01/04/2023

RENOVATIONS TO BARNET TOWN HALL

BARNET, VERMONT









<u>OWNER</u>

TOWN OF BARNET, VERMONT 1743 US ROUTE 5 SOUTH BARNET, VT, 05821 BEN GATES (AREACODE) PHONE NUMBER benjamin_gates@yahoo.com

CIVIL ENGINEER

RUGGLES ENGINEERING SERVICES, INC. 4580 MEMORIAL DRIVE ST. JOHNSBURY, VT 05819 OFFICE: 802-748-5898 CONTACT: NATHAN P. SICARD, P.E. CELL: 802-373-9903 EMAIL: NATE.RES@MYFAIRPOINT.NET

BLACK RIVER DESIGN, ARCHITECTS 73 MAIN STREET MONTPELIER, VT 05602 PROJECT ARCHITECT - JAY ANCEL PROJECT MANAGER - ROLLIN TAIT (802)223-2044 jaya@blackriverdesign.com Rollint@blackriverdesign.com

STRUCTURAL ENGINEER

NORTHEST STRUCTURAL ENGINEERING, PLLC 4025 ROLLO ROAD SWANTON, VT. 05488 CONTACT: BRIAN DOUGLAS TEL: 802-782-0342 EMAIL: Brian@nestructural.com

CONSTRUCTION MANAGER

ESTES & GALLUP PO BOX 240, LYME, NH, 03768 CONTACT: TIM ESTES TEL: 603-795-4400 EMAIL: tim@estes-gallup.com

MECHANICAL ENGINEER

DESIGN-BUILD

ELECTRICAL ENGINEER

ST JOHNSBURY ACADEMY CONTACT: JEREMY

2 LOCATION PLAN
SCALE: 1: 24000



SCALE: 1" = 80'-0"

DRAWING INDEX

FIRST FLOOR PLAN BASEMENT PLAN **ELEVATIONS**

DEMOLITION FLOOR PLANS EXISTING PLANS AND VIEWS AH301 HISTORIC PLAN VIEWS - STAGE AREA

Checker

REVISIONS

COVER

SCALE

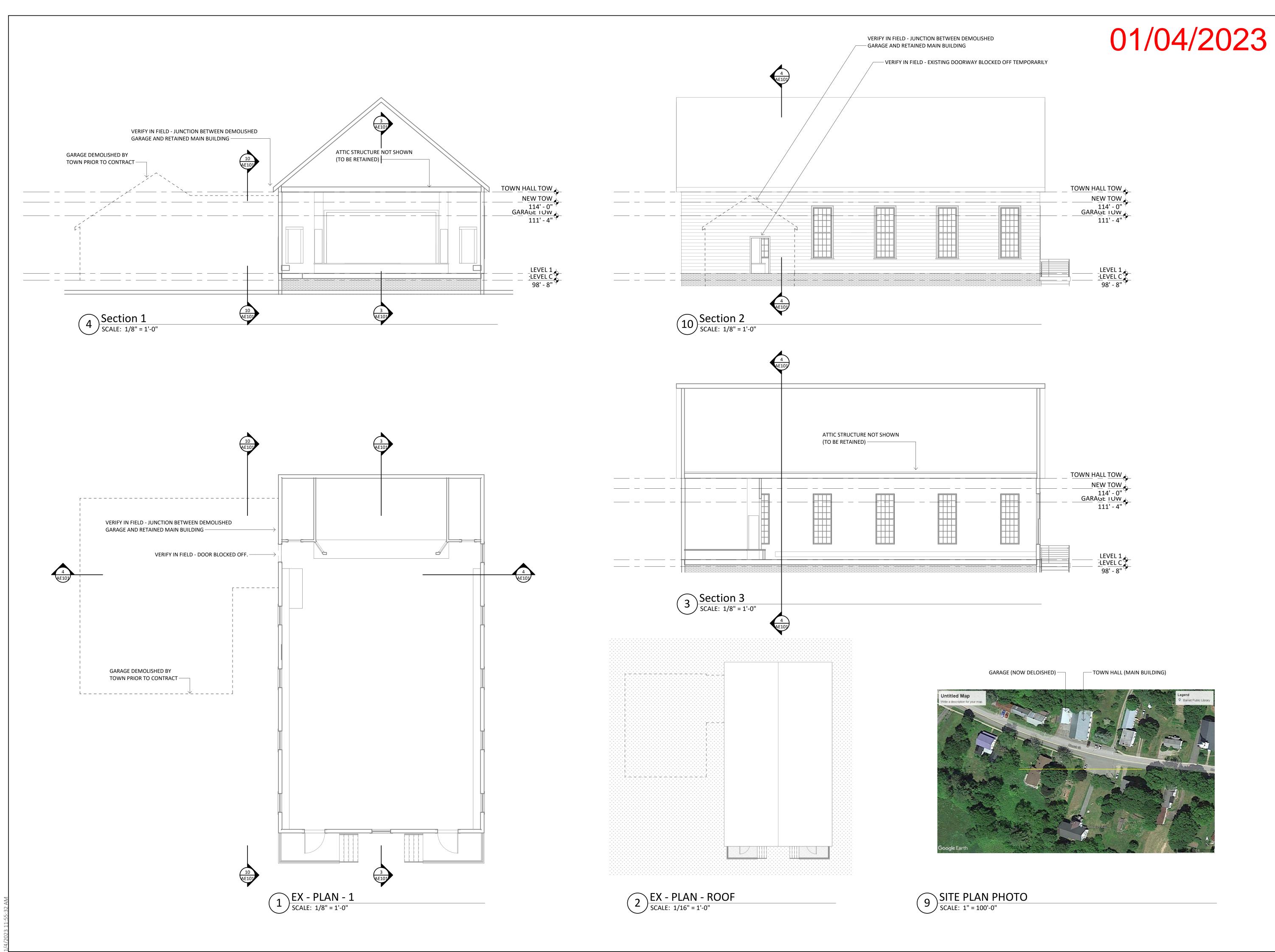
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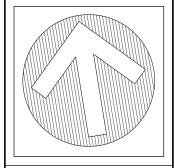
As indicated

