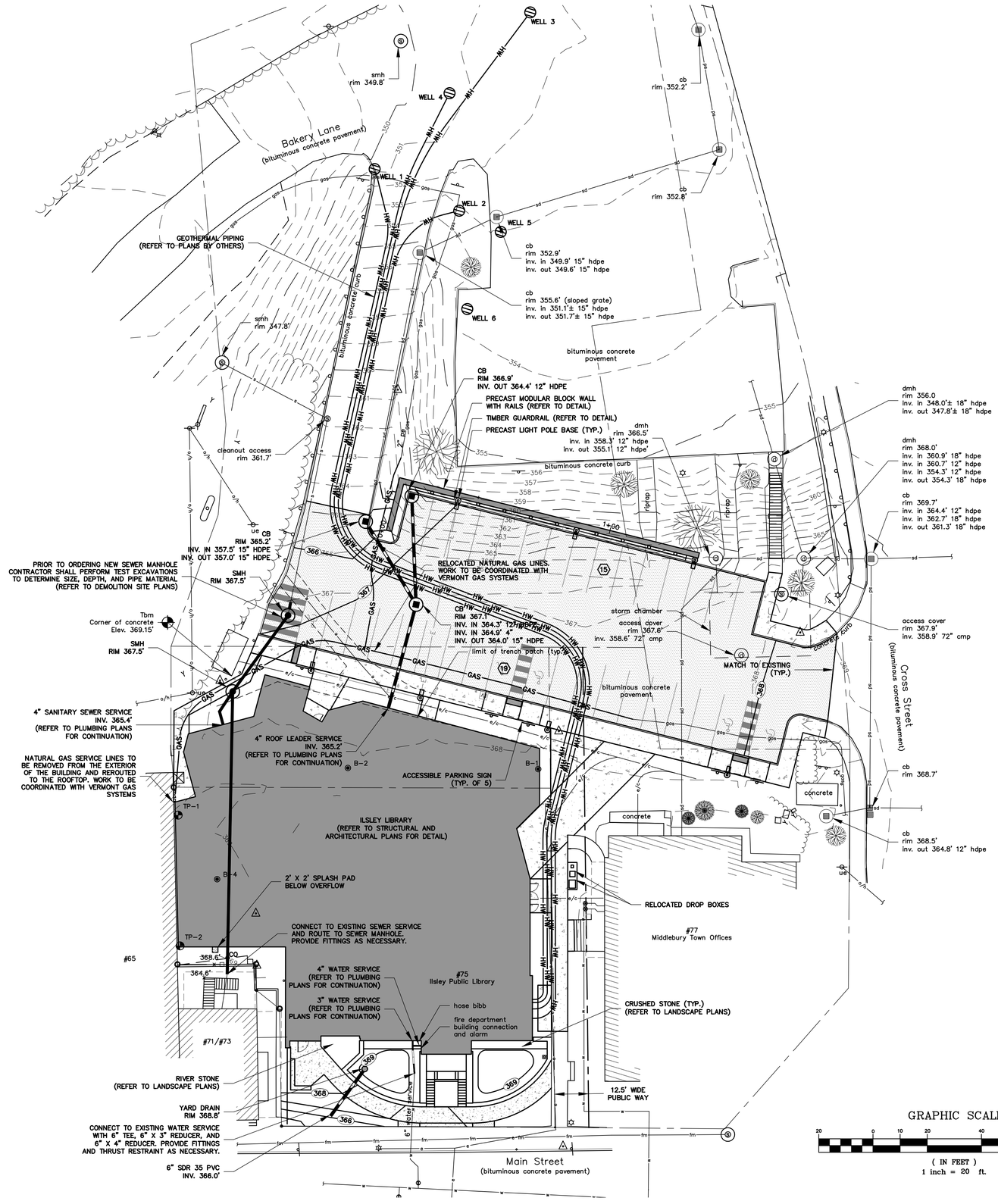
N

EXISTING AND DEMOLITION SITE PLAN

PROJECT NO.:	2023018
PROGRESS PRINT:	JANUARY 24, 2025
CHECKED BY:	BFR
DRAWN BY:	RR
SCALE:	1"=20'

C1.01

PRINTED: 1/22/2025 3:12:12 PM FILENAME: 73x502.dwg



WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN:CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST.
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT F. RAKOWSKI, P.E.
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
BRENT F. RAKOWSKI
No. 10406
CIVIL
LICENSED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

Middlebury, Vermont

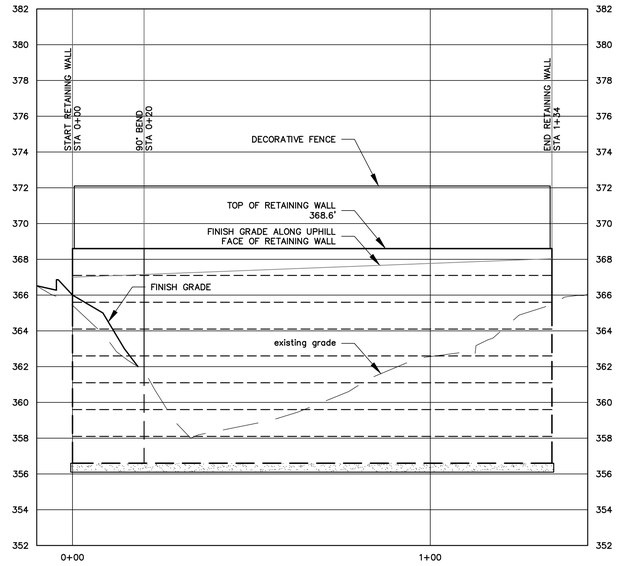
N

PROPOSED SITE PLAN

PROJECT NO:	2023018
PROGRESS PRINT:	JANUARY 24, 2025
CHECKED BY:	BFR
DRAWN BY:	RR
SCALE:	1"=20'

C1.02

PRINTED: 1/22/2025 3:11:59 PM FILENAME: 736002.dwg



PROFILE ALONG DOWNHILL FACE OF RETAINING WALL

SCALE: 1"=20' HORIZONTAL
1"=4' VERTICAL

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN:CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST.
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT F. RAKOWSKI, P.E.
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
BRENT F. RAKOWSKI
No. 7604
CIVIL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

Middlebury, Vermont

PROFILES

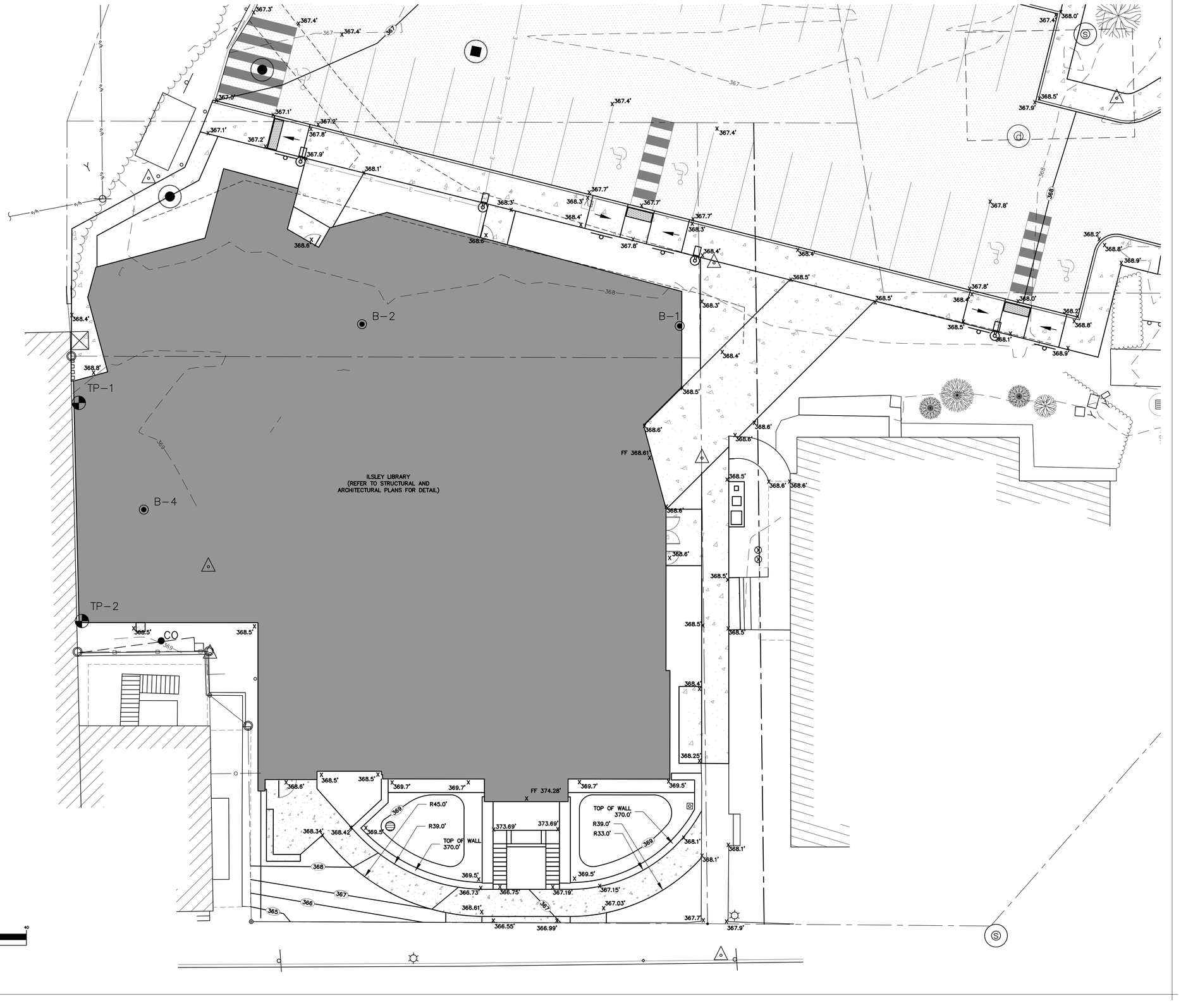
PROJECT NO:	2023018
PROGRESS PRINT:	JANUARY 24, 2025
CHECKED BY:	BFR
DRAWN BY:	RR
SCALE:	1"=20'

C2.01

PRINTED: 1/21/2025 10:25:49 AM FILENAME: 736-002.dwg

CONSTRUCTION NOTES

1. REFER TO LANDSCAPE PLANS FOR PLANTING AND SURFACE TREATMENTS/TEXTURES AND MATERIALS.



GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)
1 inch = 10 ft.

PRINTED: 1/22/2025 3:11:23 PM FILENAME: 736002.dwg

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN:CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST.
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT F. RAKOWSKI, P.E.
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
BRENT F. RAKOWSKI
NO. 082.0014783
CIVIL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

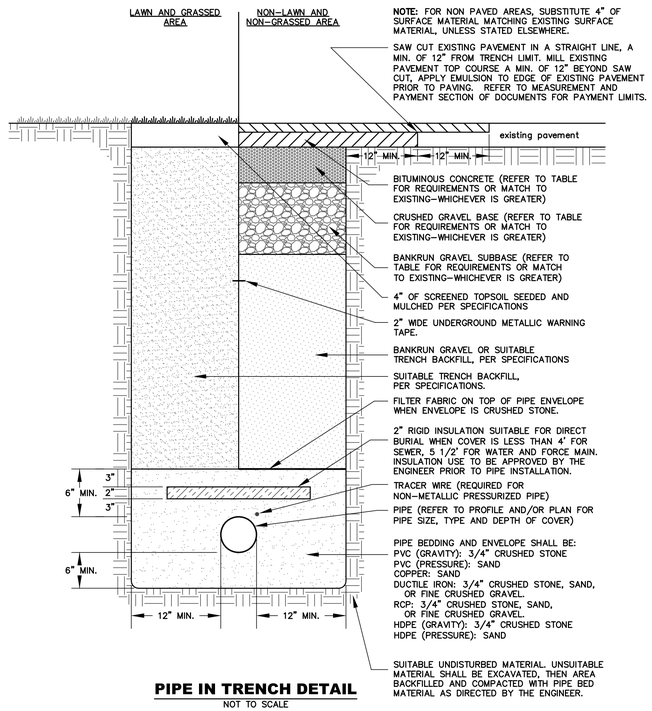
Middlebury, Vermont

N

ENLARGED GRADING PLAN

PROJECT NO:	2023018
PROGRESS PRINT:	JANUARY 24, 2025
CHECKED BY:	BFR
DRAWN BY:	RR
SCALE:	1"=10'

C4.01

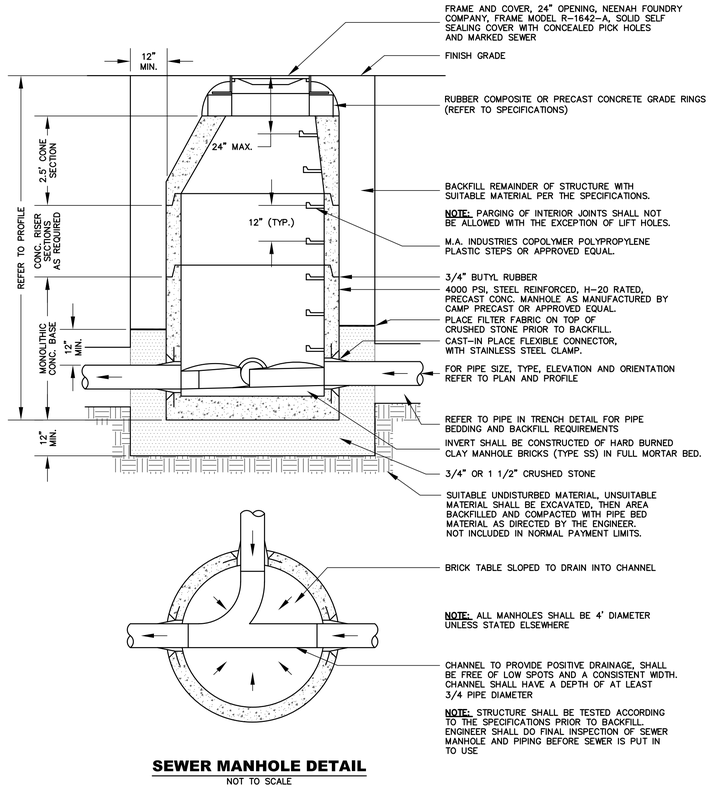


PIPE IN TRENCH DETAIL

NOT TO SCALE

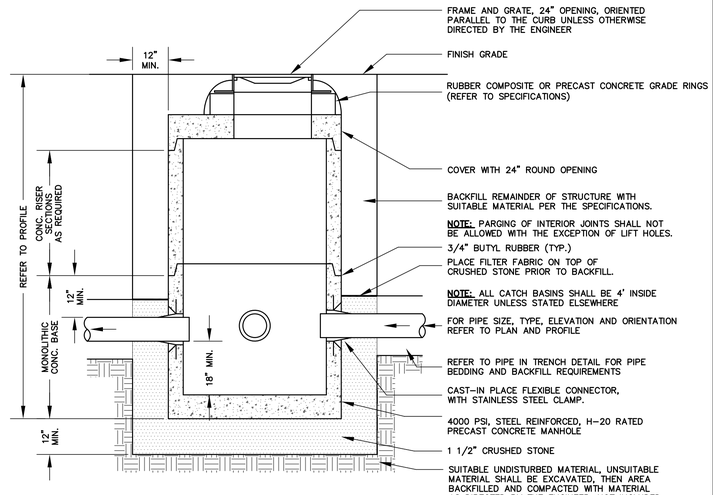
TRENCH RESTORATION TABLE

LOCATION	BITUMINOUS PAVEMENT (THICKNESS/TYPE)	CRUSHED GRAVEL BASE	BANKRUN SUBBASE
STATE VTRANS	TOP: 1.5"/TYPE 3 (1/2") BASE: 2.5"/TYPE 2 (3/4")	6"	18"
TOWN ROADS	TOP: 1.5"/TYPE 4 (3/8") BASE: 2.5"/TYPE 2 (3/4")	6"	12"
PRIVATE/DRIVE	TOP: 1.5"/TYPE 4 (3/8") BASE: 2.5"/TYPE 2 (3/4")	12"	0"



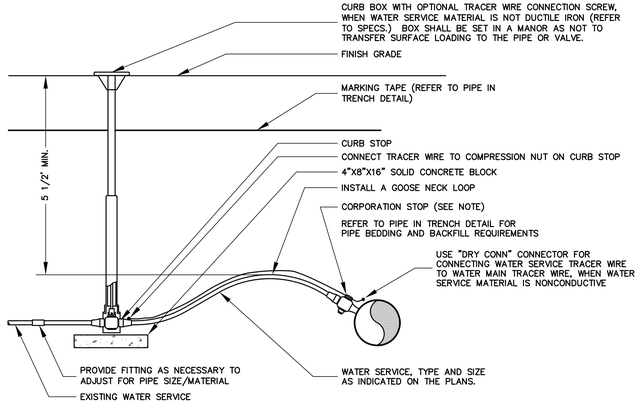
SEWER MANHOLE DETAIL

NOT TO SCALE



CATCH BASIN DETAIL

NOT TO SCALE



NOTES:
1. SADDLES SHALL BE USED WHEN TAPPING ANY MAIN OTHER THAN CL 52 DUCTILE IRON, AND WHEN THE NOMINAL SIZE ON THE CORPORATION IS GREATER THAN 1/5 THE NOMINAL DIAMETER OF THE MAIN.

2. CURB BOXES SHALL BE SET AS FOLLOWS:
   A. WHEN IN PAVED OR CONCRETE SURFACE, THE CURB BOX SHALL BE INSTALLED FLUSH TO FINISH GRADE.
   B. WHEN IN GRAVEL SURFACE, THE CURB BOX SHALL BE BURIED 2".
   C. WHEN IN A LAWN OR OTHER MOWED AREA, CURB BOX SHALL BE INSTALLED 1/2" ABOVE FINISH GRADE.
   D. WHEN IN A FIELD OR WOODS, THE CURB STOP SHALL BE INSTALLED 1/2" ABOVE FINISH GRADE AND MARKED WITH A STEEL FENCE POST.

3. WHEN SERVICE IS BEING INSTALLED AT A DEPTH LESS THAN 5 1/2 FEET, IT SHALL BE INSULATED AS SHOWN ON THE PIPE IN TRENCH DETAIL.

4. CORPORATIONS, CURB STOPS AND CURB BOXES SHALL COMPLY WITH THE MUNICIPALITY'S STANDARDS.

5. CURB STOP AND CURB BOX SHALL REST ON THE CONCRETE BLOCK.

6. CURB BOX SHALL BE SET PLUMB AND CENTERED ON THE CURB STOP.

7. CURB BOX SHALL BE LOCATED AT THE RIGHT OF WAY, OR AS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

8. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A MINIMUM OF THREE SWING TIES FOR EACH OF THE FOLLOWING: CORPORATION, CURB STOP, END OF SERVICE AND ANY OTHER FITTINGS OR BENDS INCORPORATED INTO THE SERVICE.

9. WHEN A SERVICE IS NOT GOING TO BE CONNECTED TO THE CURB STOP BY THE CONTRACTOR, AS DIRECTED BY ENGINEER INSTALL A STUB PIECE OUT OF THE CURB STOP. IF THE STUB PIECE IS LESS THAN 1 FOOT, THE CONTRACTOR SHALL CRIMP THE END TO PREVENT DIRT FROM ENTERING THE CURB STOP. IF THE STUB PIECE IS TO BE GREATER THAN 1 FOOT, THEN THE CONTRACTOR SHALL INSTALL A COMPRESSION STYLE CAP AT THE END OF THE SERVICE.

WATER SERVICE DETAIL

NOT TO SCALE

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN:CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT F. RAKOWSKI, P.E.
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190
BURLINGTON, VT 05401
802.862.0098



#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

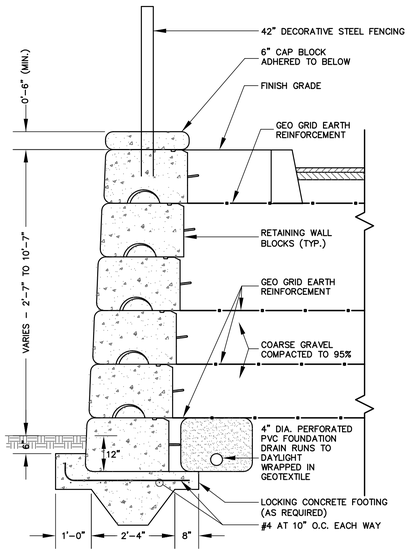
Middlebury, Vermont

NOTES AND DETAILS

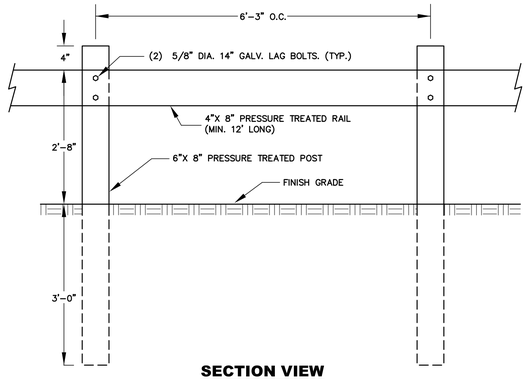
PROJECT NO:	2023018
PROGRESS PRINT:	JANUARY 24, 2025
CHECKED BY:	BFR
DRAWN BY:	RR
SCALE:	As Indicated

C5.01

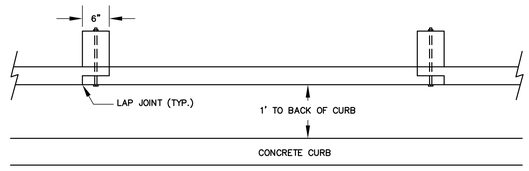
PRINTED: 1/21/2025 10:30:16 AM FILENAME: 726002 DETAILS.dwg



PRECAST MODULAR BLOCK WALL DETAIL
SCALE: 1/2" = 1'-0"

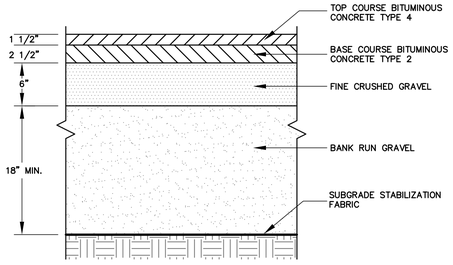


SECTION VIEW
NOT TO SCALE

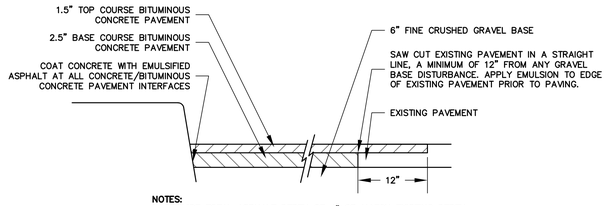


PLAN VIEW
NOT TO SCALE

TIMBER GUARDRAIL DETAIL
NOT TO SCALE



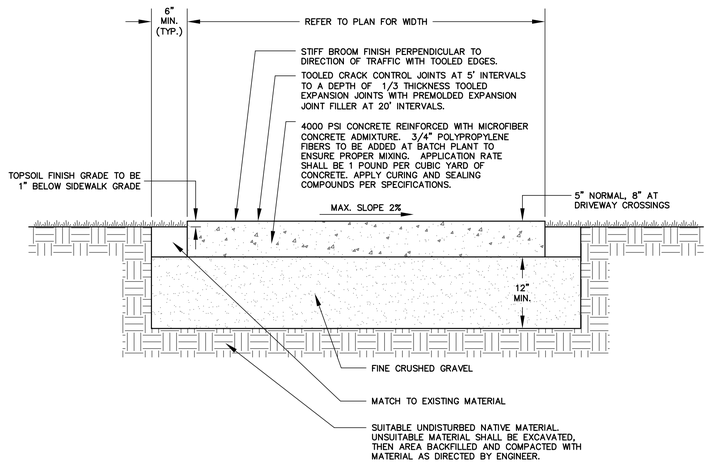
PARKING LOT DETAIL
NOT TO SCALE



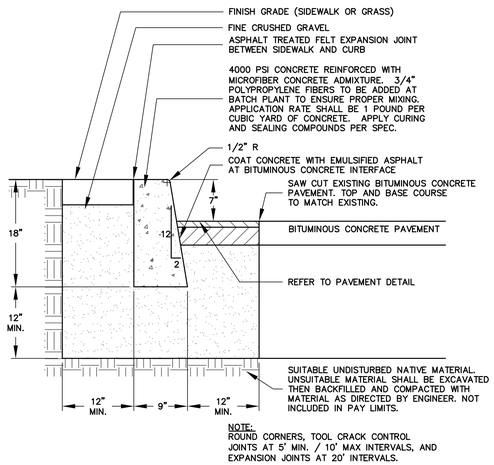
NOTES:
1. PROVIDE TOTAL ASPHALT DEPTH OF 4" OR MATCH EXISTING DEPTH WHICHEVER IS GREATER.

2. EXISTING PAVEMENT TOP COURSE SHALL BE MILLED AT LEAST 12" BEYOND PAVEMENT BASE COURSE SAW CUT TO PROVIDE A STAGGERED JOINT.

PAVEMENT PATCH DETAIL
NOT TO SCALE

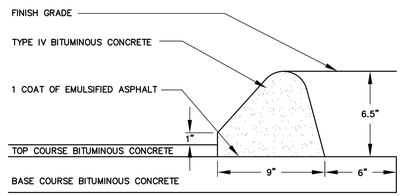


CONCRETE SIDEWALK DETAIL
NOT TO SCALE



NOTE:
ROUND CORNERS, TOOL CRACK CONTROL JOINTS AT 5' MIN. / 10' MAX INTERVALS, AND EXPANSION JOINTS AT 20' INTERVALS.

CONCRETE CURB DETAIL
NOT TO SCALE



BITUMINOUS CONCRETE CURB DETAIL
NOT TO SCALE

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN:CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT F. RAKOWSKI, P.E.
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
BRENT F. RAKOWSKI
No. 082.0023741
CIVIL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

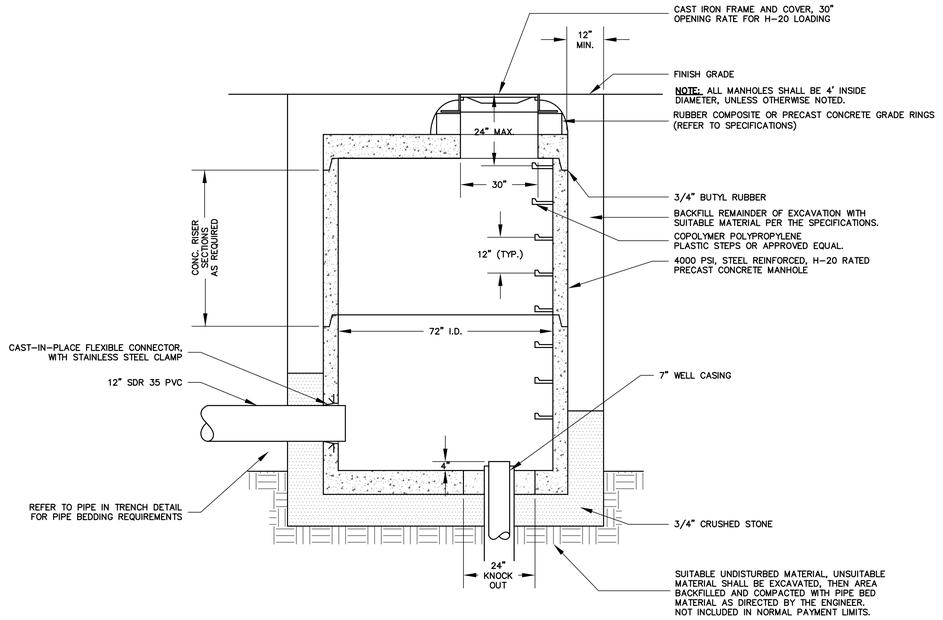
Middlebury, Vermont

NOTES AND DETAILS

PROJECT NO:	2023018
PROGRESS PRINT:	JANUARY 24, 2025
CHECKED BY:	BFR
DRAWN BY:	RR
SCALE:	As Indicated

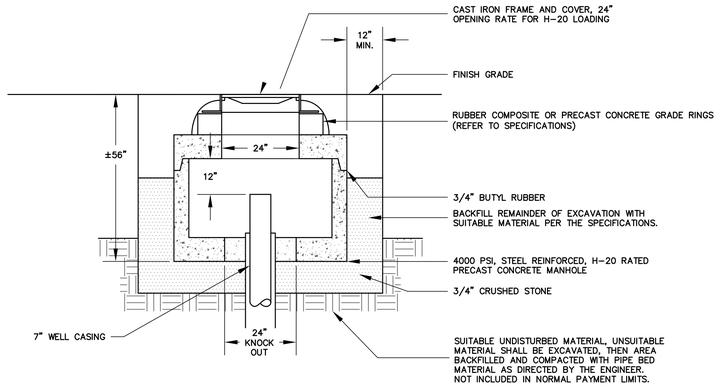
C5.02

PRINTED: 1/21/2025 10:30:51 AM FILENAME: 736002 DETAILS.dwg



INJECTION WELL DETAIL

NOT TO SCALE



PRODUCTION WELL DETAIL

NOT TO SCALE

SAFETY AND PROTECTION NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL WORK SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE, INJURY OR LOSS TO:

   A. ALL EMPLOYEES ON THE WORK SITE AND OTHER PERSONS WHO MAY BE AFFECTED.

   B. THE WORK SITE AND ALL THE MATERIALS AND EQUIPMENT TO BE INCORPORATED WHETHER IN STORAGE ON OR OFF THE SITE.

   C. OTHER PROPERTY AT THE SITE OR ADJACENT, INCLUDING BUT NOT LIMITED TO TREES, SHRUBS, LAWNS, WALKS, PAVEMENTS, ROADWAYS, STRUCTURES AND UTILITIES NOT DESIGNATED FOR REMOVAL, RELOCATION, OR REPLACEMENT IN THE COURSE OF CONSTRUCTION.

2. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND ORDERS (INCLUDING O.S.H.A. REGULATIONS) OF ANY PUBLIC BODY HAVING JURISDICTION OVER THE SAFETY OF PERSONS OR PROPERTY.

3. THE CONTRACTOR SHALL NOTIFY OWNERS OF ADJACENT PROPERTY AND UTILITIES WHEN EXECUTION OF THE WORK WILL AFFECT THEM.

4. THE CONTRACTOR'S DUTIES AND RESPONSIBILITIES FOR THE SAFETY AND PROTECTION OF THE WORK SHALL CONTINUE UNTIL SUCH TIME AS ALL THE WORK IS COMPLETED.

5. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH OCCUR BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. IF PIPELINE DAMAGES OCCUR WHICH RESULTS IN A GAS RELEASE, CONTRACTOR IS REQUIRED BY LAW TO CALL 911.

6. CONTRACTOR SHALL COORDINATE WITH DIG-SAFE (888)-344-7233 OR WWW.DIGSAFE.COM A MINIMUM OF 48 HOURS PRIOR TO PERFORMING ANY EXCAVATION.

7. AT THE CLOSE OF EACH WORK DAY, THE CONTRACTOR SHALL BACKFILL OR ADEQUATELY BARRICADE ALL OPEN TRENCHES.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN:CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT F. RAKOWSKI, P.E.
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
BRENT F. RAKOWSKI
NO. 7694
CIVIL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

Middlebury, Vermont

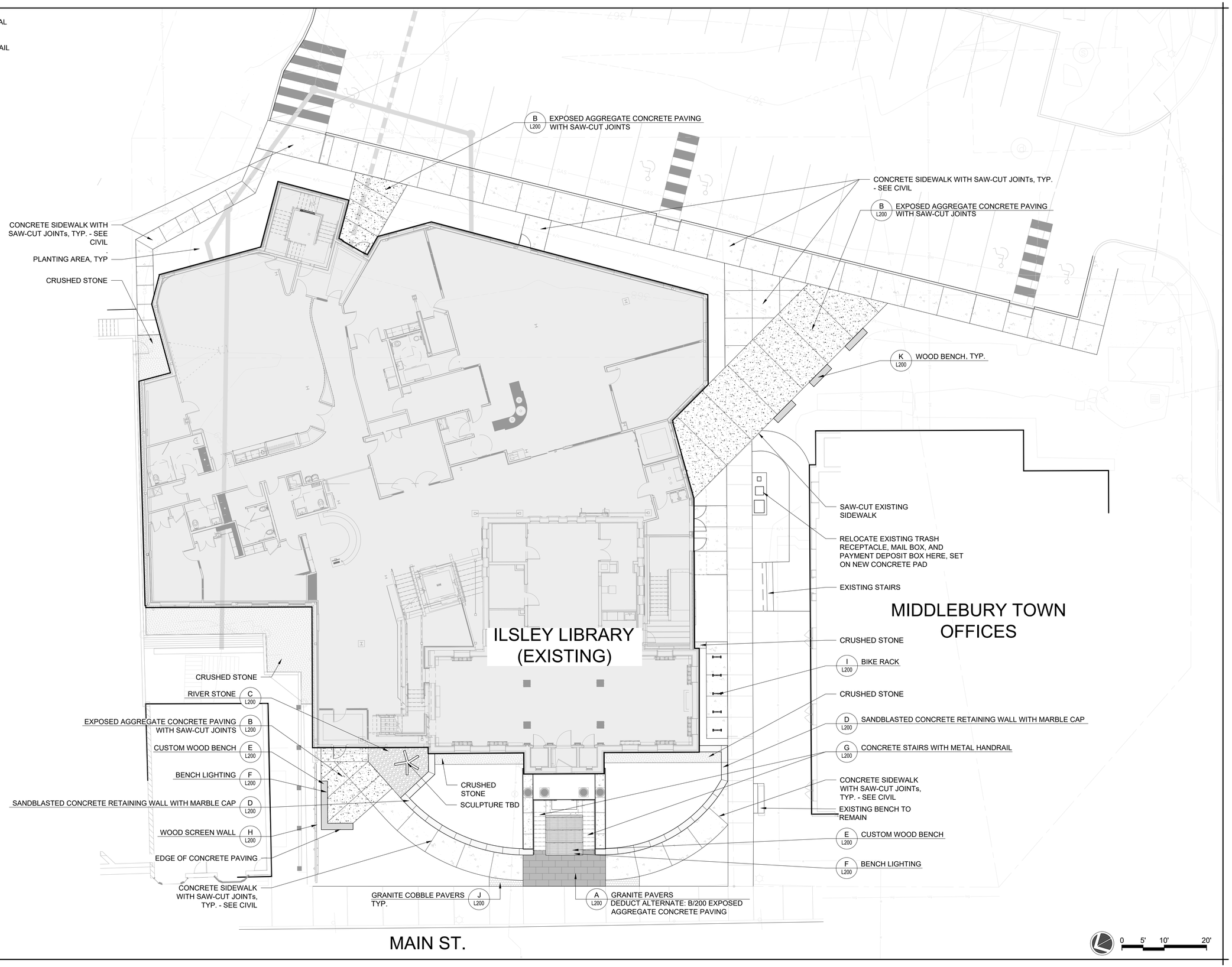
NOTES AND DETAILS

PROJECT NO:	2023018
PROGRESS PRINT:	JANUARY 24, 2025
CHECKED BY:	BFR
DRAWN BY:	RR
SCALE:	As Indicated

C5.03

PRINTED: 1/21/2025 10:31:28 AM FILENAME: 736502 DETAILS.dwg

NOTE: IMAGES SUGGEST GENERAL DESIGN INTENT - SEE CIVIL AND ARCHITECTURE PLANS AND SPECIFICATIONS FOR MORE DETAIL



WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN:
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
SE GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

VERMONT LICENSED LANDSCAPE ARCHITECT NO. 007965

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

MATERIALS PLAN - GROUND LEVEL

PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	PO
DRAWN BY:	MC
SCALE:	1" = 10'

L1.00

FILENAME

PRINTED



H WOOD SCREEN WALL



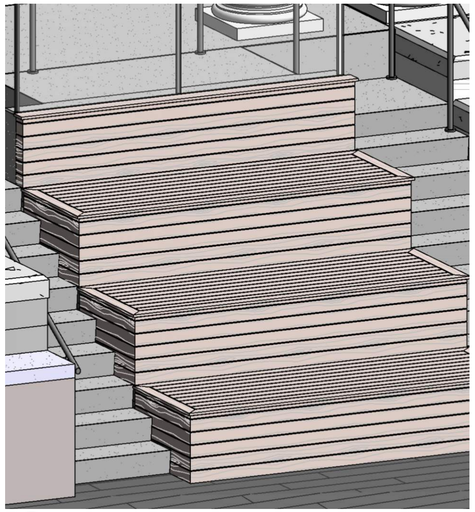
I BIKE RACK



J GRANITE COBBLE PAVERS



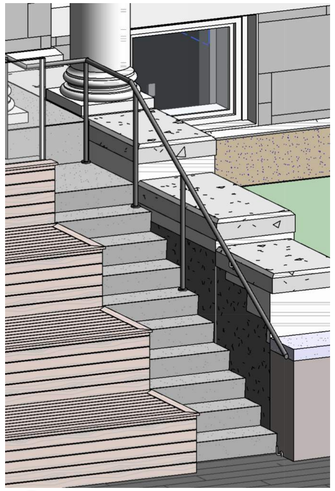
K WOOD BENCH



E CUSTOM WOOD BENCH



F BENCH LIGHTING



G CONCRETE STAIRS WITH METAL HANDRAIL



A GRANITE PAVERS



B EXPOSED AGGREGATE CONCRETE PAVING



C RIVER STONE



D SANDBLASTED CONCRETE RETAINING WALL WITH MARBLE CAP

NOTE: IMAGES SUGGEST GENERAL DESIGN INTENT - SEE CIVIL AND ARCHITECTURE PLANS AND SPECIFICATIONS FOR MORE DETAIL

FILENAME:

PRINTED:

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN:
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
SE GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

VERMONT Adam M. Pope REGISTERED LANDSCAPE ARCHITECT No. 007200

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

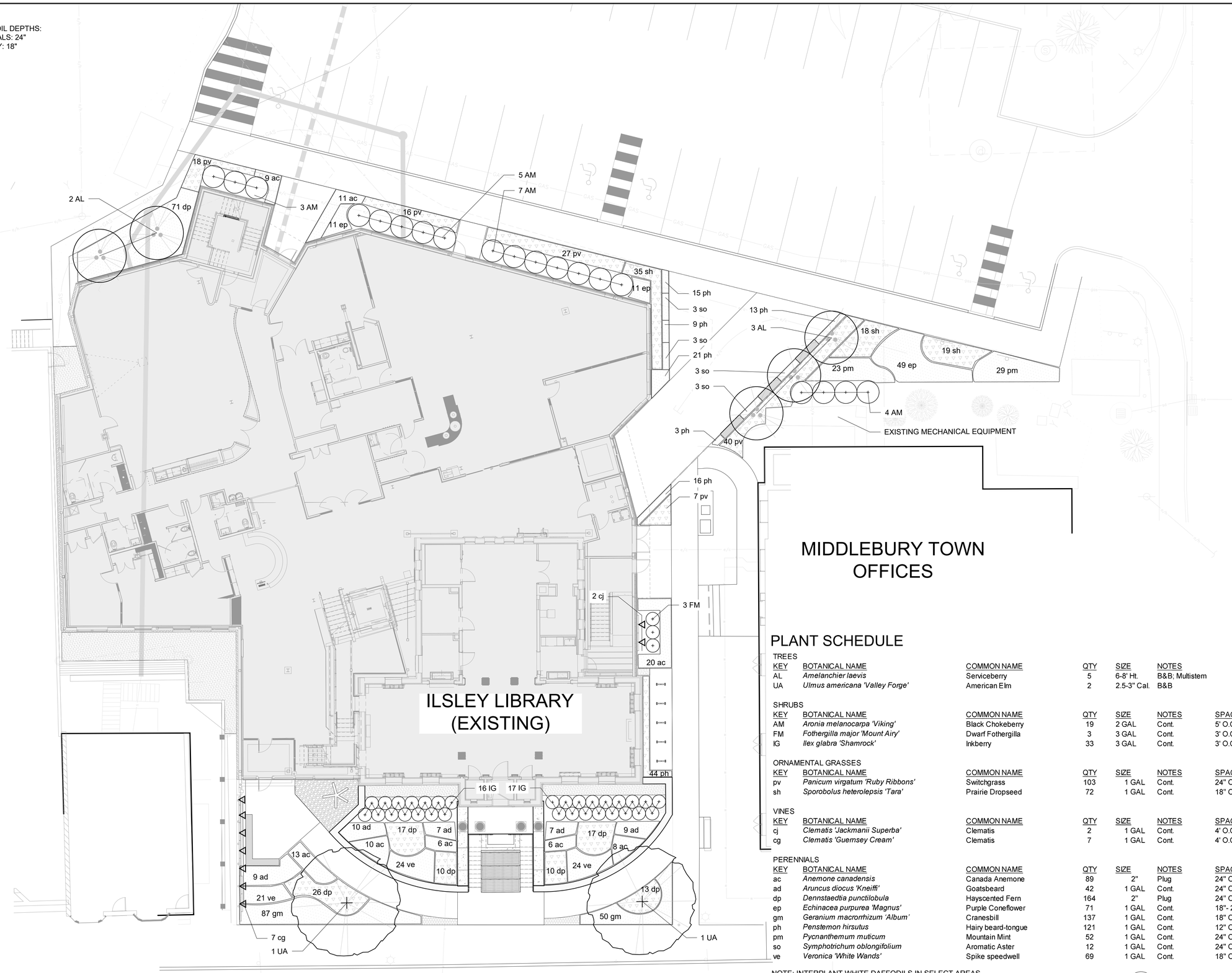
MIDDLEBURY, VERMONT

SITE DETAILS / IMAGES

PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	PO
DRAWN BY:	MC
SCALE:	1" = 10'

L2.00

TYPICAL CONTINUOUS PLANTING SOIL DEPTHS:
- TREES, SHRUBS, AND PERENNIALS: 24"
- SHRUBS AND PERENNIALS ONLY: 18"
- PERENNIALS ONLY: 12"



PLANT SCHEDULE

TREES

KEY	BOTANICAL NAME	COMMON NAME	QTY	SIZE	NOTES
AL	*Amelanchier laevis*	Serviceberry	5	6-8' Ht.	B&B; Multistem
UA	*Ulmus americana 'Valley Forge'*	American Elm	2	2.5-3" Cal.	B&B

SHRUBS

KEY	BOTANICAL NAME	COMMON NAME	QTY	SIZE	NOTES	SPACING
AM	*Aronia melanocarpa 'Viking'*	Black Chokeberry	19	2 GAL	Cont.	5' O.C.
FM	*Fothergilla major 'Mount Airy'*	Dwarf Fothergilla	3	3 GAL	Cont.	3' O.C.
IG	*Ilex glabra 'Shamrock'*	Inkberry	33	3 GAL	Cont.	3' O.C.

ORNAMENTAL GRASSES

KEY	BOTANICAL NAME	COMMON NAME	QTY	SIZE	NOTES	SPACING
pv	*Panicum virgatum 'Ruby Ribbons'*	Switchgrass	103	1 GAL	Cont.	24" O.C.
sh	*Sporobolus heterolepsis 'Tara'*	Prairie Dropseed	72	1 GAL	Cont.	18" O.C.

VINES

KEY	BOTANICAL NAME	COMMON NAME	QTY	SIZE	NOTES	SPACING
cj	*Clematis 'Jackmanii Superba'*	Clematis	2	1 GAL	Cont.	4' O.C.
cg	*Clematis 'Guernsey Cream'*	Clematis	7	1 GAL	Cont.	4' O.C.

PERENNIALS

KEY	BOTANICAL NAME	COMMON NAME	QTY	SIZE	NOTES	SPACING
ac	*Anemone canadensis*	Canada Anemone	89	2"	Plug	24" O.C.
ad	*Aruncus diocus 'Kneiffi'*	Goatsbeard	42	1 GAL	Cont.	24" O.C.
dp	*Dennstaedtia punctilobula*	Hayscented Fern	164	2"	Plug	24" O.C.
ep	*Echinacea purpurea 'Magnus'*	Purple Coneflower	71	1 GAL	Cont.	18"- 24" O.C.
gm	*Geranium macrorrhizum 'Album'*	Cranesbill	137	1 GAL	Cont.	18" O.C.
ph	*Penstemon hirsutus*	Hairy beard-tongue	121	1 GAL	Cont.	12" O.C.
pm	*Pycnanthemum muticum*	Mountain Mint	52	1 GAL	Cont.	24" O.C.
so	*Symphotrichum oblongifolium*	Aromatic Aster	12	1 GAL	Cont.	24" O.C.
ve	*Veronica 'White Wands'*	Spike speedwell	69	1 GAL	Cont.	18" O.C.

NOTE: INTERPLANT WHITE DAFFODILS IN SELECT AREAS.
TOTAL QUANTITY: 143

0 5' 10' 20'

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN:
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
SE GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

VERMONT LICENSED LANDSCAPE ARCHITECT NO. 007865

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

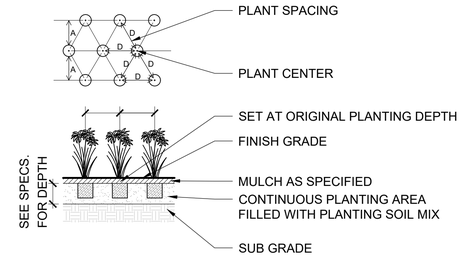
MIDDLEBURY, VERMONT

PLANTING PLAN - GROUND LEVEL

PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	PO
DRAWN BY:	MC
SCALE:	1" = 10'

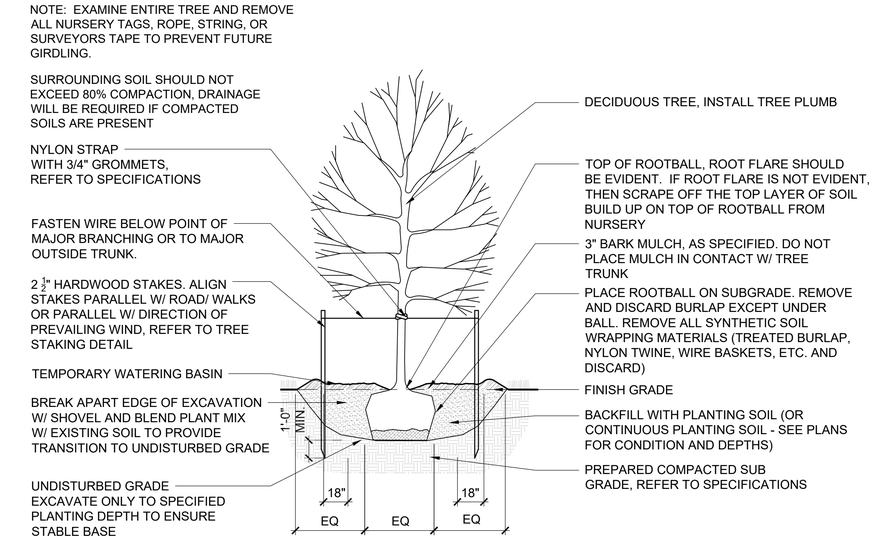
L3.00

FILENAME
PRINTED



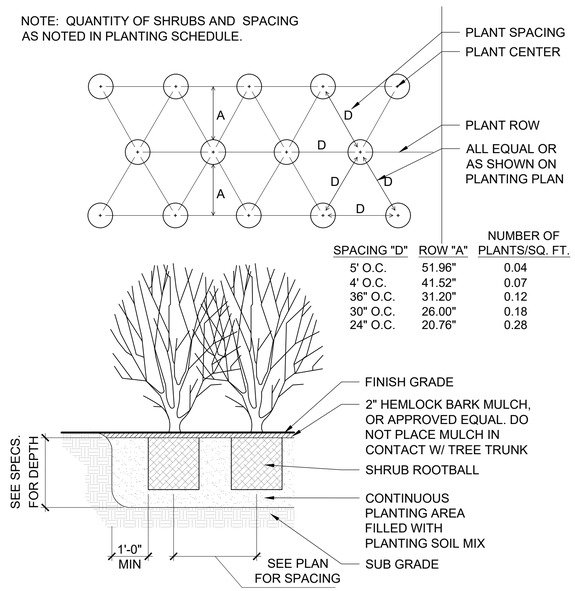
C PERENNIAL

SCALE: 1/2" = 1'



A DECIDUOUS TREE PLANTING

SCALE: 1/4" = 1'



B SHRUB PLANTING

SCALE: 1/2" = 1'

FILENAME:

PRINTED:

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN:
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
SE GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

VERMONT
Adam M. Pope
No. 002968
REGISTERED LANDSCAPE ARCHITECT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

PLANTING DETAILS

PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	PO
DRAWN BY:	MC
SCALE:	1" = 10'

L3.01

A. GENERAL NOTES

1. ALL STRUCTURAL WORK SHALL CONFORM TO THE PROJECT SPECIFICATIONS, DRAWINGS, AND THE 2015 VERMONT FIRE AND BUILDING SAFETY CODE.
2. CONTRACTOR SHALL COORDINATE STRUCTURAL WORK WITH RELATED TRADES AND WITH OTHER DESIGN DISCIPLINE REQUIREMENTS PRIOR TO MAKING SUBMITTALS. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PERFORMING WORK.
3. REFER TO OTHER DESIGN DISCIPLINE DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION REQUIRED FOR THE SUBMITTALS AND INSTALLATION OF STRUCTURES, INCLUDING BUT NOT LIMITED TO DIMENSIONS, ELEVATIONS, SLOPES, LOCATIONS OF OTHER SYSTEMS AND EQUIPMENT, OPENINGS, WALLS, STAIRS, FINISHES, COATINGS, AND OTHER NON-STRUCTURAL ITEMS. NOTES PROVIDED ON THE DRAWINGS ARE INTENDED FOR USE IN CONJUNCTION WITH PROJECT SPECIFICATIONS.
4. DETAILS LABELED AS TYPICAL DETAILS ON THE DRAWINGS SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. SUCH TYPICAL DETAILS SHALL APPLY WHETHER OR NOT THEY ARE DEMARKED AT EACH LOCATION IN THE DRAWINGS. FOR CONDITIONS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS OF A SIMILAR NATURE. VERIFY APPLICABILITY BY SUBMITTALS.
5. CONTRACTOR IS RESPONSIBLE FOR COORDINATION DETAILS AND ACCURACY OF THE WORK; FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; FOR SELECTING FABRICATION PROCESSES, FOR TECHNIQUES OF ASSEMBLY IN ACCORDANCE WITH GENERAL CONDITIONS AND DIVISION 1 SPECIFICATION REQUIREMENTS; AND FOR PERFORMING ALL WORK IN A SAFE AND SECURE MANNER IN ACCORDANCE WITH GOVERNING JOB SAFETY STANDARDS.
6. CONTRACTOR SHALL VERIFY ALL CONDITIONS AT THE SITE, INCLUDING LOCATIONS OF ALL EXISTING STRUCTURES AND EXISTING UTILITIES ABOVE AND BELOW GROUND (AS ANY INFORMATION SHOWN IS APPROXIMATE AND NOT NECESSARILY COMPLETE.) CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PERFORMING WORK.
7. LOADS APPLIED DURING CONSTRUCTION SHALL NOT EXCEED THE DESIGN LOADS NOTED ON THE DRAWINGS OR THE CAPACITY OF PARTIALLY COMPLETED CONSTRUCTIONS AS DETERMINED BY THE CONTRACTOR. THE STRUCTURAL ELEMENTS OF THE PROJECT AS SHOWN IN THE CONSTRUCTION DOCUMENTS HAVE BEEN DESIGNED FOR THE SPECIFIED VERTICAL AND LATERAL FORCES ACTING ON THE COMPLETED BUILDING. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DESIGN AND PROVIDE ALL REQUIRED SHORING AND BRACING NEEDED DURING CONSTRUCTION TO MAINTAIN THE STABILITY AND SAFETY OF THE PARTIALLY-COMPLETED STRUCTURE AND FOR CONSTRUCTION LOADINGS THAT EXCEED THE SPECIFIED DESIGN LOADS.
8. SHORING, BRACING, PROTECTING, AND MAINTAINING THE INTEGRITY OF ANY EXISTING, ADJACENT, AND/OR ONGOING PARTIALLY COMPLETED STRUCTURES IS THE RESPONSIBILITY OF THE CONTRACTOR.

B. EXISTING BUILDING NOTES

1. DIMENSIONS, ELEVATIONS, MEMBER SIZES, AND DETAILS OF EXISTING STRUCTURE SHOWN IN THE STRUCTURAL DRAWINGS HAVE BEEN EXTRACTED FROM RECORD DRAWINGS AND/OR LIMITED FIELD MEASUREMENTS. AS SUCH THEY ARE NOT TO BE CONSIDERED SUITABLY ACCURATE FOR ANY CONSTRUCTION WORK SHOWN, INCLUDING FABRICATIONS, SUBMITTALS, ETC. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF THE EXISTING CONSTRUCTION, INCLUDING PLUMBNESS OR FLATNESS OF WALLS, FLOORS, ETC. AT THE JOB SITE PRIOR TO SUBMITTAL, FABRICATION OR CONSTRUCTION WORK. ANY DEVIATIONS FOUND IN THE FIELD FROM WHAT IS SHOWN ON THE DRAWINGS SHALL BE REPORTED TO THE ARCHITECT PRIOR TO FABRICATION OR CONSTRUCTION.
2. TEMPORARY SHORING AND BRACING OF FLOORS, WALLS, AND OTHER STRUCTURAL ELEMENTS OF THE EXISTING BUILDINGS REQUIRED TO ACHIEVE THE INSTALLATION OF NEW AND/OR THE REMOVAL OF EXISTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL, AT THEIR DISCRETION AND WHERE SPECIFIED, EMPLOY ENGINEERING SERVICES FOR DESIGN OF TEMPORARY BRACING, SHORING AND PROTECTION. EXISTING BUILDING MOVEMENTS SHALL BE LIMITED TO PREVENT DISTRESS FROM OCCURRING.
3. REPORT EXISTING CONDITIONS UNCOVERED, REVEALED, FOUND OR DEVELOPED DURING CONSTRUCTION INDICATIVE OF STRUCTURAL INTEGRITY LOSS OR DETERIORATION, UNLESS SPECIFICALLY NOTED ON THE DRAWINGS.
4. DO NOT CUT, DRILL OR ALTER ANY EXISTING STRUCTURAL ELEMENTS UNLESS SHOWN OR NOTED ON THE STRUCTURAL DRAWINGS WITHOUT NOTIFYING THE ARCHITECT FOR REVIEW, INCLUDING TEMPORARY MEASURES OR FOR THE INSTALLATION OF OTHER DESIGN DISCIPLINE WORK.
5. MONITORING OF CONSTRUCTION WORK SHALL INCLUDE, BUT IS NOT LIMITED TO, FIRE WATCH DURING AND AT LEAST 24 HOURS AFTER ALL STEEL WELDING OR DRILLING, WOOD DRILLING, AND HEAT TRANSFERRING CONSTRUCTION MEASURES. DO NOT ALLOW HEAT OR ENERGY FROM EQUIPMENT TO DAMAGE OR OTHERWISE ALTER EXISTING STRUCTURAL ELEMENTS TO REMAIN.
6. FOR EXISTING STEEL ELEMENTS, DO NOT ALLOW THE THROUGH THICKNESS TEMPERATURE OF THE STEEL TO EXCEED 300º FAHRENHEIT DURING WELDING PROCESSES UNLESS SPECIFICALLY NOTED OTHERWISE. USE ACTIVE, OBSERVABLE SURFACE MONITORING METHODS.

C. DEFERRED SUBMITTALS

1. IN ACCORDANCE WITH REQUIREMENTS LISTED BY THE DRAWINGS AND SPECIFICATIONS, DEFERRED SUBMITTALS AS DEFINED BY THE IBC ARE REQUIRED FOR THE CONDUCTANCE OF THIS PROJECT. THESE SUBMITTALS REQUIRE ACCEPTABLE REVIEW BY THE ARCHITECT AND/OR ENGINEER-OF-RECORD (EOR) AS WELL AS PRESENTATION OF REVIEWED "RECORD" SUBMITTALS TO THE AHJ AT THEIR DISCRETION AND FOR THEIR ACCEPTANCE.
2. DEFERRED SUBMITTALS ARE SPECIFIED TO INCLUDE CALCULATIONS AND DRAWINGS PREPARED UNDER THE AUSPICES OF AN APPROPRIATELY LICENSED (SPECIALTY) ENGINEER. SUBMITTALS INDICATE CODE (MINIMUM) OR SPECIFIED LOAD TYPE, MAGNITUDES, AND LOCATIONS; FRAMING AND CONNECTION TYPES AND CONFIGURATIONS; INCLUDING ATTACHMENT TO PRIMARY OR BASE STRUCTURE FRAMING.
3. THE PURPOSE OF THE EOR'S REVIEW OF THE SUBMITTALS CONCERNS THAT THE SUBMITTAL DRAWINGS AND CALCULATIONS ARE PROPERLY SEALED; THAT THE LOAD CRITERIA GENERALLY CONFORM TO THE SPECIFIED DESIGN BASIS AND CODE; THAT CONNECTIONS LOADS ATTACHMENTS AND CONFIGURATIONS TO THE PRIMARY OR BASE STRUCTURE ARE COMPATIBLE WITH THE STRUCTURAL DESIGN AND CODE REQUIREMENTS.
4. THE EOR RELIES ON THE (SPECIALTY) ENGINEER'S SEAL AS CERTIFICATION THAT THE DEFERRED SUBMITTAL ITEMS COMPLY WITH SPECIFIED AND CODE CRITERIA. THE EOR IS NOT RESPONSIBLE FOR THE ADEQUACY OR EFFECTS OF THE (SPECIALTY) ENGINEER'S DESIGN. DESIGN OF TEMPORARY SHORING AND BRACING AS WELL AS TESTING AND INSPECTIONS THAT REQUIRE THE SUPERVISION OF A LICENSED ENGINEER, SUCH AS FOUNDATION SUBGRADE REVIEW, ARE NOT CONSIDERED DEFERRED SUBMITTALS.
5. DEFERRED STRUCTURAL SUBMITTAL ITEMS INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
   - CROSS-LAMINATED TIMBER FLOOR, ROOF AND WALL PANELS
   - STEEL STAIRS
   - STRUCTURAL STEEL CONNECTIONS

   IN ADDITION, STRUCTURAL REQUIREMENTS ARE SPECIFIED FOR VARIOUS MISCELLANEOUS METAL, EXTERIOR WALL, EQUIPMENT, AND MEP SYSTEM COMPONENTS BY OTHER DESIGN DISCIPLINES; WHERE THE CONNECTION TO THE PRIMARY OR BASE STRUCTURE IS REVIEWED.

D. FOUNDATION RELATED EARTHWORK

1. SEE GEOTECHNICAL REPORT TITLED "SUMMARY OF GEOTECHNICAL CONDITIONS FOR INITIAL STRUCTURAL DESIGN, ILSLEY LIBRARY, MIDDLEBURY, VT" PREPARED BY M&W SOILS ENGINEERING, INC. DATED AUGUST 17, 2024 FOR ALL RECOMMENDATIONS AND DESIGN.
2. THE GEOTECHNICAL REPORTING CONTAINS SPECIFIC REQUIREMENTS PERTAINING TO GROUND IMPROVEMENTS, GRUBBING, SITE, SUBFLOOR AND BEARING SURFACE PREPARATION AND PROTECTION; STRUCTURAL FILL AND COMPACTION REQUIREMENTS; GROUND WATER MANAGEMENT; ETC. THAT ARE NOT NECESSARILY SHOWN BY THE DRAWINGS AND SPECIFICATIONS. ALSO, IBC CHAPTER 18 "SOILS AND FOUNDATION" REQUIREMENTS APPLY, UNLESS SPECIFICALLY NOTED OTHERWISE BY THE GEOTECHNICAL REPORTING, DRAWINGS OR SPECIFICATIONS. REPORT CONFLICTS BETWEEN THE REPORTING AND THE DRAWINGS AND SPECIFICATIONS TO THE ARCHITECT PRIOR TO COMMENCING ANY AFFECTED WORK.
3. A LICENSED GEOTECHNICAL ENGINEER SHALL INSPECT AND REPORT ON ALL NATIVE SUB-GRADES FOR SLABS-ON-GRADE AND FOUNDATION PREPARED SOIL SURFACES PRIOR TO THE PLACEMENT OF ANY BACKFILL, FILL, AND FOUNDATION STRUCTURAL ELEMENTS. FOUNDATIONS AND FOOTING SHALL BEAR ON COMPETENT NATIVE SOILS OR COMPACTED STRUCTURAL FILLS IN ACCORDANCE WITH THE GEOTECHNICAL REPORTING.
4. FOOTINGS AND SLABS CAST DIRECTLY AGAINST THE EARTH SHALL BE SIDE-FORMED AS REQUIRED TO KEEP EARTH OUT OF THE CONCRETE. COMPACT DISTURBED LOAD BEARING SOIL IN DIRECT CONTACT WITH FOUNDATIONS TO ORIGINAL BEARING CAPACITY. AS WET WEATHER OR GROUND CONDITIONS WARRANT, PLACE A MINIMUM OF 6 INCHES OF CRUSHED STONE WRAPPED IN GEOTEXTILE FABRIC FOR SUBGRADE PROTECTION BENEATH FOUNDATIONS. DO NOT ALLOW FOR STANDING WATER ON EARTH. IF OVER-EXCAVATION OCCURS, REPLACE MATERIAL WITH BACKFILL MEASURES SPECIFIED FOR USE UNDER FOUNDATIONS, AFTER ACCEPTANCE BY GEOTECHNICAL ENGINEER.
5. UNLESS NOTED OTHERWISE, PLACE AND COMPACT BACKFILL IN EQUAL CONTINUOUS LAYERS NOT EXCEEDING A MAXIMUM OF 8" OF COMPACTED DEPTH FOR HAND-HELD COMPACTION EQUIPMENT AND A MAXIMUM OF 12" INCHES COMPACTED DEPTH FOR VIBRATORY ROLLERS. MAINTAIN OPTIMUM MOISTURE CONTENT OF BACKFILL MATERIALS TO ATTAIN COMPACTION DENSITY.
6. AT EARTH RETAINING AND FOUNDATION WALLS, BACKFILL LIFTS TO NOT EXCEED 12 INCH DIFFERENCE IN ELEVATION UNTIL FINAL ELEVATIONS ARE REACHED ON BOTH SIDES OF THE WALL. AT BASEMENT WALLS, DO NOT BACKFILL UNTIL GROUND FLOOR AND CONNECTED ELEVATED FRAMED LEVELS SLABS HAVE BEEN COMPLETED AND THE CONCRETE AT WALLS AND FLOORS HAS ACHIEVED FULL DESIGN STRENGTH.
7. THE CONSTRUCTION CONSIDERATIONS IN THE GEOTECHNICAL REPORTING AND PROJECT SPECIFICATIONS SHALL APPLY TO THIS PROJECT, INCLUDING BUT NOT LIMITED TO PROOFROLLING SUBGRADES AT THE EXCAVATION AND/OR BEARING ELEVATIONS; REMOVING AND REPLACING LOOSE OR SOFT POCKETS, FILL SLOPE CONSTRUCTIONS, ETC.
8. BACKFILL REQUIREMENTS:
   A. FILL UNDER FOUNDATIONS AND WITHIN ZONE OF INFLUENCE OF BUILDING FOUNDATIONS:
      MATERIAL: "STRUCTURAL FILL"
      COMPACTION: 95% MODIFIED PROCTOR
   B. FILL DIRECTLY BELOW INTERIOR AND EXTERIOR SLAB-ON-GRADE ASSEMBLIES:
      MATERIAL: "FINE CRUSHED GRAVEL" OR "3/4" CRUSHED STONE"
      COMPACTION: 95% MODIFIED PROCTOR
   C. BACKFILL BEHIND RETAINING WALLS AND FOUNDATION WALLS, WITHIN AND OUTSIDE BUILDING ENVELOPE:
      MATERIAL: "STRUCTURAL FILL"
      COMPACTION: 95% MODIFIED PROCTOR
   D. FILL OUTSIDE ZONE OF INFLUENCE OF BUILDING FOUNDATIONS AND NOT UNDER ENTRY SLABS:
      MATERIAL: "COMMON FILL"
      COMPACTION: 90% MODIFIED PROCTOR
9. BACKFILL MATERIALS:
   A. "STRUCTURAL FILL":

SIEVE DESIGNATION	% BY WEIGHT PASSING SIEVES
5 INCH	100
3/4 INCH	60-85
No. 4	40-70
No. 200	0-8

   B. "FINE CRUSHED GRAVEL": (VAOT TABLE 704.05B)

SIEVE DESIGNATION	% BY WEIGHT PASSING SIEVES
2 INCH	100
1 1/2 INCH	90-100
No. 4	30-60
No. 100	0-12
No. 200	0-6

   C. "3/4" CRUSHED STONE":

SIEVE DESIGNATION	% WEIGHT BY PASSING SIEVES
1 INCH	100
3/4 INCH	90-100
3/8 INCH	0-55
No. 4	0-10
No. 8	0-5

   D. "COMMON FILL":

SIEVE DESIGNATION	% BY WEIGHT PASSING SIEVES
6 INCH	100
3/4 INCH	60-100
No. 4	20-85
No. 200	0-25

10. GEOTEXTILE FABRIC: NON-WOVEN WITH 12-INCH LAPPED SEAMS MEETING:
    - GRAB STRENGTH OF 90 POUNDS MINIMUM MEETING ASTM D4632
    - PUNCTURE STRENGTH OF 140 POUNDS MINIMUM MEETING ASTM D6241
    - TRAPEZOID TEAR OF 25 POUNDS MINIMUM MEETING ASTM D4533
    - APPARENT OPENING SIZE OF NO. 70 (US SIEVE) MEETING ASTM D4751
11. INSULATION AT EXTERIOR SLABS AND WALKS (NOT PAVEMENTS): EXTRUDED POLYSTYRENE, STRENGTH OF 40 PSI (UNO) AND RATED FOR UNDERSLAB/UNDERGROUND USE. STAGGER AND DO NOT TAPE BOARD JOINTS.

TABLE 1 - CONCRETE MIXTURES

APPLICATION	COMPRESSIVE STRENGTH f'c	CONCRETE TYPE	EXPOSURE CLASS[2]	CEMENTITIOUS MATERIALS[3]	MAX W/C RATIO	PERMISSIBLE AIR CONTENT[4]
FOOTINGS, GRADE BEAMS AT INTERIOR	3,000 PSI @ 56 DAYS	NORMAL WEIGHT	F0, S0, P0, C1	40% FA OR GGBFS (MAX)	0.50	N/A
FOUNDATION WALLS, PILASTERS, PIERS, GRADE BEAMS AT EXTERIOR	4,000 PSI @ 28 DAYS	NORMAL WEIGHT	F1, S0, P0, C1	15% FA OR GGBFS (MAX)	0.45	5% +/- 1.5%
INTERIOR SLABS-ON-GRADE	4,000 PSI @ 28 DAYS	NORMAL WEIGHT	F0, S0, P0, C0	25% FA OR GGBFS (MAX)	0.50	<3%
EXTERIOR SLABS-ON-GRADE	5,000 PSI @ 56 DAYS	NORMAL WEIGHT	F3, S0, P0, C2	15% FA OR GGBFS (MAX)	0.40	5% +/- 1.5%
TOPPING SLAB	2,000 PSI @ 28 DAYS	LIGHT WEIGHT	F0, S0, P0, C0	15% FA OR GGBFS (MAX)	0.50	<3%
INTERIOR SLABS-ON-DECK	3,000 PSI @ 28 DAYS	NORMAL WEIGHT	F0, S0, P0, C0	15% FA OR GGBFS (MAX)	0.50	<3%

NOTES:
1. SLUMP: 3"-5" BEFORE ADDITION OF WATER REDUCER, 6"-8" AFTER ADDITION OF WATER REDUCER.
2. EXPOSURE CLASS REFERENCES ACI 318-14 TABLE 19.3.1.1. CONCRETE SHALL BE PROPORTIONED TO COMPLY WITH REQUIREMENTS PROVIDED IN ACI 318-14 TABLES 19.3.2.1 AND 19.3.3.1 WITH RESPECT TO EXPOSURE CLASS.
3. FA = FLY ASH; GGBFS = GROUND GRANULATED BLAST-FURNACE SLAG
4. DO NOT POWER TROWEL SLABS WITH ENTRAINED AIR.

E. CAST-IN-PLACE CONCRETE

1. CODES AND STANDARDS: COMPLY WITH THE PROVISIONS OF THE LATEST EDITIONS OF:
   A. ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"
   B. ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE"
   C. ACI 304 "GUIDE FOR MIXING, TRANSPORTING AND PLACING CONCRETE"
   D. ACI 305 "HOT WEATHER CONCRETING"
   E. ACI 306 "STANDARD SPECIFICATION FOR COLD WEATHER CONCRETING"
   F. ACI 308 "STANDARD PRACTICE FOR CURING CONCRETE".
2. CONCRETE TESTING: THE CONTRACTOR SHALL PREPARE A SET OF 4 CYLINDERS/TEST SET TO BE TESTED AT AN INDEPENDENT LABORATORY. THE CYLINDERS SHALL BE TAKEN FROM ONE CONCRETE TRUCK AND LABELED WITH DATE, TRUCK NUMBER, AND LOCATION OF CONCRETE PLACEMENT. EACH SAMPLE SHALL ALSO BE TESTED FOR SLUMP, AIR CONTENT, AND TEMPERATURE. THE CYLINDERS SHALL BE TESTED AS FOLLOWS: 1 AT 7 DAYS; 2 AT 28 DAYS; AND A THIRD HELD FOR A 56 DAY BREAK IF REQUIRED. TEST CYLINDERS SHALL BE TAKEN AT LEAST ONCE PER PLACEMENT OR AT THE FOLLOWING INCREMENTS:
   A. WALLS AND FOOTINGS: 50 CUBIC YARDS
   B. ISOLATED FOOTINGS: 25 CUBIC YARDS
   C. SLABS: 50 CUBIC YARDS

   FIELD TESTING SHALL BE PERFORMED BY A GRADE I ACI (MINIMUM) FIELD TESTING TECHNICIAN.
3. SUBMIT MIX DESIGN AND EITHER TRIAL MIX DESIGNS OR HISTORIC FIELD DATA FOR APPROVAL IN ACCORDANCE WITH ACI 318, CHAPTER 5, INCLUDE TECHNICAL DATA SHEETS, GRADATIONS, AND MATERIAL VERIFICATIONS ON ALL COMPONENTS. SUBMIT MIX DESIGNS, PRIOR TO PLACEMENT OF CONCRETE, TRANSIT MIX SHALL CONFORM TO ASTM C94.
4. CONCRETE MIXTURES: AS DELINEATED IN TABLE 1.
5. MAXIMUM AGGREGATE SIZE IN ACCORDANCE WITH ACI 301; CLEARLY NOTE LOCATION WHERE AGGREGATES GREATER THAT 3/4" MAXIMUM SIZE ARE PROPOSED FOR USE.
6. NO CHLORIDE OR OTHER UNAUTHORIZED ADMIXTURES SHALL BE USED. MAINTAIN MAXIMUM WATER SOLUBLE CHLORIDE ION (CL-) IN CONCRETE, BY WEIGHT OF CEMENT AT LESS THAN 1.00 FOR NON-EXPOSED CONCRETES AND 0.30 FOR EXTERIOR EXPOSED CONCRETES.
7. WHEN AMBIENT TEMPERATURE IS BELOW 40º FAHRENHEIT OR MORE THAN 90º FAHRENHEIT PLACE AND PROTECT CONCRETE IN ACCORDANCE WITH ACI STANDARDS LISTED ABOVE.
8. CONCRETE PLACEMENT MAY REQUIRE ADJUSTMENT OF REINFORCEMENT, EMBEDDED ITEMS OR ANCHOR BOLTS. REVIEW DRAWINGS AND IDENTIFY THESE LOCATIONS TO ARCHITECT PRIOR TO SUBMITTALS. PROVIDE ADDITIONAL SUPERVISION AT ALL STEEL TO CONCRETE CONNECTION LOCATIONS AND MODIFY PLACEMENT MEASURES TO ACCOUNT FOR CONGESTIONS.
9. COMPLY WITH ACI CODES AND PLACE CONCRETE IN A CONTINUOUS OPERATION WITHIN PLANNED JOINTS OR SECTIONS. DO NOT PERMIT COLD JOINTS TO OCCUR.
10. CURING: COVER OR WET CURE ALL ELEMENTS. BEGIN INITIAL CURING AS SOON AS FREE WATER HAS DISAPPEARED FROM EXPOSED SURFACES. WHERE POSSIBLE, KEEP CONTINUOUSLY WET FOR 72 HOURS. CONTINUE CURING BY USE OF MOISTURE RETAINING COVER. USE OF MEMBRANE-FORMING CURING COMPOUNDS IS PROHIBITED.
11. FINISHING:
    A. INTERIOR SLABS TO RECEIVE TILE WITH FULL SETTING BED: WOOD FLOAT FINISH
    B. INTERIOR SLABS TO RECEIVE CARPET, RESILIENT OR SEAMLESS FLOORING, OR THIN SET CERAMIC TILE: STEEL TROWEL FINISH
    C. EXTERIOR SLABS: BROOM FINISH PERPENDICULAR TO PEDESTRIAN TRAFFIC.
12. CONTROL & CONSTRUCTION JOINTS:
    A. PROVIDE CONTROL AND CONSTRUCTION JOINTS BY DETAIL AND SPECIFICATION REQUIREMENTS.
    B. SUBMIT PROPOSED CONTROL AND CONSTRUCTION JOINTS ON REINFORCING SUBMITTAL FOR REVIEW. COORDINATE LAYOUT WITH FLOORING, EQUIPMENT AND OTHER CONTRACTOR REQUIREMENTS.
    C. SLAB CONTROL JOINTS:
       a. SAW-CUT CONTROL JOINTS AS SOON AS CONCRETE HAS HARDENED ENOUGH TO WALK ON SURFACE WITHOUT DAMAGING CONCRETE AND NO MORE THAN 4 HOURS AFTER FINAL TROWEL.
       b. JOINT SPACING SHALL, UNLESS NOTED OTHERWISE, NOT EXCEED THE SMALLER OF: 36 TIMES THE SLAB THICKNESS OR 18 FEET. SLAB PANEL LENGTH TO WIDTH RATIO NOT TO EXCEED 1.5.
       c. JOINTS TO BE LOCATED TO CONFORM TO BAY SPACING WHEREVER POSSIBLE (AT COLUMN CENTERLINES, HALF BAYS, THIRD BAYS).
    D. SLAB CONSTRUCTION JOINTS:
       a. SLABS SHALL BE PLACED IN ALTERNATE STRIPS, EACH STRIP NOT TO EXCEED 40 FEET WIDE BY 160 FEET LONG.
    E. WALL CONTROL JOINTS: SPACING NOT TO EXCEED 20 FEET AND AT EACH INTEGRAL PILASTER.
    F. WALL CONSTRUCTION JOINTS: SPACING NOT TO EXCEED 80 FEET.

F. CONCRETE REINFORCEMENT

1. SHOP DRAWINGS SHALL BE PROVIDED PRIOR TO START OF CONCRETE PLACING AND BE IN ACCORDANCE WITH:
   A. ACI 301
   B. ACI 315 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT"
   C. ACI SP-66 "ACI DETAILING MANUAL"
   D. CRSI MSP "MANUAL OF STANDARD PRACTICE"

   SHOW ALL SLABS IN PLAN AND ALL WALLS IN ELEVATION WITH OPENINGS AND PENETRATIONS SHOWN BASED ON MEP COORDINATION SUBMITTALS AND ARCHITECTURAL REQUIREMENTS. SUBMIT PROPOSED CONTROL AND CONSTRUCTION JOINTS FOR REVIEW ON REINFORCING SUBMITTALS.
2. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615 GRADE 60, STEEL BARS PER ASTM A305, UNLESS NOTED OTHERWISE.
3. FIELD BENDING OR REINFORCEMENT SHALL CONFORM TO ACI 301, INCLUDING PRE-HEAT REQUIREMENTS.
4. WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185 WITH A MINIMUM ULTIMATE TENSILE STRENGTH OF 70,000 PSI. LAP ONE CROSS WIRE SPACING PLUS 2". SUPPORT MESH ON CHAIRS PER CRSI WITH #4 AT 4'-0"oc, EACH WAY.
5. PROVIDE MINIMUM CONCRETE COVER TO REINFORCEMENT AS FOLLOWS, UNLESS OTHERWISE NOTED:
   A. BOTTOM OF FOOTINGS, GRADE BEAMS, AND SLABS-ON-GRADE: 3"
   B. SIDES OF FOOTINGS AND GRADE BEAMS: 2"
   C. FOUNDATION WALLS, FROST WALLS, RETAINING WALLS, PIT WALLS: 2"
   D. EXTERIOR WALLS (EXPOSED TO WEATHER): 2"
   E. FACES OF WALLS OTHER THAN THOSE NOTED ABOVE: 3/4"
   F. FOUNDATION PIERS: 2" TO TIES
   G. ALL FACES OF BEAMS AND COLUMNS: 1-1/2" TO TIES
   H. TOPPING SLAB: 3/4"
   I. SLAB-ON-DECK: 3/4" FROM DECK, 3/4" FROM TOP SURFACE
6. ALL LAPS SHALL BE FULL TENSION LAPS (CLASS B SPLICE) UNLESS SPECIFICALLY NOTED OTHERWISE. DOWELS SHALL MATCH SIZE AND SPACING OF MAIN REINFORCEMENT, UNLESS OTHERWISE NOTED.
7. DEFORMED BAR ANCHORS (DBA'S): NELSON DEFORMED BAR ANCHORS, D2L (OR ACCEPTED EQUAL) AS FOLLOWS: ASTM A 496; FY = 70KSI (MIN); FU = 80KSI (MIN); WELDED ACCORDING TO AWS D1.1, CHAPTER 7 WITH A STUD WELDING GUN.
8. CHAIRS AND SPACERS SHALL BE PLACED TO ADEQUATELY SUPPORT REINFORCING DURING PLACEMENT. FOREIGN MATERIALS SUCH AS WOOD, CLAY BRICK OR OTHER UNSUITABLE SUPPORTS SHALL NOT BE USED TO SUPPORT REINFORCING. SET WIRE TIES SO ENDS ARE DIRECTED INTO CONCRETE WHERE CONCRETE WILL BE EXPOSED. DO NOT USE CONCRETE SUPPORTS OR PUDDLING FOR SLABS UNLESS SUBMITTED AND ACCEPTABLY REVIEWED.

G. CONCRETE FORMWORK

1. CONCRETE FORMS SHALL BE CLEAN AND FREE FROM DEBRIS. IF FORMS ARE COATED WITH A VEGETABLE BASED (SOY) RELEASE AGENT, WHICH SHALL NOT STAIN CONCRETE OR ABSORB MOISTURE OR IMPAIR NATURAL BONDING OF CONCRETE.
2. COORDINATE WITH REINFORCING SUBMITTAL FOR OPENING AND ADDITIONAL REQUIREMENTS. OBTAIN APPROVAL BEFORE FRAMING OPENINGS IN STRUCTURAL ELEMENTS WHICH ARE NOT INDICATED ON DRAWINGS.
3. PROVIDE BRACING TO ENSURE STABILITY OF FORMWORK. DO NOT REMOVE FORMS OR BRACING UNTIL CONCRETE HAS GAINED SUFFICIENT STRENGTH TO CARRY ITS OWN WEIGHT AND IMPOSED LOADS.
4. ALL WALL SIDES AND SLAB EDGES EXPOSED TO VIEW TO HAVE CLASS A – CLASS OF SURFACE.

BASIS OF DESIGN

1. BUILDING CODE: 2015 VERMONT FIRE AND BUILDING SAFETY CODE; 2015 INTERNATIONAL BUILDING CODE; 2015 INTERNATIONAL EXISTING BUILDING CODE
2. DEAD LOADS:
   A. ROOF DEAD LOAD: 20 PSF SUPERIMPOSED + CLT SELF-WEIGHT
   B. SECOND FLOOR DEAD LOAD: 30 PSF SUPERIMPOSED + CLT SELF-WEIGHT
   C. TERRACE DEAD LOAD (PAVERS): 20 PSF SUPERIMPOSED + CLT SELF-WEIGHT
   D. TERRACE DEAD LOAD (BALLAST/GREEN ROOF): 35 PSF SUPERIMPOSED (ON LVL FRAMING)
3. LIVE LOADS:
   A. ROOF LIVE LOAD: SNOW LOAD GOVERNS
   B. FLOOR LIVE LOAD (LIVE LOAD REDUCTION NOT USED): 150 PSF OR 1,000 # CONCENTRATED
   C. TERRACE LIVE LOAD: 100 PSF
   D. STAIRS: 100 PSF
4. ROOF SNOW LOAD:
   A. GROUND SNOW LOAD, P_g: 50 PSF
   B. FLAT ROOF SNOW LOAD, P_f: 40 PSF
   C. SNOW EXPOSURE FACTOR, C_e: 1.0
   D. SNOW LOAD IMPORTANCE FACTOR, I: 1.1
   E. THERMAL FACTOR, C_t: 1.0
5. WIND DESIGN DATA:
   A. BASIC WIND SPEED (3-SECOND GUST), V: 120 MPH
   B. WIND EXPOSURE: B
   C. INTERNAL PRESSURE COEFFICIENTS: +/- 0.18
   D. COMPONENTS AND CLADDING WIND PRESSURE: PER ASCE 7
6. EARTHQUAKE DESIGN DATA:
   A. SEISMIC IMPORTANCE FACTOR, I: 1.25
   B. RISK CATEGORY: III
   C. MAPPED SPECTRAL RESPONSE ACCELERATION, S_S: 0.285
   D. MAPPED SPECTRAL RESPONSE ACCELERATION S_1: 0.094
   E. SITE CLASS: C
   F. SPECTRAL RESPONSE COEFFICIENT, S_{DS}: 0.228
   G. SPECTRAL RESPONSE COEFFICIENT, S_{D1}: 0.106
   H. SEISMIC DESIGN CATEGORY: B
   I. BASIC SEISMIC-FORCE-RESISTING SYSTEM: LIGHT-FRAMED WOOD SHEAR WALLS & STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
   J. DESIGN BASE SHEAR: 137.6K
   K. SEISMIC RESPONSE COEFFICIENT, C_S: 0.095
   L. RESPONSE MODIFICATION FACTOR, R: 3
   M. ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE PROCEDURE
7. ALLOWABLE SOIL BEARING PRESSURE: 3,000 PSF (M&W SOILS ENGINEERING, INC. PRELIMINARY GEOTECHNICAL REPORT DATED AUGUST 17, 2024)

ABBREVIATIONS

AB	ANCHOR BOLT	F.S.	FAR SIDE
AFF	ABOVE FINISH FLOOR	N.S.	NEAR SIDE
B.O.F.	BOTTOM OF FOOTING	o/c	ON CENTER
DWG	DRAWING	P#	PIER DESIGNATION
E.F.	EACH FACE	PL	PLATE
ELEV.	ELEVATION	SS	STAINLESS STEEL
E.O.P.	EDGE OF PANEL	STD	STANDARD
E.O.S.	EDGE OF SLAB	T.O.F.	TOP OF FOOTING
EQ	EQUAL	T.O.S.	TOP OF STEEL
E.S.	EACH SIDE	T.O.W.	TOP OF WALL
E.W.	EACH WAY	TYP.	TYPICAL
EX.	EXISTING	U.N.O.	UNLESS NOTED OTHERWISE
F#	FOOTING DESIGNATION	V.I.F.	VERIFY IN FIELD
FND	FOUNDATION	W.P.	WORKPOINT

DRAWING LEGEND

NOTE: NOT ALL SYMBOLS AND NOTATIONS USED

- NORTH ARROW
- ELEVATION
- [XX' - XX"] TOP OF FOOTING ELEV.
- 1 / S2.1 SECTION NUMBER / DRAWING WHERE SHOWN
- DECK / SPAN DECK SPAN DIRECTION
- 1/8" / FT SLOPE DIRECTION AND MAGNITUDE
- 12 / 6 ROOF PITCH
- 8" FOOTING STEP
- OPENING
- BEAM PENETRATION - SEE SCHEDULE ON S3.02
- CONCRETE
- GROUT
- 3/4" CRUSHED STONE
- STRUCTURAL FILL
- RIGID INSULATION
- WOOD
- UNDISTURBED SUBGRADE

ISSUED FOR CONSTRUCTION 01/24/2025

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
**ATTN: CHRIS HUST

H. STRUCTURAL STEEL

1. UNLESS OTHERWISE NOTED, STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING:
   A. WIDE FLANGE SECTIONS: ASTM A572 GRADE 50 OR ASTM A992 (FY = 50 KSI)
   B. ANGLES, CHANNELS, PLATE AND OTHER HOT-ROLLED SHAPES: ASTM A36 (FY = 36 KSI)
   C. TUBES: ASTM A500 GRADE C. RECTANGULAR: 50 KSI; ROUND: 46 KSI.
   D. BASEPLATES, CONNECTION PLATES, STIFFENER PLATES: ASTM A572 GRADE 50 OR ASTM A992 (FY = 50 KSI)
   E. THREADED RODS: ASTM A572 GRADE 50
   F. ANCHOR BOLTS: ASTM F1554 GRADE 55, UNLESS NOTED OTHERWISE.

2. BOLTS, NUTS AND WASHERS: ASTM A325 TYPE 1 BOLTS (3/4" MINIMUM DIAMETER), ASTM A563 DH HEAVY HEX NUTS WITH ASTM F436 HARDENED WASHERS. PROVIDE BOLT ASSEMBLIES GALVANIZED TO ASTM A153 AT GALVANIZED STRUCTURAL MEMBERS.

3. SUBMITTALS FOR REVIEW
   A. SHOP DRAWINGS: INDICATE PROFILES, SIZES, SPACING, AND LOCATIONS OF STRUCTURAL MEMBERS, DECKING, OPENINGS, ATTACHMENTS, AND FASTENERS. SHOW ALL CONNECTION DETAILS. PROVIDE DESIGN OF CONNECTIONS NOT DETAILED ON DRAWINGS. INDICATE WELDED CONNECTIONS WITH AWS A2.0 WELDING SYMBOLS. INDICATE NET WELD LENGTHS.
   B. EACH SHOP DRAWING SHALL BE DATED AND IDENTIFIED WITH A UNIQUE DRAWING NUMBER AND REVISION NUMBER. RESUBMITTED SHOP DRAWINGS SHALL BE GIVEN A NEW REVISION NUMBER, AND ALL CHANGES/ADDITIONS/DELETIONS FROM THE PREVIOUS SUBMISSION SHALL BE CLEARLY IDENTIFIED.
   C. ERECTION DRAWINGS SHALL INCLUDE DETAILS OF ALL FIELD WELDING AND ANY OTHER SPECIAL FIELD INSTRUCTIONS.

4. SUBMITTALS FOR INFORMATION
   A. MANUFACTURER'S MILL CERTIFICATE: CERTIFY THAT PRODUCTS MEET OR EXCEED SPECIFIED REQUIREMENTS.
   B. MILL TEST REPORTS: SUBMIT INDICATING STRUCTURAL STRENGTH, DESTRUCTIVE AND NON-DESTRUCTIVE TEST ANALYSIS.
   C. WELDERS CERTIFICATES: CERTIFY WELDERS EMPLOYED ON THE WORK, VERIFYING AWS QUALIFICATION WITHIN THE PREVIOUS 12 MONTHS.

5. DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE "MANUAL OF STEEL CONSTRUCTION," 14TH EDITION, BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, AND THE STRUCTURAL WELDING CODE (AWS D1.1) LATEST EDITION, BY THE AMERICAN WELDING SOCIETY.

6. DESIGN OF STEEL CONNECTIONS: CONTRACTOR IS RESPONSIBLE FOR DESIGN OF ALL STEEL CONNECTIONS OR PORTIONS OF CONNECTIONS NOT FULLY DETAILED IN THE CONTRACT DOCUMENTS, FOR THE SPECIFIED CONNECTION FORCES. IN NO CASE SHALL LOADS BE LESS THAN 12 KIPS (ASD).

7. STRUCTURAL STEEL CONNECTIONS SHALL BE AS FOLLOWS:
   A. DESIGN CALCULATIONS, SIGNED AND SEALED BY CONTRACTOR'S PROFESSIONAL ENGINEER (REGISTERED IN THE STATE OF VERMONT) SHALL BE SUBMITTED FOR ALL CONNECTIONS NOT FULLY DETAILED IN THE STRUCTURAL DRAWINGS.
   B. CALCULATIONS FOR STANDARD, REPETITIVE BEAM CONNECTIONS ARE TO BE SUBMITTED IN THE FORM OF SUMMARIZED CAPACITY TABLES FOR EACH TYPE OF CONNECTION USED (DOUBLE ANGLE, SHEAR PLATE, ETC.). THE TABLES ARE TO BE ACCOMPANIED BY A DETAIL CLEARLY SHOWING THE CONNECTION GEOMETRY, INCLUDING THE NUMBER, SIZE, GRADE AND TYPE (BEARING OR SLIP-CRITICAL) OF BOLTS; SIZE OF BOLT HOLES; SIZE, GRADE, AND GEOMETRY OF CONNECTION ANGLES OR PLATES; SIZE AND LENGTH OF WELDS; AND MINIMUM WEB THICKNESS FOR FULL CAPACITY. COMPUTER PRINTOUTS OF DETAILED CONNECTION CHECKS FOR EACH INDIVIDUAL PIECE (AS GENERATED BY SOME DETAILING SOFTWARE) ARE NOT ACCEPTABLE FOR THE STANDARD, REPETITIVE BEAM CONNECTIONS.
   C. CALCULATIONS FOR NON-STANDARD CONNECTIONS SHALL INCLUDE A DETAIL SHOWING THE CONNECTION GEOMETRY AND DESIGN FORCES, AND FULL CALCULATIONS DEMONSTRATING THE ADEQUACY OF THE CONNECTION.
   D. CONTRACTOR TO SUBMIT CONNECTION DETAILS AND CALCULATIONS IN ADVANCE OF PREPARING PIECE DRAWINGS SO AS TO STREAMLINE THE SHOP DRAWING PREPARATION AND REVIEW PROCESS.
   E. ALL CONNECTIONS UNLESS INDICATED OTHERWISE SHALL BE MADE WITH 3/4 INCH DIAMETER A325 BOLTS.
      - AT MOMENT CONNECTIONS, BOLTS SHALL BE DESIGNED AS TYPE "SC" SLIP CRITICAL CONNECTIONS.
      - ALL OTHER BOLTS MAY BE BEARING BOLTS (THREADS INCLUDED) TIGHTENED TO THE SNUG-TIGHT CONDITION, UNLESS NOTED OTHERWISE.
   F. THE MINIMUM NUMBER OF BOLTS IN ANY CONNECTION SHALL BE TWO 3/4 INCH DIAMETER A325 BOLTS, UNLESS INDICTED OTHERWISE.
   G. IN CONNECTIONS OF BEAMS AND GIRDERS, THE MINIMUM NUMBER OF BOLTS SHALL BE REQUIRED TO DEVELOP THE BEAM SHEAR "V" NOTED ON THE CONTRACT DRAWINGS, THE PLAN NOTES SHALL ALSO BE APPLIED. IF THE BEAM SHEAR IS NOT NOTED, THE CONNECTIONS SHALL DEVELOP THE BEAM SHEAR (V=2W/3) WHERE W = THE TOTAL ALLOWABLE BEAM UNIFORM LOAD BASED ON SIMPLE SPAN MOMENTS AND BRACED COMPRESSION FLANGES. (SEE AISC MANUAL OF STEEL CONSTRUCTION, BEAMS); LOADS SHOWN ARE THE SERVICE (UNFACTORED) DESIGN FORCES INDICATED ON THE DRAWINGS. ANY 1/3 ALLOWABLE STRESS INCREASE MAY NOT BE TAKEN WITH THE SPECIFIED DESIGN FORCES.
   H. CONNECTIONS OF BEAM AND GIRDERS SHALL DEVELOP THE BEAM SHEAR DESCRIBED ABOVE IN ADDITION TO AXIAL FORCES LISTED ON THE STRUCTURAL DRAWINGS. (COMPRESSION OR TENSION) DO NOT USE SINGLE PLATE CONNECTIONS FOR FRAMING WITH AXIAL LOADS.
   I. MOMENT CONNECTIONS SHALL BE DESIGNED TO DEVELOP THE MOMENT "M" NOTED ON THE CONTRACT DRAWINGS.
   J. DESIGN OF STEEL CONNECTIONS FOR SHEAR SHALL INCLUDE THE EFFECTS OF ECCENTRICITY.
   K. CONTRACTOR SHALL PROVIDE STIFFENERS, WEB DOUBLER PLATES, AND OTHER REINFORCEMENT AS NECESSARY TO RESIST LOCAL EFFECTS DUE TO THE SPECIFIED CONNECTION LOADS.
   L. SINGLE-ANGLE CONNECTIONS MAY NOT BE USED FOR BEAM CONNECTIONS.
   M. THE MINIMUM THICKNESS OF GUSSET AND FIN PLATES SHALL BE 3/8".

8. ALL STRUCTURAL SHOP AND FIELD WELDING SHALL BE MADE WITH ELECTRODES DESIGNED BY E70XX LOW HYDROGEN, IN ACCORDANCE WITH AWS D1.1, PERFORMED BY CERTIFIED WELDERS.

9. ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) - SEE SPECIFICATION 051213
   A. THERE SHALL BE A MANDATORY PRE-DETAILING MEETING WITH ARCHITECT, STRUCTURAL ENGINEER AND FABRICATOR TO DISCUSS PROJECT REQUIREMENTS.
   B. AESS CATEGORY 1 PER ANSI/AISC 303-22 SECTION 10:
      1. AESS CATEGORY 1 CHARACTERISTICS:
         - SURFACE PREPARATION TO SSPC-SP 6.
         - SHARP EDGES EASED.
         - CONSISTENT BOLT APPEARANCE.
         - WELD SPATTERS REMOVED.
      2. APPLICABLE COMPONENTS:
         - ALL BEAMS, COLUMNS AND BRACING ABOVE SLAB & BELOW CLT ROOF DECKING, EXCEPT FOR THOSE LISTED IN SECTION 9.C.2 BELOW & STEEL FRAMING CONCEALED WITHIN WALLS (SEE ARCH DWGS).
   C. AESS CATEGORY 2 PER ANSI/AISC 303-22 SECTION 10:
      1. AESS CATEGORY 2 CHARACTERISTICS:
         - LEVEL 1 CHARACTERISTICS LISTED ABOVE, AND:
         - FABRICATED PRODUCT SHALL HAVE ONE-HALF THE APPLICABLE ASTM OR AWS STRAIGHTNESS TOLERANCE.
         - FABRICATION AND ERECTION MARKS NOT VISIBLE.
         - MILL MARKS NOT VISIBLE.
      2. APPLICABLE COMPONENTS:
         - COLUMNS:
            - LEVEL 1: A-2.5, A-3.1, A-4, C-1, C-2, C-2.5, C-4, E-2.5, E-3, E-4, F-3.8, XA-X1, XA-X2, XA-X3, XB-X2, XB-X3, XB-X4, XB2.7-X4, XC3.5-X4, XD-X4, XD-X5, XD-X6, XD-X7
            - LEVEL 2: A-2.5, A-3.1, A-4, B-3, C-2, C-3, C-4, C-5, E-2.5, E-3, E-4, E-5, F-3.8, XA-X2, XA-X2.5, XA-X3, XB-X2, XB-X3, XB-X4, XB2.7-X4, XC3.5-X4
         - BEAMS:
            - LEVEL 1: GRID XA, GRID XD, GRID X2, GRID X4, STAIR A FRAMING
            - LEVEL 2: GRID XA, GRID XB, GRID X2, GRID X2.5, GRID X3, STAIR A FRAMING
         - BRACING:
            - LEVEL 1: GRID A, GRID XD, GRID X4
            - LEVEL 2: GRID A, GRID 3, GRID X4

10. GROUT: NON-SHRINK TYPE, PRE-MIXED COMPOUND CONSISTING OF NON-METALLIC AGGREGATE CEMENT, WATER REDUCING AND PLASTICIZING ADDITIVES, CAPABLE OF DEVELOPING A MINIMUM COMPRESSIVE STRENGTH OF 7,000 PSI AT 28 DAYS AS MANUFACTURED BY FIVE STAR PRODUCTS, INC., FAIRFIELD, CT, OR APPROVED EQUIVALENT.

11. SHOP AND TOUCH-UP PRIMER (DESIGN BASIS): SEE DIVISION 9. COORDINATE WITH ARCHITECTURAL COATINGS AND FINISHES.

12. TOUCH-UP PRIMER FOR GALVANIZED SURFACES (DESIGN BASIS): SEE DIVISION 9. COORDINATE WITH ARCHITECTURAL COATINGS AND FINISHES.

13. FINISH
   A. COORDINATE ALL COATINGS WITH DIVISION 9 SPECIFICATION REQUIREMENTS
   B. WHERE INDICATED, STRUCTURAL STEEL MEMBERS ARE TO BE GALVANIZED IN ACCORDANCE WITH ASTM A123. PROVIDE MINIMUM 1.25 OZ/SQ FT GALVANIZED COATING. ALL MEMBERS EXPOSED TO THE EXTERIOR OR EXTENDING THROUGH AND BEYOND BUILDING ELEMENT SHALL BE GALVANIZED

14. ERECTION
   A. ALLOW FOR ERECTION LOADS, AND FOR SUFFICIENT TEMPORARY BRACING TO MAINTAIN STRUCTURE SAFE, PLUMB, AND IN TRUE ALIGNMENT UNTIL COMPLETION OF ERECTION AND INSTALLATION OF PERMANENT BRACING.
   B. FIELD WELD COMPONENTS INDICATED ON DRAWINGS AND SHOP DRAWINGS.
   C. DO NOT FIELD CUT OR ALTER STRUCTURAL MEMBERS WITHOUT APPROVAL OF ARCHITECT/ENGINEER.
   D. AFTER ERECTION, PRIME WELDS, ABRASIONS, AND SURFACES NOT SHOP PRIMED, EXCEPT SURFACES TO BE IN CONTACT WITH CONCRETE.
   E. GROUT UNDER BASE PLATES WITH PRE-MIXED NON-SHRINK GROUT WITH MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 7,000 PSI.

I. WOOD FRAMING NOTES

1. UNLESS OTHERWISE SPECIFIED, EACH PIECE OF LUMBER SHALL BEAR THE GRADE MARK, STAMP, OR OTHER IDENTIFYING MARKS INDICATING GRADES OF MATERIAL, AND RULES OR STANDARDS UNDER WHICH PRODUCED. SUCH IDENTIFYING MARKS ON A MATERIAL SHALL BE IN ACCORDANCE WITH THE RULE OR STANDARD UNDER WHICH MATERIAL IS PRODUCED, INCLUDING REQUIREMENTS FOR QUALIFICATIONS AND AUTHORITY OF THE INSPECTION ORGANIZATION, USAGE OF AUTHORIZED IDENTIFICATION, AND INFORMATION INCLUDED IN THE IDENTIFICATION. THE INSPECTION AGENCY FOR LUMBER SHALL BE APPROVED BY THE BOARD OF REVIEW, AMERICAN LUMBER STANDARDS COMMITTEE, TO GRADE SPECIES USED.

2. PROTECT LUMBER AND OTHER PRODUCTS FROM DAMPNESS BOTH DURING AND AFTER DELIVERY AT THE SITE. PILE PLYWOOD AND LUMBER IN STACKS IN SUCH A MANNER AS TO PROVIDE ADEQUATE AIR CIRCULATION AND TO PREVENT WARPING. LOCATE STACKS IN WELL DRAINED AREAS, SUPPORTED AT LEAST SIX INCHES ABOVE GRADE AND COVER WITH WELL VENTILATED SHEDS HAVING A FIRMLY CONSTRUCTED OVERHANGING ROOF AS WELL AS SUFFICIENT END WALL TO PROTECT LUMBER FROM DRIVING RAIN.

3. STORE SEASONED MATERIALS IN DRY PORTIONS OF BUILDING.

4. PROTECT SHEET MATERIALS FROM CORNERS BREAKING AND DAMAGING SURFACES WHILE UNLOADING.

5. NOMINAL SIZES ARE INDICATED EXCEPT AS SHOWN BY DETAIL DIMENSIONS. PROVIDE ACTUAL SIZES AS REQUIRED BY PRODUCT STANDARD 20, DEPARTMENT OF COMMERCE.

6. MAXIMUM MOISTURE CONTENT SHALL NOT EXCEED 19%.

7. LIGHT GAGE METAL CONNECTIONS SHALL BE SIMPSON, SUBMIT MANUFACTURERS SPECIFICATION SHEETS.

LUMBER GRADES:

1. 2x6 BEARING WALLS, INTERIOR AND EXTERIOR LOCATIONS: SPRUCE-PINE-FIR No. 1 / No. 2 AS GRADED BY NLGA

2. STRUCTURAL ROOF AND FLOOR FRAMING: CROSS-LAMINATED TIMBER (CLT) PANELS OR SPRUCE-PINE-FIR No. 1 / No. 2 AS GRADED BY NLGA

3. PRESERVATIVE PRESSURE TREATED (P.P.T. or P.T.) LUMBER: SOUTHERN PINE No. 2, AS GRADED BY SPIB

4. LAMINATED VENEER LUMBER (LVL):
   A. PROVIDE LVL HEADERS AND BEAMS AS INDICATED.
   B. LVL FRAMING SHALL BE 1 3/4" WIDTH, UNLESS NOTED OTHERWISE.
   C. LVL FRAMING SHALL BE LAMINATED DOUGLAS FIR OR SOUTHERN PINE (GP LAM BY GEORGIA PACIFIC OR MICROLAM BY TRUS-JOIST OR EQUAL) MEETING THE FOLLOWING MINIMUM ALLOWABLE STRESS CRITERIA:
      - FB (BENDING STRESS) = 2,600 PSI
      - FV (HORIZ. SHEAR STRESS) = 285 PSI
      - E (MODULUS OF ELASTICITY) = 2,000,000 PSI
      - FC (COMPRESSION PERPENDICULAR TO GRAIN) = 750 PSI

5. LAMINATED STRAND LUMBER (LSL):
   A. PROVIDE LSL STUDS AS INDICATED.
   B. LSL FRAMING (TIMBERSTRAND BY TRUS-JOIST OR EQUAL) TO MEET THE FOLLOWING MINIMUM ALLOWABLE STRESS CRITERIA:
      - FB (BENDING STRESS) = 1,700 PSI
      - FV (HORIZ. SHEAR STRESS) = 425 PSI
      - E (MODULUS OF ELASTICITY) = 1,300,000 PSI
      - FC (COMPRESSION PERPENDICULAR TO GRAIN) = 710 PSI
      - FC (COMPRESSION PARALLEL TO GRAIN) = 1,835 PSI

6. CROSS-LAMINATED TIMBER (CLT): SEE CROSS-LAMINATED TIMBER NOTES (SECTION J).

7. MISCELLANEOUS LUMBER: PROVIDE WOOD FOR SUPPORT OR ATTACHMENT OF THE WORK INCLUDING NON-BEARING PARTITIONS, CANT STRIPS, BUCKS, NAILERS, BLOCKING, FURRING, GROUNDS, STRIPPING AND SIMILAR MEMBERS. PROVIDE LUMBER OF SIZES AND SHAPES INDICATED. GRADE: SPRUCE-PINE-FIR STUD GRADE AS GRADED BY NLGA.

MATERIALS:

1. ROOF SHEATHING: 5/8" ADVANTECH ROOF SHEATHING, STRUCTURAL 1 PANEL GRADE, MANUFACTURED BY HUBER ENGINEERED WOODS WITH A PS-2 SPAN RATING OF 40/20 AS DENOTED BY CODE EVALUATION REPORT ESR 1786.
   A. SECURE ROOF SHEATHING WITH LONGER EDGE PERPENDICULAR TO FRAMING MEMBERS AND WITH ENDS STAGGERED AND SHEET ENDS OVER BEARING. USE SHEATHING CLIPS BETWEEN SHEETS BETWEEN ROOF FRAMING MEMBERS. WHERE TONGUE AND GROOVE PLYWOOD IS USED, FULLY ENGAGE TONGUE AND GROOVE EDGES.

2. FLOOR SHEATHING: 23/32" ADVANTECH SUBFLOOR SHEATHING, STRUCTURAL 1 PANEL GRADE, MANUFACTURED BY HUBER ENGINEERED WOODS WITH A PS-2 SPAN RATING OF 24-INCHES AS DENOTED BY CODE EVALUATION REPORT ESR 1785.
   A. SECURE SUBFLOOR SHEATHING WITH LONGER EDGE PERPENDICULAR TO FLOOR FRAMING AND WITH END JOINTS STAGGERED AND SHEET ENDS OVER BEARING. ATTACH WITH SUB-FLOOR GLUE AND WOOD SCREWS AT 6" ON CENTER AT PERIMETER AND 12" ON CENTER ON INTERIOR OF PANEL.

3. WALL SHEATHING: 7/16" APA RATED SHEATHING.
   A. SECURE WALL SHEATHING WITH LONG DIMENSION PERPENDICULAR TO WALL STUDS, WITH ENDS OVER FIRM BEARING AND STAGGERED.

4. FASTENERS AND ANCHORS: FURNISH ITEMS OF ROUGH HARDWARE, METAL CONNECTORS, BOLTS, ETC., REQUIRED TO COMPLETE THE WORK. BOLTS, NUTS AND WASHERS SHALL BE HOT DIPPED ELECTRO GALVANIZED STEEL.

5. SILL GASKET ON TOP OF FOUNDATION WALL: 1/4 INCH THICK, PLATE WIDTH WIDE, CLOSED CELL POLYETHYLENE URETHANE FOAM FROM CONTINUOUS ROLLS.

6. SUBFLOOR GLUE: APA AFG-01, WATERPROOF OF WATER SOLVENT BASE, AIR CURE TYPE, CARTRIDGE DISPENSED.

7. WOOD PRESERVATIVE (PRESSURE TREATMENT): AWPA TREATMENT ACQ USING WATER BORNE PRESERVATIVE WITH 0.40 PERCENT RETAINAGE.

8. SET STRUCTURAL MEMBERS LEVEL AND PLUMB, IN CORRECT POSITION. PLACE HORIZONTAL MEMBERS, CROWN SIDE UP.

9. MAKE PROVISIONS FOR ERECTION LOADS, AND FOR SUFFICIENT TEMPORARY BRACING TO MAINTAIN STRUCTURE SAFE, PLUMB, AND IN TRUE ALIGNMENT UNTIL COMPLETION OF ERECTION AND INSTALLATION OF PERMANENT BRACING.

10. CONSTRUCT LOAD BEARING FRAMING FULL LENGTH WITHOUT SPLICES.

11. DOUBLE MEMBERS AT OPENINGS OVER 24 INCHES WIDE. SPACE SHORT STUDS OVER AND UNDER OPENING TO STUD SPACING.

12. CONSTRUCT DOUBLE JOIST HEADERS AT FLOOR AND CEILING OPENINGS AND UNDER WALL STUD PARTITIONS THAT ARE PARALLEL TO FLOOR JOISTS. FRAME RIGIDLY INTO JOISTS.

13. BRIDGE JOISTS FRAMING IN EXCESS OF 8 FEET SPAN AT MID-SPAN AND WHERE SHOWN ON DRAWINGS. FIT SOLID BLOCKING OR BRIDGING AT ENDS OF MEMBERS.

14. TOLERANCES:
   A. FRAMING MEMBERS: 1/4 INCH FROM TRUE POSITION, MAXIMUM.
   B. SURFACE FLATNESS OF FLOOR: 1/4 INCH IN 10 FEET MAXIMUM, AND 1/2 INCH IN 30 FEET MAXIMUM.

15. ALL POSTS AND COLUMNS FROM HEADERS AND BEAMS SHALL BEAR CONTINUOUSLY TO CONCRETE FOUNDATIONS INCLUDING BLOCKING IN FLOOR AND ROOF SPACES. BLOCKING SHALL BE OF THE SIZE AND SHAPE TO CARRY THE REQUIRED LOADING.

16. ALL BOTTOM BEARING PLATES, FOR STUD WALLS OR BEAM BEARING, SHALL BE ANCHORED TO THE FOUNDATION WITH 1/2" DIAMETER ANCHOR BOLTS AT 4'-0" ON CENTER, UNLESS NOTED OTHERWISE.

17. ALL BEARING WALLS SHALL BE BLOCKED AT 4'-0" ON CENTER, VERTICALLY, UNLESS NOTED OTHERWISE.

18. ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESERVATIVE PRESSURE TREATED, P.P.T.

19. ALL FASTENERS AND HANGERS FOR PRESSURE TREATED WOOD TO BE G90 HOT-DIPPED GALVANIZED.

20. PROVIDE 1/4" NOMINAL GAP BETWEEN WOOD FRAMING AND HORIZONTAL FACES OF CONCRETE WALLS.

J. CROSS-LAMINATED TIMBER (CLT) NOTES

1. SUBMITTALS FOR REVIEW:
   A. PRODUCT DATA:
      a. SUBMIT PRODUCT DATA FOR PROPRIETARY CONNECTORS
      b. SUBMIT PROPOSED SEALER FOR REVIEW
   B. SHOP DRAWINGS:
      a. SUBMIT DETAILED SHOP DRAWINGS OF THE CLT PANELS INDICATING PANEL LAYUP AND THICKNESS, DIMENSIONS, PANEL PLACEMENT AND SPANS, FABRICATION DETAILS AND CONNECTION DETAILS. CLEARLY INDICATE STRESS GRADE, APPEARANCE GRADE, AND SHOP APPLIED FINISHES.
      b. EACH SHOP DRAWING SHALL BE DATED AND IDENTIFIED WITH A UNIQUE DRAWING NUMBER AND REVISION NUMBER. RESUBMITTED SHOP DRAWINGS SHALL BE GIVEN A NEW REVISION NUMBER, AND ALL CHANGES/ADDITIONS/DELETIONS FROM THE PREVIOUS SUBMISSION SHALL BE CLEARLY IDENTIFIED.
      c. SUBMIT PRODUCT STRUCTURAL PROPERTIES OF CLT PANELS FOR VERIFICATION BY THE STRUCTURAL EOR.
   C. SAMPLES: PROVIDE 12" x 12" SAMPLE OF CLT MATERIAL FOR REVIEW.
   D. PROVIDE A LETTER OUTLINING STEPS TO BE TAKEN DURING CONSTRUCTION TO ENSURE ADEQUATE WEATHER PROTECTION OF WOOD STRUCTURES.
   E. IN LIEU OF GRADE STAMPING LUMBER EXPOSED TO VIEW, SUBMIT MANUFACTURER'S CERTIFICATE CERTIFYING THAT PRODUCTS MEET OR EXCEED SPECIFIED REQUIREMENTS.

2. QUALITY ASSURANCE:
   A. CLT PANELS SHALL COMPLY WITH ANSI/APA PRG 320 STANDARD FOR PERFORMANCE RATED CROSS-LAMINATED TIMBER.
   B. CLT PANELS SHALL BE IDENTIFIED WITH A TAG OR STAMP INDICATING LAYUP, MILL NAME, APPROVED AGENCY, AND THE SYMBOL OF ANSI/APA PRG 320.

3. DELIVERY, STORAGE AND HANDLING:
   A. PROTECT CLT FROM AND DAMAGE AT ALL TIMES DURING FABRICATION, TRANSPORTATION AND INSTALLATION.
   B. PROTECT CLT FROM DAMPNESS BOTH DURING AND AFTER DELIVERY AT THE SITE. ALL MATERIALS SHALL BE STORED LEVEL ON THE SITE AND SHALL BE RAISED OFF THE GROUND, STACKED USING SEPARATING SPACERS, AND COVERED WITH A WATERPROOF MATERIAL. IN THE CASE OF WRAPPED MEMBERS, THE WRAPPING SHALL BE SLIT ON THE UNDERSIDE TO PREVENT THE ACCUMULATION OF CONDENSATION. TAKE PARTICULAR CARE TO PROTECT EXPOSED END GRAIN.
   C. TAKE ALL NECESSARY PRECAUTIONS TO KEEP CLT DRY DURING AND AFTER INSTALLATION, INCLUDING TEMPORARY SLOPING TARPS AND UV PROTECTION.
   D. MEMBERS THAT WILL BE EXPOSED TO VIEW IN THE FINISHED BUILDING SHALL BE HANDLED USING NYLON OR FABRIC SLINGS TO PREVENT SURFACE DAMAGE.

4. MATERIALS:
   A. CROSS-LAMINATED TIMBER:
      a. MOISTURE CONTENT AT THE TIME OF MANUFACTURING SHALL BE 12% ±3%.
      b. SPECIES: BLACK SPRUCE AND/OR SPRUCE-PINE-FIR
      c. CLT LAYUP
         - 5-PLY MATERIAL: E1 STRESS GRADE: 105-3s LAYUP: 4 1/8" THICK
         - 5-PLY MATERIAL: E1 STRESS GRADE: 175-5s LAYUP: 6 7/8" THICK
      d. APPEARANCE CLASSIFICATION: ARCHITECTURAL.
   B. CONNECTORS:
      a. SCREWS, THROUGH BOLTS AND SPECIALTY CONNECTORS: AS SPECIFIED ON DRAWINGS.
      b. METAL STRAPS AND TIES: AS SPECIFIED ON DRAWINGS.
      c. STRUCTURAL STEEL CONNECTORS: AS SPECIFIED ON DRAWINGS.
   C. MISCELLANEOUS:
      a. WOOD SEALER SHALL BE COMPATIBLE WITH INDICATED FINISH. END SEALER SHALL BE EFFECTIVE IN RETARDING THE TRANSMISION OF MOISTURE AT CROSS-GRAIN CUTS.
      b. FINISH: WOOD COATINGS TO BE CLEAR AND NON-YELLOWING.

5. FABRICATION:
   A. CONFIRM ALL FIELD DIMENSIONS PRIOR TO FABRICATION. COORDINATE WITH SHOP DRAWINGS OF OTHER TRADES.
   B. CLT PANELS SHALL BE FABRICATED IN STRICT CONFORMANCE TO APPROVED SHOP DRAWINGS. FABRICATION PRIOR TO RECEIPT OF APPROVED SHOP DRAWINGS SHALL BE AT THE CONTRACTOR'S RISK.
   C. CLT PANELS SHALL BE FABRICATED TO JOIN TIGHTLY AND IN PROPER ALIGNMENT.
   D. REFERENCE ANSI/APA PRG 320 FOR DIMENSIONAL TOLERANCES.

6. INSTALLATION:
   A. FIT CLT PANELS CLOSELY AND ACCURATELY TO REQUIRED LEVELS AND LINES WITHOUT TRIMMING, CUTTING, OR OTHER MODIFICATIONS, UNLESS APPROVED IN WRITING BY THE ENGINEER.
   B. SECURELY ATTACH CLT TO SUPPORTS AS INDICATED ON THE DRAWINGS.
   C. SITE CUTTING OR BORING OF CLT, OTHER THAN SHOWN ON THE SHOP DRAWINGS, IS NOT PERMITTED WITHOUT WRITTEN CONSENT OF THE ENGINEER. COAT ALL FIELD-CUT OPENINGS WITH MINIMUM TWO COATS OF CLEAR SEALER.
   D. PROVIDE SILL GASKETS BELOW LAMINATIONS AND NON-RIGID VAPOR BARRIER SEALANT BETWEEN LAMINATIONS WHERE ASSEMBLY PASSES OVER EXTERIOR WALLS.
   E. PROVIDE MOISTURE BARRIER AT ALL LOCATIONS WHERE CLT ABUTS CONCRETE OR MASONRY CONSTRUCTION. ACCEPTABLE BARRIERS INCLUDE LIGHT GAUGE METAL, ASPHALT-IMPREGNATED BUILDING PAPER, CLOSED-CELL FOAM GASKET MATERIAL, SATURATED FELT ROLL ROOFING, OR 6-MIL-THICK POLYETHYLENE.
   F. PROVIDE GAPS AS REQUIRED FOR CONSTRUCTION TOLERANCES AND SWELLING. DETAILS AND LOCATIONS SHALL BE DISCUSSED WITH THE ENGINEER IN WRITING PRIOR TO CONSTRUCTION. GAPS ON THE INTERIOR OF THE BUILDING ARE TO BE FILLED AFTER THE BUILDING IS FULLY ENCLOSED AND TEMPERATURE-CONTROLLED.

7. ERECTION:
   A. FIELD MEASURE AND VERIFY THAT THE FOUNDATIONS AND ANY STRUCTURAL FRAMING THAT SUPPORTS THE CLT PANELS ARE IN THE CORRECT LOCATION, ALIGNMENT, AND AT THE PROPER ELEVATION. EXAMINE, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH REQUIREMENTS, INSTALLATION TOLERANCES, AND OTHER CONDITIONS AFFECTING PERFORMANCE OF THE WORK. THE CONTRACTOR SHALL NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN AN ACCEPTABLE MANNER. COMMENCEMENT OF ERECTION IMPLIES ACCEPTANCE OF CONDITIONS.
   B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY SHORING AND BRACING NECESSARY TO MAINTAIN THE STABILITY OF THE CLT SYSTEM DURING ERECTION. THE CONTRACTOR SHALL ENSURE THAT ALL CONNECTIONS WILL SUSTAIN ANY ERECTION LOADINGS THAT MAY OCCUR WITH AN ADEQUATE SAFETY FACTOR.
   C. FOR RECTANGULAR AREAS, THE CORNER-TO-CORNER DIAGONAL MEASUREMENTS SHOULD NOT DEVIATE FROM EACH OTHER BY MORE THAN 1/2 INCH OR 0.25% OF THE LENGTH OF THE SHORTEST SIDE OF THE RECTANGLE, WHICHEVER IS GREATER.
   D. OVERALL SURFACE LEVELNESS (FLOORS AND FLAT ROOFS): 1/4 INCH IN 10 FEET MAXIMUM.
   E. ELEVATION: PLUS OR MINUS 3/8 INCH FROM THEORETICAL.
   F. JOINTS: 3/16 INCH MAXIMUM GAP BETWEEN CLT PANELS OR INDIVIDUAL LAMINATIONS UNLESS NOTED OTHERWISE.
   G. MEMBERS SHALL FIT TOGETHER PROPERLY, WITHOUT TRIMMING, CUTTING OR ANY OTHER UNAUTHORIZED MODIFICATIONS. REPORT ANY DISCREPANCIES TO THE ARCHITECT, ENGINEER AND THE MANUFACTURER.

8. REPAIRS AND FINISHING:
   A. PRIOR TO FINISHING, REMOVE ANY STAINS, MARKS, OR OTHER DAMAGE THAT MAY HAVE OCCURRED DURING CONSTRUCTION.
   B. PROVIDE FIELD FINISH OF CLT AS SPECIFIED BY ARCHITECT.
   C. FINAL APPROVAL BY ARCHITECT WILL BE AFTER INSTALLATION OF ALL CLT. REMOVE AND REPLACE ALL WORK THAT DOES NOT CONFORM TO THE STANDARD OF THE APPROVED MOCKUP, AT ARCHITECT'S REQUEST. REPLACEMENT OF DEFECTIVE WORK IS AT CONTRACTOR'S EXPENSE.

K. POST-INSTALLED ANCHORS INTO CONCRETE AND MASONRY

1. WHERE A MANUFACTURER'S ANCHOR IS SPECIFICALLY CALLED OUT ON THE DRAWINGS, IT SHALL BE CONSIDERED THE DESIGN BASIS FOR THE REQUIRED ANCHOR. ALTERNATES MEETING OR EXCEEDING ANCHOR SYSTEM DEMANDS, INCLUDING, BUT NOT LIMITED TO CAPACITY LOADING, EDGE DISTANCE, SUBSTRATE THICKNESS FOR CONNECTION ELEMENTS AND BASE MATERIAL SHALL BE SUBMITTED FOR PROPOSED USE PENDING ACCEPTABLE REVIEW. SUBMIT ICC-ES CODE REPORTS.

2. ADHESIVE ANCHORS, WHERE NOT SPECIFICALLY DETAILED, SHALL BE:
   A. FOR CONCRETE AND CONCRETE MASONRY: HILTI HIT HY-200
   B. FOR EXISTING BRICK MASONRY: HILTI HIT-HY 270

   INSTALL IN ACCORDANCE WITH MANUFACTURERS' SPECIFICATIONS. USE 3/4 INCH DIAMETER AT MINIMUM EMBEDMENT UNLESS OTHERWISE INDICATED BY DETAIL. SEE NOTE 1.

3. EXPANSION ANCHORS, WHERE NOT SPECIFICALLY DETAILED, SHALL BE:
   A. FOR CONCRETE: HILTI KWIK BOLT TZ

   INSTALL IN ACCORDANCE WITH MANUFACTURERS' SPECIFICATIONS. USE 3/4 INCH DIAMETER AT MINIMUM EMBEDMENT UNLESS OTHERWISE INDICATED BY DETAIL. SEE NOTE 1.

4. SCREW TYPE ANCHORS: WHERE NOT SPECIFICALLY DETAILED, SHALL, FOR CONCRETE AND MASONRY: SIMPSON TITEN-HD INSTALL IN ACCORDANCE WITH MANUFACTURERS' SPECIFICATIONS. USE 3/4 INCH DIAMETER AT MINIMUM EMBEDMENT UNLESS OTHERWISE INDICATED BY DETAIL. SEE NOTE 1.

L. COLD-FORMED METAL FRAMING

1. DESIGN, MANUFACTURE, HANDLING AND ERECTION OF LIGHTWEIGHT STEEL FRAMING SHALL BE IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE (AISI) COLD FORMED STEEL DESIGN MANUAL - "SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS", LATEST EDITION.

2. WELDING SHALL BE IN ACCORDANCE WITH AMERICAN WELDING SOCIETY (AWS) STRUCTURAL WELDING CODE (D1.1), SPECIFICATION FOR WELDING SHEET STEEL IN STRUCTURES (D1.3).

3. ME

SPECIAL INSPECTION REQUIREMENTS

STRUCTURAL TESTS AND SPECIAL INSPECTIONS ARE REQUIRED ON THIS PROJECT FOR THE FOLLOWING PORTIONS OF CONSTRUCTION:

1. SOILS AND FOUNDATIONS
2. CAST-IN-PLACE CONCRETE
3. STRUCTURAL STEEL
4. WOOD

STRUCTURAL TESTS AND INSPECTIONS ARE TO BE PERFORMED BY THE REGISTERED DESIGN PROFESSIONAL AND/OR A QUALIFIED PERSON, COMPETANT IN THE INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION. THE REGISTERED DESIGN PROFESSIONALS AND SUGGESTIONS FOR TESTING AGENCIES ARE LISTED BELOW:

INSPECTION AGENT	FIRM	ADDRESS
STRUCTURAL ENGINEER OF RECORD	ENGINEERING VENTURES, PC	208 FLYNN AVE, SUITE 2A BURLINGTON, VT 05401
ARCHITECT OF RECORD	WIEMANN LAMPHERE ARCHITECTS, INC	38 EASTWOOD DRIVE, SUITE 301 SOUTH BURLINGTON, VT 05403
GEOTECHNICAL ENGINEER	M&W SOILS ENGINEERING, INC	159 EAST ST CHARLESTOWN, NH 03603
TESTING AGENCY	TBD	TBD
SPECIAL INSPECTION AGENT & COORDINATOR	TBD	TBD

NOTE: THE INSPECTORS AND TESTING AGENCIES SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S AGENT, AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE BUILDING OFFICIAL, PRIOR TO COMMENCING WORK.

SOILS & FOUNDATIONS

ITEM	FREQUENCY	AGENT	REFERENCES
NOTE: APPROVED SOILS REPORT AND CONSTRUCTION DOCUMENTS SHALL BE USED TO DETERMINE COMPLIANCE			
VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC	TA/GE	
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC	TA	
PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.	FOR EACH SOURCE OF FILL MATERIAL	TA	SPECIFICATIONS
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	CONTINUOUS	TA	
PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	ONCE FOR EACH AREA OF PLACEMENT	TA	
COMPACTION TESTING	EVERY OTHER LIFT, EVERY 1000 SF	TA	ASTM D2922

TA = TESTING AGENCY
EV = ENGINEERING VENTURES, PC
GE = GEOTECHNICAL ENGINEER

CAST-IN-PLACE CONCRETE

ITEM	SCOPE	FREQUENCY	REFERENCES	AGENT
MIX DESIGN	REVIEW MIX DESIGN FOR CONFORMANCE WITH SPECIFICATIONS	PRIOR TO CONSTRUCTION	ACI 318 SPECIFICATIONS	EV
MATERIAL CERTIFICATION	REVIEW SUBMITTALS FOR CONFORMANCE WITH SPECIFICATIONS	PRIOR TO CONSTRUCTION	ACI 318 SPECIFICATIONS	EV
REINFORCING INSTALLATION	REVIEW REINFORCING FOR SIZE, QUANTITY, CONDITION, AND PLACEMENT	PERIODIC	ACI 318 SPECIFICATIONS	TA
CONCRETE PLACEMENT	OBSERVE CONCRETE PLACEMENT OPERATIONS. VERIFY CONFORMANCE WITH HOT OR COLD WEATHER REQUIREMENTS. PERFORM SLUMP, DENSITY, AND AIR CONTENT TESTS AT POINT OF DISCHARGE.	PERIODIC	ACI 318 SPECIFICATIONS	TA
CURING AND PROTECTION	OBSERVE PROCEDURES FOR CONFORMANCE WITH SPECIFICATIONS	PERIODIC	ACI 318 SPECIFICATIONS	TA
EVALUATION OF CONCRETE STRENGTH	TEST (TA) AND EVALUATE (EV) FOR CONFORMANCE WITH SPECIFICATIONS	CONTINUOUS	ACI 318 SPECIFICATIONS	TA EV
ANCHOR RODS	VERIFY SIZE, POSITION AND EMBEDMENT OF ANCHOR RODS. VERIFY EMBEDDED END OF ROD (INCLUDING BENDS, WASHERS, NUTS) IS IN CONFORMANCE WITH APPROVED CONSTRUCTION DOCUMENTS.	ALL ANCHOR RODS, PRIOR TO CONCRETE POUR	ACI 318 SPECIFICATIONS	TA
POST-INSTALLED ANCHORS	VERIFY POST-INSTALLED ANCHOR TYPE, ANCHOR DIMENSIONS, ANCHOR SPACING, EDGE DISTANCES, ANCHOR EMBEDMENT AND TIGHTENING TORQUE.	PERIODIC		TA

TA = TESTING AGENCY
EV = ENGINEERING VENTURES, PC

SPECIAL INSPECTION REQUIREMENTS (CON'T)

STRUCTURAL STEEL

ITEM	SCOPE	FREQUENCY	REFERENCES	AGENT
FABRICATOR CERTIFICATION / QUALITY CONTROL PROCEDURES	FABRICATOR QUALITY CONTROL PROCEDURE SPECIFICATIONS AND DETAILED FABRICATION PROCEDURES	PRIOR TO CONTRUCTION	IBC SECTION 1704.2.1	EV
MATERIAL VERIFICATION OF STRUCTURAL STEEL	IDENTIFICATION MARKINGS TO CONFORM TO AISC 360	PERIODIC	AISC 360, SECTION M5.5	TA
MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS	IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	PERIODIC	AISC 360, A3.3 AND APPLICABLE ASTM STANDARDS	TA
HIGH-STRENGTH BOLTING	DETERMINATION THAT THE REQUIREMENTS FOR BOLTS, NUTS, WASHERS AND PAINT; BOLTED PARTS AND INSTALLATION AND TIGHTENTING STANDARDS ARE MET	PERIODIC	AISC 360, SECTION M2.5	TA
MATERIAL VERIFICATION OF WELD FILLER MATERIALS	IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS	PERIODIC	AISC 360, SECTION A3.5, AND APPLICABLE AWS A5 DOCUMENTS	TA
WELDING	WELDING INSPECTION AND WELDING INSPECTOR QUALIFICATIONS FOR STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH AWSD1.1	PERIODIC/CONTINUOUS	AWS D1.1 AND D1.3	TA
STRUCTURAL FRAMING, DETAILS AND ASSEMBLIES	REVIEW SUBMITTALS AND SHOP DRAWINGS FOR CONFORMANCE WITH CONSTRUCTION DOCUMENTS	PRIOR TO CONTRUCTION	AISC 360, SPECIFICATION	EV
STRUCTURAL FRAMING & DETAILS	VERIFY STEEL FRAME FOR COMPLIANCE WITH STRUCTURAL DRAWINGS, INCLUDING MEMBER LOCATION AND CONFIGURATION, BRACING, STIFFENERS, AND CONNECTION DETAILS	PERIODIC		TA

TA = TESTING AGENCY
EV = ENGINEERING VENTURES, PC

WOOD

ITEM	SCOPE	FREQUENCY	REFERENCES	AGENT
QUALITY CONTROL	FABRICATOR QUALITY CONTROL PROCEDURE SPECIFICATIONS	PRIOR TO CONTRUCTION	IBC SECTION 1704.2	TA
SHEAR WALLS & DIAPHRAGMS	VERIFY MATERIALS AND NAILING PATTERN. VERIFY LOCATION AND TYPE OF HOLDDOWNS AND STRAPS.	PERIODIC	IBC SECTION 1705.12.2	TA

TA = TESTING AGENCY
EV = ENGINEERING VENTURES, PC

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
JULIE L. REILLY
NO. 134842
STRUCTURAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

N

SPECIAL INSPECTIONS

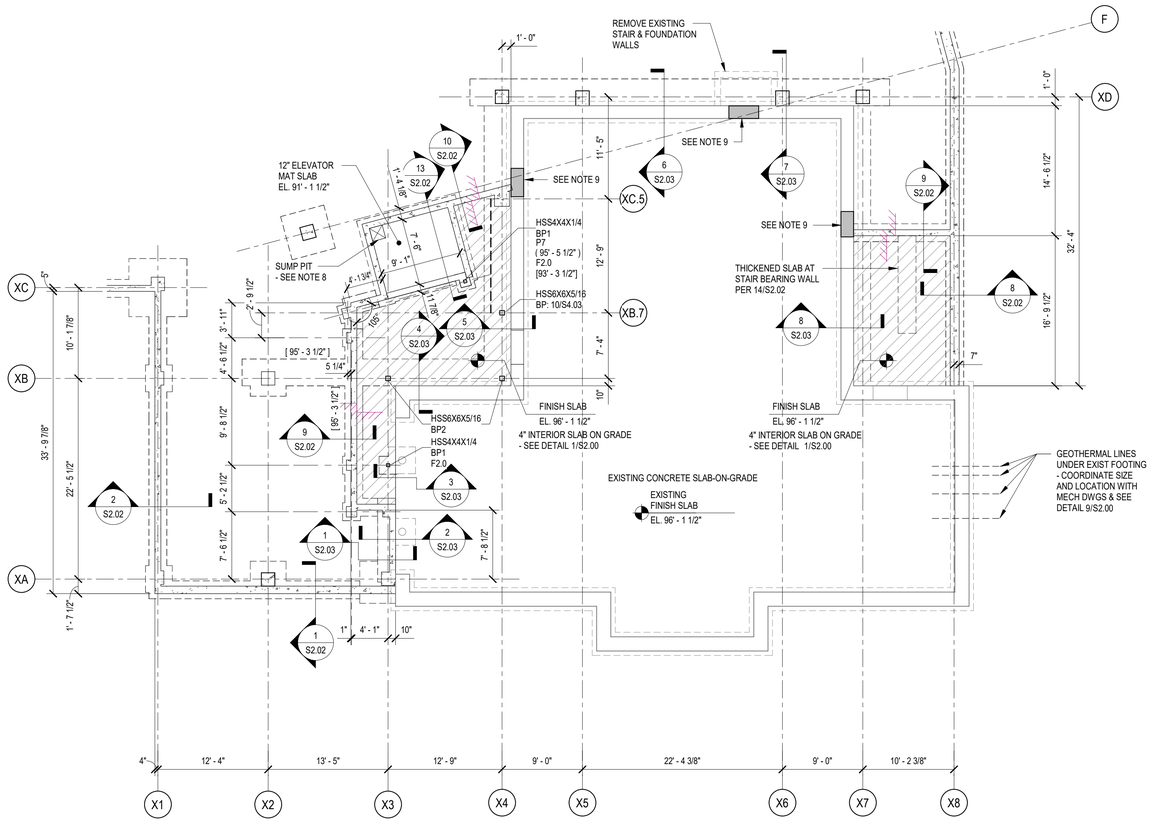
PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	1/2" = 1'-0"

S0.03

ISSUED FOR CONSTRUCTION
01/24/2025

PRINTED: 1/23/2025 12:11:24 PM FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_Julie=EV.rvt

FOOTING SCHEDULE				
Type	**Length**	**Width**	**Thickness**	**Reinforcing**
F2.0	2' - 0"	2' - 0"	1' - 0"	(3) - #5 x 1' - 8" E.W. BOT
F3.0	3' - 0"	3' - 0"	1' - 0"	(4) - #5 x 2' - 8" E.W. BOT
F3.5	3' - 6"	3' - 6"	1' - 0"	(4) - #5 x 3' - 2" E.W. BOT
F4.0	4' - 0"	4' - 0"	1' - 2"	(5) - #5 x 3' - 8" E.W. BOT
F4.5	4' - 6"	4' - 6"	1' - 4"	(5) - #5 x 4' - 2" E.W. BOT
F5.0	5' - 0"	5' - 0"	1' - 4"	(6) - #6 x 4' - 8" E.W. BOT
F5.5	5' - 6"	5' - 6"	1' - 6"	(6) - #6 x 5' - 2" E.W. BOT
F6.0	6' - 0"	6' - 0"	1' - 6"	(7) - #6 x 5' - 8" E.W. BOT
F6.5	6' - 6"	6' - 6"	1' - 8"	(7) - #6 x 6' - 2" E.W. BOT
F7.0	7' - 0"	7' - 0"	1' - 10"	(8) - #7 x 6' - 8" E.W. BOT & (8) #5 x 6' - 8" E.W. TOP
F7.5	7' - 6"	7' - 6"	1' - 10"	(8) - #7 x 7' - 2" E.W. BOT
F8.5	8' - 6"	8' - 6"	2' - 2"	(9) - #7 x 8' - 2" E.W. BOT



1 BASEMENT FOUNDATION PLAN
1/8" = 1'-0"

NOTES:

1. ELEVATIONS SHOWN ARE BASED ON FIRST FLOOR SLAB ELEVATION OF 99' - 5 1/2" WHICH REFERENCES CIVIL FINISH FLOOR ELEVATION 368.61'.
2. EXISTING 1923 BASEMENT TOP OF SLAB ELEVATION = 96' - 1 1/2".
3. ZZZZZ INDICATES EXTENTS OF NEW BASEMENT LEVEL SLAB-ON-GRADE.
4. "F#" DENOTES SPREAD FOOTING. SEE FOOTING SCHEDULE FOR SIZE AND REINFORCING.
5. "P#" DENOTES CONCRETE PIER. SEE SCHEDULE ON S2.01 FOR SIZE AND REINFORCING
6. "BP#" DENOTES BASE PLATE. SEE SCHEDULE ON S2.01 FOR SIZE.
7. [XX-XX"] INDICATES TOP OF FOOTING OR GRADE BEAM ELEVATION.
8. (XX-XX") INDICATES TOP OF PIER ELEVATION.
9. INFILL EXISTING FOUNDATION WALL OPENING. SEE DETAIL 12/S2.00 .
10. SEE SHEET S1.02S FOR CONTROL/CONSTRUCTION JOINT LAYOUT.
11. COORDINATE SUMP PIT LOCATION WITH ELEVATOR SUBMITTAL.
12. COORDINATE DOOR R.O.'s WITH ARCH DWGS AND DOOR SUBMITTALS.
13. ALL DIMENSIONS AND ELEVATIONS TO/FROM EXISTING MASONRY TO BE VERIFIED IN FIELD PRIOR TO FABRICATION.

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT JULIE L. REILLY NO. 134842 STRUCTURAL LICENSED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

BASEMENT FOUNDATION PLAN

PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	1/8" = 1'-0"

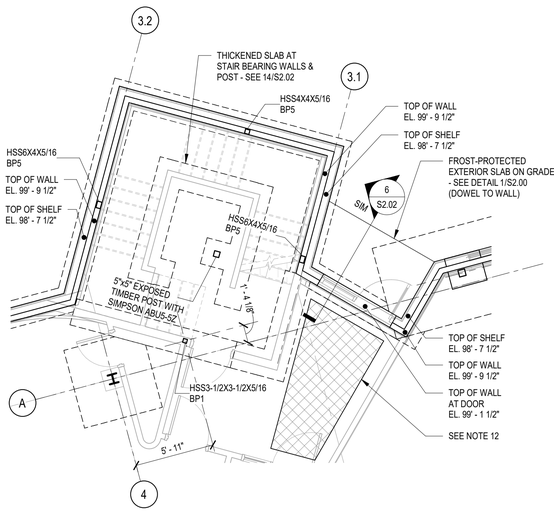
ISSUED FOR CONSTRUCTION
01/24/2025

S1.01

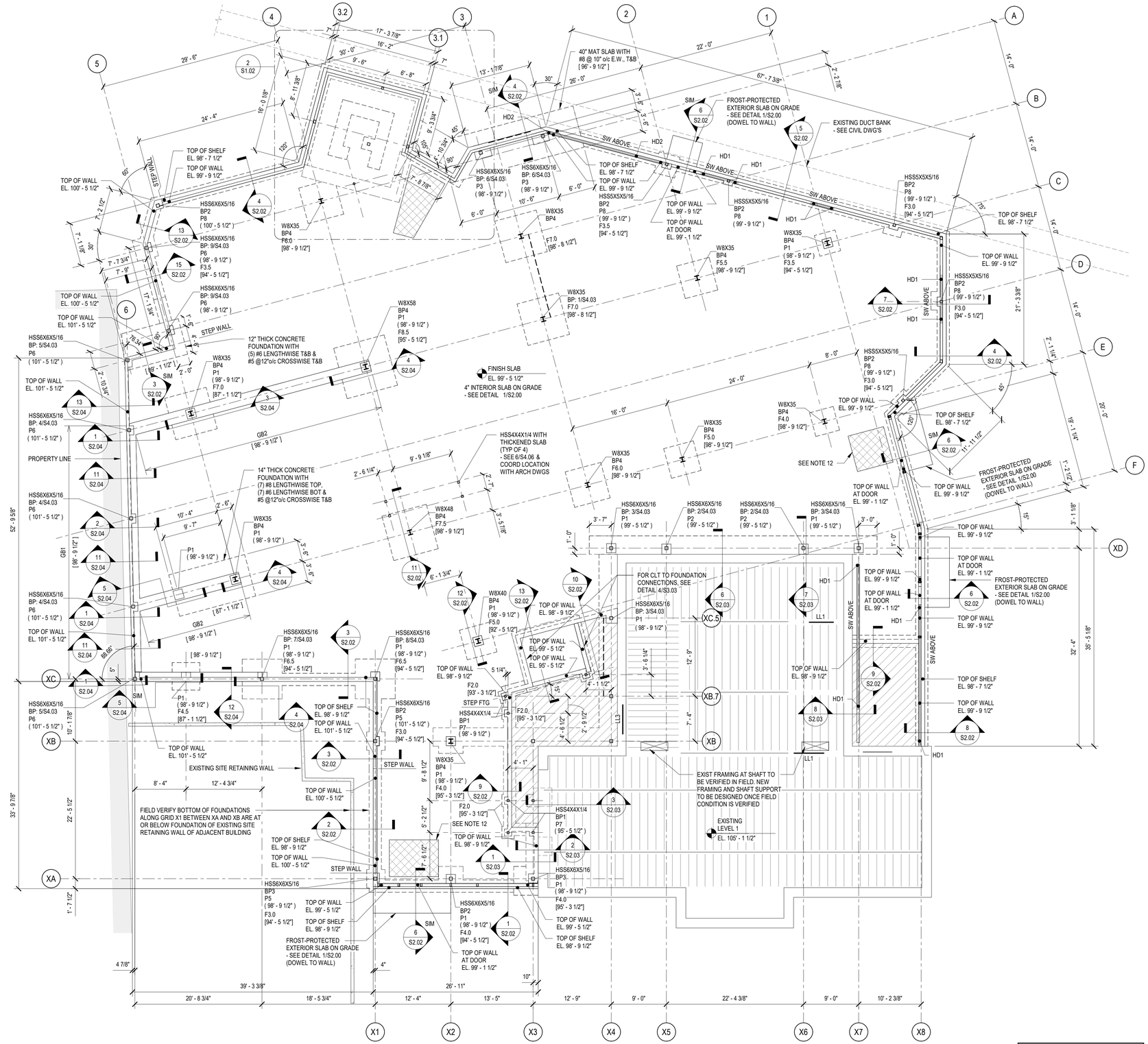
PRINTED: 1/23/2025 12:11:25 PM FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_Julier-EV.rvt

FOOTING SCHEDULE

Type	Length	Width	Thickness	Reinforcing
F2.0	2' - 0"	2' - 0"	1' - 0"	(3) - #5 x 1' - 8" E.W. BOT
F3.0	3' - 0"	3' - 0"	1' - 0"	(4) - #5 x 2' - 8" E.W. BOT
F3.5	3' - 6"	3' - 6"	1' - 0"	(4) - #5 x 3' - 2" E.W. BOT
F4.0	4' - 0"	4' - 0"	1' - 2"	(5) - #5 x 3' - 8" E.W. BOT
F4.5	4' - 6"	4' - 6"	1' - 4"	(5) - #5 x 4' - 2" E.W. BOT
F5.0	5' - 0"	5' - 0"	1' - 4"	(6) - #6 x 4' - 8" E.W. BOT
F5.5	5' - 6"	5' - 6"	1' - 6"	(6) - #6 x 5' - 2" E.W. BOT
F6.0	6' - 0"	6' - 0"	1' - 6"	(7) - #6 x 5' - 8" E.W. BOT
F6.5	6' - 6"	6' - 6"	1' - 8"	(7) - #6 x 6' - 2" E.W. BOT
F7.0	7' - 0"	7' - 0"	1' - 10"	(8) - #7 x 6' - 8" E.W. BOT & (8) #5 x 6' - 8" E.W. TOP
F7.5	7' - 6"	7' - 6"	1' - 10"	(8) - #7 x 7' - 2" E.W. BOT
F8.5	8' - 6"	8' - 6"	2' - 2"	(9) - #7 x 8' - 2" E.W. BOT



2 STAIR B ENLARGED PLAN
3/16" = 1'-0"



1 LEVEL 1 FOUNDATION PLAN
1/8" = 1'-0"

NOTES:

1. ELEVATIONS SHOWN ARE BASED ON FIRST FLOOR SLAB ELEVATION OF 99' - 5 1/2" WHICH REFERENCES CIVIL FINISH FLOOR ELEVATION 368.61'.
2. LEVEL 1 TOP OF SLAB ELEVATION = 99' - 5 1/2".
3. "F#" DENOTES SPREAD FOOTING. SEE FOOTING SCHEDULE FOR SIZE AND REINFORCING.
4. "P#" DENOTES CONCRETE PIER. SEE SCHEDULE ON S2.01 FOR SIZE AND REINFORCING
5. "GB#" DENOTES CONCRETE GRADE BEAM. SEE DETAIL 1/S2.01.
6. "BP#" DENOTES BASE PLATE. SEE SCHEDULE ON S2.01 FOR SIZE.
7. [XX-XX"] INDICATES TOP OF FOOTING OR GRADE BEAM ELEVATION.
8. (XX'-XX") INDICATES TOP OF PIER ELEVATION.
9. "TOP OF WALL" DENOTES TOP OF FOUNDATION WALL ELEVATION.
10. "TOP OF SHELF" DENOTES TOP OF FOUNDATION WALL SHELF ELEVATION.
11. "HD#" DENOTES HOLD DOWN AT LEVEL 1. SEE SHEET S3.03 FOR HOLD DOWN SCHEDULE AND HOLD DOWN DETAILS.
12. "LL#" DENOTES LOOSE LINTEL. SEE LINTEL SCHEDULE ON DETAIL 10/S3.02 .
13. ▨ INDICATES BASEMENT LEVEL SLAB-ON-GRADE - SEE SHEET S1.01.
14. ▭ INDICATES 11/16" SLAB DEPRESSION FOR WALK OFF MAT - SEE DETAIL 13/S2.00 AND COORDINATE LAYOUT WITH ARCH DWGS.
15. SEE SHEET S1.02S FOR CONTROL/CONSTRUCTION JOINT LAYOUT.
16. COORDINATE DOOR R.O.'s WITH ARCH DWGS AND DOOR SUBMITTALS.
17. ALL DIMENSIONS AND ELEVATIONS TO/FROM EXISTING MASONRY TO BE VERIFIED IN FIELD PRIOR TO FABRICATION.
18. PERIMETER FOUNDATION WALL TOP OF FOOTING ELEVATION = 94' - 5 1/2" UNLESS NOTED OTHERWISE. BOTTOM OF FOOTING ELEVATION TO BE MINIMUM 5' - 0" BELOW FINISH GRADE.
19. SEE SHEET S1.06 FOR SITE FOUNDATION WALLS.

ISSUED FOR CONSTRUCTION
01/24/2025

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
JULIE L. REILLY
NO. 134842
STRUCTURAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

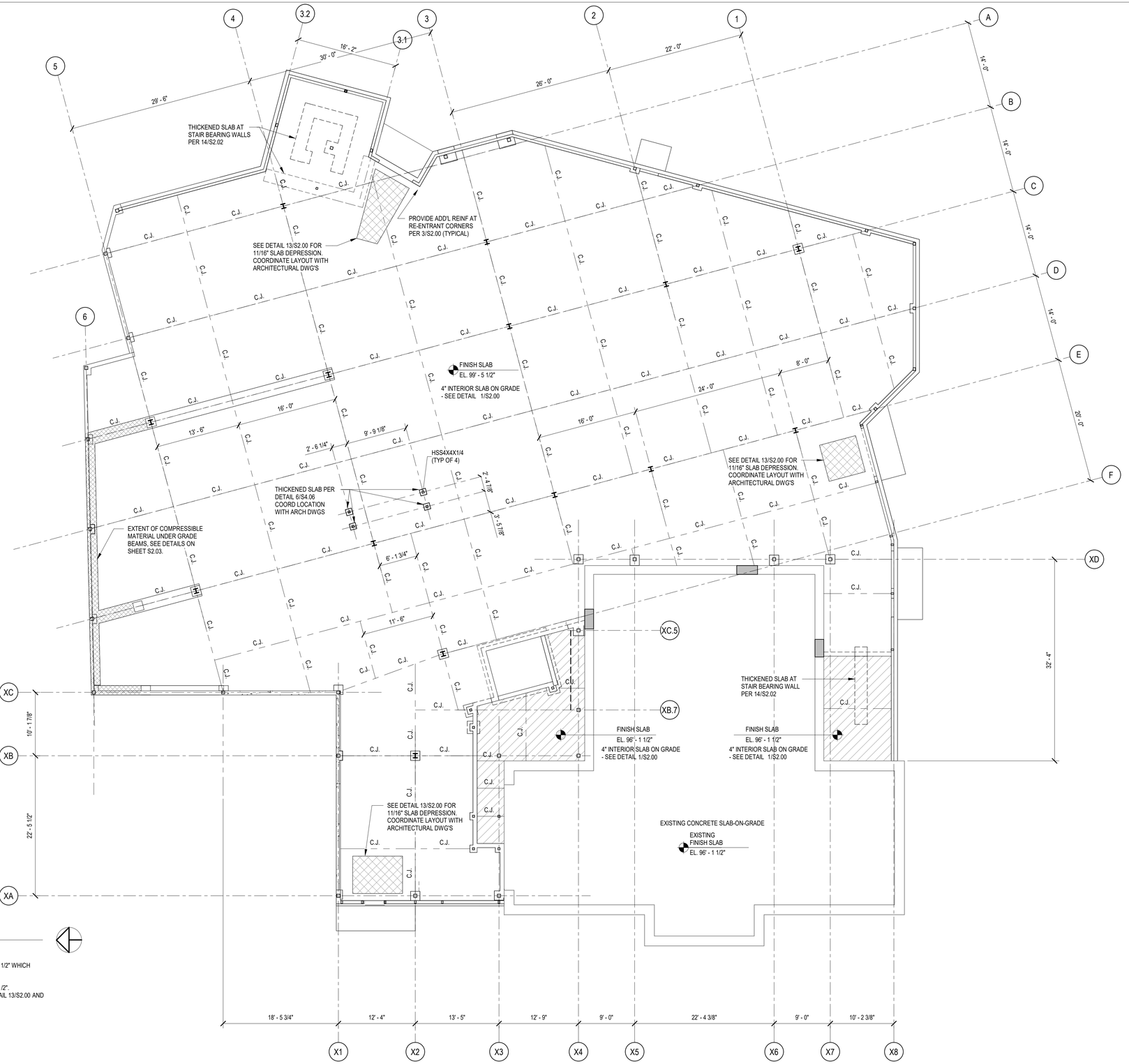
N

LEVEL 1 FOUNDATION PLAN

PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	As indicated

S1.02

PRINTED: 1/23/2025 12:11:27 PM FILENAME: Z:\Shortcuts\0-Revit Local Files\23162 Ilsley Public Library_central_R24_juliar-EV.rvt



1 LEVEL 1 SLAB ON GRADE PLAN
1/8" = 1'-0"

NOTES:

1. ELEVATIONS SHOWN ARE BASED ON FIRST FLOOR SLAB ELEVATION OF 99' - 5 1/2" WHICH REFERENCES CIVIL FINISH FLOOR ELEVATION 368.61'.
2. LEVEL 1 TOP OF SLAB ELEVATION = 99' - 5 1/2".
3. INDICATES BASEMENT LEVEL SLAB-ON-GRADE ELEVATION = 96' - 1 1 /2".
4. INDICATES 11/16" SLAB DEPRESSION FOR WALK OFF MAT - SEE DETAIL 13/S2.00 AND COORDINATE LAYOUT WITH ARCH DWGS.
5. C.J. INIDCATES CONTROL OR CONSTRUCTION JOINT. SEE DETAIL 2/S2.00 .
6. PROVIDE COLUMN ISOLATION JOINTS PER DETAIL 8/S2.01 .

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
JULIE L. REILLY
NO. 134842
STRUCTURAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

N

LEVEL 1 SLAB ON GRADE PLAN

PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	1/8" = 1'-0"

S1.02S

ISSUED FOR CONSTRUCTION
01/24/2025

PRINTED: 1/23/2025 12:11:28 PM
FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_JulieLEV.rvt

BEARING WALL SCHEDULE

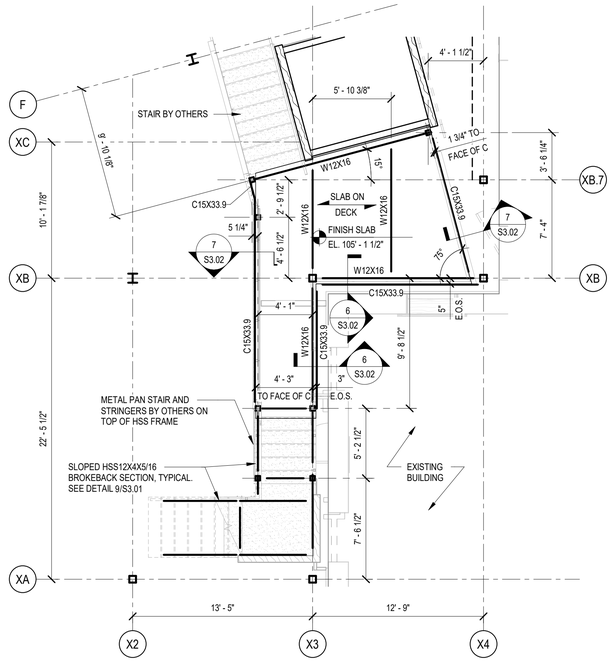
WALL MARK \ LEVEL		ROOF - 2ND FLOOR	2ND FLOOR - 1ST FLOOR
BW1	STUDS	2x6 @ 16" o/c	2x6 @ 16" o/c
	TOP PLATES	SPF #1/#2	SPF #1/#2
	BOTTOM PLATE	SPF #1/#2	SP #2 (P.T.)
BW2	STUDS	2x4 @ 16" o/c	2x4 @ 16" o/c
	TOP PLATES	SPF #1/#2	SPF #1/#2
	BOTTOM PLATE	SPF #1/#2	SP #2 (P.T.)
BW3	WALL PANEL	5-PLY CLT	5-PLY CLT

NOTES:
1. ALL STUD BEARING WALLS SHALL HAVE CONTINUOUS (2) 2x TOP PLATE, UNLESS NOTED OTHERWISE ON DETAILS.
2. ALL STUDS SHALL BE SPF No. 1 / No. 2 OR BETTER.
3. TOP & BOTTOM PLATES:
   A. ALL PLATES BEARING ON CONCRETE SHALL BE PRESSURE TREATED (P.T.).
   B. SIZE OF PLATES TO MATCH SIZE OF WALL FRAMING.
   C. GRADE OF PLATES PER SCHEDULE ABOVE.

HEADER SCHEDULE

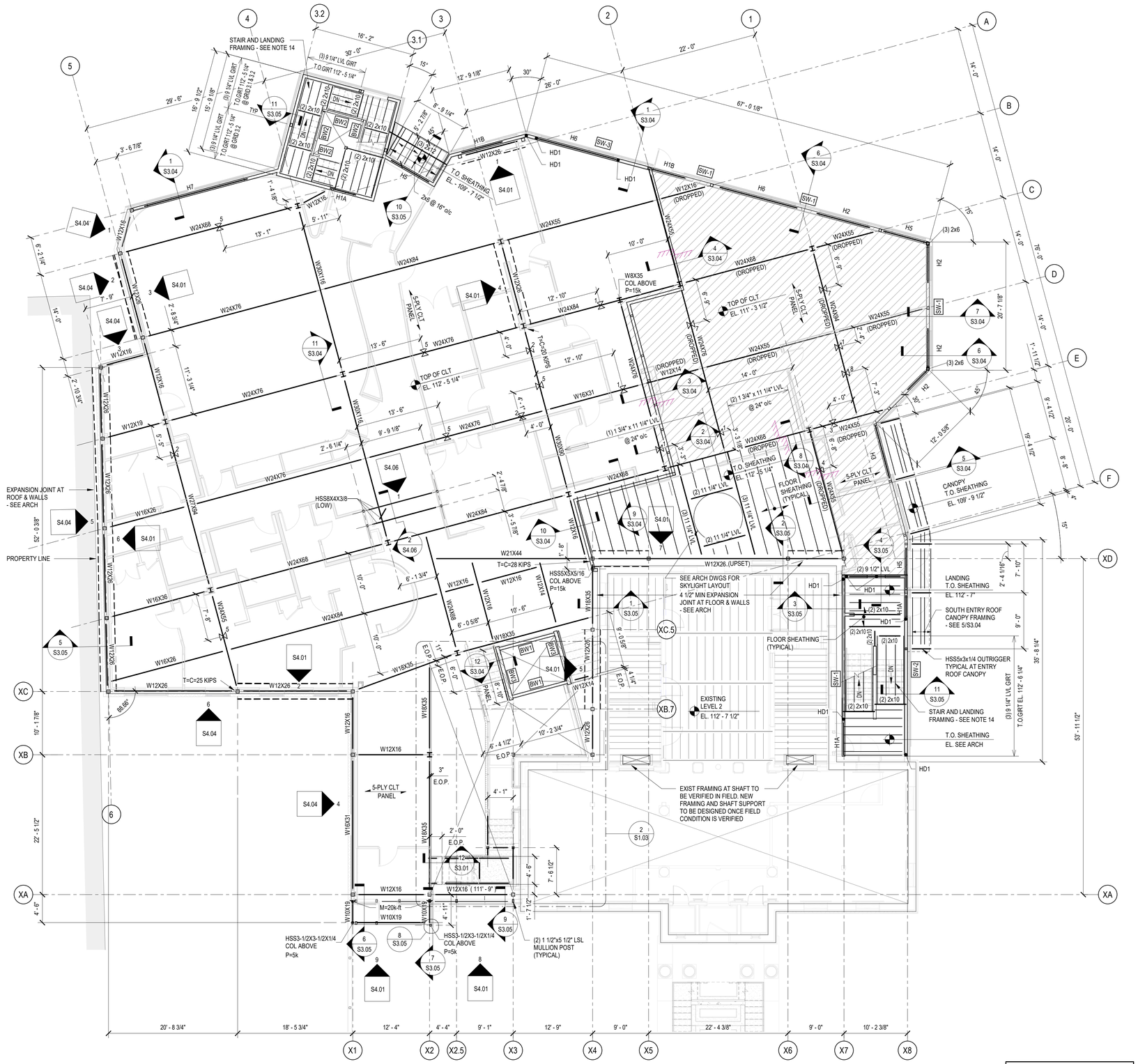
MARK	SIZE	JACK/KING STUDS
H1A	(2) 2x6	1J + 1K
H1B	(2) 2x8	1J + 2K
H1C	(2) 2x8	1J + 4K
H2	(2) 2x10	1J + 2K
H3	(3) 2x12	1J + 2K
H4	(2) 1 3/4"x5 1/2" LVL	1J + 2K
H5	(2) 1 3/4"x9 1/4" LVL	2J + 2K
H6	(3) 1 3/4"x11 7/8" LVL	2J + 2K
H7	(3) 1 3/4"x14" LVL	3J + 3K

NOTES:
1. "#J + #K" INDICATE NUMBER OF 2x6 JACK AND KING STUDS, RESPECTIVELY, REQUIRED AT HEADER.



2 STAIR A FRAMING PLAN
3/16" = 1'-0"

NOTES:
1. ELEVATIONS SHOWN ARE BASED ON FIRST FLOOR SLAB ELEVATION OF 99' - 5 1/2".
2. COMPOSITE SLAB-ON-DECK TO BE 3" 20 GA G-60 GALVANIZED METAL DECK WITH 2" NORMAL-WEIGHT CONCRETE (5" TOTAL THICKNESS). REINFORCE WITH 6x6-W4xW4 WELDED WIRE FABRIC AT TOP (3/4" CLEAR, MIN.). FASTEN TO SUPPORTS WITH 5/8"ø PUDDLE WELDS ON A 36/4 PATTERN. FASTEN SIDE LAPS WITH #10 TEK SCREWS, (4) SCREWS PER SPAN MINIMUM, 2'-0"oc MAX.
3. TOP OF CONCRETE SLAB ELEVATION PER PLAN.
4. TOP OF STEEL ELEVATION = 104' - 8 1/2", UNLESS NOTED OTHERWISE. FOR CHANNEL ELEVATIONS SEE DETAILS ON SHEET S3.02.
5. COORDINATE FLOOR PENETRATIONS AND REQUIRED SUPPORT FRAMING WITH MEP DRAWINGS.



1 LEVEL 2 FRAMING PLAN
1/8" = 1'-0"

NOTES:
1. ELEVATIONS SHOWN ARE BASED ON FIRST FLOOR SLAB ELEVATION OF 99' - 5 1/2".
2. LEVEL 2 TOP OF CLT PLATE ELEVATION = 112' - 5 1/4", UNLESS NOTED OTHERWISE.
3. LEVEL 2 FINISH FLOOR ELEVATION = 112' - 7 1/2".
4. LEVEL 2 TOP OF STEEL ELEVATION = 111' - 10 3/8", UNLESS NOTED OTHERWISE.
5. LEVEL 2 FLOOR ASSEMBLY CONSISTS OF: 2" CEMENTITIOUS UNDERLAYMENT (115 PCF) OVER ACOUSTIC MAT OVER 5-PLY CLT PANEL (DESIGN BASIS = USG LEVELROCK 2500).
6. ROOF TERRACE TOP OF CLT PLATE ELEVATION = 111' - 3 1/2", INDICATED BY ▨.
7. ROOF TERRACE TOP OF STEEL ELEVATION = 110' - 8 5/8".
8. 5-PLY CLT FLOOR PANEL BASIS OF DESIGN = 6 7/8" THICK 175-5S NORDIC X-LAM E1, ARCHITECTURAL GRADE, S-P-F.
9. FLOOR SHEATHING TO BE 3/4" APA-RATED SHEATHING FASTENED TO FRAMING WITH 8d COM (0.131"ø x 2 1/2") SPACED AT 6" o/c AT EDGES AND 12" o/c AT INTERMEDIATE SUPPORTS.
10. SHEAR WALLS INDICATED BY ▭ AND DENOTED BY "SW#". SEE SCHEDULE FOR SHEATHING AND NAILING PATTERNS.
11. "BW#" DENOTES BEARING WALL TYPE. ALL BEARING WALLS ARE BW1 UNLESS NOTED OTHERWISE, SEE BEARING WALL SCHEDULE SCHEDULE THIS SHEET.
12. "H#" DENOTES HEADER TYPE. SEE HEADER SCHEDULE THIS SHEET.
13. "HD#" DENOTES HOLD DOWN AT LEVEL 2. SEE SHEET S3.01 FOR HOLD DOWN SCHEDULE AND HOLD DOWN DETAILS.
14. STAIR STRINGERS SHALL BE CUT FROM 1 3/4"x14" LVL AT 16" o/c WITH SIMPSON LS90 TOP AND BOTTOM OF STAIR RUN. EFFECTIVE DEPTH AT TREAD NOTCHES SHALL BE 6" MIN. LANDING FRAMING TO BE 2x10 AT 16" o/c WITH SIMPSON LUS28 HANGERS. COORDINATE STAIR AND LANDING LAYOUT WITH ARCH DRAWINGS.
15. 4 KIP CHORD TENSION SPLICE FOR CLT PANELS AT GRIDS 1, 3, 5, 6, A1, A4, A, E, G, AND B1. USE MST37 STRAP, SEE DETAIL 10/S3.00
16. "T=C=XX KIPS" INDICATES ULTIMATE SEISMIC OR WIND COLLECTOR TENSION/COMPRESSION LOAD. LOADING IS TO BE TRANSFERRED FROM BEAM THROUGH CONNECTION TO BRACED FRAME AT END INDICATED ON PLAN.
17. ALL DIMENSIONS AND ELEVATIONS TO/FROM EXISTING MASONRY TO BE VERIFIED IN FIELD PRIOR TO FABRICATION.
18. ALL COLUMNS/POSTS SHALL HAVE A CONTINUOUS LOAD PATH FROM FRAMING MEMBER TO FOUNDATION OR TRANSFER BEAM (BLOCK AS REQUIRED).
19. FOR BEAM PENETRATION SCHEDULE SEE DETAIL 9/S3.02

ISSUED FOR CONSTRUCTION
01/24/2025

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
JULIE L. REILLY
NO. 134842
STRUCTURAL
LICENSED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

LEVEL 2 FRAMING PLAN

PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	As indicated

S1.03

PRINTED: 1/23/2025, 12:11:32 PM
FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_JulieEV.rvt

BEARING WALL SCHEDULE

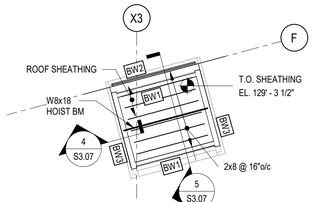
WALL MARK \ LEVEL		ROOF - 2ND FLOOR	2ND FLOOR - 1ST FLOOR
BW1	STUDS	2x6 @ 16" o/c	2x6 @ 16" o/c
	TOP PLATES	SPF #1/#2	SPF #1/#2
	BOTTOM PLATE	SPF #1/#2	SP #2 (P.T.)
BW2	STUDS	2x4 @ 16" o/c	2x4 @ 16" o/c
	TOP PLATES	SPF #1/#2	SPF #1/#2
	BOTTOM PLATE	SPF #1/#2	SP #2 (P.T.)
BW3	WALL PANEL	5-PLY CLT	5-PLY CLT

NOTES:
1. ALL STUD BEARING WALLS SHALL HAVE CONTINUOUS (2) 2x TOP PLATE, UNLESS NOTED OTHERWISE ON DETAILS.
2. ALL STUDS SHALL BE SPF No. 1 / No. 2 OR BETTER.
3. TOP & BOTTOM PLATES:
   A. ALL PLATES BEARING ON CONCRETE SHALL BE PRESSURE TREATED (P.T.).
   B. SIZE OF PLATES TO MATCH SIZE OF WALL FRAMING.
   C. GRADE OF PLATES PER SCHEDULE ABOVE.

HEADER SCHEDULE

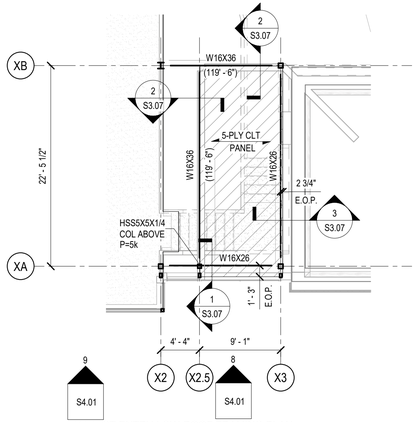
MARK	SIZE	JACK/KING STUDS
H1A	(2) 2x6	1J + 1K
H1B	(2) 2x8	1J + 2K
H1C	(2) 2x8	1J + 4K
H2	(2) 2x10	1J + 2K
H3	(3) 2x12	1J + 2K
H4	(2) 1 3/4"x5 1/2" LVL	1J + 2K
H5	(2) 1 3/4"x9 1/4" LVL	2J + 2K
H6	(3) 1 3/4"x11 7/8" LVL	2J + 2K
H7	(3) 1 3/4"x14" LVL	3J + 3K

NOTES:
1. "#J + #K" INDICATE NUMBER OF 2x6 JACK AND KING STUDS, RESPECTIVELY, REQUIRED AT HEADER.



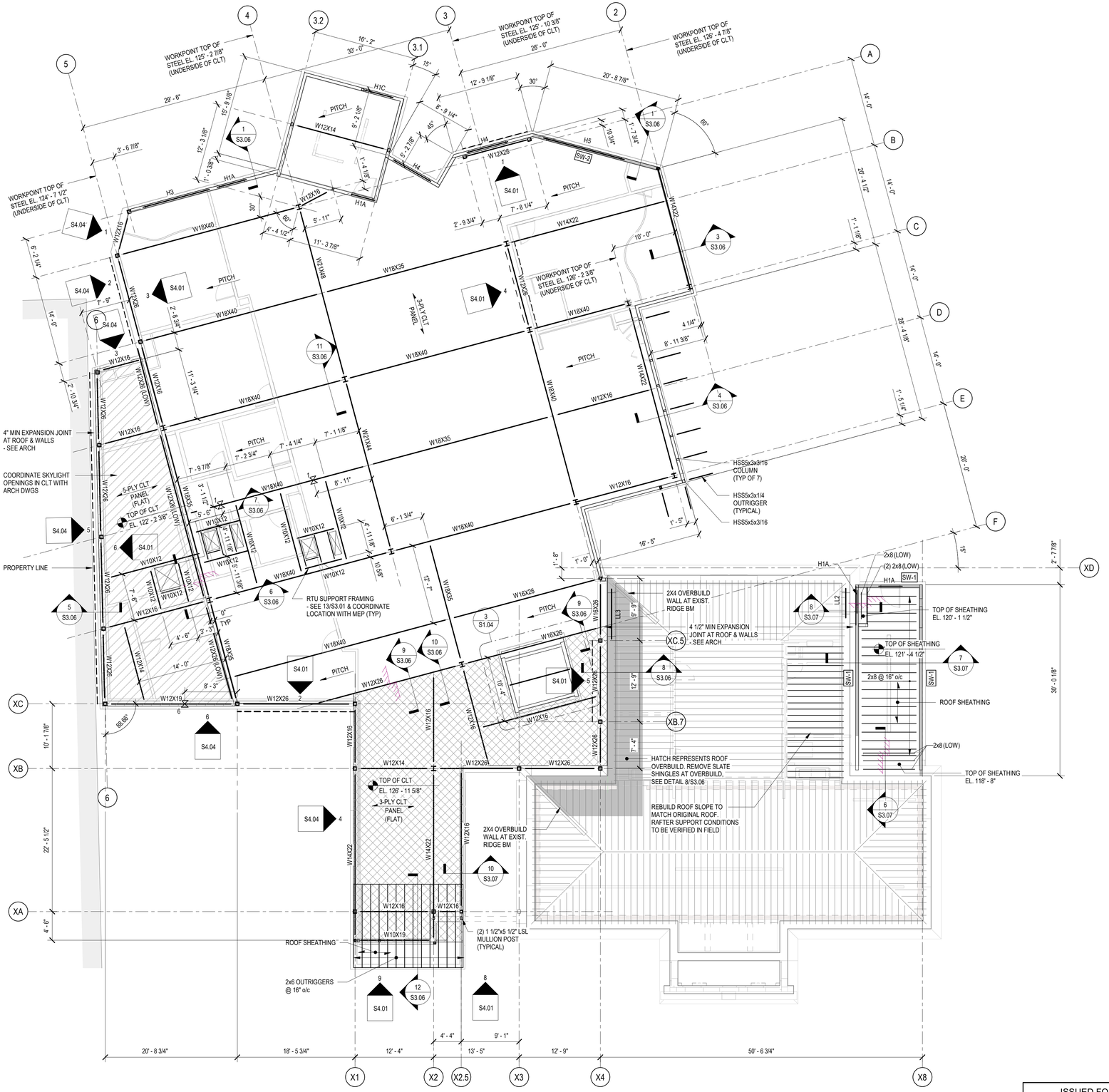
3 ELEVATOR ROOF FRAMING PLAN
1/8" = 1'-0"

NOTES:
1. KONE PROVIDES HOIST BEAM & (2) HSS5x5x3/8 LIFELINE SUPPORT BEAMS.
2. ATTACHMENT FOR HOIST BEAM & LIFELINE BEAMS TO BE PROVIDED PER DETAIL 4/S3.07.
3. COORDINATE BEAM LOCATION WITH KONE ELEVATOR SUBMITTAL.



2 MAIN ST ENTRY LOW ROOF FRAMING PLAN
1/8" = 1'-0"

NOTES:
1. ELEVATIONS SHOWN ARE BASED ON FIRST FLOOR SLAB ELEVATION OF 99' - 5 1/2".
2. LOW ENTRY ROOF TOP OF CLT PLATE ELEVATION = 118' - 9 3/8", INDICATED BY ▨.
3. LOW ENTRY ROOF TOP OF STEEL ELEVATION = 118' - 2 1/2", UNLESS NOTED OTHERWISE.
4. 5-PLY CLT ROOF PANEL BASIS OF DESIGN = 6 7/8" THICK 175-5S NORDIC X-LAM E1, ARCHITECTURAL GRADE, S-P-F.
5. ALL DIMENSIONS AND ELEVATIONS TO/FROM EXISTING MASONRY TO BE VERIFIED IN FIELD PRIOR TO FABRICATION.
6. ALL COLUMNS/POSTS SHALL HAVE A CONTINUOUS LOAD PATH FROM FRAMING MEMBER TO FOUNDATION OR TRANSFER BEAM (BLOCK AS REQUIRED).



1 ROOF FRAMING PLAN
1/8" = 1'-0"

NOTES:
1. ELEVATIONS SHOWN ARE BASED ON FIRST FLOOR SLAB ELEVATION OF 99' - 5 1/2".
2. HIGH FLAT ROOF TOP OF CLT PLATE ELEVATION = 126' - 11 5/8", INDICATED BY ▨.
3. HIGH FLAT ROOF TOP OF STEEL ELEVATION = 126' - 7 1/2".
4. LOW FLAT ROOF TOP OF CLT PLATE ELEVATION = 122' - 2 3/8", INDICATED BY ▨.
5. LOW FLAT ROOF TOP OF STEEL ELEVATION = 121' - 7 1/2".
6. SLOPED ROOF UNDERSIDE OF CLT PLATE ELEVATION = SEE PLAN.
7. SLOPED ROOF TOP OF STEEL ELEVATION = SEE PLAN.
8. 3-PLY CLT ROOF PANEL BASIS OF DESIGN = 4 1/8" THICK 105-3S NORDIC X-LAM E1, ARCHITECTURAL GRADE, S-P-F.
9. 5-PLY CLT FLOOR PANEL BASIS OF DESIGN = 6 7/8" THICK 175-5S NORDIC X-LAM E1, ARCHITECTURAL GRADE, S-P-F.
10. ROOF SHEATHING TO BE 5/8" APA-RATED SHEATHING FASTENED TO FRAMING WITH 8d COM (0.131"ø x 2 1/2") SPACED AT 6" o/c AT EDGES AND 12" o/c AT INTERMEDIATE SUPPORTS.
11. SHEAR WALLS INDICATED BY ▨ AND DENOTED BY "SW#". SEE SCHEDULE FOR SHEATHING AND NAILING PATTERNS.
12. "BW#" DENOTES BEARING WALL TYPE. ALL BEARING WALLS ARE BW1 UNLESS NOTED OTHERWISE, SEE BEARING WALL SCHEDULE SCHEDULE THIS SHEET.
13. "H#" DENOTES HEADER TYPE. SEE HEADER SCHEDULE THIS SHEET.
14. "LL#" DENOTES LOOSE LINTEL. SEE LINTEL SCHEDULE ON DETAIL 10/S3.02.
15. ALL DIMENSIONS AND ELEVATIONS TO/FROM EXISTING MASONRY TO BE VERIFIED IN FIELD PRIOR TO FABRICATION.
16. ALL COLUMNS/POSTS SHALL HAVE A CONTINUOUS LOAD PATH FROM FRAMING MEMBER TO FOUNDATION OR TRANSFER BEAM (BLOCK AS REQUIRED).NO OPENING WITHIN d DISTANCE FROM END OF BEAM
17. 4 KIP CHORD TENSION SPLICE FOR CLT PANELS AT GRIDS 1, 3, 5, 6, A1, A4, A, E, G, AND B1. USE MST37 STRAP, SEE DETAIL 10/S3.00.
18. "T=C=XX KIPS" INDICATES ULTIMATE SEISMIC OR WIND COLLECTOR TENSION/COMPRESSION LOAD. LOADING IS TO BE TRANSFERRED FROM BEAM THROUGH CONNECTION TO BRACED FRAME AT END INDICATED ON PLAN.
19. FOR BEAM PENETRATION SCHEDULE SEE DETAIL 9/S3.02.

ISSUED FOR CONSTRUCTION
01/24/2025

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
JULIE L. REILLY
NO. 134842
STRUCTURAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

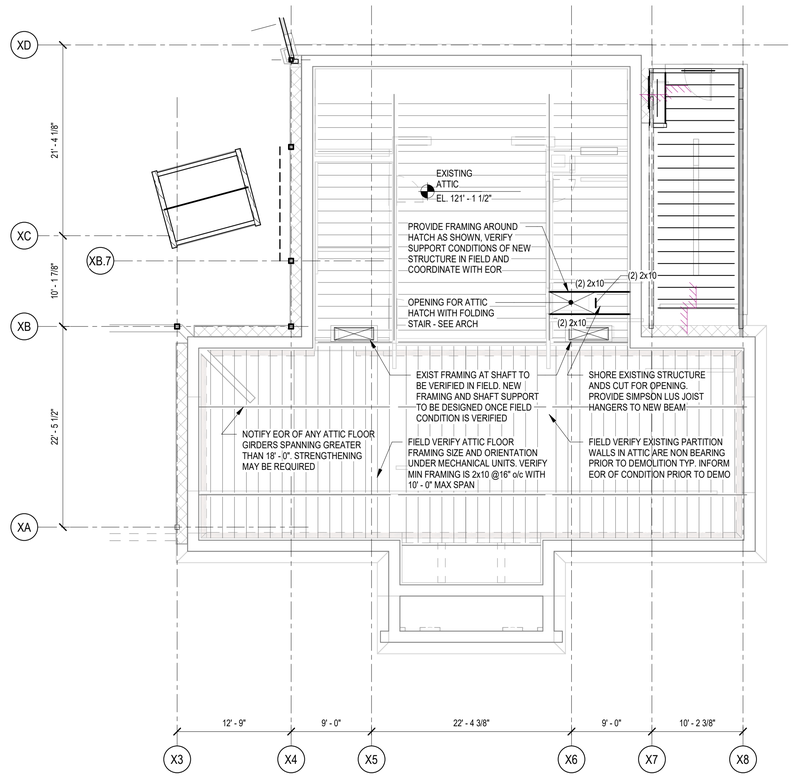
N

ROOF FRAMING PLAN

PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	As indicated

S1.04

PRINTED: 1/23/2026 12:11:34 PM
FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_Julier-EV.rvt



1 EXISTING ATTIC FLOOR FRAMING PLAN
1/8" = 1'-0"

NOTES:

1. ALL DIMENSIONS AND ELEVATIONS TO/FROM EXISTING MASONRY TO BE VERIFIED IN FIELD PRIOR TO FABRICATION.
2. ALL BEARING WALLS ARE BW1 UNLESS NOTED OTHERWISE, SEE SCHEDULE.
3. ALL EXISTING FRAMING MUST BE VERIFIED IN FIELD AND COMMUNICATED TO EOR PRIOR TO INSTALLATION OF MECHANICAL UNITS OR OTHER ARCHITECTURAL ITEMS.

