

Development Application
Town of Stowe Planning & Zoning Department
PO Box 730
Stowe, VT 05672
Telephone: (802) 253-6141
This form serves as an application for all requested zoning and subdivision reviews.

Project #
(To be assigned)

Date Received:

Property Owner Information

Property Owner	Stowe Community Church	
Mailing Street Address City, State and Zip	137 MAIN STREET	
Telephone Number	802-253-7257	Email info@stowechurch.org

Applicant Information (Relationship to Owner)

- ☐ Owner (If so, skip to property information) ☐ Lessee ☐ Contractor
☒ Architect/Designer ☐ Agent for Owner ☐ Under purchase contract
All information and correspondence is sent to applicant/contact.

Applicant Name Company (if any)	DOUGLAS VIEHMAN GVV ARCHITECTS	
Mailing Street Address City, State and Zip	284 S. UNION ST BURLINGTON, VT 05401	
Phone Number	802-862-9631	Email dv@gvvarchitects.com

Property Information & Location

Physical Address	137 MAIN ST	
Tax Map ID	7A-09.000	
Existing Use	CHURCH	Proposed Use CHURCH

Please briefly describe the proposed project, intended use, and/or development request below:

EXTERIOR. WINDOW RESTORATION, SHUTTER REPLACEMENT
REPLACE FIRE ESCAPE ON NORTH SIDE TO MEET CODE
WITH ROOF OVER STAIR. ADD HEAT PUMP SYSTEM
WITH 2 ENCLOSURES ON EXTERIOR. RENOVATE KITCHEN
INCLUDING NEW EXTERIOR FAN FOR COMMERCIAL HOOD
TO BE LOCATED ON NORTH WALL ABOVE NEW STAIR ROOF.

For All Approvals:

The below signed hereby agrees that the proposed work shall be done in accordance with the application, plan, specifications, and other associated documentation and that the work shall conform to all applicable town ordinances and regulations. Signing as an "Agent for Owner" indicates that the person signing has the permission of the owner to act on the owner's behalf. Additional permits may be needed from the State of Vermont and/or the Town of Stowe for development.

Indicate if:

- ☐ Property Owner OR
☒ Agent for Owner

Signature: 

Date: 17/JAN/2025

Additional application information is required on reverse side: ➔

Note: Local Zoning approval does not cover any required state approvals. Wastewater System and Potable Water Supply permits may be required for construction or modifications that change the wastewater flow. Other State permits may be required for certain uses. The applicant is advised to contact a DEC Permit Specialist to discuss the State permit requirements at 802-505-5367.

Construction Information

A site plan showing the proposed development is required if construction is involved.

The applicant is responsible for determining property lines and setbacks.

Please answer the questions below for all projects:

Will there be a new curb cut (driveway opening)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Will over ½ acre of land be graded or disturbed?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Will the development create an additional ½ acre of impervious surface?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Will there be other changes resulting in increased sewer or water flows?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Will there be a new connection to the Stowe sewage system?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Will there be a new connection to the Stowe water system?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Is any portion of the building rented out?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Is an Act 250 permit or amendment required?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Maximum Bldg. Height: 150 * Building Height is defined as the vertical distance measured from the average elevation of the proposed finished grade at the front or rear of the building to the highest point of the roof for flat and mansard roofs, and to the average height between eaves and ridge for other types of roofs. On sloping sites the height will be measured on the uphill side.

Please answer the questions below for all projects involving residential dwellings:

Existing Rooms:	# Bathrooms:	# Bedrooms:	# Kitchens:
New Rooms:	# Bathrooms:	# Bedrooms:	# Kitchens:

Please complete the fee calculation below for all applications:

Zoning Permit Fees - Single & Two-Family Dwellings (Permitted Uses)	Fee/Sq. Ft.	Fee Required
Enclosed building spaces per sq. ft (heated & unheated)	\$0.30	
Unenclosed building spaces per sq. ft (i.e., decks, open porches, etc.)	\$0.10	
Structures other than buildings (i.e., ponds, tennis courts, fences, etc.) - per structure	\$60.00	
Minimum application fee for Single & Two-Family Dwellings/Permitted Uses	\$60.00	
Fee:		\$
Zoning Permit Fees - Conditional Uses (Commercial & Multi-Family Uses)	Fee/Sq. Ft.	Fee Required
Enclosed building spaces per sq. ft (heated & unheated)	\$0.40	
Unenclosed building spaces per sq. ft (i.e., decks, open porches, etc.)	\$0.25	
Structures other than buildings (i.e., ponds, tennis courts, fences, etc.) - per structure	\$100	
Administrative amendment by Zoning Administrator	<u>\$75.00</u>	<u>75</u>
Fee:		\$
Development Review & Public Hearing Fees	Fee/Sq. Ft.	Fee Required
Appeal of Action of Zoning Administrator	\$250.00	
Variance or Dimensional Waiver	\$250.00	
Conditional Use Review	\$250.00	
Ridgeline & Hillside Overlay District (RHOD) Review	\$250.00	
Design Review (Single-Family & Two-Family Dwelling)	\$60.00	
Design Review (All other uses except Single-Family & Two-Family Dwelling)	\$250.00	
Subdivision Review (includes PRD's & PUD's)		
Preliminary Layout Application (base fee)	\$250.00	
Preliminary Layout (fee per unit or lot if equal to and/or more than 5 lots/units)	\$275.00	
Final Plat Application (base fee)	\$250.00	
Final Plat Application (additional fee per unit or lot if preliminary layout was not required)	\$150.00	
Minimal Alteration reviewed by Zoning Administrator	\$100.00	
Other subdivision applications/amendments requiring DRB approval	\$250.00	
Fee:		\$
Signs	\$70.00	
Fee:		\$
Recording Fees /Stowe Land Records (set by state law)		

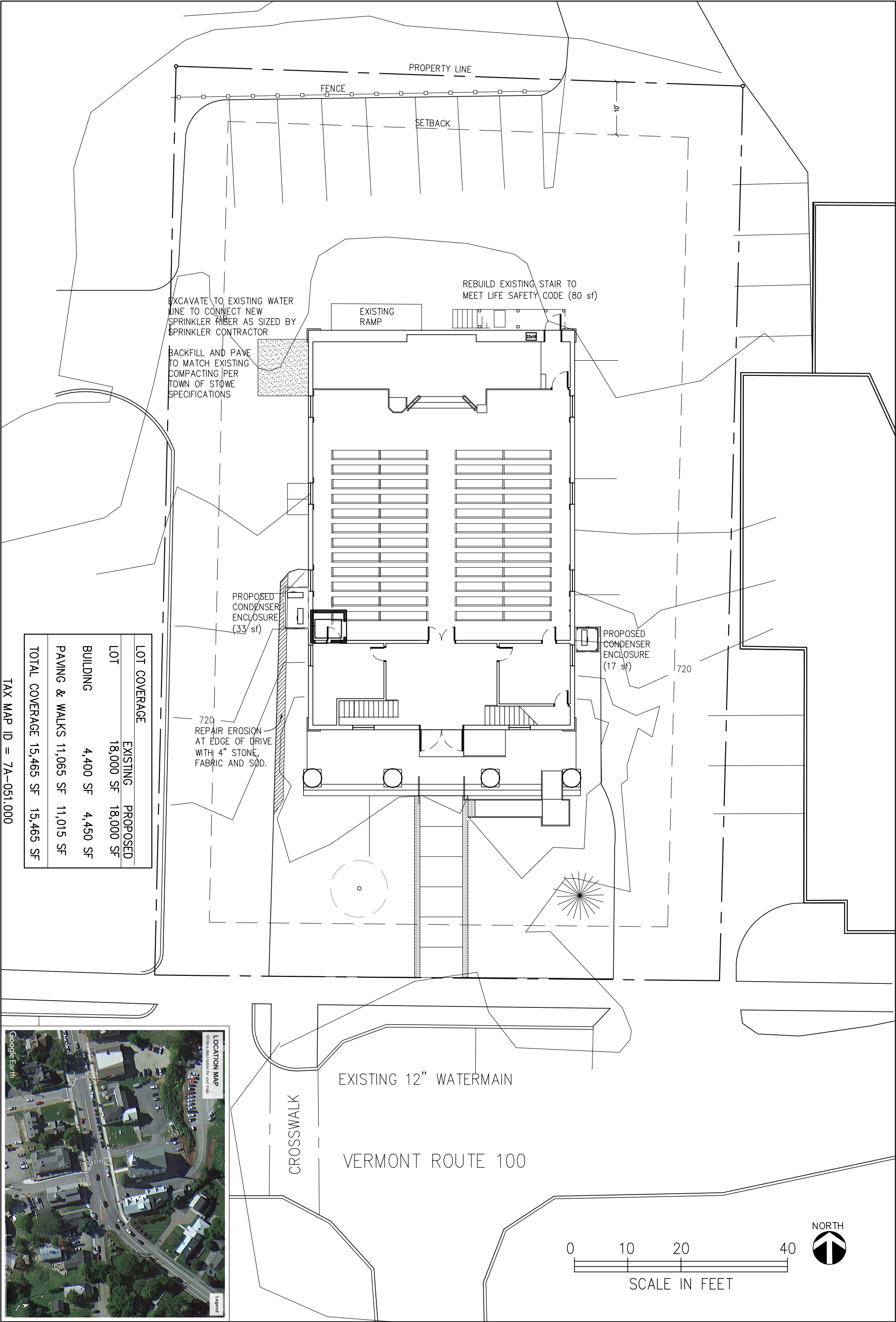
Additional Recording Fee for decision notice	\$15.00/page	\$
Additional Recording Fee for permit	\$15.00/page	\$ 15
Additional Recording Fee for Mylar	\$25.00/sheet	\$
Total Application Fee Including Recording		\$

Payments should be made to the Town of Stowe. Payment can be made by cash, check, or with a credit card (Mastercard, Visa or Discover) or online. Go to www.townofstowevt.org/townclerk/ and click the link for online payments. Please note there is a 3% convenience fee for credit card payments.

Incomplete applications will be returned. A complete application must include a site plan, elevation drawings, and floorplans. See application checklists for additional guidance.

<u>OFFICE USE ONLY</u>							
Date Received _____	<table border="1"> <tr> <td>Permit Fee</td> <td>\$</td> </tr> <tr> <td>Recording Fee</td> <td>\$</td> </tr> <tr> <td>TOTAL FEE</td> <td>\$</td> </tr> </table>	Permit Fee	\$	Recording Fee	\$	TOTAL FEE	\$
Permit Fee	\$						
Recording Fee	\$						
TOTAL FEE	\$						
Zoning District _____	<input type="checkbox"/> Check # <input type="checkbox"/> Cash						
Overlay District _____							
Approved Date _____							
Effective Date _____							
Expiration Date _____							
Denied Date _____	Referred _____						
Reason _____	Hearing Date _____						
Comments/Conditions							
_____ _____ _____ _____ _____ _____							
_____ Zoning Administrator	_____ Date						
For assistance, please contact the Planning & Zoning Department of 253-6141 or by email at PandZ@stowevt.gov							

The Town of Stowe welcomes all persons, regardless of race, color, religion, national origin, sex, gender identity or expression, family status, age, or ability, and wants everyone to feel safe and welcome in our community. As a town, we formally condemn discrimination in all its forms, commit to fair and equal treatment of everyone in our community, and will strive to ensure all of our actions, policies, and operating procedures reflect this commitment. The Town of Stowe has and will continue to be a place where individuals can live freely and express their opinion.



CODE SUMMARY

Renovations and modifications to wood frame building with timber frame and added steel reinforcement of floor and steeple components. Building originally built 1863.
BOTH GROUND FLOOR AND FIRST FLOOR HAVE GRADE ACCESS.

CONSTRUCTION TYPE:	(NFPA 101)	[IBC]
COMBUSTIBLE FULL SPRINKLER - coverage to be added	V(000)	V B
USE GROUP:	(NFPA 101)	[IBC]
SINGLE TENANT	ASSEMBLY	A3
BUILDING HEIGHT	EXISTING	CODE MAX.
MAX GRADE TO RIDGE STORIES ABOVE GRADE	60' 2 + MEZZANINE	60' with sprinkler
BUILDING AREA	PROPOSED	CODE MAX.
LARGEST FLOOR MEZZANINE	3750 SF 785 SF	6000 NS or 18000 w/sprinkler

OCCUPANCY:

OCCUPANT LOAD: NFPA 101 TABLE 7.3.1.2
Sanctuary and Mezzanine = 280. Fellowship Hall and Classrooms = 110
TOTAL LIKELY OCCUPANTS IN BUILDING = 280

FIRE RESISTANT RATINGS (IN HOURS) *		
EXTERIOR BEARING WALLS:		0
INTERIOR BEARING WALLS SUPPORTING MORE THAN ONE FLOOR, COLUMNS, OR OTHER BEARING WALLS:		0
INTERIOR BEARING WALLS SUPPORTING A ROOF ONLY:		0
OTHER INTERIOR NONBEARING WALLS:		0
COLUMNS SUPPORTING MORE THAN ONE FLOOR, COLUMNS, OR OTHER BEARING WALLS:		0
COLUMNS SUPPORTING A ROOF ONLY:		0
BEAMS, GIRDERS, TRUSSES, AND ARCHES SUPPORTING MORE THAN ONE FLOOR, COLUMNS, OR OTHER BEARING WALLS:		0
BEAMS, GIRDERS, TRUSSES, AND ARCHES SUPPORTING A ROOF ONLY:		0
FLOOR CONSTRUCTION:		0
ROOF CONSTRUCTION:		0

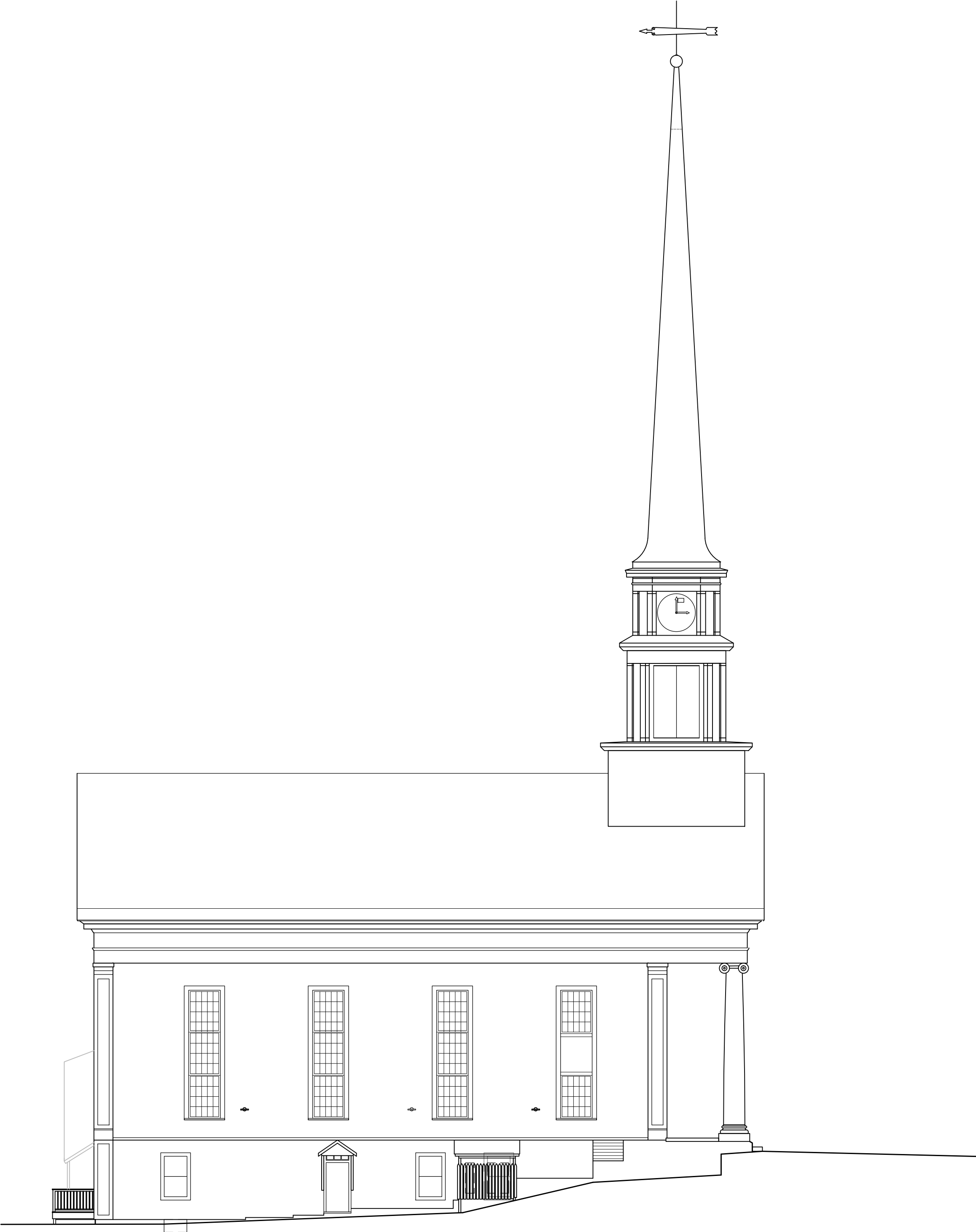
ENERGY CODE

NEW ITEMS WILL MEET REQUIREMENTS OF VERMONT COMMERCIAL BUILDING ENERGY STANDARDS (2024)
EXISTING SYSTEMS WILL BE UPGRADED WHERE POSSIBLE IF WORK EXPOSES WALL CAVITIES OR CHANGES SYSTEMS, FIXTURES OR APPLIANCES.

PROPOSED LIFT WILL PROVIDE ACCESS TO BOTH FLOORS AND MEZZANINE.