2023-01-04 DRAFT

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BARNET TOWN HALL REN

VERMONT

BLACK RIVER DESIGN

73 MAIN STREET MONTPELIER VERMONT 05602

REVISIONS

EXISTING PLANS AND VIEWS

SCALE

As indicated

DATE

2023-01-04 DRAFT

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CHECKED BY

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AE101

OUTLINE SPECIFICATION - 1

MOVE BUIDING

- YES OR NO? - DEPENDENT ON GEOTECH REPORT

SITE WORK - REFER TO CIVIL ENGINEER

- RE-GRADE AS REQUIRED. - NEW PERIMETER DRAINS AROUND BUILDING.

- NEW SITE DRAINGE AWAY FROM BUILDING. - NEW PARKING AREA AND ACCESS RAMP TO ENTRANCE PORCH. - NEW SEEDED LAWN AROUND BUILDING.

MAIN HALL

- MOVE BUILDING --- ? (SEE ABOVE)

- NEW BASEMENT

- NEW FULL-DEPTH CONC WALLS WITH EXTERNAL XPS INSULATION (2") - NEW CONC SLAB FLOOR WITH XPS INSULATION UNDER (2") - NEW STAIRS (WOOD)

- RETAIN EXISTING ROOF COVERING - NEW ALU 5" SQUARE-SECTION GUTTER AND DOWNPIPE ON WEST SIDE.

- EXTERIOR WALLS (EXTERNALLY)

- RETAIN EXTERIOR WALL COVERINGS (SIDING, TRIM, ETC) - REPAIR AS REQUIRED. - PREP AND PAINT EXISTING WALL COVERINGS (SIDING, TRIM, ETC.).

- EXTERIOR WALLS (INTERNALLY - WHERE HISTORIC FABRIC NOT SHOWN) - INSTALL NEW ROCKWOOL INSULATION (6") BETWEEN STUDS. - INSTALL NEW CONTINUOUS FOIL-FACED RIGID POLY-ISO FOAM (2") INSULATION & TAPE AS AIR-BARRIER.

- INSTALL NEW GYPSUM WALL BOARD. - INSTALL NEW PAINTED WOOD WINDOW BOARDS, BASE, ETC.

- EXTERIOR WALLS (INTERNALLY - WHERE HISTORIC FABRIC TO BE SHOWN) - INSTALL RE-USED HISTORIC ELEMENTS TO WALLS

(IN THE MEETING ROOM, HALLWAY AND ENTRANCE LOBBY) - PRESSED METAL COVING

- WOOD WAINSCOTTING AT LOW LEVEL - PRESSED METAL WALL PANELS AND TRIM AT MID AND UPPER LEVELS

- EXTERIOR WINDOWS AND DOORS (ALL TO NEW MATCH EXISTING)

- RETAIN EXISTING WINDOWS. - INSTALL NEW EXTERIOR STORM WINDOWS.

- INSTALL NEW WOOD ENTRANCE DOORS AND FRAMES WHERE SHOWN.

- EXTERNAL STAIRS / LANDINGS AT MEETING ROOM SOUTH DOORS - ALL NEW

- FOUNDATIONS - (6) SONOTUBE FOUNDATIONS - DECK - 2X6 PT FRAME WITH PT DECKING

- STEPS - 2X12 PT STEPS, STRINGERS, WITH ALUIMNUM GRID NON-LIP TREADS - RAILINGS - 4X4 PT POSTS, 2X4 PT RAILINGS, 2X2 PT BALLUSTERS

- NE ENTRNACE PORCH FLOOR

- 4" CONCRETE SLAB ON GRADE (ASSUME 12' X 8' AREA).

- FASTENERS - SS OR ANODIZED DECK SCREWS

- 6' WIDE 16' LONG ADA RAMP FROM PARKING AREA.