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
JULIE L. REILLY
NO. 134842
STRUCTURAL
LICENSED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

N

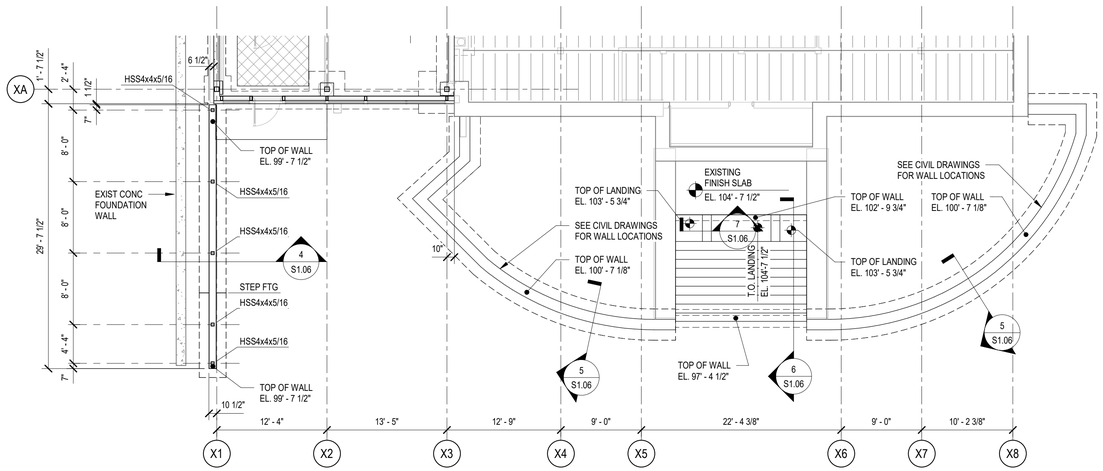
EXISTING ATTIC FLOOR FRAMING

PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	1/8" = 1'-0"

S1.05

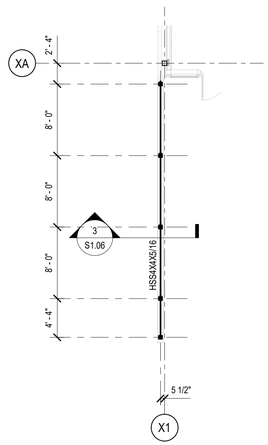
ISSUED FOR CONSTRUCTION
01/24/2025

PRINTED: 1/23/2025 12:11:35 PM FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_juliar-EV.rvt



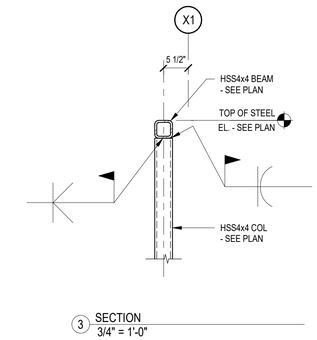
1 SITE WALL FOUNDATION PLAN
1/8" = 1'-0"

1. SEE DRAWING S1.02 FOR DETAILS NOT SHOWN OR NOTED.
2. VERIFY ALL ELEVATIONS SHOWN WITH ARCH & CIVIL DWGS.

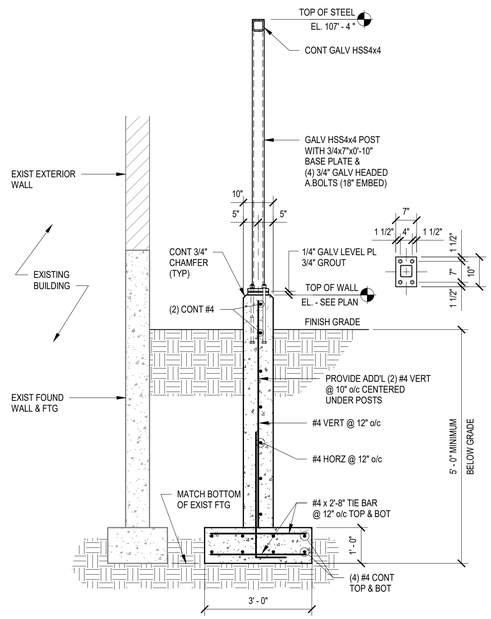


2 SITE WALL FRAMING PLAN
1/8" = 1'-0"

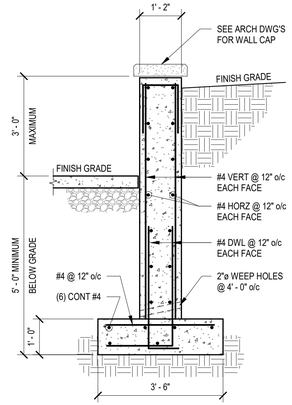
1. TOP OF STEEL EL. 107' - 4".



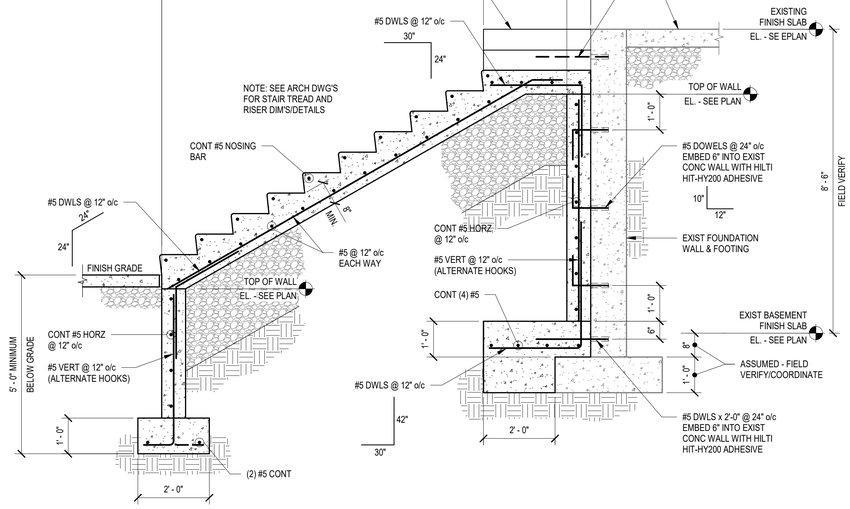
3 SECTION
3/4" = 1'-0"



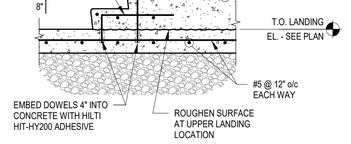
4 SECTION
1/2" = 1'-0"



5 SECTION
1/2" = 1'-0"



6 SECTION
1/2" = 1'-0"



7 SECTION
1/2" = 1'-0"

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
JULIE L. REILLY
NO. 134842
STRUCTURAL
LICENSED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

N

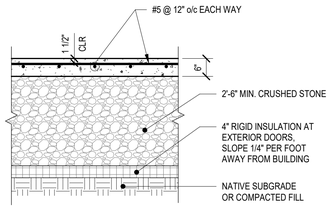
SITE FOUNDATION PLAN & DETAILS

PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	As indicated

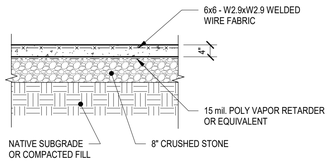
S1.06

ISSUED FOR
CONSTRUCTION
01/24/2025

PRINTED: 1/23/2025 12:11:38 PM FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_julier-EV.rvt

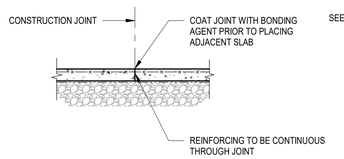


6" EXTERIOR SLAB-ON-GRADE

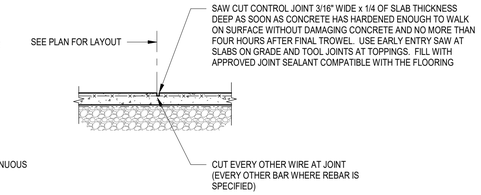


4" INTERIOR SLAB-ON-GRADE

1 TYPICAL SLAB-ON-GRADE SECTIONS
1/2" = 1'-0"

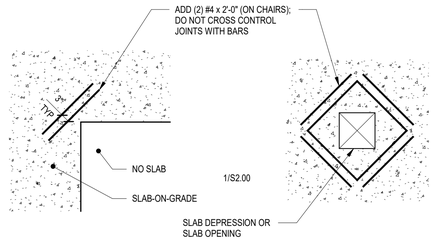


CONSTRUCTION JOINT

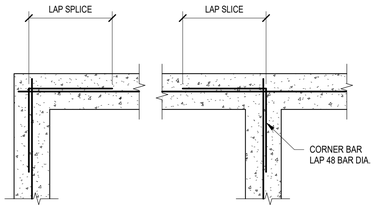


CONTROL JOINT

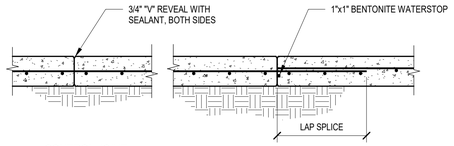
2 TYPICAL SLAB ON GRADE JOINT DETAILS
1/2" = 1'-0"



TYPICAL RE-ENTRANT CORNERS AT SLAB-ON-GRADE
3 1/2" = 1'-0"

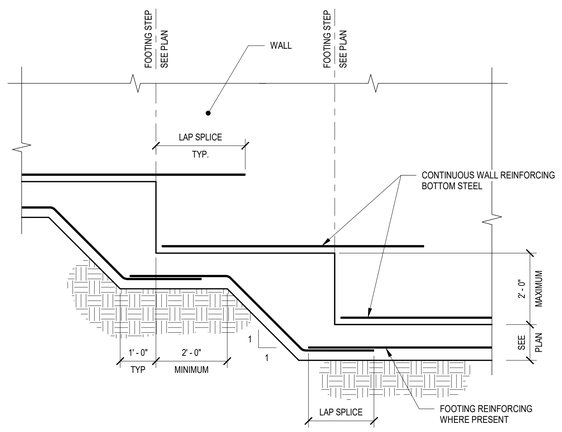


4 TYPICAL WALL CORNER REINFORCING
1/2" = 1'-0"

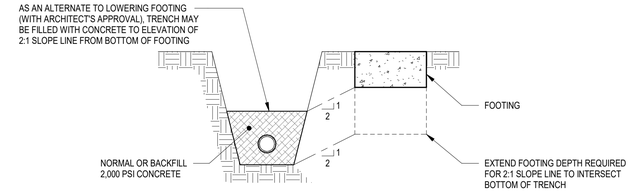


NOTES:
1. MAXIMUM SPACING BETWEEN CONSTRUCTION JOINTS, OR FROM JOINT TO CORNER SHALL BE 120 FEET.
2. MAXIMUM SPACING BETWEEN CONTROL JOINTS SHALL BE 20 FEET.
3. NO JOINT SHALL BE WITHIN 10 FEET OF CORNER.
4. SUBMIT LOCATIONS ON WALL ELEVATIONS OF CONCRETE REINFORCING SHOP DRAWINGS.

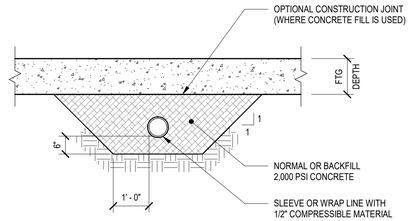
5 TYPICAL CONCRETE WALL JOINTS
1/2" = 1'-0"



8 TYPICAL FOOTING STEP
1/2" = 1'-0"

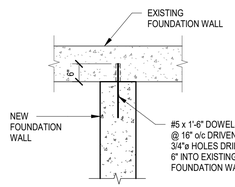


PARALLEL WITH FOOTING

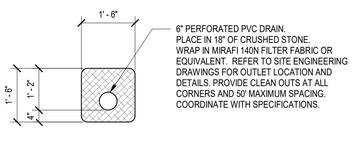


PERPENDICULAR TO FOOTING

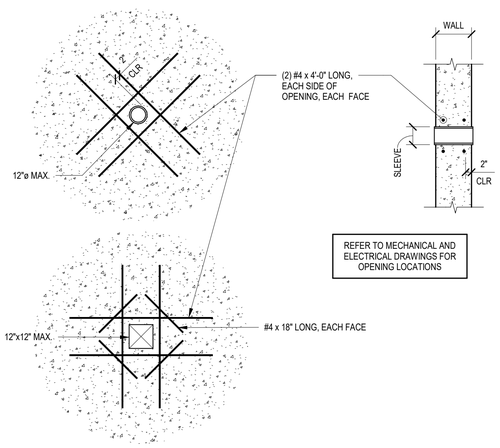
9 TYPICAL MECHANICAL LINES ADJACENT TO FOOTINGS
1/2" = 1'-0"



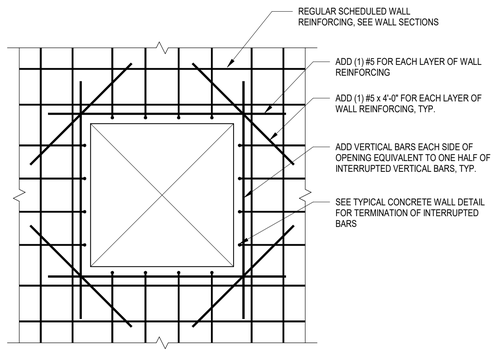
6 TYPICAL NEW/EXIST CONCRETE WALL
1/2" = 1'-0"



7 TYPICAL FOOTING DRAIN
1/2" = 1'-0"

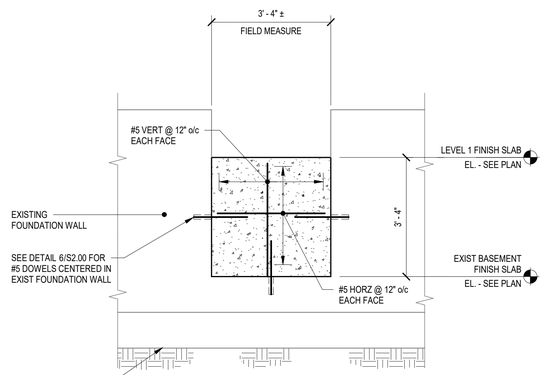


10 TYPICAL CONCRETE WALL OPENINGS
1/2" = 1'-0"

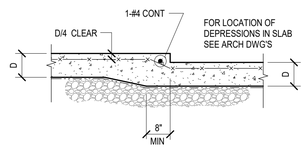


NOTES:
1. COORDINATE WITH OTHER TRADES AND INDICATE PENETRATIONS GREATER THAN 12" ON FORMWORK AND REBAR SHOP DRAWINGS.
2. CLEAR DISTANCE BETWEEN ADJACENT OPENINGS SHALL NOT BE LESS THAN SIZE OF OPENING.
3. OPENINGS NOT SPECIFICALLY SHOWN ON STRUCTURAL DRAWINGS ARE SUBJECT TO STRUCTURAL ENGINEERS APPROVAL.

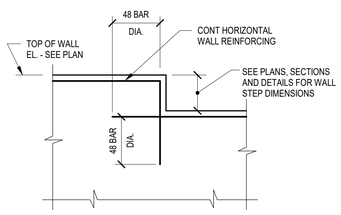
11 TYPICAL CONCRETE WALL OPENING (</= 4' - 0")
1/2" = 1'-0"



12 TYPICAL EXISTING BASEMENT WALL INFILL
1/2" = 1'-0"



13 TYPICAL SLAB ON GRADE DEPRESSION DETAIL
1/2" = 1'-0"



14 TYPICAL WALL STEP DETAIL
1/2" = 1'-0"

ISSUED FOR CONSTRUCTION
01/24/2025

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
JULIE L. REILLY
NO. 134842
STRUCTURAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

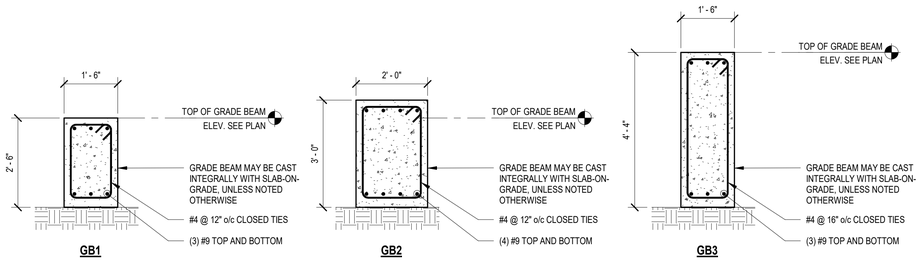
MIDDLEBURY, VERMONT

TYPICAL FOUNDATION DETAILS

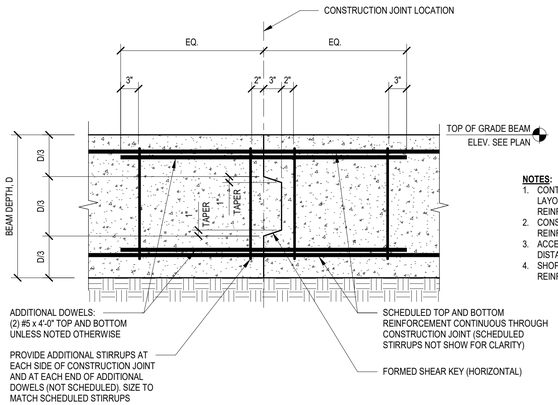
PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	1/2" = 1'-0"

S2.00

PRINTED: 1/23/2025 12:11:39 PM
FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_Juliet-EV.rvt

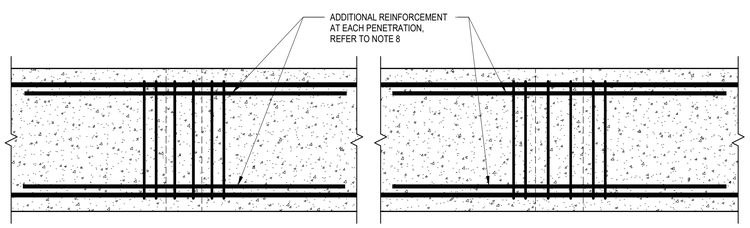


1 TYPICAL GRADE BEAMS
1/2" = 1'-0"

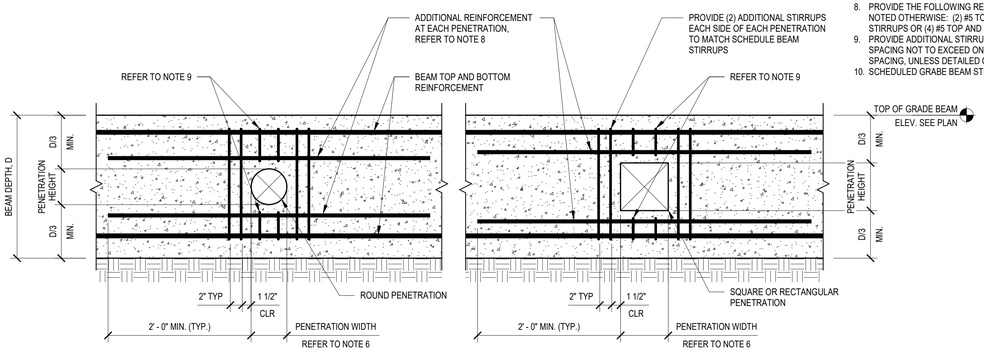


NOTES:
1. CONTRACTOR SHALL SUBMIT PROPOSED CONSTRUCTION JOINT LAYOUT AS A SHOP DRAWING FOR APPROVAL PRIOR TO DETAILING REINFORCEMENT AND AT A MINIMUM OF TWO WEEKS PRIOR TO POUR.
2. CONSTRUCTION JOINT LOCATIONS SHALL BE COORDINATED WITH REINFORCING STEEL SUPPLIER AND ERECTOR.
3. ACCEPTABLE JOINT LOCATION IS WITHIN THE MIDDLE THIRD OF DISTANCE BETWEEN COLUMNS.
4. SHOP DRAWINGS SHALL SHOW ALL REQUIRED ADDITIONAL REINFORCEMENT AT JOINTS.

2 TYPICAL GRADE BEAM CONSTRUCTION JOINT
1" = 1'-0"



PLAN



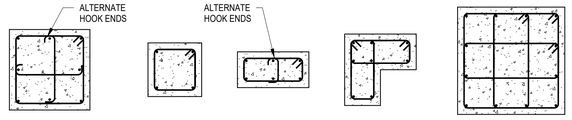
ELEVATION

NOTES:
1. GENERAL CONTRACTOR SHALL COORDINATE LOCATION, SIZE AND ELEVATION AND INCLUDE IN THEIR CONTACT PRICE ALL REQUIRED HORIZONTAL PENETRATIONS THROUGH CONCRETE GRADE BEAMS WHETHER SHOWN ON DRAWINGS OR NOT.
2. WHERE PENETRATIONS ARE REQUIRED BUT ARE NOT SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS, CONTRACTOR SHALL SUBMIT DRAWINGS SHOWING DIMENSIONS AND LOCATIONS OF ALL REQUIRED PENTRATIONS FOR REVIEW.
3. "D" DENOTES THE DEPTH OF GRADE BEAM.
4. CLEAR SPACING BETWEEN PENETRATIONS SHALL BE 24" MINIMUM UNLESS NOTED OTHERWISE BY THE STRUCTURAL ENGINEER.
5. PENETRATIONS SHALL BE LOCATED WITHIN THE MIDDLE THIRD OF THE DISTANCE BETWEEN COLUMN LINES.
6. PENETRATION WIDTH MUST NOT EXCEED PENETRATION HEIGHT, UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.
7. FOR LOCATIONS AND/OR SIZES OF PENETRATIONS NOT CONFORMING TO THE ABOVE CRITERIA AND NOT OTHERWISE DETAILED ON THE STRUCTURAL DRAWINGS, CONTRACTOR SHALL COORDINATE REQUIRED ADDTIONAL REINFORCEMENT WITH THE STRUCTURAL ENGINEER.
8. PROVIDE THE FOLLOWING REINFORCEMENT AT EACH SLEEVE, UNLESS NOTED OTHERWISE: (2) #5 TOP AND BOTTOM AT BEAM WITH 2-LEG STIRRUPS OR (4) #5 TOP AND BOTTOM AT BEAMS WITH 4-LEG STIRRUPS.
9. PROVIDE ADDITIONAL STIRRUPS ABOVE AND BELOW PENETRATIONS AT SPACING NOT TO EXCEED ONE THIRD OF THE SCHEDULED STIRRUP SPACING, UNLESS DETAILED OTHERWISE ON THE STRUCTURAL DRAWINGS.
10. SCHEDULED GRABE BEAM STIRRUPS NOT SHOWN FOR CLARITY.

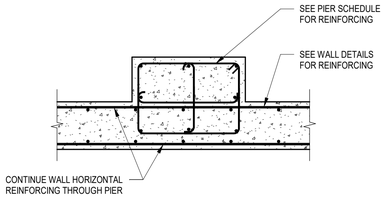
3 TYPICAL HORIZONTAL PENETRATION THROUGH GRADE BEAM
1" = 1'-0"

PIER SCHEDULE			
PLAN MARK	DIMENSIONS	REINFORCING *(VERTICAL)*	TIES
P1	1' - 6" x 1' - 6"	(8) #6	#3 @ 12"o/c, TYPE A
P2	1' - 6" x 1' - 8"	(8) #6	#3 @ 12"o/c, TYPE A
P3	2' - 4" x 2' - 8"	(12) #8	#4 @ 12"o/c, TYPE E
P4	1' - 6" x 1' - 6"	(8) #6	#3 @ 12"o/c, TYPE D
P5	1' - 0" x 1' - 6"	(6) #6	#3 @ 12"o/c, TYPE C
P6	1' - 2" x 1' - 6"	(6) #6	#3 @ 12"o/c, TYPE C
P7	1' - 2" x 1' - 4"	(4) #7	#3 @ 12"o/c, TYPE B
P8	0' - 11" x 1' - 6"	(6) #6	#3 @ 12"o/c, TYPE C

NOTE: PROVIDE (3) #3 OR (2) #4 TIES IN TOP 5" OF PIER WHERE ANCHOR BOLTS OCCUR



4 PIER SCHEDULE
1/2" = 1'-0"

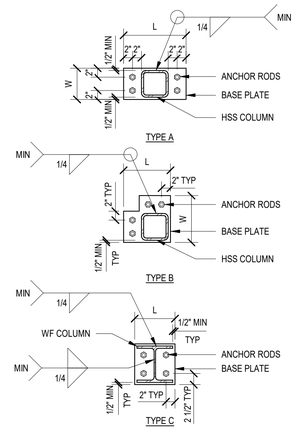


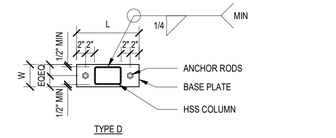
PARTIAL PLAN

5 TYPICAL PIER EMBEDDED IN WALL
1/2" = 1'-0"

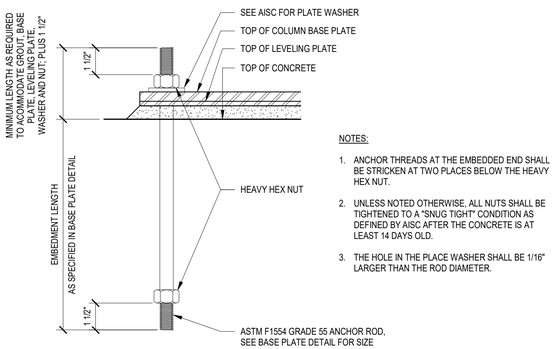
BASE PLATE SCHEDULE			
MARK	SIZE (t x W x L)	ANCHORS	TYPE
BP1	3/4" x 7" x 12"	(4) 3/4"Øx 8" EMBEDMENT	A
BP2	3/4" x 7" x 14"	(4) 3/4"Øx 9" EMBEDMENT	A
BP3	3/4" x 10 1/2" x 10 1/2"	(4) 3/4"Øx 9" EMBEDMENT	B
BP4	3/4" x 9 1/2" x 9 1/2"	(4) 3/4"Øx 9" EMBEDMENT	C
BP5	3/4" x 5" x 14"	(2) 3/4"Øx 8" EMBEDMENT	D

NOTES:
1. ALL BASEPLATES GR 36 KSI STEEL.
2. ALL ANCHOR BOLTS ARE GR 55 KSI STEEL.
3. ANCHOR THREADS AT EMBEDDED END SHALL BE STRICKEN AT TWO PLACE BELOW THE HEAVY HEX NUT.
4. ALL NUTS SHALL BE TIGHTENED TO A "SNUG TIGHT" CONDITION AS DEFINED BY AISC AFTER THE CONCRETE IS AT LEAST 14 DAYS OLD
5. PLATE WASHERS TO HAVE AISC STANDARD HOLE SIZES.



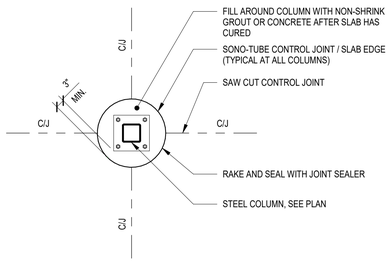


6 TYPICAL BASE PLATE SCHEDULE
3/4" = 1'-0"



NOTES:
1. ANCHOR THREADS AT THE EMBEDDED END SHALL BE STRICKEN AT TWO PLACES BELOW THE HEAVY HEX NUT.
2. UNLESS NOTED OTHERWISE, ALL NUTS SHALL BE TIGHTENED TO A "SNUG TIGHT" CONDITION AS DEFINED BY AISC AFTER THE CONCRETE IS AT LEAST 14 DAYS OLD.
3. THE HOLE IN THE PLACE WASHER SHALL BE 1/16" LARGER THAN THE ROD DIAMETER.

7 TYPICAL ANCHOR ROD DETAIL
3" = 1'-0"



8 TYPICAL COLUMN ISOLATION JOINT AT SLAB-ON-GRADE
1/2" = 1'-0"

ISSUED FOR CONSTRUCTION
01/24/2025

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
JULIE L. REILLY
NO. 134842
STRUCTURAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

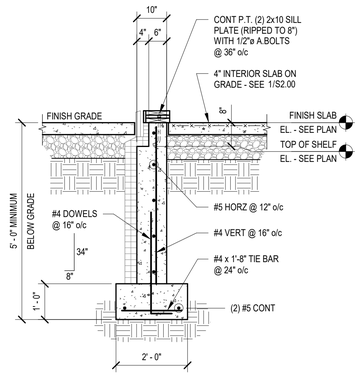
TYPICAL FOUNDATION DETAILS

PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	As indicated

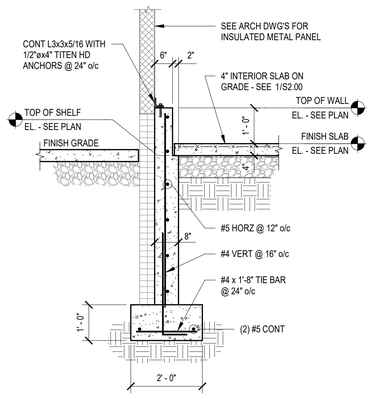
S2.01

PRINTED: 1/23/2025 12:11:41 PM FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_juliet-EV.rvt

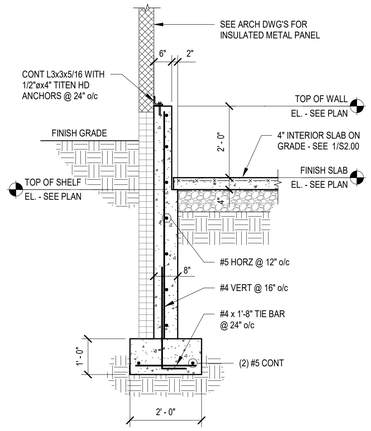
GEOTECHNICAL NOTE:
1. FOOTINGS TO BEAR ON 6" OF 3/4" CRUSHED STONE OVER UNDISTURBED NATIVE GRAVELLY SOILS
2. WHERE THICKER FILL LAYERS ARE PRESENT: FOOTINGS TO BEAR ON THICKER LAYERS OF CRUSHED STONE OR CRUSHED GRAVEL EXTENDING TO UNDISTURBED SOILS



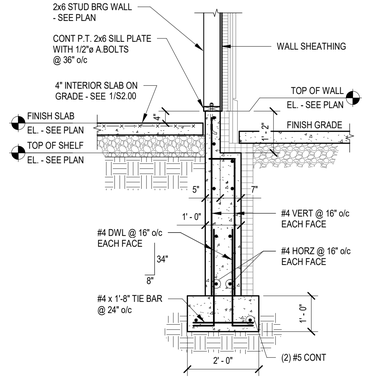
1 SECTION
1/2" = 1'-0"



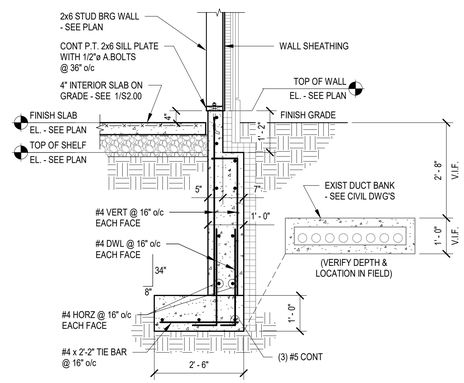
2 SECTION
1/2" = 1'-0"



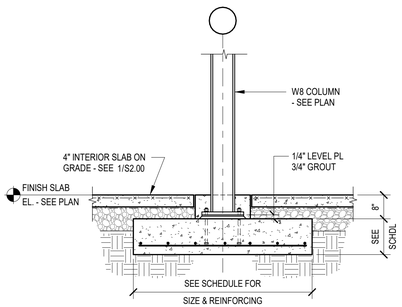
3 SECTION
1/2" = 1'-0"



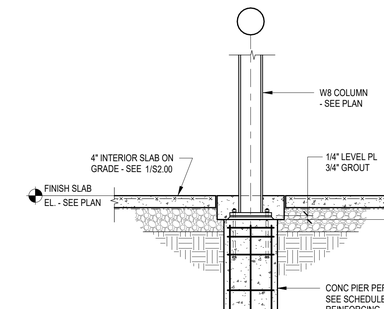
4 SECTION
1/2" = 1'-0"



5 SECTION
1/2" = 1'-0"

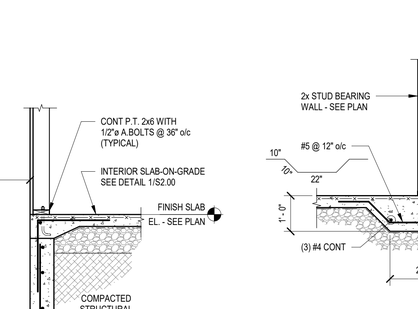


6 SECTION
1/2" = 1'-0"

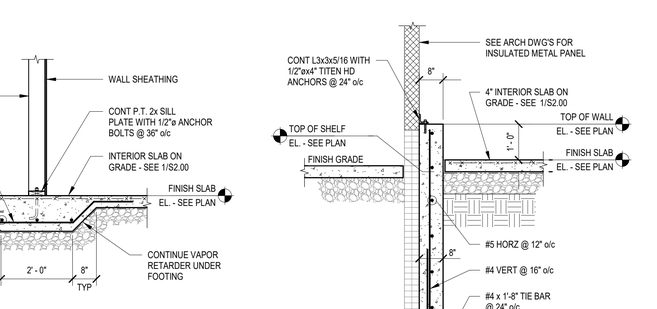


7 SECTION
1/2" = 1'-0"

8 SECTION
1/2" = 1'-0"



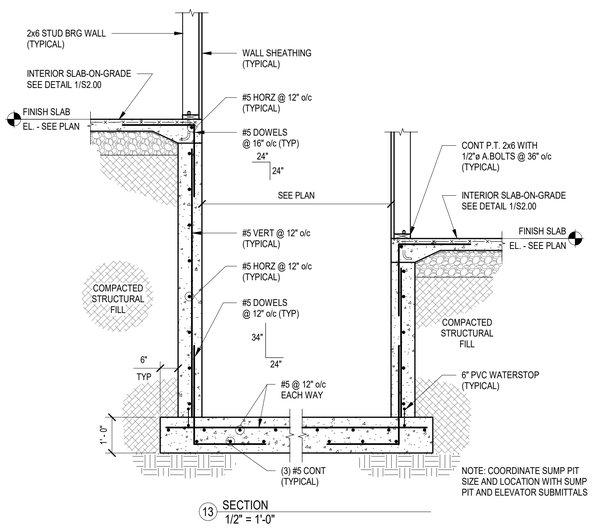
9 SECTION
1/2" = 1'-0"



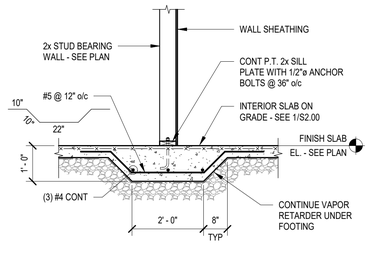
10 SECTION
1/2" = 1'-0"

11 SECTION
1/2" = 1'-0"

12 SECTION
1/2" = 1'-0"



13 SECTION
1/2" = 1'-0"



14 SECTION
1/2" = 1'-0"

15 SECTION
1/2" = 1'-0"

ISSUED FOR CONSTRUCTION
01/24/2025

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
JULIE L. REILLY
NO. 134842
STRUCTURAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

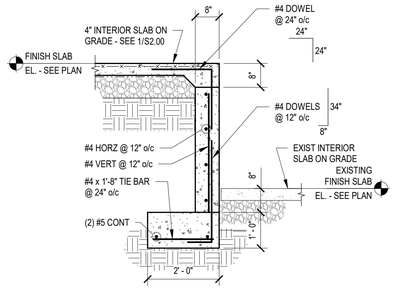
FOUNDATION DETAILS

PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	1/2" = 1'-0"

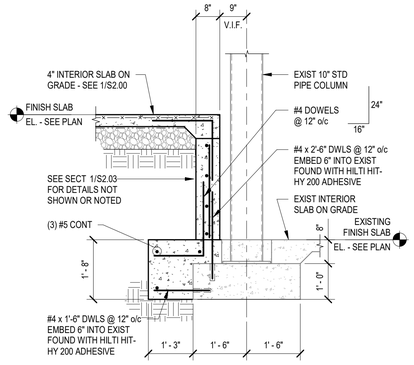
S2.02

PRINTED: 1/23/2025 12:11:43 PM
FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_Julier-EV.rvt

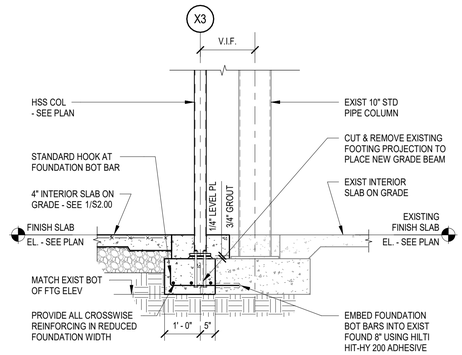
GEOTECHNICAL NOTE:
1. FOOTINGS TO BEAR ON 6" OF 3/4" CRUSHED STONE OVER UNDISTURBED NATIVE GRAVELLY SOILS
2. WHERE THICKER FILL LAYERS ARE PRESENT: FOOTINGS TO BEAR ON THICKER LAYERS OF CRUSHED STONE OR CRUSHED GRAVEL EXTENDING TO UNDISTURBED SOILS



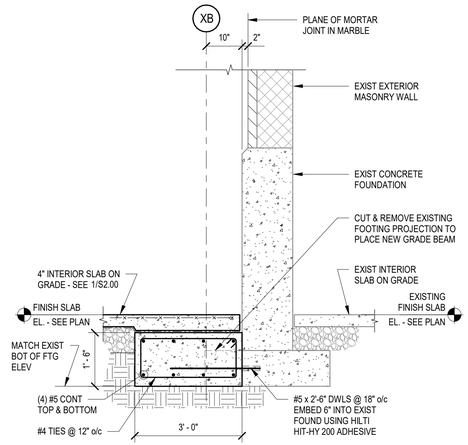
1 SECTION
1/2" = 1'-0"



2 SECTION
1/2" = 1'-0"



3 SECTION
1/2" = 1'-0"

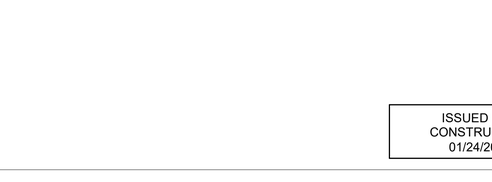


4 SECTION
1/2" = 1'-0"

5 SECTION
1/2" = 1'-0"

6 SECTION
1/2" = 1'-0"

7 SECTION
1/2" = 1'-0"



8 SECTION
1/2" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
JULIE L. REILLY
NO. 134842
STRUCTURAL
REGISTERED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

FOUNDATION DETAILS

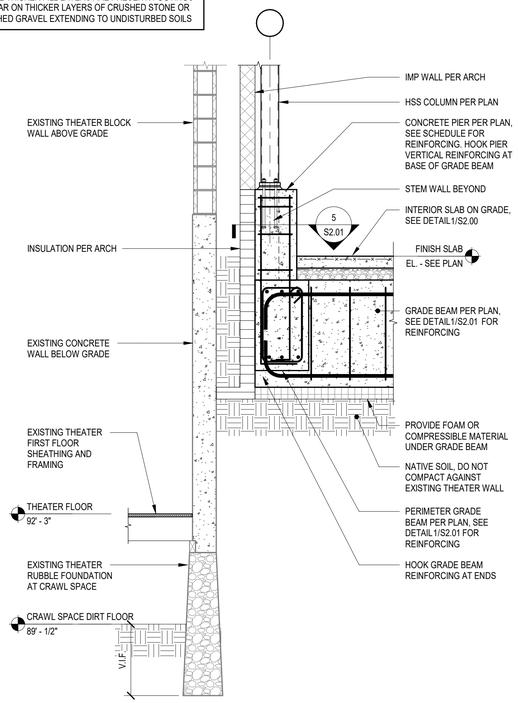
PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	1/2" = 1'-0"

ISSUED FOR CONSTRUCTION
01/24/2025

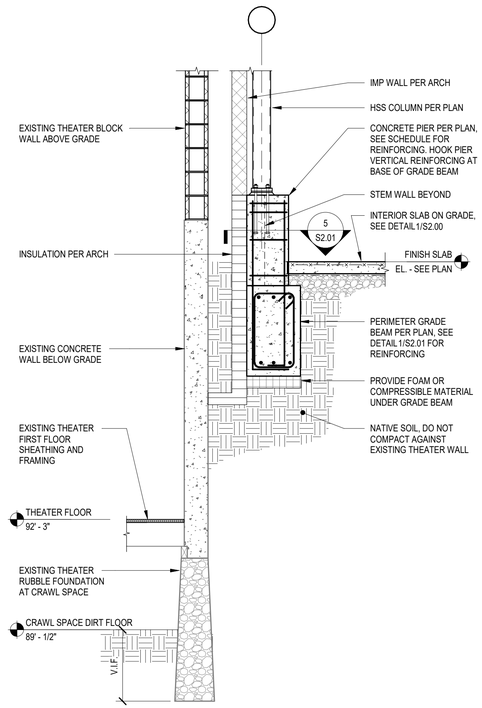
S2.03

PRINTED: 1/23/2025 12:11:48 PM FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_julier-EV.rvt

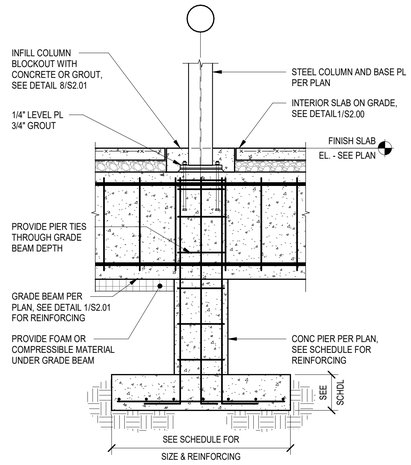
GEOTECHNICAL NOTE:
1. FOOTINGS TO BEAR ON 6" OF 3/4" CRUSHED STONE OVER UNDISTURBED NATIVE GRAVELLY SOILS
2. WHERE THICKER FILL LAYERS ARE PRESENT: FOOTINGS TO BEAR ON THICKER LAYERS OF CRUSHED STONE OR CRUSHED GRAVEL EXTENDING TO UNDISTURBED SOILS



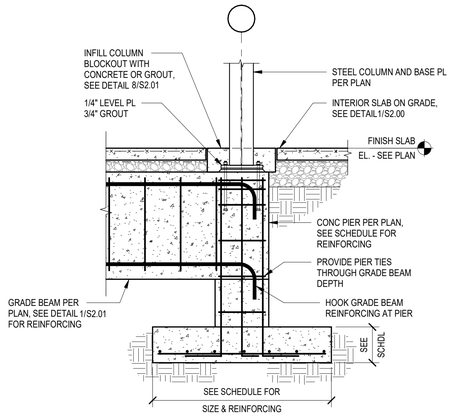
1 GRADE BEAM SECTION
1/2" = 1'-0"



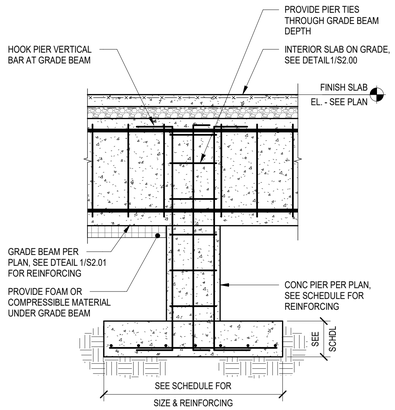
2 GRADE BEAM SECTION
1/2" = 1'-0"



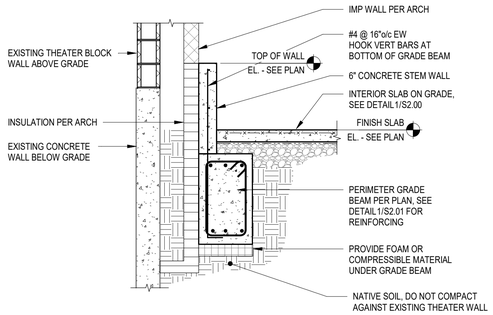
3 GRADE BEAM SECTION
1/2" = 1'-0"



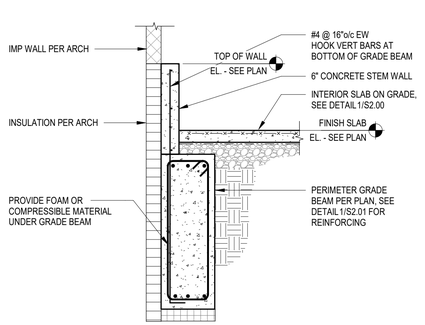
4 GRADE BEAM SECTION
1/2" = 1'-0"



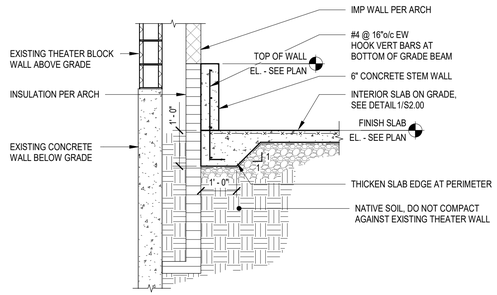
5 GRADE BEAM SECTION
1/2" = 1'-0"



11 GRADE BEAM SECTION
1/2" = 1'-0"



12 GRADE BEAM SECTION
1/2" = 1'-0"



13 SECTION
1/2" = 1'-0"

ISSUED FOR CONSTRUCTION
01/24/2025

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
JULIE L. REILLY
NO. 134842
STRUCTURAL
LICENSED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

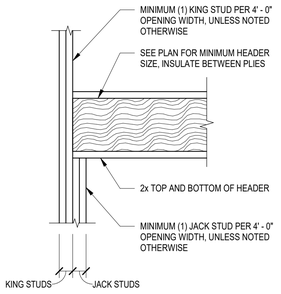
MIDDLEBURY, VERMONT

FOUNDATION DETAILS

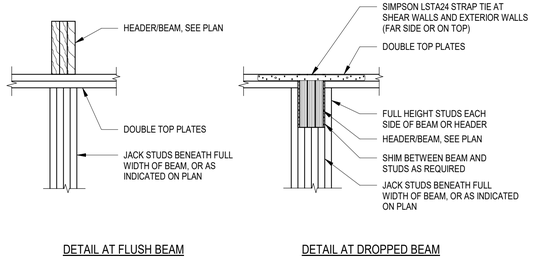
PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	1/2" = 1'-0"

S2.04

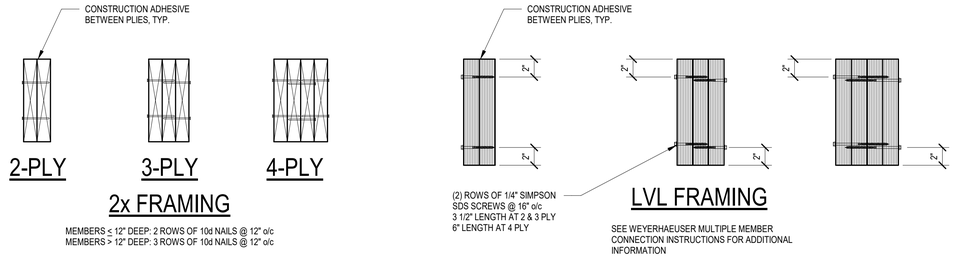
PRINTED: 1/23/2025 12:11:47 PM
FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_Juliet-EV.rvt



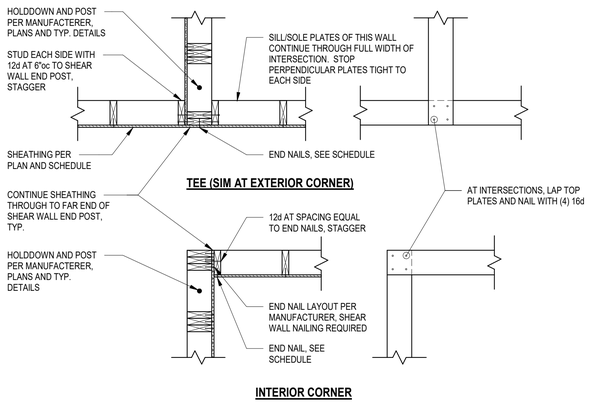
1 TYPICAL WOOD HEADER AT WALL OPENING
3/4" = 1'-0"



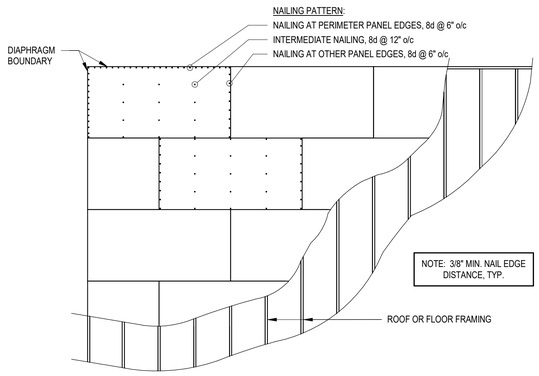
2 TYPICAL WOOD BEAM BEARING PERPENDICULAR TO WALL
3/4" = 1'-0"



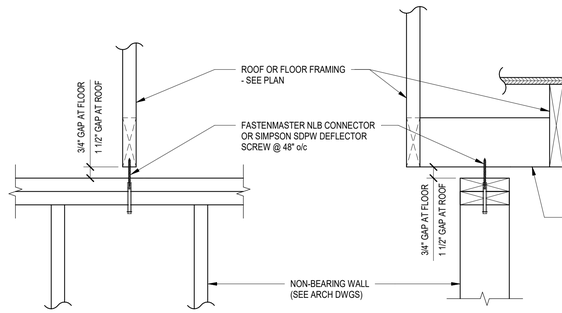
3 TYPICAL MULTI-MEMBER BEAM CONNECTION
1 1/2" = 1'-0"



4 TYPICAL WOOD WALL INTERSECTIONS
3/4" = 1'-0"

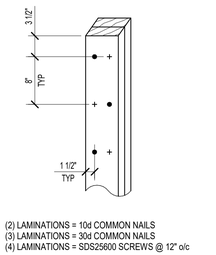


5 TYPICAL LAYOUT AND NAILING FOR FLOOR AND ROOF SHEATHING
3/4" = 1'-0"

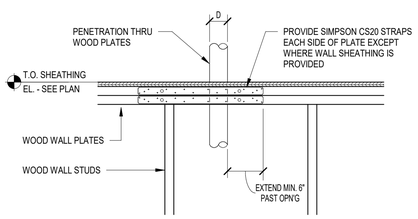


NOTES:
1. GAP SHALL APPLY AFTER ALL DEAD LOADS ARE IN PLACE.
2. FASTEN GWB AND OTHER FINISHES PER ARCH SO AS TO PERMIT FRAMING DEFLECTION.
3. NON-BEARING WALL TO HAVE SINGLE OR DOUBLE TOP PLATE.

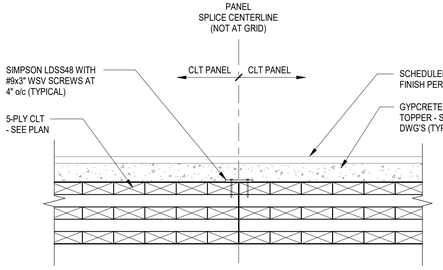
6 TYPICAL SUPPORT AT TOP OF NON-BEARING WALLS
1 1/2" = 1'-0"



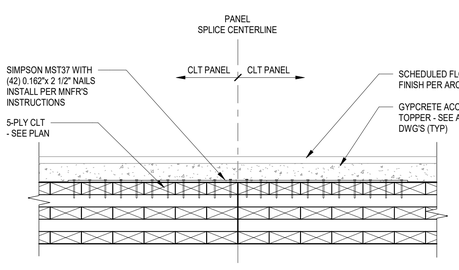
7 TYPICAL BUILT-UP COLUMN DETAIL
1" = 1'-0"



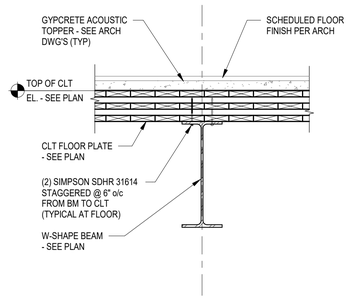
8 TYPICAL PENETRATION IN WOOD PLATE DETAIL
1" = 1'-0"



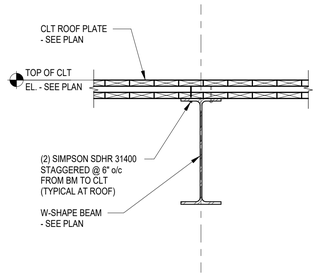
9 TYPICAL CLT SPLICE AT PANEL JOINT
1 1/2" = 1'-0"



10 CLT TENSION CHORD SPLICE
1 1/2" = 1'-0"



11 TYPICAL CLT FLOOR TO STEEL BEAM DETAIL
3/4" = 1'-0"



12 TYPICAL CLT ROOF TO STEEL BEAM DETAIL
3/4" = 1'-0"

ISSUED FOR CONSTRUCTION
01/24/2025

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT · JULIE L. REILLY · NO. 134842 · STRUCTURAL · LICENSED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

TYPICAL WOOD FRAMING DETAILS

PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	As indicated

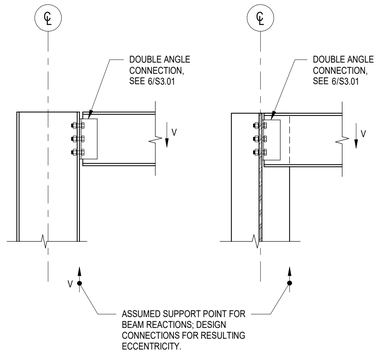
S3.00

PRINTED: 1/23/2025 12:11:48 PM
FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_Julier-EV.rvt

SCHEDULE OF MINIMUM BEAM CONNECTIONS		
NOMINAL BEAM DEPTH (NOTE 1)	MINIMUM ROWS OF BOLTS (NOTE 2)	MINIMUM VERTICAL REACTION FOR BEAM CONNECTION, DESIGN, KIPS (NOTE 2)
W8	N = 2	10
W10	N = 2	12
W12	N = 2	20
W14	N = 3	25
W16	N = 3	30
W18	N = 4	40
W21	N = 4	45
W24	N = 5	55
W27	N = 5	60
W30	N = 6	65

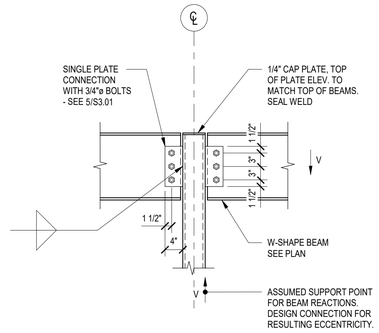
NOTES:
1. MINIMUM REQUIREMENTS FOR CHANNELS AND TUBES AS BEAMS ARE THE SAME FOR WIDE-FLANGE BEAMS OF THE SAME NOMINAL DEPTH.
2. PROVIDE ADDITIONAL BOLTS AS NEEDED TO RESIST THE SPECIFIED CONNECTION FORCES.
3. DESIGN BEAM CONNECTIONS FOR REACTIONS INDICATED IN THE DRAWINGS. WHERE NO REACTION IS INDICATED, DESIGN FOR THE SCHEDULED MINIMUM REACTION.

1 MINIMUM BEAM CONNECTION SCHEDULE
3/4" = 1'-0"



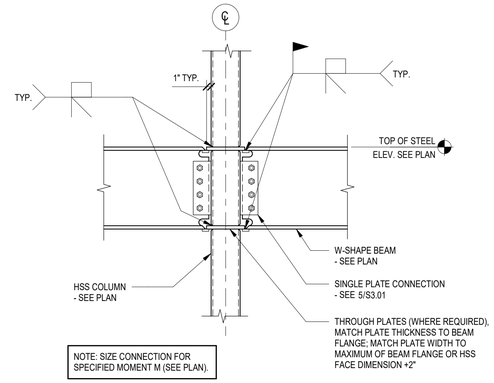
NOTES:
1. NUMBER OF BOLTS SHOWN ARE INDICATIVE ONLY. DESIGN CONNECTION FOR SPECIFIED REACTION.
2. SEE 1/S3.01 FOR SCHEDULE OF MINIMUM BEAM CONNECTIONS.

2 TYPICAL STEEL BEAM TO WIDE FLANCE COLUMN CONNECTION
3/4" = 1'-0"

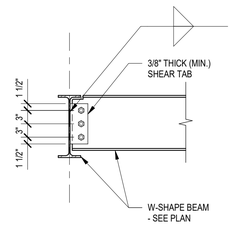


NOTES:
1. NUMBER OF BOLTS SHOWN ARE INDICATIVE ONLY. DESIGN CONNECTION FOR SPECIFIED REACTION.
2. SEE 1/S3.01 FOR SCHEDULE OF MINIMUM BEAM CONNECTIONS.

3 TYPICAL STEEL BEAM TO HSS COLUMN CONNECTION
3/4" = 1'-0"

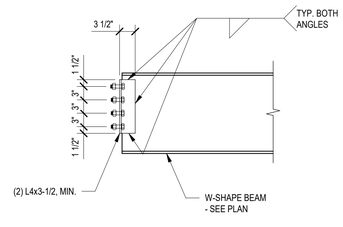


4 TYPICAL MOMENT CONNECTION AT HSS COLUMN
3/4" = 1'-0"



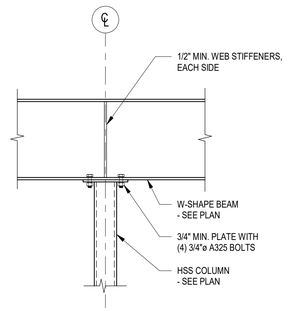
NOTES:
1. NUMBER OF BOLTS SHOWN ARE INDICATIVE ONLY. DESIGN CONNECTION FOR SPECIFIED REACTION.
2. SEE 1/S3.01 FOR SCHEDULE OF MINIMUM BEAM CONNECTIONS.

5 TYPICAL SINGLE PLATE CONNECTION
3/4" = 1'-0"

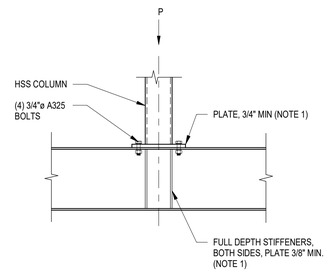


NOTES:
1. NUMBER OF BOLTS SHOWN ARE INDICATIVE ONLY. DESIGN CONNECTION FOR SPECIFIED REACTION.
2. SEE 1/S3.01 FOR SCHEDULE OF MINIMUM BEAM CONNECTIONS.

6 TYPICAL DOUBLE ANGLE CONNECTION
3/4" = 1'-0"

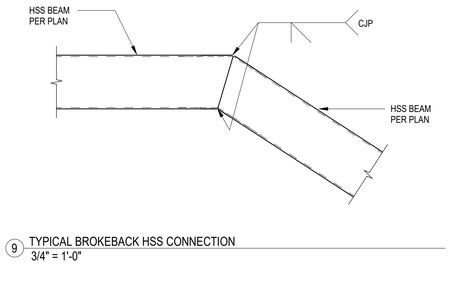


7 TYPICAL STEEL BEAM RUNNING OVER COLUMN
3/4" = 1'-0"

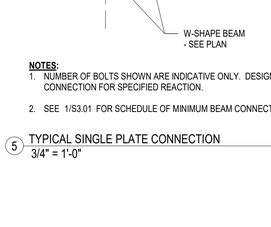


NOTE 1: SIZE CONNECTION FOR SPECIFIED LOAD P (SEE PLAN).

8 TYPICAL HSS COLUMN AT TRANSFER BEAM
3/4" = 1'-0"

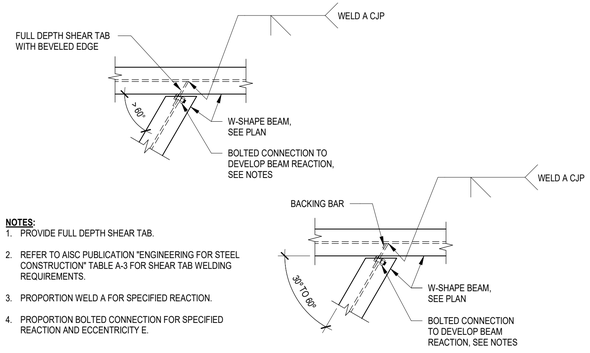


9 TYPICAL BROKEBACK HSS CONNECTION
3/4" = 1'-0"



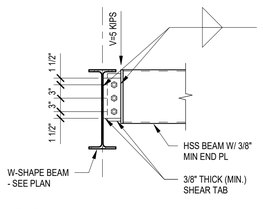
NOTES:
1. USE DETAIL 'A' WHERE X ≥ 1" AND USE DETAIL 'B' WHERE CLEARANCE DOES NOT EXIST FOR DETAIL 'A' TO APPLY.
2. SINGLE BENT PLATES SHALL BE DESIGNED FOLLOWING PROCEDURES OUTLINED IN THE AISC MANUAL.
3. PROPORTION CONNECTION FOR SPECIFIED REACTION AND ECCENTRICITY TAKEN TO POINT "A".

10 TYPICAL SKEWED STEEL BEAM TO COLUMN CONNECTION
3/4" = 1'-0"



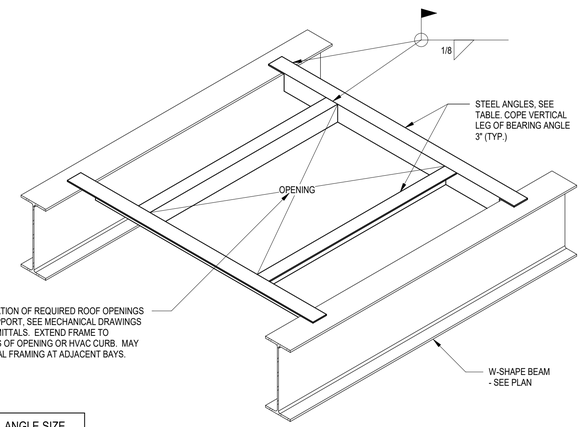
NOTES:
1. PROVIDE FULL DEPTH SHEAR TAB.
2. REFER TO AISC PUBLICATION "ENGINEERING FOR STEEL CONSTRUCTION" TABLE A-3 FOR SHEAR TAB WELDING REQUIREMENTS.
3. PROPORTION WELD A FOR SPECIFIED REACTION.
4. PROPORTION BOLTED CONNECTION FOR SPECIFIED REACTION AND ECCENTRICITY E.

11 TYPICAL SKEWED STEEL BEAM-TO-BEAM CONNECTION
3/4" = 1'-0"



NOTES:
1. NUMBER OF BOLTS SHOWN ARE INDICATIVE ONLY. DESIGN CONNECTION FOR SPECIFIED REACTION.

12 TYPICAL HSS TO WF BEAM CONNECTION
3/4" = 1'-0"



SPAN	ANGLE SIZE
UP TO 4'-0"	L3x3x3/16
4'-1" TO 6'-0"	L4x3x1/4 (LLV)
6'-1" TO 8'-0"	L5x3x1/4 (LLV)
8'-1" TO 10'-0"	L6x3x5/16 (LLV)

NOTES:
1. PROVIDE SIMILAR FRAMING AT ROOF DRAINS.
2. WELD/CONNECT DECK TO ALL FRAMING AT 6" o/c MAXIMUM SPACING.
3. ANCHOR EQUIPMENT AND CURB TO MISCELLANEOUS FRAMING SHOWN AS REQUIRED FOR WIND AND/OR SEISMIC FORCES. COORDINATE WITH EQUIPMENT/CURB MANUFACTURER.

13 TYPICAL ROOF OPENING SUPPORT FRAMING AT W-SHAPE BEAMS
3/4" = 1'-0"

ISSUED FOR CONSTRUCTION
01/24/2025

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
JULIE L. REILLY
NO. 134842
STRUCTURAL
LICENSED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

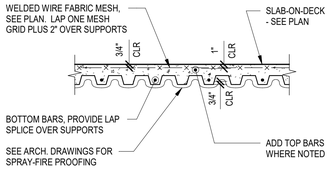
N

TYPICAL STEEL FRAMING DETAILS

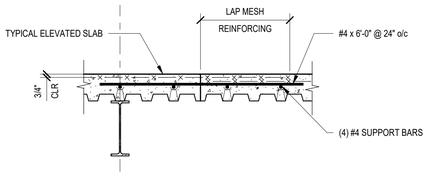
PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	3/4" = 1'-0"

S3.01

PRINTED: 1/23/2025 12:11:50 PM
FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_JulieEV.rvt



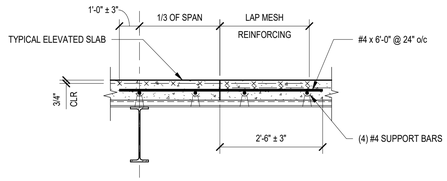
1 TYPICAL SLAB-ON-DECK
3/4" = 1'-0"



JOINT PARALLEL TO DECK FLUTES

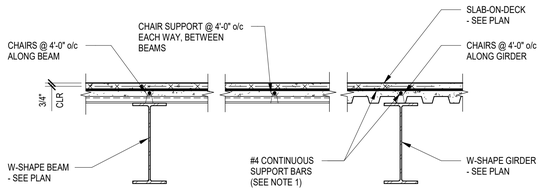
NOTES:
1. SUBMIT LOCATIONS OF ALL CONSTRUCTION JOINTS FOR REVIEW AND ACCEPTANCE BEFORE FORMING.
2. LOCATE 5'-0" MIN. FROM CENTERLINE OF NEAREST GIRDER.

2 TYPICAL SLAB-ON-DECK CONSTRUCTION JOINT
3/4" = 1'-0"



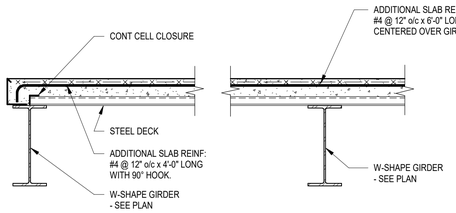
JOINT PERPENDICULAR TO DECK FLUTES

NOTE:
1. SUBMIT LOCATIONS OF ALL CONSTRUCTION JOINTS .



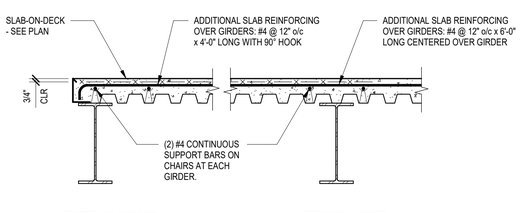
NOTE:
1. PROVIDE CONTINUOUS #4 SUPPORT BARS AT 4'-0" o/c MAX. IN EACH DIRECTION. TO SUPPORT MESH AND/OR TOP REINFORCING AT SPECIFIED ELEVATION. AT EACH INTERSECTION POINT, TIE SUPPORT BARS TOGETHER & PROVIDE HIGH CHAIR. CHAIRS SHALL BE MANUFACTURED FOR SUPPORT ON METAL DECK (CRSI TYPE HCM). TIE MESH AND SPECIFIED TOP SLAB REINFORCEMENT TO SUPPORT BARS AT 4'-0" o/c IN EACH DIRECTION.

3 TYPICAL BAR SUPPORTS FOR SLAB-ON-DECK MESH AND TOP BARS
3/4" = 1'-0"



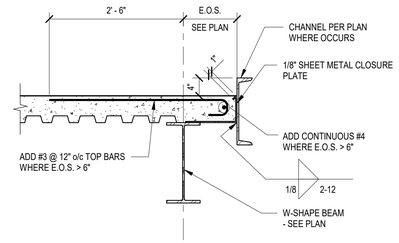
EXTERIOR GIRDER **INTERIOR GIRDER**

4 TYPICAL ADDED SLAB-ON-DECK TOP BARS OVER BEAMS PERPENDICULAR TO DECK RIBS
3/4" = 1'-0"

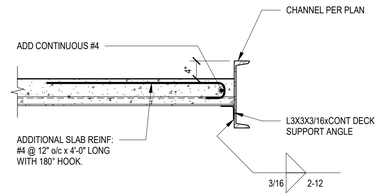


EXTERIOR GIRDER **INTERIOR GIRDER**

5 TYPICAL ADDED SLAB-ON-DECK TOP BARS OVER BEAMS PARALLEL TO DECK RIBS
3/4" = 1'-0"



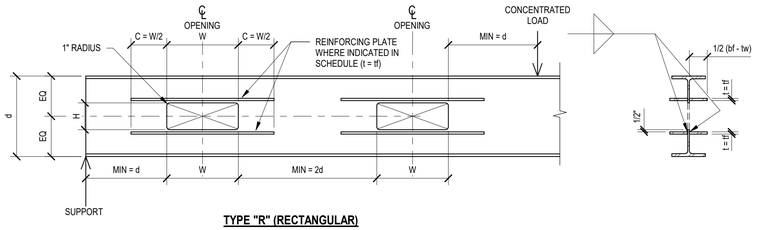
6 TYPICAL SLAB-ON-DECK EDGE
3/4" = 1'-0"



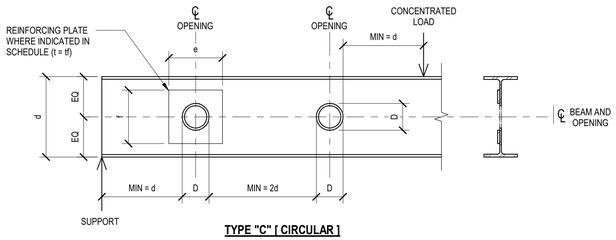
7 TYPICAL SLAB-ON-DECK AT CHANNEL BEAM
3/4" = 1'-0"

BEAM WEB PENETRATION					
MARK	TYPE	MAXIMUM SIZE (IN)			REINFORCING?
		W	H	D	
1	R	8	8	N/A	NO
2	R	14	7	N/A	NO
3	R	16	8	N/A	YES
4	R	24	15	N/A	NO
5	C	N/A	N/A	3	NO
6	C	N/A	N/A	8	NO
7	C	N/A	N/A	16	NO
8	R	14	12	N/A	NO

BEAM PENETRATION NOTES:
1. SHOW ALL WEB OPENINGS ON STEEL SUBMITTAL PRIOR TO FABRICATION.
2. SEE PLANS FOR QUANTITY AND LOCATIONS.
3. CONTRACTOR SHALL VERIFY QUANTITY, SIZE, AND LOCATIONS WITH MEP DRAWINGS.
4. NO OPENING WITHIN d DISTANCE FROM END OF BEAM
5. CONCENTRATED LOAD INCULDES BUT IS NOT LIMITED TO HANGING MECHANICAL UNITS AND OTHER BEAMS.
6. DIMENSIONED W, H, AND D INDICATE MAXIMUM OUTER DIMENSION OF PENETRATION.
7. ALL PENETRATIONS ARE TO BE LOCATED AT THE MIDHEIGHT OF THE BEAM AS INDICATED IN THE DIAGRAMS.
8. PROVIDE REINFORCING PLATES IF REINFORCING IS INDICATED.
9. WELD SIZE OF REINFOCRING PLATE TO BE t/f2+1/16"

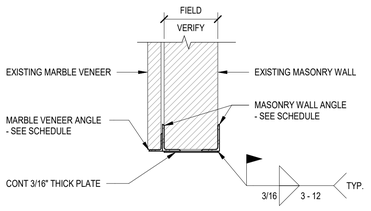


TYPE "R" (RECTANGULAR)



TYPE "C" [CIRCULAR]

9 TYPICAL BEAM PENETRATION SCHEDULE
3/4" = 1'-0"



TYPICAL SECTION

LOOSE LINTEL SCHEDULE				
PLAN MARK	CLEAR SPAN	MASONRY WALL ANGLE SIZE (LLV)	MARBLE VENEER ANGLE SIZE (LLV)	MINIMUM END BEARING
LL1	4' - 0"	(2) L4 x 3 x 1/4	N/A	6"
LL2	4' - 0"	(2) L6 x 4 x 5/16	L3 x 3 x 3/16	6"
LL3	7' - 0"	(2) L6 x 4 x 5/16	L4 x 3 x 1/4	8"

NOTES:
1. COORDINATE LINTEL LOCATION, LENGTH AND QUANTITY WITH ARCHITECTURAL DRAWINGS.
2. WHERE MINIMUM BEARING CAN NOT BE ACHIEVED, PROVIDE ADEQUATE CONNECTION TO ADJACENT STRUCTURAL MEMBERS OR PROVIDE SEPARATE VERTICAL SUPPORTS. SUBMIT SUCH DETAILS TO THE ARCHITECT.
3. ALL LINTEL STEEL SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION.
4. PACK GROUT BETWEEN BOTTOM OF EXISTING MASONRY AND ANGLE.
5. GROUT SOLID UNDER BEARING LOCATIONS.
6. NOTCH MASONRY AS REQUIRED TO RECESS VERTICAL LEG OF ANGLE INTO EXISTING MASONRY.

10 TYPICAL LINTEL AT NEW MASONRY OPENINGS
3/4" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT JULIE L. REILLY NO. 134842 STRUCTURAL LICENSED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

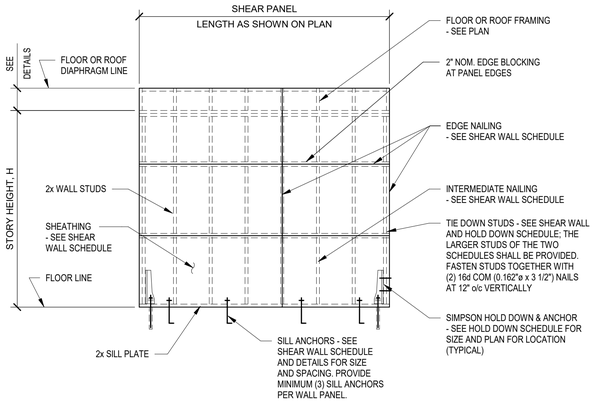
TYPICAL STEEL FRAMING DETAILS

PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	3/4" = 1'-0"

ISSUED FOR CONSTRUCTION 01/24/2025

S3.02

PRINTED: 1/23/2025 12:11:51 PM FILENAME: Z:\Shortcuts\O-Revit Local Files\23152 Ilsley Public Library_central_R24_Julier-EV.rvt



1 TYPICAL SHEAR PANEL DETAIL
1/8" = 1'-0"

NOTES:
1. PROVIDE BLOCKING AT ALL PANEL EDGES.
2. ALL STUDS SHALL BE SPF No. 1 / No. 2 OR BETTER.
3. ALL WALL PLATES SHALL BE No. 1 / No. 2 OR BETTER.
4. ALL SHEATHING SHALL BE APA RATED.
5. ALL SHEAR WALLS TO EXTEND FROM FLOOR DIAPHRAGMS TO FLOOR OR ROOF DIAPHRAGMS.

SHEAR WALL SCHEDULE

WALL MARK	SHEATHING	NAILING		MINIMUM TIE DOWN STUDS[6]	BOTTOM PLATE ATTACHMENT	SILL ANCHORS
		AT PANEL EDGES	AT INTERMEDIATE SUPPORTS			
SW1	7/16" THICK ON ONE FACE	8d NAILS AT 6"oc	8d NAILS AT 12"oc	(2) 2x6	(2) 16d COMMON NAILS AT 12"oc	1/2"Ø AT 32"oc
SW2	7/16" THICK ON ONE FACE	8d NAILS AT 3"oc	8d NAILS AT 12"oc	(2) 2x6	(2) 16d COMMON NAILS AT 8"oc	1/2"Ø AT 32"oc

NOTES:
1. PROVIDE BLOCKING AT ALL PANEL EDGES.
2. ALL STUDS SHALL BE SPF No. 1 / No. 2 OR BETTER.
3. ALL WALL PLATES SHALL BE No. 1 / No. 2 OR BETTER, UNLESS NOTED OTHERWISE IN BEARING WALL SCHEDULE.
4. ALL SHEATHING SHALL BE APA RATED.
5. ALL SHEAR WALLS TO EXTEND FROM FLOOR DIAPHRAGMS TO FLOOR OR ROOF DIAPHRAGMS.
6. PROVIDE MINIMUM TIE DOWN STUDS UNLESS END POST NOTED OTHERWISE ON PLAN.
7. PROVIDE MINIMUM (3) SILL ANCHORS IN WALL PANEL.
8. FASTENERS: 8d COMMON (0.131"øx2 1/2")
   16d COMMON (0.162"øx3 1/2")

HOLD DOWN SCHEDULE

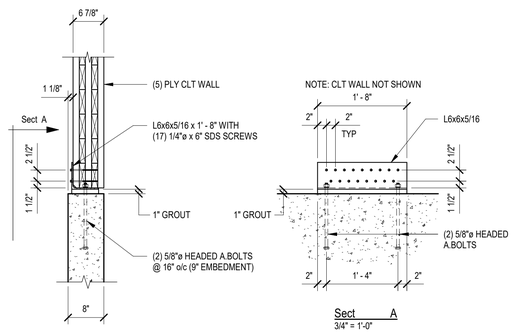
MARK	HOLD DOWN	MINIMUM TIE DOWN STUDS[2]	THREADED ROD ANCHOR	FASTENERS
HD1	DTT2Z	(2) 2x6	1/2"Ø EPOXY ANCHOR W/ 7" EMBEDMENT	(8) 1/4" x 1 1/2" SDS SCREWS
HD2	HDU4-SDS2.5	(2) 2x6	5/8"Ø EPOXY ANCHOR W/ 12" EMBEDMENT	(10) 1/4" x 2 1/2" SDS SCREWS

NOTES:
1. HOLD DOWNS BY SIMPSON STRONG-TIE.
2. PROVIDE MINIMUM TIE DOWN STUDS UNLESS END POST NOTED OTHERWISE ON PLAN.
3. SEE TYPICAL HOLD DOWN DETAILS ON THIS SHEET.
4. SEE PLAN FOR HOLD DOWN LOCATIONS.
5. EPOXY THREADED RODS TO BE GR 36 THREADED ROD. USE HILTI HIT-HY 200 v3 EPOXY INTO CONCRETE.
6. 2" MIN EDGE DISTANCE FOR ALL ANCHORS.

2 TYPICAL SHEAR WALL HOLD DOWN
3/4" = 1'-0"

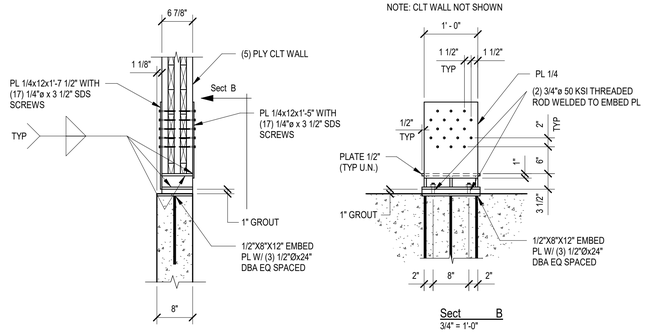
3 TYPICAL SHEAR WALL HOLD DOWN
3/4" = 1'-0"

5 TYPICAL SHEAR WALL HOLD DOWN
3/4" = 1'-0"



TYPE A
3/4" = 1'-0"

NOTE: PROVIDE (3) TYPE A CONNECTIONS ALONG LENGTH OF CLT WALL PANEL.



TYPE B
3/4" = 1'-0"

NOTE: PROVIDE TYPE B CONNECTION AT EACH END OF CLT WALL PANEL.

4 TYPICAL ELEVATOR CLT WALL BASE DETAILS
3/4" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
JULIE L. REILLY
NO. 134842
STRUCTURAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

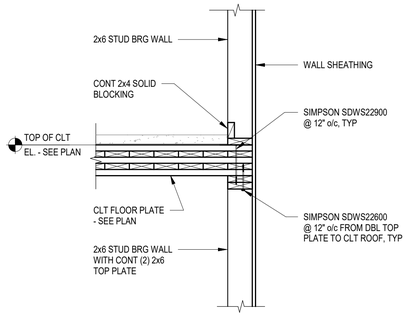
TYPICAL SHEAR WALL & CLT WALL DETAILS

PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	As indicated

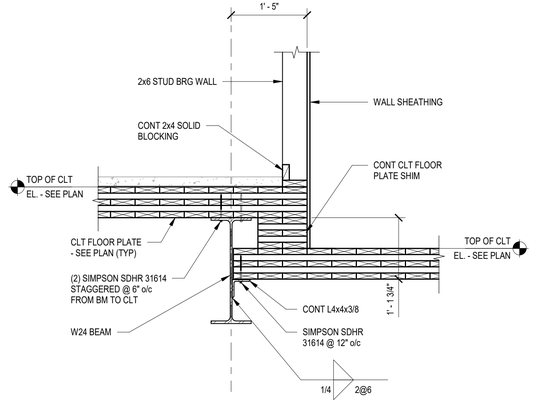
S3.03

ISSUED FOR CONSTRUCTION
01/24/2025

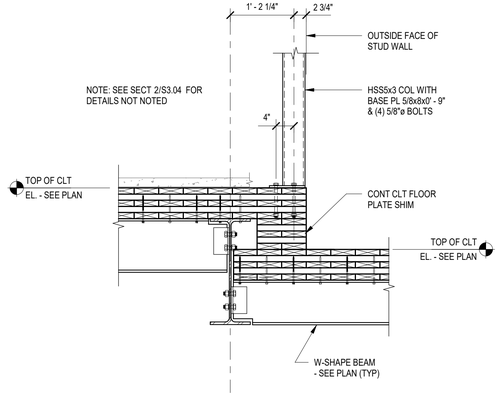
FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_Julier-EV.rvt
PRINTED: 1/23/2025 12:11:52 PM



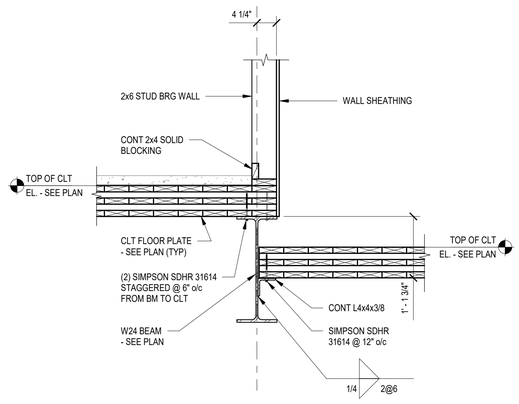
1 SECTION
3/4" = 1'-0"



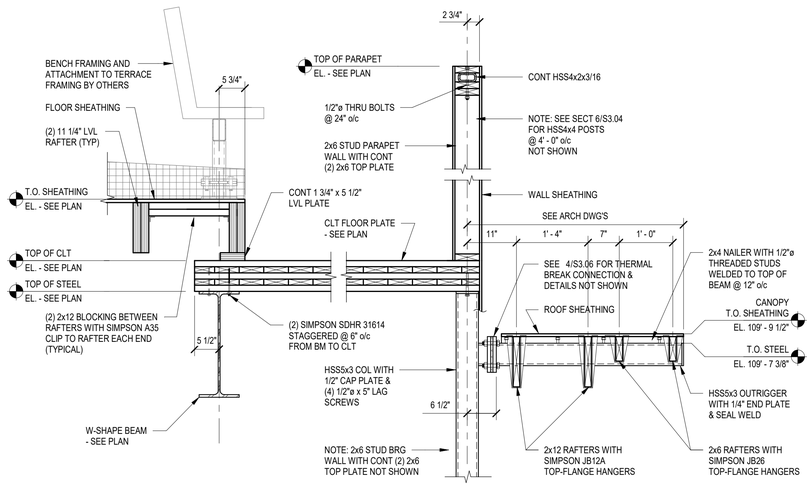
2 SECTION
3/4" = 1'-0"



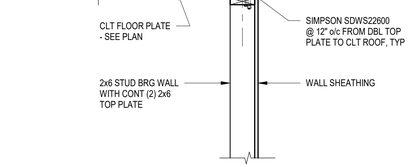
3 SECTION
3/4" = 1'-0"



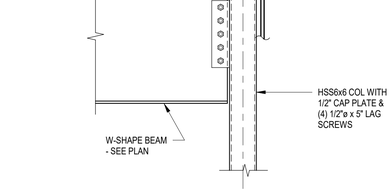
4 SECTION
3/4" = 1'-0"



5 SECTION
3/4" = 1'-0"

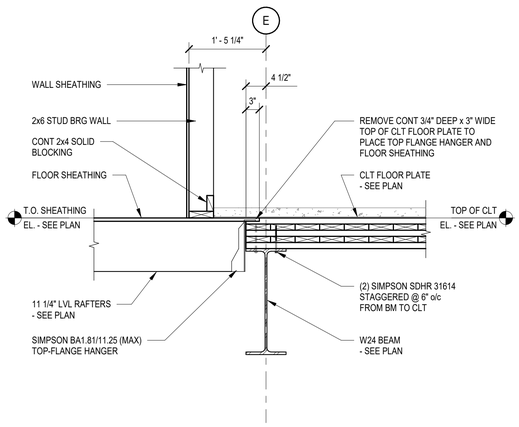


6 SECTION
3/4" = 1'-0"

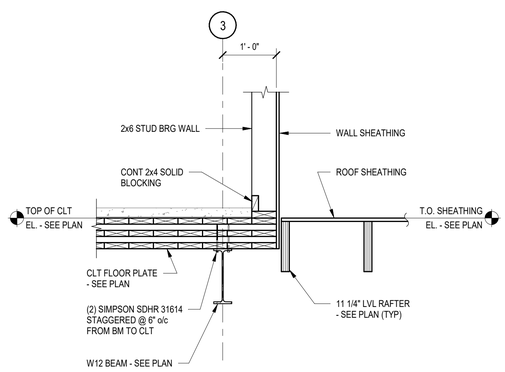


7 SECTION
3/4" = 1'-0"

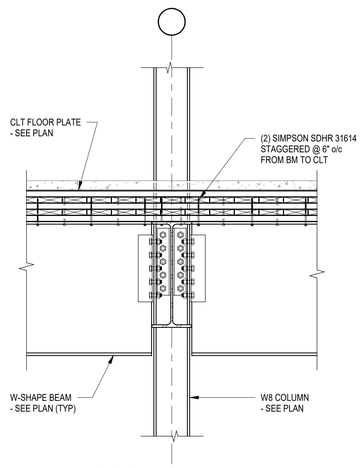
8 SECTION
3/4" = 1'-0"



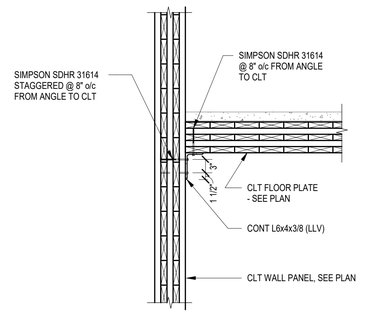
9 SECTION
3/4" = 1'-0"



10 SECTION
3/4" = 1'-0"



11 SECTION
3/4" = 1'-0"



12 SECTION
3/4" = 1'-0"

ISSUED FOR CONSTRUCTION
01/24/2025

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
JULIE L. REILLY
NO. 134842
STRUCTURAL
LICENSED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

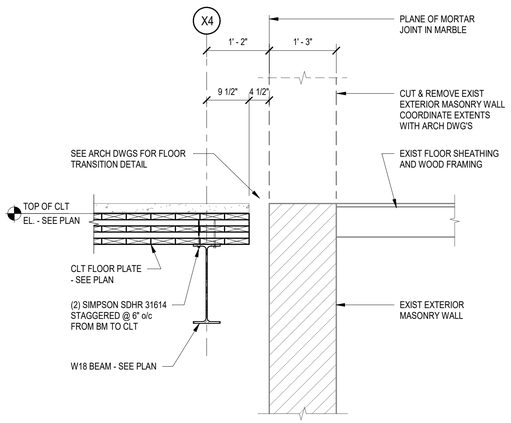
N

LEVEL 2 FRAMING DETAILS

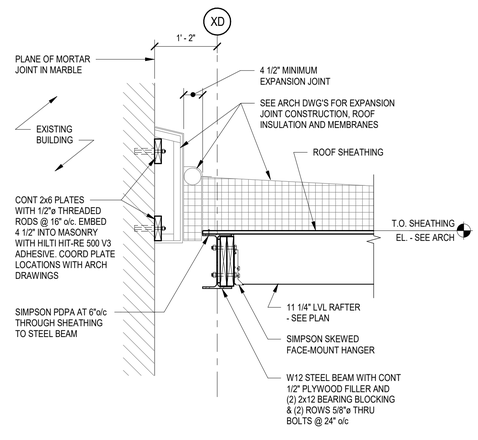
PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	3/4" = 1'-0"

S3.04

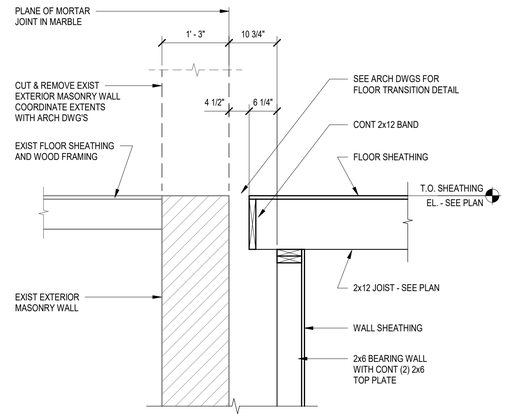
PRINTED: 1/23/2025 12:11:56 PM
FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_JulieEV.rvt



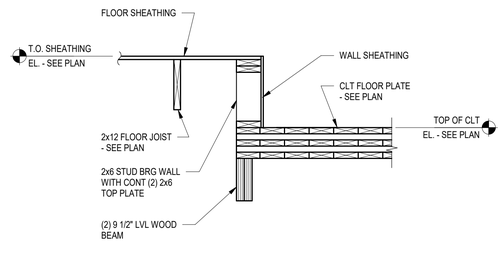
1 SECTION
3/4" = 1'-0"



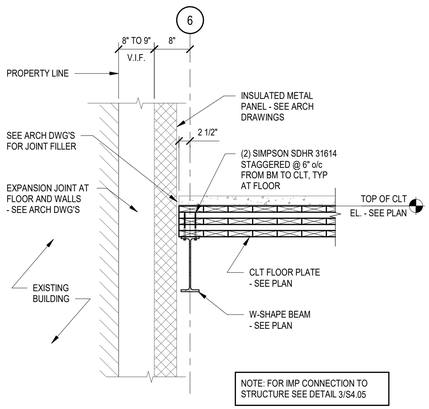
2 SECTION
3/4" = 1'-0"



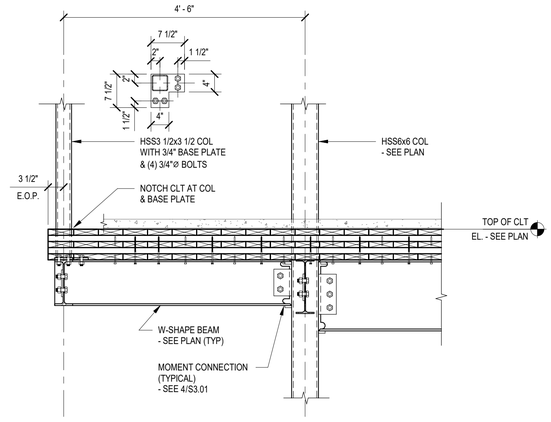
3 SECTION
3/4" = 1'-0"



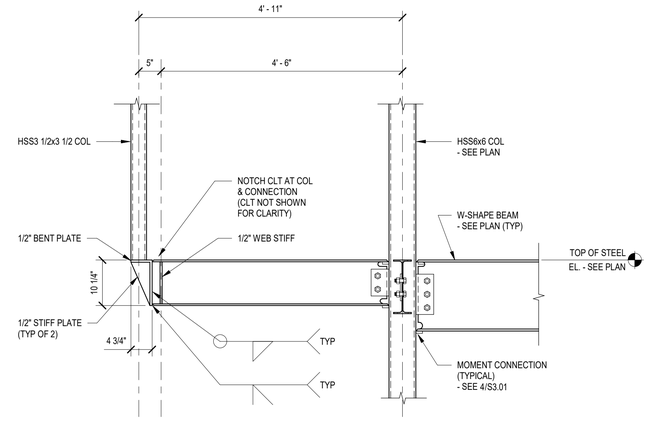
4 SECTION
3/4" = 1'-0"



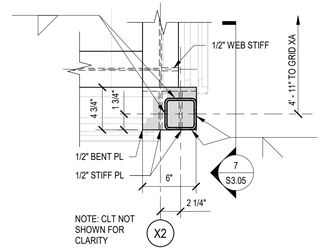
5 SECTION
3/4" = 1'-0"



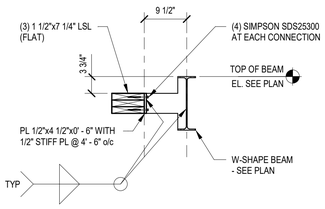
6 SECTION
3/4" = 1'-0"



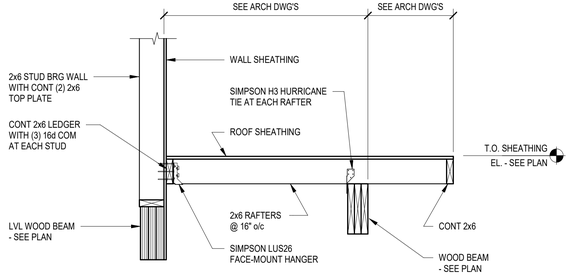
7 SECTION
3/4" = 1'-0"



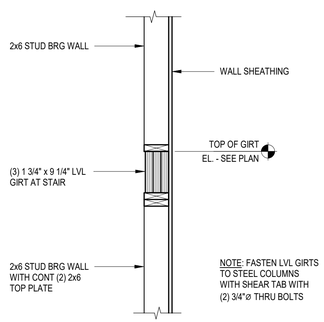
8 PLAN DETAIL AT BUMPOUT CORNER COLUMN
1 1/2" = 1'-0"



9 SECTION
3/4" = 1'-0"



10 SECTION
3/4" = 1'-0"



11 SECTION
3/4" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
JULIE L. REILLY
NO. 134842
STRUCTURAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

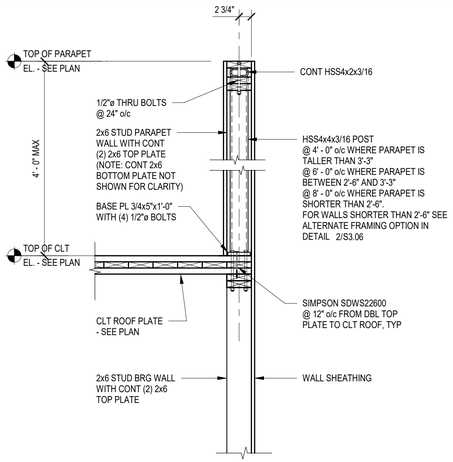
LEVEL 2 FRAMING DETAILS

PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	As indicated

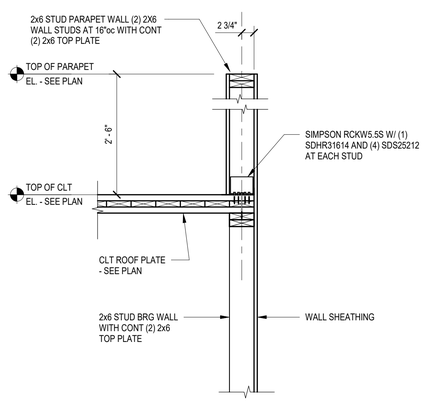
ISSUED FOR CONSTRUCTION
01/24/2025

S3.05

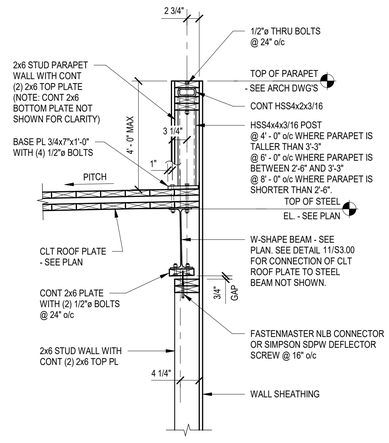
PRINTED: 1/23/2025 12:11:57 PM
FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_Julier-EV.rvt



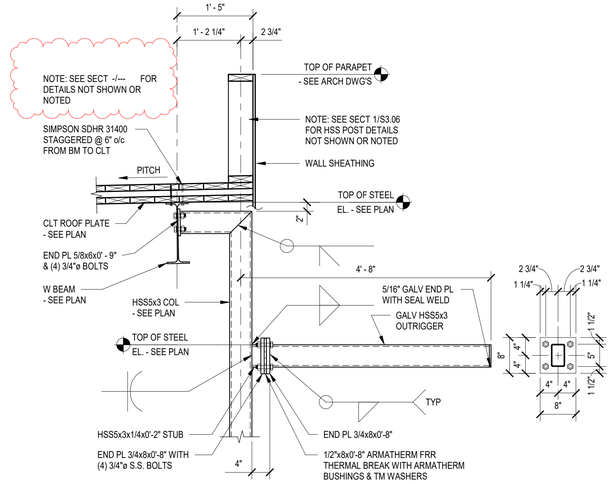
1 TYPICAL WOOD ROOF PARAPET
3/4" = 1'-0"



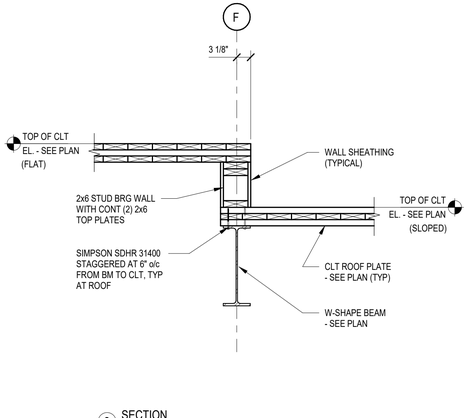
2 ALTERNATE WOOD ROOF PARAPET
3/4" = 1'-0"



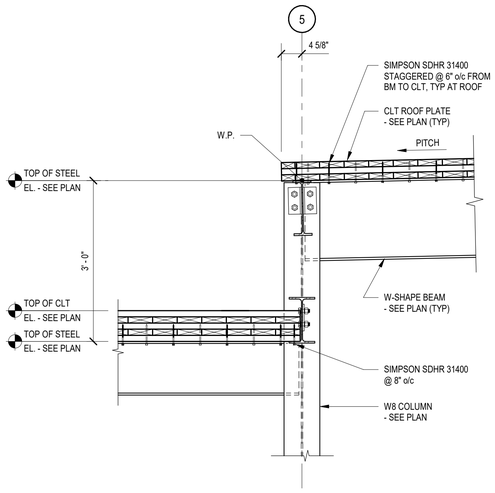
3 SECTION
3/4" = 1'-0"



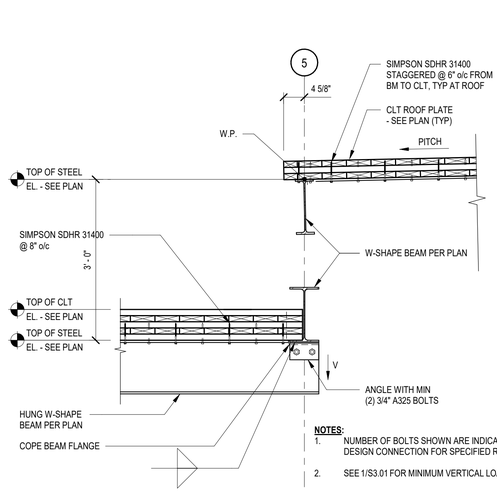
4 SECTION
3/4" = 1'-0"



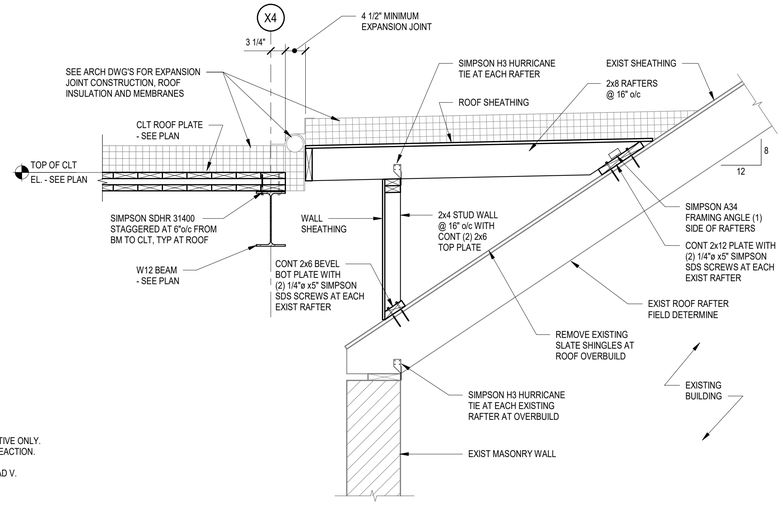
5 SECTION
3/4" = 1'-0"



6 SECTION
3/4" = 1'-0"

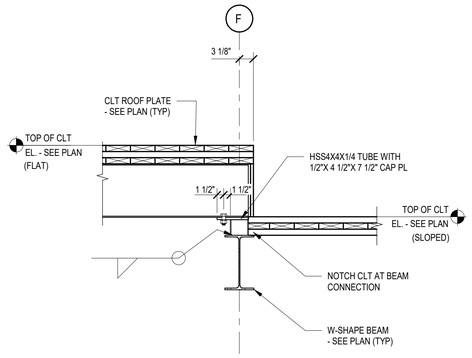


7 SECTION
3/4" = 1'-0"

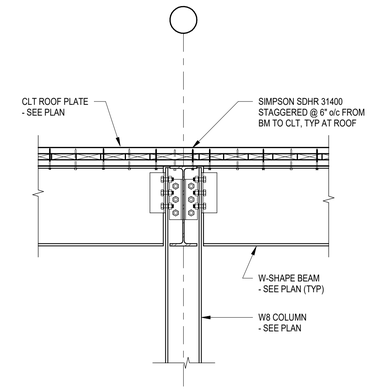


8 SECTION
3/4" = 1'-0"

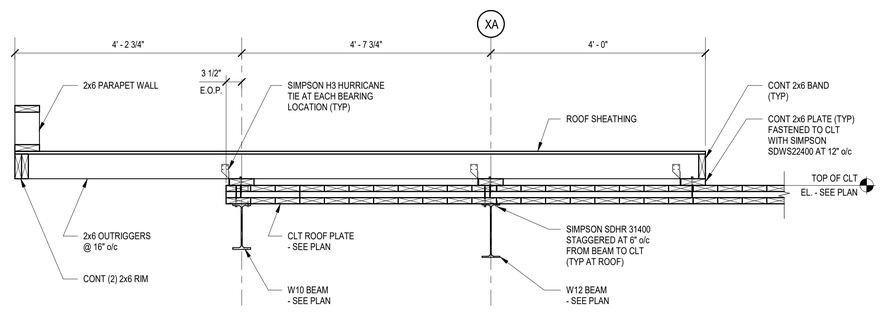
9 SECTION
3/4" = 1'-0"



10 SECTION
3/4" = 1'-0"



11 SECTION
3/4" = 1'-0"



12 SECTION
3/4" = 1'-0"

ISSUED FOR
CONSTRUCTION
01/24/2025

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
JULIE L. REILLY
NO. 134842
STRUCTURAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION
1	Date 1	Revision 1

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

ROOF FRAMING DETAILS

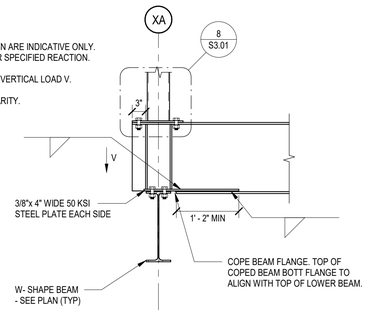
PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	3/4" = 1'-0"

S3.06

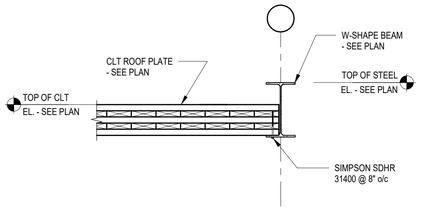
FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_Juliet-EV.rvt
PRINTED: 1/23/2025 12:11:59 PM

NOTES:

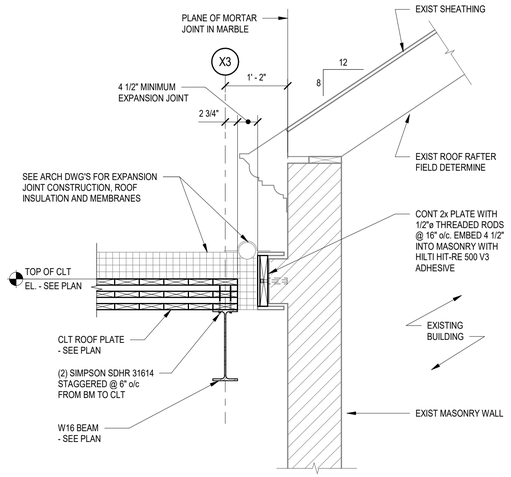
1. NUMBER OF BOLTS SHOWN ARE INDICATIVE ONLY. DESIGN CONNECTION FOR SPECIFIED REACTION.
2. SEE 1/S3.01 FOR MINIMUM VERTICAL LOAD V.
3. CLT NOT SHOWN FOR CLARITY.



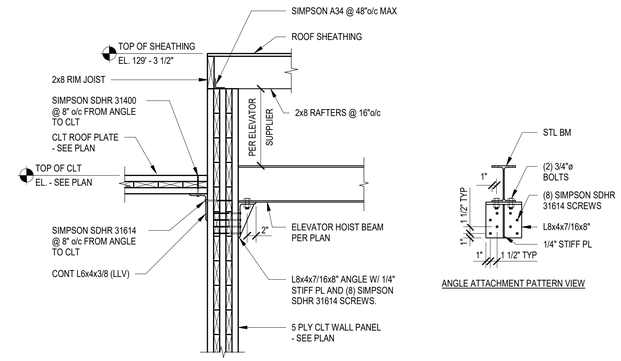
1 SECTION
3/4" = 1'-0"



2 SECTION
3/4" = 1'-0"



3 SECTION
3/4" = 1'-0"



ANGLE ATTACHMENT PATTERN VIEW

4 SECTION
3/4" = 1'-0"

5 SECTION
3/4" = 1'-0"

6 SECTION
3/4" = 1'-0"

7 SECTION
3/4" = 1'-0"

8 SECTION
3/4" = 1'-0"

9 SECTION
3/4" = 1'-0"

10 SECTION
3/4" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
JULIE L. REILLY
NO. 134842
STRUCTURAL
ENGINEER
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

N

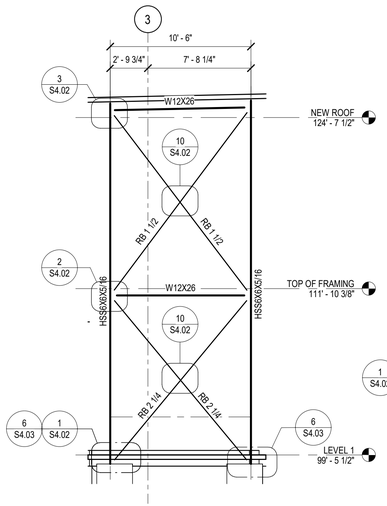
ROOF FRAMING DETAILS

PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	3/4" = 1'-0"

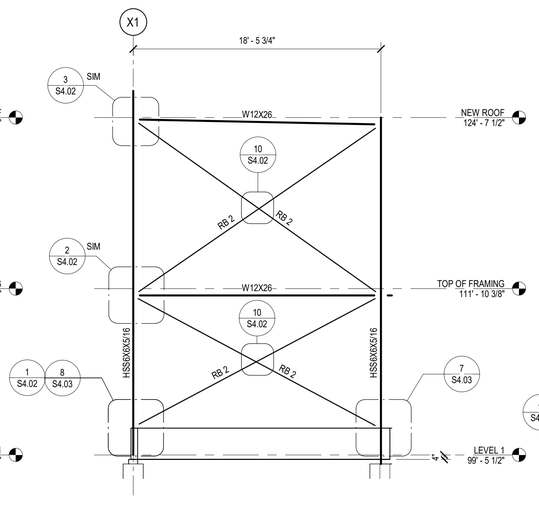
S3.07

ISSUED FOR
CONSTRUCTION
01/24/2025

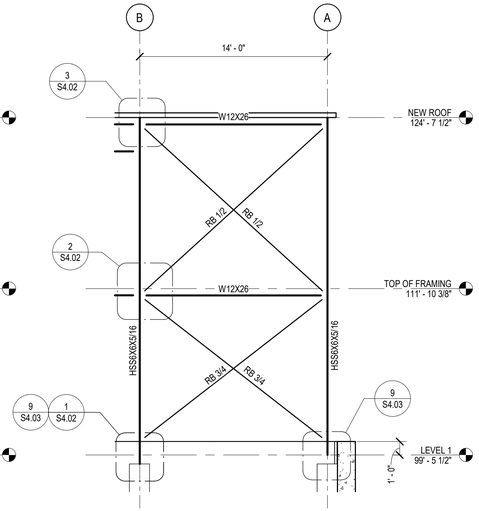
PRINTED: 1/23/2025 12:12:00 PM
FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_julie+EV.rvt



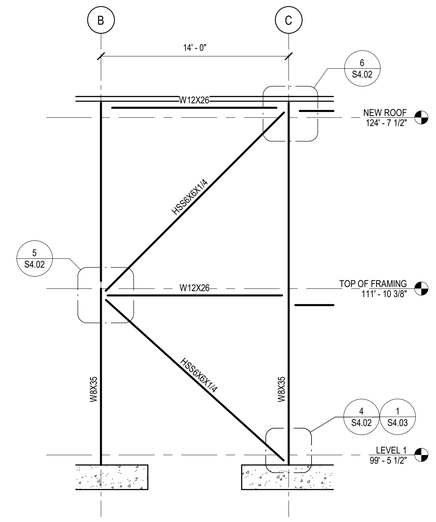
1 BRACING - GRID A
3/16" = 1'-0"



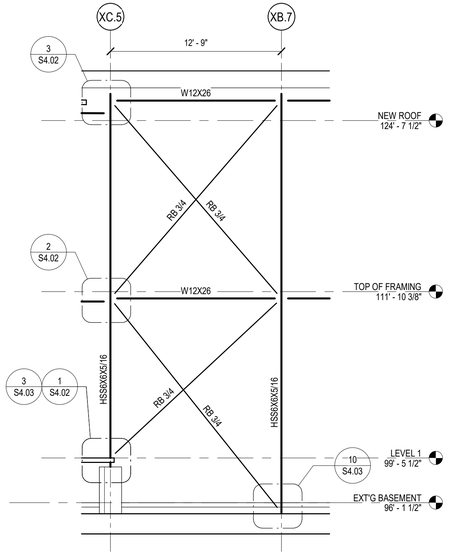
2 BRACING - GRID XC
3/16" = 1'-0"



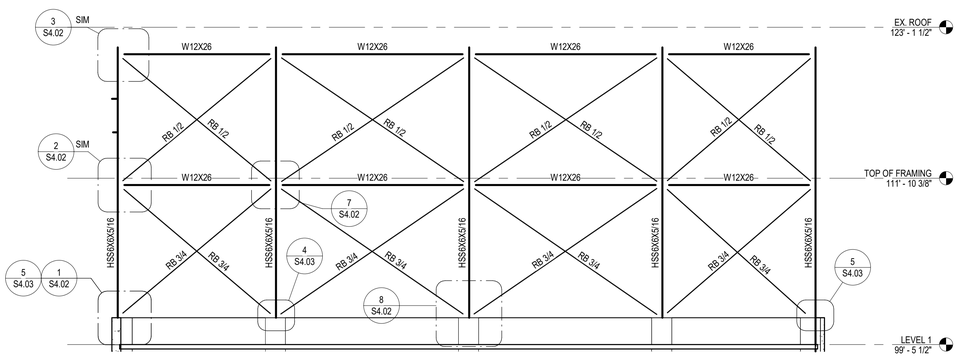
3 BRACING - GRID 5
3/16" = 1'-0"



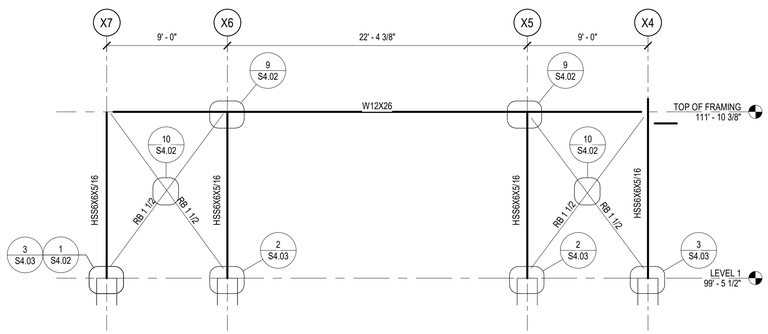
4 BRACING - GRID 3
3/16" = 1'-0"



5 BRACING - GRID X4
3/16" = 1'-0"

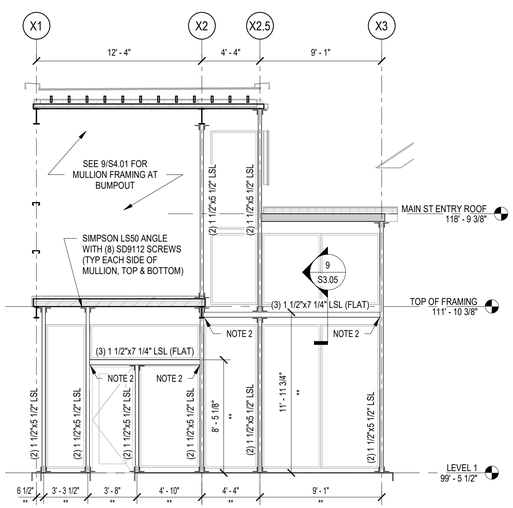


6 BRACING - GRID 6
3/16" = 1'-0"



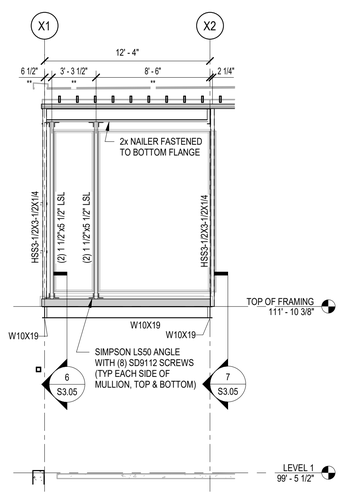
7 BRACING - GRID XD
3/16" = 1'-0"

BRACING ELEVATION NOTES:
1. "RB" DENOTES ROD X-BRACING.
2. ROD SIZES ARE NOMINAL GRADE 50 THREADED ROD DIAMETERS.
3. COORDINATE TOP OF STEEL ELEVATIONS WITH PLANS.



NOTES:
1. ** INDICATES DIMENSION TO BE COORDINATED WITH ARCH DWGS & WINDOW SUBMITTALS.
2. PROVIDE SIMPSON HUC26-3 CONCEALED FLANGE HANGER WITH MAX NAILING AT EACH END OF HORIZONTAL MULLION.

8 MAIN ENTRY FRAMING ELEVATION AT GRID XA
3/16" = 1'-0"



NOTES:
1. ** INDICATES DIMENSION TO BE COORDINATED WITH ARCH DWGS & WINDOW SUBMITTALS.

9 MAIN ENTRY FRAMING ELEVATION AT BUMPOUT
3/16" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
JULIE L. REILLY
NO. 134842
STRUCTURAL
ENGINEER
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

N

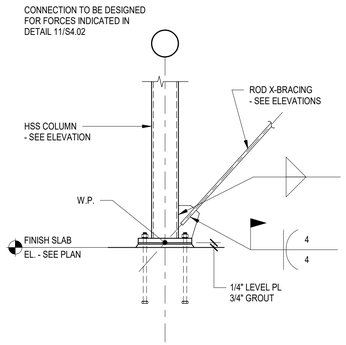
BRACING & FRAMING ELEVATIONS

PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	As indicated

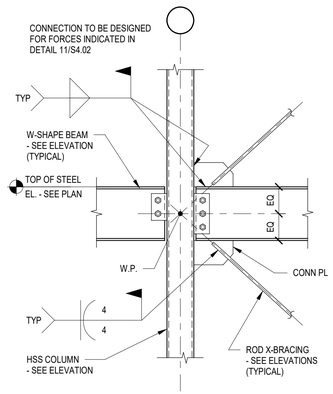
ISSUED FOR CONSTRUCTION
01/24/2025

S4.01

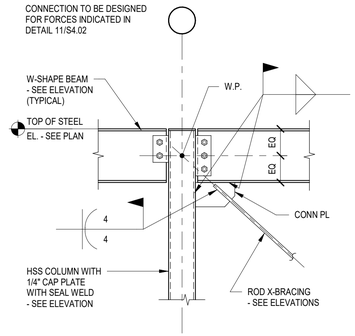
PRINTED: 1/23/2025 12:12:04 PM
FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_julier-EV.rvt



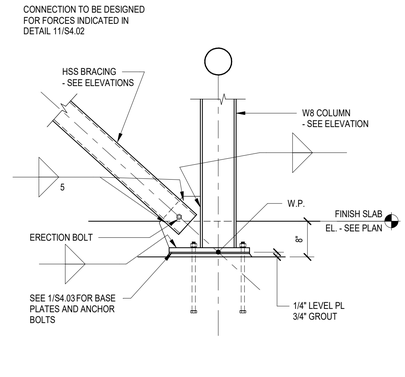
1 BRACING DETAIL A
3/4" = 1'-0"



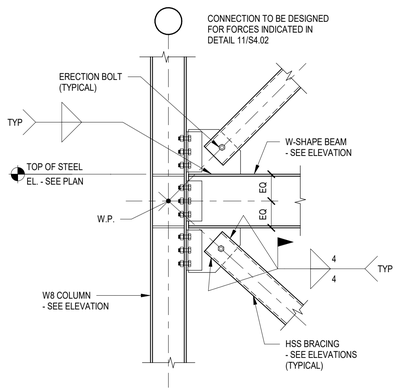
2 BRACING DETAIL B
3/4" = 1'-0"



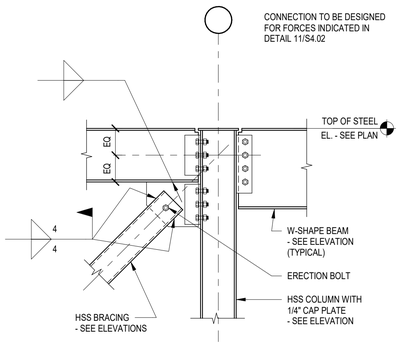
3 BRACING DETAIL C
3/4" = 1'-0"



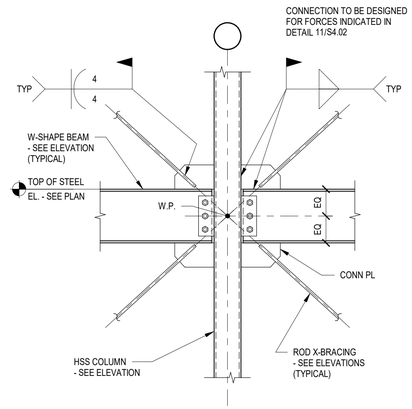
4 BRACING DETAIL D
3/4" = 1'-0"



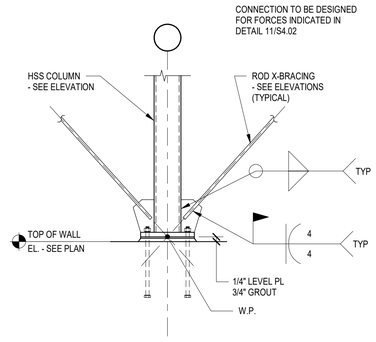
5 BRACING DETAIL E
3/4" = 1'-0"



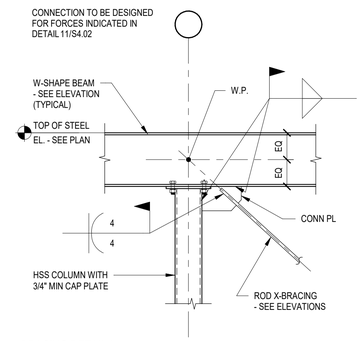
6 BRACING DETAIL F
3/4" = 1'-0"



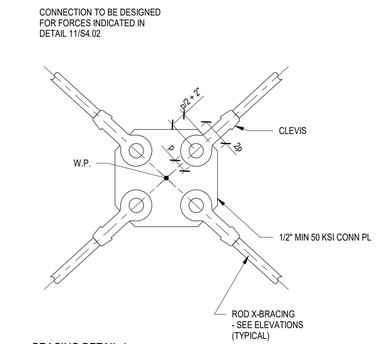
7 BRACING DETAIL G
3/4" = 1'-0"



8 BRACING DETAIL H
3/4" = 1'-0"



9 BRACING DETAIL I
3/4" = 1'-0"



10 BRACING DETAIL J
3/4" = 1'-0"

BRACE LOADING SCHEDULE

SIZE	AXIAL LOAD	FORCE DIRECTION	NOTES
1/2" THREAD. ROD	10k	TENS. ONLY	-
3/4" THREAD. ROD	19k	TENS. ONLY	-
1 1/2" THREAD. ROD	83k	TENS. ONLY	-
2" THREAD. ROD	106k	TENS. ONLY	-
2 1/4" THREAD. ROD	171k	TENS. ONLY	-
HSS6X6X1/4	123k	TENS./COMP.	-

NOTES:

1. PROVIDE WELDS, PLATES, BLOTS, ETC. TO MEET REQUIRED LOADING INDICATED IN THE TABLE.
2. ALL LOADING IS ULTIMATE LEVEL FORCES INCLUDING OVERSTRENGTH.
3. GUSSET PLATE TO BEAM CONNECTION TO BE DESIGNED FOR HORIZONTAL FORCE COMPONENT IN BRACE.
4. GUSSET PLATE TO COLUMN CONNECTION TO BE DESIGNED FOR VERTICAL FORCE COMPONENT IN BRACE.

11 BRACE LOADING SCHEDULE
1/2" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098



#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

N

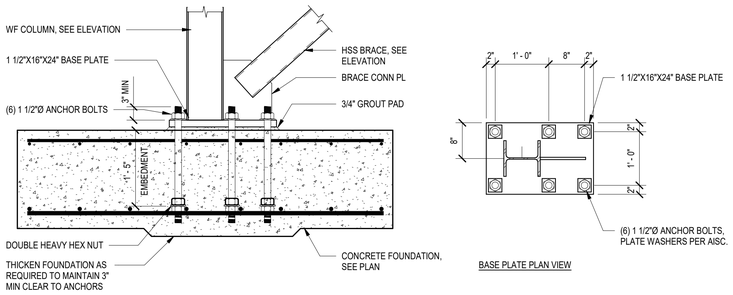
BRACING DETAILS

PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	As indicated

ISSUED FOR CONSTRUCTION
01/24/2025

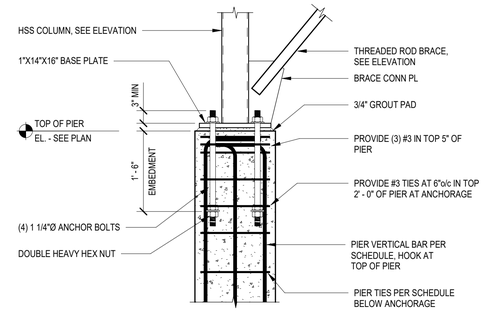
S4.02

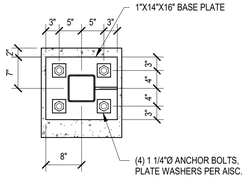
PRINTED: 1/23/2025 12:12:06 PM FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_julier-EV.rvt



BASE PLATE PLAN VIEW

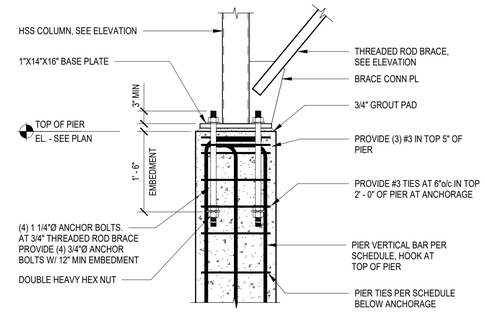
1 BRACING ANCHORAGE AT HSS BRACE ON GRID 3
3/4" = 1'-0"

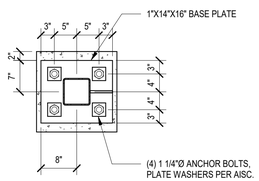




PIER AND BASE PLATE PLAN VIEW

2 BRACING ANCHORAGE AT PIER P2 ON GRID XD
3/4" = 1'-0"

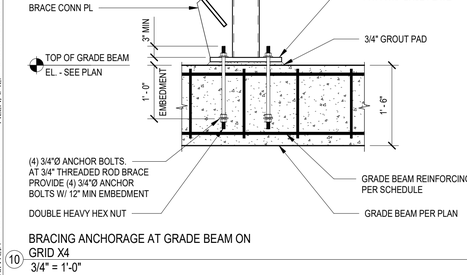


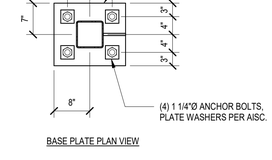


PIER AND BASE PLATE PLAN VIEW

3 BRACING ANCHORAGE AT PIER P1 ON GRID X4 & XD
3/4" = 1'-0"

NOTE: CONCRETE WALL NOT SHOWN FOR CLARITY





PIER AND BASE PLATE PLAN VIEW

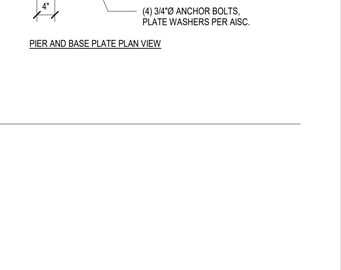
4 BRACING ANCHORAGE AT PIER P6 ON GRID 6
3/4" = 1'-0"

NOTE: CONCRETE WALL NOT SHOWN FOR CLARITY

PIER AND BASE PLATE PLAN VIEW

5 BRACING ANCHORAGE AT PIER P6 ON GRID 6
3/4" = 1'-0"

NOTE: CONCRETE WALL NOT SHOWN FOR CLARITY



PIER AND BASE PLATE PLAN VIEW

6 BRACING ANCHORAGE AT PIER ON GRID A
3/4" = 1'-0"

WALL AT COLUMN PLAN VIEW

PIER AND BASE PLATE PLAN VIEW

7 BRACING ANCHORAGE AT PIER P1 ON GRID XC
3/4" = 1'-0"

BASE PLATE PLAN VIEW

8 BRACING ANCHORAGE AT PIER P1 ON GRID XC AT CORNER
3/4" = 1'-0"

WALL AT COLUMN PLAN VIEW

PIER AND BASE PLATE PLAN VIEW

9 BRACING ANCHORAGE AT PIER P6 ON GRID 5
3/4" = 1'-0"

ISSUED FOR CONSTRUCTION
01/24/2025

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8095

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT — JULIE L. REILLY — NO. 134842 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

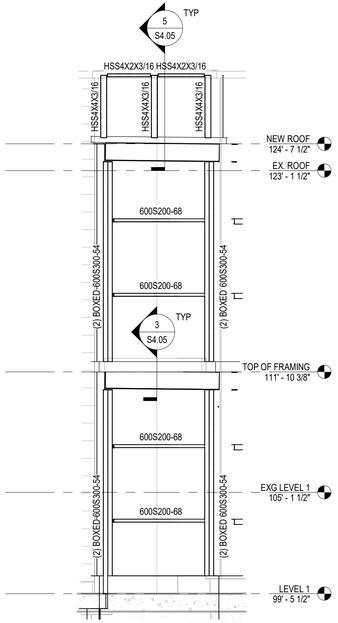
MIDDLEBURY, VERMONT

BRACING ANCHORAGE DETAILS

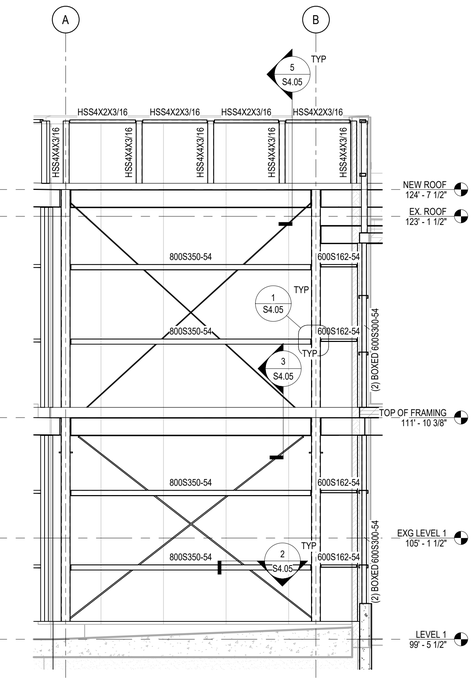
PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	3/4" = 1'-0"

S4.03

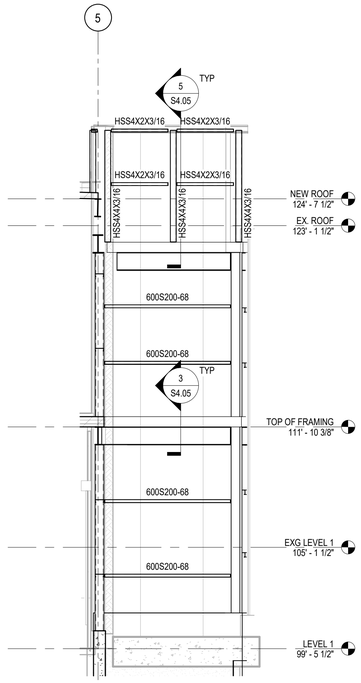
PRINTED: 1/23/2025 12:12:08 PM
FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_Juller-EV.rvt



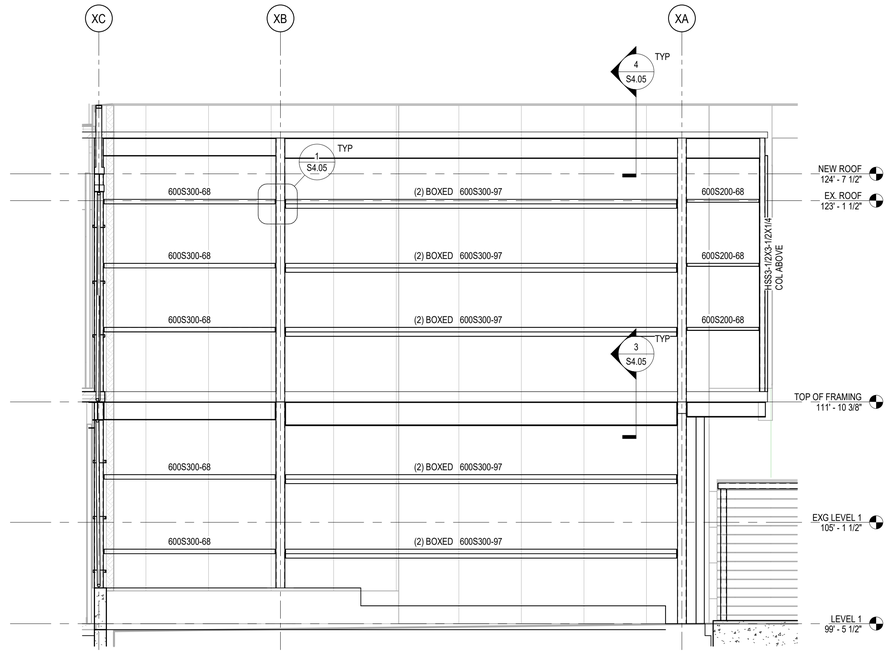
1 WIND GIRT ELEVATION
1/4" = 1'-0"



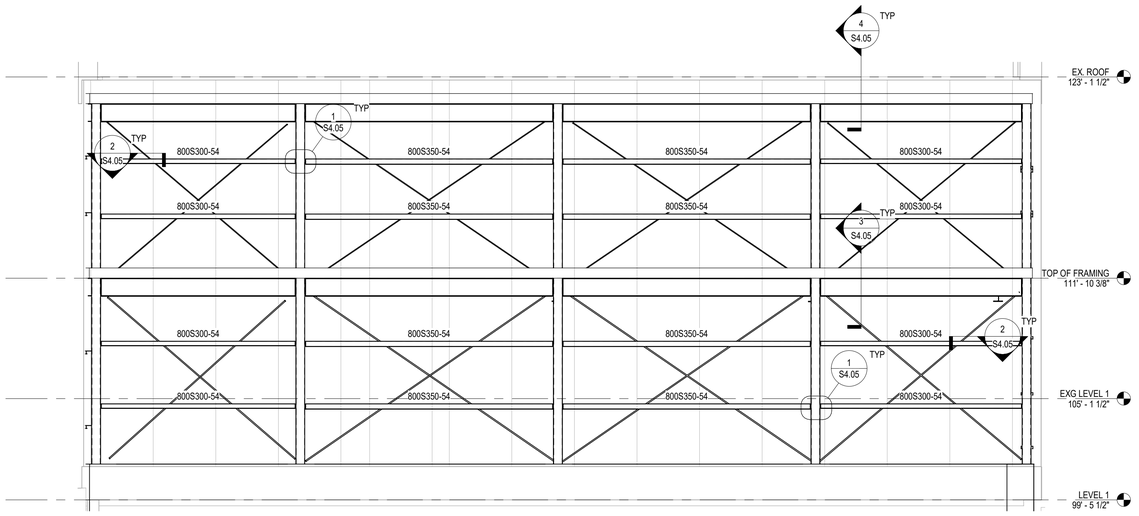
2 WIND GIRT ELEVATION
1/4" = 1'-0"



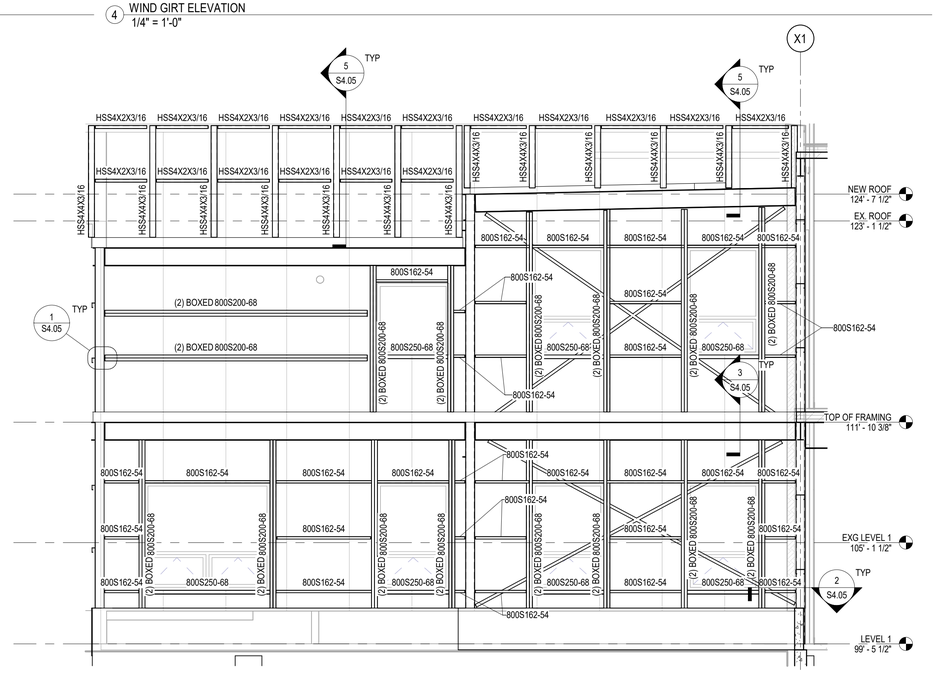
3 WIND GIRT ELEVATION
1/4" = 1'-0"



4 WIND GIRT ELEVATION
1/4" = 1'-0"



5 WIND GIRT ELEVATION
1/4" = 1'-0"



6 WIND GIRT ELEVATION
1/4" = 1'-0"

GIRT ELEVATION NOTES:

1. GIRTS TO BE SPACED AT 4'-0"o/c MAX.
2. PROVIDE GIRT BRACING AT 4'-0" o/c.
3. USE SIMPSON SSC4.25 AT ALL CF GIRT TO CF COLUMN CONNECTIONS
4. USE (2) SIMPSON SCW5.5 AT TOP OF ALL CF COLUMNS TO CONNECT TO STEEL BEAM.
5. USE (2) SIMPSON SSC4.25 AT BASE OF ALL CF COLUMNS TO CONNECT TO CLT OR STEM WALL. AT STEM WALL USE 3/8"x3 1/2" HILTI KWIK HUS OR SIMPSON TITEN HD ANCHOR.
6. FOR BOXED COLD-FORMED COLUMN SEE DETAIL 6/S4.05 .

ISSUED FOR CONSTRUCTION
01/24/2025

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
JULIE L. REILLY
NO. 134842
STRUCTURAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

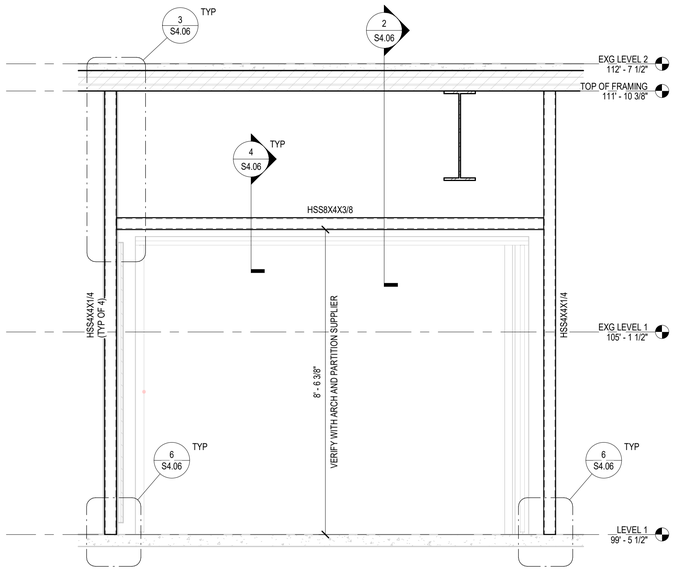
MIDDLEBURY, VERMONT

IMP GIRT ELEVATIONS

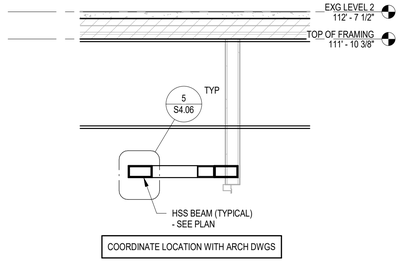
PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	As indicated

S4.04

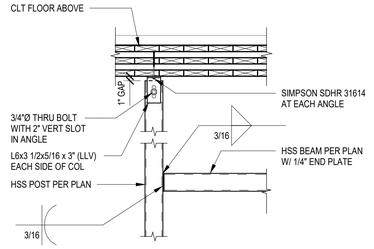
PRINTED: 1/23/2025 12:12:12 PM
FILENAME: Z:\Shortcuts\O-Revit Local Files\23152 Ilsley Public Library_central_R24_Julie-EV.rvt



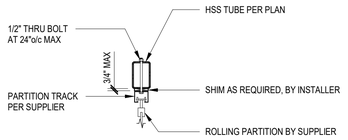
1 PARTITION FRAME ELEVATION
1/2" = 1'-0"



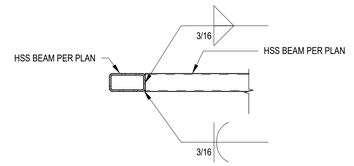
2 PARTITION SUPPORT TUBE SECTION
1/2" = 1'-0"



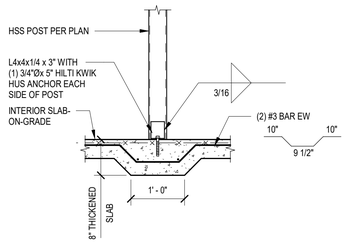
3 PARTITION STEEL SUPPORT CONNECTIONS
3/4" = 1'-0"



4 PARTITION TRACK CONNECTION DETAIL
3/4" = 1'-0"



5 HSS BEAM TO HSS BEAM CONNECTION
3/4" = 1'-0"



6 PARTITION POST BASE CONNECTION
3/4" = 1'-0"

ISSUED FOR
CONSTRUCTION
01/24/2025

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
JULIE L. REILLY
NO. 134842
STRUCTURAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

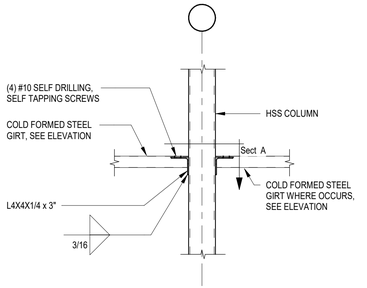
MIDDLEBURY, VERMONT

SLIDING PARTITION ELEVATION AND DETAILS

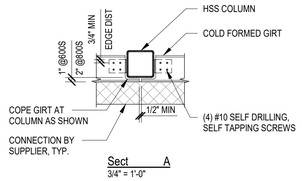
PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	As indicated

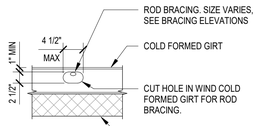
S4.06

PRINTED: 1/23/2025 12:12:14 PM
FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_Julier-EV.rvt

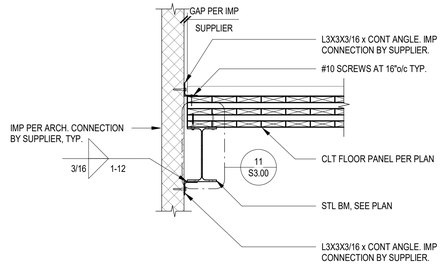


1 SECTION
3/4" = 1'-0"

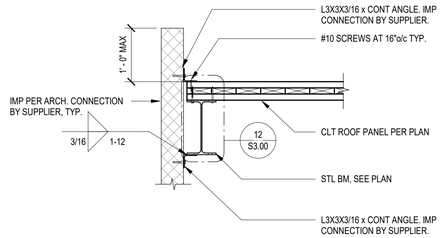




2 SECTION
3/4" = 1'-0"

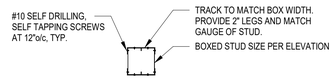


3 SECTION
3/4" = 1'-0"



4 SECTION
3/4" = 1'-0"

5 SECTION
3/4" = 1'-0"



6 SECTION
3/4" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

LIBRARY DIRECTOR
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

STATE OF VERMONT
JULIE L. REILLY
NO. 134842
STRUCTURAL
REGISTERED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

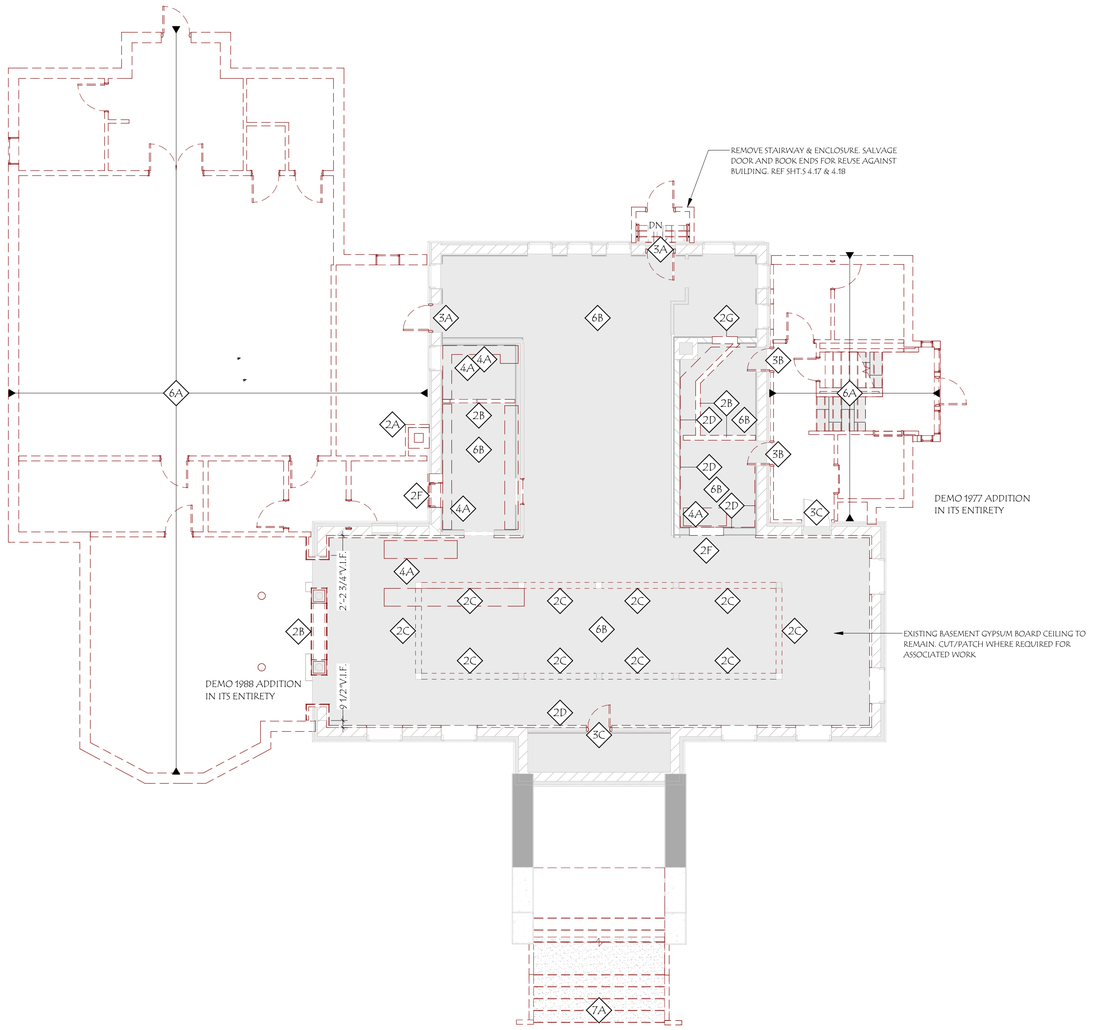
IMP GIRT DETAILS

PROJECT NO:	2023018
DATE:	JANUARY 24, 2025
CHECKED BY:	JLR
DRAWN BY:	JTM
SCALE:	3/4" = 1'-0"

ISSUED FOR CONSTRUCTION
01/24/2025

S4.05

PRINTED: 1/23/2025 12:12:13 PM FILENAME: Z:\Shortcuts\0-Revit Local Files\23152 Ilsley Public Library_central_R24_julier-EV.rvt



DEMO KEY SCHEDULE	
KEY	DESCRIPTION
2A	DEMO C.M.U. FLUE
2B	DEMO WALL, GRIND / PATCH FLOOR, PREP FOR NEW FINISH
2C	DEMO COL. ENCLOSURE/ARCHWAY, GRIND / PATCH FLOOR, PREP FOR NEW FINISH
2D	DEMO WALL FINISH
2E	DEMO RAILING
2F	DEMO WALL, SALAVAGE EXST'G MAT. PREP FOR NEW DOOR OPENING
2G	DEMO MASONRY WALL AND INSTALL STEEL LINTEL TO PROVIDE NEW 36" x 80" OPENING
2H	DEMO WALL & OPENING
2I	DEMO MASONRY WALL AND INSTALL STEEL LINTEL REF STRUCTURAL
2J	INFILL EXISTING OPENING
2K	RELOCATE EXISTING OPENING
3A	DEMO DOOR & FRAME, PATCH EXT'G FOUNDATION WALL, PREP OPENING FOR POSIBLE REUSE OF EXISTING SALVAGED WINDOW
3B	DEMO DOOR, PREP WALL OPENING TO BE FILLED, PATCH EXT'G FOUNDATION WALL
3C	REMOVE & SALVAGE DOOR – FRAME TO REMAIN
3D	REMOVE & SALVAGE WINDOW & FRAME. PREP OPENING TO RECEIVE FRR INFILL
3E	REGLAZE EXISTING WINDOW
3F	SALVAGE EXISTING WINDOW
3G	PREP OPENING TO RECEIVE FRR INFILL
4A	REMOVE WD BENCH, PATCH MOUNTING HOLES IN BLOCK WALL
4B	REMOVE CASEWORK
4C	REMOVE WALL & CASEWORK
6A	DEMO ADDITION, PREP GRADE FOR NEW CONSTRUCTION
6B	REMOVE FLOOR FINISH, PATCH/PREP FLOOR FOR NEW FINISH
7A	DEMO EXISTING CONCRETE STAIR & CENTER RAILING

- REFER TO SPRINKLER, PLUMBING, MECHANICAL & ELECTRICAL DRAWINGS FOR REQUIRED PENETRATIONS AND OPENINGS IN EXISTING WALLS & FLOORS

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANIA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

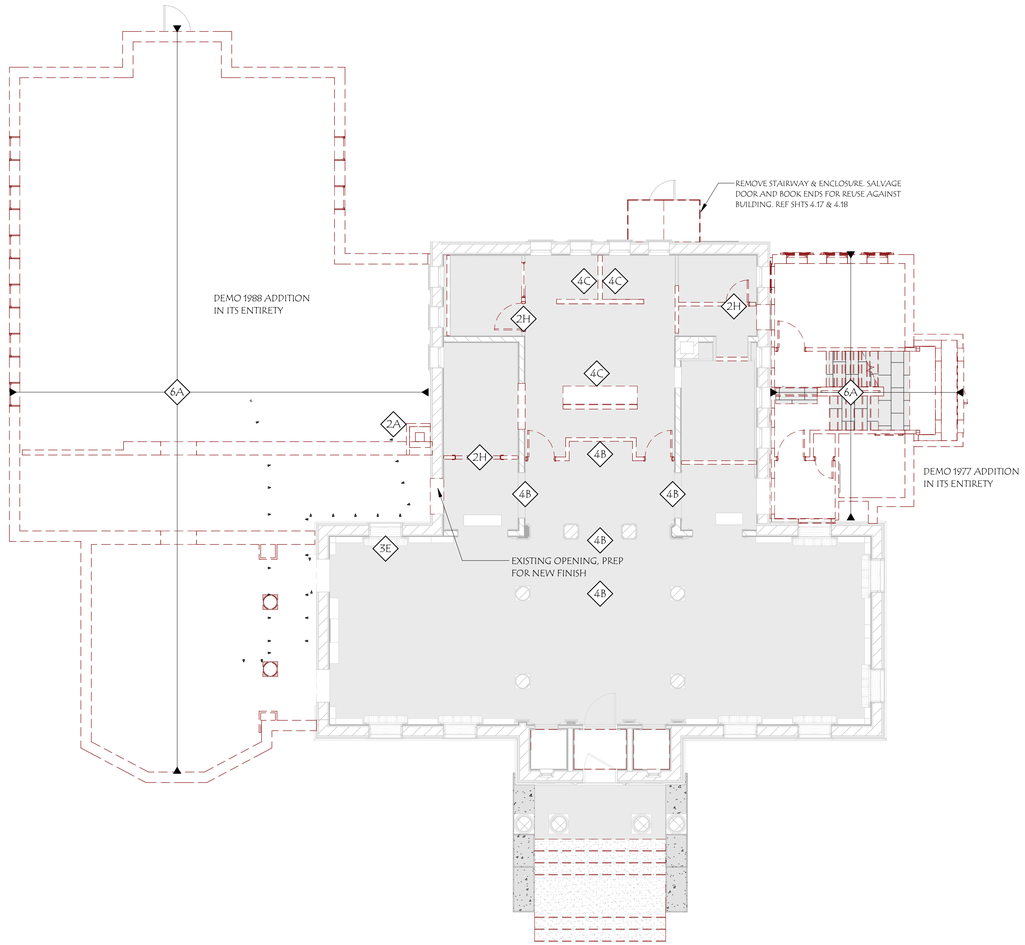
MIDDLEBURY, VERMONT

EXT'G BASEMENT DEMO PLAN

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	1/8" = 1'-0"

AD1.00

PRINTED: 1/24/2025 3:58:06 PM FILENAME: C:\Users\jbonsall\Documents\20230118_ILSLEY PUBLIC LIBRARY_R24_CD_jBARRETT222.rvt



DEMO KEY SCHEDULE	
KEY	DESCRIPTION
2A	DEMO C.M.U. FLUE
2B	DEMO WALL, GRIND / PATCH FLOOR, PREP FOR NEW FINISH
2C	DEMO COL. ENCLOSURE/ARCHWAY, GRIND / PATCH FLOOR, PREP FOR NEW FINISH
2D	DEMO WALL FINISH
2E	DEMO RAILING
2F	DEMO WALL, SALAVAGE EXST'G MAT. PREP FOR NEW DOOR OPENING
2G	DEMO MASONRY WALL AND INSTALL STEEL LINTEL TO PROVIDE NEW 36" x 80" OPENING
2H	DEMO WALL & OPENING
2I	DEMO MASONRY WALL AND INSTALL STEEL LINTEL REF STRUCTURAL
2J	INFILL EXISTING OPENING
2K	RELOCATE EXISTING OPENING
3A	DEMO DOOR & FRAME, PATCH EXT'G FOUNDATION WALL, PREP OPENING FOR POSIBLE REUSE OF EXISTING SALVAGED WINDOW
3B	DEMO DOOR, PREP WALL OPENING TO BE FILLED, PATCH EXT'G FOUNDATION WALL
3C	REMOVE & SALVAGE DOOR – FRAME TO REMAIN
3D	REMOVE & SALVAGE WINDOW & FRAME. PREP OPENING TO RECEIVE FRR INFILL
3E	REGLAZE EXISTING WINDOW
3F	SALVAGE EXISTING WINDOW
3G	PREP OPENING TO RECEIVE FRR INFILL
4A	REMOVE WD BENCH, PATCH MOUNTING HOLES IN BLOCK WALL
4B	REMOVE CASEWORK
4C	REMOVE WALL & CASEWORK
6A	DEMO ADDITION, PREP GRADE FOR NEW CONSTRUCTION
6B	REMOVE FLOOR FINISH, PATCH/PREP FLOOR FOR NEW FINISH
7A	DEMO EXISTING CONCRETE STAIR & CENTER RAILING

- REFER TO SPRINKLER, PLUMBING, MECHANICAL & ELECTRICAL DRAWINGS FOR REQUIRED PENETRATIONS AND OPENINGS IN EXISTING WALLS & FLOORS
- SALVAGE EXISTING MARBLE ASHLER VENEER WHERE REMOVED
- SALAVGE EXTERIOR TRIM FOR REUSE OR REPRODUCTION
- SALVAGE 1977 EXTERIOR MARBLE VENEER PANELS

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. WOLF
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

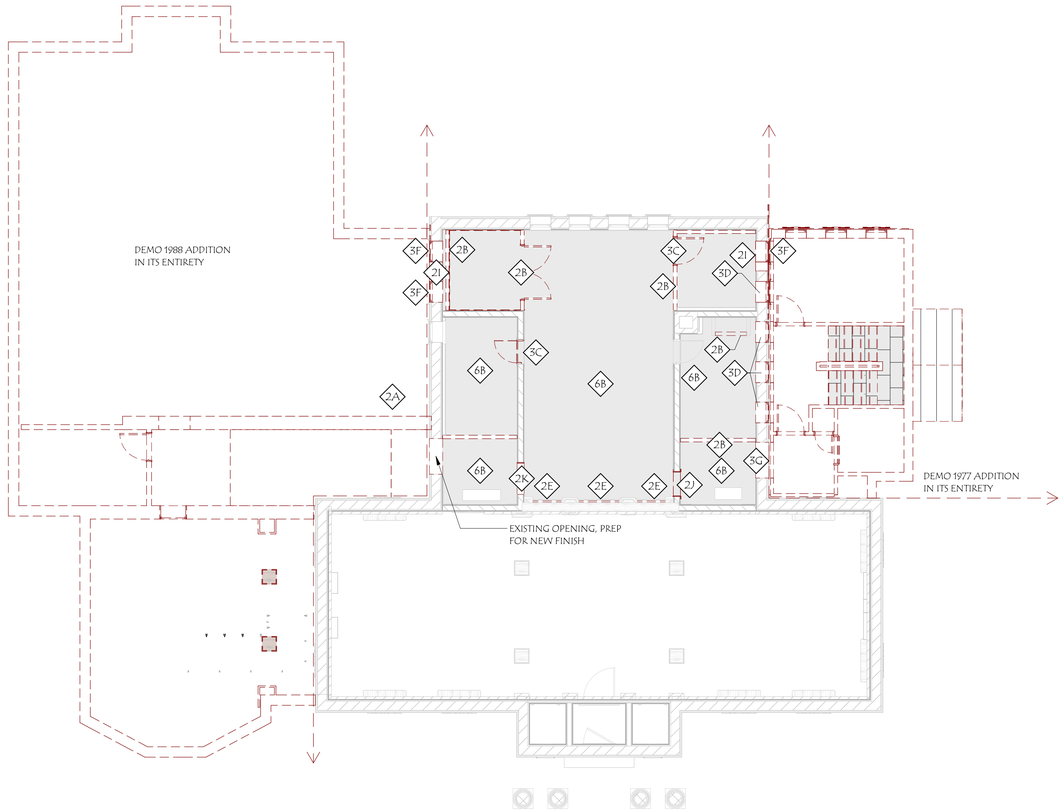
N

EXT'G LEVEL 1 DEMO PLAN

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	1/8" = 1'-0"

AD1.01

PRINTED: 1/24/2025 3:58:09 PM FILENAME: C:\Users\jlbonet\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_BARRETT222.rvt



DEMO KEY SCHEDULE	
KEY	DESCRIPTION
2A	DEMO C.M.U. FLUE
2B	DEMO WALL, GRIND / PATCH FLOOR, PREP FOR NEW FINISH
2C	DEMO COL. ENCLOSURE/ARCHWAY, GRIND / PATCH FLOOR, PREP FOR NEW FINISH
2D	DEMO WALL FINISH
2E	DEMO RAILING
2F	DEMO WALL, SALAVAGE EXST'G MAT. PREP FOR NEW DOOR OPENING
2G	DEMO MASONRY WALL AND INSTALL STEEL LINTEL TO PROVIDE NEW 36" x 80" OPENING
2H	DEMO WALL & OPENING
2I	DEMO MASONRY WALL AND INSTALL STEEL LINTEL REF STRUCTURAL
2J	INFILL EXISTING OPENING
2K	RELOCATE EXISTING OPENING
5A	DEMO DOOR & FRAME, PATCH EXT'G FOUNDATION WALL, PREP OPENING FOR POSIBLE REUSE OF EXISTING SALVAGED WINDOW
5B	DEMO DOOR, PREP WALL OPENING TO BE FILLED, PATCH EXT'G FOUNDATION WALL
5C	REMOVE & SALVAGE DOOR – FRAME TO REMAIN
5D	REMOVE & SALVAGE WINDOW & FRAME. PREP OPENING TO RECEIVE FRR INFILL
5E	REGLAZE EXISTING WINDOW
5F	SALVAGE EXISTING WINDOW
5G	PREP OPENING TO RECEIVE FRR INFILL
4A	REMOVE WD BENCH, PATCH MOUNTING HOLES IN BLOCK WALL
4B	REMOVE CASEWORK
4C	REMOVE WALL & CASEWORK
6A	DEMO ADDITION, PREP GRADE FOR NEW CONSTRUCTION
6B	REMOVE FLOOR FINISH, PATCH/PREP FLOOR FOR NEW FINISH
7A	DEMO EXISTING CONCRETE STAIR & CENTER RAILING

- REFER TO SPRINKLER, PLUMBING, MECHANICAL & ELECTRICAL DRAWINGS FOR REQUIRED PENETRATIONS AND OPENINGS IN EXISTING WALLS & FLOORS
- SALVAGE EXISTING MARBLE ASHLER VENEER WHERE REMOVED
- SALAVGE EXTERIOR TRIM FOR REUSE OR REPRODUCTION
- SALVAGE 1977 EXTERIOR MARBLE VENEER PANELS

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

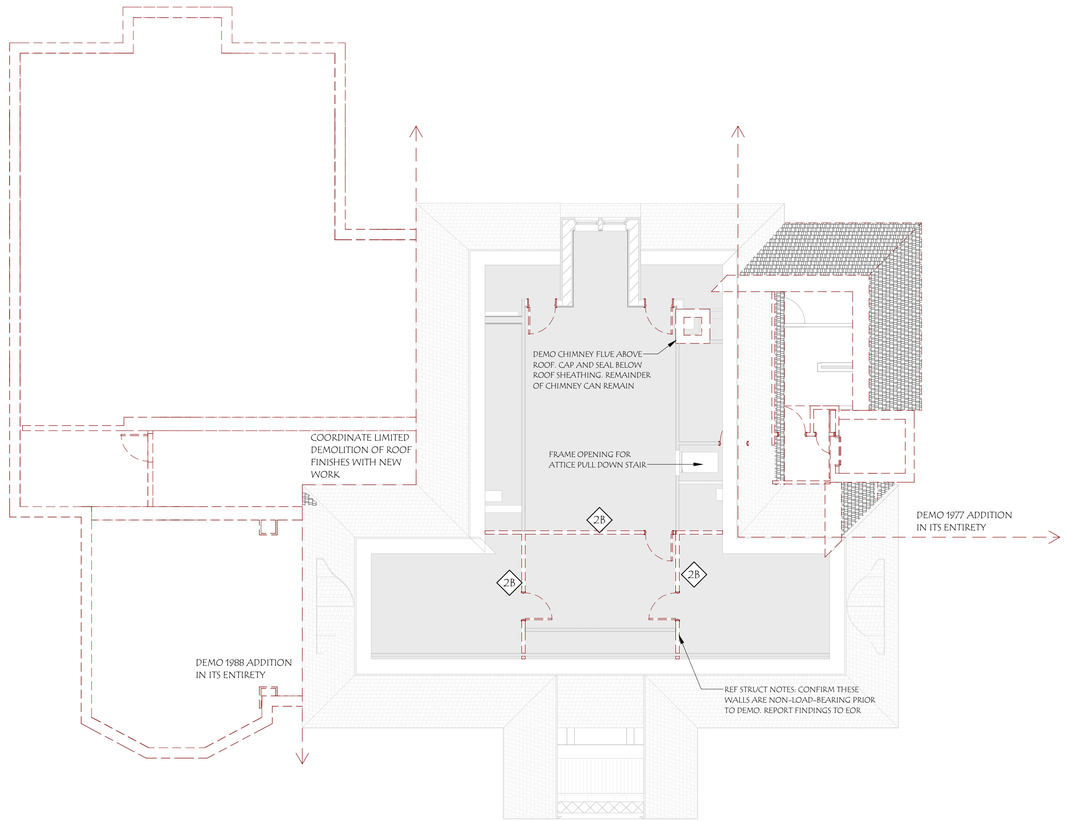
MIDDLEBURY, VERMONT

EXT'G LEVEL 2 FLOOR DEMO PLAN

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	1/8" = 1'-0"

AD1.02

PRINTED: 1/24/2025 3:58:12 PM FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_JBARNETT222.rvt



DEMO KEY SCHEDULE	
KEY	DESCRIPTION
2A	DEMO C.M.U. FLUE
2B	DEMO WALL, GRIND / PATCH FLOOR, PREP FOR NEW FINISH
2C	DEMO COL. ENCLOSURE/ARCHWAY, GRIND / PATCH FLOOR, PREP FOR NEW FINISH
2D	DEMO WALL FINISH
2E	DEMO RAILING
2F	DEMO WALL, SALAVAGE EXST'G MAT. PREP FOR NEW DOOR OPENING
2G	DEMO MASONRY WALL AND INSTALL STEEL LINTEL TO PROVIDE NEW 36" x 80" OPENING
2H	DEMO WALL & OPENING
2I	DEMO MASONRY WALL AND INSTALL STEEL LINTEL REF STRUCTURAL
2J	INFILL EXISTING OPENING
2K	RELOCATE EXISTING OPENING
3A	DEMO DOOR & FRAME, PATCH EXT'G FOUNDATION WALL, PREP OPENING FOR POSIBLE REUSE OF EXISTING SALVAGED WINDOW
3B	DEMO DOOR, PREP WALL OPENING TO BE FILLED, PATCH EXT'G FOUNDATION WALL
3C	REMOVE & SALVAGE DOOR – FRAME TO REMAIN
3D	REMOVE & SALVAGE WINDOW & FRAME. PREP OPENING TO RECEIVE FRR INFILL
3E	REGLAZE EXISTING WINDOW
3F	SALVAGE EXISTING WINDOW
3G	PREP OPENING TO RECEIVE FRR INFILL
4A	REMOVE WD BENCH, PATCH MOUNTING HOLES IN BLOCK WALL
4B	REMOVE CASEWORK
4C	REMOVE WALL & CASEWORK
6A	DEMO ADDITION, PREP GRADE FOR NEW CONSTRUCTION
6B	REMOVE FLOOR FINISH, PATCH/PREP FLOOR FOR NEW FINISH
7A	DEMO EXISTING CONCRETE STAIR & CENTER RAILING

- REFER TO SPRINKLER, PLUMBING, MECHANICAL & ELECTRICAL DRAWINGS FOR REQUIRED PENETRATIONS AND OPENINGS IN EXISTING WALLS & FLOORS
- SALVAGE EXISTING MARBLE ASHLER VENEER WHERE REMOVED
- SALAVGE EXTERIOR TRIM FOR REUSE OR REPRODUCTION
- SALVAGE 1977 EXTERIOR MARBLE VENEER PANELS
- SALVAGE SLATE ROOFING DOR REUSE

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

N

ATTIC DEMO PLAN

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	1/8" = 1'-0"

AD1.03

PRINTED: 1/24/2025 3:58:14 PM FILENAME: C:\Users\jkarnell\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_jkARRETT222.rvt

ABBREVIATIONS

ABBR	DEFINITION
A	
A/C	AIR CONDITIONING
AB	ANCHOR BOLT
ACP	ACOUSTICAL CEILING PANEL
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AIB	AIR INFILTRATION BARRIER
ALT	ALTERNATIVE
ALUM / AL	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECT; ARCHITECTURAL
AVG	AVERAGE
B	
BD	BOARD
BLDG	BUILDING
BLK	BLOCK
BM	BEAM
BM	BENCH MARK
BO	BOTTOM OF
BSMT	BASEMENT
BTM	BOTTOM
BTWN	BETWEEN
C	
CAB	CABINET
CB	CATCH BASIN
CF	CUBIC FEET
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED OWNER INSTALLED
CG	CORNER GUARD
CHALK	CHALKBOARD
CI	CONTINUOUS INSULATION
CIP	CAST IN PLACE
CJ	CONSTRUCTION JOINT / CONTROL JOINT
CL	CENTERLINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUE (CONTINUOUS)
COPT	COMMON PATH OF TRAVEL
COR	CORRIDOR
CORR	CORRUGATED
CPT	CARPET
CS	COURSE
CT	CERAMIC TILE
CTR	CENTER
CY	CUBIC YARD
D	
DBL	DOUBLE
DF	DRINKING FOUNTAIN
DIA / Ø	DIAMETER
DIM	DIMENSION
DISP	DISPENSER / DISPLAY
DIV	DIVISION
DN	DOWN
DTL	DETAIL
DWG	DRAWING
E	
E	EAST
EA	EACH
EIFS	EXTERIOR INSULATION FINISH SYSTEM
ELEC	ELECTRIC (AL)
ELEV	ELEVATOR / ELEVATION
ENC	ENCLOSURE / ENCLOSE
EP	ELECTRICAL PANEL
EQ	EQUAL / EQUIPMENT
EQUIP	EQUIPMENT
EW	EACH WAY
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
EXTG	EXISTING
F	
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FACE
FG	FIBERGLASS
FO	FINISHED OPENING
FO	FACE OF
FR	FIRE RATE (ED) / FIRE RATING
FT	FOOT
FTG	FOOTING
FURN	FURNITURE
FUT	FUTURE

ABBREVIATIONS

ABBR	DEFINITION
G	
GA	GAGE / GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GFRC	GLASS FIBER REINFORCED CONCRETE
GLAZ	GLAZING
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
H	
H	HIGH
HC	HOLLOW CORE
HDR	HEADER
HDW	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HORSE POWER
HR	HOUR
HT	HEIGHT
HT	HEAVY TIMBER
HTG	HEATING
HTR	HEATER
HVAC	HEATING, VENTILATING & AIR CONDITIONING
HW	HOT WATER
HYD	HYDRANT
I	
ID	INNER DIAMETER
IMP	INSULATED METAL PANEL
IN	INCH
INCL	INCLUDE
INSUL / INS	INSULATION
INT	INTERIOR
J	
JC	JANITORS CLOSET
JNT	JOINT
K	
KW	KILOWATT
L	
L	LONG / LENGTH
LAM	LAMINATE
LAV	LAVATORY
LB	POUND
LE	LOW-EXPANSION
LF	LINEAR FOOT
LH	LEFT HAND
LKR	LOCKER
LOC	LOCATION
M	
MAS	MASONRY
MAX	MAXIMUM
MB-"X"	MOUNTING BOARD-"X"
MECH	MECHANICAL
MEP	MECHANICAL ELECTRICAL & PLUMBING
MFR	MANUFACTURE (R) (ED)
MH	MOP HOLDER
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MRGB	MOISTURE RESISTANT GYPSUM BOARD
MTD	MOUNTED
MTL	METAL
N	
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
O	
OC	ON CENTER
OD	OUTER DIAMETER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OH	OVERHEAD
OH.DR.	OVERHEAD DOOR
OPNG	OPENING
OPP	OPPOSITE (HAND)
P	
PC	PIECE
PERF	PERFORATED
PH	PHASE / PARTIAL HEIGHT
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE

ABBREVIATIONS

ABBR	DEFINITION
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOR
PNL	PANEL
PNT	PAINT (ED)
PR	PAIR
PREFIN	PREFINISHED
PROJ	PROJECT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE PRESERVATIVE TREATED
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
PWD	PLYWOOD
Q	
QT	QUARRY TILE
R	
R	RADIUS / RISER
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFERENCE
REFR	REFRIGERATOR
REINF	REINFORCED
REQ	REQUIRED / REQUIREMENT
RES	RESILIENT
REV	REVISION / REVISE (D) / REVERSE
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RTU	ROOF TOP UNIT
S	
S	SOUTH
SAN	SANITARY
SC	SOLID CORE
SCH	SCHEDULE (D)
SECT	SECTION
SF	SQUARE FOOT
SHT	SHEET
SIM	SIMILAR
SPEC	SPECIFICATION
SPF	SPRAY FOAM
SQ	SQUARE
SS	STAINLESS STEEL
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STL	STEEL
STO	STORAGE
STRUCT	STRUCTURAL / STRUCTURE
SUSP	SUSPENSION
SY	SQUARE YARD
SYM	SYMMETRICAL
SYN	SYNTHETIC
T	
T	TREAD
T&G	TONGUE AND GROOVE
TEL	TELEPHONE
TEMP	TEMPORARY
TERM	TERMINATE
THRU	THROUGH
TLT	TOILET
TO	TOP OF
TOC	TOP OF CURB / CONCRETE
TOW	TOP OF WALL
TV	TELEVISION
TYP	TYPICAL
U	
UG	UNDERGROUND
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
US	URINAL SCREEN
V	
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
VR	VAPOR RETARDER
W	
W	WEST
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WRAB	WEATHER RESISTANT AIR BARRIER
WRB	WEATHER RESISTANT BARRIER
WT	WEIGHT
Y	
YD	YARD

GENERAL NOTES:

1. DIMENSIONS
   A. DIMENSIONS ON PLANS ARE FROM FACE OF STUDS OR CENTER LINE OF COLUMNS, TYPICALLY, UNLESS OTHERWISE NOTED. FOR EXISTING WALLS OR OPENINGS, DIMENSIONS ARE TO FACE OF FINISH.
   B. DOOR AND CASED OPENINGS WITHOUT LOCATION DIMENSIONS OR DETAILS ARE TO BE CENTERED BETWEEN ADJACENT WALLS. DOORS ADJACENT TO ONE WALL BUT NOT DIMENSIONED ARE TO BE LOCATED WITH DOOR OPENING 4" FROM FACE OF ADJACENT WALL FINISH.
   C. VERIFY ALL DIMENSIONS AND CONDITIONS. NOTIFY ARCHITECT FOR CLARIFICATION OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK.
2. ALL WORK SHALL CONFORM TO APPLICABLE SAFETY AND BUILDING CODES, LABOR LAWS, AND ORDINANCES.
3. DO NOT SCALE DRAWINGS:
   A. THE CONTRACTOR SHALL USE DIMENSIONS SHOWN ON THE DRAWINGS AND ACTUAL FIELD MEASUREMENTS. NOTIFY THE ARCHITECT FOR CLARIFICATION IF ANY DISCREPANCIES ARE FOUND.
4. ABBREVIATIONS:
   A. COMMON-USE ABBREVIATIONS ARE USED THROUGHOUT THE DRAWINGS. THE ABBREVIATIONS LIST IS NOT INTENDED TO BE COMPLETE OR REPRESENT CONDITIONS OR MATERIALS USED IN THE PROJECT. REQUEST ARCHITECT CLARIFICATION FOR ANY ABBREVIATIONS IN QUESTION.
5. THE DRAWINGS AND SPECIFICATIONS:
   A. PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK WITH THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF THEIR WORK. ANY DISCREPANCY BETWEEN THE ARCHITECTURAL AND THE CONSULTING ENGINEER(S) DRAWINGS SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION BY WRITTEN REQUEST FOR CLARIFICATION. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
6. COORDINATIONS:
   A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATIONS AND THE COORDINATION OF THE WORK TO ASSURE COMPLIANCE WITH THE DRAWINGS AND SPECIFICATIONS, AND THE ACCURATE LOCATION OF STRUCTURAL MEMBERS AND OPENINGS FOR MECHANICAL.
   B. THE CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF ALL OPENINGS FOR EQUIPMENT WITH MECHANICAL AND ELECTRICAL SUBCONTRACTOR(S) BEFORE PROCEEDING WITH THE WORK.
   C. THE CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF ALL EQUIPMENT PADS AND BASES AS WELL AS POWER AND WATER OR DRAIN INSTALLATION WITH EQUIPMENT MANUFACTURERS BEFORE PROCEEDING WITH THE WORK.
7. FINISHED FLOOR ELEVATION IS TOP OF CONCRETE SLAB OR SUB-FLOOR.
8. WHEN CONTENT EXISTS IN MULTIPLE LOCATIONS, THE VIEW WITH THE LARGEST SCALE SUPERCEDES ALL VIEWS OF A SMALLER SCALE.