ABBREVIATIONS
ACT- ACOUSTIC CEILING TILE
CLG- CEILING
CONC- CONCRETE
CRS- COURSES
DR- DOOR
ELEV- ELEVATION
EXT- EXTERIOR
FL- FLOOR
GA- GAGE
GALV- GALVANIZED
GWB- GYPSUM WALL BOARD
INT- INTERIOR
MFR- MANUFACTURER
OC- ON CENTER
OD- OUTSIDE DIMENSION
OHD- OVERHEAD DOOR
PTD- PAINTED
RM- ROOM
RQD- REQUIRED
SOG- SLAB ON GRATE
SS- STAINLESS STEEL
YD- YARD

DRAWINGS
A1.1 FIRST & MEZZANINE FLOOR PLANS (including electrical and mechanical notes)
A1.2 GROUND & MEZZANINE FLOOR PLANS (including electrical and mechanical notes)
A-K1 KITCHEN PLAN AND REFLECTED CEILING
A-K2 INTERIOR ELEVATIONS AND EQUIPMENT SCHEDULE
A2.1 EXTERIOR ELEVATIONS AND ROOF PLAN
A2.2 EXTERIOR ELEVATIONS AND STAIR DETAILS

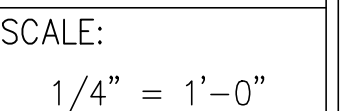


Architect:
G V V ARCHITECTS INC
284 South Union St
Burlington, VT 05401
802-862-9631

STOWE COMMUNITY CHURCH
137 MAIN STREET
STOWE, VT

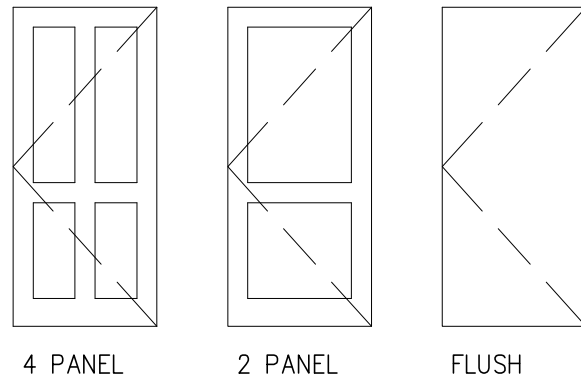
30 September 2024

DATE: 22 AUG 24
REVISION: <div style="border: 1px solid black; padding: 2px; display: inline-block;">1</div> 7Nov24 Lift
SCALE: $1/4" = 1'-0"$
DRAWING: FIRST & MEZZANINE FLOOR PLANS
SHEET: <div style="font-size: 2em; font-weight: bold;">A1.1</div>



FINISH SCHEDULE											
RM #	ROOM NAME	WALLS				BASE	FLOORS	CEILINGS	WNDW TRIM	DOOR TRIM	NOTES
		NORTH	EAST	SOUTH	WEST						
101	KITCHEN	EPOXY PAINT	EPOXY PAINT	EPOXY PAINT	EPOXY PAINT	PTD WOOD	SHEET GDS #1	EPOXY PAINT	EPOXY PAINT	EPOXY PAINT	COLOR SELECTION BY ARCHITECT
102	YOUTH ROOM	EPOXY PAINT	NO WORK	NO WORK	NO WORK	NO WORK	EXISTING CARPET	EXISTING ACT	NO WORK	EPOXY PAINT	PAINT WALL AT NEW KITCHEN PASS THROUGH
103	ADA BATH	EPOXY PAINT	EPOXY PAINT	EPOXY PAINT	EPOXY PAINT	PTD WOOD	SHEET GDS #1	EPOXY PAINT	EPOXY PAINT	EPOXY PAINT	COLOR SELECTION BY ARCHITECT
104	CORRIDOR	NO WORK	NO WORK	NO WORK	NO WORK	PTD WOOD	EXISTING CARPET	NO WORK	NO WORK	EPOXY PAINT	MATCH EXISTING COLORS
105	LAV	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	
106	BOILER	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	REPAINT	NO WORK	NO WORK	NO WORK	ACCESS TO BASEMENT ENLARGED
107	FAN ROOM	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	
108	ENTRY	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	
109	FELLOWSHIP HALL	REPAINT	REPAINT	REPAINT	REPAINT	REPAINT	NEW CARPET	NEW GRID & AT	REPAINT	REPAINT	
110	CLASSROOM 1	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	
111	CLASSROOM 2	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	
112	CLASSROOM 3	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	
113	STORAGE	NO WORK	NO WORK	NO WORK	NO WORK	PTD GWB	PATCH & PAINT	CUT CARPET	PATCH & PAINT	NO WORK	PAINT
114	LIFT MACHINE ROOM	PTD GWB	PTD GWB	PTD GWB	PTD GWB	VINYL	PAINTED WOOD	PATCH & PAINT	NO WORK	PAINT	
115	STAIR 1	PAINT	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	
116	SPRINKLER ROOM	TAPED GWB	TAPED GWB	TAPED GWB	TAPED GWB	NONE	PAINT EXSTG	EXISTING	NONE	PAINT	
201	NARTHEX	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NEW CARPET	NO WORK	NO WORK	NO WORK	ALTERNATE #8
202	LIFT	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	
203	OFFICE	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	REMOVE DOOR TO SANCTUARY (ALT #6)
204	PASTOR'S OFFICE	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NEW CARPET	NO WORK	NO WORK	NO WORK	ALTERNATE #8
205	SANCTUARY	REPAINT	REPAINT	REPAINT	REPAINT	REPAINT	NEW CARPET	REPAINT	REPAINT	REPAINT	ALTERNATE #8
206	STAIR 2	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	
301	MUSIC OFFICE	PATCH & PAINT	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	ALTERNATE #7
302	CHOIR	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	PROTECT ORGAN DURING ALL WORK IN SANCTUARY AND ADJOINING SPACES
303	ROBE ROOM	PATCH & PAINT	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	ALTERNATE #7
304	STAIR 3	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	
401	STORAGE	PATCH	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	ALTERNATE #7
402	TELEPHONE EQUIPMENT	PATCH	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	NO WORK	ALTERNATE #7

FINISHES: (AS LISTED - OR EQUAL)
SHEET GOODS # 1: ALTRO RELIANCE 25 OR EQUAL
MODIFY EXISTING WOOD FLOOR AS NEEDED TO REMOVE HIGH SPOTS.
APPLY 3/8" PLYWOOD UNDERLAYMENT.
FLASH JOINTS AS NEEDED. APPLY NEW SHEET GOODS.
EPOXY PAINT: SHERWIN WILLIAMS PRO INDUSTRIAL PRE-CATALYZED WATER BASED EPOXY, EGGSHELL WALLS; SEMI-GLOSS TRIM AND CEILINGS.
CEILING TILE: ARMSTRONG KANOPI 24x48x5/8" WITH 1/8" GRID, OR EQUAL.
COMPOSITE COUNTERTOP: SOLID SURFACE, COLOR CHOICE BY ARCHITECT



DOOR TYPES

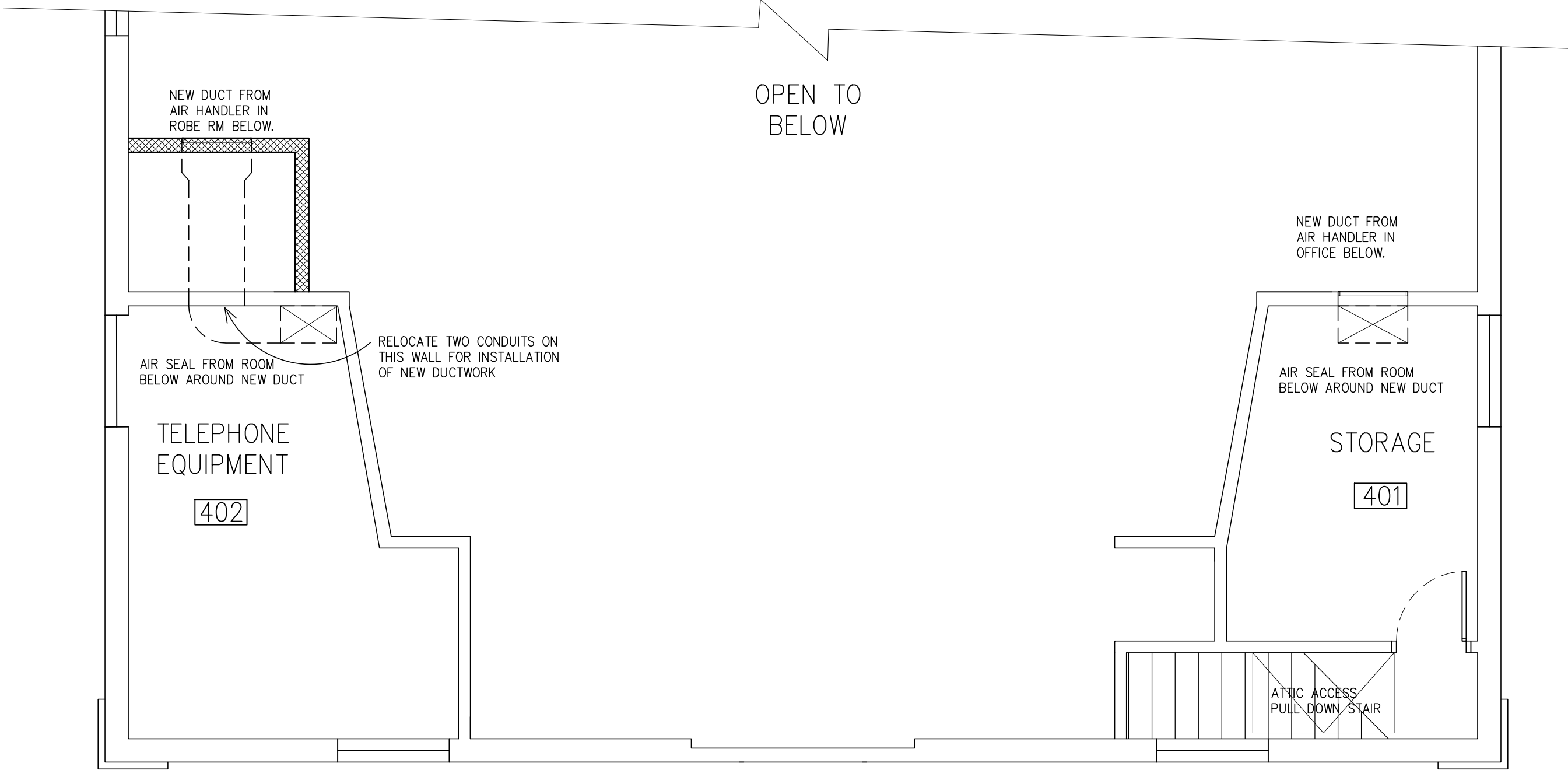
1/4" = 1'-0"

DOOR SCHEDULE

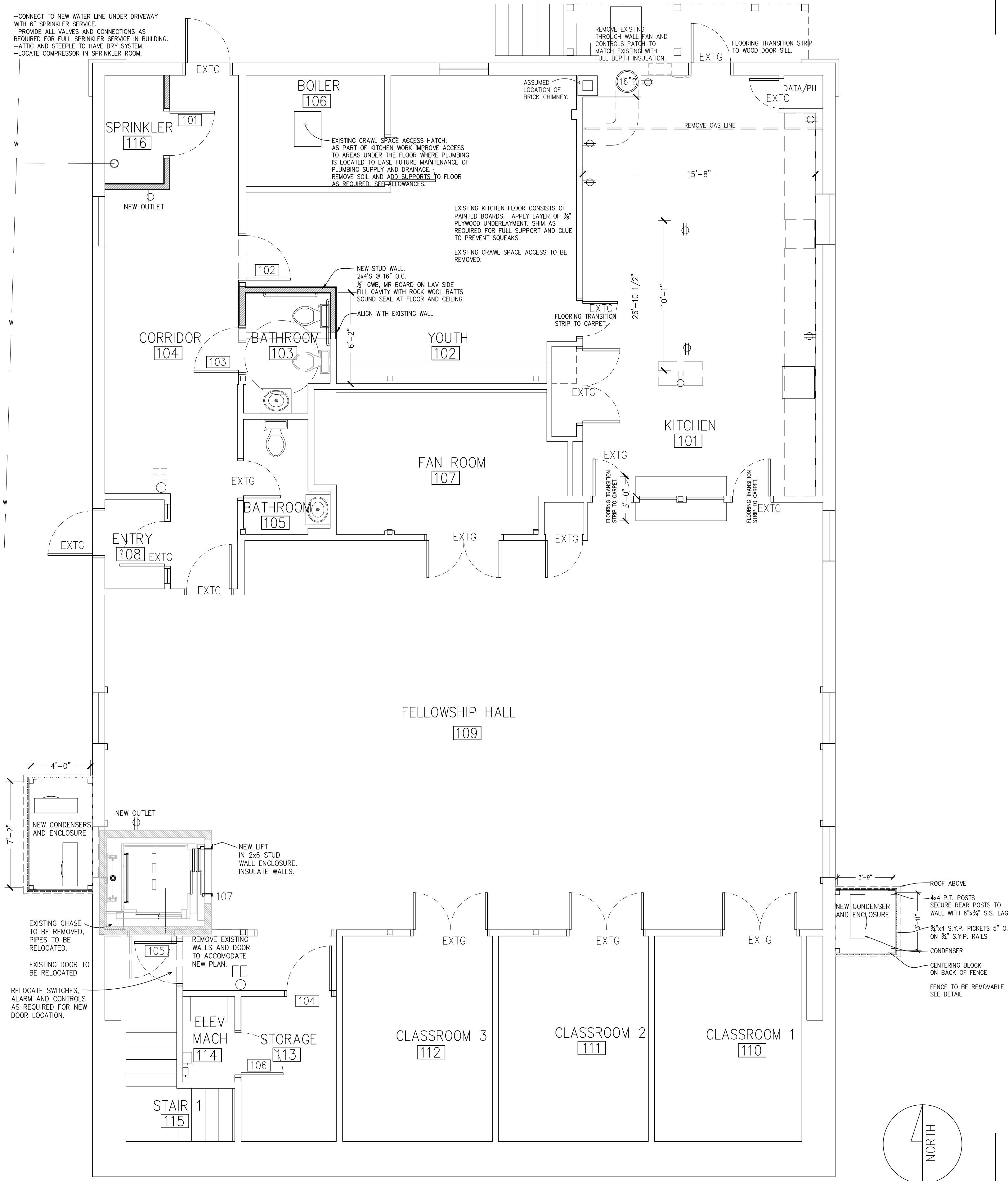
MARK	WIDTHxHEIGHT	TYPE	MATERIAL	FRAME MATERIAL	HARDWARE	T-HOLD	NOTES
101	3'-0"x6'-8"	2 PANEL	PAINTED WOOD	WOOD	B	NONE	SOUND SEAL TOP AND SIDES
102	3'-0"x6'-8"	2 PANEL	PAINTED WOOD	WOOD	C	NONE	-
103	3'-0"x6'-8"	2 PANEL	PAINTED WOOD	WOOD	D	TRANSITION	SOUND SEAL TOP AND SIDES
104	3'-0"x6'-8"	2 PANEL	PAINTED WOOD	WOOD	C	NONE	-
105	3'-0"x6'-8"	EXISTING	PAINTED WOOD	WOOD	F	NONE	-
106	3'-0"x6'-8"	FLUSH	PAINTED WOOD	WOOD	E	TRANSITION	-
107	3'-0"x6'-8"	4 PANEL	PAINTED WOOD	STEEL	INTERLOCKED	METAL	COORDINATE WITH LIFT MANUFACTURER FOR DOOR AND HARDWARE
201	3'-0"x6'-8"	4 PANEL	PAINTED WOOD	STEEL	INTERLOCKED	METAL	COORDINATE WITH LIFT MANUFACTURER FOR DOOR AND HARDWARE
301	3'-0"x6'-8"	4 PANEL	PAINTED WOOD	STEEL	INTERLOCKED	METAL	COORDINATE WITH LIFT MANUFACTURER FOR DOOR AND HARDWARE

HARDWARE SCHEDULE

(A) ENTRY Exit Device 3 Hinges Cylinder Lock Weather Strip Closer	(B) OFFICE Entry/ Office Cylinder Lock 3 Hinges Door Stop	(C) PASSAGE Passage Cylinder 3 Hinges Door Stop	(D) PRIVACY Cylinder Lock 3 Hinges Door Stop	(E) STORAGE Classrm Cylinder 3 Hinges Door Stop	(F) EXIT Exit Device 3 Hinges Closer Lever Handle
ALL CYLINDER HARDWARE TO HAVE LEVER HANDLES					