- NEW ENTRANCE PORCH ROOF - STRUCTURE

- FOUNDATIONS - 8" CONCRETE SONOTUBES, GALV. STEEL POST BRACKETS - FRAME - 4X4 PT POSTS WITH 2X8 RAFTERS, ETC.

- CEILING - 1/2" PLY CEILING, PAINTED

- COVERINGS

LEVEL 1 101

102

110

112

LEVEL 1

Grand total

- 5" ALU GUTTERS AND DOWN PIPES

OUTLINE SPECIFICATION - 2

INTERNAL ELEMENTS

- VAULT (PRELIMINARY SPEC PENDING CONSULTANT VIEW)

- WALLS - 12" CMU / GROUTED MASONRY WALLS - FIRE RATED - FLOORS

- BASEMENT - 4" CONCRETE SLAB ON GRADE

- MAIN FLOOR - 9" STEEL DECK/CONCRETE (AS PER STRUCTURAL ENGINEER) - ROOF - STEEL DECK/CONC AS PER FLOOR ABOVE.

- CEILING - SUSPENDED GRID / ACT TILES - SERVICES (ELEC, HVAC, VENT) - BY SPECIALIST CONSULTANT - DOOR - FIRE-RATED DOOR TO MEET REGS.

- INTERNAL PARTITIONS:

- NEW 6" CFMS METAL STUD FRAMING.

- NEW 6" ROCKWOOL SOUND INSULATION BETWEEN STUDS. - NEW 5/8" TYPE-X GYSOM WALL BOARD, PAINTED.

- NEW WOOD PAINTED BASE (1X6 PINE).

- INTERNAL DOORS AND WINDOWS - NEW 5-PANEL SOLID WOOD DOORS ON METAL FRAMES.

- NEW ALU-FRAMED INTERNAL WINDOWS AT PUBLIC-FACING COUNTERS.

- CEILINGS

- RE-FASTEN EXISTING PRESSED METAL CEILING THROUGHOUT.

- INSTALL NEW DROP CEILINGS IN ALL AREAS EXCEPT ENTRANCE LOBBY, HALL TO MEETING ROOM AND MEETING ROOM. (HISTORIC CEILINGS WILL BE EXPOSED IN THESE AREAS)

- FLOORS

- EXISTING WOOD FLOORS TO BE RETAINED THROUGHOUT. - LEVEL, SAND AND RE-FINISH THE EXISTING HARDWOOD FLOORING IN THE

ENTRY LOBBY, HALL TO MEETING ROOM, AND THE MEETING ROOM. - INSTALL 1/4" PLYWOOD SUBFLOOR OVER THE EXISTING WOOD FLOOR IN ALL OTHER AREAS.

