

Date: 2/9/2024 Application #: 008-24
 Fees Paid: \$506 + \$15 recording fee = \$521
 Parcel ID #: 010-1878
 Tax Map #: 12-021.000

TOWN OF WATERBURY ZONING PERMIT APPLICATION

Please provide all of the information requested in this application. Read the Zoning Regulations and familiarize yourself with the requirements. Failure to provide all the required information will delay the process of this application. Based upon the nature of the project you may need to submit additional information. For instructions on how to fill out this form please refer to the *Zoning Permit Application Instructions & Fee Schedule* available on the municipal website or at the municipal offices. Submit one copy of the completed application and a check payable to the *Town of Waterbury* according to the zoning fee schedule. For questions about the permit process, please contact the Zoning Administrator at 802-244-1012.

CONTACT INFORMATION

APPLICANT

Name: Spenser Peterson
 Mailing Address: 1878 US Route 2
Waterbury, VT 05676
 Home Phone : 802-579-5905
 Work/Cell Phone: 802-579-5905
 Email: peterson.spenser@gmail.com

PROPERTY OWNER (if different from Applicant)

Name: _____
 Mailing Address: _____
 Home Phone : _____
 Work/Cell Phone: _____
 Email: _____

PROJECT DESCRIPTION

Physical location of project (E911 address): 1878 US Route 2
Waterbury, VT 05676
 Lot size: 1 acre Zoning District: Medium Density Residential
 Existing Use: Residential Proposed Use: Residential
 Brief description of project: New home. 46' x 27'6", 2BR 2BA.
Garage on ground level with living space on second level.
New house will be placed in same location as previous house.

Cost of project: \$ 240,000 Estimated start date: Feb 26, 2024
 Water system: Shared well Waste water system: Septic

EXISTING	PROPOSED
Square footage: <u>920</u> Height: <u>13</u>	Square footage: <u>1265</u> Height: <u>26</u>
Number of bedrooms/baths: <u>3BR 2BA</u>	Number of bedrooms/bath: <u>2BR 2BA</u>
# of parking spaces: <u>4</u>	# of parking spaces: <u>4</u>
Setbacks: front: <u>70</u>	Setbacks: front: <u>68</u>
sides: <u>108 / 65</u> rear: <u>152</u>	sides: <u>102 / 65</u> rear: <u>150</u>

ADDITIONAL MUNICIPAL PERMITS REQUIRED:

- Curb Cut / Access permit
- E911 Address Request
- Water & Sewer Allocation
- none of the above

[Additional State Permits may also be required]

CHECK ALL THAT APPLY:

- NEW CONSTRUCTION**
- Single-Family Dwelling
 - Two-Family Dwelling
 - Multi-Family Dwelling
 - Commercial / Industrial Building
 - Residential Building Addition
 - Comm./ Industrial Building Addition
 - Accessory Structure (garage, shed)
 - Accessory Apartment
 - Porch / Deck / Fence / Pool / Ramp
 - Development in SFHA (including repairs and renovation)
 - Other _____

- USE**
- Establish new use
 - Change existing use
 - Expand existing use
 - Establish home occupation

- OTHER**
- Subdivision (# of Lots: _____)
 - Boundary Line Adjustment (BLA)
 - Planned Unit Development (PUD)
 - Parking Lot
 - Soil/sand/gravel/mineral extraction
 - Other _____

SKETCH PLAN

Please include a sketch of your project, drawn to scale, with all required measurements - see *Zoning Permit Application Instructions*. You may use the space below or attach separate sheets. For plans larger than 11"x17" please provide a digital copy (pdf. file format) in addition to a paper copy.

See attached

SIGNATURES

The undersigned hereby applies for a Zoning Permit for the use described in this application to be issued on the basis of the representations made herein all of which the applicant swears to be complete and true.


Applicant Signature 2/9/2024
date

Property Owner Signature date

CONTACT

Zoning Administrator Phone: (802) 244-1012
Mailing Address: Waterbury Municipal Offices, 28 North Main Street, Suite 1, Waterbury, VT 05676
Municipal Website: www.waterburyvt.com