THIRD FLOOR PLAN



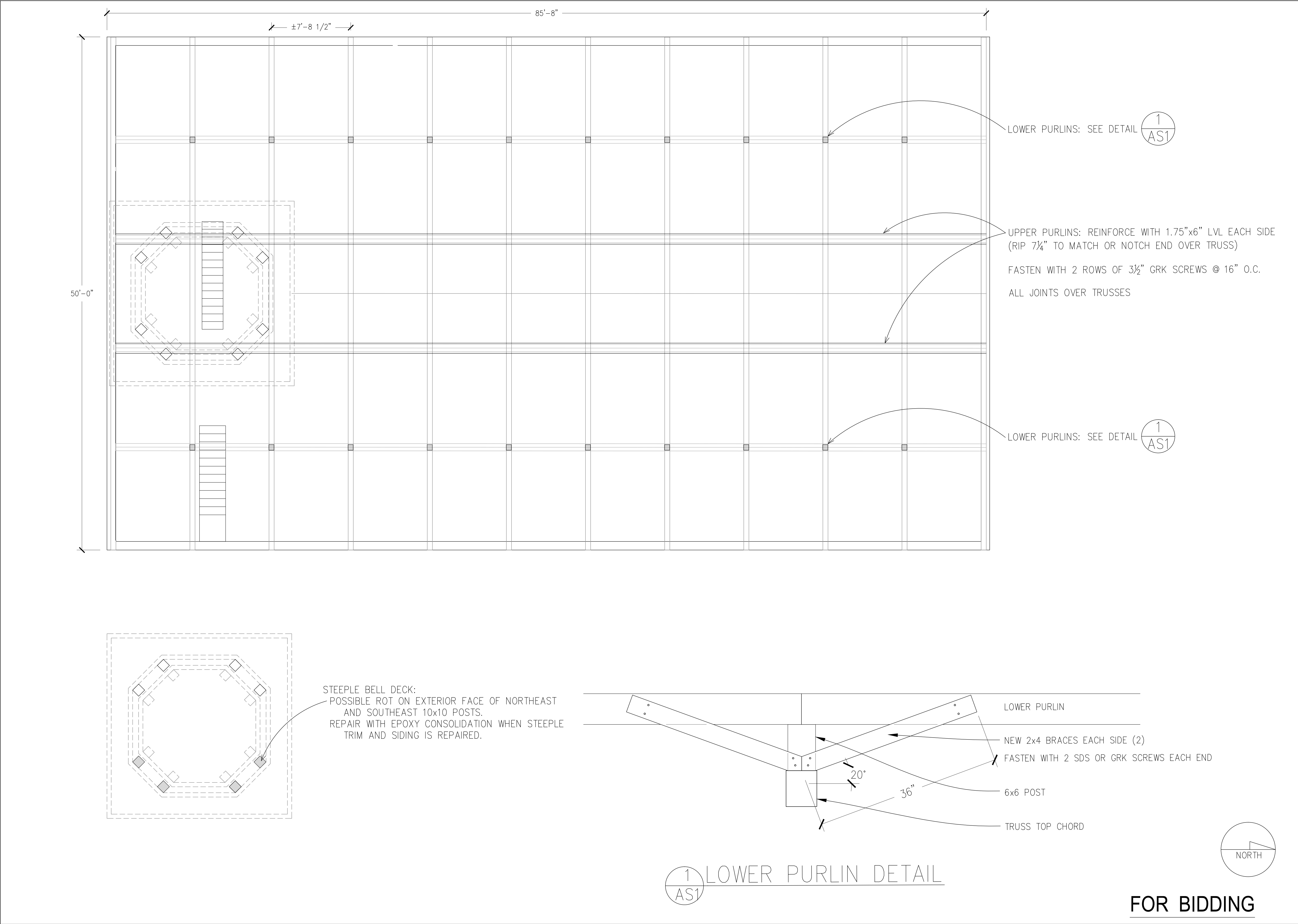
GROUND FLOOR PLAN

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NOTES:

Stowe Community Church
Stowe, Vermont
GUILLOT VIVIAN VERHMANN ARCHITECTS, INC. Burlington, VT 802-862-9631

DATE: 22 AUG 24
REVISION: 1 00/00/00
SCALE: 1/4" = 1'-0"
DRAWING: GROUND & MEZZANINE FLOOR PLANS
SHEET: A1.2

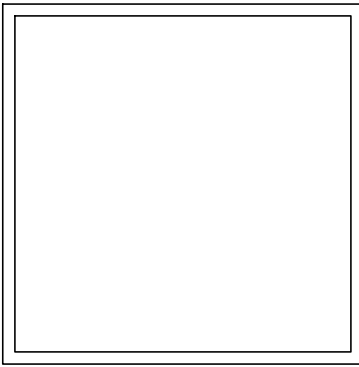


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NOTES:



Stowe Community Church

Stowe, Vermont

GUILLLOT VIVIAN VIEHMANN ARCHITECTS, INC. Burlington, VT 802-862-9631

DATE: 29 MAY 24

REVISION: 00/00/00

SCALE:

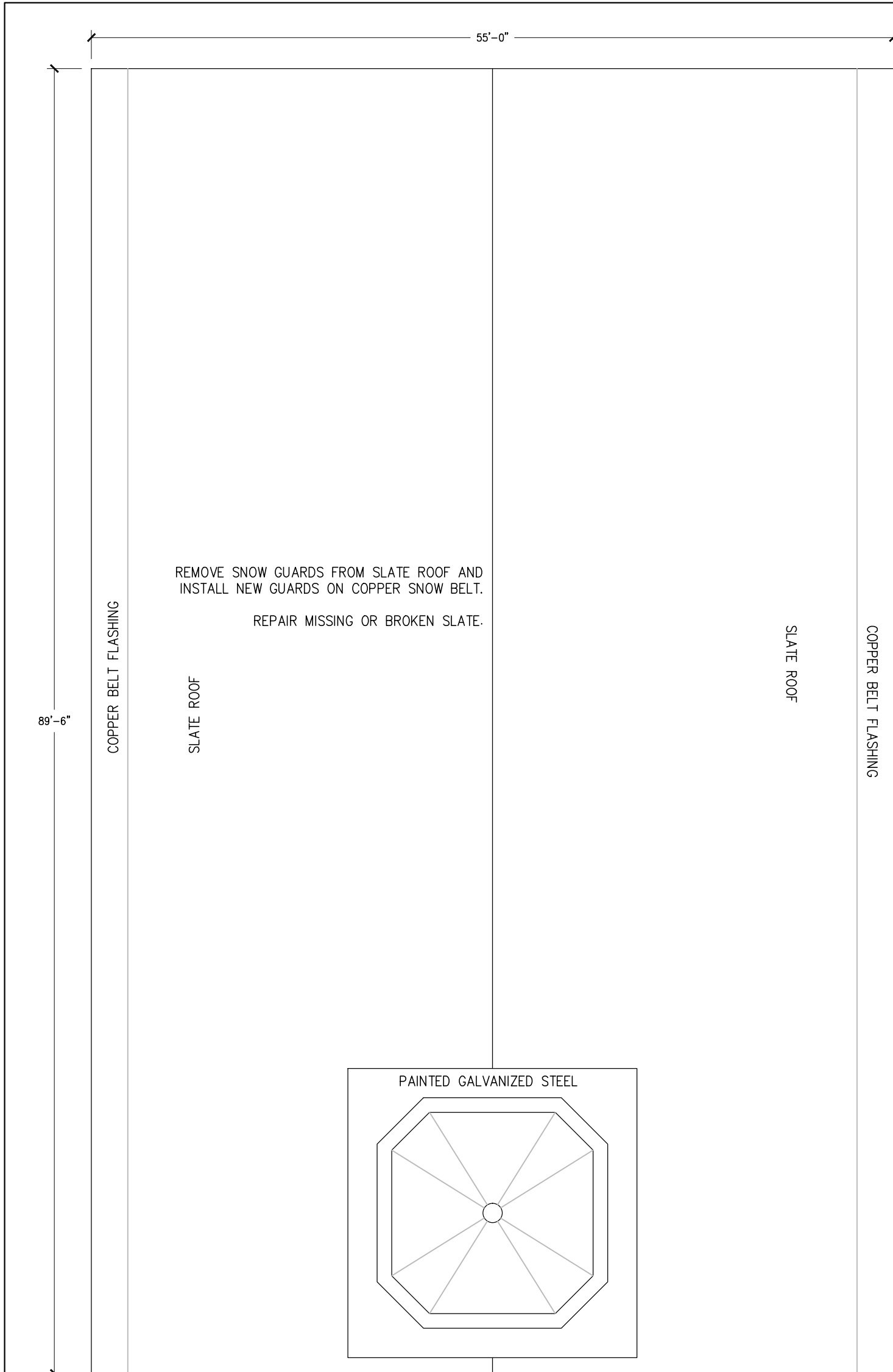
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DRAWING:

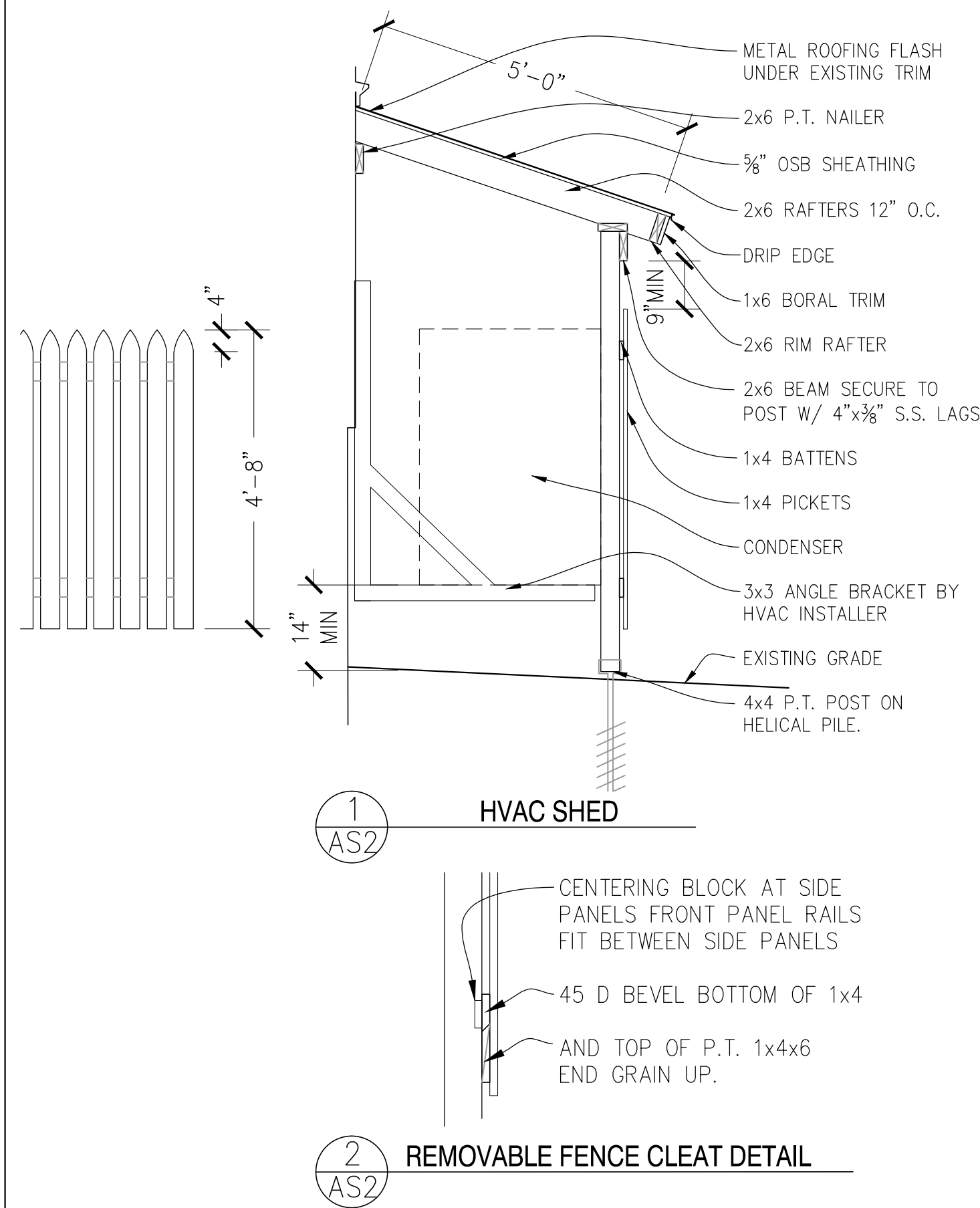
ROOF FRAMING PLAN

SHEET:

AS1



ROOF PLAN

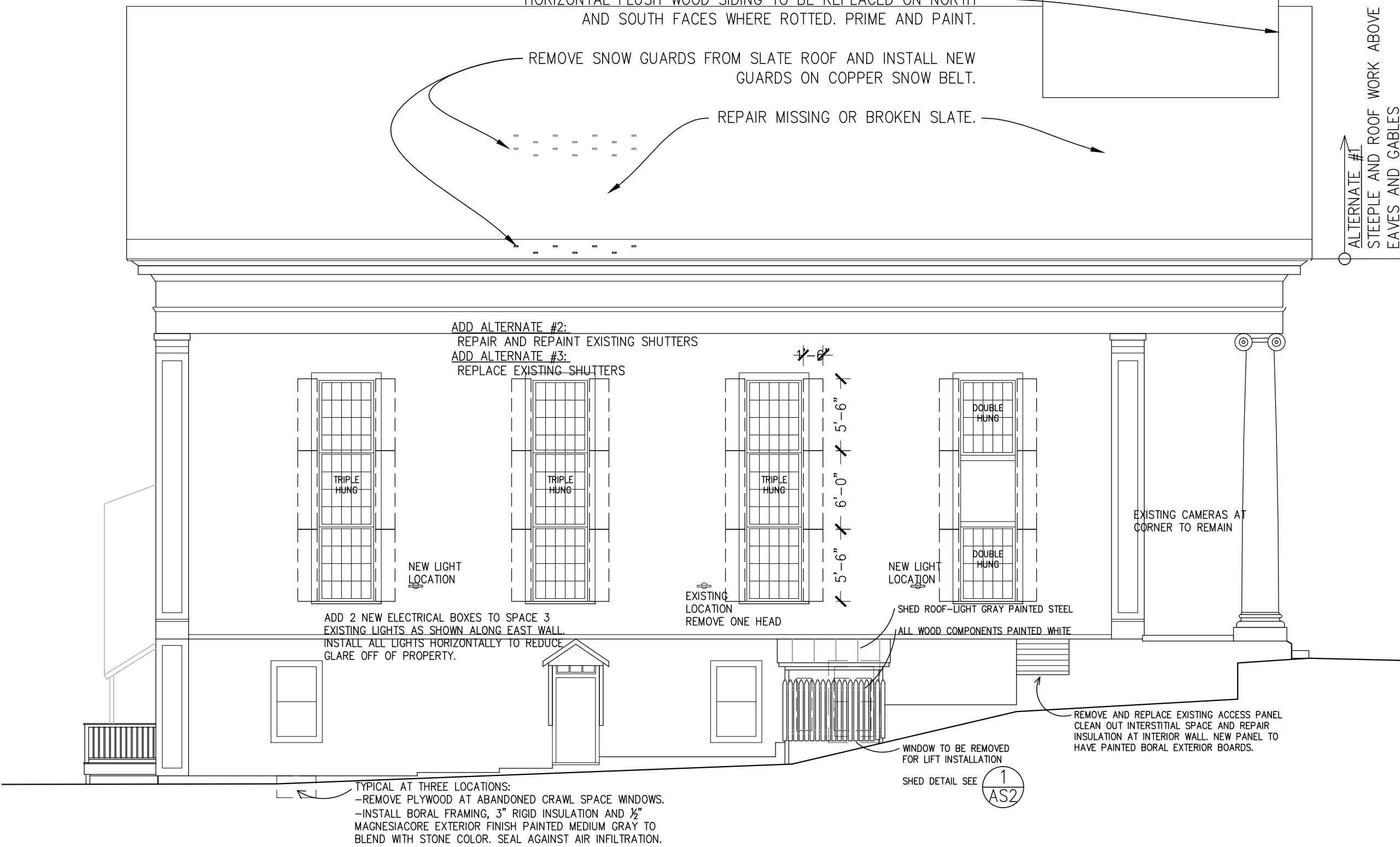


STEEPLE AND ROOF REPAIR NOTES: ALTERNATE #1

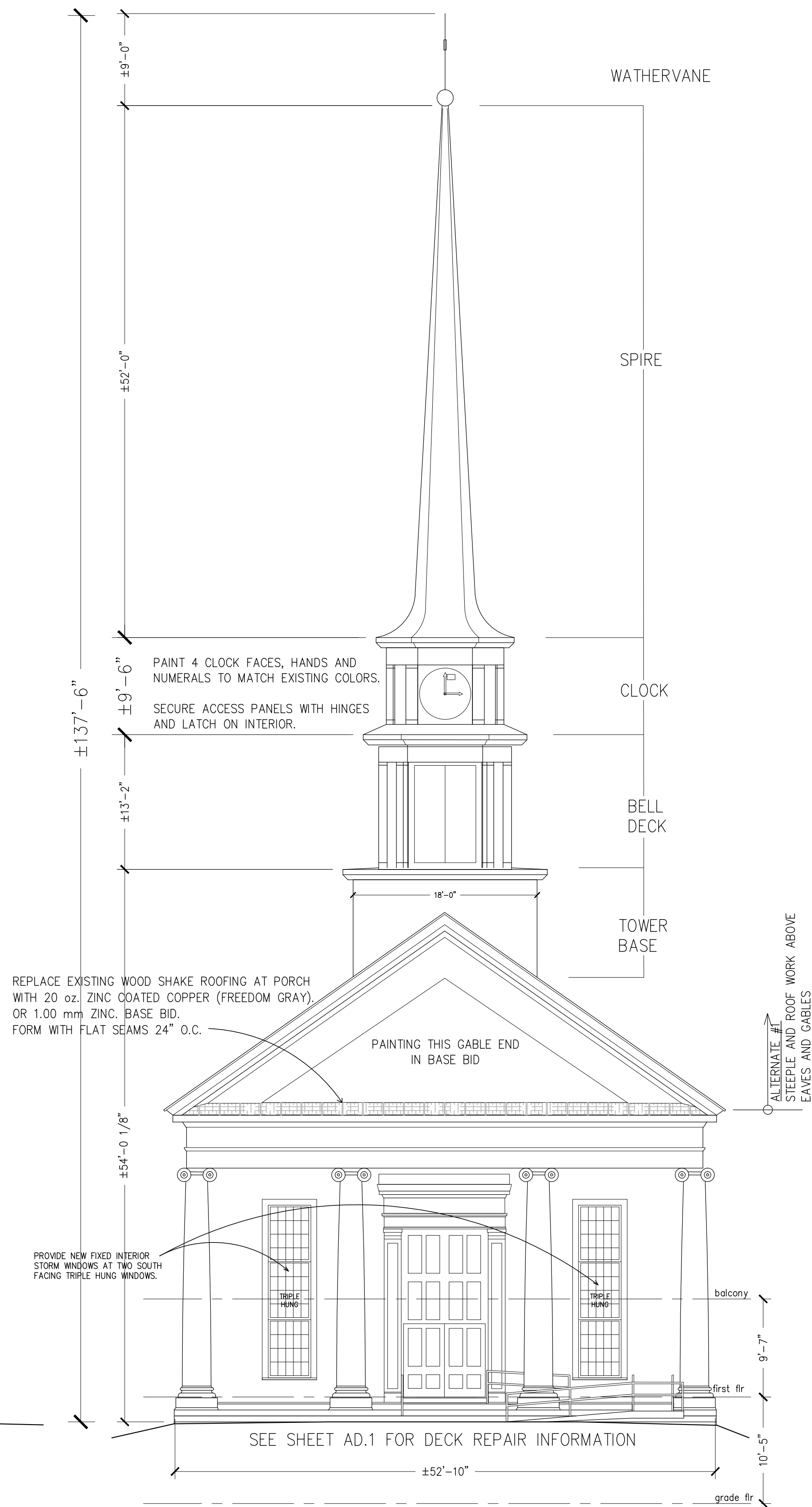
SEE STEEPLE CONDITIONS REPORT DATED SEPTEMBER 20, 2023 FOR MORE DETAILED DESCRIPTION OF WORK TO BE PERFORMED.