ARCHITECTURAL LEGEND

- PLYWOOD
- BLOWN-IN INSULATION (DENSE) PRODUCT: SEE SPECIFICATIONS
- BLOWN-IN INSULATION (LOOSE) PRODUCT: SEE SPECIFICATIONS
- BATT INSULATION PRODUCT: SEE SPECIFICATIONS
- ABOVE GRADE BOARD INSULATION PRODUCT: SEE SPECIFICATIONS
- BELOW GRADE BOARD INSULATION PRODUCT: SEE SPECIFICATIONS
- ROOF INSULATION PRODUCT: SEE SPECIFICATIONS
- SPRAY FOAM PRODUCT: SEE SPECIFICATIONS
- UNDISTURBED OR COMPACTED SOIL
- CONCRETE
- BRICK
- CONCRETE MASONRY UNIT
- MILLWORK
- GYPSUM CEILING BOARD
- GYPSUM WALL BOARD
- GRAVEL
- EAVE PROTECTION MEMBRANE

AIR CONTROL LAYERS LEGEND

- WEATHER RESISTANT BARRIER (WRB)
- VARIABLE VAPOR RETARDER (VVR)
- ROOF VAPOR BARRIER (RVB)
- UNDERSLAB VAPOR BARRIER (UVB)
- WATERPROOFING MEMBRANE (WPM)
- CEILING VAPOR BARRIER (CVB)
- FLEXIBLE FLASHING WEATHER BARRIER (FFWB)

MISC. ARCHITECTURAL SYMBOLS

- CENTER LINE
- DEMOLITION NOTE — 1
- WALL TYPE TAG — 50 (0'-0")
- WINDOW TYPE TAG — A
- ROOM NAME/NUMBER — OFFICE 101
- DOOR NUMBER TAG — 101

BUILDING ELEVATION IDENTIFICATION

1 — DETAIL NUMBER
A2.00 — SHEET NUMBER

DETAIL IDENTIFICATION

1 — DETAIL NUMBER
A1.00 — SHEET NUMBER

BUILDING SECTION IDENTIFICATION

1 — SECTION NUMBER — 1
A3.01 — SHEET NUMBER — A3.01

INT. ELEVATION IDENTIFICATION

1 — DETAIL NUMBER
A4.10 — SHEET NUMBER

WALL SECTION IDENTIFICATION

1 — SECTION NUMBER
A3.10 — SHEET NUMBER

EXISTING BUILDING GENERAL NOTES:

1. DIMENSIONS
   A. VERIFY ALL DIMENSIONS AND CONDITIONS. NOTIFY ARCHITECT FOR CLARIFICATION OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK.
2. CONTRACTOR TO FIELD VERIFY EXISTING ROOF PITCH(ES) MATCH THOSE INDICATED WITHIN DRAWING SET.
3. COORDINATE AND ALIGN NEW WALL FINISHES WHERE ABUTTING EXISTING CONDITIONS UNLESS OTHERWISE NOTED.
4. ALL WORK SHALL CONFORM TO APPLICABLE SAFETY AND BUILDING CODES, LABOR LAWS, AND ORDINANCES.
5. DO NOT SCALE DRAWINGS:
   A. THE CONTRACTOR SHALL USE DIMENSIONS SHOWN ON THE DRAWINGS AND ACTUAL FIELD MEASUREMENTS. NOTIFY THE ARCHITECT FOR CLARIFICATION IF ANY DISCREPANCIES ARE FOUND.
6. ABBREVIATIONS:
   A. COMMON-USE ABBREVIATIONS ARE USED THROUGHOUT THE DRAWINGS. THE ABBREVIATIONS LIST IS NOT INTENDED TO BE COMPLETE OR REPRESENT CONDITIONS OR MATERIALS USED IN THE PROJECT. REQUEST ARCHITECT CLARIFICATION FOR ANY ABBREVIATIONS IN QUESTION.
7. THE DRAWINGS AND SPECIFICATIONS:
   A. PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS ARE SUPPLEMENTARY TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK WITH THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF THEIR WORK. ANY DISCREPANCY BETWEEN THE ARCHITECTURAL AND THE CONSULTING ENGINEER(S) DRAWINGS SHALL BE BROUGHT TO THE ARCHITECTS ATTENTION BY WRITTEN REQUEST FOR CLARIFICATION. ANY WORK INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY THE CONTRACTOR AT HIS OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
8. COORDINATIONS:
   A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATIONS AND THE COORDINATION OF THE WORK TO ASSURE COMPLIANCE WITH THE DRAWINGS AND SPECIFICATIONS, AND THE ACCURATE LOCATION OF STRUCTURAL MEMBERS AND OPENINGS FOR MECHANICAL.
   B. THE CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF ALL OPENINGS FOR EQUIPMENT WITH MECHANICAL AND ELECTRICAL SUBCONTRACTOR(S) BEFORE PROCEEDING WITH THE WORK.
   C. THE CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF ALL EQUIPMENT PADS AND BASES AS WELL AS POWER AND WATER OR DRAIN INSTALLATION WITH EQUIPMENT MANUFACTURERS BEFORE PROCEEDING WITH THE WORK.
9. PARTITIONS SHALL BE FULL HEIGHT ASSEMBLY TO FLOOR OR ROOF DECK ABOVE, UNLESS NOTED OTHERWISE.
10. FINISHED FLOOR ELEVATION IS TOP OF CONCRETE SLAB OR SUB-FLOOR.
11. WHEN CONTENT EXISTS IN MULTIPLE LOCATIONS, THE VIEW WITH THE LARGEST SCALE SUPERCEDES ALL VIEWS OF A SMALLER SCALE.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT — STEVEN M. ROY — NO. 3020 — STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

GENERAL NOTES

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	WLA
SCALE:	As indicated

A0.01

PRINTED: 1/24/2025 3:58:17 PM FILENAME: C:\Users\jbonnell\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_BARRETT222.rvt

NOTE: THIS CODE REVIEW IS PROVIDED AS A GENERAL SUMMARY OF SOME OF THE MORE IMPORTANT REGULATIONS APPLICABLE TO THIS PROJECT. NOT ALL APPLICABLE CODES ARE IDENTIFIED AND NOT ALL APPLICABLE CODE REQUIREMENTS ARE LISTED.

GENERAL PROJECT INFORMATION:

PROJECT NAME: ILSLEY PUBLIC LIBRARY PROJECT LOCATION: MIDDLEBURY, VERMONT

PROJECT SUMMARY: THE ORIGINAL LIBRARY WAS CONSTRUCTED IN 1923. THIS PROJECT CONSISTS OF THE DEMOLITION OF 1977 & 1988 ADDITIONS, & THE NEW CONSTRUCTION OF A 28,330 SF TOTAL (FOOTPRINT 13,815 SF), TWO-STORY LIBRARY. SPACES IN THE EXISTING LIBRARY WILL BE RECONFIGURED. THE NEW BUILDING USES INCLUDE STACKS, READING ROOMS, MEETING ROOMS, A VIDEO PRODUCTION STUDIO, OFFICES, & STORAGE.

PROJECT OVERVIEW:

☑ SPRINKLER ☑ FIRE ALARM ☑ ELEVATOR

PROJECT TYPE:

☑ NEW CONSTRUCTION ☑ EXISTING BUILDING: NFPA CHAPTER 43 CATEGORIES:
- ☐ REPAIR
- ☑ ADDITION
- ☐ RENOVATION
- ☐ CHANGE OF USE
- ☐ MODIFICATION
- ☑ RECONSTRUCTION

APPLICABLE CODES & REGULATIONS:[1,2]

- VERMONT FIRE & BUILDING SAFETY CODE, 2015 EDITION
  - INTERNATIONAL BUILDING CODE, 2015 EDITION [5] (IBC)
  - INTERNATIONAL EXISTING BUILDING CODE, 2015 EDITION [5] (IBC)
  - INTERNATIONAL MECHANICAL CODE, 2015 EDITION [2,3] (IMC)
  - NFPA 101 LIFE SAFETY CODE, 2015 EDITION[5] (NFPA 101)
  - NFPA 1 FIRE CODE, 2015 EDITION[5] (NFPA 1)
- VERMONT PLUMBING RULES, 2021 EDITION
  - INTERNATIONAL PLUMBING CODE, 2021 EDITION [2,5] (IPC)
- VERMONT ELECTRICAL SAFETY RULES, 2020 EDITION
  - NFPA 70 NATIONAL ELECTRICAL CODE[2,4] (NFPA 70 / NEC)
- VERMONT COMMERCIAL BUILDING ENERGY STANDARDS, 2024 EDITION (CBES)
- AMERICANS WITH DISABILITIES ACT, DESIGN GUIDELINES, 2010 EDITION (ADA)
- VERMONT ACCESS RULES, 2012 EDITION (VTACCESS)
- TOWN OF MIDDLEBURY ZONING & SUBDIVISION REGULATIONS, 2022 (MZR)

1. NOT A COMPLETE LIST OF APPLICABLE CODES. OTHER FEDERAL, STATE, & LOCAL CODES MAY APPLY. ADDITIONAL CODES MAY BE INCORPORATED BY REFERENCE FROM THE LISTED CODES.
2. SEE STRUCTURAL, ELECTRICAL, MECHANICAL, PLUMBING, & FIRE PROTECTION DRAWINGS FOR ADDITIONAL CODE REQUIREMENTS.
3. AS AMENDED BY VERMONT FIRE & BUILDING SAFETY CODE
4. AS AMENDED BY VERMONT ELECTRICAL SAFETY RULES, 2020 EDITION
5. AS AMENDED BY VERMONT PLUMBING RULES, 2021 EDITION

OCCUPANCY:[1,2]

☐ SINGLE OCCUPANCY

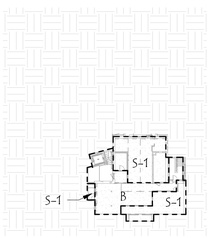
IBC OCCUPANCY CLASSIFICATION
- ☑ "MIXED OCCUPANCY"
  - ☑ "NONSEPARATED" OCCUPANCIES
  - ☐ "SEPARATED" OCCUPANCIES

NFPA101 OCCUPANCY CLASSIFICATION
- ☑ "MULTIPLE OCCUPANCY"
  - ☑ "MIXED OCCUPANCIES"
  - ☐ "SEPARATED OCCUPANCIES"

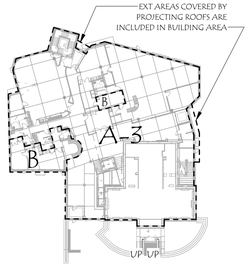
IBC OCCUPANCY CATEGORIES: MIXED OCCUPANCY, NON-SEPARATED
- Assembly Group A-3: Libraries, Community Halls (IBC 303.4)
- Storage Group S-1: Moderate Hazard Storage (IBC 311.2)
- Business Group B: Offices (IBC 304.1)

NFPA 101 OCCUPANCY CATEGORIES: MULTIPLE OCCUPANCT, MIXED
- Assembly Occupancy: Libraries (NFPA 101: 6.1.2.1)
- Storage Occupancy: Ordinary Hazard Contents (NFPA 101: 6.1.13
- Business Occupancy: Offices (NFPA 101: 6.1.11.1)

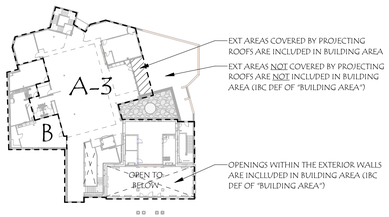
1. FOR PURPOSES OF ALLOWABLE BUILDING HEIGHTS & AREAS, SEE SEE "OCCUPANCY" DIAGRAMS, BELOW.
2. FOR PURPOSES OF OCCUPANT LOAD CALCULATION, SEE "USE" DIAGRAMS ON SHEET A0.11
3. OCCUPANCY DIAGRAM NOTES:
   A. DASHED LINES INDICATE OCCUPANCY BOUNDARIES
   B. DASHED LINES DO NOT NECESSARILY CORRELATE WITH FIRE RATED WALLS OR OCCUPANCY SEPARATIONS
   C. REF EGRESS DIAGRAMS ON SHEET A0.11 FOR USE CATEGORIES & OCC LOADS



BASEMENT
OCCUPANCY DIAGRAM (IBC)



LEVEL 1
OCCUPANCY DIAGRAM (IBC)



LEVEL 2
OCCUPANCY DIAGRAM (IBC)

TYPE OF CONSTRUCTION:

TYPE OF CONSTRUCTION (PER IBC TABLE 601 & 602)	Primary Structural Frame	Bearing Walls EXTERIOR	Bearing Walls INTERIOR	Non-bearing Walls EXTERIOR (IBC TABLE 602)	Non-bearing Walls INTERIOR	Floor Constr & Secondary members	Roof Constr & Secondary members
TYP 5B (IBC) V(000) (NFPA)	0 hr	0 hr (FSD applies)	0 hr	FSD < 5; 1 hr 5 ≤ FSD ≤ 10; 1 hr 10 ≤ FSD; 0 hr	0 hr	0 hr	0 hr [2,3]

1. FSD = "Fire Separation Distance". Ref Code Diagrams
2. Main roof trusses/beams if connected to columns are considered "PRIMARY STRUCTURAL FRAME" rather than "ROOF CONSTRUCTION".
3. Heavy Timber (HT) is allowed where 1-hr or less FR rating is required (Note C, IBC TABLE 601).

BUILDING HEIGHTS & AREAS:

BUILDING HEIGHTS & AREAS								
OCCUPANCY	TYPE OF CONSTR.	SPRINKLER	LOCAL ZONING HEIGHT LIMIT	HEIGHT (PER IBC TABLES 504.3 & 504.4)		BUILDING AREA [3] (PER IBC TABLE 506.2)			
				ALLOWABLE (IBC)[1]	PROPOSED [4,5]	ALLOWABLE (per story)[1]	PROPOSED SF Basement	Level 1	Level 2
A-3 ASSEMBLY	5B	YES	70'; 6 stories	**60'; 2 stories**	28', 2 stories	**18,000 sf**	–	12,690	9,840
B BUSINESS	5B	YES	70'; 6 stories	60'; 3 stories	28', 2 stories	27,000 sf	1,450	1,125	1,490
S-1 STORAGE	5B	YES	70'; 6 stories	60'; 2 stories	28', 2 stories	27,000 sf	1,735	–	–
							3,185	13,815	11,330
							TOTAL: 28,330 sf		

NOTES.
1. FOR IBC PURPOSES, BUILDING IS MULTIPLE OCCUPANCY, NON-SEPARATED. FOR NFPA PURPOSES, BUILDING IS MULTIPLE OCCUPANCY, MIXED. OVERALL ALLOWABLE BUILDING HEIGHT & AREA BASED ON MOST RESTRICTIVE ALLOWANCE FOR THE OCC GROUPS UNDER CONSIDERATION (IBC 508.3.2). MOST RESTRICTIVE SHOWN IN BOLD.
2. PER IBC 506.2.4 EACH STORY OF A MIXED-OCCUPANCY, MULTISTORY BLDG SHALL INDIVIDUALLY COMPLY W/ 508.1. SEE NOTE 1 FOR ALLOWABLE HEIGHT AND AREA AT NON-SEPARATED OCCUPANCIES.
3. BUILDING AREA INCLUDES AREAS WITHOUT SURROUNDING WALLS THAT ARE INCLUDED WITHIN THE HORIZONTAL PROJECTION OF THE ROOF OR FLOOR ABOVE.
4. GRADE PLANE = 99'-6". AVERAGE HEIGHT OF HEIGHEST ROOF SURFACE = 127'-6". BLDG HEIGHT = 127'-6"-99'-6" = 28'.
5. PER IERC AN ADDITION TO A BUILDING SHALL COMPLY WITH THE IRC FOR NEW CONSTRUCTION WITHOUT REQUIRING THE EXISTING BUILDING TO COMPLY WITH ANY REQUIREMENTS OF THOSE CODES. (IERC 1101.1) AN ADDITION SHALL NOT INCREASE THE HEIGHT OF AN EXISTING BUILDING BEYOND THAT PERMITTTED UNDER THE IBC FOR NEW BUILDINGS (IERC 1102.1).

SEPARATIONS:

- NO SEPARATION REQUIRED BETWEEN MIXED OCCUPANCIES (NFPA 101:6.1.14.2.2). THE BUILDING SHALL COMPLY WITH THE MOST RESTRICTIVE REQS OF THE OCCUPANCIES INVOLVED (NFPA 101:6.1.14.3.2)
- 1-HR FRR REQ @ EXIT ACCESS CORRIDORS SERVING MORE THAN 30 OCCUPANTS (NFPA 101:7.1.3.1) BUT PER NFPA 101:12.3.6(2), RATING FOR INTERIOR CORRIDORS IS NOT REQUIRED FOR SPRINKLERED BUILDINGS.
- 1-HR FRR REQ @ EXITS CONNECTING 3 OR FEWER STORIES (NFPA 101:7.1.3.2.(1))
- 1-HR FRR REQ @ STRUCTURAL ELEMENTS SUPPORTING EXIT COMPONENTS (NFPA 101:7.1.3.2(6))
- 1-HR FRR REQ @ SHAFTS THAT CONNECT FEWER THAN 4 STORIES (NFPA 101: 8.6.5(2))
- NO FRR REQ @ ELEV MACHINE RMS THAT DO NOT ABUT ELEV SHAFTS, IN BUILDINGS < 4 STORIES (IBC 3005.4)
- INCIDENTAL USE SEPARATIONS / PROTECTION FROM HAZARDS (IBC TABLE 509 & NFPA 12.3.2.1):
  - 1-HR FRR (OR SPRINKLERED) FURNACE RMS W/ EQPT OVER 400K BTU (IBC TABLE 509) OR OVER 200K BTU (NFPA101: 12.3.1.2(1-a-i))
  - 1-HR FRR (OR SPRINKLERED) BOILER RMS W/ EQPT > 15 PSI & 10 HP (IBC TABLE 509)
  - 1-HR FRR (OR SPRINKLERED) AT STORAGE ROOMS WITH COMBUSTIBLE MATERIALS IN QUANTITIES DEEMED HAZARDOUS BY AHJ (NFPA101: 12.5.2.1.2(1-b))

FIRE & SMOKE PROTECTION FEATURES:

- SUPERVISED AUTOMATIC SPRINKLER SYSTEM (NFPA 13) REQ THROUGHOUT BUILDING CONTAINING AGGREGATE ASSEMBLY OCCUPANT LOAD > 300 (NFPA101:12.3.5.2). CODE ANALYSIS & DESIGN OF SPRINKLER SYSTEM IS BY OTHERS.
- EXTERIOR PROJECTIONS GREATER THAN 4'-0" REQUIRE SPRINKLER PROTECTION (NFPA 15: 8.15.7.1)
- FIRE ALARM SYSTEM REQUIRED (NFPA 101: 12.3.4.1.1) FOR ASSEMBLY OCC LOAD > 300. INITIATION PER NFPA101: 12.3.4.2.1
- EXTERNAL AUDIBLE FIRE ALARM CONNECTED TO SPRINKLER REQUIRED (IBC 903.4.2)
- FIRE DEPARTMENT CONNECTION REQUIRED (NFPA 13: 8.17.2.1)
- PORTABLE FIRE EXTINGUISHERS REQUIRED WITHIN 75' TRAVEL DISTANCEOF ALL AREAS (NFPA 101: 9.9 AS AMENDED BY VT, REFERENCING NFPA 1: 13.6. SEE ALSO NFPA 1: TABLE 13.6.1.2 & NFPA 10) AHJ TO APPROVE FINAL PLACEMENT OF EXTINGUISHERS.
- EMERGENCY LIGHTING & EGRESS ILLUMINATION REQUIRED (NFPA 101: 7.8.1, 7.9, & 12.2.9) REFER TO ELECTRICAL DRAWINGS FOR CODE ANALYSIS & DESIGN.
- COOKING EQPT SHALL BE PROTECTED, UNLESS USED ONLY FOR FOOD WARMING (NFPA101: 12.3.2.2 & 9.2.3.1 MODIFIED BY VT) SEE NFPA 96 FOR REQS.
- NFPA 285 DOES NOT APPLY TO EXT WALLS W/ COMBUSTIBLE WRB IN TYPE V CONSTRUCTION (IBC 1403.5)
- NFPA 285 DOES NOT APPLY TO EXT WALLS WITHOUT COMBUSTIBLE PLASTIC FOAM INSULATION (IBC 2603.1 & 2603.5.5)
- CONCEALED SPACES BEHIND COMBUSTIBLE EXT WALL COVERINGS SHALL BE < 100 SF & MAX INTERVALS OF 20' (IBC 718.2.6)

INTERIOR FINISHES: REF NFPA 101: TABLE A10.2.2

OCCUPANCY:	EXITS	EXIT ACCESS CORRIDORS	OTHER SPACES
ASSEMBLY, NEW: > 300 OCC LOAD	**A(or B); I or II**	**A or B(or C); I or II**	**A or B (or C); (floor: N/A)**
BUSINESS	A or B(or C); I or II		A or B or C; (floor: N/A)
STORAGE	A or B(or C); I or II		A or B or C; (floor: N/A)

- NFPA 101 10.2.8: IF BLDG. IS SPRINKLED, CLASS C ALLOWED WHERE CLASS B IS REQUIRED. CLASS B ALLOWED WHERE CLASS A IS REQUIRED. TYPE II IS ALLOWED WHERE TYPE I IS REQUIRED
- IN MULTIPLE OCCUPANCY, MIXED: **STRICTEST REQUIREMENTS GOVERN.**
- A,B,& C DENOTE INTERIOR WALL & CEILING FINISH RATING REQ PER ASTM E84/UL 723
- I & II DENOTE INTERIOR FLOOR FINISH RATING REQ PER NFPA 253

SIGNAGE:

- FULL CODE ANALYSIS AND DESIGN OF SIGNAGE IS BY OTHERS.
- SEE REQUIREMENTS FOR FIRE BARRIER WALL PERMANENT CONCEALED MARKING ON SHEET A0.11.
- A SIGN INDICATING MAX OCCUPANT LOAD OF ASSEMBLY ROOMS SHALL BE POSTED NEAR THE EXIT OF THOSE ROOMS (NFPA 101:12.7.9.3)
- PROVIDE SIGNAGE FOR ACCESSIBLE MEANS OF EGRESS AREA OF REFUGE & 2-WAY COMM SYSTEM INSTRUCTIONS PER NFPA101 ;7.2.12.3.5.1
- ILLUMINATED EGRESS SIGNAGE REQUIRED (NFPA 101: 7.10) REFER TO ELECTRICAL DRAWINGS FOR CODE ANALYSIS & DESGIN.

MEANS OF EGRESS: GENERAL REQUIREMENTS

- MIN CORRIDOR WIDTH SERVING 50 OR MORE OCCUPANTS = 44" (NFPA 101:12.2.3.8)
- MINIMUM HEIGHT IN MEANS OF EGRESS SHALL BE 7'-6" AFF & 6'-8" STAIR HEADROOM (NFPA 101: 7.1.5.1 & 7.1.5.3)
- MAX STAIR HEIGHT BETWEEN LANDINGS: 12' (NFPA 101: 7.2.2.2.1.1(b))
- MAX RISER HEIGHT: 7" / MIN TREAD DEPTH: 11" (NFPA 101: TABLE 7.2.2.2.1.1(a))
- MIN STAIR WIDTH 44" (NFPA 7.2.2.2.1.2). MIN STAIR WIDTH SHALL ALSO BE BASED ON REQUIRED EGRESS CAPACITY BASED ON OCC LOAD. REF "OCC LOADING" SECTION, BELOW, & CODE DIAGRAMS, SHEET A0.11)
- CONTINUOUS 34"-38" HIGH HANDRAIL REQ EACH SIDE OF STAIRWAYS (NFPA 101: 7.2.2.4.1.1 & 7.2.2.4.5.1)
- HANDRAILS SHALL CONTINUE HORIZ 12" ABOVE TOP RISER & CONTINUE TO SLOPE FOR THE DEPTH OF 1 TREAD BEYOND BOTTOM RISER (NFPA 101:7.2.2.4.5.1c)
- 42" HIGH GUARDS W/ MAX 21" OPNG REQ ALONG ALL WALKING SURFACES > 30" ABOVE ADJACENT GRADE (NFPA 101: 7.2.2.4.6.2 & 7.2.2.4.6.2(2))
- DOORS MAY SWING AGAINST DIRECTION OF EGRESS TRAVEL WHERE OCC LOAD < 50 (NFPA 101: 7.2.1.4.2)
- DOORS IN MEANS OF EGRESS SERVING AN OCCUPANT LOAD > 100 SHALL HAVE PANIC OR FIRE EXIT HARDWARE (NFPA 101:12.2.2.2.3)
- HORIZONTALLY SLIDING DOORS IN MEANS OF EGRESS ARE PERMITTED ACCORDING TO NFPA 101:7.2.1.4.1(4b) & 7.2.1.14. SUCH DOORS SHALL HAVE "BREAKAWAWAY" EGRESS FUNCTION PER THOSE SECTIONS.
- ACCESSIBLE MEANS OF EGRESS SHALL COMPLY W/ NFPA 101:3.3.22 & 7.5.4 & 7.2.12.1.1
  - 2 ACCESSIBLE MEANS OF EGRESS SHALL BE PROVIDED FROM ALL AREAS ACCESSIBLE TO PEOPLE W/ SEVERE MOBILITY IMPAIRMENT (NFPA 101:7.5.4.1). ACCORDING TO THE DEFINITION IN NFPA101: 3.3.172.1 AN ACCESSIBLE MEANS OF EGRESS IS ONE THAT PROVIDES AN ACCESSIBLE ROUTE TO AN AREA OF REFUGE.
  - AREA OF REFUGE: A SPRINKLERED STORY IN A BUILDING WITH THE FOLLOWING CHARACTERISTICS:
    - ELEVATOR LANDINGS W/ 2-WAY COMM SYSTEM (NFPA 101:7.2.12.1.1). PROVIDE SIGNAGE.
    - PROVIDE AT LEAST 2 ACCESSIBLE ROOMS OR SPACES SEPARATED BY SMOKE-RESISTING PARTITIONS.

MEANS OF EGRESS: OCCUPANT LOADING

1. THE OCCUPANT LOAD CATEGORIES REFER TO THE ACTUAL USE OF THE SPACE, NOT TO THE "OCCUPANCY" TYPE. THE USE OF AN AREA CAN DIFFER FROM ITS OCCUPANCY CLASSIFICATION. SEE ALSO CODE DIAGRAMS, SHEET A0.11
2. FOR V(000) TYPE CONSTRUCTION, ASSEMBLY OCC LOAD OF 1000 OR LESS ALLOWED ON FIRST STORY. ASSEMBLY OCC OF 300 OR LESS ALLOWED ON SECOND STORY.
3. "OLF" = OCCUPANT LOAD FACTOR

	MEANS OF EGRESS OCCUPANT LOADING (NFPA USE CATEGORIES PER TABLE 7.3.1.2)	PLUMBING FIXTURE OCCUPANT LOADING (IBC CATEGORIES PER TABLE 1004.1.2)
BASEMENT.		
BUSINESS:		
◦ FRIENDS OF LIB WORK AREA (1398 sf)	14 PEOPLE (BUSINESS OLF = 100)	14 PEOPLE (B; 100 OLF)
STORAGE:		
◦ STORAGE (1,601 sf Aggregate)	4 PEOPLE (STORAGE OLF = 500)	6 PEOPLE (S; 300 OLF)
BASEMENT TOTAL OCC LOAD:	18 PEOPLE	20 PEOPLE
LEVEL 1:		
BUSINESS:		
◦ OFFICES, HALLS (6,179 sf)	62 PEOPLE (BUSINESS OLF = 100)	62 PEOPLE (B; 100 OLF)
ASSEMBLY:		
◦ READING ROOMS (2054 sf)	42 PEOPLE (READING RM OLF = 50)	42 PEOPLE (A; 50 OLF)
◦ LIBRARY STACKS (1778 sf)	18 PEOPLE (LIBRARY STACKS OLF = 100)	18 PEOPLE (A; 100 OLF)
◦ COMMUNITY ROOM (1450 sf)	97 PEOPLE (ASSEMBLY OLF = 15)	97 PEOPLE (A; 15 OLF)
◦ GATHERING SPACES (1115 sf Aggregate)	74 PEOPLE (ASSEMBLY OLF = 15)	74 PEOPLE (A; 15 OLF)
STORAGE:		
◦ STORAGE (589 sf Aggregate)	2 PEOPLE (STORAGE OLF = 500)	2 PEOPLE (S; 300 OLF)
LEVEL 1 TOTAL OCC LOAD:	295 PEOPLE	295 PEOPLE
LEVEL 2:		
BUSINESS		
◦ BUSINESS (2,407 sf Aggregate)	25 PEOPLE (BUSINESS OLF = 100)	25 PEOPLE (B; 100 OLF)
ASSEMBLY		
◦ READING ROOM(S) (1,175 sf)	24 PEOPLE (READING ROOM OLF = 50)	24 PEOPLE (A; 50 OLF)
◦ LIBRARY STACKS (4,146 sf)	42 PEOPLE (LIBRARY STACKS OLF = 100)	42 PEOPLE (A; 100 OLF)
◦ OUTDOOR TERRACE (1,723 sf)	115 PEOPLE (ASSEMBLY OLF = 15)	115 PEOPLE (A; 15 OLF)
◦ GATHERING SPACES (931 sf Aggregate)	63 PEOPLE (ASSEMBLY OLF = 15)	65 PEOPLE (A; 15 OLF)
STORAGE		
◦ STORAGE (271 sf / 500)	1 PERSON (STORAGE OLF = 500)	1 PEOPLE (S; 300 OLF)
LEVEL 2 TOTAL OCC LOAD:	270 PEOPLE	270 PEOPLE
BUILDING TOTAL OCC LOAD:	583 PEOPLE (EGRESS)	585 PEOPLE (PLUMBING)

MEANS OF EGRESS: NUMBER, CAPACITY, ARRANGEMENT

NUMBER & CAPACITY:

REQUIREMENTS:
- NUMBER OF MEANS OF EGRESS: 2 REQ FROM EACH STORY, ROOM, OR MEZZ (NFPA 101: 7.4.1.1)
- SINGLE EXIT ALLOWED FOR B OCCUPANCY WITH LESS THAN 100 PEOPLE WHERE THE TOTAL TRAVEL DISTANCE, INCLUDING TRAVEL WITHIN THE EXIT, DOES NOT EXCEED 100 FT (NFPA101:38.2.4.3)
- SINGLE MEANS OF EGRESS ALLOWED FROM S OCCUPANCY WITH ORDINARY HAZARD WHERE EXIT CAN BE REACHED WITHIN THE DISTANCE PERMITTED AS A COMMON PATH OF TRAVEL (NFPA101: 42.2.4.1(2)
- SINGLE EXIT ALLOWED FROM MECH ATTIC STORIES (NFPA 101: 7.12.2)
- EVERY ASSEMBLY OCCUPANCY SHALL BE PROVIDED WITH A "MAIN ENTRANCE/EXIT" SIZED TO ACCOMODATE 1/2 THE TOTAL OCCUPANT LOAD (NFPA 101:12.2.3.6)

AS PROPOSED:

NUMBER & CAPACITY OF MEANS OF EGRESS: BASEMENT, EXISTING BUILDING:
EXIT 1: 46" STAIR / .3 = 153 PEOPLE
TOTAL EGRESS CAPACITY: 153 PEOPLE > OCCUPANT LOAD (11 PEOPLE)

NUMBER & CAPACITY OF MEANS OF EGRESS: BASEMENT, NEW CONSTRUCTION:
EXIT 1: 46" STAIR / .3 = 153 PEOPLE
TOTAL EGRESS CAPACITY: 153 PEOPLE > OCCUPANT LOAD (2 PEOPLE)

NUMBER & CAPACITY OF MEANS OF EGRESS: LEVEL 1:
EXIT 1: 36" DOOR (33" CLR) / .2 = 165 PEOPLE
EXIT 2: 36" DOOR (33" CLR) / .2 = 165 PEOPLE
EXIT 3: SLIDING DOOR (33" CLR BREAKAWAY PANEL) / .2 = 165 PEOPLE
EXIT 4: 36" DOOR (33" CLR) / .2 = 165 PEOPLE
EXIT 5: 36" DOOR (33" CLR) / .2 = 165 PEOPLE
TOTAL EGRESS CAPACITY: 825 PEOPLE > OCCUPANT LOAD (296 PEOPLE)

NUMBER & CAPACITY OF MEANS OF EGRESS: LEVEL 2:
EXIT 1: 52" STAIRS / .3 = 173 PEOPLE
EXIT 2: 46" STAIRS / .3 = 153 PEOPLE
TOTAL EGRESS CAPACITY: 326 PEOPLE = OCCUPANT LOAD (245 PEOPLE)

NUMBER & CAPACITY OF MEANS OF EGRESS: MECH ATTIC.
EXIT 1: TBD
TOTAL EGRESS CAPACITY: TBD PEOPLE > LOAD xxx

ARRANGEMENT:

REQUIREMENTS:
- EXIT SEPARATION DISTANCE: MIN SEPARATION BETWEEN EXITS & EXIT ACCESS DOORWAYS SHALL BE 1/3 OF THE OVERALL DIAGONAL DIMENSION OF AREA SERVED IN SPRINKLERED BLDG (NFPA 101: 7.5.1.3.3)
- DISCHARGE THROUGH INTERIOR BUILDING AREAS ALLOWED FOR 50% OF EXITS PER (NFPA101: 7.7.2)
- SEE TRAVEL DISTANCES TABLE, BELOW

AS PROPOSED:
- SEE CODE DIAGRAMS ON SHEET A0.11
- SEE TRAVEL DISTANCES TABLE, BELOW

TRAVEL DISTANCE TO EXITS, COMMON PATH OF TRAVEL, & DEAD ENDS

OCCUPANCY	MAX TRAVEL[1]	CPOT[1]	DEAD END[1]
REQUIREMENTS:			
ASSEMBLY (SPRINKLERED)	250' (12.2.6.2.(11)	20' / 75' (12.2.5.1.2)[2]	20' (12.2.5.1.3)
BUSINESS (SPRINKLERED)	300' (38.2.6.3)	100' (38.2.5.3.1)	50' (38.2.5.2.1)
STORAGE (SPRINKLERED)	400' (42.2.6)	100' (42.2.5)	100' (42.2.5)
PROPOSED	**xx'**	**xx' / xx'**	**xx'**

1. STRICTEST REQ APPLIES IN MULTIPLE OCCUPANCY, MIXED BUILDING. ASSEMBLY VALUES THEREFORE APPLY.
2. CPOT FROM ASSEMBLY PERMITTED FOR THE FIRST 20' FROM ANY POINT WHERE THE COMMON PATH SERVES ANY NUMBER OF OCCUPANTS, AND FOR THE FIRST 75' FT FROM ANY POINT WHERE THE COMMON PATH SERVES NOT MORE THAN 50 OCCUPANTS.

ACCESSIBILITY:

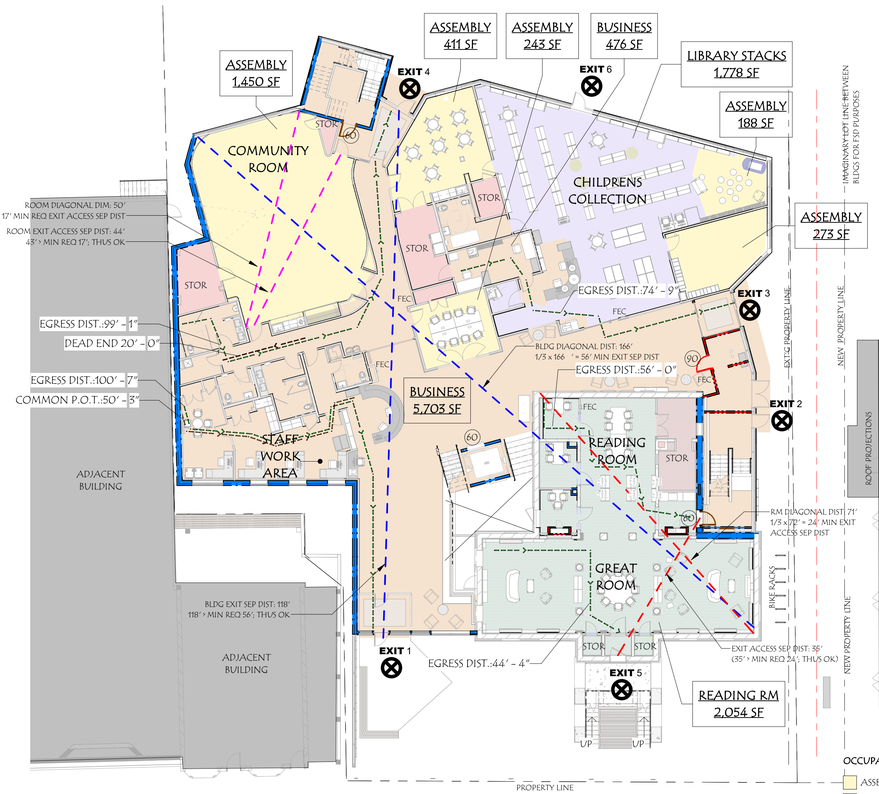
- ALL AREAS SHALL COMPLY W/ ADA & VT ACCESS RULES REQUIREMENTS.
- ACCESSIBLE MEANS OF EGRESS: SEE "MEANS OF EGRESS: GENERAL" SECTION, THIS SHEET.
- WHERE MULTIPLE SINGLE-USER TOILET ROOMS ARE CLUSTERED IN A SINGLE LOCATION, 50% SHALL COMPLY W/ ADA SECTION 603 REQS (ADA 213.2). WHERE TOILET COMPARTMENTS ARE PROVIDED, AT LEAST ONE SHALL COMPLY W/ SECTION 604.8.1 ADA REQS AND ONE SHALL COMPLY W/ SECTION 604.8.2 AMBULATORY REQS (ADA 213.3.1)
- PROVIDE 1 ADA PARKING SPACES FOR PARKING FACILITIES WITH BETWEEN 1 AND 250 TOTAL SPACES. PROVIDE 5 ADA PARKING SPACES FOR PARKING FACILITIES WITH BETWEEN 51 AND 75 TOTAL SPACES. (ADA TABLE 208.2)
- 1 OF EVERY 6 ACCESSIBLE PARKING SPACES SHALL BE A VAN ACCESSIBLE SPACE. (ADA 208.2.4)
- CAR SPACES SHALL BE MIN 96" WIDE. VAN SPACES SHALL BE MIN 132" WIDE, EXCEPT VAN SPACES MAY BE 96" WIDE WHEN ADJOINING AN ACCESS AISLE THAT IS 96" WIDE. (ADA 502.2)
- ACCESSIBLE PARKING SPACES SHALL BE PROVIDED W/ ACCESS AISLES MIN 60" WIDE (ADA 502.3)
- PROVIDE ACCESSIBLE ROUTE FROM ADA PARKING SPACES & PUBLIC SIDEWALKS TO AN ADA ENTRANCE (ADA 206.2)
- AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ALL ACCESSIBLE SPACES WITHIN THE BUILDING (ADA 206.2.4)
- BUILDING ENTRANCES & DOORS ON ACCESSIBLE ROUTES SHALL COMPLY WITH ADA DOOR REQS, INCLUDING MANEUVERING CLEARANCES (ADA 404)
- LIMITED ACCESS SPACES SHALL NOT BE REQUIRED TO BE ACCESSIBLE OR ON ACCESSIBLE ROUTES (ADA 203)
- EMPLOYEE WORK AREAS (ADA 203.9) SHALL BE ON ACCESSIBLE ROUTES (ADA206.2.8), SHALL HAVE AN ACCESSIBLE MEANS OF EGRESS (ADA 207.1). OTHER ADA REQS DO NOT APPLY TO EMPLOYEE WORK AREAS.
- KITCHENETTES (IN EMPLOYEE ONLY) BREAKROOMS ARE COMMON USE SPACES. NOT "EMPLOYEE WORK AREAS" AND ARE REQUIRED TO BE FULLY ACCESSIBLE.
- DRINKING FOUNTAINS: DUAL HEIGHT UNITS SHALL BE PROVIDED AT ALL LOCATIONS (ADA 211.2)

ENERGY CODE:

- ADDITIONAL MEP ENERGY CODE ANALYSIS & DESIGN IS BY CONSULTING ENGINEERS.
- PROJECT LOCATED IN MIDDLEBURY, VT: CLIMATE ZONE 6A (CBES C301.1)
- INTERIOR DESIGN CONDITIONS: MAX 72 F (HEATING) & MIN 75 F (COOLING) CBES C302.1)
- SEE TABLES C402.1(1) AND C402.5 (EXCERPT BELOW) FOR MIN R-VALUES / MIN U-FACTORS FOR OPAQUE ASSEMBLIES AND FENESTRATION.
- CONTINUOUS AIR BARRIER SHALL BE PROVIDED THROUGHOUT THE THERMAL ENVELOPE (CBES C402.4.1) ALL JOINTS, SEAMS, & SEALS IN THE AIR BARRIER SHALL BE SEALED, CAULKED, OR GASKETED AS APPROPRIATE. ALL BUILDING ELEMENTS SHALL BE INSTALLED PER MFGR'S INSTRUCTIONS & ACCORDING TO THE INSTRUCTIONS IN TABLE CBES C402.4.1.2.1
- FENESTRATION ASSEMBLIES SHALL HAVE MAX AIR LEAKAGE RATES AS INDICATED IN TABLE CBES C402.4.1.5 (SEE EXCERPT BELOW)
- THE BUILDING SHALL BE TESTED FOR AIR LEAKAGE PER ASTM E779 AT A PRESSURE DIFFERENTIAL OF 75 Pa. MAX ALLOWABLE AIR LEAKAGE RATE SHALL BE 0.30 cfm/ft2. (CBES C402.4.1.1)
- THIRD PARTY COMMISSIONING OF THE AIR BARRIER SHALL BE REQUIRED DURING CONSTRUCTION. A FINAL COMMISSIONING REPORT SHALL BE DELIVERED TO THE BUILDING OWNER PRIOR TO FINAL INSPECTION. (CBES C402.4.1.2)
- VESTIBULES REQ AT ENTRANCES TO SPACES > 3000 SF (CBES C402.4.5).
- MAX VERTICAL FENESTRATION AREA = 30% OF ABOVE GRADE WALL AREA. (CBES C402.5.1). INCREASE TO 40% ALLOWED WHEN 50% OF NET FLOOR AREA IS IN DAYLIGHT ZONE, DAYLIGHT RESPONSIVE CONTROLS ARE INSTALLED, & VT IS NOT LESS THAN 1 TIMES SHGC.
- SKYLIGHTS NOT REQUIRED PER CBES 402.5.2: CEILINGS < 15' & SPACE IS NOT ONE OF THE SPECIFIED TYPES LISTED.
- DOORS & ACCESS OPENINGS TO BE GASKETED, WEATHER-STRIPPED, OR SEALED
- DAMPERS REQUIRED ON ALL INTAKE DUCTS, EXHAUST OPENINGS, ETC (CBES 402.2.5)
- ENERGY CREDIT REQUIREMENTS: WEIGHTED BY OCCUPANCY TYPE; ALL OTHER, 36 CREDITS x 78% = 28.1; BUSINESS, 30 CREDITS x 15% = 4.5; STORAGE, 65 CREDITS x 7% = 4.55. TOTAL ENERGY CREDIT REQUIREMENT = **38 CREDITS** (CBES C406.1.1)
- ADDITIONAL RENEWABLE & LOAD MANAGEMENT CREDIT REQUIREMENTS: WEIGHTED BY OCCUPANCY TYPE; ALL OTHER, 17 CREDITS x 78% = 13.3; BUSINESS, 24 CREDITS x 15% = 3.6; STORAGE, 20 CREDITS x 7% = 1.4. TOTAL RENEWABLE & LOAD MANAGEMENT CREDIT REQUIREMENT = **18 CREDITS** (CBES C406.1.2)

CBES THERMAL REQUIREMENT CHART - 2024 CBES

KEY NAME	THERMAL REQUIREMENT	THERMAL PROPOSED
FOUNDATION WALLS	SEE SLAB-ON-GRADE	SEE SLAB-ON-GRADE
SLAB ON GRADE (UNHEATED)	MIN R-20 FOR 48", MAX F-0.434	R-20 c.i. FDN WALL INSUL
WALLS (BELOW GRADE)	MIN R-20ci / MAX C-0.048	NA
WALLS (MASS)	MIN R-25ci / MAX U-0.057	NA
WALLS (MTL BUILDING)	IN R-13 + R-18.8 c.i.	R-13 cavity + R-18.9 c.i.
WALLS (WOOD FRAMED)	MIN R-13 + R-16ci; or R-19 + R-12ci; or R-25ci / MAX U-0.036	R-21 cavity + R-13.1 c.i.
ROOFS (ATTIC AND OTHER)	MIN R-60 / MAX U-0.017	NA
ROOFS (INSUL ABOVE DECK)	MIN R-45ci (Average) / MAX U-0.022; MIN R-12 at low points	Varies: U-0.022 MAX
WINDOWS & DOORS: DOORS – SWINGING ENTRANCE – OPAQUE	MAX U-0.37	U-0.37
DOORS – SWINGING ENT



EXITS: GROUND LEVEL

EXIT 1:
DOOR WIDTH: 48" (46" CLR)
DOOR EGRESS CAPACITY = 230 PEOPLE

EXIT 2:
DOOR WIDTH: 36" (33" CLR)
DOOR EGRESS CAPACITY = 165 PEOPLE
STAIR WIDTH: 52"
STAIR EGRESS CAPACITY = 173 PEOPLE

EXIT 3:
DOOR WIDTH: 36" (36" CLR)
DOOR EGRESS CAPACITY = 180 PEOPLE

EXIT 4:
DOOR WIDTH: 36" (33" CLR)
DOOR EGRESS CAPACITY = 165 PEOPLE

EXIT 5:
DOOR WIDTH: 42" (40" CLR)
DOOR EGRESS CAPACITY = 200 PEOPLE

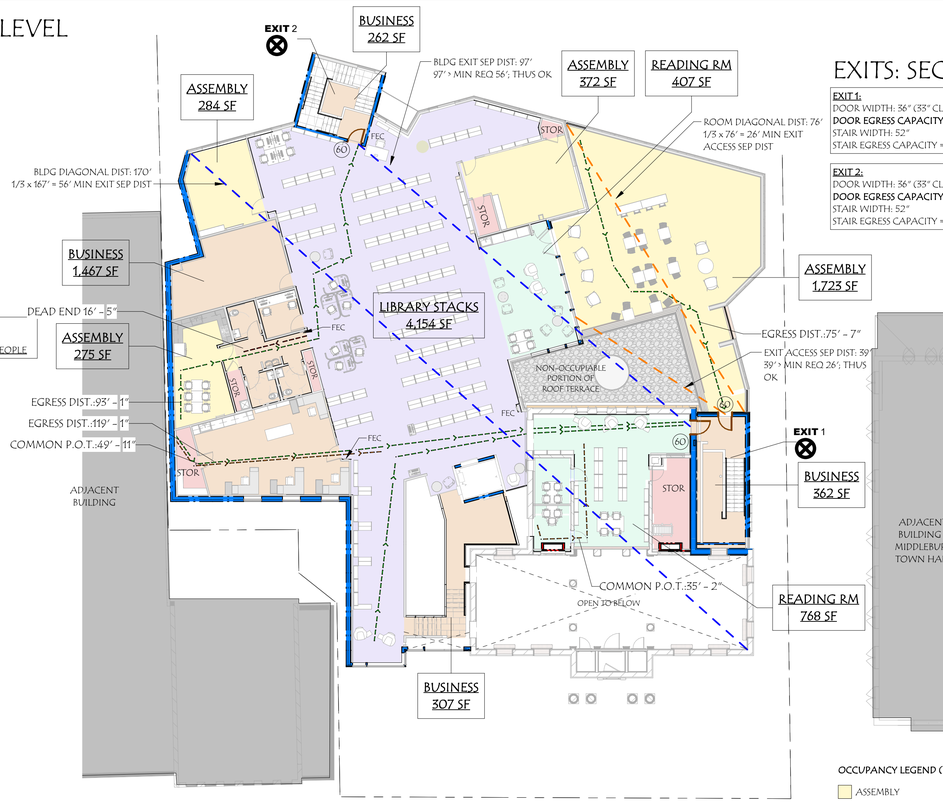
EXIT 6:
DOOR WIDTH: 36" (33" CLR)
DOOR EGRESS CAPACITY = 165 PEOPLE

TOTAL EGRESS CAPACITY: GROUND LEVEL
1,105 PEOPLE

OCCUPANCY LEGEND (NFPA)
- ASSEMBLY
- BUSINESS
- LIBRARY STACKS
- READING RM
- STORAGE

2 OCCUPANCY DIAGRAM – LEVEL 1
A0.11 1/16" = 1'-0"

LEVEL 1 TOTAL OCCUPANT LOAD: 295 PEOPLE
(See "MEANS OF EGRESS: OCCUPANCY LOADING" on sheet A0.10)
LEVEL 1 TOTAL EGRESS CAPACITY: 940 PEOPLE
(See "EXITS: GROUND LEVEL", above, for egress capacity calculations for this level)



EXITS: SECOND FLOOR

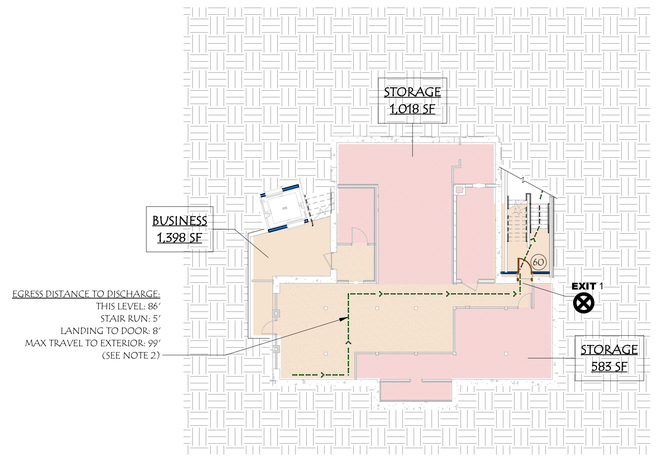
EXIT 1:
DOOR WIDTH: 36" (33" CLR)
DOOR EGRESS CAPACITY = 165 PEOPLE
STAIR WIDTH: 52"
STAIR EGRESS CAPACITY = 173 PEOPLE

EXIT 2:
DOOR WIDTH: 36" (33" CLR)
DOOR EGRESS CAPACITY = 165 PEOPLE
STAIR WIDTH: 52"
STAIR EGRESS CAPACITY = 173 PEOPLE

OCCUPANCY LEGEND (NFPA)
- ASSEMBLY
- BUSINESS
- LIBRARY STACKS
- READING RM
- STORAGE

3 OCCUPANCY DIAGRAM – LEVEL 2
A0.11 1/16" = 1'-0"

LEVEL 2 TOTAL OCCUPANT LOAD: 268 PEOPLE
(SEE "MEANS OF EGRESS: OCCUPANCY LOADING" ON SHEET A0.10)
LEVEL 2 TOTAL EGRESS CAPACITY: 330 PEOPLE
(See "EXITS: GROUND LEVEL", above, for egress capacity calculations for this level)



EXITS: BASEMENT

EXIT 1:
DOOR WIDTH: 36" (33" CLR)
DOOR EGRESS CAPACITY = 165 PEOPLE
STAIR WIDTH: 52"
STAIR EGRESS CAPACITY = 173 PEOPLE

NOTES
1. SINGLE EXIT ALLOWED FOR NON-SEPARATED BUSINESS AND STORAGE OCCUPANCIES (SEE ITEM 2 BELOW). MORE RESTRICTIVE ASSEMBLY OCCUPANCY REQUIREMENT DOES NOT APPLY BECAUSE NO ASSEMBLY OCCUPANCY EXISTS IN BASEMENT, AND NO ASSEMBLY OCCUPANTS ARE REQUIRED TO TRAVERSE BASEMENT SPACES FOR EGRESS. (REF NFPA101.6.1.14.3.2 AND COMMENTARY IN ANNEX)
2. SINGLE EXIT ALLOWED FROM BUSINES OCCUPANCY WITH LESS THAN 100 OCCUPANTS WHERE TOTAL TRAVEL DISTANCE INCLUDING TRAVEL WITHIN EXIT IS LESS THAN 100 FT (NFPA101:38.2.4.3). SINGLE MEANS OF EGRESS ALLOWED IN ORDINARY HAZARD STORAGE OCCUPANCY PROVIDED THE EXIT CAN BE REACHED WITHIN THE DISTANCE ALLOWED FOR COMMON PATH OF TRAVEL (NFPA101:42.2.4.1(2)).

BASEMENT TOTAL OCCUPANT LOAD: 15 PEOPLE
(See "MEANS OF EGRESS: OCCUPANCY LOADING" on sheet A0.10)
LEVEL 1 TOTAL EGRESS CAPACITY: 165 PEOPLE
(See "EXITS: BASEMENT", above, for egress capacity calculations for this level)

OCCUPANCY LEGEND (NFPA)
- BUSINESS
- STORAGE

1 OCCUPANCY DIAGRAM – BASEMENT
A0.11 1/16" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

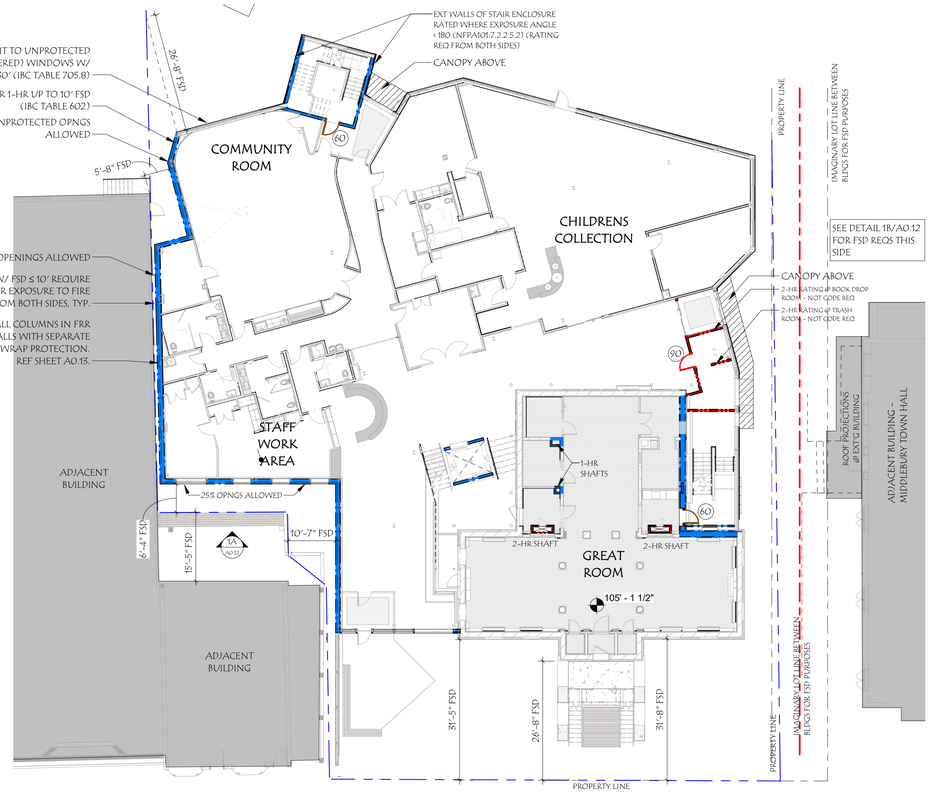
N

OCCUPANCY & EGRESS DIAGRAMS

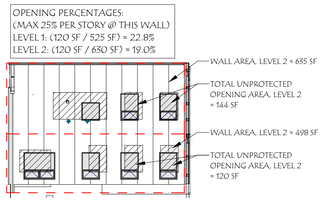
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	DW
SCALE:	1/16" = 1'-0"

A0.11

PRINTED: 1/24/2025 3:58:46 PM FILENAME: C:\Users\jbarnett\Documents\20230118_ILSLEY PUBLIC LIBRARY_4924_CD_JBARNETT223.rvt



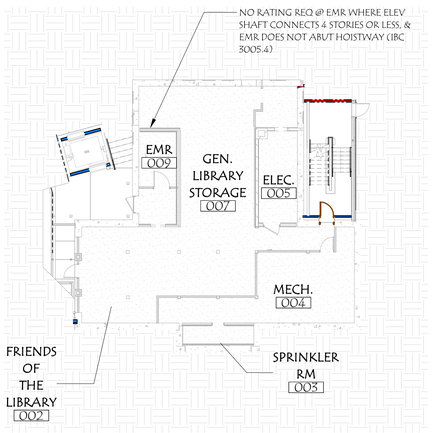
1 FRR DIAGRAM - LEVEL 1
A0.12 1/16" = 1'-0"



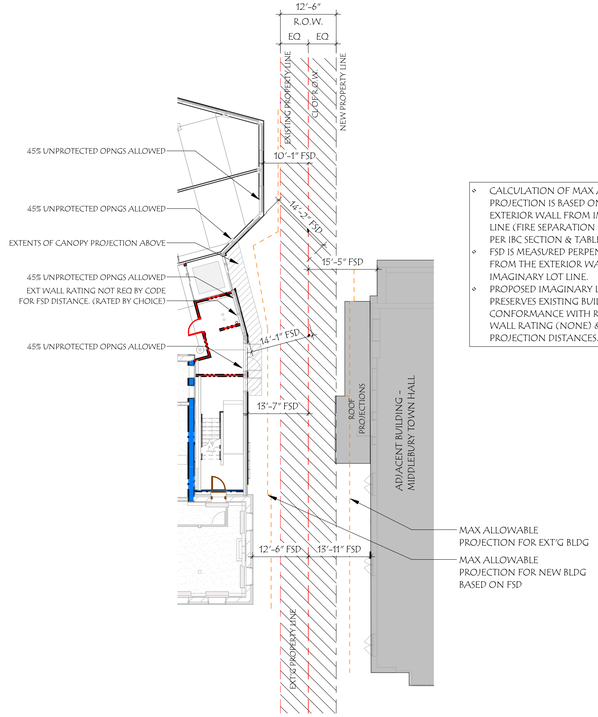
1A A0.12 ELEV - OPENINGS
1/16" = 1'-0"



2 FRR DIAGRAM - LEVEL 2
A0.12 1/16" = 1'-0"



3 FRR DIAGRAM - BASEMENT
A0.12 1/16" = 1'-0"



- CALCULATION OF MAX ALLOWABLE PROJECTION IS BASED ONDISTANCE OF EXTERIOR WALL FROM IMAGINARY LOT LINE (FIRE SEPARATION DISTANCE = FSD) PER IBC SECTION & TABLE 705.2.
- FSD IS MEASURED PERPENDICULARLY FROM THE EXTERIOR WALL TO THE IMAGINARY LOT LINE.
- PROPOSED IMAGINARY LOT LINE PRESERVES EXISTING BUILDING CODE CONFORMANCE WITH REGARDS TO WALL RATING (NONE) & ALLOWABLE PROJECTION DISTANCES.

1B FRR DIAGRAM @ SOUTH SIDE - LEVEL 1
A0.12 1/16" = 1'-0"

SHEET NOTES: FRR DIAGRAMS

RATINGS OF EXTERIOR WALLS (IBC TABLES 601 & 602):
- BEARING WALLS: 0-HR'
- NON-BEARING WALLS
  - FSD < 10 1-HR FRR
  - 10 ≤ FSD 0-HR FRR
- (BEARING WALLS SHALL NOT BE RATED LESS THAN AS REQUIRED BASED ON FSD FOR NON-BEARING WALLS)

PRIMARY STRUCTURE WITHIN FRR WALLS (IBC TABLES 601 & 602):
- PROTECT ALL COLUMNS WITHIN FRR WALLS WITH SEPARATE COLUMN FIRE PROTECTION.
- REF COLUMN WRAP DETAIL ON AHEET A0.13

OPENINGS PROTECTION (EXCERPT FROM IBC TABLE 705.8):
MAX AREA OF EXT WALL OPENINGS ALLOWED
BASED ON FSD & DEGREE OF OPENING PROTECTION (SPRINKLERED BLDG)
- FSD: 0' - 3' OPENINGS NOT PERMITTED
- FSD: 3' - 5' 15% UNPROTECTED OPNGS ALLOWED
- FSD: 5' - 10' 25% UNPROTECTED OPNGS ALLOWED
- FSD: 10'-15' 45% UNPROTECTED OPNGS ALLOWED
- FSD: 15'-20' 75% UNPROTECTED OPNGS ALLOWED
- FSD: > 20' NO LIMIT

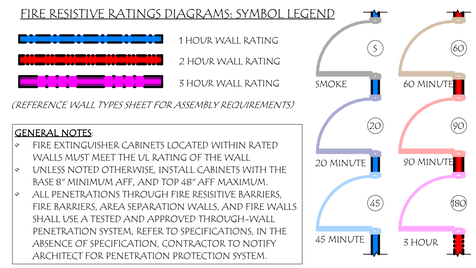
PROJECTIONS FROM EXT WALLS:
1. CALCULATION OF MAX ALLOWABLE PROJECTION IS BASED ON DISTANCE OF EXTERIOR WALL FROM IMAGINARY LOT LINE (FIRE SEPARATION DISTANCE = FSD) PER IBC SECTION & TABLE 705.2.
2. FSD IS MEASURED PERPENDICULARLY FROM THE EXTERIOR WALL TO THE IMAGINARY LOT LINE.
3. PROPOSED IMAGINARY LOT LINE PRESERVES EXISTING BUILDING CODE CONFORMANCE WITH REGARDS TO WALL RATING (NONE) & ALLOWABLE PROJECTION DISTANCES.

FIRE BARRIER MARKINGS



NOTES:
- SCOPE:
  1. IN ALL ACCESSIBLE CONCEALED FLOOR-CEILING, OR ATTIC SPACE; ALL FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, AND SMOKE BARRIERS SHALL BE LABELED WITH THE ABOVE SIGNAGE
     A. SIGNS SHALL BE LOCATED A MAXIMUM OF 15FT FROM THE END OF EACH WALL
     B. SIGNS SHALL BE LOCATED AT A MAXIMUM SPACING OF 30FT ON CENTER.
- SIGNAGE TO BE COMPLIANT WITH IBC-2015 SECTION 703.7
- SIGNAGE TO BE STICKER OR PAINT STENCIL

FIRE RESISTIVE RATINGS DIAGRAMS: SYMBOL LEGEND



(REFERENCE WALL TYPES SHEET FOR ASSEMBLY REQUIREMENTS)

GENERAL NOTES:
- FIRE EXTINGUISHER CABINETS LOCATED WITHIN RATED WALLS MUST MEET THE UL RATING OF THE WALL
- UNLESS NOTED OTHERWISE, INSTALL CABINETS WITH THE BASE 8" MINIMUM AFF, AND TOP 48" AFF MAXIMUM.
- ALL PENETRATIONS THROUGH FIRE RESISITIVE BARRIERS, FIRE BARRIERS, AREA SEPARATION WALLS, AND FIRE WALLS SHALL USE A TESTED AND APPROVED THROUGH-WALL PENETRATION SYSTEM, REFER TO SPECIFICATIONS, IN THE ABSENCE OF SPECIFICATION, CONTRACTOR TO NOTIFY ARCHITECT FOR PENETRATION PROTECTION SYSTEM.

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT STEVEN M. ROY NO. 3020 STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

N

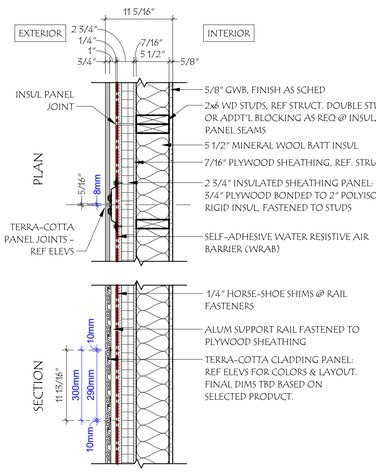
FIRE RESISTANCE RATING DIAGRAMS

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	DW
SCALE:	As indicated

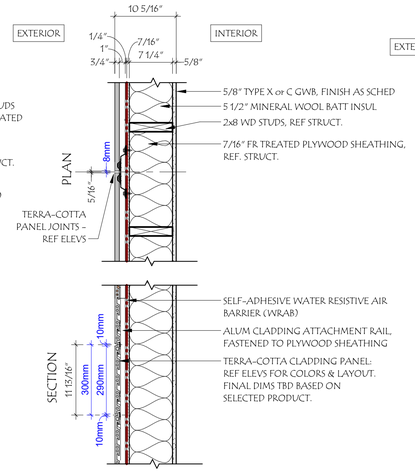
A0.12

PRINTED: 1/24/2025 3:49:00 PM FILENAME: C:\Users\jbarnett\Documents\V2023018_ILSLEY PUBLIC LIBRARY_21A_CD_JBARNETT222.rvt

EXTERIOR WALL TYPES



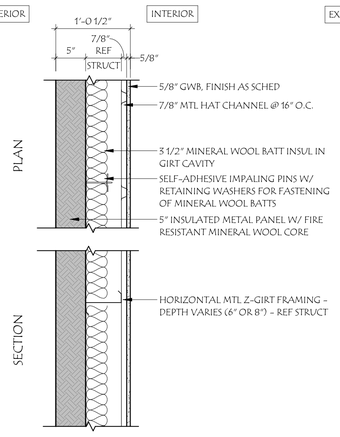
WT 01 — TERRA-COTTA PANEL on 2x6 STUDS
- INSUL: R-13.1 ci, R-21 cavity



WT 01A — TERRA-COTTA PANEL on 2x8 STUDS
- 1-hr FRR: UL V340
- INSUL: R-30 cavity

1-hr FIRE RATED

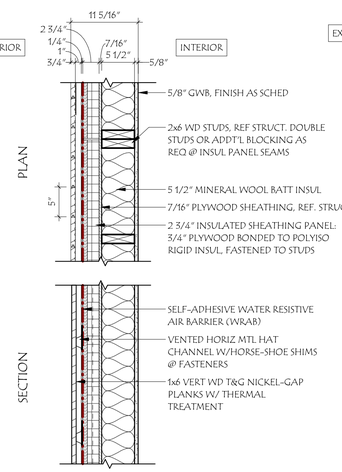
01B SIM. TO WT 01A EXCEPT: NO FRR REQUIRED



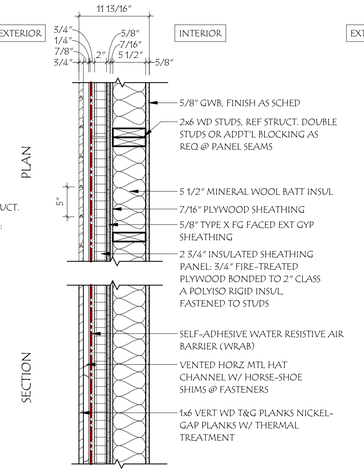
WT 02A — INSULATED METAL PANEL ON MTL GIRTS
- 1-hr FRR: UL V421 W/ 1-HR IMP IN PLACE OF EXT GYP
- INSUL: R-18.9 ci, R-13 cavity

1-hr FIRE RATED

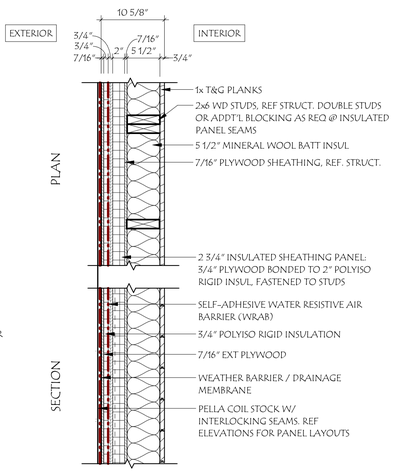
02 SIM. TO WT 02A EXCEPT: NO FRR REQUIRED



WT 03 — VERT WD T&G PLANKS ON 2x6 STUDS
- INSUL: R-13.1 ci, R-21 cavity



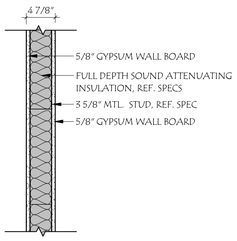
WT 03A — VERT WD T&G PLANKS ON 2x6 STUDS
- INSUL: R-18.9 ci, R-13 cavity



WT 04 — PELLA COIL STOCK on 2x6 STUDS
- INSUL: R-13.1 ci, R-21 cavity

04A SIM. TO WT 04 EXCEPT: NO 3/4" RIGID INSUL OR 5/8" PLYWD. INSTALL METAL SKIN DIRECTLY OVER WRAB ON INSULATED MTL PANEL.

INTERIOR PARTITION TYPES



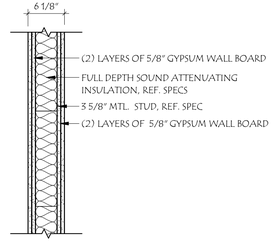
WT 50 — 1 HOUR RATED WALL CONST. REFERENCE UL U465

50B SIM. TO WT 50 EXCEPT: FULL DEPTH SOUND ATTENUATING NOT REQUIRED, NOTE: ** 1 HR RATING STILL REQUIRED**

50C SIM. TO WT 50 EXCEPT: 1 HOUR FIRE RATING NOT REQUIRED

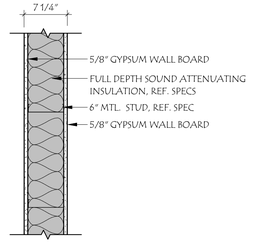
50D SIM. TO WT 50 EXCEPT: FULL DEPTH SOUND ATTENUATING NOT REQUIRED, 1 HOUR FIRE RATING NOT REQUIRED

50E SIM. TO WT 50 EXCEPT: ACOUSTIC CLIPS & HAT CHANNEL FURRING UNDER GWB, 1 SIDE



WT 51 — 2 HOUR RATED WALL CONST. REFERENCE UL U425

51B SIM. TO WT 51 EXCEPT: FULL DEPTH SOUND ATTENUATING NOT REQUIRED, NOTE: ** 2 HR RATING STILL REQUIRED**

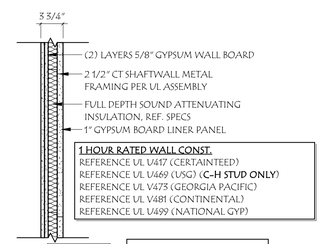


WT 52 — 1 HOUR RATED WALL CONST. REFERENCE UL U465

52B SIM. TO WT 52 EXCEPT: FULL DEPTH SOUND ATTENUATING NOT REQUIRED, NOTE: ** 1 HR RATING STILL REQUIRED**

52C SIM. TO WT 52 EXCEPT: 1 HOUR FIRE RATING NOT REQUIRED

52D SIM. TO WT 52 EXCEPT: FULL DEPTH SOUND ATTENUATING NOT REQUIRED, 1 HOUR FIRE RATING NOT REQUIRED

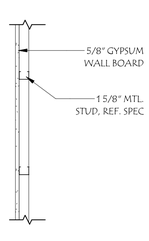


WT 58 — 2 HOUR RATED WALL CONST. REFERENCE UL U428

58B SIM. TO WT 58 EXCEPT: CT STUD TO BE 4" NOM. NOTE: ** 2 HR RATING STILL REQUIRED**

58C SIM. TO WT 58 EXCEPT: 1 LAYER OF 5/8" GWB, RATING TO BE 1 HR

58D SIM. TO WT 58B EXCEPT: 1 LAYER OF 5/8" GWB, RATING TO BE 1 HR

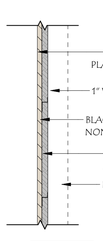


WT 59

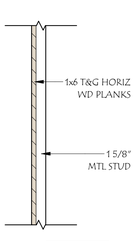
59B SIM. TO WT 59 EXCEPT: 2 1/2" METAL STUDS, REF. SPEC

59C SIM. TO WT 59 EXCEPT: 3 5/8" METAL STUDS, REF. SPEC

59D SIM. TO WT 59C ADD SOUND ATTENUATION INSULATION WITH SPECIFIED BATT SUPPORT SYSTEM



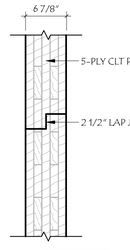
WT WD-6



WT WD-7A

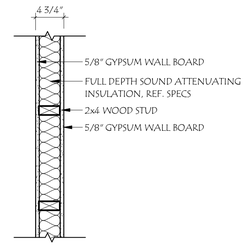
WD-7B SIM. TO WT WD-7A EXCEPT: 3 5/8" METAL STUDS, REF. SPEC

WD-7D SIM. TO WT WD-7B EXCEPT: 1/2" MTL FURRING



WT CLT — 1 HOUR RATED WALL CONST. REFERENCE UL V529

CLT-1 SIM. TO WT CLT EXCEPT: ADD (1) LAYER 5/8" GYP BD TO ONE SIDE OF CLT PANEL. NOTE: ** 1 HR RATING STILL REQUIRED**

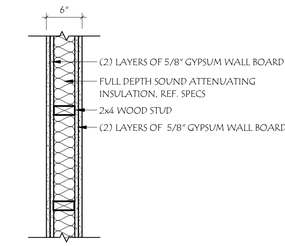


WT 60 — 1 HOUR RATED WALL CONST. REFERENCE UL U505

60B SIM. TO WT 60 EXCEPT: FULL DEPTH SOUND ATTENUATING NOT REQUIRED, NOTE: ** 1 HR RATING STILL REQUIRED**

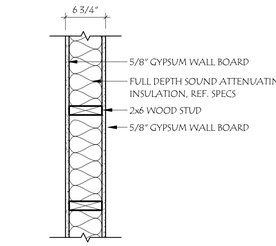
60C SIM. TO WT 60 EXCEPT: 1 HOUR FIRE RATING NOT REQUIRED

60D SIM. TO WT 60 EXCEPT: FULL DEPTH SOUND ATTENUATING NOT REQUIRED, 1 HOUR FIRE RATING NOT REQUIRED



WT 61 — 2 HOUR RATED WALL CONST. REFERENCE UL U501

61B SIM. TO WT 61 EXCEPT: FULL DEPTH SOUND ATTENUATING NOT REQUIRED, NOTE: ** 2 HR RATING STILL REQUIRED**

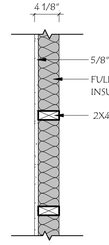


WT 62 — 1 HOUR RATED WALL CONST. REFERENCE UL U305

62B SIM. TO WT 62 EXCEPT: FULL DEPTH SOUND ATTENUATING NOT REQUIRED, NOTE: ** 1 HR RATING STILL REQUIRED**

62C SIM. TO WT 62 EXCEPT: 1 HOUR FIRE RATING NOT REQUIRED

62D SIM. TO WT 62 EXCEPT: INSUL NOT REQUIRED, 1 HOUR FIRE RATING NOT REQUIRED

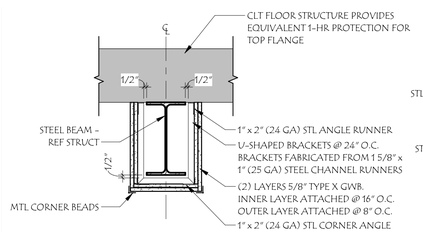


WT 69

69B SIM. TO WT 69 EXCEPT: 2x4 STUDS ARE ON THE FLAT

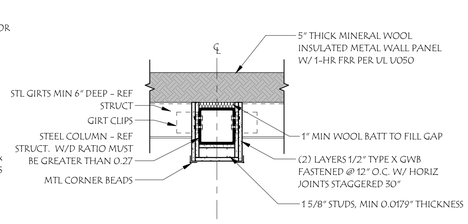
69C SIM. TO WT 69 EXCEPT: INSUL NOT REQUIRED

BEAM & COLUMN ASSEMBLIES



BEAM WRAP ASSEMBLY

1 HOUR RATED BEAM ASSEMBLY
REFERENCE IBC TABLE 721.1(1)
ITEM NUMBER 2-4.1/L V906



COLUMN WRAP ASSEMBLY

1 HOUR RATED COL ASSEMBLY
REFERENCE UL X524

SHEET NOTES: EXTERIOR WALL & INTERIOR PARTITION ASSEMBLY TYPES

1. WALLS AND PARTITIONS SHALL BE FULL HEIGHT (INCLUDING FINISHES) TO FLOOR OR ROOF DECK ABOVE, UNLESS NOTED OTHERWISE.
2. REFERENCE STRUCTURAL DRAWINGS FOR STUD SPACING, TYPICAL.
3. REFERENCE SPECIFICATION(S) AND STRUCTURAL DRAWINGS FOR CFS DESIGN, TYPICAL.
4. BUILDING ASSEMBLIES WITH LISTED FRR ASSEMBLIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LISTING AGENCIES' ASSEMBLY CURRENT AS OF THE ISSUED FOR CONSTRUCTION DATE ON THESE DRAWINGS. THE LISTINGS MUST BE CONSULTED, AS NOT ALL REQUIRED DETAILS OF THE CONSTRUCTION ARE NOTED HERE. CONTACT THE ARCHITECT W/ ANY DISCREPANCIES BETWEEN THE ASSEMBLY SHOWN HERE AND THE LISTING PRIOR TO CONSTRUCTION.
5. PROVIDE MOISTURE RESISTANT GYPSUM (MRGWB) IN ALL TOILET AND BATHROOM LOCATIONS UNLESS NOTED OTHERWISE.
6. IDENTIFY ALL FIRE & SMOKE RATED PARTITIONS PER SPECIFICATIONS & IBC REQUIREMENTS. REF "FIRE BARRIER MARKINGS" ON A0.11.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT — STEVEN M. WOLF — NO. 3020 — STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

EXTERIOR WALLS & INTERIOR PARTITION TYPES

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	WLA
SCALE:	As indicated

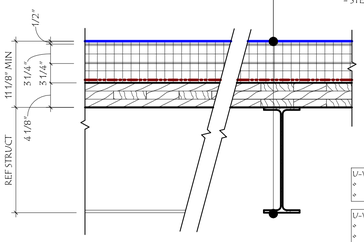
A0.13

PRINTED: 1/24/2025 3:59:17 PM FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_JBARRETT222.rvt

ROOF ASSEMBLIES

R1 – MEMBRANE ROOF – SLOPED CLT ROOF

- 80 MIL TPO ROOF MEMBRANE – ADHERED
- 1/2" HI DENSITY POLYISO COVERBOARD
- (2) LAYERS 3 1/4" FG-FACED POLYISO RIGID BOARD INSUL
- VAPOR RETARDER MEMBRANE
- CLT STRUCTURAL WD PANEL – REF STRUCT
- STEEL BEAMS – REF STRUCT



U-VALUE REQUIREMENTS:
- AVERAGE OVERALL R-45 c.i. / MAX U-0.22
- MIN R-12 @ LOW POINTS

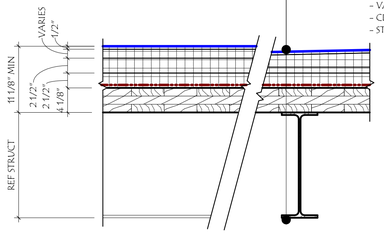
U-VALUE CALCULATION

OUT AIR FILM – HORIZ	R-0.17
1/2" POLYISO COVERBD	R-2.5
3 1/4" POLYISO RIGID INSUL	R-18.9
3 1/4" POLYISO RIGID INSUL	R-18.9
4 1/8" CLT PANEL	R-5.2 (R-1.25/inch)
IN AIR FILM – HORIZ	R-0.61
TOTAL = R-46.28	
U = 1/R = U-0.021	

R1 TPO ON FLAT INSUL ON SLOPED CLT ROOF
A0.14 1" = 1'-0"
@ MAIN ROOF

R2 – MEMBRANE ROOF – FLAT CLT ROOF

- 80 MIL TPO ROOF MEMBRANE – ADHERED
- 1/2" HI DENSITY POLYISO COVERBOARD
- TAPERED POLYISO RIGID BD INSUL – REF ROOF PLAN
- 2 1/2" FG-FACED POLYISO RIGID BD INSUL
- 2 1/2" FG-FACED POLYISO RIGID BD INSUL
- VAPOR RETARDER MEMBRANE
- CLT STRUCTURAL WD PANEL – REF STRUCT
- STL BEAMS – REF STRUCT



U-VALUE REQUIREMENTS:
- AVERAGE OVERALL R-45 c.i. / MAX U-0.22
- MIN R-12 @ LOW POINTS

U-VALUE CALCULATION

OUT AIR FILM – HORIZ	R-0.17
1/2" POLYISO COVERBD	R-2.5
TAPERED POLYISO INSUL	R-XX.AVG (1.5" = 8.6 ASSUMED)
2 1/2" POLYISO RIGID INSUL	R-14.4
2 1/2" POLYISO RIGID INSUL	R-14.4
4 1/8" CLT PANEL	R-5.2 (R-1.25/inch)
IN AIR FILM – HORIZ	R-0.61
TOTAL = R-45.88	
U = 1/R = U-0.022	

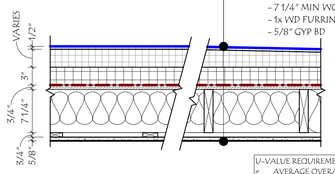
R2 TPO ON TAPERED INSUL ON FLAT CLT ROOF
A0.14 1" = 1'-0"
@ DROPPED SECTION OF MAIN ROOF
@ DROPPED SECTION @ WEST ENTRY ROOF

R2A TPO ON TAPERED INSUL ON FLAT CLT ROOF
A0.14 1" = 1'-0"
@ WEST ENTRY ROOF

SIMILAR TO R2 WITH FOLLOWING SUBSTITUTIONS:
- REPLACE (2) LAYERS OF 2 1/2" POLYISO WITH SINGLE LAYER OF 3 3/4" (R-22) BASE LAYER OF POLYISO
- (ASSUME AVG R-VALUE OF TAPERED IS 3.4" = R-19.9)

R3 – MEMBRANE ROOF – 2x FRAMING

- 80 MIL TPO ROOF MEMBRANE – ADHERED
- 1/2" HI DENSITY POLYISO COVERBOARD
- TAPERED POLYISO RIGID BD INSUL – REF ROOF PLAN
- 3" FG-FACED POLYISO RIGID BD INSUL
- VAPOR RETARDER MEMBRANE
- 3/4" PLYWD ROOF SHEATHING – REF STRUCT
- 2x JOISTS – REF STRUCT
- 7 1/4" MIN WOOL BATT INSUL – R30
- 1x WD FURRING @ 16" O.C.
- 5/8" GYP BD



U-VALUE REQUIREMENTS:
- AVERAGE OVERALL: MAX U-0.017
- MIN R-12 @ LOW POINTS

U-VALUE CALCULATION

OUT AIR FILM – HORIZ	R-0.17
1/2" POLYISO COVERBD	R-2.5
TAPERED POLYISO INSUL	R-XX.AVG (1.9" = 10.8 ASSUMED)
3" POLYISO RIGID INSUL	R-17.4
3/4" PLYWOOD	R-0.94
7 1/4" MIN WOOL BATT	R-30
IN AIR FILM – HORIZ	R-0.61
TOTAL = R-62.42	
U = 1/R = U-0.016	

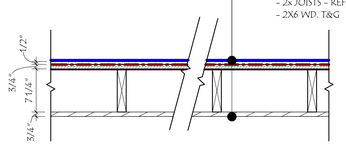
R3 R3 TPO ON FLAT FRAMED ROOF
A0.14 1" = 1'-0"
@ STAIR C

R3A R3A TPO ON SLOPED FRAMED ROOF
A0.14 1" = 1'-0"
@ OVERBUILT ROOF @ EXISTING BLDG

SIMILAR TO R3, W/ (2) LAYERS 2 1/2" POLYISO INSUL BOARD (NO TAPERED)

R4 – MEMBRANE ROOF – 2x FRAMING

- 80 MIL TPO ROOF MEMBRANE – ADHERED
- 1/2" HI DENSITY POLYISO COVERBOARD
- VAPOR RETARDER MEMBRANE
- 3/4" PLYWD ROOF SHEATHING – REF STRUCT
- 2x JOISTS – REF STRUCT
- 2X6 WD. T&G

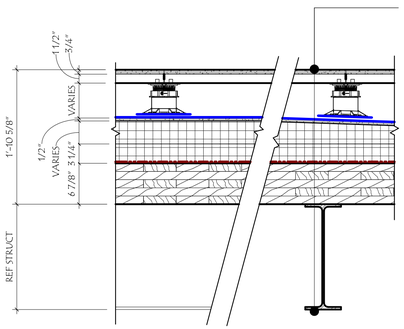


R4 R4 TPO CANOPY ROOF
A0.14 1" = 1'-0"

TERRACE FLOOR/ROOF ASSEMBLIES

T1 – TERRACE ROOF – PAVERS ON PEDESTALS

- 3/4" PORCELAIN PAVERS
- PLASTIC SUPPORT TRAY
- ADJUSTABLE PEDESTAL SYSTEM
- 8"x8" MIL TPO SLIP SHEETS @ PEDESTALS
- 80 MIL TPO ROOF MEMBRANE – ADHERED
- 1/2" GYPSUM COVERBOARD
- TAPERED POLYISO RIGID BD INSUL – REF ROOF PLAN
- 3 1/4" FG-FACED POLYISO RIGID BD INSUL
- VAPOR RETARDER MEMBRANE
- CLT STRUCTURAL WD PANEL ON STL BEAMS – REF STRUCT



U-VALUE REQUIREMENTS:
- AVERAGE OVERALL R-45 c.i. / MAX U-0.22
- MIN R-12 @ LOW POINTS

U-VALUE CALCULATION

OUT AIR FILM – HORIZ	R-0.17
1/2" GYPSUM COVERBOARD	R-.56
TAPERED POLYISO INSUL	R-XX.AVG (4" = 23.6 ASSUMED)
3 1/4" POLYISO RIGID INSUL	R-18.9
6 7/8" CLT PANEL	R-8.6 (R-1.25/inch)
IN AIR FILM – HORIZ	R-0.61
TOTAL = R-52.44	
U = 1/R = U-0.019	

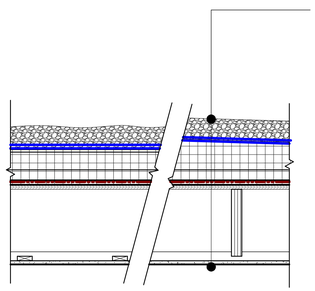
T1 TERRACE ROOF – PEDESTAL SYSTEM – PAVERS
A0.14 1" = 1'-0"

T1A TERRACE ROOF – PEDESTAL SYSTEM – WOOD TILES
A0.14 1" = 1'-0"

SIMILAR TO T1 WITH FOLLOWING SUBSTITUTIONS:
- REPLACE PLASTIC SUPPORT TRAY & PORCELAIN PAVERS WITH WOOD SLAT TILES

T2 – TERRACE ROOF – RAISED ROOF W/ GREEN ROOF

- RIVER ROCK BALLAST
- TPO SLIP SHEET
- 80 MIL TPO ROOF MEMBRANE – ADHERED
- TAPERED POLYISO RIGID BD INSUL – REF ROOF PLAN
- 3 3/4" FG-FACED POLYISO RIGID BD INSUL
- VAPOR RETARDER MEMBRANE
- 3/4" EXT STRUCTURAL PANEL SHEATHING
- LVL BEAMS – REF STRUCT
- 5/8" GYP BOARD ON 1x WD STRAPPING

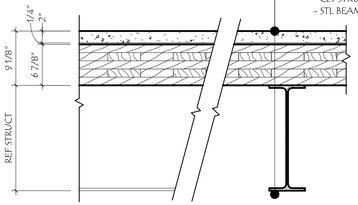


T2 T2 TERRACE ROOF – RAISED SECTION W/ BALLAST
A0.14 1" = 1'-0"

FLOOR & CEILING ASSEMBLIES

F1 – TYP CLT FLOOR

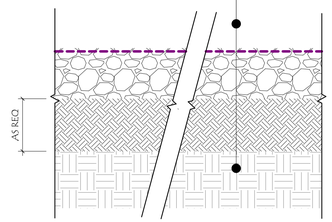
- FLOOR FINISH AS SPECIFIED
- 2" CEMENTITIOUS UNDERLAYMENT
- SOUND ATTENUATION MAT
- CLT STRUCTURAL WD PANEL – REF STRUCT
- STL BEAMS – REF STRUCT



F1 TYP CLT FLOOR ASSEMBLY
A0.14 1" = 1'-0"

F2 – TYP SLAB ON GRADE FLOOR

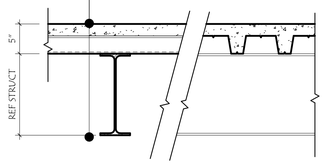
- FLOOR FINISH AS SPECIFIED
- CAST-IN-PLACE CONCRETE SLAB – REF STRUCT
- SUB-SLAB VAPOR BARRIER – REF STRUCT
- GRAVEL BASE – REF STRUCT
- COMPACTED STRUCTURAL FILL – REF STRUCT
- UNDISTRUBED SOIL



F2 TYP SLAB-ON-GRADE FLOOR ASSEMBLY
A0.14 1" = 1'-0"

F3 – TYP SLAB ON DECK FLOOR

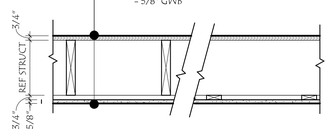
- FLOOR FINISH AS SPECIFIED
- CAST-IN-PLACE NW CONC – REF STRUCT
- STEEL DECK – REF STRUCT
- STEEL BEAM – REF STRUCT



F3 TYP SLAB ON DECK FLOOR ASSEMBLY
A0.14 1" = 1'-0"
@ STAIR A LANDING

F4 – TYP 2x JOIST FLOOR

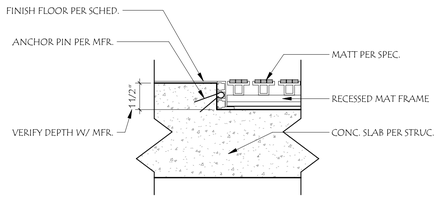
- FLOOR FINISH AS SPECIFIED
- 3/4" PLYWOOD SHEATHING – REF STRUCT
- 2x JOISTS – REF STRUCT
- 1x WD FURRING @ 16" O.C.
- 5/8" GWB



F4 TYP 2x JOIST FRAMED FLOOR
A0.14 1" = 1'-0"

F4A 2x JOIST FRAMED FLOOR – 1-HR FRR
A0.14 1" = 1'-0"

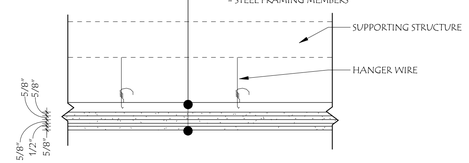
SIMILAR TO F4 WITH FOLLOWING SUBSTITUTIONS:
- ADD MIN 5/8" PLYWOOD OVER 3/4" PLYWOOD SHEATHING
- 1-HR RATED: COMPLY W/ UL ASSEMBLY L501
- PROTECT PENETRATIONS AS REQ PER IBC SECTION 714



EM RECESSED ENTRY MAT
A0.14 3" = 1'-0"

C1 – SUSPENDED GYP CEILING – 2HR FRR

- SUPPORTING STRUCTURE
- (3) LAYERS 5/8" TYPE C GYPSUM BOARD
- 1/2" RESILIENT CHANNEL
- (1) LAYER 5/8" TYPE C GYPSUM BOARD
- STEEL FRAMING MEMBERS



C1 SUSPENDED GYP CEILING ASSEMBLY – 2-HR FRR
A0.14 1" = 1'-0"

2-HR RATED: COMPLY W/ UL ASSEMBLY 1512

SHEET NOTES: HORIZONTAL ASSEMBLIES

1. FIRE-RATED ASSEMBLIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LISTED UL ASSEMBLY CURRENT AS OF THE ISSUE DATE OF THESE DRAWINGS. NOTIFY ARCHITECT OF ANY DISCREPANCIES BETWEEN LISTED UL ASSEMBLY AND THESE DRAWINGS PRIOR TO CONSTRUCTION.
2. PROTECT MEMBRANE AND THROUGH PENETRATIONS (ELECTRICAL BOXES, PIPES, DUCTS, ETC) THROUGH FIRE-RATED HORIZONTAL ASSEMBLIES W/ AN APPROVED PENETRATION FIRESTOP ASSEMBLY AS REQ PER IBC SECTION 714. REF ALSO MECH & PLUMBING DWGS FOR OTHER REQS INCLUDING FIRE, SMOKE, & RADITATION DAMPERS.
3. ASSUMPTION AS TO THE AVERAGE R-VALUE OF TAPERED INSULATION LAYERS ARE ESTIMATES ONLY. FINAL CONFIGURATION & THICKNESS OF ROOF INSULATION LAYERS IS TO BE DETERMINED THROUGH THE SHOP-DRAWING PROCESS. ALL ROOFS SHALL MEET THE ENERGY CODE REQUIRED MIN R-VALUE / MAX U-VALUE AS LISTED. THICKNESS OF BASE LAYER MAY BE INCREASED DUE TO ACTUAL CALCULATED AVERAGE R-VALUE OF TAPERED INSUL.
4. STAGGER JOINTS BETWEEN SUCCESSIVE LAYERS OF ROOF INSUL BY 6" MIN.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. KOX
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

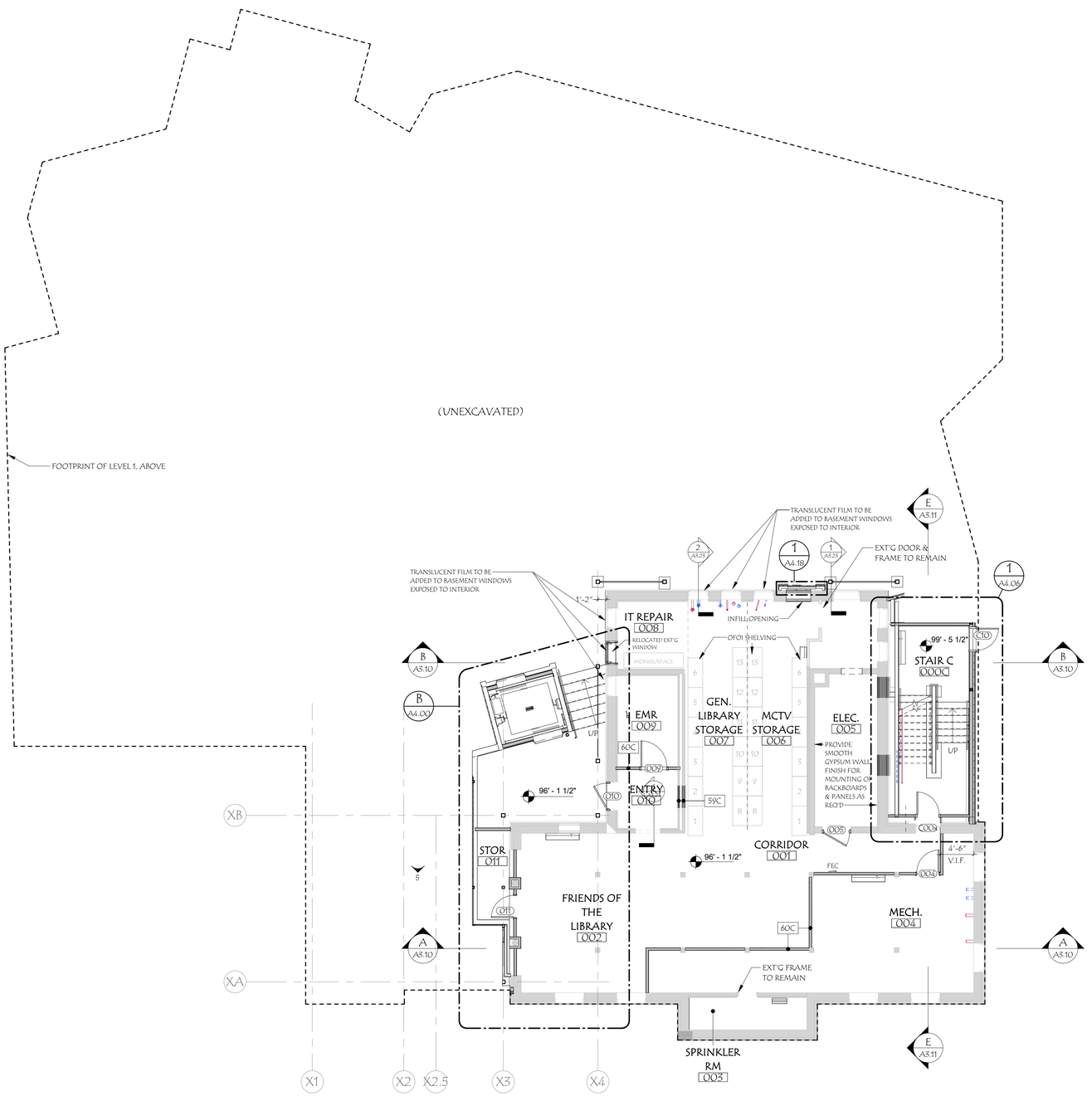
MIDDLEBURY, VERMONT

HORIZONTAL ASSEMBLIES

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMK
DRAWN BY:	DW
SCALE:	As indicated

A0.14

PRINTED: 1/24/2025 4:22:15 PM FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_BJARRETT222.rvt



38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. WOLF
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

BASEMENT - FLOOR PLAN

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	JRRB / DW
SCALE:	1/8" = 1'-0"

A1.00

PRINTED: 1/24/2025 3:59:32 PM FILENAME: C:\Users\jbarnett\Documents\20230118_ILSLEY PUBLIC LIBRARY_R24_CD_JBARRETT222.rvt



38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANIA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. WOT
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

LEVEL 1 & EXT'G
LEVEL 1 - FLOOR PLAN

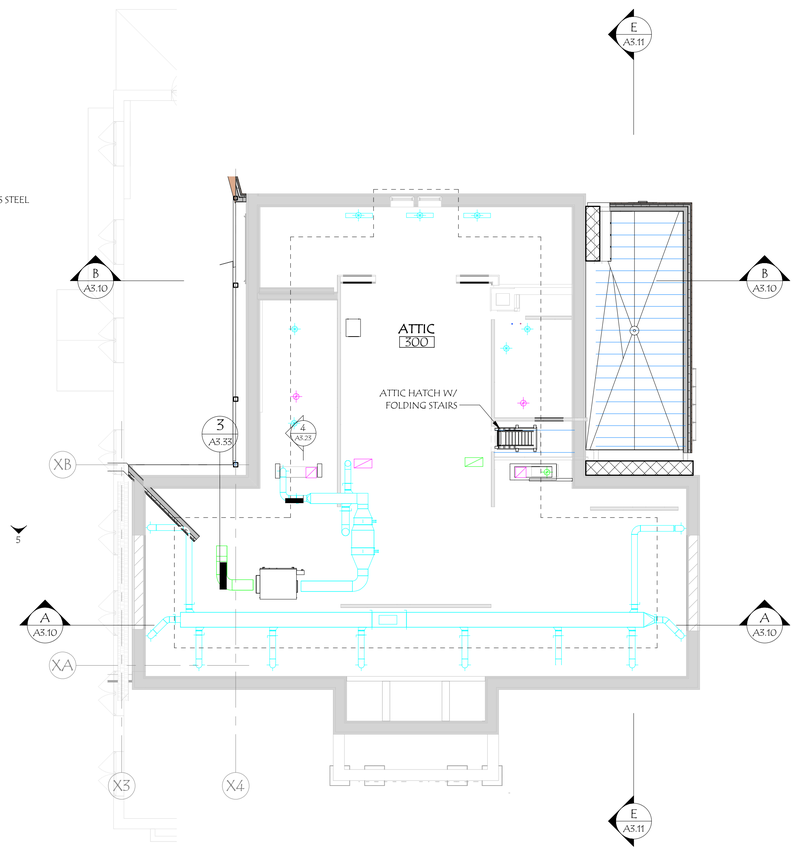
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	JRRB
SCALE:	1/8" = 1'-0"

A1.01

PRINTED: 1/24/2025 3:59:41 PM
FILENAME: C:\Users\jbonsall\Documents\20230118_ILSLEY PUBLIC LIBRARY_R24_CD_jBARRETT222.rvt



1 LEVEL 2 FLOOR PLAN
A1.02 1/8" = 1'-0"



2 ATTIC FLOOR PLAN
A1.02 1/8" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST.
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

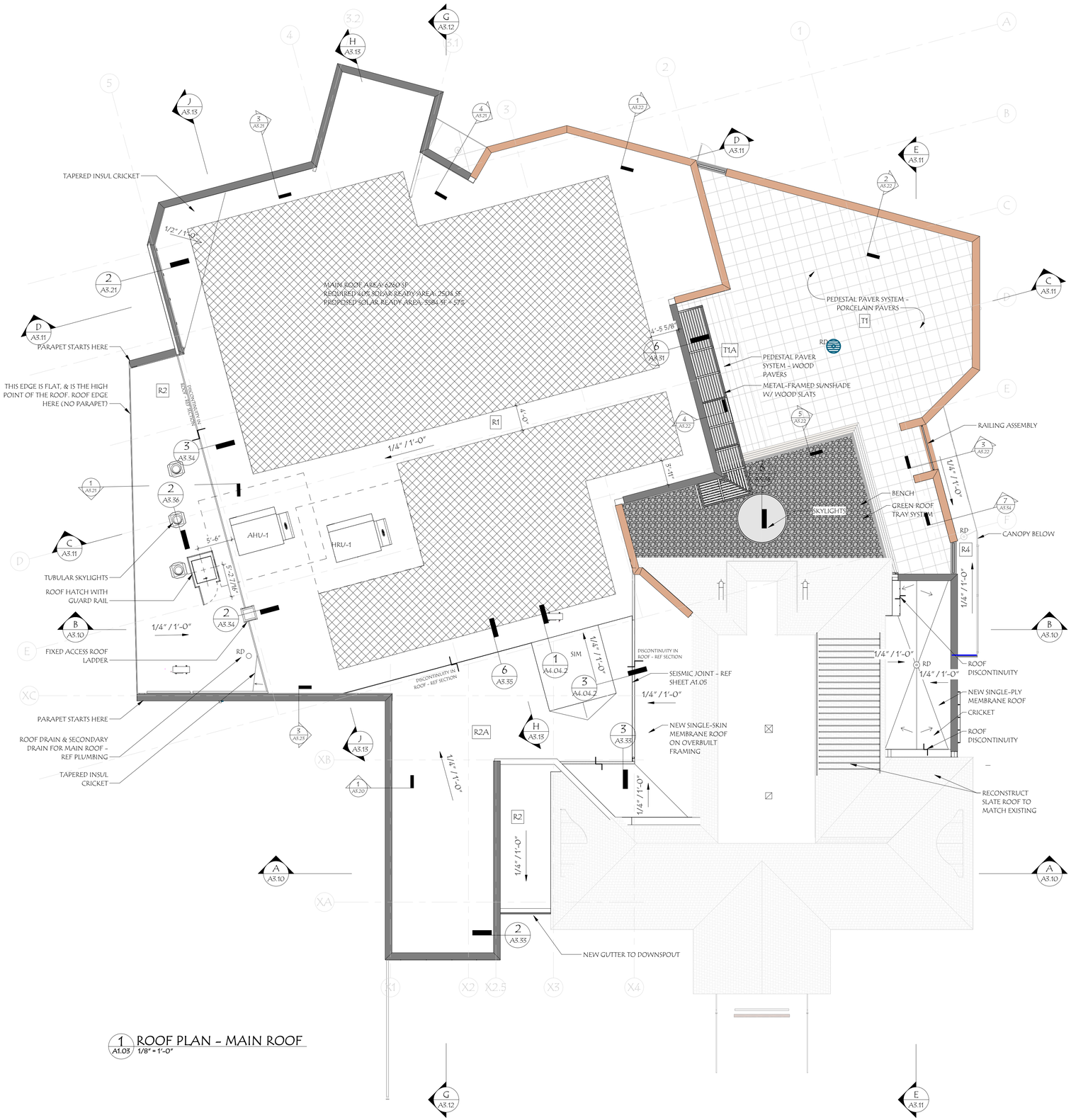
MIDDLEBURY, VERMONT

LEVEL 2 FLOOR PLAN & ATTIC FLOOR PLAN

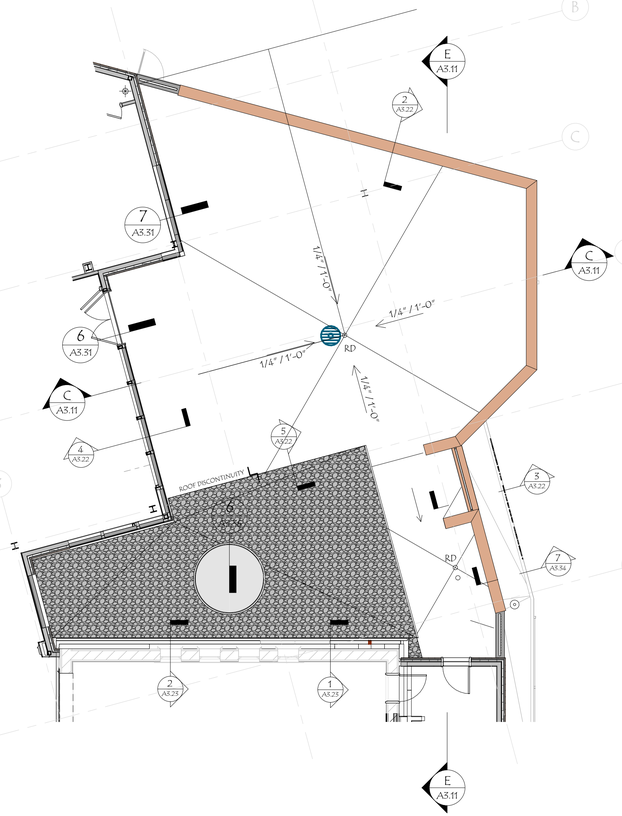
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	JRRB
SCALE:	1/8" = 1'-0"

A1.02

PRINTED: 1/24/2025 3:59:47 PM FILENAME: C:\Users\jbarnett\Documents\20230118_ILSLEY PUBLIC LIBRARY_R24_CD_jbARRETT222.rvt



1 A1.03 ROOF PLAN - MAIN ROOF
1/8" = 1'-0"



2 A1.03 ROOF PLAN - TERRACE
1/8" = 1'-0"

PAVERS & GREEN ROOF MODULES REMOVED TO SHOW SLOPE OF TAPERED INSULATION BELOW

SHEET NOTES: ROOF PLAN

1. CONTRACTOR TO FIELD VERIFY ALL PITCHES @ EXISTING BUILDING.

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBIC LIBRARY
ATTN: DANIA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST.
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. MAY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

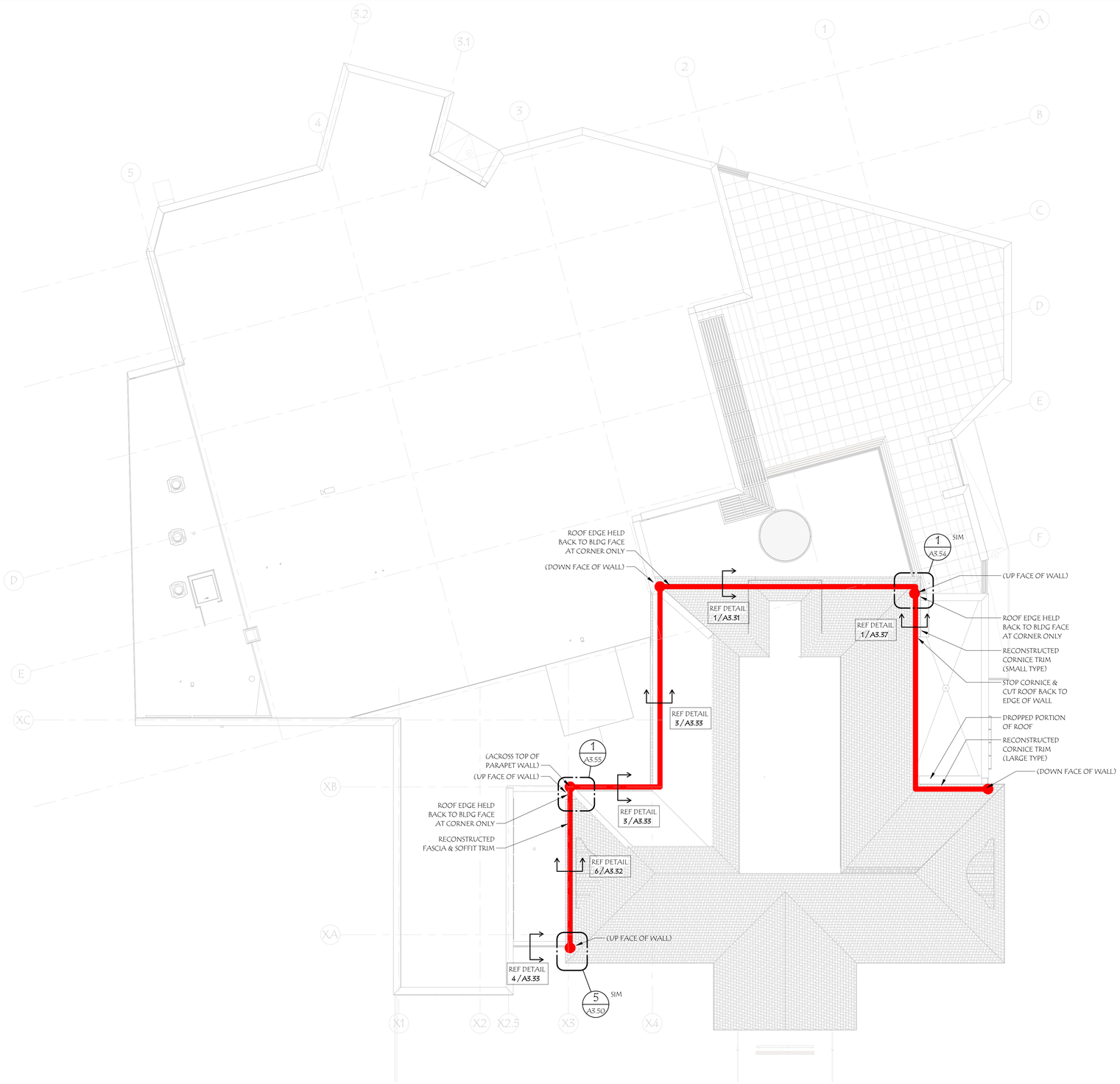
N

ROOF PLAN

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	DW
SCALE:	As indicated

A1.03

PRINTED: 1/24/2025 3:59:53 PM
FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_JBARNETT22.rvt



1 A1.04 BUILDING SEISMIC JOINT DETAIL KEY PLAN
1/8" = 1'-0"

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

BUILDING EXPANSION JOINT KEY PLAN

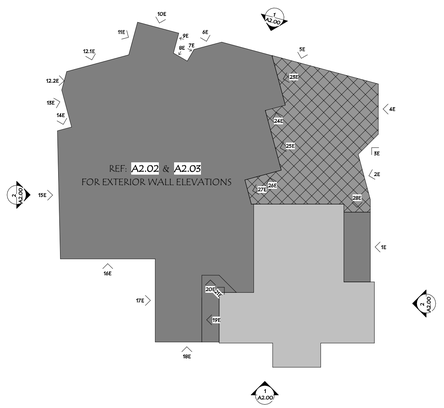
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	1/8" = 1'-0"

A1.04

PRINTED: 1/24/2025 3:59:56 PM FILENAME: C:\Users\jbarnet\Documents\V2023018_ILSLEY PUBLIC LIBRARY_R24_CD_JBARRETT222.rvt



1 A2.00 WEST (MAIN ST.)
3/16" = 1'-0"

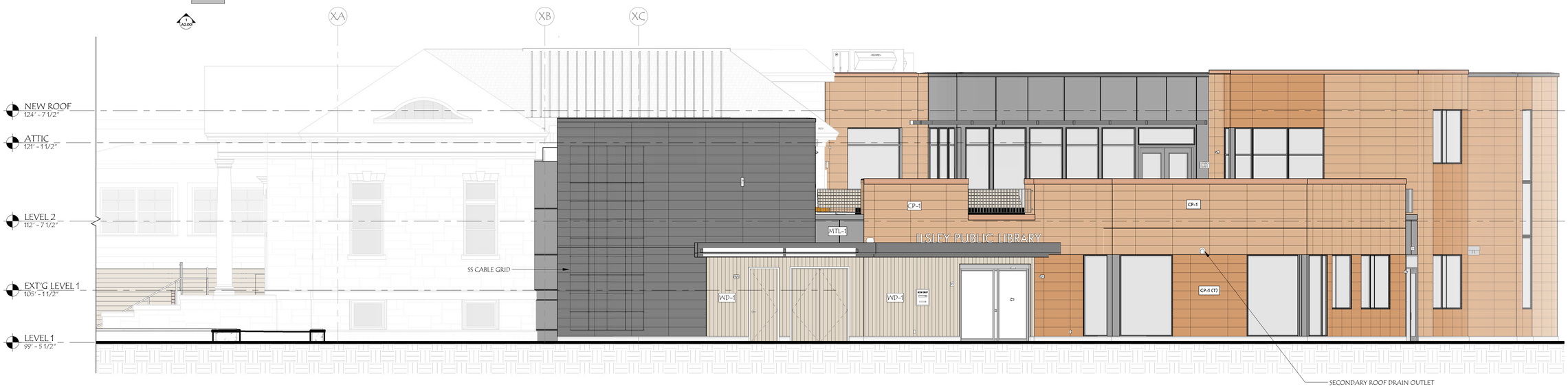


MATERIAL LEGEND	
CP-1	CERAMIC PANEL
IMP	METAL PANEL
WD-1	THERMAL WOOD
MTL-1	COILSTOCK / BREAK MTL

CP-X (T) TEXTURED BLOCK IN SAME COLOR AS "X"



3 A2.00 SOUTH - (ROOF DECK)
3/16" = 1'-0"



2 A2.00 SOUTH - (SIDEWALK)
3/16" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST.
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

BUILDING ELEVATIONS

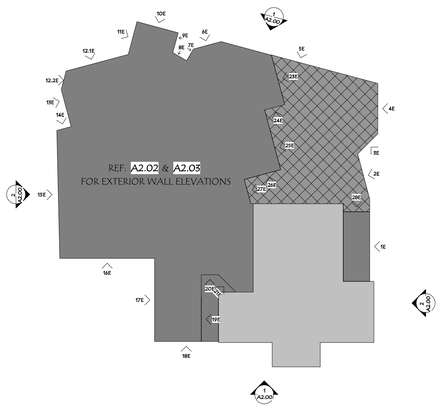
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	JB
SCALE:	As indicated

A2.00

FILENAME: C:\Users\jbennett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_BARRETT223.rvt
PRINTED: 1/24/2025 4:00:11 PM

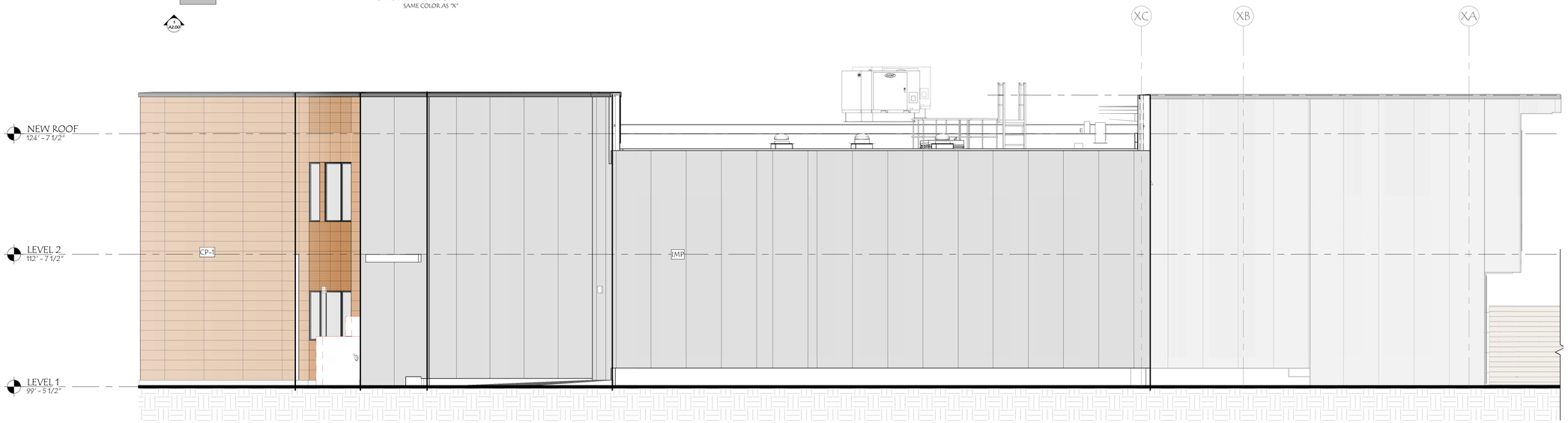


1 A2.01 EAST (PARKING)
3/16" = 1'-0"



MATERIAL LEGEND	
CP-1	CERAMIC PANEL
IMP	METAL PANEL
WD-1	THERMAL WOOD
MTL-1	COILSTOCK / BREAK MTL

CP-X (T) TEXTURED BLOCK IN SAME COLOR AS "X"



2 A2.01 NORTH (THEATER)
3/16" = 1'-0"

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANIA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

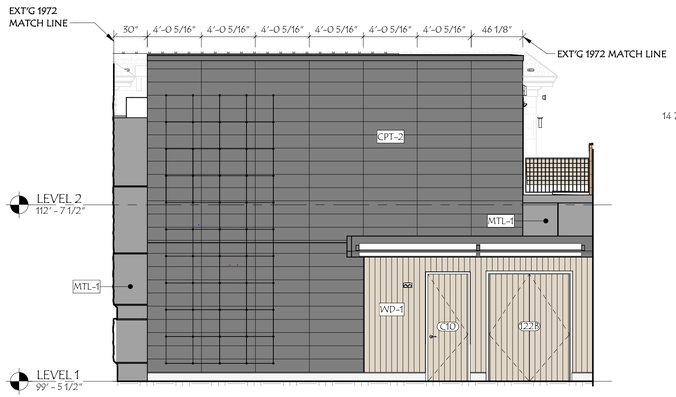
MIDDLEBURY, VERMONT

BUILDING ELEVATIONS

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	JB
SCALE:	As indicated

A2.01

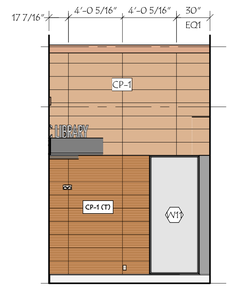
PRINTED: 1/24/2025 4:00:34 PM
FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_jbARRETT222.rvt



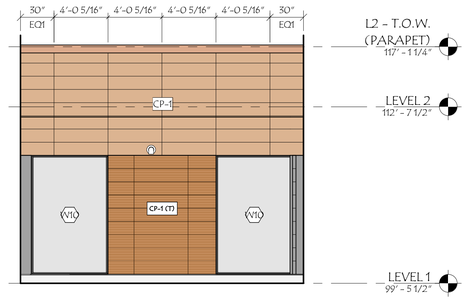
1 A2.02 1E



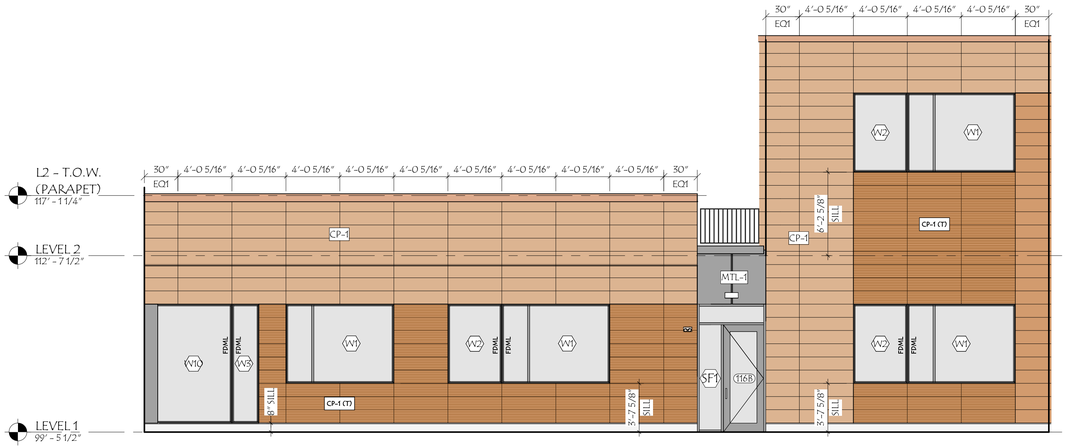
2 A2.02 2E



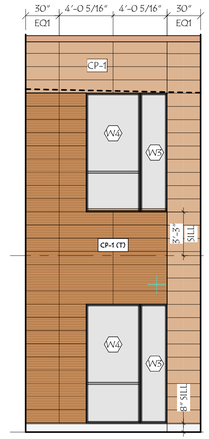
3 A2.02 3E



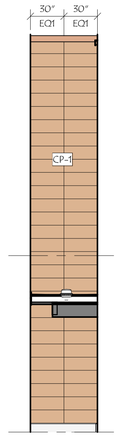
4 A2.02 4E



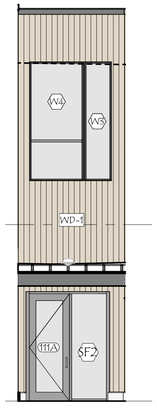
5 A2.02 5E



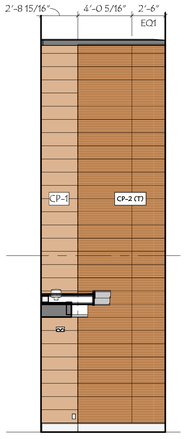
6 A2.02 6E



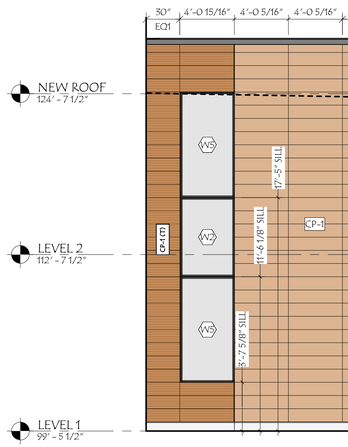
7 A2.02 7E



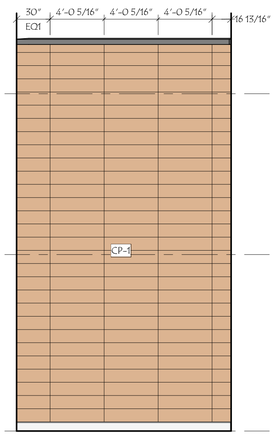
8 A2.02 8E



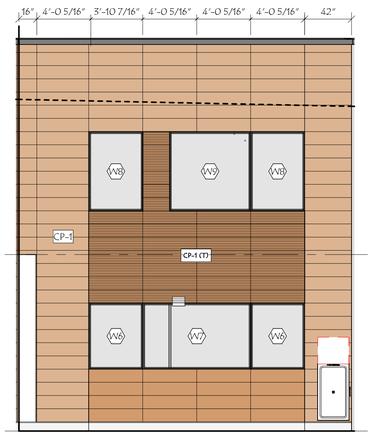
9 A2.02 9E



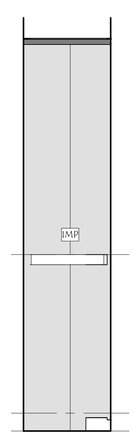
10 A2.02 10E



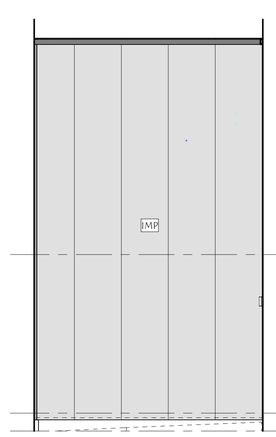
11 A2.02 11E



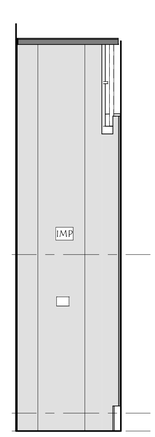
12 A2.02 12.1E



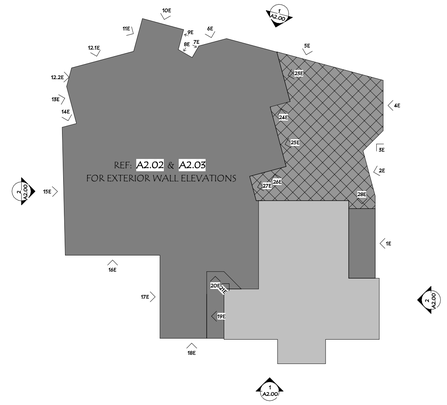
15 A2.02 12.2E 3/16" = 1'-0"



13 A2.02 13E 3/16" = 1'-0"



14 A2.02 14E



MATERIAL LEGEND	
CP-1	CERAMIC PANEL
IMP	METAL PANEL
WD-1	THERMAL WOOD
MTL-1	COILSTOCK / BREAK MTL

CP-X (T) TEXTURED BLOCK IN SAME COLOR AS "X"

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST.
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT STEVEN M. RAY NO. 3020 STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

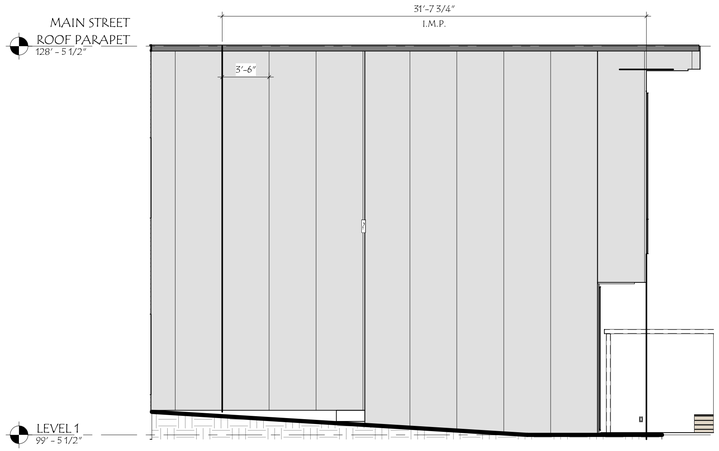
MIDDLEBURY, VERMONT

EXTERIOR WALL ELEVATIONS

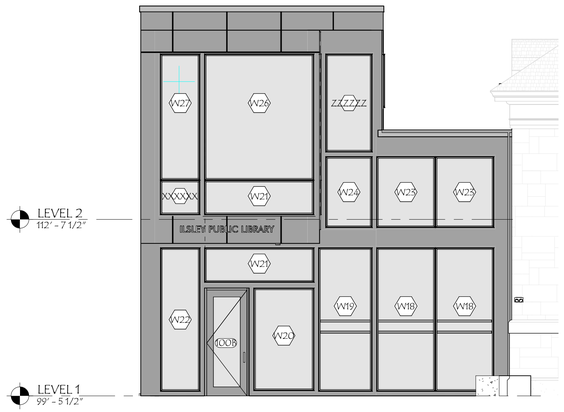
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	JB
SCALE:	As indicated

A2.02

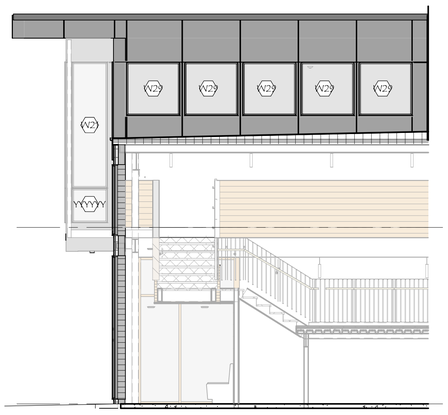
PRINTED: 1/24/2025 4:00:33 PM FILENAME: C:\Users\jbarnett\Documents\20230118_ILSLEY PUBLIC LIBRARY_R24_CD_JBARNETT222.rvt



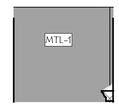
17 A2.03 17E



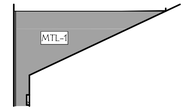
18 A2.03 18E



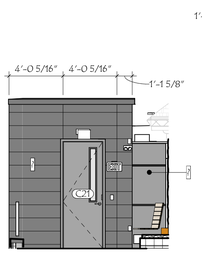
19 A2.03 19E



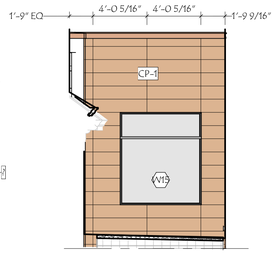
20 A2.03 20E



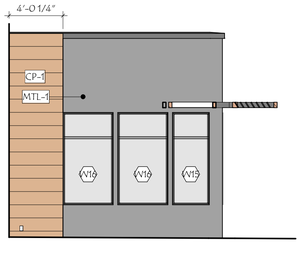
21 A2.03 21E



28 A2.03 ELEV - 28



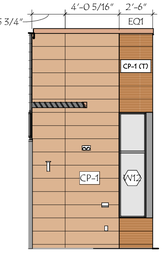
27 A2.03 ELEV - 27



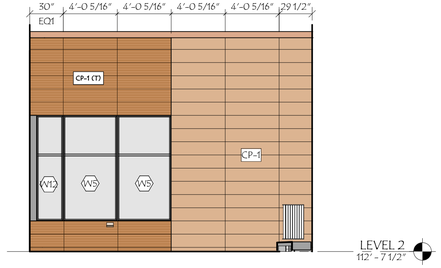
26 A2.03 ELEV - 26



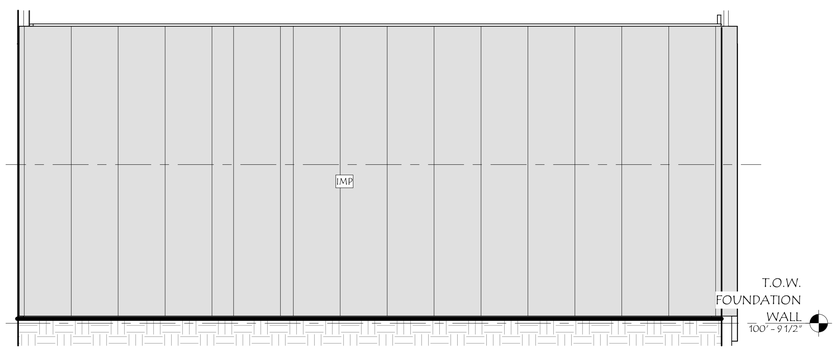
25 A2.03 ELEV - 25



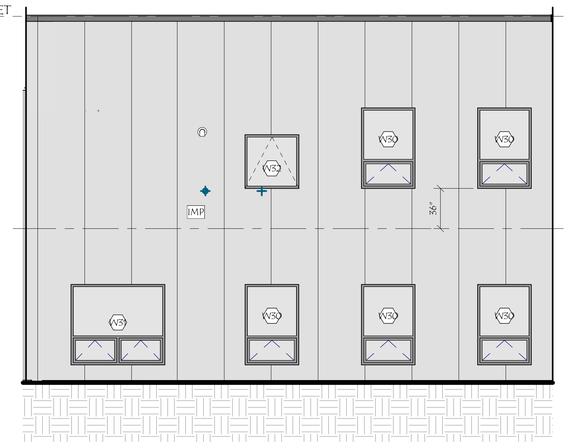
24 A2.03 ELEV - 24



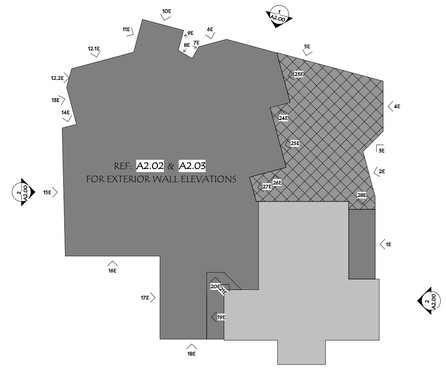
23 A2.03 ELEV - 23



15 A2.03 15E



16 A2.03 16E



MATERIAL LEGEND	
CP-1	CERAMIC PANEL
IMP	METAL PANEL
WD-1	THERMAL WOOD
MTL-1	COILSTOCK / BREAK MTL

CP-X (T) TEXTURED BLOCK IN SAME COLOR AS "X"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

EXTERIOR WALL ELEVATIONS

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	JB
SCALE:	As indicated

A2.03

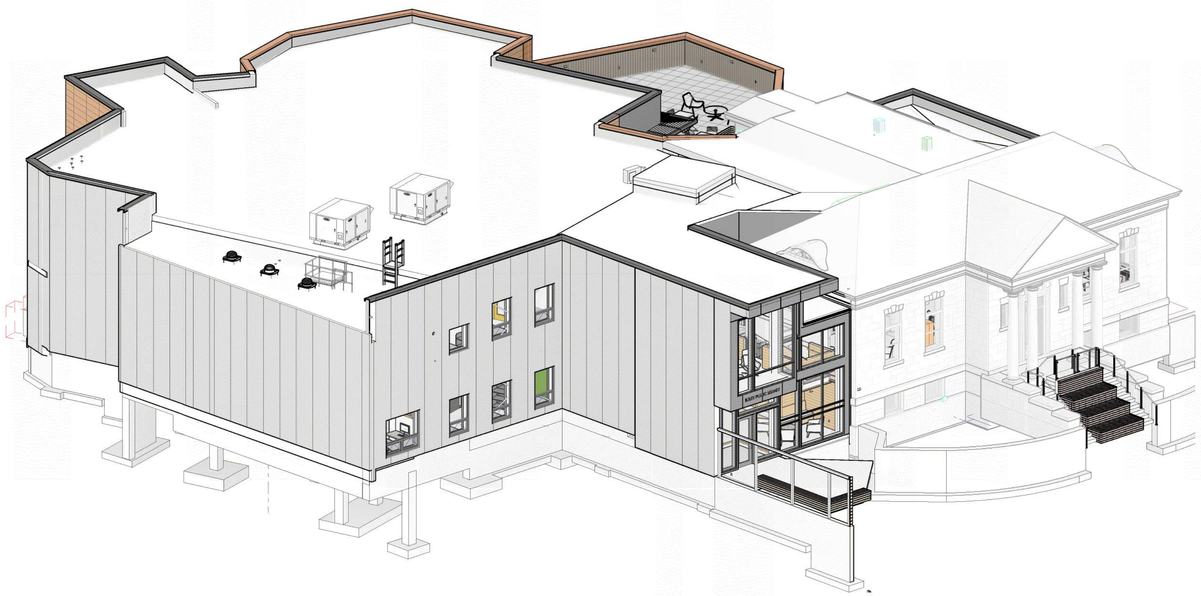
PRINTED: 1/24/2025 4:00:37 PM
FILENAME: C:\Users\JBarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_BARRETT222.rvt



1 A2.04 AXON - SW



2 A2.04 AXON - SE



3 A2.04 AXON - NW



4 A2.04 AXON - NE

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANIA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. WOLF
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

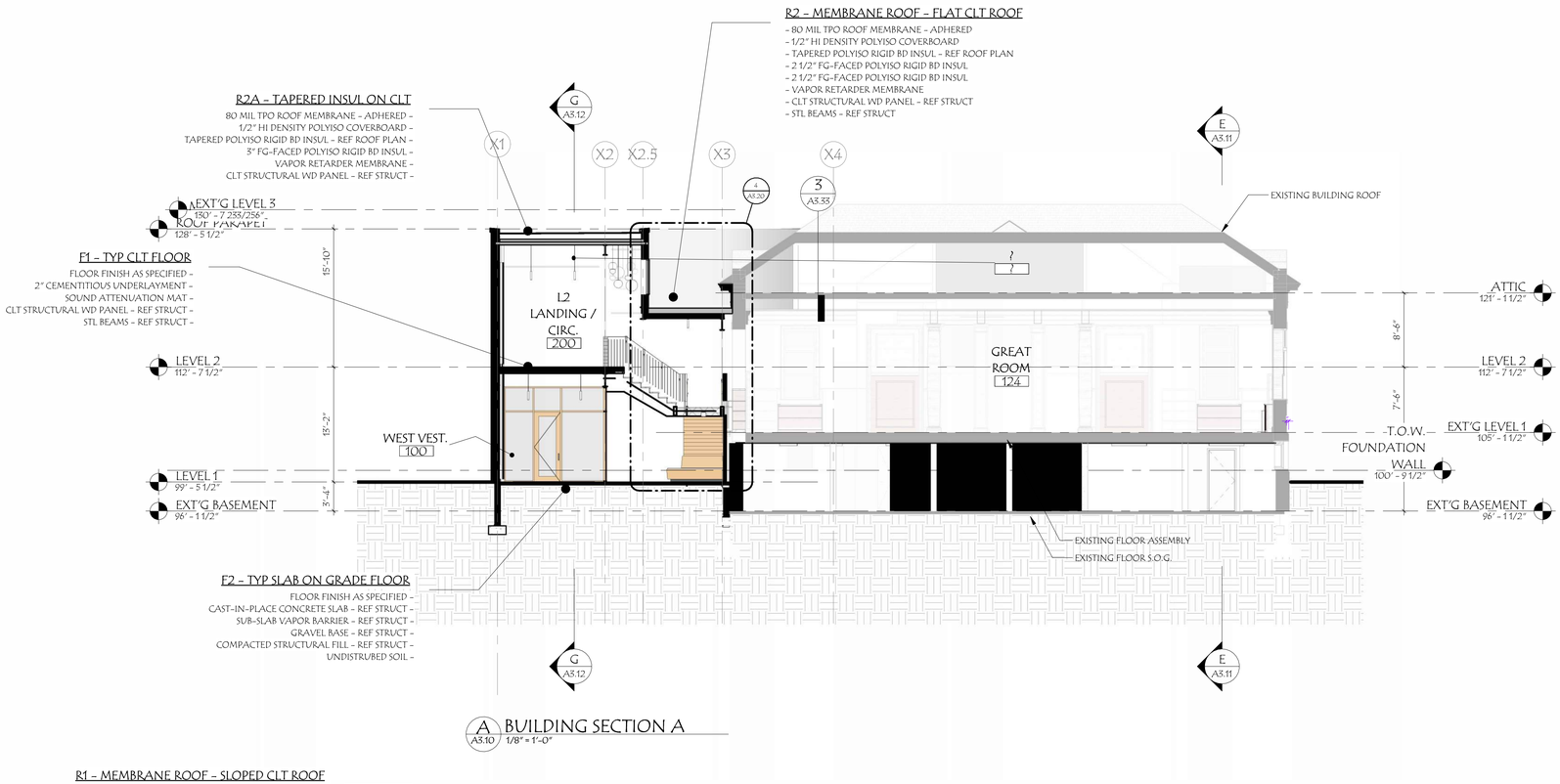
MIDDLEBURY, VERMONT

BUILDING AXONS

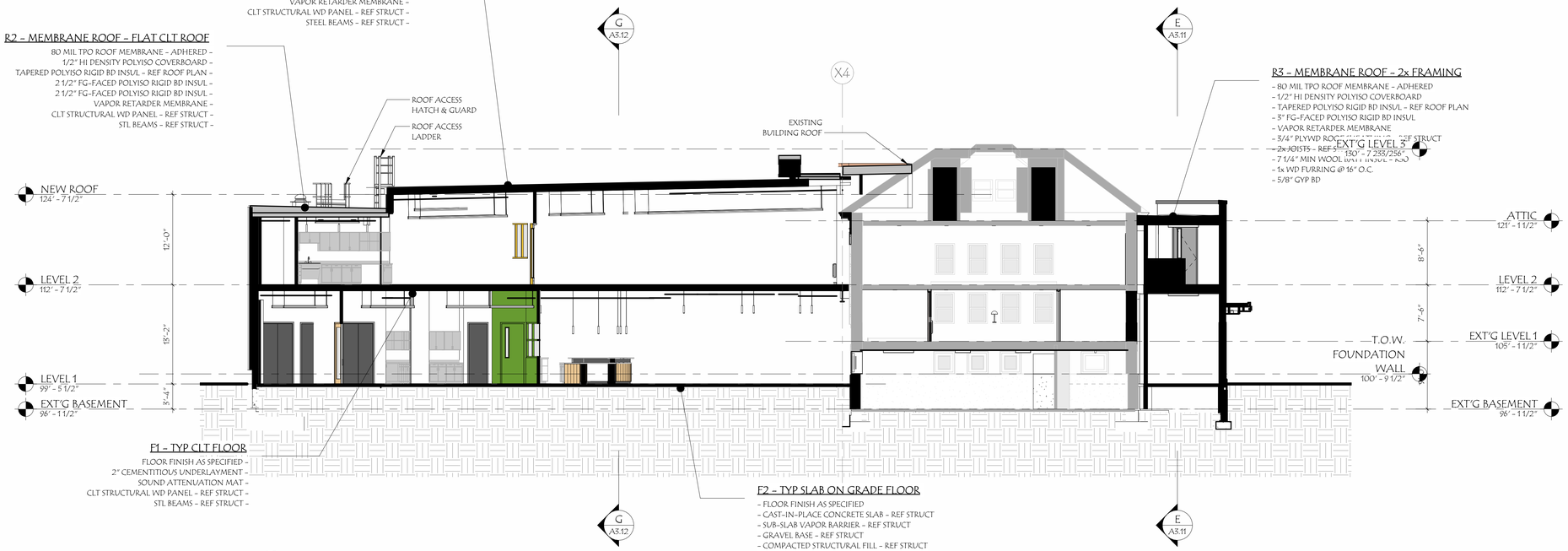
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	

A2.04

PRINTED: 1/24/2025 4:03:19 PM FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_JBARNETT222.rvt

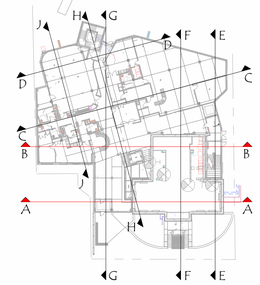


A A3.10 BUILDING SECTION A
1/8" = 1'-0"

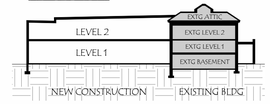


B A3.10 BUILDING SECTION B
1/8" = 1'-0"

KEY PLAN:



KEY SECTION:



38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

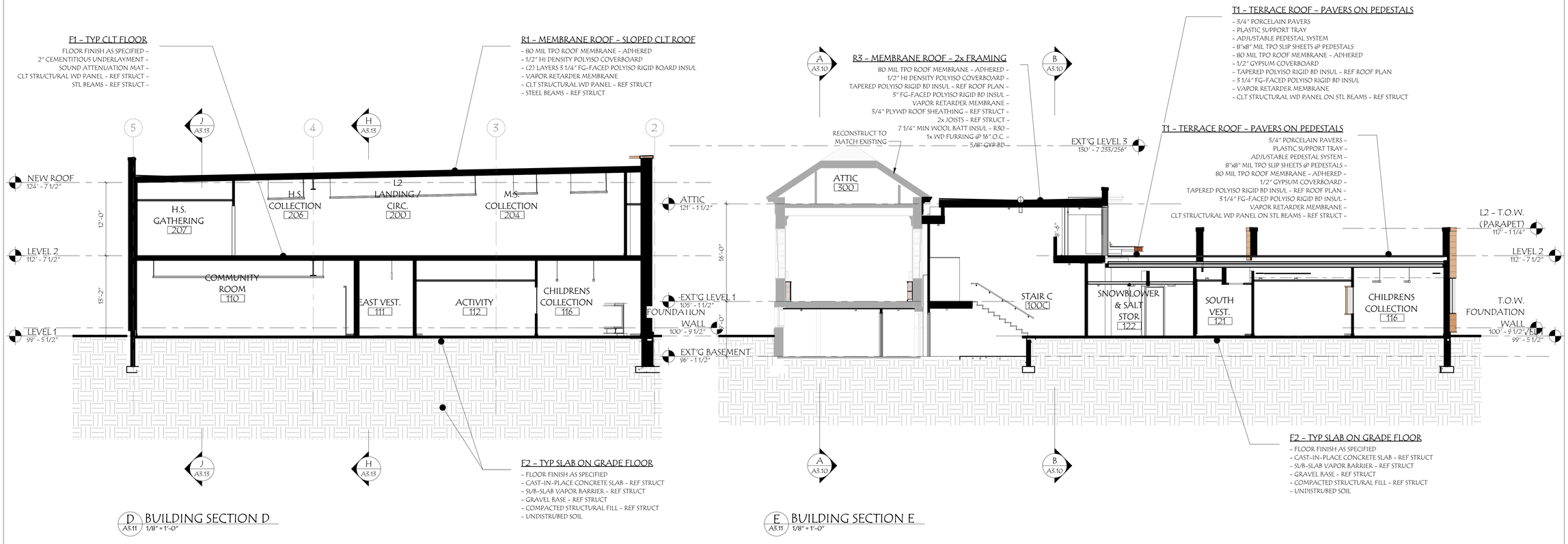
MIDDLEBURY, VERMONT

BUILDING SECTIONS

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	As indicated

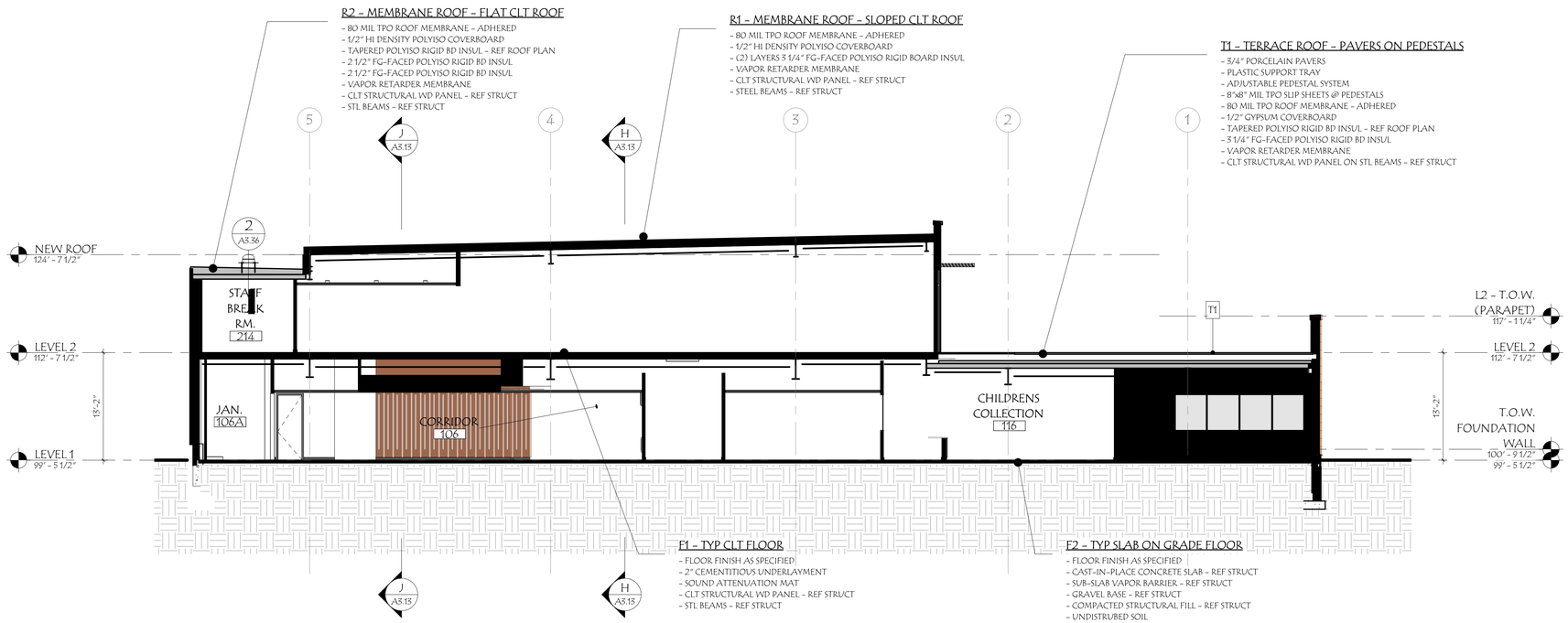
A3.10

PRINTED: 1/24/2025 4:26:21 PM FILENAME: C:\Users\dweisberger\Documents\2023018_ILSEY PUBLIC LIBRARY_R24_CD_dweisberger.rvt



D A3.11 BUILDING SECTION D
1/8" = 1'-0"

E A3.11 BUILDING SECTION E
1/8" = 1'-0"



C A3.11 BUILDING SECTION C
1/8" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

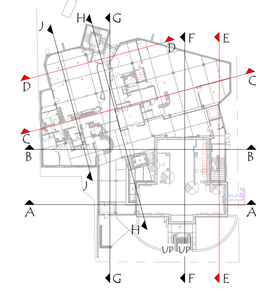
LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

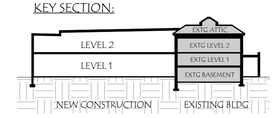
LICENSED ARCHITECT STEVEN M. ROY NO. 3020 STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

KEY PLAN:



KEY SECTION:



ILSLEY PUBLIC LIBRARY

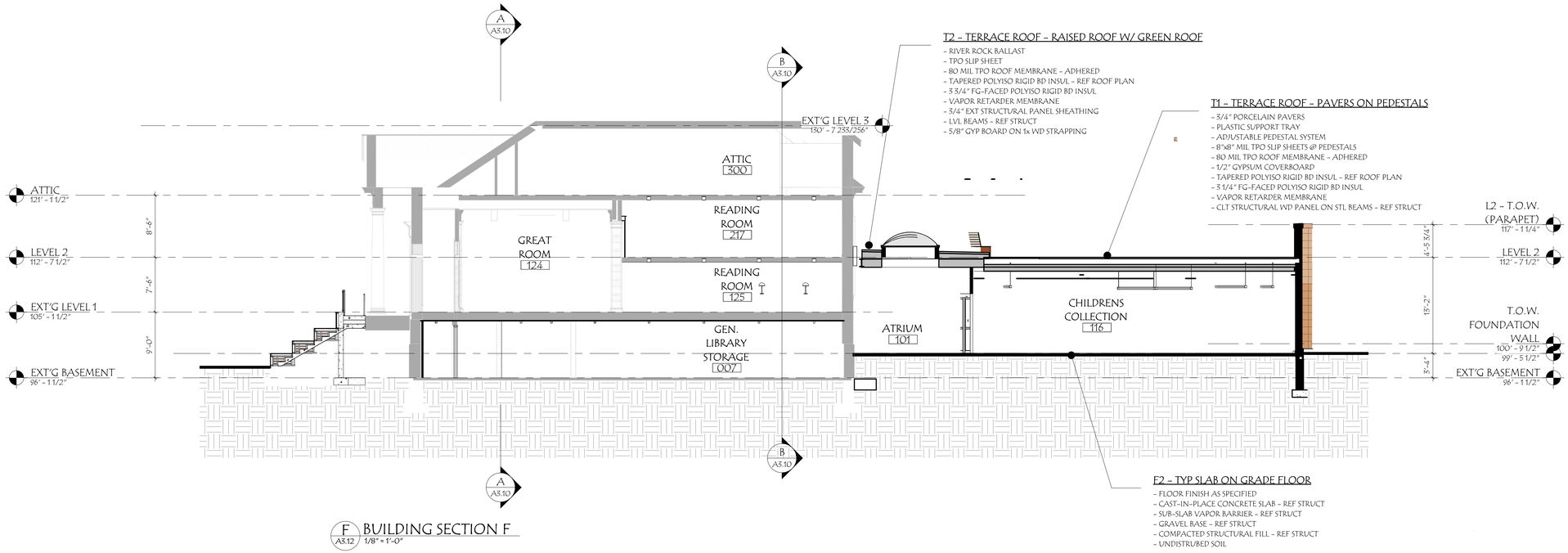
MIDDLEBURY, VERMONT

BUILDING SECTIONS

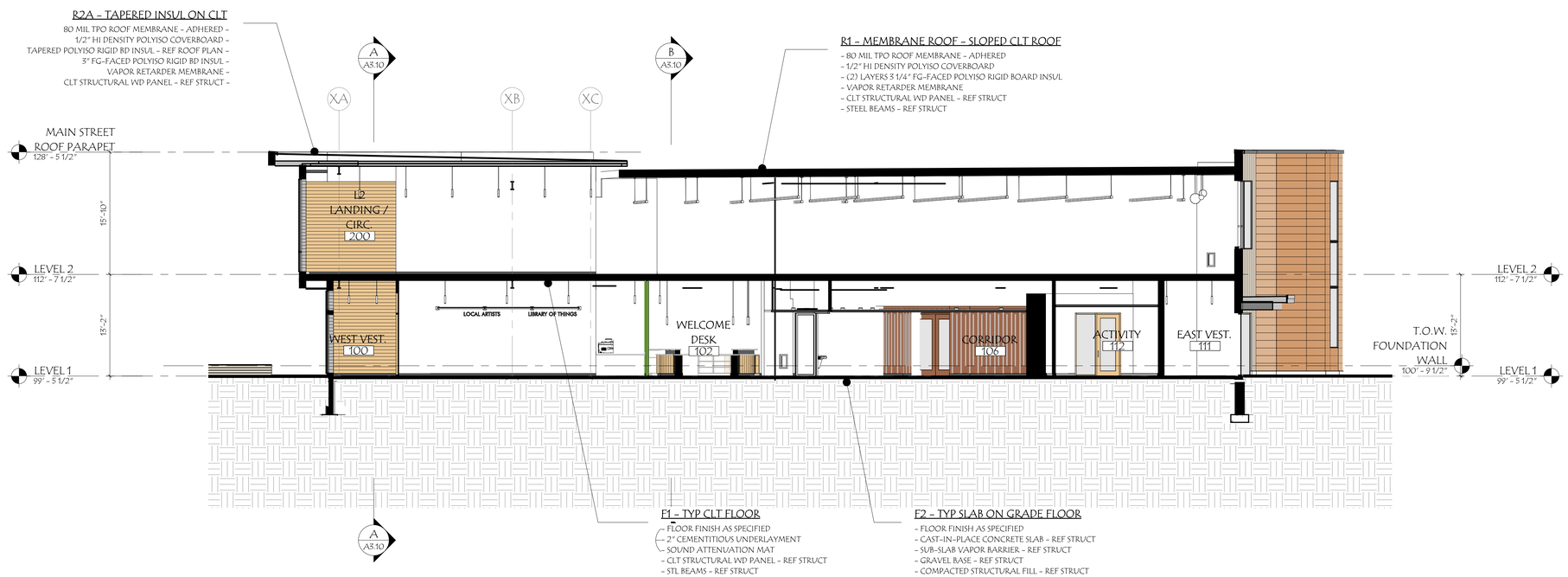
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	As indicated

A3.11

PRINTED: 1/24/2025 4:26:26 PM FILENAME: C:\Users\dweisberger\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_dweisberger.rvt

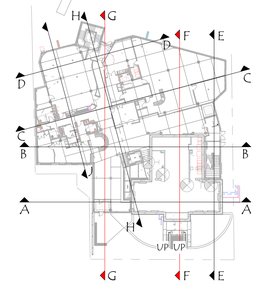


F A3.12 BUILDING SECTION F
1/8" = 1'-0"

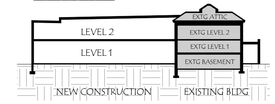


G A3.12 BUILDING SECTION G
1/8" = 1'-0"

KEY PLAN:



KEY SECTION:



WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M ROSE
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

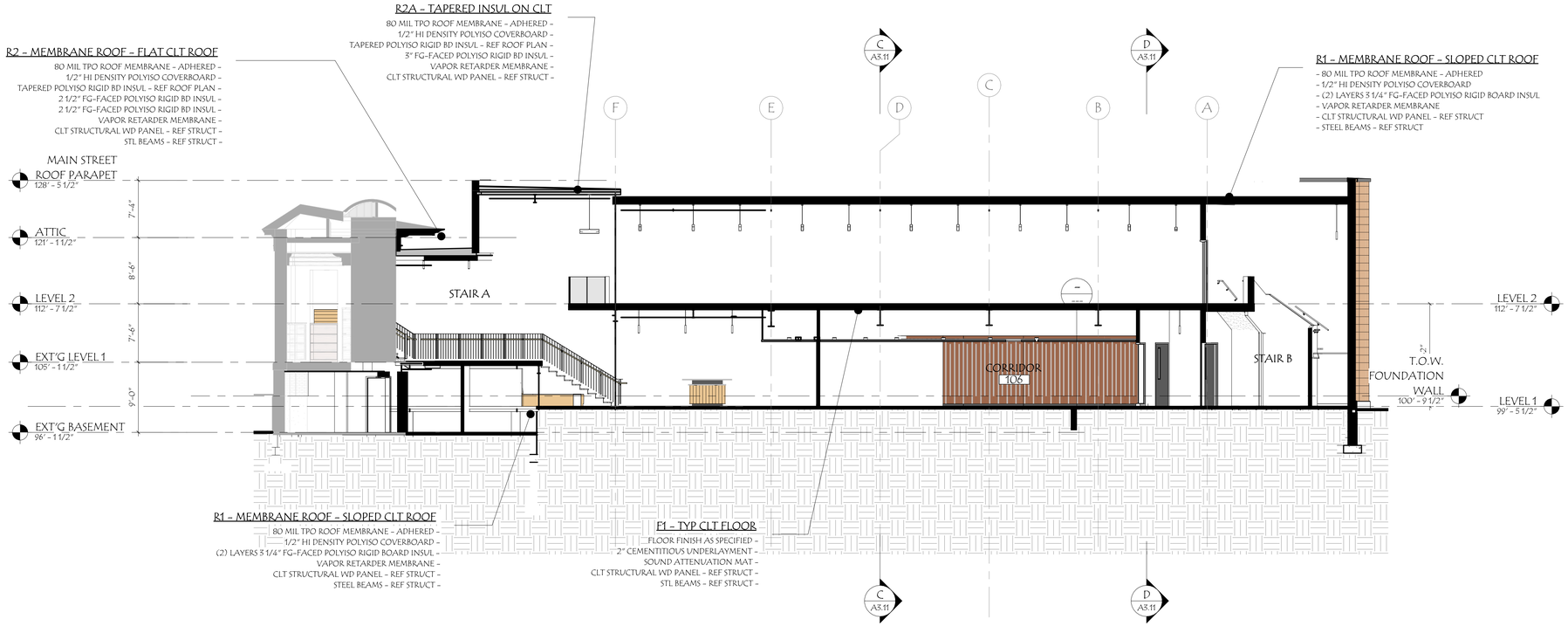
MIDDLEBURY, VERMONT

BUILDING SECTIONS

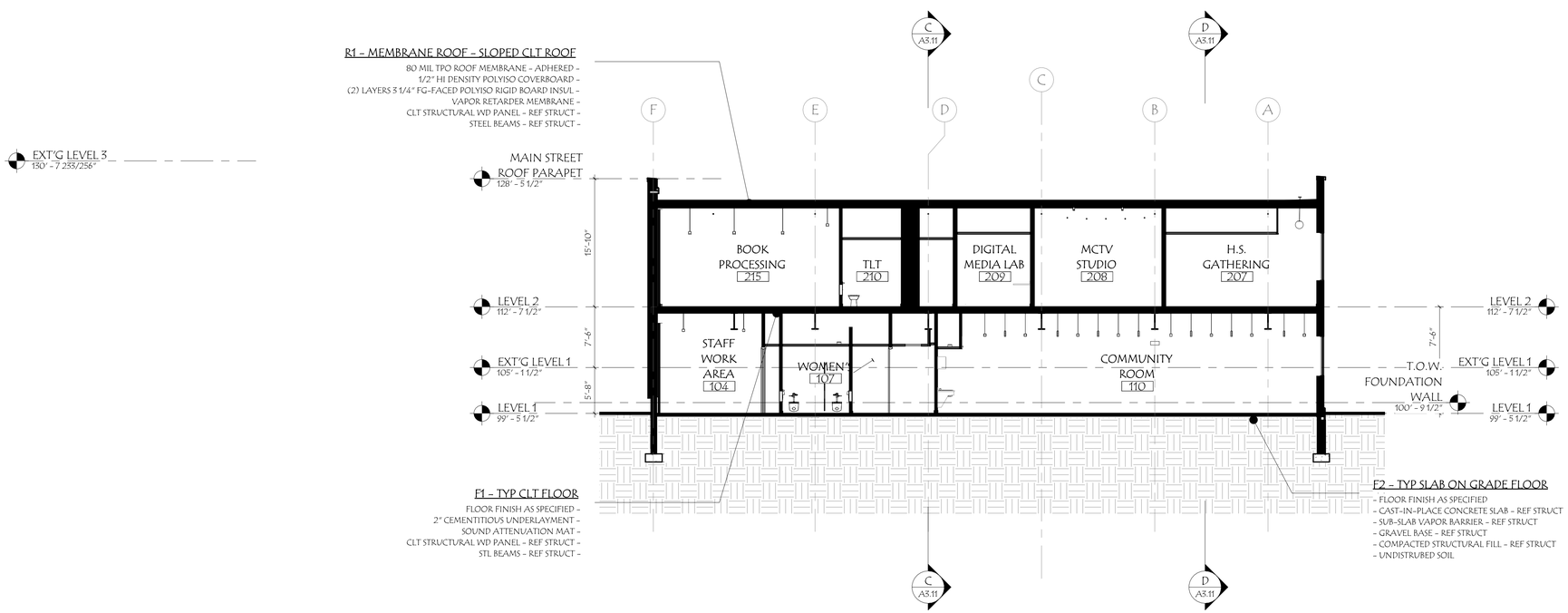
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	As indicated

A3.12

PRINTED: 1/24/2025 4:26:31 PM FILENAME: C:\Users\dweisberger\Documents\2023018_ILSEY PUBLIC LIBRARY_R24_CD_dweisberger.rvt

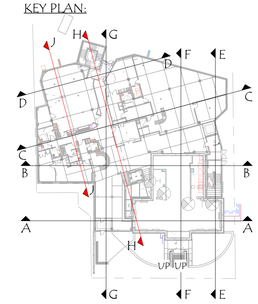


H A5.13 BUILDING SECTION H
1/8" = 1'-0"

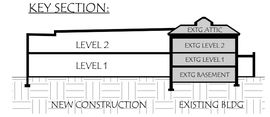


J A5.13 BUILDING SECTION J
1/8" = 1'-0"

KEY PLAN:



KEY SECTION:



WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

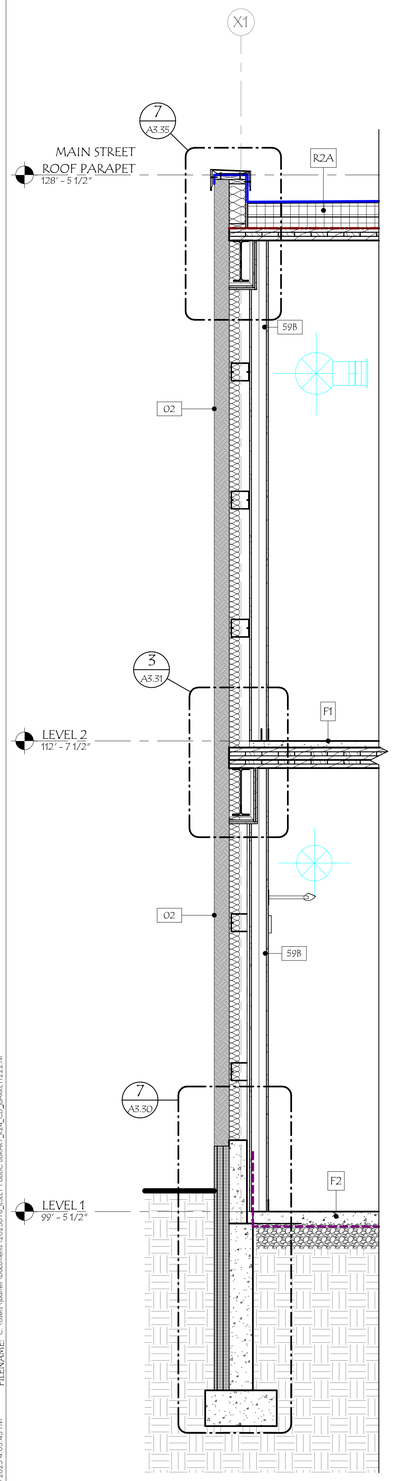
MIDDLEBURY, VERMONT

BUILDING SECTIONS

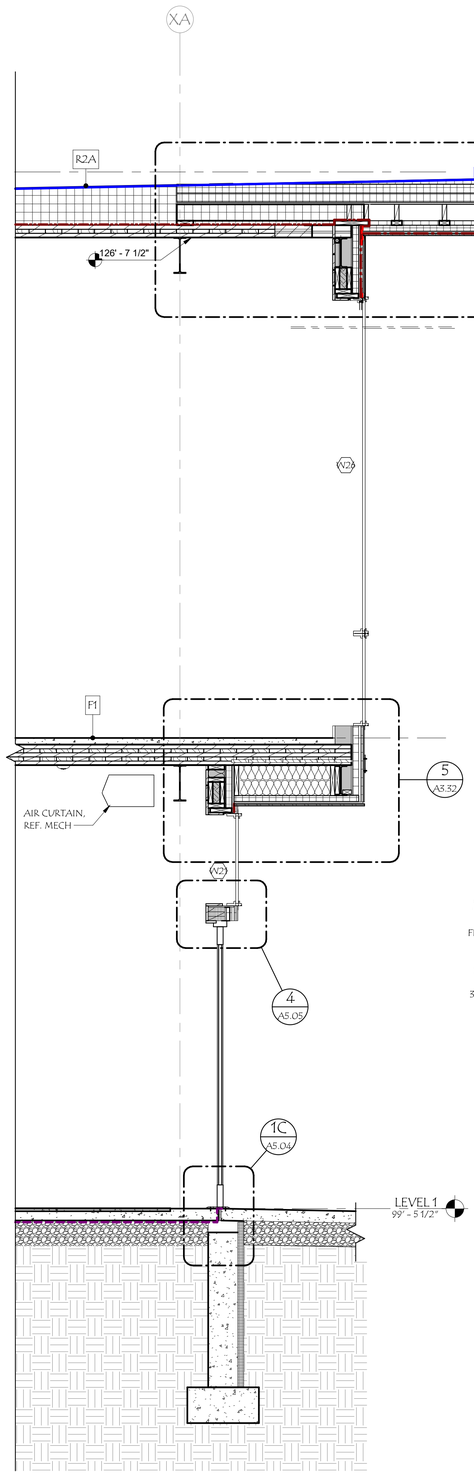
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	As indicated

A3.13

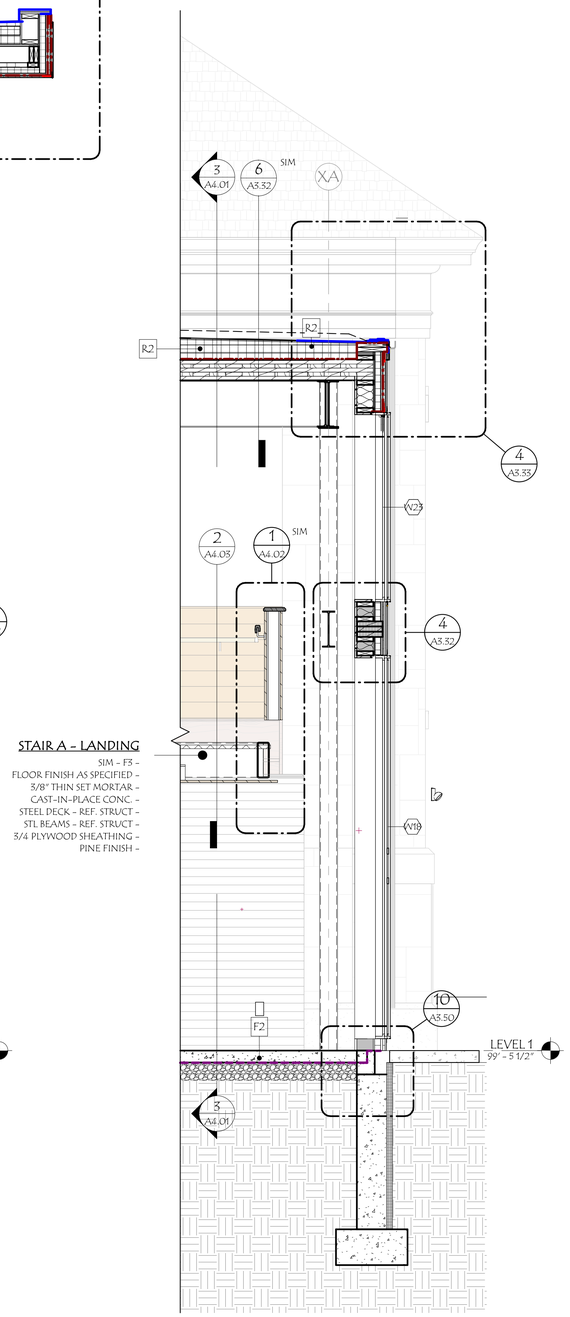
PRINTED: 1/24/2025 4:26:33 PM FILENAME: C:\Users\dweisberger\Documents\2023018_ILSEY PUBLIC LIBRARY_R24_CD_dweisberger.rvt



1 WALL SECTION
A3.20 1/2" = 1'-0"

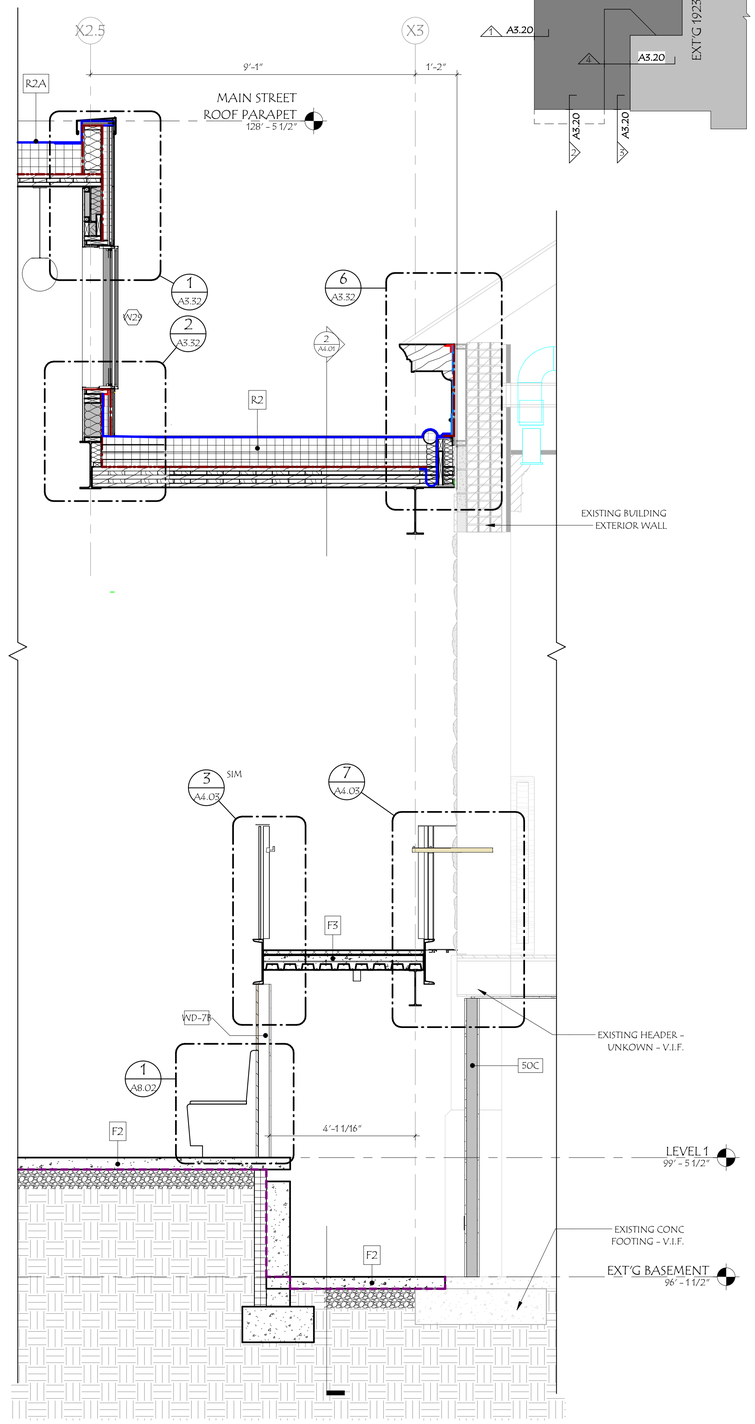


2 WALL SECTION
A3.20 1/2" = 1'-0"

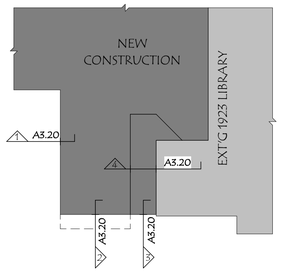


STAIR A - LANDING
SIM - F3 -
FLOOR FINISH AS SPECIFIED -
3/8" THIN SET MORTAR -
CAST-IN-PLACE CONC. -
STEEL DECK - REF. STRUCT -
STL BEAMS - REF. STRUCT -
3/4 PLYWOOD SHEATHING -
PINE FINISH -

3 WALL SECTION
A3.20 1/2" = 1'-0"



4 WALL SECTION
A3.20 1/2" = 1'-0"



WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

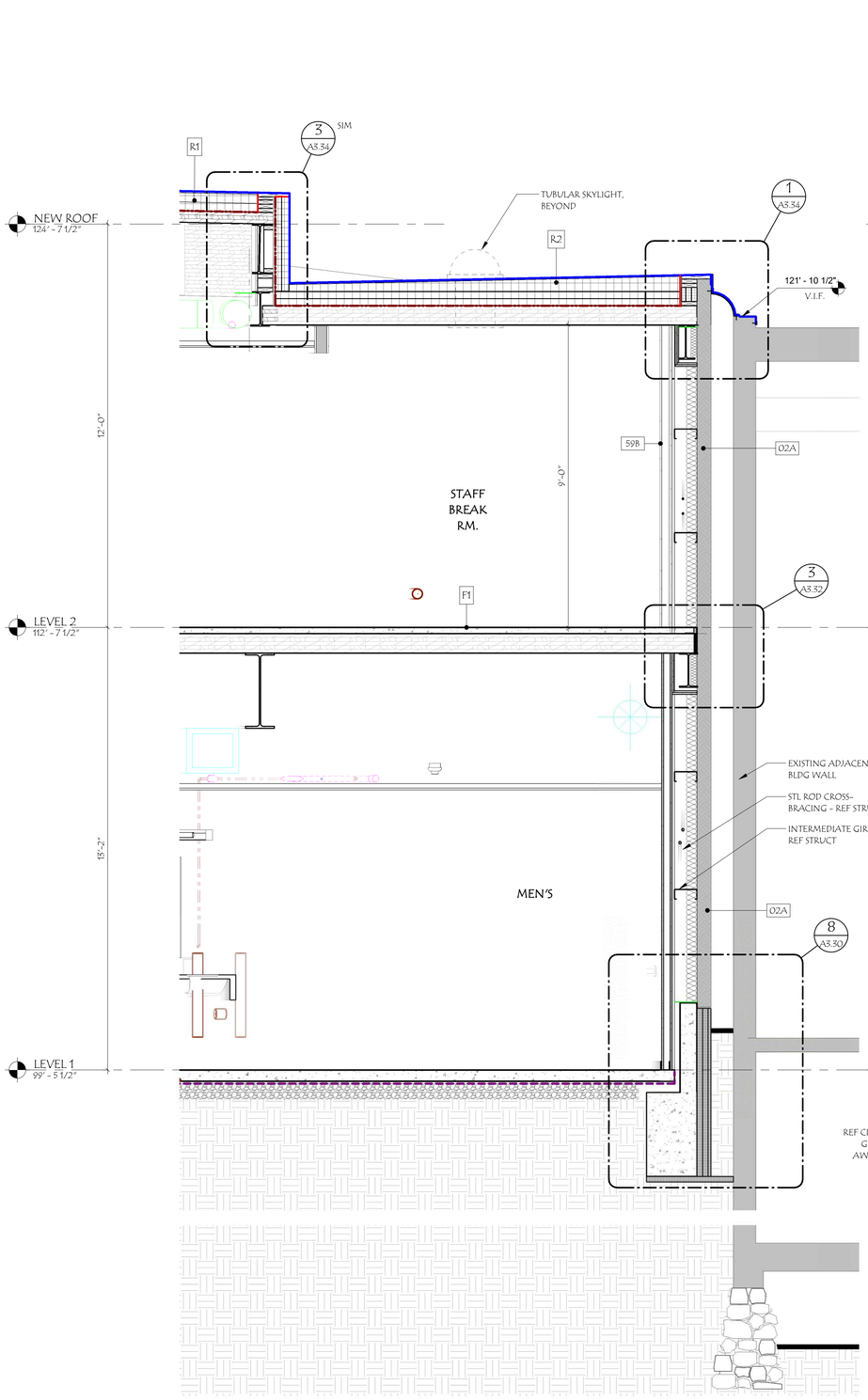
MIDDLEBURY, VERMONT

WALL SECTIONS

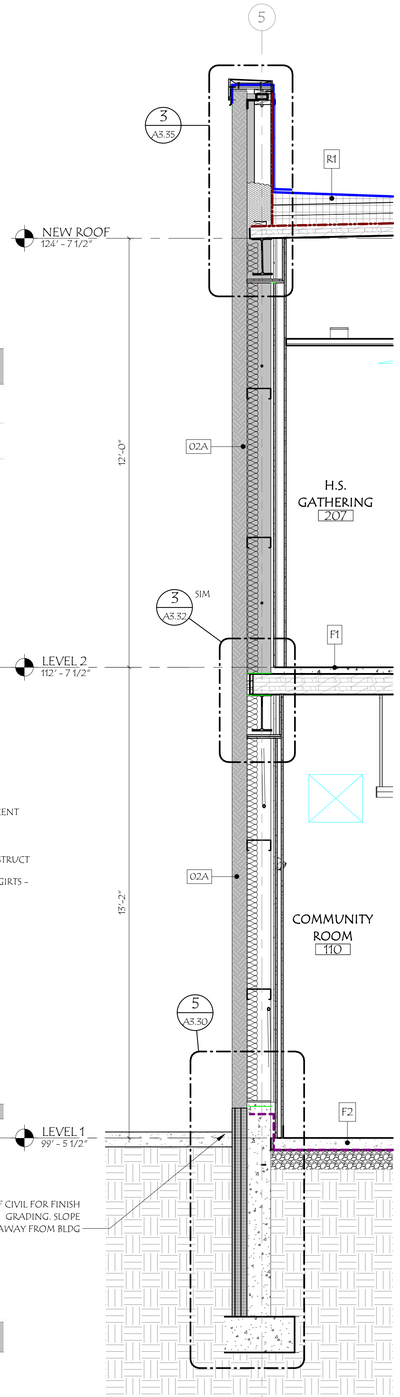
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	DW
SCALE:	As indicated