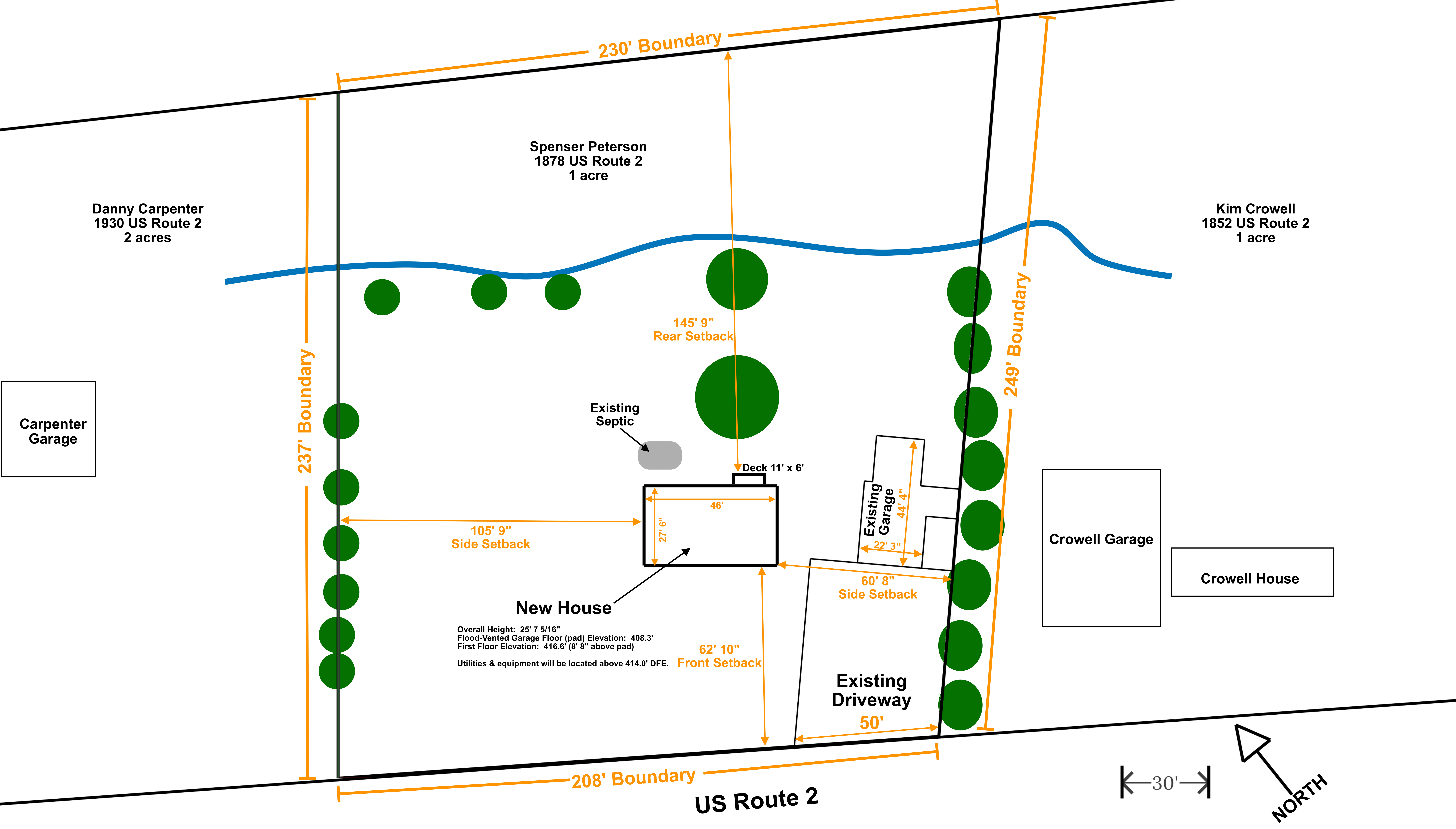
OFFICE USE ONLY

Zoning District/Overlay: _____
Review type: Administrative DRB Public Warning Required: Yes No
DRB Referral Issued (effective 15-days later): _____
DRB Mtg Date: _____ Decision Date: _____
Date Permit issued (effective 16-days later): _____
Final Plat due (for Subdivision only): _____
Remarks & Conditions: _____

Authorized signature: _____ Date: _____

REVIEW/APPLICATIONS:

- Conditional Use Waiver
- Site Plan
- Variance
- Subdivision:
 Subdv. BLA PUD
- Overlay:
 DDR SFHA RHS CMP
- Sign
- Other _____
- n/a



Danny Carpenter
1930 US Route 2
2 acres

Spenser Peterson
1878 US Route 2
1 acre

Kim Crowell
1852 US Route 2
1 acre

Carpenter
Garage

Crowell
Garage

Crowell
House

237' Boundary

230' Boundary

249' Boundary

208' Boundary

US Route 2

145' 9"
Rear Setback

105' 9"
Side Setback

62' 10"
Front Setback

60' 8"
Side Setback

Overall Height: 25' 7 5/16"
Flood-Vented Garage Floor (pad) Elevation: 408.3'
First Floor Elevation: 416.6' (8' 8" above pad)
Utilities & equipment will be located above 414.0' DFE.

Existing
Septic

Deck 11' x 6'

46'
27' 6"

Existing
Garage
44' 4"
22' 3"

Existing
Driveway
50'

30'

NORTH

ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

SECTION A – PROPERTY INFORMATION	FOR INSURANCE COMPANY USE
A1. Building Owner's Name: <u>Spenser Peterson & Mallory Walling</u>	Policy Number: _____
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.: <u>1878 US Route 2</u>	Company NAIC Number: _____
City: <u>Waterbury</u> State: <u>VT</u> ZIP Code: <u>05676</u>	
A3. Property Description (e.g., Lot and Block Numbers or Legal Description) and/or Tax Parcel Number: <u>Parcel ID 010-1878</u>	
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.): <u>Residential</u>	
A5. Latitude/Longitude: Lat. <u>44.357791</u> Long. <u>-72.794798</u> Horiz. Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983 <input type="checkbox"/> WGS 84	
A6. Attach at least two and when possible four clear color photographs (one for each side) of the building (see Form pages 7 and 8).	
A7. Building Diagram Number: <u>1A</u>	
A8. For a building with a crawlspace or enclosure(s): a) Square footage of crawlspace or enclosure(s): <u>N/A</u> sq. ft. b) Is there at least one permanent flood opening on two different sides of each enclosed area? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A c) Enter number of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade: Non-engineered flood openings: <u>N/A</u> Engineered flood openings: <u>N/A</u> d) Total net open area of non-engineered flood openings in A8.c: <u>N/A</u> sq. in. e) Total rated area of engineered flood openings in A8.c (attach documentation – see Instructions): <u>N/A</u> sq. ft. f) Sum of A8.d and A8.e rated area (if applicable – see Instructions): <u>N/A</u> sq. ft.	
A9. For a building with an attached garage: a) Square footage of attached garage: <u>N/A</u> sq. ft. b) Is there at least one permanent flood opening on two different sides of the attached garage? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A c) Enter number of permanent flood openings in the attached garage within 1.0 foot above adjacent grade: Non-engineered flood openings: <u>N/A</u> Engineered flood openings: <u>N/A</u> d) Total net open area of non-engineered flood openings in A9.c: <u>N/A</u> sq. in. e) Total rated area of engineered flood openings in A9.c (attach documentation – see Instructions): <u>N/A</u> sq. ft. f) Sum of A9.d and A9.e rated area (if applicable – see Instructions): <u>N/A</u> sq. ft.	
SECTION B – FLOOD INSURANCE RATE MAP (FIRM) INFORMATION	
B1.a. NFIP Community Name: <u>Waterbury, Town of</u> B1.b. NFIP Community Identification Number: <u>500123</u>	
B2. County Name: <u>Washington County</u> B3. State: <u>VT</u> B4. Map/Panel No.: <u>0206</u> B5. Suffix: <u>E</u>	
B6. FIRM Index Date: <u>03/19/2013</u> B7. FIRM Panel Effective/Revised Date: <u>03/19/2013</u>	
B8. Flood Zone(s): <u>AE</u> B9. Base Flood Elevation(s) (BFE) (Zone AO, use Base Flood Depth): <u>412.0</u>	
B10. Indicate the source of the BFE data or Base Flood Depth entered in Item B9: <input checked="" type="checkbox"/> FIS <input type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other: _____	
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other/Source: _____	
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date: _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA	
B13. Is the building located seaward of the Limit of Moderate Wave Action (LiMWA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