- REMOVE WEATHERVANE, CLEAN, REPAIR, PAINT AND RE-INSTALL. SEAL AND PAINT SPIKE.
- SEAL JOINTS AT BALL, PAINT
- PROVIDE FOUR PREFORMED GALVANIZED METAL VENTS ON EACH CARDINAL FACE WITHIN 6" OF TOP OF SPIRE
- REMOVE METAL CLADDING AT TOP OF SPIRE, ±8', TO ASSESS CONDITION OF WOOD SUBSTRATE. REPLACE ANY ROTTED WOOD AND RE-INSTALL CLADDING. APPLY SEALANT AND PAINT
- SCRAPE, PRIME AND PAINT ALL SURFACES FROM SLATE ROOF TO TOP OF SPIRE.
- MAINTAIN LIGHTNING PROTECTION AND CONNECTIONS.

- REMOVE PEELING PAINT, PRIME AND REPAINT SPIRE
- REMOVE LOOSE PAINT, PRIME AND PAINT GALVANIZED ROOFS. SEAL ANY OPEN SEAMS.
- REPLACE ROTTED CROWN MOLDING AND TRIM, PRIME AND PAINT.
- REPLACE PILASTER CAPS WITH NEW GALVANIZED CAPS SIZED AT LEAST 1/2" LARGER THAN TOP OF PILASTER, PRIME AND PAINT.
- CLOCK REPAIRS BY OTHERS, COORDINATE TIMING SO THAT CLOCK FACES AND HANDS CAN BE REPAINTED.
- REPLACE ROTTED WOOD AT PILASTER BASES
- REPLACE ROTTED WOOD AT CROWN MOLDINGS AND FASCIA.
- EPOXY CONSOLIDATE SHUTTER FRAMES AS NEEDED.
- REPLACE ROTTED WOOD AT PILASTER BASES.
- REPLACE ROTTED WOOD AT CROWN MOLDINGS AND FASCIA. MATCH ALL EXISTING PROFILES WITH NEW MATERIAL
- HORIZONTAL FLUSH WOOD SIDING TO BE REPLACED ON NORTH AND SOUTH FACES WHERE ROTTED. PRIME AND PAINT.
- REMOVE SNOW GUARDS FROM SLATE ROOF AND INSTALL NEW GUARDS ON COPPER SNOW BELT.
- REPAIR MISSING OR BROKEN SLATE.



WEST ELEVATION



SOUTH ELEVATION

FOR BIDDING

NOTES:

Stowe Community Church
Stowe, Vermont

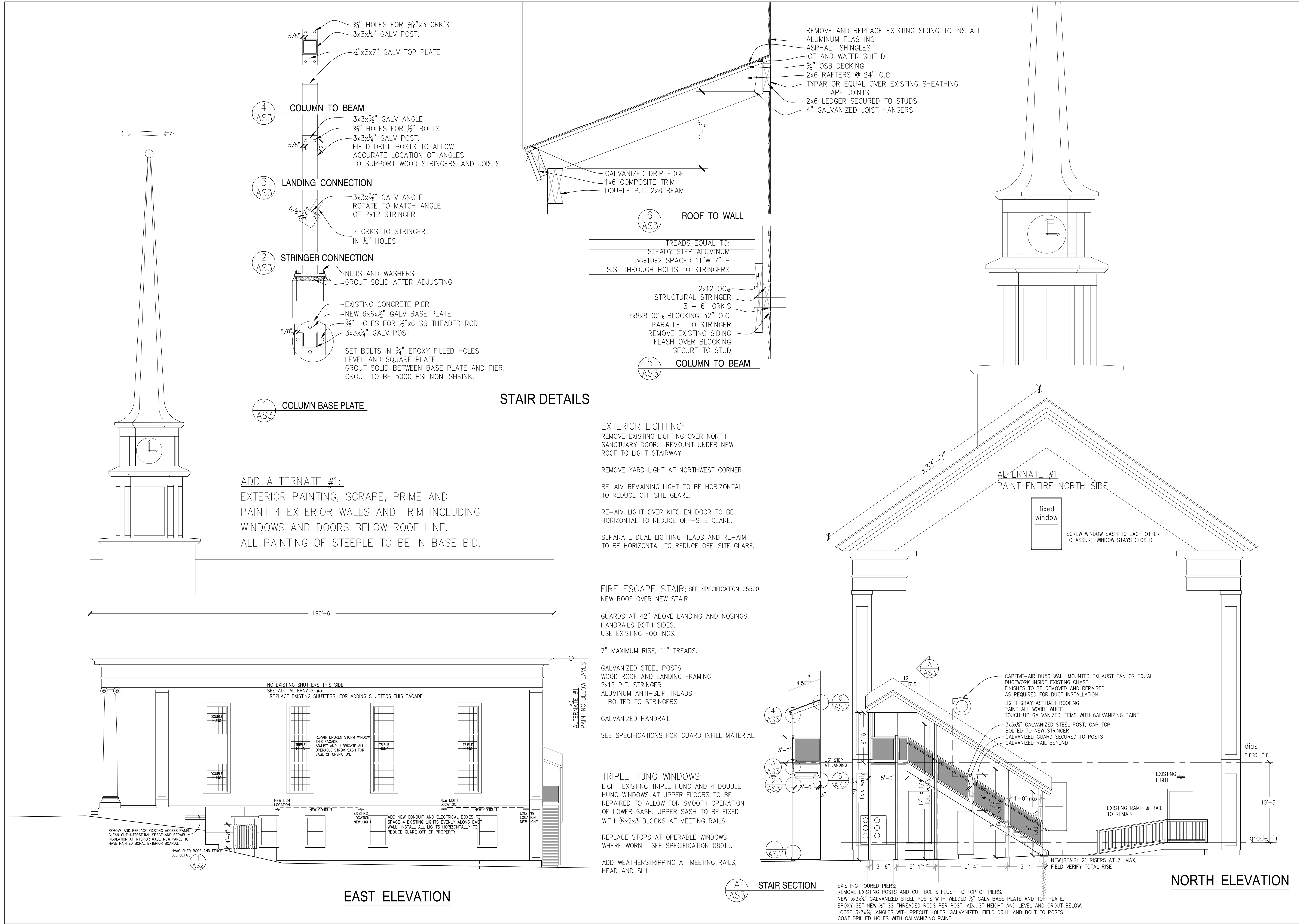
GUILLOT VIVIAN VERHMAN ARCHITECTS, INC. Burlington, VT 802-862-9631

DATE: 22 AUG 24
REVISION:
1 00/00/00

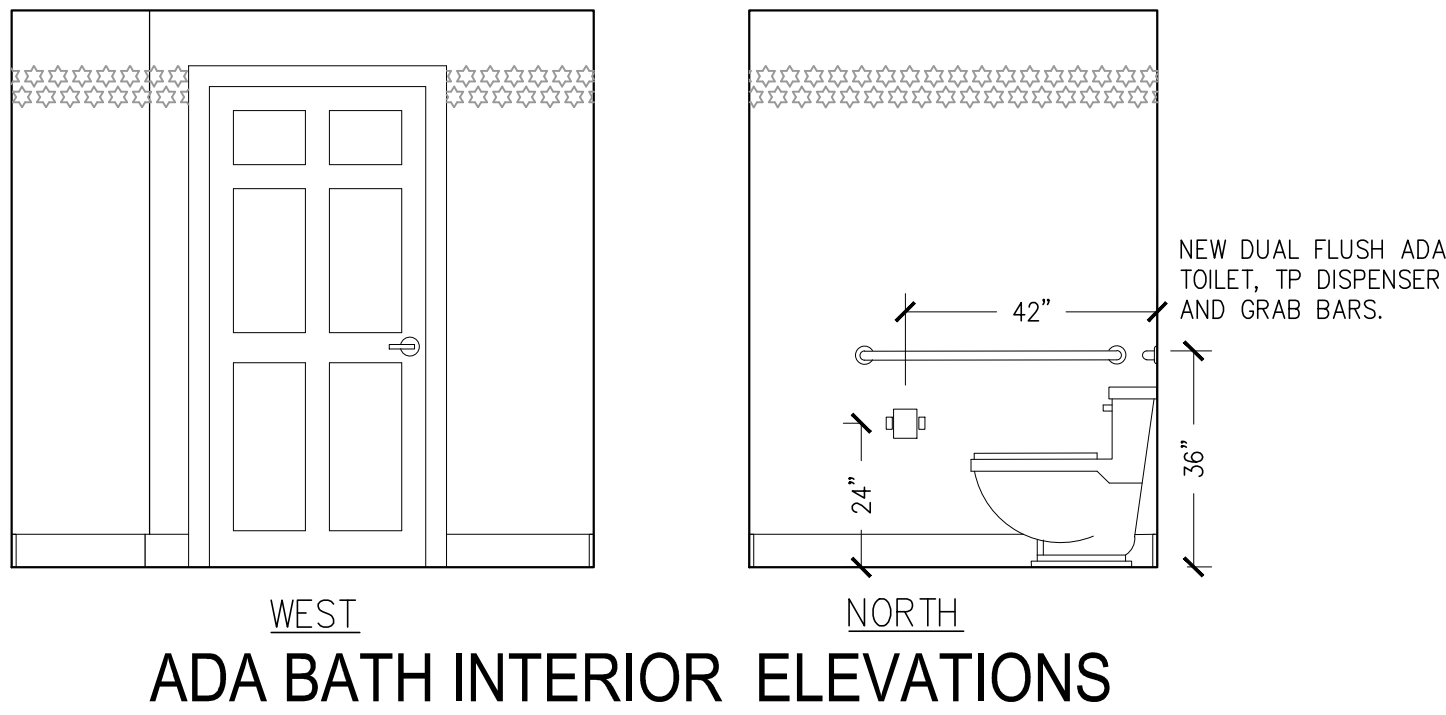
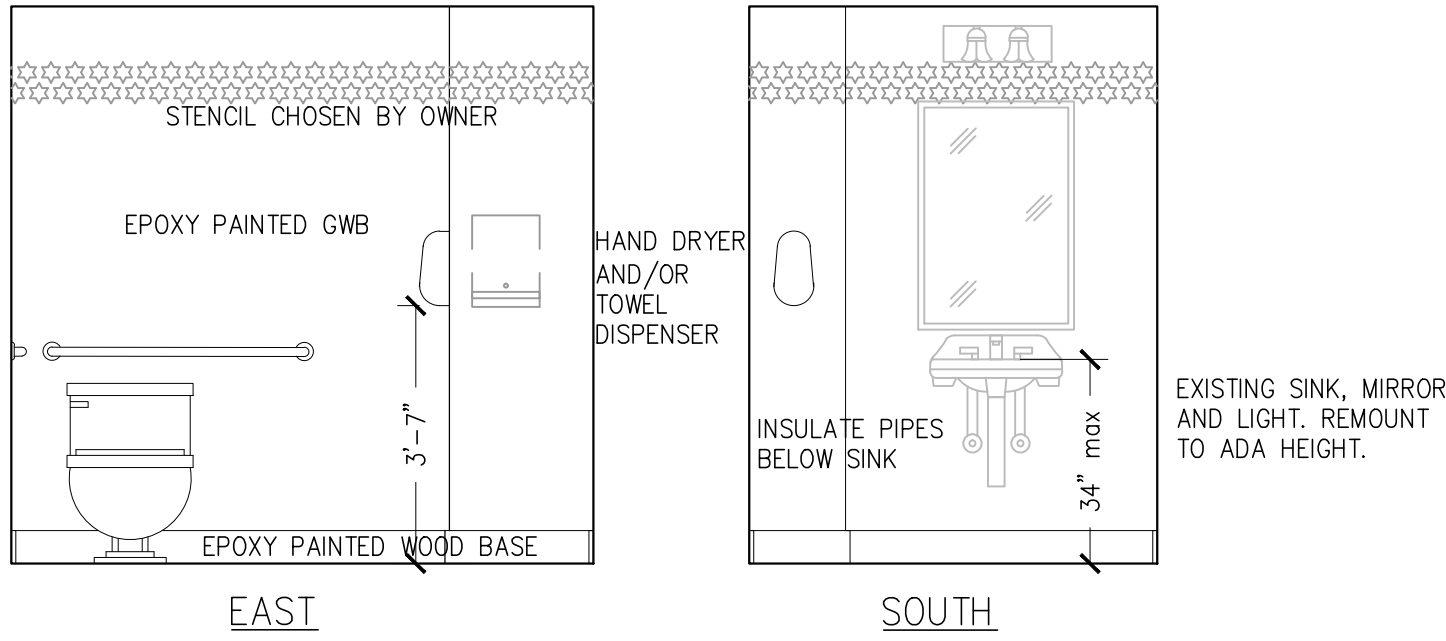
SCALE:
1/8" = 1'-0"

DRAWING:
EXTERIOR
ELEVATIONS
ROOF PLAN

SHEET:
AS2

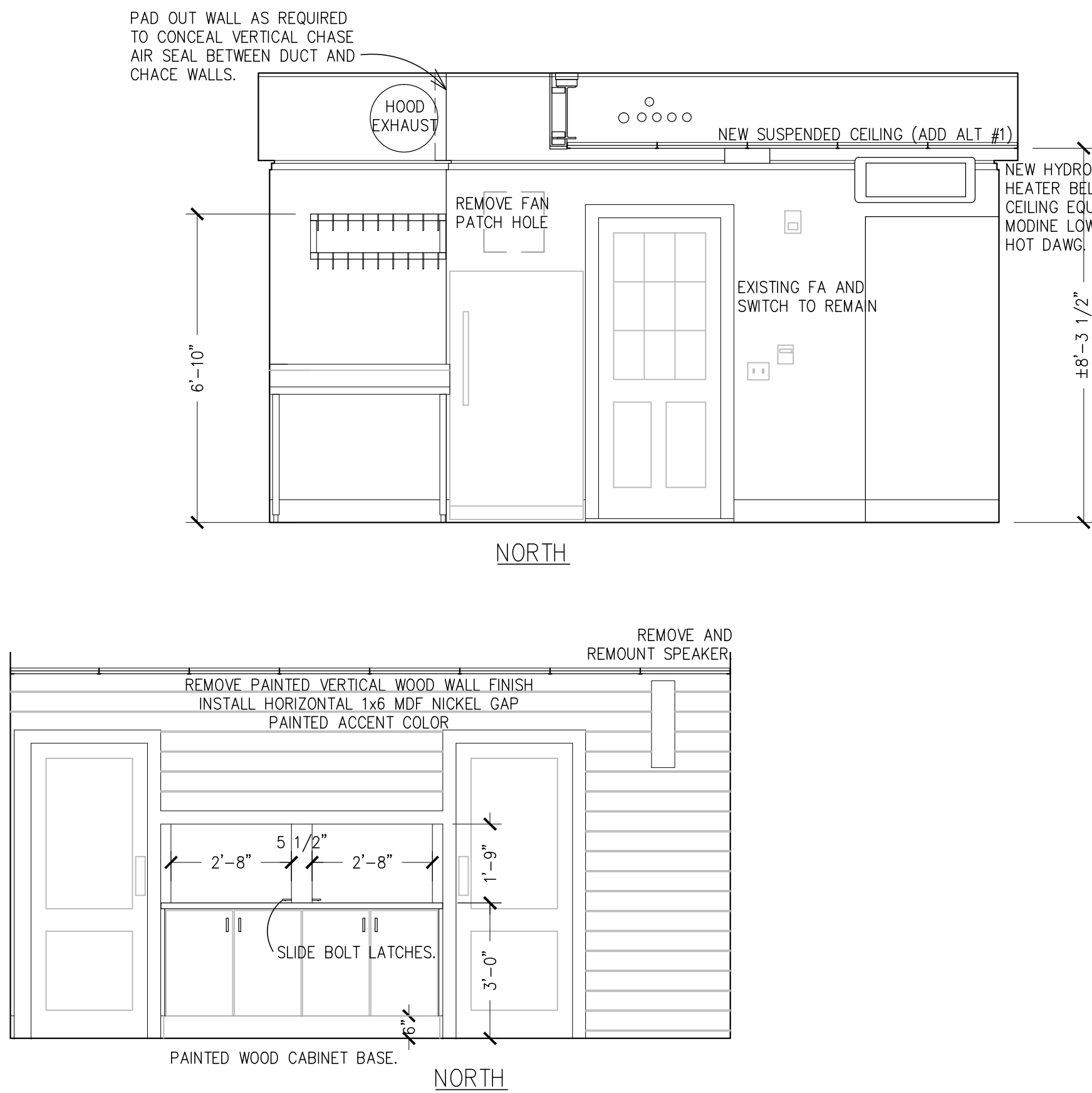


NOTES:

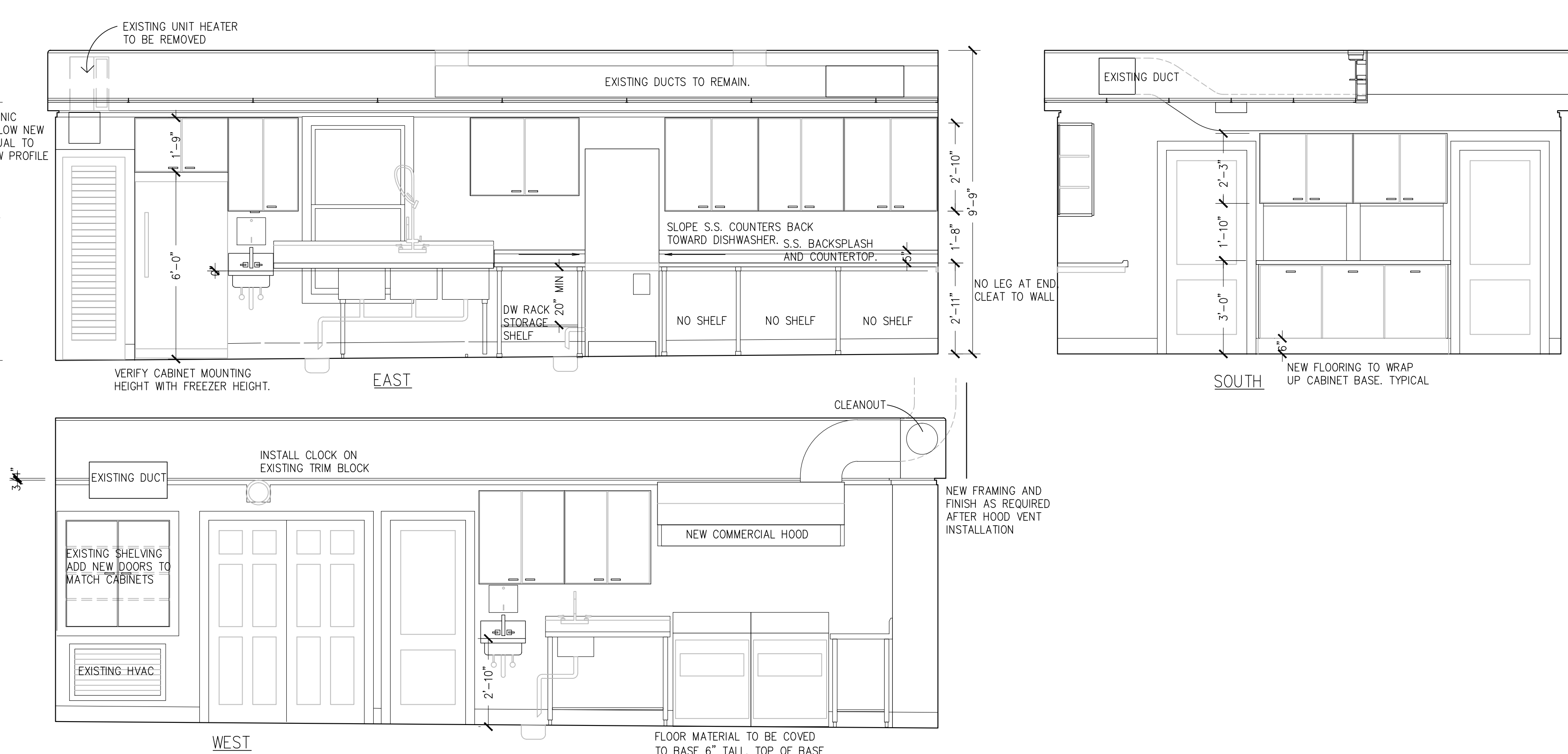


ADA BATH INTERIOR ELEVATIONS

ITEM	DESCRIPTION	WALLS						WATER			MANUFACTURER	MODEL	REMARKS
		QTY	AMPS	KW	HP	VOLTS	CONN./AFF	COLD	HOT	WASTE			
1	S.S. COUNTER	1	-	-	-	-	-	-	-	-			SEE DETAILS FOR SIZE, SHELF AND SLOPE
2	DISHWASHER	1	31.7	-	-	240-1	JB/60"	-	3/4"	1 1/2" INDIRECT	HOBART ECONOLINE	EDH-1	
2A	WASHER RACKS	6	-	-	-	-	-	-	-	-	NOBLE	PEG & FLAT	(4) #274RKOPAPPEG (2) #274RKOPFLWR
3	FLOOR SINK	3	-	-	-	-	-	-	-	3"	JONES STEPHENS	S59043	PVC FLOOR SINK WITH TOP GRATE AND DOME
4	3 BAY SINK	1	-	-	-	-	-	-	-	3 @ 2"	REGENCY	600S318242G	94", 16 GA, WITH DRAINBOARDS. THREE DRAIN VALVES
5	HAND SINK	2	-	-	-	-	-	1/2"	1/2"	1 1/2" DIRECT	ADVANCE TABCO	7-PS-EC-SP-X	SINK WITH SPLASH GUARDS AND FAUCET, 20 GA
6	FREEZER	1			-	120-1	SR/24"	-	-	-			NEW FREEZER BY OWNER
7	REFRIGERATOR	1			-	120-1	EXISTING	1/8"	-	-			NEW REFRIGERATOR BY OWNER
8	POT RACK	1	-	-	-	-	-	-	-	-	REGENCY	600SW36	SS POTRACK W/18 GALVANIZED DOUBLE PRONG HOOKS
9	INDUCTION RANGE	1	40	19.3	-	240-1	SR/24"	-	-	-	SAMSUNG	NSI6DG9100SR	SINGLE OVEN ELECTRIC INDUCTION RANGE
9A	INDUCTION RANGE	1	40	16	-	240-1	SR/24"	-	-	-	SAMSUNG	NE63T8951SS	DUAL OVEN ELECTRIC INDUCTION RANGE
10	S.S. TABLE	1	-	-	-	-	-	-	-	-	REGENCY		48x24 OPEN BELOW
11	S.S. TABLE W/SINK	1	-	-	-	-	-	1/2"	1/2"	1 1/2" INDIRECT	REGENCY	60ST3048L	S.S. WORKTABLE WITH SINK AND UNDERSHELF
12	S.S. TABLE W/DRAWER	1	20		-	120-1	JB/PED	-	-	-	REGENCY	600TSB3060S	SS TABLE, 4" BACKSPLASH, UNDERSHELF, 20x20x5 DWR
13	S.S. TABLE W/DRAWER	4	-	-	-	-	-	-	-	-	STEELTON	522ETSG2460C	SS TABLE, UNDERSHELF, CASTERS, 15Dx20Wx5 DRAWER
14	S.S. TABLE W/DRAWER	1	-	-	-	-	-	-	-	-	STEELTON	522ETSG3048C	SS TABLE, UNDERSHELF, CASTERS, 20x20x5 DRAWER
15	STOOL	8	-	-	-	-	-	-	-	-	LANCASTER	164CMBKLS	PROVIDE 2 EACH YELLOW, AQUAMARINE, BLUE, GREEN
16	CUSTOM CABINET	1	-	-	-	-	-	-	-	-			
17	HOOD	1	10			120-1	JB/DFA	-	-	-			
18	FAUCET	1	-	-	-	-	-	1/2"	1/2"	-			
19	FAUCET	1	-	-	-	-	-	1/2"	1/2"	-			
20	TOWEL DISPENSER	2	-	-	-	-	-	-	-	-	LAVEX	200	WALL MOUNTED (WEB RESTAURANT SUPPLY # 712PTD200
21	DISH DOLLY	1	-	-	-	-	-	-	-	-	METRO	PCD SERIES	OWNER TO VERIFY DISH SIZES BEFORE CHOOSING MODEL #
22	CART	2	-	-	-	-	-	-	-	-	SEVILLE CLASSICS	SHE18304BZ	3-TIER NSF WIRE UTILITY CART = 32.75" MAX HEIGHT
23	RETRACTING CORD	2	20	-	-	120-1	SR/120"	-	-	-	KITCHENLEASH	KL-102014-D	10' CORD WITH KLCB CEILING MOUNTING BRACKET
24	HOOD FAN	1	?	-	?	240-1	JB/?	-	-	-			AS SPECIFIED BY HOOD SUPPLIER
-	WALL CABINETS	10	-	-	-	-	-	-	-	-			



PARTIAL FELLOWSHIP HALL ELEVATION



KITCHEN INTERIOR ELEVATIONS

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This document and the ideas and designs incorporated herein, as an instrument of professional service, is the property of Gillot Vivian Viehmann Architects and is not to be used, in whole or in part, for this or for any other project without the written authorization.

NOTES:

Stowe Community Church
Stowe, Vermont

GUILLOT VIVIAN VIEHMANN ARCHITECTS, INC. Burlington, VT 802-862-9631

DATE: 25 JUNE 24
REVISION:
00/00/00
SCALE:
3/8" = 1'-0"
DRAWING:
INTERIOR ELEVATIONS
EQUIPMENT SCHEDULE
SHEET:
A-K2



Stowe Community Church **Stowe, Vermont**

PROJECT MANUAL

August 15th, 2024

Guillot Vivian Viehmann Architects, Inc.
284 South Union Street
Burlington, Vermont 05401
802-862-9631

DOCUMENT 00100 - INSTRUCTIONS TO BIDDERS

1. Project Name: **Interior Renovations** for:
Stowe Community Church RENOVATIONS
137 Vt. Route 100, Stowe, Vermont
2. Bids are to be submitted on the Bid Form provided or, if on contractors own form, with all the same information requested on the 00300 Bid Form.
3. To obtain bidding documents contact:

Name: Doug Viehmann
Firm: Guillot Vivian Viehmann Architects Inc.
Address: 284 S. Union Street, Burlington, VT 05401
Telephone: 802-862-9631
4. Submission of Bids: Submit Document 00300 - Bid Form before the time and date below. Submit bids with the project name and bidder's name on the outside of the envelope or e-mail subject line.

Submit Bid To: Doug Viehmann
Firm: Guillot Vivian Viehmann Architects Inc.
Address: 284 S. Union Street, Burlington, VT 05401
Date and Time of Day: **September 16, 2024 by 5pm**
5. The Owner reserves the right to reject or accept any or all bids or to enter into negotiations with any bidder. The Owner reserves the right to waive any alleged breach of technicality.
6. The Owner reserves the right to modify the Contract Documents and rebid the project, if necessary, to meet Owner's budgetary requirements.
7. **Questions: Prior to September 10, 2024**, submit questions to the person named below. Questions will be answered in writing and distributed to bidders of record.

Name: Doug Viehmann
Firm: Guillot Vivian Viehmann Architects Inc.
Address: 284 S. Union Street, Burlington, VT 05401
City, State, ZIP: Burlington, VT 05401
Email: dv@gvvarchitects.com
8. Site Visit: A site visit is required. Contact the person named above to arrange to visit the site.

END OF DOCUMENT

BID FORM

1. Name and Address of Bidder: _____
2. This Bidding document becomes part of the Contract Documents for the successful bidder.
3. Submit bids in compliance with Request for Bids. Fill in blanks. The Owner reserves the right to reject any or all bids.
4. Base Bid for Proposal: _____
5. Alternates:
~~Alternate #1: Steeple and Roof Repairs: _____~~
Alternate # 2: Repair and paint existing shutters. _____
Alternate #3: Replace shutters & add shutters on east wall. _____
Alternate #4: Install Window storm panel on Sash. _____
Alternate #5: re-lamping and controls for sanctuary lighting. _____
Alternate #6: Extended Warrantee for Wheelchair lift. _____
Alternate #7: HVAC Installation including repair of finishes. _____
Alternate #8: Finishes in Sanctuary and Narthex. _____
6. Allowances: List allowances other than those listed in Specifications Section 01020.

7. Percentage Mark-up for change orders: _____
8. Insurance: List insurance limits. General Liability: _____
9. Time: The Bidder is available to perform the work per the following dates:
A. Possible Start Date: _____
B. Probable completion time in months: _____
10. By submitting this Bid Form, the Bidder certifies that he has visited the project site, is aware of existing conditions which affect the work, and has reviewed the Contract Documents, including the following Addenda: **(List Addenda received)**

Signed

_____ date _____

END OF DOCUMENT

Statement of Special Inspections

Project: *Stowe Community Church*

Location: *137 Main Street, Stowe, Vermont*

Owner: *Stowe Community Church*

Design Professional in Responsible Charge: *Douglas R Viehmann, G V V Architects Inc.*

This *Statement of Special Inspections* is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the Building Code. It includes a schedule of Special Inspection services applicable to this project as well as the identity of agencies to be retained for conducting these inspections and tests. This *Statement of Special Inspections* encompass the following disciplines:

☒ Structural ☒ Mechanical/Electrical/Plumbing
☒ Architectural ☐ Other: _____

Inspection reports shall be furnished to the Building Official and the Registered Design Professional in Responsible Charge. Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. The Special Inspection program does not relieve the Contractor of his or her responsibilities. Job site safety and means and methods of construction are solely the responsibility of the Contractor.

Special Inspections, testing and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy.

1705.1 - Unusual construction or material proposed.	NO
1705.2 - Field welded connections proposed.	NO
1705.3 - Welded reinforcement specified.	NO
1705.4 - Masonry construction.	NO
1705.5 - Truss design	None
1705.6 - Soils compaction if required by site conditions will be tested. Soils under footings will be tested for bearing capacity.	
1705.7 - 1705.8 - 1705.9 - Deep foundations or Piles	NO
1705.10 - See Page Three.	
1705.11 - 1705.12 - See Page Three.	
1705.13 - 1705.14 - Sprayed intumescent coatings.	NO
1705.15 - EIFS finish system.	NO
1705.16 - High rise building.	NO
1705.17 - Smoke control systems in this structure.	NO

Prepared by:

Douglas R Viehmann

Signature



4-4- 2017

Date

Schedule of Inspection and Testing Agencies

This Statement of Special Inspections / Quality Assurance Plan includes the following building systems:

- | | |
|--|--|
| <input type="checkbox"/> Soils and Foundations | <input type="checkbox"/> Spray Fire Resistant Material |
| <input type="checkbox"/> Cast-in-Place Concrete | X Wood Construction |
| <input type="checkbox"/> Precast Concrete | <input type="checkbox"/> Exterior Insulation and Finish System |
| <input type="checkbox"/> Masonry | X Mechanical & Electrical Systems |
| <input type="checkbox"/> Structural Steel | X Architectural Systems |
| <input type="checkbox"/> Cold-Formed Steel Framing | <input type="checkbox"/> Special Cases |

Special Inspection Agencies	Firm	Address, Telephone, e-mail
1. Inspector	<i>None required</i>	
2. Testing Agency	<i>None Required</i>	
3. Civil Engineer	<i>None Required</i>	
4. Structural Engineer Roof trusses	<i>Engineering Ventures Attn.: Bob Neald</i>	<i>Burlington, VT 802-863-6225</i>

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.

Quality Assurance Plan

Quality Assurance for Seismic Resistance

Seismic Design Category **C**
 Quality Assurance Plan Required (Y/N) **No**

Description of seismic force resisting system and designated seismic systems:

Quality Assurance for Wind Requirements

Basic Wind Speed (3 second gust) **$V=115\text{ mph}$, $V_{ASD}=89\text{ mph}$**
 Wind Exposure Category **C**
 Quality Assurance Plan Required (Y/N) **No**

Description of wind force resisting system and designated wind resisting components:
 Existing Structure to be re-inforced at roof trusses per engineers detailing.

Statement of Responsibility

Each contractor responsible for the construction or fabrication of a system or component designated above must submit a Statement of Responsibility.

Qualifications of Inspectors and Testing Technicians

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided if requested.

Key for Minimum Qualifications of Inspection Agents:

When the Registered Design Professional in Responsible Charge deems it appropriate that the individual performing a stipulated test or inspection have a specific certification or license as indicated below, such designation shall appear below the *Agency Number* on the Schedule.

PE/SE	Structural Engineer – a licensed SE or PE specializing in the design of building structures
PE/GE	Geotechnical Engineer – a licensed PE specializing in soil mechanics and foundations
EIT	Engineer-In-Training – a graduate engineer who has passed the Fundamentals of Engineering examination

American Concrete Institute (ACI) Certification

ACI-CFTT	Concrete Field Testing Technician – Grade 1
ACI-CCI	Concrete Construction Inspector
ACI-LTT	Laboratory Testing Technician – Grade 1&2
ACI-STT	Strength Testing Technician

American Welding Society (AWS) Certification

AWS-CWI	Certified Welding Inspector
AWS/AISC-SSI	Certified Structural Steel Inspector

American Society of Non-Destructive Testing (ASNT) Certification

ASNT	Non-Destructive Testing Technician – Level II or III.
------	---

International Code Council (ICC) Certification

ICC-SMSI	Structural Masonry Special Inspector
ICC-SWSI	Structural Steel and Welding Special Inspector
ICC-SFSI	Spray-Applied Fireproofing Special Inspector
ICC-PCSI	Prestressed Concrete Special Inspector
ICC-RCSI	Reinforced Concrete Special Inspector

National Institute for Certification in Engineering Technologies (NICET)

NICET-CT	Concrete Technician – Levels I, II, III & IV
NICET-ST	Soils Technician - Levels I, II, III & IV
NICET-GET	Geotechnical Engineering Technician - Levels I, II, III & IV

Exterior Design Institute (EDI) Certification

EDI-EIFS	EIFS Third Party Inspector
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Other

Soils and Foundations

Page 5 of 6

Item	Agency # (Qualif.)	Scope
1. Shallow Foundations	<i>None</i>	
2. Controlled Structural Fill	<i>None</i>	
2. Controlled Structural Fill	<i>None</i>	

Cast-in-Place Concrete

Item	Agency # (Qualif.)	Scope
1. Use of proper Design Mix	<i>None</i>	<i>None</i>
2. Reinforcement Installation	<i>None</i>	<i>None</i>
3. Anchor Rods	<i>None</i>	<i>None</i>
4. Concrete Placement	<i>None</i>	<i>None</i>

5. Sampling and Testing of Concrete	<i>None</i>	<i>None</i>
6. Curing and Protection	<i>None</i>	<i>None</i>
7. Post Installed Anchors	<i>None</i>	<i>None</i>

Structural Steel

Page 6 of 6

Item	Agency # (Qualif.)	Scope
1. Bolting	<i>None</i>	<i>None</i>
2. Welding	<i>None</i>	<i>None</i>
3. Structural Details	<i>None</i>	<i>None</i>

SECTION 01020

ALLOWANCES

PART 1 - GENERAL

1.01 SUMMARY

- A. Allowance amounts below are for materials only. Include all other costs including installation in base bid price.
- B. Coordinate allowances with requirements for related and adjacent work.
- C. Notify Owner of date when final decision on allowance items is required to avoid delays in the work.
- D. Furnish certification that quantities of products purchased are the actual quantities needed with reasonable allowance for cutting or installation losses, tolerances, mixing waste and similar margins.
- E. Submit invoices or delivery slips to indicate actual quantities of materials delivered and costs. Indicate amounts of applicable trade discounts.