A3.20

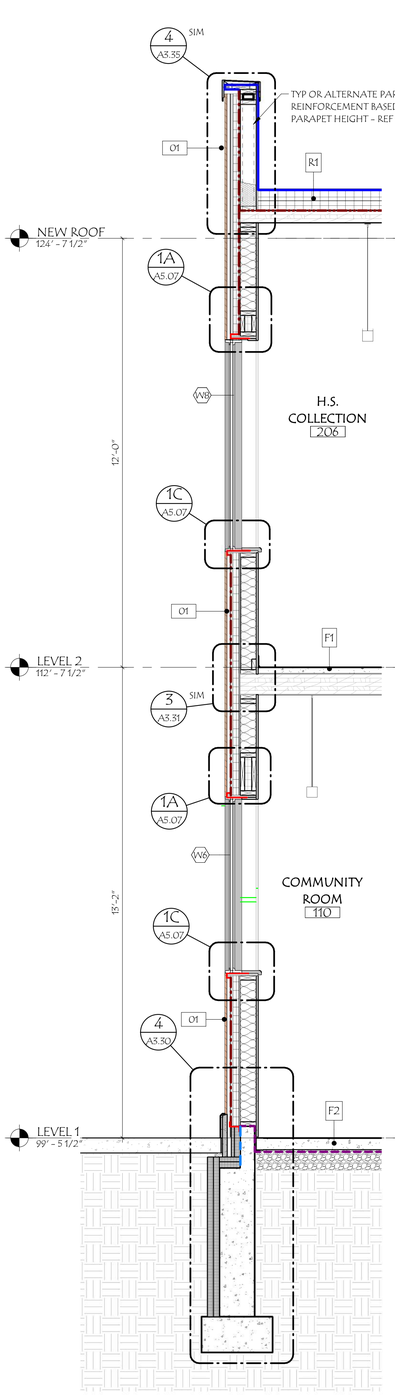
PRINTED: 1/24/2025 4:03:43 PM FILENAME: C:\Users\jbarnett\Documents\20230118_ILSEY PUBLIC LIBRARY_R24_CD_JBARRETT222.rvt



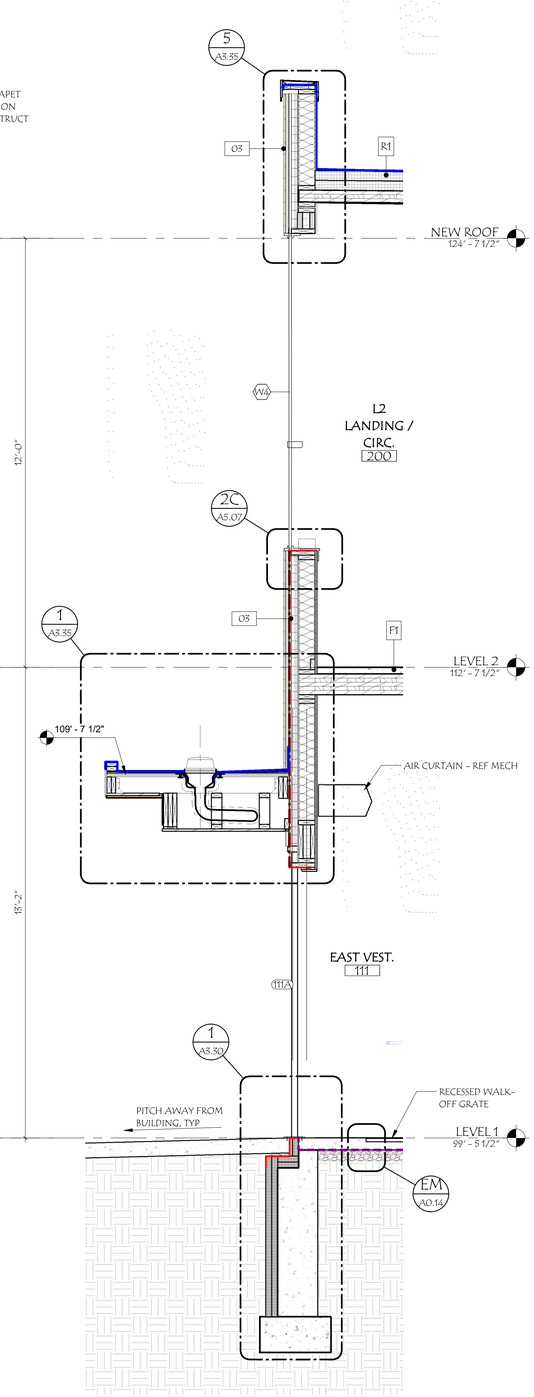
1 WALL SECTION
A3.21 1/2" = 1'-0"



2 WALL SECTION
A3.21 1/2" = 1'-0"



3 WALL SECTION
A3.21 1/2" = 1'-0"



4 WALL SECTION
A3.21 1/2" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANIA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. RAY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

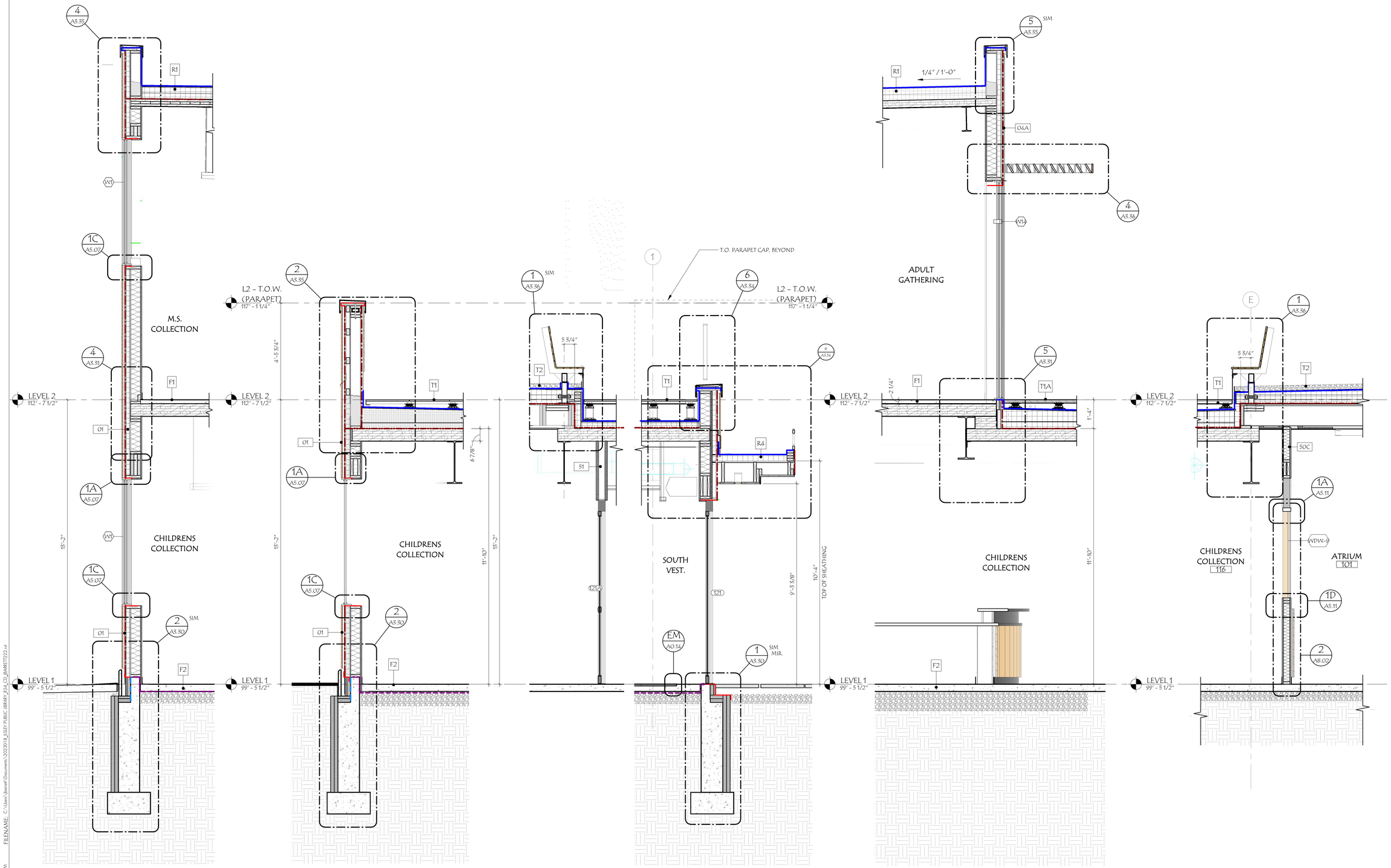
MIDDLEBURY, VERMONT

WALL SECTIONS

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	DW
SCALE:	1/2" = 1'-0"

A3.21

PRINTED: 1/24/2025 4:03:49 PM FILENAME: C:\Users\jbarnett\Documents\20230118_ILSLEY PUBLIC LIBRARY_R24_CD_JBARRETT222.rvt



1 WALL SECTION
A3.22 1/2" = 1'-0"

2 WALL SECTION
A3.22 1/2" = 1'-0"

3 WALL SECTION
A3.22 1/2" = 1'-0"

4 WALL SECTION
A3.22 1/2" = 1'-0"

5 WALL SECTION
A3.22 1/2" = 1'-0"

PRINTED: 1/24/2025 4:03:55 PM
FILENAME: C:\Users\jbarrett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_jBARRETT22.rvt

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANIA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST.
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. MAY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

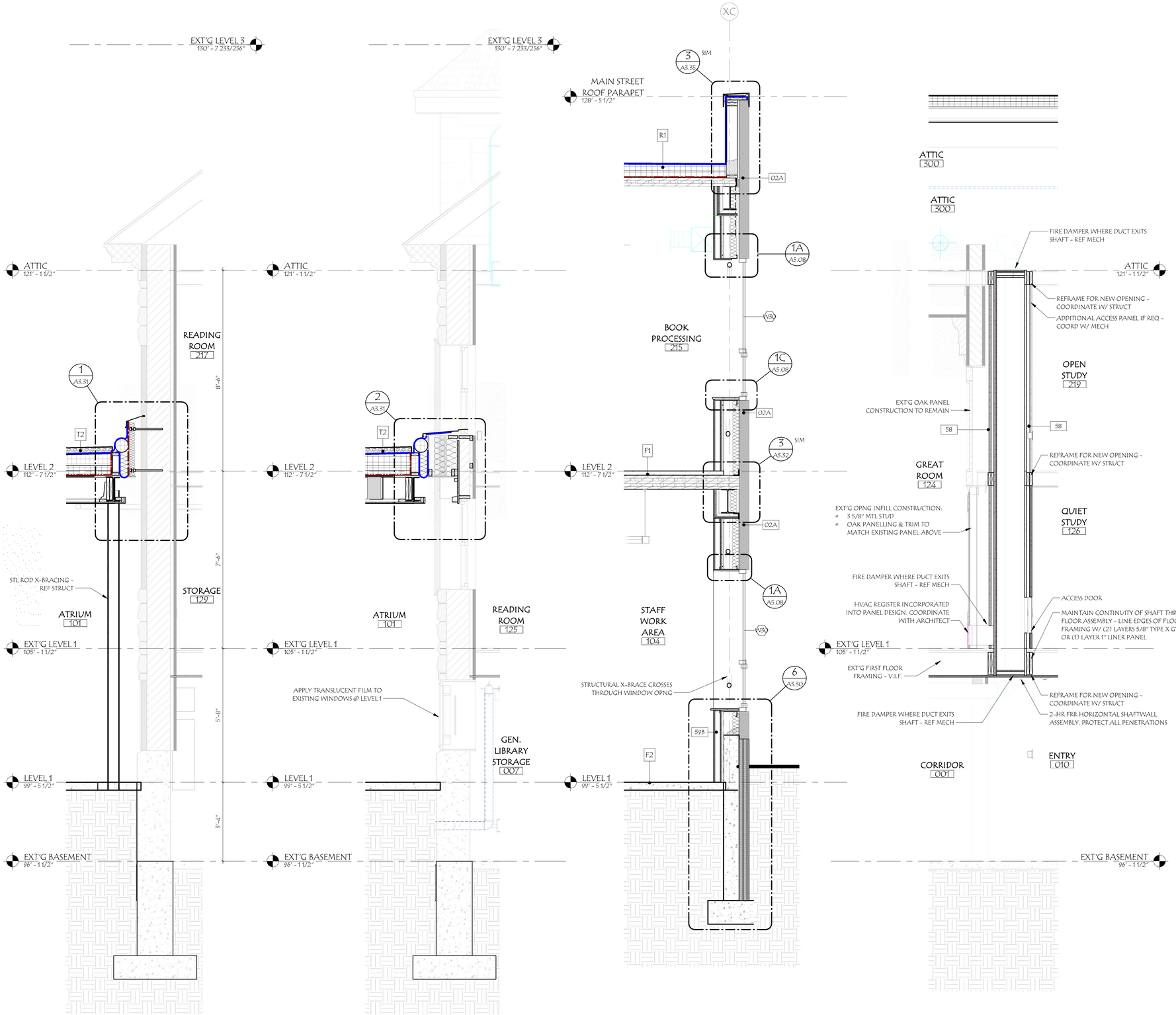
ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

WALL SECTIONS

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	DW
SCALE:	1/2" = 1'-0"

A3.22



1 A3.23 WALL SECTION 1/2" = 1'-0"

2 A3.23 WALL SECTION 1/2" = 1'-0"

3 A3.23 WALL SECTION 1/2" = 1'-0"

4 A3.23 WALL SECTION @ SHAFT 1/2" = 1'-0"

PRINTED: 1/24/2023 4:04:01 PM
FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_jbarnett122.rvt

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. JOY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

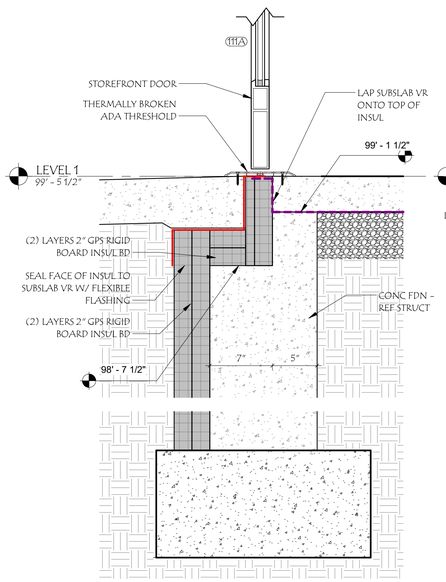
ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

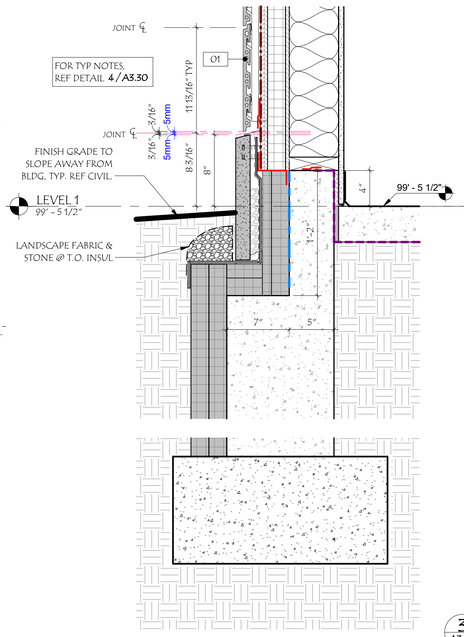
WALL SECTIONS

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SAR
DRAWN BY:	DW
SCALE:	1/2" = 1'-0"

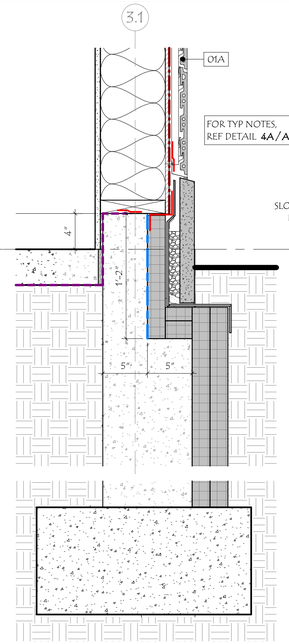
A3.23



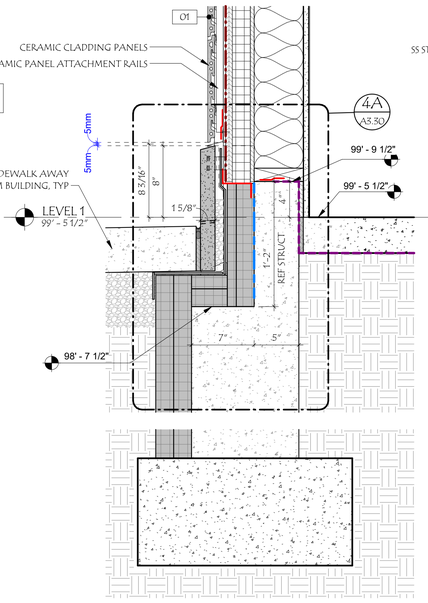
1 SECTION DETAIL @ ENTRY @ SOD FLOOR
A3.30 1 1/2" = 1'-0"



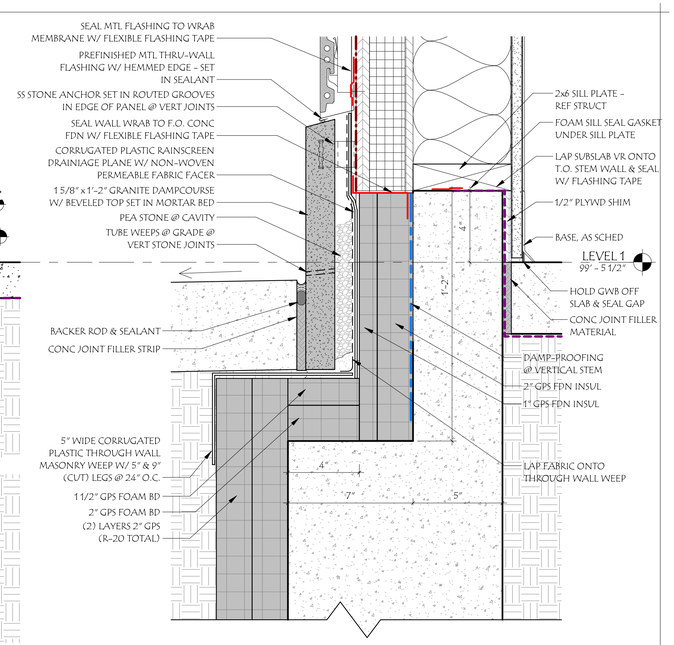
2 SECTION DETAIL @ BASE @ CT
A3.30 1 1/2" = 1'-0"
@ PLANTER BEDS



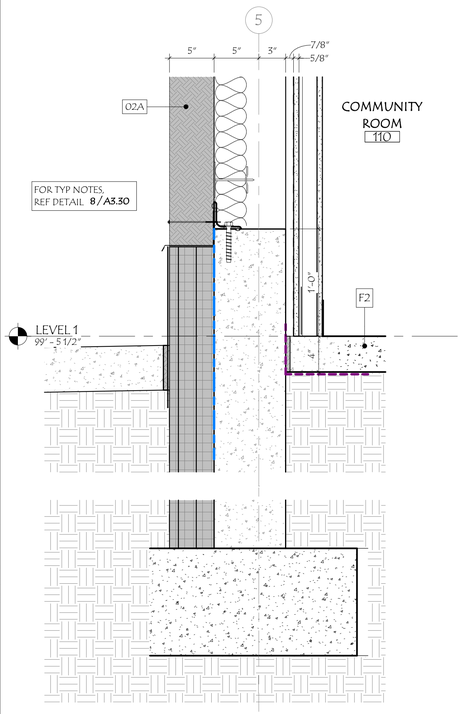
3 SECTION DETAIL @ BASE @ CT @ STAIR B
A3.30 1 1/2" = 1'-0"



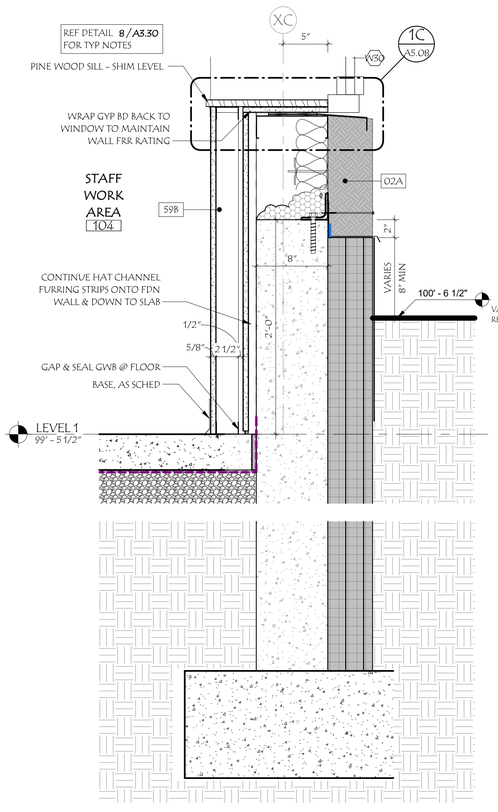
4 SECTION DETAIL @ BASE @ CT
A3.30 1 1/2" = 1'-0"
@ SIDEWALK



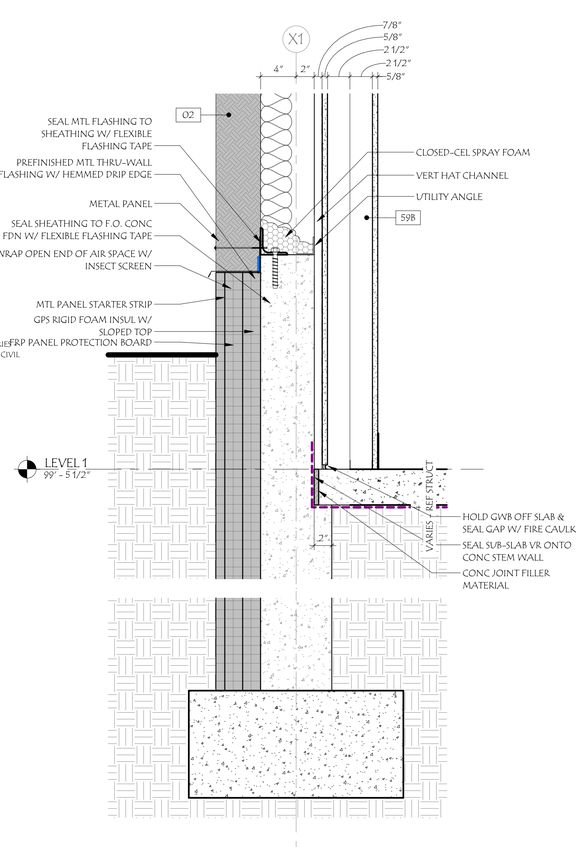
4A ENLARGED SECTION DETAIL @ BASE @ CT
A3.30 3" = 1'-0"



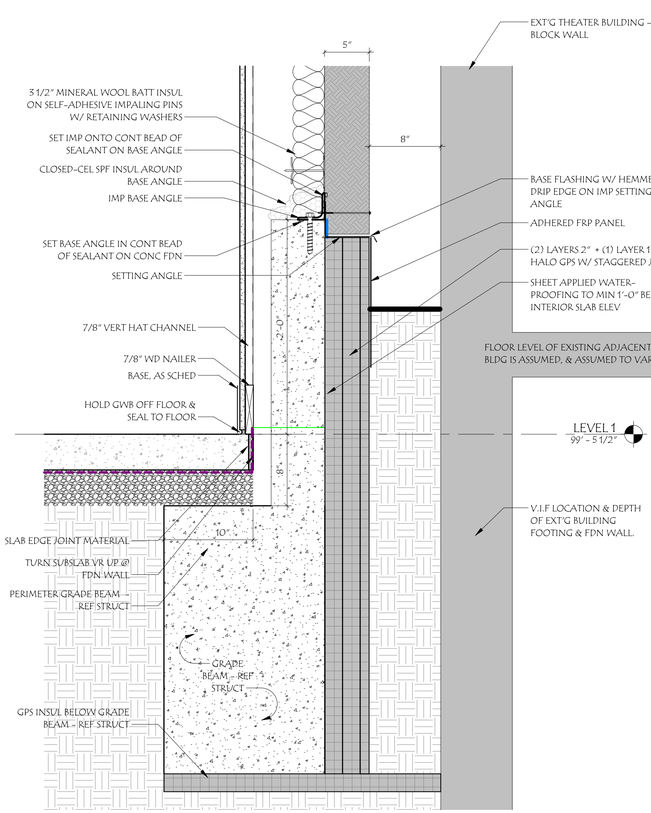
5 SECTION DETAIL - BASE OF WALL @ IMP
A3.30 1 1/2" = 1'-0"
@ COMMUNITY RM 110



6 SECTION DETAIL - BASE OF WALL @ IMP
A3.30 1 1/2" = 1'-0"
ALONG GRID XC



7 SECTION DETAIL - BASE OF WALL @ IMP
A3.30 1 1/2" = 1'-0"
@ GRID X1



8 SECTION DETAIL - BASE OF WALL @ IMP
A3.30 1 1/2" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT STEVEN M. WOT NO. 3020 STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

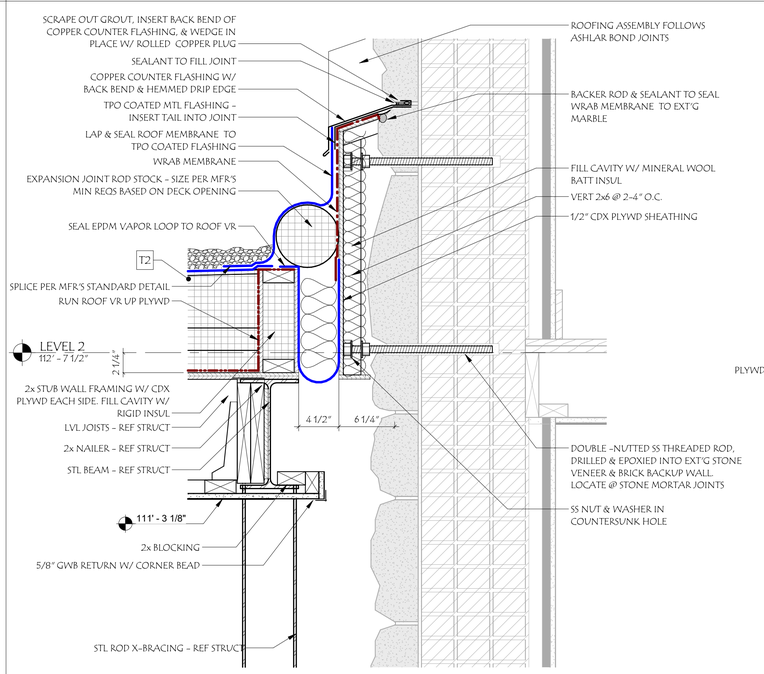
MIDDLEBURY, VERMONT

SECTION DETAILS - BASE

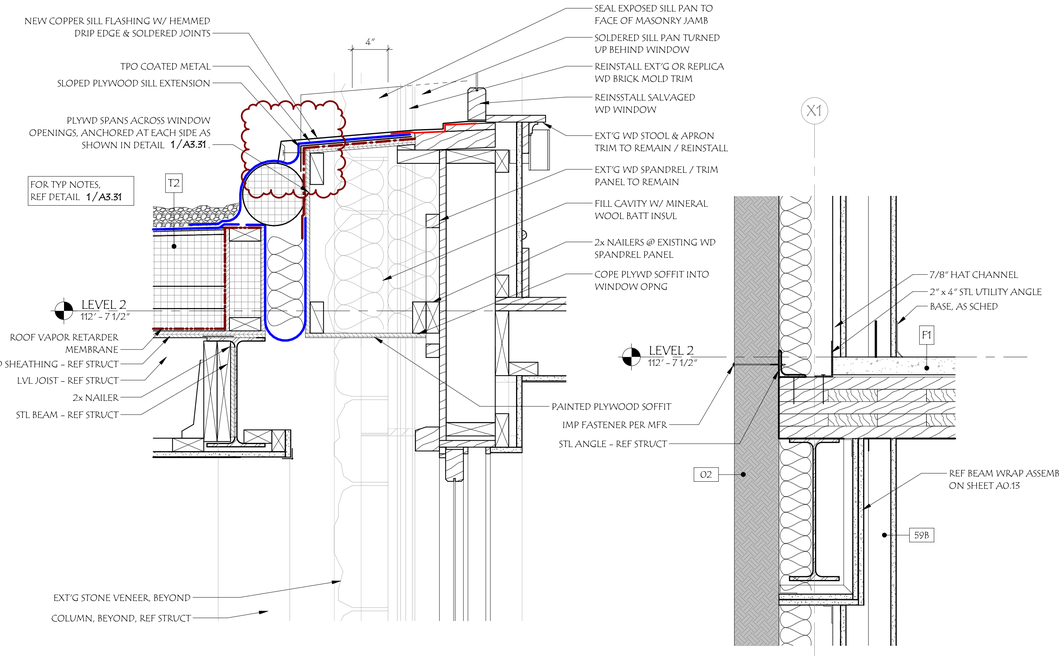
PROJECT NO:	202301.8
DATE:	1.24.25
CHECKED BY:	SWR
DRAWN BY:	DW
SCALE:	As indicated

A3.30

PRINTED: 1/24/2025 4:04:08 PM
FILENAME: C:\Users\jbonar\Documents\202301.8_ILSEY PUBLIC LIBRARY_R24_CD_BARRETT222.rvt

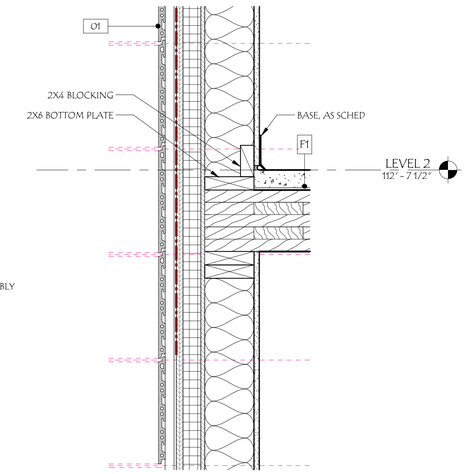


1 A3.31 SECTION DETAIL @ TERRACE @ EXT'G BLDG WALL
1 1/2" = 1'-0"

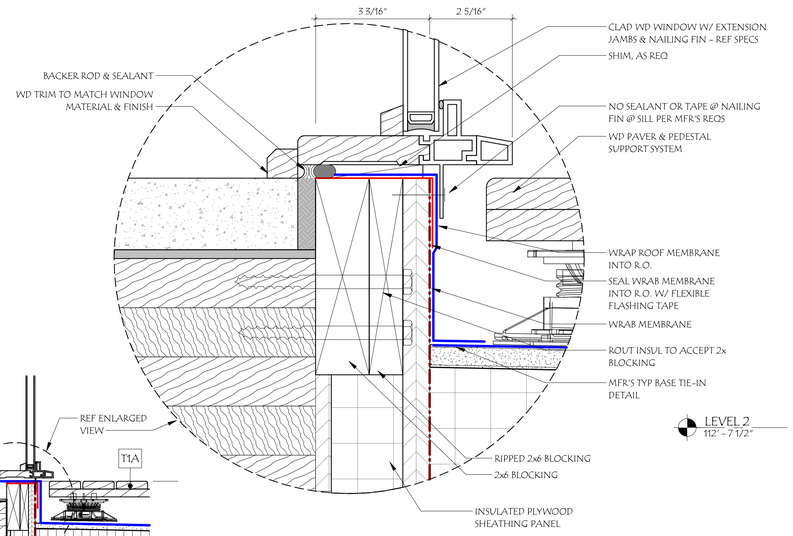


2 A3.31 SECTION DETAIL @ TERRACE @ EXT'G BLDG WINDOW
1 1/2" = 1'-0"

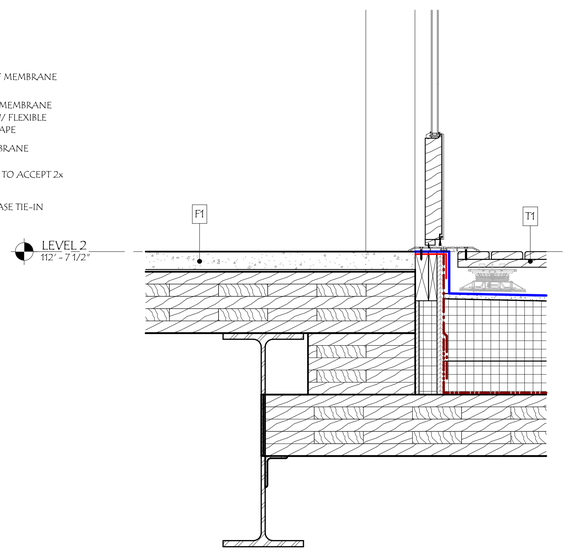
3 A3.31 SECTION DETAIL @ CLT FLOOR @ IMP
1 1/2" = 1'-0"



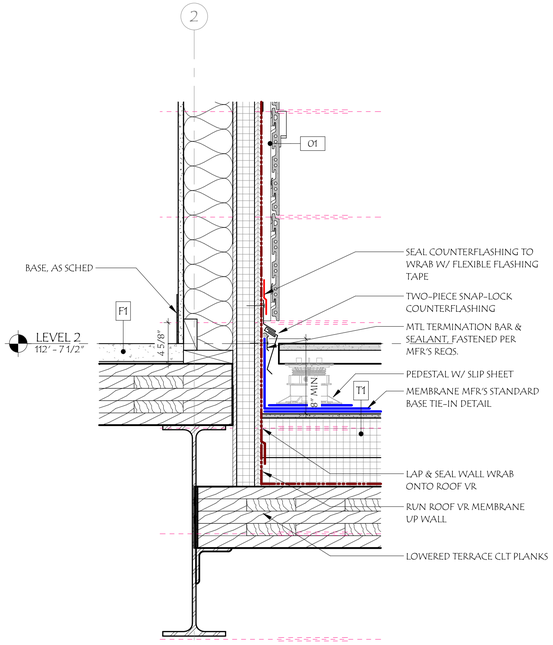
4 A3.31 SECTION DETAIL TYP @ CLT @ CT WALL
1 1/2" = 1'-0"



5 A3.31 SECTION DETAIL @ WINDOW SILL @ TERRACE
1 1/2" = 1'-0"



6 A3.31 SECTION DETAIL @ DOOR SILL @ ROOF TERRACE
1 1/2" = 1'-0"



7 A3.31 SECTION DETAIL @ WALL @ ROOF TERRACE
1 1/2" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT STEVEN M. ROY NO. 3020 STATE OF VERMONT

#	DATE	REVISION DESCRIPTION
SK	N/A	SKETCHES

ILSLEY PUBLIC LIBRARY

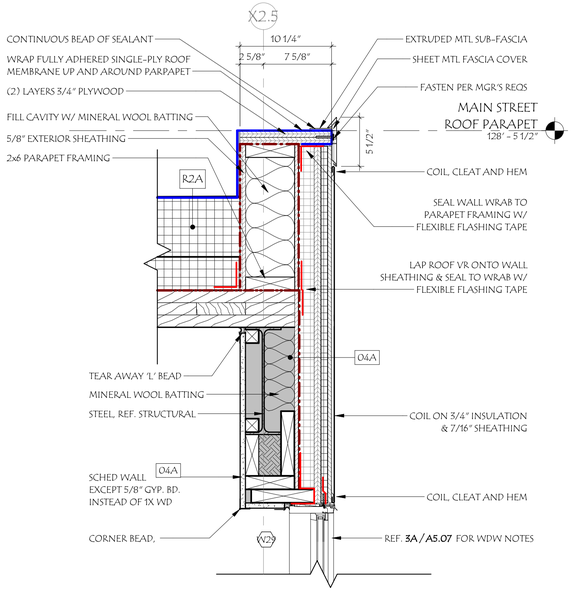
MIDDLEBURY, VERMONT

SECTION DETAILS - WALLS

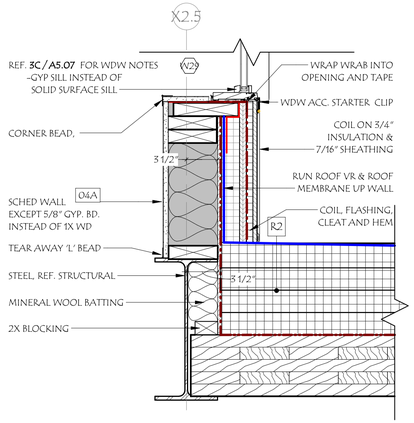
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	DW
SCALE:	As indicated

A3.31

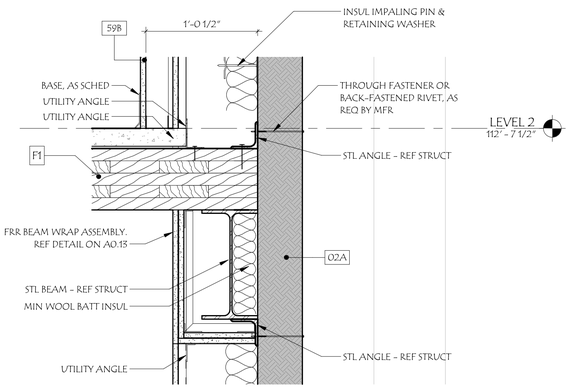
PRINTED: 1/24/2025 4:04:09 PM FILENAME: C:\Users\jlbarnet\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_BARRETT222.rvt



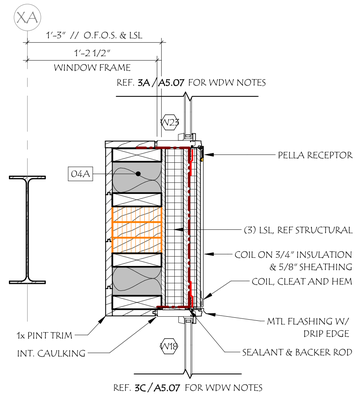
1 A3.32 SECTION DETAIL @ PARAPET @ MAIN ST ENTRY LOW ROOF
1 1/2" = 1'-0"



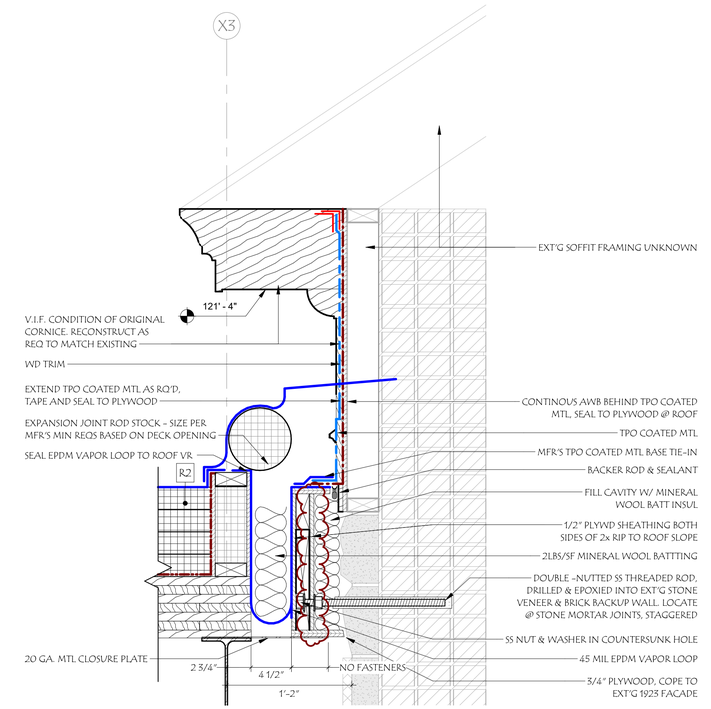
2 A3.32 SECTION DETAIL @ WINDOW @ MAIN ST ENTRY LOW ROOF
1 1/2" = 1'-0"



3 A3.32 SECTION DETAIL @ FLOOR @ IMP WALL
1 1/2" = 1'-0"

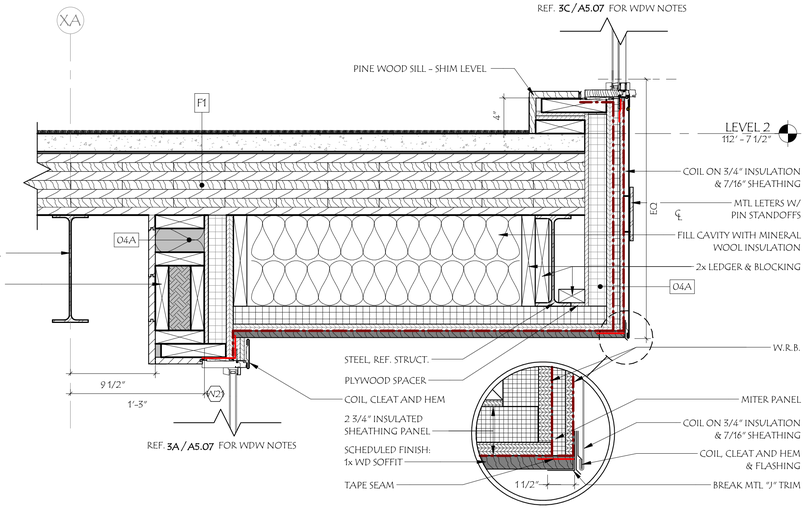


4 A3.32 MAIN ST. WINDOW - KNIFE PLATE SECTION DETAIL
1 1/2" = 1'-0"

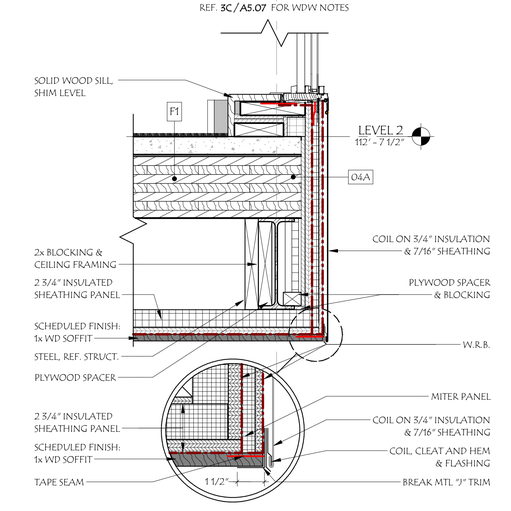


6 A3.32 SECTION DETAIL @ LOW ROOF EXPANSION JOINT @ EXT'G BLDG
1 1/2" = 1'-0"

16' - 1 11/128"



5 A3.32 SECTION DETAIL @ MAIN STREET ENTRY - LOW CANOPY
1 1/2" = 1'-0"



7 A3.32 L2 FLOOR EDGE
1 1/2" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT STEVEN M. WOLF NO. 3020 STATE OF VERMONT

#	DATE	REVISION DESCRIPTION
SK	N/A	SKETCHES

ILSLEY PUBLIC LIBRARY

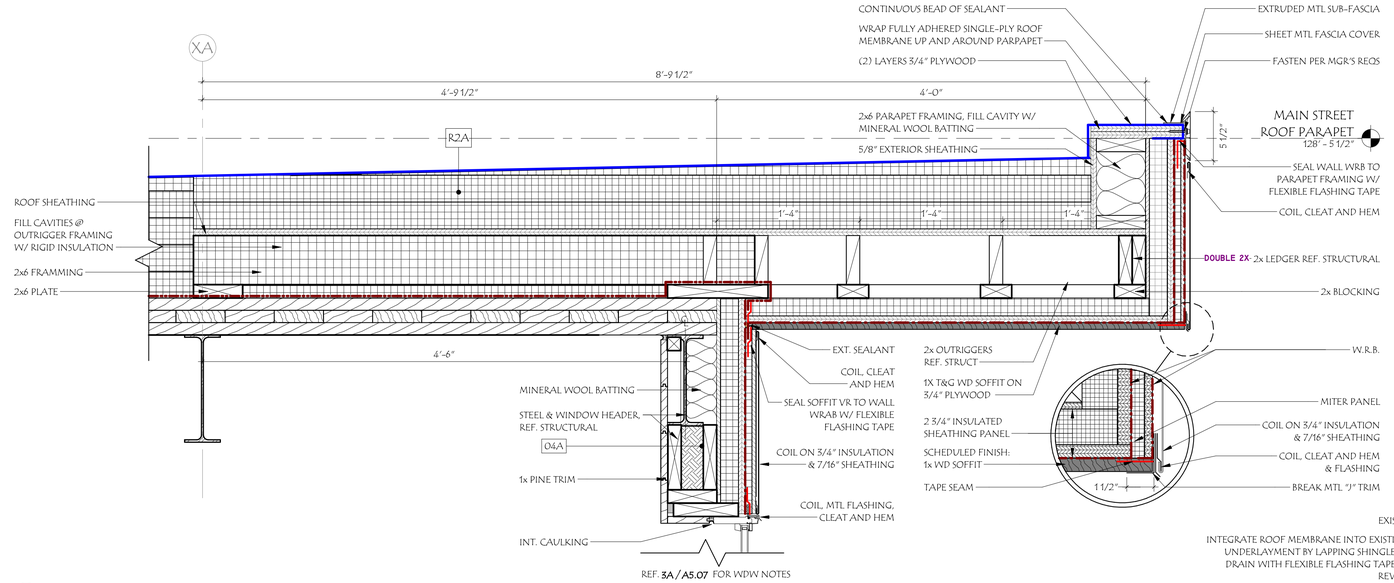
MIDDLEBURY, VERMONT

SECTION DETAILS - WALLS & ROOF

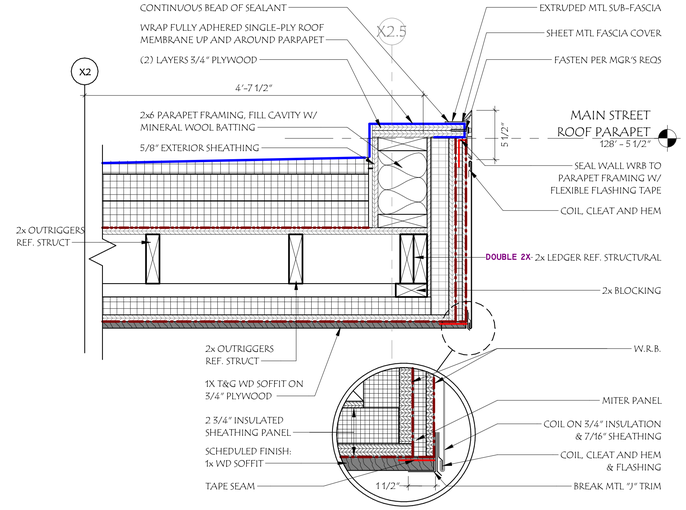
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMW
DRAWN BY:	DW / JB
SCALE:	1 1/2" = 1'-0"

A3.32

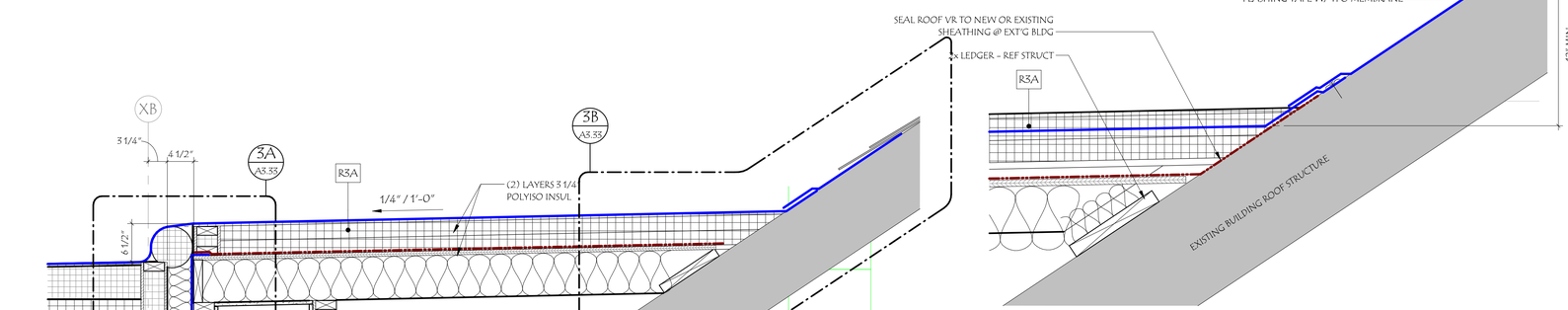
PRINTED: 1/24/2025 4:04:10 PM
FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_JBARRETT222.rvt



1 A3.33 SECTION DETAIL @ WEST ENTRY CANOPY OVERHANG - FRONT
1 1/2" = 1'-0"

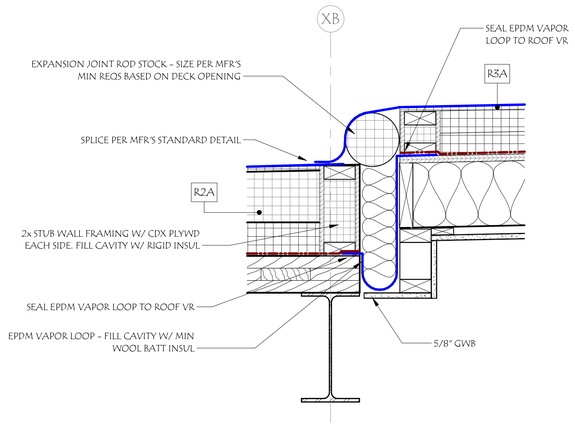


2 A3.33 SECTION DETAIL @ WEST ENTRY CANOPY OVERHANG - SIDE
1 1/2" = 1'-0"

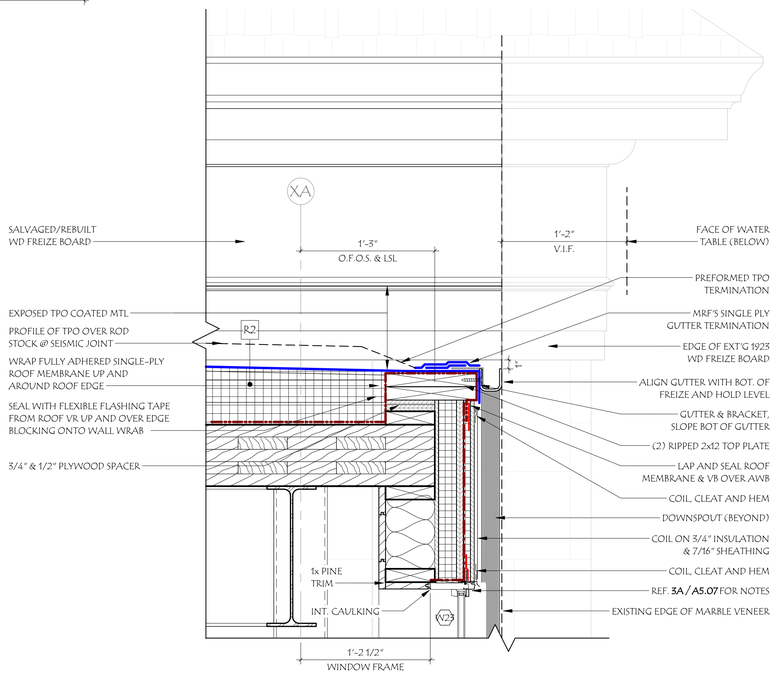


3B A3.33 ENLARGED SECTION DETAIL
1 1/2" = 1'-0"

3 A3.33 SECTION DETAIL @ ROOF OVERBUILD & SEISMIC JOINT
1" = 1'-0"



3A A3.33 ENLARGED SECTION DETAIL
1 1/2" = 1'-0"



4 A3.33 SECTION DETAIL @ WEST ENTRY - LOW ROOF EDGE DETAIL
1 1/2" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST.
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT STEVEN M. ROY NO. 3020 STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

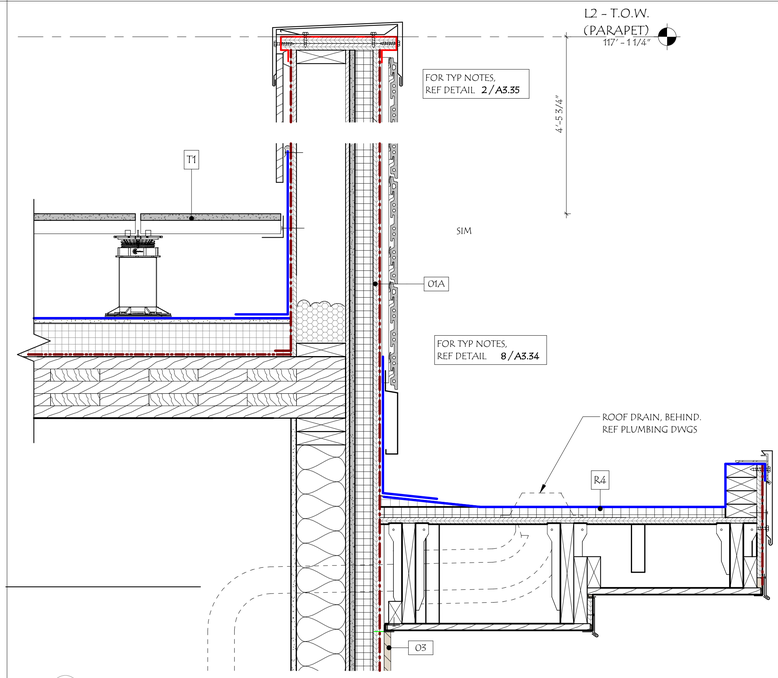
N

SECTION DETAILS - ROOF

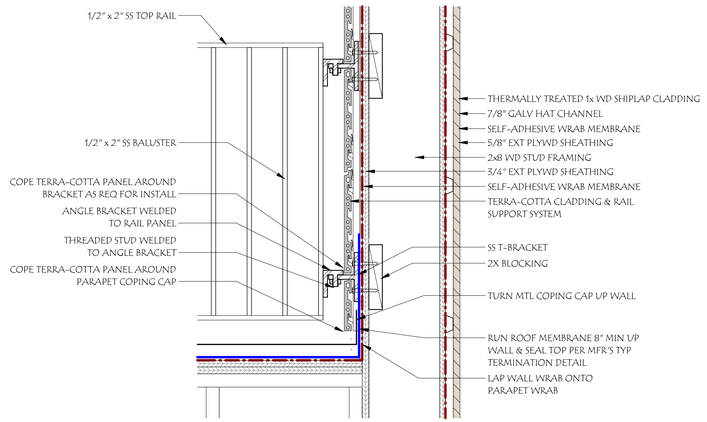
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	DW / JB
SCALE:	As indicated

A3.33

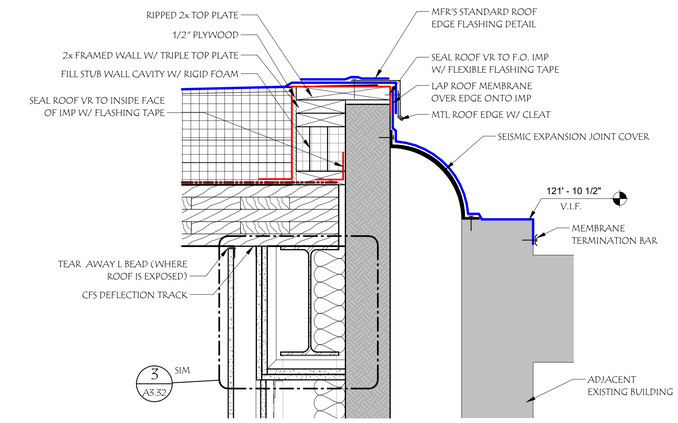
FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_jbARRETT222.rvt
PRINTED: 1/24/2025 4:04:14 PM



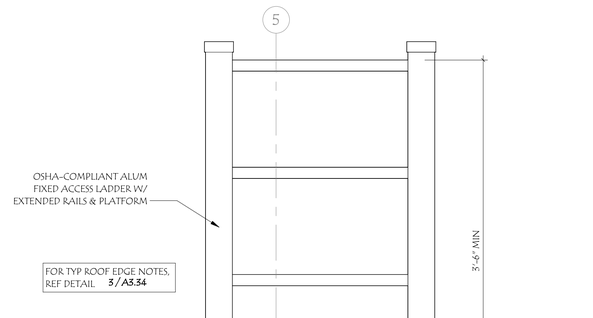
1 7 A3.34 SECTION DETAIL @ SOUTH ENTRY CANOPY & PARAPET
1 1/2" = 1'-0"

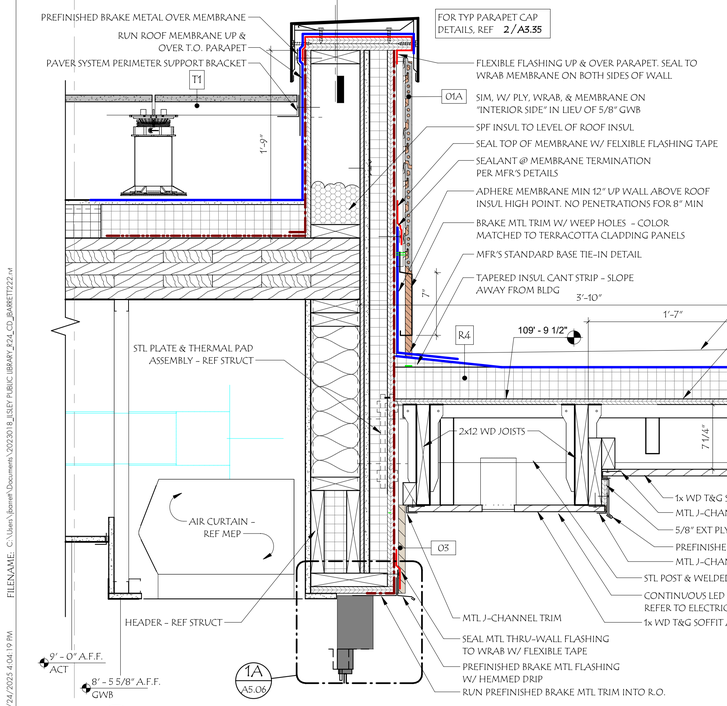


4 A3.34 SECTION DETAIL @ RAILING MOUNT
1 1/2" = 1'-0"

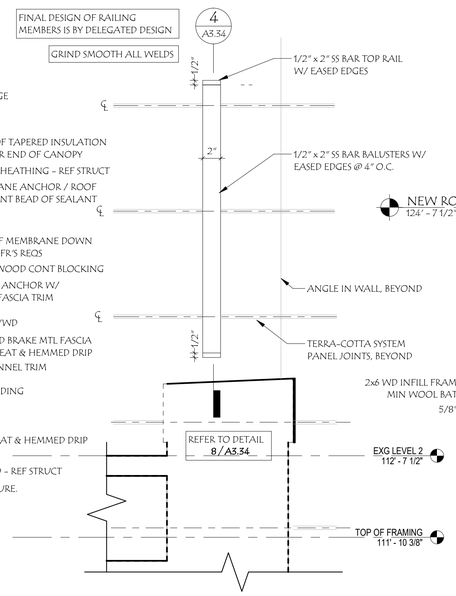


1 A3.34 SECTION DETAIL @ ROOF EDGE
1 1/2" = 1'-0"

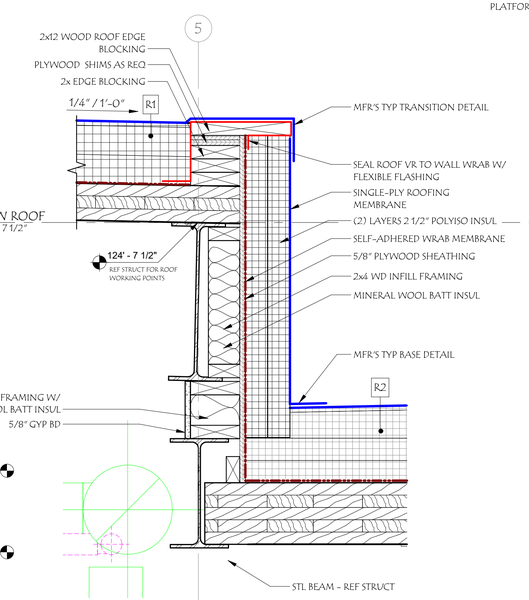




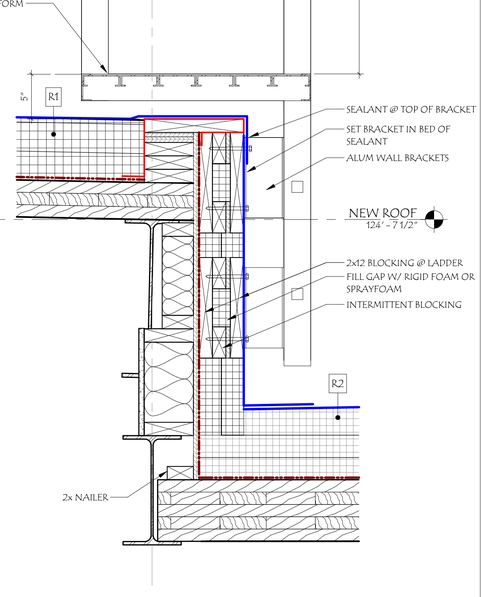
8 A3.34 SECTION DETAIL @ SOUTH ENTRY CANOPY & RAILING
1 1/2" = 1'-0"



6 A3.34 SECTION DETAIL @ TERRACE RAILING
1 1/2" = 1'-0"



3 A3.34 SECTION DETAIL @ MAIN ROOF TRANSITION
1 1/2" = 1'-0"



2 A3.34 SECTION DETAIL @ ROOF LADDER
1 1/2" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. WOLF
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

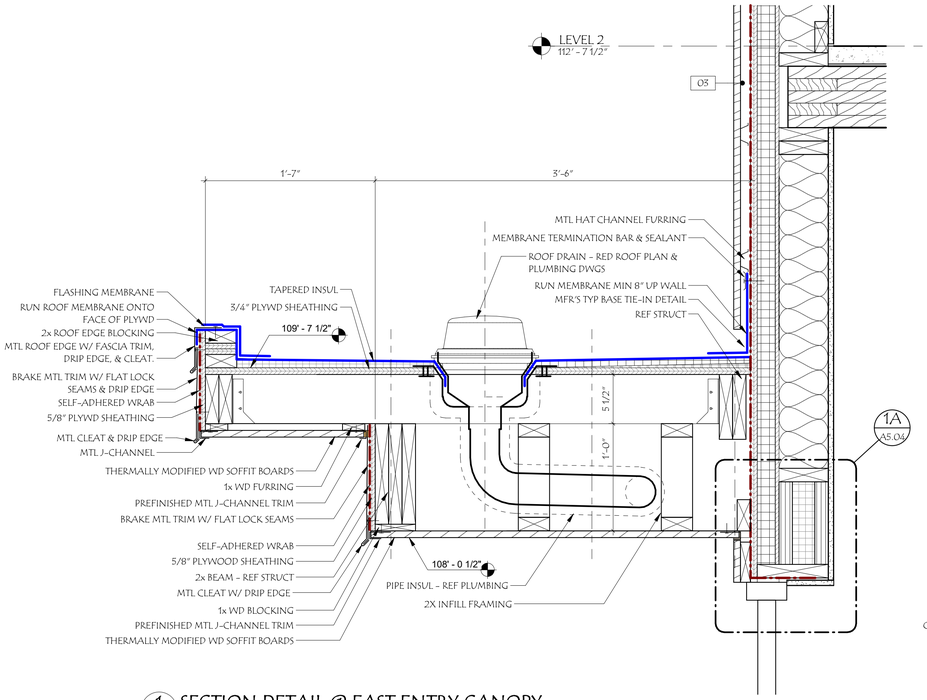
MIDDLEBURY, VERMONT

SECTION DETAILS - ROOF

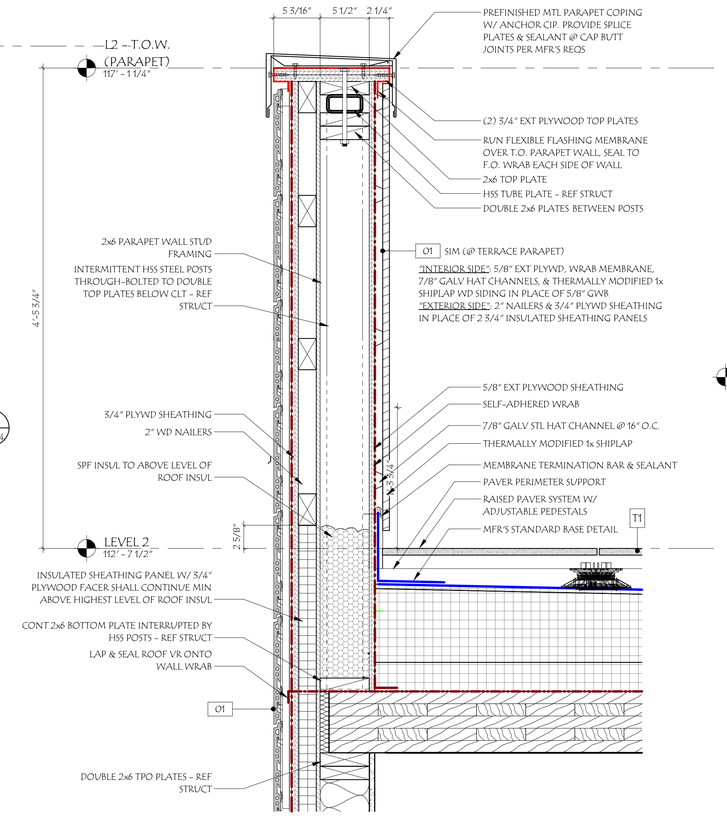
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SWR
DRAWN BY:	DW
SCALE:	1 1/2" = 1'-0"

A3.34

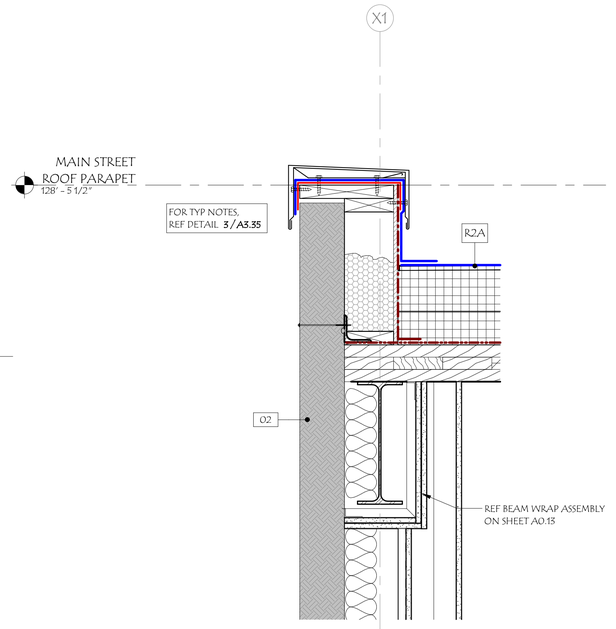
PRINTED: 1/24/2025 4:04:19 PM
FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_JBARNETT22.rvt



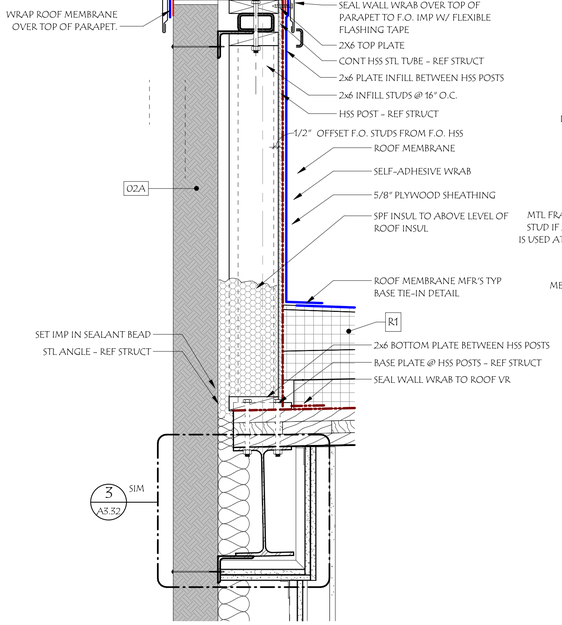
1 SECTION DETAIL @ EAST ENTRY CANOPY
A3.35 1 1/2" = 1'-0"



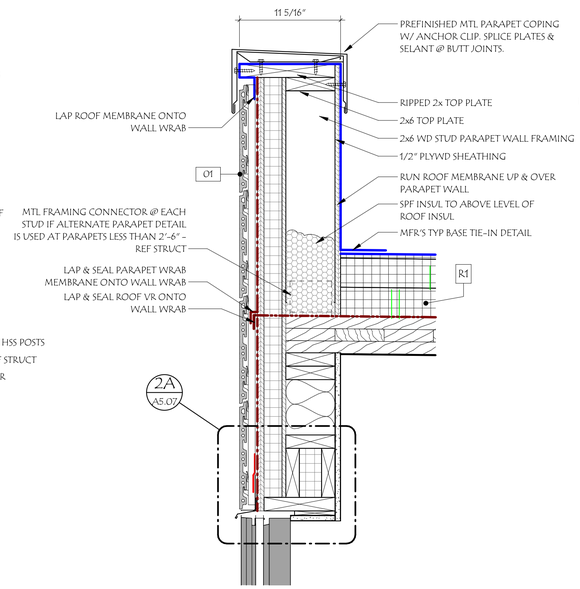
2 SECTION DETAIL @ TERRACE PARAPET
A3.35 1 1/2" = 1'-0"



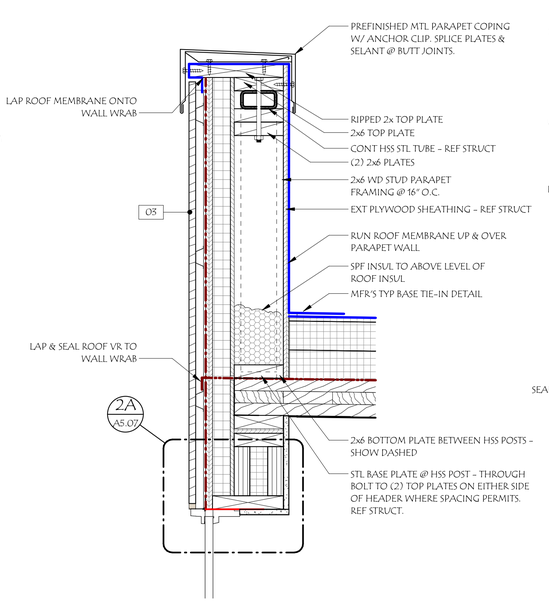
7 SECTION DETAIL @ PARAPET @ MTL PANEL
A3.35 1 1/2" = 1'-0"
@ MAIN ST ENTRY ROOF PARAPET



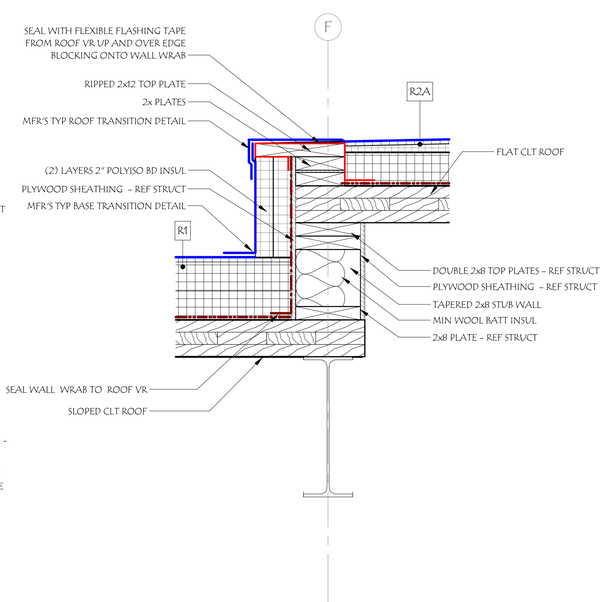
3 SECTION DETAIL @ PARAPET @ IMP
A3.35 1 1/2" = 1'-0"



4 SECTION DETAIL @ PARAPET @ CT
A3.35 1 1/2" = 1'-0"



5 SECTION DETAIL @ PARAPET @ WD CLADDING
A3.35 1 1/2" = 1'-0"



6 SECTION DETAIL @ ROOF TRANSITION
A3.35 1 1/2" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT STEVEN M. ROY NO. 3020 STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

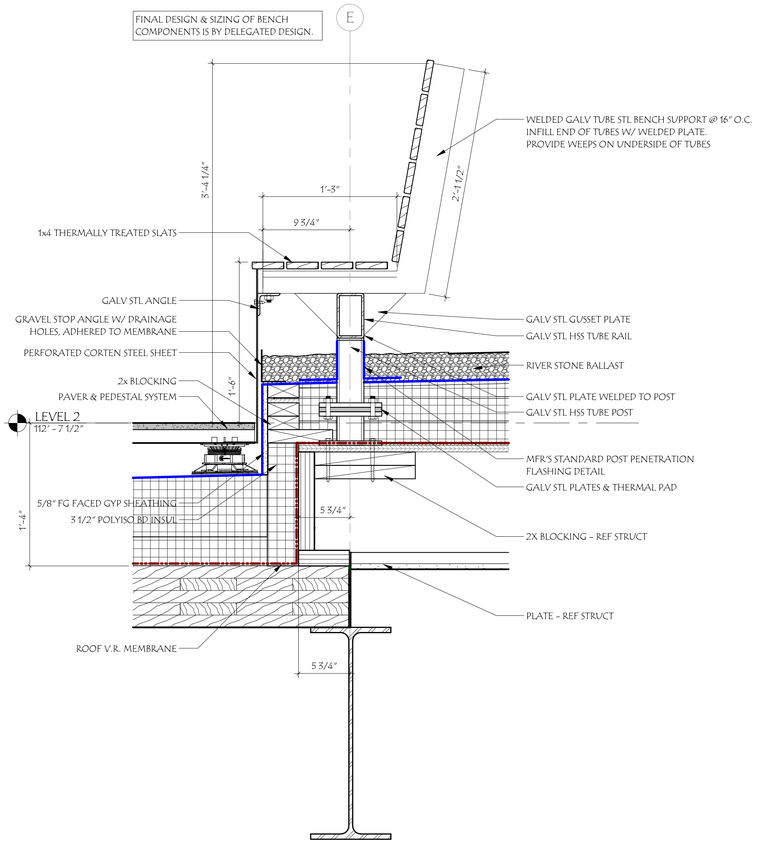
MIDDLEBURY, VERMONT

SECTION DETAILS - ROOF

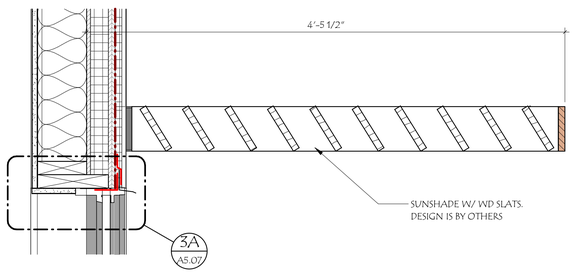
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SWR
DRAWN BY:	DW
SCALE:	1 1/2" = 1'-0"

A3.35

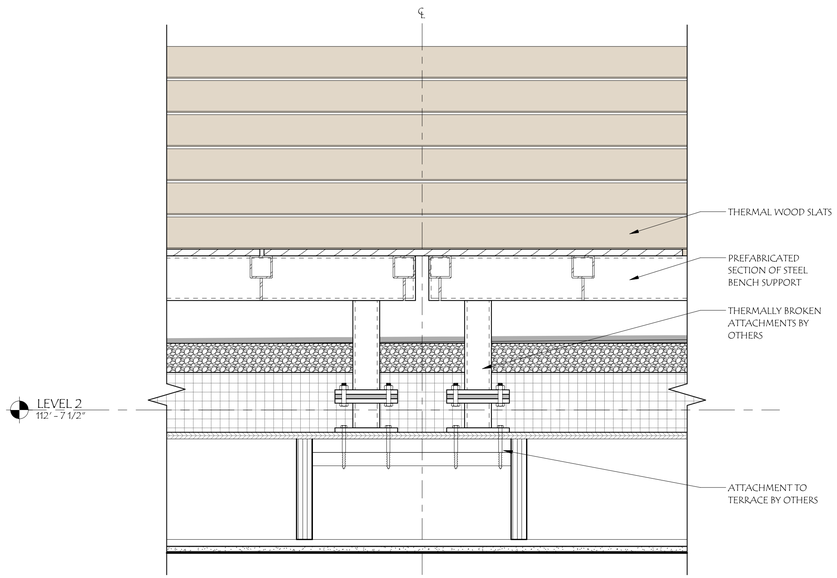
PRINTED: 1/24/2025 4:04:24 PM FILENAME: C:\Users\jkennell\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CI_BARRETT222.rvt



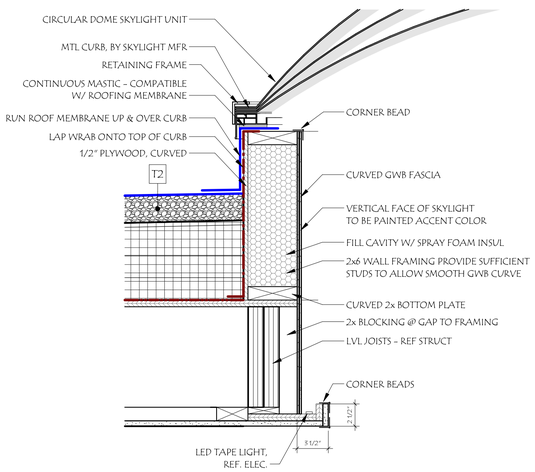
1 A3.36 SECTION DETAIL @ TERRACE BENCH
1 1/2" = 1'-0"



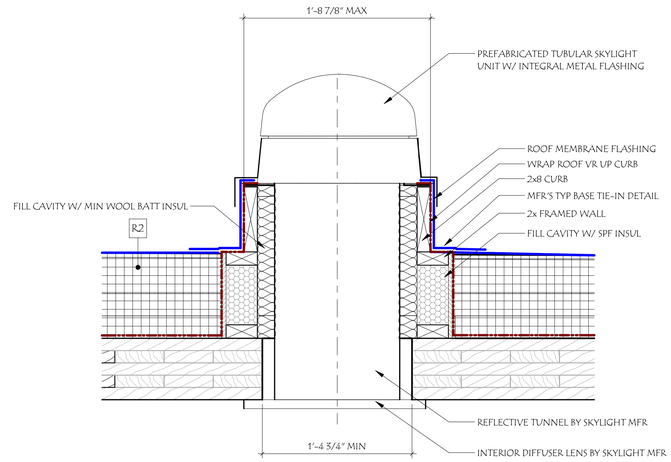
4 A3.36 SECTION DETAIL @ TERRACE SUN SHADE
1 1/2" = 1'-0"



3 A3.36 SECTION DETAIL @ TERRACE BENCH - LONGITUDINAL
1 1/2" = 1'-0"



6 A3.36 SECTION DETAIL @ LARGE SKYLIGHT
1 1/2" = 1'-0"



2 A3.36 SECTION DETAIL @ TUBULAR SKYLIGHT
1 1/2" = 1'-0"

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROTT
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

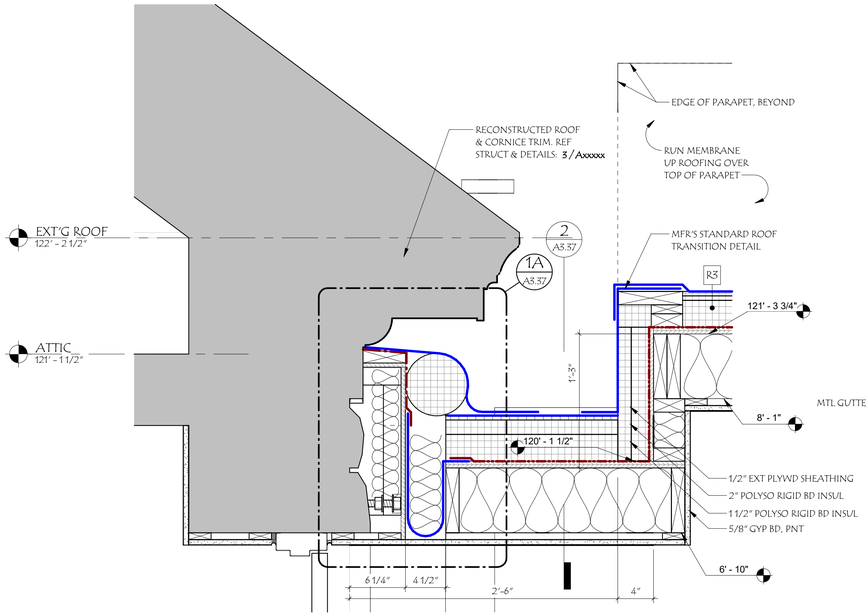
MIDDLEBURY, VERMONT

SECTION DETAILS - ROOF

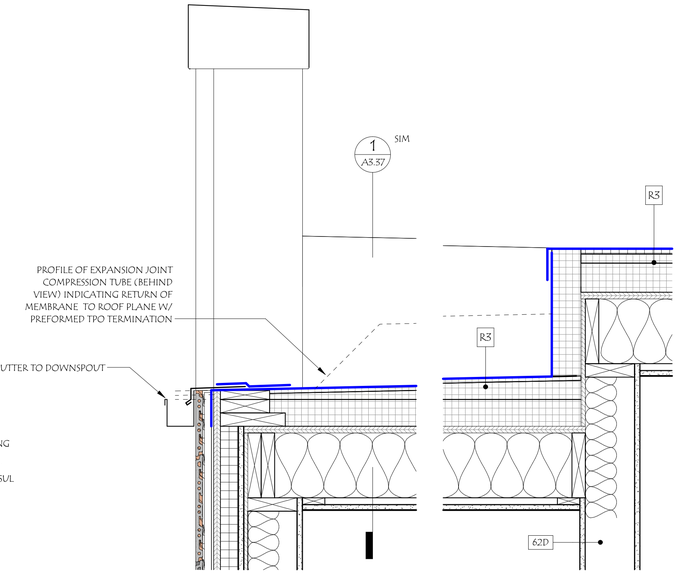
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	DW
SCALE:	1 1/2" = 1'-0"

A3.36

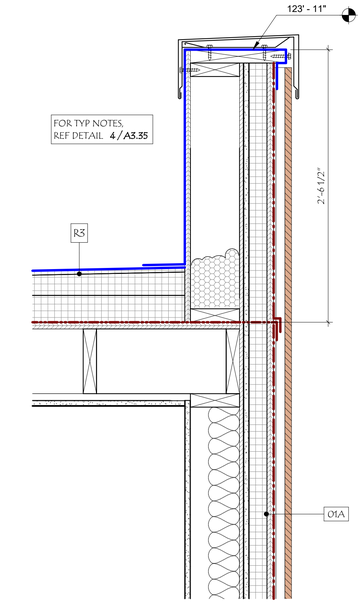
PRINTED: 1/24/2025 4:04:28 PM FILENAME: C:\Users\jbonsall\Documents\20230118_ILSLEY PUBLIC LIBRARY_R24_CD_jBARRETT222.rvt



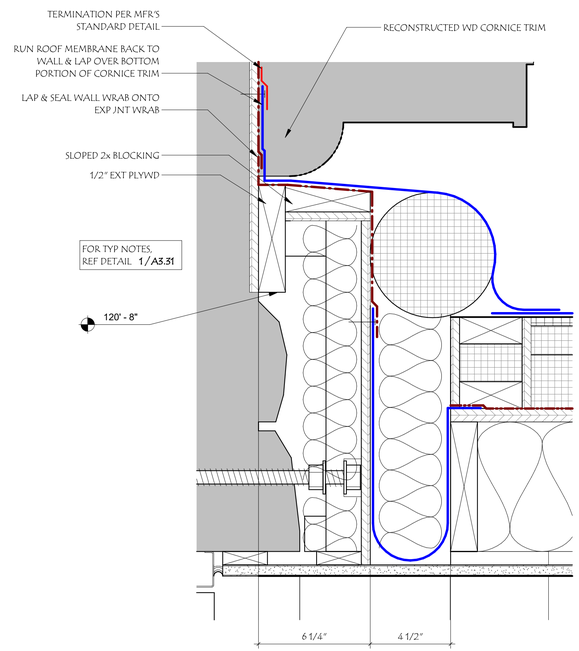
1 A3.37 SECTION DETAIL @ STAIR C ROOF - EXPANSION JOINT
1 1/2" = 1'-0"



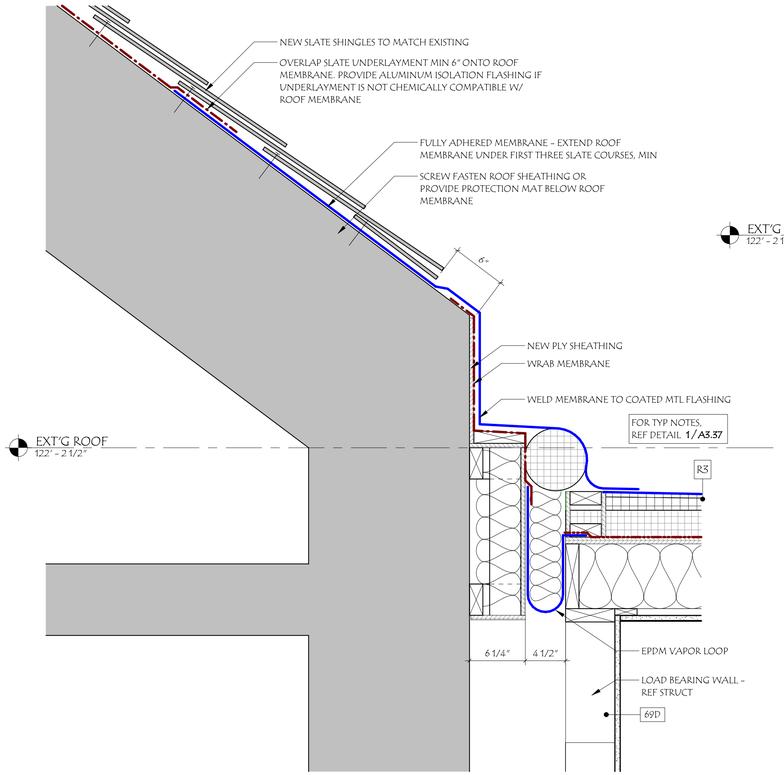
2 A3.37 SECTION DETAIL @ STAIR C THROUGH LOW ROOF
1 1/2" = 1'-0"



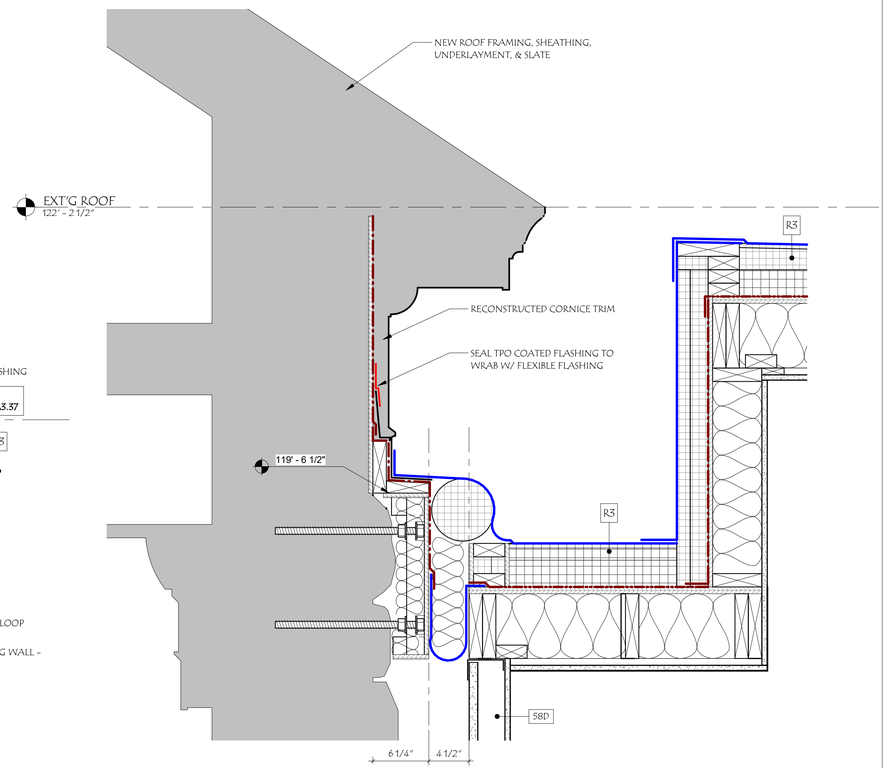
3 A3.37 SECTION DETAIL @ STAIR C PARAPET
1 1/2" = 1'-0"



1A A3.37 ENLARGED SECTION DETAIL @ STAIR C EXPANSION JOINT
3" = 1'-0"



4 A3.37 SECTION DETAIL @ STAIR ROOF C - CLIPPED ROOF
1 1/2" = 1'-0"



5 A3.37 SECTION DETAIL @ STAIR C ROOF - SHORT SIDE
1 1/2" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT STEVEN M. ROY NO. 3020 STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

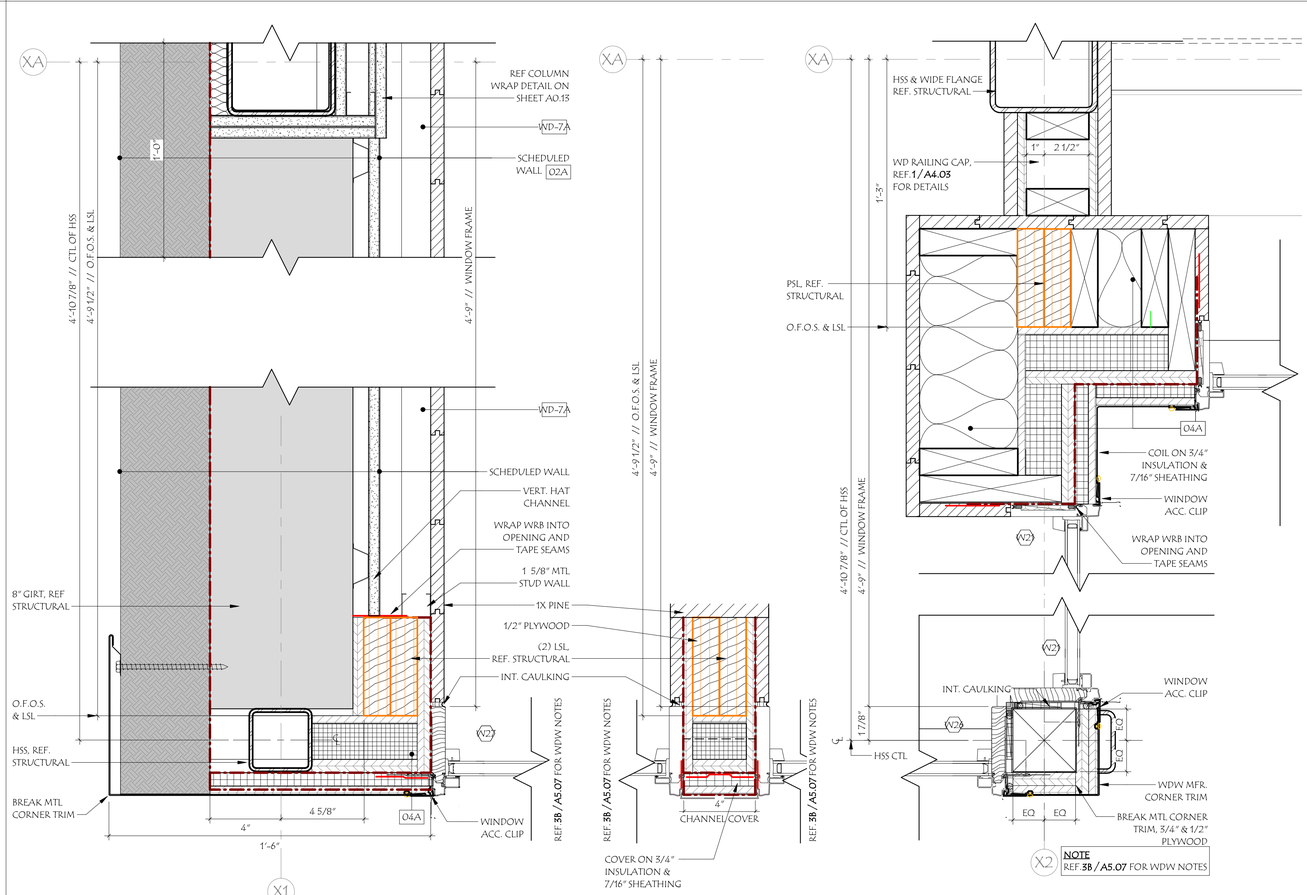
MIDDLEBURY, VERMONT

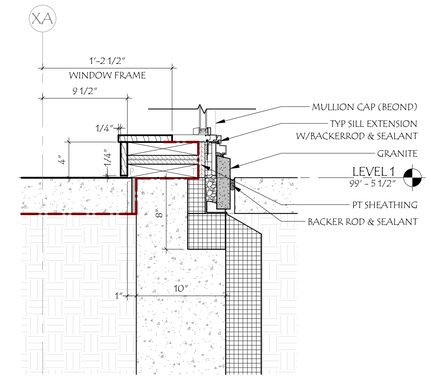
SECTION DETAILS - ROOF

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	As indicated

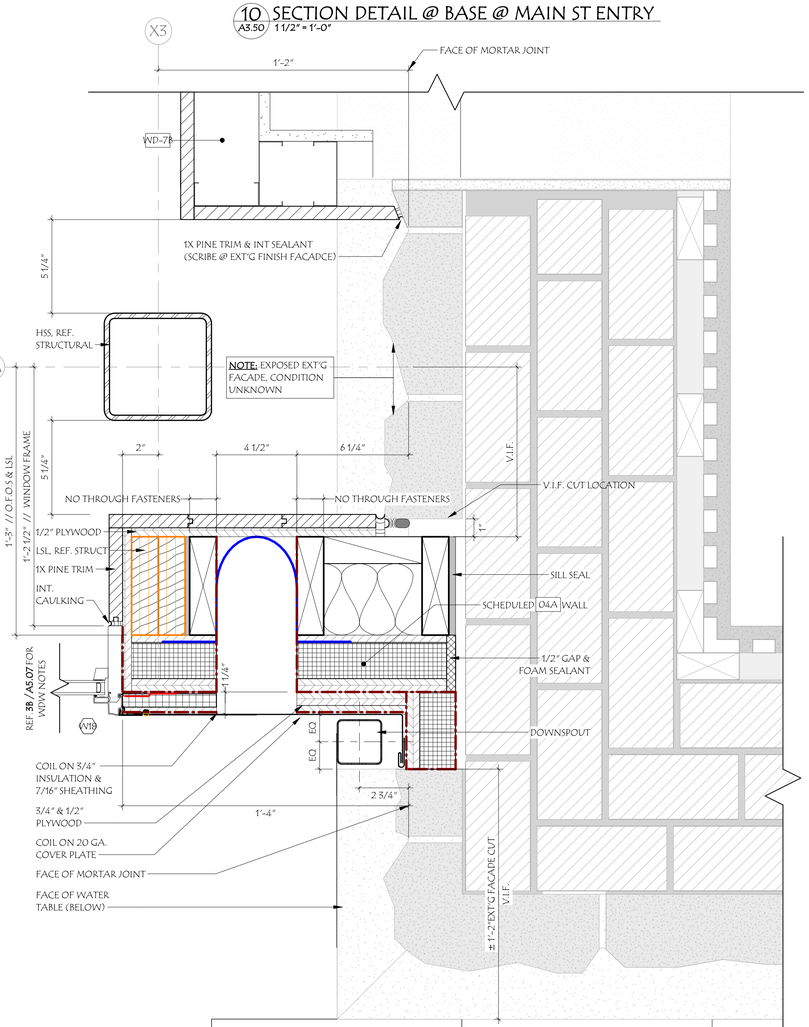
A3.37

PRINTED: 1/24/2025 4:04:33 PM
FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_jbARRETT22.rvt

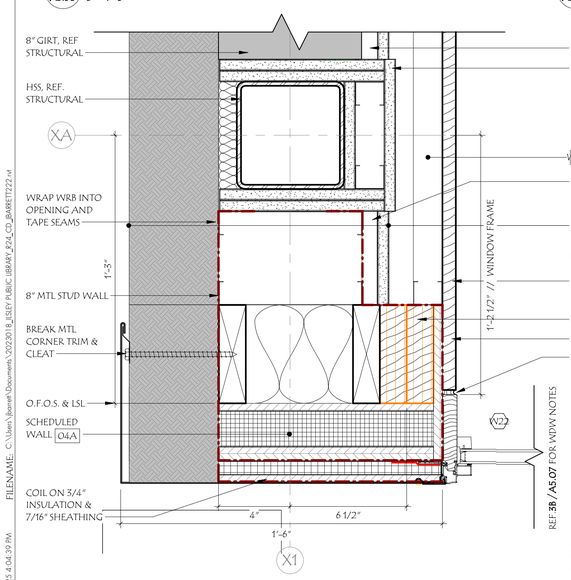




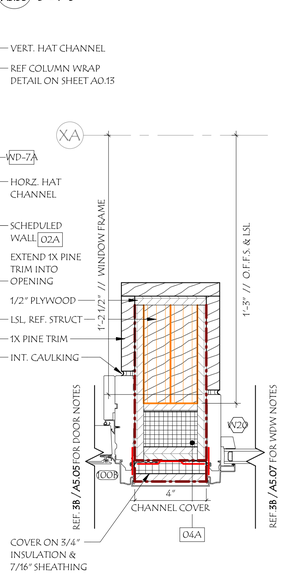
10 SECTION DETAIL @ BASE @ MAIN ST ENTRY
A3.50 1 1/2" = 1'-0"



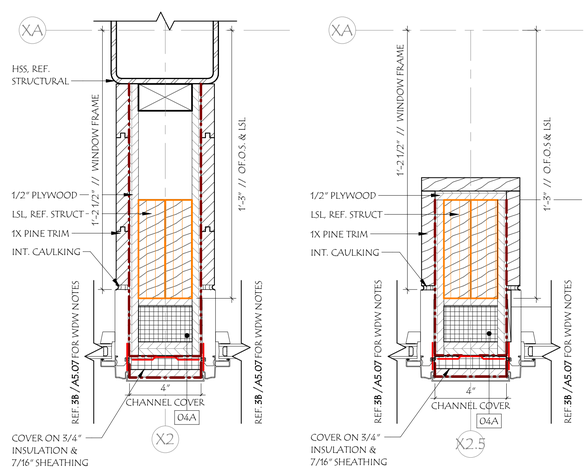
6 L2 IMP END WALL DETAIL - WEST WINDOW WALL
A3.50 3" = 1'-0"



7 L2 WEST WINDOW WALL JAMB
A3.50 3" = 1'-0"



8 L2 WINDOW WALL CORNER
A3.50 3" = 1'-0"



1 L1 IMP END WALL DETAIL - WEST WINDOW WALL
A3.50 3" = 1'-0"

2 PELLA DOOR - JAMB
A3.50 3" = 1'-0"

3 L1 WEST WINDOW WALL JAMB 1
A3.50 3" = 1'-0"

4 L1 WEST WINDOW WALL JAMB 2
A3.50 3" = 1'-0"

5 WEST WINDOW WALL @ EXPANSION JOINT - 1923 FACADE
A3.50 3" = 1'-0"

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST.
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. WOLF
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

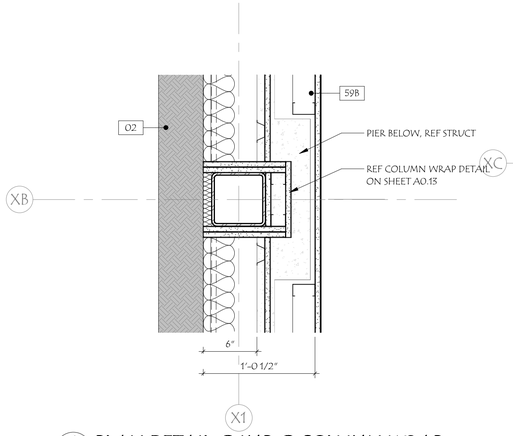
MIDDLEBURY, VERMONT

WEST ELEV DETAILS - LEVEL 1 - EXTERIOR

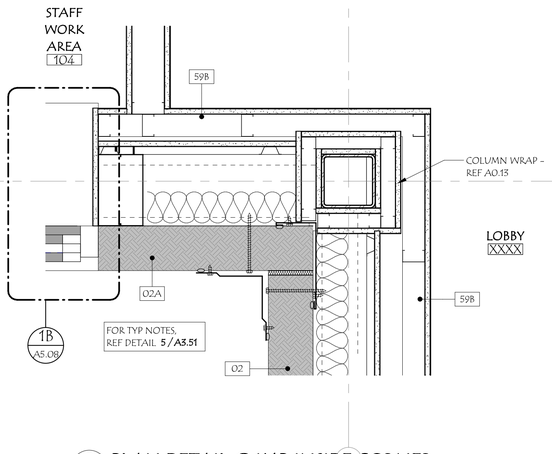
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMW
DRAWN BY:	DW / JB
SCALE:	As indicated

A3.50

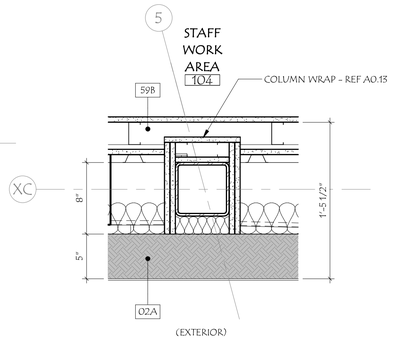
FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_24X24_CD_JBARNETT222.rvt
PRINTED: 1/24/2025 4:04:39 PM



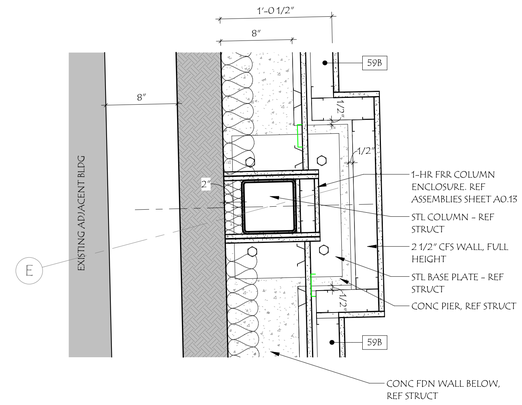
1 PLAN DETAIL @ IMP @ COLUMN WRAP
A3.51 1 1/2" = 1'-0"



2 PLAN DETAIL @ IMP INSIDE CORNER
A3.51 1 1/2" = 1'-0"



3 PLAN DETAIL @ IMP @ COLUMN WRAP
A3.51 1 1/2" = 1'-0"



4 PLAN DETAIL @ IMP @ COLUMN WRAP
A3.51 1 1/2" = 1'-0"

5 PLAN DETAIL @ IMP OUTSIDE CORNER - ANGLE
A3.51 1 1/2" = 1'-0"

6 PLAN DETAIL @ IMP INSIDE CORNER
A3.51 1 1/2" = 1'-0"

7 PLAN DETAIL @ IMP @ OUTSIDE CORNER
A3.51 1 1/2" = 1'-0"

8 PLAN DETAIL @ IMP & TERRACOTTA @ OUTSIDE CORNER
A3.51 1 1/2" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT STEVEN M. WOLF NO. 3020 STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

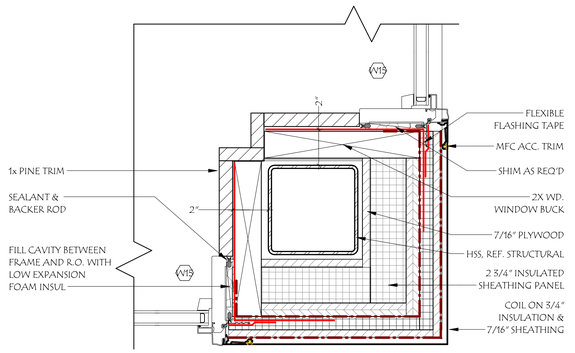
MIDDLEBURY, VERMONT

PLAN DETAILS - LEVEL 1 - EXTERIOR

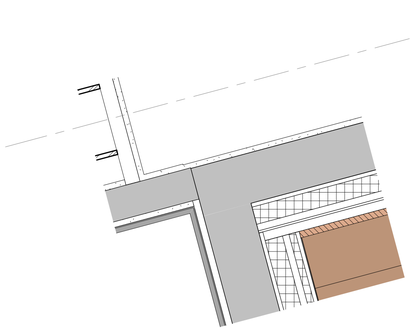
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SWR
DRAWN BY:	DW / JB
SCALE:	1 1/2" = 1'-0"

A3.51

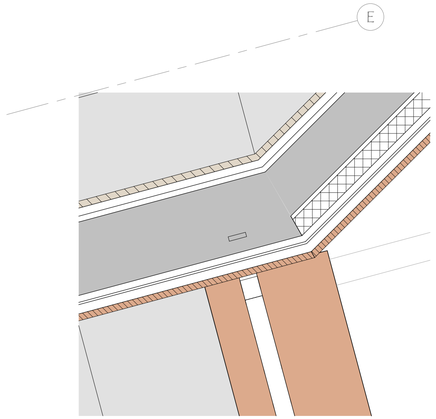
PRINTED: 1/24/2025 4:04:45 PM FILENAME: C:\Users\jbarnet\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_jbARRETT222.rvt



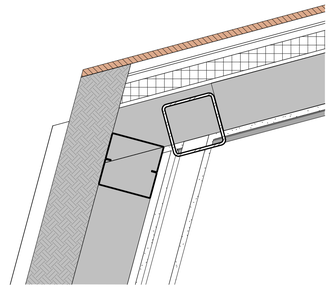
4 A3.53 ADULT GATHERING - WINDOW WALL CORNER
3" = 1'-0"



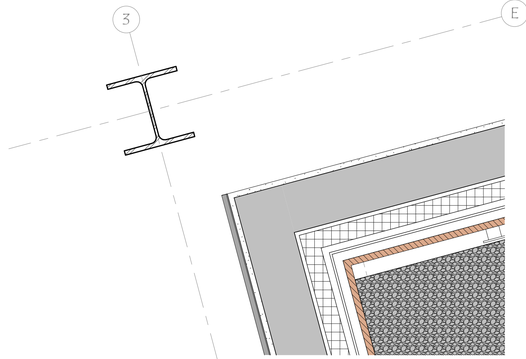
5 A3.53 M.S. & ADULT GATHERING ENLARGED PLAN - Callout 3
1 1/2" = 1'-0"



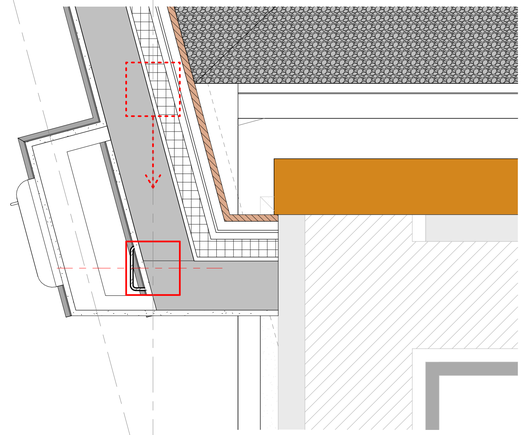
9 A3.53 03 - LEVEL 2 - Callout 1
1 1/2" = 1'-0"



6 A3.53 MCTV & H.S. ENLARGED PLAN - Callout 1
1 1/2" = 1'-0"



7 A3.53 M.S. & ADULT GATHERING ENLARGED PLAN - Callout 1
1 1/2" = 1'-0"



3 A3.53 Detail 23
1 1/2" = 1'-0"

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

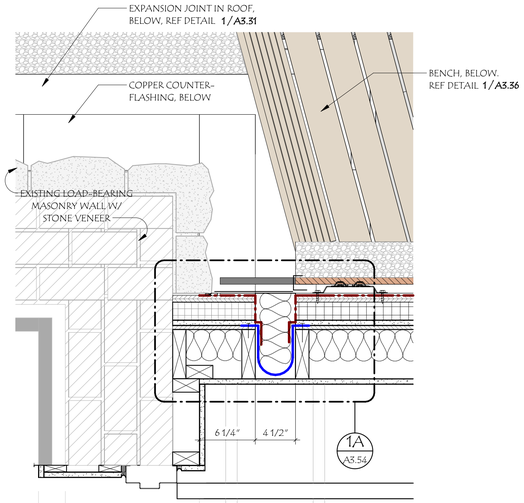
MIDDLEBURY, VERMONT

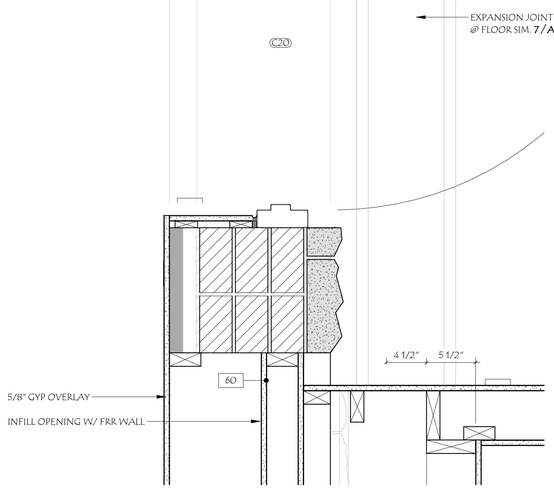
PLAN DETAILS - LEVEL 2 - EXTERIOR

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	DW / JB
SCALE:	As indicated

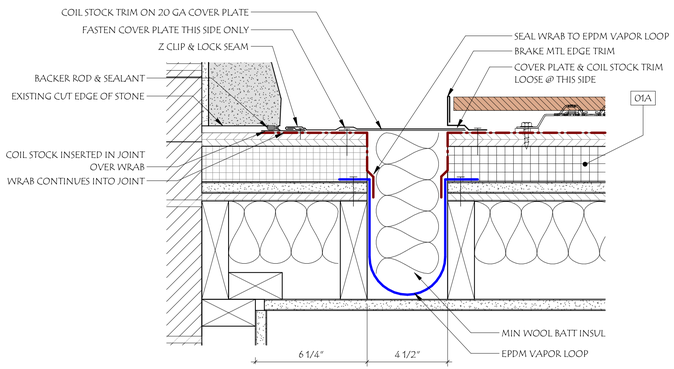
A3.53

PRINTED: 1/24/2025 4:04:49 PM FILENAME: C:\Users\JBonner\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_BARRETT222.rvt





1 A3.54 PLAN DETAIL @ STAIR C EXPANSION JOINT
1 1/2" = 1'-0"



1A A3.54 ENLARGED PLAN DETAIL @ STAIR C EXP JOINT - LEVEL 2
3" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

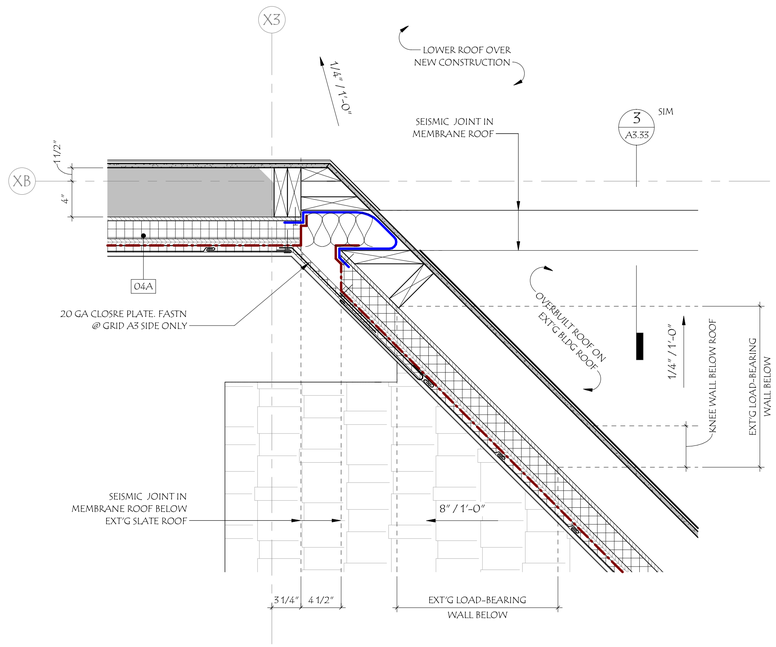
MIDDLEBURY, VERMONT

PLAN DETAILS - LEVEL 2 - EXTERIOR

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	As indicated

A3.54

PRINTED: 1/24/2025 4:04:52 PM FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_JBARNETT22.rvt



1 A3.55 PLAN DETAIL @ WALL OVERBUILD ON EXT'G ROOF
1 1/2" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

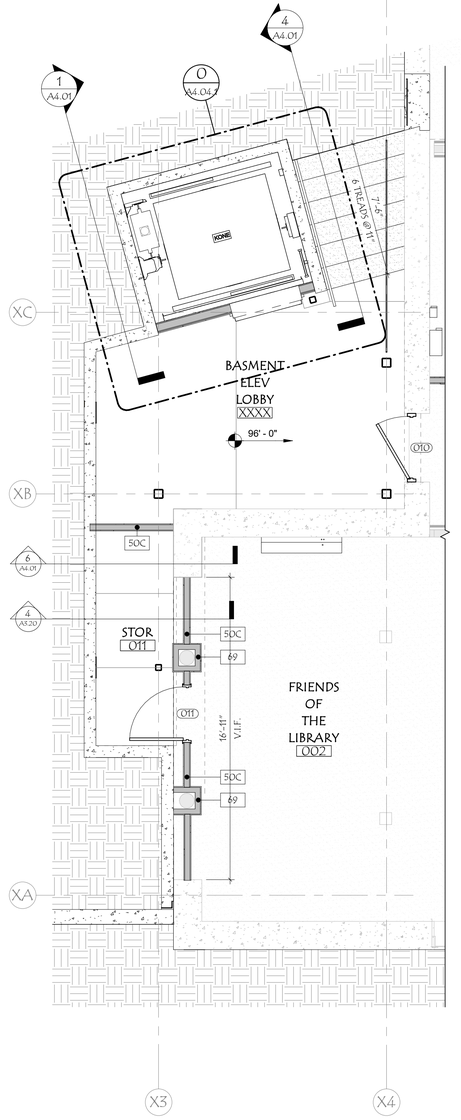
MIDDLEBURY, VERMONT

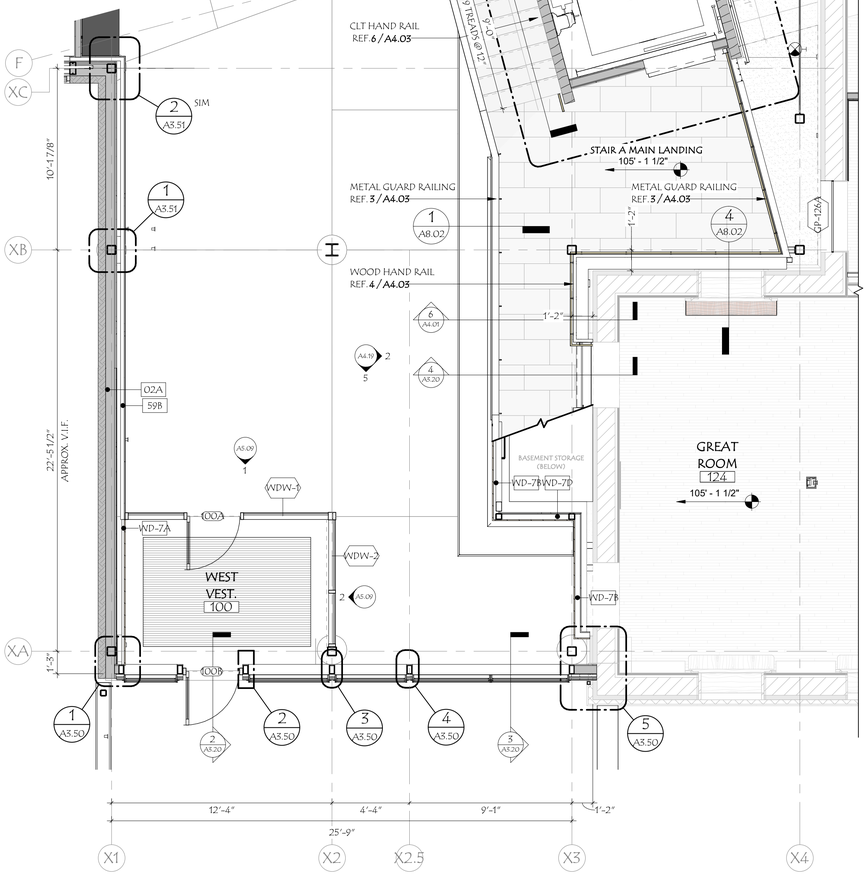
PLAN DETAILS - ROOF & MISC

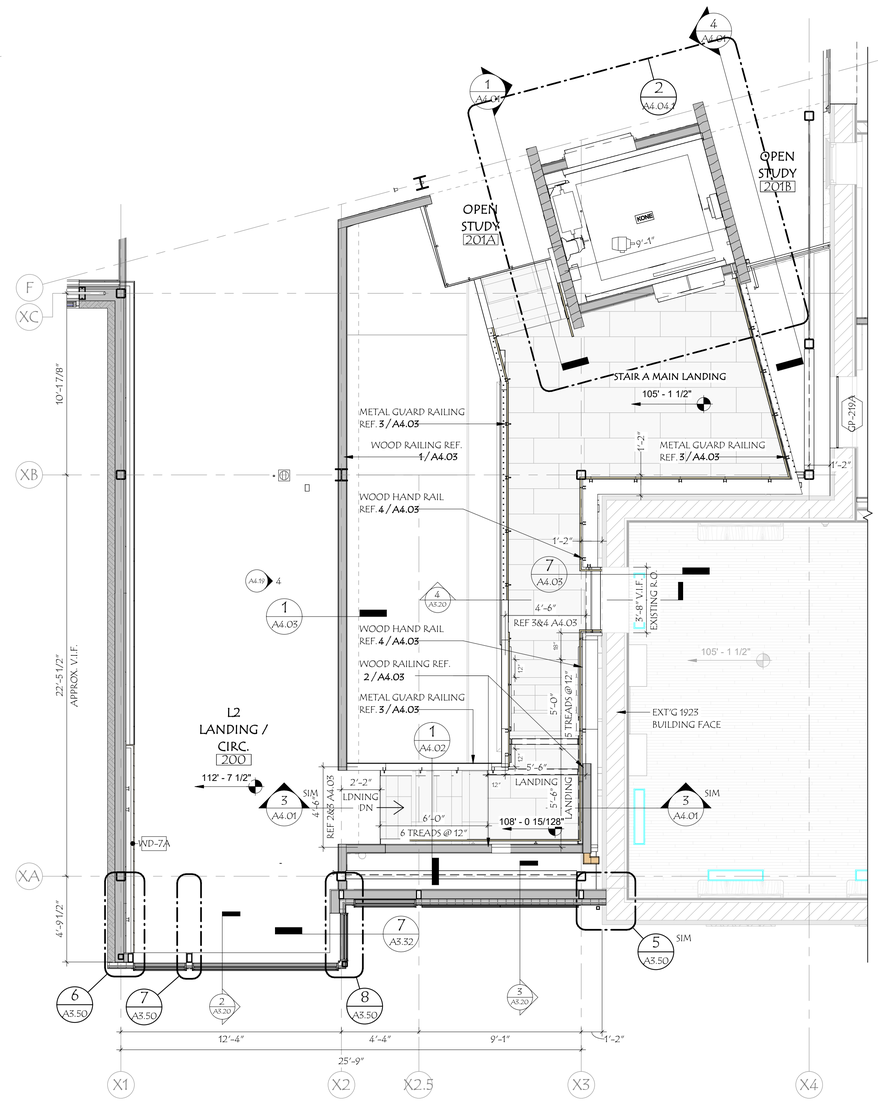
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	1 1/2" = 1'-0"

A3.55

PRINTED: 1/24/2025 4:04:53 PM FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_JBARRETT222.rvt







B A4.00 STAIR A PLAN - LEVEL 1 TO BASEMENT
1/4" = 1'-0"

1 A4.00 STAIR A PLAN - LEVEL 1 TO MAIN LANDING
1/4" = 1'-0"

2 A4.00 STAIR A PLAN - MAIN LANDING TO LEVEL 2
1/4" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. WOT
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

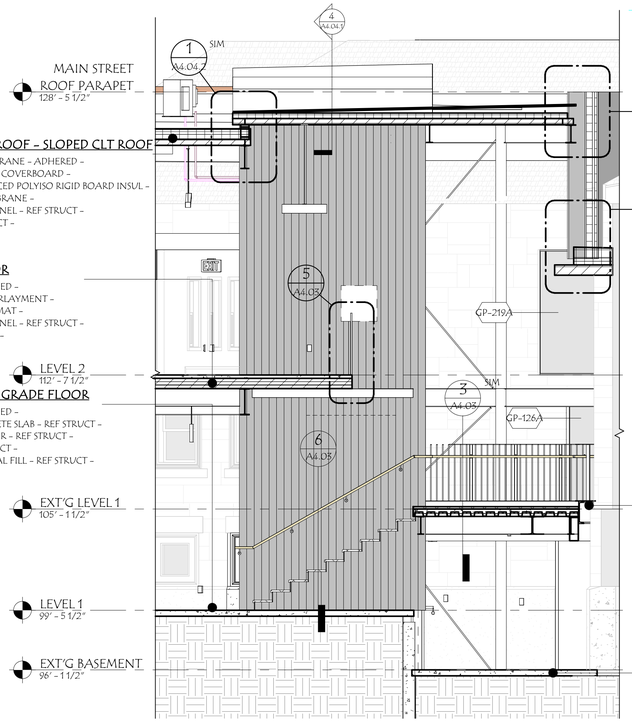
MIDDLEBURY, VERMONT

STAIR A PLANS

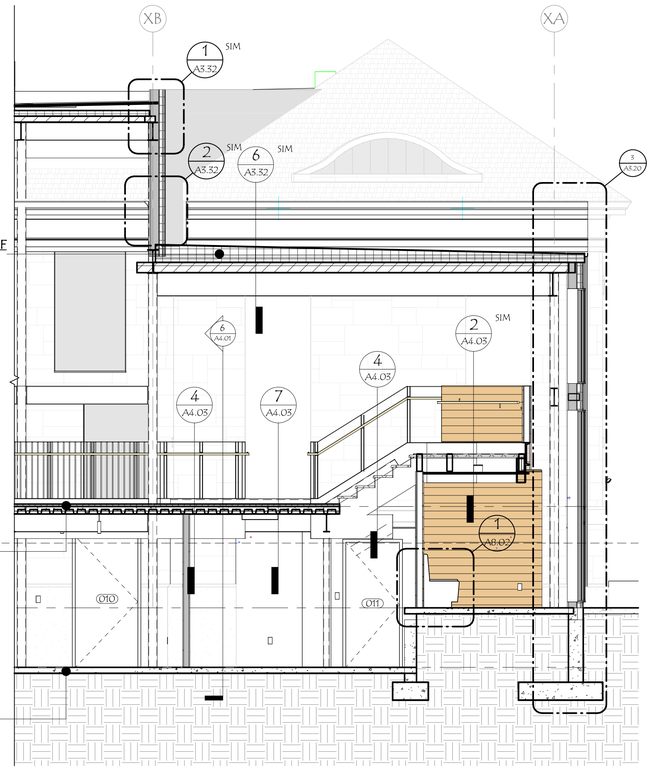
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	1/4" = 1'-0"

A4.00

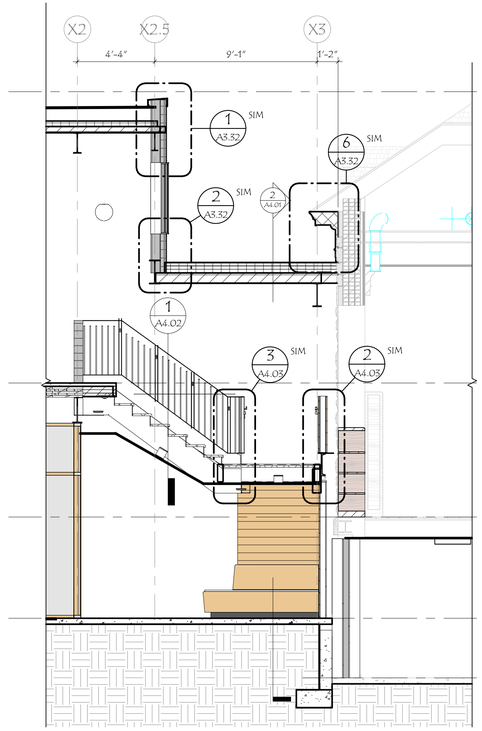
PRINTED: 1/24/2025 4:04:58 PM FILENAME: C:\Users\jbsmith\Documents\20230918_ILSLEY PUBLIC LIBRARY_R24_CD_BARRETT222.rvt



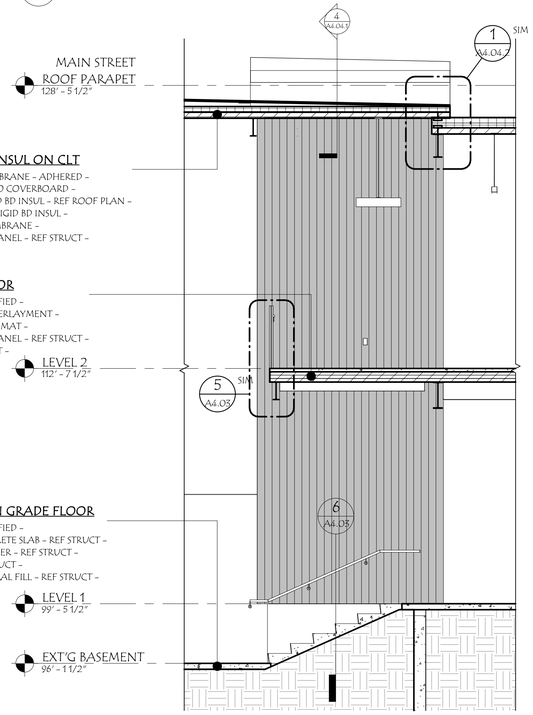
1 STAIR A - SECTION 1
A4.01 1/4" = 1'-0"



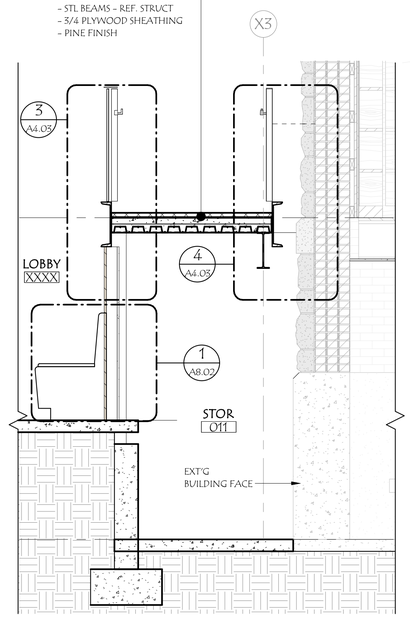
2 STAIR A - SECTION 2
A4.01 1/4" = 1'-0"



3 STAIR A - SEC 2
A4.01 1/4" = 1'-0"



4 STAIR A - SECTION 4
A4.01 1/4" = 1'-0"



6 STAIR A - LANDING @ 1923 FACADE
A4.01 1/2" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. WOLF
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

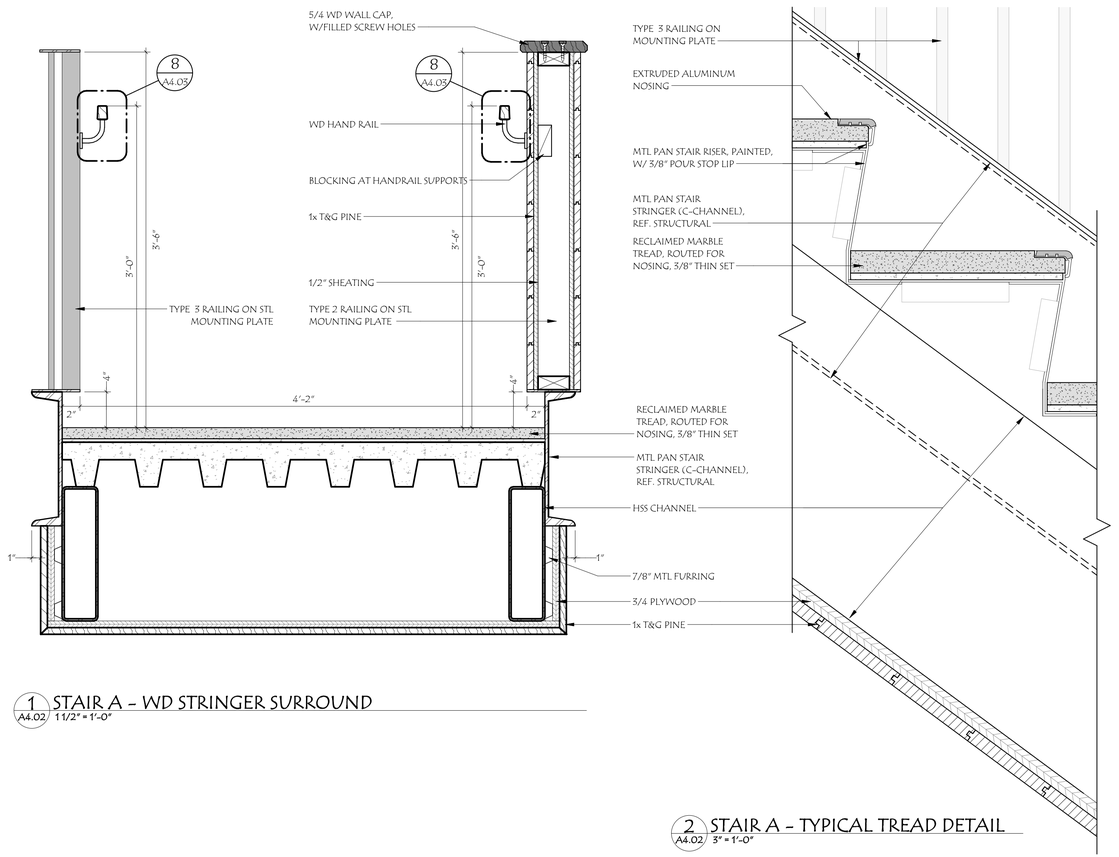
MIDDLEBURY, VERMONT

STAIR A SECTIONS

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SWR
DRAWN BY:	Author
SCALE:	As indicated

A4.01

PRINTED: 1/24/2025 4:05:04 PM
FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R14_CD_JBARNETT22.rvt



1 A4.02 STAIR A - WD STRINGER SURROUND
1 1/2" = 1'-0"

2 A4.02 STAIR A - TYPICAL TREAD DETAIL
3" = 1'-0"

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

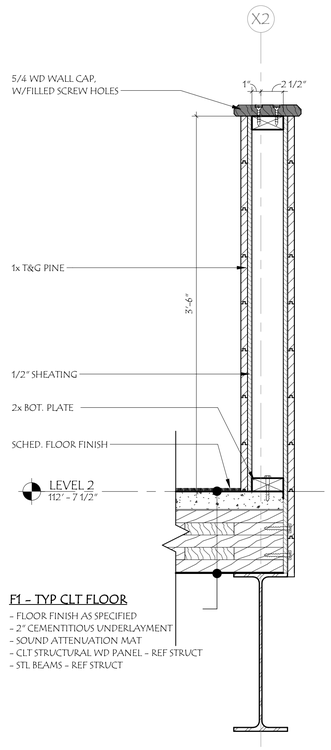
MIDDLEBURY, VERMONT

STAIR A DETAILS

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	As indicated

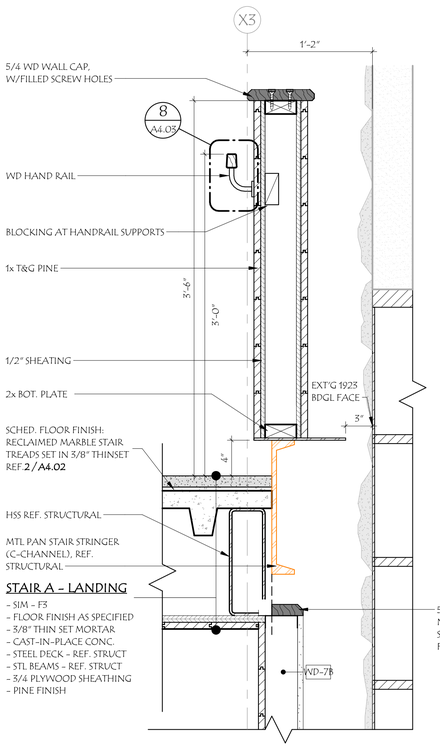
A4.02

PRINTED: 1/24/2025 4:05:05 PM FILENAME: C:\Users\jkarnet\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_jkARNETT22.rvt



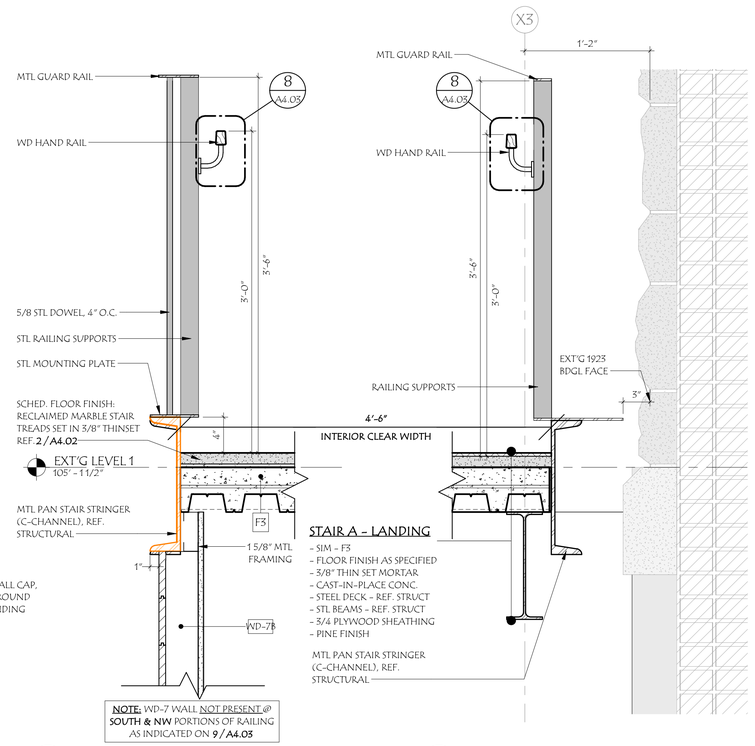
F1 – TYP CLT FLOOR
- FLOOR FINISH AS SPECIFIED
- 2" CEMENTITIOUS UNDERLAYMENT
- SOUND ATTENUATION MAT
- CLT STRUCTURAL WD PANEL – REF STRUCT
- STL BEAMS – REF STRUCT

1 TYPE 1 — A4.03 — 1 1/2" = 1'-0" — L2 FLOOR EDGE/WD RAILING DETAIL



STAIR A – LANDING
- SIM – F3
- FLOOR FINISH AS SPECIFIED
- 3/8" THIN SET MORTAR
- CAST-IN-PLACE CONC.
- STEEL DECK – REF. STRUCT
- STL BEAMS – REF. STRUCT
- 5/4 PLYWOOD SHEATHING
- PINE FINISH

2 TYPE 2 — A4.03 — 1 1/2" = 1'-0" — WOOD RAILING DETAIL

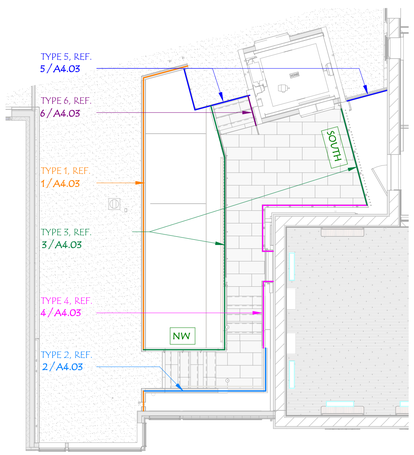


NOTE: WD-7 WALL NOT PRESENT @ **SOUTH & NW** PORTIONS OF RAILING AS INDICATED ON **9 / A4.03**

STAIR A – LANDING
- SIM – F3
- FLOOR FINISH AS SPECIFIED
- 3/8" THIN SET MORTAR
- CAST-IN-PLACE CONC.
- STEEL DECK – REF. STRUCT
- STL BEAMS – REF. STRUCT
- 5/4 PLYWOOD SHEATHING
- PINE FINISH

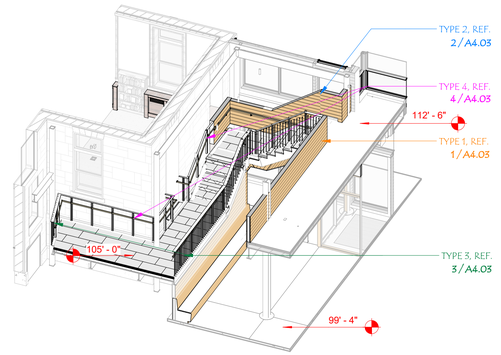
MTL PAN STAIR STRINGER (C-CHANNEL), REF. STRUCTURAL

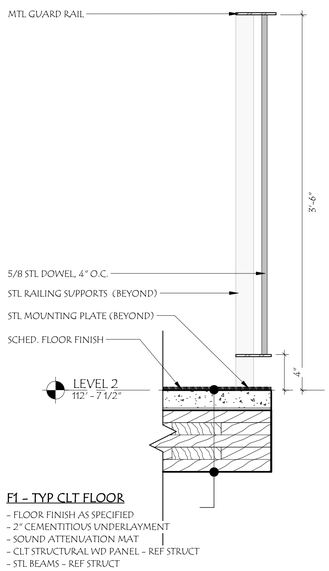
3 TYPE 3 — A4.03 — 1 1/2" = 1'-0" — METAL GUARD RAIL & WD HAND RAILING



9 RAILING KEY PLAN — A4.03 — 1/8" = 1'-0"

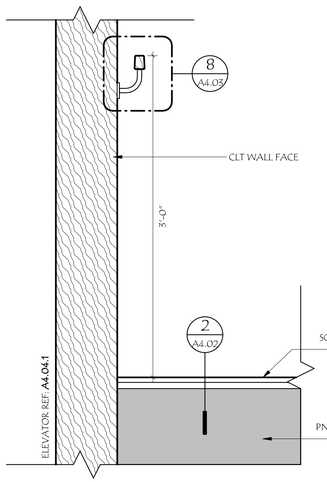
4 TYPE 4 — A4.03 — 1 1/2" = 1'-0" — METAL GUARD RAIL & WD HAND RAILING @ 1923 FACADE



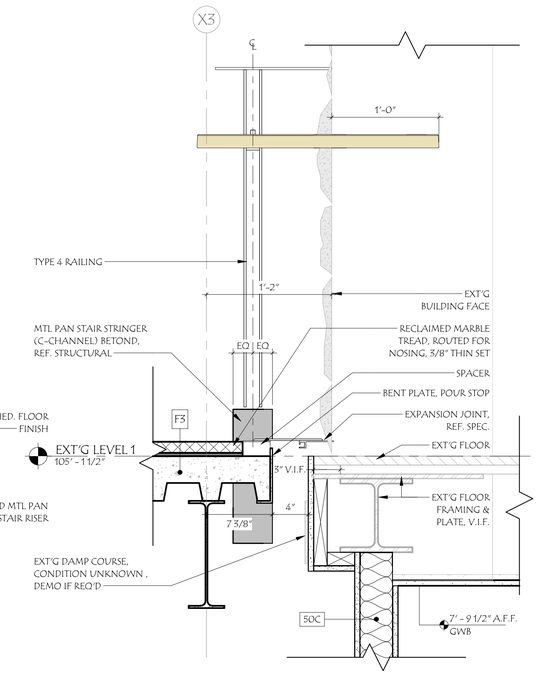


F1 – TYP CLT FLOOR
- FLOOR FINISH AS SPECIFIED
- 2" CEMENTITIOUS UNDERLAYMENT
- SOUND ATTENUATION MAT
- CLT STRUCTURAL WD PANEL – REF STRUCT
- STL BEAMS – REF STRUCT

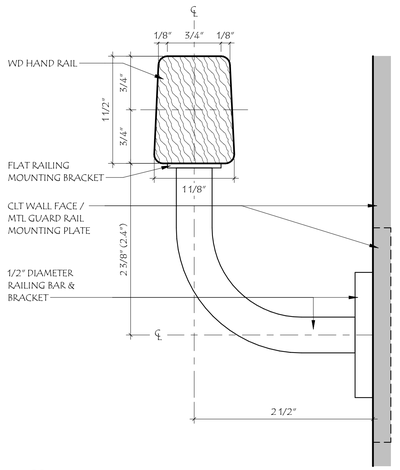
5 TYPE 5 — A4.03 — 1 1/2" = 1'-0" — METAL GUARD RAIL DETAIL



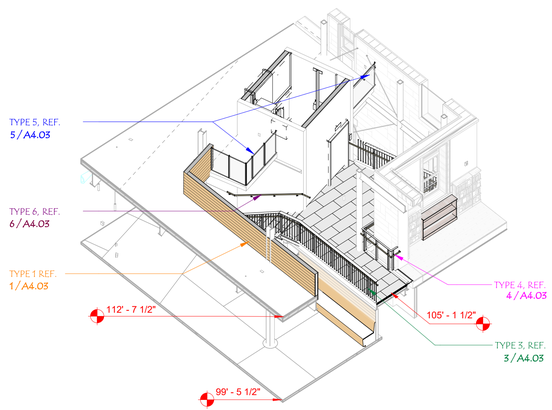
6 TYPE 6 — A4.03 — 1 1/2" = 1'-0" — CLT HAND RAIL DETAIL



7 STAIR A – LANDING @ EXPANSION JOINT — A4.03 — 1 1/2" = 1'-0"



8 HAND RAIL DETAIL — A4.03 — 12" = 1'-0"



WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT — STEVEN M. ROTT — NO. 3020 — STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

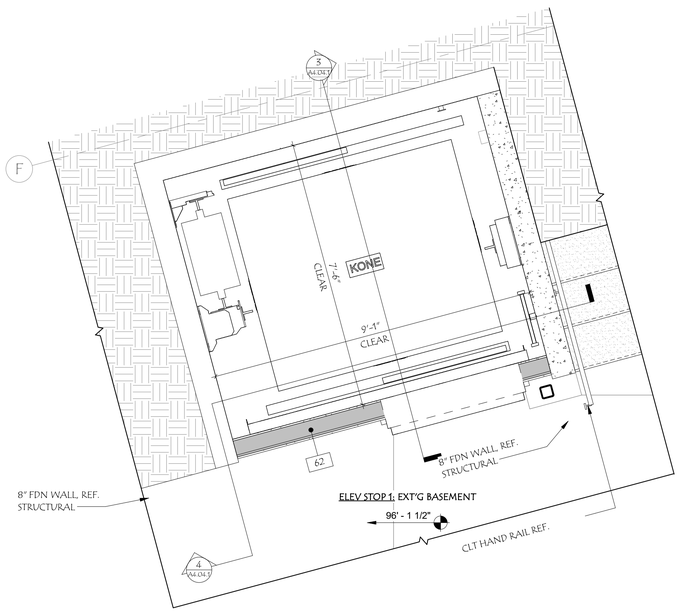
MIDDLEBURY, VERMONT

STAIR A DETAILS

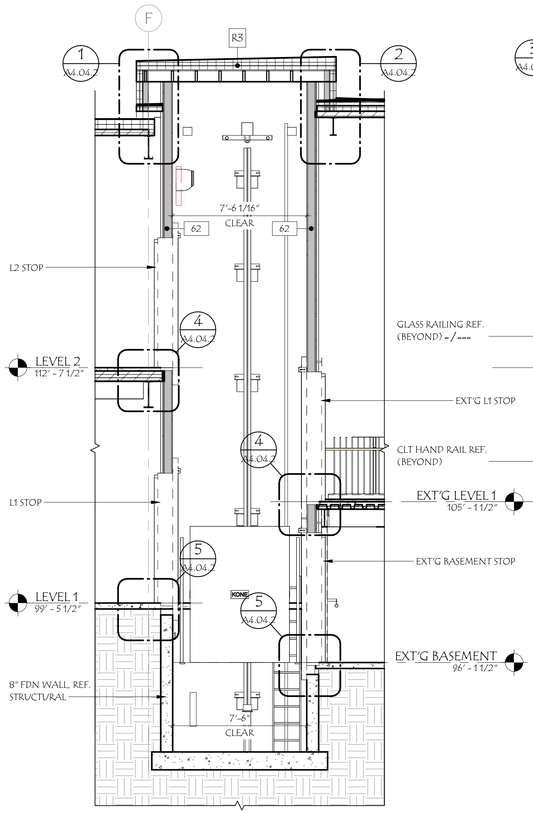
PROJECT NO:	202301 8
DATE:	1.24.25
CHECKED BY:	SWR
DRAWN BY:	Author
SCALE:	As indicated

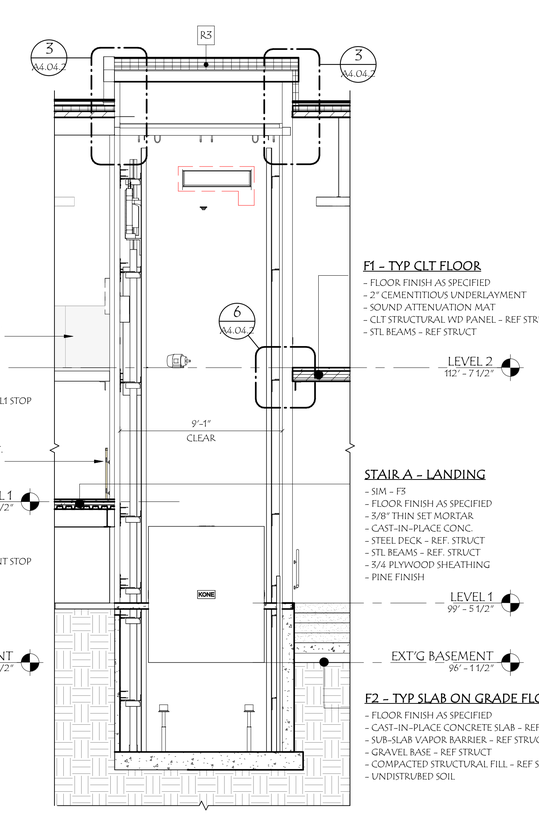
A4.03

FILENAME: C:\Users\jbonin\Documents\202301 8_ILSLEY PUBLIC LIBRARY_R24_CD_jBARRETT222.rvt
PRINTED: 1/24/2025 4:05:14 PM



0 ELEVATOR PLAN – STOP 1 – BASEMENT
A4.04.1 1/2" = 1'-0"





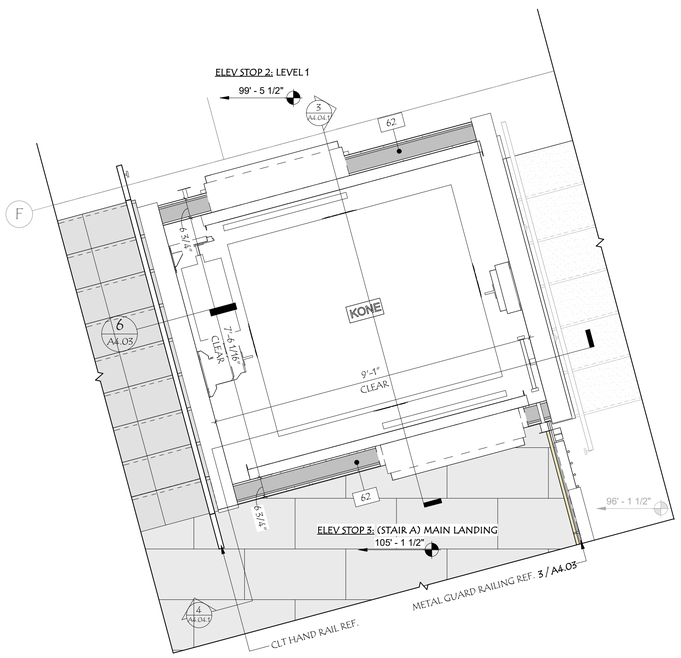
F1 – TYP CLT FLOOR
- FLOOR FINISH AS SPECIFIED
- 2" CEMENTITIOUS UNDERLAYMENT
- SOUND ATTENUATION MAT
- CLT STRUCTURAL WD PANEL – REF STRUCT
- STL BEAMS – REF STRUCT

STAIR A – LANDING
- SIM – F3
- FLOOR FINISH AS SPECIFIED
- 3/8" THIN SET MORTAR
- CAST-IN-PLACE CONC.
- STEEL DECK – REF. STRUCT
- STL BEAMS – REF. STRUCT
- 3/4 PLYWOOD SHEATHING
- PINE FINISH

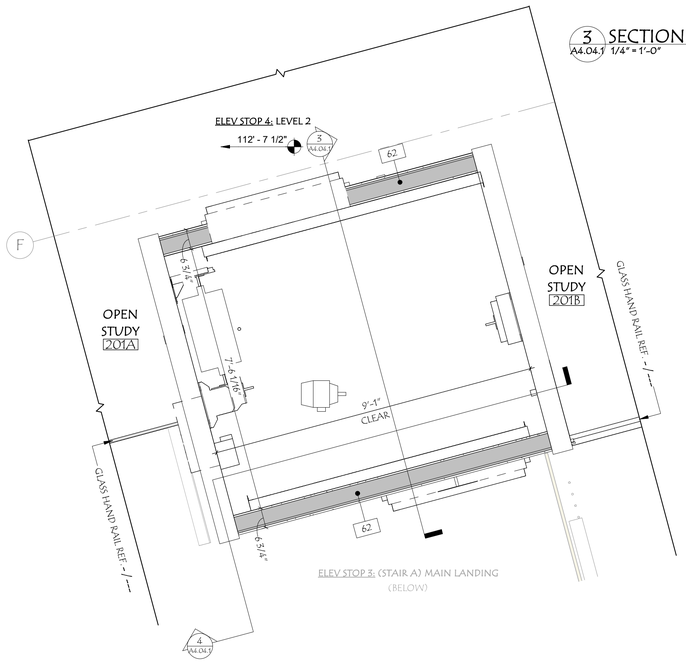
F2 – TYP SLAB ON GRADE FLOOR
- FLOOR FINISH AS SPECIFIED
- CAST-IN-PLACE CONCRETE SLAB – REF STRUCT
- SUB-SLAB VAPOR BARRIER – REF STRUCT
- GRAVEL BASE – REF STRUCT
- COMPACTED STRUCTURAL FILL – REF STRUCT
- UNDISTRUBED SOIL

3 SECTION @ ELEVATOR – ENTRANCES
A4.04.1 1/4" = 1'-0"

4 SECTION @ ELEVATOR – SIDE WALLS (CLT)
A4.04.1 1/4" = 1'-0"



1 ELEVATOR PLAN – STOP 2 & 3 – L1 & STAIR A (MAIN LANDING)
A4.04.1 1/2" = 1'-0"



2 ELEVATOR PLAN – STOP 4 – LEVEL 2
A4.04.1 1/2" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

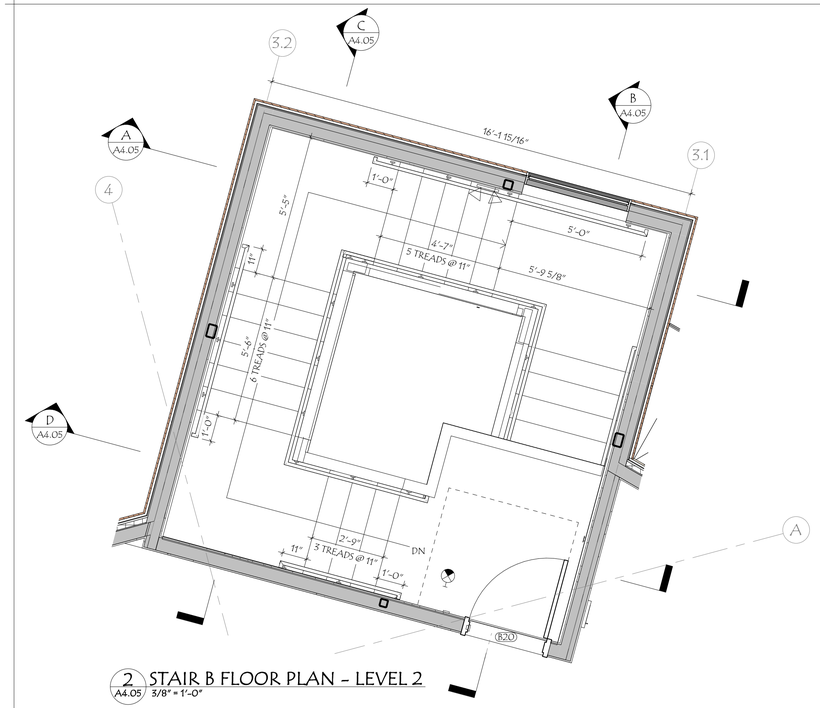
MIDDLEBURY, VERMONT

ELEVATOR PLAN AND SECTIONS

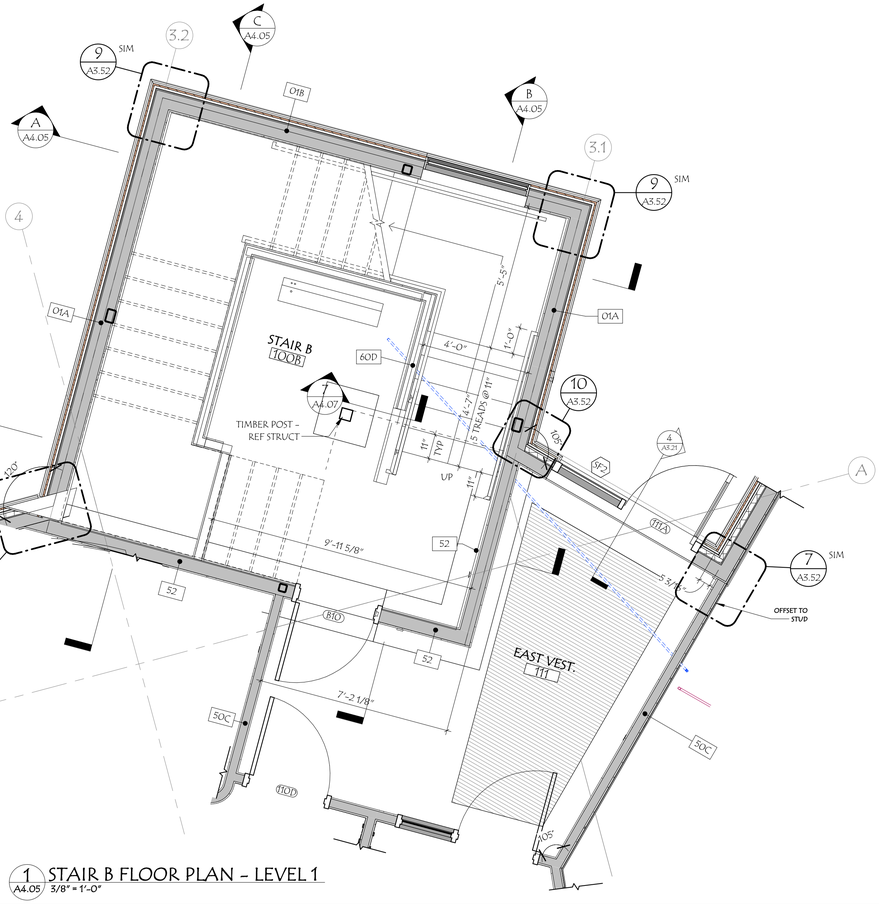
PROJECT NO.:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	As indicated

A4.04.1

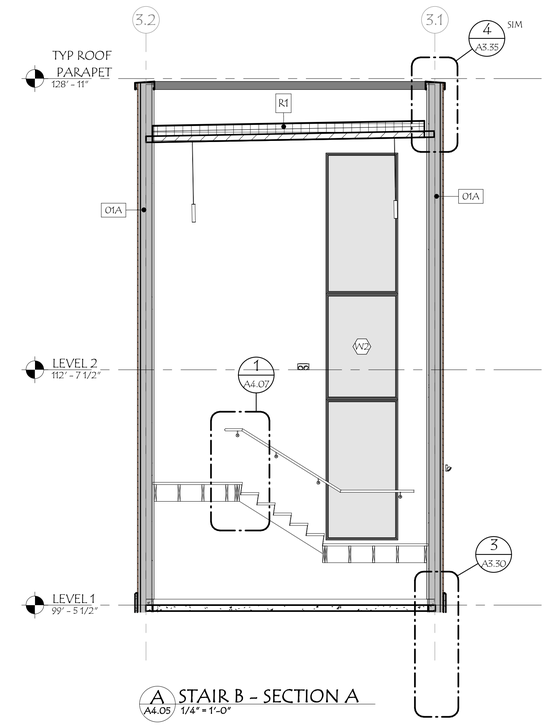
PRINTED: 1/24/2025 4:05:15 PM FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_JBARNETT223.rvt



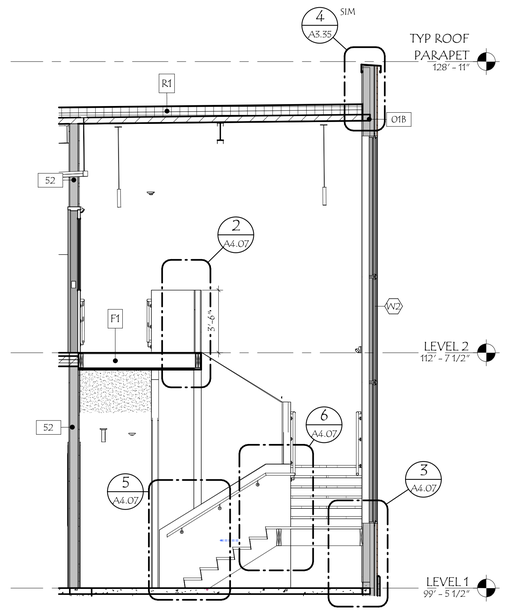
2 STAIR B FLOOR PLAN - LEVEL 2
A4.05 3/8" = 1'-0"



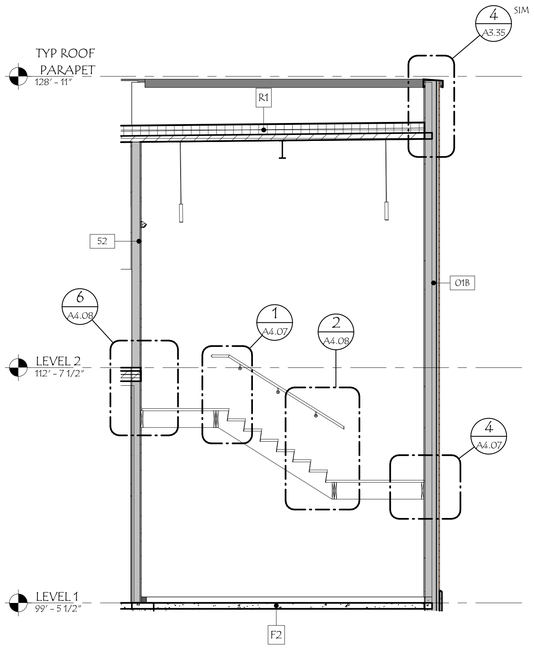
1 STAIR B FLOOR PLAN - LEVEL 1
A4.05 3/8" = 1'-0"



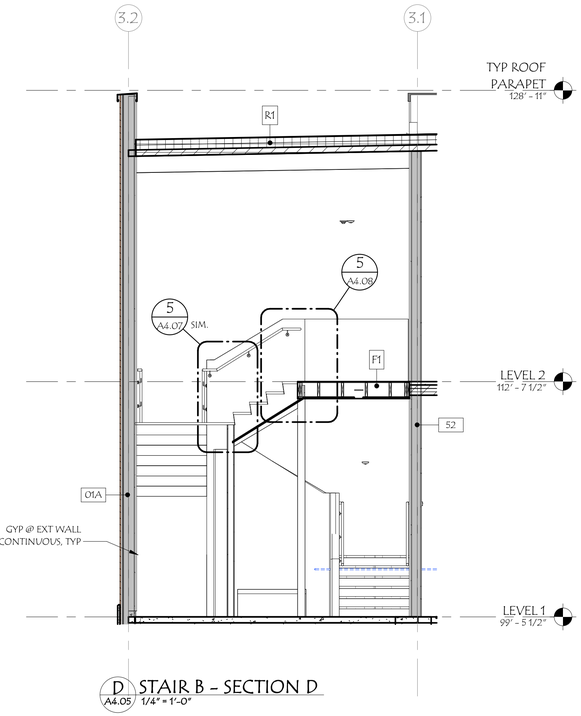
A STAIR B - SECTION A
A4.05 1/4" = 1'-0"



B STAIR B - SECTION B
A4.05 1/4" = 1'-0"



C STAIR B - SECTION C
A4.05 1/4" = 1'-0"



D STAIR B - SECTION D
A4.05 1/4" = 1'-0"

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST.
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

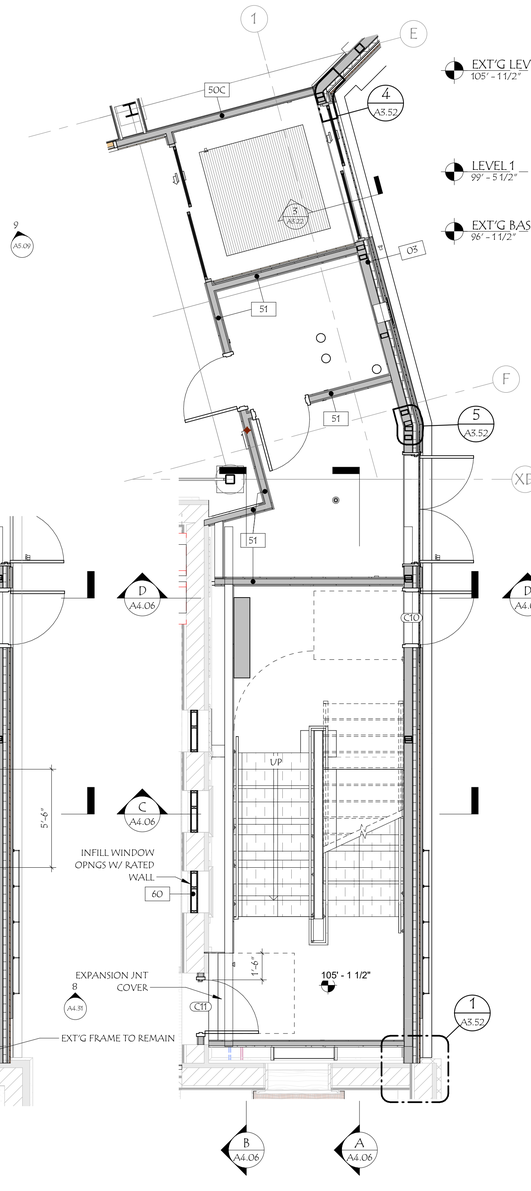
MIDDLEBURY, VERMONT

STAIR B PLANS & SECTIONS

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	As indicated

A4.05

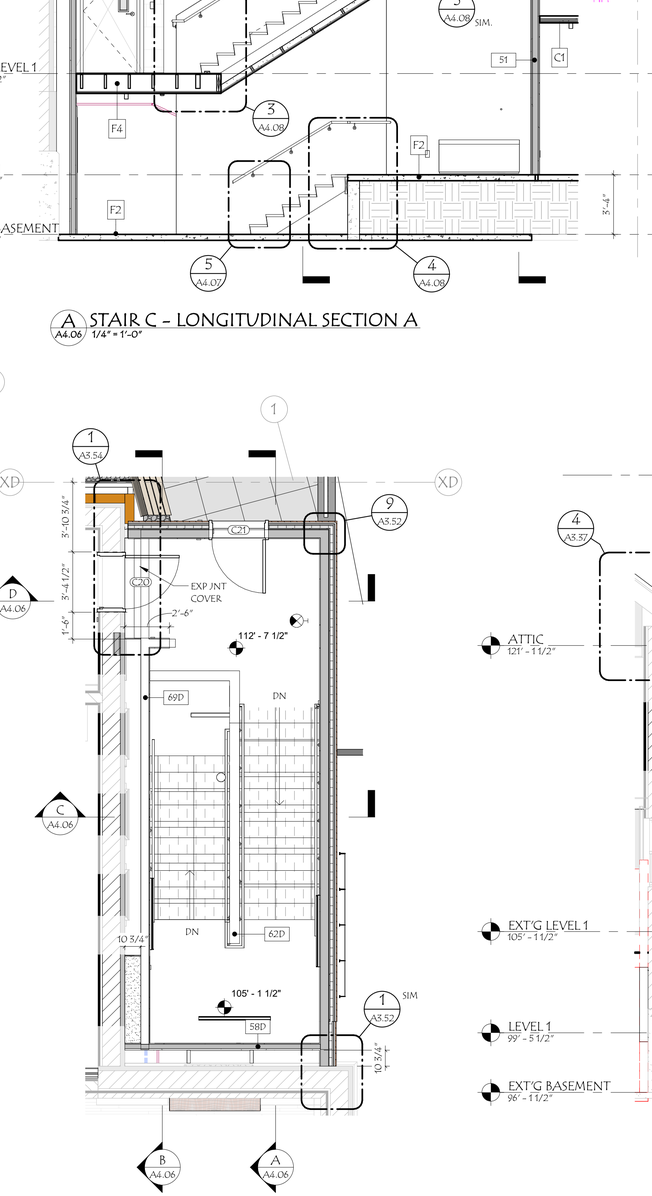
PRINTED: 1/24/2025 4:05:24 PM FILENAME: C:\Users\jbarnett\Documents\20230118_ILSLEY PUBLIC LIBRARY_21VA_CD_JBARNETT222.rvt



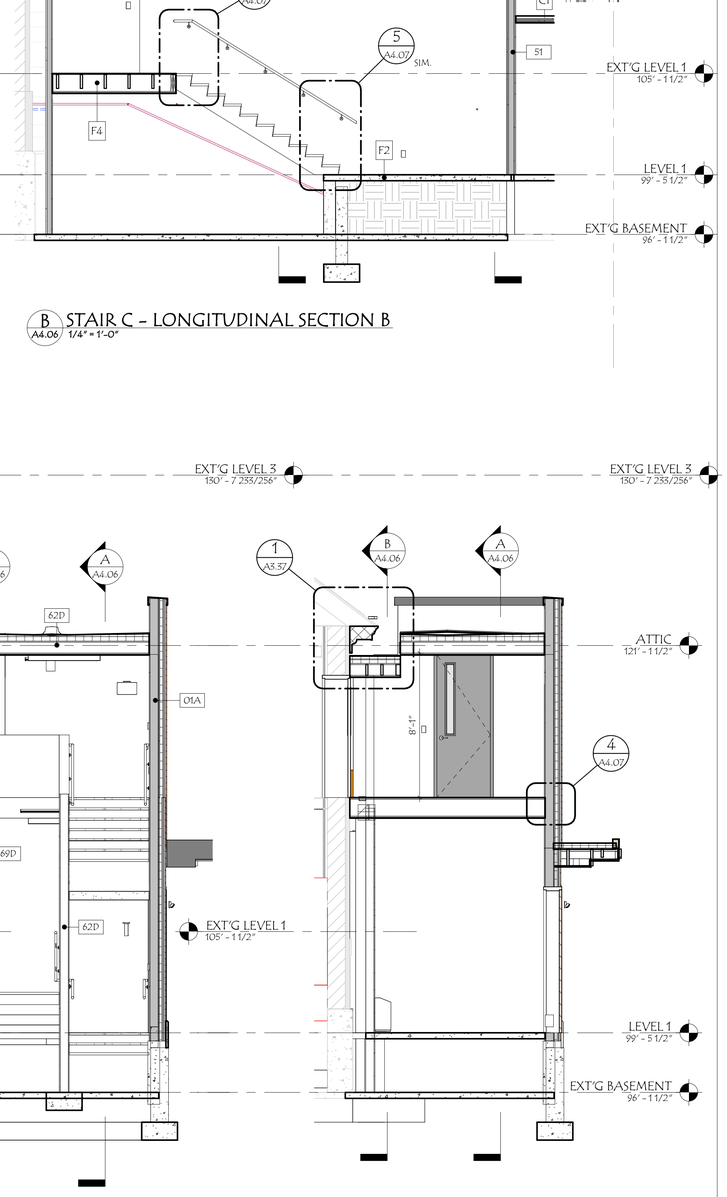
1 STAIR C - EXT'G BASEMENT PLAN
A4.06 1/4" = 1'-0"

2 STAIR C - LEVEL 1 FLOOR PLAN
A4.06 1/4" = 1'-0"

3 STAIR C - LEVEL 2 FLOOR PLAN
A4.06 1/4" = 1'-0"



A STAIR C - LONGITUDINAL SECTION A
A4.06 1/4" = 1'-0"



B STAIR C - LONGITUDINAL SECTION B
A4.06 1/4" = 1'-0"

C STAIR C - TRANSVERSE SECTION C
A4.06 1/4" = 1'-0"

D STAIR C - TRANSVERSE SECTION D
A4.06 1/4" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT STEVEN M. ROY NO. 3020 STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

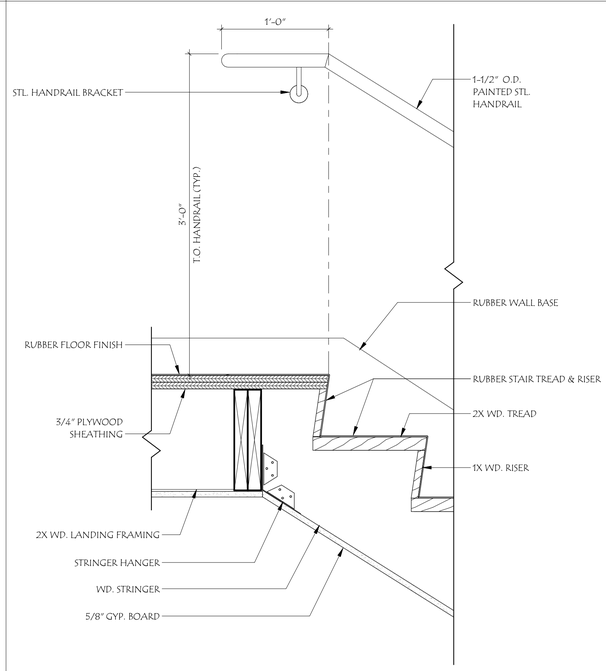
MIDDLEBURY, VERMONT

STAIR C PLANS & SECTIONS

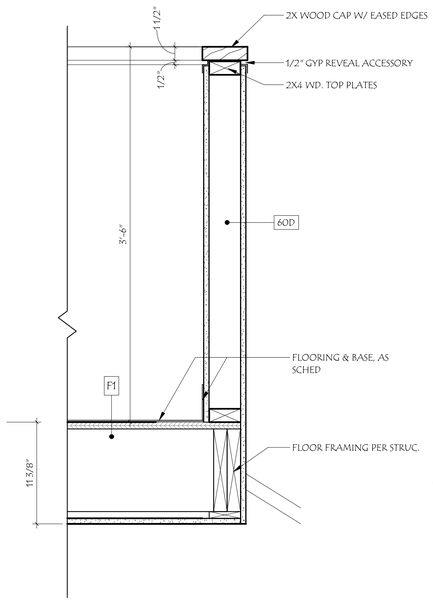
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	1/4" = 1'-0"

A4.06

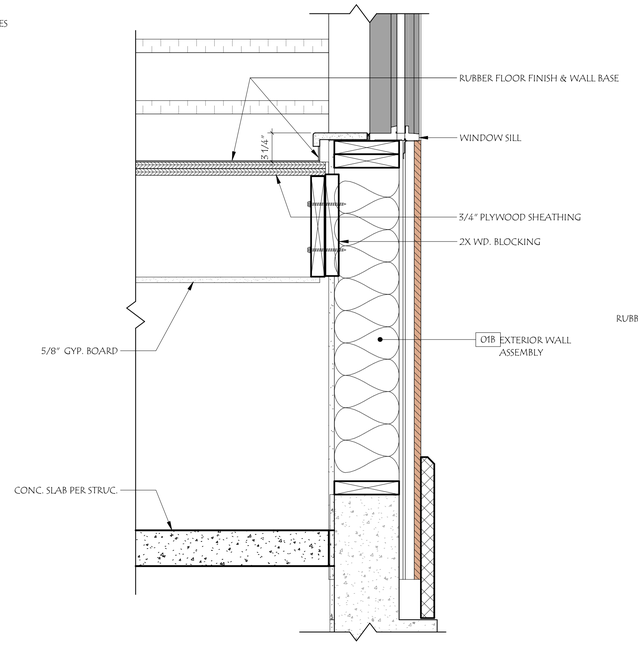
PRINTED: 1/24/2025 4:05:30 PM FILENAME: C:\Users\jlbonet\Documents\2023018_ILSLEY PUBLIC LIBRARY_KPA_CD_BARRETT222.rvt



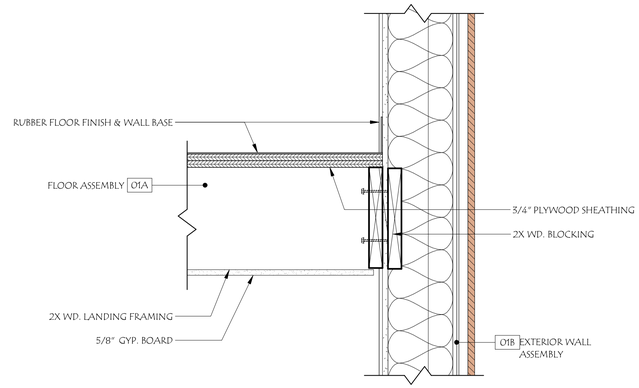
1 A4.07 INT. LANDING W/ HANDRAIL
1 1/2" = 1'-0"