ELEVATION CERTIFICATE

IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:

1878 US Route 2

City: Waterbury

State: VT

ZIP Code: 05676

FOR INSURANCE COMPANY USE

Policy Number: _____

Company NAIC Number: _____

SECTION C – BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: Construction Drawings* Building Under Construction* Finished Construction

*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations – Zones A1–A30, AE, AH, AO, A (with BFE), VE, V1–V30, V (with BFE), AR, AR/A, AR/AE, AR/A1–A30, AR/AH, AR/AO, A99. Complete Items C2.a–h below according to the Building Diagram specified in Item A7. In Puerto Rico only, enter meters.

Benchmark Utilized: Static GPS - Processed by OPUS Vertical Datum: NAVD 1988

Indicate elevation datum used for the elevations in items a) through h) below.

NGVD 1929 NAVD 1988 Other: _____

Datum used for building elevations must be the same as that used for the BFE. Conversion factor used?

Yes No

If Yes, describe the source of the conversion factor in the Section D Comments area.

Check the measurement used:

a) Top of bottom floor (including basement, crawlspace, or enclosure floor): 408.3 feet meters

b) Top of the next higher floor (see Instructions): N/A feet meters

c) Bottom of the lowest horizontal structural member (see Instructions): N/A feet meters

d) Attached garage (top of slab): N/A feet meters

e) Lowest elevation of Machinery and Equipment (M&E) servicing the building (describe type of M&E and location in Section D Comments area): N/A feet meters

f) Lowest Adjacent Grade (LAG) next to building: Natural Finished 408.2 feet meters

g) Highest Adjacent Grade (HAG) next to building: Natural Finished 408.3 feet meters

h) Finished LAG at lowest elevation of attached deck or stairs, including structural support: N/A feet meters

SECTION D – SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by state law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Were latitude and longitude in Section A provided by a licensed land surveyor? Yes No

Check here if attachments and describe in the Comments area.

Certifier's Name: Gerald Stockman

License Number: 109298

Title: Director of Field Services

Company Name: Trudell Consulting Engineers, A Bowman Company

Address: 478 Blair Park Road

City: Williston

State: VT

ZIP Code: 05495

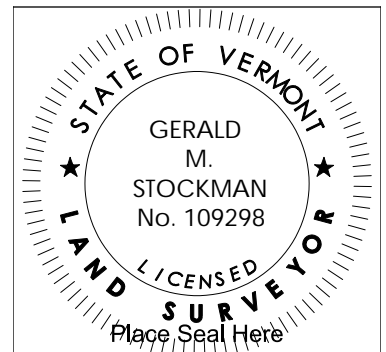
Telephone: (802) 879-6331

Ext.: _____

Email: Gerald.Stockman@tcevt.com

Signature: Gerald Stockman IV

Date: 03/06/2024



Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments (including source of conversion factor in C2; type of equipment and location per C2.e; and description of any attachments):

This elevation certificate is for a concrete slab that formerly had a mobile home on it, but is currently just the slab.

ELEVATION CERTIFICATE
IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11
BUILDING PHOTOGRAPHS

See Instructions for Item A6.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:
 1878 US Route 2

City: Waterbury State: VT ZIP Code: 05676

FOR INSURANCE COMPANY USE

Policy Number: _____

Company NAIC Number: _____

Instructions: Insert below at least two and when possible four photographs showing each side of the building (for example, may only be able to take front and back pictures of townhouses/rowhouses). Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." Photographs must show the foundation. When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.



Photo One

Photo One Caption: Looking southeasterly at the building slab. Water Line in at bottom left of photo.

Clear Photo One



Photo Two

Photo Two Caption: Looking Northwesterly at the building slab.

Clear Photo Two

ELEVATION CERTIFICATE
IMPORTANT: MUST FOLLOW THE INSTRUCTIONS ON INSTRUCTION PAGES 1-11
BUILDING PHOTOGRAPHS

Continuation Page

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No.:
1878 US Route 2

City: Waterbury State: VT ZIP Code: 05676

FOR INSURANCE COMPANY USE

Policy Number: _____

Company NAIC Number: _____

Insert the third and fourth photographs below. Identify all photographs with the date taken and "Front View," "Rear View," "Right Side View," or "Left Side View." When flood openings are present, include at least one close-up photograph of representative flood openings or vents, as indicated in Sections A8 and A9.