PART 2 - PRODUCTS - Not Applicable To This Section

PART 3 - EXECUTION

3.01 SCHEDULE

- A. Unit cost allowances:
 - 1. Tile (Section 09300): \$ 9 per square foot.
 - 2. Carpet (Section 09680): \$ 40 per square yard installed
- B. Lump sum allowances:
 - 1. Toilet accessories (Section 10800): \$2000
 - 2. Improved access to crawl space. (see drawing A1.2): \$8,000.

END OF SECTION

SECTION 01030

ALTERNATES

PART 1 - GENERAL

1.1 SUMMARY

- A. See list of Alternates in Bid Form. Include cost of modifications to work to accommodate alternate. Include related costs such as overhead and profit.
- B. Owner will determine which alternates are selected for inclusion in the Contract.
- C. Coordinate alternates with related work to ensure that work affected by each selected alternate is properly accomplished.

PART 2 - PRODUCTS - Not Applicable To This Section

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

- ~~A. Alternate #1: Steeple and roof work above Eaves: See notes on Sheet AS2 and Steeple Conditions Report dated 09-20-2023 for complete description of work.~~
- B. Alternate # 2: **Repair and paint existing shutters.** Twenty four existing shutters on four windows on west wall are wood. Repair, epoxy consolidate, scrape, prime, paint and re-install.
- C. Alternate #3: **Replace existing shutters and add shutters onto east wall.** See specification section
- D. Alternate #4: **Install Window storm panel on Sash:** Equal to Slim Line Insulating Pane (SLIP), www.windowslip.com, on exterior face of all sash to upgrade glazing for efficiency.
- E. Alternate #5: re-lamping and controls for **sanctuary lighting**, see drawing A1.1.
- F. Alternate #6: **Extended Warrantee for Wheelchair lift.** See division 14240.
- G. Alternate #7: **HVAC Installation** including repair of finishes.
- H. Alternate #8: **Finishes in Sanctuary and Narthex.** Repairs and painting required for HVAC installation to be included as part of HVAC alternate.

END OF SECTION

SECTION 01045

CUTTING AND PATCHING

PART 1 - GENERAL

1.01 SUMMARY

- A. Provide cutting and patching work to properly complete the work of the project, complying with requirements for:
 - 1. Structural work.
 - 2. Mechanical/electrical systems.
 - 3. Visual requirements, including detailing and tolerances.
 - 4. Operational and safety limitations.
 - 5. Fire resistance ratings.
 - 6. Inspection, preparation, and performance.
 - 7. Cleaning.
- B. Do not cut and patch in a manner that would result in a failure of the work to perform as intended, decreased energy performance, increased maintenance, decreased operational life, or decreased safety.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. Match existing materials for cutting and patching work with new materials conforming to project requirements.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Inspect conditions prior to cutting and patching to identify scope and type of work required. Protect adjacent work. Notify Owner of work requiring interruption to building services or Owner's operations.
- B. Perform work with workmen skilled in the trades involved. Prepare sample area of each type of work for approval.
- C. Cutting: Use cutting tools, not chopping tools. Make neat holes. Minimize damage to adjacent work. Check for concealed utilities and structure before cutting.
- D. Patching: Make patches, seams, and joints durable and inconspicuous. Comply with tolerances for new work.
- E. Clean work area and areas affected by cutting and patching operations.

END OF SECTION

SECTION 01300**SUBMITTALS****PART 1 - GENERAL****1.01 SUMMARY**

- A. Provide information and material data as required by each specifications section. Comply with requests for additional information if requested.
- B. Provide types of submittals listed in individual sections and if submitted in hard copy provide number of copies as scheduled below. Shop drawings may be submitted electronically. All requirements of C through G below still apply. **Color samples must be submitted in hard copy.**
 - 1. Structural, mechanical and electrical product data and shop drawings - 5 copies. (Architect, Engineer, Contractor, Field office, Owner)
 - 2. Architectural product data and shop drawings – 4 copies.
 - 3. Samples - 2, plus extra samples as required to indicate range of color, finish, and texture to be expected.
 - 4. Mock-ups - as required in the individual sections.
 - 5. Inspection and test reports - 4 copies.
 - 6. Warranties - 2 copies.
 - 7. Survey data - 4 copies.
 - 8. Closeout submittals - 2 copies.
 - 9. Project photographs – digital images of all work that will be concealed when project is complete.
- C. Provide required re-submittals if original submittals are not approved. Distribute approved copies including modifications after submittals have been approved.
- D. Samples and shop drawings shall be prepared specifically for this project. Shop drawings shall include dimensions and details, including adjacent construction and related work. Note special coordination required. Note any deviations from requirements of the Contract Documents. Electronic samples for color will not be accepted.
- E. Provide warranties as specified; warranties shall not limit length of time for remedy of damages Owner may have by legal statute. Warranties shall be signed by Construction Manager, supplier or installer responsible for performance of warranty.
- F. Project Manual: Provide 1 hard copy and one electronic copy of all product data, shop drawings, inspection and test reports for owner's permanent records.
- G. Record Drawings: Any changes to Construction Documents and approved shop drawings shall be recorded on one set of plans located on site. This set shall be scanned for electronic records and submitted to the Architect for archiving.

PART 2 - PRODUCTS - Not Applicable To This Section

PART 3 - EXECUTION - Not Applicable To This Section

END OF SECTION

SECTION 05500

METAL FABRICATIONS

PART 1 GENERAL

1. SUMMARY

- A. Provide miscellaneous metal items fabricated from heavy gage metals and not provided with structural steel system:
 - 1. Miscellaneous Galvanized steel shapes.
 - 2. Equipment hangers & supports.
 - 3. Stainless steel components.

2. SUBMITTALS

- A. Submit for approval, shop drawings, product data, and test reports.
- B. Indicate dimensions and clearances required for each product on shop drawings.

3. QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.

PART 2 PRODUCTS

1. MATERIALS

- A. Materials:
 - 1. Galvanized Steel: ASTM A123 and ASTM A153 for small parts.
 - 2. Stainless Steel: Alloy 316 for corrosion resistance to salts.
 - 3. Fasteners: Stainless Steel fasteners designed for loading and use.
 - 4. Grout: Non-shrink non-metallic grout.
 - 5. Concrete inserts: Stainless Steel.
- B. Corrosion Control: Design, fabricate and install to prevent galvanic action and other forms of corrosion by insulating metals and other materials from direct contact with incompatible materials.
- C. Galvanized ferrous metal items where exposed to weather and high humidity; 1 coat primer (shop-applied) in dry locations.
 - 1. Galvanizing for sheet steel: ASTM A 525.
 - 2. Primer; Tnemec 10-99, PPG Inhibitive Metal Primer, Rustoleum Rusty Metal Primer, or approved equal.
 - 3. Galvanizing repair paint, zinc rich primer; Tnemec, PPG, ZRC Chemical Products or approved equal.

PART 3 EXECUTION

1. INSTALLATION

- A. Take field measurements prior to preparation of shop drawings and fabrication. Allow for cutting and fitting if field measurement not practical.
- B. Form work true to line with sharp angles and edges. Weld continuously, grind flush and make smooth on exposed surfaces. Conceal fasteners in stainless steel work.
- C. Install work plumb and level with hairline joints and ground flush welds.
- D. Railings: Provide sizes, profiles and dimensions indicated. Provide mitered joints at 90 degree turns and smooth sweeps at bends. Provide wall returns, end caps, brackets, fittings, and toe boards.
- F. Remove debris from site and dispose of debris using care to recycle paper, plastic, metal and wood products as available by local services.

END OF SECTION

SECTION 05520

STAIRS, HANDRAILS AND RAILINGS

PART 1 GENERAL

1. SUMMARY

- A. Provide stairs and railings as detailed.

2. SUBMITTALS

- A. Submit for approval samples, shop drawings, product data, test reports.

3. QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.

PART 2 PRODUCTS

1. MATERIALS

- A. Aluminum Stair treads equal to Steady-Step® aluminum anti-slip treads, by Clearway supply.
- B. Structural stringers equal to Owens Corning OC Lumber®. Sizes as indicated on drawings designed for L/180 worst case deflection. Product available in Vermont through Dock Doctors, Ferrisburgh, VT.
- C. Handrails to be 1 ½" o.d. galvanized steel pipe, welded to brackets and mechanically fastened to vertical supports.
- D. Screening material between rails to be one of the following:
 - 1. ¾" square perforated 14 gauge aluminum on 1" centers. 48" wide sheets.
 - 2. 1" square PVC coated 12 gauge Galvanized wire mesh, color gray. Available through DirectMetals.com.
 - 3. For each product; provide stainless steel 'U' edging, type 304 alloy, 14 gauge, 1/8" opening X 1" width, crimped over exposed edges of sheets.
- E. Fasteners and anchors: Non-corrosive concealed fasteners and anchors.
- F. Design, fabricate and install handrails and railing to withstand loads as required and without exceeding the allowable design working stress of the materials and connections. Apply each load to produce the maximum stress in each of the respective components comprising the handrails and railing systems.

PART 3 EXECUTION

1. INSTALLATION

- A. Take field measurements prior to fabrication, where possible. Form to required shapes and sizes with true, straight edges, lines and angles. Provide light-tight, hairline joints.
- B. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction. Coordinate with work of other sections.
- C. Coordinate with work of other sections; provide inserts and templates as needed. Install work plumb and level with uniform appearance.
- D. Stairs: Control access to and use of stair systems. Do not permit use of stairs until stairs and railing systems are complete and ready to assume design loading. Do not permit overloading of stair systems.
- E. Restore damaged finishes, replace work that cannot be corrected at project. Remove labels, clean all surfaces and protect work from damage.
- F. Remove debris from site and dispose of debris using care to recycle paper, plastic and metal products as available by local services.

END OF SECTION

SECTION 05580

SHEET METAL FABRICATIONS

PART 1 GENERAL

1. SUMMARY

- A. Provide decorative sheet metal fabrications of stainless steel, aluminum, or carbon steel for closures, trim, shutters, filler panels, kitchen countertops and enclosures.

2. SUBMITTALS

- A. Submit for approval samples, shop drawings, product data.

3. QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.

PART 2 PRODUCTS

1. MATERIALS

- A. Materials:
 - 1. Stainless steel: 16 gage with AISI No. 6 satin directional polish.
 - 2. Aluminum: 0.125" with color anodized finish.
 - 3. Galvanized steel sheet: ASTM A525.
 - 4. Hardware: Hinges, pulls, and locking devices as approved.
 - 5. Gaskets, coatings and shims as needed for completing work.
- B. Corrosion Control: Design, fabricate and install to prevent galvanic action and other forms of corrosion by insulating metals from direct contact with incompatible materials.

PART 3 EXECUTION

1. INSTALLATION

- A. Take field measurements prior to fabrication, where possible. Form to required shapes and sizes with true, straight edges, lines and angles. Provide light-tight, hairline joints.
- B. Install in accordance with manufacturer's instructions and approved submittals. Install in proper relation with adjacent construction. Coordinate with work of other sections.
- C. Coordinate with work of other sections; provide inserts and templates as needed. Install work plumb and level with uniform appearance.
- D. Restore damaged finishes and protect work.
- E. Remove debris from site and dispose of debris using care to recycle paper, plastic, metal and wood products as available by local services.

END OF SECTION

SECTION 06100

ROUGH CARPENTRY

PART 1 GENERAL

1. SUMMARY

- A. Provide rough carpentry work:
 - 1. Framing and sheathing.
 - 2. Backing panels for utilities.
 - 3. Nailers, blocking, furring, and sleepers.

2. SUBMITTALS

- A. Submit for approval product data.

3. QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Protect materials from weather, water or damage from other activities.

PART 2 PRODUCTS

1. MATERIALS

- A. Lumber, finished 4 sides, 19% maximum moisture content:
 - 1. Light framing: Construction grade SPF.
 - 2. Boards: Construction grade.
- B. Wood for nailers, blocking, furring and sleepers: Construction grade, finished 4 sides, 19% maximum moisture content. Pressure preservative treat items in contact with roofing, flashing, waterproofing, masonry, concrete or the ground. Coordinate with all trades to provide blocking for all mounted items.
- C. Plywood or oriented strand board, APA rated for use and exposure:
 - 1. Roof sheathing: 5/8".
 - 2. Backing panels: 3/4" APA C-D plugged interior with exterior glue, fire-retardant treated.
- D. Air infiltration barrier: Tape seams of existing sheathing where exposed by other work. Tape joints to adjacent materials in areas that will be hidden by finishes.
- E. Wood treatment:
 - 1. Preservative treatment: Pressure-treated with waterborne preservatives, to comply with AWPB LP-2 for above-ground items LP-22 for ground contact items. Kiln dry after treatment to 19% max. moisture content for lumber and 15% for plywood. Treat above-ground wood exposed to deterioration by moisture and all wood in contact with the ground or fresh water.

PART 3 - EXECUTION

1. INSTALLATION

- A. Plywood: Comply with recommendations of APA Design and Construction Guide - Residential and Commercial.
- B. Provide nailers, blocking and grounds where required. Set work plumb, level and accurately cut.
- C. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction. Coordinate with other work.
- D. Comply with manufacturer's requirements for cutting, handling, fastening and working treated materials.
- E. Restore damaged finishes and test for proper operation. Remove labels, clean all surfaces and protect work from damage.
- F. Remove debris from site and dispose of debris using care to recycle paper, plastic, metal and wood products as available by local services.

END OF SECTION

SECTION 06200

FINISH CARPENTRY, MILLWORK AND COUNTERTOPS

PART 1 GENERAL

1. SUMMARY

- A. Provide finish carpentry for interior items exposed to view:
- B. Provide millwork:
 - 1. Laminate faced casework and cabinets.
 - 2. Stainless steel countertops by others see Section 05580.
 - 3. Composite countertop at pass-through.
- C. Exterior Composite wood trim.
- D. See Section 11450 for kitchen equipment.

2. SUBMITTALS

- A. Submit samples of laminate, hardware, wood, finishes, and shop drawings for approval.

3. QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Protect materials from weather, water or damage from other activities.

PART 2 PRODUCTS

1. MATERIALS

- A. Quality standard for plastic laminated faced architectural cabinets fabrication and products: "Architectural Woodwork Standards".
 - 1. Custom Grade.
 - 2. Frameless.
 - 3. Flush overlay doors.
 - 4. High Pressure laminate.
 - 5. Interior face materials: Melamine.
- B. Interior finish standing and running trim and window sills:
 - 1. Boards for transparent finish: Birch unless specified otherwise in details.
 - a. Sills: Hardwood edge banded plywood size per details.
 - b. Vertical and horizontal running trims: 1x4 typical
 - 2. Boards for painted finish: square edge finger jointed Poplar.
 - a. 1x material trimmed to fill jamb and head openings.
 - b. Vertical and horizontal running trims: 1x4 typical
- C. Exterior finish wood:
 - 1. Composite Trims for Exterior use: equal to Boral TruExterior®.

- D. Millwork hardware: Satin Stainless Steel;
 - 1. Heavy duty ball-bearing side-mount drawer slides rated for 75# minimum.
 - 2. Cabinet Doors:
 - a. Self-closing inside-mount concealed European style hinges. 2 per panel except 3 for doors over 36" tall
 - b. Pulls for doors and drawers equal to Iron Valley Hardware cast iron 6" square pull. (www.ironvalleyhardware.com)
 - c. Adjustable shelf supports: button type at 3" O.C.
 - 3. Counter top brackets: 12 gage galvanized steel cut with 2" wall and desk flanges, machine all edges smooth; color to match walls.
- E. Millwork finish:
 - 1. Interior painted wood finish: Prime and 2 coats. Color: TBD
 - 2. Exterior painted wood finish: Prime and 2 coats. Color: white
- F. Shelving: Knappe and Vogt or approved equal for adjustable shelving wood cleats for fixed shelving.

PART 3 EXECUTION

1. INSTALLATION

- A. Provide work to sizes, shapes, and profiles indicated. Install work to comply with quality standards referenced. Back prime work and install plumb, level and straight with tight joints; scribe work to fit.
- B. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction. Use non-corrosive fasteners for exterior work. Coordinate with work of other sections.
- C. Comply with manufacturer's requirements for cutting, handling, fastening and working treated materials.
- D. Field measure for sizes, angles and offsets of all countertops. Counters to be shop fabricated and delivered to site on day of installation. Protect from damage with fiberboard or other appropriate soft, thick material.
- E. Restore damaged finishes and test for proper operation. Remove labels, clean all surfaces and protect work from damage.
- F. Remove debris from site and dispose of debris using care to recycle paper, plastic, metal and wood products as available by local services.