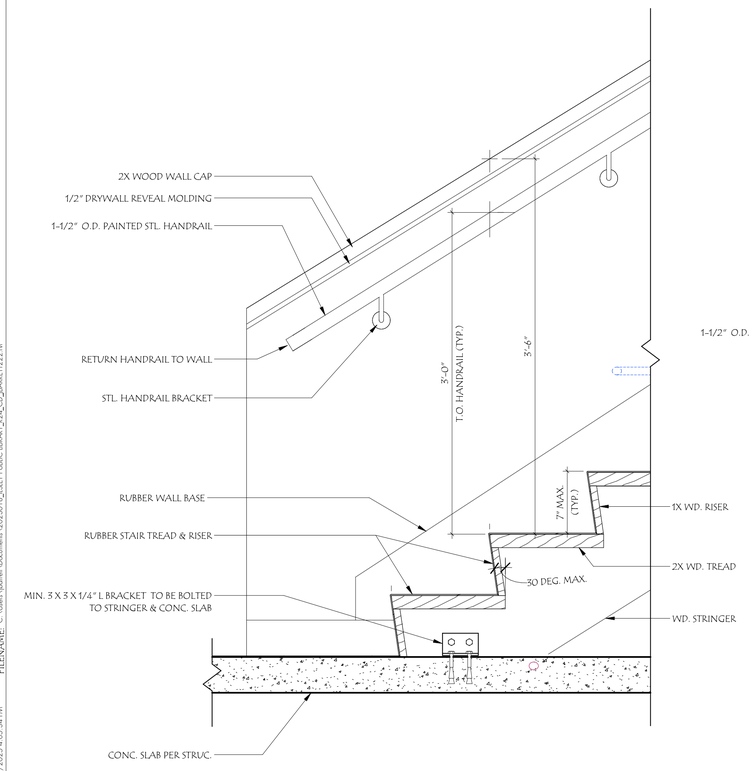
2 A4.07 PONY WALL @ FLOOR LEVEL LANDING
1 1/2" = 1'-0"



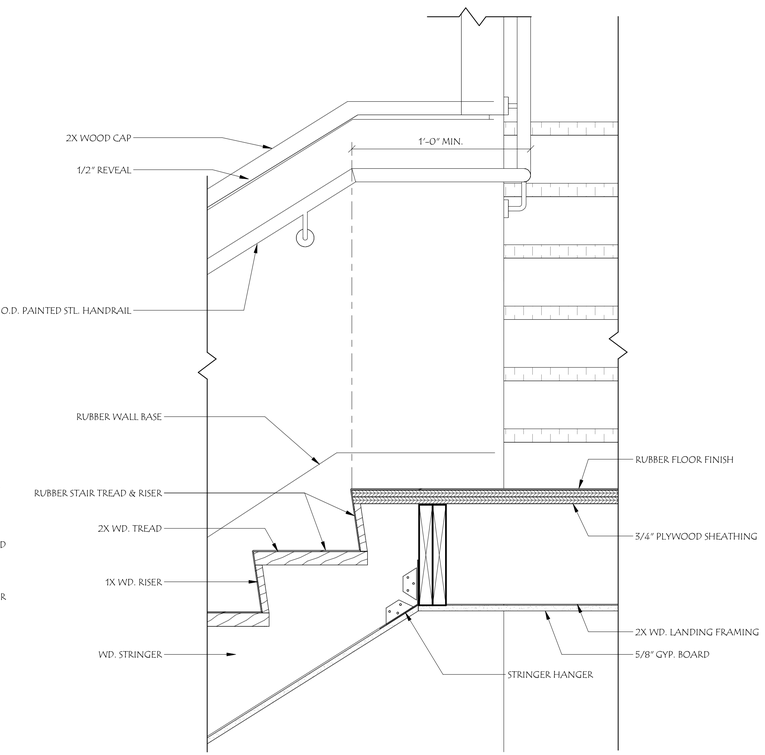
3 A4.07 INTERMEDIATE LANDING @ EXTERIOR WALL/WINDOW
1 1/2" = 1'-0"



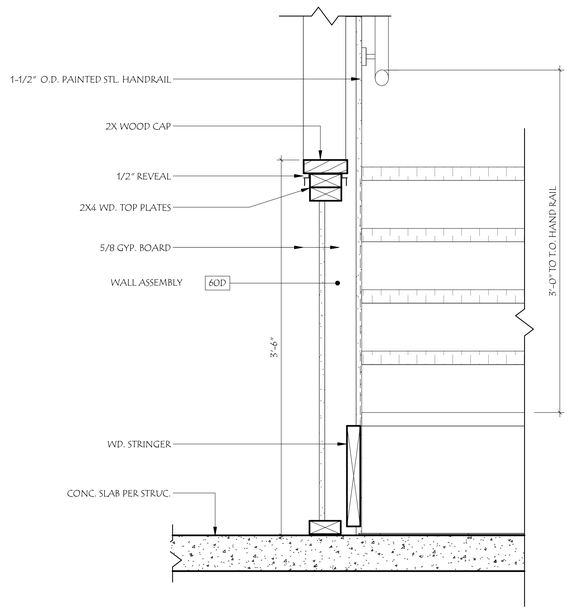
4 A4.07 STAIR LANDING @ EXTERIOR WALL
1 1/2" = 1'-0"



5 A4.07 STAIR LANDING @ SLAB W/ HANDRAIL
1 1/2" = 1'-0"



6 A4.07 STAIR @ INTERMEDIATE LEVEL LANDING
1 1/2" = 1'-0"



7 A4.07 PONY GUARD WALL
1 1/2" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST.
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT STEVEN M. ROY NO. 3020 STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

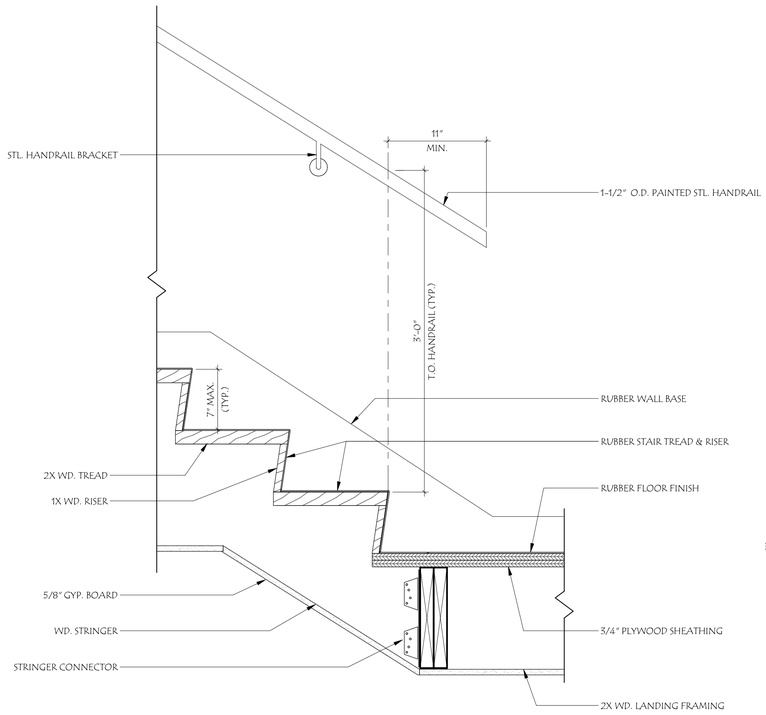
MIDDLEBURY, VERMONT

STAIRS B & C DETAILS

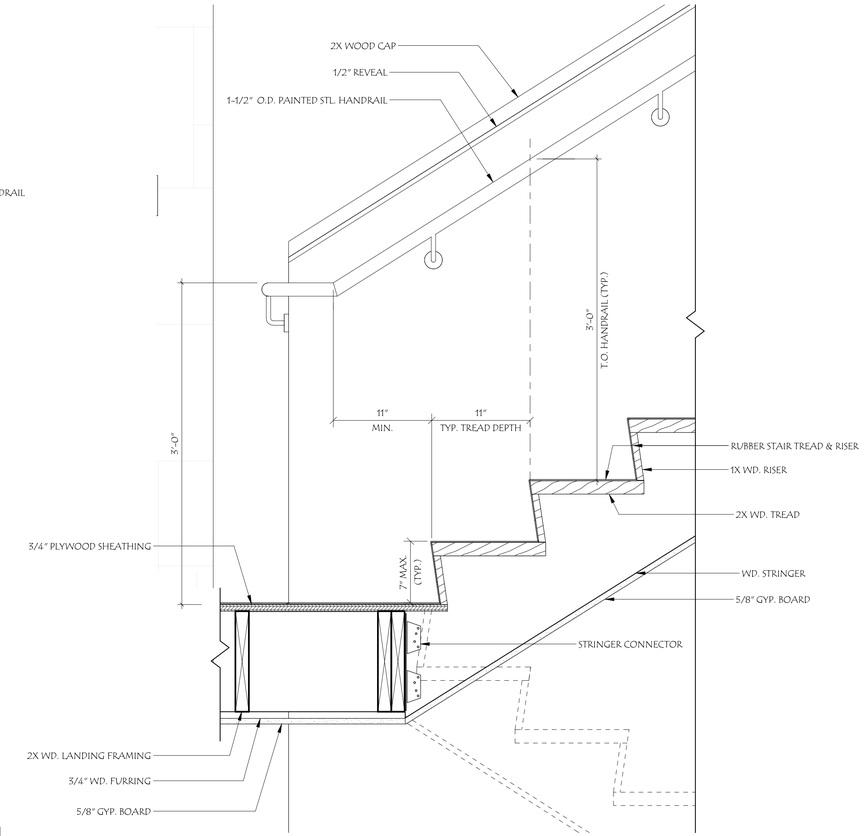
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	1 1/2" = 1'-0"

A4.07

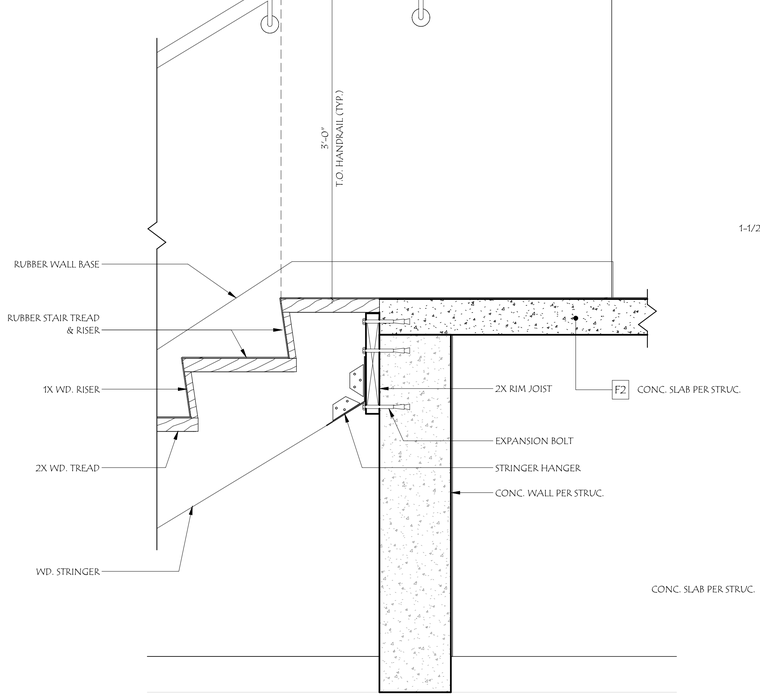
PRINTED: 1/24/2025 4:05:34 PM
FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_JBARNETT222.rvt



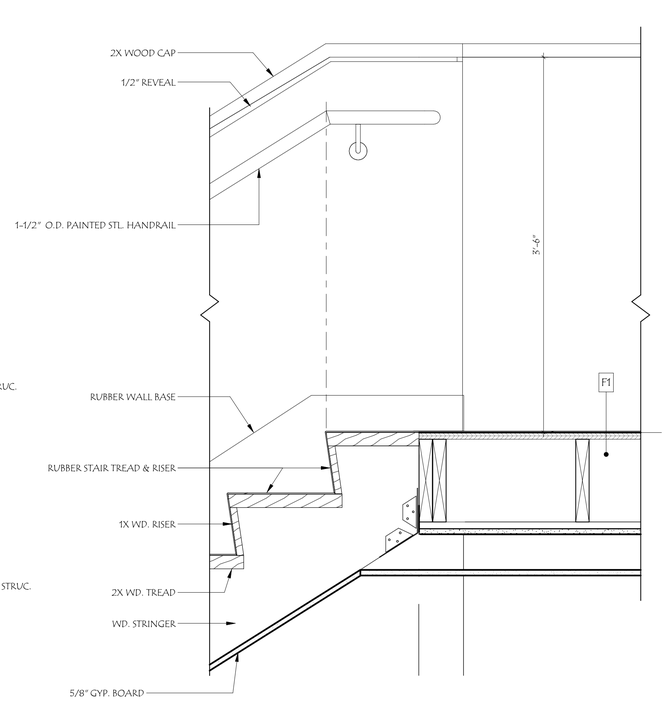
2 A4.08 STAIR @ INTERMEDIATE LANDING
1 1/2" = 1'-0"



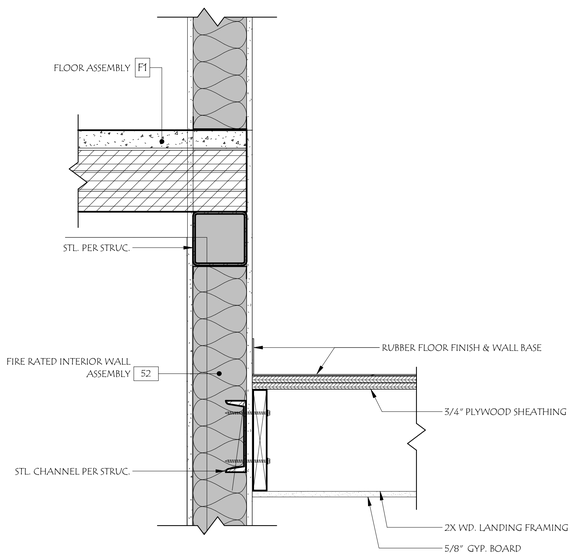
3 A4.08 INTERMEDIATE LANDING
1 1/2" = 1'-0"



4 A4.08 STAIR @ CONC. FLOOR LANDING
1 1/2" = 1'-0"



5 A4.08 STAIR LANDING @ FLOOR LEVEL LANDING
1 1/2" = 1'-0"



6 A4.08 STAIR LANDING @ INTERIOR WALL
1 1/2" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST.
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

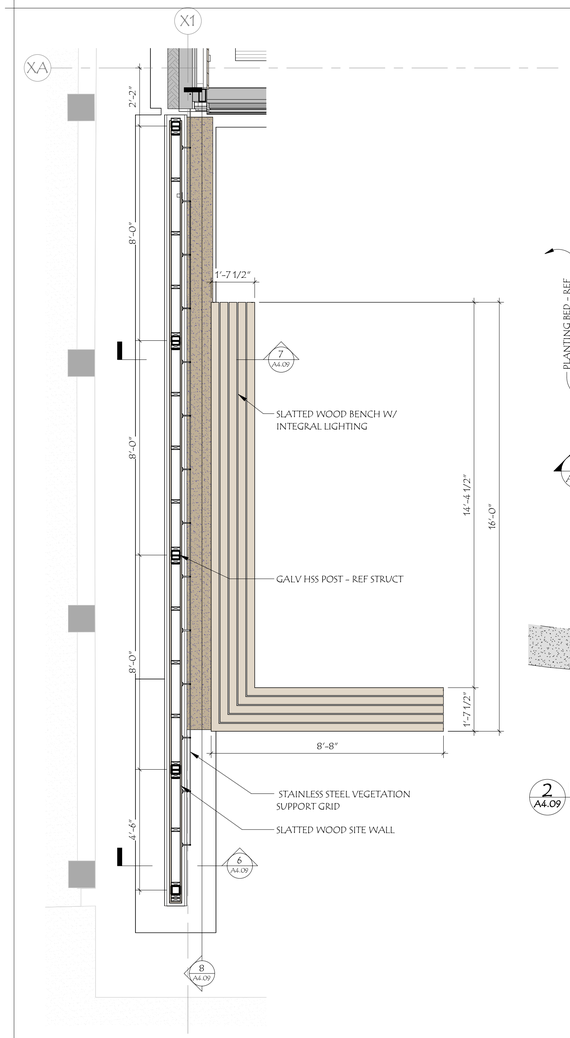
MIDDLEBURY, VERMONT

STAIRS B & C DETAILS

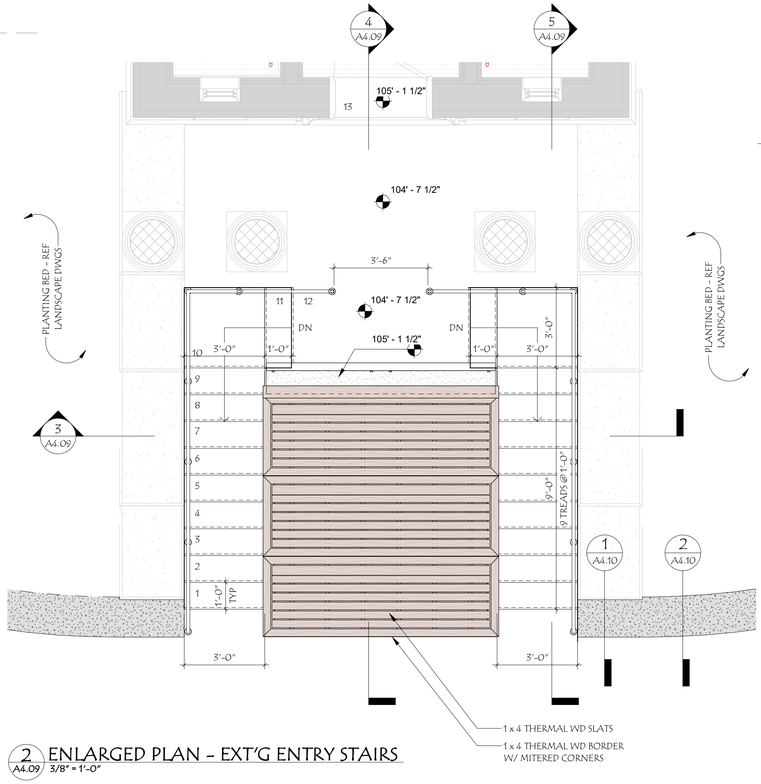
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	1 1/2" = 1'-0"

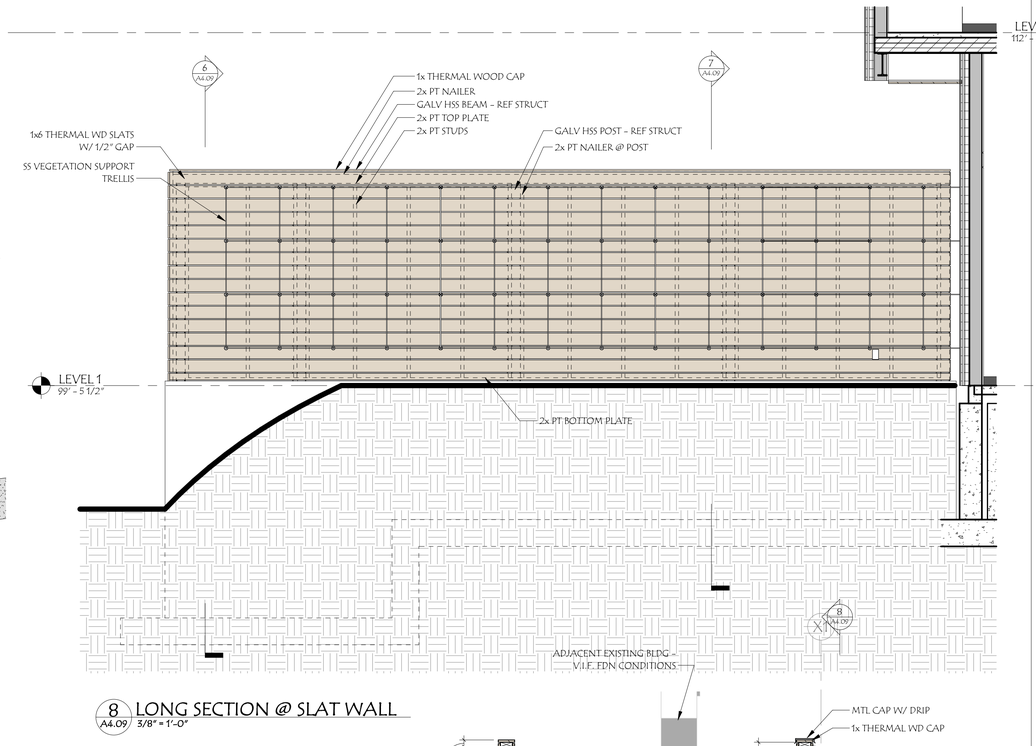
A4.08

PRINTED: 1/24/2025 4:05:37 PM
FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_BARRETT223.rvt



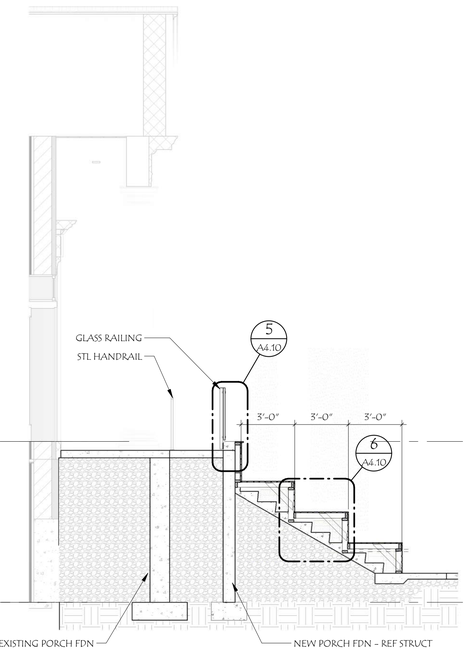
2 A4.09 ENLARGED PLAN - EXT'G ENTRY STAIRS
3/8" = 1'-0"





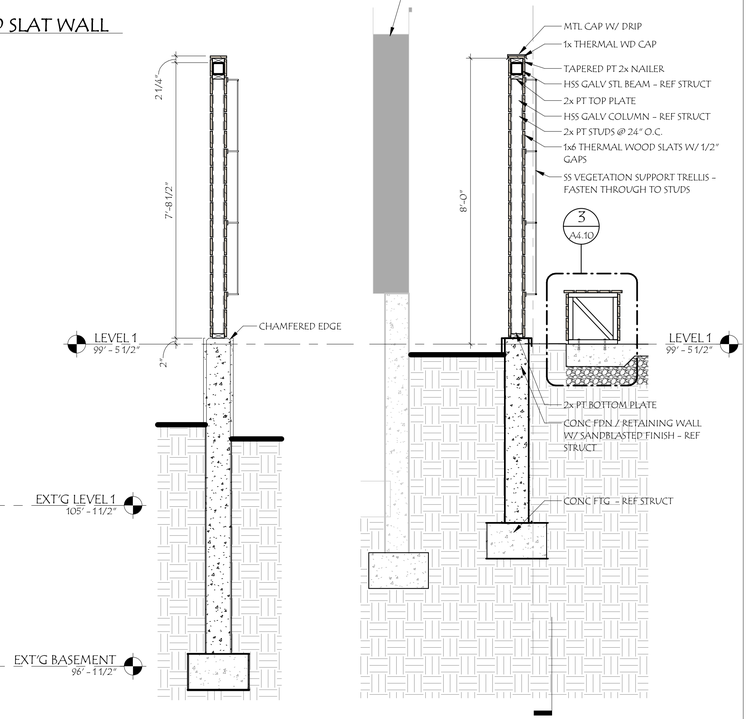
8 A4.09 LONG SECTION @ SLAT WALL
3/8" = 1'-0"

3 A4.09 TRANSVERSE SECTION @ ENTRY STAIR
1/4" = 1'-0"



4 A4.09 LONG SECTION @ BENCH SEATS
1/4" = 1'-0"

5 A4.09 LONG SECTION @ SIDE STAIRS
1/4" = 1'-0"



6 A4.09 SECTION @ SLAT WALL
1/2" = 1'-0"

7 A4.09 SECTION @ SLAT WALL
1/2" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. MAY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

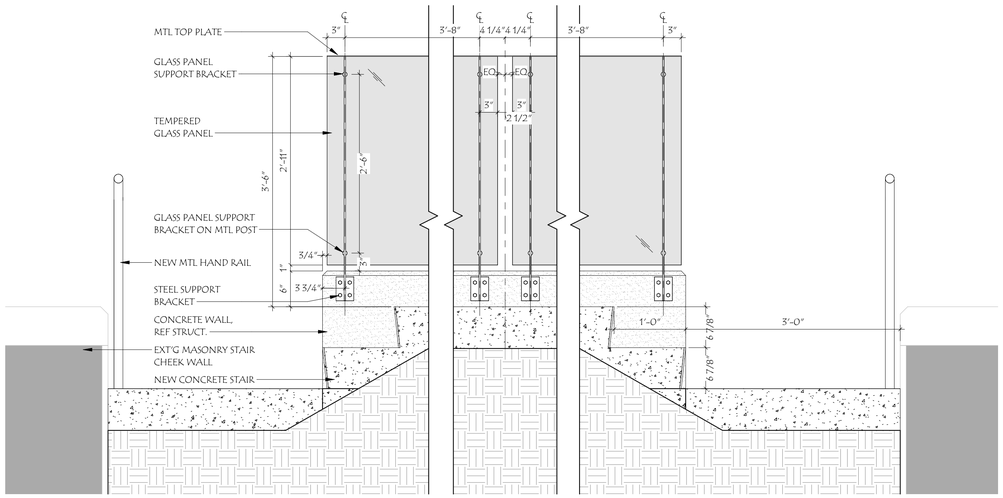
MIDDLEBURY, VERMONT

EXTERIOR STAIRS & LANDSCAPE FEATURES - PLANS & SECTIONS

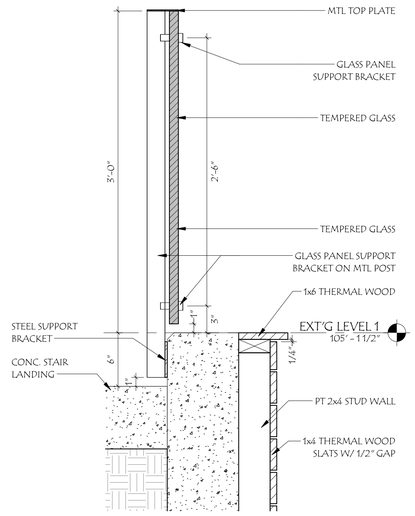
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	As indicated

A4.09

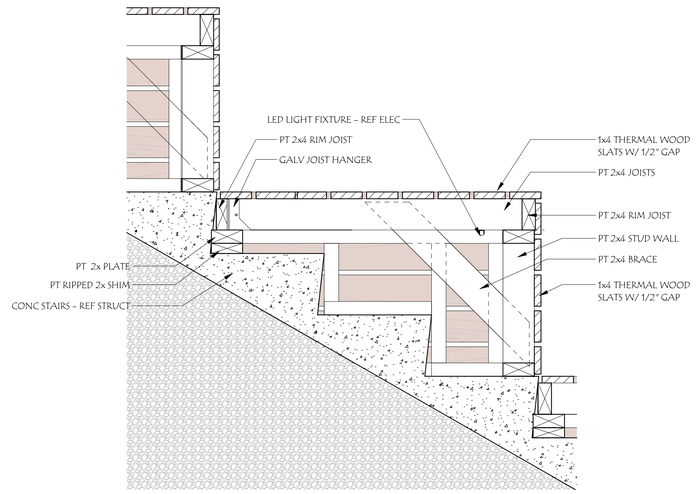
FILENAME: C:\Users\jbennett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_BJABBETT22.rvt
PRINTED: 1/24/2025 4:05:46 PM



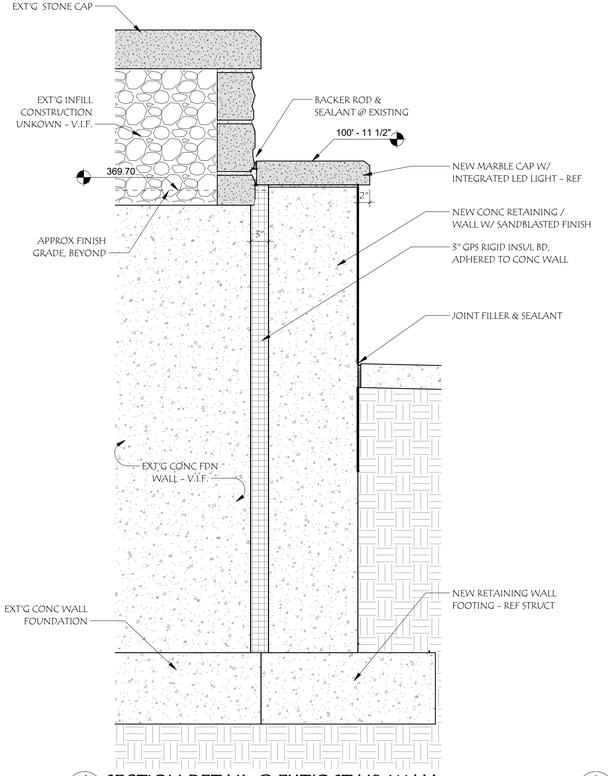
4 SECTION DETAIL @ EXISTING ENTRY STAIR RAILING
A4.10 1" = 1'-0"



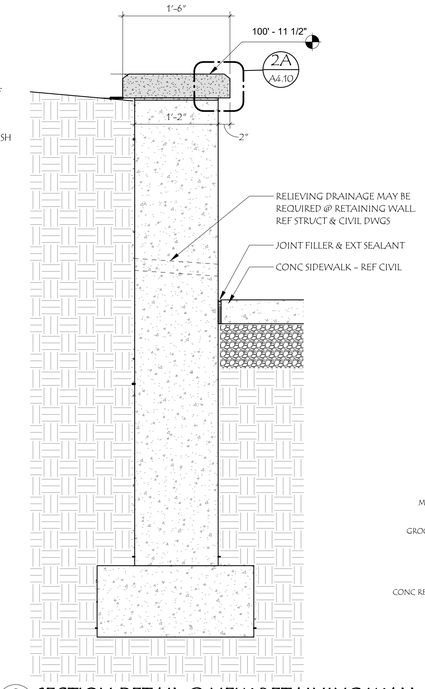
5 SECTION DETAIL @ EXISTING ENTRY STAIR RAILING
A4.10 1 1/2" = 1'-0"



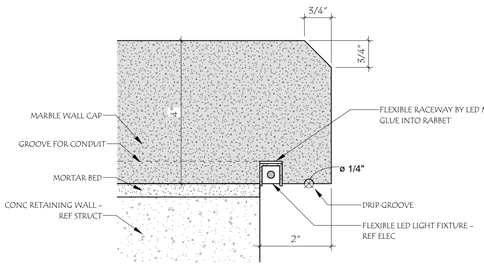
6 SECTION DETAIL @ EXISTING ENTRY STAIR BENCH
A4.10 1 1/2" = 1'-0"



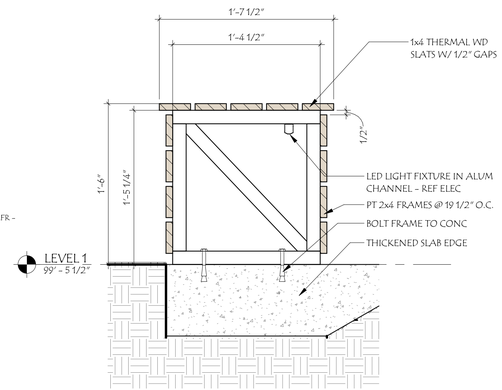
1 SECTION DETAIL @ EXT'G STAIR WALL
A4.10 1" = 1'-0"



2 SECTION DETAIL @ NEW RETAINING WALL
A4.10 1" = 1'-0"



2A ENLARGED SECTION @ WALL CAP
A4.10 6" = 1'-0"



3 SECTION DETAIL @ LANDSCAPE BENCH
A4.10 1 1/2" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST.
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

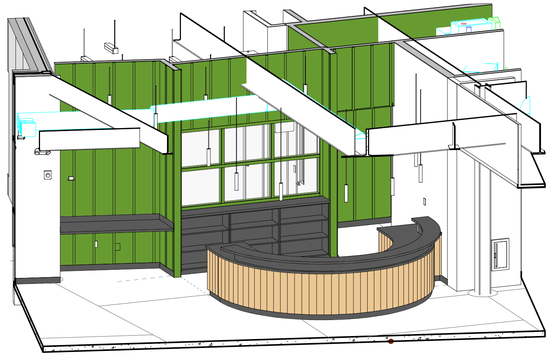
MIDDLEBURY, VERMONT

EXTERIOR STAIRS & LANDSCAPE FEATURES - DETAILS

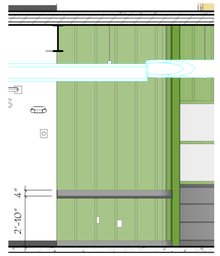
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	As indicated

A4.10

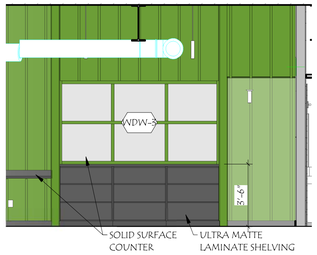
PRINTED: 1/24/2025 4:05:52 PM FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_jbARRETT22.rvt



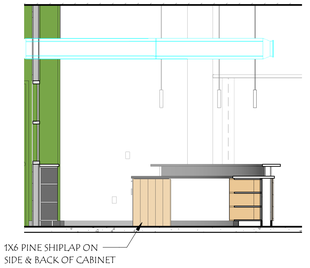
2 A4.11 WELCOME DESK 3D



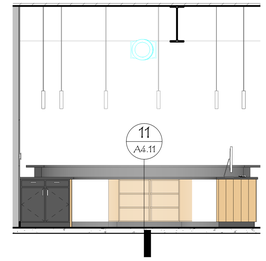
5 PUBLIC COMPUTER
1/4" = 1'-0"



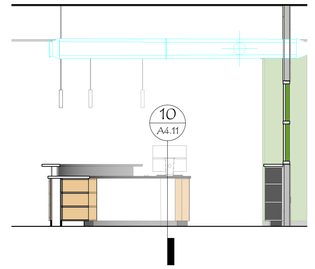
6 WELCOME DESK SHELVES
1/4" = 1'-0"



7 WELCOME DESK - E 2
1/4" = 1'-0"



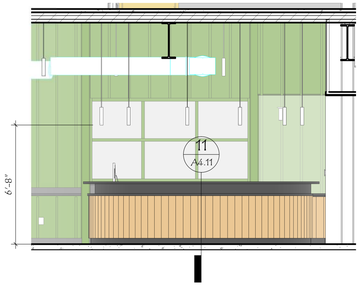
8 WELCOME DESK - S.
1/4" = 1'-0"



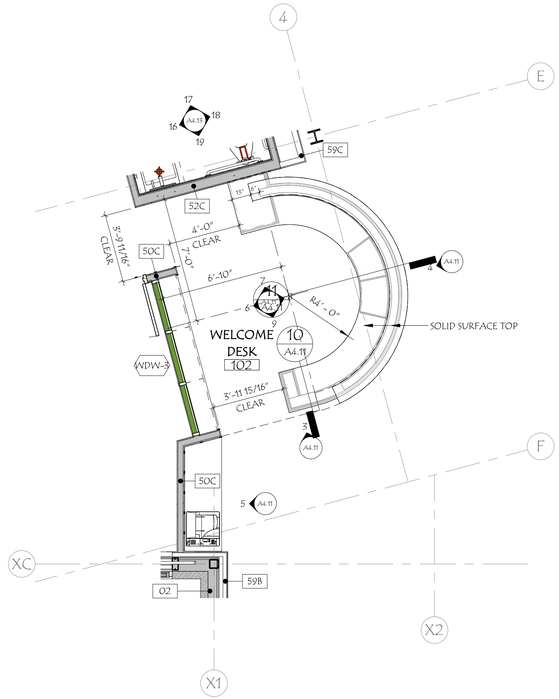
9 WELCOME DESK - W
1/4" = 1'-0"



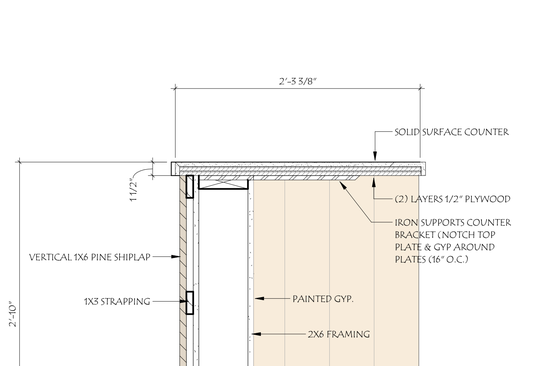
3 WELCOME DESK - E.
1/4" = 1'-0"



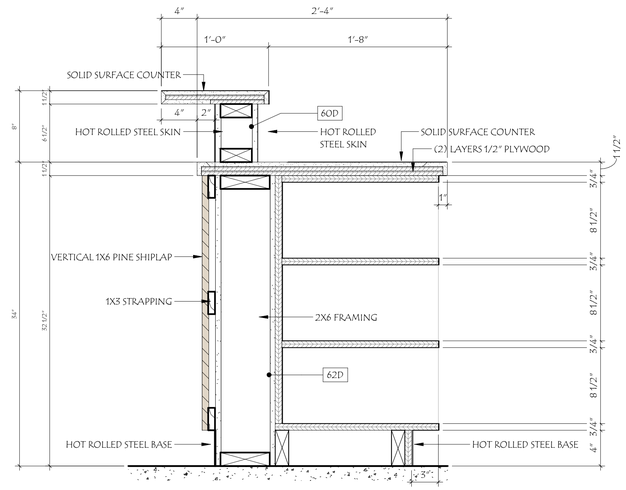
4 WELCOME DESK - N.
1/4" = 1'-0"



1 A4.11 WELCOME DESK ENLARGED PLAN
1/4" = 1'-0"



10 A4.11 ADA CHECKOUT DESK SECTION
1 1/2" = 1'-0"



11 A4.11 TYPICAL CHECKOUT DESK SECTION
1 1/2" = 1'-0"

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANIA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. WRIGHT
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

WELCOME DESK ENLARGED PLAN & ELEVATIONS

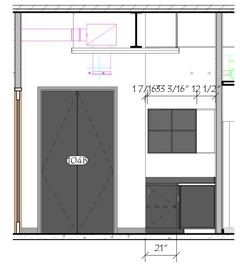
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SWR
DRAWN BY:	KG
SCALE:	As indicated

A4.11

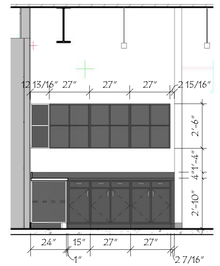
PRINTED: 1/24/2025 4:06:00 PM
FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_jBARRETT22.rvt



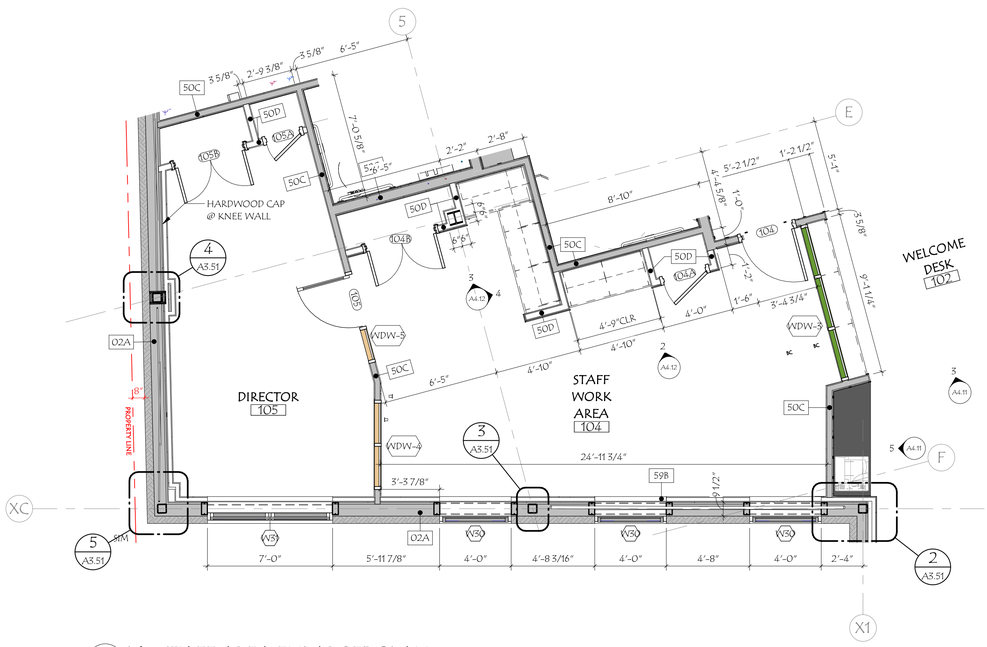
2 STAFF WORK AREA 1
1/4" = 1'-0"



3 STAFF WORK AREA 2
1/4" = 1'-0"



4 STAFF WORK AREA 3
1/4" = 1'-0"



1 L1 - STAFF AREA ENLARGED PLAN
A4.12 1/4" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

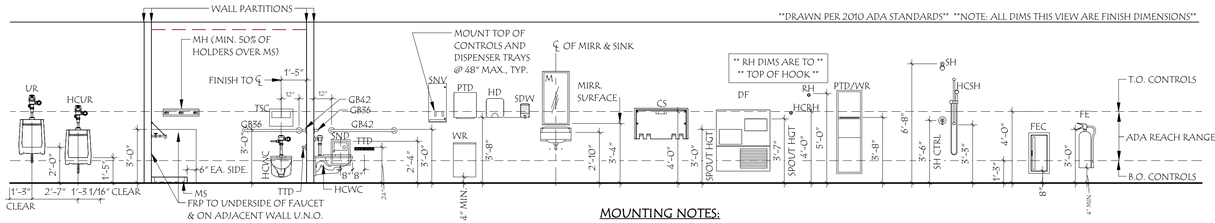
MIDDLEBURY, VERMONT

STAFF WORK AREA ENLARGED PLANS & ELEVATIONS

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	KG
SCALE:	1/4" = 1'-0"

A4.12

PRINTED: 1/24/2025 4:06:06 PM
FILENAME: C:\Users\jkennell\Documents\20230118_ILSLEY PUBLIC LIBRARY_R24_CD_BARRETT223.rvt



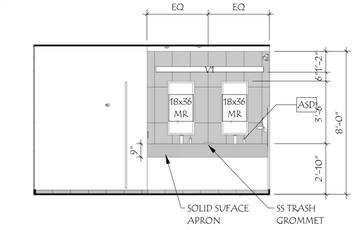
MOUNTING NOTES:

- CONTRACTOR TO PROVIDE IN-WALL BLOCKING FOR **ALL** FIXTURES AND ACCESSORIES, INCLUDING FOR ACCESSORIES PROVIDED BY OWNER.

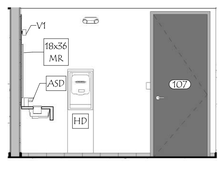
TOILET ROOM ACCESSORIES ABBREVIATIONS	
ABBV	DESCRIPTION
CS	BABY CHANGING STATION
FTD	FACIAL TISSUE DISPENSER
GB[XX]	GRAB BAR[XX (LENGTH OF BAR IN INCHES)]
HCRH	ADA ACCESSIBLE ROBE HOOK
HCUR	ADA ACCESSIBLE URINAL
HCWC	ADA ACCESSIBLE WATER CLOSET
HD	HAND DRYER
M	MIRROR
MH	MOP HOLDER
PTD	PAPER TOWEL DISPENSER
PTD/WR	COMBINATION UNIT: PAPER TOWEL DISPENSER / WASTE RECEPTACLE

TOILET ROOM ACCESSORIES ABBREVIATIONS	
ABBV	DESCRIPTION
RH	ROBE HOOK
SDC	SOAP DISPENSER, COUNTER MOUNTED
SDW	SOAP DISPENSER, WALL MOUNTED
SND	SANITARY NAPKIN DISPOSAL
SNV	SANITARY NAPKIN VENDOR / DISPENSER
TB[XX]	TOWER BAR[XX (LENGTH OF BAR IN INCHES)]
TSC	TOILET SEAT COVER DISPENSER
TTD-X	TOILET TISSUE (PAPER) DISPENSER [-X (# OF ROLLS)]
UR	URINAL
WC	WATER CLOSET
WR	WASTE RECEPTACLE

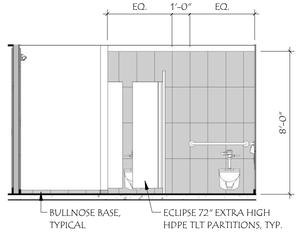
FIXTURE MOUNTING LEGEND
1/4" = 1'-0"



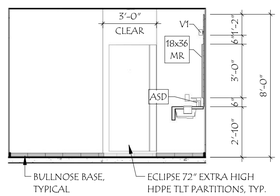
4 WOMEN'S RM - NORTH
1/4" = 1'-0"



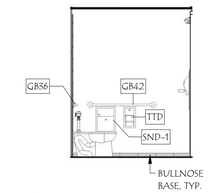
5 WOMEN'S RM - EAST
1/4" = 1'-0"



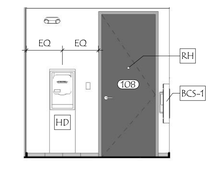
6 WOMEN'S RM - SOUTH
1/4" = 1'-0"



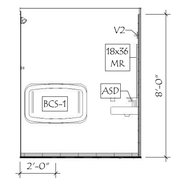
7 WOMEN'S RM - WEST
1/4" = 1'-0"



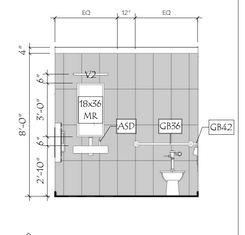
8 FAM - NORTH
1/4" = 1'-0"



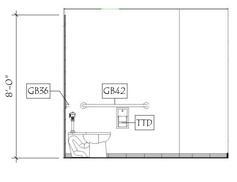
9 FAM - EAST
1/4" = 1'-0"



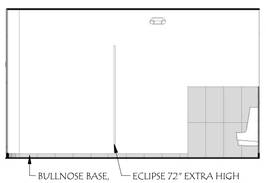
10 FAM - SOUTH
1/4" = 1'-0"



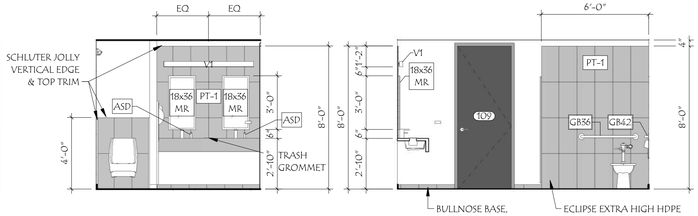
11 FAM - WEST
1/4" = 1'-0"



12 MEN'S RM - NORTH
1/4" = 1'-0"

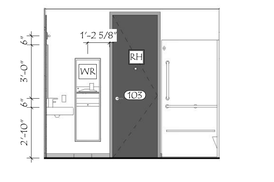


13 MEN'S - EAST
1/4" = 1'-0"

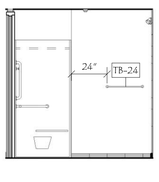


14 MEN'S RM - SOUTH
1/4" = 1'-0"

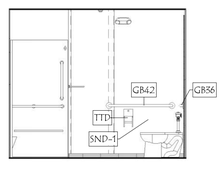
15 MEN'S ROOM - WEST
1/4" = 1'-0"



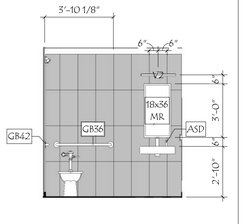
16 STAFF BR - NORTH
1/4" = 1'-0"



17 STAFF BR - EAST
1/4" = 1'-0"



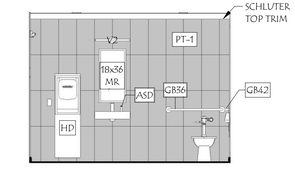
18 STAFF BR - SOUTH
1/4" = 1'-0"



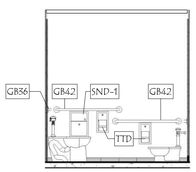
19 STAFF BR - WEST
1/4" = 1'-0"



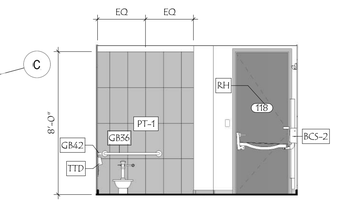
1 L1 - RESTROOMS
A4.13 1/4" = 1'-0"



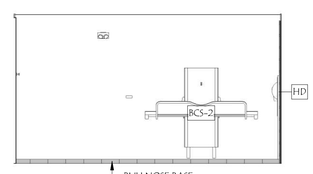
20 FAM RR - NORTH
1/4" = 1'-0"



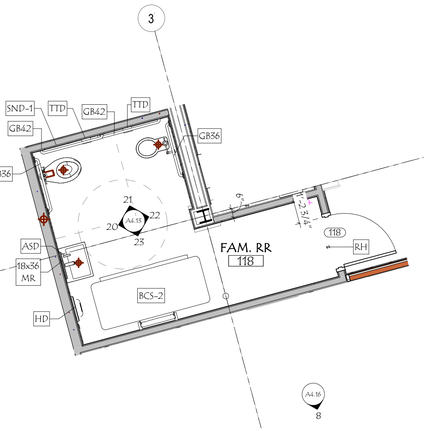
21 FAM RR - EAST
1/4" = 1'-0"



22 FAM RR - SOUTH
1/4" = 1'-0"



23 FAM RR - WEST
1/4" = 1'-0"



3 L1 FAMILY BATHROOM
A4.13 1/4" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

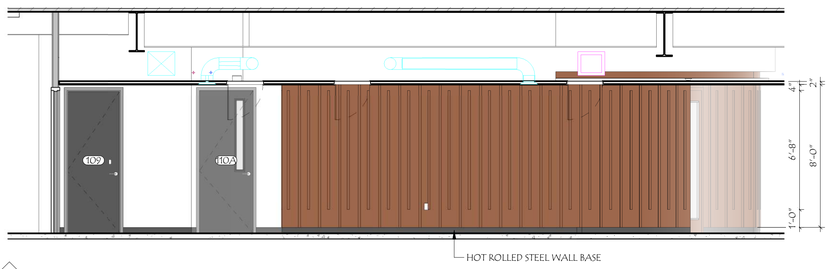
MIDDLEBURY, VERMONT

BATHROOM ENLARGED PLANS & ELEVATIONS

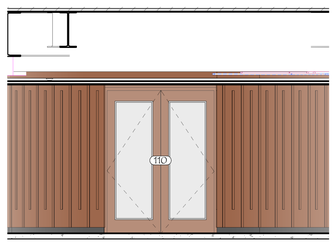
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	KG
SCALE:	1/4" = 1'-0"

A4.13

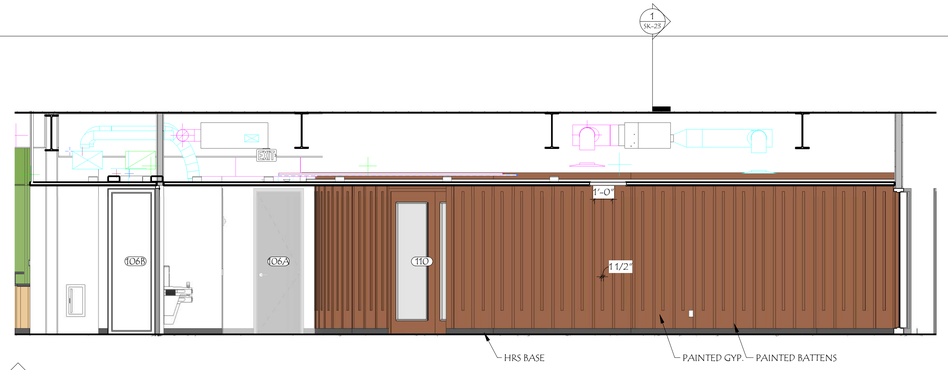
PRINTED: 1/24/2025 4:06:21 PM FILENAME: C:\Users\jbonnell\Documents\2023018_ILSLEY PUBLIC LIBRARY_R14_CD_BARRETT222.rvt



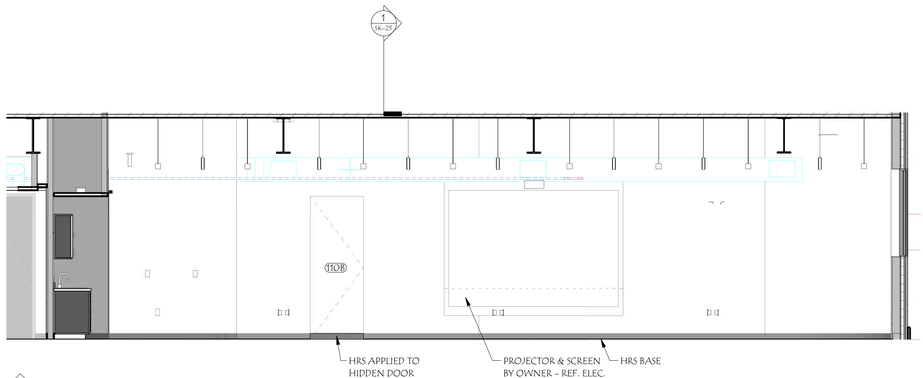
5 CORRIDOR - EAST
1/4" = 1'-0"



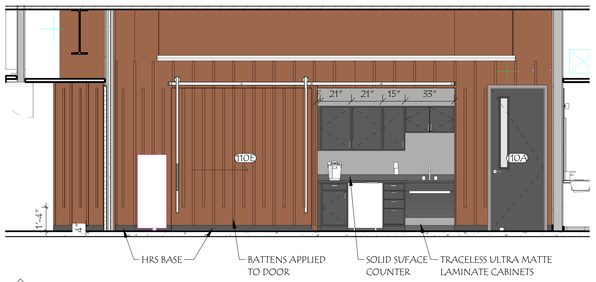
6 COMM. RM. ENTRANCE
1/4" = 1'-0"



7 CORRIDOR - NORTH
1/4" = 1'-0"



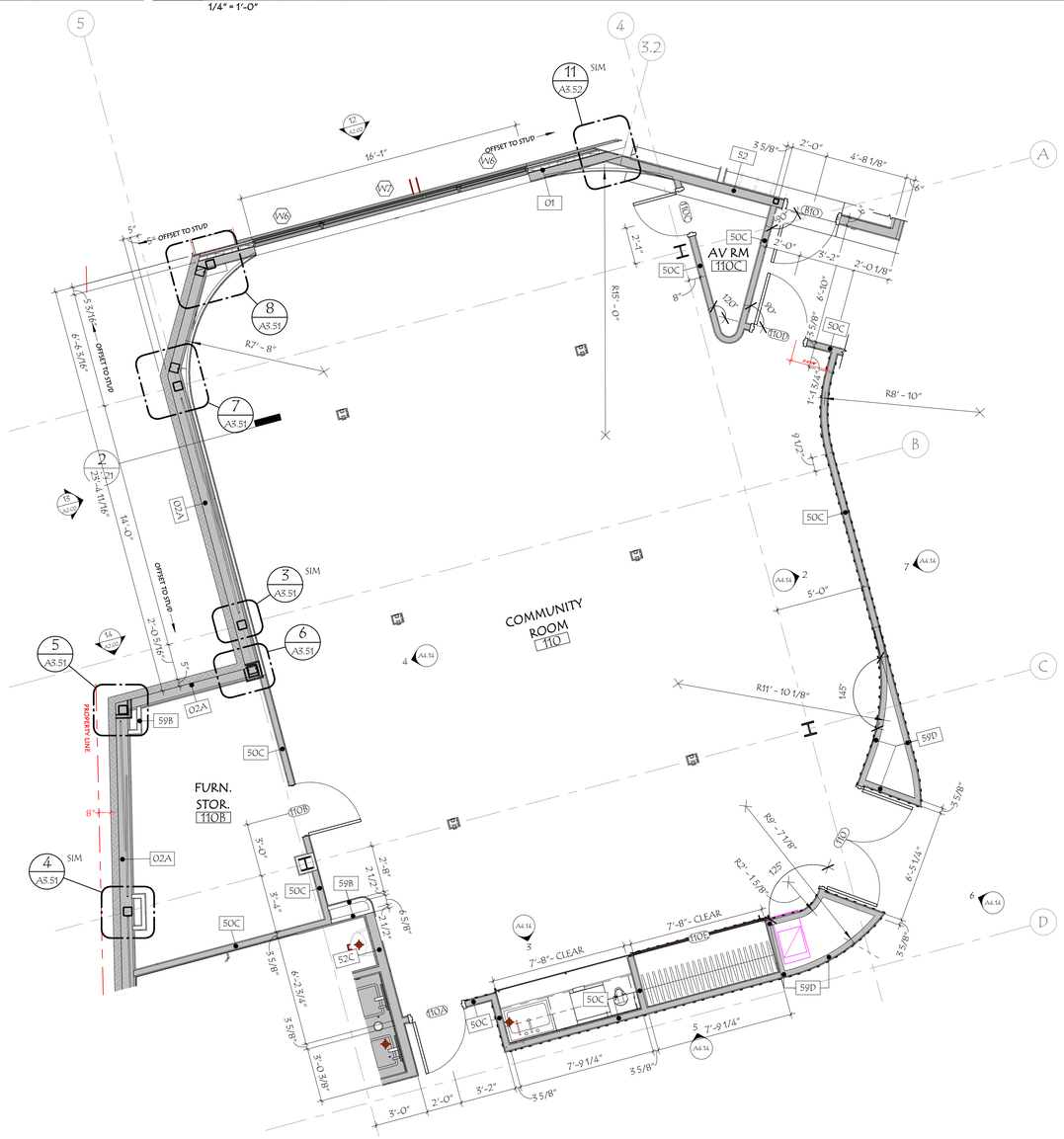
4 COMMUNITY ROOM SCREEN WALL
1/4" = 1'-0"



3 COMMUNITY ROOM KITCHENETTE
1/4" = 1'-0"



2 COMMUNITY ROOM - SOUTH
1/4" = 1'-0"



1 ENLARGED COMMUNITY ROOM PLAN
A4.14 1/4" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

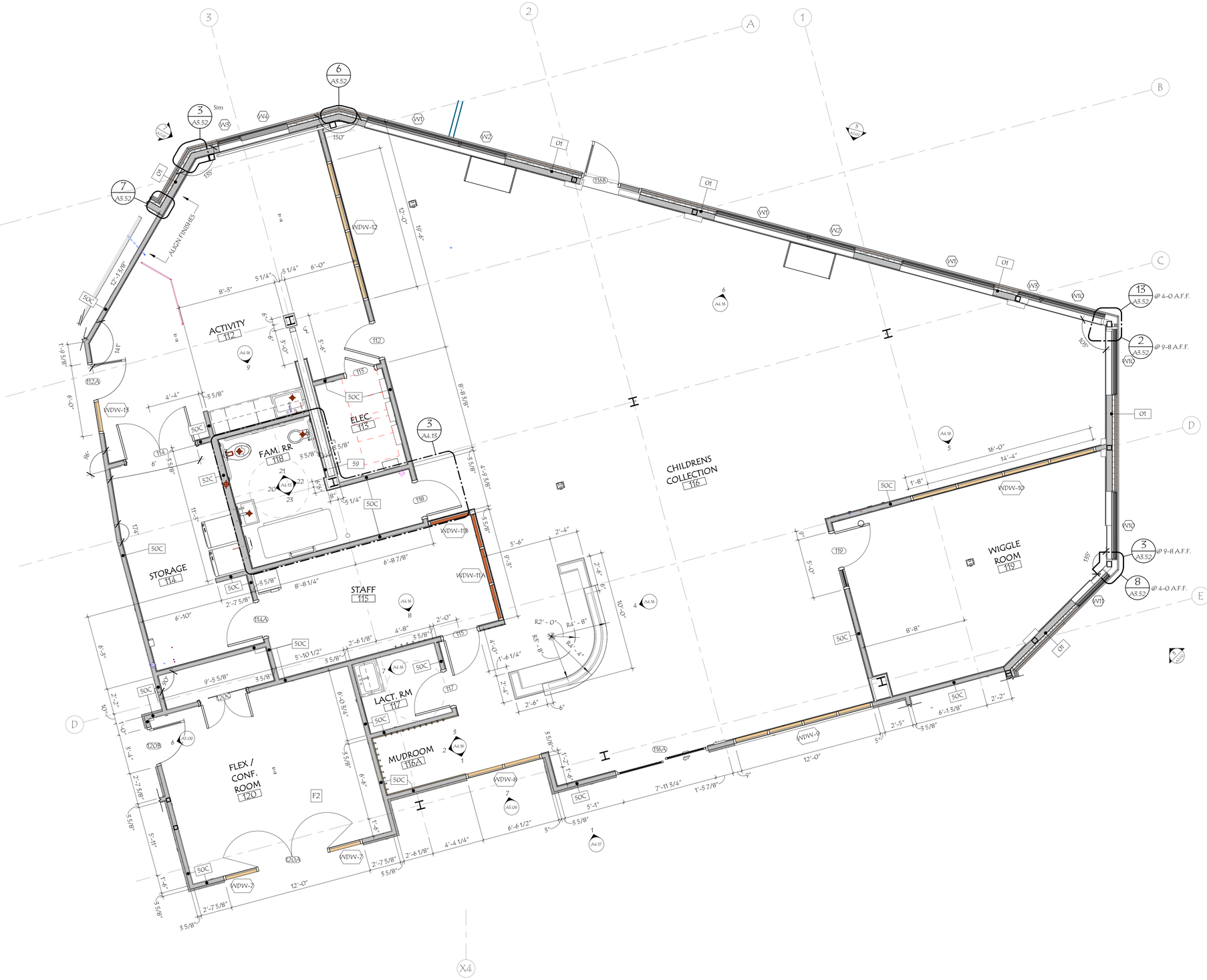
MIDDLEBURY, VERMONT

COMMUNITY ROOM ENLARGED PLANS & ELEVATIONS

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	KG
SCALE:	1/4" = 1'-0"

A4.14

PRINTED: 1/24/2025 4:06:39 PM FILENAME: C:\Users\kjonnet\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_jBARRETT222.rvt



1 CHILDREN'S COLLECTION ENLARGED PLAN
A4.15 1/4" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANIA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

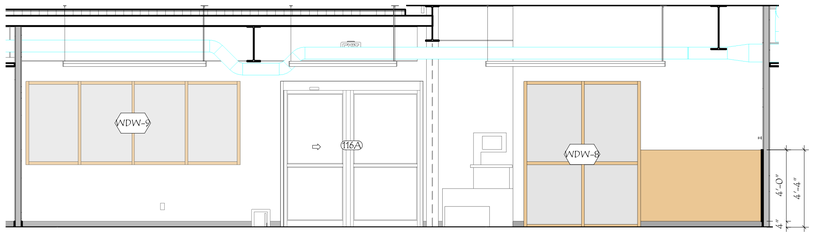
MIDDLEBURY, VERMONT

CHILDREN'S COLLECTION ENLARGED PLAN

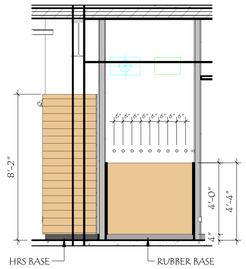
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	KG
SCALE:	1/4" = 1'-0"

A4.15

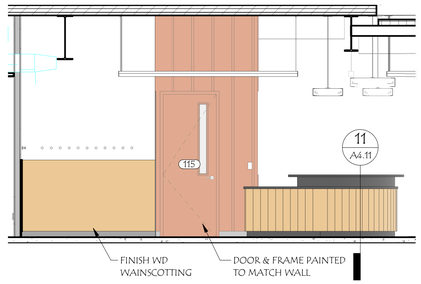
PRINTED: 1/24/2025 4:06:35 PM FILENAME: C:\Users\jbarnett\Documents\20230118_ILSLEY PUBLIC LIBRARY_EXA_CD_JBARRETT22.rvt



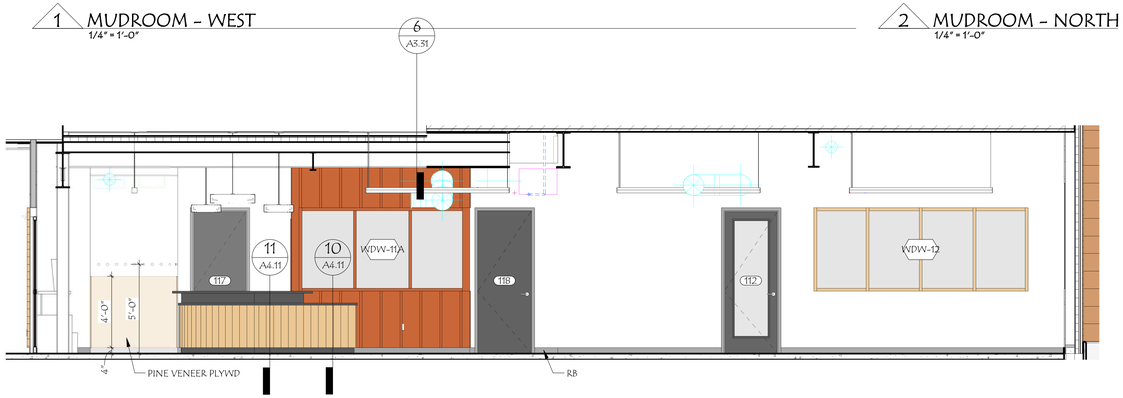
1 MUDROOM - WEST
1/4" = 1'-0"



2 MUDROOM - NORTH
1/4" = 1'-0"



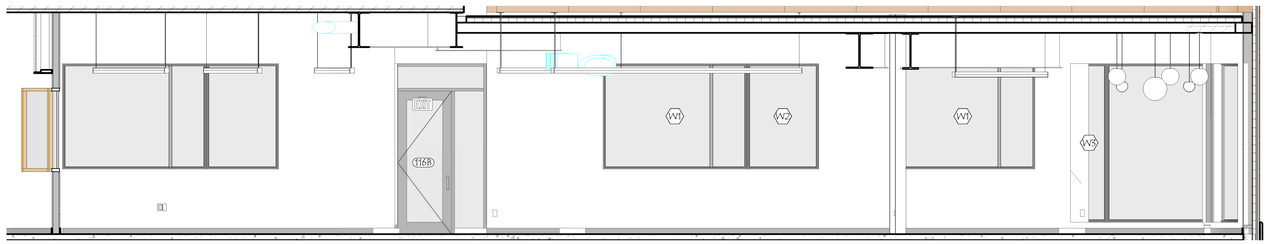
3 MUDROOM - EAST
1/4" = 1'-0"



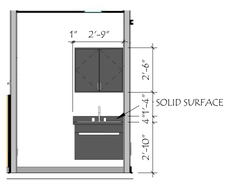
4 CHILDREN'S COLLECTION - NORTH
1/4" = 1'-0"



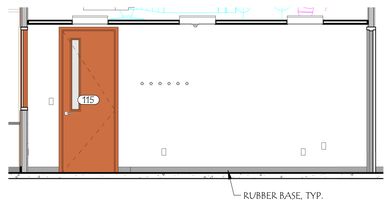
5 CHILDREN'S - WEST
1/4" = 1'-0"



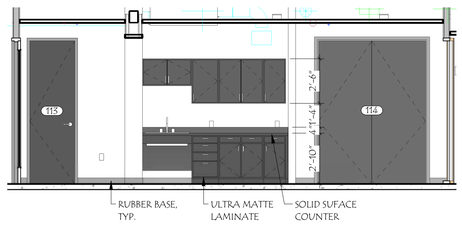
6 CHILDREN'S - S.E.
1/4" = 1'-0"



7 LACTATION RM
1/4" = 1'-0"



8 STAFF - WEST
1/4" = 1'-0"



9 ACTIVITY KITCHENETTE
1/4" = 1'-0"

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. RAY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

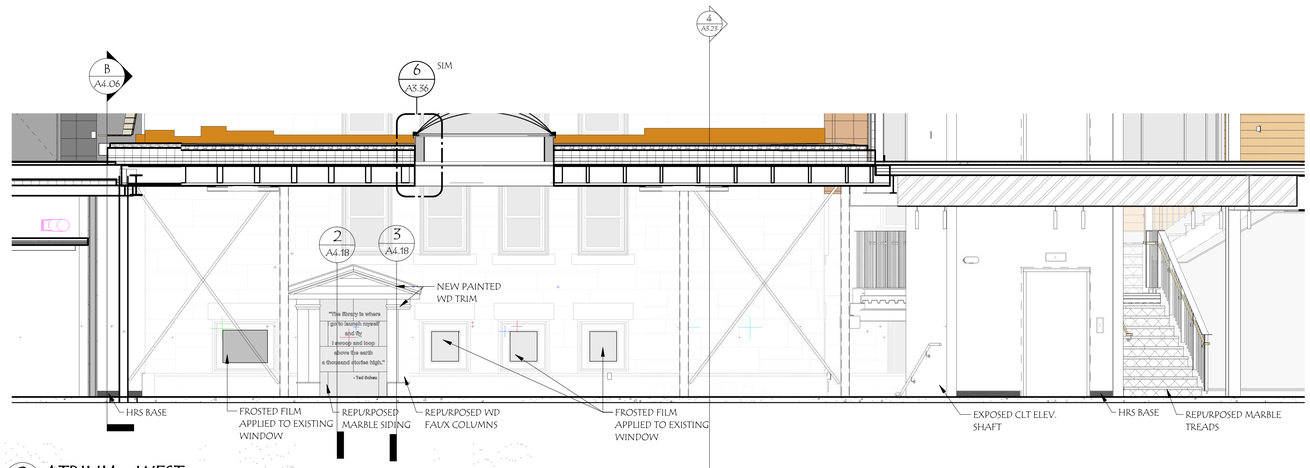
MIDDLEBURY, VERMONT

CHILDREN'S COLLECTION ELEVATIONS

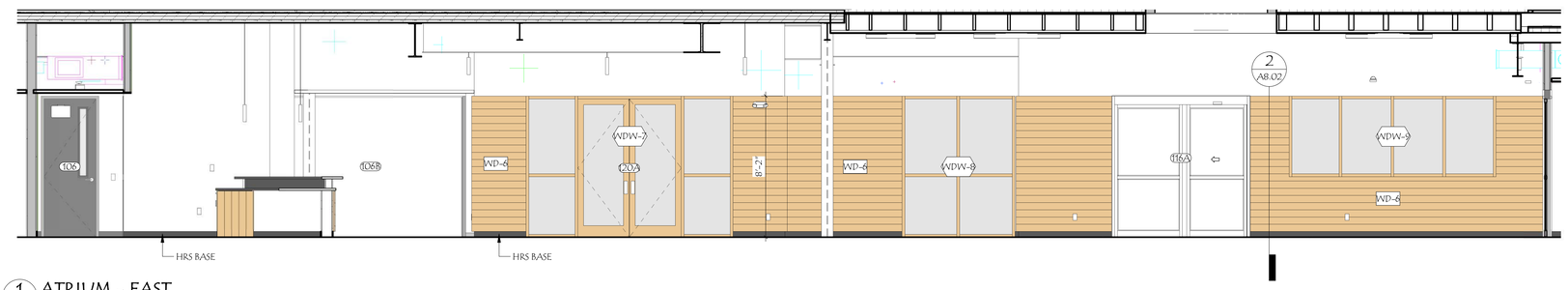
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	1/4" = 1'-0"

A4.16

PRINTED: 1/24/2025 4:06:43 PM FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_JBARRETT22.rvt



2 A4.17 ATRIUM - WEST
1/4" = 1'-0"



1 A4.17 ATRIUM - EAST
1/4" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANIA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

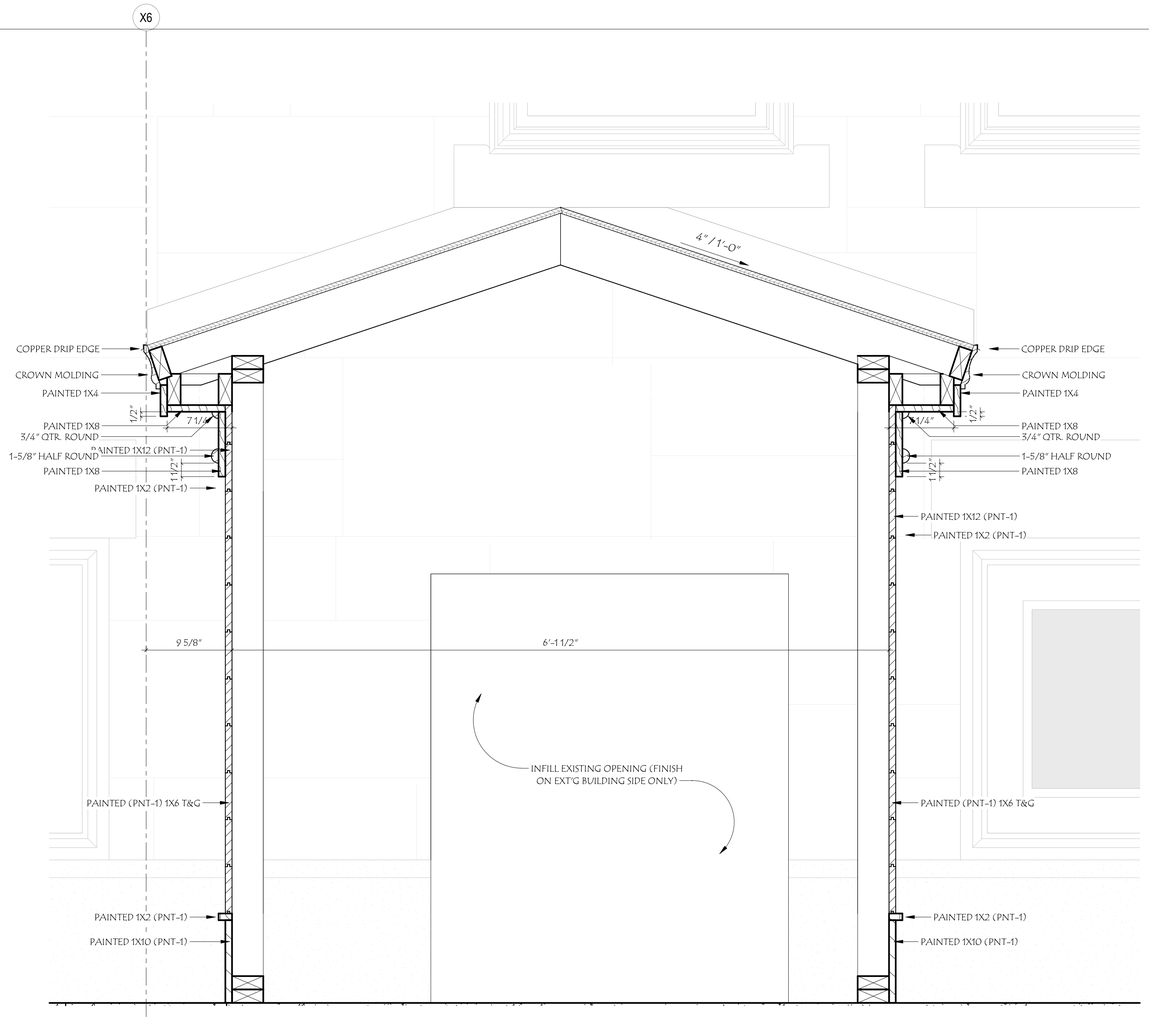
MIDDLEBURY, VERMONT

ATRIUM INTERIOR ELEVATIONS & DETAILS

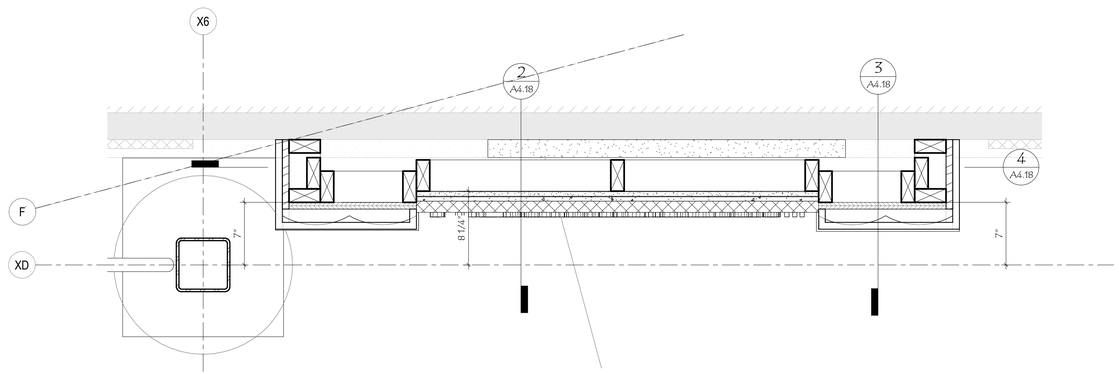
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	1/4" = 1'-0"

A4.17

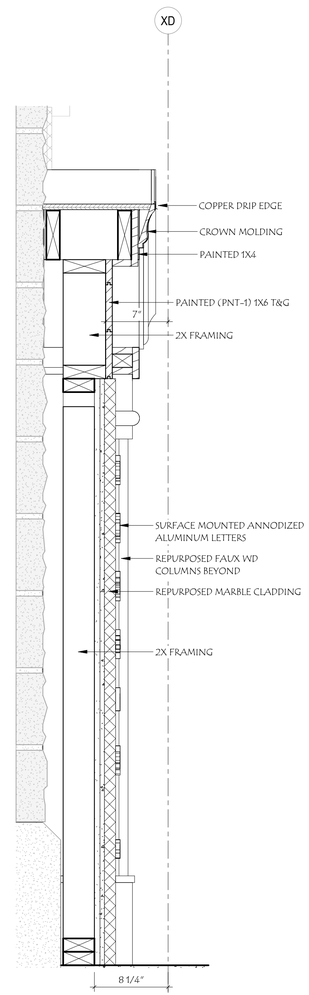
FILENAME: C:\Users\jbonnell\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_BARRETT222.rvt
PRINTED: 1/24/2025 4:06:49 PM



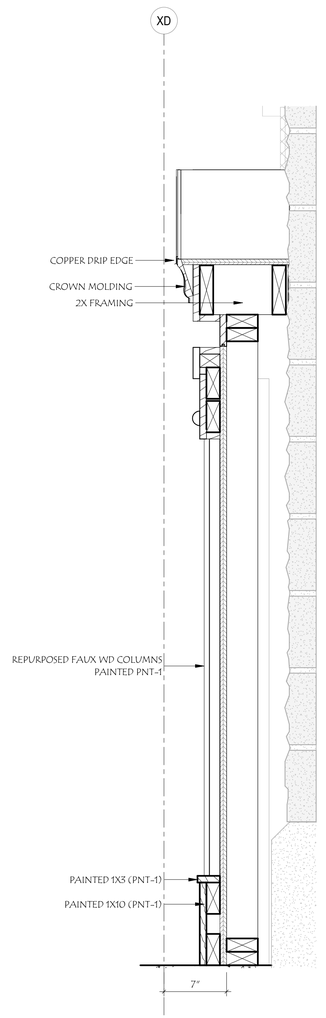
4 A4.18 SECTION @ ROOF
1 1/2" = 1'-0"



1 A4.18 ENLARGED QUOTE STRUCTURE
1 1/2" = 1'-0"



2 A4.18 SECTION @ REPURPOSED MARBLE
1 1/2" = 1'-0"



3 A4.18 SECTION @ REPURPOSED WD COL.
1 1/2" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. MAYO
NO. 3030
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

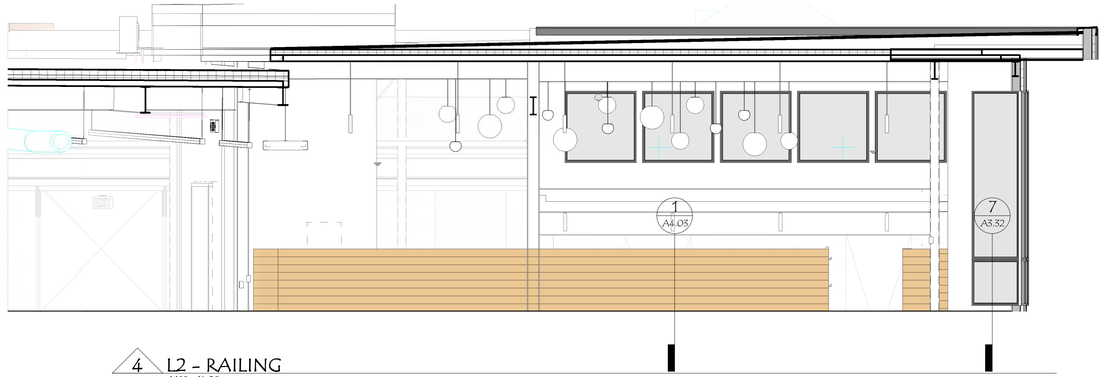
MIDDLEBURY, VERMONT

RECONSTRUCTED BULKHEAD DETAILS

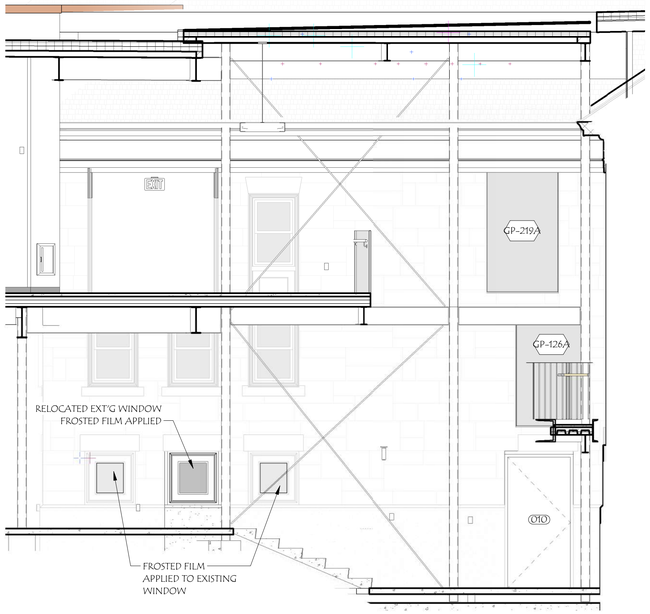
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	SR
SCALE:	1 1/2" = 1'-0"

A4.18

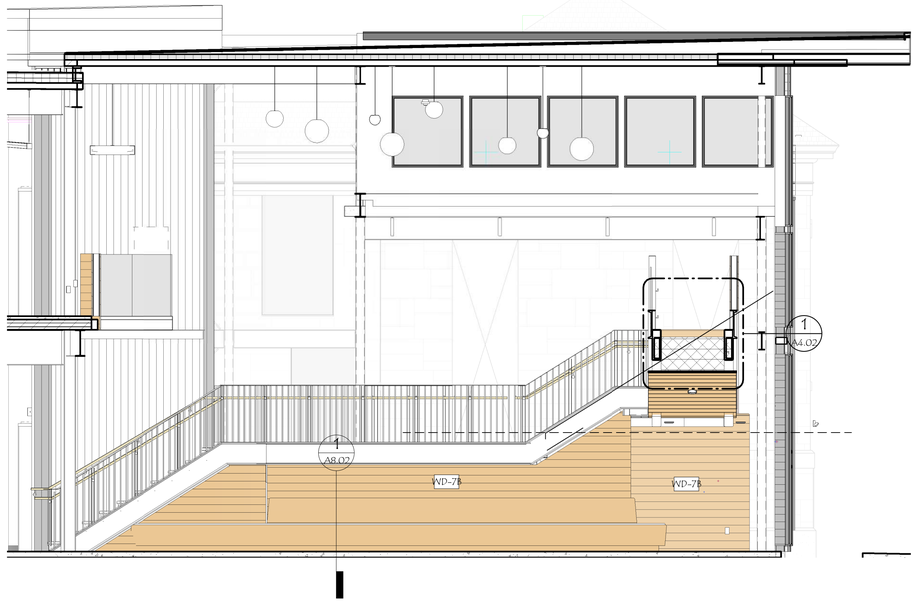
PRINTED: 1/24/2025 4:06:52 PM FILENAME: C:\Users\jbennett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_jbARRETT223.rvt



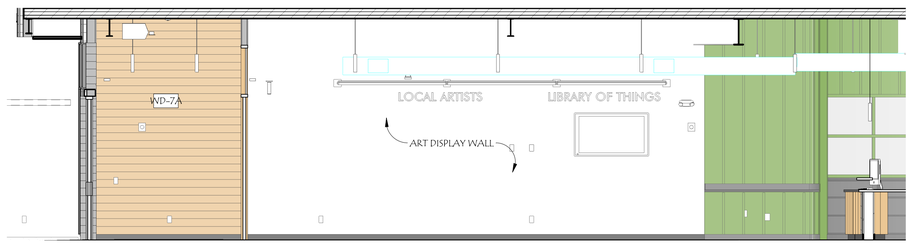
4 L2 - RAILING
1/4" = 1'-0"



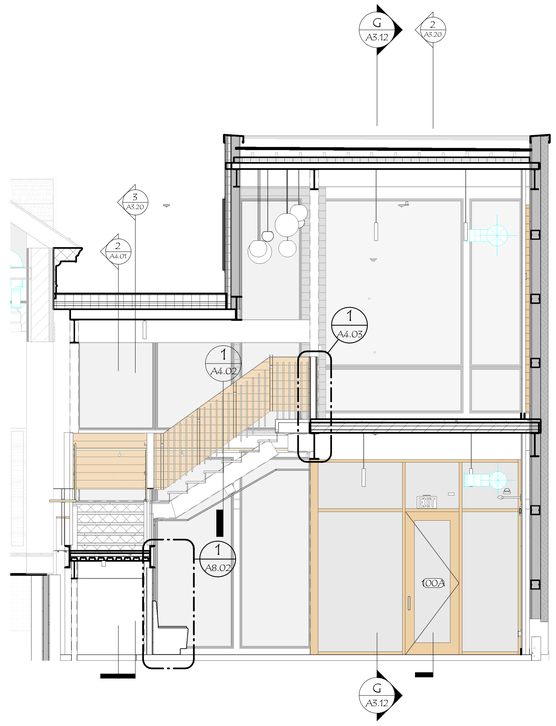
3 MAIN STREET / EXISTING BLDG - SOUTH 1
1/4" = 1'-0"



2 MAIN STREET / EXT'G BLDG SOUTH 2
1/4" = 1'-0"



1 MAIN STREET - NORTH
1/4" = 1'-0"



5 MAIN ST. - WEST ELEV.
A4.19 1/4" = 1'-0"

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST.
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

MAIN STREET INTERIOR ELEVATIONS

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	KG
SCALE:	1/4" = 1'-0"

A4.19

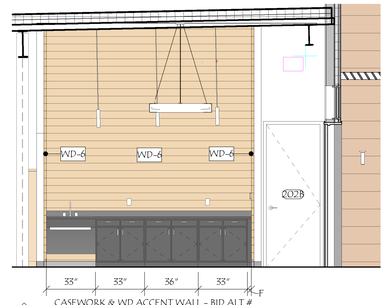
PRINTED: 1/24/2025 4:06:57 PM FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_jbARRETT223.rvt



1 ADULT COLLECTION - NORTH
1/4" = 1'-0"



2 ADULT COLLECTION - SOUTH
1/4" = 1'-0"



CASEWORK & WD ACCENT WALL - BID ALT #

3 ADULT GATHERING KITCHENETTE
1/4" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANIA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

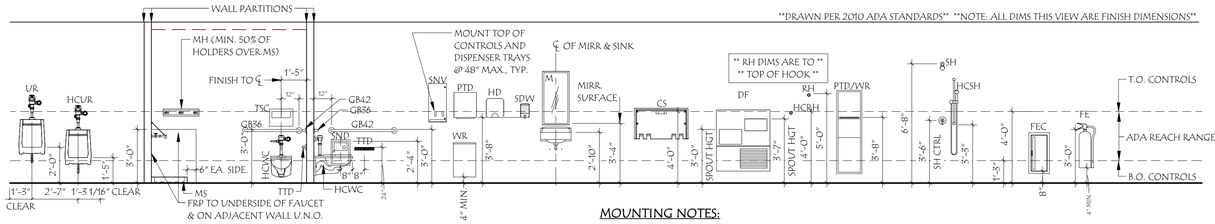
MIDDLEBURY, VERMONT

ADULT COLLECTION INTERIOR ELEVATIONS

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	KG
SCALE:	1/4" = 1'-0"

A4.22

PRINTED: 1/24/2025 4:07:03 PM FILENAME: C:\Users\kgarrett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_BARRETT222.rvt



**DRAWN PER 2010 ADA STANDARDS" "NOTE: ALL DIMS THIS VIEW ARE FINISH DIMENSIONS"

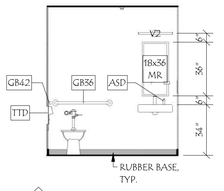
MOUNTING NOTES:

- CONTRACTOR TO PROVIDE IN-WALL BLOCKING FOR ALL FIXTURES AND ACCESSORIES, INCLUDING FOR ACCESSORIES PROVIDED BY OWNER.

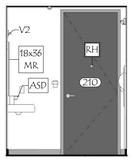
TOILET ROOM ACCESSORIES ABBREVIATIONS	
ABBV	DESCRIPTION
CS	BABY CHANGING STATION
FTD	FACIAL TISSUE DISPENSER
GB[XX]	GRAB BAR[XX (LENGTH OF BAR IN INCHES)]
HCRH	ADA ACCESSIBLE ROBE HOOK
HCUR	ADA ACCESSIBLE URINAL
HCWC	ADA ACCESSIBLE WATER CLOSET
HD	HAND DRYER
M	MIRROR
MH	MOP HOLDER
PTD	PAPER TOWEL DISPENSER
PTD/WR	COMBINATION UNIT: PAPER TOWEL DISPENSER / WASTE RECEPTACLE

TOILET ROOM ACCESSORIES ABBREVIATIONS	
ABBV	DESCRIPTION
RH	ROBE HOOK
SDC	SOAP DISPENSER, COUNTER MOUNTED
SDW	SOAP DISPENSER, WALL MOUNTED
SND	SANITARY NAPKIN DISPOSAL
SNV	SANITARY NAPKIN VENDOR / DISPENSER
TB[XX]	TOWER BAR[XX (LENGTH OF BAR IN INCHES)]
TSC	TOILET SEAT COVER DISPENSER
TTD-X	TOILET TISSUE (PAPER) DISPENSER [-X (# OF ROLLS)]
UR	URINAL
WC	WATER CLOSET
WR	WASTE RECEPTACLE

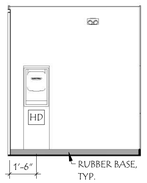
FIXTURE MOUNTING LEGEND
1/4" = 1'-0"



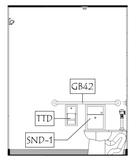
7 TLT 210–N
1/4" = 1'-0"



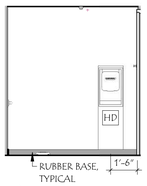
13 TLT 210 – E
1/4" = 1'-0"



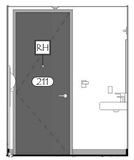
14 TLT 210 – S
1/4" = 1'-0"



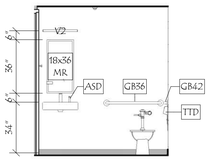
x TLT 210–W
1/4" = 1'-0"



15 TLT 211 – N
1/4" = 1'-0"



1A/A4.21 16 TLT 211 – E
1/4" = 1'-0"



8 TLT 211–S
1/4" = 1'-0"

9 TLT 211–W
1/4" = 1'-0"

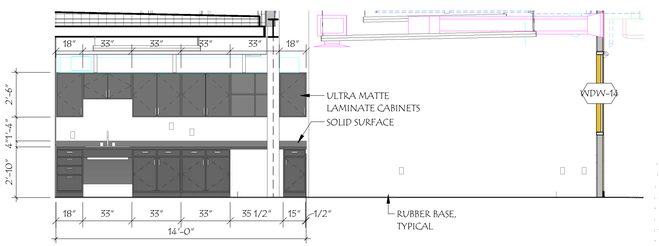
17 STAFF BR – N
1/4" = 1'-0"

10 STAFF BR– E
1/4" = 1'-0"

11 STAFF BR–S
1/4" = 1'-0"

18 STAFF BR – W
1/4" = 1'-0"

12 DIGITAL MEDIA LAB
1/4" = 1'-0"

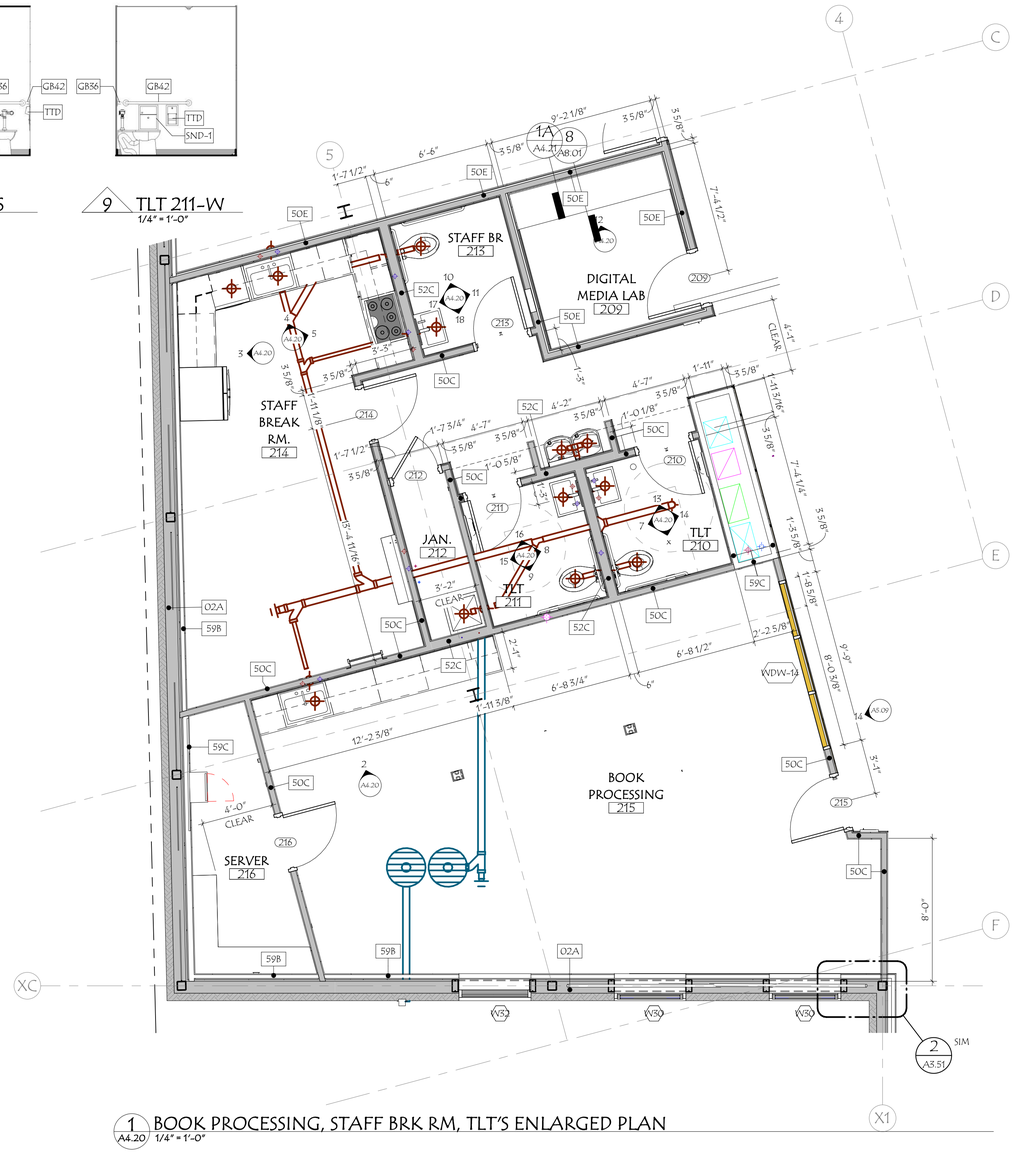


3 STAFF BREAK RM – NORTH
1/4" = 1'-0"

4 STAFF BREAK RM – EAST
1/4" = 1'-0"

5 STAFF BREAK ROOM – SOUTH
1/4" = 1'-0"

2 BOOK PROCESSING – EAST
1/4" = 1'-0"



1 A4.20 BOOK PROCESSING, STAFF BRK RM, TLT'S ENLARGED PLAN
1/4" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT STEVEN M. ROY NO. 3020 STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

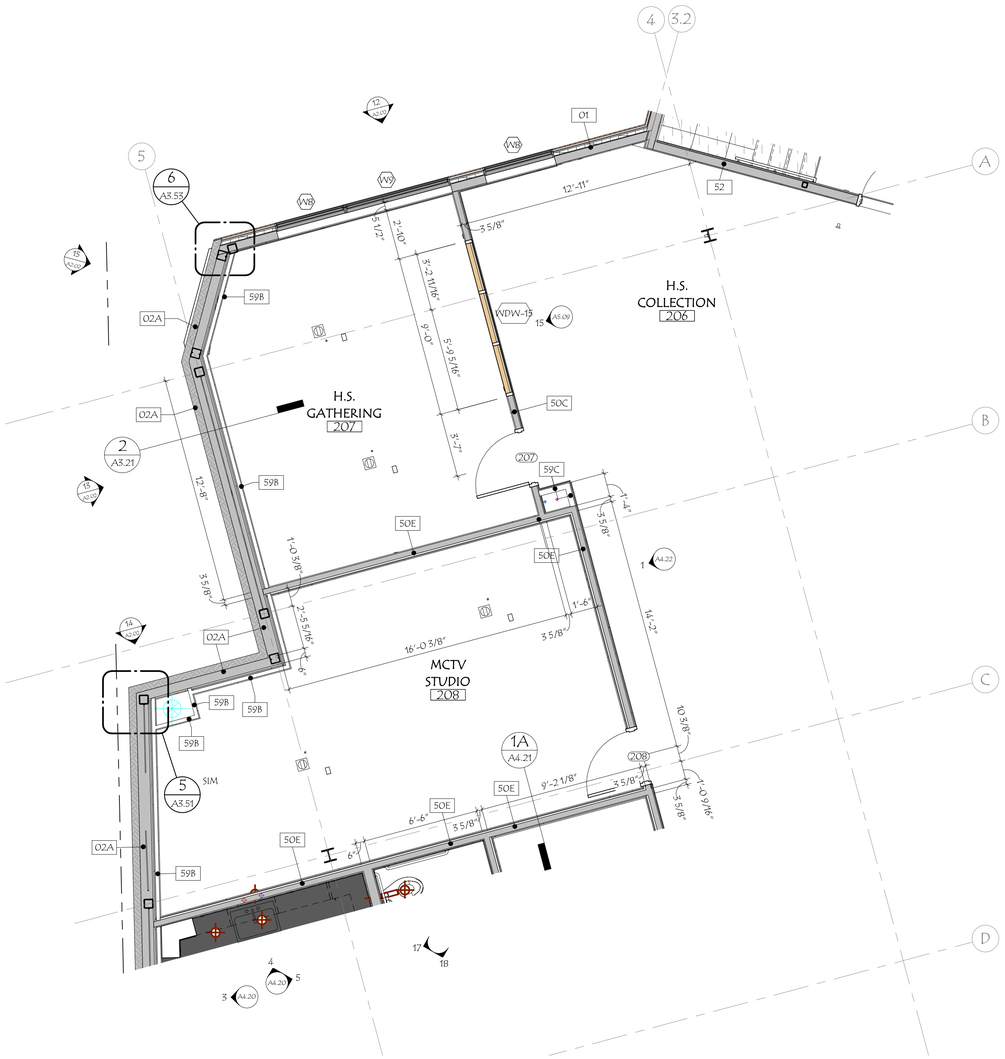
MIDDLEBURY, VERMONT

BOOK PROCESSING, STAFF BRK RM & TLT ENLARGED PLAN & ELEVS.

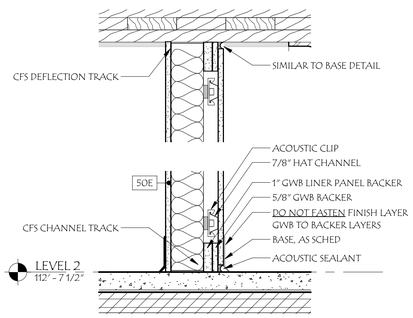
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	KG
SCALE:	1/4" = 1'-0"

A4.20

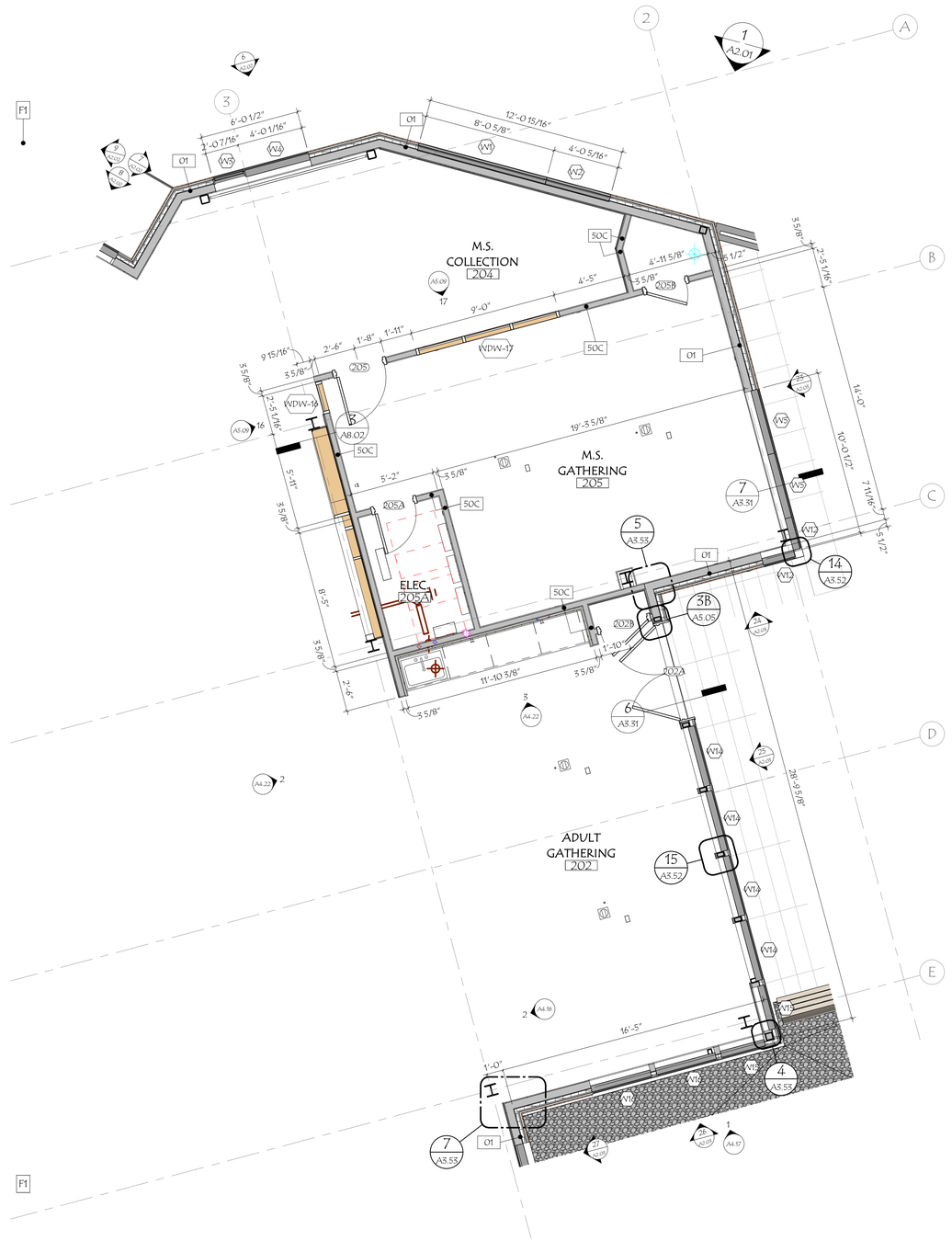
PRINTED: 1/24/2025 4:07:16 PM FILENAME: C:\Users\kjonnatt\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_BARRETT222.rvt



1 MCTV & H.S. ENLARGED PLAN
A4.21 1/4" = 1'-0"



1A SECTION DETAIL @ ACOUSTIC SEP WALL
A4.21 1 1/2" = 1'-0"



2 M.S. & ADULT GATHERING ENLARGED PLAN
A4.21 1/4" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

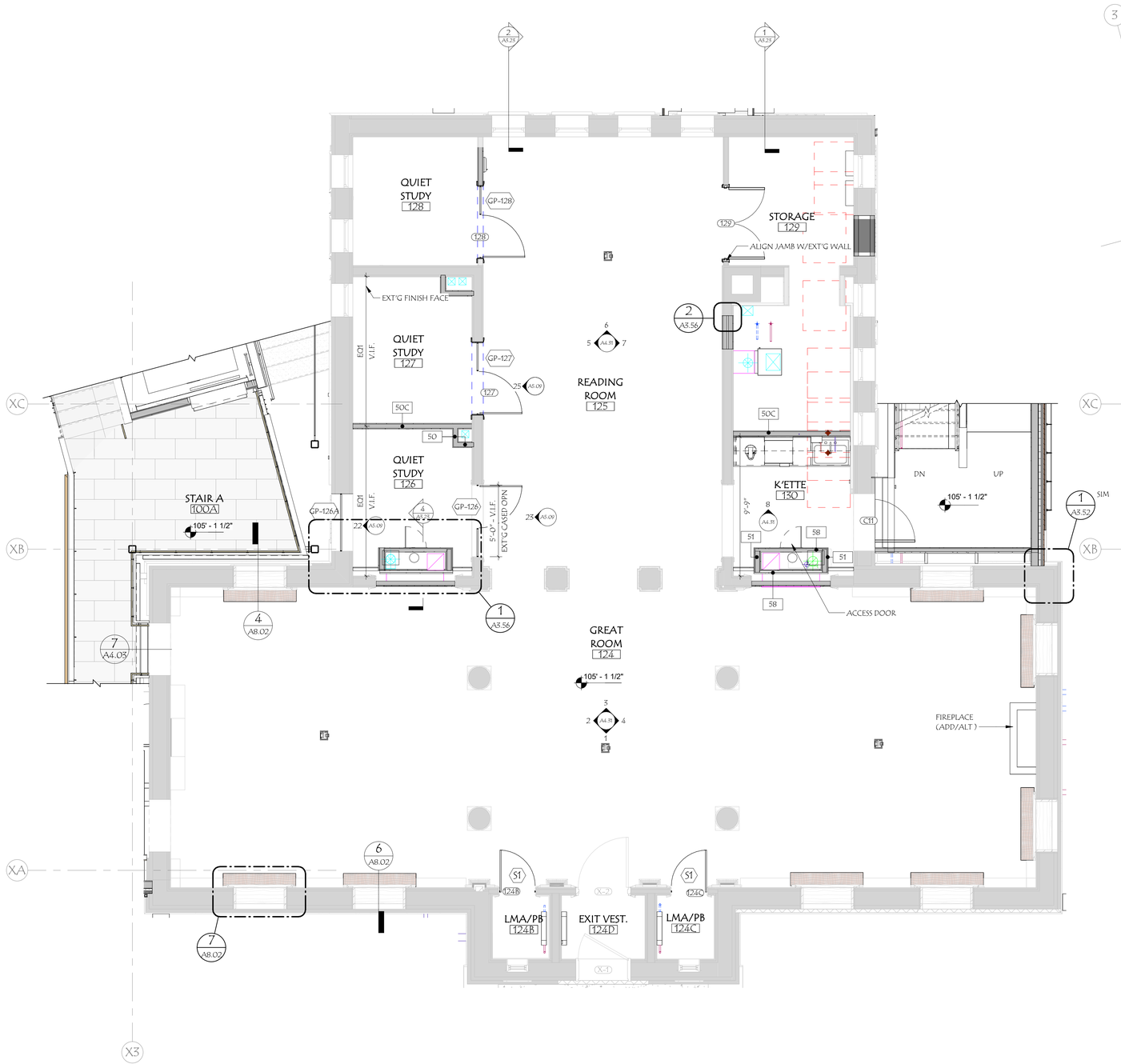
N

MCTV M.S., H.S. & ADULT GATHERING ENLARGED PLANS

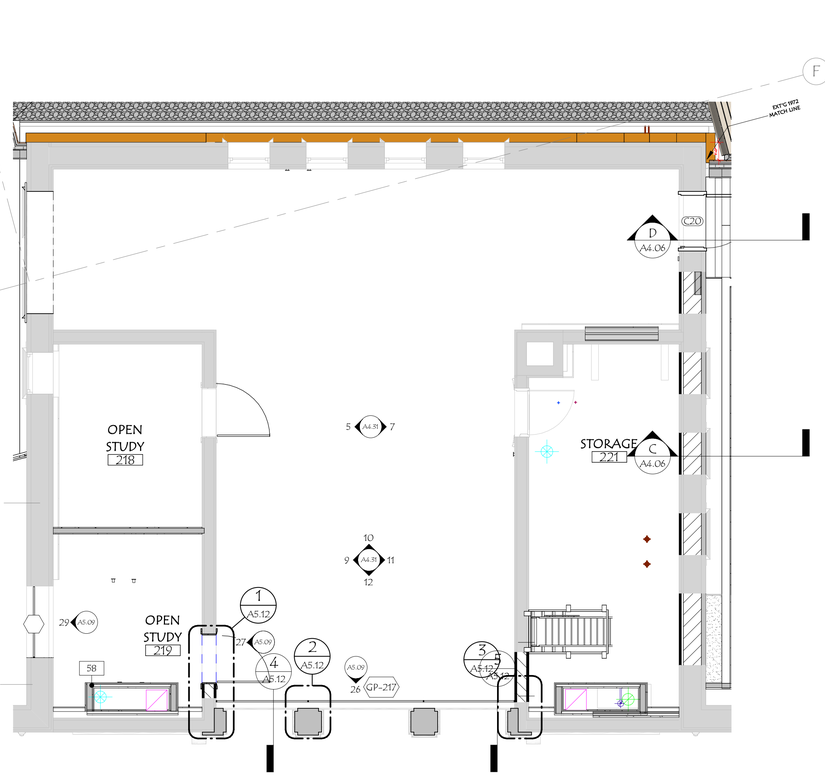
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	SR
SCALE:	As indicated

A4.21

PRINTED: 1/24/2025 4:07:21 PM
FILENAME: C:\Users\jbarnett\Documents\20230118_ILSLEY PUBLIC LIBRARY_24X24_CD_JBARRETT222.rvt



1 EXT'G LEVEL 1 ENLARGED PLAN
A4.30 1/4" = 1'-0"



2 EXT'G LEVEL 2 ENLARGED PLAN
A4.30 1/4" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. MOY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

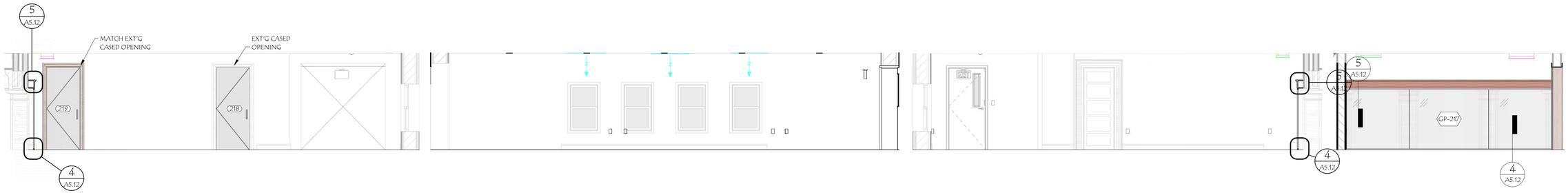
N

EXT'G BUILDING ENGLARGED PLANS

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	KG
SCALE:	1/4" = 1'-0"

A4.30

PRINTED: 1/24/2025 4:07:27 PM
FILENAME: C:\Users\jbonar\Documents\20231018_ILSLEY PUBLIC LIBRARY_R24_CD_jBARRETT222.rvt

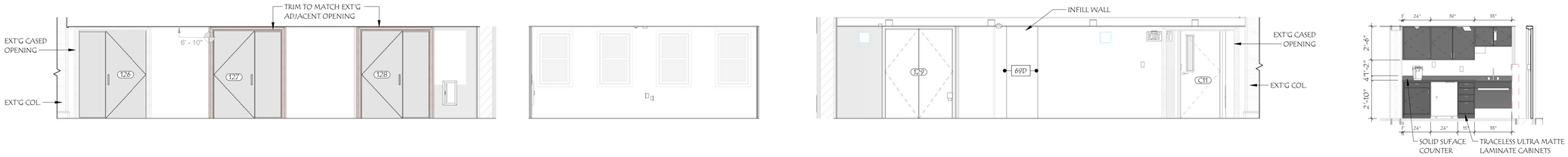


9 L2 READING ROOM - NORTH
1/4" = 1'-0"

10 L2 READING ROOM - EAST
1/4" = 1'-0"

11 L2 READING ROOM - SOUTH
1/4" = 1'-0"

12 L2 READING ROOM - WEST
1/4" = 1'-0"



5 L1 READING ROOM - NORTH
1/4" = 1'-0"

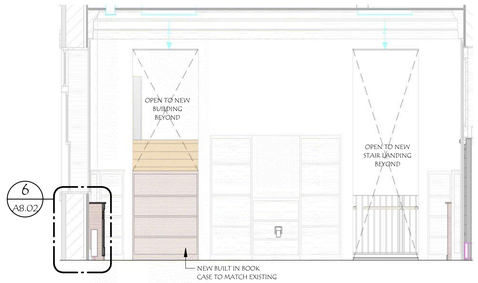
6 L1 READING ROOM - EAST
1/4" = 1'-0"

7 L1 READING ROOM - SOUTH
1/4" = 1'-0"

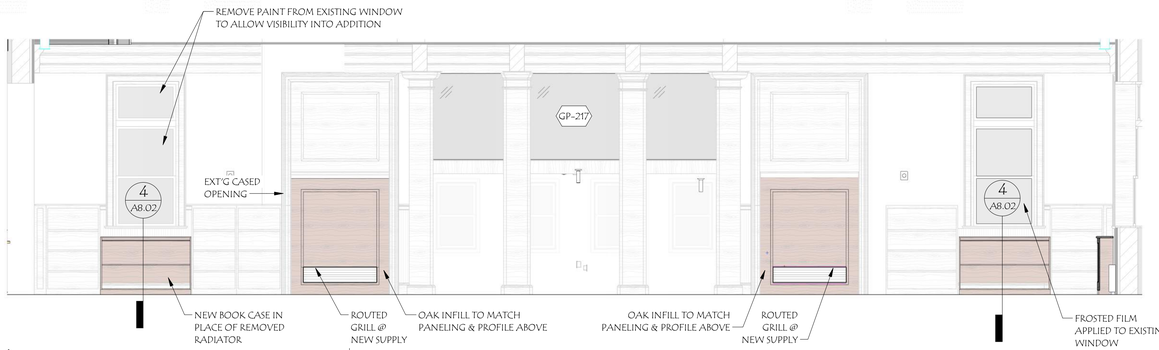
8 K'ETTE ELEV.
1/4" = 1'-0"



1 GREAT ROOM - WEST
1/4" = 1'-0"



2 GREAT ROOM - NORTH
1/4" = 1'-0"



3 GREAT ROOM - EAST
1/4" = 1'-0"



4 GREAT ROOM - SOUTH
1/4" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST.
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

EXT'G BUILDING INTERIOR ELEVATIONS

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	1/4" = 1'-0"

A4.31

PRINTED: 1/24/2025 4:07:40 PM FILENAME: C:\Users\jbarnett\Documents\202301B_ILSLEY PUBLIC LIBRARY_R24_CD_JBARRETT222.rvt

DOOR SCHEDULE

MARK	ASSOCIATED ROOMS: FROM ROOM	ASSOCIATED ROOMS: TO ROOM	PANEL: TYPE	PANEL: MATL	PANEL: FINISH	PANEL: WIDTH	x	PANEL: HEIGHT	PANEL: THICK.	PANEL: GLAZING	FRAME: TYPE	FRAME: MATL.	FRAME: FINISH	DETAILS: HEAD	DETAILS: JAMB	DETAILS: SILL	SPECIFICATIONS: FIRE RATING	REMARKS
Exterior																		
100B		WEST VEST.	FL	ACW	FF/CLR	3' - 0"	x	7' - 10 5/8"	1 3/4"	ISG	WC	ACW	FF/CLR	4/A5.05	3B/A5.05, 2/A3.50	1C/A5.04		
111A		EAST VEST.	FL	ALUM	ANOD	3' - 0"	x	8' - 0"	1 3/4"	ISG	SFE	ALUM	ANOD	1A/A5.04	1B/A5.04, 2B/A5.05	1C/A5.04		
116B		CHILDRENS COLLECTION	FL	ALUM	ANOD	3' - 0"	x	8' - 0"	1 3/4"	ISG	SFE	ALUM	ANOD	2C/A5.04	2B/A5.04	1C/A5.04		
121		SOUTH VEST.	SD	ALUM	ANOD	7' - 11 1/2"	x	8' - 6"	0"	ISG	BY MFR	ALUM	ANOD	1A/A5.06	1B/A5.06	1C/A5.06		Emergency break-away panel
122B	SNOWBLOWER & SALT STOR		PR FL	IHM	PNT	6' - 0"	x	8' - 0"	1 3/4"	NA	A3	IHM / TB	PNT	1A/5.05	1B/A5.05	1C/A5.04		
C10	STAIR C		FB	IHM	PNT	3' - 0"	x	8' - 0"	1 3/4"	NA	A3	IHM / TB	PNT	1A/5.05	1B/A5.05	1C/A5.04		
202A		ADULT GATHERING	PR FL	ACW	FF/CLR	6' - 0"	x	8' - 0"	1 3/4"	ISG	WC	ACW	FF/CLR	3A/5.05	3B/A5.05, 2/A3.50	5/A5.05 ***		Removable centerpost
C21	STAIR C		NL	IHM	PNT-6	3' - 0"	x	8' - 0"	1 3/4"	ISG	A3	IHM / TB	PNT-6	2A/A5.05	2B/A5.05	5/A3.32	60 MIN	
Interior																		
004	MECH.	CORRIDOR	F	HM	PNT	3' - 0"	x	7' - 0"	1 3/4"	NA	A1	HM	PNT	2A/A5.10	2B/A5.10			
005	ELEC.	CORRIDOR	F	HM	PNT	3' - 6"	x	7' - 0"	1 3/4"	NA	A1	HM	PNT	2A/A5.10	2B\A5.10			
009	ENTRY	EMR	F	HM	PNT	3' - 6"	x	7' - 0"	1 3/4"	NA	A1	HM	PNT	2A/A5.10	2B/A5.10			
010	ENTRY	RASMENT ELEV LOBBY	F	HPL	ULTRA MATTE	3' - 6"	x	7' - 4"	1 3/4"	NA	A2	HM	PNT	4A/A5.10	4B/A5.10			
011	STOR	FRIENDS OF THE LIBRARY	F	HM	PNT	3' - 0"	x	7' - 0"	1 3/4"	NA	A1	HM	PNT	1A/A5.10	1B/A5.10			
C00		STAIR C	NL	HM	PNT	3' - 0"	x	7' - 0"	1 3/4"	FRRG	A1	HM	PNT	1A/A5.10	1B/A5.10		60 MIN	
100A	WEST VEST.	LOBBY	FL	WD	CLR	3' - 0"	x	8' - 0"	1 3/4"	ISG	WD	WD	CLR	2A/A5.05	2B/A5-05			
103	CORR	STAFF RR	F	HPL	ULTRA MATTE	2' - 6"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-6	1A/A5.10	1B/A5.10	NOTE 17		
104	CORR	STAFF WORK AREA	NL	HM	PNT-2	3' - 0"	x	8' - 0"	1 3/4"	SG	A1	HM	PNT-2	1A/A5.10	1B/A5.10			
104A		STAFF WORK AREA	F	HPL	ULTRA MATTE	2' - 6"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-6	1A/A5.10	1B/A5.10			
104B		STAFF WORK AREA	PR F	HPL	ULTRA MATTE	4' - 0"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-6	1A/A5.10	1B/A5.10			
105	STAFF WORK AREA	DIRECTOR	FL	WD	CLR	3' - 0"	x	8' - 0"	1 3/4"	SG	WD	WD	CLR	1A/A5.10	1B/A5.10			
105A		DIRECTOR	PR N	HPL	ULTRA MATTE	2' - 0"	x	8' - 0"	1 3/4"	NA	A1	HM	PTD	1A/A5.10	1B/A5.10			
105B		DIRECTOR	PR F	HPL	ULTRA MATTE	4' - 0"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-6	1A/A5.10	1B/A5.10			
106	CORRIDOR	CORR	NL	HPL	ULTRA MATTE	3' - 0"	x	8' - 0"	1 3/4"	SG	A1	HM	PNT-6	1A/A5.10	1B/A5.10			
106A	CORRIDOR	JAN.	F	HPL	ULTRA MATTE	2' - 6"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-6	1A/A5.10	1B/A5.10			
106B	LOBBY	CORRIDOR	FGW	ALUM	ANOD	11' - 0"	x	8' - 4"	2 5/8"	SG		ALUM	ANOD	6A/A5.10	6B/A5.10	6C/A5.10		
107	CORRIDOR	WOMEN'S	F	HPL	ULTRA MATTE	3' - 0"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-6	1A/A5.10	1B/A5.10			
108	CORRIDOR	FAM.	F	HPL	ULTRA MATTE	3' - 0"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-6	1A/A5.10	1B/A5.10			
109	CORRIDOR	MEN'S	F	HPL	ULTRA MATTE	3' - 0"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-6	1A/A5.10	1B/A5.10			
110	COMMUNITY ROOM	CORRIDOR	PR FL	HM	PNT-3	6' - 0"	x	8' - 0"	1 3/4"	SG	A1	HM	PNT-3	1A/A5.10	1B/A5.10			
110A	COMMUNITY ROOM	CORRIDOR	NL	HPL	ULTRA MATTE	3' - 0"	x	8' - 0"	1 3/4"	SG	A1	HM	PNT-6	1A/A5.10	1B/A5.10			
110B	FURN. STOR.	COMMUNITY ROOM	F	HM	PNT-1	3' - 0"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-1	1A/A5.10	1B/A5.10			FRAMLESS MUD IN DOOR - REF. EYZ JAMB
110C	AV RM	COMMUNITY ROOM	F	HPL	ULTRA MATTE	2' - 6"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-6	1A/A5.10	1B/A5.10			
110D	COMMUNITY ROOM	EAST VEST.	NL	HPL	ULTRA MATTE	3' - 0"	x	8' - 0"	1 3/4"	SG	A1	HM	PNT-6	1A/A5.10	1B/A5.10			
110E	COMMUNITY ROOM	COMMUNITY ROOM	BD-1	WD	PNT-3	7' - 10"	x	8' - 0"	1 3/4"	NA	NA	NA	NA	5/A5.10	NA			GYP OPENING
111B	CORRIDOR	EAST VEST.	FL	HPL	ULTRA MATTE	3' - 0"	x	8' - 0"	1 3/4"	ISG	A1	HM	PNT-6	1A/A5.10	1B/A5.10, 1C/A5.10			
112	CHILDRENS COLLECTION	ACTIVITY	FL	HPL	ULTRA MATTE	3' - 0"	x	8' - 0"	1 3/4"	SG	A1	HM	PNT-6	1A/A5.10	1B/A5.10			
112A	ACTIVITY	CORRIDOR	FL	WD	CLR	3' - 0"	x	8' - 0"	1 3/4"	SG	WD	WD	CLR	2A/A5.11	2C/A5.11, 2D/A5.11			
113	ELEC.	ACTIVITY	F	HPL	ULTRA MATTE	2' - 6"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-6	1A/A5.10	1B/A5.10			DOOR GRILLE?
114	STORAGE	ACTIVITY	PR F	HPL	ULTRA MATTE	6' - 0"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-6	1A/A5.10	1B/A5.10			
114A	STAFF	STORAGE	F	HPL	ULTRA MATTE	3' - 0"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-6	1A/A5.10	1B/A5.10			
115	STAFF	CHILDRENS COLLECTION	NL	HM	PNT-4	3' - 0"	x	8' - 0"	1 3/4"	SG	A1	HM	PNT-4	1A/A5.10	1B/A5.10			
116A	CHILDRENS COLLECTION	ATRIUM	SD	ALUM	ANOD	7' - 11 1/2"	x	8' - 2"	0"			ALUM	ANOD	3A/A5.10	3B/A5.10			AUTOMATIC SLIDING DOORS
117	CHILDRENS COLLECTION	LACT. RM	F	HPL	ULTRA MATTE	3' - 0"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-6	1A/A5.10	1B/A5.10			
118	CHILDRENS COLLECTION	FAM. RR	F	HPL	ULTRA MATTE	3' - 0"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-6	1A/A5.10	1B/A5.10			
119		CHILDRENS COLLECTION	FL	HPL	ULTRA MATTE	3' - 0"	x	8' - 0"	1 3/4"			HM	PNT-6	1A/A5.10	1B/A5.10, 1C/A5.10			
120A	ATRIUM	FLEX / CONF. ROOM	PR FL	WD	CLR	6' - 0"	x	8' - 0"	1 3/4"	SG	WD	WD	CLR	2A/A5.11	2D/A5.AA			
120B	FLEX / CONF. ROOM	CORRIDOR	FL	WD	CLR	3' - 0"	x	8' - 0"	1 3/4"	SG	WD	WD	CLR	1A/A5.10	1B/A5.10			
120C	FLEX / CONF. ROOM		PR F	HPL	ULTRA MATTE	4' - 0"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-6	1A/A5.10	1B/A5.10			
121A	ATRIUM	SOUTH VEST.	SD	ALUM	ANOD	7' - 11 1/2"	x	8' - 6"	0"			ALUM	ANOD	3A/A5.10	3B/A5.10			AUTOMATIC SLIDING DOORS
122A	BOOK DROP	SNOWBLOWER & SALT STOR	F	HM	PNT-6	3' - 0"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-6	1A/A5.10	1B/A5.10		90 MIN	
123	ATRIUM	BOOK DROP	F	HM	PNT-1	3' - 0"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-1	1A/A5.10	1B/A5.10		90 MIN	
B10	STAIR B	EAST VEST.	NL	HPL	ULTRA MATTE	3' - 0"	x	8' - 0"	1 3/4"	FRRG	A1	HM	PNT-6	1A/A5.10	1B/A5.10		60 MIN	
124B	LMA/PB	GREAT ROOM	FG	GLASS	-	2' - 5 1/4"	x	7' - 6 3/4"	1 3/4"	SG	-	-	-	7A/A5.12	7B/A5.12			
124C	LMA/PB	GREAT ROOM	FG	GLASS	-	2' - 5 1/4"	x	7' - 6 3/4"	1 3/4"	SG	-	-	-	7A/A5.12	7B/A5.12			
126	QUIET STUDY	READING ROOM	FG	GLASS	-	3' - 0"	x	6' - 6"	1 3/4"	SG	-	-	-	7A/A5.12	7B - 7C/A5.12			
127	QUIET STUDY	READING ROOM	FG	GLASS	-	3' - 0"	x	6' - 6"	1 3/4"	SG	-	-	-	7A/A5.12	7B - 7C/A5.12			
128	QUIET STUDY	READING ROOM	FG	GLASS	-	3' - 0"	x	6' - 6"	1 3/4"	SG	-	-	-	7A/A5.12	7B - 7C/A5.12			
129	READING ROOM	STORAGE	PR F	HM	PNT-1	5' - 0"	x	6' - 8"	1 3/4"	NA	A1	HM	PNT-1	2A/A5.10	2B/A5.10			EXIST. WALL ASSEMBLY TO BE VIF.
C11	K'ETTE		NL	HM	PNT-1	3' - 0"	x	6' - 8"	1 3/4"	FRRG	A2	HM	PNT-1	2A/A5.10	2B/A5.10		60 MIN	
202B		ADULT GATHERING	F	HM	PNT-1	3' - 0"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-1	1A/A5.10	1B/A5.10	NOTE 17		
205	M.S. COLLECTION	M.S. GATHERING	FL	HPL	ULTRA MATTE	3' - 0"	x	8' - 0"	1 3/4"	SG	A1	HM	PNT-6	1A/A5.10	1B/A5.10	NOTE 17		
205A	M.S. GATHERING	ELEC.	F	HM	PNT-1	2' - 6"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-1	1A/A5.10	1B/A5.10	NOTE 17		DOOR GRILLE?
205B	STOR.	M.S. GATHERING	F	HM	PNT-1	2' - 6"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-1	1A/A5.10	1B/A5.10	NOTE 17		
207	L2 LANDING / CIRC.	H.S. GATHERING	FL	HPL	ULTRA MATTE	3' - 0"	x	8' - 0"	1 3/4"	SG	A1	HM	PNT-6	1A/A5.10	1B/A5.10	NOTE 17		
208	ADULT COLLECTION	MCTV STUDIO	FL	HPL	ULTRA MATTE	3' - 0"	x	8' - 0"	1 3/4"	ISG	A1	HM	PNT-6	1A/A5.10	1B/A5.10	NOTE 17		
209	ADULT COLLECTION	DIGITAL MEDIA LAB	FL	HPL	ULTRA MATTE	3' - 0"	x	8' - 0"	1 3/4"	ISG	A1	HM	PNT-6	1A/A5.10	1B/A5.10	NOTE 17		
210	TLT	ADULT COLLECTION	F	HPL	ULTRA MATTE	3' - 0"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-6	1A/A5.10	1B/A5.10	NOTE 17		
211	ADULT COLLECTION	TLT	F	HPL	ULTRA MATTE	3' - 0"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-6	1A/A5.10	1B/A5.10	NOTE 17		
212	ADULT COLLECTION	JAN.	F	HPL	ULTRA MATTE	2' - 8"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-6	1A/A5.10	1B/A5.10	NOTE 17		
213	STAFF BR	ADULT COLLECTION	F	HPL	ULTRA MATTE	3' - 0"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-6	1A/A5.10	1B/A5.10	NOTE 17		
214	STAFF BREAK RM.	ADULT COLLECTION	HL	HPL	ULTRA MATTE	3' - 0"	x	8' - 0"	1 3/4"	SG	A1	HM	PNT-6	1A/A5.10	1B/A5.10	NOTE 17		
215	ADULT COLLECTION	BOOK PROCESSING	FL	HM	PNT-5	3' - 0"	x	8' - 0"	1 3/4"	SG	A1	HM	PNT-5	1A/A5.10	1B/A5.10	NOTE 17		
216	SERVER	BOOK PROCESSING	F	HPL	ULTRA MATTE	3' - 0"	x	8' - 0"	1 3/4"	NA	A1	HM	PNT-6	1A/A5.10	1B/A5.10	NOTE 17		DOOR GRILLE? EXHAUST THIS ROOM?
218	READING ROOM	OPEN STUDY	FG			2' - 8"	x	6' - 8"	1 3/4"					7A/A5.12	7B/A5.12			
219	READING ROOM	OPEN STUDY	FG			2' - 8"	x	6' - 8"	1 3/4"					7A/A5.12	7B/A5.12			
B20	STAIR B	L2 LANDING / CIRC.	NL	HPL	ULTRA MATTE	3' - 0"	x	8' - 0"	1 3/4"	FRRG	A1	HM	PNT-6	1A/A5.10	1B/A5.10	NOTE 17	60 MIN	
C20	STAIR C	READING ROOM	NL	HM	PNT-1	3' - 0"	x	6' - 8"	1 3/4"	FRRG	A2	HM	PNT-1				60 MIN	

** DOOR ROWS WITH RED COLOR FILL INDICATE A REVISION TO THAT ROW **

SHEET NOTES: DOOR SCHEDULE

1. FOR DOOR PANEL TYPES (F, NL, HL, ETC.) SEE DOOR TYPE LEGEND ON SHEET A5.02.
2. FOR DOOR FRAME TYPES (A,B, C, ETC) SEE FRAME TYPES LEGEND ON SHEET A5.02.
3. VERIFY ALL EXISTING OPENING SIZES TO RECEIVE NEW FRAME AND/OR DOOR PANEL
4. VERIFY ANY EXISTING FRAME, PANEL, HARDWARE COMPONENTS TO REMAIN ARE COMPATIBLE WITH NEW WORK.
5. FOR FLOORING TRANSITIONS @ INTERIOR DOORS, SEE SHEET A6.00. ALIGN FLOORING TRANSITION STRIP W/ CL OF DOOR, TYP.
6. ACCESSIBLE DOORS SHALL COMPLY W/ ALL APPLICABLE ACCESSIBILITY CODES. ACCESSIBLE DOORS INCLUDE ALL DOORS IN PUBLIC SPACES, DOORS ON ACCESSIBLE ROUTES, EGRESS DOOR, & DOORS INTO EMPLOYEE WORK AREAS. REQS INCLUDE, BUT ARE NOT LIMITED TO RECH RANGES, HARDWARE, CONTROLS, & THRESHOLDS. ALL PASSAGE DOORS SHALL HAVE A 32" MIN CLR OPNG MEASURED FROM THE FACE OF THE DOOR IN THE OPEN POSITION TO THE OPPOSITE JAMB/STOP.
7. WHERE REMOTE ACCESS CONTROL / CARD READERS ARE INDICATED, INSTALL HARDWARE TO COMPLY W/ APPLICABLE ACCESSIBILITY REQS.
8. "ASSOCIATED ROOMS" FIELD IN DOOR SCHEDULES IS NOT INTENDED TO DETERMINE DOOR HANDING. REFER TO FLOOR PLANS FOR HANDING.
9. PROVIDE FR FRAMES & HARDWARE AT FR DDOORS. IF SCHEDULED FRAME OR HARDWARE IS IN CONFLICT WITH FR REQS, NOTIFY ARCHITECT. WHRE GLAZING IS INDICATED IN FR DOORS, PROVIDE FR GLAZING PER IBC. FR GLAZING SHALL BE MARKED AS REQ PER IBC.
11. WHERE UNDERCUT IS NOT SPECIFIED, PROVIDE STANDARD 3/4" UNDERCUT @ INT SCW, WD, & HM DOORS, TYP.
12. WHERE DOOR IS TO BE PAINTED OR COATED, ALL SIX SIDES SHALL BE FINISHED TO MATCH THE FACES.
13. ALL EXTERIOR METAL DOORS & FRAMES SHALL BE GALVANIZED .
14. REFER TO NFPA 80 FOR GLAZING SIZE LIMITS IN FIRE RATED DOORS.
15. REF DOOR SCHEDULE, WINDOW ELEVATIONS, & SAFETY GLAZING DIAGRAM (3/A5.02) FOR LOCATIONS OF SAFETY GLASS. REPORT DISCREPANCIES OR OMMISSIONS TO ARCHITECT. PROVIDE INSULATED, TEMPERED SAFETY GLASS ON ALL EXTERIOR DOORS AND SIDELIGHTS.
16. CENTER LEVERS & PANIC DEVICES ON CENTER MULLION WHERE APPLICABLE. MATCH LOCATION OF PANIC DEVICES AND LEVERS ON ALL OTHER DOORS.
17. FOR SILL CONDITIONS @ INTERIOR DOORS @ FLOORING TRANSITIONS, REF A6.00. ALIGN CL OF TRANSITION W/ CL OF DOOR LEAF.

DOOR HARDWARE SCHEDULE

NO.	FUNCTION	DOOR PREP: CYLINDER	DOOR PREP: MORTISE	DOOR PREP: PUSH PULL TRIM	LEVERSET TRIM	DEADBOLT	PANIC EXIT DEVICE	FIRE EXIT DEVICE	SINGLE ACTION EGRESS	FLUSH BOLT	STANDARD HINGES	HEAVY DUTY HINGES	CLOSER	SILENCERS	STOPS OR BUMPERS	KICKPLATE	THRESHOLD	WEATHERSTRIPPING	SOUNDSEAL AND SHOE	ELECTRIC STRIKE	KEYPAD OR CARDSWIPE	ELECTRIC LOCK	MAG HOLD OPEN	REMARKS
Exterior																								
100B	ENTRY				●		●		●			●	●			●	●	●	●					ADA Auto-operator; People counter sensor
111A	ENTRY				●		●		●			●	●			●	●	●	●		●			ADA Auto-operator; People counter sensor
116B	EXIT	●					●		●			●				●	●	●	●					Egress only - no exterior hardware; Alarmed
121	ENTRY	●															●	●	●					People counter sensor
122B	STOREROOM	●			●					●	●				●	●	●	●	●					
C10	EXIT	●					●	●	●			●	●	●		●	●	●	●					Egress only - no exterior hardware
202A	ENTRY	●			●		●		●			●	●				●	●	●					Panic Each Door; Flush-mount Rod
C21	NIGHT LATCH	●					●	●	●			●	●	●		●	●	●	●	●	●			EAC; card reader each side; Alarmed; smoke seal
Interior																								
004	STOREROOM	●			●				●		●			●	●									
005	STOREROOM	●			●				●					●	●									
009	STOREROOM	●			●						●			●	●									
010	STOREROOM	●			●				●		●		●	●		●				●	●			EAC
011	STOREROOM	●			●						●			●										
C00	NIGHT LATCH	●			●			●	●		●		●	●		●	●	●	●					Keyed access only from stair side; smoke seals
100A	PASSAGE	●			●		●		●			●	●			●		●	●					ADA Auto-operator
103	STOREROOM		●		●				●		●		●	●		●				●	●			EAC; Occupancy indicator leverset
104	STOREROOM	●			●				●		●		●	●		●				●	●			EAC
104A	PASSAGE	●			●						●			●										
104B	PASSAGE	●			●					●	●			●	●									
105	OFFICE	●			●			●			●			●		●			●					
105A	PASSAGE	●			●			●			●			●	●									
105B	PASSAGE	●			●					●	●			●	●									
106	PASSAGE	●			●		●		●			●	●	●	●	●				●	●			EAC; card reader each side; Alarmed
106A	STOREROOM	●			●				●			●			●	●	●							
106B	STOREROOM																							Lock by mfr
107	CLASSROOM	●			●				●			●		●	●	●	●							
108	CLASSROOM	●			●				●			●		●	●	●	●							Occupancy Indicator
109	CLASSROOM	●			●				●			●		●	●	●	●							
110	CLASSROOM	●		●	●					●		●		●	●	●	●							Hold-open
110A	CLASSROOM	●			●				●			●		●	●	●	●							
110B	PASSAGE	●			●				●			●			●	●	●							
110C	CLASSROOM	●			●				●			●			●	●	●							
110D	CLASSROOM	●			●				●			●		●	●	●	●							
110E																								Sliding Door hardware kit; handle
111B	PASSAGE	●			●		●		●			●	●	●		●		●	●					ADA Auto-operator
112	CLASSROOM	●			●				●			●		●	●	●								
112A	CLASSROOM	●			●				●			●		●	●	●	●							
115	STOREROOM	●			●				●			●			●									
116A																								
117	PRIVACY	●			●				●			●			●	●								
118	PRIVACY	●			●				●			●			●	●								
119																								
120A	CLASSROOM	●			●								●				●							Hold-open; Concealed rods each leaf; 180 Degree hinges
120B	CLASSROOM	●			●				●			●	●	●	●	●								
120C	CLASSROOM	●			●				●	●		●			●	●								
121A		●																●	●					
122A	PASSAGE	●			●				●			●	●	●	●	●		●	●					
123	CLASSROOM	●			●				●			●			●	●								
B10	NIGHT LATCH	●			●		●	●	●			●	●	●	●	●		●	●		●			EAC; smoke seals
124B	PASSAGE			●																				Hardware by GP system mfr
124C	PASSAGE			●																				Hardware by GP system mfr
126	PASSAGE			●																				
127	PASSAGE			●																				Hardware by GP system mfr
128	PASSAGE			●																				Hardware by GP system mfr
129	CLASSROOM	●			●			●	●	●			●			●	●							
C11		●			●		●			●		●	●	●	●	●				●	●			Alarmed; EAC; card reader each side; smoke seals
202B	STOREROOM	●			●				●			●			●									
205	CLASSROOM	●			●				●			●			●	●	●							
205A	STOREROOM	●			●				●			●			●	●	●							
205B	CLASSROOM	●			●				●			●			●	●								
207	CLASSROOM	●			●				●			●			●	●	●							Smokeseal (Area of Refuge req)
208	CLASSROOM	●			●				●			●			●	●	●			●	●			
209	CLASSROOM	●			●				●			●			●	●	●			●	●			
210	PRIVACY	●			●				●			●			●	●	●							Occupancy Indicator
211	PRIVACY	●			●				●			●			●	●	●							Occupancy Indicator
212	STOREROOM	●			●				●			●			●	●								
213	STOREROOM		●						●			●		●	●	●	●				●	●		EAC; Occupancy indicator
214	STOREROOM	●			●				●			●		●	●	●	●					●		EAC
215	CLASSROOM	●			●				●			●		●	●	●	●					●		EAC;
216	CLASSROOM	●			●				●			●			●	●				●	●			
218																								
219																								
B20	STOREROOM	●			●		●	●				●	●	●	●	●					●	●		EAC; card reader each side; Alarmed; smoke seal
C20	NIGHT LATCH	●			●		●	●				●	●	●	●	●					●	●		EAC; card reader each side; Alarmed; smoke seals

ABBREVIATIONS: DOOR & WINDOW

ACW	ALUM CLAD WOOD
ALUM	ALUMINUM
ANNO	ANNODIZED
CLR	CLEAR POLYURETHANE
CW	CURTAINWALL
EAC	ELECTRONIC ACCESS CONTROL
EXTG	EXISTING
FF	FACTORY FINISHED
FG	FIBERGLASS
FRRG	FIRE RESISTANT RATED GLAZING
FS	FRAME SIZE/UNIT SIZE
GALV	GALVANIZED
GP	GLASS PARTITION
HM	HOLLOW METAL
HPL	HIGH PRESSURE LAMINATE
IG	INSULATED GLASS UNIT
IHM	INSULATED HOLLOW METAL
IRG	IMPACT RATED GLAZING
ISG	INSULATED SAFETY GLAZING UNIT
INS	INSULATED
PNT	PAINTED
SCW	SOLID CORE W/ WOOD VENEER
SF	STOREFRONT
SG	SAFETY GLAZING (CLEAR)
TB	THERMALLY BROKEN
WD	SOLID WOOD
WDW	WOOD WINDOW

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT · STEVEN M. ROY · NO. 3020 · STATE OF VERMONT

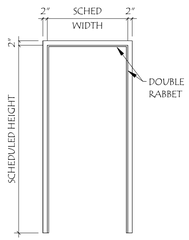
#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

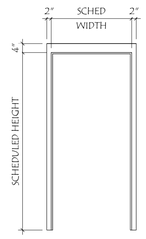
MIDDLEBURY, VERMONT

DOOR SCHEDULE & ELEVATIONS

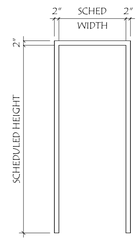
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN



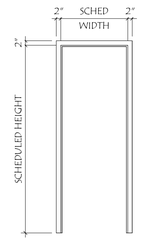
TYPE "A"
DOUBLE RABBET
HOLLOW MTL FRAME



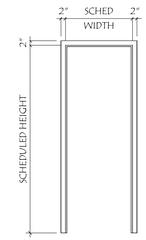
TYPE "B"
DOUBLE RABBET
HOLLOW MTL FRAME



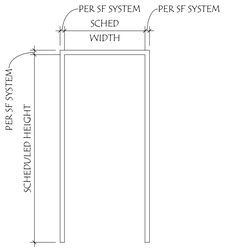
TYPE "CO"
NO RABBET (CASED OPENING)
HOLLOW MTL FRAME



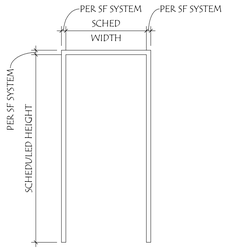
TYPE "WC"
CLAD WOOD FRAME



TYPE "WD"
WOOD FRAME



TYPE "SFI-1"
INTERIOR ALUMINUM
STOREFRONT FRAME
(STANDARD)

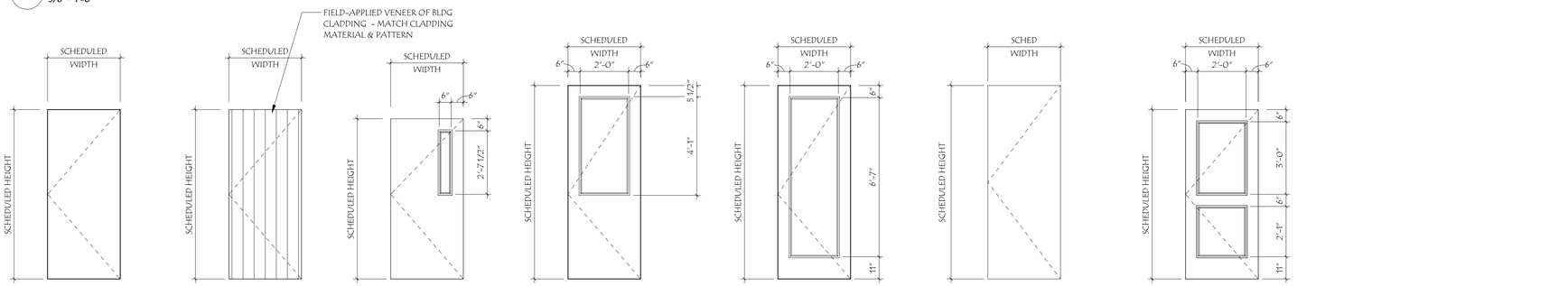


TYPE "SFE"
EXTERIOR ALUMINUM
STOREFRONT FRAME
(THERMALLY BROKEN)

TYPICAL MODIFIERS:
‹X›1: DRYWALL FRAME
‹X›2: STANDARD FRAME
‹X›3: THERMALLY BROKEN STANDARD FRAME
("X" VARIABLE REPRESNTS FRAME TYPE)

GENERAL DOOR FRAME NOTES:
1. REFERENCE SPECIFICATIONS FOR HM FRAME INSTALLATION TYPE.
2. ALL EXTERIOR METAL DOOR FRAMES TO BE GALVANIZED.
3. ALL EXTERIOR METAL DOOR FRAMES TO BE PROVIDED WITH INTEGRAL THERMAL BREAK.
4. REF DOOR SCHEDULES FOR FRAME SIZES
5. REF STOREFRONT ELEVATION SHEETS FOR STOREFRONT DOOR SIZES & ASSEMBLY LAYOUTS

2 A5.02 DOOR TYPES
3/8" = 1'-0"



TYPE "F"
FLUSH PANEL
SINGLE-SWING DOOR

TYPE "FB"
FLUSH DOOR W/
BOARD CLADDING
SINGLE-SWING DOOR

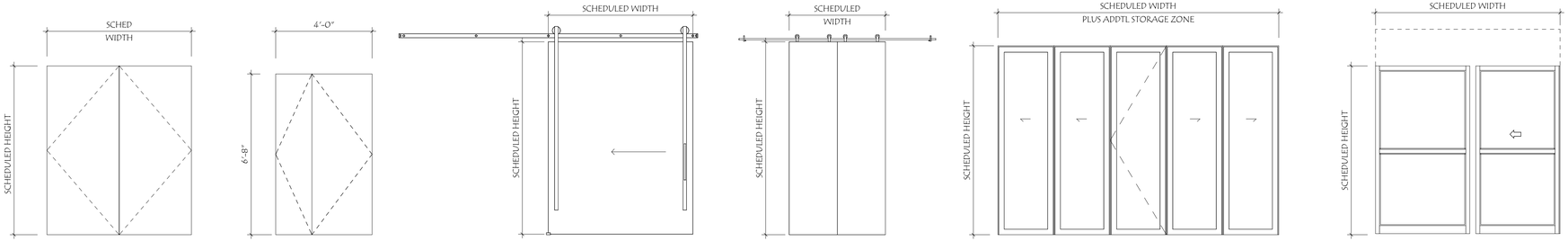
TYPE "NL"
NARROW-LITE
SINGLE-SWING DOOR

TYPE "HL"
HALF-LITE
SINGLE-SWING DOOR

TYPE "FL"
FULL-LITE
SINGLE-SWING DOOR

TYPE "FG"
FULL-GLASS
SINGLE-SWING DOOR IN
GLASS PARTITION SYSTEM

TYPE "DL"
DUAL-LITE
SINGLE-SWING DOOR



"PR" INDICATES PAIR OF
DESIGNATED DOOR PANELS
("PR F", "PR NL"....)

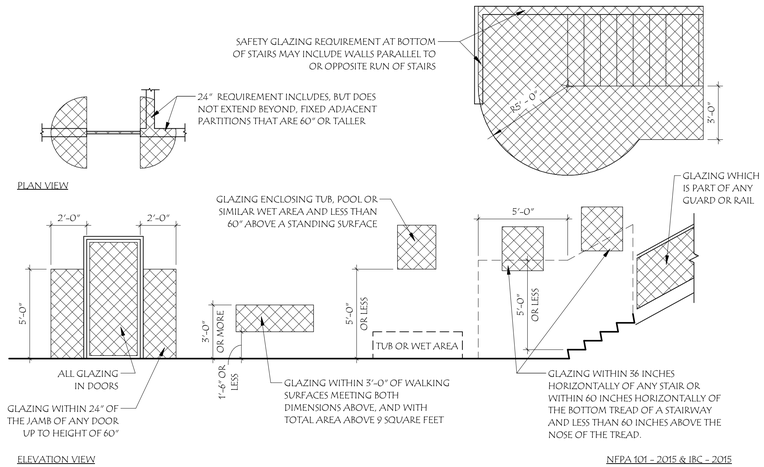
TYPE "PR U"
UNEVEN
DOUBLE DOORS

TYPE "BD-1"
BARN-DOOR STYLE
SLIDING DOOR

TYPE "BD-2"
BARN-DOOR STYLE
DOUBLE SLIDING DOOR

TYPE "FGW"
FOLDING GLASS WALL
PARTITION SYSTEM

TYPE "SD"
AUTOMATIC
SLIDING ENTRY DOOR



3 A5.02 SAFETY GLAZING
1/4" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. WRIGHT
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

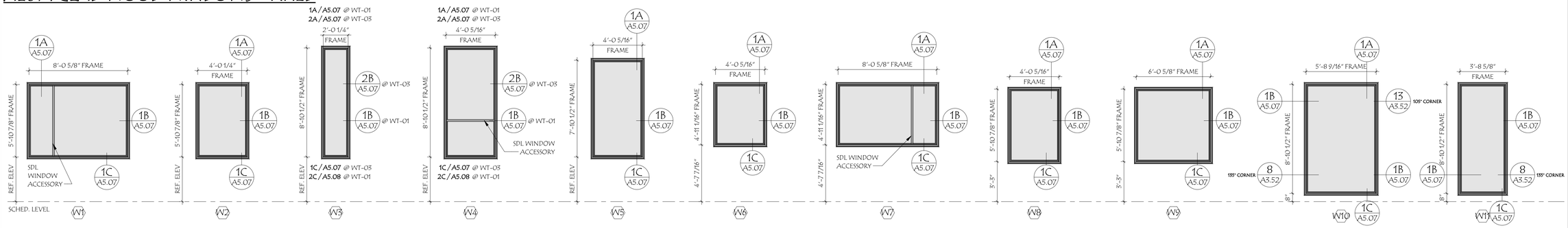
DOOR FRAME & PANEL SCHEDULES

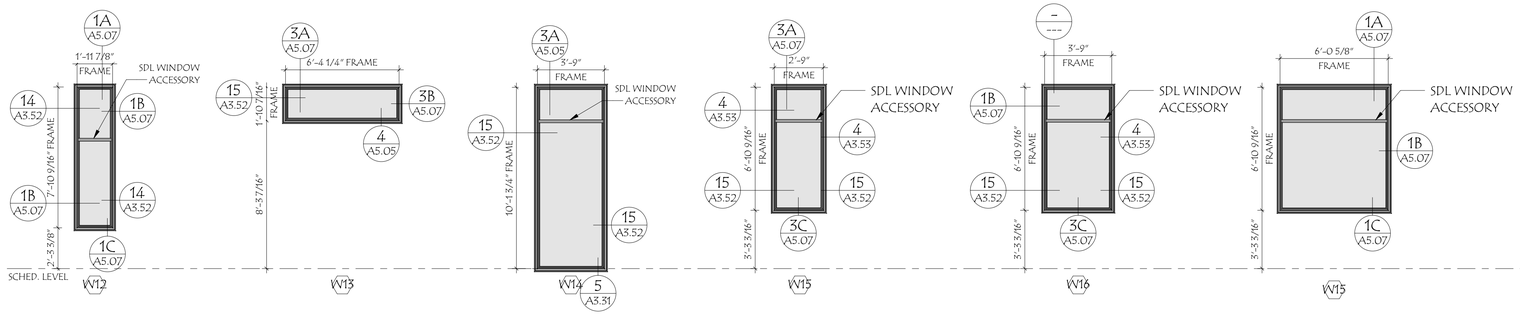
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	DW
SCALE:	As indicated

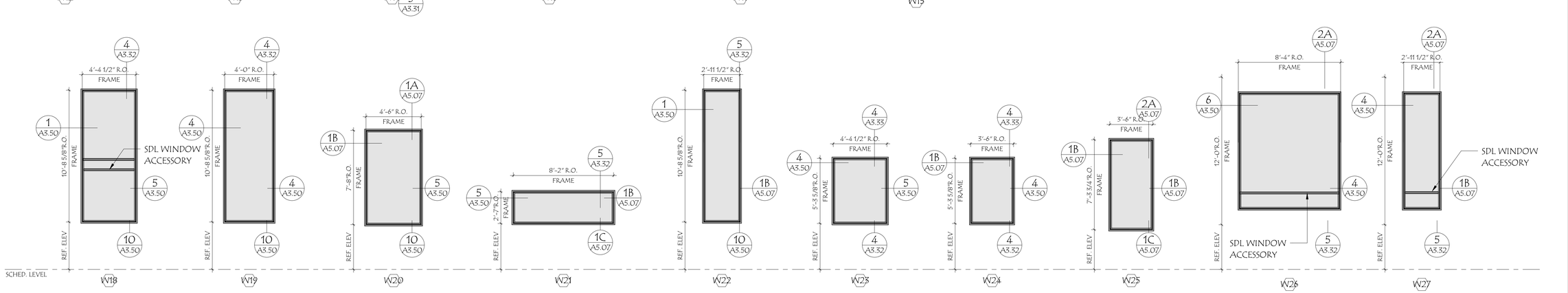
A5.02

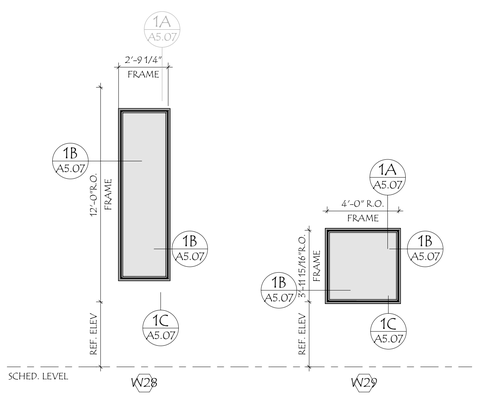
PRINTED: 1/24/2025 4:07:46 PM FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_jBARRETT222.rvt

ALUM CLAD WOOD WINDOWS - FIXED

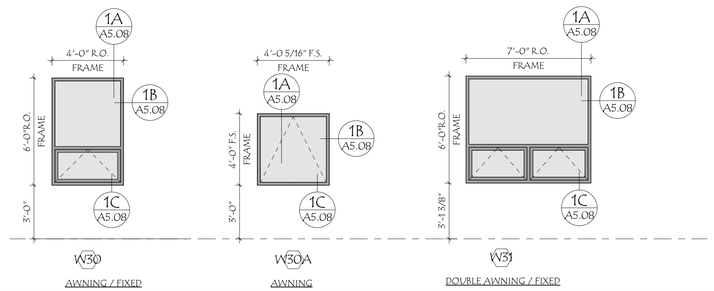




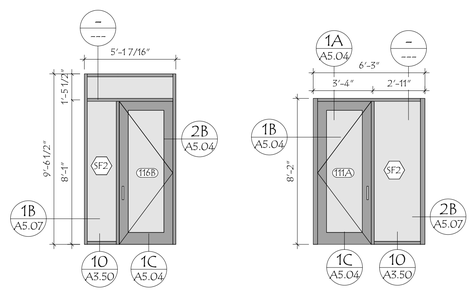




FIBERGLASS WINDOWS



EXTERIOR STOREFRONT



SHEET NOTES: WINDOW ELEVATIONS

1. REF SHEET A5.01 FOR SAFTEY GLAZING LOCATIONS
2. REF. ELEVATION FOR FIELD MULLED "FDML" UNITS

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

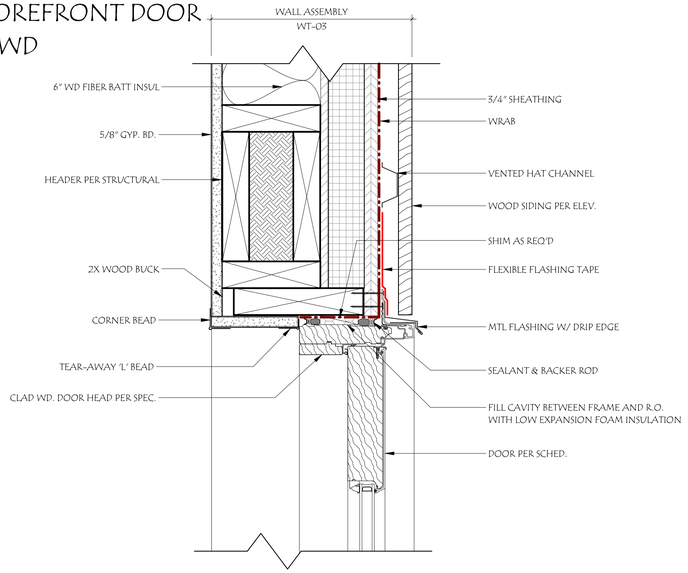
EXTERIOR WINDOWS & STOREFRONT ELEVATIONS

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	1/4" = 1'-0"

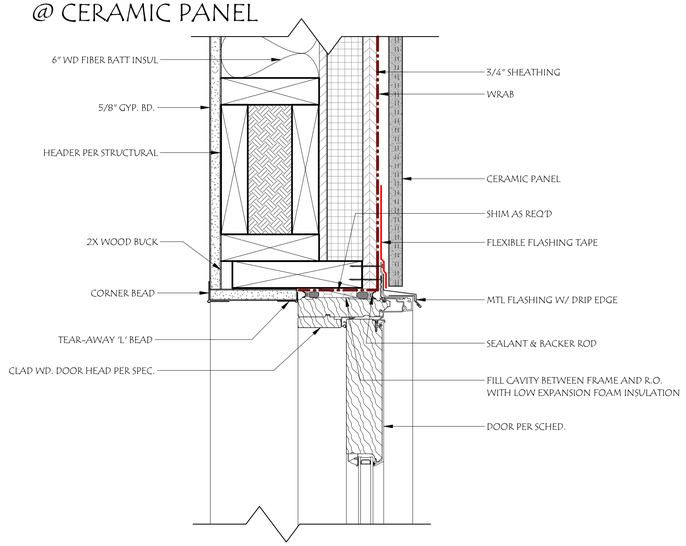
A5.03

PRINTED: 1/24/2025 4:07:48 PM
FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_jbARNETT222.rvt

STOREFRONT DOOR @ WD

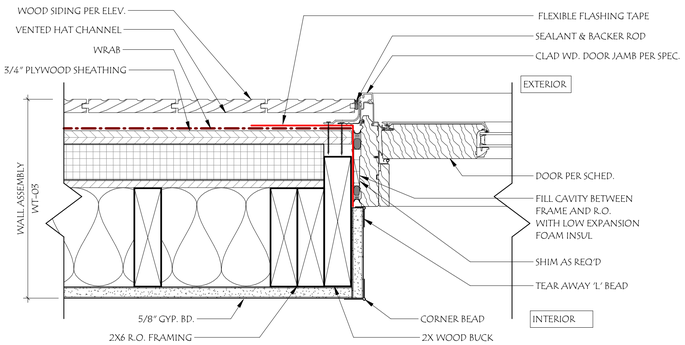


STOREFRONT DOOR @ CERAMIC PANEL



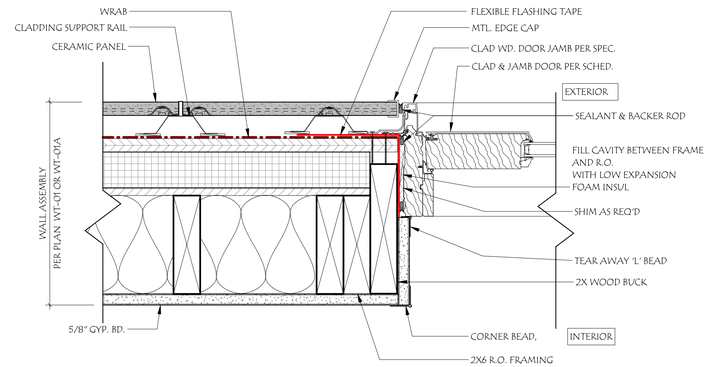
1A A5.04 STOREFRONT DOOR - HEAD @ WD. SIDING

3" = 1'-0"



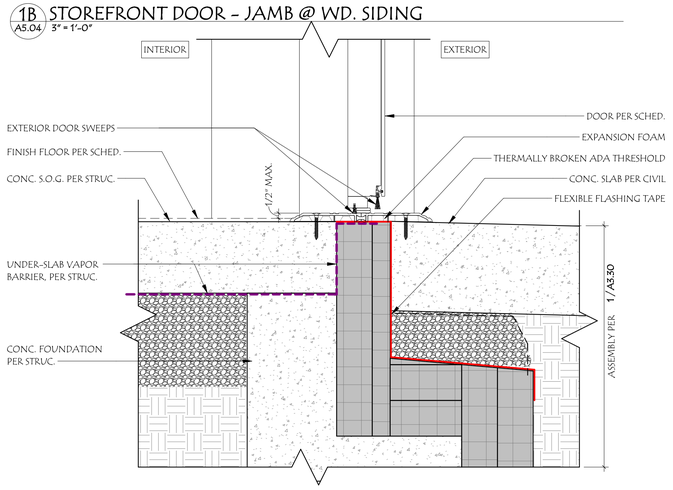
2A A5.04 STOREFRONT DOOR - HEAD @ CERAMIC PANEL

3" = 1'-0"



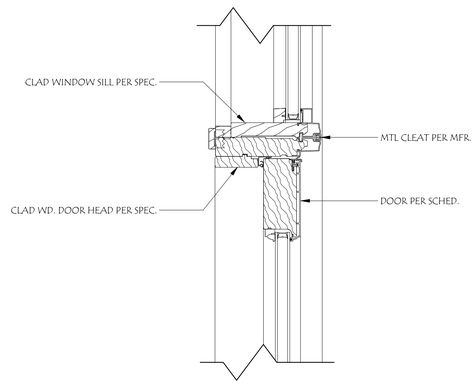
1B A5.04 STOREFRONT DOOR - JAMB @ WD. SIDING

3" = 1'-0"



2B A5.04 STOREFRONT DOOR - JAMB @ CERAMIC PANEL

3" = 1'-0"



1C A5.04 STOREFRONT DOOR - THRESHOLD

3" = 1'-0"

2C A5.04 STOREFRONT DOOR - HEAD @ MULLION

3" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANIA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST.
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT STEVEN M. ROY NO. 3020 STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

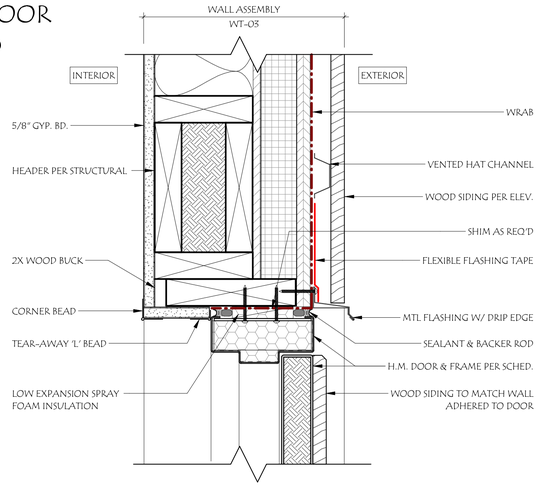
EXTERIOR STOREFRONT DOOR AND WINDOW DETAILS

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	3" = 1'-0"

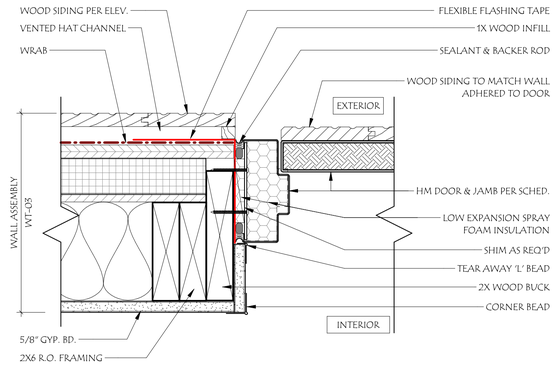
A5.04

PRINTED: 1/24/2025 4:07:49 PM FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_21A_CD_JBARETT22.rvt

HM DOOR @ WD

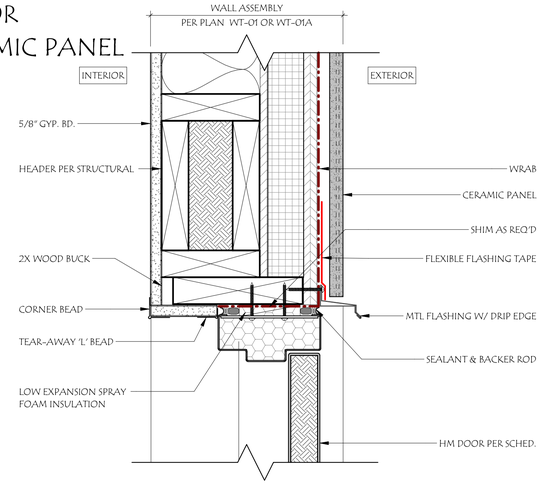


1A HM DOOR HEAD @ WD. SIDING
A5.05 3" = 1'-0"

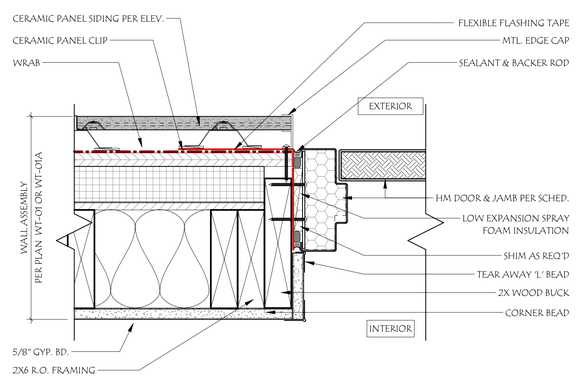


1B HM DOOR JAMB @ WD. SIDING
A5.05 3" = 1'-0"

HM DOOR @ CERAMIC PANEL

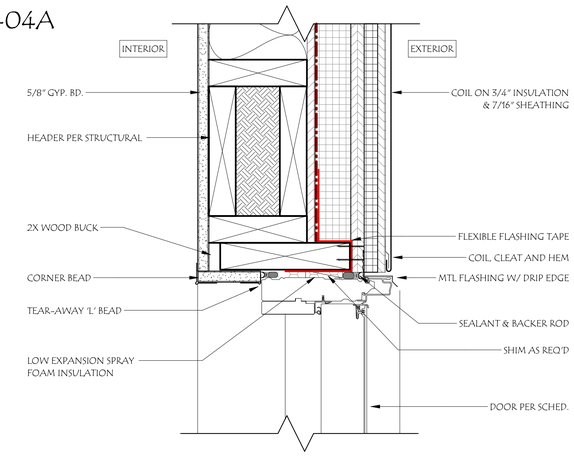


2A HM DOOR HEAD @ CERAMIC PANEL
A5.05 3" = 1'-0"

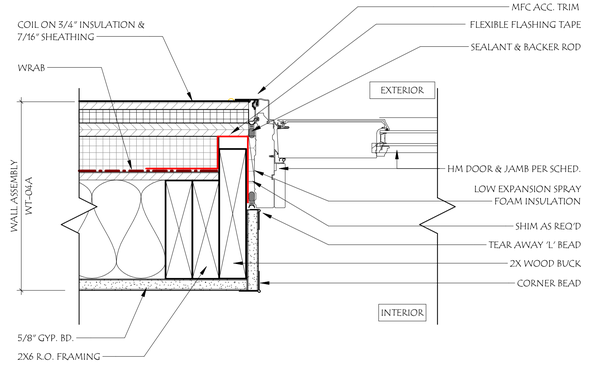


2B HM DOOR JAMB @ CERAMIC PANEL
A5.05 3" = 1'-0"

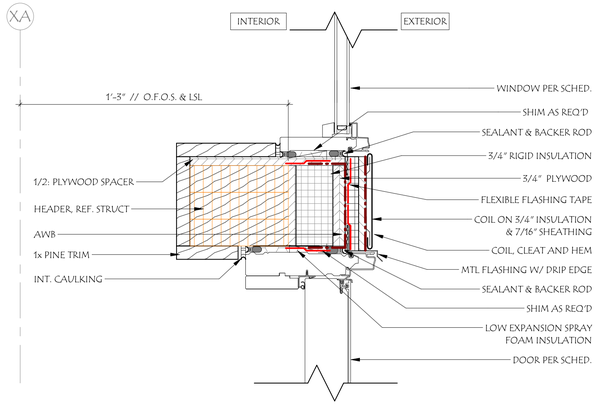
PELLA DOOR @ WT-04A



3A PELLA DOOR - HEAD @ MTL. SIDING
A5.05 3" = 1'-0"



3B PELLA DOOR - JAMB @ MTL. SIDING
A5.05 3" = 1'-0"



4 PELLA DOOR - HEAD @ TRANSOM
A5.05 3" = 1'-0"

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

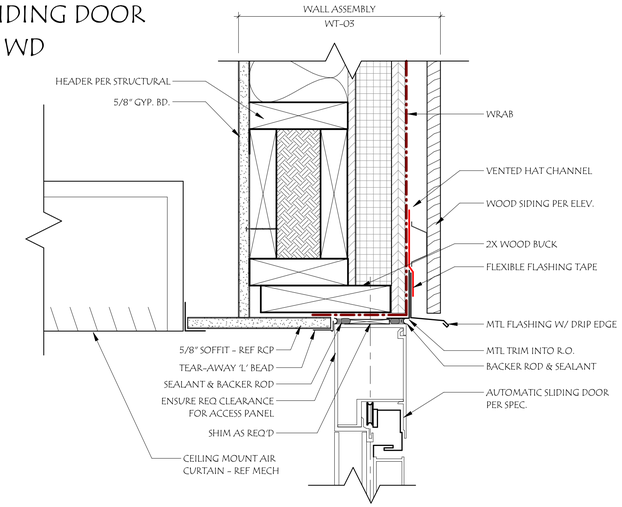
EXTERIOR DOOR DETAILS

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	3" = 1'-0"

A5.05

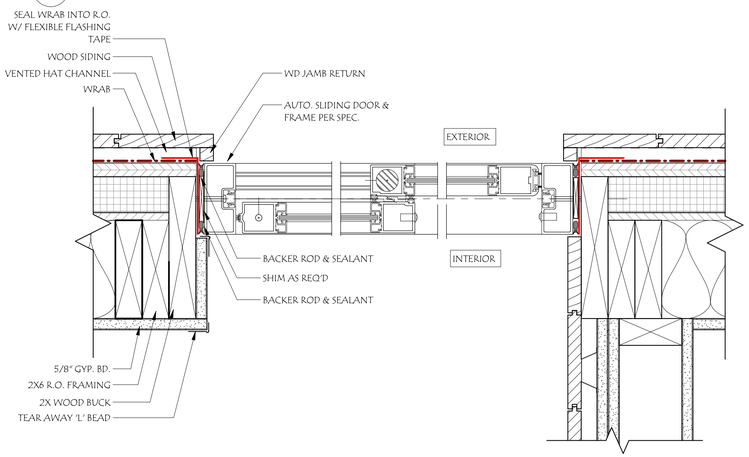
PRINTED: 1/24/2025 4:09:51 PM FILENAME: C:\Users\jbarnet\Documents\V20230118_ILSEY PUBLIC LIBRARY_R24_CD_JBARRETT222.rvt

SLIDING DOOR @ WD



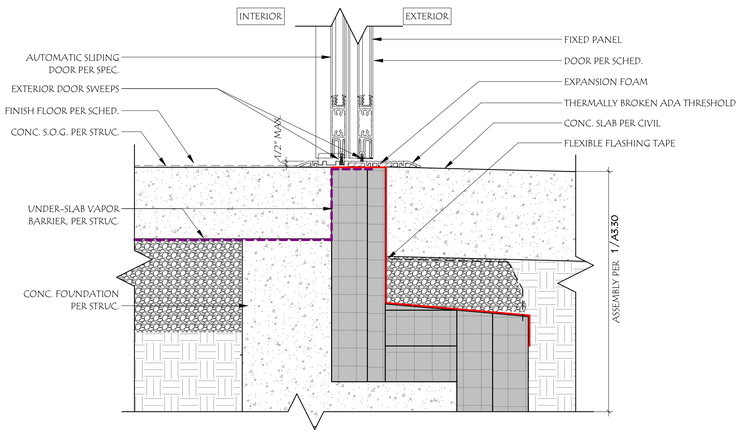
1A A5.06 SLIDING DOOR - HEAD @ WD. SIDING

3" = 1'-0"



1B A5.06 SLIDING DOOR - JAMB @ WD. SIDING

3" = 1'-0"



1 A5.06 SLIDING DOOR - THRESHOLD

3" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANIA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. MAYO
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

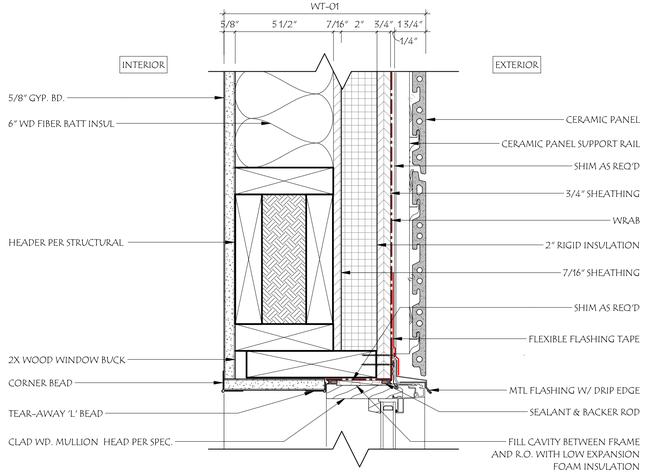
MIDDLEBURY, VERMONT

EXTERIOR SLIDING DOOR DETAILS

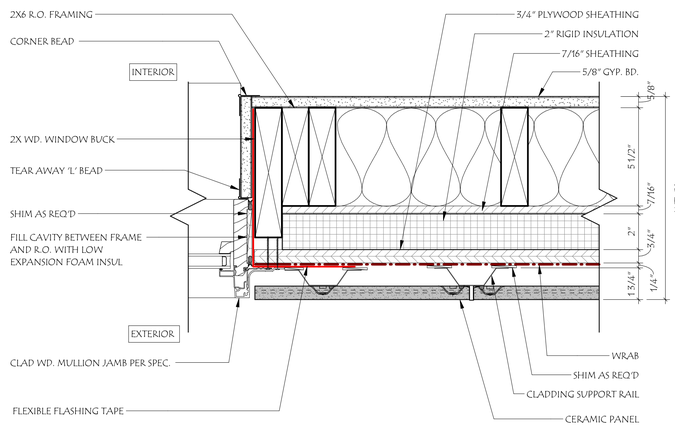
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	3" = 1'-0"