Photo Three

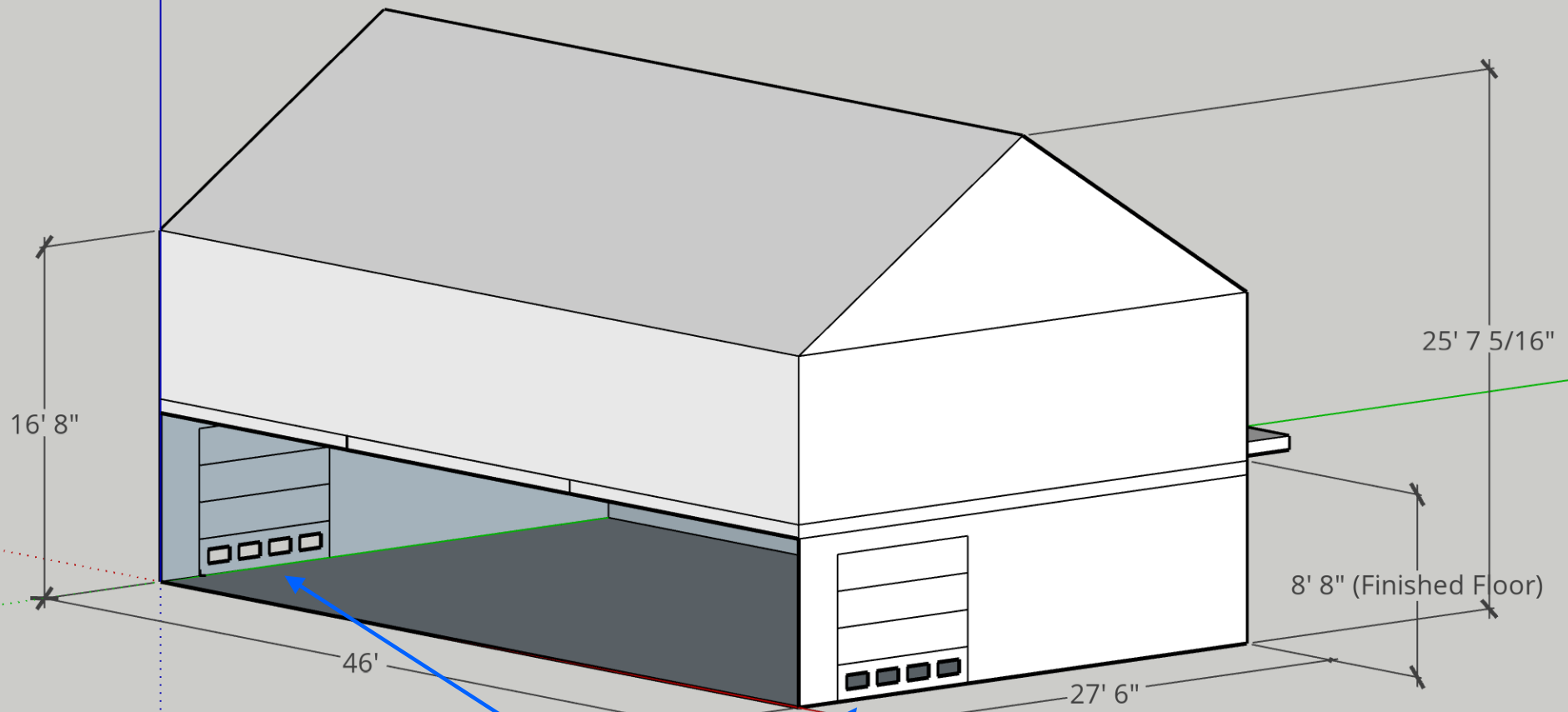
Photo Three Caption: Looking Southwesterly at the building slab.