- BATHROOMS

VANITY

- FLOOR SINK

- KITCHEN

- 1/5" OSB OR PLY SHEATHING - UNDERLAY AND ASPHALT SHINGLES - ACCESSORIES

ROOM SCHEDULE - LEVEL 1

14 SF

74 SF

47 SF

188 SF

51 SF

233 SF

117 SF

354 SF 2,479 SF

2,479 SF

MEETING HALL 706 SF

JANITOR

STORAGE

KITCHEN

WC2

LOBBY

CLERK

STAIRS

LISTERS -

ZONING

WORK ROOM 193 SF

HALL

WC1

Area

USER

PUBLIC

PUBLIC

SERVICE

SERVICE

SERVICE

SERVICE

SERVICE

PUBLIC

STAFF

STAFF

STAFF

STAFF

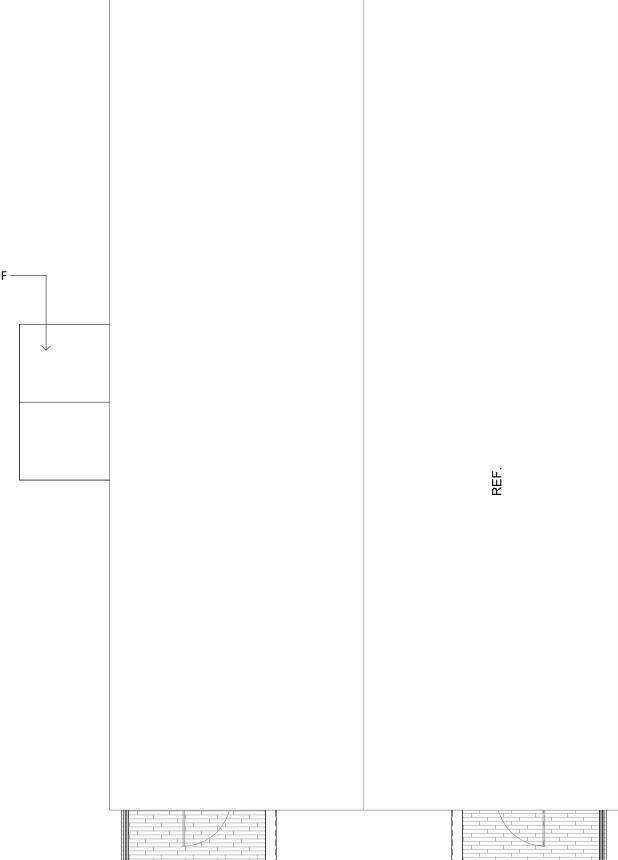
STAFF

UTIL

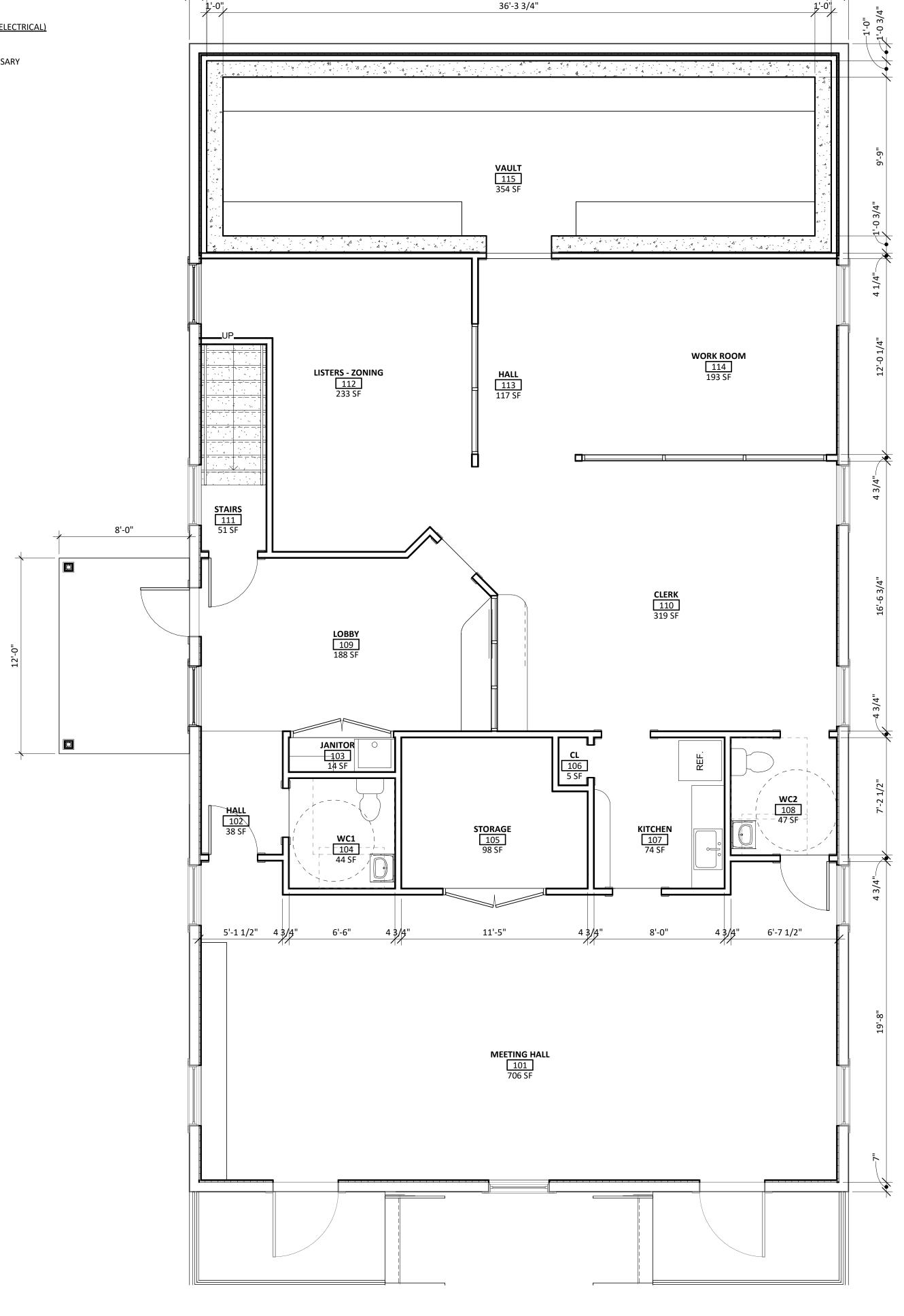
UTIL

- INSTALL UNDERLAY AND CARPET IN STAFF OFFICE AREAS. - INSTALL VINYL SHEET FLOORING IN JANITOR'S CLOSET, STORAGE ROOMS, - ? BATHROOMS AND KITCHEN. - INSTALL SHEET VINYL FLOORING IN THE VAULT. - BUILT-IN CABINETRY - JANITORS - SHELVES - BASE AND UPPER UNITS - PUBLIC COUNTER: - PLASTIC LAMINATE COUNTERS - WOOD-FRAMED SLIDER WINDOWS NEW ENTRANCE PORCH ROOF ——