A5.06

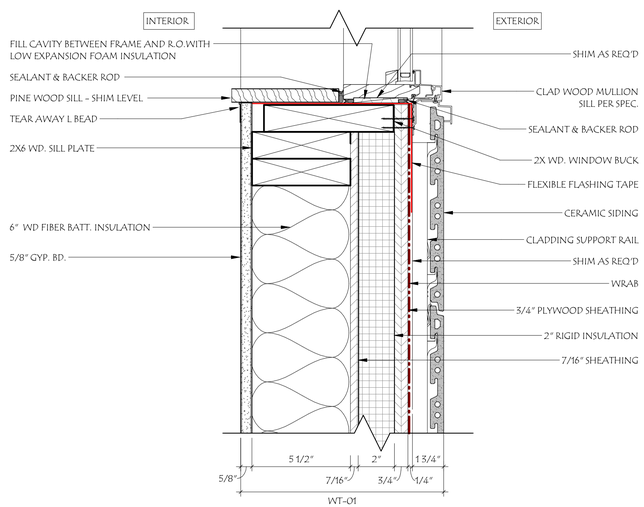
PRINTED: 1/24/2025 4:07:52 PM
FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_jbARRETT2221.rvt



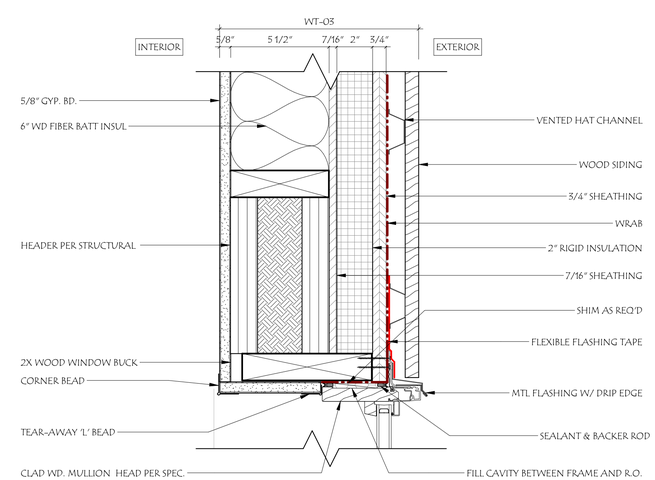
1A A5.07 WINDOW HEAD @ CERAMIC PANEL
3" = 1'-0"



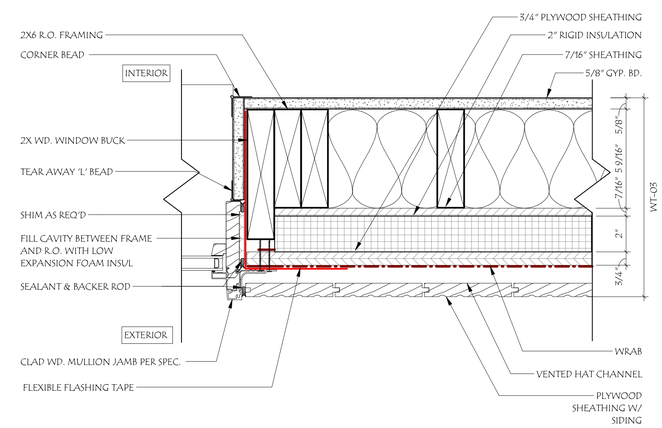
1B A5.07 WINDOW JAMB @ CERAMIC PANEL
3" = 1'-0"



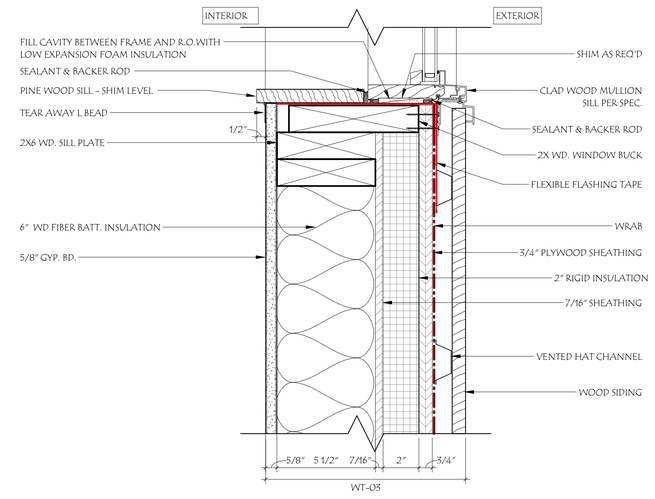
1C A5.07 WINDOW SILL @ CERAMIC PANEL
3" = 1'-0"



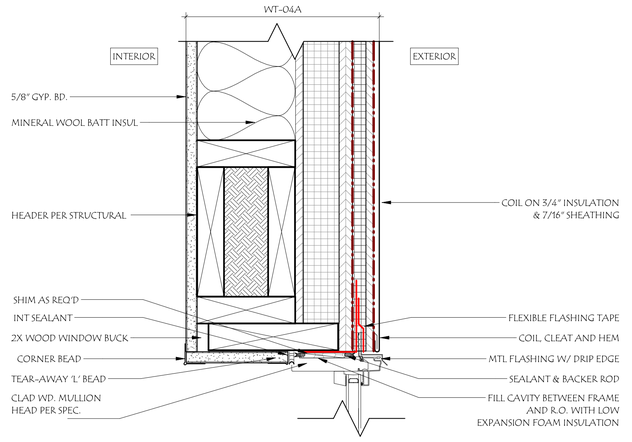
2A A5.07 MULLION WINDOW HEAD @ WD. SIDING
3" = 1'-0"



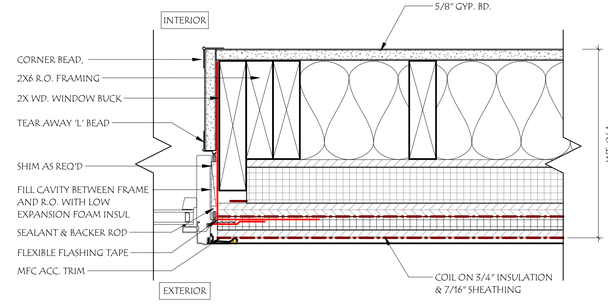
2B A5.07 MULLION WINDOW JAMB @ WD. SIDING
3" = 1'-0"



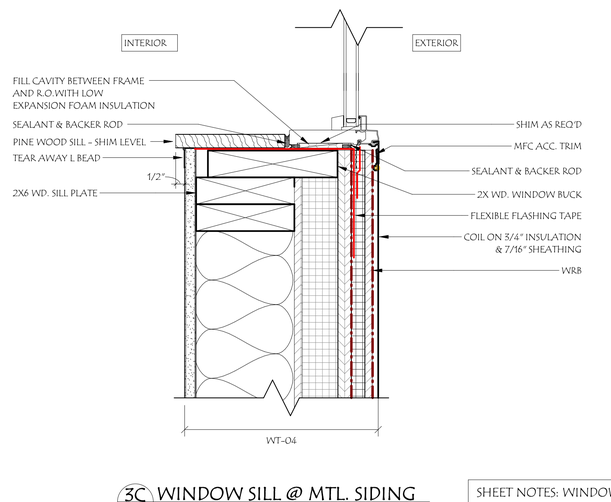
2C A5.07 WINDOW SILL @ WD. SIDING
3" = 1'-0"



3A A5.07 WINDOW HEAD @ MTL. SIDING
3" = 1'-0"



3B A5.07 WINDOW JAMB @ MTL. SIDING
3" = 1'-0"



3C A5.07 WINDOW SILL @ MTL. SIDING
3" = 1'-0"

SHEET NOTES: WINDOW DETAILS

1. REF SHEET A0.15 FOR EXTERIOR WALL ASSEMBLIES & NOTES.

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

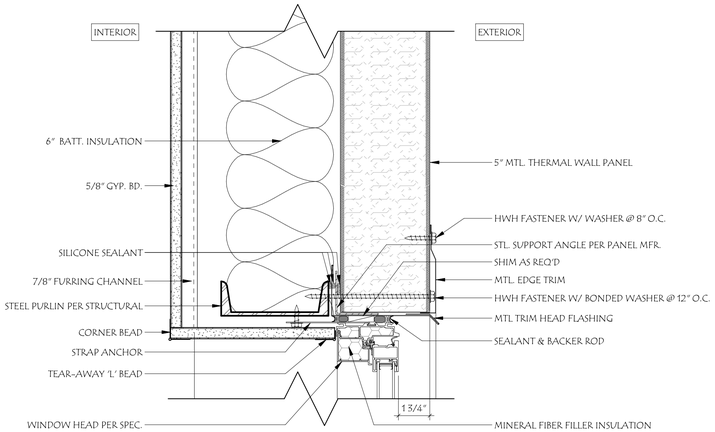
MIDDLEBURY, VERMONT

EXTERIOR WINDOW DETAILS

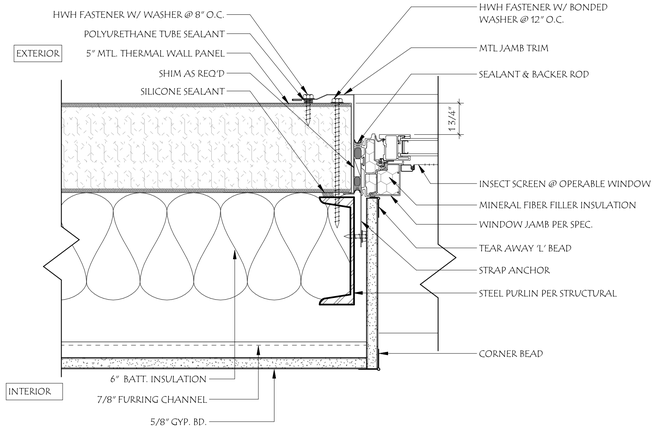
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	As indicated

A5.07

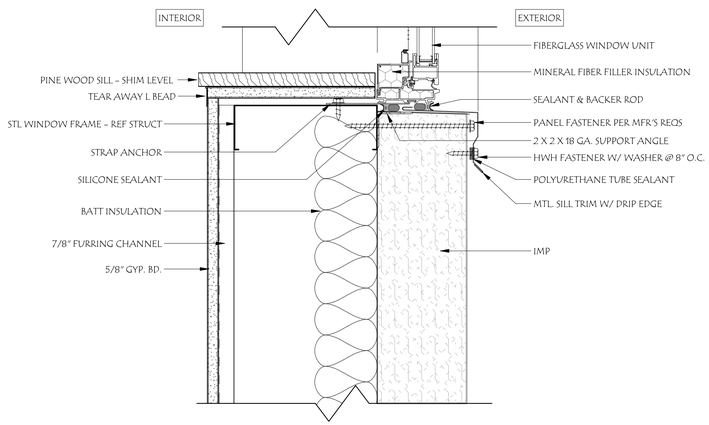
FILENAME: C:\Users\jkennell\Documents\20230118_ILSLEY PUBLIC LIBRARY_R24_CD_BARRETT223.rvt
PRINTED: 1/24/2025 4:07:54 PM



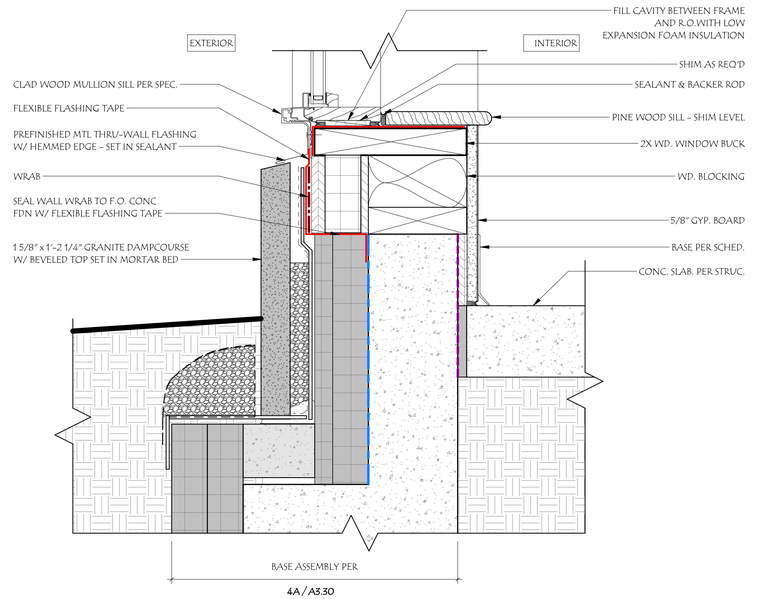
1A A5.08 WINDOW HEAD @ IMP
3" = 1'-0"



1B A5.08 WINDOW JAMB @ IMP
3" = 1'-0"



1C A5.08 WINDOW SILL @ IMP
3" = 1'-0"



2C A5.08 CLAD WINDOW SILL @ GRANITE BASE
3" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANIA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST.
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT STEVEN M. ROY NO. 3020 STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

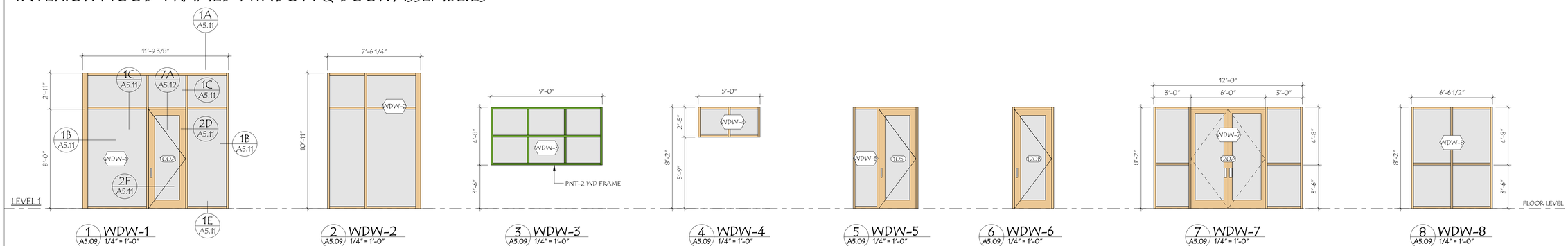
EXTERIOR WINDOW DETAILS

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	3" = 1'-0"

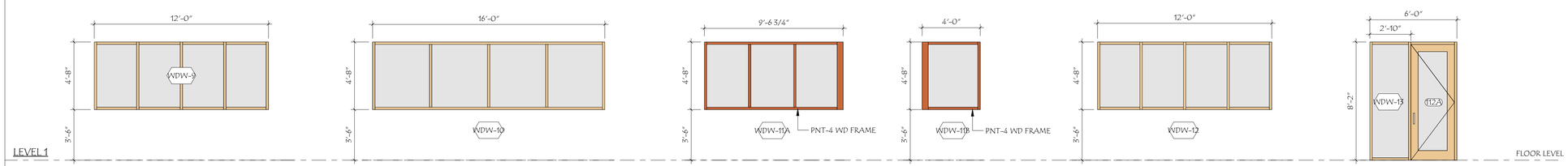
A5.08

PRINTED: 1/24/2025 4:07:56 PM FILENAME: C:\Users\jbonnell\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_BARRETT222.rvt

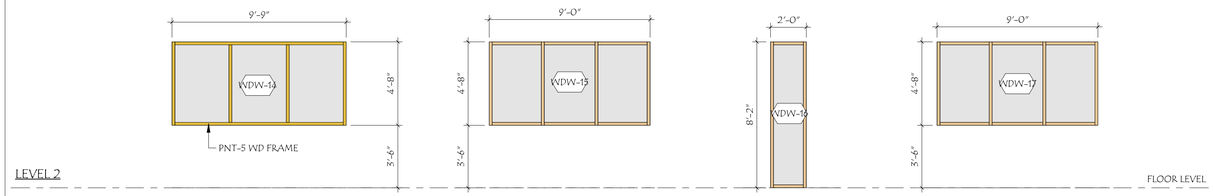
INTERIOR WOOD-FRAMED WINDOW & DOOR ASSEMBLIES



1 WDW-1 A5.09 1/4" = 1'-0" | 2 WDW-2 A5.09 1/4" = 1'-0" | 3 WDW-3 A5.09 1/4" = 1'-0" | 4 WDW-4 A5.09 1/4" = 1'-0" | 5 WDW-5 A5.09 1/4" = 1'-0" | 6 WDW-6 A5.09 1/4" = 1'-0" | 7 WDW-7 A5.09 1/4" = 1'-0" | 8 WDW-8 A5.09 1/4" = 1'-0"

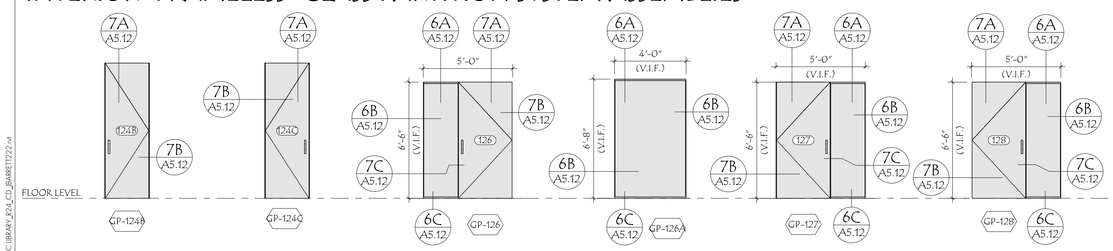


9 WDW-9 A5.09 1/4" = 1'-0" | 10 WDW-10 A5.09 1/4" = 1'-0" | 11A WDW-11A A5.09 1/4" = 1'-0" | 11B WDW-11B A5.09 1/4" = 1'-0" | 12 WDW-12 A5.09 1/4" = 1'-0" | 13 WDW-13 A5.09 1/4" = 1'-0"

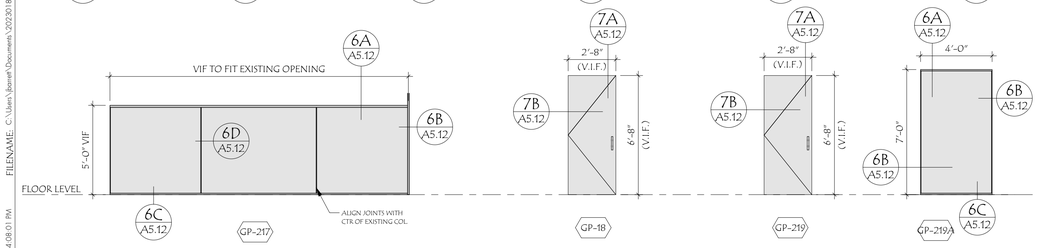


14 WDW-14 A5.09 1/4" = 1'-0" | 15 WDW-15 A5.09 1/4" = 1'-0" | 16 WDW-16 A5.09 1/4" = 1'-0" | 17 WDW-17 A5.09 1/4" = 1'-0"

INTERIOR "FRAMELESS" GLASS PARTITION SYSTEM ASSEMBLIES



18 GP-124B A5.09 1/4" = 1'-0" | 19 GP-124C A5.09 1/4" = 1'-0" | 23 GP-126 A5.09 1/4" = 1'-0" | 22 GP-126A A5.09 1/4" = 1'-0" | 24 GP-127 A5.09 1/4" = 1'-0" | 25 GP-128 A5.09 1/4" = 1'-0"



26 GP-217 A5.09 1/4" = 1'-0" | 27 GP-218 A5.09 1/4" = 1'-0" | 28 GP-219 A5.09 1/4" = 1'-0" | 29 GP-219A A5.09 1/4" = 1'-0"

ABBREVIATIONS: DOOR & WINDOW

ACW	ALUM CLAD WOOD
ALUM	ALUMINUM
ANNO	ANNODIZED
CLR	CLEAR POLYURETHANE
CW	CURTAINWALL
EAC	ELECTRONIC ACCESS CONTROL
EXTG	EXISTING
FF	FACTORY FINISHED
FG	FIBERGLASS
FRRG	FIRE RESISTANT RATED GLAZING
FS	FRAME SIZE/UNIT SIZE
GALV	GALVANIZED
GP	GLASS PARTITION
HM	HOLLOW METAL
HPL	HIGH PRESSURE LAMINATE
IG	INSULATED GLASS UNIT
IHM	INSULATED HOLLOW METAL
IRG	IMPACT RATED GLAZING
ISG	INSULATED SAFETY GLAZING UNIT
INS	INSULATED
PNT	PAINTED
SCW	SOLID CORE W/ WOOD VENEER
SF	STOREFRONT
SG	SAFETY GLAZING (CLEAR)
TB	THERMALLY BROKEN
WD	SOLID WOOD
WDW	WOOD WINDOW

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANIA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST.
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. WOLF
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

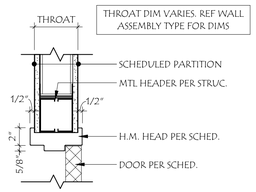
MIDDLEBURY, VERMONT

INT WOOD GLAZING ASSEMBLIES & GLASS PARTITION ELEVATIONS

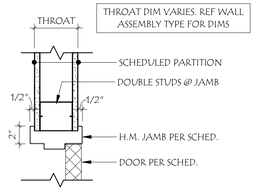
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMW
DRAWN BY:	KG/DW
SCALE:	1/4" = 1'-0"

A5.09

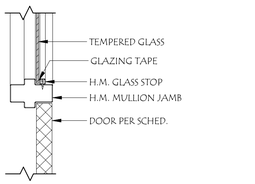
FILENAME: C:\Users\jbarnett\Documents\20230118_ILSLEY PUBLIC LIBRARY_R24_CD_JBARRETT222.rvt
PRINTED: 1/24/2025 4:08:01 PM



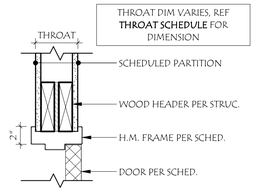
1A HM HEAD AT MTL PARTITION
A5.10 1 1/2" = 1'-0"



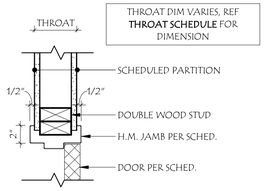
1B HM JAMB AT MTL PARTITION
A5.10 1 1/2" = 1'-0"



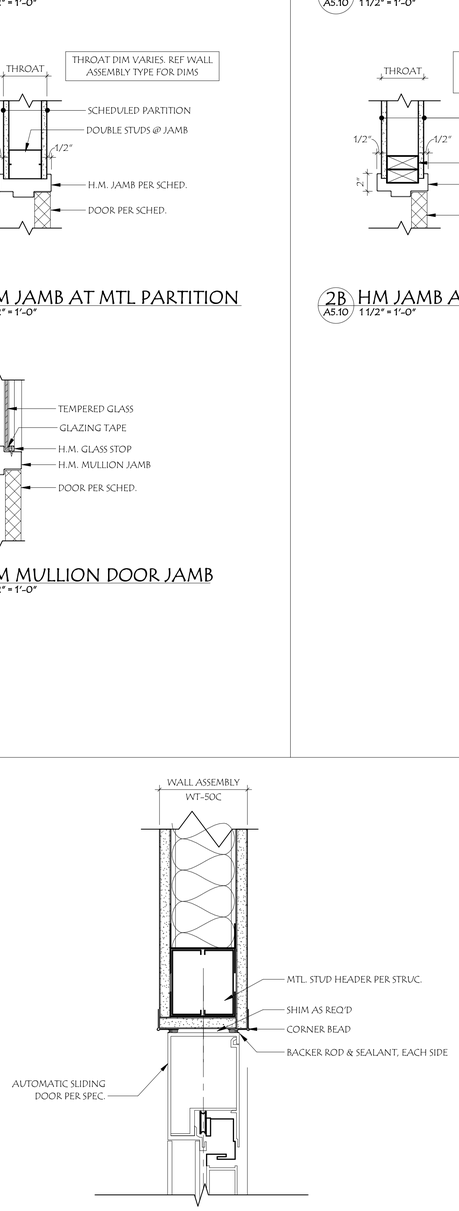
1C HM MULLION DOOR JAMB
A5.10 1 1/2" = 1'-0"



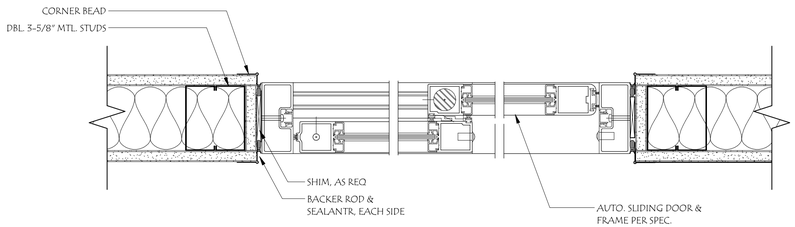
2A HM HEAD AT WD PARTITION
A5.10 1 1/2" = 1'-0"



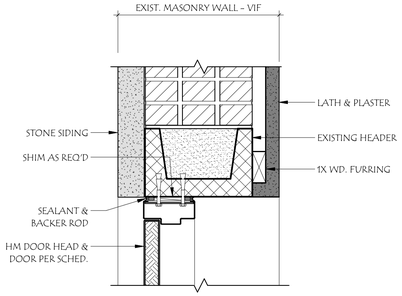
2B HM JAMB AT WD PARTITION
A5.10 1 1/2" = 1'-0"



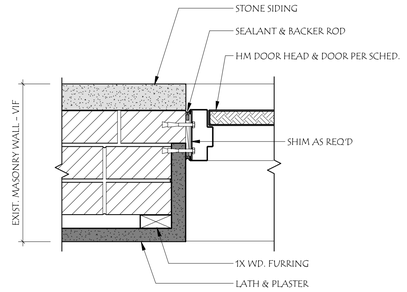
3A INT. SLIDING DOOR HEAD
A5.10 3" = 1'-0"



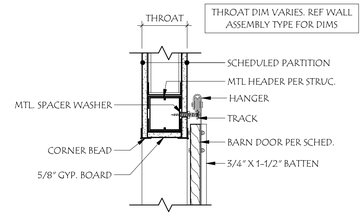
3B INT.SLIDING DOOR JAMBS
A5.10 3" = 1'-0"



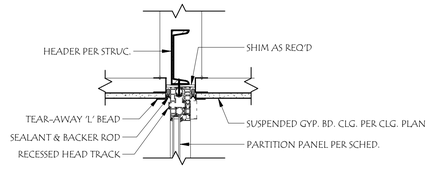
4A HM DOOR HEAD AT MASONRY WALL
A5.10 1 1/2" = 1'-0"



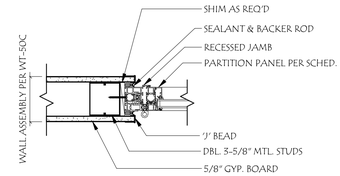
4B HM DOOR JAMB AT MASONRY WALL
A5.10 1 1/2" = 1'-0"



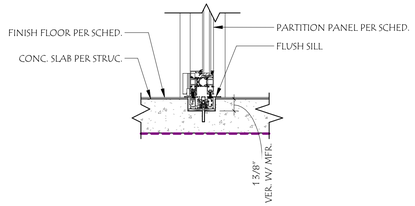
5 BARN DOOR HEAD AT MTL PARTITION
A5.10 1 1/2" = 1'-0"



6A FOLDING PARTITION HEAD
A5.10 1 1/2" = 1'-0"



6B FOLDING PARTITION JAMB
A5.10 1 1/2" = 1'-0"



6C FOLDING PARTITION SADDLE SILL
A5.10 1 1/2" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANIA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

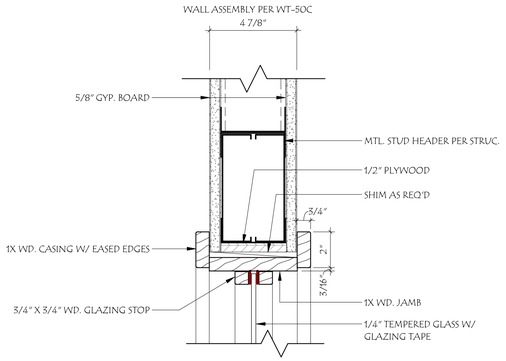
INTERIOR DETAILS - HEAD, JAMB, & SILL @ DOORS

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	As indicated

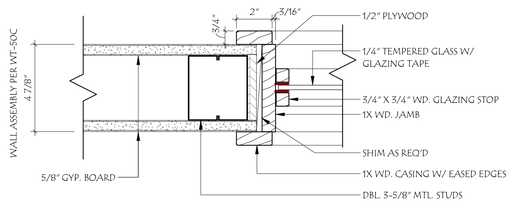
A5.10

PRINTED: 1/24/2025 4:08:02 PM FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_jbARRETT222.rvt

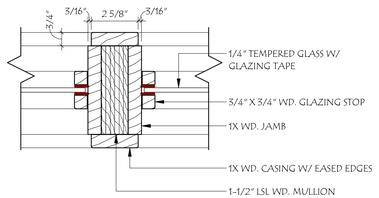
INTERIOR WOOD WINDOW DETAILS



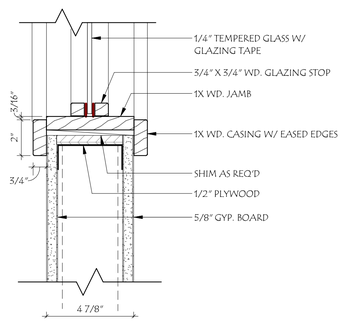
1A A5.11 INT WOOD WINDOW HEAD
3" = 1'-0"



1B A5.11 INT WOOD WINDOW JAMB
3" = 1'-0"

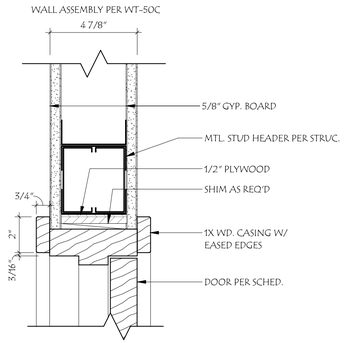


1C A5.11 INT WOOD WINDOW MULLION
3" = 1'-0"

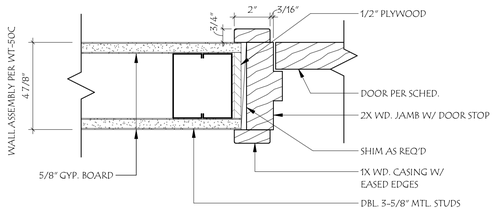


1D A5.11 INT WOOD WINDOW SILL
3" = 1'-0"

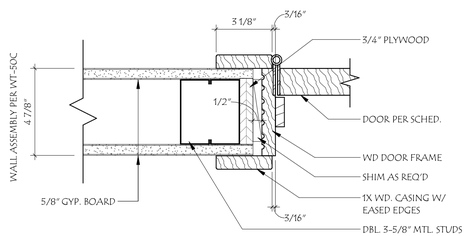
INTERIOR WOOD DOOR DETAILS



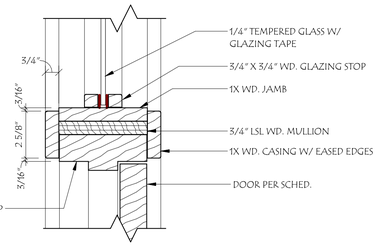
2A A5.11 INT WOOD DOOR HEAD
3" = 1'-0"



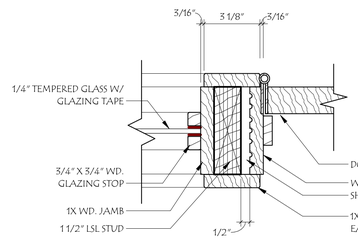
2C A5.11 INT WOOD DOOR JAMB - STRIKE @ WALL
3" = 1'-0"



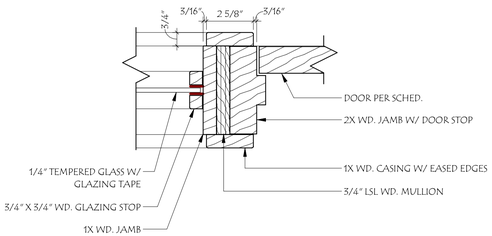
2E A5.11 INT WOOD DOOR JAMB - HINGE @ WALL
3" = 1'-0"



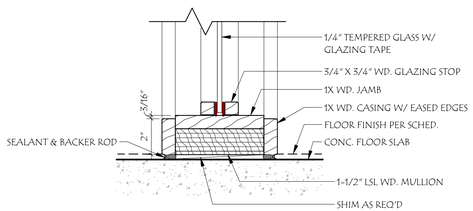
2B A5.11 INT WOOD DOOR HEAD @ TRANSOM
3" = 1'-0"



2D A5.11 INT WOOD DOOR JAMB - HINGE @ MULLION
3" = 1'-0"

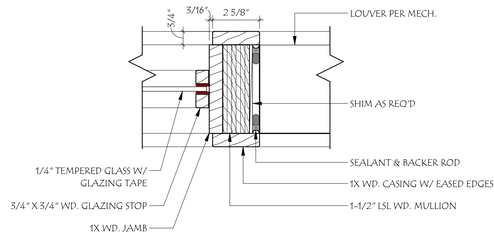


2F A5.11 INT WOOD DOOR JAMB - STRIKE @ MULLION
3" = 1'-0"

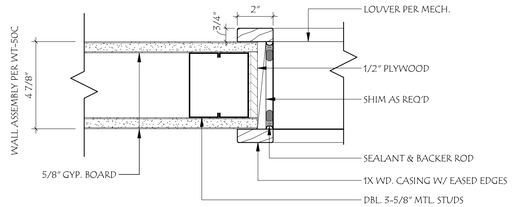


1E A5.11 INT WOOD WINDOW SILL @ FLOOR LEVEL
3" = 1'-0"

INTERIOR WOOD LOUVER DETAILS



3A A5.11 INT WOOD MULLION @ LOUVER
3" = 1'-0"



3B A5.11 INT WOOD JAMB @ LOUVER
3" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST.
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDLEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. WOLF
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

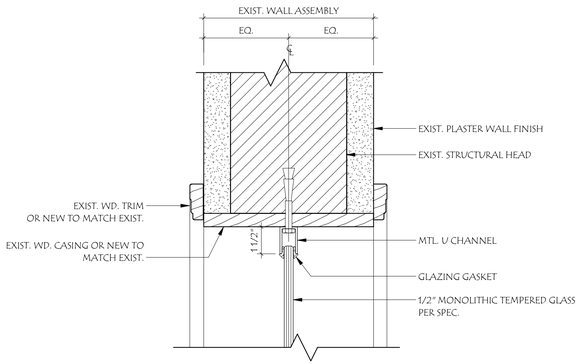
MIDDLEBURY, VERMONT

INTERIOR DETAILS - HEAD, JAMB, & SILL @ WD WINDOW AND DOOR

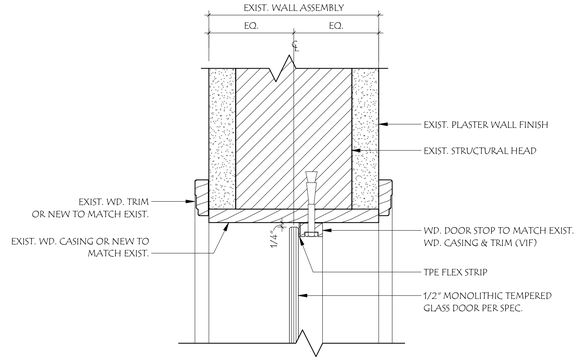
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SWR
DRAWN BY:	KG
SCALE:	3" = 1'-0"

A5.11

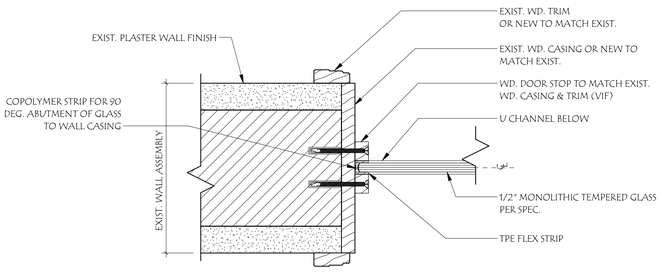
PRINTED: 1/24/2025 4:08:04 PM FILENAME: C:\Users\Boone\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_BARRETT222.rvt



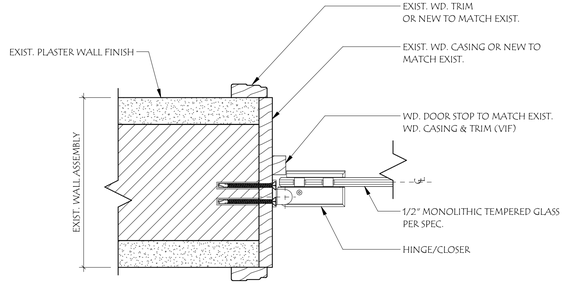
6A GLASS PARTITION HEAD
A5.12 3" = 1'-0"



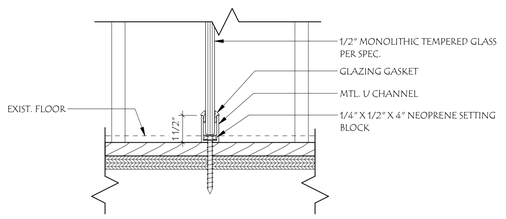
7A GLASS PARTITION DOOR HEAD
A5.12 3" = 1'-0"



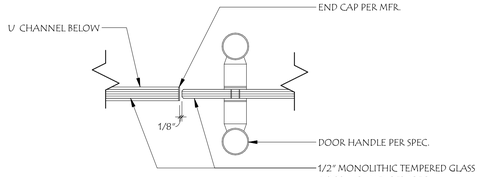
6B GLASS PARTITION @ WALL
A5.12 3" = 1'-0"



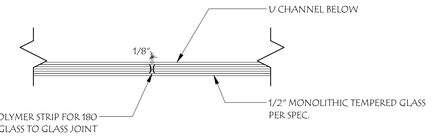
7B GLASS PARTITION DOOR JAMB @ WALL
A5.12 3" = 1'-0"



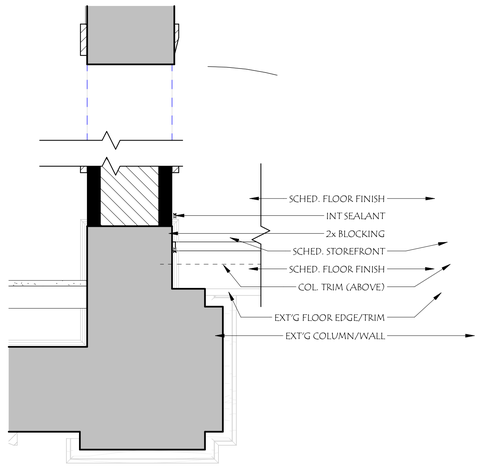
6C GLASS PARTITION SILL
A5.12 3" = 1'-0"



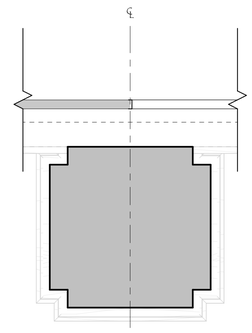
7C GLASS PARTITION DOOR JAMB @ SIDELIGHT
A5.12 3" = 1'-0"



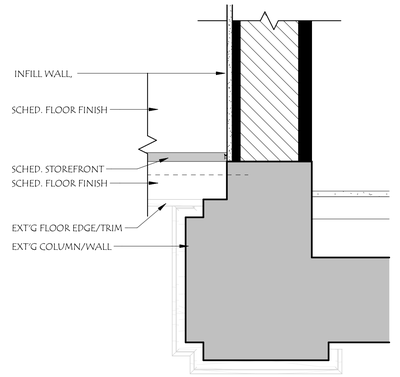
6D GLASS PARTITION JOINT
A5.12 3" = 1'-0"



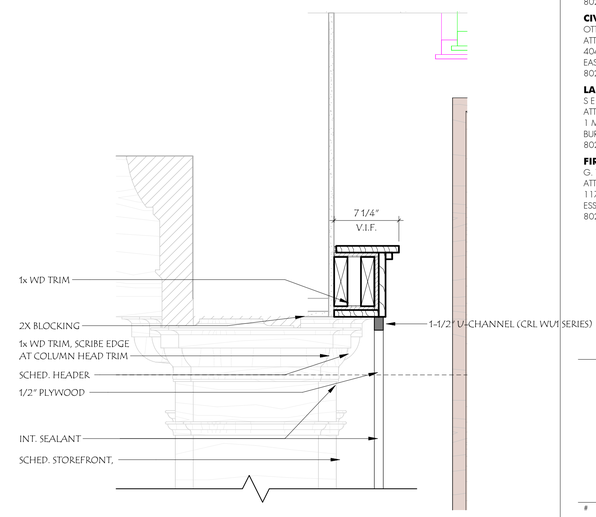
1 SF INFILL JAMB @ EXT'G COL. (N)
A5.12 1 1/2" = 1'-0"



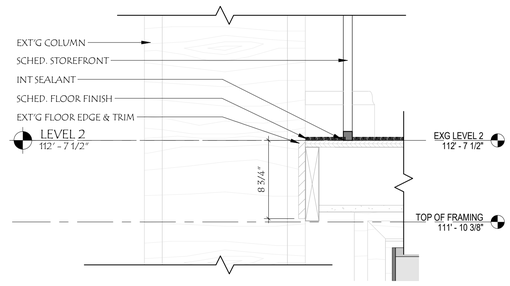
2 SF INFILL JAMB @ EXT'G COL.
A5.12 1 1/2" = 1'-0"



3 SF INFILL JAMB @ EXT'G COL. (S)
A5.12 1 1/2" = 1'-0"



5 1923 L2 SF INFILL - HEAD
A5.12 1 1/2" = 1'-0"



4 1923 L2 STOREFRONT INFILL - SILL
A5.12 1 1/2" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

INTERIOR DETAILS @ GLASS PARTITIONS

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	As indicated

A5.12

PRINTED: 1/24/2025 4:08:06 PM
FILENAME: C:\Users\jkarnell\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_jkarnell7222.rvt

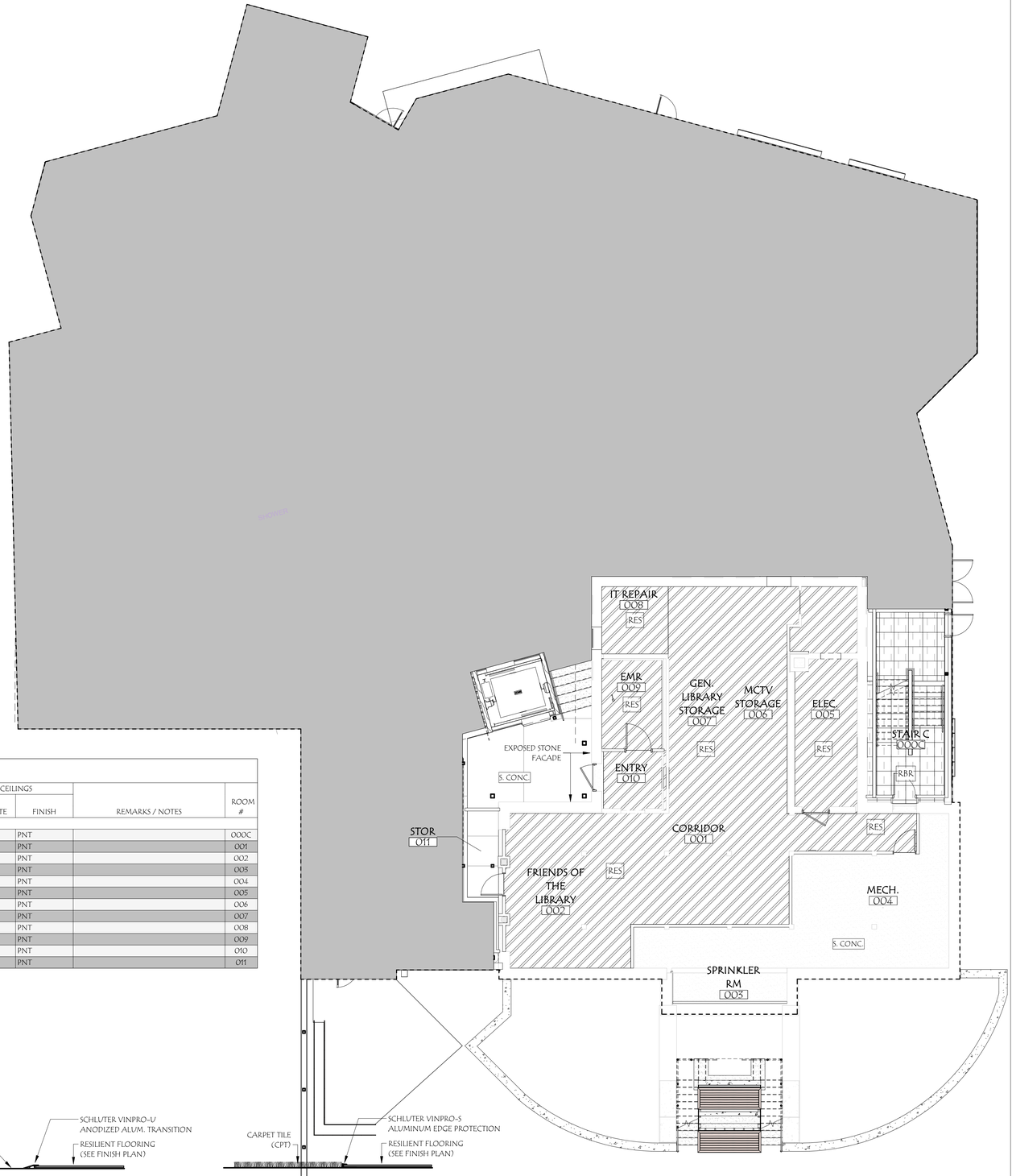
MATERIALS ABBV. SCHEDULE	
ABBV.	DESCRIPTION
ACP	ACOUSTICAL CEILING PANEL
CONC	CONCRETE
CPT	CARPET TILE
CT	CERAMIC TILE
FF	FACTORY FINISH
FRP	FIBERGLASS REINFORCED PLASTIC
GWB	GYPSUM WALL BOARD
LVT	LUXURY VINYL TILE
MB	MOUNTING BOARD
MR GWB	MOISTURE RESISTANT GYPSUM WALL BOARD
N/A	NOT APPLICABLE
OGLVS	LUXURY VINYL SHEET
PLY	PLYWOOD
PNT	PAINT
PT	PORCELAIN TILE
QT	QUARRY TILE
RB	RESILIENT OR RUBBER BASE
SEAL	CONCRETE SEALER
SPFL	SPECIALTY FLOORING
VCT	VINYL COMPOSITION TILE
WB	WOOD BASE
WD	WOOD
WOG	WALK OFF GRATE

WALK-OFF GRATE (WOG)
WALK-OFF CARPET TILE (WO-CPT)
SEALED CONCRETE (SEAL)
EXT'G WOOD (WD)
FIELD CARPET TILE (CPT-1)
ACCENT CARPET TILE (CPT-2)
RESILIENT SHEET (RES)
RUBBER (RBR)
REPURPOSED MARBLE TILE (MT-1)

FLOOR FINISH KEY

	TAG	DESCRIPTION
	PNT-1	FIELD PAINT COLOR
	WD-1	EXTERIOR WOOD CLADDING
	WD-2 / PNT-2	PAINTED WD BATTENS & GYP.
	WD-3 / PNT-3	PAINTED WD BATTENS & GYP.
	WD-4 / PNT-4	PAINTED WD BATTENS & GYP.
	WD-5 / PNT-5	PAINTED WD BATTENS & GYP.
	WD-1	ACOUSTIC WOOD WALL
	PNT-6	DOOR FRAMES / ACCENT PNT
	PT-1	12X24 BATHROOM WALL TILE

WALL FINISH KEY
1/8" = 1'-0"



1. SEE FINISH FLOOR PLANS FOR ADDITIONAL WALL & FLOOR FINISH INFORMATION & LOCATIONS

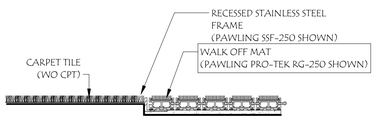
2. SEE REFLECTED CEILING PLANS FOR ADDITIONAL CEILING INFORMATION.

3. PROVIDE MOISTURE RESISTANT GYP BD IN ALL TOILET & BATHROOMS.

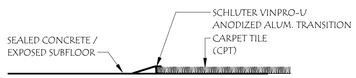
FINISH SCHEDULE NOTES

BASEMENT FINISH SCHEDULE

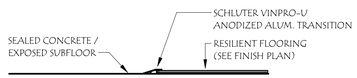
ROOM #	ROOM NAME	FLOORS SUBSTRATE	FLOORS FINISH	FLOORS WALL BASE	NORTH SUBSTRATE	NORTH FINISH	WEST SUBSTRATE	WEST FINISH	SOUTH SUBSTRATE	SOUTH FINISH	EAST SUBSTRATE	EAST FINISH	CEILINGS SUBSTRATE	CEILINGS FINISH	REMARKS / NOTES	ROOM #
		COORDINATE EXTENTS WITH PLAN			WALLS											
000C	STAIR C	CONC.	RBR	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT		000C
001	CORRIDOR	CONC.	RES	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT		001
002	FRIENDS OF THE LIBRARY	CONC.	RES	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT		002
003	SPRINKLER RM	CONC.	SEALED	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT		003
004	MECH.	CONC.	SEALED	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT		004
005	ELEC.	CONC.	RES	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT		005
006	MCTV STORAGE	CONC.	RES	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT		006
007	GEN. LIBRARY STORAGE	CONC.	RES	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT		007
008	IT REPAIR	CONC.	RES	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT		008
009	EMR	CONC.	RES	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT		009
010	ENTRY	CONC.	RES	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT		010
011	STOR	CONC.	SEALED	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	1	GYP.	PNT-1	GYP.	PNT		011



2 A6.00 TYPICAL WO-CPT TO WOG
3" = 1'-0"



3 A6.00 TYPICAL CPT TO SUBFLOOR
3" = 1'-0"



4 A6.00 TYPICAL RBR TO SUBFLOOR
3" = 1'-0"

5 A6.00 TYPICAL CPT TO RES/RBR
3" = 1'-0"

1 A6.00 EXT'G BASEMENT
1/8" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT STEVEN M. WOLF NO. 3020 STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

N

BASEMENT FINISH PLAN & SCHEDULE

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	As indicated

A6.00

PRINTED: 1/24/2025 4:08:10 PM FILENAME: C:\Users\jbonner\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_BARRETT222.rvt

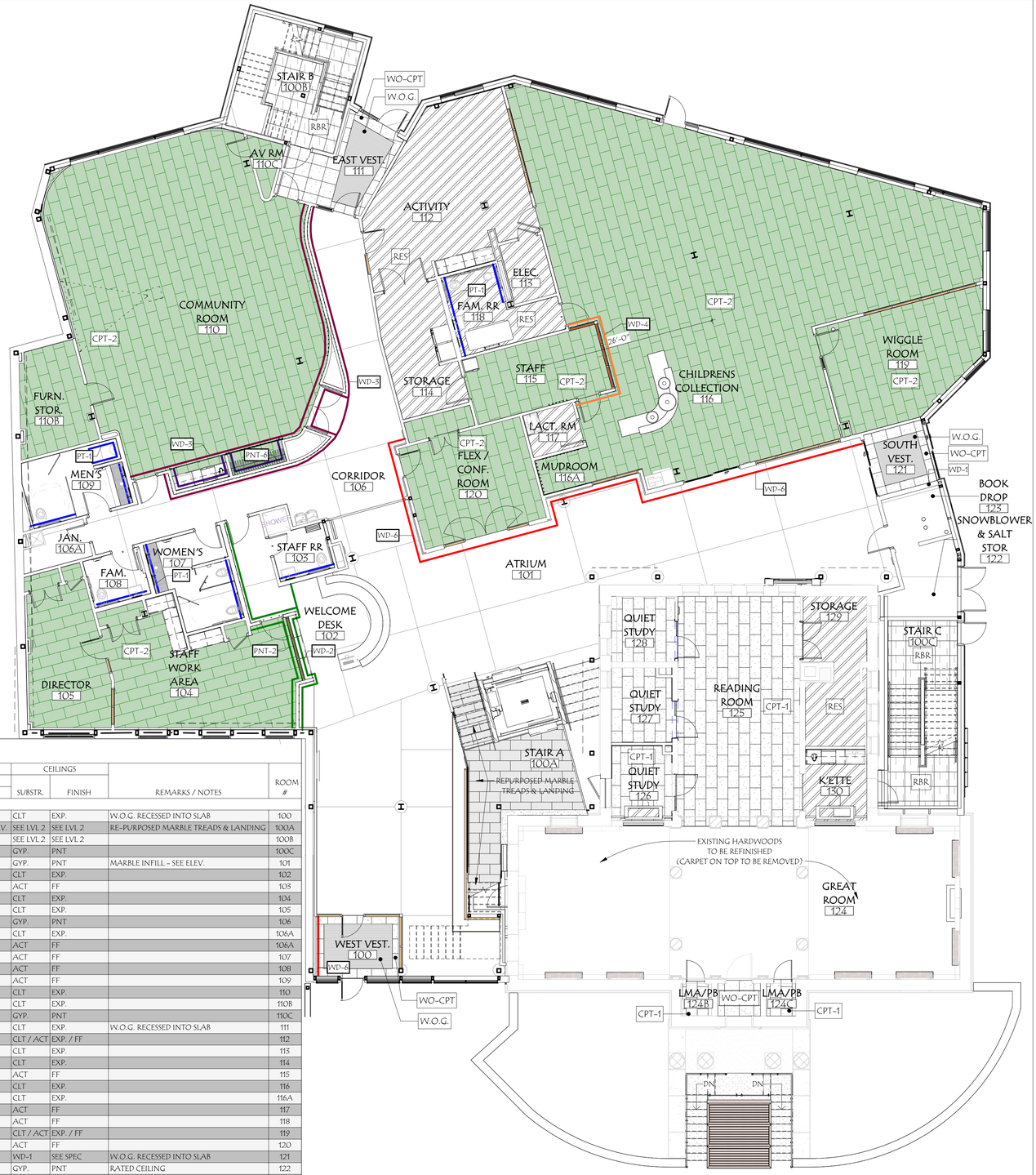
MATERIALS ABBV. SCHEDULE	
ABBV.	DESCRIPTION
ACP	ACOUSTICAL CEILING PANEL
CONC	CONCRETE
CPT	CARPET TILE
CT	CERAMIC TILE
FF	FACTORY FINISH
FRP	FIBERGLASS REINFORCED PLASTIC
GWB	GYPSUM WALL BOARD
LVT	LUXURY VINYL TILE
MB	MOUNTING BOARD
MR GWB	MOISTURE RESISTANT GYPSUM WALL BOARD
N/A	NOT APPLICABLE
OGLVS	LUXURY VINYL SHEET
PLY	PLYWOOD
PNT	PAINT
PT	PORCELAIN TILE
QT	QUARRY TILE
RB	RESILIENT OR RUBBER BASE
SEAL	CONCRETE SEALER
SPFL	SPECIALTY FLOORING
VCT	VINYL COMPOSITION TILE
WB	WOOD BASE
WD	WOOD
WOG	WALK OFF GRATE

WALK-OFF GRATE (WOG)
WALK-OFF CARPET TILE (WO-CPT)
SEALED CONCRETE (SEAL)
EXT'G WOOD (WD)
FIELD CARPET TILE (CPT-1)
ACCENT CARPET TILE (CPT-2)
RESILIENT SHEET (RES)
RUBBER (RBR)
REPURPOSED MARBLE TILE (MT-1)

FLOOR FINISH KEY

	TAG	DESCRIPTION
	PNT-1	FIELD PAINT COLOR
	WD-1	EXTERIOR WOOD CLADDING
	WD-2 / PNT-2	PAINTED WD BATTENS & GYP.
	WD-3 / PNT-3	PAINTED WD BATTENS & GYP.
	WD-4 / PNT-4	PAINTED WD BATTENS & GYP.
	WD-5 / PNT-5	PAINTED WD BATTENS & GYP.
	WD-1	ACOUSTIC WOOD WALL
	PNT-6	DOOR FRAMES / ACCENT PNT
	PT-1	12X24 BATHROOM WALL TILE

WALL FINISH KEY
1/8" = 1'-0"



1 A6.01 1ST FLOOR - FINISH PLAN
1/8" = 1'-0"

1. SEE FINISH FLOOR PLANS FOR ADDITIONAL WALL & FLOOR FINISH INFORMATION & LOCATIONS

2. SEE REFLECTED CEILING PLANS FOR ADDITIONAL CEILING INFORMATION.

3. PROVIDE MOISTURE RESISTANT GYP BD IN ALL TOILET & BATHROOMS.

FINISH SCHEDULE NOTES

LEVEL 1 FINISH SCHEDULE

ROOM #	ROOM NAME	FLOORS: COORDINATE EXTENTS WITH PLAN: SUBSTR.	FLOORS: FINISH	FLOORS: WALL BASE	WALLS: NORTH: SUBSTR.	WALLS: NORTH: FINISH	WALLS: WEST: SUBSTR.	WALLS: WEST: FINISH	WALLS: SOUTH: SUBSTRATE	WALLS: SOUTH: FINISH	WALLS: EAST: SUBSTRATE	WALLS: EAST: FINISH	CEILINGS: SUBSTR.	CEILINGS: FINISH	REMARKS / NOTES	ROOM #
100	WEST VEST.	CONC.	W.O.G. / WO-CPT	HRS	GYP.	WD-6	GYP.	PNT-1	WDW / GYP.	PNT-1	WDW / GYP.	PNT-1	CLT	EXP.	W.O.G. RECESSED INTO SLAB	100
100A	STAIR A	CONC.	MT-1	---	---	---	---	EXT'G STONE	---	EXT'G STONE / WD-6	CLT	EXP. CLT @ ELEV.	SEE LVL 2	SEE LVL 2	RE-PURPOSED MARBLE TREADS & LANDING	100A
100B	STAIR B	CONC.	RBR	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	SEE LVL 2	SEE LVL 2		100B
100C	STAIR C	CONC.	RBR	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT.		100C
101	ATRIUM	CONC.	SEALED	HRS	---	---	---	EXT'G STONE / MARBLE	GYP.	PNT-1	GYP.	WD-6	GYP.	PNT.	MARBLE INFILL - SEE ELEV.	101
102	WELCOME DESK	CONC.	SEALED	HRS	GYP.	WD-2 / PNT-2	---	---	---	---	GYP.	PNT-1	CLT	EXP.		102
103	STAFF RR	CONC.	SEALED	BULLNOSE PT-1	MR GYP.	PNT-1	MR GYP.	PT-1 / PNT-1	MR GYP.	PNT-1	MR GYP.	PNT-1	ACT	FF		103
104	STAFF WORK AREA	CONC.	CPT-2	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-2	GYP.	PNT-1	CLT	EXP.		104
105	DIRECTOR	CONC.	CPT-2	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	CLT	EXP.		105
106	CORRIDOR	CONC.	SEALED	HRS	GYP.	WD-3/PNT-3 /PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	WD-3 / PNT-3	GYP.	PNT		106
106A	JAN.	CONC.	SEALED	RB	MR GYP.	PNT-1	MR GYP.	PNT-1	MR GYP.	PNT-1	MR GYP.	PNT-1	CLT	EXP.		106A
106A	CORR	CONC.	SEALED	HRS	GYP.	WD-2 / PNT-2	GYP.	WD-2 / PNT-2	GYP.	PNT-1	GYP.	PNT-1	ACT	FF		106A
107	WOMEN'S	CONC.	SEALED	BULLNOSE PT-1	MR GYP.	PT-1 / PNT-1	MR GYP.	PNT-1	MR GYP.	PT-1 / PNT-1	MR GYP.	PNT-1	ACT	FF		107
108	FAM.	CONC.	SEALED	BULLNOSE PT-1	MR GYP.	PNT-1	MR GYP.	PT-1 / PNT-1	MR GYP.	PNT-1	MR GYP.	PNT-1	ACT	FF		108
109	MEN'S	CONC.	SEALED	BULLNOSE PT-1	MR GYP.	PNT-1	MR GYP.	PT-1 / PNT-1	MR GYP.	PT-1 / PNT-1	MR GYP.	PT-1 / PNT-1	ACT	FF		109
110	COMMUNITY ROOM	CONC.	CPT-2	HRS	GYP.	PNT-1	GYP.	WD-3 / PNT-3	GYP.	WD-3 / PNT-3	GYP.	PNT-1	CLT	EXP.		110
110B	FURN. STOR.	CONC.	CPT-2	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	CLT	EXP.		110B
110C	AV RM	CONC.	CPT-2	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT		110C
111	EAST VEST.	CONC.	W.O.G. / WO-CPT	HRS	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	CLT	EXP.	W.O.G. RECESSED INTO SLAB	111
112	ACTIVITY	CONC.	RES	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	CLT / ACT	EXP. / FF		112
113	ELEC.	CONC.	RES	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	CLT	EXP.		113
114	STORAGE	CONC.	RES	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	CLT	EXP.		114
115	STAFF	CONC.	CPT-2	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	ACT	FF		115
116	CHILDRENS COLLECTION	CONC.	CPT-2	RB	GYP.	WD-6/PNT-6 /PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	CLT	EXP.		116
116A	MUDROOM	CONC.	CPT-2	RB	GYP.	WD / PNT-1	GYP.	PNT-1	---	---	GYP.	WD / PNT-1	CLT	EXP.		116A
117	LACT. RM	CONC.	RES	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	ACT	FF		117
118	FAM. RR	CONC.	RES	BULLNOSE PT-1	MR GYP.	PT-1 / PNT-1	MR GYP.	PNT-1	MR GYP.	PT-1 / PNT-1	MR GYP.	PNT-1	ACT	FF		118
119	WIGGLE ROOM	CONC.	CPT-2	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	CLT / ACT	EXP. / FF		119
120	FLEX / CONF. ROOM	CONC.	CPT-2	HRS	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	ACT	FF		120
121	SOUTH VEST.	CONC.	W.O.G. / WO-CPT	HRS	GYP.	PNT-1	GYP.	WD-1	GYP.	PNT-1	GYP.	PNT-1	WD-1	SEE SPEC	W.O.G. RECESSED INTO SLAB	121
122	SNOWBLOWER & SALT STOR	CONC.	SEALED	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT	RATED CEILING	122
123	BOOK DROP	CONC.	SEALED	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT	RATED CEILING	123
124	GREAT ROOM		REFINISHED WD	ETR WD	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	PNT	DO NOT PAINT EXISTING WD	124
124B	LMA/PB		CPT-1	ETR WD	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	PNT	DO NOT PAINT EXISTING WD	124B
124C	LMA/PB		CPT-1	ETR WD	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	PNT	DO NOT PAINT EXISTING WD	124C
124D	EXIT VEST.		CPT-1	ETR WD	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	PNT	DO NOT PAINT EXISTING WD	124D
125	READING ROOM		CPT-1	ETR WD	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	GYP.	PNT	DO NOT PAINT EXISTING WD	125
126	QUIET STUDY		CPT-1	ETR WD	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	GYP.	PNT	DO NOT PAINT EXISTING WD	126
127	QUIET STUDY		CPT-1	ETR WD	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	GYP.	PNT	DO NOT PAINT EXISTING WD	127
128	QUIET STUDY		CPT-1	ETR WD	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	GYP.	PNT	DO NOT PAINT EXISTING WD	128
129	STORAGE		RES	ETR WD	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	GYP.	PNT	DO NOT PAINT EXISTING WD	129
130	K'ETTE		RES	ETR WD	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	ETR	ETR WD / PNT-1	GYP.	PNT	DO NOT PAINT EXISTING WD	130

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST.
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. WOLF
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

N

LEVEL 1 FINISH PLAN & SCHEDULE

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	KG
SCALE:	As indicated

A6.01

FILENAME: C:\Users\jbonnet\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_BarrettT227.rvt
PRINTED: 1/24/2025 4:08:18 PM

MATERIALS ABBV. SCHEDULE	
ABBV.	DESCRIPTION
ACP	ACOUSTICAL CEILING PANEL
CONC	CONCRETE
CPT	CARPET TILE
CT	CERAMIC TILE
FF	FACTORY FINISH
FRP	FIBERGLASS REINFORCED PLASTIC
GWB	GYPSUM WALL BOARD
LVT	LUXURY VINYL TILE
MB	MOUNTING BOARD
MR GWB	MOISTURE RESISTANT GYPSUM WALL BOARD
N/A	NOT APPLICABLE
OGLVS	LUXURY VINYL SHEET
PLY	PLYWOOD
PNT	PAINT
PT	PORCELAIN TILE
QT	QUARRY TILE
RB	RESILIENT OR RUBBER BASE
SEAL	CONCRETE SEALER
SPFL	SPECIALTY FLOORING
VCT	VINYL COMPOSITION TILE
WB	WOOD BASE
WD	WOOD
WOG	WALK OFF GRATE

WALK-OFF GRATE (WOG)
WALK-OFF CARPET TILE (WO-CPT)
SEALED CONCRETE (SEAL)
EXT'G WOOD (WD)
FIELD CARPET TILE (CPT-1)
ACCENT CARPET TILE (CPT-2)
RESILIENT SHEET (RES)
RUBBER (RBR)
REPURPOSED MARBLE TILE (MT-1)

FLOOR FINISH KEY

	TAG	DESCRIPTION
	PNT-1	FIELD PAINT COLOR
	WD-1	EXTERIOR WOOD CLADDING
	WD-2 / PNT-2	PAINTED WD BATTENS & GYP.
	WD-3 / PNT-3	PAINTED WD BATTENS & GYP.
	WD-4 / PNT-4	PAINTED WD BATTENS & GYP.
	WD-5 / PNT-5	PAINTED WD BATTENS & GYP.
	WD-1	ACOUSTIC WOOD WALL
	PNT-6	DOOR FRAMES / ACCENT PNT
	PT-1	12X24 BATHROOM WALL TILE

WALL FINISH KEY
1/8" = 1'-0"



1 A6.02 2ND FLOOR - FINISH PLAN
1/8" = 1'-0"

1. SEE FINISH FLOOR PLANS FOR ADDITIONAL WALL & FLOOR FINISH INFORMATION & LOCATIONS

2. SEE REFLECTED CEILING PLANS FOR ADDITIONAL CEILING INFORMATION.

3. PROVIDE MOISTURE RESISTANT GYP BD IN ALL TOILET & BATHROOMS.

FINISH SCHEDULE NOTES

LEVEL 2 FINISH SCHEDULE

ROOM #	ROOM NAME	FLOORS SUBSTRATE	FLOORS FINISH	FLOORS WALL BASE	NORTH SUBSTRATE	NORTH FINISH	WEST SUBSTRATE	WEST FINISH	SOUTH SUBSTRATE	SOUTH FINISH	EAST SUBSTRATE	EAST FINISH	CEILINGS SUBSTRATE	CEILINGS FINISH	REMARKS / NOTES	ROOM #
200	L2 LANDING / CIRC.		CPT-1	HRS / RB	GYP.	PNT-1 / WD-6	GYP.	PNT-1	--	--	--	--	CLT	EXP.		200
200A	STAIR A		MT-1	--	--	--	GYP.	PNT-1	EXT'G STONE	EXP	GYP.	MP-2	CLT	EXP.		200A
200B	STAIR B		RBR	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	CLT	EXP.		200B
200C	STAIR C		RBR	RB	GYP.	PNT-1	GYP.	PNT	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT		200C
201	ADULT COLLECTION		CPT-1 / CPT-2	RB	GYP.	PNT-1 / WD-5	--	--	GYP.	PNT-1	GYP.	PNT-1	CLT	EXP.		201
201A	OPEN STUDY		CPT-2	WALL FINISH	--	--	--	--	CLT	EXP	--	--	CLT	EXP.		201A
201B	OPEN STUDY		CPT-2	WALL FINISH	CLT	EXP	--	--	EXT'G STONE	EXP	--	--	CLT	EXP.		201B
202	ADULT GATHERING		CPT-2	RB	--	--	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1 / WD-6	CLT	EXP.	WD-6 AS A BID ALT.	202
204	M.S. COLLECTION		CPT-1 / CPT-2	RB	--	--	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	CLT	EXP.		204
205	M.S. GATHERING		CPT-2	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	CLT / ACT	EXP. / FF		205
205A	ELEC.		RES	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT		205A
205B	STOR		CPT-2	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT		205B
206	H.S. COLLECTION		CPT-1 / CPT-2	RB	GYP.	PNT-1	--	--	GYP.	PNT-1	GYP.	PNT-1	CLT	EXP.		206
207	H.S. GATHERING		CPT-2	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	CLT / ACT	EXP. / FF		207
208	MCTV STUDIO		CPT-2	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	CLT	EXP	SUSPENDED PIPE GRID	208
209	DIGITAL MEDIA LAB		CPT-2	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	ACT	FF		209
210	TLT		RES	RB	MR GYP.	PNT-1	MR GYP.	PNT-1	MR GYP.	PNT-1	MR GYP.	PNT-1	ACT	FF		210
211	TLT		RES	RB	MR GYP.	PNT-1	MR GYP.	PNT-1	MR GYP.	PNT-1	MR GYP.	PNT-1	ACT	FF		211
212	JAN.		RES	RB	MR GYP.	PNT-1	MR GYP.	PNT-1	MR GYP.	PNT-1	MR GYP.	PNT-1	CLT	EXP.		212
213	STAFF BR.		RES	RB	MR GYP.	PNT-1	MR GYP.	PNT-1	MR GYP.	PNT-1	MR GYP.	PNT-1	ACT	FF		213
214	STAFF BREAK RM.		RES	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	CLT	EXP.		214
215	BOOK PROCESSING		CPT-1	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	CLT	EXP.		215
216	SERVER		RES	RB	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	CLT	EXP.		216
217	READING ROOM		CPT-1	MATCH EXT'G	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT		217
218	OPEN STUDY		CPT-1	MATCH EXT'G	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT		218
219	OPEN STUDY		CPT-1	MATCH EXT'G	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT		219
221	STORAGE		CPT-1	MATCH EXT'G	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT-1	GYP.	PNT		221

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT STEVEN M. WOLF NO. 3020 STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

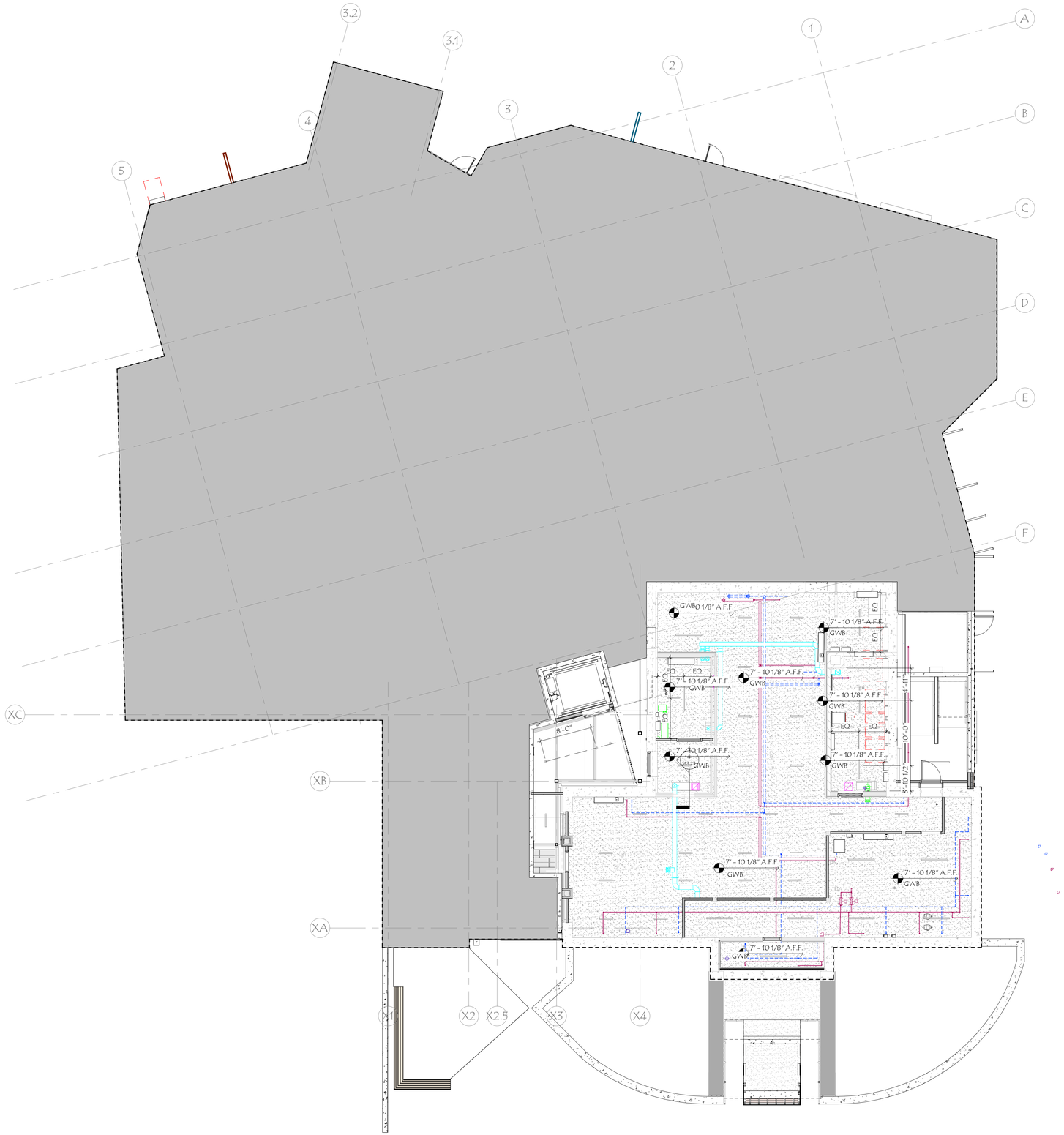
N

LEVEL 2 FINISH PLAN & SCHEDULE

PROJECT NO:	20230118
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	As indicated

A6.02

PRINTED: 1/24/2025 4:08:23 PM FILENAME: C:\Users\jbarnet\Documents\20230118_ILSLEY PUBLIC LIBRARY_R24_CD_JBARNETT222.rvt



2' X 4' SUSPENDED ACP TILE

2' X 2' SUSPENDED ACP TILE

GYPSUM BOARD CEILING

Name
Elevation
HEIGHT A.F.F. INDICATOR

SKYLIGHT

RECESSED LIGHT FIXTURE

SURFACE MOUNTED LIGHT FIXTURE

PENDANT LIGHT FIXTURE

SPRINKLER HEAD

RECESSED GRID LIGHT FIXTURE

SUPPLY AIR DIFFUSER

RETURN AIR GRILLE

NOTES:
1. REFER TO ENLARGED REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION.

2. ALL CEILING MOUNTED MECHANICAL, ELECTRICAL, AND FIRE PROTECTION ITEMS MAY NOT BE SHOWN, CONTRACTOR TO COORDINATE.

RCP KEY LEGEND
1/4" = 1'-0"

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANIA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. MAYO
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

N

BASEMENT & EXT'G BASEMENT LEVEL RCP

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMK
DRAWN BY:	Author
SCALE:	As indicated

A7.00

PRINTED: 1/24/2025 4:08:27 PM FILENAME: C:\Users\jbarnett\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_jbARRETT22.rvt



2' X 4' SUSPENDED ACP TILE	SKYLIGHT
2' X 2' SUSPENDED ACP TILE	RECESSED LIGHT FIXTURE
GYPSUM BOARD CEILING	SURFACE MOUNTED LIGHT FIXTURE
Name / Elevation — HEIGHT A.F.F. INDICATOR	PENDANT LIGHT FIXTURE
	SPRINKLER HEAD
	RECESSED GRID LIGHT FIXTURE
	SUPPLY AIR DIFFUSER
	RETURN AIR GRILLE

NOTES:
1. REFER TO ENLARGED REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION.

2. ALL CEILING MOUNTED MECHANICAL, ELECTRICAL, AND FIRE PROTECTION ITEMS MAY NOT BE SHOWN, CONTRACTOR TO COORDINATE.

RCP KEY LEGEND
1/4" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBIC LIBRARY
ATTN: DANJA HART, LIBRARY DIRECTOR
75 MAIN ST.
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE.
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST.
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. RAO
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

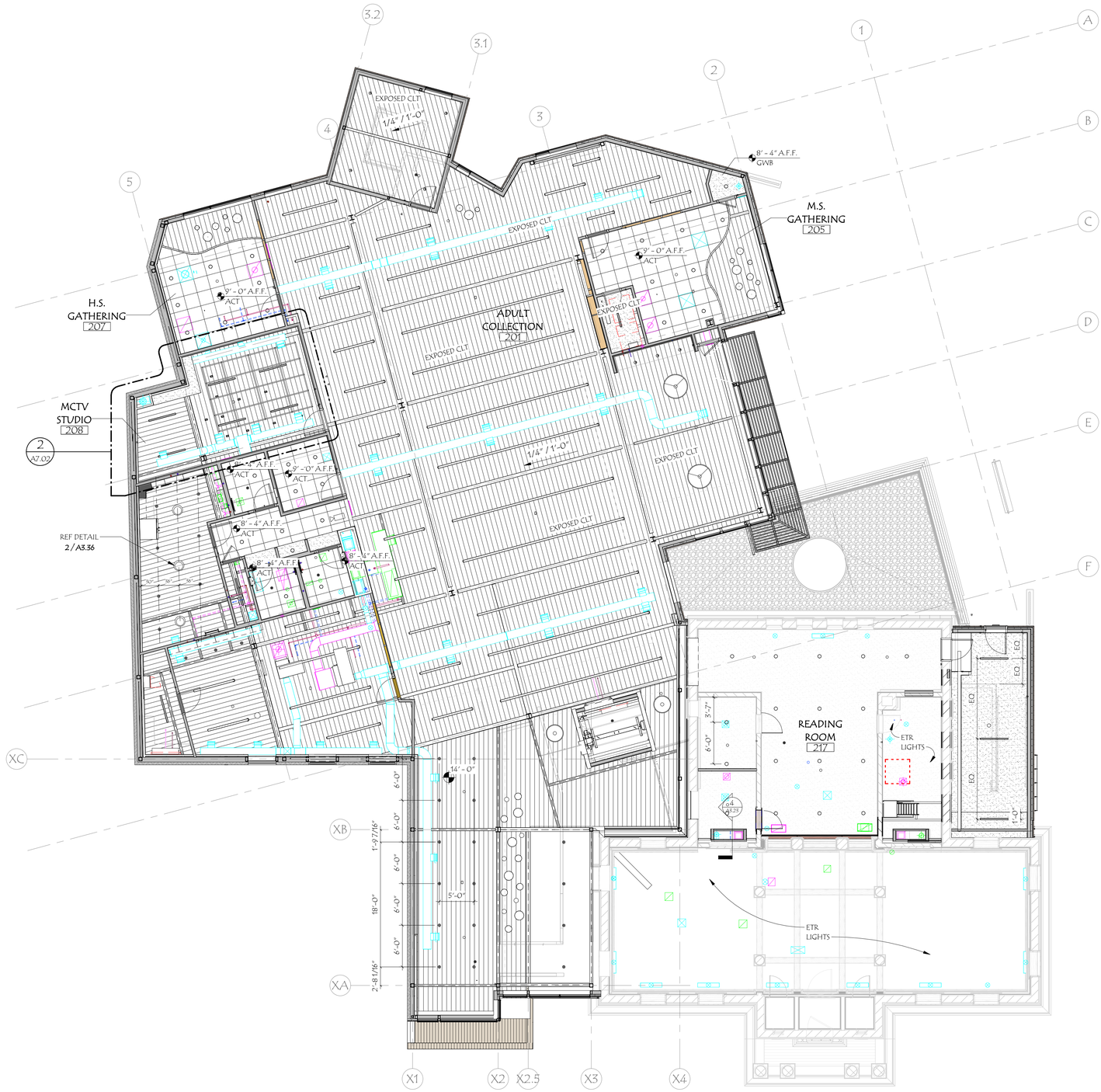
N

LEVEL 1 & EXT'G
LEVEL 1 - RCP

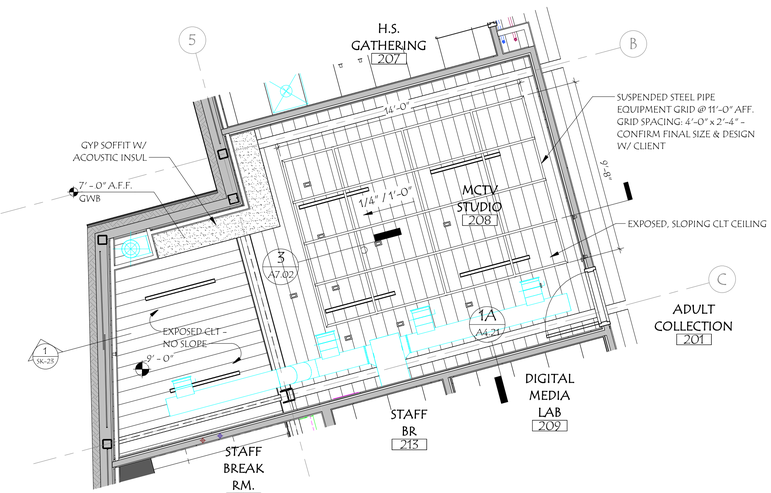
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	As indicated

A7.01

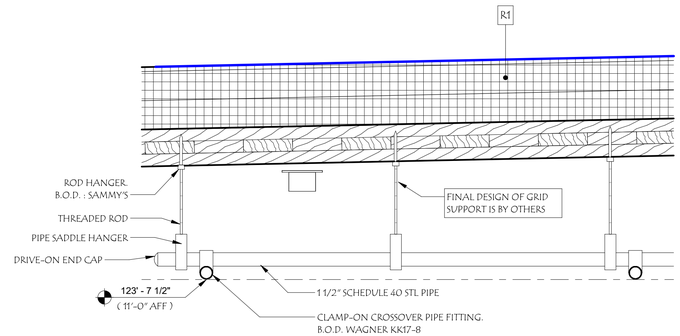
PRINTED: 1/24/2025 4:08:35 PM FILENAME: C:\Users\jbarnett\Documents\202301B_ILSLEY PUBLIC LIBRARY_R24_CD_BARRETT223.rvt



1 REFLECTED CEILING PLAN - LEVEL 2
A7.02 1/8" = 1'-0"



2 ENLARGED RCP @ MCTV
A7.02 1/4" = 1'-0"



3 PIPE GRID DETAIL
A7.02 1 1/2" = 1'-0"

2' X 4' SUSPENDED ACP TILE
2' X 2' SUSPENDED ACP TILE
GYPSUM BOARD CEILING
Name / Elevation — HEIGHT A.F.F. INDICATOR

SKYLIGHT
RECESSED LIGHT FIXTURE
SURFACE MOUNTED LIGHT FIXTURE
PENDANT LIGHT FIXTURE
SPRINKLER HEAD
RECESSED GRID LIGHT FIXTURE
SUPPLY AIR DIFFUSER
RETURN AIR GRILLE

NOTES:
1. REFER TO ENLARGED REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION.

2. ALL CEILING MOUNTED MECHANICAL, ELECTRICAL, AND FIRE PROTECTION ITEMS MAY NOT BE SHOWN. CONTRACTOR TO COORDINATE.

RCP KEY LEGEND
1/4" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBIC LIBRARY
ATTN: DANIA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

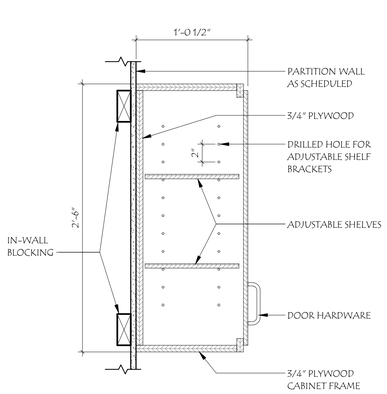
MIDDLEBURY, VERMONT

LEVEL 2 - RCP

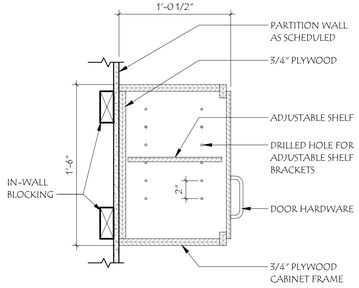
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	Author
SCALE:	As indicated

A7.02

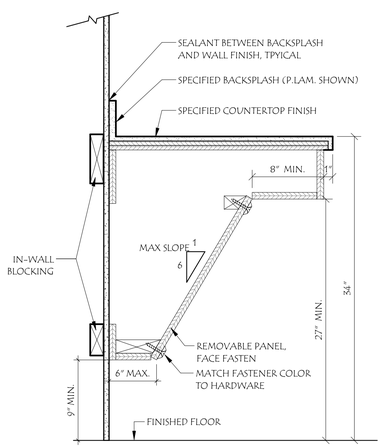
PRINTED: 1/24/2025 4:08:44 PM FILENAME: C:\Users\jkarnet\Documents\2023018_ILSLEY PUBLIC LIBRARY_R24_CD_jkarnetT222.rvt



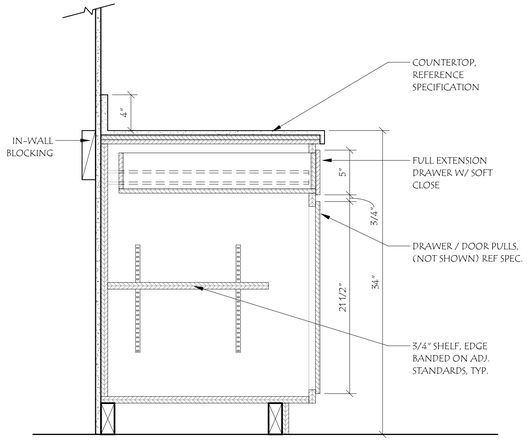
1 A8.01 WALL CABINET - TYP
1 1/2" = 1'-0"



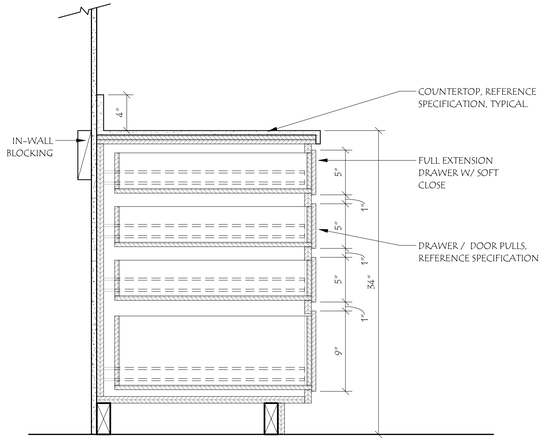
2 A8.01 WALL CABINET - MEDIUM
1 1/2" = 1'-0"



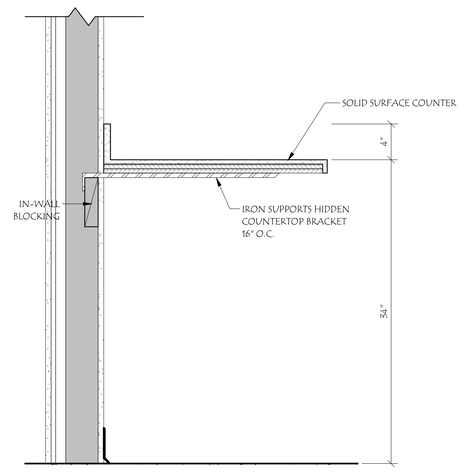
3 A8.01 TYPICAL ACCESSIBLE SINK BASE
1 1/2" = 1'-0"



4 A8.01 BASE CABINET SECTION DETAIL WITH DOOR
1 1/2" = 1'-0"



5 A8.01 BASE CABINET SECTION DETAIL WITH DRAWERS
1 1/2" = 1'-0"



8 A8.01 FLOATING COUNTER DETAIL
1 1/2" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

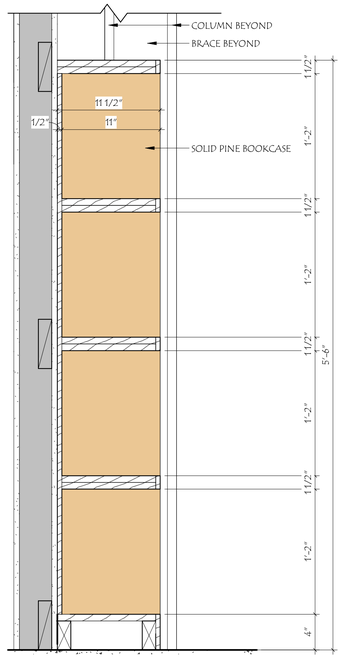
MIDDLEBURY, VERMONT

MILLWORK DETAILS

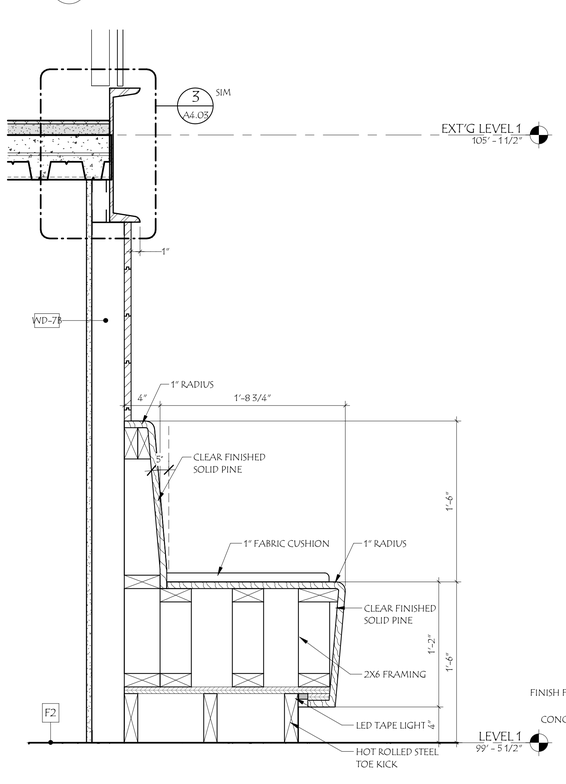
PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SMR
DRAWN BY:	WLA
SCALE:	1 1/2" = 1'-0"

A8.01

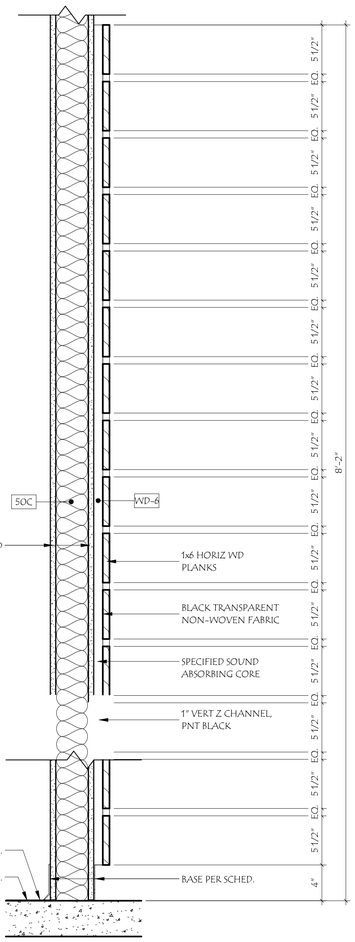
PRINTED: 1/24/2025 4:08:47 PM FILENAME: C:\Users\jbarnett\Documents\V2023018_ILSLEY PUBLIC LIBRARY_21A_CD_JBARNETT22.rvt



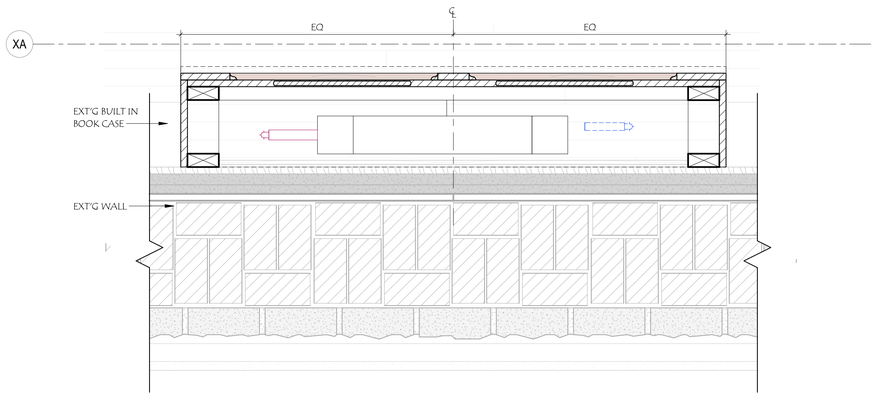
3 BOOKSHELF @ ADULT COLLECTIONS BRACE
A8.02 11/2" = 1'-0"



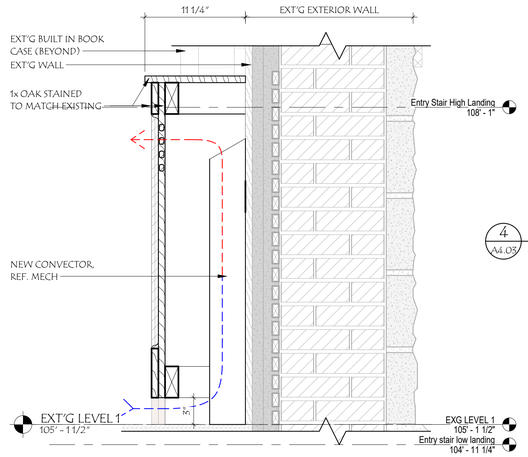
1 BENCH SECTION DETAIL
A8.02 11/2" = 1'-0"



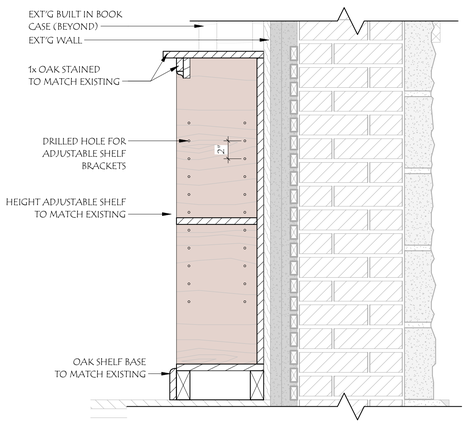
2 TYP. WD-6 WALL SECTION
A8.02 11/2" = 1'-0"



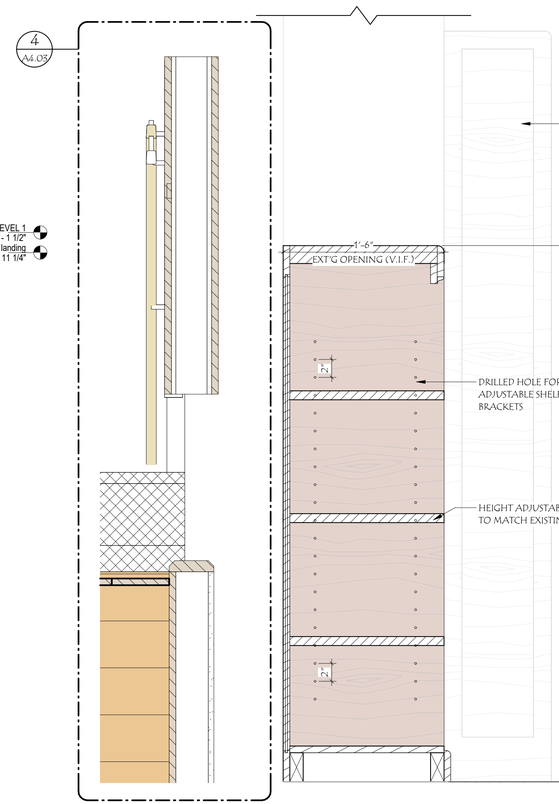
7 GREAT ROOM RADIATOR ENCLOSURE - ENLARGED PLAN
A8.02 11/2" = 1'-0"



6 GREAT ROOM RADIATOR ENCLOSURE
A8.02 11/2" = 1'-0"



4 NEW BOOKCASE @ WINDOW
A8.02 11/2" = 1'-0"



5 GREAT RM BOOK CASE @ EXT'G OPENING
A8.02 11/2" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

OWNER
TOWN OF MIDDLEBURY
ATTN: JUDITH HARRIS, CLERK OF WORKS
514 WEST RIVER ROAD
LINCOLN, VT 05443
JUDITH@HARRISANDHARRISVT.COM
802.922.1321

BUILDING OCCUPANT
ILSLEY PUBLIC LIBRARY
ATTN: DANA HART, LIBRARY DIRECTOR
75 MAIN ST,
MIDDLEBURY, VT 05753
802.388.4095

GENERAL CONTRACTING
REARCH COMPANY, INC.
ATTN: CHRIS HUSTON
88 TECHNOLOGY PK WY #2,
SOUTH BURLINGTON, VT 05403
802.863.8727

STRUCTURAL ENGINEER
ENGINEERING VENTURES
ATTN: JULIE REILLY
208 FLYNN AVE,
BURLINGTON, VT 05401
802.863.6225

MEP ENGINEER
ENGINEERING SERVICES OF VERMONT, LLC
ATTN: CLAUS BARTENSTEIN & DAN DUPRAS
9 WASHINGTON ST,
RUTLAND, VT 05701
802.855.8091

CIVIL ENGINEER
OTTER CREEK ENGINEERING
ATTN: BRENT RAKOWSKI
404 EAST MAIN STREET, PO BOX 712
EAST MIDDEBURY, VERMONT 05740
802.382.8522

LANDSCAPE DESIGN
S E GROUP
ATTN: PATRICK OLSTAD
1 MILL ST SUITE 190,
BURLINGTON, VT 05401
802.862.0098

FIRE PROTECTION DESIGN
G. TIM STONE CONSULTING
ATTN: TIM STONE
117 OLD STAGE RD.
ESSEX JCT., VT 05452
802.373.0638

LICENSED ARCHITECT
STEVEN M. ROY
NO. 3020
STATE OF VERMONT

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

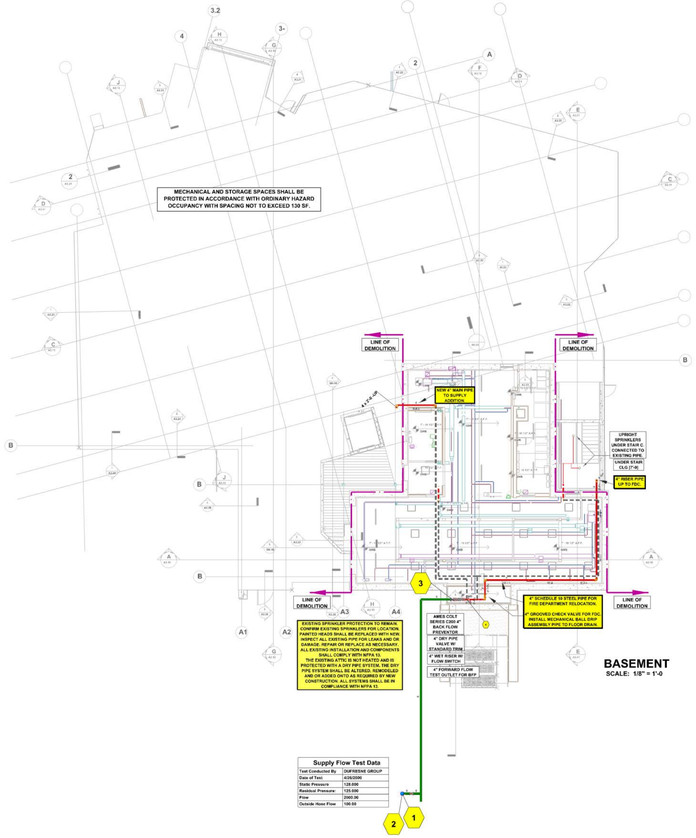
MIDDLEBURY, VERMONT

MILLWORK DETAILS

PROJECT NO:	2023018
DATE:	1.24.25
CHECKED BY:	SWR
DRAWN BY:	SR
SCALE:	1 1/2" = 1'-0"

A8.02

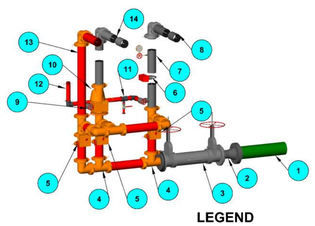
PRINTED: 1/24/2025 4:08:48 PM
FILENAME: C:\Users\jkonrad\Documents\20230118_ILSLEY PUBLIC LIBRARY_R24_CD_BARRETT222.rvt



BASEMENT
SCALE: 1/8" = 1'-0

Supply Flow Test Data	
Test Conducted By:	DUFRESNE GROUP
Date of Test:	4/26/2006
Static Pressure:	120 PSI
Residual Pressure:	115 PSI
Flow:	1000.00
Outside Hose Flow:	100.00

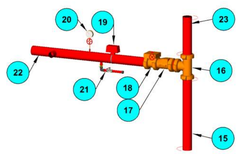
Sprinkler Legend										
Symbol	Manufacturer	S/N	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temperature
	Generic			164	5.6	Upright	½	Quick	Brass	200°F
	Generic			23	5.6	Pendant	½	Quick	White	155°F
	Generic			4	5.6	Horizontal Sidewall	½	Quick	Brass	200°F
	Generic			1	5.6	Horizontal Sidewall	½	Quick	Chrome	155°F
	Generic			1	5.6	Horizontal Sidewall	½	Quick	Brass	200°F
				Total = 213						



LEGEND

1. 6" EXISTING UNDERGROUND
2. 6" x 4" CONCENTRIC REDUCER
3. 4" AMES COLT SERIES C200 BACK FLOW PREVENTOR WITH TAMPERED VALVES
4. 4" GROOVED TEE
5. 4" GROOVED TAMPERED BUTTERFLY CONTROL VALVES
6. 4" ALARM FLOW SWITCH
7. 300 PSI WATER PRESSURE GAGE
8. EXISTING 4" WET SYSTEM MAIN
9. 2" MAIN DRAIN VALVE, TYP. BOTH RISERS
10. EXISTING 4" DRY PIPE VALVE WITH TRIM
11. 1" LOW POINT DRAIN PIPE TO FLOOR DRAIN
12. EXISTING 2" DRAIN PIPE, PIPED OUTDOORS
13. 4" SCHEDULE 10 FDC PIPING
14. EXISTING 4" DRY SYSTEM MAIN

SPRINKLER SYSTEM RISER DETAIL
SCALE: NONE



LEGEND

15. 4" SPRINKLER MAIN RISER
16. 4" GROOVED TEE
17. 4" GROOVED CHECK VALVE
18. 4" GROOVED TAMPERED BUTTERFLY VALVE
19. 4" ALARM FLOW SWITCH
20. 300 PSI WATER PRESSURE GAGE
21. 1" INSPECTORS TEST/ DRAIN VALVE ASSEMBLY
22. 4" SCHEDULE 10 SPRINKLER MAIN

FLOOR CONTROL VALVE ASSEMBLY TYPICAL FOR LEVEL 1 & 2
SCALE: NONE

GENERAL NOTES!

ISLEY PUBLIC LIBRARY IS A TWO STORY WITH BASEMENT BUILDING IN MIDDLEBURY, VT. AN ADDITION IS BEING BUILT ATTACHED TO THE EXISTING BUILDING. THE EXISTING BUILDING IS FULLY SPRINKLERED. THERE WILL BE SOME DEMOLITION AS TWO SMALL AREAS OF THE EXISTING BUILDING WILL BE TORN OFF TO MAKE ROOM FOR THE ADDITION.

THE EXISTING BUILDING WET SPRINKLER SYSTEM SHALL BE EXTENDED OUT TO PROTECT THE ADDITION. THERE IS A DRY PIPE SYSTEM PROTECTING THE ATTIC SPACES OVER THE EXISTING BUILDING. PART OF THE ROOF WILL BE REMOVED AND REBUILT DUE TO THE ADDITION. SOME SPRINKLER WORK SHALL REQUIRED IN EXISTING AND NEW ATTIC SPACES.

THE SPRINKLER SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH NFPA 13 FOR LIGHT AND ORDINARY HAZARD OCCUPANCIES.

ANY INTERSTITIAL SPACES OF COMBUSTIBLE CONSTRUCTION SHALL BE PROTECTED. IF SPACES ARE FOUND CONTRACTOR TO DISCUSS WITH ARCHITECT AND OR OWNER'S REPRESENTATIVE.

SPRINKLER CONTRACTOR SHALL OVER SEE A CURRENT HYDRANT FLOW TEST TO BE PERFORMED THE SPRING OF 2025. HYDRAULIC CALCULATIONS ON THESE DRAWING ARE BASED ON HYDRANT FLOW TEST FROM 2013.
HYDRANT FLOW TEST DATA USED IS FROM DUFRESNE GROUP CONSULTING ENGINEERS.

1. ALL MATERIALS & INSTALLATIONS OF THIS AUTOMATIC FIRE SPRINKLER SYSTEM TO CONFORM TO N.F.P.A. #13, 20 & 22, 2013 ED.
2. ALL SYSTEMS COMPONENTS SHALL BE LISTED AND OR APPROVED.
3. PROVIDE SPARE HEAD CABINET WITH A MINIMUM OF 3 OF EACH TYP. OF SPRINKLER HEAD USED.
4. LOW POINTS OF SYSTEM SHALL HAVE PROVISIONS FOR PROPER DRAINAGE.
5. ALL SPRINKLER SYSTEM PIPING TO BE HYDROSTATIC TESTED @ 200 PSI FOR 2 HOURS AS PER NFPA 13.
6. 24-HOUR SUPERVISION TO BE PROVIDED BY OTHERS.
7. ALL ELECTRICAL TO BE PROVIDED BY OTHERS.
8. HYDRAULIC CALCULATIONS HAVE BEEN PERFORMED TO DETERMINE PIPE SIZING.
9. MAIN SPRINKLER PIPING 2 1/2" AND LARGER TO BE ANSI / ASTM A-795 SCHEDULE 10 BLACK STEEL PIPING WITH GROOVED COUPLINGS & FITTINGS.
10. BRANCHLINE PIPING 2" & SMALLER TO BE ANSI / ASTM A-795 SCHEDULE 40 BLACK STEEL SPRINKLER PIPING WITH THREADED ENDS & CAST IRON FITTINGS. SCHEDULE 10 PIPING WITH GROOVED FITTINGS MAY BE USED.
11. ALL HANGERS TO BE LISTED FOR FIRE PROTECTION USE AND INSTALLED IN ACCORDANCE WITH NFPA #13.
12. OPERATION AND MAINTENANCE DATA: INCLUDE NFPA 25, COMPONENTS OF SYSTEM, SERVICING REQUIREMENTS, RECORD DRAWINGS, INSPECTION DATA, TO BE LEFT WITH THE OWNERS.
13. PER NFPA 13, 7.1.2: EACH WET SYSTEM SHALL BE PROVIDED WITH A LISTED RELIEF VALVE NOT LESS THAN 1/2" IN SIZE & SET TO OPERATE AT 175 PSI. THESE RELIEF VALVE SHALL BE INSTALLED DOWN STREAM OF FLOOR ZONE CONTROL CHECK VALVES.
14. PER NFPA 13, 7.1.5, A SINGLE AIR VENT WITH A CONNECTION CONFORMING TO 8.16.6 SHALL BE PROVIDED ON EACH WET PIPE SYSTEM UTILIZING METALLIC PIPE. PER NFPA 13, 8.16.6, THE VENT REQUIRED BY 7.1.5 SHALL BE LOCATED NEAR A HIGH POINT IN THE SYSTEM TO ALLOW AIR TO BE REMOVED FROM THE PORTION OF THE SYSTEM BY ONE OF THE FOLLOWING METHODS:
    (1) MANUAL VALVE, MINIMUM 1/2" IN SIZE.
    (2) AUTOMATIC AIR VENT
    (3) OTHER APPROVED MEANS

PROJECT STATUS
NOT FOR CONSTRUCTION

Wiemann Lamphere ARCHITECTS
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
802.622.6567
wiemannlamphere.com

C. Tim Stone Consulting, LLC
Fire Protection Sprinkler System Design and Consulting Services
NICET Certified Level III Engineering Technician # 415240
117 Old Stage Road Essex Jct., VT. 05477
C: (802) 373-0638

ISLEY PUBLIC LIBRARY
BUILDING 1 FIRE PROTECTION
MIDDLEBURY VERMONT

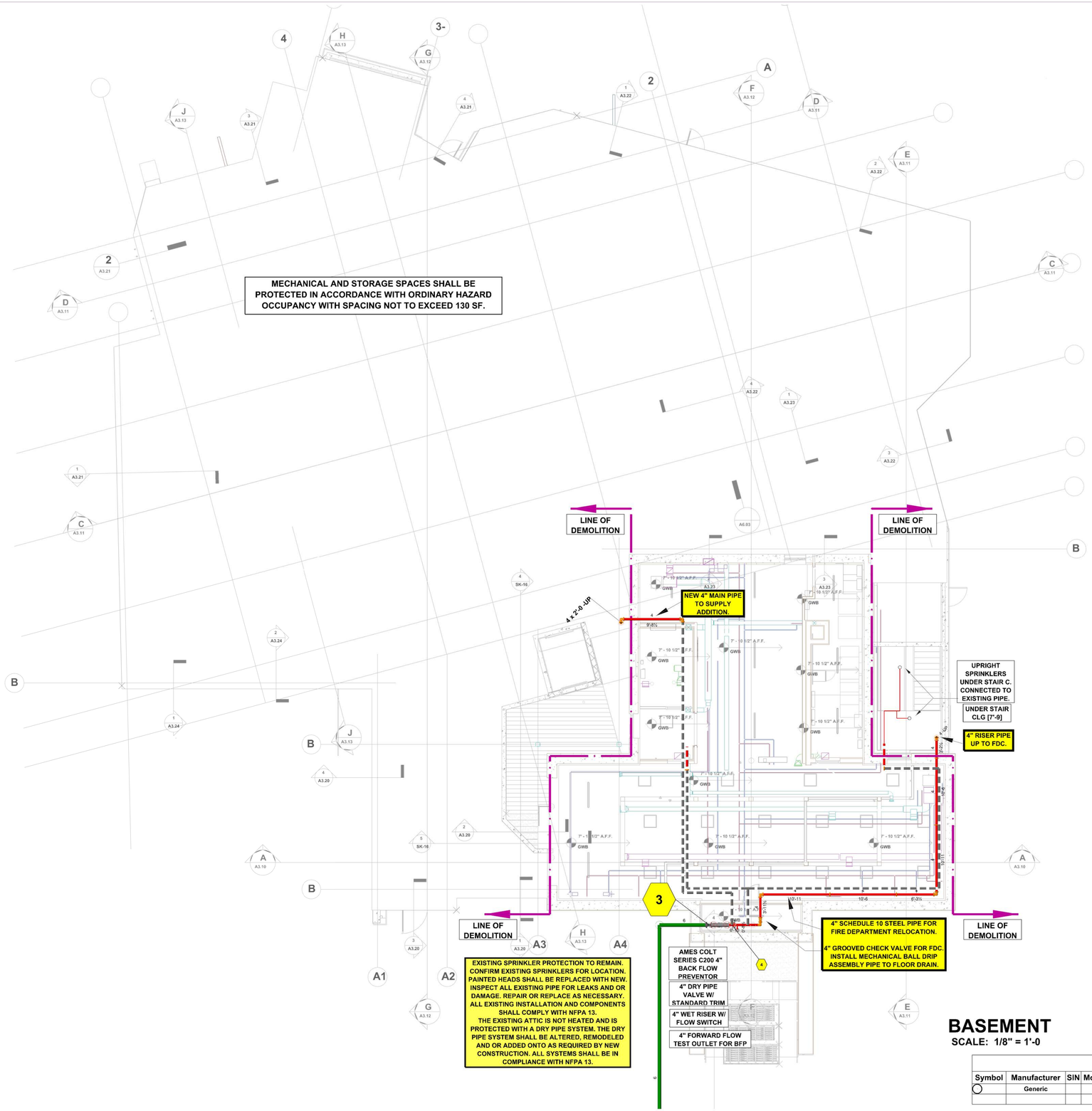
#	DATE	REVISION DESCRIPTION

PROGRESS PRINT DATE: 01/24/25
SCALE: As indicated
PROJECT NO:
DRAWN BY: GTS
CHECKED BY:

SHEET TITLE:
SITE PLAN & DETAILS FIRE PROTECTION
CD 100% SET

SHEET NUMBER:
FP-1

FILENAME:
PRINTED:



BASEMENT

SCALE: 1/8" = 1'-0

Sprinkler Legend											
Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temperature	Note
○	Generic			2	5.6	Upright	½	Quick	Brass	200°F	
				Total = 2							

Symbol	Manufacturer	SIN	Model	Qu
○	Generic			
◉	Generic			
▽	Generic			
▽	Generic			
▽	Generic			
				Tota

PROJECT STATUS
NOT FOR CONSTRUCTION

Wiemann Lamphere ARCHITECTS
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
802.622.6567
wiemannlamphere.com

G. Tim Stone Consulting, LLC
Fire Protection Sprinkler System Design and Consulting Services
NICET Certified Level III Engineering
117 Old Stage Road Essex Jct., VT. 05477
C: (802) 373-0638

ISLEY PUBLIC LIBRARY
BUILDING 1 FIRE PROTECTION
MIDDLEBURY VERMONT

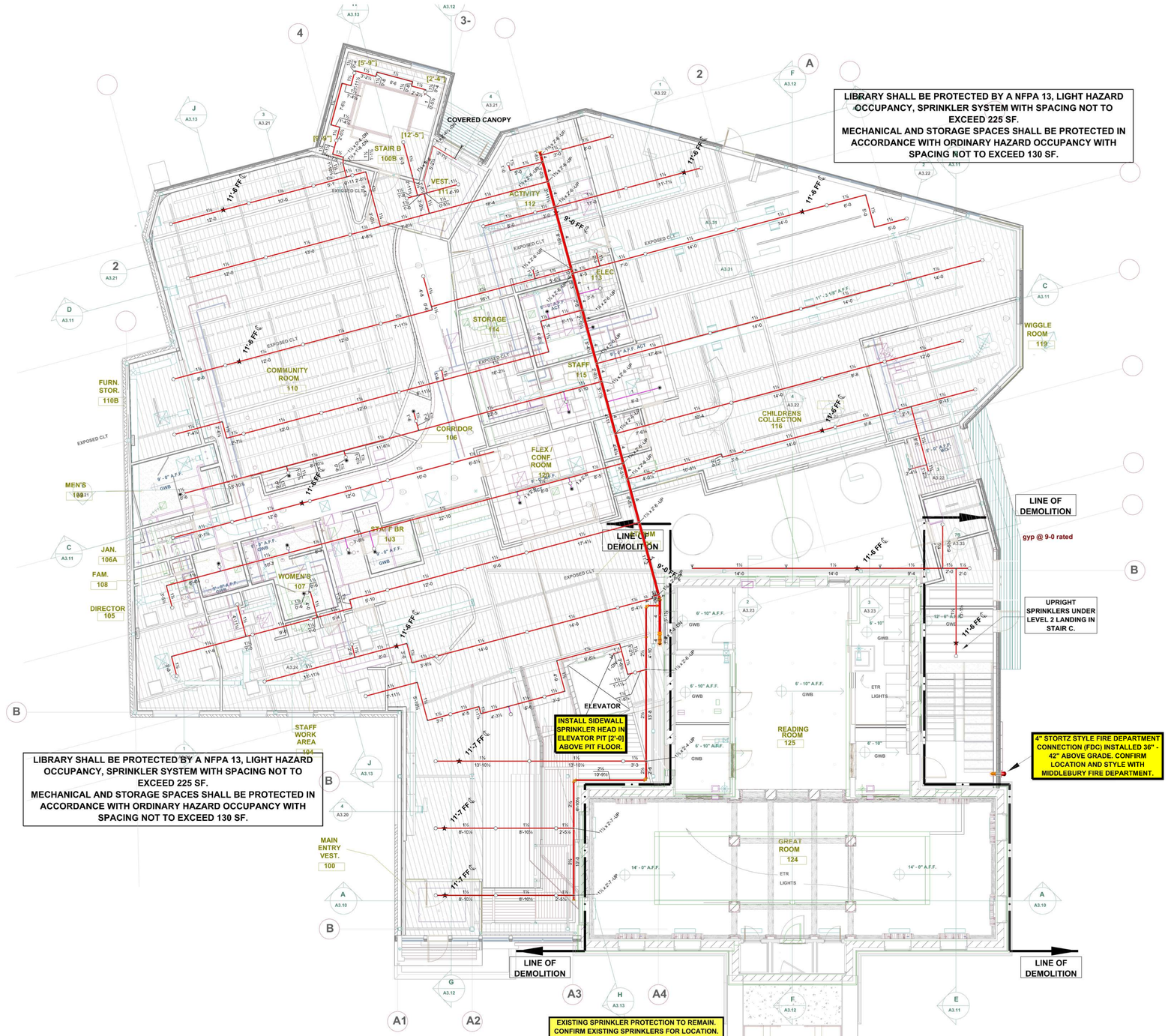
#	DATE	REVISION DESCRIPTION

PROGRESS PRINT DATE: 01/24/25
SCALE: As indicated
PROJECT NO:
DRAWN BY: GTS
CHECKED BY:

SHEET TITLE:
BASEMENT FIRE PROTECTION CD 100% SET

SHEET NUMBER:
FP-2

FILENAME:
PRINTED:



LEVEL 1
SCALE: 1/8" = 1'-0

Sprinkler Legend

Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temperature	Note
○	Generic			100	5.6	Upright	½	Quick	Brass	200°F	
◉	Generic			15	5.6	Pendent	½	Quick	White	155°F	
⋋	Generic			4	5.6	Horizontal Sidewall	½	Quick	Brass	200°F	
⋋	Generic			1	5.6	Horizontal Sidewall	½	Quick	Chrome	155°F	DRY HORIZONTAL SIDEWALL
⋋	Generic			1	5.6	Horizontal Sidewall	½	Quick	Brass	200°F	ELEVATOR PIT
				Total = 121							

PROJECT STATUS
NOT FOR CONSTRUCTION

Wiemann Lamphere ARCHITECTS
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
802.622.6567
wiemannlamphere.com

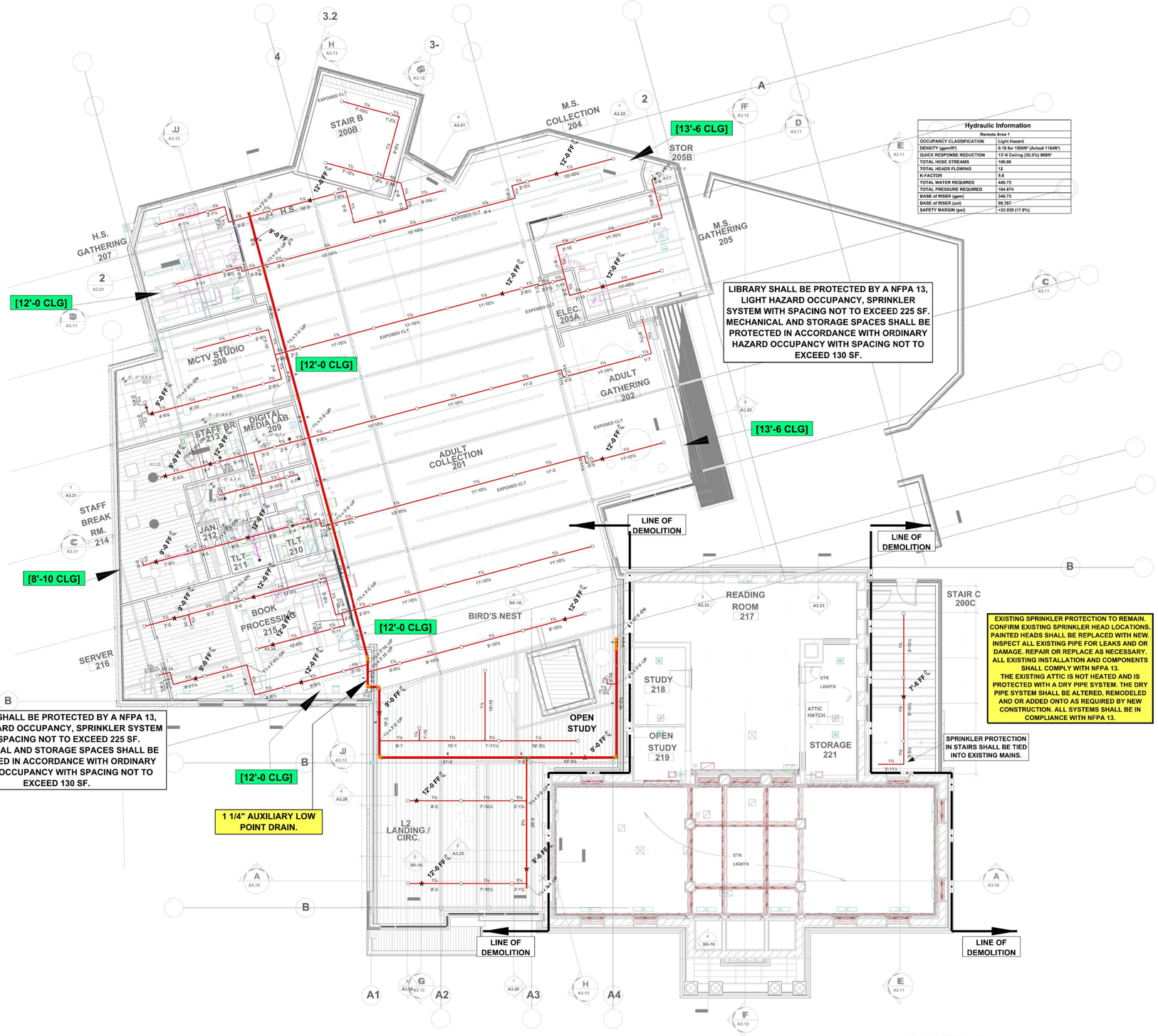
C. Tim Stone Consulting, LLC
Fire Protection Sprinkler System Design and Consulting Services
NICET Certified Level III Engineering Technician # 415240
117 Old Stage Road Essex Jct., VT. 05477
C: (802) 373-0638

ISLEY PUBLIC LIBRARY
BUILDING 1 FIRE PROTECTION
MIDDLEBURY VERMONT

#	DATE	REVISION DESCRIPTION

PROGRESS PRINT DATE: 01/24/25
SCALE: As Indicated
PROJECT NO:
DRAWN BY: GTS
CHECKED BY:
SHEET TITLE: LEVEL 1 FIRE PROTECTION
CD 100% SET
SHEET NUMBER: FP-3

FILENAME:
PRINTED:



Hydraulic Information	
Remote Area 1	
OCCUPANCY CLASSIFICATION	Light Hazard
DENSITY (gpm/ft²)	0.10 for 1500ft² (Actual 1184ft²)
QUICK RESPONSE REDUCTION	13'-0 Ceiling (35.5%) 968ft²
TOTAL HOSE STREAMS	100.00
TOTAL HEADS FLOWING	12
K-FACTOR	5.6
TOTAL WATER REQUIRED	446.73
TOTAL PRESSURE REQUIRED	104.874
BASE of RISER (gpm)	346.73
BASE of RISER (psi)	99.767
SAFETY MARGIN (psi)	+22.939 (17.9%)

LEVEL 2
SCALE: 1/8" = 1'-0

Sprinkler Legend										
Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temperature	Note
○	Generic			82	5.6	Upright	½	Quick	Brass	200°F	
◉	Generic			8	5.6	Pendent	½	Quick	White	155°F	
				Total = 90							

PROJECT STATUS
NOT FOR CONSTRUCTION

Wiemann Lamphere ARCHITECTS
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
802.622.6567
wiemannlamphere.com

C. Tim Stone Consulting, LLC
Fire Protection Sprinkler System Design and Consulting Services
NICET Certified Level III Engineering Technician # 415240
117 Old Stage Road Essex Jct., VT. 05477
C: (802) 373-0638

ISLEY PUBLIC LIBRARY
BUILDING 1 FIRE PROTECTION
MIDDLEBURY VERMONT

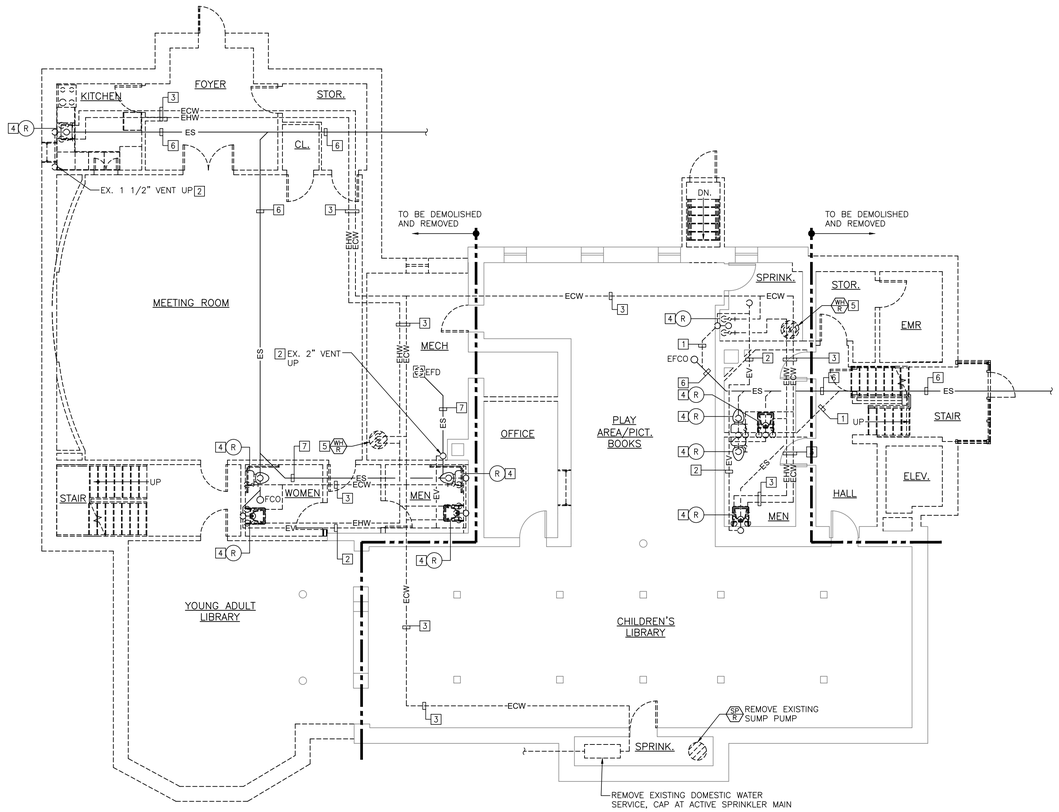
#	DATE	REVISION DESCRIPTION

PROGRESS PRINT DATE: 01/24/25
SCALE: As indicated
PROJECT NO:
DRAWN BY: GTS
CHECKED BY:

SHEET TITLE:
LEVEL 2 FIRE PROTECTION
CD 100% SET

SHEET NUMBER:
FP-4

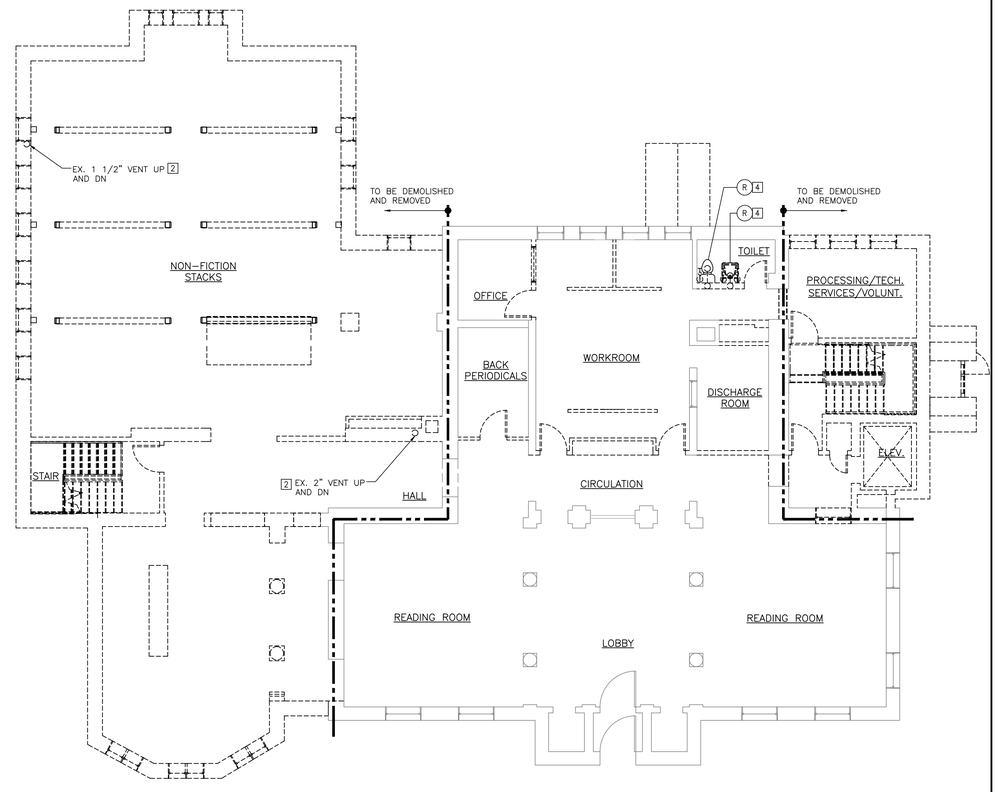
FILENAME:
PRINTED:



PROJECT NORTH

PLUMBING BASEMENT DEMOLITION PLAN

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



PROJECT NORTH

PLUMBING LEVEL 1 DEMOLITION PLAN

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

GENERAL NOTES: (APPLY TO ALL DRAWINGS)

1) THE EXISTING CONDITIONS SHOWN ON THESE DRAWINGS ARE DIAGRAMMATIC AND ARE BASED ON DRAWINGS DATED SEPTEMBER 4, 1987 AS WELL AS SITE OBSERVATIONS AND ARE INTENDED TO SHOW THE GENERAL SCOPE OF DEMOLITION WORK REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE OVERALL SCOPE OF DEMOLITION WORK REQUIRED.
2) ALL ITEMS SCHEDULED FOR DEMOLITION SHALL BE REMOVED COMPLETELY. PIPING WHICH IS CONCEALED IN CONSTRUCTION MAY BE ABANDONED IN PLACE AS APPROVED BY THE PROJECT ARCHITECT AND ENGINEER.

DEMOLITION NOTES: (APPLY TO THIS DRAWING ONLY)

1 REMOVE EXISTING SANITARY WASTE PIPING AND CAP AT ACTIVE MAIN, EXACT LOCATION TO BE FIELD VERIFIED.

1 REMOVE EXISTING SANITARY VENT PIPING, EXACT LOCATION TO BE FIELD VERIFIED.

3 REMOVE EXISTING DOMESTIC WATER PIPING, EXACT LOCATION TO BE FIELD VERIFIED.

4 REMOVE EXISTING PLUMBING FIXTURE INCLUDING ALL ASSOCIATED PIPING AND ACCESSORIES, EXACT LOCATION TO BE FIELD VERIFIED.

5 REMOVE EXISTING DOMESTIC WATER HEATER INCLUDING ALL ASSOCIATED PIPING, CONTROLS AND ACCESSORIES. EXACT LOCATION TO BE FIELD VERIFIED.

6 EXISTING SANITARY WASTE PIPING TO BE CAPPED AND ABANDONED, EXACT LOCATION TO BE FIELD VERIFIED.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services of Vermont, LLC
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT — DANIEL W. DUPRAS — NO. 7205 REGISTERED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

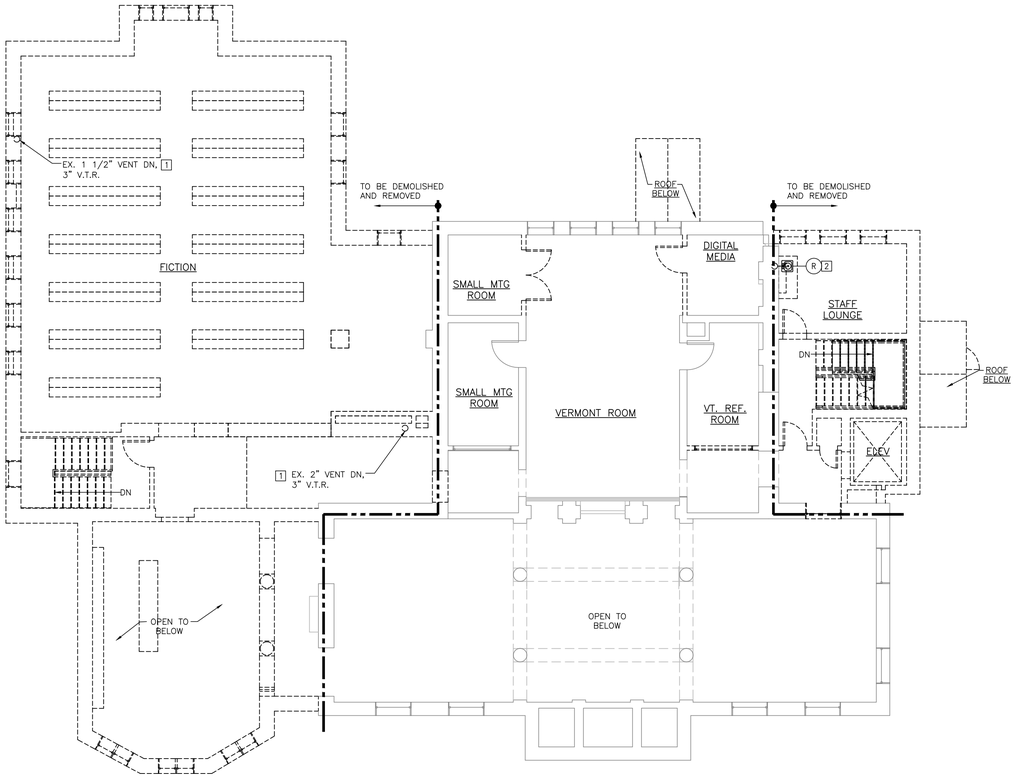
MIDDLEBURY, VERMONT

N

PLUMBING DEMOLITION PLANS

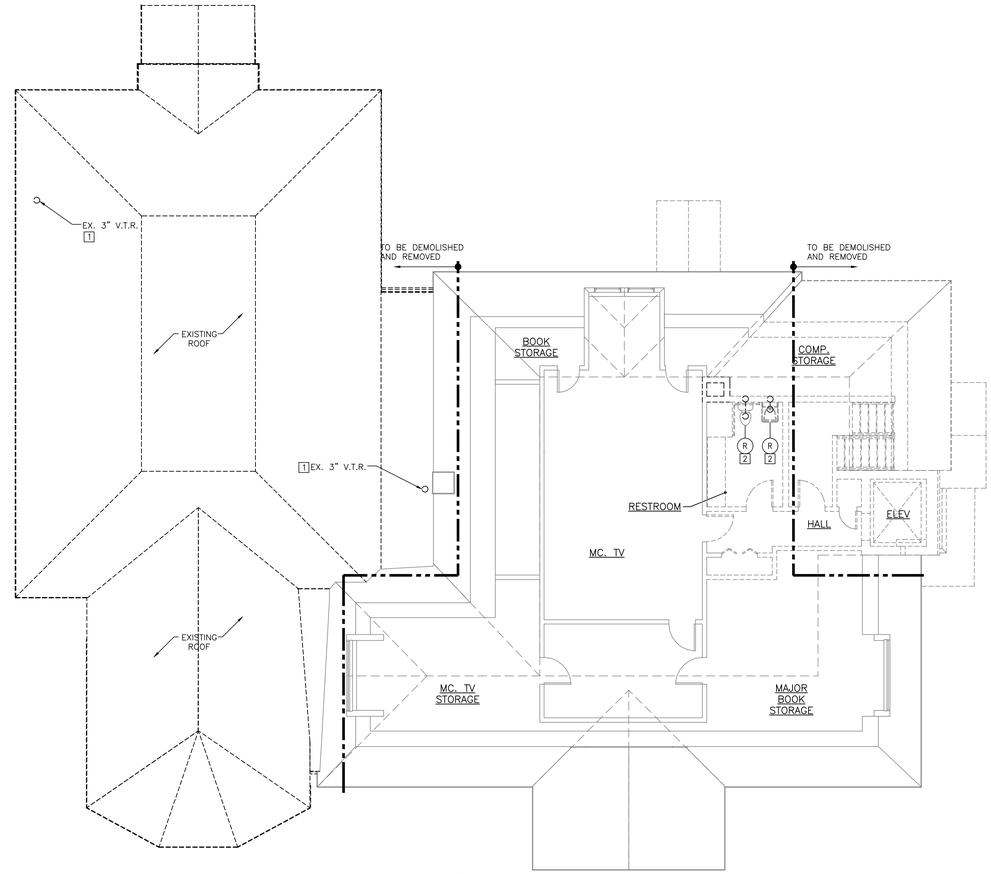
PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	NDD
SCALE:	As indicated

P1



PLUMBING LEVEL 2 DEMOLITION PLAN

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



PLUMBING ATTIC DEMOLITION PLAN

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

DEMOLITION NOTES: (APPLY TO THIS DRAWING ONLY)

1 REMOVE EXISTING SANITARY VENT PIPING, EXACT LOCATION TO BE FIELD VERIFIED.

2 REMOVE EXISTING PLUMBING FIXTURE INCLUDING ALL ASSOCIATED PIPING AND ACCESSORIES, EXACT LOCATION TO BE FIELD VERIFIED.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

Engineering Services of Vermont, LLC
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT DANIEL W. DWIGGINS NO. 7935 MECHANICAL LICENSED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

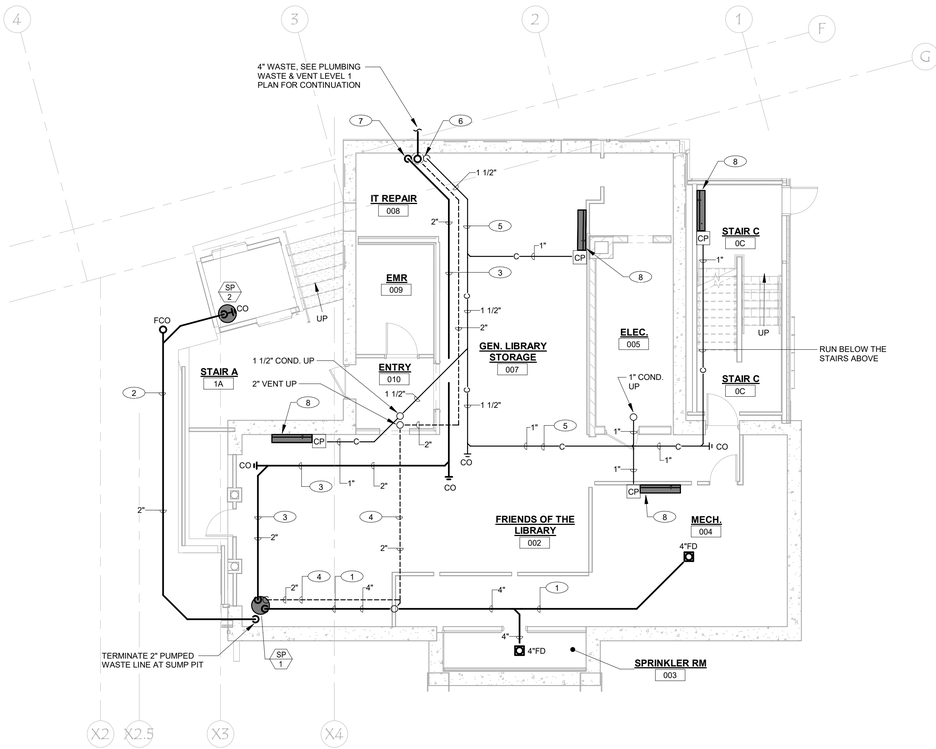
ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

PLUMBING DEMOLITION PLANS

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	NDD
SCALE:	As indicated

P2



PLUMBING WASTE & VENT BASEMENT PLAN

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

DRAWING NOTES:

THESE DRAWING NOTES APPLY TO THIS DRAWING, ONLY.

1. RUN SANITARY WASTE PIPING BELOW SLAB, PITCH 1/4" PER LINEAR FOOT MINIMUM IN DIRECTION OF FLOW. COORDINATE ROUTING WITH ALL OTHER TRADES.
2. RUN PUMPED WASTE PIPING BELOW SLAB, PITCH 1/4" PER LINEAR FOOT MINIMUM IN DIRECTION OF FLOW. COORDINATE ROUTING WITH ALL OTHER TRADES.
3. RUN PUMPED WASTE PIPING AS HIGH AS POSSIBLE EXPOSED, PITCH 1/8" PER LINEAR FOOT MINIMUM IN DIRECTION OF FLOW. COORDINATE ROUTING WITH ALL OTHER TRADES.
4. RUN SANITARY VENT PIPING AS HIGH AS POSSIBLE EXPOSED, COORDINATE ROUTING WITH ALL OTHER TRADES.
5. RUN CONDENSATE DRAINAGE PIPING AS HIGH AS POSSIBLE EXPOSED, PITCH 1/8" PER LINEAR FOOT MINIMUM IN DIRECTION OF FLOW. COORDINATE ROUTING WITH ALL OTHER TRADES.
6. TERMINATE CONDENSATE PIPING AT 4" FUNNEL DRAIN MOUNTED HIGH ON WALL, PROVIDE 3" AIR GAP. SEE DETAIL.
7. TERMINATE PUMPED WASTE LINE AT 4" FUNNEL DRAIN MOUNTED HIGH ON WALL, PROVIDE 3" AIR GAP. SEE DETAIL.
8. HEAT PUMP UNIT WITH CONDENSATE PUMP PROVIDED BY MECHANICAL CONTRACTOR, PROVIDE 1" CONDENSATE DRAIN CONNECTION.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services of Vermont,
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
Phone: 802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT
DANIEL W. DUCOLA
NO. 7935
MECHANICAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

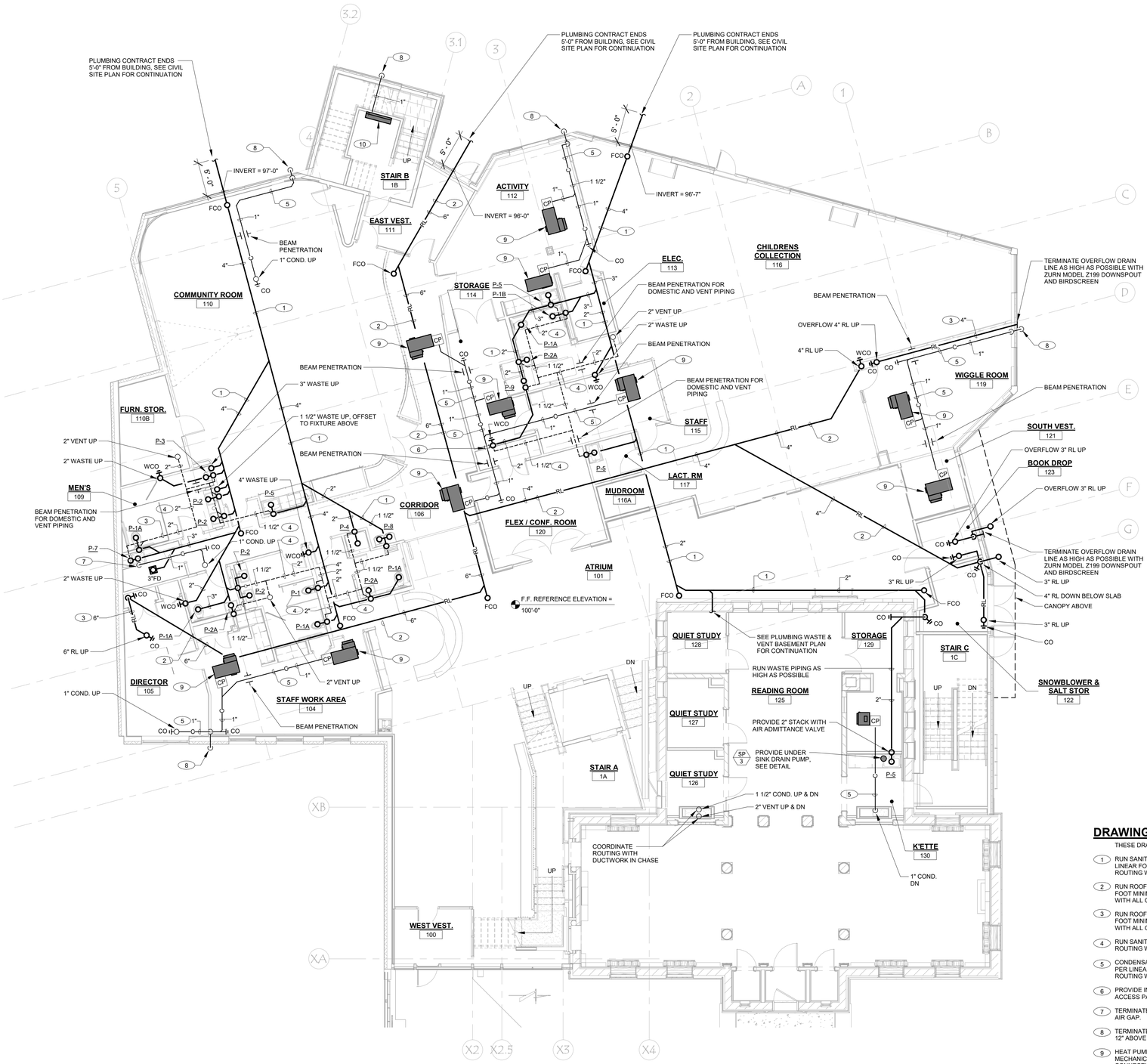
MIDDLEBURY, VERMONT

PLUMBING WASTE & VENT BASEMENT PLAN

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	NDD
SCALE:	As indicated

P3

PRINTED: 1/21/2025 4:00:04 PM FILENAME: C:\Autodesk Docs\23033 Ilsley Library\23033 PLUMB Model R24.rvt



PLUMBING WASTE & VENT LEVEL 1 PLAN

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

DRAWING NOTES:

THESE DRAWING NOTES APPLY TO THIS DRAWING, ONLY.

1. RUN SANITARY WASTE PIPING BELOW SLAB, PITCH 1/4" PER LINEAR FOOT MINIMUM IN DIRECTION OF FLOW. COORDINATE ROUTING WITH ALL OTHER TRADES.
2. RUN ROOF LEADER PIPING BELOW SLAB, PITCH 1/4" PER LINEAR FOOT MINIMUM IN DIRECTION OF FLOW. COORDINATE ROUTING WITH ALL OTHER TRADES.
3. RUN ROOF LEADER PIPING ABOVE CEILING, PITCH 1/4" PER LINEAR FOOT MINIMUM IN DIRECTION OF FLOW. COORDINATE ROUTING WITH ALL OTHER TRADES.
4. RUN SANITARY VENT PIPING ABOVE CEILING, COORDINATE ROUTING WITH ALL OTHER TRADES.
5. CONDENSATE DRAINAGE PIPING RUN ABOVE CEILING, PITCH 1/8" PER LINEAR FOOT MINIMUM IN DIRECTION OF FLOW. COORDINATE ROUTING WITH ALL OTHER TRADES.
6. PROVIDE INDIRECT CONDENSATE TERMINATION IN WALL WITH ACCESS PANEL, SEE DETAIL.
7. TERMINATE CONDENSATE PIPING AT SERVICE SINK, PROVIDE 3" AIR GAP.
8. TERMINATE 1 1/2" CONDENSATE PIPING AT EXTERIOR OF BUILDING 12" ABOVE GRADE PROVIDE DRIP ELBOW, SEE DETAIL.
9. HEAT PUMP UNIT WITH CONDENSATE PUMP PROVIDED BY MECHANICAL CONTRACTOR, PROVIDE 1" CONDENSATE DRAIN CONNECTION.
10. HEAT PUMP UNIT PROVIDED BY MECHANICAL CONTRACTOR, PROVIDE 1" CONDENSATE DRAIN CONNECTION.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

Engineering Services of Vermont,
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
Phone: 802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT
DANIEL W. DISPIRITO
NO. 7355
MECHANICAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

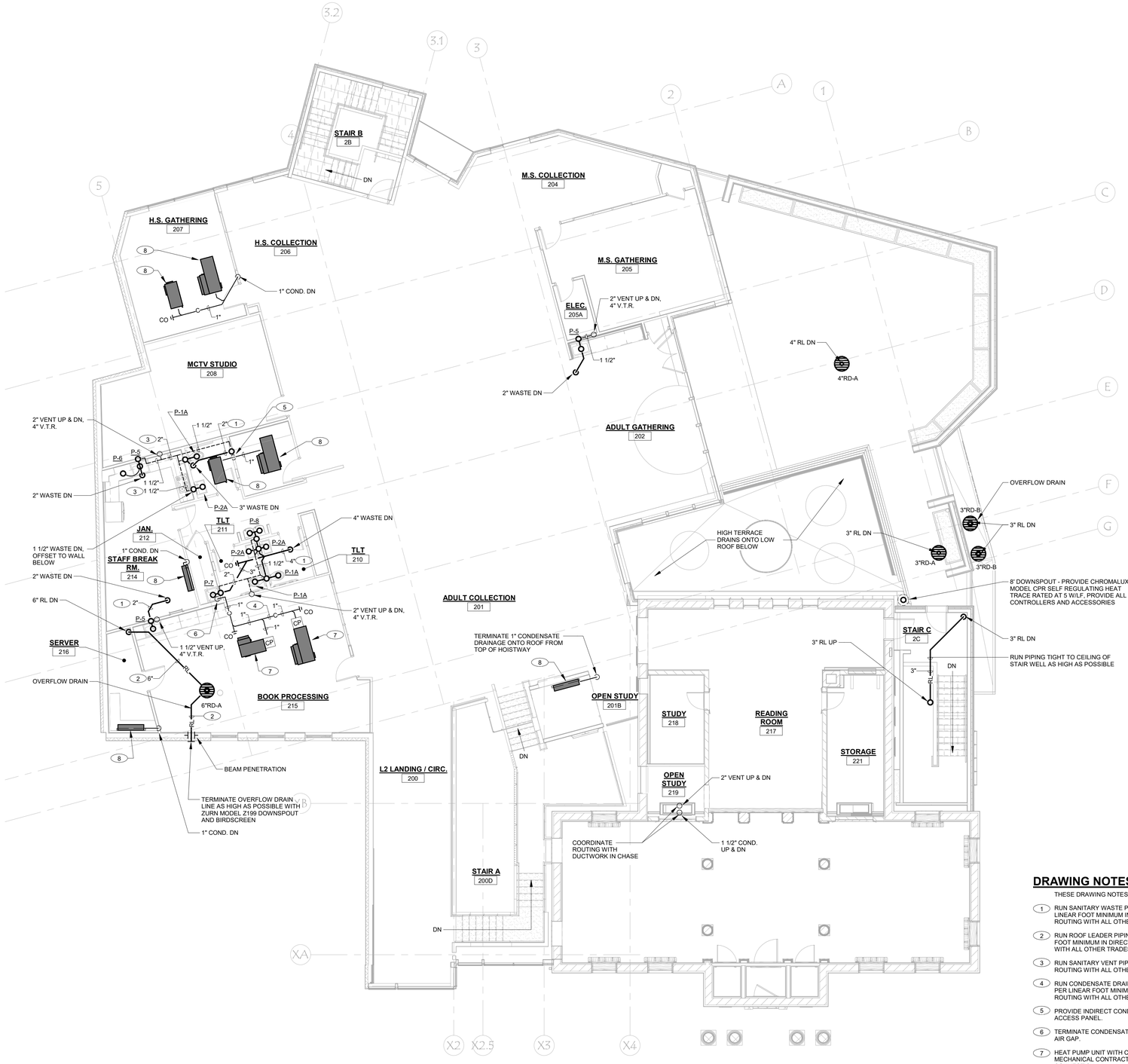
MIDDLEBURY, VERMONT

PLUMBING WASTE & VENT LEVEL 1 PLAN

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	NDD
SCALE:	As indicated

P4

PRINTED: 1/21/2025 4:00:08 PM
FILENAME: Autodesk Docs://23033 Ilsley Library/23033 PLUMB Model R24.rvt



PLUMBING WASTE & VENT LEVEL 2 PLAN

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

DRAWING NOTES:

THESE DRAWING NOTES APPLY TO THIS DRAWING, ONLY.

1. RUN SANITARY WASTE PIPING BELOW FLOOR, PITCH 1/4" PER LINEAR FOOT MINIMUM IN DIRECTION OF FLOW. COORDINATE ROUTING WITH ALL OTHER TRADES.
2. RUN ROOF LEADER PIPING ABOVE CEILING, PITCH 1/4" PER LINEAR FOOT MINIMUM IN DIRECTION OF FLOW. COORDINATE ROUTING WITH ALL OTHER TRADES.
3. RUN SANITARY VENT PIPING ABOVE CEILING, COORDINATE ROUTING WITH ALL OTHER TRADES.
4. RUN CONDENSATE DRAINAGE PIPING ABOVE CEILING, PITCH 1/8" PER LINEAR FOOT MINIMUM IN DIRECTION OF FLOW. COORDINATE ROUTING WITH ALL OTHER TRADES.
5. PROVIDE INDIRECT CONDENSATE TERMINATION IN WALL WITH ACCESS PANEL.
6. TERMINATE CONDENSATE PIPING AT SERVICE SINK, PROVIDE 3" AIR GAP.
7. HEAT PUMP UNIT WITH CONDENSATE PUMP PROVIDED BY MECHANICAL CONTRACTOR, PROVIDE 1" CONDENSATE DRAIN CONNECTION.
8. HEAT PUMP UNIT PROVIDED BY MECHANICAL CONTRACTOR, PROVIDE 1" CONDENSATE DRAIN CONNECTION.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services of Vermont,
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
Phone: 802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT
DANIEL W. DUPUIS
NO. 7936
MECHANICAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

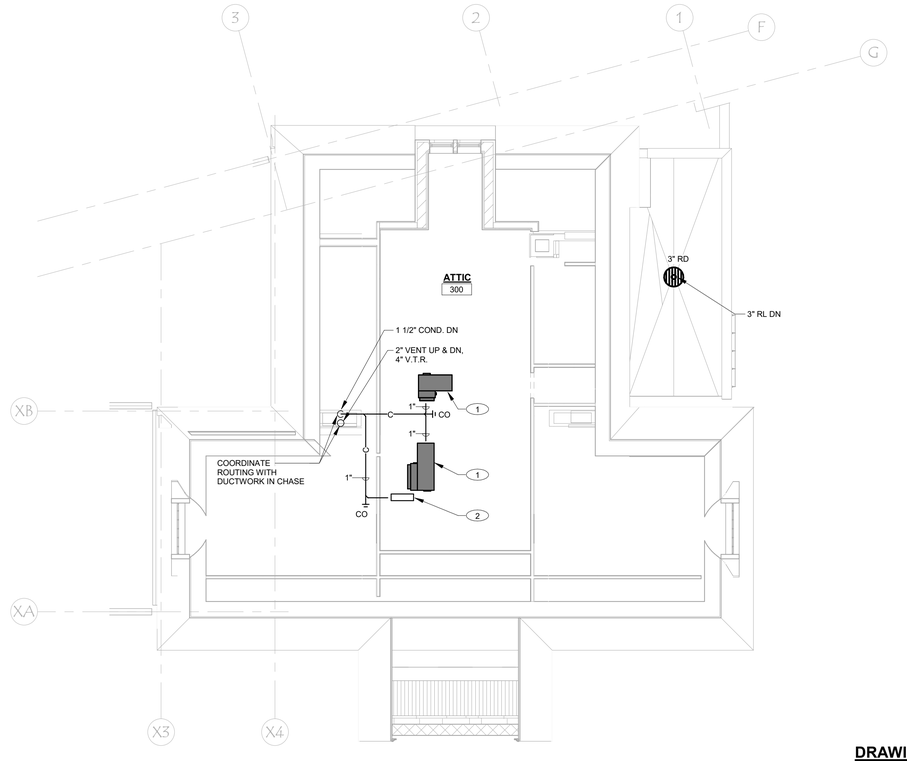
MIDDLEBURY, VERMONT

PLUMBING WASTE & VENT LEVEL 2 PLAN

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	NDD
SCALE:	As indicated

P5

PRINTED: 1/21/2025 4:09:11 PM FILENAME: Autodesk Docs:23033 Ilsley Library/23033 PLUMB Model R24.rvt



PLUMBING WASTE & VENT ATTIC PLAN

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

DRAWING NOTES:

THESE DRAWING NOTES APPLY TO THIS DRAWING, ONLY.

1. HEAT PUMP UNIT PROVIDED BY MECHANICAL CONTRACTOR, PROVIDE 1" CONDENSATE DRAIN CONNECTION.
2. DUCT MOUNTED COOLING COIL PROVIDED BY MECHANICAL CONTRACTOR, PROVIDE 1" CONDENSATE DRAIN CONNECTION.

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services
of Vermont,
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
Phone: 802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT
DANIEL W. DUCOTE
NO. 7935
MECHANICAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

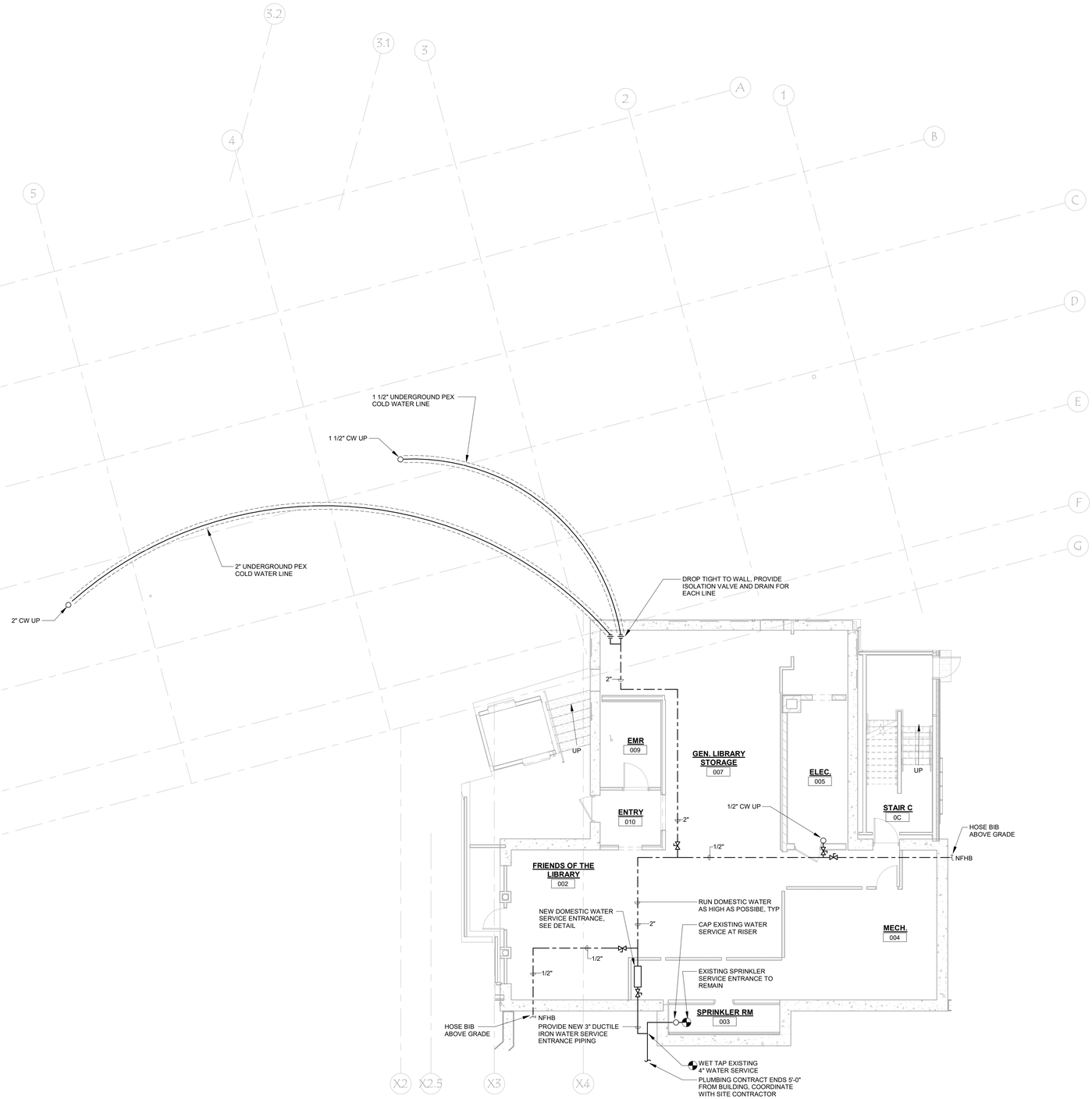
N

PLUMBING WASTE & VENT ATTIC PLAN

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	NDD
SCALE:	As indicated

P6

PRINTED: 1/21/2025 4:00:11 PM
FILENAME: Autodesk Docs://23033 Ilsley Library/23033 PLUMB Model R24.rvt



PLUMBING DOMESTIC WATER BASEMENT PLAN
Scale: 1/8" = 1'-0"

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services
of Vermont,
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
Phone: 802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT
DANIEL W. DUSOSKY
NO. 7335
MECHANICAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

PLUMBING DOMESTIC WATER BASEMENT PLAN

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	NDD
SCALE:	1/8" = 1'-0"

P7

PRINTED: 12/12/2025 4:00:12 PM
FILENAME: Autodesk Docs://23033 Ilsley Library/23033 PLUMB Model R24.rvt



PLUMBING DOMESTIC WATER LEVEL 1 PLAN

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

DRAWING NOTES:

THESE DRAWING NOTES APPLY TO THIS DRAWING, ONLY.

1. PROVIDE 1/2" COLD WATER AND 1/2" HOT WATER UP.
2. PROVIDE 1/2" COLD WATER UP.
3. PROVIDE 1" COLD WATER UP.
4. PROVIDE DOMESTIC HOT WATER PEX HEADER MOUNTED ON WALL. RUN A 1/2" INSULATED PEX HOT WATER LINES FOR EACH FIXTURE ON LEVEL 1 AND LEVEL 2 FROM HEADER. PROVIDE INDIVIDUAL ISOLATION VALVES AT HEADER.
5. RUN 1/2" INSUALTED PEX HOT WATER LINE TO HOT WATER PEX HEADER.

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services of Vermont,
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
Phone: 802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT
DANIEL W. DUSSAULT
NO. 7235
MECHANICAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

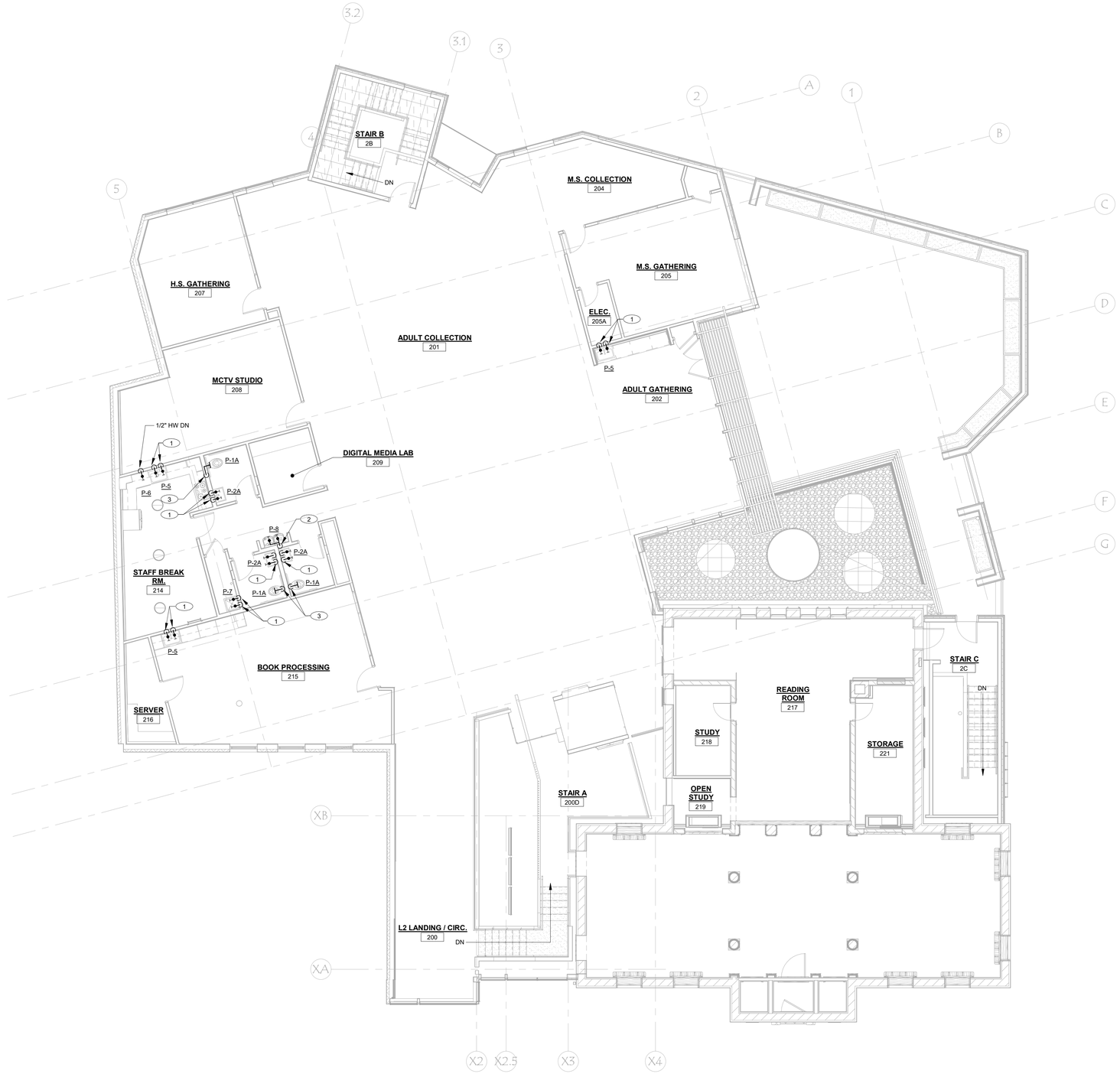
MIDDLEBURY, VERMONT

PLUMBING DOMESTIC WATER LEVEL 1 PLAN

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	NDD
SCALE:	As indicated

P8

PRINTED: 1/21/2025 4:00:16 PM FILENAME: Autodesk Docs://23033 Ilsley Library/23033 PLUMB Model R24.rvt



PLUMBING DOMESTIC WATER LEVEL 2 PLAN

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

DRAWING NOTES:

THESE DRAWING NOTES APPLY TO THIS DRAWING, ONLY.

1. PROVIDE 1/2" COLD WATER AND 1/2" HOT WATER DOWN.
2. PROVIDE 1/2" COLD WATER DOWN.
3. PROVIDE 1" COLD WATER DOWN.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services of Vermont,
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
Phone: 802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT
DANIEL W. DUPRAS
NO. 7305
MECHANICAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

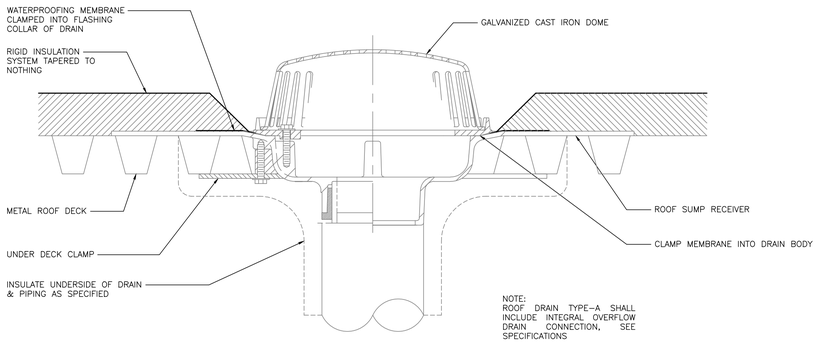
MIDDLEBURY, VERMONT

PLUMBING
DOMESTIC WATER
LEVEL 2 PLAN

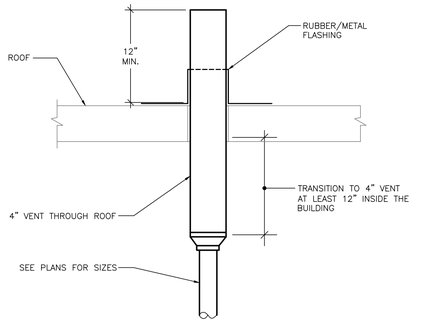
PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	NDD
SCALE:	As indicated

P9

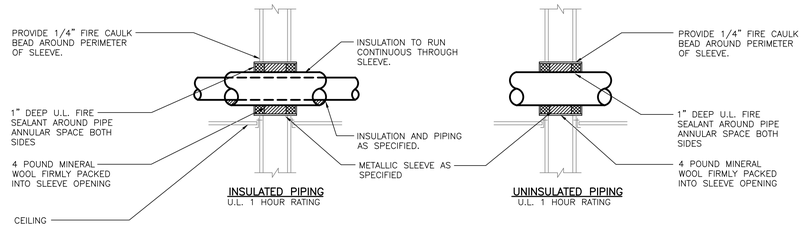
PRINTED: 1/21/2025 4:00:18 PM
FILENAME: Autodesk Docs://23033 Ilsley Library/23033 PLUMB Model R24.rvt



ROOF DRAIN DETAIL
NOT TO SCALE



PLUMBING VENT THRU ROOF DETAIL
NOT TO SCALE



METALLIC PIPE WALL PENETRATION DETAILS
NOT TO SCALE

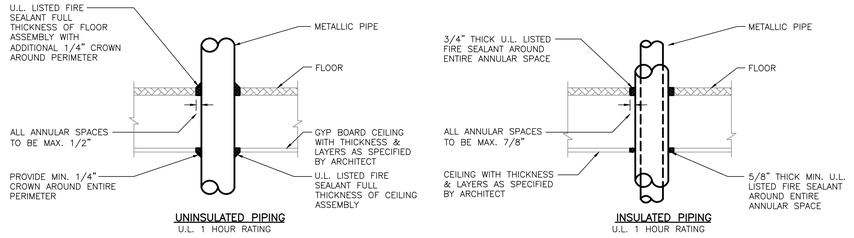
NOTE:
1) FOLLOW FIRE SEALANT MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS IN CONJUNCTION WITH REQUIREMENTS AS DETAILED.

2) ALL WALL PIPE PENETRATIONS SHALL BE INSTALLED PER THIS DETAIL.

3) DETAIL BASED ON STI "SPEC-SEAL" FIRE STOPPING PRODUCTS, ALTERNATE MANUFACTURERS INSTALLATION REQUIREMENTS MAY VARY.

4) ALL WALL PENETRATIONS SHALL BE INSTALLED TO MEET U.L. TESTED ASSEMBLIES. REFER TO ARCHITECT'S DRAWINGS FOR U.L. DESIGNATIONS OF WALL ASSEMBLIES.

5) PROVIDE CHROME PLATED ESCUTCHEONS FOR ALL EXPOSED LOCATIONS.



METALLIC PIPE FLOOR PENETRATION DETAILS
NOT TO SCALE

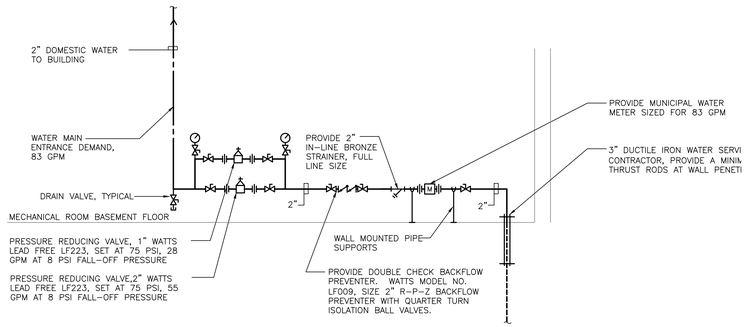
NOTE:
1) FOLLOW FIRE SEALANT MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS IN CONJUNCTION WITH REQUIREMENTS AS DETAILED.

2) ALL FLOOR PIPE PENETRATIONS SHALL BE INSTALLED PER THIS DETAIL.

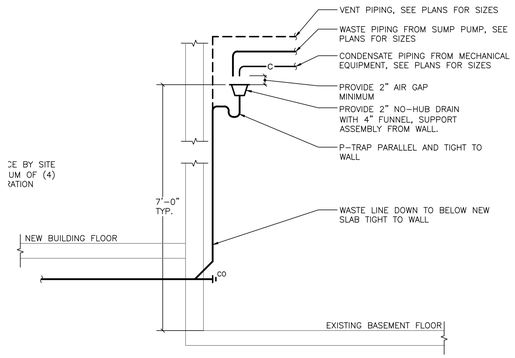
3) DETAIL BASED ON STI "SPEC-SEAL" FIRE STOPPING PRODUCTS, ALTERNATE MANUFACTURERS INSTALLATION REQUIREMENTS MAY VARY.

4) ALL FLOOR PENETRATIONS SHALL BE INSTALLED TO MEET U.L. TESTED ASSEMBLIES. REFER TO ARCHITECT'S DRAWINGS FOR U.L. DESIGNATIONS OF FLOOR ASSEMBLIES.

5) PROVIDE CHROME PLATED ESCUTCHEONS FOR ALL EXPOSED LOCATIONS.



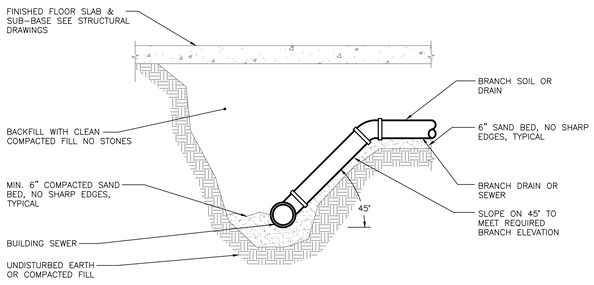
DOMESTIC WATER ENTRANCE DETAIL
NOT TO SCALE



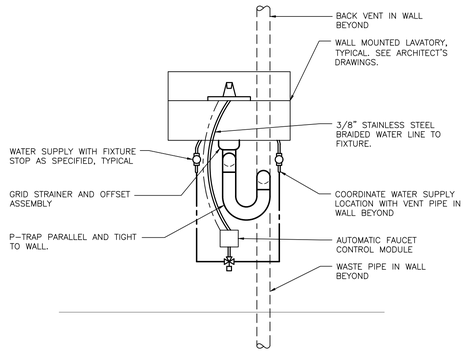
HUB DRAIN INDIRECT CONNECTION DETAIL
NOT TO SCALE

NOTES:

1. SIMILAR FOR ALL INDIRECT CONDENSATE PIPING CONNECTIONS.
2. HUB DRAIN MOUNTING HEIGHT MAY VARY DEPENDING UPON ELEVATION OF CONDENSATE DRAINAGE PIPING FROM AIR CONDITIONING EQUIPMENT. MAINTAIN A MINIMUM OF 6'-0" FROM FINISHED FLOOR TO TOP OF DRAIN.



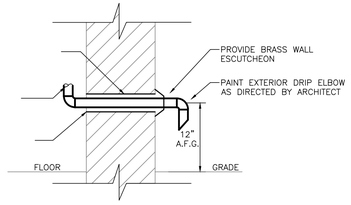
SANITARY WASTE BRANCH CONNECTION DETAIL
NOT TO SCALE



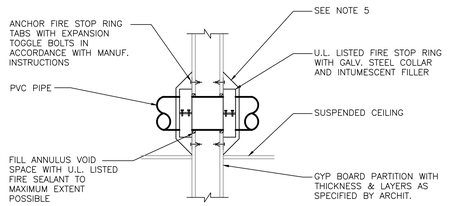
ACCESSIBLE LAVATORY PIPING DETAIL
NOT TO SCALE

NOTES:

1. PROVIDE VINYL TRAP AND WATER SUPPLY COVERS KIT AS SPECIFIED ON ALL EXPOSED PIPING TO MEET A.D.A. REQUIREMENTS.
2. ACCESSIBLE SINKS WITH PIPING EXPOSED SHALL BE INSTALLED IN A SIMILAR MANNER AS INDICATED ON THIS DETAIL.



DRIP ELBOW DETAIL
NOT TO SCALE



PVC PIPE WALL PENETRATION DETAILS
NOT TO SCALE

NOTE:
1) FOLLOW FIRE SEALANT MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS IN CONJUNCTION WITH REQUIREMENTS AS DETAILED.

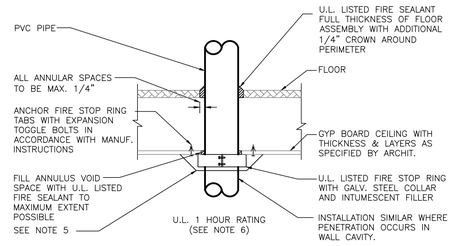
2) ALL PVC PIPE PENETRATIONS SHALL BE INSTALLED PER THIS DETAIL.