Clear Photo Three

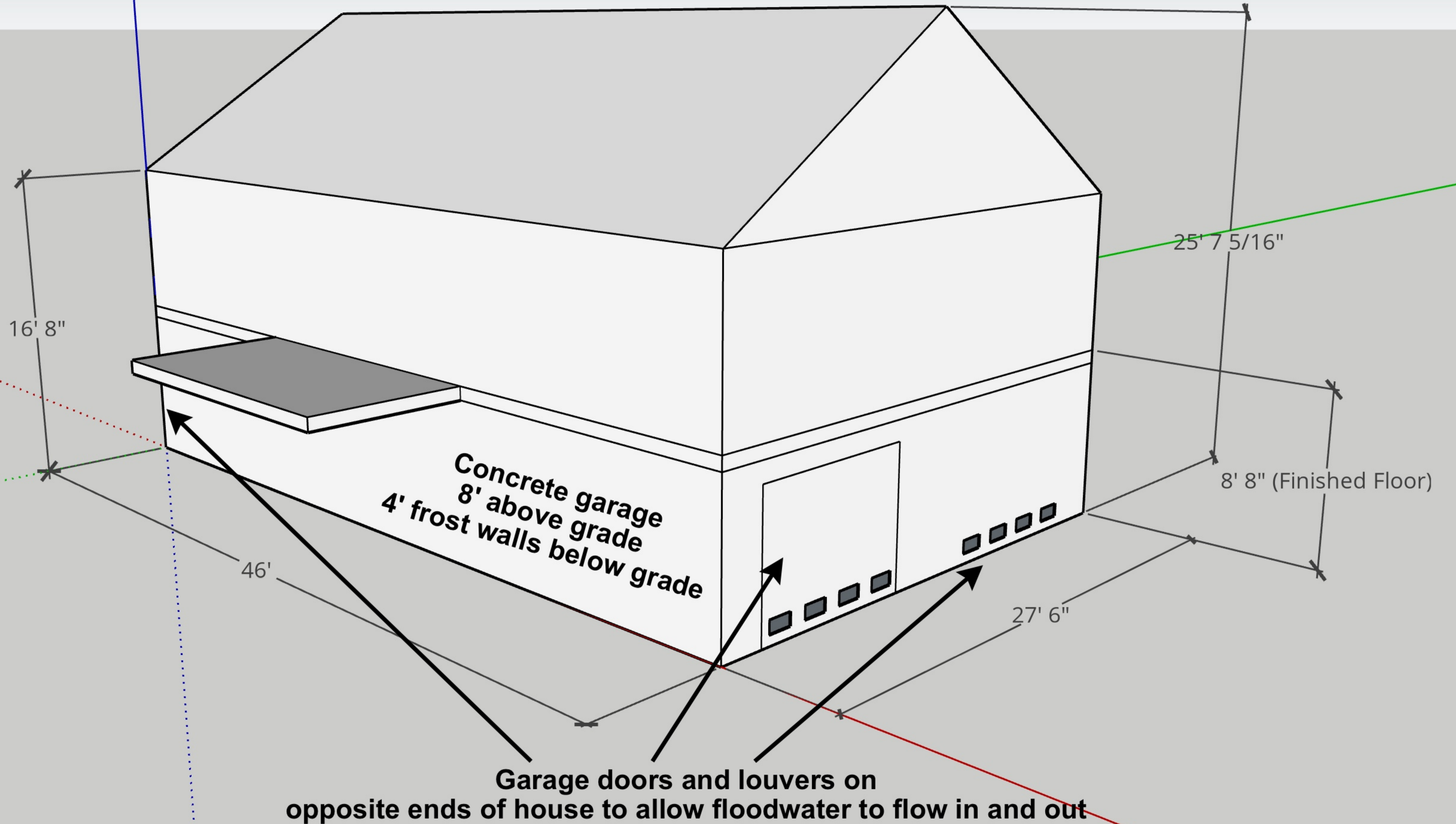
Photo Four

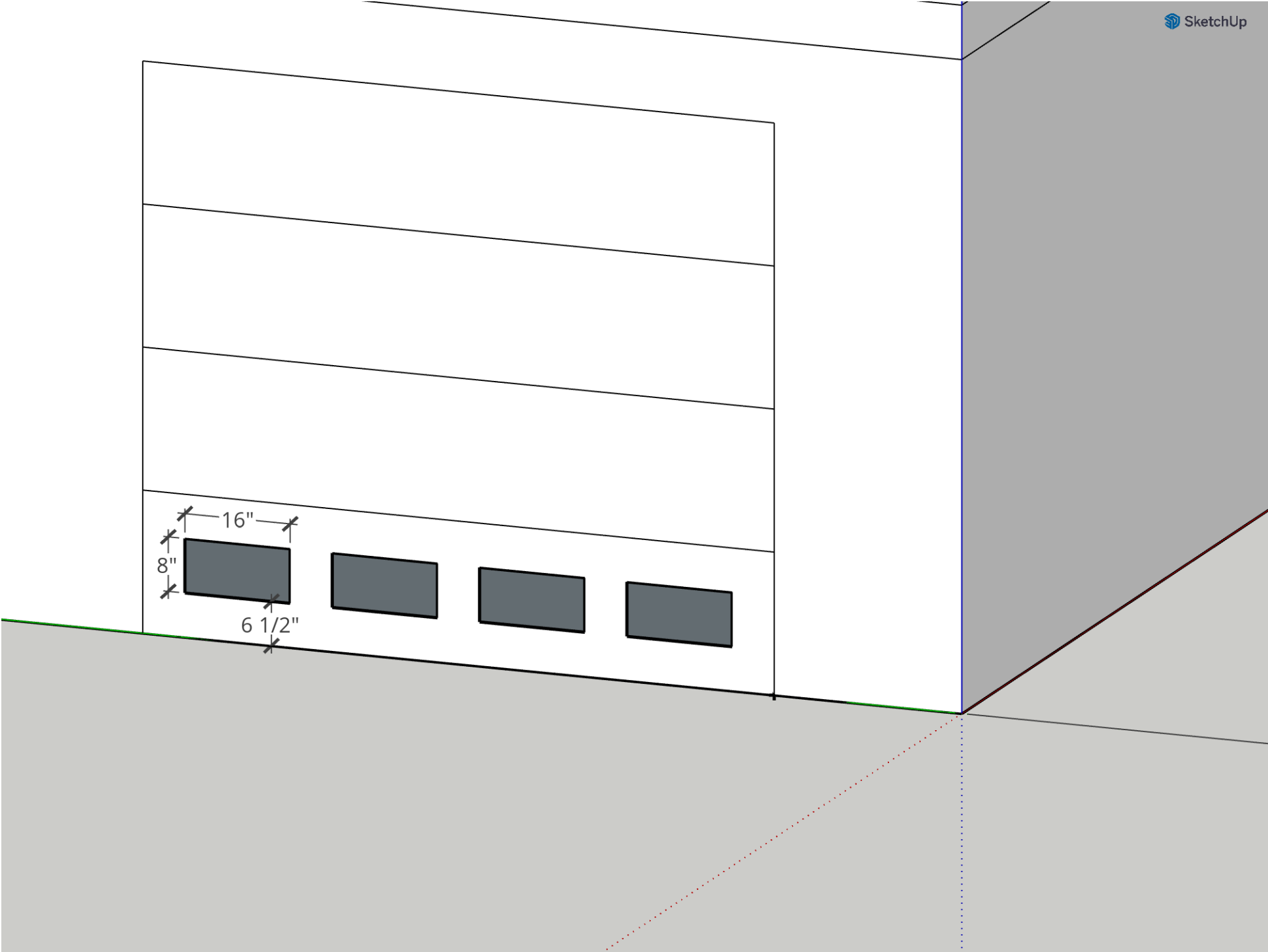
Photo Four Caption:

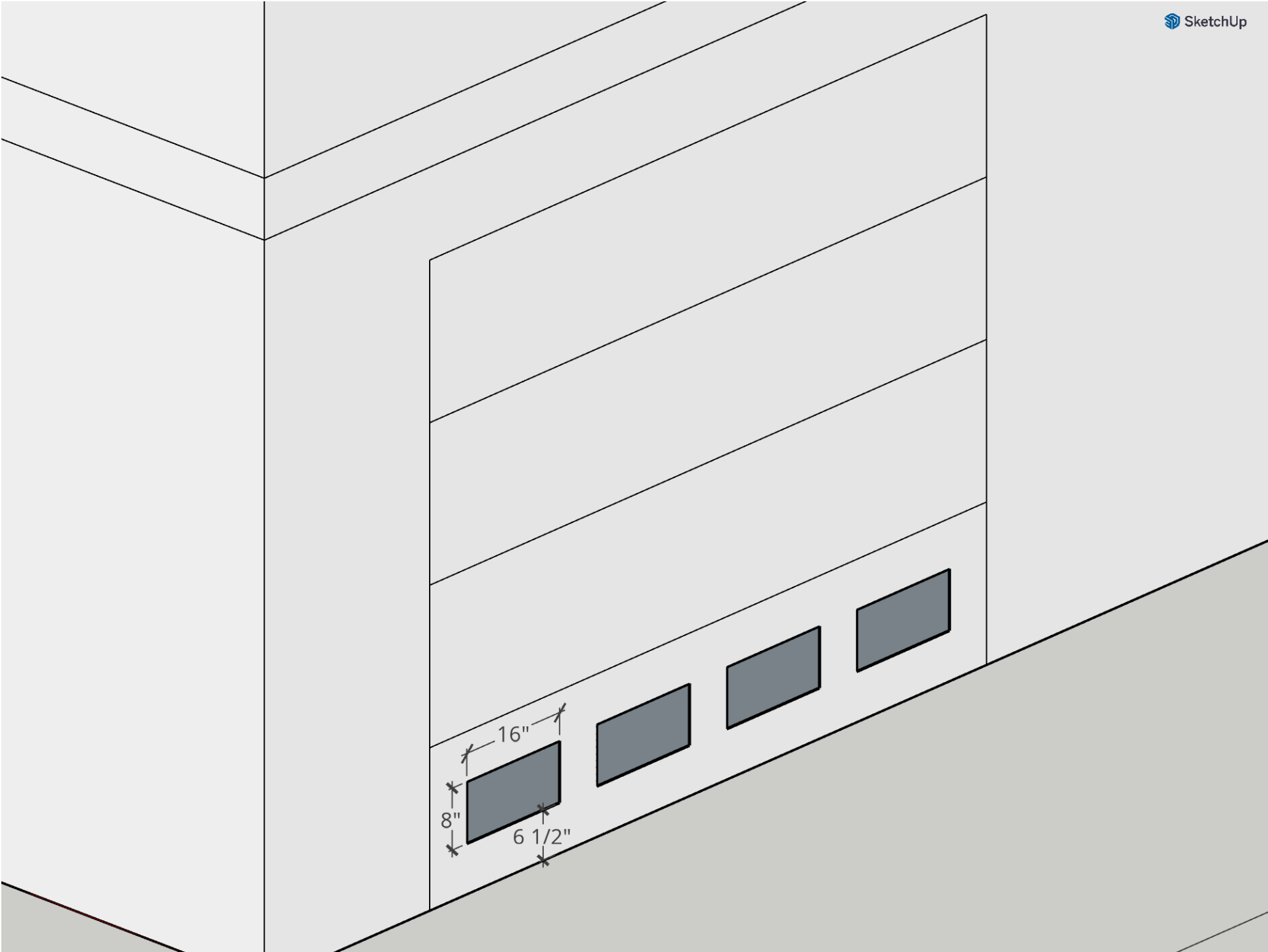
Clear Photo Four

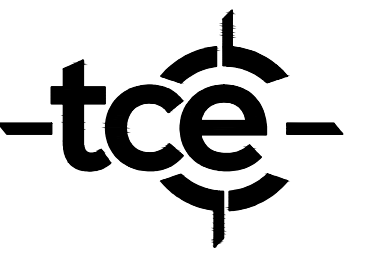


4 flood vents each on west and east end of house.
1265 sq. ft. enclosed space. Each vent rated for 200 sq. ft.