OUTLINE SPECIFICATION - 3 SERVICES - REFER TO CONSULTANTS (VISIL, STRUCTURAL, MECHANICAL, ELECTRICAL) - WATER SUPPLY - REFER TO CIVIL ENGINEER - RE-USE EXISTING SUPPLY - ENLARGE SERVICE FROM STREET AS NECESSARY - DRAINS - REFER TO CIVIL ENGINEER - STORM WATER - TO ON-SITE DRYWELLS - FOUL - TO SEPTIC FIELD TO EITHER: OPTION 1 - TO NEW SEPTIC FIELD RIGHT AND BEHIND BUILDING. OPTION 2 - TO EXISTING SEPTIC FIELD ACROSS ROAD AT LIBRARY. - ELECTRICS - ALL NEW - REFER TO ELECTRICAL ENGINEER SOCKETS - LIGHTING - HVAC - ALL NEW - REFER TO MECHANICAL ENGINEER - HEAT SOURCE - ? - RADIATORS - ? - CONTROLS - ? - PLUMBING - REFER TO MECHANICAL ENGINEER - BATHROOMS - ADA SINK - ADA TOILET - KITCHEN - KITCHEN DOUBLE SINK - JANITOR - MOP SINK - FIRE SAFETY - REFER TO CONSULTANT ENGINEER - SENSORS - ALARMS - SPRINKLER SYSTEM - NOT REQUIRED? - SECURITY - REFER TO CONSULTANT ENGINEER - COMMS - REFER TO CONSULTANT ENGINEER







FIRST FLOOR PLAN

SCALE: 1/4" = 1'-0"

40'-5" VIF

38'-3 3/4" VIF

1'-0 3/4'

01/04/2023

FIRST FLOOR PLAN SCALE

REVISIONS

ERMON

As indicated DATE 2023-01-04 DRAFT

DRAWN BY Author **CHECKED BY** Checker

- YES OR NO? - DEPENDENT ON GEOTECH REPORT

- NEW PERIMETER DRAINS AROUND BUILDING.

- NEW PARKING AREA AND ACCESS RAMP TO ENTRANCE PORCH.

- NEW FULL-DEPTH CONC WALLS WITH EXTERNAL XPS INSULATION (2")

- NEW ALU 5" SQUARE-SECTION GUTTER AND DOWNPIPE ON WEST SIDE.

- PREP AND PAINT EXISTING WALL COVERINGS (SIDING, TRIM, ETC.).

- EXTERIOR WALLS (INTERNALLY - WHERE HISTORIC FABRIC NOT SHOWN)

- EXTERIOR WALLS (INTERNALLY - WHERE HISTORIC FABRIC TO BE SHOWN)

- PRESSED METAL WALL PANELS AND TRIM AT MID AND UPPER LEVELS

- INSTALL NEW WOOD ENTRANCE DOORS AND FRAMES WHERE SHOWN.

- EXTERNAL STAIRS / LANDINGS AT MEETING ROOM SOUTH DOORS - ALL NEW

- STEPS - 2X12 PT STEPS, STRINGERS, WITH ALUIMNUM GRID NON-LIP TREADS

- FOUNDATIONS - 8" CONCRETE SONOTUBES, GALV. STEEL POST BRACKETS

- INSTALL NEW ROCKWOOL INSULATION (6") BETWEEN STUDS.

- INSTALL NEW PAINTED WOOD WINDOW BOARDS, BASE, ETC.

(IN THE MEETING ROOM, HALLWAY AND ENTRANCE LOBBY)

- EXTERIOR WINDOWS AND DOORS (ALL TO NEW MATCH EXISTING)

- RAILINGS - 4X4 PT POSTS, 2X4 PT RAILINGS, 2X2 PT BALLUSTERS

- INSTALL RE-USED HISTORIC ELEMENTS TO WALLS

- WOOD WAINSCOTTING AT LOW LEVEL

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- FRAME - 4X4 PT POSTS WITH 2X8 RAFTERS, ETC.

- CEILING - 1/2" PLY CEILING, PAINTED

- 5" ALU GUTTERS AND DOWN PIPES

- 1/5" OSB OR PLY SHEATHING - UNDERLAY AND ASPHALT SHINGLES

- RETAIN EXTERIOR WALL COVERINGS (SIDING, TRIM, ETC) - REPAIR AS REQUIRED.

- INSTALL NEW CONTINUOUS FOIL-FACED RIGID POLY-ISO FOAM (2") INSULATION

- NEW CONC SLAB FLOOR WITH XPS INSULATION UNDER (2")

- NEW SITE DRAINGE AWAY FROM BUILDING.

- NEW SEEDED LAWN AROUND BUILDING.

MOVE BUILDING --- ? (SEE ABOVE)

- RETAIN EXISTING ROOF COVERING

- EXTERIOR WALLS (EXTERNALLY)

& TAPE AS AIR-BARRIER.

- PRESSED METAL COVING

- RETAIN EXISTING WINDOWS.