3) DETAIL BASED ON STI "SPEC-SEAL" FIRE STOPPING PRODUCTS, ALTERNATE MANUFACTURERS INSTALLATION REQUIREMENTS MAY VARY.

4) ALL FLOOR & WALL PENETRATIONS SHALL BE INSTALLED TO MEET U.L. TESTED ASSEMBLIES. REFER TO ARCHITECT'S DRAWINGS FOR U.L. DESIGNATIONS OF WALL ASSEMBLIES.

5) PROVIDE CHROME PLATED METAL WALL ESCUTCHEONS FOR ALL EXPOSED PENETRATIONS.

6) PROVIDE 2 HOUR RATED FIRE STOPPING AT LOCATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS.



PVC PIPE CEILING PENETRATION DETAILS
NOT TO SCALE

NOTE:
1) FOLLOW FIRE SEALANT MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS IN CONJUNCTION WITH REQUIREMENTS AS DETAILED.

2) ALL PVC PIPE PENETRATIONS SHALL BE INSTALLED PER THIS DETAIL.

3) DETAIL BASED ON STI "SPEC-SEAL" FIRE STOPPING PRODUCTS, ALTERNATE MANUFACTURERS INSTALLATION REQUIREMENTS MAY VARY.

4) ALL CEILING PENETRATIONS SHALL BE INSTALLED PER THIS DETAIL.

5) PROVIDE CHROME PLATED METAL WALL ESCUTCHEONS FOR ALL EXPOSED PENETRATIONS.

6) PROVIDE 2 HOUR RATED FIRE STOPPING AT LOCATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

Engineering Services of Vermont, LLC
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT DANIEL W. DWYER NO. 7935 MECHANICAL LICENSED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

N

PLUMBING DETAILS

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	NDD
SCALE:	As indicated

P10

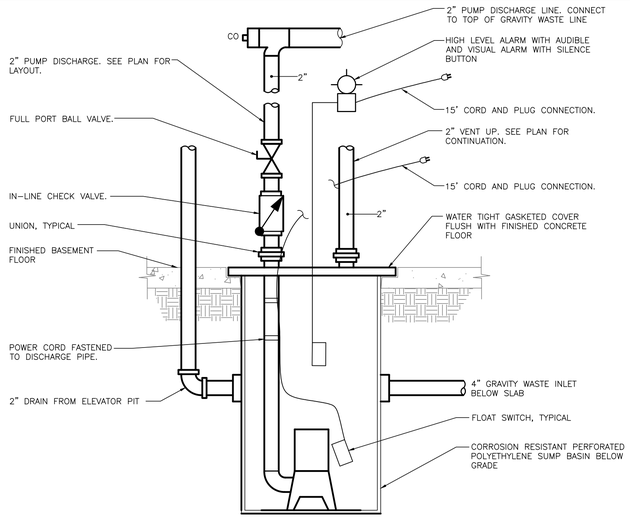
PLUMBING LEGEND & ABBREVIATIONS

SANITARY PIPING	BALL VALVE
VENT PIPING	FIXTURE STOP
C — CONDENSATE PIPING	NFHB — NON-FREEZE HOSE BIBB
ES — EXISTING SANITARY PIPING TO REMAIN	WHA — WATER HAMMER ARRESTOR
EV — EXISTING VENT PIPING TO REMAIN	THERMOSTATIC MIXING VALVE
E — EXISTING PIPING TO BE REMOVED	TEMPERATURE GAUGE
COLD WATER PIPING	NFWH — NON-FREEZE WALL HYDRANT
HOT WATER PIPING (110°F)	CHECK VALVE
HOT WATER RECIRC PIPING	BALANCING VALVE
E — EXISTING COLD WATER PIPING TO REMAIN	DRAIN VALVE
E — EXISTING HOT WATER PIPING TO REMAIN	DRAIN VALVE WITH CAP & CHAIN AND HOSE THREAD
RL — ROOF LEADER PIPING	BACKFLOW PREVENTER, SUBSCRIPT: PRZ = REDUCED PRESSURE ZONE
FLOW DIRECTION INDICATOR	PRESSURE REDUCING VALVE
PIPE RISER	CO — CLEANOUT, SUBSCRIPTS: ECO = EXISTING
PIPE DROP	WCO — WALL CLEANOUT, SUBSCRIPTS: EWCO = EXISTING
PIPE CAP	FCO — FLOOR CLEANOUT, SUBSCRIPTS: EFCO = EXISTING
IN-LINE PUMP (TRIANGLE INDICATES FLOW DIRECTION)	FD — FLOOR DRAIN, SUBSCRIPTS: EFD = EXISTING
PIPE UNION	FR — FLOOR RECEPTOR, SUBSCRIPTS: EFR = EXISTING
BOTTOM PIPE CONNECTION	R.D. — ROOF DRAIN
TOP PIPE CONNECTION	M — WATER METER
# — DEMOLITION NOTE TAG	WH # — DOMESTIC WATER HEATER TAG
R — EXISTING PLUMBING FIXTURE TO BE REMOVED	SP # — SUMP PUMP TAG
P-# — PLUMBING FIXTURE TAG	CONNECT TO EXISTING
V.T.R. — VENT THROUGH ROOF	# — DRAWING NOTE TAG

PLUMBING FIXTURE CONNECTION SCHEDULE

PLAN SYMBOL P-#

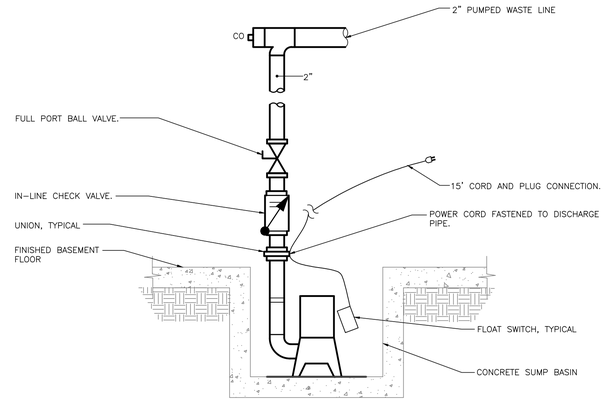
NO.	ITEM	SOIL	WASTE	VENT	CW	HW	TRAP	REMARKS
P-1	FLUSH VALVE WATERCLOSET	3"	–	2"	1"	–	INTEGRAL	–
P-1A	ACCESSIBLE FLUSH VALVE WATERCLOSET	3"	–	2"	1"	–	INTEGRAL	–
P-1B	ACCESSIBLE CHILDREN'S WATERCLOSET	3"	–	2"	1/2"	–	INTEGRAL	–
P-2	ACCESSIBLE COUNTER LAVATORY	–	1 1/2"	1 1/2"	1/2"	1/2"	1 1/4" X 1 1/2" P	–
P-2A	ACCESSIBLE WALL HUNG LAVATORY	–	1 1/2"	1 1/2"	1/2"	1/2"	1 1/4" X 1 1/2" P	–
P-3	ACCESSIBLE URINAL	2"	–	1 1/2"	3/4"	–	INTEGRAL	–
P-4	ACCESSIBLE SHOWER	–	2"	1 1/2"	1/2"	1/2"	2" P-TRAP	–
P-5	KITCHEN SINK	–	2"	1 1/2"	1/2"	1/2"	2" P-TRAP	–
P-6	DISHWASHER	–	1"	–	–	1/2"	I.D.	PIPE TO SINK TAILPIECE
P-7	SERVICE SINK	–	3"	2"	1/2"	1/2"	3" P-TRAP	–
P-8	BI-LEVEL DRINKING FOUNTAIN	–	1 1/2"	1 1/2"	1/2"	–	1 1/2"-P	–
P-9	LAUNDRY VALVE	–	2"	1 1/2"	1 1/2"	1 1/2"	–	3" P-TRAP WITH 36" STANDPIPE



PACKAGED WASTE PUMP DETAIL

NOT TO SCALE

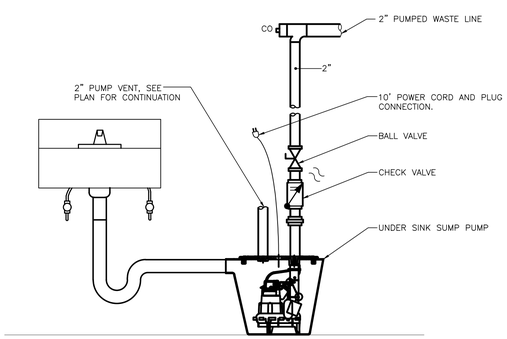
SP 1 PROVIDE ZOELLER MODEL 900 SERIES, 18" DIAMETER PACKAGED PUMP SYSTEM WITH TOP VENT AND DISCHARGE, MODEL M53 PUMP RATED 19 GPM AT 15 FT HD. PROVIDE HIGH LEVEL ALARM. PROVIDE CORD AND PLUG WITH FACTORY INSTALLED FLOAT CONTROL UL LISTED. ELECTRICAL 3/10HP, 115V-60HZ-1PH.



ELEVATOR SUMP PUMP DETAIL

NOT TO SCALE

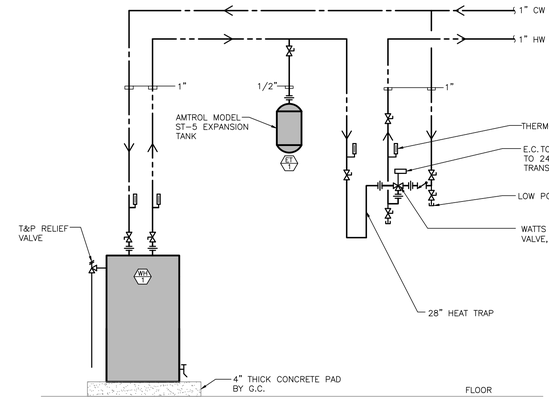
SP 2 PROVIDE ZOELLER MODEL M53 PUMP RATED 19 GPM AT 15 FT HD. INSTALLED IN ELEVATOR PIT. PROVIDE HIGH LEVEL ALARM. PROVIDE CORD AND PLUG WITH FACTORY INSTALLED FLOAT CONTROL UL LISTED. ELECTRICAL 3/10HP, 115V-60HZ-1PH.



UNDER SINK WASTE PUMP DETAIL

NOT TO SCALE

SP 3 PROVIDE FRANKLIN ELECTRIC LITTLE GIANT MODEL WRSC-6 PUMP RATED 29 GPM AT 10 FT HIGH, 7.8 PSI. INSTALLED UNDER SINK. PROVIDE FACTORY INSTALLED INTEGRAL DIAPHRAGM AND CORD AND PLUG. UL LISTED. ELECTRICAL: 720 WATTS, 1/3 HP, 115V-60HZ-1PH.



DOMESTIC WATER HEATER PIPING DETAIL

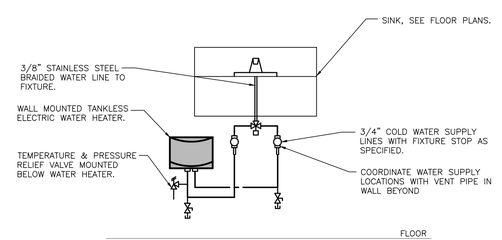
NOT TO SCALE

WH 1 AO SMITH MODEL ENT-55, 55 GALLON CAPACITY WITH A FIRST HOUR RATING OF 72 GPH, RATED RECOVERY OF 18 GPH RECOVERY AT 100 DEG. F RISE, 4.5 KW, (2) 4.5KW NON-SIMULTANEOUS UPPER AND LOWER HEATING ELEMENTS, 240V, 1 PHASE, 60 HZ.

DOMESTIC WATER HEATER PIPING DETAIL

NOT TO SCALE

WH 2 AO SMITH MODEL ENT-30, 30 GALLON CAPACITY WITH A FIRST HOUR RATING OF 48 GPH, RATED RECOVERY OF 18 GPH RECOVERY AT 100 DEG. F RISE, 4.5 KW, (2) 4.5KW NON-SIMULTANEOUS UPPER AND LOWER HEATING ELEMENTS, 240V, 1 PHASE, 60 HZ.



TANKLESS WATER HEATER PIPING DETAIL

NOT TO SCALE

WH 3 TANKLESS ELECTRIC INSTANTANEOUS WATER HEATER – STIEBEL ELTRON "MINI 6.0", MODEL NO. 232098, 120V, 1Φ, 2.4 KW, 30A BREAKER SIZE, 0.4 GPM MINIMUM WATER FLOW TO UNIT, 39°F WATER TEMPERATURE RISE @ 0.42 GPM.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

Engineering Services of Vermont, LLC
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT DANIEL W. DUPRAS NO. 7035 MECHANICAL LICENSED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

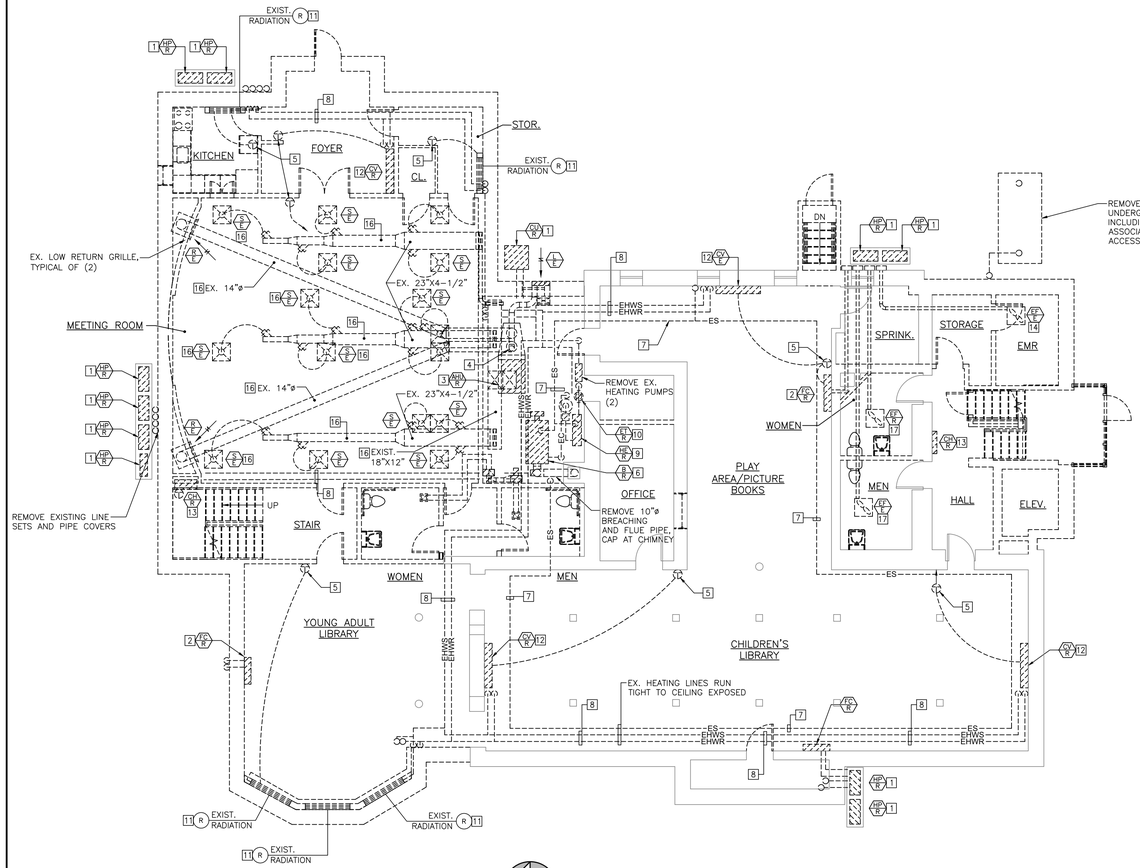
MIDDLEBURY, VERMONT

N

PLUMBING DETAILS

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	NDD
SCALE:	As indicated

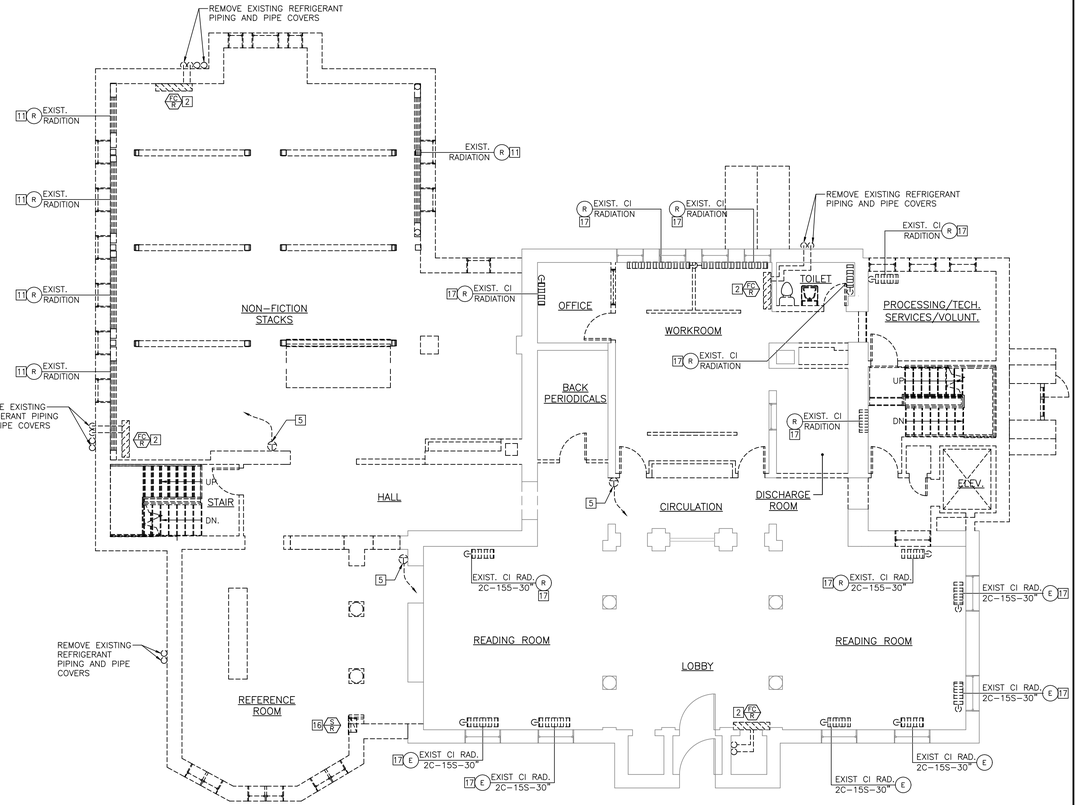
P11



PROJECT NORTH

MECHANICAL BASEMENT DEMOLITION PLAN

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



PROJECT NORTH

MECHANICAL LEVEL 1 DEMOLITION PLAN

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

GENERAL NOTES: (APPLY TO ALL DRAWINGS)

1) THE EXISTING CONDITIONS SHOWN ON THESE DRAWINGS ARE DIAGRAMMATIC AND ARE BASED ON DRAWINGS DATED SEPTEMBER 4, 1987 AS WELL AS SITE OBSERVATIONS AND ARE INTENDED TO SHOW THE GENERAL SCOPE OF DEMOLITION WORK REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE OVERALL SCOPE OF DEMOLITION WORK REQUIRED.
2) ALL ITEMS SCHEDULED FOR DEMOLITION SHALL BE REMOVE COMPLETELY, PIPING WHICH IS CONCEALED IN CONSTRUCTION MAY BE ABANDONED IN PLACE AS APPROVED BY THE PROJECT ENGINEER.
3) NOTIFY THE ARCHITECT AND ENGINEER OF CONDITIONS WHICH VARY FROM WHAT IS INDICATED.

DEMOLITION NOTES: (APPLY TO THIS DRAWING ONLY)

1. REMOVE EXISTING OUTDOOR HEAT PUMP UNIT, INCLUDING ALL ASSOCIATED REFRIGERANT PIPING AND CONTROLS.
2. REMOVE EXISTING INDOOR FAN COIL UNIT, INCLUDING ALL ASSOCIATED REFRIGERANT PIPING AND CONTROLS.
3. REMOVE EXISTING AIR HANDLING UNIT AND MODIFY DUCTWORK AS REQUIRED TO INSTALL NEW WORK, SEE NEW WORK PLANS.
4. REMOVE EXISTING FRESH AIR SUPPLY DUCTWORK.
5. REMOVE EXISTING THERMOSTAT.
6. REMOVE EXISTING GAS FIRED BOILER, INCLUDING ALL ASSOCIATED CONTROLS, SPECIALTIES, FLUE CONNECTOR.
7. REMOVE ALL EXISTING STEAM AND CONDENSATE PIPING..
8. REMOVE EXISTING HOT WATER HEATING PIPING.
9. REMOVE EXISTING HEAT EXCHANGER AND ASSOCIATED SPECIALTIES.
10. REMOVE EXISTING EXPANSION TANK.
11. REMOVE EXISTING BASEBOARD RADIATION INCLUDING ALL ASSOCIATED HEATING PIPING.
12. REMOVE EXISTING CONVECTOR, INCLUDING ALL ASSOCIATED HEATING PIPING.
13. REMOVE EXISTING CABINET HEATER, INCLUDING ALL, ASSOCIATED HEATING PIPING.
14. REMOVE EXISTING CEILING EXHAUST FAN AND ASSOCIATED DUCTWORK.
15. REMOVE EXISTING DOMESTIC WATER HEATER.
16. REMOVE EXISTING DUCTWORK, EXACT LOCATION TO BE FIELD VERIFIED.
17. REMOVE AND REPLACE EXISTING CAST IRON RADIATOR INCLUDING ALL ASSOCIATED HEATING PIPING.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

Engineering Services of Vermont, LLC
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT · DANIEL W. DWORSKY · NO. 7936 MECHANICAL LICENSED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

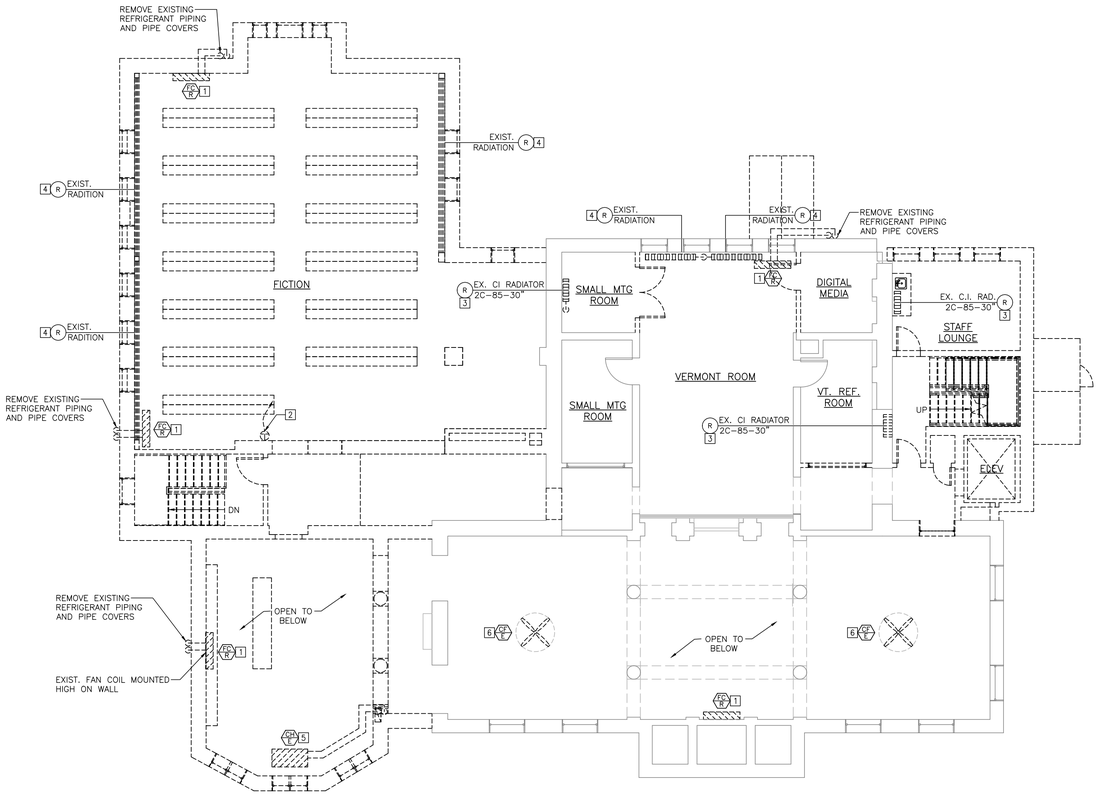
MIDDLEBURY, VERMONT

N

MECHANICAL DEMOLITION PLANS

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	DWD
SCALE:	As indicated

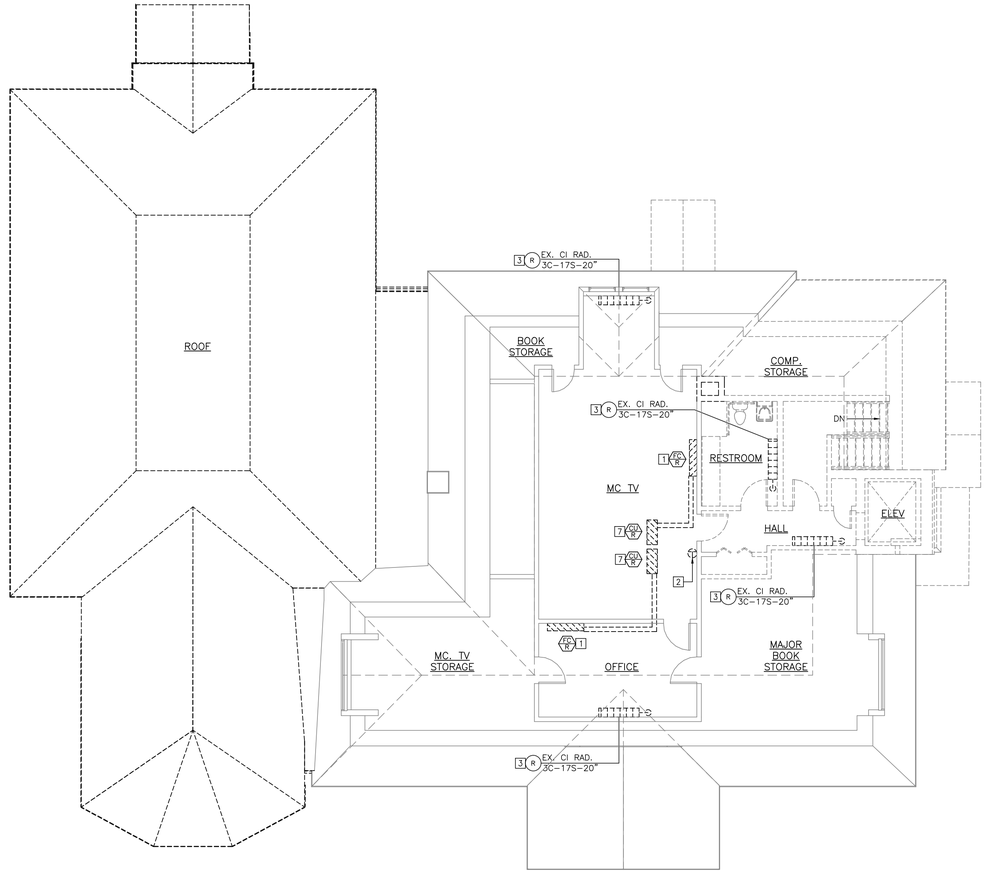
M1



PROJECT NORTH

MECHANICAL LEVEL 2 DEMOLITION PLAN

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



PROJECT NORTH

MECHANICAL THIRD FLOOR DEMOLITION PLAN

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

DEMOLITION NOTES: (APPLY TO THIS DRAWING ONLY)

1. REMOVE EXISTING INDOOR FAN COIL UNIT, INCLUDING ALL ASSOCIATED REFRIGERANT PIPING AND CONTROLS.
2. REMOVE EXISTING THERMOSTAT.
3. REMOVE AND REPLACE EXISTING CAST IRON RADIATOR AND ALL ACCESSIBLE HEATING PIPING.
4. REMOVE EXISTING BASEBOARD AND ALL ASSOCIATED HEATING PIPING.
5. EXISTING CABINET HEATER TO BE ABANDONED IN PLACE, ASSOCIATED HEATING PIPING TO BE REMOVED, PIPING BURIED IN CONSTRUCTION SHALL BE DRAINED, CAPPED AND ABANDONED.
6. EXISTING CEILING PADDLE FAN AND ASSOCIATED CONTROLS TO REMAIN.
7. EXISTING ROOFTOP OUTDOOR CONDENSING UNIT TO BE REMOVED, INCLUDING ALL ASSOCIATED REFRIGERANT PIPING AND CONTROLS PATCH AND REPAIR ROOF TO MAINTAIN WARRANTY.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

Engineering Services of Vermont, LLC
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT DANIEL W. DUPRAS NO. 7035 REGISTERED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

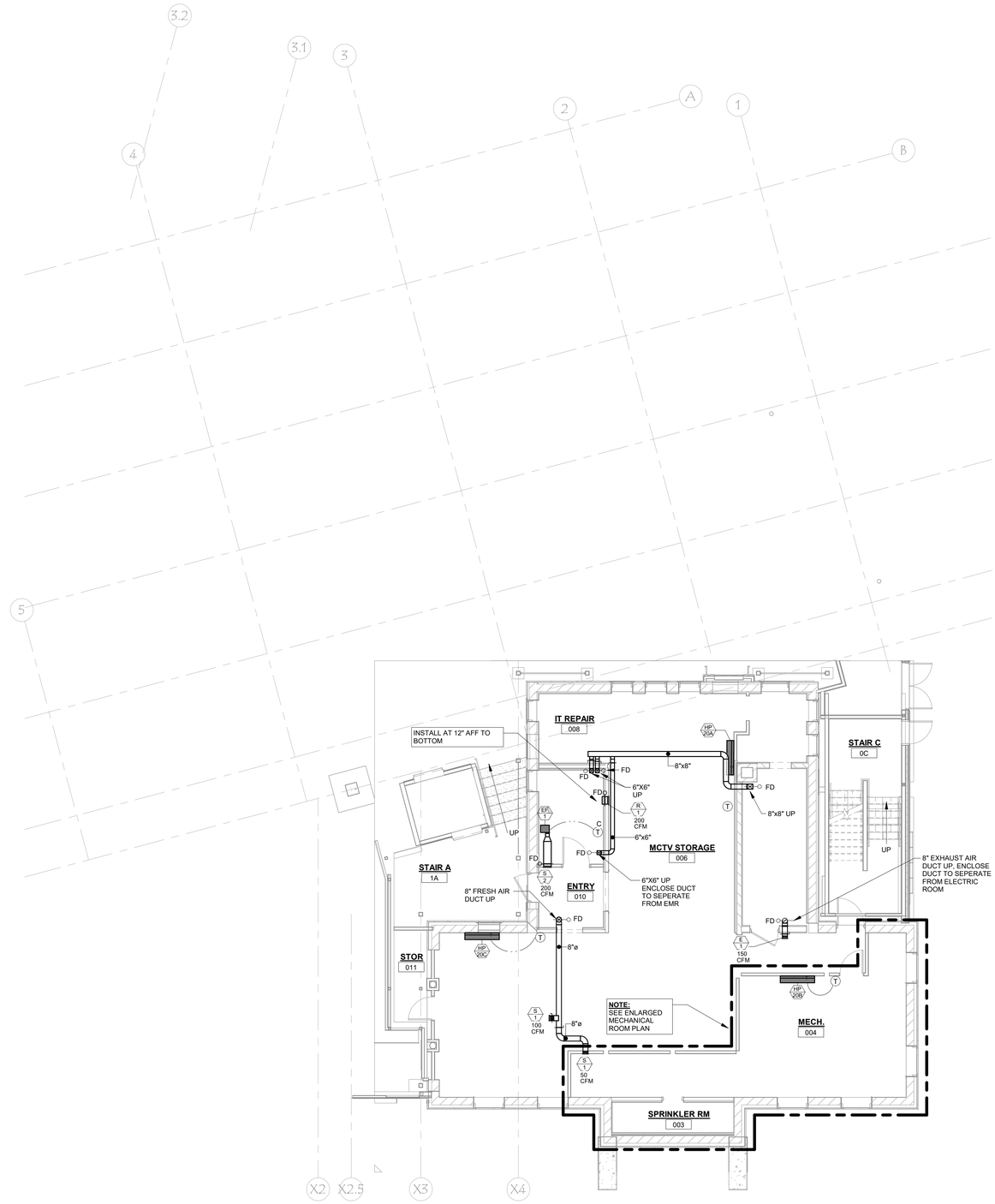
MIDDLEBURY, VERMONT

N

MECHANICAL DEMOLITION PLANS

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	DWD
SCALE:	As indicated

M2



MECHANICAL AIR DISTRIBUTION BASEMENT PLAN

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

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services of Vermont,

MECHANICAL-ELECTRICAL CONSULTING ENGINEERS

9 Washington Street
Rutland, Vermont 05701
Phone: 802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT
DANIEL W. DUPUIS
NO. 7335
MECHANICAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

MECHANICAL AIR DISTRIBUTION BASEMENT PLAN

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	DWD
SCALE:	1/8" = 1'-0"

M3

PRINTED: 1/22/2025 8:23:43 AM
FILENAME: Autodesk Docs://23033 Ilsley Library/23033 MECH Model R24.rvt



MECHANICAL AIR DISTRIBUTION LEVEL 1 PLAN

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

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services of Vermont,
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
Phone: 802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT
DANIEL W. DUSTON
NO. 7335
MECHANICAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

MECHANICAL AIR DISTRIBUTION LEVEL 1 PLAN

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	DWD
SCALE:	1/8" = 1'-0"

M4

PRINTED: 12/2/2025 8:23:47 AM
FILENAME: Autodesk Docs://23033 Ilsley Library/23033 MECH Model R24.rvt



MECHANICAL AIR DISTRIBUTION LEVEL 2 PLAN

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

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services of Vermont,
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
Phone: 802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT — DANIEL W. DUPRAS — NO. 7935 — MECHANICAL — LICENSED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

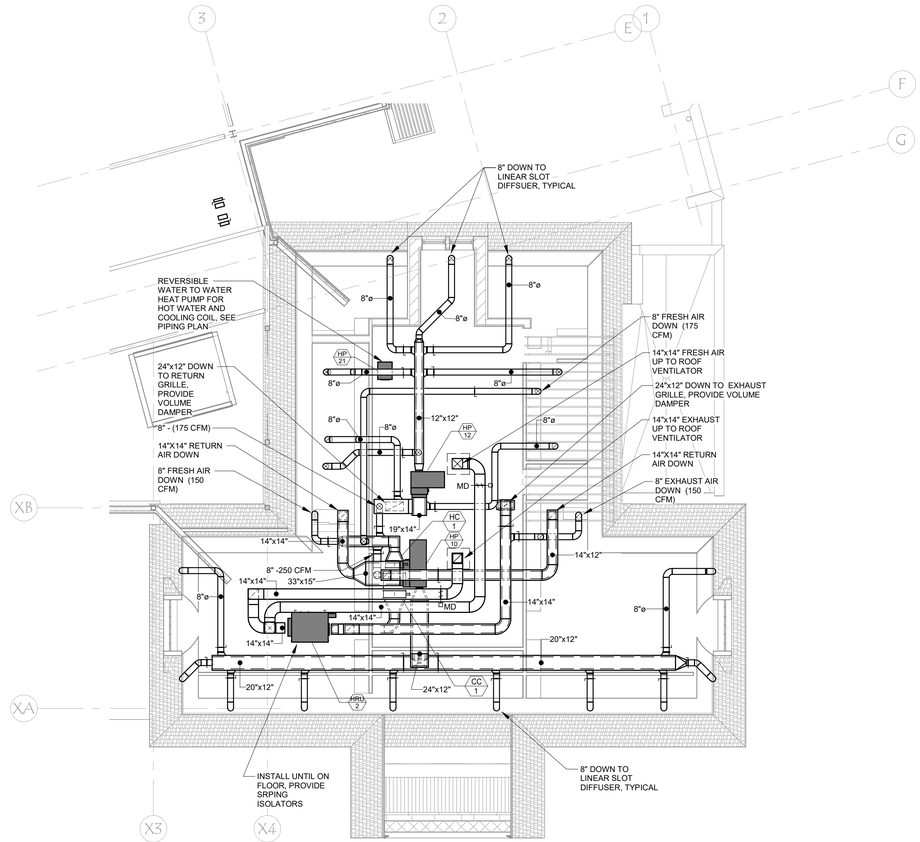
MIDDLEBURY, VERMONT

MECHANICAL AIR DISTRIBUTION LEVEL 2 PLAN

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	DWD
SCALE:	1/8" = 1'-0"

M5

PRINTED: 1/22/2025 8:23:50 AM FILENAME: Autodesk Docs:/23033 Ilsley Library/23033 MECH Model R24.rvt



MECHANICAL AIR DISTRIBUTION ATTIC PLAN
Scale: 1/8" = 1'-0"

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services of Vermont,
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
Phone: 802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT
DANIEL W. DUPUIS
NO. 7935
MECHANICAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

MECHANICAL AIR DISTRIBUTION ATTIC PLAN

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	DWD
SCALE:	1/8" = 1'-0"

M6

PRINTED: 1/22/2025 8:23:51 AM
FILENAME: Autodesk Docs://23033 Ilsley Library/23033 MECH Model R24_rvt



MECHANICAL AIR DISTRIBUTION ROOF PLAN
Scale: 1/8" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services of Vermont,
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
Phone: 802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT
DANIEL W. DUPUIS
NO. 7995
MECHANICAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

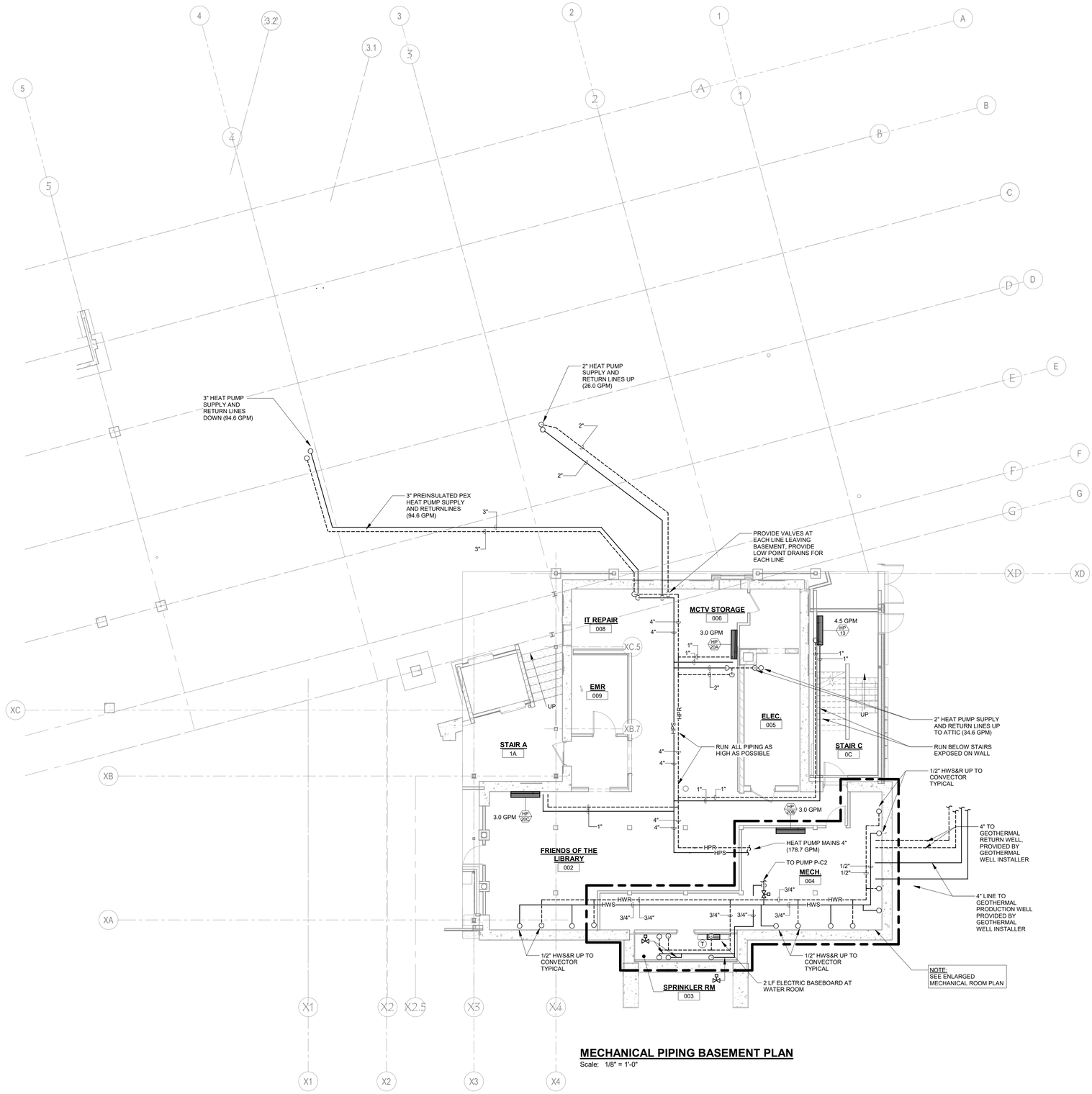
MIDDLEBURY, VERMONT

MECHANICAL AIR DISTRIBUTION ROOF PLAN

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	DWD
SCALE:	1/8" = 1'-0"

M7

PRINTED:1/22/2025 8:23:52 AM FILENAME:Autodesk Docs://23033 Ilsley Library/23033 MECH Model R24.rvt



MECHANICAL PIPING BASEMENT PLAN

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

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services of Vermont,
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
Phone: 802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT
DANIEL W. DUPRAS
NO. 7595
MECHANICAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

MECHANICAL PIPING BASEMENT PLAN

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	DWD
SCALE:	1/8" = 1'-0"

M8

PRINTED: 1/22/2026 9:23:53 AM FILENAME: Autodesk Docs://23033 Ilsley Library/23033 MECH Model R24.rvt



MECHANICAL PIPING LEVEL 1 PLAN

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

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services of Vermont,
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
Phone: 802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT
DANIEL W. DUPRAS
NO. 7305
MECHANICAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

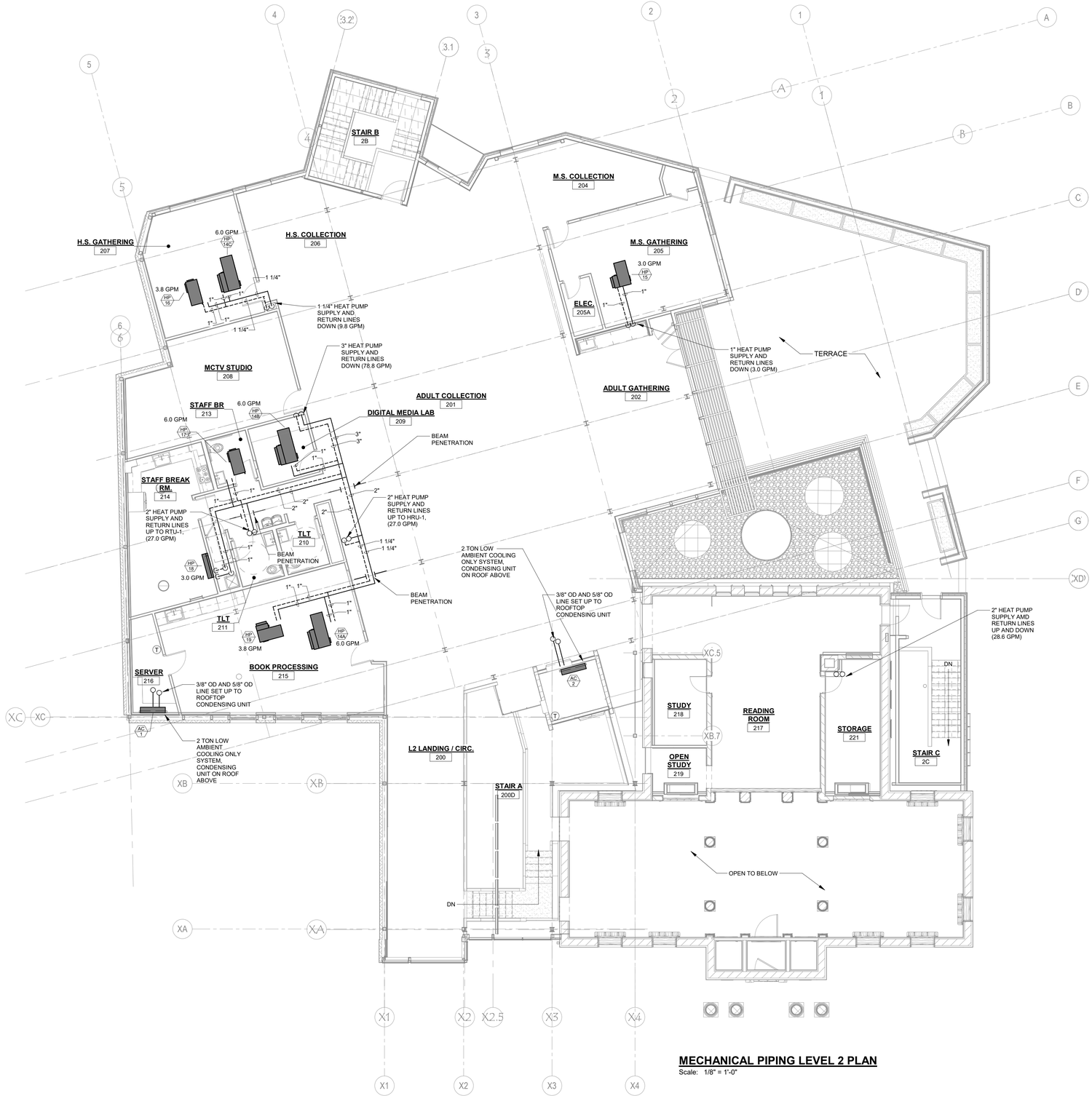
MIDDLEBURY, VERMONT

MECHANICAL PIPING LEVEL 1 PLAN

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	DWD
SCALE:	1/8" = 1'-0"

M9

PRINTED: 1/22/2025 8:23:57 AM FILENAME: Autodesk Docs://23033 Ilsley Library/23033 MECH Model R24.rvt



MECHANICAL PIPING LEVEL 2 PLAN
Scale: 1/8" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services of Vermont,
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
Phone: 802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT
DANIEL W. DUPOIS
NO. 7935
MECHANICAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

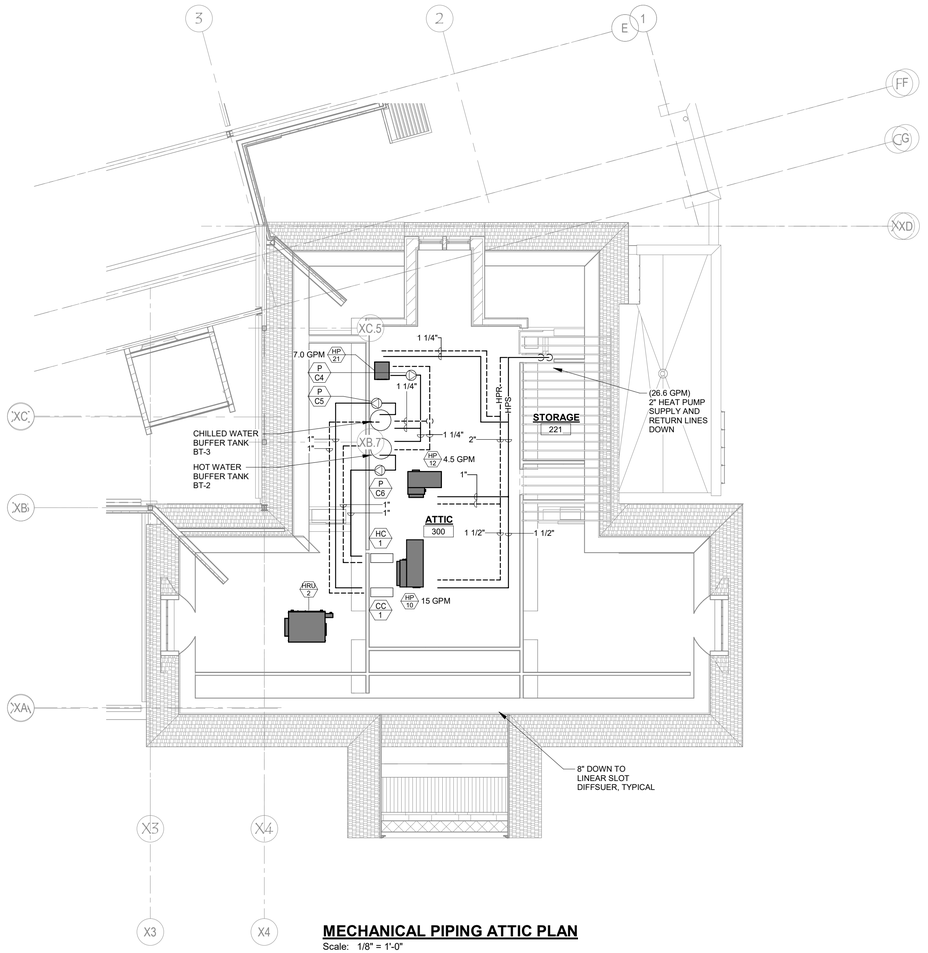
MIDDLEBURY, VERMONT

MECHANICAL PIPING LEVEL 2 PLAN

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	DWD
SCALE:	1/8" = 1'-0"

M10

PRINTED: 1/22/2025 8:23:41 AM FILENAME: Autodesk Docs://23033 Ilsley Library/23033 MECH Model R24.rvt



MECHANICAL PIPING ATTIC PLAN
Scale: 1/8" = 1'-0"

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services
of Vermont,
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
Phone: 802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT
DANIEL W. DUPRAS
NO. 7335
MECHANICAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

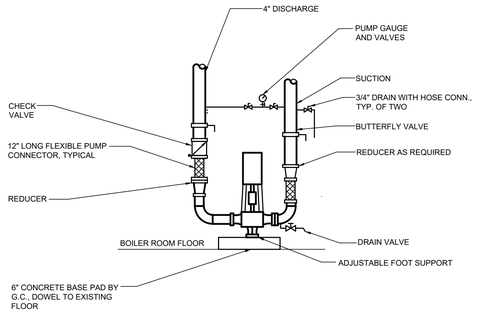
MIDDLEBURY, VERMONT

MECHANICAL PIPING ATTIC PLAN

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	DWD
SCALE:	1/8" = 1'-0"

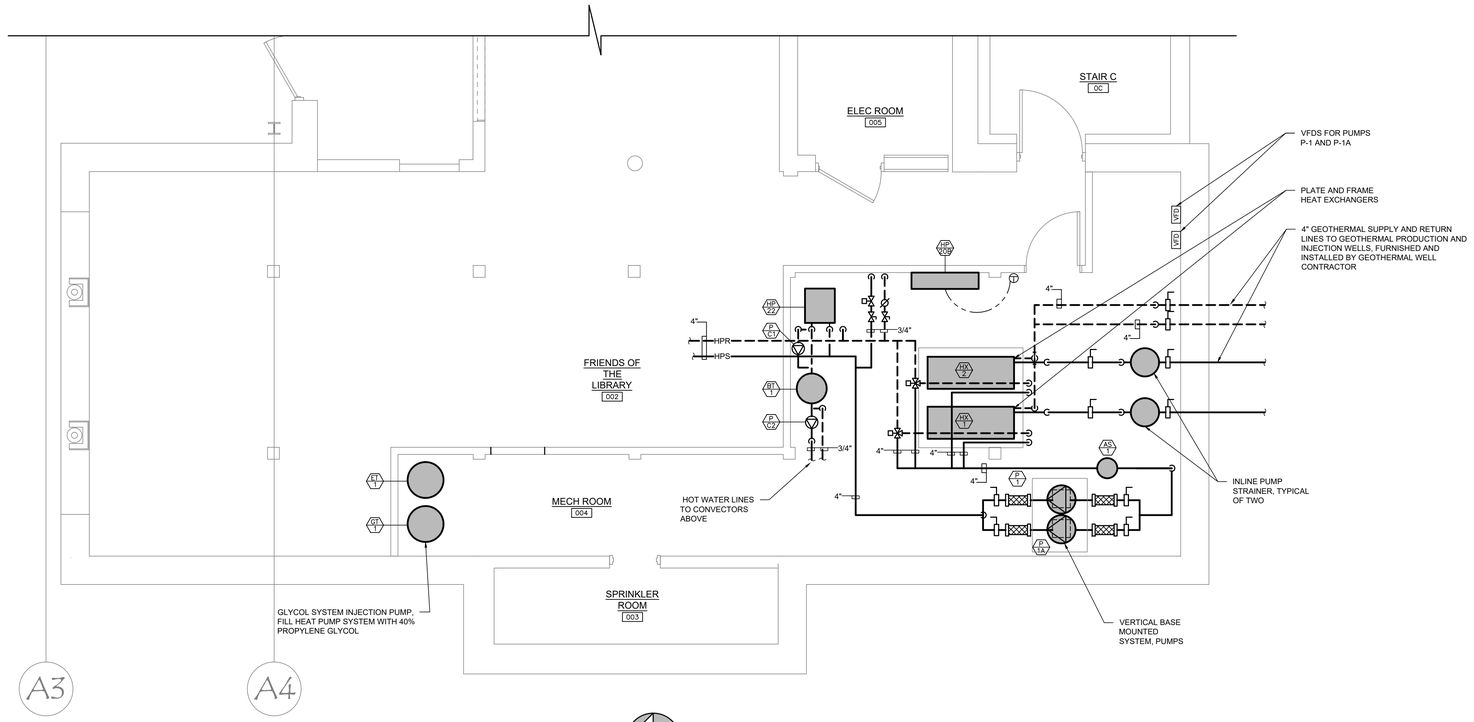
M11

PRINTED: 1/22/2025 8:23:42 AM FILENAME: Autodesk Docs://23033 Illsley Library/23033 MECH Model R24.rvt



VERTICAL BASE MOUNTED PUMP DETAIL

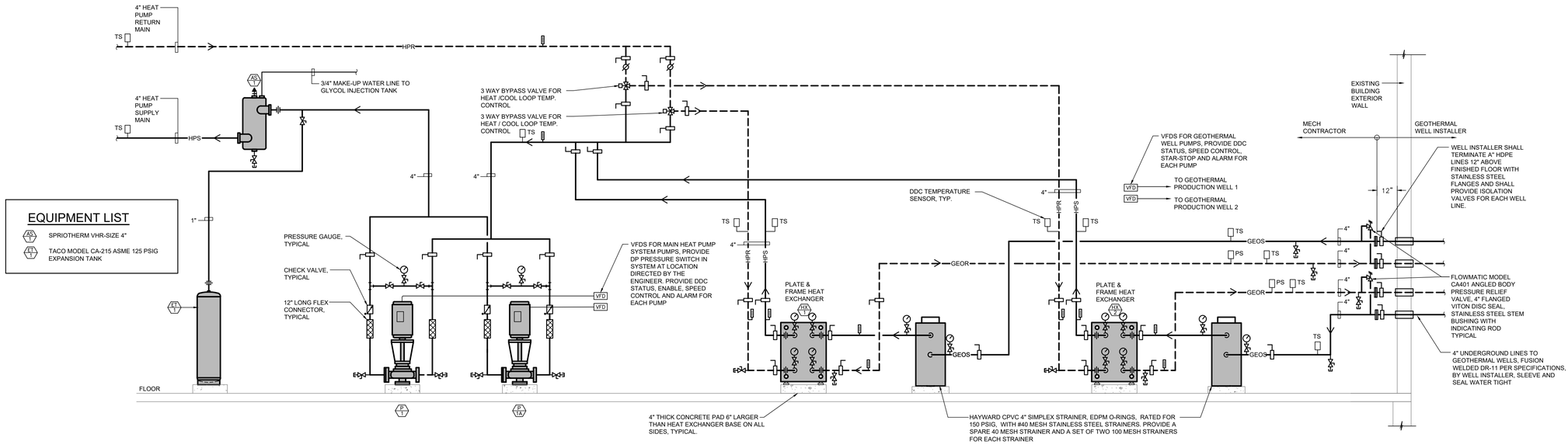
NOT TO SCALE



PROJECT NORTH

MECHANICAL ENLARGED BASEMENT PLAN

SCALE: 1/4"=1'-0"



MECHANICAL ROOM PIPING SCHEMATIC

NOT TO SCALE

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services of Vermont, LLC
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT — DANIEL W. DIPPEL — NO. 7035 MECHANICAL — LICENSED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

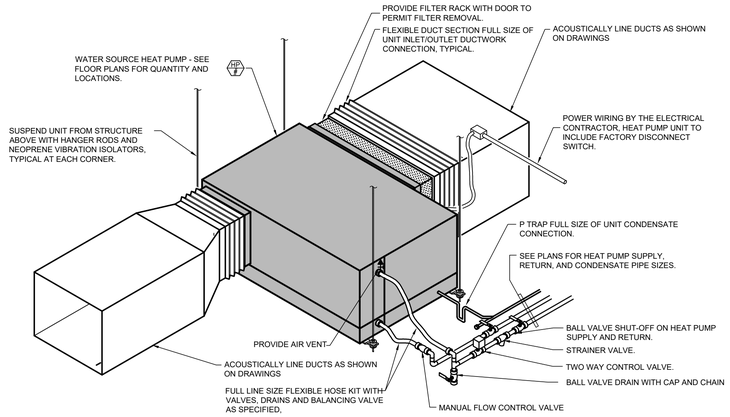
MIDDLEBURY, VERMONT

N

MECHANICAL ENLARGED BASEMENT PLAN

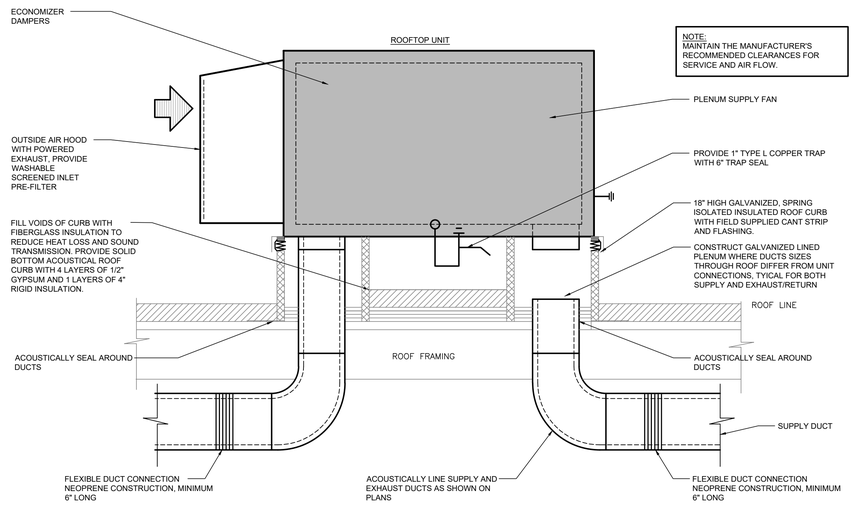
PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	DWD/NDD
SCALE:	As indicated

M12



WATER SOURCE HEAT PUMP PIPING DETAIL

NOT TO SCALE

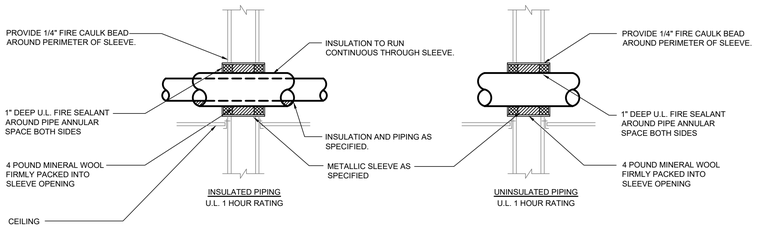


ROOFTOP UNIT AND HEAT RECOVERY UNIT DETAIL

NOT TO SCALE

MECHANICAL LEGEND & ABBREVIATIONS

HPS	HEAT PUMP SUPPLY PIPING		NEW FLEXIBLE DUCTWORK
HPR	HEAT PUMP RETURN PIPING		NEW SUPPLY DIFFUSER
C	NEW CONDENSATE DRAIN PIPING		NEW RETURN GRILLE
CTS	COOLING TOWER SUPPLY PIPING		VOLUME DAMPER
CTR	COOLING TOWER RETURN PIPING		AIR FLOW INDICATOR
	BALL VALVE		NEW CONTROL WIRING
	CHECK VALVE	A.F.F.	ABOVE FINISHED FLOOR
	BALANCING VALVE	M.C.	MECHANICAL CONTRACTOR
	2-WAY CONTROL VALVE	P.C.	PLUMBING CONTRACTOR
	PIPE RISER	E.C.	ELECTRICAL CONTRACTOR
	PIPE DROP	G.C.	GENERAL CONTRACTOR
	PIPE CAP	SD	SUPPLY DIFFUSER
	BOTTOM PIPE CONNECTION	RG	RETURN GRILLE
	TOP PIPE CONNECTION	EG	EXHAUST GRILLE
	PIPE UNION	TG	TRANSFER GRILLE
CO	CLEANOUT	WSHP	WATER SOURCE HEAT PUMP
	NEW DUCTWORK	CH	CABINET HEATER
	ACOUSTICALLY LINED DUCTWORK	EF	EXHAUST FAN
	EXISTING DUCTWORK	LV	LOUVER
	SUPPLY DUCT DOWN	RH	RADIANT HEADER
	SUPPLY DUCT UP	CU	CONDENSING UNIT
	RETURN DUCT DOWN	CT	COOLING TOWER
	RETURN DUCT UP	AC	AIR CONDITIONING UNIT
	SQUARE TO ROUND TRANSITION	1	DRAWING NOTE TAG
	SQUARE ELBOW WITH TURNING VANES	CO	NEW CARBON MONOXIDE SENSOR
	FLEXIBLE DUCT CONNECTOR	M.D.	MOTORIZED DAMPER
HRU	HEAT RECOVERY UNIT	H	HUMIDISTAT
	CEILING EXHAUST FAN	T	THERMOSTAT
	ROOFTOP EXHAUST FAN	G	NATURAL GAS PIPING



METALLIC PIPE WALL PENETRATION DETAILS

NOT TO SCALE

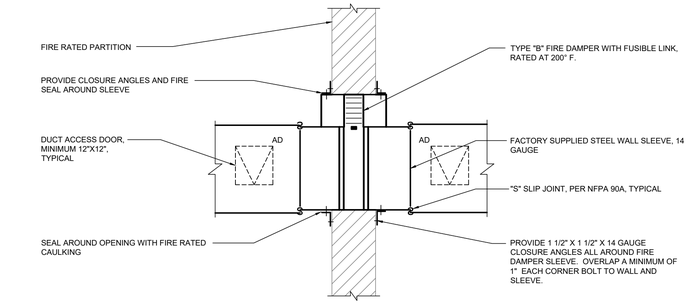
NOTE:
1) FOLLOW FIRE SEALANT MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS IN CONJUNCTION WITH REQUIREMENTS AS DETAILED.

2) ALL WALL PIPE PENETRATIONS SHALL BE INSTALLED PER THIS DETAIL.

3) DETAIL BASED ON STI "SPEC-SEAL" FIRE STOPPING PRODUCTS, ALTERNATE MANUFACTURERS INSTALLATION REQUIREMENTS MAY VARY.

4) ALL WALL PENETRATIONS SHALL BE INSTALLED TO MEET U.L. TESTED ASSEMBLIES. REFER TO ARCHITECT'S DRAWINGS FOR U.L. DESIGNATIONS OF WALL ASSEMBLIES.

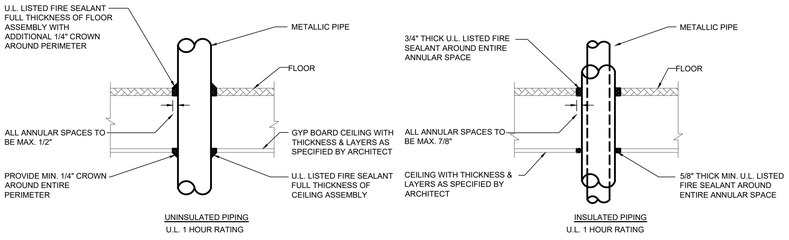
5) PROVIDE CHROME PLATED ESCUTCHEONS FOR ALL EXPOSED LOCATIONS.



FIRE DAMPER DETAIL

NOT TO SCALE

NOTE:
SIMILAR FOR FLOOR MOUNTED DAMPERS



METALLIC PIPE FLOOR PENETRATION DETAILS

NOT TO SCALE

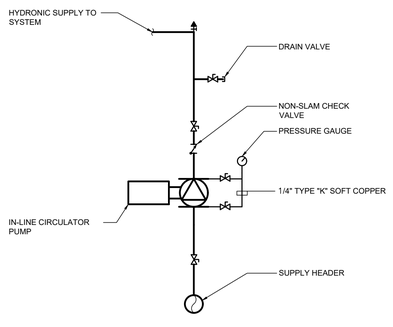
NOTE:
1) FOLLOW FIRE SEALANT MANUFACTURERS WRITTEN INSTALLATION INSTRUCTIONS IN CONJUNCTION WITH REQUIREMENTS AS DETAILED.

2) ALL FIRE RATED FLOOR PIPE PENETRATIONS SHALL BE INSTALLED PER THIS DETAIL.

3) DETAIL BASED ON STI "SPEC-SEAL" FIRE STOPPING PRODUCTS, ALTERNATE MANUFACTURERS INSTALLATION REQUIREMENTS MAY VARY.

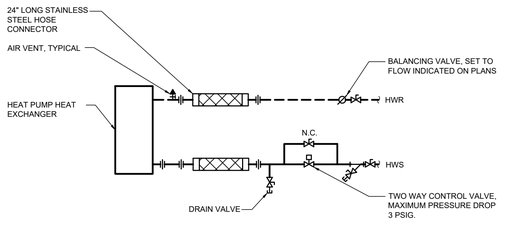
4) ALL FLOOR PENETRATIONS SHALL BE INSTALLED TO MEET U.L. TESTED ASSEMBLIES. REFER TO ARCHITECT'S DRAWINGS FOR U.L. DESIGNATIONS OF FLOOR ASSEMBLIES.

5) PROVIDE CHROME PLATED ESCUTCHEONS FOR ALL EXPOSED LOCATIONS.



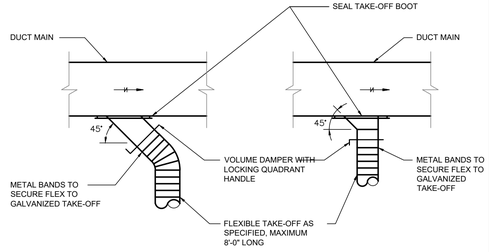
IN-LINE PUMP PIPING DETAIL

NOT TO SCALE



WATERTO WATER HEAT PUMP PIPING DETAIL

NOT TO SCALE



TYPICAL DUCT TAKE-OFF DETAILS

NOT TO SCALE

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

Engineering Services of Vermont, LLC
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT — DANIEL W. DWORSKY — NO. 7938 — MECHANICAL — LICENSED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

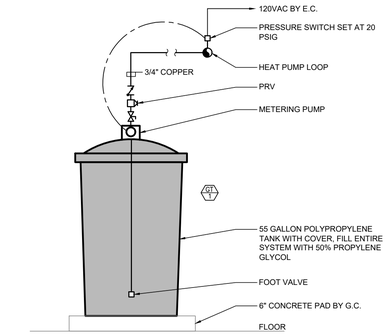
MIDDLEBURY, VERMONT

N

MECHANICAL DETAILS

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	DWD
SCALE:	As indicated

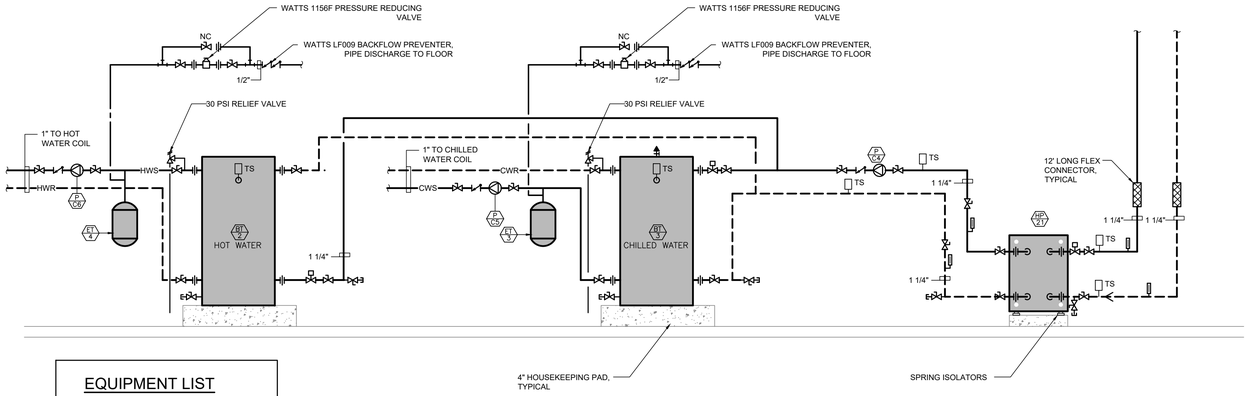
M13



GLYCOL INJECTOR TANK AND PUMP DETAIL

NOT TO SCALE

GLYCOL INJECTOR TANK AND PUMP - HYDRONIC SYSTEM FEEDER SHALL BE AXIOM INDUSTRIES LTD MODEL SF100-HP, SYSTEM SHALL INCLUDE 55 GALLON STORAGE/MIXING TANK WITH COVER; PUMP SUCTION HOSE WITH INLET STRAINER; PRESSURE PUMP WITH THERMAL CUT OUT, INTEGRAL PUMP SWITCH; INTEGRAL CHECK VALVE; CORD AND PLUG; PRE-CHARGED ACCUMULATOR TANK WITH EPDM DIAPHRAGM; MANUAL DIVERTER VALVE FOR PURGING AIR AND AGITATING CONTENTS OF STORAGE TANK; PRESSURE REGULATING VALVE ADJUSTABLE 25-85 PSIG COMPLETE WITH PRESSURE GAUGE; BUILT-IN CHECK VALVE; UNION CONNECTION; 1/2" x 36" LONG FLEXIBLE CONNECTION HOSE WITH CHECK VALVE; LOW LEVEL PUMP CUT-OUT. PRESSURE PUMP SHALL BE CAPABLE OF RUNNING DRY WITHOUT DAMAGE. POWER SUPPLY 115/60/1, 0.9 A. FILL ENTIRE HEAT PUMP LOOP WITH 30% GLYCOL

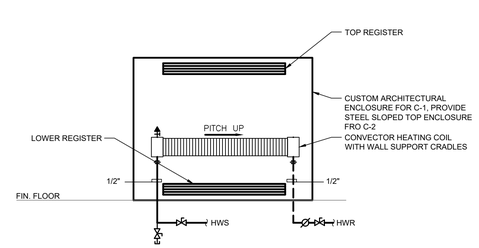


EQUIPMENT LIST

- BT 2 — 50 GALLON BOILER BUDDY
- BT 3 — 50 GALLON BOILER BUDDY
- ET 3 — AMTROL MODEL EX-60 EXPANSION TANK
- ET 4 — AMTROL MODEL EX-60 EXPANSION TANK

ATTIC MECHANICAL ROOM HEAT PUMP PIPING SCHEMATIC

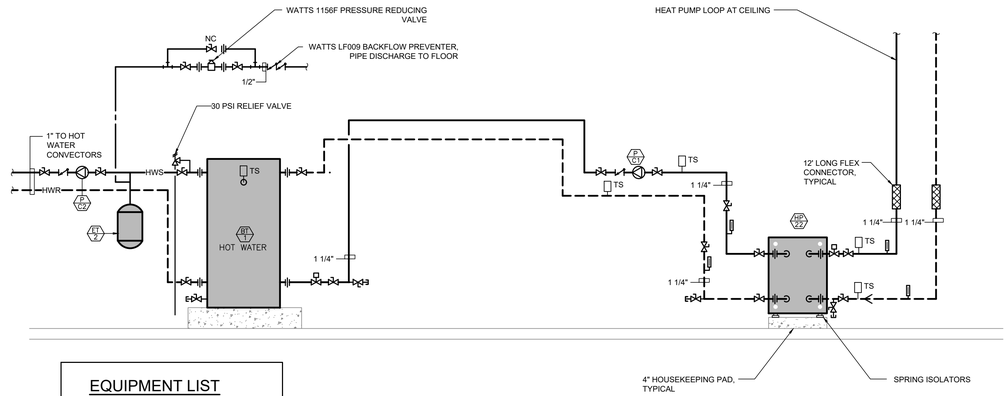
NOT TO SCALE



CONVECTOR PIPING DETAIL

NOT TO SCALE

- EC 1 — CONVECTOR VULCAN MODEL 8" WIDEX36" LONG CONVECTOR HEATING COIL WITH WALL SUPPORT CRADLES, RATED AT 2.4 MBH AT 110 F AWT
- EC 2 — CONVECTOR VULCAN MODEL 4" WIDE X 36" LONG 32" TALL CONVECTOR HEATING COIL WITH WALL SUPPORT CRADLES, RATED AT 1.2 MBH AT 110 F AWT

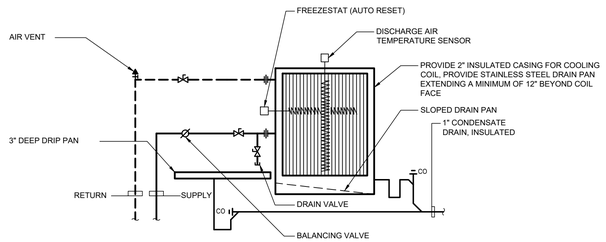


EQUIPMENT LIST

- BT 2 — 50 GALLON BOILER BUDDY
- ET 2 — AMTROL MODEL EX-60 EXPANSION TANK

BASEMENT MECHANICAL ROOM HEAT PUMP PIPING SCHEMATIC

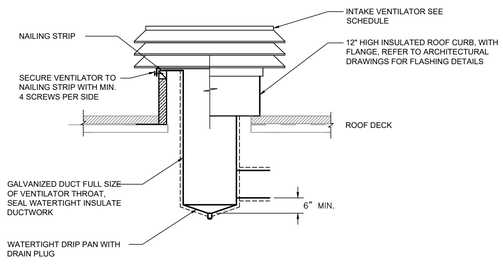
NOT TO SCALE



CHILLED WATER DUCT COIL PIPING DETAIL

NOT TO SCALE

NOTE:
PROVIDE DUCT ACCESS PANELS ON BOTH SIDES OF DUCT COIL TO ALLOW FOR CLEANING AND SERVICE.



ROOF VENTILATOR DETAIL

NOT TO SCALE

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

Engineering Services of Vermont, LLC
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT — DANIEL W. DWYER — NO. 7835 — MECHANICAL — LICENSED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

N

MECHANICAL DETAILS

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	DWD
SCALE:	As indicated

M14

AIR TO WATER HEAT PUMP SCHEDULE

PLAN SYMBOL HP-#

No.	MANUFACTURER	MODEL	AIR CAP CFM	E.S.P. IN. WG.	GPM	W.P.D FT. HD.	COOLING PERFORMANCE DATA (40% PG)							HEATING PERFORMANCE DATA (40%PG)					ELECTRICAL DATA			REMARKS
							EAT(DB) DEG. F	EAT(WB) DEG. F	TOTAL MBH	SENSIBLE MBH	EWT DEG. F	EER	HT. OF REJ. MBH	EAT DEG. F	TOTAL MBH	HT. OF ABS. MBH	EWT DEG. F	COP	VOLTAGE	PHASE	MCA	
HP-1	DAIKIN - SMART SOURCE	WGSH009	300	0.5	2.5	8.1	75	63	10.7	8.3	50	25.9	12.8	70	7.4	5.6	30	3.65	208	1	5.6	SEE NOTE 1
HP-2A	DAIKIN - SMART SOURCE	WGTH019	600	0.75	4.5	11.7	75	63	18.0	12.7	50	25.6	21.4	70	13.0	9.9	30	3.65	208	1	11.1	**SEE NOTE 1**
HP-2B	DAIKIN - SMART SOURCE	WGTH019	600	0.75	4.5	11.7	75	63	18.0	12.7	50	25.6	21.4	70	13.0	9.9	30	3.65	208	1	11.1	**SEE NOTE 1**
HP-3	DAIKIN - SMART SOURCE	WGSH009	300	0.5	2.5	8.1	75	63	10.7	8.3	50	25.9	12.8	70	7.4	5.6	30	3.65	208	1	5.6	SEE NOTE 1
HP-4	DAIKIN - SMART SOURCE	WGSH012	400	0.5	3.0	6.0	75	63	13.1	9.1	50	23.8	15.7	70	9.4	7.1	30	3.57	208	1	6.8	SEE NOTE 1
HP-5	DAIKIN - SMART SOURCE	WGSH007	250	0.5	1.5	4.7	75	63	8.3	5.8	50	24.8	9.9	70	5.7	4.3	30	3.48	208	1	4.7	SEE NOTE 1
HP-6	DAIKIN - SMART SOURCE	WGSH012	400	0.5	3.0	6.0	75	63	13.1	9.1	50	23.8	15.7	70	9.4	7.1	30	3.57	208	1	6.8	SEE NOTE 1
HP-7	DAIKIN - SMART SOURCE	WGSH012	400	0.5	3.0	6.0	75	63	13.1	9.1	50	23.8	15.7	70	9.4	7.1	30	3.57	208	1	6.8	SEE NOTE 1
HP-8	DAIKIN - SMART SOURCE	WGSH007	250	0.5	1.5	4.7	75	63	8.3	5.8	50	24.8	9.9	70	5.7	4.3	30	3.48	208	1	4.7	SEE NOTE 1
HP-9	DAIKIN - SMART SOURCE	WGSH012	400	0.4	3.0	6.0	75	63	13.1	9.1	50	23.8	15.7	70	9.4	7.1	30	3.57	208	1	6.8	SEE NOTE 1
HP-10	DAIKIN - SMART SOURCE	WGSH064	2000	0.7	15.0	6.0	75	63	60.6	43.9	50	23.2	73.0	70	44.4	33.5	30	3.55	208	3	28.0	SEE NOTE 1
HP-11	DAIKIN - SMART SOURCE	WVFW024	800	0.75	6.0	5.5	75	63	23.6	18.1	50	14.9	30.2	70	16.9	12.0	30	3.1	208	3	11.7	SEE NOTE 1
HP-12	DAIKIN - SMART SOURCE	WGSH019	600	0.75	4.5	11.7	75	63	18.0	12.7	50	25.6	21.4	70	13.0	9.9	30	3.65	208	1	11.1	SEE NOTE 1
HP-13	DAIKIN - ENFINITY	WMHW2018	485	0	4.5	5.0	75	63	18.0	10.4	50	29.7	21.0	70	12.0	9.0	30	3.53	208	3	19.5	SEE NOTE 2
HP-14A	DAIKIN - SMART SOURCE	WGTH032	1000	0.75	7.5	8.3	75	63	33.9	34.1	50	23.7	39.2	70	23.5	17.1	30	3.69	208	3	15.9	SEE NOTE 1
HP-14B	DAIKIN - SMART SOURCE	WGTH026	800	0.75	6.0	3.2	75	63	26.6	19.6	50	25.0	31.7	70	17.3	13.1	30	3.74	208	3	10.9	SEE NOTE 1
HP-14C	DAIKIN - SMART SOURCE	WGTH026	800	0.75	6.0	3.2	75	63	26.6	19.6	50	25.0	31.7	70	17.3	13.1	30	3.74	208	3	10.9	SEE NOTE 1
HP-15	DAIKIN - SMART SOURCE	WGSH012	400	0.5	3.0	6.0	75	63	13.1	9.1	50	23.8	15.7	70	9.4	7.1	30	3.57	208	1	6.8	SEE NOTE 1
HP-16	DAIKIN - SMART SOURCE	WGSH015	500	0.75	3.8	8.4	75	63	16.1	11.2	50	26.6	18.2	70	11.5	8.4	30	3.86	208	1	9.8	SEE NOTE 1
HP-17	DAIKIN - SMART SOURCE	WGTH026	800	0.75	6.0	3.2	75	63	26.6	19.6	50	25.0	31.7	70	17.3	13.1	30	3.74	208	3	10.9	SEE NOTE 1
HP-18	DAIKIN - ENFINITY	WMHW2009	355	0	3.0	3.3	75	63	9.6	6.4	50	25.1	12.3	70	6.5	4.9	30	3.56	208	1	4.9	SEE NOTE 2
HP-19	DAIKIN - SMART SOURCE	WGSH015	500	0.75	3.8	8.4	75	63	16.1	11.2	50	26.6	18.2	70	11.5	8.4	30	3.86	208	1	9.8	SEE NOTE 1
HP-20A	DAIKIN - ENFINITY	WMHW2009	355	0	3.0	3.3	75	63	9.6	6.4	50	25.1	12.3	70	6.5	4.9	30	3.56	208	1	4.9	SEE NOTE 2
HP-20B	DAIKIN - ENFINITY	WMHW2009	355	0	3.0	3.3	75	63	9.6	6.4	50	25.1	12.3	70	6.5	4.9	30	3.56	208	1	4.9	SEE NOTE 2
HP-20C	DAIKIN - ENFINITY	WMHW2009	355	0	3.0	3.3	75	63	9.6	6.4	50	25.1	12.3	70	6.5	4.9	30	3.56	208	1	4.9	SEE NOTE 2
HP-23	DAIKIN - ENFINITY	WMHW2009	355	0	3.0	3.3	75	63	9.6	6.4	50	25.1	12.3	70	6.5	4.9	30	3.56	208	1	4.9	SEE NOTE 2

1) PROVIDE UNIT FOR EXTENDED RANGE OPERATION. ALL UNITS TO BE SELECTED WITH 40% PROPYLENE GLYCOL. PROVIDE ECM MOTORS, WITH ALL STANDARD FEATURES AND OPTIONAL PREMIUM SOUND PACKAGE, FACTORY DISCONNECT SWITCH, 2" MERV 13 FILTERS, FACTORY HOSE KIT, MOTORIZED CONTROL VALVES, SUPPLY AND RETURN HOSE KIT, WITH STRAINER AND TWO WAY AUTOMATIC FLOW CONTROL VALVE, INSULATED PIPING, BACNET COMMUNICATION MODULE, HOT GAS DEHUMIDIFICATION, WATER FLOW SWITCH, CONDENSATE HOSE KIT, AND HORIZONTAL SUSPENSION KIT WITH ISOLATORS. PROVIDE WATER ECONOMIZER COIL.
2) PROVIDE UNIT FOR EXTENDED RANGE OPERATION. ALL UNITS TO BE SELECTED WITH 40% PROPYLENE GLYCOL. PROVIDE STANDARD BLOWER MOTOR, WITH ALL STANDARD FEATURES AND 1/2" DISPOSABLE FILTERS, FACTORY DISCONNECT SWITCH, FACTORY HOSE KIT, MOTORIZED CONTROL VALVES, SUPPLY AND RETURN HOSE KIT, WITH STRAINER AND TWO WAY AUTOMATIC FLOW CONTROL VALVE, INSULATED PIPING, SLOPED TOP SUPPLY, BACNET COMMUNICATION MODULE, WATER FLOW SWITCH AND CONDENSATE HOSE KIT.

WATER TO WATER HEAT PUMP SCHEDULE

PLAN SYMBOL HP-#

No.	MANUFACTURER	MODEL	HEATING PERFORMANCE										COOLING PERFORMANCE										ELECTRICAL DATA			REMARKS
			SOURCE SIDE (40% GLYCOL)					LOAD SIDE (WATER)					SOURCE SIDE (40% GLYCOL)					LOAD SIDE (WATER)							
			W.P.D FT. HD.	GPM	EFT DEG. F	TOTAL MBH	HT. OF ABS. MBH	COP	W.P.D FT. HD.	GPM	EWT DEG. F	LWT DEG. F	TOTAL MBH	W.P.D FT. HD.	GPM	EWT DEG. F	TOTAL MBH	REJECTED MBH	COP	W.P.D FT. HD.	GPM	EWT DEG. F	EWT DEG. F	TOTAL MBH	VOLTAGE	PHASE	MCA	
HP-21	WATER FURNACE	NSW025G10RCSS0BN	14.3	7.0	30	21.3	12.7	2.47	3.3	7.0	100	120	21.3	3.3	7.0	30	21.3	29.6	2.47	3.3	7.0	100	120	21.3	208	1	24.1	SEE NOTE 1
HP-22	WATER FURNACE	NSW025G10HCSS0BN	14.3	7.0	30	25.6	14.8	3.12	9.93	4.0	100	110	25.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SEE NOTE 1

NOTES:
1) PROVIDE WITH ALL STANDARD FEATURES INCLUDING STAINLESS STEEL HOSE KIT WITH STRAINER FOR BOTH SIDES AND TWO WAY LOAD SIDE CONTROL VALVE.
2) PROVIDE NEOPRENE ISOLATOR BASE PADS FOR ALL FLOOR MOUNTED UNITS.

CIRCULATOR PUMP SCHEDULE

PLAN SYMBOL P-#

REF. NO.	MANUFACTURER	SERIES	MODEL NO.	MIN. FLOW (GPM)	HEAD (FT. HD.)	MOTOR				REMARKS
						HP	VOLT	PHASE	RPM	
P-1	GRUNDFOS	CRE-DP	32-1-1	180	56	5	208	3	1760	LEAD PUMP 40% PROPLYLENE GLYCOL
P-1A	GRUNDFOS	CRE-DP	32-1-1	180	56	5	208	3	1760	LEAD PUMP 40% PROPLYLENE GLYCOL
P-C1	GRUNDFOS	MAGNA3	32-100 GF	4	20	0.24	208	1	1760	HP-22 LOAD HEATING PUMP TO BUFFER TANK
P-C2	GRUNDFOS	MAGNA3	32-100 GF	4	20	0.24	208	1	1760	HP-22 LOAD HEATING PUMP TO HEATING SYS
P-C4	GRUNDFOS	MAGNA3	32-100 GF	7	25	0.24	208	1	1760	HP-21 LOAD PUMP TO BUFFER TANKS
P-C5	GRUNDFOS	MAGNA3	32-100 GF	7	25	0.24	208	1	1760	HP-21 LOAD PUMP TO COOLING COIL HRU-2
P-C6	GRUNDFOS	MAGNA3	32-100 GF	7	25	0.24	208	1	1760	HP-21 LOAD PUMP TO HEATING COIL HRU-2

NOTES:
1) FOR PUMP P-C2 THROUGH P-C6 PROVIDE SPARE PUMP FOR OWNERS SPARE STOCK.
2) ALL PUMPS TO INCLUDE BACNET INTERFACE CARDS TO INTEGRATE WITH DDC CONTROL SYSTEM
3) PUMPS P-1 AND P-1A TO BE SELECTED FOR 40% PROPYLENE GLYCOL

EXHAUST FAN SCHEDULE

PLAN SYMBOL EF-#

REF. NO.	MANUFACTURER	MODEL NO.	CFM	E.S.P.	TYPE	RPM	MOTOR			REMARKS
							HP	VOLT	PHASE	
EF-1	GREENHECK	SP-A200	200	0.375	CEILING	900	0.45 AMPS	120	1	PROVIDE SPEED CONTROL SWITCH

DIFFUSER-GRILLE-REGISTER-LOUVER SCHEDULE

S = SUPPLY R = RETURN F = FRESH AIR E = EXHAUST L = LOUVER T = TRANSFER

PLAN SYMBOL S-#

No.	MANUFACTURER	SERIES	MODEL	SIZE W.XH.	AIR PATTERN	DAMPER	FINISH	REMARKS
S-1	METAL-AIRE	V4004	V4004	8"X8"	DBL. DEFL.	-	WHITE ENAMEL	SEE NOTES
S-2	METAL-AIRE	V4004	V4004	14"X8"	DBL. DEFL.	-	WHITE ENAMEL	SEE NOTES
S-3	METAL-AIRE	V4004	V4004	6"X6"	DBL. DEFL.	-	WHITE ENAMEL	SEE NOTES
S-4	METAL-AIRE	6000SP	(3) 1" SLOTS	36"LONG	ADJUSTABLE	-	WHITE ENAMEL	SEE NOTES, PROVIDE UP PLENUM WITH CLOSED CELL ILINER
S-5	METAL-AIRE	5000	5000-1	6"X6"	S4	-	WHITE ENAMEL	SEE NOTES
S-6	METAL-AIRE	V4004	V4004	8"X6"	DBL. DEFL.	-	WHITE ENAMEL	SEE NOTES
S-7	METAL-AIRE	V4004	V4004	10"X8"	DBL. DEFL.	-	WHITE ENAMEL	SEE NOTES
S-8	METAL-AIRE	5000	5000-6	6"X6"	S1	-	WHITE ENAMEL	SEE NOTES
S-9	METAL-AIRE	V4004	V4004	14"X10"	DBL. DEFL.	-	WHITE ENAMEL	SEE NOTES
S-10	METAL-AIRE	5000	5000-1	6"X6"	S1	-	WHITE ENAMEL	SEE NOTES
S-11	METAL-AIRE	V4004	V4004	18"X10"	DBL. DEFL.	-	WHITE ENAMEL	SEE NOTES
S-12	METAL-AIRE	5000	5000-6	12"X12"	S4	-	WHITE ENAMEL	SEE NOTES
S-13	METAL-AIRE	5000	5000-6	9"X9"	S4	-	WHITE ENAMEL	SEE NOTES
S-14	METAL-AIRE	5000	5000-1	12"X12"	S2	-	WHITE ENAMEL	SEE NOTES
S-15	METAL-AIRE	V4004	V4004	24"X12"	DBL. DEFL.	-	WHITE ENAMEL	SEE NOTES
S-16	METAL-AIRE	5000	5000-1	9"X9"	S4	-	WHITE ENAMEL	SEE NOTES
S-17	METAL-AIRE	5000	5000-6	15"X15"	S4	-	WHITE ENAMEL	SEE NOTES
E-1	METAL-AIRE	RH	RH-1	12"X8"	FIXED	-	WHITE ENAMEL	SEE NOTES
E-2	METAL-AIRE	RH	RH-1	24"X12"	FIXED	-	WHITE ENAMEL	SEE NOTES
E-3	METAL-AIRE	RH	RH-1	8"X8"	FIXED	-	WHITE ENAMEL	SEE NOTES
R-1	METAL-AIRE	RH	RH-1	12"X8"	FIXED	-	WHITE ENAMEL	SEE NOTES
R-2	MCNICHOLS	PERF. STEEL	3/4" SQUARE	48"X10"	FIXED	-	FIELD PAINTED	1" BOARDER, PRIMED FOR FILED PANTING
R-3	METAL-AIRE	RH	RH-1	20"X20"	FIXED	-	WHITE ENAMEL	SEE NOTES
R-4	METAL-AIRE	RH	RH-1	8"X8"	FIXED	-	WHITE ENAMEL	SEE NOTES
R-5	METAL-AIRE	RH	RH-1	24"X12"	FIXED	-	WHITE ENAMEL	SEE NOTES
R-6	METAL-AIRE	RH	RH-1	24"X16"	FIXED	-	WHITE ENAMEL	SEE NOTES
R-7	METAL-AIRE	RH	RH-6	8"X8"	FIXED	-	WHITE ENAMEL	SEE NOTES
R-8	METAL-AIRE	RH	RH-6	20"X20"	FIXED	-	WHITE ENAMEL	SEE NOTES
R-9	METAL-AIRE	RH	RH-1	18"X10"	FIXED	-	WHITE ENAMEL	SEE NOTES
R-10	METAL-AIRE	RH	RH-6	12"X12"	FIXED	-	WHITE ENAMEL	SEE NOTES
R-11	METAL-AIRE	RH	RH-1	18"X48"	FIXED	-	WHITE ENAMEL	SEE NOTES
R-12	METAL-AIRE	RH	RH-1	12"X12"	FIXED	-	WHITE ENAMEL	SEE NOTES

NOTES:
1) SUBMIT COLOR CHART, ARCHITECT TO SELECT COLOR FOR ALL UNITS.
2) PROVIDE SR NECK WHERE ROUND TAKE-OFF IS SHOWN ON DRAWINGS.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

Engineering Services of Vermont, LLC
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT DANIEL W. DUPRAS NO. 7556 MECHANICAL LICENSED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

N

MECHANICAL SCHEDULES

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	DWD
SCALE:	As indicated

M15

ROOFTOP GOTHERMAL HEAT PUMP UNIT SCHEDULE

REF. NO.	MANUFACTURER	MODEL NO.	SUPPLY FAN SECTION										WATER FLOW (40% PG PROP. GLYCOL		COOLING PERFORMANCE DATA							HEATING PERFORMANCE DATA					EXHAUST FAN SECTION					ELECTRICAL DATA		
			CFM	MAX. OUTPUT VELOCITY (FPM)	RPM	STATIC PRESSURE (IN. W.G.)		MOTOR							EAT(DB) DEG. F	EAT(WB) DEG. F	TOTAL MBH	SENSIBLE MBH	EWT DEG. F	EER	HT. OF REJ. MBH	EAT DEG. F (DB/WB)	TOTAL MBH	HEAT OF ABS. MBH	EWT DEG. F	COP	MOTOR							
						TOTAL	EXT.	VOLTS	HP	PHASE	HZ	GPM	P.D. (FT. HD.)													VOLTS	HP	PHASE	HZ	VOLTAGE	PHASE	MCA
RTU-1	AAON	RNA-009-B-A-GLAOC-00000:00-0ACAH-KCK-00000-AGJBE-DC-CBO-B-00-E0-0-AN0-TM-DA0A-00-000-B00F00-00S00B-000000B	2000	-	1743	2.71	2.0	208	5	3	60	27.0	12.4	76.9	63.3	115.1	59.7	50	20.9	113.4	61.2/49.8	75.5	66.2	30	5.53	208	1	3	60	208	3	53.0

PLAN SYMBOL (RTU)

MODEL	HEAT WHEEL						AIR CAPACITY		REMARKS
	WINTER			SUMMER					
	EAT DEG. F.	LAT DEG. F.	EFFECT. (%)	EAT DEG. F.	LAT DEG. F.	EFFECT. (%)	EXHAUST CFM WHEEL	SUPPLY CFM WHEEL	
ERC-3525C-4M	-12/-13	48.7 / 42.3	73.4	93 / 74	79.4 / 65	75.5	880	880	SEE NOTE 1

NOTES:
1) UNIT TO INCLUDE HEAT WHEEL FOR OUTDOOR AIR, HOT GAS REHEAT COIL, ECONOMIZER AND POWERED EXHAUST, DDC ACTUATORS FOR DAMPER CONTROLS, 115 VOLT CONVENIENCE OUTLET, VFD'S FOR SUPPLY AND EXHAUST MOTORS WITH VFDS. 2" 30% PRE-FILTERS AND 4" MERV 13 FILTERS, CLOGGED FILTER SWITCH, REFRIGERATION SITE GLASS, SINGLE POINT POWER SUPPLY WITH NON-FUSED DISCONNECT SWITCH, SMOKE DETECTORS IN SUPPLY AIR WITH REMOTE SAFETY SHUTDOWN TERMINALS, FIELD INSTALLED DDC CONTROLS WITH ISOLATION RELAYS, 40% PG WATER SOURCE HEAT PUMP, HEAD PRESSURE CONTROL AND WATER FLOW SWITCH, 18" SPRING ISOLATED SOLID BOTTOM INSULATED AND LINED GALVANIZED ROOF CURB, PHASE AND BROWN OUT PROTECTION, COMPRESSOR SOUND CONTROL BLANKETS.

ROOFTOP GOTHERMAL HEAT RECOVERY HEAT PUMP UNIT SCHEDULE

REF. NO.	MANUFACTURER	MODEL NO.	SUPPLY FAN SECTION										WATER FLOW 40% PG PROP. GLYCOL		COOLING PERFORMANCE DATA							HEATING PERFORMANCE DATA					EXHAUST FAN SECTION					ELECTRICAL DATA		
			CFM	MAX. OUTPUT VELOCITY (FPM)	RPM	STATIC PRESSURE (IN. W.G.)		MOTOR							EAT(DB) DEG. F	EAT(WB) DEG. F	TOTAL MBH	SENSIBLE MBH	EWT DEG. F	EER	HT. OF REJ. MBH	EAT DEG. F (DB/WB)	TOTAL MBH	HEAT OF ABS. MBH	EWT DEG. F	COP	MOTOR							
						TOTAL	EXT.	VOLTS	HP	PHASE	HZ	GPM	P.D. (FT. HD.)													VOLTS	HP	PHASE	HZ	VOLTAGE	PHASE	MCA
HRU-1	AAON	RNA-009-B-A-GLAOC-00000:00-0ACAH-KCK-00000-AGJBE-UC-CBO-B-00-E0-0-AN0-TM-JA0A-00-000-B00F00-00S00B-000000B	1685	-	1292	2.0	3.32	208	5.0	3	60	27.0	12.4	79.9	66.0	87.2	54.7	50	23.6	117.4	46.9	76.2	64.3	30	8.05	208	1	3	60	208	3	53.0

PLAN SYMBOL (HRU)

MODEL	HEAT WHEEL						AIR CAPACITY		REMARKS
	WINTER			SUMMER					
	EAT DEG. F.	LAT DEG. F.	EFFECT. (%)	EAT DEG. F.	LAT DEG. F.	EFFECT. (%)	EXHAUST CFM	SUPPLY CFM	
ERC-3625C-4M	-12/-13	46.9/39.8	72.0	93/74	79.8 / 66.0	69.3	1685	1685	SEE NOTE 1

NOTES:
1) UNIT TO INCLUDE HEAT WHEEL FOR OUTDOOR AIR, HOT GAS REHEAT COIL, ECONOMIZER AND POWERED EXHAUST, DDC ACTUATORS FOR DAMPER CONTROLS, 115 VOLT CONVENIENCE OUTLET, VFD'S FOR SUPPLY AND EXHAUST MOTORS WITH VFDS. 2" 30% PRE-FILTERS AND 4" MERV 13 FILTERS, CLOGGED FILTER SWITCH, REFRIGERATION SITE GLASS, SINGLE POINT POWER SUPPLY WITH NON-FUSED DISCONNECT SWITCH, SMOKE DETECTORS IN SUPPLY AIR WITH REMOTE SAFETY SHUTDOWN TERMINALS, FIELD INSTALLED DDC CONTROLS WITH ISOLATION RELAYS, 40% PG WATER SOURCE HEAT PUMP, HEAD PRESSURE CONTROL AND WATER FLOW SWITCH, 18" SPRING ISOLATED SOLID BOTTOM INSULATED AND LINED GALVANIZED ROOF CURB, PHASE AND BROWN OUT PROTECTION, COMPRESSOR SOUND CONTROL BLANKETS.

PLATE HEAT EXCHANGER SCHEDULE

PLAN SYMBOL (HE)

TAG	MANUFACTURER	MODEL	SURFACE AREA	HEATING MODE - BUILDING SIDE (40% PROPLYLENE GLYCOL)				HEATING MODE - WELL SIDE				COOLING MODE - BUILDING SIDE (40% PROPLYLENE GLYCOL)				COOLING MODE - WELL SIDE				REMARKS
				GPM	TEMP IN (°F)	TEMP OUT (°F)	MAX. WPD (PSI)	GPM	TEMP IN (°F)	TEMP OUT (°F)	MAX. WPD (PSI)	GPM	TEMP IN (°F)	TEMP OUT (°F)	MAX. WPD (PSI)	GPM	TEMP IN (°F)	TEMP OUT (°F)	MAX. WPD (PSI)	
HE-1	BELL AND GOSSETT	AP45-81 PLATES	374.15	180	35	39.75	4.86	150	45	39.96	3.44	180	60	50.53	4.89	150	45	55.09	3.45	SEE NOTE 1
HE-2	BELL AND GOSSETT	AP45-81 PLATES	374.15	180	35	39.75	4.86	150	45	39.96	3.44	180	60	50.55	4.89	150	45	55.09	3.45	SEE NOTE 1

NOTES:
1) PROVIDE 10% EXCESS PLATES, 304 STAINLESS STEEL, 0.40MM PLATES, 150 PSIG PRESSURE WITH 150 PSI ANSI FLANGES, FRAME SIZED FOR 162 PLATES, ASME LABELLED, STAINLESS STEEL DRIP PAN, INSULATED JCAKET WITH STAINLESS STEEL SHROUD.

INDOOR HEAT RECOVERY UNIT SCHEDULE

PLAN SYMBOL (HRU)

REF. No.	MANUFACTURER	MODEL	AREA SERVED	SUPPLY & EXHAUST SIDE (TYPICAL OF TWO)												REMARKS
				CFM	MAX. FACE VEL. FPM	RPM	STATIC PRESS. IN. WG.		MOTOR				EFFICIENCY WINTER		EFFICIENCY SUMMER		
							TOT.	EXT.	HP	VOLTS	PHASE	HZ	SENS EFF(%)	TOTAL EFF (%)	SENS EFF(%)	TOTAL EFF (%)	
HRU-2	RENEWAIRE	HE-2XJINH-D15UU--DVF3---L	ORGINAL BUILDING	750	-	1471	-	1.5	1.5	208	1	60	78.9	78.8	78.9	64.6	SEE NOTES 1

NOTES:
1) SUSPEND UNIT FROM STRUCTURE WITH THREADED RODS AND NEOPRENE ISOLATORS. UNIT SHALL BE FURNISHED WITH DOUBLE WALL CONSTRUCTION, MERV-13 FILTERS, FACTORY SUPPLIED FUSED DISCONNECT, VFDS FOR BOTH AIR STREAMS, ENHANCED CONTROLS WITH BACNET INTERFACE AND FILTER MONITORS FOR BOTH AIR STREAMS.

DUCTLESS SPLIT AIR CONDITIONING SYSTEM SCHEDULE

PLAN SYMBOL (INDOORS) (AC) PLAN SYMBOL (OUTDOORS) (AC)

REF. NO.	MANUFACTURER	AREAS SERVED	INDOOR UNIT MODEL NUMBER	OUTDOOR UNIT MODEL NUMBER	CFM	SPEED	MOISTURE REMOVAL (PTS/HR)	SEER	VOLTS	PHASE	AMPS	LIQUID LINE SIZE	SUCTION LINE SIZE	REMARKS
AC-1/CU-1	DIAKIN	SERVER ROOM	FTXS36LVJU	RKS36LVJU	808	HI	1.8	17.9	208	1	19.5	3/8"	5/8"	SEE NOTE 1
AC-2/CU-2	DIAKIN	SERVER ROOM	FTXS36LVJU	RKS36LVJU	808	HI	1.8	17.9	208	1	19.5	3/8"	5/8"	SEE NOTE 1

NOTES:
1) PROVIDE ULTRA LOW AMBIENT COOLING PACKAGE WITH WIND BAFFLE TO ALLOW OPERATION DOWN TO -40 DEG. F PROVIDE REFRIGERANT LINE SET, PROVIDE FACTORY WALL CONTROLLER AND BACNET INTERFACE

ELECTRIC BASEBOARD RADIATION SCHEDULE

PLAN SYMBOL (#)

TYPE	MANUFACTURER	SERIES	LENGTH	VOLTS	PHASE	WATTS/LF	BTUH/LF	REMARKS
A	BERKO	2500	PER PLANS	208	1	250	853	NOTE 1

NOTES:
1) PROVIDE BUILT-IN THERMOSTAT

CHILLED WATER COIL SCHEDULE

PLAN SYMBOL (CC)

No.	MANUFACTURER	MODEL	CFM	ROWS	FPI	SIZE		AIR SIDE			FACE VELOCITY (FPM)	TOTAL MBH	SENS MBH	GPM	WATER SIDE			REMARKS
						HEIGHT	WIDTH	E.A.T. (°F)	L.A.T. (°F)	A.P.D. (" W.G.)					E.W.T. (°F)	L.W.T. (°F)	W.P.D. (FT HD)	
CC-1	GREENHECK	CW58S02H14	750	2	14	12	30	78.2	58.9	0.20	300	19.9	15.9	7.0	45	50.7	1.2	HRU-2 DUCT COIL SEE NOTES

NOTES:
1) PROVIDE ACCESS PANEL AT BOTH SIDES OF COIL.
2) PROVIDE INSULATED DUCT COIL CASING WITH STAINLESS STEEL DRAIN PAN

HEATED AIR CURTAIN SCHEDULE

PLAN SYMBOL (HAC)

REF. NO.	MANUFACTURER	MODEL	MBH	MOTOR HP	KW	CFM	MOTOR			REMARKS
							FLA	VOLT	PH	
HAC-1	POWERED AIRE	CHA-72E	68.3	(2) 3/4	20	2394	62.7	208	3	SEE NOTE 1
HAC-2	POWERED AIRE	CED-1-36E	34.1	(1) 1/2	10	794	29.2	208	3	SEE NOTE 1
HAC-3	POWERED AIRE	CED-1-36E	34.1	(1) 1/2	10	3584	29.2	208	3	SEE NOTE 1

NOTES:
1) PROVIDE MOUNTING BRACKETS, DISCONNECT SWITCH, VARIABLE FREQUENCY DRIVE, CONTROL PANEL AND REMOTE THERMOSTAT WITH DOOR LIMIT SWITCHES.

HOT WATER COIL SCHEDULE

PLAN SYMBOL (HC)

No.	MANUFACTURER	MODEL	CFM	ROWS	FPI	SIZE		AIR SIDE			FACE VELOCITY (FPM)	MBH	GPM	WATER SIDE			REMARKS
						HEIGHT	WIDTH	E.A.T. (°F)	L.A.T. (°F)	A.P.D. (" W.G.)				E.W.T. (°F)	L.W.T. (°F)	W.P.D. (FT HD)	
HC-1	GREENHECK	HW58S02HW58S01B12	750	1	12	12	24	50	77.3	0.12	375	21.6	7.0	120.0	113.8	3.8	HRU-2 DUCT COIL SEE NOTES

NOTES:
1) PROVIDE ACCESS PANEL AT BOTH SIDES OF COIL.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

Engineering Services of Vermont, LLC
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT
DANIEL W. DIPPOLD
NO. 7935
MECHANICAL
LICENSED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

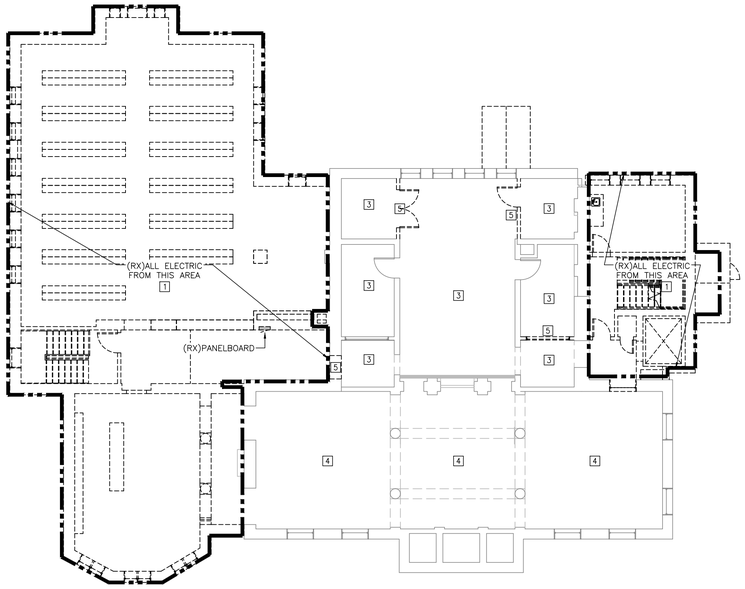
MIDDLEBURY, VERMONT

N

MECHANICAL SCHEDULES

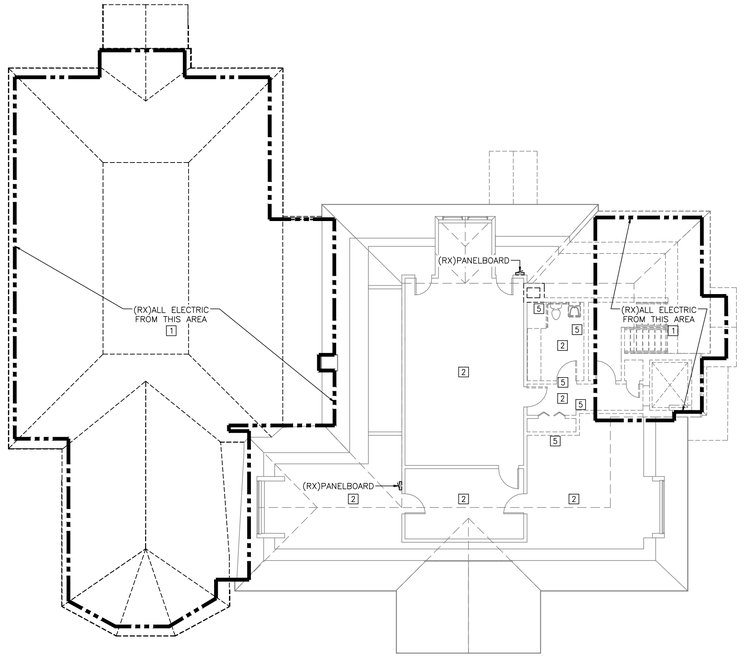
PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	DWD
DRAWN BY:	DWD
SCALE:	As indicated

M16



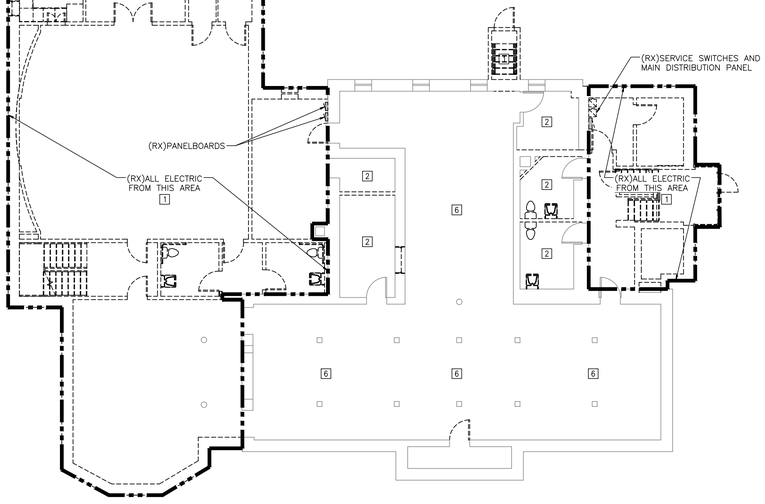
ELECTRICAL DEMOLITION 2ND FLOOR PLAN

SCALE: 3/32" = 1'-0"



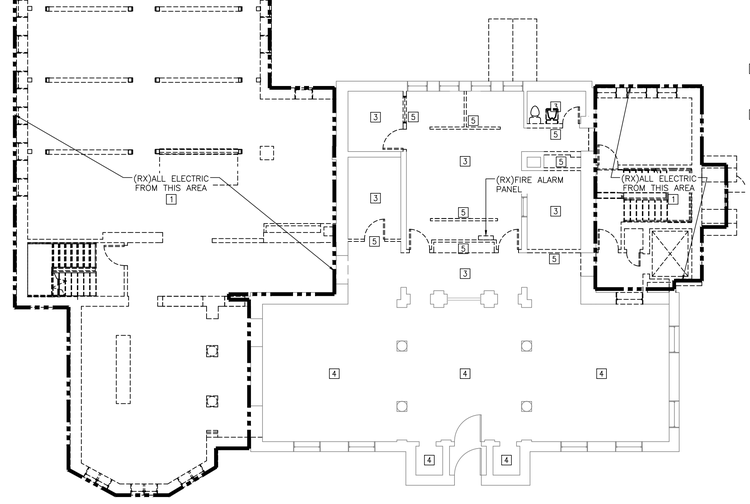
ELECTRICAL DEMOLITION ATTIC PLAN

SCALE: 3/32" = 1'-0"



ELECTRICAL DEMOLITION BASEMENT PLAN

SCALE: 3/32" = 1'-0"



ELECTRICAL DEMOLITION 1ST FLOOR PLAN

SCALE: 3/32" = 1'-0"

GENERAL DEMOLITION NOTES:

1. THESE DEMOLITION NOTES APPLY TO ALL DEMOLITION REQUIRED OF THIS PROJECT AND AS GENERALLY INDICATED ON THE DEMOLITION AND CONSTRUCTION DRAWINGS.
2. ITEMS INDICATED AS EXISTING TO REMAIN ARE SHOWN FOR INFORMATIONAL PURPOSES, ONLY.
3. DEMOLITION AND RELOCATION WORK INDICATED ON THE DRAWINGS IS BASED UPON THE BEST AVAILABLE INFORMATION AS TO THE LOCATION, SIZE AND IDENTIFICATION OF THE EXISTING ELECTRICAL EQUIPMENT, PANELBOARDS, LUMINAIRES, DEVICES AND CIRCUITING. THE ELECTRICAL CONTRACTOR SHALL WALK THROUGH THE DEMOLITION AREAS TO IDENTIFY THE EXACT LOCATION AND ELECTRICAL WORK INVOLVED PRIOR TO BIDDING. MAJOR DEVIATIONS FOUND SHALL BE REPORTED TO THE ENGINEER.
4. REMOVE ALL LUMINAIRES, DEVICES, WIRING AND CONDUIT ON THE WALLS AND CEILINGS TO BE DEMOLISHED. WIRING AND CONDUIT SHALL BE REMOVED TO THE LAST LIVE OUTLET TO REMAIN OR ALL THE WAY TO THE SOURCE, AS NOTED. REWORK AND EXTEND EXISTING CIRCUIT WIRING AND CONDUITS AS NECESSARY TO MAINTAIN POWER TO EXISTING DEVICES AND EQUIPMENT TO REMAIN.
5. THE ELECTRICAL CONTRACTOR SHALL REVIEW MATERIAL AND EQUIPMENT TO BE SALVAGED AT THE BEGINNING OF THE PROJECT WITH THE OWNER AND GENERAL CONTRACTOR. IN GENERAL, ALL MATERIAL NOT REQUESTED TO BE SALVAGED BY THE OWNER SHALL BECOME THE PROPERTY OF THE ELECTRICAL CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO PROVIDE FOR THE PROPER ENVIRONMENTAL DISPOSAL OF THESE MATERIALS.
6. REWORKING EXISTING CIRCUITS, CONNECTING TO EXISTING CIRCUITS OR EXTENDING EXISTING CIRCUITS SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY, ALL PANELBOARDS, SWITCHES, RECEPTACLES, DEVICES, ETC., TO BE USED, WHETHER SHOWN OR NOT SHOWN, SHALL BE TO THE DISCRETION OF THE ELECTRICAL CONTRACTOR AND HIS RESPONSIBILITY TO FIELD VERIFY. MAJOR DEVIATIONS SHALL BE REPORTED TO THE ENGINEER.

DEMOLITION DRAWING NOTES:

1 DISCONNECT AND REMOVE ELECTRICAL EQUIPMENT, LIGHTING, LIGHTING CONTROLS, FIRE ALARM DEVICES, TELECOM DEVICES FROM THIS SPACE AND REMOVE WIRING BACK TO SOURCE TO ALLOW FOR THE COMPLETE DEMOLITION OF THIS PORTION OF THE BUILDING.

2 DISCONNECT AND REMOVE LUMINAIRES AND ASSOCIATED WIRING FROM THIS SPACE. DISCONNECT AND REMOVE RECEPTACLE DEVICES, TELECOM DEVICES AND ASSOCIATED WIRING FROM THIS SPACE. DISCONNECT AND REMOVE ALL FIRE ALARM DEVICES AND ASSOCIATED WIRING FROM THIS SPACE. WIRING SHALL BE REMOVED BACK TO SOURCE OR LAST LIVE OUTLET TO REMAIN.

- RETAIN/MAINTAIN WIRING ROUTED THROUGH THIS SPACE SERVING LIGHTING AND RECEPTACLES THAT TO REMAIN IN OTHER SPACES. RETAIN HOME RUN WIRING FOR REWORK AND EXTENSION TO NEW ELECTRIC PANELS.

3 DISCONNECT AND REMOVE LUMINAIRES AND ASSOCIATED WIRING FROM THIS SPACE. DISCONNECT AND REMOVE ALL FIRE ALARM DEVICES AND ASSOCIATED WIRING FROM THIS SPACE. WIRING SHALL BE REMOVED BACK TO SOURCE OR LAST LIVE OUTLET TO REMAIN.

- RETAIN/MAINTAIN RECEPTACLE DEVICE LOCATIONS AND ASSOCIATED WIRING FOR REUSE, REMOVING THE DEVICES TO ALLOW FOR FOR THEIR REPLACEMENT. RETAIN HOME RUN WIRING FOR REWORK AND EXTENSION TO NEW ELECTRIC PANELS.

4 DISCONNECT AND REMOVE ALL FIRE ALARM DEVICES, TELECOM DEVICES AND ALL ASSOCIATED WIRING FROM THIS SPACE. WIRING SHALL BE REMOVED BACK TO SOURCE OR LAST LIVE OUTLET TO REMAIN.

- RETAIN/MAINTAIN ALL LUMINAIRES, LIGHTING CONTROLS, RECEPTACLE DEVICE LOCATIONS AND ASSOCIATED WIRING, REMOVING RECEPTACLE AND SWITCH DEVICES TO ALLOW FOR FOR THEIR REPLACEMENT. RETAIN HOME RUN WIRING FOR REWORK AND EXTENSION TO NEW ELECTRIC PANELS.

5 DISCONNECT AND REMOVE ALL ELECTRICAL DEVICES FROM THIS WALL TO ALLOW FOR ITS DEMOLITION. ALL ASSOCIATED WIRING SHALL BE REMOVED BACK TO SOURCE OR LAST LIVE OUTLET TO REMAIN.

6 DISCONNECT AND REMOVE LUMINAIRES FROM THIS SPACE, RETAINING CONTROLS CIRCUIT WIRING FOR REUSE. DISCONNECT AND REMOVE RECEPTACLES ON WALLS WHICH ARE TO BE DEMOLISHED, REMOVING WIRING BACK TO LAST LIVE OUTLET TO REMAIN, OTHERWISE, RETAIN RECEPTACLE DEVICE LOCATIONS AND WIRING FOR REUSE, REMOVING THE DEVICES TO ALLOW FOR THEIR REPLACEMENT. DISCONNECT AND REMOVE TELECOM DEVICES AND ASSOCIATED WIRING FROM THIS SPACE. DISCONNECT AND REMOVE ALL FIRE ALARM DEVICES AND ASSOCIATED WIRING FROM THIS SPACE. WIRING SHALL BE REMOVED BACK TO SOURCE OR LAST LIVE OUTLET TO REMAIN.

- RETAIN/MAINTAIN WIRING ROUTED THROUGH THIS SPACE SERVING LIGHTING AND RECEPTACLES THAT TO REMAIN IN OTHER SPACES. RETAIN HOME RUN WIRING FOR REWORK AND EXTENSION TO NEW ELECTRIC PANELS.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services of Vermont, LLC
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT CLAIRE BARTLETT NO. 7469 REGISTERED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

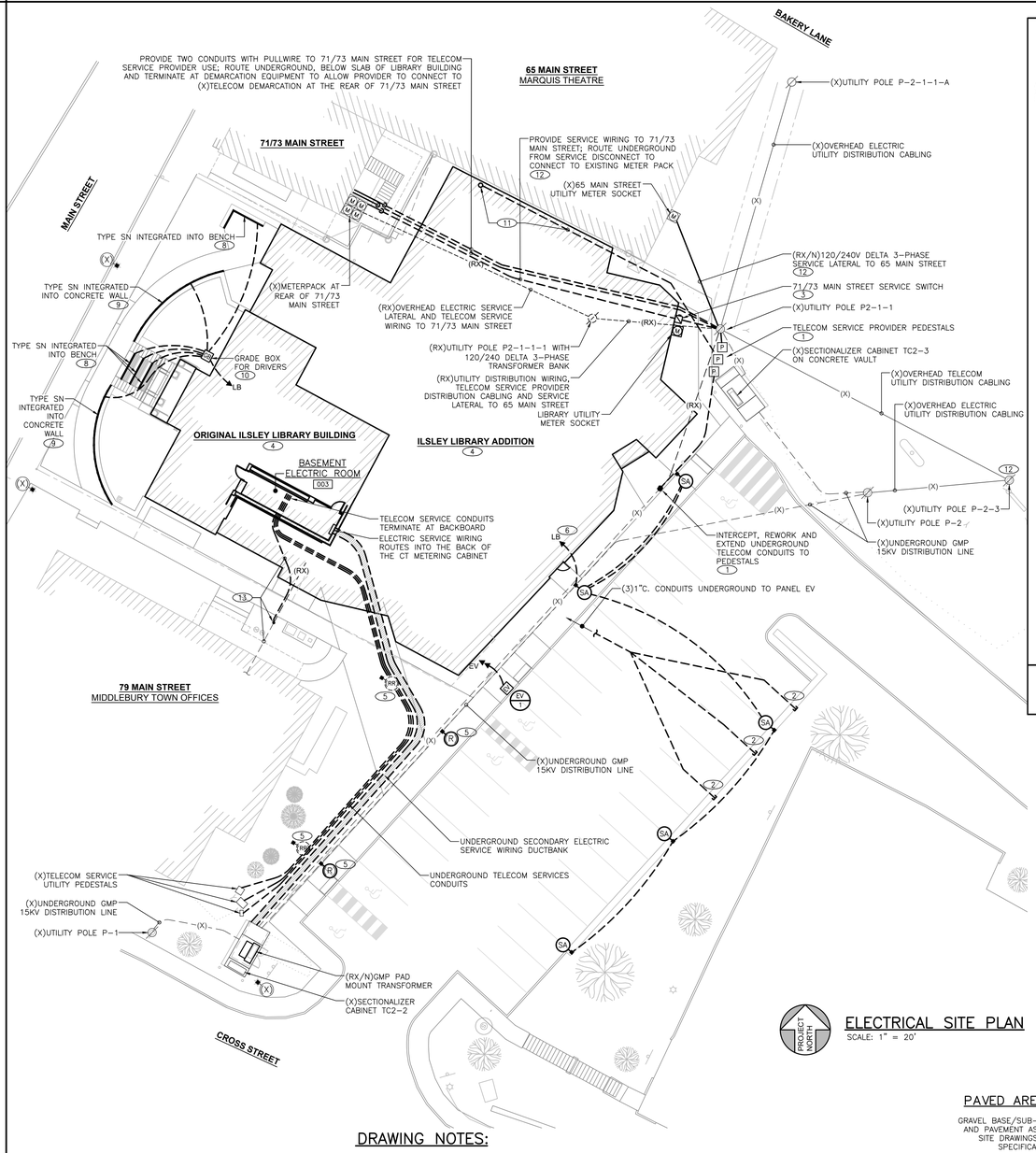
MIDDLEBURY, VERMONT

N

ELECTRICAL DEMOLITION

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	CPB
DRAWN BY:	ESVT
SCALE:	As indicated

ED1.0



ELECTRICAL SITE PLAN

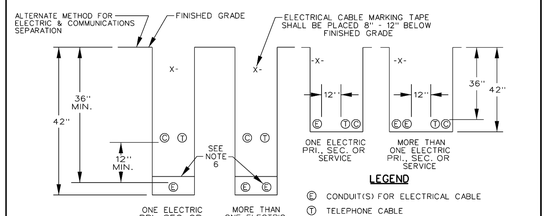
SCALE: 1" = 20'

DRAWING NOTES:

THESE DRAWING NOTES APPLY TO THIS DRAWING, ONLY.

1. INTERCEPT THE THREE EXISTING TELECOM SERVICE PROVIDER CONDUITS, REWORK AND EXTEND TO NEW PEDESTAL LOCATIONS, AND PROVIDE NEW CONDUITS FROM PEDESTALS OVER TO AND STUBBED UP ON POLE P2-1-1. WORK WITH SERVICE PROVIDERS ON SCHEDULING TO MINIMIZE INTERRUPTION OF SERVICES AND THEIR REWORK AND EXTENSION OF CABLING THROUGH THE NEW CONDUITS.
2. 1" CONDUIT WITH PULLWIRE, CAPPED ENDING WITHIN 3' OF THE PARKING SPACES FOR EVC USE (REFER TO GENERAL NOTE 14). CONDUITS TO ROUTE UNDERGROUND TO PANEL EV.
3. PROVIDE LABELING ON SWITCH "71/73 MAIN STREET ELECTRIC SERVICE SWITCH".
4. REFER TO DRAWING E3.1 FOR BUILDING MOUNTED LIGHTING AND CIRCUITING.
5. REMOVE AND RELOCATE EXISTING ACORN STYLE POLE LUMINAIRE. REWORK AND EXTEND WIRING TO NEW LOCATION. REMOVE EXISTING POLE BASE AND PROVIDE GRADE PULLBOX AT THAT LOCATION, AS NECESSARY. REFER TO SPEC FOR BOX IN DRAWING NOTE 10; BOX SIZE 17"x17"x24"H.
6. ROUTE POLE LIGHTING CIRCUIT VIA EXTERIOR LIGHTING CONTROLS.
7. INTERCEPT EXISTING 4" TELECOM CONDUIT BETWEEN MUNICIPAL BUILDING AND LIBRARY, DISCONNECT PULL TELECOM CABLES BACK INTO MUNICIPAL BUILDING. REWORK CONDUIT AND EXTEND TO BACKBOARD IN THE LIBRARY ELECTRICAL ROOM AND INSTALL THREE 1.25" INNER-DUCTS WITH PULLWIRE FOR OWNER'S USE.
8. TYPE SN FLEXIBLE LED STRIP (TAPE LIGHT) IN RECESS IN WOOD BENCH CONSTRUCTION. INSTALL AS PER ARCHITECTS DETAIL. LOCATE DRIVERS IN GRADE BOX.
9. TYPE SN FLEXIBLE LED STRIP (TAPE LIGHT) IN RECESS IN CONCRETE WALL CONSTRUCTION. INSTALL AS PER ARCHITECTS DETAIL. LOCATE DRIVERS IN GRADE BOX.
10. PROVIDE A POLYMER CONCRETE GRADE BOX/PULL BOX FOR LED LIGHTING DRIVERS IN THE GROUND, FLUSH WITH FINISHED GRADE. T15 LOAD RATED, 17"X30"X24"H, STRAIGHT WALL, OPEN BOTTOM, PENTA-HEAD SCREWED TOP. INSTALL ON 12" CRUSHED STONE. BASIS OF DESIGN IS PRODUCTS BY QUAZITE. SUBMIT GRADE BOX PRODUCT INFORMATION FOR APPROVAL.
11. 4" CONDUIT WITH PULLWIRE FROM COMCAST PEDESTAL FOR MCTV SERVICE UNDERGROUND TO BUILDING AND THEN VERTICAL THROUGH BUILDING TO THE SERVER ROOM ON LEVEL 2. PROVIDE A PULLBOX AT LEVEL 1 IN JANITOR 106A FOR PULLING.
12. GREEN MOUNTAIN POWER TO PROVIDE 120/240V THREE PHASE DELTA TRANSFORMER BANK ON EXISTING POLE P-2-3 ON BAKERY LANE AND RUN SECONDARY SERVICE LATERALS FOR 65 MAIN STREET AND 71/72 MAIN STREET OVERHEAD FROM THERE.
13. INTERCEPT EXISTING 4" TELECOM CONDUIT BETWEEN MUNICIPAL BUILDING AND LIBRARY, DISCONNECT PULL TELECOM CABLES BACK INTO MUNICIPAL BUILDING. REWORK CONDUIT AND EXTEND TO BACKBOARD IN THE LIBRARY ELECTRICAL ROOM AND INSTALL THREE 1.25" INNER-DUCTS WITH PULLWIRE FOR OWNER'S USE.

TYPICAL TRENCH CROSS-SECTION U.G. CABLE IN CONDUIT



LEGEND

- (E) CONDUIT(S) FOR ELECTRICAL CABLE
- (T) TELEPHONE CABLE
- (C) TELEVISION CABLE
- X- UNDERGROUND ELECTRICAL CABLE MARKING TAPE

NOTES:

1. ALL TRENCHES AND ELECTRICAL CONDUIT(S) REQUIRE APPROVAL BY UTILITY INSPECTOR BEFORE BACKFILLING.
2. ALL TRENCHES SHALL BE 18 INCH MINIMUM WIDTH. THE CONDUIT SHALL BE EMBEDDED IN UNFROZEN SAND OR FINE GRAVEL, THAT WILL PASS A 1 INCH MESH. THIS MATERIAL SHALL BE A MINIMUM OF 4 INCHES THICK ON ALL SIDES OF THE CONDUIT. THE REMAINDER OF THE BACKFILL SHALL BE CLEAN, AND, SHALL NOT CONTAIN ROCKS LARGER THAN 8 INCHES IN ANY DIMENSION. CAREFULLY COMPACT THE FULL DEPTH OF BACKFILL, UNDER TRAVELLED WAYS AND PARKING LOTS. THE MINIMUM DEPTH, UNDER A HIGHWAY, SHALL BE 48 INCHES RATHER THAN 36 INCHES. MOUNDING THE TRENCH, TO PROVIDE THE REQUIRED DEPTH, IS NOT ALLOWED.
3. CONDUIT SHALL BE ENCASED IN A 4 INCH ENVELOPE OF CONCRETE UNDER THE FOLLOWING CONDITIONS:
   A) BROOK CROSSINGS.
   B) CROSSINGS OF WATER, SEWER, AND GAS PIPELINES. CROSSINGS SHALL BE DONE AT NINETY DEGREES IF POSSIBLE. NORMALLY, THE ELECTRICAL CONDUIT SHALL BE A MINIMUM OF 18 INCHES ABOVE THE PIPE. CAREFULLY COMPACT THE FILL BELOW THE ELECTRICAL CONDUIT. CONCRETE ENCASEMENT IS REQUIRED FOR 10 FEET ON EACH SIDE OF THE PIPE.
   C) UNDER THE TRAVELLED WAY OF CITY STREETS, AND UNDER TOWN HIGHWAYS, IF REQUIRED BY THE TOWN. A PIPE SLEEVE, SURROUNDING THE CONDUIT, MAY BE SUBSTITUTED.
   D) CONDUITS WITHIN 20 FEET OF TANKS CONTAINING FUELS, OR SOLVENTS. THESE TANKS MAY BE ABOVE OR BELOW GRADE. THIS REQUIREMENT DOES NOT APPLY TO URD SERVICES.
4. TRENCHES SHOULD BE LOCATED 10 FEET FROM ANY STRUCTURE, UNLESS THE CONDUIT IS GOING TO THE STRUCTURE. CONTACT THE UTILITY IF CLOSER APPROACHES ARE NECESSARY.
5. TRENCHES SHOULD BE LOCATED 10 FEET FROM ANY WATER, SEWER, OR GAS PIPELINE THAT PARALLELS THE CONDUIT. CONTACT THE UTILITY IF CLOSER APPROACHES ARE NECESSARY.
6. COMMUNICATIONS CABLES AND CONDUITS MAY BE LOCATED IN THE SAME TRENCH WITH ELECTRIC CABLES OR CONDUITS. A MINIMUM HORIZONTAL OR VERTICAL SEPARATION OF 12 INCHES IS REQUIRED. ELECTRICAL CONDUITS SHALL BE SEPARATED BY 4 INCHES. THESE DISTANCES ARE MEASURED SURFACE-TO-SURFACE, NOT CENTER-TO-CENTER.
7. DEPTHS SHALLOWER THAN 36 INCHES MAY BE ALLOWED WHERE OBSTRUCTIONS SUCH AS LEDGE ARE ENCOUNTERED. ANY PORTION OF THE CONDUIT SHALLOWER THAN 24 INCHES SHALL BE COVERED WITH A MINIMUM 2 INCH CONCRETE CAP. SEE THE UTILITY FOR DEPTHS SHALLOWER THAN 12 INCHES.
8. CHECK WITH THE LOCAL UTILITY FOR SPECIFIC REQUIREMENTS.

THIS DETAIL APPLIES TO PRIMARY UNDERGROUND LINE EXTENSION AND UNDERGROUND SERVICE WIRING

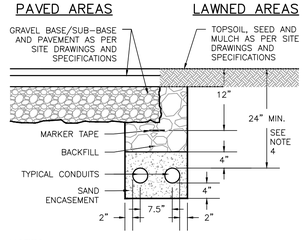
VERMONT UTILITIES ELECTRIC SERVICE REQUIREMENTS

DRAWN: LAW	DATE: 11-11-12
APPRVD: WEV	DATE: 11-11-12
DRAWING No.: 203	PAGE: 1
DATA BASE No.: DTW01893d	

DRAWINGS/STANDARD/VERMONT

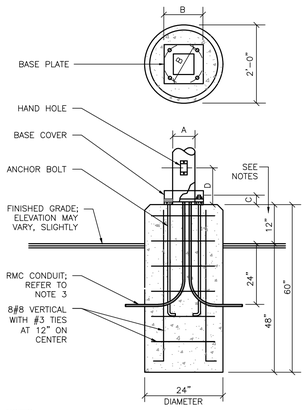
TYPICAL ELECTRICAL DUCTBANK DETAIL

NO SCALE



NOTES:

1. DETAIL IS TYPICAL FOR ALL WIRING THAT IS NOT ELECTRICAL SERVICE POWER WIRING.
2. COMPLY WITH OSHA TRENCH PROTECTION REQUIREMENTS.
3. PROVIDE CONDUIT SPACERS/SADDLES EVERY 6 FEET.
4. BURIAL DEPTH IS SHOWN FOR DIRECT BURIAL PVC RIGID NON-METALLIC CONDUIT. WHERE SPECIFIED BURIAL DEPTH IS NOT POSSIBLE, UTILIZE GALVANIZED STEEL RIGID METALLIC CONDUIT. NOTIFY ENGINEER PRIOR TO ANY CHANGE OF WIRING METHODS.
5. **DETAIL IS TYPICAL INSTALLATION; PROVIDE QUANTITY OF CONDUITS AS REQUIRED FOR THE INSTALLATION AND AS DIRECTED IN THE PLANS AND DETAILS.**



NOTES:

1. SIMILAR FOR ELECTRIC VEHICLE CHARGING STATIONS ("EV") EXCEPT ONLY 6" EXPOSED ABOVE GRADE.
2. REFER TO LIGHT POLE MANUFACTURER FOR A, B, C AND D DIMENSIONS AND ANCHOR BOLT SIZE.
3. CONDUIT/SLEEVES IN BASE SHALL BE 1" GALVANIZED STEEL RIGID METAL CONDUIT (RMC); LIGHTING AND RECEPTACLE CONDUCTORS MAY BE ROUTED IN SAME CONDUIT.
4. PROVIDE RUBBED FINISH ON ALL EXPOSED CONCRETE SPACES.
5. CENTER BASE PLATE/ANCHOR BOLT PATTERN IN CENTER OF CONCRETE BASE.
6. CONTRACTORS OPTION TO PROVIDE PRECAST CONCRETE BASE OF SIMILAR PROPORTION IN LIEU OF SITE-BUILT CONCRETE BASE. IF PRECAST, **PROVIDE PRODUCT INFORMATION SUBMITTAL FOR APPROVAL.**

LIGHT POLE CONCRETE BASE DETAIL

NOT TO SCALE

ELECTRICAL LEGEND:

SEE LUMINAIRE SCHEDULE FOR LUMINAIRE TYPES

PS DT	OCCUPANCY SENSOR LIGHTING CONTROL DEVICE; REFER TO SCHEDULE
DS	DAYLIGHT SENSOR
$	MANUAL SINGLE POLE LIGHTING SWITCH; 3 = 3 WAY; PIR = PASSIVE INFRARED; DT = DUAL TECHNOLOGY; D = DIMMING, LV = LOW VOLTAGE
PE	PHOTOELECTRIC CONTROL SENSOR
	ELECTRICAL PANELBOARD
M	ELECTRIC METER
	HOMERUN TO PANEL INDICATED
	BRANCH CIRCUIT OR FEEDER WIRING
	UNDERGROUND WIRING
	SINGLE RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
U	DUPLEX RECEPTACLE OUTLET WITH 2 USB PORTS
	DUPLEX RECEPTACLE OUTLET, TOP HALF SWITCHED
	DOUBLE-DUPLEX (QUAD) RECEPTACLE OUTLET
	DOUBLE-DUPLEX (QUAD) RECEPTACLE OUTLET TOP HALF SWITCHED
GF	GROUND FAULT PROTECTION RECEPTACLE OUTLET
	SPECIAL OUTLET (AS NOTED ON PLANS)
RH	RANGE HOOD CONNECTION
J	JUNCTION BOX
$M	MOTOR SWITCH
	SAFETY/DISCONNECT SWITCH; PROVIDE RATINGS AND FUSES AS PER SCHEDULES
CP	EQUIPMENT CONTROL PACKAGE; FURNISHED INTEGRAL TO THE EQUIPMENT
	MOTOR
FACP	FIRE ALARM CONTROL PANEL
ANN	FIRE ALARM ANNUNCIATOR PANEL
K	FIRE FIGHTERS KEYBOX
	FIRE ALARM SYSTEM MANUAL PULLSTATION
FS	SPRINKLER SYSTEM FLOW SWITCH
TS	SPRINKLER SYSTEM TAMPER SWITCH
PS	SPRINKLER SYSTEM PRESSURE SWITCH
IM	FIRE ALARM SYSTEM INPUT MODULE
OM	FIRE ALARM SYSTEM OUTPUT MODULE
M	MAGNETIC DOOR HOLDER
S	DUCT MOUNTED SMOKE DETECTOR
S	REMOTE SMOKE DETECTOR TEST SWITCH
S	PHOTOELECTRIC SMOKE DETECTOR
CO	CARBON MONOXIDE DETECTOR
SCO	SMOKE/CARBON MONOXIDE COMBO DETECTOR
H	HEAT DETECTOR
30 H	FIRE ALARM SYSTEM HORN/STROBE WITH CANDELA RATING INDICATED
30	FIRE ALARM SYSTEM STROBE VISUAL SIGNAL WITH CANDELA RATING INDICATED
30	FIRE ALARM STROBE VISUAL SIGNAL, CEILING MOUNTED
	DATA (LAN) DEVICE OUTLET, NUMBER INDICATES NUMBER OF CABLES
WAP	CEILING MOUNTED DATA (LAN) WIRELESS ACCESS POINT, NUMBER INDICATES NUMBER OF CABLES
P	TELECOM SERVICE PROVIDER GRADE PEDESTAL
RACP	RESCUE ASSISTANCE ANNUNCIATOR CONTROL PANEL
RA	RESCUE ASSISTANCE CALL STATION
RA	RESCUE ASSISTANCE CALL STATION
AFF, AFG, AFR	ABOVE FINISH FLOOR, GRADE, ROOF
NL	NIGHT LIGHTING LUMINAIRE, CONNECTED TO UNSWITCHED PORTION OF LIGHTING CIRCUIT
WP	WEATHERPROOF WITH COVER "CLOSED" FOR RECEPTACLES; NEMA 3R FOR ENCLOSURES
CM	CEILING MOUNTED
WM	WALL MOUNTED
TYP	TYPICAL
NTS	NOT TO SCALE
UON	UNLESS OTHERWISE NOTED
(X)	EXISTING, TO REMAIN
(RX)	REMOVE EXISTING
(RR)	REMOVE, RELOCATE
(R)	RELOCATED
(N)	NEW
(F)	FUTURE
MEP1	MECHANICAL EQUIPMENT CONNECTION
EP 1	BUILDING EQUIPMENT CONNECTION

GENERAL NOTES:

THESE GENERAL NOTES APPLY TO ALL ELECTRICAL DRAWINGS.

1. FOLLOW ALL APPLICABLE CODES AND USE GOOD ELECTRICAL CONSTRUCTION PRACTICES WHEN DETERMINING TYPES OF WIRING METHODS AND SIZING OF CONDUCTORS AND CONDUIT. INSTALL ALL POWER, CONTROL AND SIGNAL WIRING USING METHODS AS FOLLOWS:
   1.1. UNDERGROUND: INDIVIDUAL CONDUCTORS INSTALLED IN SCHEDULE 40 PVC RIGID NON-METALLIC CONDUIT (RNC) FOR DIRECT BURIAL; TRANSITION TO GALVANIZED STEEL RIGID METAL CONDUIT (RMC) WHERE CONDUIT RISES TO BE EXPOSED ABOVE GRADE OR CONCRETE SLAB, FROM A MINIMUM 24" BELOW TOP OF FINISHED GRADE OR SLAB. REFER TO TRENCH DETAIL FOR SERVICE ENTRANCE WIRING.
   1.2. EXPOSED, EXTERIOR WIRING: INDIVIDUAL CONDUCTORS IN GALVANIZED STEEL RIGID METALLIC CONDUIT (RMC)
   1.3. CONCEALED FEEDERS AND BRANCH CIRCUITS: MULTI-CONDUCTOR METAL CLAD (TYPE MC) CABLE OR INDIVIDUAL CONDUCTORS IN ELECTRICAL METALLIC TUBING (EMT)
   1.4. EXPOSED BRANCH CIRCUITS AND FEEDERS IN BACK-OF-HOUSE AREAS: INDIVIDUAL CONDUCTORS IN ELECTRICAL METALLIC TUBING (EMT)
   1.4. EXPOSED BRANCH CIRCUITS IN PUBLIC AREAS: INDIVIDUAL CONDUCTORS IN SURFACE METAL RACEWAYS
   1.5. CONNECTIONS TO VIBRATING EQUIPMENT IN DRY LOCATIONS SHALL BE INDIVIDUAL CONDUCTORS IN FLEXIBLE METALLIC CONDUIT (FMC); DAMP OR WET LOCATIONS OR EXTERIOR SHALL BE LIQUID TIGHT FLEXIBLE METALLIC CONDUIT (LTFMC). MAXIMUM 3' LENGTHS.
   1.6. CONTRACTOR SHALL CONSULT WITH ENGINEER REGARDING QUESTIONS REGARDING WIRING METHODS PRIOR TO ROUGH-IN OF WIRING
2. MINIMUM CONDUCTOR SIZE SHALL BE 12 AWG. PROVIDE AN INSULATED GROUND CONDUCTOR WITHIN ALL CABLES AND RACEWAYS.
3. CIRCUITS SHALL BE 20A1P, (2#12, 1#12G) 1/2"C. OR CABLE, UNLESS INDICATED OTHERWISE.
4. MINIMUM 1" CONDUIT UNDERGROUND IN SITE.
5. ALL WIRING SHALL BE ROUTED CONCEALED AND ALL DEVICES AND OUTLETS SHALL BE FLUSH MOUNTED IN FINISHED SPACES, TO THE GREATEST EXTENT POSSIBLE. WHERE WIRING IS ROUTED EXPOSED, IT SHALL BE RUN NEATLY, IN LINE WITH (PERPENDICULAR TO OR PARALLEL TO) BUILDING SURFACES. HORIZONTALLY RUN CABLING WILL BE ROUTED ON CEILING SURFACES, ONLY; EXPOSED WIRING ON WALL SURFACES SHALL BE ROUTED VERTICALLY, ONLY.
6. MOUNT LIGHTING CONTROL SWITCHES 48" ABOVE FINISHED FLOOR, WITHIN 6" OF THE LATCH SIDE OF THE DOOR, UNLESS OTHERWISE INDICATED.
7. ALL LIGHTING LAYOUTS AND EXACT LOCATION OF LUMINAIRES SHALL BE CHECKED AT CONSTRUCTION TIME AND PRIOR TO INSTALLATION WITH OTHER TRADE'S LATEST DRAWINGS AND EQUIPMENT LAYOUTS.
   7.1. VERIFY CEILING CONSTRUCTION AND/OR STRUCTURAL STEEL ARRANGEMENT AND PROVIDE LUMINAIRE TRIM, MOUNTING ACCESSORIES, ETC. APPROPRIATE FOR THE INSTALLATION.
   7.2. FINAL LOCATION OF LUMINAIRES SHALL BE REASONABLY CONDUCIVE TO ACCESS BY THE OWNER FOR ROUTINE MAINTENANCE.
7. LIFE SAFETY LUMINAIRES (EXIT SIGNS, EMERGENCY BATTERY UNITS) SHALL BE PROVIDED LIFE SAFETY POWER FROM THE INVERTER.
8. MOUNT RECEPTACLE DEVICES 24" ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED. MOUNT RECEPTACLE DEVICES SUCH THAT THEY ARE ORIENTED SO THE GROUND IS IN THE "UP" POSITION.
   8.1. ALL GENERAL USE RECEPTACLES SHALL BE TAMPER PROOF TYPE.
   8.2. PROVIDE TOP HALF SWITCHED RECEPTACLES WHERE INDICATED ON PLAN, CONTROLLED VIA SPACE OCCUPANCY SENSOR LIGHTING CONTROL.
   8.3. FLOOR BOXES:
      8.3.1. BASIS OF DESIGN FOR FLOOR BOXES FLUSH IN FLOOR SLAB IS LEGRAND RFBA SERIES, 2 AND 4 GANG, RECESSED ACTIVATION FLOOR BOX. AT LEVEL 2, PROVIDE 2" HIGH CAST IN FLOOR BOX, BASIS OF DESIGN IS LEW ELECTRIC 322-DA-A WITH APPROPRIATE ACTIVATION FOR RECEPTACLE OR CAT6.
      8.3.2. PROVIDE METALLIC ACTIVATION WITH TOP FLUSH WITH FINISHED FLOOR SURACE FOR ALL FLOOR BOXES, FINISH AS SELECTED BY ARCHITECT.
      8.3.3. SUBMIT PRODUCT INFORMATION FOR APPROVAL. DIMENSIONS FOR LOCATIONS AS INDICATED ON DRAWING ARE APPROXIMATE; ADJUST AS NECESSARY FOR ACTUAL CONDITIONS.
   8.4. EXTERIOR BUILDING MOUNT RECEPTACLES SHALL BE WEATHERPROOF WITH WHILE-IN-USE METALLIC COVER. DEVICE BOXES SHALL BE RECESSED SUCH THAT ONLY THE BOX COVER IS PROUD OF THE FACE OF THE WALL. SURFACE MOUNT DEVICE BOXES SHALL NOT BE ALLOWED.
10. PROVIDE ADHESIVE LABELING ON THE BACK OF WALL PLATE AT EACH LINE VOLTAGE (120VAC AND HIGHER) DEVICE INDICATING PANELBOARD AND CIRCUIT.
11. PROVIDE MEMBRANE PROTECTION FOR ALL DEVICE BOXES PENETRATING FIRE RATED WALLS.
    11.1. BASIS OF DESIGN PRODUCT IS 3M FIRE BARRIER MOLDABLE PUTTY PADS MPP+. PROVIDE A SUBMITTAL PRODUCT INFORMATION FOR REVIEW AND APPROVAL.
12. AIR AND VAPOR TIGHT BOXES SHALL BE USED AT EXTERIOR WALLS AND CEILINGS, BELOW ATTIC SPACES, AND ADJACENT TO UNCONDITIONED SPACES. THIS INCLUDES ALL ELECTRICAL BOXES, CABLE BOXES, FIRE SAFETY SYSTEM BOXES, ETC.
13. WHERE MECHANICAL EQUIPMENT IS INDICATED ON PLAN WITHOUT LOCAL DISCONNECT, EITHER IT IS FURNISHED WITH THE EQUIPMENT OR IS INDICATED IN THE EQUIPMENT WIRING DIAGRAM AND EQUIPMENT SCHEDULE. REFER TO MECHANICAL EQUIPMENT SCHEDULE AND WIRING DIAGRAMS FOR CONNECTIONS TO CONTROL DEVICES.
14. **EV CHARGING:** PREPARATION FOR EV CHARGING IS REQUIRED BY THE VERMONT 2024 COMMERCIAL BUILDING ENERGY CODE (2024 CBES).
    14.1. EVSE = ELECTRIC VEHICLE SERVICE EQUIPMENT (ACTUAL EV CHARGING STATIONS.
       14.1.1. 2024 CBES REQUIRES TWO EVSE CHARGING STATIONS.
       14.1.2. ONE DUAL-PORT EV CHARGING STATIONS IS TO BE PROVIDED AS PER SITE PLAN (EV1, INDICATED ON PLAN).
    14.2. EVC = ELECTRIC VEHICLE CAPABLE, WHICH IS PARKING SPACES PREPARED FOR FUTURE EVSE, INCLUDING CAPACITY IN THE ELECTRIC SERVICE, PANELBOARD/CIRCUIT BREAKER SPACE AND CONDUITS WITH PULLWIRE TO WITHIN 3' OF THE PARKING SPACES.
       14.1.1. 2024 CBES REQUIRES SIX EVC PARKING SPACES.
       14.1.2. THREE EVC SHALL BE PROVIDED TO SUPPORT FUTURE DUAL-PORT STATIONS TO SERVE TWO PARKING SPACES, EACH, TO SERVE 6 PARKING SPACES, TOTAL.
15. REFER TO GENERAL NOTES ON E4 SERIES DRAWINGS FOR **ACCESS CONTROL SYSTEM** AND CAMERA **SECURITY SYSTEM** INFORMATION.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

Engineering Services of Vermont, LLC
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT — CLAUDE BARTEMUS — NO. 7469 — REGISTERED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

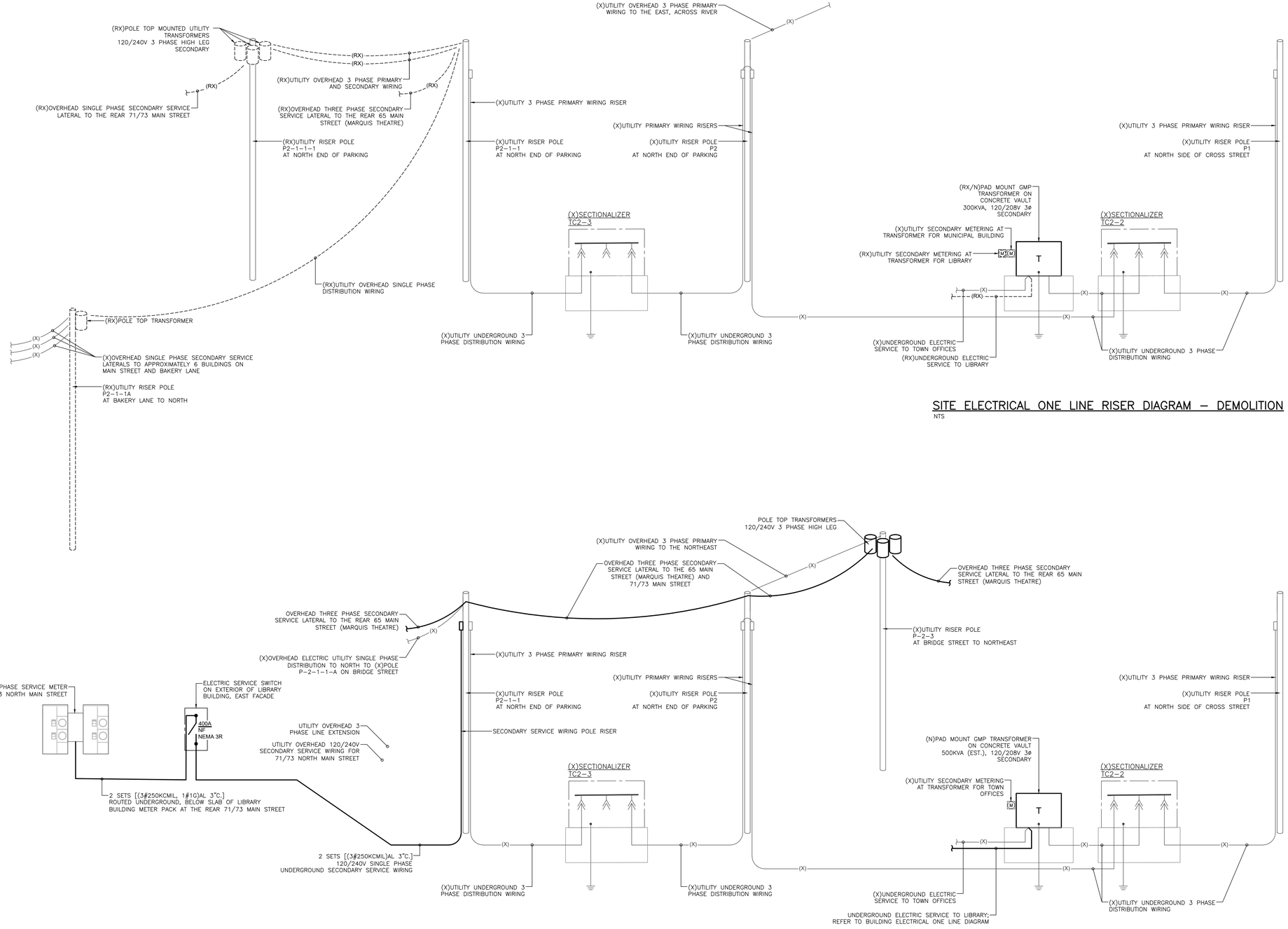
MIDDLEBURY, VERMONT

N

ELECTRICAL SITE PLAN

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	CPB
DRAWN BY:	ESVT
SCALE:	As indicated

E1.0



SITE ELECTRICAL ONE LINE RISER DIAGRAM – DEMOLITION

NTS

SITE ELECTRICAL ONE LINE RISER DIAGRAM

NTS

GENERAL NOTES:

REFER TO DRAWING NOTES ON DRAWING E1.0 WHICH APPLY TO THIS DRAWING, AS WELL AS DRAWING NOTES LISTED, BELOW.

1. THE ELECTRIC UTILITY SERVING THIS PROJECT IS THE GREEN MOUNTAIN POWER (GMP). THE GMP FIELD TECHNICIAN FOR THIS PROJECT IS JONATHAN DIRODI (802-558-7944).
2. REFER TO THE VERMONT UTILITIES SERVICE REQUIREMENTS MANUAL, AVAILABLE ON THE INTERNET AT WWW.GREENMOUNTAINPOWER.COM FOR MATERIALS REQUIREMENTS, DIRECTION FORM THE ELECTRIC POWER UTILITY AND STANDARD INSTALLATION DETAILS. NOTE THAT THERE MAY BE GMP AMENDMENTS TO THE VERMONT UTILITIES SERVICE REQUIREMENTS THAT COULD APPLY TO WORK OF THIS PROJECT.

3. ELECTRIC SERVICE INSTALLATION RESPONSIBILITIES:

3.1. THIS DESCRIPTION OF RESPONSIBILITIES IS TENTATIVE, FOR DESIGN PURPOSES. **ACTUAL ASSIGNMENT OF RESPONSIBILITIES WILL BE BY THE OWNER AND/OR CONSTRUCTION MANAGER. VERIFY RESPONSIBILITIES PRIOR TO BIDDING.**

3.2. GMP RESPONSIBILITIES:

3.2.1. PROVIDE THE POLE TOP TRANSFORMERS ON AN EXISTING UTILITY POLE

3.2.2. PROVIDE FINAL PRIMARY AND SECONDARY WIRING CONNECTIONS TO THE TRANSFORMERS

3.2.3. PROVIDE INSPECTION OF CONTRACTOR INSTALLED ELECTRIC SERVICE MATERIALS AND METHODS

3.2.4. REPLACE EXISTING PAD MOUNT TRANSFORMER AS MAY BE DEEMED NECESSARY BY GMP

3.2. ELECTRICAL CONTRACTOR RESPONSIBILITIES:

3.2.1. ARRANGE A COORDINATION MEETING BETWEEN GMP, THE CONSTRUCTION MANAGER, THE SITE CONTRACTOR THEMSELVES TO REVIEW THE PROJECT PRIOR ANY WORK

3.2.1.1. REVIEW RESPONSIBILITY ASSIGNMENTS AND WHERE EACH PARTIES WORK ENDS AND ANOTHER BEGINS, TO ENSURE THERE ARE NO GAPS IN THE WORK

3.2.1.2. REVIEW CONSTRUCTION DETAILS TO ENSURE ALL PARTIES UNDERSTAND WHAT STANDARDS ARE BEING FOLLOWED, WHAT MATERIALS AND METHODS ARE EXPECTED

3.2.1. SUPPLY MATERIALS FOR CONSTRUCTION OF THE RISERS UP THE POLE BY GMP (SLIP JOINT, CONDULATOR, ONE LENGTH SCHEDULE 80 AND THREE LENGTHS SCHEDULE 40 CONDUIT, ETC.)

3.2.1. SUPPLY SECONDARY LUGS FOR INSTALLATION ON THE SECONDARY OF THE PAD MOUNT TRANSFORMER BY GMP.

3.2.2. PROVIDE SECONDARY SERVICE WIRING TO THE LIBRARY FROM THE TRANSFORMER VAULT

3.2.3. PROVIDE SECONDARY SERVICE WIRING UNDERGROUND FROM POLE TOP TRANSFORMERS TO 71 MAIN STREET METER PACK AND FEEDER WIRING FROM METER PACK TO THE BUILDING

3.2.4. PROVIDE RECONNECTION OF SECONDARY SERVICE LATERAL WIRING TO 65 MAIN STREET MARQUIS THEATER WITH GMP.

3.3. SITE CONTRACTOR RESPONSIBILITIES:

3.3.1. TRENCHING AND BACKFILL FOR THE UNDERGROUND ELECTRICAL DUCTBANKS, BOTH PRIMARY AND SECONDARY

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

Engineering Services of Vermont, LLC
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT
CLAUS BARTENSTEIN
NO. 7469
REGISTERED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

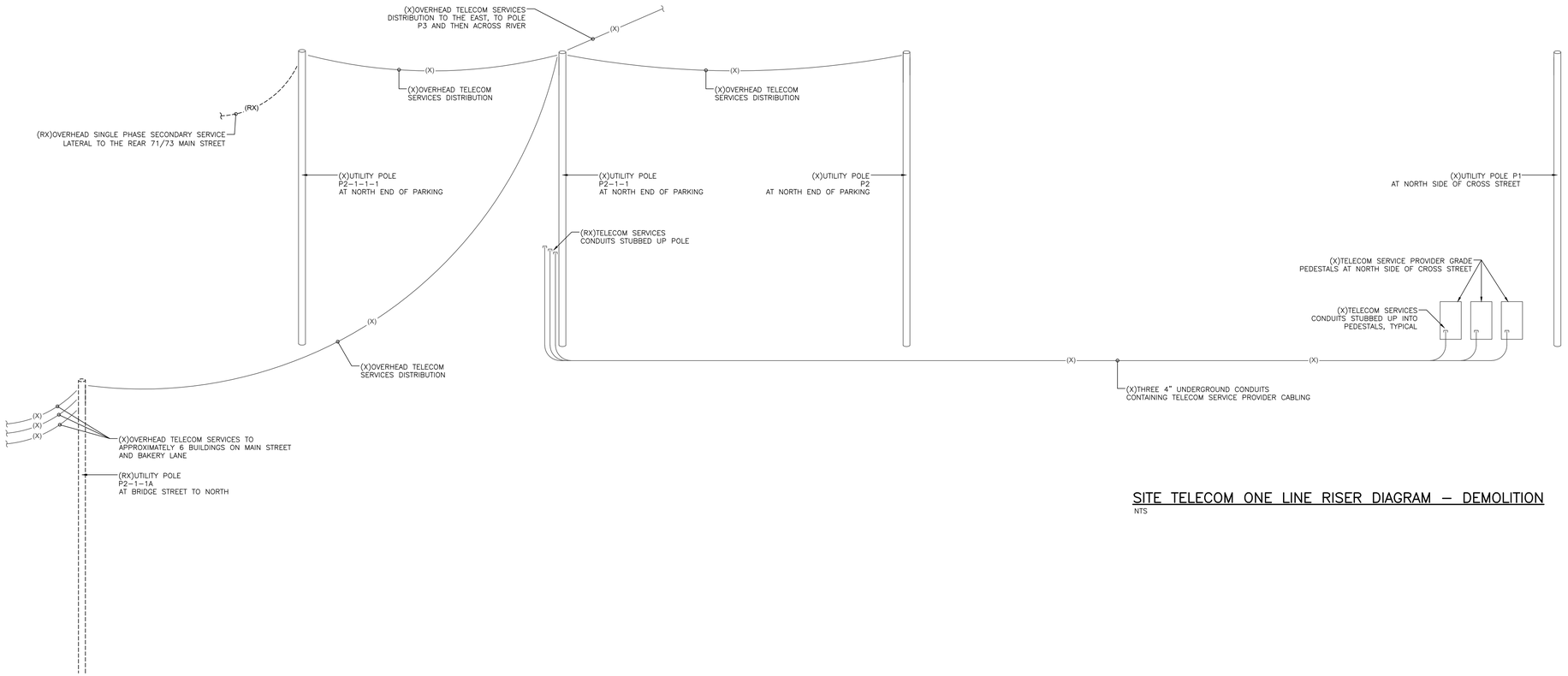
ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

ELECTRICAL POWER SITE RISER DIAGRAM

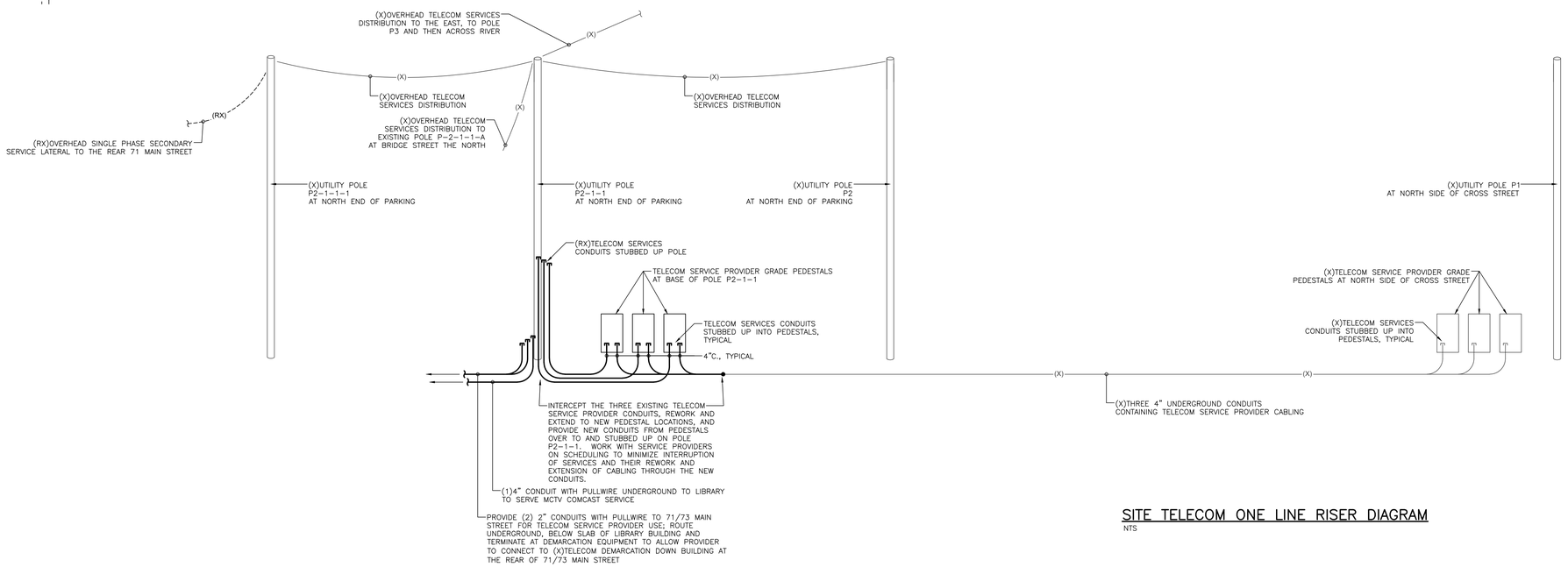
PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	CPB
DRAWN BY:	ESVT
SCALE:	As indicated

E1.1



SITE TELECOM ONE LINE RISER DIAGRAM – DEMOLITION

NTS



SITE TELECOM ONE LINE RISER DIAGRAM

NTS

GENERAL NOTES:

REFER TO DRAWING NOTES ON DRAWING E1.0 WHICH APPLY TO THIS DRAWING, AS WELL AS DRAWING NOTES LISTED, BELOW.

1. TELECOM SERVICE PROVIDERS:

1.1.	COMCAST	JEREMY COTA	(802) 881-9160
1.2.	CONSOLIDATED	TUCKER PETERSON	(802) 747-1071

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services of Vermont, LLC
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT · CHAD BARTENSTEIN · NO. 7469 · REGISTERED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

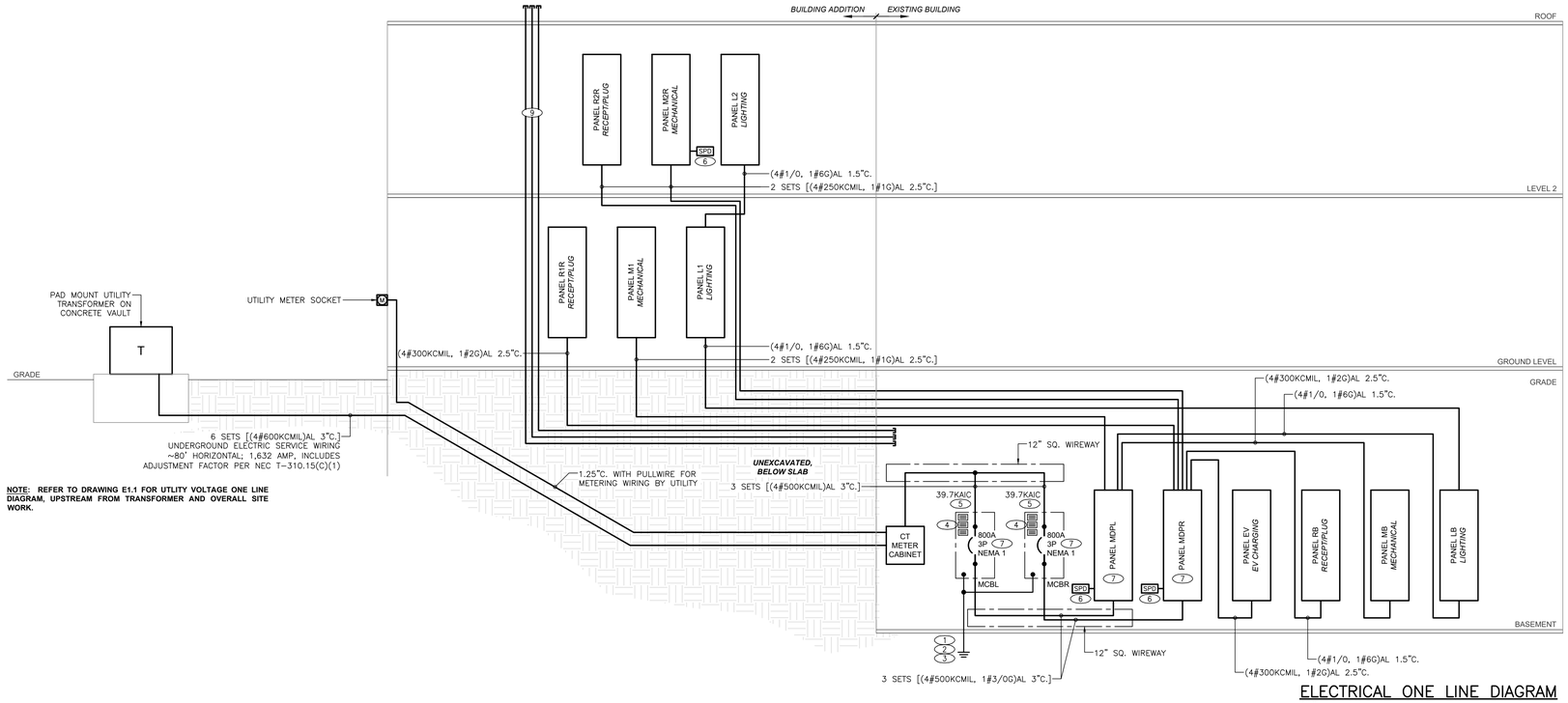
ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

ELECTRICAL TELECOM SITE RISER DIAGRAM

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	CPB
DRAWN BY:	ESVT
SCALE:	As indicated

E1.2



ELECTRICAL ONE LINE DIAGRAM

NTS

SERVICE CONNECTED LOAD: 495KW, 1,375 AMP
SERVICE NEC CALC'D DEMAND: 465KW, 1,293 AMP

NOTE: REFER TO DRAWING E1.1 FOR UTLITY VOLTAGE ONE LINE DIAGRAM, UPSTREAM FROM TRANSFORMER AND OVERALL SITE WORK.

DRAWING NOTES:

THESE DRAWING NOTES APPLY TO THIS DRAWING, ONLY.

1. PROVIDE (1) #3/0 7 STRAND BARE COPPER GROUNDING ELECTRODE CONDUCTOR IN 1" NON-METALLIC RIGID CONDUIT TO THE COLD WATER MAIN METALLIC SERVICE PIPING, BOTH DOMESTIC AND FIRE PROTECTION, AT THE WATER ENTRANCE LOCATION. PROVIDE A #3/0 7 STRAND BARE COPPER BONDING JUMPER AT THE WATER METER TO MAINTAIN GROUNDING CONTINUITY. (NEC 250.52(1), 250.66)
2. PROVIDE (1) #3/0 7 STRAND BARE COPPER GROUNDING ELECTRODE CONDUCTOR IN 1" NON-METALLIC RIGID CONDUIT TO BUILDING STEEL. (NEC 250.52(2), 250.66)
3. PROVIDE (1) #4 7 STRAND BARE COPPER BONDING JUMPER IN 1/2" NON-METALLIC RIGID CONDUIT TO A 1/2" DIAMETER (OR GREATER) MINIMUM 20'-0" LONG CONCRETE ENCASED REINFORCING BAR IN A SLAB OR FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH. MINIMUM 2" CONCRETE ENCASEMENT. WHERE ADEQUATE REINFORCING ROD IS NOT AVAILABLE, PROVIDE 20' OF #4 COPPER CONDUCTOR INSTALLED IN THE CONCRETE, METALLICALLY TIED TO THE METALLIC REINFORCING RODS. (NEC 250.52(3), 250.66(B)).
4. PROVIDE ENGRAVED LABELS:
   1. AVAILABLE FAULT CURRENT AND DATE (2020 NEC 110.24(A)). AVAILABLE FAULT CURRENT INFORMATION SHALL BE MADE AVAILABLE BY THE ENGINEER DURING CONSTRUCTION, PRIOR TO ENERGIZATION OF EQUIPMENT FOLLOWING FINAL COORDINATION WITH THE ELECTRIC UTILITY.
   2. CONDUCTOR COLOR IDENTIFICATION LEGEND
   3. PHASE ROTATION
5. SHORT CIRCUIT CURRENT IS CALCULATED BASED UPON INFINITE AVAILABLE UTILITY SHORT CIRCUIT CURRENT, MOTOR CONTRIBUTIONS, ESTIMATED 500KVA UTILITY TRANSFORMER WITH 2.5% IMPEDANCE.
6. PROVIDE A SURGE PROTECTIVE DEVICE. CONNECT TO A 40A3P CIRCUIT BREAKER; WIRING SHALL BE (4#6, 1#10G) 3/4"C. LOCATE SURGE SUPPRESSION DEVICE ADJACENT TO THE PANEL. PROVIDE SQUARE D #TVS-IMA WITH COUNTER OR APPROVED EQUAL; 120/208V, 3 PHASE, 4 WIRE, 240KA PEAK SURGE CURRENT PER PHASE IN A NEMA 1 ENCLOSURE.
   - LOCATE SPD IN SWITCHBOARD OR PANELBOARD, OTHERWISE, LOCATE WITHIN 18" OF EQUIPMENT TO MINIMIZE WIRING LENGTH.
7. SERIES RATE SERVICE CIRCUIT BREAKERS WITH DOWNSTREAM CIRCUIT BREAKERS IN PANELS MDPL, MDPR TO ALLOW CIRCUIT BREAKERS IN MDPL, MDPR AND ALL EQUIPMENT DOWNSTREAM TO HAVE 10KAIC RATING.
8. LIMITED CEILING HEIGHT IN THE ELECTRIC ROOM IN THE BASEMENT OF THE EXISTING BUILDING; ~8' CLEAR. PANELBOARDS MDPL AND MDPR ARE SPECIFIED BASED ON HEIGHT OF THE EQUIPMENT, AND MOUNTING THE EQUIPMENT AT 78" AFF TO TOP, ABOVE THE 12" SQ. WIREWAY TO HAVE ADEQUATE SPACE FOR FEEDER WIRING TO EXIST THE EQUIPMENT.
9. PROVIDE (3) 3" CONDUITS WITH PULLWIRE FROM ELECTRIC ROOM TO ROOF FOR POTENTIAL FUTURE ROOFTOP PV SOLAR. CAP WATER TIGHT.

GENERAL NOTES:

REFER TO GENERAL NOTES ON DRAWING E1.0 WHICH APPLY TO THIS DRAWING, AS WELL AS GENERAL NOTES WHICH FOLLOW.