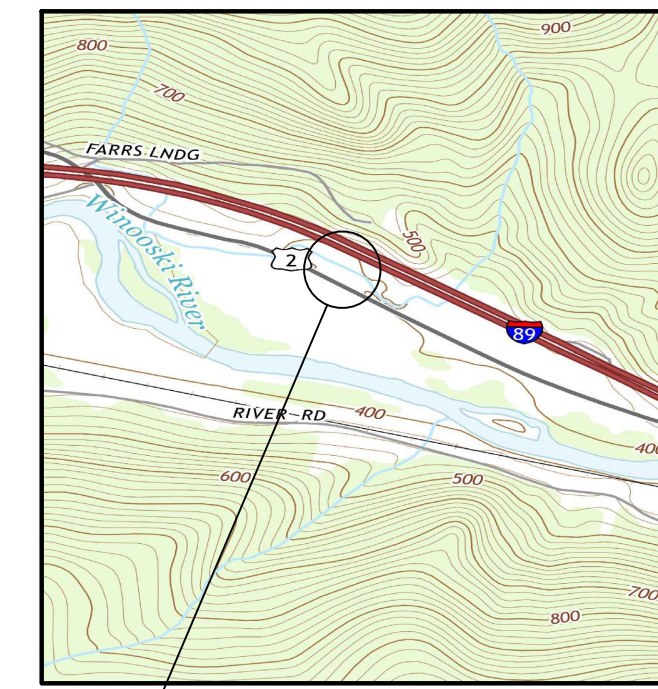




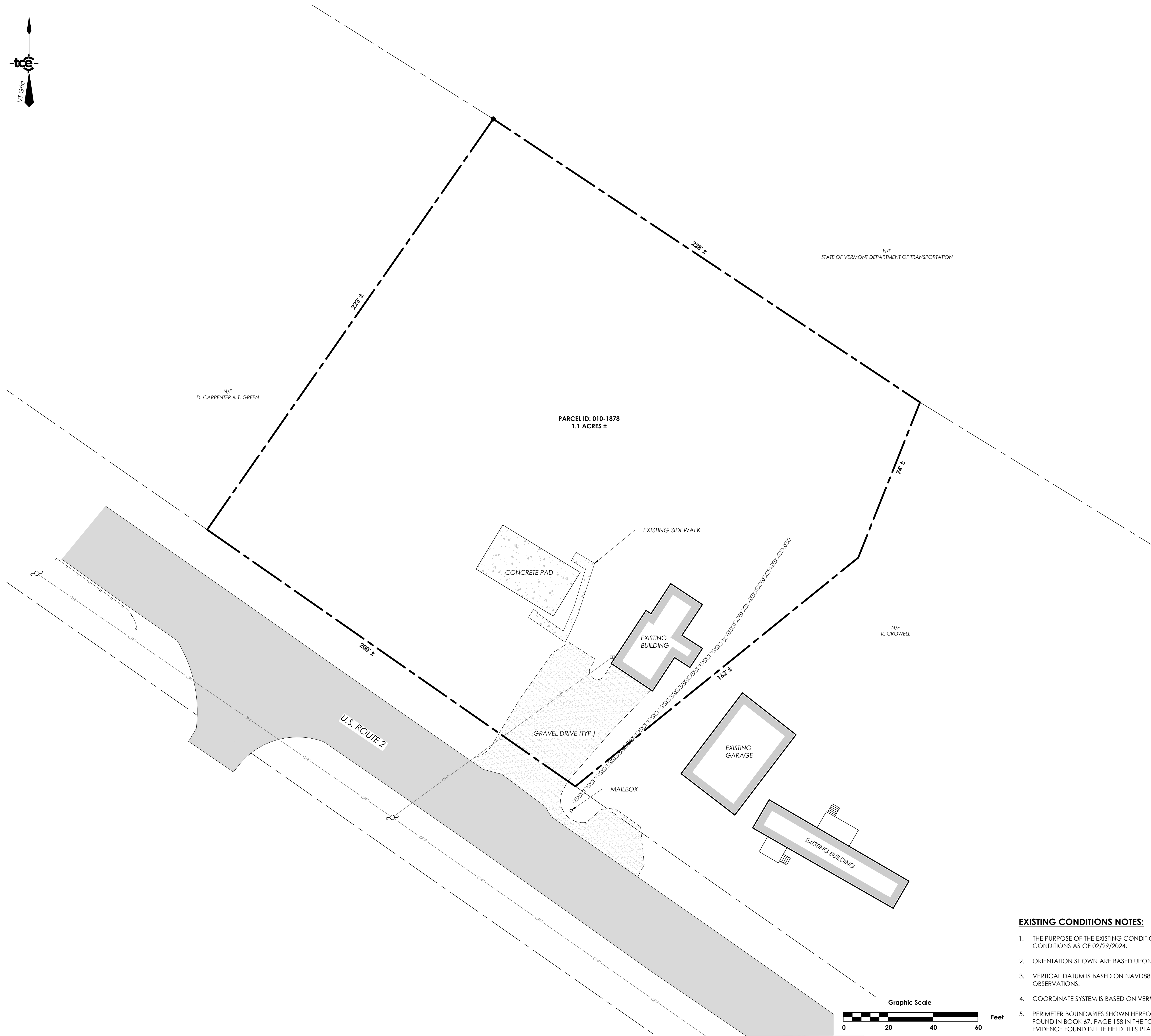




Revisions No.	Description	Date	By



PROJECT LOCATION



LEGEND

PAVED DRIVE OR ROAD	
GRAVEL DRIVE OR ROAD	
GUARD RAIL	
OVERHEAD UTILITY	
PROPERTY LINE	
ADJOINING PROPERTY LINE	
ELECTRICAL METER	
IRON PIPE	

- Use of These Drawings**
- Unless otherwise noted, these Drawings are intended for preliminary planning, coordination with other disciplines or utilities, and/or approval from the regulatory authorities. They are not intended as construction drawings unless noted as such or marked approved by a regulatory authority.
 - By use of these drawings for construction of the Project, the Owner represents that they have reviewed, approved, and accepted the drawings, obtained all necessary permits, and have met with all applicable parties/disciplines, including but not limited to, the Engineer and the Architect, to insure these plans are properly coordinated including, but not limited to, contract documents, specifications, owner/contractor agreements, building and mechanical plans, private and public utilities, and other pertinent permits for construction.
 - Owner and Architect, are responsible for final design and location of buildings shown, including an area measured a minimum five (5) feet around any building and coordinating final utility connections shown on these plans.
 - Prior to using these plans for construction layout, the user shall contact TCE to ensure the plan contains the most current revisions.
 - These Drawings are specific to the Project and are not transferable. As instruments of service, these drawings, and copies thereof, furnished by TCE are its exclusive property. Changes to the drawings may only be made by TCE. If errors or omissions are discovered, they shall be brought to the attention of TCE immediately.
 - It is the User's responsibility to ensure this copy contains the most current revisions.