END OF SECTION

SECTION 07200

INSULATION AND AIR BARRIER

PART 1 GENERAL

1. SUMMARY

- A. Provide building insulation of board, blanket, and loose-fill types as applicable:
 - 1. Exposed stud bays in exterior walls; rock wool fill cavities.
 - 2. Roof; None.
 - 3. Voids between exterior components; Expansive foam.
 - 6. Interior sound batts: rock wool and sealants See Division 07900.
- B. Provide air barrier tapes and sealants at wall to roof joints and openings.

2. SUBMITTALS

- A. Submittals shall comply with the requirements of the Construction Contract Clauses, Division 1 Section "Submittals", and the individual sections specifying the work. Submit samples and shop drawings for approval.

3. QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Protect materials from weather, water or damage from other activities.

PART 2 PRODUCTS

1. MATERIALS

- A. Expansive Foam Insulation: Touch-n-Foam by Convenience Products, Great Stuff, or approved equal HCFC - free product.
- B. Accessories:
 - 1. Tape: K-FLEX Aluminum Foil Tape, Shurtape HW 300, or approved equal.
 - 2. Fasteners and adhesives of type and quantity recommended by manufacturer of product to be secured and substrate.
- C. Mineral Fiber Batt Insulation Products:
 - 1. Unfaced rock wool batts.

PART 3 EXECUTION

1. INSTALLATION

- A. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction. Coordinate with work of other sections.

- B. Install batt insulation to fit tightly in space provided to prevent sagging. Where used as fire safing, apply sealant to adjacent surfaces to prevent safing from being blow out of cavity.
- C. Install air barrier and air barrier tape where substrates are exposed.
- D. Field test application of tape or adhesives in small area before full installation to verify that these products adhere to substrate and do not degrade insulation.
- E. Restore damaged finishes and test for proper operation. Remove labels, clean all surfaces and protect work from damage.
- F. Remove debris from site and dispose of debris using care to recycle paper, plastic, metal and wood products as available by local services.

END OF SECTION

SECTION 07260

AIR SEALING

PART 1 GENERAL

1. SUMMARY

- A. Provide air seal of wall and roof penetrations including piping and electrical boxes.
- B. Provide air sealing where possible when substrates are exposed.

2. SUBMITTALS

- A. Submittals shall comply with the requirements of the Construction Contract Clauses, Division 1 Section "Submittals", and the individual sections specifying the work. Submittals required for any substitutions of specified materials.

3. QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Protect materials from weather, water or damage from other activities.

PART 2 PRODUCTS

1. MATERIALS

- A. Tape: 3M™ Grid Air Sealing Tape 8068, SIGA Wigluv, or approved equal.
- B. Fasteners and adhesives: as compatible with products. See div 07900 for sealants.
- C. Spray Foam Sealant: Touch,N Foam, Great Stuff™ Big Gap Filler Insulating Foam, or approved equal.
- D. Polyethylene foam gaskets for outlets and switches.
- E. Sealing gaskets at penetrations equal to Roflex and KaFlex products available through 475.supply.

PART 3 EXECUTION

1. INSTALLATION

- A. Install materials and systems in accordance with manufacturer's instructions and approved submittals.
- B. Install gaskets at electrical box covers where box is in exterior wall.
- C. Field test application of tape or adhesives in small area before full installation to verify that these products adhere to substrate.
- D. Seal around penetrations in exterior walls.
- E. Remove debris from site and dispose using care to recycle products as available by local services.

END OF SECTION

SECTION 07310

ROOFING MATERIALS

1. SUMMARY

- A. Provide shingles and accessories for roofing at stairs and condensers.
- B. Provide metal roofing at south elevation 'porch'.

2. SUBMITTALS

- A. Submit for approval samples, product data, mock-ups, warranty, extra stock.

3. QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.

PART 2 - PRODUCTS

1. MATERIALS

- A. Asphalt shingles, fiberglass base, UL Class A; Certaineed 'Landmark' (color Cobblestone Gray;) or approved equal. Architectural 3 tab shingles, heavyweight. Limited Lifetime warrantee.
- B. Roofing underlayment: Certaineed Diamond Deck or approved equal..
- C. Fasteners and accessories: Non-corrosive.
- C. Painted galvanized flashings and drip edge bent as required to prevent water penetration at wall to roof joint. 20 gage, G90, ASTM A 525. Painted similar color to roofing.
- D. Freedom Gray zinc coated copper: ASTM B370 copper sheet, 16 oz. per square foot with coating both sides.
 - a. Standing seam panel width – 18”to 21”
 - b. Attachment: Sealed rolled seam panel with expansion clips.
 - c. Use same material for all flashings and trims.

PART 3 - EXECUTION

1. INSTALLATION

- A. Entry Porch: Remove existing roofing and drip edge. Inspect sheathing and replace any rotted material with new to match existing thickness. Fasten any loose boards with galvanized screws. Install new metal roofing and drip with flashing under siding above.

- B. Stairs and condenser roofs: Install new flashing, drip edge, underlayment and shingles in accordance with manufacturer's instructions. Install materials and systems in proper relation with adjacent construction and with uniform appearance.
- D. Install roofing underlayment on entire roof surface.
- E. Dispose of all debris and clean site of dropped materials.
- F. Restore damaged components. Clean and protect work from damage.

END OF SECTION

SECTION 07900

JOINT SEALERS

PART 1 GENERAL

1. SUMMARY

- A. Provide sealants at intersection of building components.

2. SUBMITTALS

- A. Submit color samples and product data for approval.

3. QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.

PART 2 PRODUCTS

1. MATERIALS

- A. Joints designed for expansion and movement conditions at site:
 - 1. Interior Joints: Mildew resistant Acrylic latex; Tremco, Dow, or equal.
 - 2. Pre-compressed Expanding Sealant Tape; Emseal, 3M, or approved equal.
 - 3. Pavement Joint Filler: Resilient, pre-molded asphalt impregnated fiberboard.
 - 4. Primers, Bond Breakers and Backer Rods; compatible with sealant and adjacent surfaces.
 - 5. Fire rated joints: products by Hilti or equal. Firestop blocks, gun applied sealant and silicone joint spray. All Fire rated joint sealers to be red color for ease of identification by AHJ.

PART 3 EXECUTION

1. INSTALLATION

- A. Examine substrate; report unsatisfactory conditions in writing. Beginning work means acceptance of substrates.
- B. Provide sealants in colors as selected by Architect from manufacturer's standards. Field test each product and obtain Contracting Officers approval of colors before proceeding with installation of sealants.
- C. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction and with uniform appearance. Coordinate with work of other sections. Clean and prime joints, and install bond breakers, backer rods and sealant as recommended by manufacturers.
- D. Depth shall equal width up to 1/2" wide; depth shall equal 1/2 width for joints over 1/2" wide.
- E. Fire rated sealants to be applied per manufacturer's directions to achieve fire rating specified for each area as identified on the architectural plans. Install rock wool fire safeing in large gaps such

as flutes in roof deck over walls prior to installing sealant over sheathing. Tool sealants smooth to provide a surface not prone to collecting dirt and dust.

- F. Seal all joints, gaps and cracks in exterior wall construction with appropriate material. Eliminate air transfer from interior to exterior between materials. Apply sealant during erection to conceal joints.
- G. Cure and protect sealants as directed by manufacturers. Replace or restore damaged sealants. Clean adjacent surfaces to remove excess sealant or primer.
- H. Restore damaged finishes and test for proper operation. Remove labels, clean all surfaces and protect work from damage.
- J. Remove debris from site and dispose of debris using care to recycle paper, plastic, metal and wood products as available by local services.

END OF SECTION

SECTION 08015
WINDOW REPAIR

PART 1 GENERAL**1.1 SECTION INCLUDES**

- A. At eight triple hung windows, and 4 double hung at first and second floor, remove sash per State of Vermont Lead Based Paint (LBP) protocol.
- B. Repair counterweights and ropes.
- C. Replace existing glass as required to repair damage.
- D. Repair joints and consolidate wood assemblies including sash and frame.
- E. Install weather stripping at operable sash.
- F. Replace missing hardware.
- G. Paint.

1.2 SUBMITTALS

- A. Submit for approval samples, shop drawings, product data and paint removal process.

1.3 QUALITY ASSURANCE

- A. Mock-Up: Completely restore and repair one window as prototype. After approval, prototype window will be used as a standard for all project window repair work. Complete all specified work, leaving mock-up window ready for field painting. Repair on mock-up window to include the following:
 - 1. Strip window of all coatings, caulking, and glazing putty as necessary for repair of damaged wood and as necessary for new coating system. It may be required to remove glazing to perform restoration work. If so, salvage and catalogue for reinstallation in original location and orientation.
 - 2. Remove, clean, and rehabilitate existing latching hardware.
 - 3. Clean all wood components as required by patching and paint coating system.
 - 4. Perform patch repairs.
 - 5. Perform glazing putty installation.
 - 6. Prime and paint window.
 - 7. Install rehabilitated hardware, new hardware, and/or new glazing as necessary.
- B. Store and handle materials and components in strict compliance with manufacturer's written instructions and recommendations. Protect from damage due to weather, excessive temperature, and construction operations.

1.4 PROJECT CONDITIONS

- A. Field verify dimensions for any required replacement parts or repairs.
- B. Weather Limitations: Proceed with repair of wood windows only when existing and forecasted weather conditions are within the environmental limits set by each manufacturer's written instructions.
 - 1. Provide temporary infill panels at openings where sash has been removed for repair work. Infill panels to be weather tight and secure. Do not nail infill to window frame.

1.5 WARRANTY

- A. Manufacturer's standard limited warranty unless indicated otherwise.

PART 2 PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Assume a Lead Based Paint (LBP) protocol as required.
- B. Repair and restoration procedures are to achieve the following operational standards:
 - 1. All wood components, including trim and casings.
 - 2. All glass, unbroken.
 - 3. Locking hardware and opening limiter.
 - 4. Counterweights.
 - 5. Each window is to be lockable.
 - 6. Each window is to open and close smoothly, with a maximum of 10 lbs. of force.
 - 7. Repair and restoration procedures are to achieve the following appearance standards:
 - a. Finished wood surfaces (after final painting) are to have a uniform surface appearance as viewed from 5 feet away, as determined by Architect.
 - b. Glass is to be clean and free of paint.
 - c. Hardware is to be polished to low luster.

2.2 REPLACEMENT MATERIALS

- A. Wood: Wood for Interior or Exterior Components: Match existing or approved equal.
- B. Glass: Uncoated clear single strength float glass.
 - 1. Glazing compound: Sarco Dual Glaze elastic glazing compound by Abatron or equal.
 - 2. Glazing stops: To match existing original.
 - 3. Glazing points: Triangle stainless steel glazier points.
- C. Hardware: Missing or irreparable hardware shall be replaced with new hardware matching existing style and finish.
- D. Sash Counterweight Rope: replace with sash chain equal to Wm A Kilian product. Provide Bronze chain of largest size to fit existing pulleys.
- E. Sash Counterweights: Existing cast iron weights or similar weight replacement for any missing items.
- F. Sash Pulleys: Replace original with like as required.

2.3 FINISHING MATERIALS

- A. Water Resistant Glue: PVA, ANSI/HPVA Type 1 water resistant.
- B. Wood Filler: Abatron; WoodEpox. Two part, shrink free, adhesive wood filler compound or approved Substitution. Do not use polyester based products,
- C. Wood Repair: Abatron; LiquidWood. Two part, penetrating wood impregnator or equal.
- D. Wood Preservative: All new and exposed bare wood elements to be treated with preservative. Jasco Clear Wood Preservative by Jasco or equal.
- E. Dutchman (infill) and trim repairs: All new elements to match original elements in wood

species, quality, cut, grain direction, size, shape, surface finish, joinery, and profile. All new wood elements are to be treated with preservative.

- F. Fasteners: Type 316 Stainless-steel
- G. Weatherstripping: Metal spring type weatherstripping at jambs and sill. New interlocking weatherstripping at meeting rail, completely concealed when sash is closed
- H. The final two coats of finish paint to be field painted under 09900.
- I. Sealant: Joint fillers and other related materials at window frame perimeters that are compatible with one another and with substrates and finishes.
- J. Remove paint from all wood surfaces requiring repair and as required to ensure proper closing and function of the window assemblies.
- K. **ALTERNATE #4:** Slim Line Insulating Pane (SLIP), www.windowslip.com, for exterior face of all sashes to upgrade glazing for efficiency.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until the substrates have been properly constructed and prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect in writing of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
- C. Protection:
 - 1. Erect temporary protective covers over walkways and at points of pedestrian entrance and exit that must remain in service during course of exterior restoration work.

3.3 INSTALLATION

- A. Repair components as follows:
 - 1. Remove paint from wood surfaces requiring repair and as required to ensure proper closing and function of the window assemblies.
 - 2. Sash: Lower sash to be operable. Middle and upper sash to be fixed.
 - 3. Frame Components (jamb, sill, weight pocket, sash stops, etc): To be restored in place or reproduced as needed through reinforcing and component replacement.
 - 4. For Deteriorated Wood: At frames, sash, sill or trim cut out areas of deteriorated wood back to solid, sound material. If more than 30 percent of a member is determined to be deteriorated, replace entire member with new material.
 - 5. Sash Cords and Pulleys: Replace all cords with sash chain. Replace pulleys as required by window condition.
 - a. Weights: Replace as required for windows to function properly. Reinstall salvaged sash weights at original locations unless missing. Adjust as necessary for proper weighting and operation of all window sash.
 - 6. Sand Surfaces and profiles smooth.

- a. Kerf operable sash and apply bronze perimeter weatherstripping.
7. Prep, back prime and prime sash for finish paint.
8. Glazing: Install into cleaned and primed wood surfaces.
9. Mask sash and finish paint. Assume opaque paint for interior and exterior surfaces.
10. Reinstall sash into original, cataloged, openings.
11. Clean, and polish existing sash hardware. Install new matching hardware where needed.
12. **ALTERNATE # 4 Secondary Glazing Pane Installation:**
 - a. Install Slim Line Insulating Pane (SLIP) on the exterior face of all sashes to upgrade glazing for efficiency. Adjust window balances for weight addition. Mock-up of procedure/materials and final finished will be required. Prefinish frame and fasteners to match the finish of window sash.
13. Repair of Open Joints: Clean out joints. Fill joint with adhesive, allow to cure. Sand smooth to match level and/or profile of adjacent surface.
14. Dutchman Repair:
 - a. Remove paint/stain from area of Dutchman repair.
 - b. Use a saw to remove the decayed area and cut back to sound wood. Use an angle cut to shed water.
 - c. Cut wood infill patch to fill void. The seam between the wood and the repair should be 1/32 (0.8 mm), or less.
 - d. Apply adhesive in accordance with manufacturer's instructions.
 - e. Apply adhesive to infill patch and surfaces of voids and insert patch. All joints shall be tight with only hairline glue lines. The infill patch shall extend above surface of repaired member.
 - f. After adhesive has cured, sand the entire area smooth to match profile and texture of adjoining surfaces. Transitions and irregularities between wood and epoxy should not be visible after sanding. Prepare surface, prime and paint.
15. Large Voids:
 - a. Repair of Decayed Wood and Filling of Cracks:
 - 1) Remove all paint and other coatings from area to be repaired.
 - 2) Treat decayed fibers with fungicide.
 - 3) Treat bare and sanded wood thoroughly with wood consolidant per manufacturer's directions.
 - 4) Fill the repair area completely with wood filler, making the surface even and smooth. Transitions and irregularities between wood and epoxy shall not be visible after sanding.

3.4 CLEANING AND PROTECTION

- A. Clean both sides of all glazing at completion of project.
- B. Remove and legally dispose of all materials, tools, equipment, and debris generated from work of this section.
- C. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION

SECTION 09255
INTERIOR PANEL PRODUCTS

PART 1 GENERAL

1. SUMMARY

- A. Provide interior finish panels for wall and ceiling finish where scheduled.

2. SUBMITTALS

- A. Submit for approval product data.

3. QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Tolerances: Not more than 1/16" difference in true plane at joints between adjacent boards before finishing. Not more than 1/8" in 10' deviation from true plane, plumb, level and proper relation to adjacent surfaces in finished work.
- C. Protect materials from weather, water or damage from other activities.

PART 2 PRODUCTS

1. MATERIALS

- A. Panel Boards: Interior use: water resistant, fire resistant; Paper faced 5/8" gypsum wall board: Georgia Pacific, USG, or approved equal.
- B. Fasteners: ASTM C 514 and ASTM C 646. Provide Type S bugle head screws, cadmium plated. Provide additional anchors and fasteners as required.
- C. Joint Reinforcement: ASTM C 587 fiberglass tape and vinyl compound.
- D. Accessories: Use only Plastic corner beads, casing beads, control joints; Trim-Tex products or approved equal.

PART 3 EXECUTION

1. INSTALLATION

- A. Install all ceiling panels with all edges backed up with framing to minimize sag.
- B. Comply with ASTM C 840 and GA 216 - Recommended Specifications for the Application and Finishing of Gypsum Board. Inspect substrate and insulation before installation. Include blocking for surface mounted items. Type 5 finish.
- C. Clean site and dispose of debris using care to recycle paper, plastic, metal, and wood products as available by local services.

END OF SECTION

SECTION 09510
ACOUSTICAL CEILINGS

PART 1 GENERAL

1. SUMMARY

- A. Provide acoustical ceilings, trim and metal suspension system where scheduled on plans.

2. SUBMITTALS

- A. Submit for approval samples, product data, extra stock.

3. QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Provide manufacturer's standard warranty against defects in materials and workmanship.

PART 2 PRODUCTS

1. MATERIALS

- A. Acoustical panels with 50% minimum recycled content, exposed suspension: washable mold resistant, molded, medium fissured mineral tile equal to: CertainTeed Symphony m 1220-75-1 24 x 48 x 3/4", no reveal, or approved equal.
 - 1. Panel size: 24" by 48".
 - 2. Panel edge: Square edge; panel flush with grid.
 - 3. NRC; 0.75 minimum
- B. Exposed grid system: Hot Dipped Galvanized 15/16" T grid, G30, painted steel, white color.