- NE ENTRNACE PORCH FLOOR

- NEW ENTRANCE PORCH ROOF

- STRUCTURE

- COVERINGS

- ACCESSORIES

- INSTALL NEW GYPSUM WALL BOARD.

SITE WORK - REFER TO CIVIL ENGINEER

OUTLINE SPECIFICATION - 1

- RE-GRADE AS REQUIRED.

MOVE BUIDING

MAIN HALL

- NEW BASEMENT

- NEW STAIRS (WOOD)

ERMON

REVISIONS

BASEMENT PLAN

SCALE 1/4" = 1'-0"

DATE 2023-01-04 DRAFT

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OUTLINE SPECIFICATION - 2

INTERNAL ELEMENTS

- VAULT (PRELIMINARY SPEC PENDING CONSULTANT VIEW) - WALLS - 12" CMU / GROUTED MASONRY WALLS - FIRE RATED

- FLOORS - BASEMENT - 4" CONCRETE SLAB ON GRADE

- MAIN FLOOR - 9" STEEL DECK/CONCRETE (AS PER STRUCTURAL ENGINEER) - ROOF - STEEL DECK/CONC AS PER FLOOR ABOVE.

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- NEW WOOD PAINTED BASE (1X6 PINE).

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- NEW ALU-FRAMED INTERNAL WINDOWS AT PUBLIC-FACING COUNTERS.

- CEILINGS

- RE-FASTEN EXISTING PRESSED METAL CEILING THROUGHOUT. - INSTALL NEW DROP CEILINGS IN ALL AREAS EXCEPT ENTRANCE LOBBY, HALL TO MEETING ROOM AND MEETING ROOM.

(HISTORIC CEILINGS WILL BE EXPOSED IN THESE AREAS)

- FLOORS

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OTHER AREAS. - INSTALL UNDERLAY AND CARPET IN STAFF OFFICE AREAS. - INSTALL VINYL SHEET FLOORING IN JANITOR'S CLOSET, STORAGE ROOMS,

BATHROOMS AND KITCHEN. - INSTALL SHEET VINYL FLOORING IN THE VAULT.

- BUILT-IN CABINETRY - BATHROOMS

 VANITY - JANITORS

> - KITCHEN - BASE AND UPPER UNITS

- FLOOR SINK

- SHELVES

- PUBLIC COUNTER: - PLASTIC LAMINATE COUNTERS - WOOD-FRAMED SLIDER WINDOWS **OUTLINE SPECIFICATION - 3**

SERVICES - REFER TO CONSULTANTS (VISIL, STRUCTURAL, MECHANICAL, ELECTRICAL)

- WATER SUPPLY - REFER TO CIVIL ENGINEER - RE-USE EXISTING SUPPLY - ENLARGE SERVICE FROM STREET AS NECESSARY

- DRAINS - REFER TO CIVIL ENGINEER

- FOUL - TO SEPTIC FIELD TO EITHER: OPTION 1 - TO NEW SEPTIC FIELD RIGHT AND BEHIND BUILDING. OPTION 2 - TO EXISTING SEPTIC FIELD ACROSS ROAD AT LIBRARY.

- ELECTRICS - ALL NEW - REFER TO ELECTRICAL ENGINEER

- STORM WATER - TO ON-SITE DRYWELLS

 SOCKETS - LIGHTING

- HVAC - ALL NEW - REFER TO MECHANICAL ENGINEER

- HEAT SOURCE - ? - RADIATORS - ? - CONTROLS - ?

- PLUMBING - REFER TO MECHANICAL ENGINEER

- BATHROOMS - ADA SINK - ADA TOILET - KITCHEN

- KITCHEN DOUBLE SINK - JANITOR

- MOP SINK

- FIRE SAFETY - REFER TO CONSULTANT ENGINEER - SENSORS

- ALARMS

- SPRINKLER SYSTEM - NOT REQUIRED? - SECURITY - REFER TO CONSULTANT ENGINEER

- ?