Project Title

Peterson
1878 US Route 2
Waterbury, Vermont 05676

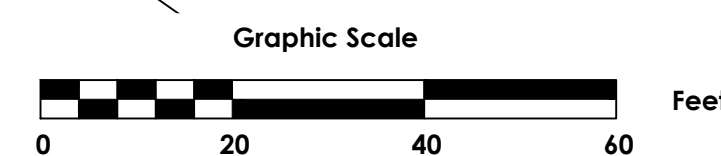
Sheet Title

Site Plan

Date:	03/04/2024
Scale:	1" = 20'
Project Number:	24-037
Drawn By:	JGE
Project Engineer:	N/A
Approved By:	DBM
Field Book:	24-037.rw5

EXISTING CONDITIONS NOTES:

- THE PURPOSE OF THE EXISTING CONDITIONS PLAN IS TO DEPICT READILY APPARENT PERTINENT EXISTING CONDITIONS AS OF 02/29/2024.
- ORIENTATION SHOWN ARE BASED UPON VERMONT GRID NORTH USING VTVRS CORS STATION.
- VERTICAL DATUM IS BASED ON NAVD88 (GEOID 18). A CARLSON BRx7 RTK GPS UNIT WAS EMPLOYED FOR THESE OBSERVATIONS.
- COORDINATE SYSTEM IS BASED ON VERMONT STATE PLANE (U.S. SURVEY FEET).
- PERIMETER BOUNDARIES SHOWN HEREON ARE BASED ON TAX MAP INFORMATION, A DEED DESCRIPTION FOUND IN BOOK 67, PAGE 158 IN THE TOWN OF WATERBURY LAND RECORDS, AND LIMITED BOUNDARY EVIDENCE FOUND IN THE FIELD. THIS PLAN DOES NOT DEPICT A FORMAL BOUNDARY SURVEY.



C2-01

Vermont Department of Environmental Conservation

 Watershed Management Division
 1 National Life Drive, Davis 3
 Montpelier, VT 05620-3522

Agency of Natural Resources

 phone 802-828-1535
 fax 802-828-1544

 Mike Bishop, Zoning Administrator
 Town of Waterbury
 Electronic communication

3/29/2023

Dear Mike Bishop,

Thank you for sending the application materials (3/27/2024) for the proposed construction at 1878 Route 2 to replace a double-wide manufactured home that was Substantially Damaged in the July 2023 flood.

The project proposes a flood-vented garage on the existing concrete pad, and a residence above the garage. This proposal is in accord with the requirements to avoid flood damage in Waterbury.

The location is within the Zone AE Special Flood Hazard Area of the Winooski River. An Elevation Certificate for the current / remaining concrete pad was provided (Stockman 3/6/2024). The top of the existing concrete pad is 408.3'. The Base Flood Elevation at the site is 412.0'. The Design Flood Elevation (DFE) is $BFE + 2' = 414.0' = 5' 9''$ above the pad.

Proposed First Floor Elevation (8' 8" above the pad)	416.6	
Design Flood Elevation (DFE) (5' 9" above the pad)	414.0' NAVD88	New utilities and equipment should be above DFE. Replacement materials and methods below the DFE should be flood-damage resistant per TB-2 .
Base Flood Elevation (BFE)	412.0' NAVD88	From EC
Bottom Floor (pad) Proposed Flood-Vented Garage Floor	408.3'	From EC
Lowest Adjacent Grade (LAG)	408.2'	From EC

The proposal includes adequate flood vents for the enclosed garage space. Eight engineered flood vents, rated for 200 ft² each, will be installed on the upstream and downstream ends of the building providing venting for the 1265' of enclosed space.

The footprint of the proposed structure is slightly larger than the destroyed structure. However, since the bottom level will be flood-vented it is not considered to displace flood storage.

The use of the garage space needs to be limited by permit to parking, storage, and access to the residence.

All utilities (heat, water heater, electric panel etc.) need to be above the Design Flood Elevation (DFE) 414.0 NAVD88. This is either on the residential floor, or high within the garage.

Electric drops can provide access to switches and plugs with GFCI, as long as the primary systems are elevated and safe from flood damage.

Construction materials (including insulation and wallboard) used below the DFE, such as in the garage need to be resistant to flood damage as shown in Classes 5 and 4 in Table 2 in [FEMA Technical Bulletin 2](#)

If a fuel tank is proposed, it needs to be adequately anchored to prevent mobilization, and to be vented above the DFE. The anchoring installation needs to include calculations by a qualified professional demonstrating adequate anchoring for flood forces including buoyancy.

The entire structure needs to be adequately anchored to the frost walls/foundation.

After construction the applicant should provide an Elevation Certificate for the finished constructed.

These comments are offered in support of the Town of Waterbury under Section 606 (b), and 24 VSA §4424. Where the Town has additional or more stringent standards those standards will control.

Please let me know if you have any questions.

Thank you,



Ned Swanberg
Central Vermont Floodplain Manager, CFM
VT DEC River Corridor and Floodplain Protection
ned.swanberg@vermont.gov 802.490.6160