PART 3 EXECUTION

1. INSTALLATION

- A. Install materials and suspension systems in accordance with manufacturer's instructions and recommendations, and ASTM C636. Coordinate installation with location of mechanical and electrical work to ensure proper locations.
- B. Level ceiling to within 1/8" in 10' in both directions. Scribe and cut panels to fit accurately. Coordinate layout with reflected ceiling plans and to avoid less than half panel units.
- C. Adjust, clean, and touch-up all system components.
- C. Provide wrapped and labeled maintenance stock of one package of new ceiling panels.
- E. Restore damaged finishes and test for proper operation. Remove labels, clean all surfaces and protect work from damage.
- F. Remove debris from site and dispose of debris using care to recycle paper, plastic, metal and wood products as available by local services.

END OF SECTION

SECTION 09650

RESILIENT FLOORING

PART 1 GENERAL

1. SUMMARY

- A. Provide resilient base.

2. SUBMITTALS

- A. Submit for approval samples, product data, 5% extra stock. Color samples for color choice by architect.

3. QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.

PART 2 PRODUCTS

1. MATERIALS

- A. Sheet Flooring: Altro Stronghold 30, or equal. Slip resistant, cushioned, welded seam flooring. Color from manufacturer's standard line.
- B. Adhesive: Manufacturer's recommended waterproof adhesive.

PART 3 EXECUTION

1. INSTALLATION

- A. Comply with manufacturer's instructions and recommendations. Install in proper relation to adjacent work.
- B. Flooring to run up wall and cabinet kicks 6" to form continuous coved base. Flooring to be sealed to floor sinks.
- C. Prepare surfaces by cleaning, leveling and priming as required. Test adhesive for bond before general installation. Level to 1/8" in 10' tolerance.
- D. Install base and accessories to minimize joints.
- E. Clean, polish, and protect.
- F. Remove debris from site and dispose of debris using care to recycle paper, plastic and wood products as available by local services.

END OF SECTION

SECTION 09680

CARPET

PART 1 - GENERAL

1. SUMMARY

- A. Provide carpeting and glued-down installation.

2. SUBMITTALS

- A. Submit for approval samples, product data, manufacturers 10 year limited warranty, maintenance data, extra stock, proposed seaming layout.

3. QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Provide carpet materials meeting applicable fire regulations.

PART 2 - PRODUCTS

1. MATERIALS

- A. Sanctuary: Provide broadloom carpet as selected by architect.
 - 1. Solution Dyed
 - 2. 30 oz min.
 - 3. Stain resistant yarn.
- B. Fellowship Hall and offices:
 - 1. Solution Dyed
 - 2. 28 oz minimum
 - 3. Stain Resistant yarn
- C. Mounting:
 - 1. Loose laid over pad with tack strips.
- D. Accessories:
 - 1. Edge guards and reducer strips: wood or rubber.

PART 3 - EXECUTION

1. INSTALLATION

- A. Comply with recommendations of Carpet and Rug Institute "Specifier's Handbook".
- B. Prepare surfaces and install materials in accordance with manufacturer's instructions. Clean, patch, and level substrate. Install materials in proper relation with adjacent construction and with uniform appearance. Coordinate with work of other sections.
- C. Install edge guards and reducer strips as required; clean and protect.

END OF SECTION

SECTION 09900

PAINTING

PART 1 - GENERAL

1.01 SUMMARY

- A. Provide surface preparation and painting or staining of all unfinished interior and exterior surfaces, excluding electrical and mechanical equipment with shop primed surfaces.

1.02 SUBMITTALS

- A. Submit for approval samples, physical color chips, product data, extra stock.

1.03 QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.

PART 2 - PRODUCTS

2.01 MATERIALS

- A. First-line standard products for all systems by Benjamin-Moore, Pratt and Lambert, Sherwin Williams or approved equal. Match color chips selected.
- B. Exterior paint systems:
 - 1. Concrete, stucco and masonry: Primer, 1 coat; acrylic latex (flat finish), 2 coats.
 - 2. Wood for opaque finish: Latex coating system with manufacturer's recommended primer, 2 coats finish.
 - 3. Ferrous metal (high performance): Epoxy primer, 1 coat; epoxy, 1 coat; catalyzed urethane (gloss finish), 1 coat.
 - 4. Galvanized metal touch-up paint equal to ZRC, zinc rich coating, spray applied.
 - 5. Galvanized metal (high performance): Epoxy primer, 1 coat; catalyzed urethane (gloss finish), 1 coat.
 - 6. Galvanized metal previously coated: Acrylic elastomeric coating system equal to Truco 8100 primer, 1 coat; 8101 Eternaseal, one coat.
- C. Interior paint systems:
 - 1. Drywall and plaster: Latex primer, 1 coat; interior latex (eggshell finish), 2 coats.
 - 2. Drywall and plaster (damp location): Latex primer, 1 coat; water-based epoxy (semi-gloss finish), 2 coats.
 - 3. Wood for opaque finish: Alkyd enamel undercoater, 1 coat; alkyd enamel (semi-gloss finish), 2 coats.
 - 4. Wood for transparent finish: Oil stain, 1 coat; sanding sealer, 1 coat; alkyd varnish (semi-gloss finish), 2 coats.
 - 5. Ferrous metal: Alkyd metal primer, 1 coat; alkyd enamel (semi-gloss

PART 3 - EXECUTION

3.01 INSTALLATION

- A. Inspect surfaces, report unsatisfactory conditions in writing; beginning work means acceptance of substrate.
- B. Comply with manufacturer's instructions and recommendations for preparation, priming and coating work. Coordinate with work of other sections.
- C. At existing areas to be repainted, remove blistered or peeling paint to sound substrates. Remove chalk deposits and mildew and wash all surfaces with mild detergent. Perform related minor preparation including caulk and glazing compounds. Spot prime bare areas before priming and painting as specified.
- D. Match approved mock-ups for color, texture, and pattern. Re-coat or remove and replace work which does not match or shows loss of adhesion. Clean up, touch up and protect work.

END OF SECTION

SECTION 10220

DECORATIVE ALUMINUM SHUTTERS

PART 1 GENERAL

1. SECTION INCLUDES

- A. Fixed blade extruded aluminum shutter assemblies at double and triple hung windows.
- B. Match existing shutter size and style with center bar and wider bottom rail.

2. SUBMITTALS

- A. Submit for approval samples, shop drawings, product data and warrantee information.

3. QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.

3. WARRANTY

- A. Provide manufacturer's standard warranty for assembly and finish.

PART 2 PRODUCTS

1. MATERIALS

- A. Shutters by Timberlane Inc.; Larson Shutter Company or approved equal. Powder coated aluminum, color: Black.
- B. Fabrication:
 - 1. Assemble units in factory. Maintain equal blade spacing for uniform appearance.
 - 2. Fabricate frames to fit sizes indicated. *Contractor to field verify.*
 - 3. Include supports, anchorages, and accessories required for complete assembly.
 - 4. Fasteners: 300 series stainless steel.

PART 3 EXECUTION

1. INSTALLATION

- A. Install in accordance with manufacturer's instructions.
 - 1. Locate and place units level, plumb, and aligned with adjacent work.
 - 2. Use concealed anchorages where possible.
 - 3. Repair damaged finishes so no evidence remains of corrective work.

2. ADJUSTING, CLEANING AND PROTECTION

- A. Protect products from damage until completion of project. Use temporary protective coverings where needed and approved by manufacturer. Remove protective covering at the time of Substantial Completion.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION

SECTION 10522

FIRE EXTINGUISHERS AND CABINETS

PART 1 GENERAL

1. SUMMARY

- A. Provide portable fire extinguishers and mounting brackets where indicated on plans.

2. SUBMITTALS

- A. Submit for Approval: Product cut sheets; and fire extinguisher schedule.

3. QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers, which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Protect materials from weather, water or damage from other activities.

PART 2 PRODUCTS

1. MATERIALS

- A. Fire extinguishers: 20 pound dry chemical Type ABC extinguishers unless restrictions due to chemicals or equipment located in room or building require alternative type of extinguisher.

PART 3 EXECUTION

1. INSTALLATION

- A. Install with wall-hung brackets at locations and heights indicated and acceptable to authorities having jurisdiction.
- B. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction and with uniform appearance. Coordinate with work of other sections.
- D. Restore damaged finishes and test for proper operation. Remove labels, clean all surfaces and protect work from damage.
- E. Remove debris from site and dispose of debris using care to recycle paper, plastic and wood products as available by local services.

END OF SECTION

SECTION 10800

TOILET ACCESSORIES

PART 1 GENERAL

1. SUMMARY

- A. Provide toilet accessories in new ADA bathroom. Coordinate with kitchen equipment.

2. SUBMITTALS

- A. Submit for approval product data, accessory schedule, blocking requirements.

3. QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Provide manufacturer's standard warranty for materials & workmanship.

PART 2 PRODUCTS

1. MATERIALS

- A. Stainless steel fabrication with NAAMM No. 4 bright directional polish finish; Bobrick Washroom Equipment, Bradley, or approved equal. Surface mounting.
- B. Types and quantities:
 - 1. C-fold towel dispenser; 1 per toilet room.
 - 2. Waste dispenser; 1 per toilet room, rubber free-standing 10"x13"x15"
 - 3. Toilet tissue dispenser, double roll; 1 per stall, equal to Bobrick B-2888
 - 4. Soap dispenser; 1 per basin, for liquid soap, wall-mounted.
 - 5. Grab bars; 1 pair, 36" and 42".
 - 6. Mirror unit; 18"x30", channel frame.
 - 7. Coat/crutch hooks; 2 per toilet room mount on back of door, equal to Bobrick B-212.

PART 3 EXECUTION

1. INSTALLATION

- A. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction and with uniform appearance. Coordinate with work of other sections.
- B. Blocking is required to be installed before wall finishes.
- C. Restore damaged finishes and test for proper operation. Remove labels, clean all surfaces and protect work from damage.
- D. Remove debris from site and dispose of debris using care to recycle paper, plastic, metal and wood products as available by local services.

END OF SECTION

SECTION 11450
RESIDENTIAL EQUIPMENT

PART 1 GENERAL

1. SUMMARY

- A. Provide residential appliances for kitchen per equipment schedule.

2. SUBMITTALS

- A. Submit for approval shop drawings, product data and warranty.

3. QUALITY ASSURANCE

- A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's instructions.
- B. Provide 1 year replacement warranty and manufacturer's standard materials and workmanship warranty.

PART 2 PRODUCTS

1. MATERIALS

- A. Appliances: Owner to select appliances from vendor's offerings for the following.
 - 1. Refrigerator, 33" maximum width.
 - 2. Upright Freezer, 33" maximum width.
- B. Power, water, drain and vent hook-ups to be provided as shown on drawings. Provide all accessories required for complete installation.

PART 3 EXECUTION

1. INSTALLATION

- A. Install materials and systems in accordance with manufacturer's instructions and approved submittals. Install materials and systems in proper relation with adjacent construction and with uniform appearance. Coordinate with work of other sections.
- B. Restore damaged finishes, test for proper operation, and replace work that cannot be corrected at project. Remove labels, clean all surfaces and protect work from damage.
- C. Remove debris from site and dispose of debris using care to recycle paper, plastic, metal and wood products as available by local services.

END OF SECTION

SECTION 14240**VERTICAL ACCESS LIFT****PART 1 - GENERAL****1.1 SECTION INCLUDES**

- A. Full cab vertical platform wheelchair lift installed within a shaftway.

1.2 RELATED SECTIONS

- A. Division 16 - Electrical: Dedicated telephone service and wiring connections, lighting and wiring connections at top of shaft. Electrical power service and wiring connections.

1.3 SUBMITTALS

- A. Submit Product Data: Manufacturer's data sheets on each product to be used, including manufacturer's installation instructions, site preparation, storage and handling requirements.
 - 1. Include complete description of performance and operating characteristics.
 - 2. Show maximum and average power demands.
- B. Shop Drawings: Show typical details of assembly, erection and anchorage. Include wiring diagrams for power, control, and signal systems.
 - 1. Show complete layout and location of equipment, including required clearances and coordination with shaftway.
- C. Selection Samples: For each finished product specified, provide two complete sets of color chips representing manufacturer's full range of available colors and patterns.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Firm with minimum 10 years experience in manufacturing of vertical platform lifts, with evidence of experience with similar installations of type specified.
- B. Installer Qualifications: Licensed to install equipment of this scope, with evidence of experience with specified equipment. Installer shall maintain an adequate stock of replacement parts, have qualified people available to ensure fulfillment of maintenance and callback service without unreasonable loss of time in reaching project site.

1.5 REGULATORY REQUIREMENTS

- A. Provide platform lifts in compliance with:
 - 1. ASME A18.1 - Safety Standard for Platform Lifts and Stairway Chairlifts.
 - 2. NFPA 70 - National Electric Code.

1.6 DELIVERY, STORAGE, AND HANDLING

Store products in manufacturer's unopened packaging until ready for installation. Store components off the ground in a dry covered area, protected from adverse weather conditions.

1.7 PROJECT CONDITIONS

- A. Do not use wheelchair lift for hoisting materials or personnel during construction period.

1.8 WARRANTY

- A. Warranty: Manufacturer shall warrant the wheelchair lift materials and factory workmanship for two years following completion of installation.
- B. Extended Warranty: Provide 5 additional year extended manufacturer's warranty covering the wheelchair lift materials and factory workmanship beyond the initial one year warranty. Including Preventive Maintenance Agreement.

PART 2 - PRODUCTS**2.1 MANUFACTURER**

- A. Garaventa Lift; United States - P.O. Box 1769, Blaine, WA 98231-1769. 800-663-6556. Tel: (604) 594-0422. Email: productinfo@garaventalift.com. Web: www.garaventalift.com.

1.2 MATERIALS**A. FULL CAB VERTICAL WHEELCHAIR LIFT**

- B. Capacity: 1000 lbs (455 kg) – standard
- C. Floor to Floor Lifting Height: 3 Stops- 20'-0" Total travel (field verify)
- D. Nominal Car Dimensions: 42 inches (1067 mm) by 60 inches (1524 mm).
- E. Car Configuration: Style 3: 90 degree entry/exit, Rails on Right of one entrance.
- F. Landing Openings: All Landings: Fire Doors interlocked with Lift controls.
- G. Door Construction: Fire Rated Doors: 1-1/2 hour B label rating. Pre-hung, constructed of 16 gauge steel, with vision panels on first and third landings, delayed action door closer, pull handle and integrated interlock. Doors mount flush to the inside wall of the shaftway.
- H. Power Door Operator: Automatically opens the door/gate when platform arrives at a landing. Will also open at landing by pressing call button.
1. ADA Compliant and obstruction sensitive.
 2. Provide power operators at all doors.
- I. Shaftway Pit at Lower Landing: Lift to be mounted in pit with dimensions to meet manufacturer requirements for the car size specified. Pit construction into lower floor framing, to be poured concrete in crawl space.
- J. Hydraulic Drive:
1. Drive Type: Hydraulic.
 2. Emergency Operation: Manual device to lower platform.
 3. Safety Devices:
 - a. Slack chain safety device.
 - b. Shoring device.
 4. Travel Speed: 30 fpm (.15 m/second).
- K. Car Controls: 24 VDC control circuit with the following features.
1. Direction Control: Illuminated constant pressure buttons.
 2. Illuminated and audible emergency stop switch shuts off power to lift and activates audio alarm equipped with battery backup.
 3. Keyless operation.
 4. Emergency Telephone: Platform shall be equipped with ADA compliant integrated telephone with a stainless steel faceplate. Telephone shall operate in the event of power failure. A telephone line shall be supplied to the lift site.
 5. Digital Floor Display.
- L. Call Station Controls: 24 VDC control circuit with the following features.
1. Direction Control: Illuminated constant pressure buttons.
 2. Keyless operation.
 3. Keyed operation.
 4. Call Station Mounting: Wall mounted recessed.

M. Safety Devices and Features:

1. Grounded electrical system with upper, lower, and final limit switches.
2. At all landings a solenoid activated interlock shall electrically monitor that the door is in the closed position and the lock is engaged before lift can move from landing.
3. Pit stop switch.
4. Electrical disconnect shall shut off all power to the lift.

N. Finishes

1. Car Walls: Provide samples of Plastic Laminate for selection by Architect.
2. Car Operating Panel: Brushed Stainless Steel
3. Car Handrail: Brushed Stainless Steel
4. Hall Call Stations: Brushed Stainless Steel

PART 3 - EXECUTION**3.1 INSTALLATION**

- A. Attend pre-installation meeting with contractor, architect and related sub-contractors for coordination of work and to inspect hoist ways and machine rooms; report unsatisfactory conditions in writing. Beginning work means acceptance of conditions.
- B. Install elevator equipment, controls and systems in strict compliance with manufacturer's instructions and recommendations and approved submittals. Comply with requirements of authorities having jurisdiction. Install materials and systems in proper relation with adjacent construction and with uniform appearance. Coordinate with work of other sections.

3.2 ADJUSTING

- A. Adjust elevators for proper operation in accordance with manufacturer/installer's instructions.
- B. Adjust elevators for smooth acceleration and deceleration of car so not to cause passenger discomfort.
- C. Adjust doors to prevent opening of doors at landing on corridor side, unless car is at rest at that landing, or is in leveling zone and stopping at that landing.
- D. Adjust automatic floor leveling feature to within 1/4 inch of each landing.
- E. Repair minor damages to finish in accordance with manufacturer/installer's instructions and as approved by Architect.
- F. Remove and replace damaged components that cannot be successfully repaired as determined by Architect.

3.3 CLEANING AND PROTECTING

- A. Remove all protective materials from cab and dispose of debris using care to recycle paper, plastic, metal and wood products as available by local services.
- B. Make field tests to demonstrate compliance with requirements; report results. Instruct Owner's personnel in proper operation of equipment. Clean, adjust and protect.
- C. Provide continuing maintenance through period specified.

END OF SECTION