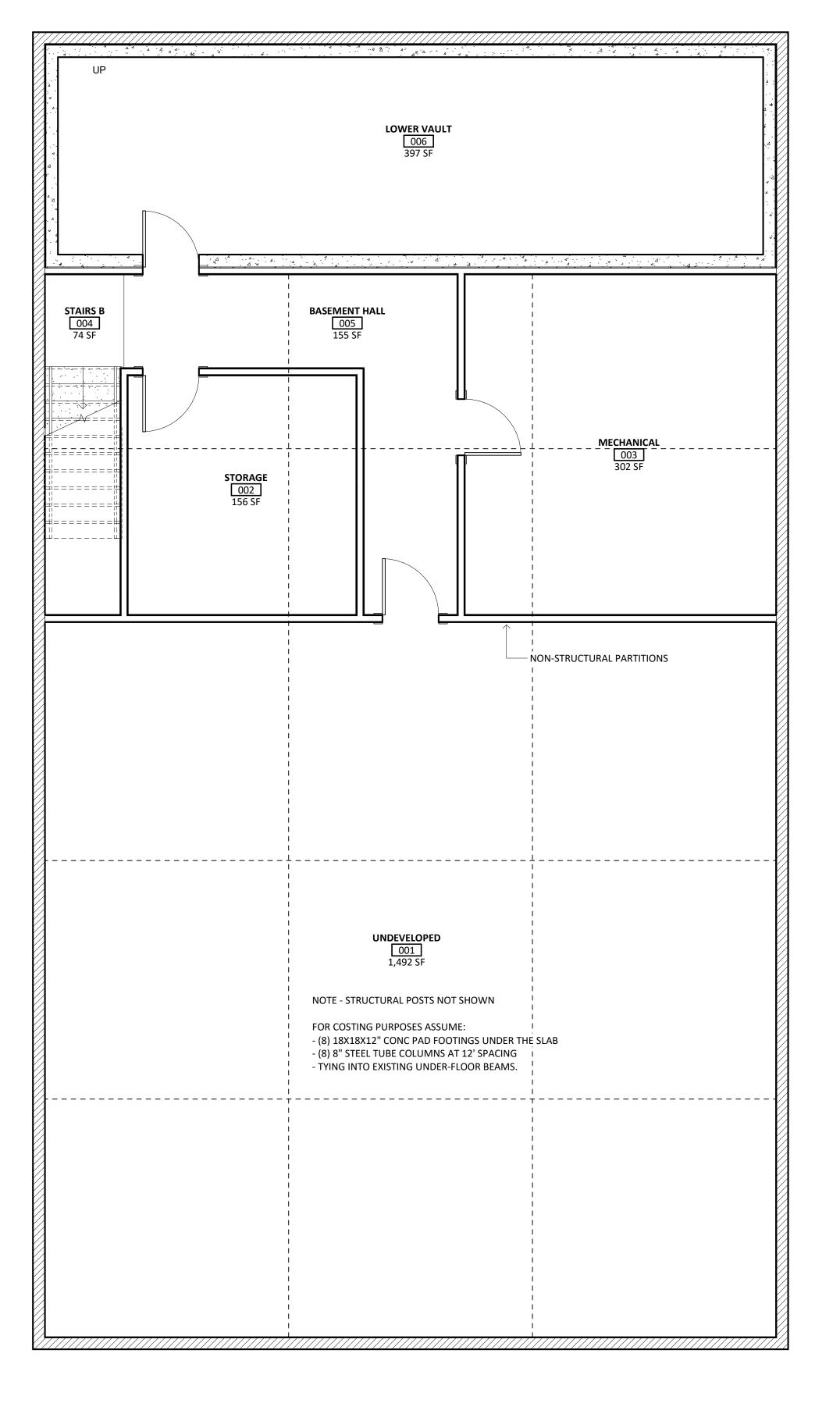
- COMMS - REFER TO CONSULTANT ENGINEER



LEVEL B			
001	UNDEVELOPED	1,492 SF	UNDEV
002	STORAGE	156 SF	STAFF
003	MECHANICAL	302 SF	UTIL
004	STAIRS B	74 SF	UTIL
005	BASEMENT HALL	155 SF	UTIL
006	LOWER VAULT	397 SF	STAFF
FVFI B		2.576 SF	

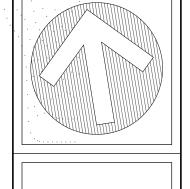
2,576 SF

Grand total



NEW TOW 114' - 0" GARAGE 1 OW 111' - 4"



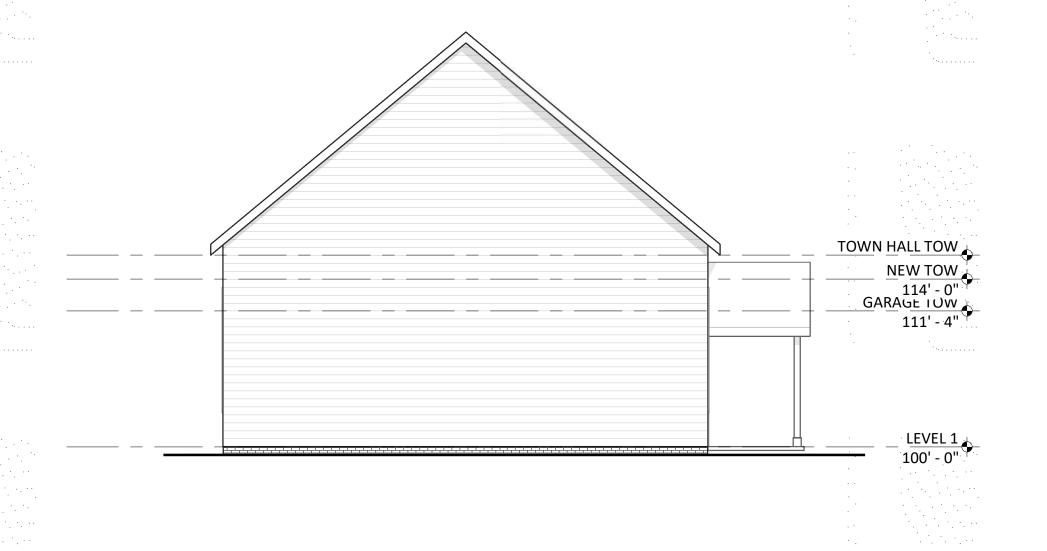


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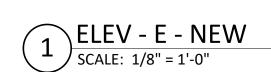
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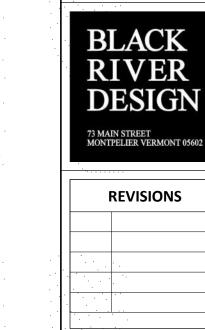