1. REFER TO RELATED INFORMATION ON THE UTILITY VOLTAGE ONE LINE DIAGRAM, DRAWING E1.1.
2. THE ELECTRIC UTILITY SERVING THIS PROJECT IS THE GREEN MOUNTAIN POWER (GMP). CONTACT PERSON IS JONATHAN DIRODI DISTRIBUTION DESIGNER (802-5587944).
3. REFER TO THE VERMONT UTILITIES SERVICE REQUIREMENTS MANUAL, AVAILABLE ON THE INTERNET AT WWW.GREENMOUNTAINPOWER.COM FOR MATERIALS REQUIREMENTS, DIRECTION FORM THE ELECTRIC POWER UTILITY AND STANDARD INSTALLATION DETAILS. NOTE THAT THERE MAY BE BED AMENDMENTS TO THE VERMONT UTILITIES SERVICE REQUIREMENTS THAT COULD APPLY TO WORK OF THIS PROJECT.
4. **ELECTRIC SERVICE INSTALLATION RESPONSIBILITIES:**
   - 4.1. THIS DESCRIPTION OF RESPONSIBILITIES IS TENTATIVE, FOR DESIGN PURPOSES. **ACTUAL ASSIGNMENT OF RESPONSIBILITIES WILL BE BY THE CONSTRUCTION MANAGER. VERIFY RESPONSIBILITIES PRIOR TO BIDDING.**
   - 4.2. GMP RESPONSIBILITIES:
     - 4.2.1. INSTALLATION AND CONNECTION OF MEDIUM VOLTAGE CONDUCTORS IN UNDERGROUND THREE PHASE LINE EXTENSION DUCTBANK (REFER TO DRAWING E2)
     - 4.2.2. PROVIDE TRANSFORMER ON CONCRETE VAULT
     - 4.2.3. FINAL SECONDARY WIRING CONNECTIONS TO THE PAD MOUNT TRANSFORMER
     - 4.2.4. INSPECTION OF ALL CONTRACTOR INSTALLED ELECTRIC SERVICE MATERIALS AND METHODS
     - 4.2.5. COORDINATION OF METERING REQUIREMENTS WITH CONTRACTOR
   - 4.3. ELECTRICAL CONTRACTOR RESPONSIBILITIES:
     - 4.3.1. COORDINATION BETWEEN GMP, THE SITE CONTRACTOR AND THEMSELVES
     - 4.3.2. PROVIDE UNDERGROUND THREE PHASE LINE EXTENSION DUCTBANK FROM EXISTING GMP STRUCTURE TO TRANSFORMER.
     - 4.3.3. SUPPLY TRANSFORMER VAULT FOR INSTALLATION BY SITE CONTRACTOR; GMP STANDARD K30.3 PRECAST VAULT
     - 4.3.4. TRANSFORMER GROUNDING PER GMP REQUIREMENTS
     - 4.3.5. COMPLETE SECONDARY WIRING FROM THE TRANSFORMER TO THE BUILDING SERVICE OVER-CURRENT DEVICE DISCONNECTION SWITCH.
     - 4.3.6. COORDINATE METERING REQUIREMENTS WITH GMP AND PROVIDE METERING MATERIALS AS MAY BE REQUIRED.
     - 4.3.7. ELECTRICAL CONTRACTOR SHALL BE PRESENT AND MONITOR THE BACK FILLING OF BOTH PRIMARY AND SECONDARY WIRING DUCTBANKS BY THE SITE CONTRACTOR
   - 4.4. SITE CONTRACTOR RESPONSIBILITIES:
     - 4.4.1. TRENCHING AND BACKFILL FOR THE UNDERGROUND ELECTRICAL DUCTBANK.
     - 4.4.2. EXCAVATION, INSTALLATION AND BACKFILL FOR TRANSFORMER VAULT(S)
5. PANELBOARD CIRCUIT BREAKER ABBREVIATIONS:

   G = 5MA GFCI GROUND FAULT PROTECTION INTEGRAL TO THE CIRCUIT BREAKER
   E = 30MA GFCI EQUIPMENT GROUND FAULT PROTECTION INTEGRAL TO THE CIRCUIT BREAKER
   A = ARC FAULT PROTECTION INTEGRAL TO THE CIRCUIT BREAKER
   LO = PROVIDE LOCK OPEN (OFF) CLIP FOR THIS CIRCUIT BREAKER
   LC = PROVIDE LOCK CLOSED (ON) CLIP FOR THIS CIRCUIT BREAKER

TYPE : SQUARE D I-LINE, HCP, 45° SPACE (8)
DIMENSIONS : 42"W x 9.5"D x 59"H
MOUNTING : SURFACE
PANEL FEED : BOTTOM

PANEL MDPL
THREE PHASE PANEL

VOLTAGE : 120/208V, 3Ø, 4W
MAINS : 1200 AMP MLO
A.I.C. RATING : 10,000
LUGS SIZE : SEE ONE LINE DIAGRAM

DESCRIPTION	CONNECTED LOAD (VA) A	B	C	BKR	PHASE A B C	BKR	CONNECTED LOAD (VA) A	B	C	DESCRIPTION
(F)SOLAR PV TIE-IN MAXIMUM 150KW	-		-	150/3	1 ● 2	-/3	-		-	*PREPARED SPACE MAXIMUM AMP POSSIBLE BASED ON AVAILABLE SPACE*
		-			3 ● 4			-		
					5 ● 6					
PREPARED SPACE *MAXIMUM AMP POSSIBLE BASED ON AVAILABLE SPACE*	-		-	-/3	7 ● 8	-/3			-	PREPARED SPACE *MAXIMUM AMP POSSIBLE BASED ON AVAILABLE SPACE*
		-			9 ● 10					
					11 ● 12					
PANEL EV - EV CHARGING	6400			225/3	13 ● 14	200/3	13680			GP1 - GEOTHERMAL WELL PUMP
		6400			15 ● 16			13680		
			6400		17 ● 18				13680	***NOT YET SELECTED; WELLS NOT YET LOCATED***
PANEL MB - HVAC	11730			225/3	19 ● 20	400/3	25430			PANEL M1 - HVAC
		11730			21 ● 22			25430		
			11730		23 ● 24				25430	
PANELS LB, L1, L2 - LIGHTING	3940			100/3	25 ● 26	40/3	-			SPD - SURGE PROTECTIVE DEVICE
		3940			27 ● 28			-		
			3940		29 ● 30				-	
TOTALS:	-	-	-				-	-	-	

MAXIMUM PANEL CAPACITY: 288 KVA 800 AMPS
ESTIMATED CONNECTED LOAD: 225 KVA 624 AMPS

TYPE : SQUARE D I-LINE, HCP, 45° SPACE (8)
DIMENSIONS : 42"W x 9.5"D x 59"H
MOUNTING : SURFACE
PANEL FEED : BOTTOM

PANEL MDPR
THREE PHASE PANEL

VOLTAGE : 120/208V, 3Ø, 4W
MAINS : 1200 AMP MLO
A.I.C. RATING : 10,000
LUGS SIZE : SEE ONE LINE DIAGRAM

DESCRIPTION	CONNECTED LOAD (VA) A	B	C	BKR	PHASE A B C	BKR	CONNECTED LOAD (VA) A	B	C	DESCRIPTION
PREPARED SPACE *MAXIMUM AMP POSSIBLE BASED ON AVAILABLE SPACE*	-		-	-/3	1 ● 2	-/3	-		-	PREPARED SPACE *MAXIMUM AMP POSSIBLE BASED ON AVAILABLE SPACE*
		-			3 ● 4			-		
					5 ● 6				-	
PREPARED SPACE *MAXIMUM AMP POSSIBLE BASED ON AVAILABLE SPACE*	-		-	-/3	7 ● 8	200/3	13680			GP2 - GEOTHERMAL WELL PUMP
		-			9 ● 10			13680		
			-		11 ● 12				13680	***NOT YET SELECTED; WELLS NOT YET LOCATED***
ELV1 - ELEVATOR	5520			60/3	13 ● 14	225/3	12210			PANEL R2 - PLUG LOADS
		5520			15 ● 16			12210		
			5520		17 ● 18				12210	
PANEL R1 - PLUG LOADS	11250			225/3	19 ● 20	225/3	27970			PANEL M2 - HVAC
		11250			21 ● 22			27970		
			11250		23 ● 24				27970	
PANEL RB - PLUG LOADS	5890			100/3	25 ● 26	40/3	-			SPD - SURGE PROTECTIVE DEVICE
		5890			27 ● 28			-		
			5890		29 ● 30				-	
TOTALS:	-	-	-				-	-	-	

MAXIMUM PANEL CAPACITY: 288 KVA 800 AMPS
ESTIMATED CONNECTED LOAD: 271 KVA 752 AMPS

ELECTRICAL MONITORING SYSTEM:

PROVIDE POWER AND ENERGY MONITORING FOR THE BUILDING TO THE REQUIREMENTS OF 2024 COMMERCIAL BUILDING ENERGY STANDARD (C405.12), AS A MINIMUM. MONITORING SHALL PROVIDE INFORMATION ON ENERGY USE FOR LIGHTING, HVAC SYSTEMS, PLUG LOADS, EV CHARGING EQUIPMENT AND ELEVATOR AND SHALL BE AVAILABLE FOR REVIEW BY BUILDING FACILITIES PERSONNEL. PROVIDE MONITORING OF THE FOLLOWING POINTS:

- MAIN BUILDING SERVICE AT MAIN DISTRIBUTION PANELS MDPL AND MDPR
- LIGHTING: FEEDERS TO EACH OF PANELS LB, L1 AND L2 AS WELL AS THE FEEDER TO INVERTER INV1.
- HVAC: FEEDERS TO EACH OF PANELS MB, M1 AND M2.
- PLUG LOADS: FEEDERS TO EACH OF PANELS RB, R1 AND R2.
- FEEDER TO ELEVATOR.

END USE DATA CATEGORIES ARE LIGHTING, HVAC, PLUGLOADS AND ELEVATORS.

SYSTEM SHALL STORE THE DATA FOR A MINIMUM OF 36 MONTHS AS WELL AS CAPABILITY TO STORE REAL-TIME ENERGY CONSUMPTION DATA AND TO PROVIDE HOURLY, DAILY, MONTHLY AND YEARLY LOGGED DATE FOR EACH END OF USE CATEGORY FOR THAT PREVIOUS 36 MONTHS.

PROVIDE A PERMANENT READILY ACCESSIBLE WEB BASED REPORTING MECHANISM FOR USE BY THE BUILDING OPERATION AND MANAGEMENT PERSONNEL. THE REPORTING MECHANISM SHALL HAVE THE CAPABILITY TO GRAPHICALLY PROVIDE THE ENERGY CONSUMPTION FOR EACH END USE CATEGORY HOURLY, DAILY, MONTHLY AND YEARLY LOGGED DATE FOR EACH END OF USE CATEGORY FOR THAT PREVIOUS 36 MONTHS.

BASIS OF DESIGN FOR THE MONITORING SYSTEM IS PRODUCTS OF EGAUGE. PROVIDE THREE EGAUGE "PRO" FOR CONNECTIONS OF UP TO THIRTY CT'S PER EACH EGAUGE UNIT. EACH UNIT MOUNTED IN AN EGAUGE POWERED ENCLOSURE KIT CONSISTING OF ENCLOSURE, DIN RAILS, RECEPTACLE, POWER DISTRIBUTION BLOCK AND WIRE SET.

SYSTEM WILL REQUIRE A 15A3P CONNECTION (PANEL MB) TO THE PANEL (3#12, 1#12N, 1#12G) 1/2"C., 20A1P POWER CONNECTION TO RECEPTACLE AND CAT6 ETHERNET CONNECTION BACK TO PATCH PANEL.

PROVIDE A COMPLETE SYSTEM, INCLUDING ALL NECESSARY PARTS AND ACCESSORIES, AS WELL AS SET UP OF WEB-BASED MONITORING ON OWNER'S COMPUTER, THIS CONTRACTOR SHALL INCLUDE A MINIMUM OF 2 HOURS MANUFACTURER SUPPORT FOR PURPOSES OF SETTING UP THE SYSTEM.

LOCATE CURRENT TRANSFORMERS AT PANELS IN ELECTRIC ROOM, TO THE GREATEST EXTENT POSSIBLE.

LOCATE EQUIPMENT IN THE ELECTRICAL ROOM.

SUBMIT ALL PRODUCT INFORMATION FOR APPROVAL. SUBMITTAL SHALL BE BROKEN DOWN BY BUILDING, WITH OVERALL SYSTEM DIAGRAM, QUANTITIES OF DEVICES AND EQUIPMENT TO INCLUDE BREAKDOWN OF QUANTITIES AND RATINGS OF CURRENT TRANSFORMER EQUIPMENT FOR LOADS.

TYPE : SQUARE D NQ
DIMENSIONS : 20"W x 5.75"D x 26"H
MOUNTING : SURFACE
PANEL FEED : BOTTOM

PANEL LB
THREE PHASE PANEL

VOLTAGE : 120/208V, 3Ø, 4W
MAINS : 100A MLO
A.I.C. RATING : 10,000
LUGS SIZE : SEE ONE LINE DIAGRAM

DESCRIPTION	CONNECTED LOAD (VA) A	B	C	BKR	PHASE A B C	BKR	CONNECTED LOAD (VA) A	B	C	DESCRIPTION
LTG - BASEMENT	850			20/1	1 ● 2	20/1	60			LTG - EXTERIOR BENCH, WALL
LIGHTING CONTROL POWER		100		20/1	3 ● 4	20/2		200		LTG - EXTERIOR EAST POLES
SPARE			-	20/1	5 ● 6				200	
SPARE	-			20/1	7 ● 8	20/1	230			LTG - EXTERIOR BLDG MTD
SPARE		-		20/1	9 ● 10	20/1		-		SPARE
SPARE			-	20/1	11 ● 12	20/1			-	SPARE
SPARE	-			20/1	13 ● 14	20/1	-			SPARE
SPARE		-		20/1	15 ● 16	20/1		-		SPARE
SPARE			-	20/1	17 ● 18	20/1			-	SPARE
TOTALS:	-	-	-				-	-	-	

MAXIMUM PANEL CAPACITY: 36 KVA 100 AMPS
ESTIMATED CONNECTED LOAD: 1.5 KVA 4.3 AMPS
PROVIDE FEED-THROUGH LUGS TO SERVE PANEL LP1

TYPE : SQUARE D NQ
DIMENSIONS : 20"W x 5.75"D x 26"H
MOUNTING : SURFACE
PANEL FEED : BOTTOM

PANEL L1
THREE PHASE PANEL

VOLTAGE : 120/208V, 3Ø, 4W
MAINS : 100A MLO
A.I.C. RATING : 10,000
LUGS SIZE : SEE ONE LINE DIAGRAM

DESCRIPTION	CONNECTED LOAD (VA) A	B	C	BKR	PHASE A B C	BKR	CONNECTED LOAD (VA) A	B	C	DESCRIPTION
LTG - SKY LIGHT, BENCH TAPE	260			20/1	1 ● 2	20/1	930			LTG - CHILDREN'S COLLECTION
LTG - CORRIDOR TAPE LIGHT		320		20/1	3 ● 4	20/1		660		LTG - HISTORIC, STAIR C
LTG - COMM ROOM, STAIR B			1290	20/1	5 ● 6	20/1			630	LTG - CENTER EAST
LTG - EXTERIOR SPARE	-			20/1	7 ● 8	20/1	1670			LTG - ATRIUM, CTR WEST, STAIR A
SPARE		-		20/1	9 ● 10	20/1		100		LIGHTING CONTROL POWER
SPARE			-	20/1	11 ● 12	20/1			-	SPARE
SPARE	-			20/1	13 ● 14	20/1	-			SPARE
SPARE		-		20/1	15 ● 16	20/1		-		SPARE
SPARE			-	20/1	17 ● 18	20/1			-	SPARE
TOTALS:	-	-	-				-	-	-	

MAXIMUM PANEL CAPACITY: 36 KVA 100 AMPS
ESTIMATED CONNECTED LOAD: 5.8 KVA 16 AMPS
PROVIDE FEED-THROUGH LUGS TO SERVE PANEL LP2

TYPE : SQUARE D NQ
DIMENSIONS : 20"W x 5.75"D x 26"H
MOUNTING : SURFACE
PANEL FEED : BOTTOM

PANEL L2
THREE PHASE PANEL

VOLTAGE : 120/208V, 3Ø, 4W
MAINS : 100A MLO
A.I.C. RATING : 10,000
LUGS SIZE : SEE ONE LINE DIAGRAM

DESCRIPTION	CONNECTED LOAD (VA) A	B	C	BKR	PHASE A B C	BKR	CONNECTED LOAD (VA) A	B	C	DESCRIPTION
LTG - TERRACE LIGHTING	310			20/1	1 ● 2	20/1	1040			LTG - NORTHWEST
LTG - ATTIC		200		20/1	3 ● 4	20/1		1760		LTG - CENTER ADULT COLLECT
LTG - LANDING/CIRCULATION			380	20/1	5 ● 6	20/1			820	LTG - SOUTHEAST & HISTORIC
SPARE	-			20/1	7 ● 8	20/1	100			LIGHTING CONTROL POWER
SPARE		-		20/1	9 ● 10	20/1		-		SPARE
SPARE			-	20/1	11 ● 12	20/1			-	SPARE
SPARE	-			20/1	13 ● 14	20/1	-			SPARE
SPARE		-		20/1	15 ● 16	20/1		-		SPARE
SPARE			-	20/1	17 ● 18	20/1			-	SPARE
TOTALS:	-	-	-				-	-	-	

MAXIMUM PANEL CAPACITY: 36 KVA 100 AMPS
ESTIMATED CONNECTED LOAD: 4.5 KVA 13 AMPS

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

Engineering Services of Vermont, LLC
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT · CLAIR BARTENDER · NO. 7469 · REGISTERED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

ELECTRICAL ONE LINE DIAGRAM

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	CPB
DRAWN BY:	ESVT
SCALE:	As indicated

E2.0

TYPE : SQUARE D NQ
DIMENSIONS : 20"W x 5.75"D x 50"H
MOUNTING : SURFACE
PANEL FEED : BOTTOM

PANEL M2
THREE PHASE PANEL

VOLTAGE : 120/208V, 3Ø, 4W
MAINS : 400A MLO
A.I.C. RATING : 10,000
LUGS SIZE : SEE ONE LINE DIAGRAM

DESCRIPTION	CONNECTED LOAD (VA) A	B	C	BKR	PHASE A B C		BKR	CONNECTED LOAD (VA) A	B	C	DESCRIPTION
HP10 - AIR TO WATER HEAT PUMP (IN ATTIC)	3360			LO 40/3	1 ●	2	60/3	6360			RTU1 - ROOFTOP GEOTHERMAL HEAT PUMP
		3360			3 ●	4			6360		
			3360		5 ●	6				6360	
HP12 - AIR TO WATER HEAT PUMP (IN ATTIC)	1160			LO 15/2	7 ●	8	60/3	6360			HRU1 - ROOFTOP HEAT RECOVERY GEOTHERMAL HEAT PUMP
		1160			9 ●	10			6360		
HP14A - AIR TO WATER HEAT PUMP			1140	LO 15/2	11 ●	12				6360	
	1140				13 ●	14	20/2	1150			HRU2 - HEAT RECOVERY UNIT
HP14B - AIR TO WATER HEAT PUMP		1140		LO 15/2	15 ●	16			1150		
			1140		17 ●	18	30/2			2030	CU1/AC1 - CONDENSING UNIT W/ INSIDE FAN UNIT
HP14C - AIR TO WATER HEAT PUMP	1140			LO 15/2	19 ●	20		2030			
		1140			21 ●	22	30/2		2030		CU1/AC1 - CONDENSING UNIT W/ INSIDE FAN UNIT
HP15 - AIR TO WATER HEAT PUMP			710	LO 15/2	23 ●	24				2030	
	710				25 ●	26	35/2 LO	2510			HP22 - AIR TO WATER HEAT PUMP (IN ATTIC)
HP16 - AIR TO WATER HEAT PUMP		1020		LO 15/2	27 ●	28			2510		
			1020		29 ●	30	20/1			250	MECH CONTROL POWER
HP17 - AIR TO WATER HEAT PUMP	1140			LO 15/2	31 ●	32	15/2	1000			PC4, PC5, PC6 - CIRC PUMPS
		1140			33 ●	34			1000		
HP18 - AIR TO WATER HEAT PUMP			510	LO 15/2	35 ●	36	20/1 E			500	DOWNSPOUT HEAT TRACE
	510				37 ●	38	20/1	-			SPARE
HP19 - AIR TO WATER HEAT PUMP		1020		LO 15/2	39 ●	40	20/1		-		SPARE
			1020		41 ●	42	20/1			-	SPARE
SPARE	-			20/1	43 ●	44	20/1	-			SPARE
SPARE		-		20/1	45 ●	46	20/1		-		SPARE
SPARE			-	20/1	47 ●	48	20/1			-	SPARE
SPARE	-			20/1	49 ●	50	20/1	-			SPARE
SPARE		-		20/1	51 ●	52	20/1		-		SPARE
SPARE			-	20/1	53 ●	54	20/1			-	SPARE
TOTALS:	-	-	-					-	-	-	

MAXIMUM PANEL CAPACITY: 144 KVA 400 AMPS
ESTIMATED CONNECTED LOAD: 84 KVA 233 AMPS

TYPE : SQUARE D NQ
DIMENSIONS : 20"W x 5.75"D x 50"H
MOUNTING : SURFACE
PANEL FEED : BOTTOM

PANEL M1
THREE PHASE PANEL

VOLTAGE : 120/208V, 3Ø, 4W
MAINS : 400A MLO
A.I.C. RATING : 10,000
LUGS SIZE : SEE ONE LINE DIAGRAM

DESCRIPTION	CONNECTED LOAD (VA) A	B	C	BKR	PHASE A B C		BKR	CONNECTED LOAD (VA) A	B	C	DESCRIPTION
HP1 - AIR TO WATER HEAT PUMP	590			LO 15/2	1 ●	2	80/3 LO	7530			HAC1 - HEATED AIR CURTAIN
		590			3 ●	4			7530		
HP2A - AIR TO WATER HEAT PUMP			1160	LO 15/2	5 ●	6				7530	
	1160				7 ●	8	40/3 LO	3510			HAC2 - HEATED AIR CURTAIN
HP2B - AIR TO WATER HEAT PUMP		1160		LO 15/2	9 ●	10			3510		
			1160		11 ●	12				3510	
HP3 - AIR TO WATER HEAT PUMP	590			LO 15/2	13 ●	14	40/3 LO	3510			HAC3 - HEATED AIR CURTAIN
		590			15 ●	16			3510		
HP4 - AIR TO WATER HEAT PUMP			710	LO 15/2	17 ●	18				3510	
	710				19 ●	20	15/2 LO	510			HP23 - AIR TO WATER HEAT PUMP
HP5 - AIR TO WATER HEAT PUMP		490		LO 15/2	21 ●	22			510		
			490		23 ●	24	20/1			250	MECH CONTROL POWER
HP6 - AIR TO WATER HEAT PUMP	710			LO 15/2	25 ●	26	30/2	2250			WH1 - ELECTRIC WATER HEATER
		710			27 ●	28			2250		
HP7 - AIR TO WATER HEAT PUMP			710	LO 15/2	29 ●	30	30/2			2250	WH2 - ELECTRIC WATER HEATER
	710				31 ●	32		2250			
HP8 - AIR TO WATER HEAT PUMP		490		LO 15/2	33 ●	34	20/1		-		SPARE
			490		35 ●	36	20/1			-	SPARE
HP9 - AIR TO WATER HEAT PUMP	710			LO 15/2	37 ●	38	20/1	-			SPARE
		710			39 ●	40	20/1		-		SPARE
SPARE			-	20/1	41 ●	42	20/1			-	SPARE
TOTALS:	-	-	-					-	-	-	

MAXIMUM PANEL CAPACITY: 144 KVA 400 AMPS
ESTIMATED CONNECTED LOAD: 76 KVA 212 AMPS

TYPE : SQUARE D NQ
DIMENSIONS : 20"W x 5.75"D x 38"H
MOUNTING : SURFACE
PANEL FEED : BOTTOM

PANEL MB
THREE PHASE PANEL

VOLTAGE : 120/208V, 3Ø, 4W
MAINS : 225A MLO
A.I.C. RATING : 10,000
LUGS SIZE : SEE ONE LINE DIAGRAM

DESCRIPTION	CONNECTED LOAD (VA) A	B	C	BKR	PHASE A B C		BKR	CONNECTED LOAD (VA) A	B	C	DESCRIPTION
HP22 - WATER TO WATER HEAT PUMP	2510			LO 35/2	1 ●	2	15/2 LO	510			HP20A - AIR TO WATER HEAT PUMP
		2510			3 ●	4			510		
PC1 - CIRCULATOR PUMP			610	15/2	5 ●	6	15/2 LO			510	HP20B - AIR TO WATER HEAT PUMP
	610				7 ●	8		510			
PC2 - CIRCULATOR PUMP		610		15/2	9 ●	10	15/2 LO		510		HP20C - AIR TO WATER HEAT PUMP
			610		11 ●	12				510	
P1 - VERTICAL CIRCULATOR PUMP	2010			20/1	13 ●	14	30/3 LO	2340			HP13 - AIR TO WATER HEAT PUMP
		2010			15 ●	16			2340		
			2010		17 ●	18				2340	
P1A - VERTICAL CIRCULATOR PUMP	2010			20/1	19 ●	20	15/2 LO	1220			HP11 - AIR TO WATER HEAT PUMP
		2010			21 ●	22			1220		
			2010		23 ●	24	20/1			60	EF1 - EXHAUST FAN
MECH CONTROL POWER	250						20/1	-			SPARE
WH3 - INSTANT WATER HEATER		2400					LO 25/1	27 ●	28	20/1		-	SPARE
EB1 - ELECT BASEBOARD			500				LO 20/1	29 ●	30	20/1			-	SPARE
SPARE	-						20/1	31 ●	32	20/1	-			SPARE
SPARE		-					20/1	33 ●	34	20/1		-		SPARE
SPARE			-				20/1	35 ●	36	20/1			-	SPARE
MONITORING SYSTEM (EGAUGE)	-						15/3	37 ●	38	20/1	-			SPARE
		-						39 ●	40	20/1		-		SPARE
								41 ●	42	20/1			-	SPARE
TOTALS:	-	-	-								-	-	-	

MAXIMUM PANEL CAPACITY: 81 KVA 225 AMPS
ESTIMATED CONNECTED LOAD: 35 KVA 98 AMPS

TYPE : SQUARE D NQ
DIMENSIONS : 20"W x 5.75"D x 38"H
MOUNTING : SURFACE
PANEL FEED : BOTTOM

PANEL R2
THREE PHASE PANEL

VOLTAGE : 120/208V, 3Ø, 4W
MAINS : 225A MLO
A.I.C. RATING : 10,000
LUGS SIZE : SEE ONE LINE DIAGRAM

DESCRIPTION	CONNECTED LOAD (VA) A	B	C	BKR	PHASE A B C		BKR	CONNECTED LOAD (VA) A	B	C	DESCRIPTION
LTG - TOP OF ELEV SHAFT	20			20/1	1 ●	2	20/1 G	900			RCPT - WATER COOLER
RCPT - TOP OF ELEV SHAFT		180		20/1	3 ●	4	20/1 G		1080		RCPT - COLLECTIONS FLOOR
RCPT - COLLECTIONS WEST			1080	20/1	5 ●	6	20/1 G			1080	RCPT - COLLECT, H.S. FLOOR
RCPT - COLLECTIONS SOUTH	1080			20/1	7 ●	8	20/1	1260			RCPT - H.S. GATHERING
RCPT - M.S. GATHERING		1260		20/1	9 ●	10	20/1		1440		RCPT - COLLECT, MEDIA LAB
RCPT - COLLECT, MS FLOOR			900	G 20/1	11 ●	12	20/1			720	RCPT - MCTV STUDIO
RCPT - STAIR A LANDING	720			20/1	13 ●	14	20/1	720			RCPT - MCTV STUDIO
RCPT - BOOK PROCESSING		1080		20/1	15 ●	16	20/1 G		360		RCPT - MCTV STUDIO FLOOR
RCPT - BOOK PROCESSING			1260	20/1	17 ●	18	20/1			1080	RCPT - TOILET ROOMS
RCPT - BOOK PROC COUNTER	540			20/1	19 ●	20	20/1	900			RCPT - STAFF BREAK
RCPT - BOOK PROC FLOOR		360		G 20/1	21 ●	22	20/1 G		900		RCPT - STAFF BREAK REFRIG
RCPT - SERVER ROOM			360	20/1	23 ●	24	20/1			540	RCPT - STAFF BREAK COUNTER
RCPT - SERVER ROOM	360			20/1	25 ●	26	20/1	360			RCPT - STAFF BREAK COUNTER
RCPT - SERVER ROOM		360		20/1	27 ●	28	20/1		360		RCPT - STAFF BREAK COUNTER
RCPT - SERVER RM BKBD			720	20/1	29 ●	30	20/1 G			1000	RCPT - STAFF BREAK D.W.
ACCESS CONTROL PANEL	500			20/1	31 ●	32	50/2	4800			RCPT - STAFF BREAK RANGE
RCPT - COUNTER ADULT GATHERING		360		20/1	33 ●	34			4800		
HAND DRYER - TLT			950	LO 20/1	35 ●	36	20/1			150	RCPT - STAFF/BRK HOOD, F.P.
HAND DRYER - TLT	950			LO 20/1	37 ●	38	20/1	900			RCPT - M.S. COLLECTIONS
RCPT - DIGITAL MEDIA LAB		1620		20/1	39 ●	40	20/1		900		RCPT - ROOF DECK
SPARE			-	20/1	41 ●	42	20/1			540	RCPT - ATTIC
SPARE	-			20/1	43 ●	44	20/1	720			RCPT - STUDIO CEILING
SPARE		-		20/1	45 ●	46	20/1		720		RCPT - STUDIO CEILING
SPARE			-	20/1	47 ●	48	20/1			1200	RCPT - STUDIO PLUGMOLD
SPARE	-			20/1	49 ●	50	20/1	-			SPARE
SPARE		-		20/1	51 ●	52	20/1		-		SPARE
SPARE			-	20/1	53 ●	54	20/1			-	SPARE
TOTALS:	-	-	-					-	-	-	

MAXIMUM PANEL CAPACITY: 81 KVA 225 AMPS
ESTIMATED CONNECTED LOAD: 37 KVA 102 AMPS

TYPE : SQUARE D NQ
DIMENSIONS : 20"W x 5.75"D x 38"H
MOUNTING : SURFACE
PANEL FEED : BOTTOM

PANEL R1
THREE PHASE PANEL

VOLTAGE : 120/208V, 3Ø, 4W
MAINS : 225A MLO
A.I.C. RATING : 10,000
LUGS SIZE : SEE ONE LINE DIAGRAM

DESCRIPTION	CONNECTED LOAD (VA) A	B	C	BKR	PHASE A B C		BKR	CONNECTED LOAD (VA) A	B	C	DESCRIPTION
WEST DOOR POWER	250			LO 20/1	1 ●	2	20/1 G	900			RCPT - WATER COOLER
SOUTH DOOR POWER		250		LO 20/1	3 ●	4	20/1 G		1200		RCPT - CLOTHES WASHER
EAST DOOR POWER			250	LO 20/1	5 ●	6	30/2 G			2500	RCPT - CLOTHES DRYER
RCPT - MAIN STREET ENTRANCE	900			20/1	7 ●	8		2500			
RCPT - WELCOME DESK		1080		20/1	9 ●	10	20/1		1440		RCPT - ATRIUM
RCPT - STAFF WORK AREA			1080	20/1	11 ●	12	20/1			1440	RCPT - BOOK DROP, VEST
RCPT - STAFF WORK AREA	1260			20/1	13 ●	14	20/1	180			RCPT - ELECT SELF CHECKOUT
RCPT - STAFF WORK AREA		1080		20/1	15 ●	16	20/1 G		1260		RCPT - FLEX/CONFERENCE
RCPT - DIRECTOR			1080	20/1	17 ●	18	20/1			900	RCPT - STAFF UC REFRIG
RCPT - CORR, TOILETS	1260			20/1	19 ●	20	20/1	900			RCPT - STAFF COPIER
RCPT - COMM ROOM/AV ROOM		720		20/1	21 ●	22	20/1		1620		RCPT - STAFF
RCPT - COMM ROOM COUNTER			360	20/1	23 ●	24	20/1			1260	RCPT - WIGGLE ROOM
RCPT - COMM ROOM FLOOR	1080			G 20/1	25 ●	26	20/1	900			RCPT - CHILDRENS
RCPT - COMM ROOM FLOOR		1080		G 20/1	27 ●	28	20/1 G		900		RCPT - CHILDRENS FLOOR
RCPT - COMM ROOM			1260	20/1	29 ●	30	20/1			1440	RCPT - ACTIVITY
RCPT - COMM RM UC REFRIG	700			G 20/1	31 ●	32	20/1	360			RCPT - ACTIVITY COUNTER
RCPT - AV ROOM		1080		20/1	33 ●	34	20/1 G		360		RCPT - ACTIVITY FLOOR
HAND DRYER - MEN'S			950	LO 20/1	35 ●	36	20/1			-	SPARE
HAND DRYER - WOMEN'S	950			LO 20/1	37 ●	38	20/1	-			SPARE
HAND DRYER - FAMILY NORTH		950		LO 20/1	39 ●	40	20/1		-		SPARE
HAND DRYER - FAMILY SOUTH			950	LO 20/1	41 ●	42	20/1			-	SPARE
SPARE	-			20/1	43 ●	44	20/1	-			SPARE
SPARE		-		20/1	45 ●	46	20/1		-		SPARE
SPARE			-	20/1	47 ●	48	20/1			-	SPARE
SPARE	-			20/1	49 ●	50	20/1	-			SPARE
SPARE		-		20/1	51 ●	52	20/1		-		SPARE
SPARE			-	20/1	53 ●	54	20/1			-	SPARE
TOTALS:	-	-	-					-	-	-	

MAXIMUM PANEL CAPACITY: 81 KVA 225 AMPS
ESTIMATED CONNECTED LOAD: 34 KVA 94 AMPS

TYPE : SQUARE D NQ
DIMENSIONS : 20"W x 5.75"D x 50"H
MOUNTING : SURFACE
PANEL FEED : BOTTOM

PANEL RB
THREE PHASE PANEL

VOLTAGE : 120/208V, 3Ø, 4W
MAINS : 100A MLO
A.I.C. RATING : 10,000
LUGS SIZE : SEE ONE LINE DIAGRAM

DESCRIPTION	CONNECTED LOAD (VA) A	B	C	BKR	PHASE A B C		BKR	CONNECTED LOAD (VA) A	B	C	DESCRIPTION
RCPT - ELECT ROOM	720			20/1	1 ●	2	20/1	50			LTG - ELEVATOR CAB
RCPT - EMR		180		20/1	3 ●	4	20/1		1260		RCPT - STORAGE, FRIENDS
RCPT - ELEVATOR PIT			180	20/1	5 ●	6	20/1			720	RCPT - STAIR A
RCPT - ELEVATOR SUMP	180			20/1	7 ●	8	20/1	-			SPARE
RCPT - TELECOM BACKBOARD		540		20/1	9 ●	10	20/1		-		SPARE
RCPT - LEV 1 KITCHENETTE			180	20/1	11 ●	12	20/1			1080	RCPT - MECHANICAL
RCPT - LEV 1 KITCHENETTE	180			20/1	13 ●	14	20/1	1440			RCPT - HISTORIC LEVEL 2
RCPT - IT REPAIR STATION		720		20/1	15 ●	16	20/1		1260		RCPT - HISTORIC
SPARE			-	20/1	17 ●	18	20/1			1000 est.	RCPT - (X)HISTORIC (1)
SPARE	-			20/1	19 ●	20	20/1	1000 est.			RCPT - (X)HISTORIC (1)
SPARE		-		20/1	21 ●	22	20/1		1000 est.		RCPT - (X)HISTORIC (1)
SPARE			-	20/1	23 ●	24	20/1			1000 est.	RCPT - (X)HISTORIC (1)
SPARE	-			20/1	25 ●	26	20/1	1000 est.			RCPT - (X)HISTORIC (1)
SPARE		-		20/1	27 ●	28	20/1		1000 est.		RCPT - (X)HISTORIC (1)
SPARE			-	20/1	29 ●	30	20/1			1000 est.	RCPT - (X)HISTORIC (1)
SPARE	-			20/1	31 ●	32	20/1	-			SPARE
SPARE		-		20/1	33 ●	34	20/1		-		SPARE
SPARE			-	20/1	35 ●	36	20/1			-	SPARE
SPARE	-			20/1	37 ●	38	20/1	-			SPARE
SPARE		-		20/1	39 ●	40	20/1		-		SPARE
SPARE			-	20/1	41 ●	42	20/1			-	SPARE
TOTALS:	-	-	-					-	-	-	

MAXIMUM PANEL CAPACITY: 36 KVA 100 AMPS
ESTIMATED CONNECTED LOAD: 18 KVA 49 AMPS

TYPE : SQUARE D NQ
DIMENSIONS : 20"W x 5.75"D x 32"H
MOUNTING : SURFACE
PANEL FEED : BOTTOM

PANEL EV
THREE PHASE PANEL

VOLTAGE : 120/208V, 3Ø, 4W
MAINS : 225A MLO
A.I.C. RATING : 10,000
LUGS SIZE : SEE ONE LINE DIAGRAM

DESCRIPTION	CONNECTED LOAD (VA) A	B	C	BKR	PHASE A B C		BKR	CONNECTED LOAD (VA) A	B	C	DESCRIPTION
EV1 - DUAL PORT ELECTRIC VEHICLE CHARGER	3330			LO 40/2	1 ●	2	-/1	-			SPARE
		3330			3 ●	4	-/2		-		(F)EV CHARGER
EV1 - DUAL PORT ELECTRIC VEHICLE CHARGER			3330	LO 40/2	5 ●	6				-	
	3330				7 ●	8	-/2	-			(F)EV CHARGER
(F)EV CHARGER		-		-/2	9 ●	10			-		
			-		11 ●	12	-/2			-	(F)EV CHARGER
(F)EV CHARGER	-			-/2	13 ●	14		-			
		-			15 ●	16	-/2		-		(F)EV CHARGER
SPACE			-	-/1	17 ●	18				-	
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
TOTALS:	6660	3330	3330					-	-	-	

MAXIMUM PANEL CAPACITY: 81 KVA 225 AMPS
ESTIMATED CONNECTED LOAD: 13 KVA 37 AMPS

DRAWING NOTES:

THESE DRAWING NOTES APPLY TO THIS DRAWING, ONLY.

(1) REWORK AND EXTEND EXISTING FIRST AND SECOND FLOOR RECEPTACLE CIRCUITS IN THE HISTORIC/ORIGINAL PORTION OF THE BUILDING TO PANEL RB. TRACE CIRCUIT AND EDIT DIRECTORY ACCORDINGLY.

- INCLUDE LOCATION OF EXISTING DEVICES ALONG WITH CIRCUITING ON RECORD DOCUMENTS.

GENERAL NOTES:

REFER TO GENERAL NOTES ON DRAWING E1.0 WHICH APPLY TO THIS DRAWING, AS WELL AS GENERAL NOTES WHICH FOLLOW.

1. PANELBOARD CIRCUIT BREAKER ABBREVIATIONS:

   G = 5MA GFCI GROUND FAULT PROTECTION INTEGRAL TO THE CIRCUIT BREAKER
   E = 30MA GFCI EQUIPMENT GROUND FAULT PROTECTION INTEGRAL TO THE CIRCUIT BREAKER
   A = ARC FAULT PROTECTION INTEGRAL TO THE CIRCUIT BREAKER
   LO = PROVIDE LOCK OPEN (OFF) CLIP FOR THIS CIRCUIT BREAKER
   LC = PROVIDE LOCK CLOSED (ON) CLIP FOR THIS CIRCUIT BREAKER

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services of Vermont, LLC
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT — CLAIRE BARTENSTEIN — NO. 7469 — REGISTERED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

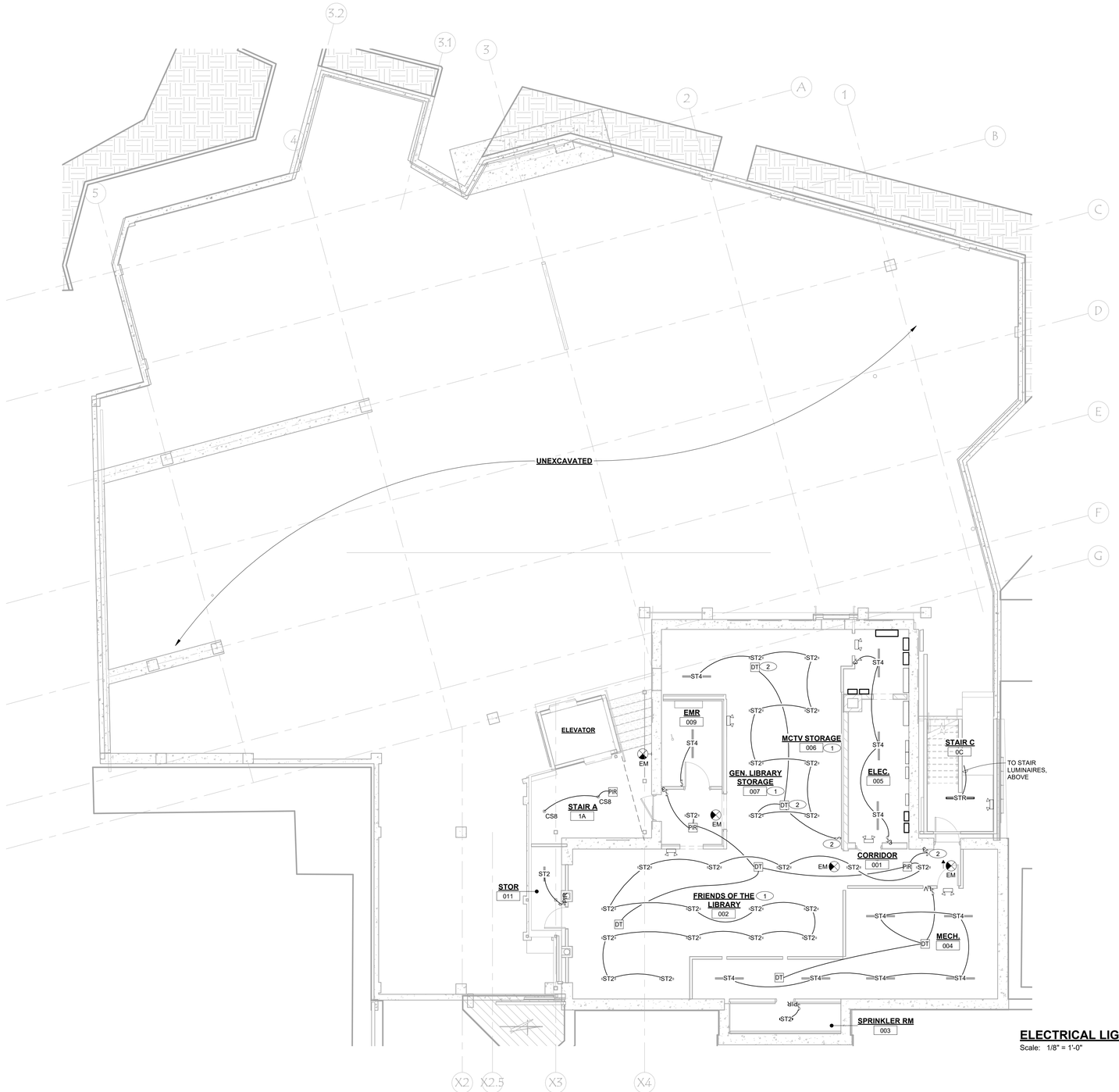
ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

ELECTRICAL PANEL SCHEDULES

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	CPB
DRAWN BY:	ESVT
SCALE:	As indicated

E2.1



ELECTRICAL LIGHTING BASEMENT

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

GENERAL NOTES:

REFER TO DRAWING E1.0 FOR GENERAL NOTES WHICH APPLY TO ALL DRAWINGS, AS WELL AS ANY NOTES WHICH FOLLOW.

1. CONNECT BASEMENT LUMINAIRES TO A COMMON LIGHTING CIRCUIT FROM PANEL LB.
2. REFER TO E4 SERIES DRAWINGS FOR SPACES TO PROVIDE INTERLOCK TO OUTPUT CONTACT SIGNAL FROM OCCUPANCY SENSORS WHERE INDICATED ON PLAN TO CONTROL TOP HALF SWITCHED RECEPTACLES.

DRAWING NOTES:

THESE DRAWING NOTES APPLY TO THIS DRAWING, ONLY.

(1) PROVIDE LUMINAIRE AND CONNECT TO EXISTING LIGHTING CIRCUIT WIRING.

(2) REWORK AND EXTEND EXISTING SWITCH LEGS TO WIRE THROUGH OCCUPANCY SENSORS TO OPERATE LUMINAIRES ON OCCUPANCY PROTOCOL. REPLACE 3-WAY SWITCH WITH SINGLE POLE SWITCH.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services of Vermont,
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
Phone: 802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT
CLAUS BARTENSTEIN
NO. 7469
REGISTERED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

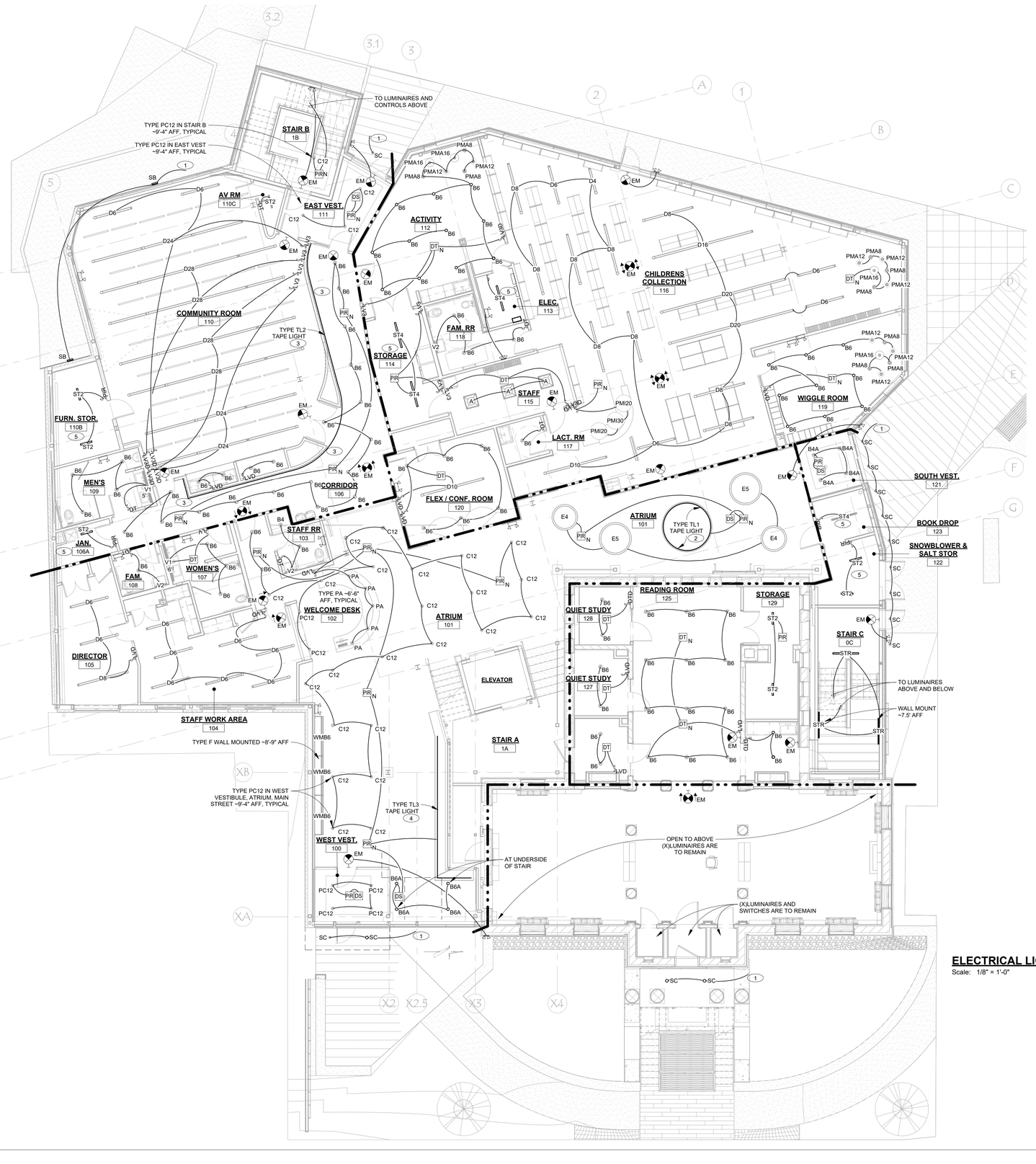
N

ELECTRICAL LIGHTING BASEMENT

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	CPB
DRAWN BY:	ESVT
SCALE:	As indicated

E3.0

PRINTED: 1/24/2025 11:03:17 AM FILENAME: Autodesk Docs://23033 Isley Library/23033 ELECT Modal R24.rvt



ELECTRICAL LIGHTING LEVEL 1

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

GENERAL NOTES:

REFER TO DRAWING E1.0 FOR GENERAL NOTES WHICH APPLY TO ALL DRAWINGS, AS WELL AS ANY NOTES WHICH FOLLOW.

1. PROVIDE FIVE CIRCUITS FROM PANEL LP1 TO SERVE LIGHTING ON LEVEL 1. CIRCUIT AREAS ARE DEFINED BY
   - A. CIRCUIT 1 - CHILDREN'S COLLECTION
   - B. CIRCUIT 2 - HISTORIC AND STAIR C
   - C. CIRCUIT 3 - CENTER EAST
   - D. CIRCUIT 4 - ATRIUM, CENTER WEST AND STAIR A
   - E. CIRCUIT 5 - COMMUNITY ROOM AND STAIR B
2. REFER TO E4 SERIES DRAWINGS FOR SPACES TO PROVIDE INTERLOCK TO OUTPUT CONTACT SIGNAL FROM OCCUPANCY SENSORS WHERE INDICATED ON PLAN TO CONTROL TOP HALF SWITCHED RECEPTACLES.

DRAWING NOTES:

THESE DRAWING NOTES APPLY TO THIS DRAWING, ONLY.

(1) CONNECT BUILDING MOUNTED EXTERIOR LIGHTING TO COMMON EXTERIOR LIGHTING CIRCUIT IN PANEL LB VIA LIGHTING CONTROLS

(2) PROVIDE TYPE TL1 FLEXIBLE EXTRUSION TAPE LIGHT WITH CHANNEL AND LENS IN THE INTERIOR OF THE CIRCUMFERENCE OF THE SKYLIGHT AT HEIGHT ABOVE BOTTOM OF THE SKYLIGHT AS DIRECTED BY ARCHITECT. COORDINATE WITH ARCHITECTS DETAIL. PROVIDE REAR FEED TO CONSTRUCT A COMPLETE CIRCLE INSTALLATION. PROVIDE 0-10VDC DIMMABLE REMOTE DRIVER FIELD LOCATING ABOVE NEARBY ACCESSIBLE CEILING. CIRCUIT TO PANEL L1 VIA DIGITAL LIGHTING CONTROLS. PROVIDE DIMMING THROUGH LIGHTING CONTROLS TO ARCHITECT AND OWNER'S SATISFACTION.

(3) PROVIDE TYPE TL2 FLEXIBLE LED NEON SILICONE SIDE BENDING TAPE LIGHT IN THE TOP OF THE SOFFIT IN THE SIDE OF THE CEILING OF CORRIDOR 106. COORDINATE WITH ARCHITECTS DETAIL. PROVIDE FOUR 0-10VDC DIMMABLE REMOTE DRIVERS, FIELD LOCATING ABOVE NEARBY ACCESSIBLE CEILING. CIRCUIT TO PANEL L1 VIA DIGITAL LIGHTING CONTROLS.

(4) PROVIDE TYPE TL3 EXTRUSION TAPE LIGHT WITH CHANNEL AND LENS HIGH IN THE TOE SPACE OF THE BENCH. COORDINATE WITH ARCHITECTS DETAIL. PROVIDE REMOTE 0-10VDC DIMMING DRIVER, FIELD LOCATING CONCEALED BUT ACCESSIBLE AT BASEMENT CEILING, BELOW. CIRCUIT TO PANEL L1 VIA DIGITAL LIGHTING CONTROLS.

(5) CHAIN HANG LUMINAIRES 9' AFF.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

Engineering Services of Vermont,
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
Phone: 802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT
CLAUS BARTELSEN
NO. 7469
REGISTERED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

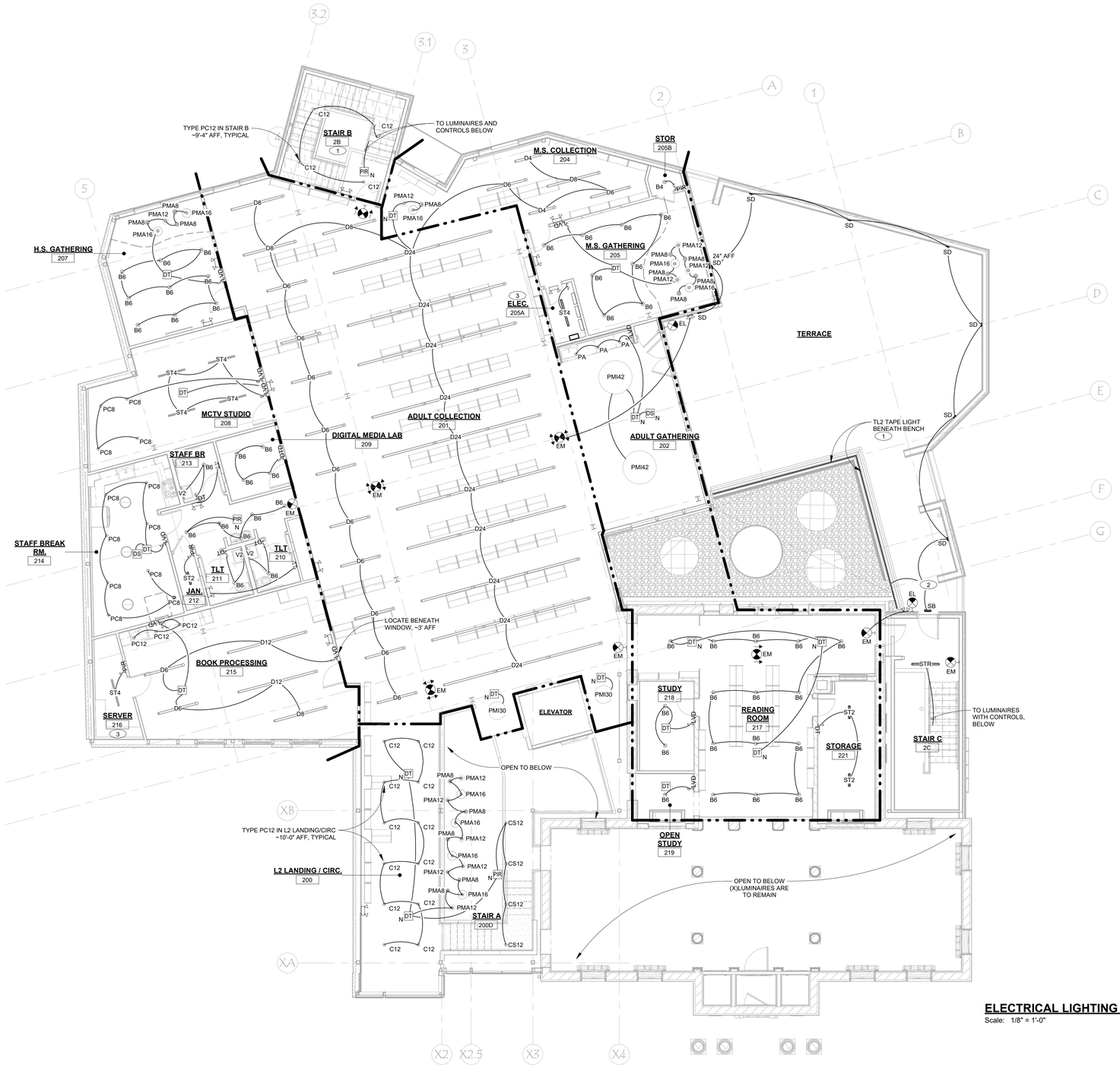
N

ELECTRICAL LIGHTING LEVEL 1

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	CPB
DRAWN BY:	ESVT
SCALE:	As indicated

E3.1

PRINTED: 1/24/2025 11:03:20 AM FILENAME: Autodesk Docs://23033 Ilsley Library/23033 ELECT Model R24.rvt



ELECTRICAL LIGHTING LEVEL 2

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

GENERAL NOTES:

REFER TO DRAWING E1.0 FOR GENERAL NOTES WHICH APPLY TO ALL DRAWINGS, AS WELL AS ANY NOTES WHICH FOLLOW.

1. PROVIDE FIVE CIRCUITS FROM PANEL LP2 TO SERVE LIGHTING ON LEVEL 2. CIRCUITS ARE DEFINED BY
   - A. CIRCUIT 1 - NORTHWEST AREA
   - B. CIRCUIT 2 - CENTER ADULT COLLECTION
   - C. CIRCUIT 3 - SOUTHEAST AND HISTORIC BUILDING
   - D. CIRCUIT 4 - LEVEL 2 LANDING/CIRCULATION
   - E. CIRCUIT 5 - TERRACE
2. REFER TO E4 SERIES DRAWINGS FOR SPACES TO PROVIDE INTERLOCK TO OUTPUT CONTACT SIGNAL FROM OCCUPANCY SENSORS WHERE INDICATED ON PLAN TO CONTROL TOP HALF SWITCHED RECEPTACLES.

DRAWING NOTES:

THESE DRAWING NOTES APPLY TO THIS DRAWING, ONLY.

1. PROVIDE TYPE TL2 IP68 RATED, FLEXIBLE EXTRUSION TAPE LIGHT WITH CHANNEL AND LENS IN BELOW THE BENCH BEHIND THE WIRE MESH BELOW THE SEAT. COORDINATE WITH ARCHITECTS DETAIL. PROVIDE 0-10VDC DIMMABLE OUTDOOR RATED REMOTE DRIVERS FIELD LOCATING BELOW BENCH. CIRCUIT TO PANEL L2 VIA DIGITAL LIGHTING CONTROLS.
2. ROUTE TERRACE LIGHTING CIRCUIT TO PANEL LP2 VIA EXTERIOR LIGHTING CONTROLS.
3. CHAIN HANG LUMINAIRES 9' AFF.

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services of Vermont,
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
Phone: 802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT
CLAUS MARTENSTEIN
NO. 7469
REGISTERED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

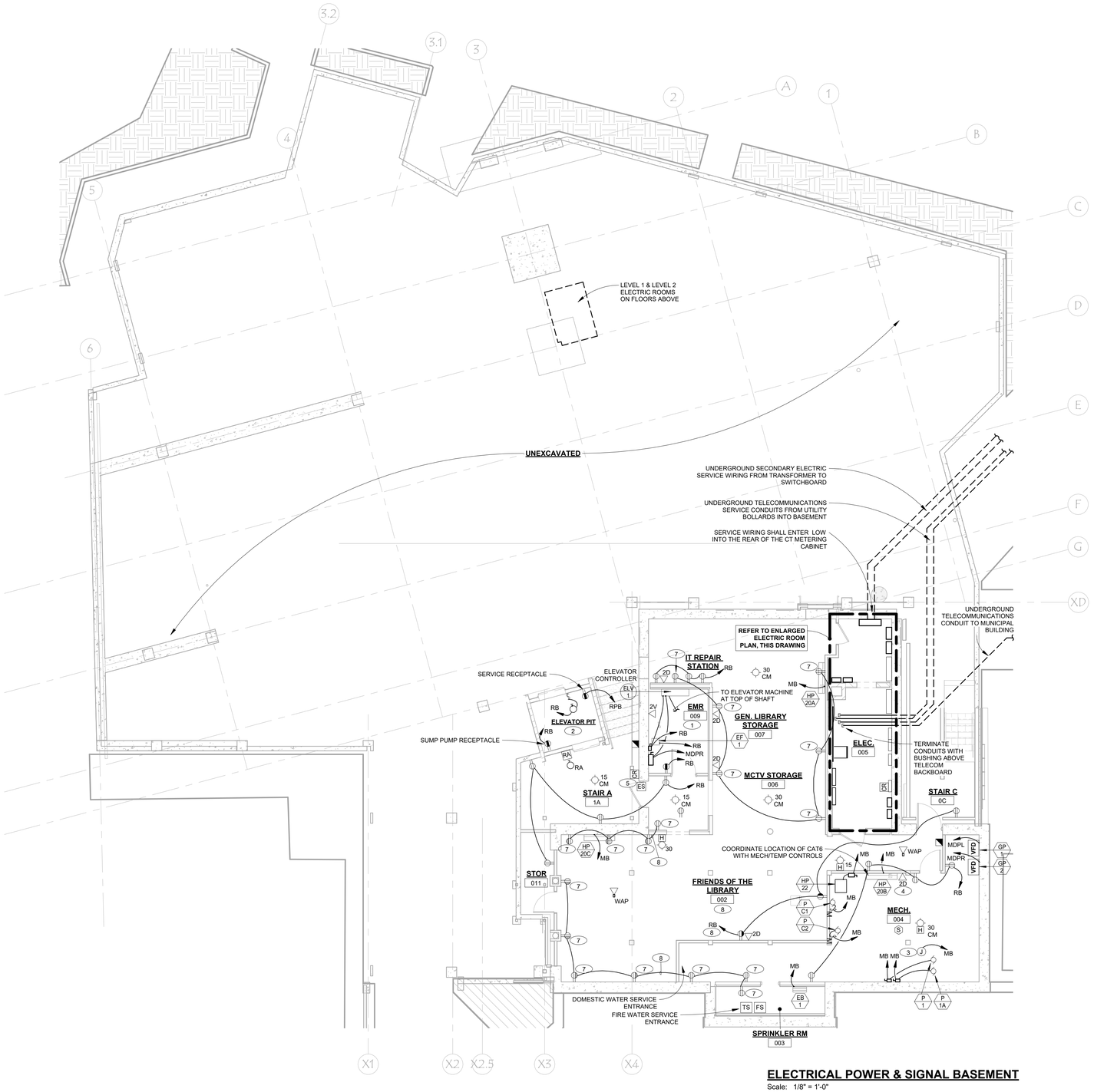
N

ELECTRICAL LIGHTING LEVEL 2

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	CPB
DRAWN BY:	ESVT
SCALE:	As indicated

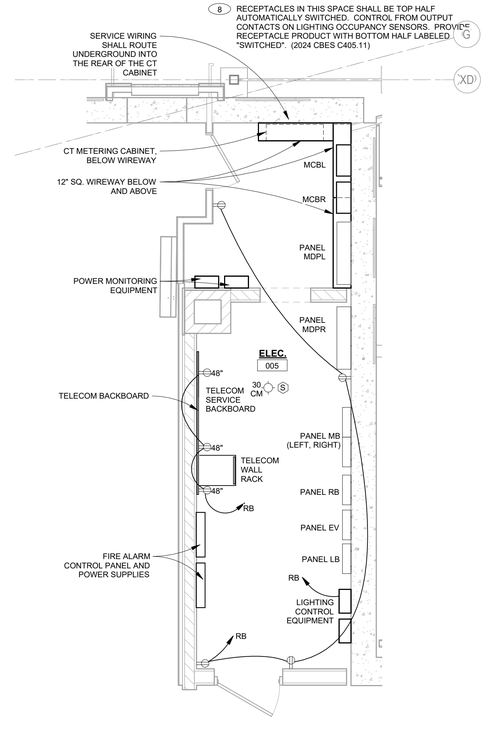
E3.2

PRINTED: 1/24/2025 11:03:23 AM FILENAME: Autodesk Docs://23033 Ilsley Library/23033 ELECT Model R24.rvt



ELECTRICAL POWER & SIGNAL BASEMENT

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



ENLARGED BASEMENT ELECTRIC ROOM PLAN

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

GENERAL NOTES:

REFER TO DRAWING E1.0 FOR GENERAL NOTES WHICH APPLY TO ALL DRAWINGS, AS WELL AS ANY NOTES WHICH FOLLOW.

1. **ACCESS CONTROL SYSTEM** SHALL BE DESIGN/BUILD BY A QUALIFIED VENDOR ACCEPTABLE TO THE OWNER AND CONSTRUCTION MANAGER. PROVIDE A COMPLETE SYSTEM SUBMITTAL INCLUDING DEVICE/EQUIPMENT CUT SHEETS, RISER DIAGRAM, DESCRIPTION OF OPERATION FOR EACH ACCESS POINT (DOOR) AND PLAN DRAWINGS INDICATING DEVICES. VENDOR SHALL PROVIDE TESTING OF COMPLETED SYSTEM, O&M DOCUMENTATION AND MINIMUM 2 HOURS OF OWNER TRAINING. ACCESS CONTROL CONTROL PANEL SHALL BE LOCATED IN THE SERVER ROOM 216.
2. **CAMERA SECURITY SYSTEM** SHALL BE BY OWNER'S VENDOR. THIS CONTRACTOR SHALL PROVIDE SHIELDED CAT6 CABLE, YELLOW JACKET, FROM DEDICATED PATCH PANEL IN WALL RACK IN SERVER 216 TO CAMERA LOCATION, TESTED AND LABELED ON BOTH ENDS. PROVIDE TWO GANG BOX WITH SINGLE GANG RING FOR CAMERA MOUNTING. APPROXIMATE LOCATIONS ARE INDICATED. TO BE FIELD COORDINATED WITH CAMERA SYSTEM VENDOR AND CONSTRUCTION MANAGER IN THE FIELD, ALONG WITH THE NECESSARY CABLING, BOXES AND LABELING DETAILS.

DRAWING NOTES:

THESE DRAWING NOTES APPLY TO THIS DRAWING, ONLY.

1. PROVIDE ELEVATOR MAIN POWER DISCONNECT SWITCH AND CONNECTION TO ELEVATOR CONTROLLER. A 30A1P LOCKABLE DISCONNECT SWITCH FUSED AT 15A FOR ELEVATOR CAB LIGHTING AND A TELEPHONE DEVICE AT 60" FOR CAB TELEPHONE AND CORD WITH PLUG FROM DEVICE TO ELEVATOR MACHINE FOR FINAL CONNECTION BY ELEVATOR INSTALLER. PROVIDE A FIRE ALARM SYSTEM RELAY MODULE CONNECTION TO ELEVATOR MACHINE FOR ELEVATOR RECALL. COORDINATE FINAL LOCATIONS WITH APPROVED ELEVATOR SHOP DRAWING AND ELEVATOR INSTALLER.
2. PROVIDE SERVICE RECEPTACLE, LIGHT, SWITCH, AND SUMP PUMP RECEPTACLE WITH DEDICATED CIRCUITS AS INDICATED, PER NEC. COORDINATE LOCATIONS WITH APPROVED ELEVATOR SHOP DRAWING AND ELEVATOR INSTALLER PRIOR TO ROUGH-IN. REFER TO BASEMENT LIGHTING PLAN FOR LIGHT AND CONTROL, DRAWING E3.0.
3. 20A1P CIRCUIT FOR MECHANICAL CONTROL POWER. LOCATE WHERE TO TERMINATE WITH MECHANICAL / TEMPERATURE CONTROLS.
4. COORDINATE LOCATION FOR CAT6 DEVICE WITH MECHANICAL AND/OR CONTROLS FOR TEMPERATURE CONTROL USE.
5. **ACCESS CONTROL:** ELECTRIC STRIKE WITH CARD READER ON PUBLIC SIDE OF DOOR. DOOR IS RESTRICTED TO STAFF ACCESS, ONLY.
6. **ACCESS CONTROL:** NIGHT LATCH PANIC, KEYED ACCESS ONLY FROM STAIR/PUBLIC SIDE.
7. EXISTING RECEPTACLE LOCATION. REPLACE DEVICE, REWORK AND EXTEND CIRCUIT TO PANEL RB. CIRCUITING IS AS PER 1987 CONSTRUCTION DOCUMENTS AND HAS NOT BEEN VERIFIED.
8. RECEPTACLES IN THIS SPACE SHALL BE TOP HALF AUTOMATICALLY SWITCHED. CONTROL FROM OUTPUT CONTACTS ON LIGHTING OCCUPANCY SENSORS. PROVIDE RECEPTACLE PRODUCT WITH BOTTOM HALF LABELED "SWITCHED". (2024 CBES C405.11)

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

Engineering Services of Vermont,
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
Phone: 802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT — CLAUS BARTENSTEIN — NO. 7469 — REGISTERED PROFESSIONAL ENGINEER

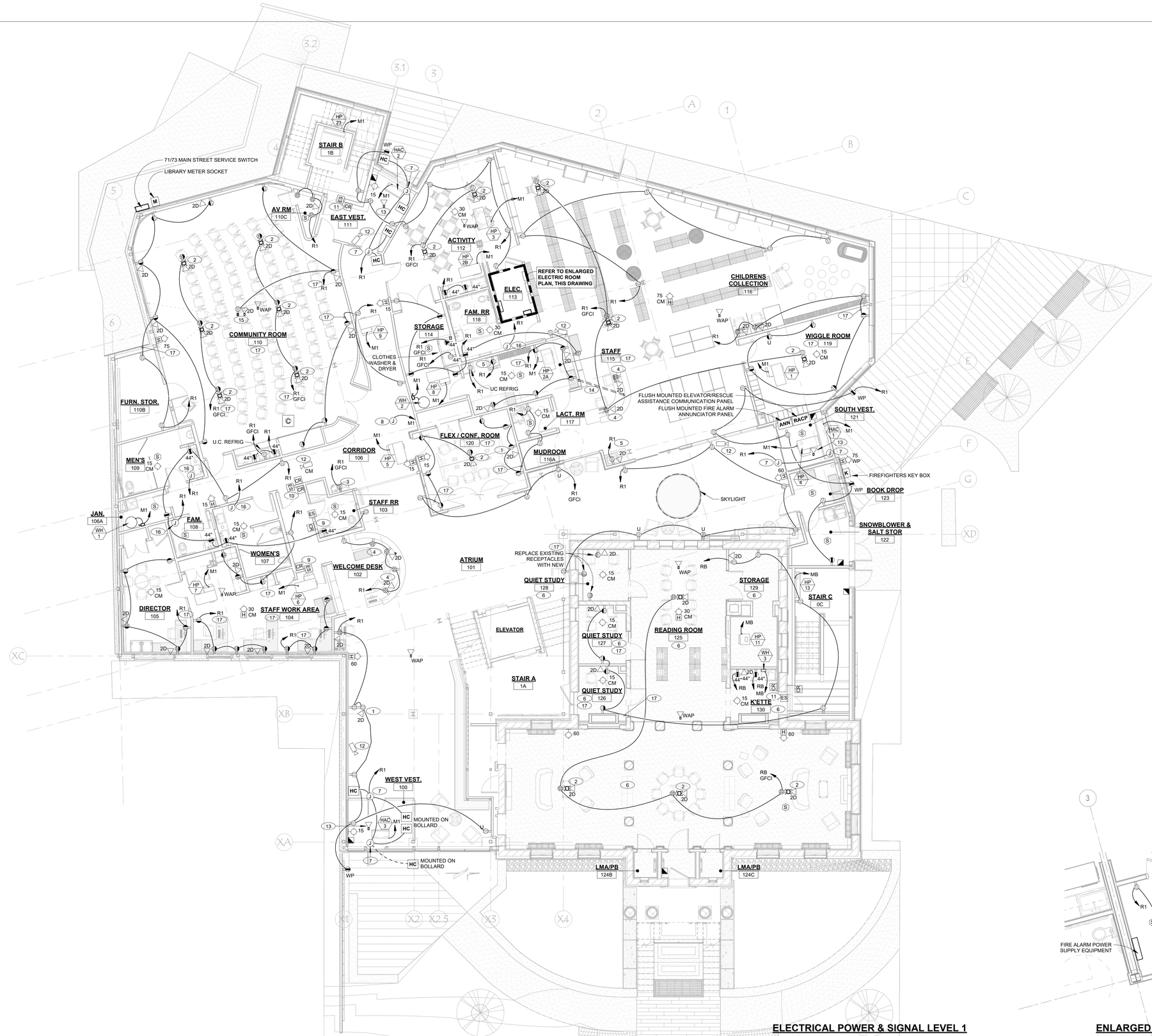
#	DATE	REVISION DESCRIPTION

ELECTRICAL POWER & SIGNAL BASEMENT

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	CPB
DRAWN BY:	ESVT
SCALE:	As indicated

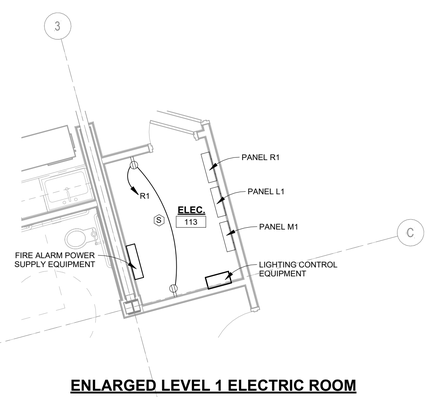
E4.0

PRINTED: 1/24/2025 11:03:24 AM FILENAME: Autodesk Docs://23033 Isley Library/23033 ELECT Model R24.rvt



ELECTRICAL POWER & SIGNAL LEVEL 1

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



ENLARGED LEVEL 1 ELECTRIC ROOM

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

GENERAL NOTES:

REFER TO DRAWING E1.0 FOR GENERAL NOTES WHICH APPLY TO ALL DRAWINGS, AS WELL AS ANY NOTES WHICH FOLLOW.

1. **ACCESS CONTROL SYSTEM** SHALL BE DESIGN/BUILD BY A QUALIFIED VENDOR ACCEPTABLE TO THE OWNER AND CONSTRUCTION MANAGER. PROVIDE A COMPLETE SYSTEM SUBMITTAL INCLUDING DEVICE/EQUIPMENT CUT SHEETS, RISER DIAGRAM, DESCRIPTION OF OPERATION FOR EACH ACCESS POINT (DOOR) AND PLAN DRAWINGS INDICATING DEVICES. VENDOR SHALL PROVIDE TESTING OF COMPLETED SYSTEM, O&M DOCUMENTATION AND MINIMUM 2 HOURS OF OWNER TRAINING. ACCESS CONTROL CONTROL PANEL SHALL BE LOCATED IN THE SERVER ROOM 216.

2. **CAMERA SECURITY SYSTEM** SHALL BE BY OWNER'S VENDOR. THIS CONTRACTOR SHALL PROVIDE SHIELDED CAT6 CABLE, YELLOW JACKET, FROM DEDICATED PATCH PANEL IN WALL RACK IN SERVER 216 TO CAMERA LOCATION, TESTED AND LABELED ON BOTH ENDS. PROVIDE TWO GANG BOX WITH SINGLE GANG RING FOR CAMERA MOUNTING. APPROXIMATE LOCATIONS ARE INDICATED. TO BE FIELD COORDINATED WITH CAMERA SYSTEM VENDOR AND CONSTRUCTION MANAGER IN THE FIELD, ALONG WITH THE NECESSARY CABLING, BOXES AND LABELING DETAILS.

DRAWING NOTES:

THESE DRAWING NOTES APPLY TO THIS DRAWING, ONLY.

1. WALL MOUNTED TELEVISION OR MONITOR LOCATION. PROVIDE A FLUSH DEVICE STYLE BOX FOR POWER AND CABLING IN A COMMON, RECESSED MANNER. BASIS OF DESIGN IS ARLINGTON TVBS613 STEEL MEDIA BOX. MOUNT ~66" AFF, UNLESS OTHERWISE NOTED. COORDINATE WITH ARCHITECTS ELEVATION DRAWINGS. SUBMIT FLUSH MOUNTED BOX INFORMATION FOR APPROVAL.
2. FLOOR BOX, RECESSED ACTIVATION. REFER TO GENERAL NOTES DRAWING E1.0 FOR DETAILS. RECEPTACLE SHALL BE ON CIRCUIT FED FROM A GFCI PROTECTED CIRCUIT BREAKER.
3. RECEPTACLE FOR WATER COOLER ON A DEDICATED GFCI PROTECTED CIRCUIT. CONCEAL RECEPTACLE BEHIND ACCESSIBLE ENCLOSURE OF THE WATER COOLER. COORDINATE WITH WATER COOLER INSTALLATION INSTRUCTIONS.
4. INSTALL RECEPTACLES AND CAT6 DEVICES IN DESK CASEWORK. COORDINATE WITH CASEWORK APPROVED SUBMITTAL AND CASEWORK INSTALLER TO CONCEAL BOXES AND WIRING TO GREATEST EXTENT POSSIBLE.
5. DEDICATED RECEPTACLE FOR COPIER. PROVIDE (2#10, 1#10G) 1/2"C. HOMERUN.
6. EXISTING POWER AND TELECOM DEVICES TO REMAIN IN THIS AREA TO BE REFED FROM NEW SERVICES. REWORK AND EXTEND POWER CIRCUITS TO NEW PANELBOARDS. REWORK AND EXTEND ETHERNET CABLING TO PATCH PANELS AT ELECTRICAL ROOM IN BASEMENT. REPLACE DEVICES AND WALLPLATES WITH NEW MATCHING BALANCE OF PROJECT. PROVIDE DEVICES ON NEW WALLS AS INDICATED. PROVIDE NEW FIRE ALARM DEVICES AS INDICATED.
7. PROVIDE POWER WIRING TO DOOR OPERATOR VIA DOOR CONTROL PANEL (FURNISHED WITH DOOR OPERATOR). PROVIDE WIRING AS REQUIRED TO CONTROL STATION (PUSHBUTTONS OR CONTROL SCREEN) AND PHOTO-EYES AS PER THE APPROVED MANUFACTURER INSTRUCTIONS. ALL WIRING TO BE IN MINIMUM 1/2" CONDUIT.
8. 20A1P CIRCUIT FOR MECHANICAL CONTROL POWER. LOCATE WHERE TO TERMINATE WITH MECHANICAL / TEMPERATURE CONTROLS.
9. **ACCESS CONTROL:** ELECTRIC STRIKE WITH CARD READER ON PUBLIC SIDE OF DOOR. DOOR IS RESTRICTED TO STAFF ACCESS, ONLY.
10. **ACCESS CONTROL:** ELECTRIC STRIKE WITH CARD READER ON BOTH SIDES OF DOOR. ACCESS CONTROL WIRING SHALL BE THROUGH THE HINGE OF THE DOOR. DOORS SHALL BE ALARMED EGRESS AND ALLOW MOMENTARY BYPASS BY STAFF.
11. **ACCESS CONTROL:** ELECTRIC STRIKE WITH CARD READER ON PUBLIC SIDE OF DOOR. NIGHT LATCH PANIC.
12. **SECURITY CAMERA:** PROVIDE PREPARATION FOR SECURITY CAMERA SYSTEM AS PER GENERAL NOTE AT THREE BUILDING ACCESS POINTS ON LEVEL 1 AND AT THE PUBLIC RESTROOMS AT LEVEL 1 AND LEVEL 2.
13. PROVIDE CAT6 DEVICE (1 JACK/1 PORT) AT CEILING FOR PEOPLE COUNTERS. COORDINATE LOCATION WITH OWNERS APPROVED COUNTER PRODUCT. COUNTERS TO BE POE.
14. TWO 1" CONDUITS FOR POWER AND CAT6 UNDERSLAB TO DESK.
15. RECEPTACLE AND CAT6 AT CEILING FOR OWNER'S PROJECTOR. FIELD COORDINATE LOCATION WITH OWNER OR OWNER'S IT VENDOR.
16. PROVIDE CONNECTION TO ELECTRIC HAND DRYER FROM CIRCUIT BREAKER WITH LOCK OFF HASP. CONNECTION IS BASED UPON EXCEL DRYER THIN-AIR HAND DRYER, 950 WATT MAXIMUM, 120VAC OPERATION. COORDINATE HAND DRYER LOCATION WITH ARCHITECTURAL PLANS.
17. RECEPTACLES IN THIS SPACE SHALL BE TOP HALF AUTOMATICALLY SWITCHED. CONTROL FROM OUTPUT CONTACTS ON LIGHTING OCCUPANCY SENSORS. PROVIDE RECEPTACLE PRODUCT WITH BOTTOM HALF LABELED "SWITCHED". (2024 CBES C405.11)

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

Engineering Services of Vermont,
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
Phone: 802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT · CLAUS BARTENSTEIN · NO. 7469 · REGISTERED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

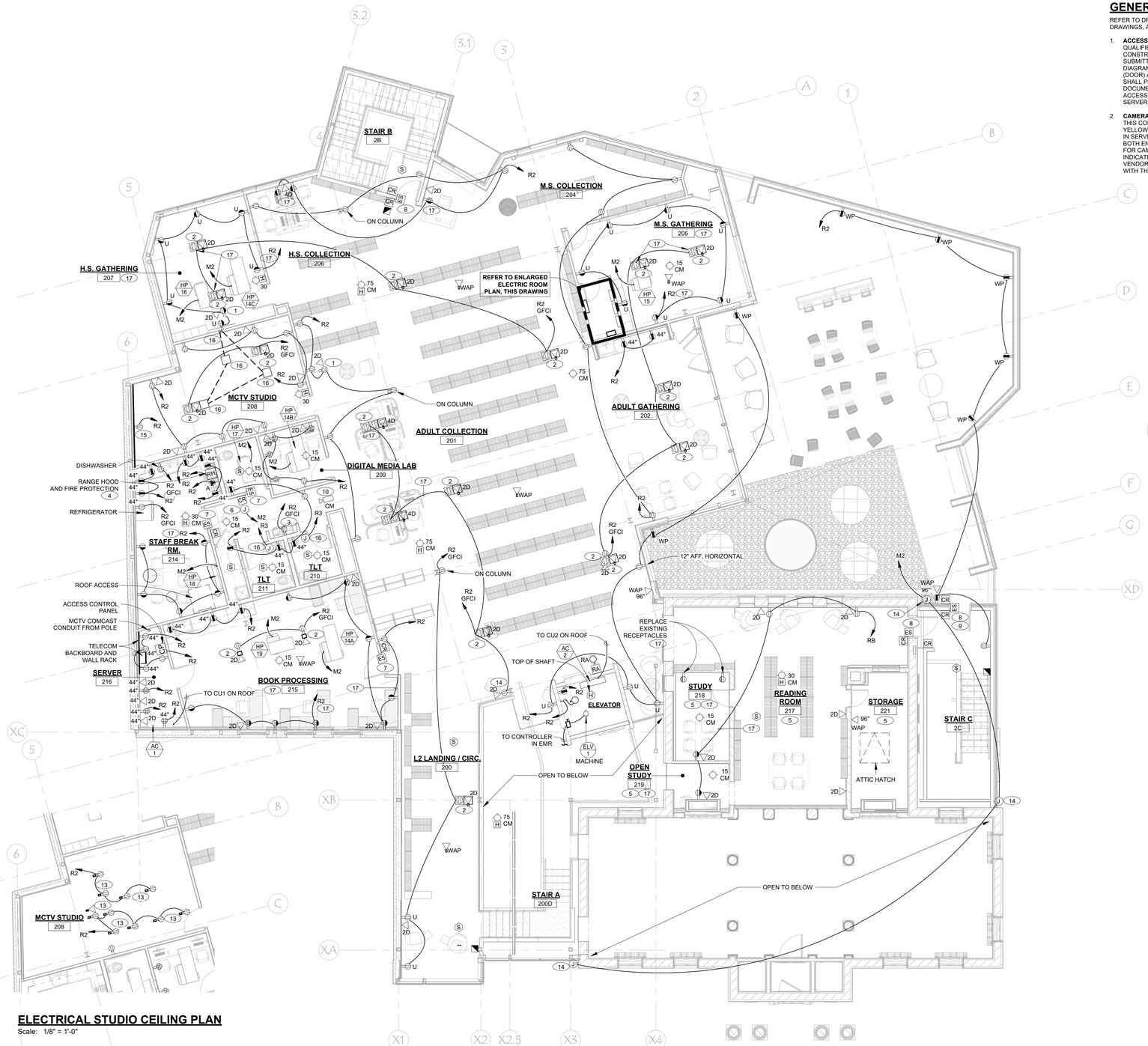
N

ELECTRICAL POWER & SIGNAL LEVEL 1

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	CPB
DRAWN BY:	ESVT
SCALE:	As indicated

E4.1

PRINTED: 1/24/2025 11:03:32 AM FILENAME: Autodesk Docs://23033 Ilsley Library/23033 ELECT Model R24.rvt



ELECTRICAL STUDIO CEILING PLAN

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

ELECTRICAL POWER & SIGNAL LEVEL 2

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

GENERAL NOTES:

REFER TO DRAWING E1.0 FOR GENERAL NOTES WHICH APPLY TO ALL DRAWINGS, AS WELL AS ANY NOTES WHICH FOLLOW.

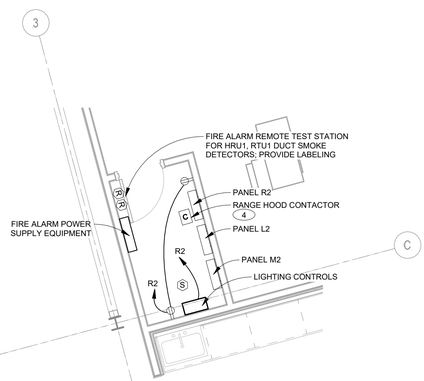
1. **ACCESS CONTROL SYSTEM** SHALL BE DESIGN/BUILD BY A QUALIFIED VENDOR ACCEPTABLE TO THE OWNER AND CONSTRUCTION MANAGER. PROVIDE A COMPLETE SYSTEM SUBMITTAL INCLUDING DEVICE/EQUIPMENT CUT SHEETS, RISER DIAGRAM, DESCRIPTION OF OPERATION FOR EACH ACCESS POINT (DOOR) AND PLAN DRAWINGS INDICATING DEVICES. VENDOR SHALL PROVIDE TESTING OF COMPLETED SYSTEM, O&M DOCUMENTATION AND MINIMUM 2 HOURS OF OWNER TRAINING. ACCESS CONTROL CONTROL PANEL SHALL BE LOCATED IN THE SERVER ROOM 216.

2. **CAMERA SECURITY SYSTEM** SHALL BE BY OWNER'S VENDOR. THIS CONTRACTOR SHALL PROVIDE SHIELDED CAT6 CABLE, YELLOW JACKET, FROM DEDICATED PATCH PANEL IN WALL RACK IN SERVER 216 TO CAMERA LOCATION. TESTED AND LABELED ON BOTH ENDS. PROVIDE TWO GANG BOX WITH SINGLE GANG RING FOR CAMERA MOUNTING. APPROXIMATE LOCATIONS ARE INDICATED. TO BE FIELD COORDINATED WITH CAMERA SYSTEM VENDOR AND CONSTRUCTION MANAGER IN THE FIELD, ALONG WITH THE NECESSARY CABLING, BOXES AND LABELING DETAILS.

DRAWING NOTES:

THESE DRAWING NOTES APPLY TO THIS DRAWING, ONLY.

1. WALL MOUNTED TELEVISION OR MONITOR LOCATION. PROVIDE A FLUSH DEVICE STYLE BOX FOR POWER AND CABLING IN A COMMON, RECESSED MANNER. BASIS OF DESIGN IS ARLINGTON TVBS613 STEEL MEDIA BOX. MOUNT ~66" AFF, UNLESS OTHERWISE NOTED. COORDINATE WITH ARCHITECTS ELEVATION DRAWINGS. SUBMIT FLUSH MOUNTED BOX INFORMATION FOR APPROVAL.
2. FLOOR BOX, RECESSED ACTIVATION. REFER TO GENERAL NOTES DRAWING E1.0 FOR DETAILS. RECEPTACLE SHALL BE ON CIRCUIT FED FROM A GFCI PROTECTED CIRCUIT BREAKER. 2" DEEP MAXIMUM FLOOR BOX.
3. RECEPTACLE FOR WATER COOLER ON A DEDICATED GFCI PROTECTED CIRCUIT. CONCEAL RECEPTACLE BEHIND ACCESSIBLE ENCLOSURE OF THE WATER COOLER. COORDINATE WITH WATER COOLER INSTALLATION INSTRUCTIONS.
4. PROVIDE CONTACTOR FOR ELECTRIC RANGE CIRCUIT WITH CONTROL SIGNAL WIRING FROM FIRE PROTECTION AT RANGE HOOD. UPON FIRE PROTECTION ACTIVATION, ELECTRIC RANGE SHALL BE DE-ENERGIZED AND SHALL NOT BE RE-ENERGIZED UNTIL FIRE PROTECTION SYSTEM IS RESET.
5. EXISTING POWER AND TELECOM DEVICES TO REMAIN IN THIS AREA TO BE REFED FROM NEW SERVICES. REWORK AND EXTEND POWER CIRCUITS TO NEW PANELBOARDS. REWORK AND EXTEND ETHERNET CABLING TO PATCH PANELS AT ELECTRICAL ROOM IN BASEMENT. REPLACE DEVICES AND WALLPLATES WITH NEW MATCHING BALANCE OF PROJECT. PROVIDE DEVICES ON NEW WALLS AS INDICATED. PROVIDE NEW FIRE ALARM DEVICES AS INDICATED.
6. 20A1P CIRCUIT FOR MECHANICAL CONTROL POWER. LOCATE WHERE TO TERMINATE WITH MECHANICAL / TEMPERATURE CONTROLS.
7. **ACCESS CONTROL:** ELECTRIC STRIKE WITH CARD READER ON PUBLIC SIDE OF DOOR. DOOR IS RESTRICTED TO STAFF ACCESS, ONLY.
8. **ACCESS CONTROL:** ELECTRIC STRIKE WITH CARD READER ON BOTH SIDES OF DOOR. ACCESS CONTROL WIRING SHALL BE THROUGH THE HINGE OF THE DOOR. DOORS SHALL BE ALARMED EGRESS AND ALLOW MOMENTARY BYPASS BY STAFF.
9. **ACCESS CONTROL:** ALARMED PANIC.
10. **SECURITY CAMERA:** PROVIDE PREPARATION FOR SECURITY CAMERA SYSTEM AS PER GENERAL NOTE AT THREE BUILDING ACCESS POINTS ON LEVEL 1 AND AT THE PUBLIC RESTROOMS AT LEVEL 1 AND LEVEL 2.
11. PROVIDE RECEPTACLE AND CAT6 DEVICES FOR SELF CHECK-OUT KIOSKS. LOCATE IN WEB OF STEEL COLUMN, CAT6 DEVICE ABOVE RECEPTACLE.
12. PROVIDE CONNECTION TO ELECTRIC HAND DRYER FROM CIRCUIT BREAKER WITH LOCK OFF HASP. CONNECTION IS BASED UPON EXCEL DRYER THIN-AIR HAND DRYER, 950 WATT MAXIMUM, 120VAC OPERATION. COORDINATE HAND DRYER LOCATION WITH ARCHITECTURAL PLANS.
13. RECEPTACLES AND CAT6 AT CEILING ABOVE PIPE GRID FOR STUDIO LIGHTING USE.
14. PROVIDE CONNECTION TO DOWNSPOUT HEAT TRACE FROM 30mA EQUIPMENT GROUND FAULT CIRCUIT BREAKER.
15. PROVIDE MULTI-OUTLET ASSEMBLY, SINGLE 15 AMP RECEPTACLES ON 12" CENTERS, WIDTH OF NORTH WALL, 48" AFF. WIREMOLD-PLUGMOLD, TWO PIECE METALLIC RACEWAY IN WHITE FINISH IS BASIS OF DESIGN.
16. FLOOR BOX, RECESSED ACTIVATION. REFER TO GENERAL NOTES DRAWING E1.0 FOR DETAILS. PROVIDE 3/4" CONDUITS WITH PULLWIRE FROM CEILING SPACE, DOWN WALL AND FROM BOX TO BOX, AS INDICATED.
17. RECEPTACLES IN THIS SPACE SHALL BE TOP HALF AUTOMATICALLY SWITCHED. CONTROL FROM OUTPUT CONTACTS ON LIGHTING OCCUPANCY SENSORS. PROVIDE RECEPTACLE PRODUCT WITH BOTTOM HALF LABELED "SWITCHED". (2024 CBES C405.11)



ENLARGED LEVEL 2 ELECTRIC ROOM

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

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

Engineering Services of Vermont,
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
Phone: 802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT
CLAUS MARTENSTEIN
NO. 7469
REGISTERED PROFESSIONAL ENGINEER

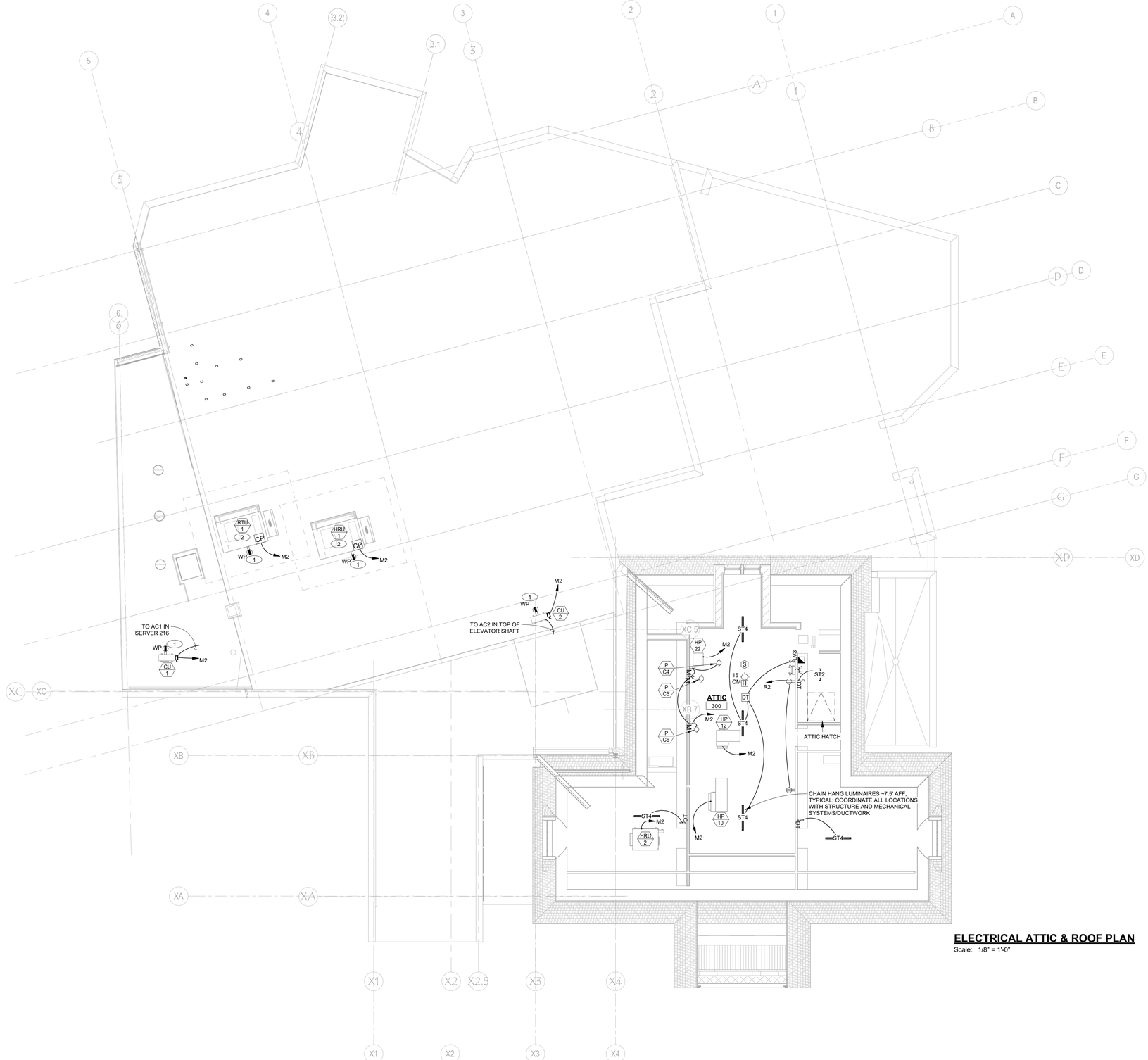
#	DATE	REVISION DESCRIPTION

ELECTRICAL
POWER & SIGNAL
LEVEL 2

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	CPB
DRAWN BY:	ESVT
SCALE:	As indicated

E4.2

PRINTED: 1/24/2025 11:03:42 AM FILENAME: Autodesk Docs:/23033 Ilsley Library/23033 ELECT Model R24.rvt



ELECTRICAL ATTIC & ROOF PLAN

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

GENERAL NOTES:

REFER TO DRAWING E1.0 FOR GENERAL NOTES WHICH APPLY TO ALL DRAWINGS, AS WELL AS ANY NOTES WHICH FOLLOW.

1. **ACCESS CONTROL SYSTEM** SHALL BE DESIGN/BUILD BY A QUALIFIED VENDOR ACCEPTABLE TO THE OWNER AND CONSTRUCTION MANAGER. PROVIDE A COMPLETE SYSTEM SUBMITTAL INCLUDING DEVICE/EQUIPMENT CUT SHEETS, RISER DIAGRAM, DESCRIPTION OF OPERATION FOR EACH ACCESS POINT (DOOR) AND PLAN DRAWINGS INDICATING DEVICES. ACCESS CONTROL CONTROL PANEL SHALL BE LOCATED IN THE SERVER ROOM 216.
2. PROVIDE A CIRCUIT FROM PANEL L2 TO SERVE ATTIC LIGHTING.

DRAWING NOTES:

THESE DRAWING NOTES APPLY TO THIS DRAWING, ONLY.

(1) CONNECT RECEPTACLE TO UNSWITCHED, GENERAL USE RECEPTACLE CIRCUIT SERVING THE AREA, BELOW.

(2) PROVIDE MONITORING OF DUCT SMOKE DETECTOR PROVIDED WITH THIS MECHANICAL VENTILATION EQUIPMENT. PROVIDE REMOTE TEST STATION IN ELECTRIC ROOM, LEVEL 2.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services of Vermont,
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
Phone: 802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT · CLAUS BARTENSTEIN · NO. 7469 · REGISTERED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

N

ELECTRICAL ATTIC & ROOF PLAN

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	CPB
DRAWN BY:	ESVT
SCALE:	As indicated

E4.3

PRINTED: 1/24/2025 11:03:48 AM FILENAME: Autodesk Docs://23033 Ilsley Library/23033 ELECT Model R24.rvt

LUMINAIRE SCHEDULE

KEY	DESCRIPTION AND FINISH	MOUNTING	MANUFACTURER	SERIES OR TYPE (NOT A COMPLETE CAT. #)	VOLT/ WATT	LAMP(S)
ST2 ST2	LINEAR LENSED LED STRIP LUMINAIRE, 2.6"W x 2.6"H x 24"L, DROPPED FROSTED ACRYLIC LENS, WHITE FORMED STEEL HOUSING, 0–10VDC DIMMING. **DESIGN LIGHTS CONSORTIUM (DLC) LISTED.**	CEILING SURFACE OR JACK CHAIN PENDANT BELOW DUCTS	ACUITY BRANDS LITHONIA LIGHTING	CSS L24 2000LM MVOLT 35K	120/ 277V 17W	LED, FURNISHED WITH LUMINAIRE 2,256 LUMEN 80 CRI 3,500K CCT
ST4 ST4	LINEAR LENSED LED STRIP LUMINAIRE, 2.6"W x 2.6"H x 48"L, DROPPED FROSTED ACRYLIC LENS, WHITE FORMED STEEL HOUSING, 0–10VDC DIMMING. **DESIGN LIGHTS CONSORTIUM (DLC) LISTED.**	CEILING SURFACE OR JACK CHAIN PENDANT BELOW DUCTS	ACUITY BRANDS LITHONIA LIGHTING	CSS L48 4000LM MVOLT 35K	120/ 277V 36W	LED, FURNISHED WITH LUMINAIRE 4,732 LUMEN 80 CRI 3,500K CCT
STR STR	4' SURFACE WRAP–AROUND LED LUMINAIRE, CURVED RIBBED DIFFUSER, 1% 0–10VDC DIMMING, EMERGENCY BATTERY PACK, INTEGRAL OCCUPANCY SENSOR AND WIRELESS CONTROLS. **DESIGN LIGHTS CONSORTIUM (DLC) LISTED.**	CEILING SURFACE	ACUITY BRANDS LITHONIA LIGHTING	BLWP4 60LHE ADP MVOLT EZ1 LP835 NLTAIR2 E10WLCP RES7	120/ 277V 47W	LED, FURNISHED WITH LUMINAIRE 6,502 LUMEN 80 CRI 3,500K CCT
V1 V1	LINEAR DIRECT/INDIRECT WALL MOUNT LED LUMINAIRE, ALUMINUM HOUSING, MATTE WHITE FINISH, FLUSH DIRECT LENS, TOP GLOW INDIRECT LENS. 3.25"H x 2.25"D x X' (LENGTHS IDENTIFIED ON PLAN DRAWING)	WALL SURFACE (L2)	ALW	LIGHTPLANE+ LPX2 B WM F O S___ 03 35 80 AL V01 03 35 80 AL V01 SW N UNV	120V/ 277V 5.4 W/FT	LED, FURNISHED WITH LUMINAIRE 425 LUM/FT DIRECT 425 LUM/FT INDIRECT 90 CRI 3,500K CCT
V2 V2	VANITY LED LUMINAIRE, WHITE ACRYLIC LENS, WHITE FINISH; **ENERGY STAR LISTED.**	WALL SURFACE (L2)	BROWNLEE	FORMA 5190 26 WH H16 30K ES	120V 16W	LED, FURNISHED WITH LUMINAIRE 1,506 LUMEN 80 CRI 3,000K CCT
TL1	STATIC WHITE LED–NEON MINI SQUARE PROFILE SIDE BENDING LINEAR STRIP, 24VDC, IP68 WET LOCATION RATED DRIVER SHALL BE ELECTRONIC, 0–10VDC DIMMABLE, FLICKER FREE – IN SKYLIGHT	(L5)	LLI ARCHITECTURAL LIGHTING	LLI–N5.3W SS63 35K 24V 90 ~550" (VERIFY) DRIVER: (3) LLI PS DE010 096W 24V KO	120 5.3W /FT	LED, FURNISHED WITH LUMINAIRE 212 LUMEN/FOOT 90 CRI 3,500K CCT
TL2	STATIC WHITE LED–NEON SQUARE PROFILE SILICONE SIDE BENDING LINEAR STRIP, 24VDC, IP68 WET LOCATION RATED DRIVER SHALL BE ELECTRONIC, FLICKER FREE – AT ROOFTOP BENCH	(L5)	LLI ARCHITECTURAL LIGHTING	LLI–N5.3W SS63 35K 24V 90 ~540IN (VERIFY) DRIVER: (3) LLI PS UDEEF 0696W 24V KO	120 5.3W /FT	LED, FURNISHED WITH LUMINAIRE 212 LUMEN/FOOT 90 CRI 3,500K CCT
TL3	STATIC WHITE LED–NEON SQUARE PROFILE SILICONE SIDE BENDING LINEAR STRIP, 24VDC, IP68 WET LOCATION RATED DRIVER SHALL BE ELECTRONIC, FLICKER FREE – AT WEST ENTRANCE BENCH	(L5)	LLI ARCHITECTURAL LIGHTING	LLI–N5.3W SS63 35K 24V 90 ~330IN (VERIFY) DRIVER: (2) LLI PS UDEEF 0696W 24V KO	120 5.3W /FT	LED, FURNISHED WITH LUMINAIRE 212 LUMEN/FOOT 90 CRI 3,500K CCT
TL4	STATIC WHITE LED–NEON SQUARE PROFILE SILICONE SIDE BENDING LINEAR STRIP, 24VDC, IP68 WET LOCATION RATED DRIVER SHALL BE ELECTRONIC, FLICKER FREE – LEVEL 1 CORRIDOR CEILING COFFER	(L5)	LLI ARCHITECTURAL LIGHTING	LLI–N5.3W SS63 35K 24V 90 ~720IN (VERIFY) DRIVER: (4) LLI PS UDEEF 0696W 24V KO	120 5.3W /FT	LED, FURNISHED WITH LUMINAIRE 212 LUMEN/FOOT 90 CRI 3,500K CCT
EM	COMBINATION EMERGENCY/EXIT LUMINAIRE, WHITE THERMOPLASTIC HOUSING, RED LED LETTERS, TWO LED EMERGENCY LIGHTING HEADS AND INTEGRAL BATTERY FOR 90 MINUTE SELF–POWERED OPERATION WITH TEST SWITCH. PROVIDE BATTERY OUTPUT TO OPERATE TWIN REMOTE HEADS.	WALL MOUNTED (L1)	ISOLITE	CMB EM R U WH MTEBP L1 SD EB	120V 1.5W	LED; PROVIDED INTEGRAL TO LUMINAIRE
EL	PHOTOLUMINESCENT EXIT LUMINAIRE, THERMOPLASTIC HOUSING, RED LETTERS, UNIVERSAL MOUNTING	WALL MOUNTED (L1)	ISOLITE	PHL R 1 BK MB		NO ELECTRICAL CONNECTION
	EMERGENCY BATTERY UNIT (EBU) WITH TWO LED LIGHTING HEADS, WHITE THERMOPLASTIC HOUSING. BATTERY FOR SELF POWERING OF LIGHTING HEADS FOR MINIMUM 90 MINUTES SELF–POWERED OPERATION WITH TEST SWITCH. PROVIDE BATTERY OUTPUT TO OPERATE ONE SET TWIN REMOTE HEADS.	WALL MOUNTED (L1)	ISOLITE	BUG 3W WH MB EB	120/ 277V 3.6VDC 8W	LED LAMP HEADS PROVIDED INTEGRAL TO LUMINAIRE
	EMERGENCY REMOTE LUMINAIRE WITH TWO LED LIGHTING HEADS; THERMOPLASTIC HOUSING. PROVIDE VOLTAGE TO MATCH BATTERIES POWERING LAMPS. WHITE FINISH INDOOR. BLACK FINISH, WET LOCATION OUTDOOR.	WALL MOUNTED (L1)	ISOLITE	**INDOOR:** MVH WH 2 **OUTDOOR:** MVH BK 2 LW	3.6V DC 2W	LED LAMP HEADS PROVIDED INTEGRAL TO LUMINAIRE

LUMINAIRE SCHEDULE KEYED NOTES:

(L1) MOUNT LUMINAIRE 96" ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED. WHERE SHOWN ABOVE A DOOR, MOUNT CENTERED ABOVE DOOR FRAME, 8" ABOVE THE TOP OF THE DOOR. WHERE EMERGENCY AND EXIT LUMINAIRES ARE SHOWN ABOVE A DOOR, MOUNT THE EMERGENCY LUMINAIRE CENTERED ABOVE THE EXIT SIGN.

(L2) WHERE LUMINAIRE IS MOUNTED ABOVE THE VANITY, CENTER ON VANITY, 6" ABOVE TOP OF MIRROR.

(L5) PROVIDE ALL CONNECTORS, MOUNTING CLIPS, MOUNTING CHANNELS AND DRIVERS AS NECESSARY FOR A COMPLETE AND PROPERLY FUNCTIONAL SYSTEM. LUMINAIRE SHALL BE MOUNTED IN CHANNELS CONSTRUCTED IN BENCHES AND SKYLIGHTS AS PER ARCHITECTS DETAILS; REFER TO PLAN NOTES FOR ADDITIONAL INSTALL INFORMATION.

EXTERIOR LUMINAIRE SCHEDULE

KEY	DESCRIPTION AND FINISH	MOUNTING	MANUFACTURER	SERIES OR TYPE (NOT A COMPLETE CAT. #)	VOLT/ WATT	LAMP(S)
SA SA	CONTEMPORARY LANTERN POST TOP LED LUMINAIRE; MATCHES EXISTING MIDDLEBURY STREET LIGHTING, CDMG DRIVER WITH MOTION RESPONSE. MATCHING POST, COLOR TO MATCH LUMINAIRE WITH BANNER ARM. (L4)	POLE TOP 14' POLE ON 1' EXPOSED BASE	SIGNIFY LIGHTING LUMEC LIGHTING	URBAN SERIES LBO 80W48LED3K G3 PC CS LE4 208 CDMG SF80 LM552611B OVR BKTX • ACC 277 MR4PQ2 • POLE RTA906V–14 BA	208V 80W	LED, FURNISHED WITH LUMINAIRE 7,233 LUMEN MIN 70 CRI 3,000K CCT
SB	FULL CUT OFF LED WALL PACK, BLACK FINISH; **DESIGN LIGHTS CONSORTIUM LISTED.**	WALL MOUNT 12' AFF	ACUITY BRANDS LITHONIA LIGHTING	WPX LEDP1 30K MVOLT DBLXD	120/ 277V 11W	LED, FURNISHED WITH LUMINAIRE 1,537 LUMEN MIN 70 CRI 3,000K CCT
SC SC	6" ROUND LED WAFER STYLE DOWN LIGHT LUMINAIRE, WHITE TRIM, 0–10VDC DIMMING, IC RATED DRIVERS. **ENERGY STAR LISTED**	CEILING RECESSED	ACUITY BRANDS LITHONIA LIGHTING	WF6 LED 27K30K35K MVOLT 90CRI MW	120/ 277V 14W	LED, FURNISHED WITH LUMINAIRE 1,110 LUMEN 90 CRI 3,500K CCT
SD SD	WALL RECESSED LED STEP LUMINAIRE, BLACK CAST ALUMINIMUM, WET LOCATION, 12' WIDE, LONG THROW OPTICS.	WALL RECESSED HEIGHT PER DRAWINGS	HYDREL	STEP LIGHT 13 HSL13 12INCH LED 30K MVOLT L MINS BB SGB	120/ 277V 11W	LED, FURNISHED WITH LUMINAIRE 386 LUMEN 80 CRI 3,000K CCT
SN	STATIC WHITE LED–NEON MINI SQUARE PROFILE SIDE BENDING LINEAR STRIP, 24VDC, IP68 WET LOCATION RATED DRIVER SHALL BE ELECTRONIC, FLICKER FREE	(L5)	LLI ARCHITECTURAL LIGHTING	LLI–N3.5W 68 SS49 20K 24V PWR DRIVER: LLI PS UDEEF 060W 24V KO	120/ 277V 14W	LED, FURNISHED WITH LUMINAIRE 1,110 LUMEN 90 CRI 3,500K CCT

LUMINAIRE SCHEDULE KEYED NOTES:

(L4) LUMINAIRE WITH POST SHALL MATCH THE TOWN OF MIDDLEBURY STANDARD DOWNTOWN LUMINAIRE WITHOUT RECEPTACLE.

(L5) PROVIDE ALL CONNECTORS, MOUNTING CLIPS, MOUNTING CHANNELS AND DRIVERS AS NECESSARY FOR A COMPLETE AND PROPERLY FUNCTIONAL SYSTEM. LUMINAIRE SHALL BE MOUNTED IN CHANNELS CONSTRUCTED IN WOOD BENCHES AND CONCRETE WALLS AS PER ARCHITECTS DETAILS.

LUMINAIRE SCHEDULE

KEY	DESCRIPTION AND FINISH	MOUNTING	MANUFACTURER	SERIES OR TYPE (NOT A COMPLETE CAT. #)	VOLT/ WATT	LAMP(S)
A A	2x2 BACK LIT FLAT PANEL LED LUMINAIRE, WHITE HOUSING, SATIN WHITE DIFFUSER, 1% 0–10VDC DIMMING. **DESIGN LIGHTS CONSORTIUM LISTED**	CEILING RECESSED	ACUITY BRANDS LITHONIA LIGHTING	ENVX 2X2 HRG 3300LM 80CRI 25K MIN1 EZT MVOLT	120/ 277V 30W	LED, FURNISHED WITH LUMINAIRE 3,411 LUMEN 80 CRI 3,500K CCT
B4 B4	4" ROUND LED WAFER STYLE DOWN LIGHT LUMINAIRE, WHITE TRIM, 0–10VDC DIMMING, IC RATED DRIVERS. **ENERGY STAR LISTED**	CEILING RECESSED	ACUITY BRANDS LITHONIA LIGHTING	WF4 LED 27K30K35K MVOLT 90CRI MW	120/ 277V 11W	LED, FURNISHED WITH LUMINAIRE 741 LUMEN 90 CRI 3,500K CCT
B4A B4A	SIMILAR TO B4, EXCEPT MATTE BLACK FINISH					
B6 B6	6" ROUND LED WAFER STYLE DOWN LIGHT LUMINAIRE, WHITE TRIM, 0–10VDC DIMMING, IC RATED DRIVERS. **ENERGY STAR LISTED**	CEILING RECESSED	ACUITY BRANDS LITHONIA LIGHTING	WF6 LED 27K30K35K MVOLT 90CRI MW	120/ 277V 14W	LED, FURNISHED WITH LUMINAIRE 1,110 LUMEN 90 CRI 3,500K CCT
B6A B6A	SIMILAR TO B6, EXCEPT MATTE BLACK FINISH					
C8 C8	PENDANT MOUNT DIRECT/INDIRECT LED CYLINDER LUMINAIRE, 2"ø x 8"H, BEVEL BAFFLE, SOFT DIFFUSED LENS, STATIC WHITE OUTPUT, 50 DEGREE WIDE FLOOD DISTRIBUTION, BLACK POWER CORD WITH BLACK TEXTURED SWIVEL STEM. FINISH SELECTED BY ARCHITECT.	PENDANT HEIGHT AS INDICATED ON PLANS	LUMENWERX	AERA CYLINDER AE2CYP DI 8IN BVL SDL SW 50DEG 3STP 90CRI 35K UNV 7W 7W D1 1C FLR BPC BKS/#IN	120/ 277V 14W	LED, FURNISHED WITH LUMINAIRE 478 DIRECT LUMEN 273 INDIRECT LUMEN 90 CRI 3,500K CCT
C12 C12	PENDANT MOUNT DIRECT/INDIRECT LED CYLINDER LUMINAIRE, 2"ø x 12"H, BEVEL BAFFLE, SOFT DIFFUSED LENS, STATIC WHITE OUTPUT, 50 DEGREE WIDE FLOOD DISTRIBUTION, BLACK POWER CORD WITH BLACK TEXTURED SWIVEL STEM. FINISH SELECTED BY ARCHITECT.	PENDANT HEIGHT AS INDICATED ON PLANS	LUMENWERX	AERA CYLINDER AE2CYP DI 8IN BVL SDL SW 50DEG 3STP 90CRI 35K UNV 7W 7W D1 1C FLR BPC BKS/#IN	120/ 277V 14W	LED, FURNISHED WITH LUMINAIRE 478 DIRECT LUMEN 90 CRI 3,500K CCT
CS8 CS8	4"ø x 8"H, SURFACE MOUNT CYLINDER DOWNLIGHT BEVEL BAFFLE, SOFT DIFFUSED LENS, STATIC WHITE OUTPUT, 50 DEGREE WIDE FLOOD DISTRIBUTION. FINISH SELECTED BY ARCHITECT. **ENERGY STAR LISTED**	CEILING SURFACE	LUMENWERX	AE4CYS D 12IN __ BVL SDL SW 50DEG 2STP 80CRI 35K UNV 14W D1	120/ 277V 14W	LED, FURNISHED WITH LUMINAIRE 1,356 LUMEN 80 CRI 3,500K CCT
CS12 CS12	4"ø x 12"H, SURFACE MOUNT CYLINDER DOWNLIGHT BEVEL BAFFLE, SOFT DIFFUSED LENS, STATIC WHITE OUTPUT, 50 DEGREE WIDE FLOOD DISTRIBUTION. FINISH SELECTED BY ARCHITECT. **ENERGY STAR LISTED**	CEILING SURFACE	LUMENWERX	AE4CYS D 12IN __ BVL SDL SW 50DEG 2STP 80CRI 35K UNV 14W D1	120/ 277V 14W	LED, FURNISHED WITH LUMINAIRE 1,356 LUMEN 80 CRI 3,500K CCT
D D#	LINEAR DIRECT/INDIRECT PENDANT LED LUMINAIRE, 3.25"H x 2.25"D x X' (LENGTHS IDENTIFIED ON PLAN), ALUMINUM HOUSING, MATTE WHITE FINISH, FLUSH LENS, LAMBERTIAN DIRECT DISTRIBUTION, BATWING INDIRECT DISTRIBUTION, CLEAR DUST COVER, 0–10VDC 1% DIMMING; INTEGRAL DUAL–TECH OCCUPANCY SENSOR AND WIRELESS DIGITAL CONTROL COMMUNICATION.	CEILING SUSPENDED ~10'–0" AFF. COORDINATE WITH ARCHITECTURAL DRAWINGS	ALW	LIGHTPLANE+ LPX2 B SP F O S___ 05 35 80 SL V01 03 35 80 BW V01 SW B04 UNV OS/PH/INT AY	120V/ 277V 5.1 W/FT	LED, FURNISHED WITH LUMINAIRE 359 LUM/FT DIRECT 363 LUM/FT INDIRECT 90 CRI 3,500K CCT
BAFF	LINEAR ACOUSTIC BAFFLE, 8"H x 2–5/8"W x __'L, AIRCRAFT CABLE PENDANT, FINISH AS SELECTED BY ARCHITECT. *- IN COMMUNITY ROOM. REFER TO ARCHITECTS DOCUMENTS FOR LOCATIONS AND LENGTHS*	PENDANT AT HEIGHTS AS DIRECTED BY ARCHITECT	LUMENWERX	SQUERO ACOUSTIX SQUAOBP 9IN ACS	*NOT ELECT*	*NOT A LUMINAIRE*
E4 E4	48" DIAMETER LED DOWNLIGHT DECORATIVE RING LUMINAIRE, FINISH AS SELECTED BY ARCHITECT.	CEILING SURFACE	AMERICAN WHOLESALE LIGHTING (AWL)	MOONRING MR1.5 D4 CM MED 80 3500K V01 LENS N N N ___ UNV N	120/ 277V 97W	LED, FURNISHED WITH LUMINAIRE 6,000 LUMEN 80 CRI 3,500K CCT
E5 E5	60" DIAMETER LED DOWNLIGHT DECORATIVE RING LUMINAIRE, FINISH AS SELECTED BY ARCHITECT.	CEILING SURFACE	AMERICAN WHOLESALE LIGHTING (AWL)	MOONRING MR1.5 D5 CM MED 80 3500K V01 LENS N N N ___ UNV N	120/ 277V 122W	LED, FURNISHED WITH LUMINAIRE 7,500 LUMEN 80 CRI 3,500K CCT
WMB6 WMB6	WALL MOUNTED, ASSYMETRIC, LINEAR, LED ACCENT LUMINAIRE, THREE 6' FOR A 18' TOTAL LENGTH, 12" CANTILEVER ARMS, FINISH SELECTED BY ARCHITECT. AIM LUMINAIRE TO ARCHITECT AND OWNER SATISFACTION.	WALL AT ~8'–9" AFF	LUMENWERX	AXLE LED AXLWAD APO LED 90 550 35 18FT UNV D1 ARM12 __	120/ 277V 110W	LED, FURNISHED WITH LUMINAIRE 13,500 LUMEN 90 CRI 3,500K CCT
PA PA	PENDANT MOUNT DIRECT/INDIRECT LED CYLINDER LUMINAIRE, 2"ø X 12"H, BEVEL BAFFLE, SOFT DIFFUSED LENS, STATIC WHITE OUTPUT, 35 DEGREE NARROW FLOOD DISTRIBUTION, BLACK POWER CORD WITH BLACK TEXTURED SWIVEL STEM. FINISH SELECTED BY ARCHITECT. **ENERGY STAR LISTED**	PENDANT 6'–6" AFF	LUMENWERX	AERA CYLINDER AE2CYP DI 12IN BVL SDL SW 35DEG 3STP 90CRI 35K UNV 7W 7W D1 1C FLR BPC BKS/#IN	120/ 277V 14W	LED, FURNISHED WITH LUMINAIRE 478 DIRECT LUMEN 273 INDIRECT LUMEN 90 CRI 3,500K CCT
PMA 8 PMA8	DECORATIVE GLOBE PENDANT LED LUMINAIRE, 8"ø. FINISHES AS SELECTED BY ARCHITECT.	PENDANT AT HEIGHTS AS DIRECTED BY ARCHITECT	BASELITE	OPAL BALL OP8 LTCR LTCW 10W 35K LDM0–10V	120 10W	LED, FURNISHED WITH LUMINAIRE 1280 LUMEN 90 CRI 3,500K CCT
PMA 12 PMA12	DECORATIVE GLOBE PENDANT LED LUMINAIRE, 12"ø. FINISHES AS SELECTED BY ARCHITECT.	PENDANT AT HEIGHTS AS DIRECTED BY ARCHITECT	BASELITE	OPAL BALL OP12 LTCR LTCW 10W 35K LDM0–10V	120 10W	LED, FURNISHED WITH LUMINAIRE 1280 LUMEN 90 CRI 3,500K CCT
PMA 16 PMA16	DECORATIVE GLOBE PENDANT LED LUMINAIRE, 16"ø. FINISHES AS SELECTED BY ARCHITECT.	PENDANT AT HEIGHTS AS DIRECTED BY ARCHITECT	BASELITE	OPAL BALL OP16 LTCR LTCW 10W 35K LDM0–10V	120 12W	LED, FURNISHED WITH LUMINAIRE 1,481 LUMEN 90 CRI 3,500K CCT
PMI20 PMI20	DECORATIVE PENDANT LED LUMINAIRE, 20"ø, 5"H, AIRCRAFT CABLE TRI–PENDANT. FINISH AS SELECTED BY ARCHITECT; MAYBE DIFFERENT FOR INDIVIDUAL LUMINAIRES.	PENDANT AT HEIGHTS AS DIRECTED BY ARCHITECT	BROWNLEE	INNIE PENDANT 2680 20 R34 CC3 BLC 35K UP1	120 50W	LED, FURNISHED WITH LUMINAIRE; LUMEN: 2,858 DN, 1,600 UP 90 CRI 3,500K CCT
PMI30 PMI30	DECORATIVE PENDANT LED LUMINAIRE, 30"ø, 6"H, AIRCRAFT CABLE TRI–PENDANT. FINISH AS SELECTED BY ARCHITECT; MAYBE DIFFERENT FOR INDIVIDUAL LUMINAIRES.	PENDANT AT HEIGHTS AS DIRECTED BY ARCHITECT	BROWNLEE	INNIE PENDANT 2680 30 S49 CC3 BLC 35K UP1	120 65W	LED, FURNISHED WITH LUMINAIRE; LUMEN: 4,998 DN, 1,600 UP 90 CRI 3,500K CCT
PMI42 PMI42	DECORATIVE PENDANT LED LUMINAIRE, 42"ø, 6"H, AIRCRAFT CABLE TRI–PENDANT. FINISH AS SELECTED BY ARCHITECT; MAYBE DIFFERENT FOR INDIVIDUAL LUMINAIRES.	PENDANT AT HEIGHTS AS DIRECTED BY ARCHITECT	BROWNLEE	INNIE PENDANT 2680 42 S93 CC3 BLC 35K UP2	120 115W	LED, FURNISHED WITH LUMINAIRE; LUMEN: 10,410 DN, 2,220 UP 90 CRI 3,500K CCT

GENERAL NOTES:

REFER TO GENERAL NOTES ON DRAWING E1.0 WHICH APPLY TO THIS DRAWING, AS WELL AS ANY NOTES WHICH FOLLOW.

WLA

38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services of Vermont, LLC
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT — GLENN BARTENSTEIN — NO. 7469 — REGISTERED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

ELECTRICAL
LUMINAIRE SCHEDULE

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	CPB
DRAWN BY:	ESVT
SCALE:	As indicated

E5.1

LIGHTING CONTROL MATRIX

ROOM	MANUAL CONTROL	DIMMING CONTROL	DAYLIGHT SENSING	OCCUPANCY SENSOR	OCCUPANCY/ VACANCY	SCHEDULING	NOTES
LEVEL 2							
STAIR B, STAIR C	NONE	DAYLIGHT SENSOR	MAINTAIN MIN. 10FC	PIR INTEGRAL TO LUMINAIRE	OCCUPANCY	SCHEDULE PER OWNER DIRECTION	NETWORKED CONTROLS – OFF DURING UNOCCUPIED, WITH OCCUPANCY SENSOR BRINGING TO 100% OUTPUT; OCCUPIED HOURS FULL BRIGHTNESS
200 LEVEL 2 LANDING, 200D STAIR A	NONE	NONE	NONE	DUAL–TECH, PIR CEILING MOUNTED	OCCUPANCY	SCHEDULE PER OWNER DIRECTION	NETWORKED CONTROLS – DIM TO 2FC OR OFF DURING UNOCCUPIED, WITH OCCUPANCY SENSOR BRINGING TO 100% OUTPUT; OCCUPIED HOURS FULL BRIGHTNESS
201 ADULT COLLECTIONS	NONE	NONE	NONE	DUAL–TECH INTEGRAL TO LUMINAIRES	OCCUPANCY	SCHEDULE PER OWNER DIRECTION	NETWORKED CONTROLS – DIM TO 2FC OR OFF DURING UNOCCUPIED, WITH OCCUPANCY SENSOR BRINGING TO 100% OUTPUT; OCCUPIED HOURS FULL BRIGHTNESS (1)
202 ADULT GATHERING	NONE	NONE	MAINTAIN MINIMUM 30FC	DUAL–TECH CEILING MOUNTED	OCCUPANCY	SCHEDULE PER OWNER DIRECTION	NETWORKED CONTROLS – DIM TO 2FC OR OFF DURING UNOCCUPIED, WITH OCCUPANCY SENSOR BRINGING TO 100% OUTPUT; OCCUPIED HOURS FULL BRIGHTNESS
205 M.S. GATHERING, 207 H.S. GATHERING	LOW VOLTAGE DIMMING SWITCH	MANUAL	NONE	DUAL–TECH CEILING MOUNTED	OCCUPANCY	SCHEDULE PER OWNER DIRECTION	NETWORKED CONTROLS – DIM TO 2FC OR OFF DURING UNOCCUPIED, WITH OCCUPANCY SENSOR BRINGING TO 100% OUTPUT; OCCUPIED HOURS FULL BRIGHTNESS (1)
205A ELEC	MANUAL SWITCH	NONE	NONE	NONE	NONE	NONE	AUTOMATIC LIGHTING CONTROL IS NOT ALLOWED IN ELECTRIC ROOM AS PER NATIONAL ELECTRICAL CODE
205B STOR, 212 JAN, 216 SERVER	OCCUPANCY SENSOR SWITCH	NONE	NONE	PIR	VACANCY	NONE	–
208 MCTV STUDIO, 209 DIGITAL MEDIA LAB	LOW VOLTAGE DIMMING SWITCH	MANUAL	NONE	DUAL–TECH CEILING MOUNTED	OCCUPANCY	NONE	–
210, 211, 213 RESTROOMS	OCCUPANCY SENSOR SWITCH	NONE	NONE	DUAL–TECH	VACANCY	NONE	–
214 STAFF BREAK ROOM	LOW VOLTAGE DIMMING SWITCH	MANUAL	MAINTAIN 25FC MINIMUM	DUAL–TECH CEILING MOUNTED	OCCUPANCY	NONE	(1)
215 BOOK PROCESSING	LOW VOLTAGE DIMMING SWITCH	MANUAL	NONE	DUAL–TECH CEILING MOUNTED	OCCUPANCY	NONE	(1)
217 READING ROOM	LOW VOLTAGE DIMMING SWITCH	MANUAL	NONE	DUAL–TECH CEILING MOUNTED	OCCUPANCY	SCHEDULE PER OWNER DIRECTION	NETWORKED CONTROLS – DIM TO 2FC OR OFF DURING UNOCCUPIED, WITH OCCUPANCY SENSOR BRINGING TO 100% OUTPUT; OCCUPIED HOURS FULL BRIGHTNESS
218 STUDY, 219 OPEN STUDY	LOW VOLTAGE DIMMING SWITCH	MANUAL	NONE	DUAL–TECH CEILING MOUNTED	OCCUPANCY	NONE	(1)
221 STORAGE	OCCUPANCY SENSOR SWITCH	NONE	NONE	DUAL–TECH	VACANCY	NONE	–

AUTOMATIC LIGHTING CONTROL DEVICE SCHEDULE

SYMBOL	TYPE/DESCRIPTION	VOLTS/WATTS/AMPS	MANUFACTURER	SERIES/CATALOG NO.	COVERAGE/PATTERN
PIR	PASSIVE–INFRARED CEILING MOUNT SENSOR	20A SWITCH LOAD, 15VDC CONTROL 5W, 120V INPUT	SENSOR SWITCH	CM–9 SENSOR; PP20/PP20–2P POWER PACK	450 SQUARE FEET 14' RADIUS 360° COVERAGE
DT	DUAL TECHNOLOGY CEILING MOUNT SENSOR	20A SWITCH LOAD, 15VDC CONTROL; 5W, 120V INPUT	SENSOR SWITCH	CM–PDT–9 SENSOR; PP20/PP20–2P POWER PACK	450 SQUARE FEET 14' RADIUS 360° COVERAGE
$_{PIR}	PASSIVE–INFRARED WALL SWITCH SENSOR D = DIMMING 3 = 3 WAY	800W SWITCH LOAD, 120/277V RATED	SENSOR SWITCH	WSX	630 SQUARE FEET 20' RADIUS 180° COVERAGE
$_{DT}	DUAL TECHNOLOGY WALL SWITCH SENSOR D = DIMMING 3 = 3 WAY	800W SWITCH LOAD, 120/277V RATED	SENSOR SWITCH	WSX–PDT	630 SQUARE FEET 20' RADIUS 180° COVERAGE
$_{LV}	LOW VOLTAGE MOMENTARY CONTACT ON/OFF SWITCH WITH DIMMING COMPATIBLE WITH OCC SENSOR CONTROLS	12–24 VAC/VDC D = DIMMING 3 = 3 WAY	SENSOR SWITCH	sPODM SERIES PROVIDE 3–WAY, 4–WAY, 0–10VDC DIMMING, AS INDICATED AND AS REQUIRED FOR CONTROL OPERATIONS	
CORRIDOR, LOBBY, & STAIR CONTROLS :					
PIR_N	PASSIVE–INFRARED CEILING MOUNT SENSOR DS = WITH INTEGRAL DAYLIGHT SENSOR	nLIGHT COMMUNICATION CAT5E CABLING	ACUITY BRANDS nLIGHT	nCM–9; nPP16 POWER PACK	615 SQUARE FEET 14' RADIUS 360° COVERAGE
DT_N	DUAL TECHNOLOGY CEILING MOUNT SENSOR DS = WITH INTEGRAL DAYLIGHT SENSOR	nLIGHT COMMUNICATION CAT5E CABLING	ACUITY BRANDS nLIGHT	nCM–9–PDT; nPP16 POWER PACK	
AR	AUXILIARY OUTPUT RELAY	nLIGHT COMMUNICATION CAT5E CABLING	ACUITY BRANDS nLIGHT	nAR40 40VAC/VDC	

AUTOMATIC LIGHTING CONTROL DEVICE SCHEDULE GENERAL NOTES:

1. INSTALL OCCUPANCY SENSOR CONTROL DEVICES AND ALL ACCESSORIES AS PER MANUFACTURER'S RECOMMENDATIONS TO OPTIMIZE CONTROLLER ABILITY (IE: AVOID PLACEMENT NEAR HVAC LOUVERS, MASKING OF SENSORS, ETC.).
   1.1. SENSOR LOCATIONS INDICATED ON PLAN ARE APPROXIMATE; PROVIDE QUANTITIES NECESSARY AND LOCATE SENSORS AS PER THE MANUFACTURER'S APPROVED SHOP DRAWINGS.
   1.2. WIRING OF AUTOMATIC LIGHTING CONTROLS AS INDICATED ON THE PLAN DRAWINGS IS INTENDED ONLY TO PROVIDE SWITCHGROUP DIRECTION; INTERCONNECT AUTOMATIC CONTROLS, MANUAL SWITCHES AND LUMINAIRES AS PER MANUFACTURER'S RECOMMENDATIONS.
2. INDICATE FINAL LOCATIONS OF SENSORS AND ASSOCIATED DEVICES (SWITCHES, POWER PACKS/POWER SUPPLY MODULES) ON AS–BUILT DOCUMENTS.
3. DUAL TECHNOLOGY SENSORS SHALL EMPLOY A COMBINATION OF PASSIVE–INFRARED AND EITHER ULTRASONIC OR MIRCRO–PHONIC TECHNOLOGY TO SENSE THE PRESENCE OF OCCUPANTS IN A SPACE.
4. PROVIDE SENSOR FOR SURFACE OR RECESSED MOUNTING AS APPROPRIATE.
5. REFER TO AUTOMATIC LIGHTING CONTROLS PERFORMANCE SPECIFICATION FOR ADDITIONAL INFORMATION.
6. **PROVIDE OUTPUT CONTACT FOR CONTROL OF TOP HALF SWITCHED RECEPTACLES, WHERE INDICATED ON PLANS.**

LIGHTING CONTROL MATRIX

ROOM	MANUAL CONTROL	DIMMING CONTROL	DAYLIGHT SENSING	OCCUPANCY SENSOR	OCCUPANCY/ VACANCY	SCHEDULING	NOTES
BASEMENT							
1A STAIR A	NONE	NONE	NONE	PIR CEILING MOUNTED	OCCUPANCY	NONE	--
003 ELEC	MANUAL SWITCH	NONE	NONE	NONE	NONE	NONE	AUTOMATIC LIGHTING CONTROL IS NOT ALLOWED IN ELECTRIC ROOM AS PER NATIONAL ELECTRICAL CODE
MECH	LOW VOLTAGE SWITCH	NONE	NONE	DUAL–TECH CEILING MOUNTED	OCCUPANCY	NONE	--
009 FRIENDS, 006 MCTV & 007 GENERAL STORAGE	MANUAL SWITCH	NONE	NONE	DUAL–TECH CEILING MOUNTED	OCCUPANCY	NONE	(1)
009 EMR	MANUAL SWITCH	NONE	NONE	NONE	NONE	NONE	AUTOMATIC LIGHTING CONTROL IS NOT ALLOWED IN ELEVATOR MACHINE ROOM AS PER CODE
1A STAIR A	NONE	NONE	NONE	PIR CEILING MOUNTED	OCCUPANCY	SCHEDULE PER OWNER DIRECTION	NETWORKED CONTROLS – DIM TO 2FC OR OFF DURING UNOCCUPIED, WITH OCCUPANCY SENSOR BRINGING TO 100% OUTPUT; OCCUPIED HOURS FULL BRIGHTNESS
011 STORAGE	OCCUPANCY SENSOR SWITCH	NONE	NONE	PIR	VACANCY	NONE	–

LIGHTING CONTROL MATRIX

ROOM	MANUAL CONTROL	DIMMING CONTROL	DAYLIGHT SENSING	OCCUPANCY SENSOR	OCCUPANCY/ VACANCY	SCHEDULING	NOTES
LEVEL 1							
STAIR B, STAIR C	NONE	DAYLIGHT SENSOR	MAINTAIN MIN. 10FC	PIR INTEGRAL TO LUMINAIRE	OCCUPANCY	SCHEDULE PER OWNER DIRECTION	NETWORKED CONTROLS – OFF DURING UNOCCUPIED, WITH OCCUPANCY SENSOR BRINGING TO 100% OUTPUT; OCCUPIED HOURS FULL BRIGHTNESS
100, 111, 121 ENTRY VESTIBULE	NONE	DAYLIGHT SENSOR	MAINTAIN MIN. 10FC	PIR CEILING MOUNTED	OCCUPANCY	ON/OFF SCHED PER OWNER DIRECTION	NETWORKED CONTROLS – DIM TO 2FC OR OFF DURING UNOCCUPIED, WITH OCCUPANCY SENSOR BRINGING TO 100% OUTPUT; OCCUPIED HOURS FULL BRIGHTNESS WITH DAYLIGHT SENSOR CONTROLLING LIGHT LEVELS
101 ATRIUM MAIN STREET	NONE	DAYLIGHT	MAINTAIN 10FC MINIMUM	PIR CEILING MOUNTED	OCCUPANCY	SCHEDULE PER OWNER DIRECTION	NETWORKED CONTROLS – DIM TO 2FC OR OFF DURING UNOCCUPIED, WITH OCCUPANCY SENSOR BRINGING TO 100% OUTPUT; OCCUPIED HOURS FULL BRIGHTNESS TYPE F SHALL OPERATE ON TIME CONTROL, ONLY
102 WELCOME DESK	LOW VOLTAGE DIMMING SWITCH	MANUAL	NONE	DUAL–TECH CEILING MOUNTED	OCCUPANCY	SCHEDULE PER OWNER DIRECTION	NETWORKED CONTROLS
103, 108, 109, 117, 118 RESTROOMS	OCCUPANCY SENSOR SWITCH	NONE	NONE	DUAL–TECH	VACANCY	NONE	–
104 STAFF WORK AREA	LOW VOLTAGE DIMMING SWITCH	MANUAL	NONE	DUAL–TECH LUMINAIRE MOUNTED	VACANCY	NONE	NETWORKED CONTROLS (1)
105 DIRECTOR	LOW VOLTAGE DIMMING SWITCH	MANUAL	NONE	DUAL–TECH LUMINAIRE MOUNTED	VACANCY	NONE	NETWORKED CONTROLS (1)
106 CORRIDOR	NONE	MANUAL	NONE	PIR CEILING MOUNTED	OCCUPANCY	SCHEDULE PER OWNER DIRECTION	NETWORKED CONTROLS – DIM TO 2FC OR OFF DURING UNOCCUPIED, WITH OCCUPANCY SENSOR BRINGING TO 100% OUTPUT; OCCUPIED HOURS FULL BRIGHTNESS
106A JANITOR	OCCUPANCY SENSOR SWITCH	NONE	NONE	PIR	VACANCY	NONE	–
110 COMMUNITY ROOM	LOW VOLTAGE DIMMING SWITCHES	MANUAL	NONE	DUAL–TECH INTEGRAL TO LUMINAIRES	VACANCY	NONE	NETWORKED CONTROLS (1)
110B STORAGE, 110C AV	OCCUPANCY SENSOR SWITCH	NONE	NONE	PIR	VACANCY	NONE	–
112 ACTIVITIES	LOW VOLTAGE DIMMING SWITCH	MANUAL	NONE	DUAL–TECH CEILING MOUNTED	OCCUPANCY	SCHEDULE PER OWNER DIRECTION	NETWORKED CONTROLS – DIM TO 2FC OR OFF DURING UNOCCUPIED, WITH OCCUPANCY SENSOR BRINGING TO 100% OUTPUT; OCCUPIED HOURS FULL BRIGHTNESS
113 ELEC	MANUAL SWITCH	NONE	NONE	NONE	NONE	NONE	AUTOMATIC LIGHTING CONTROL IS NOT ALLOWED IN ELECTRIC ROOM AS PER NATIONAL ELECTRICAL CODE
114 STORAGE	LOW VOLTAGE DIMMING	MANUAL	NONE	PIR CEILING MOUNTED	VACANCY	NONE	–
115 STAFF	LOW VOLTAGE DIMMING SWITCH	MANUAL	NONE	DUAL–TECH LUMINAIRE MOUNTED	VACANCY	NONE	(1)
116 CHILDREN'S COLLECTION	NONE	NONE	NONE	DUAL–TECH INTEGRAL TO LUMINAIRES	OCCUPANCY	SCHEDULE PER OWNER DIRECTION	NETWORKED CONTROLS – DIM TO 2FC OR OFF DURING UNOCCUPIED, WITH OCCUPANCY SENSOR BRINGING TO 100% OUTPUT; OCCUPIED HOURS FULL BRIGHTNESS
119 WIGGLE ROOM	LOW VOLTAGE DIMMING SWITCH	MANUAL	NONE	DUAL–TECH CEILING MOUNTED	OCCUPANCY	SCHEDULE PER OWNER DIRECTION	NETWORKED CONTROLS – DIM TO 2FC OR OFF DURING UNOCCUPIED, WITH OCCUPANCY SENSOR BRINGING TO 100% OUTPUT; OCCUPIED HOURS FULL BRIGHTNESS (1)
120 FLEX CONFERENCE	LOW VOLTAGE DIMMING	MANUAL	NONE	DUAL–TECH CEILING MOUNTED	VACANCY	NONE	(1)
122 SALT, 123 BOOK DROP	OCCUPANCY SENSOR SWITCH	NONE	NONE	PIR	VACANCY	NONE	–
127, 128 QUIET STUDY	LOW VOLTAGE DIMMING	MANUAL	NONE	DUAL–TECH CEILING MOUNTED	VACANCY	NONE	(1)

LIGHTING CONTROL PERFORMANCE SPECIFICATION

1. GENERAL LIGHTING CONTROL OPERATIONS:

1.1. PROVIDE STAND–ALONE LIGHTING CONTROLS AND IN SOME SPACES A NETWORKED LIGHTING CONTROL SYSTEM OF MANUAL SWITCHES, OCCUPANCY SENSORS AND DAYLIGHT SENSORS. SYSTEM SHALL BE DESIGN LIGHTS CONSORTIUM LISTED.

1.1.1. REFER TO LIGHTING CONTROL MATRIX FOR VACANCY OR OCCUPANCY OPERATION OF THE LIGHTING CONTROLS FOR EACH SPACE

.

1.5.1.1. VACANCY SENSING: LUMINAIRES IN THE SPACE MAY BE TURNED OFF MANUALLY OR AUTOMATICALLY BASED UPON NO OCCUPANCY; LUMINAIRES MAY ONLY BE TURNED ON MANUALLY

1.5.1.2. OCCUPANCY SENSING: LUMINAIRES IN THE SPACE MAY BE TURNED OFF MANUALLY OR AUTOMATICALLY BASED UPON NO OCCUPANCY. TO TURN ON THE LUMINAIRES, IF THE MANUAL SWITCH IS LEFT IN THE ON POSITION, THE LUMINAIRES WILL TURN ON AUTOMATICALLY AS PRESENCE IS SENSED; IF SWITCH IS LEFT IN THE OFF POSITION, IT MUST BE MANUALLY SWITCHED TO TURN ON THE LUMINAIRES.

1.5.2. MANUAL SWITCHES SHALL OPERATE SUCH THAT WHEN OCCUPANCY SENSOR OPERATES AS A "VACANCY SENSOR" AND THE LUMINAIRES MUST BE TURNED BACK ON MANUALLY.

1.5.2.1. WHERE NECESSARY, PROVIDE 3–WAY AND 4–WAY TYPE.

1.5.2.2. WHERE INDICATED, PROVIDE MANUAL DIMMING INTEGRAL TO SWITCH.

1.5.3. CONTROL SYSTEM SHALL BE CAPABLE OF SETTING/MAINTAINING LIGHTING LEVELS IN EACH SPACE (TRIM LEVELS).

1.5.4. PROVIDE INTERLOCK TO OUTPUT CONTACT SIGNAL FROM OCCUPANCY SENSORS WHERE INDICATED ON PLAN TO CONTROL TOP HALF SWITCHED RECEPTACLES.

1.5.5. LIGHTING CONTROL SYSTEM SHALL BE CAPABLE OF BACNET COMMUNICATIONS FOR FUTURE INTERCONNECTION TO THE OWNER'S NETWORK SYSTEM.

1.5.6. IT IS THE CONTRACTOR'S OPTION TO PROVIDE OCCUPANCY SENSORS INTEGRAL TO THE LUMINAIRES IN LIEU OF CEILING MOUNTED OCCUPANCY SENSORS.

1.5.7. BASIS OF DESIGN PRODUCTS FOR NETWORKED LIGHTING CONTROL SYSTEM ARE PRODUCTS AS IDENTIFIED IN THE AUTOMATIC LIGHTING CONTROL DEVICE SCHEDULE (nLIGHT AIR, ACUITY BRANDS PRODUCTS). SIMILAR LIGHTING CONTROL SYSTEMS WITH SAME OPERATIONAL PARAMETERS MAY ALSO BE ACCEPTABLE, PENDING SUBMITTAL PROCEDURE APPROVAL, SUCH AS CRESTRON AIR, PHILIPS SPACEWISE. CONTRACTOR SHALL BE RESPONSIBLE FOR CONSIDERING ANY DIFFERENCES IN LUMINAIRE OPTIONS, WIRING AND CONTROL DEVICES WHETHER PROVIDING A BASIS OF DESIGN SYSTEM OR A SUBSTITUTE SYSTEM (MATERIALS, METHODS, COSTS, ETC.).

1.5.8. AUTOMATIC LIGHTING CONTROL EQUIPMENT SHALL BE PRODUCTS OF ONE MANUFACTURER.

1.6. DIMMING CONTROL: COORDINATE AUTOMATIC AND MANUAL DIMMING CONTROL REQUIREMENTS WITH LUMINAIRE BEING CONTROLLED, PROVIDING PROPER CONTROL DEVICE AND ASSOCIATED WIRING TO SUIT DIMMING PROTOCOL (0–10VDC, DIGITAL, TRIAC, ELV, ETC.).

2. DAYLIGHT SENSORS: PROVIDE DAYLIGHT DIMMING (0–10VDC) CONTROL OF LUMINAIRES BASED UPON AVAILABLE DAYLIGHT. ADJUST CONTROL FOR LUMINAIRE TO PROVIDE FOOT–CANDLE LEVELS INDICATED IN SCHEDULES, AVERAGE, MAINTAINED WHEN DAYLIGHT IS AVAILABLE, MINIMUM.

2.1. DAYLIGHT DIMMING CONTROLS AND MANUAL DIMMING CONTROLS WORK TOGETHER SUCH THAT THE DIMMED LIGHTING LEVEL IN THE SPACE IS CONTROLLED BY WHICHEVER DIMMING CONTROL (DAYLIGHT OR MANUAL) IS DEMANDING LESS LIGHT OUTPUT

3. UL924 RELAYS SHALL EMPLOYED TO DISABLE AUTOMATIC CONTROLS AND ENERGIZE THE LIGHTING IN EGRESS PATHWAYS UPON SIGNAL THAT FIRE ALARM SYSTEM IS IN "ALARM".

3.1. BASIS OF DESIGN FOR UL924 RELAYS IS CARPENTER EMERGENCY LIGHTING #CBR–1D

4. EXTERIOR LIGHTING SHALL BE CONTROLLED BY EXTERIOR LIGHTING CONTROL TIMECLOCK WITH PHOTOCELL INPUT, UNLESS OTHERWISE NOTED.

4.1. CHANNEL 1 – EXTERIOR POLE LIGHTS EAST
4.2. CHANNEL 2 – EXTERIOR BUILDING MOUNTED LIGHTS
4.3. CHANNEL 3 – EXTERIOR FRONT WALL, BENCH LIGHTS
4.4. CHANNEL 4 – TERRACE STEP LIGHTS, BENCH TAPE LIGHT
4.5. CHANNEL 5 – TERRACE WALL PACK
4.6. CHANNEL 6 – SPARE
4.7. CHANNEL 7 – SPARE
4.8. CHANNEL 8 – SPARE

4.9. POLE MOUNTED LUMINAIRES SHALL BE PROVIDED WITH DIMMING/TIME CONTROLS INTEGRAL TO THE LUMINAIRE.

4.9.1. POLE LUMINAIRE ON/OFF CONTROL SHALL BE PROVIDED VIA THE EXTERIOR LIGHTING CONTROL TIMECLOCK.

4.9.2. CONTROLS INTEGRAL TO THE LUMINAIRE SHALL PROVIDE OPERATIONAL DIMMING/TIME CONTROLS TO PROVIDE THE FOLLOWING OPERATION:

4.9.2.1. UPON SIGNAL FROM EXTERIOR LIGHTING CONTROL TIMECLOCK, LUMINAIRES SHALL BE ON AT FULL BRIGHTNESS.

4.9.2.2. FOR 7 HOURS IN THE MIDDLE OF NIGHT–TIME OPERATION, LUMINAIRES WILL DIM TO 50% OUTPUT.

4.9.2.3. DURING THE TIME THE LUMINAIRES ARE AT 50% OUTPUT, IF THE MOTION SENSOR INTEGRAL TO THE LUMINAIRE DETECTS MOTION, THE LUMINAIRE WILL RETURN TO 100% OUTPUT FOR 5 MINUTES.

4.9.2.4. AT THE END OF THE 7 HOURS AT DAWN, IF THE TIMECLOCK IS ALLOWING THE LUMINAIRES TO BE ON, THE LUMINAIRES WILL RETURN TO 100% OUTPUT UNTIL THE TIMECLOCK CONTROL TURNS THEM OFF.

5. ALL LIGHTING CONTROL CONDUCTORS AND CABLES SHALL BE INSTALLED AS PER GENERAL NOTES ON DRAWING E1. ALL LIGHTING CONTROL WIRING SHALL BE IN RACEWAYS WHERE RUN EXPOSED. ALL LIGHTING CONTROL WIRING CONNECTIONS SHALL BE MADE IN BOXES; EXPOSED LOW VOLTAGE WIRING CONNECTIONS ARE NOT ALLOWED.

5.1. 0–10VDC CABLING SHALL BE 18 GAUGE, PINK AND VIOLET, 300V RATED.

3. PROVIDE SUBMITTAL INFORMATION SPECIFIC FOR CONTROL SYSTEM, INCLUDING WIRING DIAGRAMS SPECIFIC FOR THE PROJECT SHOWING ALL INTERCONNECTION WIRING AND DEVICES.

3.1. INCLUDE INFORMATION ON EACH TYPE OF DEVICE BEING USED; INDICATE SPECIFIC DEVICE ON SUBMITTAL.
3.2. ENSURE COMPATIBILITY WITH LUMINAIRES BEING CONTROLLED.
3.3. PROVIDE WIRING DIAGRAMS SHOWING CONTROL GROUP WIRING. DIAGRAMS MAY BE TYPICAL FOR SIMILARLY CONTROLLED SPACES BUT SHALL BE PREPARED SPECIFIC FOR PROJECT AND SHOW ALL INTERCONNECTION WIRING.
3.4. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.

4. CONTRACTOR INCLUDE A MANUFACTURER TRAINED TECHNICIAN TO PROVIDE ALL NECESSARY PROGRAMMING, ADJUSTMENTS AND COMMISSIONING OF THE LIGHTING CONTROL SYSTEM TO ENSURE OPERATION IS TO OWNER'S SATISFACTION.

4.1. PROVIDE A MINIMUM OF TWO DAYS OF TRAINING FOR BGS O&M STAFF. ONE PRIOR TO OCCUPANCY AND THE SECOND SIX MONTHS AFTER OCCUPANCY.
4.2. CONTRACTOR SHALL PROVIDE COMMISSIONING OF LIGHTING CONTROLS AS PER 2024 CBES, C407.

DRAWING NOTES:

THESE DRAWING NOTES APPLY TO THIS DRAWING, ONLY.

(1) PROVIDE INTERLOCK TO OUTPUT CONTACT SIGNAL FROM OCCUPANCY SENSORS WHERE INDICATED ON PLAN TO CONTROL TOP HALF SWITCHED RECEPTACLES.

GENERAL NOTES:

REFER TO GENERAL NOTES ON DRAWING E1.0 WHICH APPLY TO THIS DRAWING, AS WELL AS ANY NOTES WHICH FOLLOW.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020

wla-vt.com

Engineering Services of Vermont, LLC
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT CLAUDE BARTLETT NO. 7469 REGISTERED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

ELECTRICAL LIGHTING CONTROLS

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	CPB
DRAWN BY:	ESVT
SCALE:	As indicated

E5.2

MECHANICAL EQUIPMENT SCHEDULE

⊖	DESCRIPTION	LOAD	VOLTAGE SYSTEM	CONDUCTORS AND CONDUIT	CIRCUIT PROTECT	CONTACTOR OR STARTER	LOCAL DISCONNECT	REMARKS
HP1, HP3	INDOOR AIR TO WATER HEAT PUMP	5.6 MCA	208V, 1ø	(2#12, 1#12G) 1/2"C.	15A2P	INTEGRAL TO EQUIPMENT	INTEGRAL TO EQUIPMENT	(3)
HP2A, HP2B, HP12	INDOOR AIR TO WATER HEAT PUMP	11.1 MCA	208V, 1ø	(2#12, 1#12G) 1/2"C.	15A2P	INTEGRAL TO EQUIPMENT	(5)	(3)
HP4,6, 7,9,15	INDOOR AIR TO WATER HEAT PUMP	6.8 MCA	208V, 1ø	(2#12, 1#12G) 1/2"C.	15A2P	INTEGRAL TO EQUIPMENT	(5)	(3)
HP5,8	INDOOR AIR TO WATER HEAT PUMP	4.7 MCA	208V, 1ø	(2#12, 1#12G) 1/2"C.	15A2P	INTEGRAL TO EQUIPMENT	(5)	(3)
HP10	INDOOR AIR TO WATER HEAT PUMP	28 MCA	208V, 3ø	(3#8, 1#10G) 1/2"C.	40A3P	INTEGRAL TO EQUIPMENT	(5)	(3)
HP18, 20A, 20B,20C	INDOOR AIR TO WATER HEAT PUMP	4.9 MCA	208V, 1ø	(2#12, 1#12G) 1/2"C.	15A2P	INTEGRAL TO EQUIPMENT	(5)	(3)
HP11	INDOOR AIR TO WATER HEAT PUMP	11.7 MCA	208V, 1ø	(3#12, 1#12G) 1/2"C.	15A3P	INTEGRAL TO EQUIPMENT	(5)	(3)
HP13	INDOOR AIR TO WATER HEAT PUMP	19.5 MCA	208V, 3ø	(3#10, 1#10G) 1/2"C.	30A3P	INTEGRAL TO EQUIPMENT	(5)	(3)
HP14A, 14B,14C HP-17	INDOOR AIR TO WATER HEAT PUMP	10.9 MCA	208V, 3ø	(3#12, 1#12G) 1/2"C.	15A3P	INTEGRAL TO EQUIPMENT	(5)	(3)
HP16, HP19	INDOOR AIR TO WATER HEAT PUMP	9.8 MCA	208V, 1ø	(2#12, 1#12G) 1/2"C.	15A2P	INTEGRAL TO EQUIPMENT	(5)	(3)
HP21	INDOOR WATER TO WATER HEAT PUMP	24.1 MCA	208V, 1ø	(2#8, 1#10G) 1/2"C.	35A2P MOCP	INTEGRAL TO EQUIPMENT	60A2P NON-FUSED NEMA 1	(3)
HP22	INDOOR WATER TO WATER HEAT PUMP	24.1 MCA	208V, 1ø	(2#8, 1#10G) 1/2"C.	35A2P MOCP	INTEGRAL TO EQUIPMENT	(5)	(3)
HP23	INDOOR WATER TO WATER HEAT PUMP	4.9 MCA	208V, 1ø	(2#12, 1#12G) 1/2"C.	15A2P	INTEGRAL TO EQUIPMENT	(5)	(3)
EF1	CEILING EXHAUST FAN	0.45 AMPS	120V, 1ø	(2#12, 1#12G) 1/2"C.	20A1P	BY MECHANICAL	(5)	(3)
P1	CIRCULATOR PUMP	5 HP	208V 3ø	(3#10, 1#10G) 1/2"C.	30A3P	INTEGRAL TO PUMP	30A3P NON-FUSED NEMA 1	(3)
P1A	CIRCULATOR PUMP	5 HP	208V 3ø	(3#10, 1#10G) 1/2"C.	30A3P	INTEGRAL TO PUMP	30A3P NON-FUSED NEMA 1	(3)
PC1, C2,C4, C5,C6	CIRCULATOR PUMP	0.24 HP	208V 1ø	(2#12, 1#12G) 1/2"C.	15A2P	INTEGRAL TO PUMP	MOTOR SWITCH 2-POLE	(3)
GP1, GP2	GEOTHERMAL WELL PUMPS ***NOT YET SELECTED; WELLS NOT YET LOCATED***	40 HP	208V 3ø	(3#1/0, 1#6G) 1.5"C. TO VFD VIA DISCONNECT SWITCH (3#---, 1#-G) --"C. VFD TO WELL PUMP	200A3P	VFD SUPPLIED BY MECHANICAL	INTEGRAL TO VFD	(3)
RTU1	ROOFTOP GEOTHERMAL HEAT PUMP UNIT	53 MCA	208V 3ø	(3#6, 1#10G) 3/4"C.	60A3P MOCP	INTEGRAL TO EQUIPMENT	INTEGRAL TO EQUIPMENT	(3) (7)
HRU1	ROOFTOP GEOTHERMAL HEAT RECOVERY HEAT PUMP UNIT	53 MCA	208V 3ø	(3#6, 1#10G) 3/4"C.	60A3P MOCP	INTEGRAL TO EQUIPMENT	INTEGRAL TO EQUIPMENT	(3) (7)
HRU2	INDOOR HEAT RECOVERY UNIT	1.5 HP	208V, 1ø	(2#12, 1#12G) 1/2"C.	20A2P	INTEGRAL TO EQUIPMENT	INTEGRAL TO EQUIPMENT	(3)
CU1	OUTDOOR DUCTLESS SPLIT AIR CONDITIONER	19.5 MCA	208V, 1ø	(2#10, 1#10G) 1/2"C.	30A2P MOCP	INTEGRAL TO EQUIPMENT	30A2P NON-FUSED NEMA 3R	(1)
AC1	INDOOR DUCTLESS SPLIT AIR CONDITIONER			(3#10, 1#10G) 1/2"C. POWERED FROM CU1		(8)		
CU2	OUTDOOR DUCTLESS SPLIT AIR CONDITIONER	19.5 AMPS	208V, 1ø	(2#10, 1#10G) 1/2"C.	30A2P MOCP	INTEGRAL TO EQUIPMENT	30A2P NON-FUSED NEMA 3R	(1)
AC2	INDOOR DUCTLESS SPLIT AIR CONDITIONER			(3#10, 1#10G) 1/2"C. POWERED FROM CU1		(8)		
HAC1	HEATED AIR CURTAIN	62.7 FLA	208V, 3ø	(3#2, 1#8G) 1.25"C.	80A3P	INTEGRAL TO EQUIPMENT	(5)	(3)
HAC2, HAC3	HEATED AIR CURTAIN	29.2 FLA	208V, 3ø	(3#8, 1#10G) 3/4"C.	40A3P	INTEGRAL TO EQUIPMENT	(5)	(3)
EB1	ELECTRIC BASEBOARD HEATER	500 WATT	208V, 1ø	(2#12, 1#12G) 1/2"C.	15A2P	BY MECHANICAL	(5)	(1)
WH1	ELECTRIC WATER HEATER	4.5 KW	208V, 1ø	(2#10, 1#10G) 1/2"C.	30A2P	INTEGRAL TO EQUIPMENT	30A2P NON-FUSED NEMA 1	(1)
WH2	ELECTRIC WATER HEATER	4.5 KW	208V, 1ø	(2#10, 1#10G) 1/2"C.	30A2P	INTEGRAL TO EQUIPMENT	30A2P NON-FUSED NEMA 1	(1)
WH3	TANKLESS WATER HEATER	2.4 KW	120V, 1ø	(2#10, 1#10G) 1/2"C.	25A1P MOCP	INTEGRAL TO EQUIPMENT	(5)	(1)

ABBREVIATIONS
FLA = FULL LOAD AMPS
HP = MOTOR HORSEPOWER
KW = KILOWATTS
MCA = MINIMUM CIRCUIT AMPS
MOCP = MAXIMUM OVER-CURRENT PROTECTION

BUILDING EQUIPMENT SCHEDULE

⊖	DESCRIPTION	LOAD	VOLTAGE SYSTEM	CONDUCTORS AND CONDUIT	CIRCUIT PROTECT	CONTACTOR OR STARTER	LOCAL DISCONNECT	REMARKS
ELV-1	TRACTION ELEVATOR (2) ***CONTROLLER IN EMR, MACHINE AT TOP OF SHAFT***	46 FLA (RUNNING)	208V, 3ø	(3#4, 1#4G) 1"C. FEED TO CONTROLLER (3#4, 1#4G) 1"C. FEED FROM CONTROL'R TO MACHINE	60A3P MOCP	FURNISHED WITH ELEVATOR	60A3P FRN-R-60A NEMA 1 60A3P NON-FUSED NEMA 1	SHUNT TRIP NOT REQUIRED (1) (2)
$\bigcirc_A$	TYPICAL ELECTRIC COOKING RANGE RECEPTACLE	8 KW	208V, 1ø	(2#6, 1#6N, 1#6G)AL SE CABLE	50A2P	INTEGRAL TO RANGE	CORD/PLUG CONNECTION NEMA 14-50	(3) (4) (9)
$\bigcirc_B$	TYPICAL ELECTRIC CLOTHES DRYER RECEPTACLE	5 KW	208V, 1ø	(2#10, 1#10N, 1#10G)AL SE CABLE	30A2P	INTEGRAL TO DRYER	CORD/PLUG CONNECTION NEMA 14-30	(3) (4)
EV1	LEVEL 2 DUAL PORT ELECTRIC VEHICLE CHARGING STATION	(2)7.2 KW	208V, 1ø	(4#6, 1#10G) 1"C.	(2)40A2P	INTEGRAL TO VEHICLE	(5)	(3) (6)
WP1	WELL PUMP	40 HP (ESTIMATED)	208V, 3ø	3#3/0 CU, 1#6G) 2"C.	200A3P	WELL PUMP PRESSURE SWITCH	200A3P NON-FUSED NEMA 1	(3)

ABBREVIATIONS
FLA = FULL LOAD AMPS
HP = MOTOR HORSEPOWER
KW = KILOWATTS
MCA = MINIMUM CIRCUIT AMPS
MOCP = MAXIMUM OVER-CURRENT PROTECTION

GENERAL NOTES:

REFER TO GENERAL NOTES ON DRAWING E1.0 WHICH APPLY TO THIS DRAWING, AS WELL AS GENERAL NOTES WHICH FOLLOW.

DRAWING NOTES:

THESE DRAWING NOTES APPLY TO THIS DRAWING, ONLY.

(1) PROVIDE (2) DISCONNECTS; (1) IN ELEVATOR MACHINE ROOM, (1) AT THE TOP OF THE ELEVATOR SHAFT. DISCONNECTS SHALL HAVE NO/NC OUTPUT CONTACTS REFLECTING POSITION OF SWITCH.

(2) TRACTION ELEVATOR EQUIPMENT INFORMATION IS PER THE BASIS OF DESIGN PRODUCT, KONE MONOSPACE 500DX MRL. CONTRACTOR TO VERIFY WITH APPROVED ELEVATOR SHOP DRAWING AND PROVIDE COMPLETE CONNECTIONS BETWEEN POWER SUPPLY, CONTROLLER, AND ELEVATOR MACHINE AS REQUIRED.

(3) ELECTRICAL CONNECTION INFORMATION IS BASED UPON THE SPECIFIED "BASIS OF DESIGN" EQUIPMENT. VERIFY ALL CONNECTION REQUIREMENTS WITH THE APPROVED EQUIPMENT SUBMITTALS AND/OR SHOP DRAWINGS PRIOR TO ANY ROUGH-IN.

(4) PROVIDE MATCHING CORD/CAP ASSEMBLY AND INSTALL ON THE APPLIANCE.

(5) LOCAL DISCONNECT IS NOT REQUIRED AS THE BRANCH CIRCUIT OVERCURRENT DEVICE (CIRCUIT BREAKER) SHALL BE PROVIDED WITH A PERMANENT PADLOCK CLIP TO ALLOW LOCKING OF THE CIRCUIT BREAKER IN THE OPEN (OFF) POSITION (NEC 422.31).

(6) PROVIDE LEVEL 2 ELECTRICAL VEHICLE CHARGING STATION. BASIS OF DESIGN IS CHARGEPOINT CT4011 SINGLE PORT BOLLARD MOUNT, 7.26KW OUTPUT POWER WITH 18' CABLE WITH SAE J1772 CHARGE CONNECTOR WITH CHARGEPOINT WIRELESS COMMUNICATIONS.

- PROVIDE INTEGRAL GATEWAY MODEM (USA) GW1. NO CELLULAR SERVICE AT THE CAMPUS; MODEM WILL HAVE TO CONNECT THROUGH WIFI OR HARDWIRED CAT6 CONNECTION.
- INSTALL ON CONCRETE BASE. REFER TO LIGHT POLE CONCRETE BASE DETAIL; EV CHARGING STATION SIMILAR EXCEPT ONLY 6" EXPOSED ABOVE FINISHED GRADE.
- PROVIDE BOLLARD CONCRETE MOUNTING KIT CT4001-CCM
- PROVIDE SOFTWARE AND SERVICE OPTIONS;
  - •• CHARGPOINT COMMERCIAL SERVICE PLAN CPCLD-COMMERCIAL-(3 YEARS)
  - •• CHARGEPOINT ASSURE CT4000-ASSURE-(3 YEARS)
  - •• STATION ACTIVATION AND CONFIGURATION CPSUPPORT-ACTIVE

(7) EQUIPMENT IS SUPPLIED WITH FACTORY INSTALLED DUCT SMOKE DETECTOR IN THE SUPPLY AIR. PROVIDE MONITORING OF SMOKE DETECTOR FROM FIRE ALARM SYSTEM. PROVIDE REMOTE TEST SWITCH TO BE LOCATED ON THE ATTIC LEVEL FOR THE DUCT SMOKE DETECTOR.

(8) AIR CONDITIONING UNIT POWERED FROM OUTDOOR COMPRESSOR UNIT IS AN APPLIANCE SYSTEM. LOCKING DISCONNECT AT OUTDOOR COMPRESSOR SERVES AS LOCKABLE DISCONNECT FOR AIR CONDITIONING UNIT.

(9) PROVIDE CONTACTOR FOR ELECTRIC RANGE CIRCUIT WITH CONTROL SIGNAL WIRING FROM FIRE PROTECTION AT RANGE HOOD. UPON FIRE PROTECTION ACTIVATION, ELECTRIC RANGE SHALL BE DE-ENERGIZED AND SHALL NOT BE RE-ENERGIZED UNTIL FIRE PROTECTION SYSTEM IS RESET.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

Engineering Services of Vermont, LLC
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT CLAIR MARTENSEN NO. 7469 REGISTERED PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

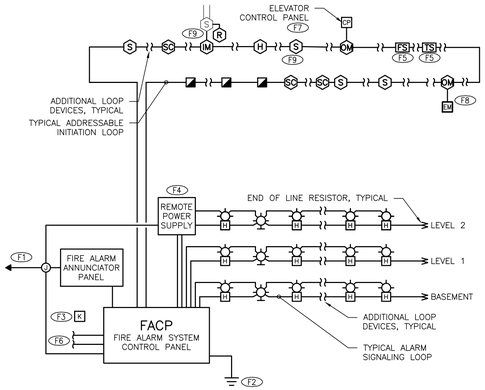
ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

ELECTRICAL EQUIPMENT SCHEDULES

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	CPB
DRAWN BY:	ESVT
SCALE:	As indicated

E6.1



FIRE ALARM SYSTEM RISER DIAGRAM

NO SCALE

FIRE RISER GENERAL NOTES:

1. COORDINATE FIRE ALARM SYSTEM DESIGN AND INSTALLATION WITH THE MUNICIPAL FIRE DEPARTMENT; SUBMIT SUBMITTAL DOCUMENTATION FOR THEIR REVIEW PRIOR TO ANY INSTALLATION.
2. FIRE ALARM SYSTEM SHALL MEET ALL VERMONT STATE CODE REQUIREMENTS. DEVICE INSTALLATION HEIGHTS AND SIGNAL COVERAGE SHALL MEET THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT (ADA).
3. LOCATE FIRE ALARM EQUIPMENT AND DEVICES, GENERALLY, AS FOLLOWS:
   - 3.1. MANUAL PULLSTATIONS: 48" AFF
   - 3.2. VISUAL SIGNALS (STROBES): 84" AFF
   - 3.3. REMOTE TEST STATIONS: 54" AFF
   - 3.4. FIRE ALARM PANEL: 72" AFF TO TOP
   - 3.5. REFER TO SPECIFICATIONS FOR ADDITIONAL RELATED, INFORMATION.
4. INSTALLED FIRE ALARM SYSTEM SHALL BE ACCEPTANCE TESTED AS PER THE REQUIREMENTS OF NFPA 72, "INSPECTIONS, TESTING AND MAINTENANCE". INCLUDE THE COMPLETED "INSPECTION AND TESTING FORM" WITH THE OPERATION AND MAINTENANCE MANUALS THAT ARE ULTIMATELY PRESENTED TO THE OWNER.
5. PROVIDE FIRE ALARM SYSTEM INITIATION AND SIGNALING LOOP WIRING USING UL LISTED FIRE ALARM CABLE. SIZE CABLES APPROPRIATE FOR LOAD AND VOLTAGE DROP OF WIRING LOOPS. CABLING SHALL BE RUN WITHOUT RACEWAY WHERE CONCEALED IN WALLS OR ABOVE CEILINGS OR WHERE RUN IN EXPOSED ROOF STRUCTURE. PROVIDE RACEWAY WHERE RUN EXPOSED VERTICALLY ON WALLS OF SERVICE LEVEL TO MATCH RACEWAY UTILIZED FOR POWER WIRING.
6. PROVIDE RED BOXES/COVERS FOR FIRE ALARM SYSTEM.

FIRE RISER DRAWING NOTES:

(F1) PROVIDE A 20A1P, 120VAC CIRCUIT TO THIS EQUIPMENT. PROVIDE A LOCK-ON CLIP FOR THE CIRCUIT BREAKER.

(F2) PROVIDE #4 AWG GROUND WIRE TO AN ELECTRICAL SYSTEM GROUNDING ELECTRODE.

(F3) PROVIDE KEY BOX PER FIRE DEPARTMENT REQUIREMENTS AND LOCATE AS PER MUNICIPAL FIRE DEPARTMENT DIRECTION.

(F4) PROVIDE A REMOTE POWER SUPPLIES (NAC, SNAC, ETC.) AS NECESSARY TO SUPPORT POWERING OF ALARM SIGNALS THROUGHOUT THE FACILITY. THE REMOTE POWER SUPPLY IS NOT INDICATED ON PLANS; LOCATE IN A NON-PUBLIC SPACE AND INDICATE LOCATION ON SHOP DRAWINGS. PROVIDE SMOKE DETECTOR ABOVE WHERE PANEL IS LOCATED.

(F5) COORDINATE THE FINAL LOCATION AND QUANTITY OF SPRINKLER SYSTEM FLOW SWITCHES, TAMPER SWITCHES, ETC. WITH THE FINAL FIRE ALARM AND SPRINKLER SHOP DRAWINGS PRIOR TO INSTALLATION. COORDINATE CONNECTIONS WITH SPRINKLER SYSTEM CONTRACTOR.

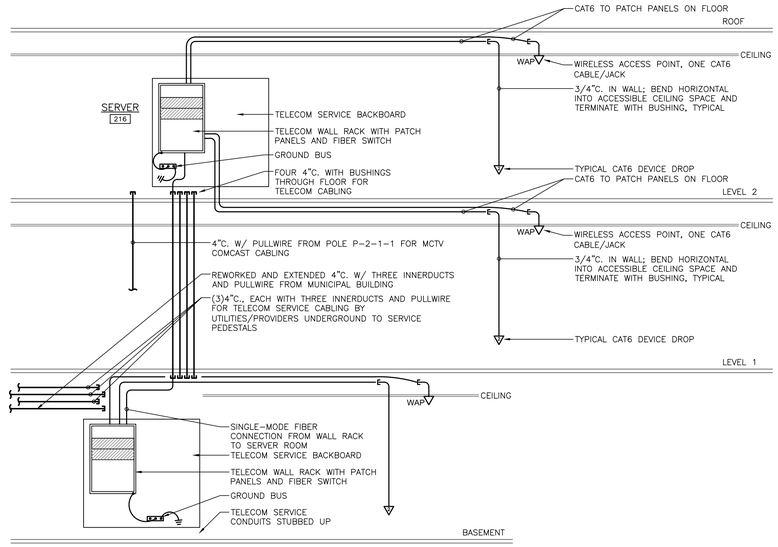
(F6) PROVIDE CONNECTION TO TWO TELEPHONE LINES FOR PROPER OPERATION OF FIRE ALARM PANEL DIGITAL DIALER AS PRIMARY COMMUNICATION FOR TRANSMITTING OF ALARM CONDITIONS OFF-SITE TO EITHER CENTRALLY MANNED STATION OR TO THE MUNICIPAL FIRE DEPARTMENT.

(F7) PROVIDE OUTPUT MODULES TO SEND SIGNAL TO ELEVATOR TO INITIATE RECALL UPON ALARM SIGNAL FROM HEAT OR SMOKE DETECTORS IN ELEVATOR MACHINE ROOM, SHAFT OR ELEVATOR LOBBIES.

(F8) PROVIDE OUTPUT MODULES TO SEND SIGNAL TO GENERAL USE LUMINAIRES UTILIZED FOR EMERGENCY LIGHTING THROUGH UL924 RELAYS TO OVERRIDE LIGHTING CONTROLS ON, FULL BRIGHTNESS.

(F9) PROVIDE FIRE ALARM SYSTEM INPUT MONITORING MODULE TO MONITOR OUTPUT CONTACTS OF DUCT SMOKE DETECTOR SUPPLIED WITH MECHANICAL EQUIPMENT. REFER TO PLANS FOR LOCATIONS AND QUANTITIES OF DUCT SMOKE DETECTORS.

- PROVIDE REMOTE TEST STATION FOR EACH DUCT SMOKE DETECTOR
- FIRE/SMOKE DAMPER DUCT SMOKE DETECTORS, HRU AND RTU DUCT SMOKE DETECTORS ARE FURNISHED WITH THE MECHANICAL EQUIPMENT



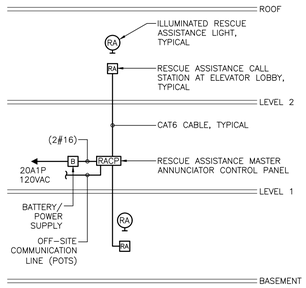
TELECOM CABLING RISER DIAGRAM

NOT TO SCALE

1. **ALL CABLING SHALL BE PROVIDED COMPLETE** FROM THE PATCH PANELS THROUGH TO WALL JACKS, WAP DEVICES AND CAMERA LOCATIONS TO INCLUDE LABELING AND TESTING.
   - 1.1. THIS CONTRACTOR SHALL PROVIDE PATCH PANELS, MEDIA CONVERTERS, CABLING AND WALL JACKS AS PER SPECIFICATION.
   - 1.2. PROVIDE PATCH PANELS FOR TERMINATION OF ALL CAT6 ETHERNET DATA CABLES PLUS 25% SPARE CAPACITY.
   - 1.3. OWNER TO SUPPLY FLOOR RACKS, WALL RACKS, POWER SUPPLIES (UPS'S) TO CONTRACTOR FOR INSTALLATION BY CONTRACTOR.
2. **COPPER CABLING SHALL BE CAT6A AS PER SPECIFICATION. WHERE DOCUMENTS READ CAT6, PROVIDE CAT6A CABLING IN ALL INSTANCES.**
3. PROVIDE AN INSULATED GROUND BUS, CONNECTED WITH #8 STRANDED COPPER WITH EACH RACK BONDED TO THE GROUND BUSES. PROVIDE STRANDED #8 COPPER CONDUCTOR IN 1" PVC CONDUIT BACK TO THE BUILDING GROUNDING ELECTRODE SYSTEM IN THE ELECTRICAL ROOM.
4. **THIS CONTRACTOR SHALL SCHEDULE A MEETING WITH OWNERS IT PERSONNEL/VENDOR PRIOR TO BEGINNING WORK TO VERIFY ALL TELECOMMUNICATIONS DETAILS.**
5. WALL RACKS SHALL BE MOUNTED ON 3/4" PLYWOOD BACKBOARD. FIRE LOAD RATED. PAINT PRIOR TO INSTALLATION OF RACK. DO NOT PAINT OVER FIRE CODE STAMP.
6. PROVIDE SINGLE MODE FIBER, TWO SIX-PAIR CABLES FROM FIRST FLOOR TO THIRD FLOOR AND TWO SIX-PAIR CABLES FROM SECOND FLOOR TO THIRD FLOOR, TERMINATED IN MEDIA CONVERTER SWITCH AT BOTH ENDS.

GENERAL NOTES:

REFER TO GENERAL NOTES ON DRAWING E1.0 WHICH APPLY TO THIS DRAWING, AS WELL AS ANY NOTES WHICH FOLLOW.



RESCUE ASSISTANCE SYSTEM WIRING DIAGRAM

NOT TO SCALE

NOTES:

1. BASIS OF DESIGN IS THE CORNELL COMMUNICATIONS 4800 SERIES
   - 1.1. CORNELL A-4800M AREA OF REFUGE MASTER ANNUNCIATOR UNIT
   - 1.2. CORNELL A-4800R AREA OF REFUGE REMOTE ANNUNCIATOR UNIT
   - 1.3. CORNELL A-4800V FLUSH MOUNT INDOOR EMERGENCY CALL STATION
   - 1.4. CORNELL SN-P48SL SELF ADHESIVE SIGN
   - 1.5. CORNELL SN-LM42S ILLUMINATED SIGN (SINGLE SIGN)
   - 1.6. CORNELL SN-LM42D ILLUMINATED SIGN (DOUBLE SIGN)
2. PROVIDE 20A1P 120VAC CIRCUIT FROM HOUSE PANEL PSB WITH LOCK-ON CLIP. (2#12, 1#12G)
3. PROVIDE CONNECTION TO TELEPHONE LINE TO ALLOW SYSTEM TO CALL OFF SITE TO CENTRALLY MANNED SYSTEM IN THE EVENT NO ONE IS AT THE MAIN CONTROL PANEL.
4. MOUNT CONTROL PANEL AND CALL STATIONS SUCH THAT THE TOP PUSHBUTTON IS NO HIGHER THAN 48" AFF.
5. COORDINATE LOCATIONS FOR CALL STATIONS AND CONTROL PANEL WITH ARCHITECT AND GENERAL CONTRACTOR PRIOR TO ANY ROUGH-IN.
6. PROVIDE A RESCUE ASSISTANCE CALL SYSTEM, INCLUDING POWER SUPPLIES, UPS, BATTERIES, SIGNAGE AND ALL NECESSARY APPURTANCES FOR A COMPLETE AND OPERATIONAL SYSTEM. TEST SYSTEM TO ENSURE OPERATION AND REPAIR OR REPLACE ANY EQUIPMENT THAT IS NOT OPERATIONAL OR DEFECTIVE. INSTALL SYSTEM AS PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

WLA
38 Eastwood Drive
Suite 301
South Burlington, VT 05403
802.655.5020
wla-vt.com

Engineering Services of Vermont, LLC
MECHANICAL-ELECTRICAL CONSULTING ENGINEERS
9 Washington Street
Rutland, Vermont 05701
802-855-8091
5430 Waterbury-Stowe Road
Waterbury, Vermont 05677
802-882-8449
www.EngineeringVermont.com

STATE OF VERMONT
GLADE BARTENSTEIN
NO. 7469
REGISTERED
PROFESSIONAL ENGINEER

#	DATE	REVISION DESCRIPTION

ILSLEY PUBLIC LIBRARY

MIDDLEBURY, VERMONT

ELECTRICAL DIAGRAMS

PROJECT NO:	23033
DATE:	01/24/2025
CHECKED BY:	CPB
DRAWN BY:	ESVT
SCALE:	As indicated

E7.1