2 ELEV - N - NEW
SCALE: 1/8" = 1'-0"





3 ELEV - S - NEW SCALE: 1/8" = 1'-0"



SCALE

1/8" = 1'-0"

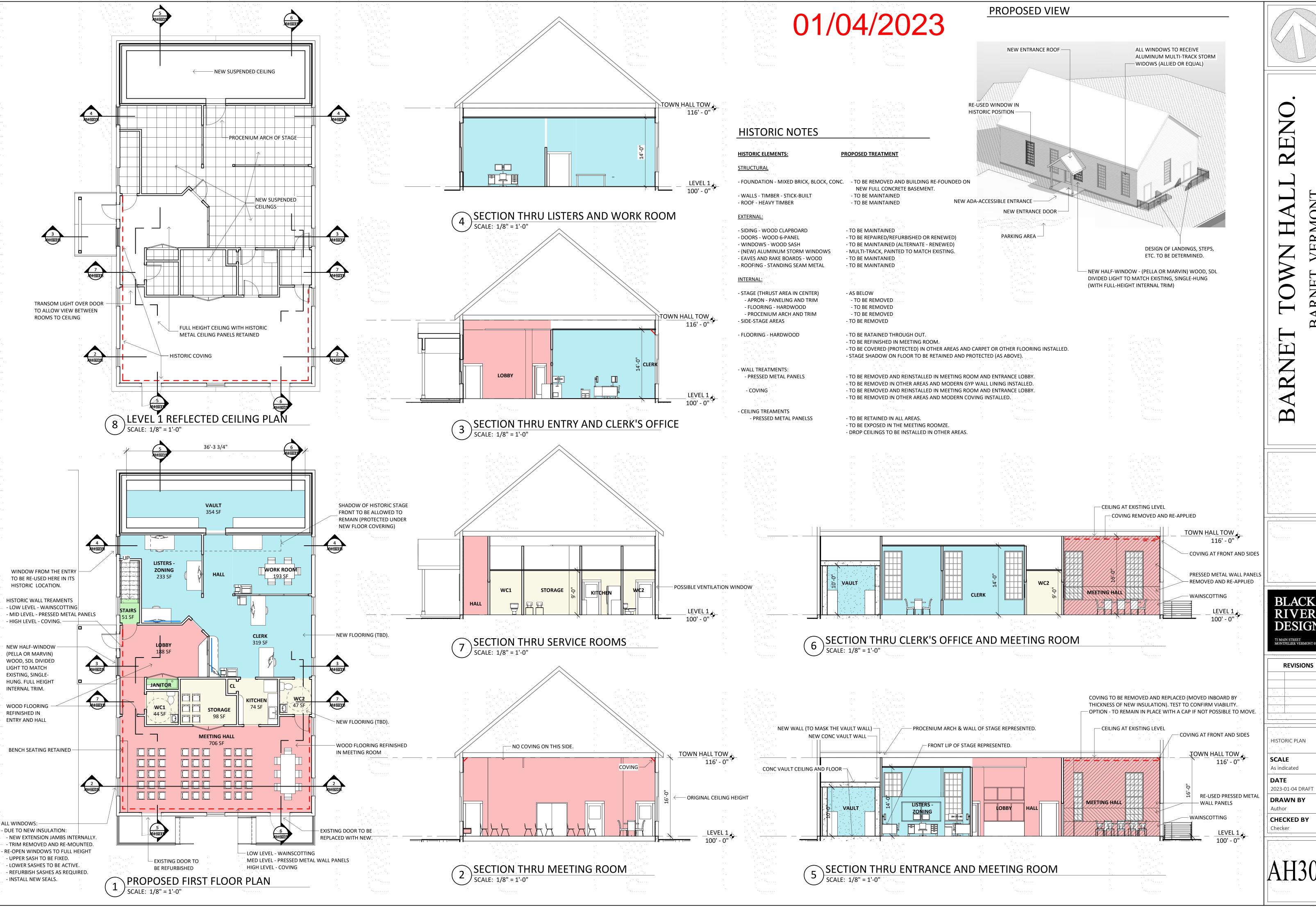
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ELEVATIONS

DRAWN BY
Author
CHECKED BY
Checker

A401



VERMONT

HISTORIC PLAN

SCALE As indicated

2023-01-04 DRAFT

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