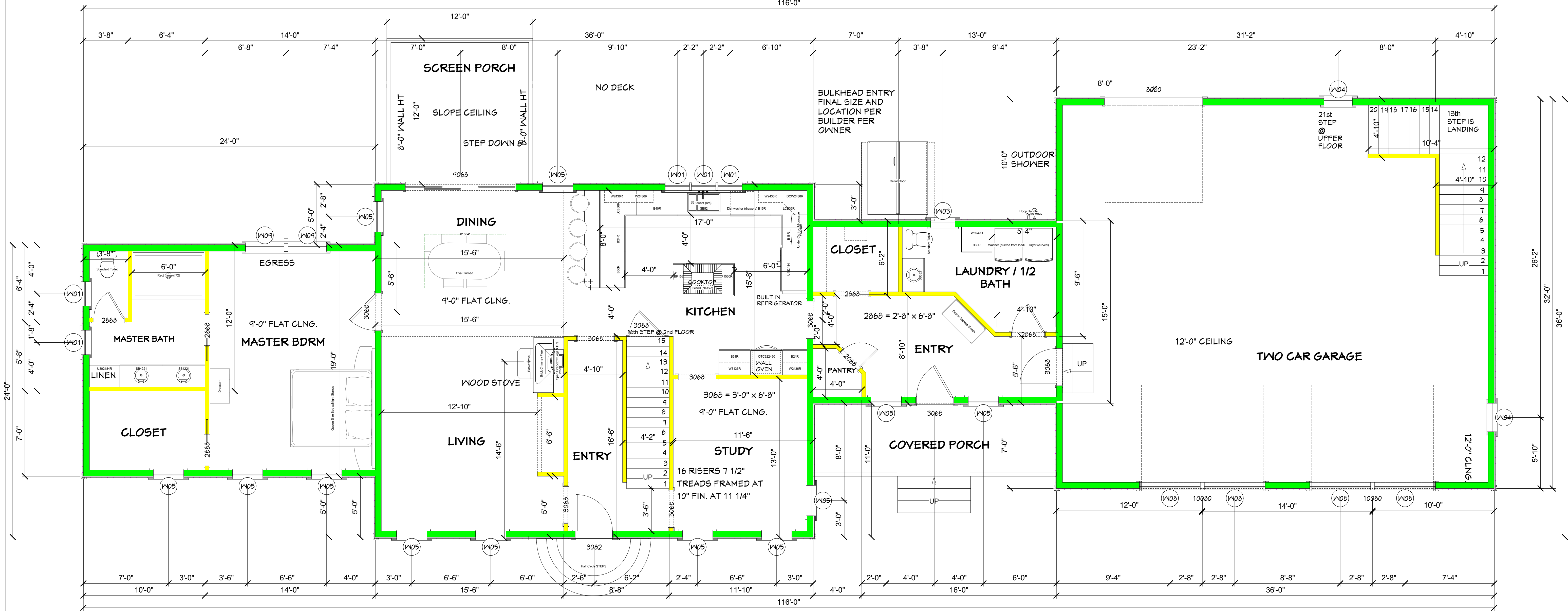




SCALE: 1/4" = 1'0"

WINDOW SCHEDULE							
LABEL	QTY	FLOOR	SIZE	WIDTH	HEIGHT	EGRESS	DESCRIPTION
W01-2030DH	5	1	2030DH	24 "	36 "		DOUBLE HUNG
W02-2030DH	1	2	2030DH	24 "	36 "		DOUBLE HUNG
W03-2040DH	1	1	2040DH	24 "	48 "		DOUBLE HUNG
W04-2440DH	2	1	2440DH	28 "	48 "		DOUBLE HUNG
W05-2646DH	12	1	2646DH	30 "	54 "		DOUBLE HUNG
W06-2646DH	4	2	2646DH	30 "	54 "		DOUBLE HUNG
W07-32410DH	4	2	32410DH	38 "	58 "		DOUBLE HUNG
W08-5010FX	4	1	5010FX	60 "	12 "		FIXED GLASS
W09-32410DH	2	1	32410DH	38 "	58 "		DOUBLE HUNG

DOOR SCHEDULE						
LABEL	QTY	FLOOR	SIZE	WIDTH	HEIGHT	DESCRIPTION
10080	2	1	10080	120 "	96 "	GARAGE-DESIGN 3 - TOP 13
2068	1	1	2068	24 "	80 "	HINGED-DOOR P06
2068	1	2	2068	24 "	80 "	HINGED-DOOR P06
2668	1	1	2668	30 "	80 "	HINGED-DOOR P06
2668	2	1	2668	30 "	80 "	POCKET-6-PANEL
2868	1	1	2868	32 "	80 "	HINGED-DOOR P06
2868	1	1	2868	32 "	80 "	POCKET-6-PANEL
2868	2	2	2868	32 "	80 "	HINGED-DOOR P06
3040	2	2	3040	36 "	48 "	EXT. HINGED-PANEL
3068	1	0	3068	36 "	80 "	HINGED-SLAB
3068	3	1	3068	36 "	80 "	HINGED-DOOR P06
3068	2	1	3068	36 "	80 "	EXT. HINGED-DOOR E24
3068	3	2	3068	36 "	80 "	HINGED-DOOR P06
3082	1	1	3082	36 "	98 "	MULLED UNIT
8080	1	1	8080	96 "	96 "	GARAGE-DESIGN 3 - TOP 13
6068	2	2	6068	72 "	80 "	SLIDER-DOOR P05
9068	1	1	9068	108 "	80 "	EXT. TRIPLE SLIDER-GLASS



FIRST FLOOR PLAN

LOW MAINTENANCE EXTERIOR MATERIALS

5" EXTERIOR WINDOW AND DOOR CASING

ROOF - 12" O.H. @ NORMAL / 4" O.H. AT GABLE ENDS

9'-0" FIRST FLOOR CEILING HT.

PROPANE DIRECT VENT HOT WATER

(SCALE ACCURATE WHEN PRINTED ON 24" x 36" PAPER) (UNLESS NOTED OTHERWISE)

TOM GOSSELIN BUILDER

SANBORNTON NH

603 455 0884

STEVEN MELBOURNE DESIGN

REMODELING - NEW CONSTRUCTION - ADDITIONS

40 HOLMAN STREET, LACONIA, NH

(603) 293-7862

1st Floor Living	1941	Sq. Ft.
2nd Floor Living	790	Sq. Ft.
Total Living	2731	Sq. Ft.
Front (Side) Porch	120	Sq. Ft.
Screen Porch	144	Sq. Ft.
Basement Area	1902	Sq. Ft.
Garage Area	1152	Sq. Ft.

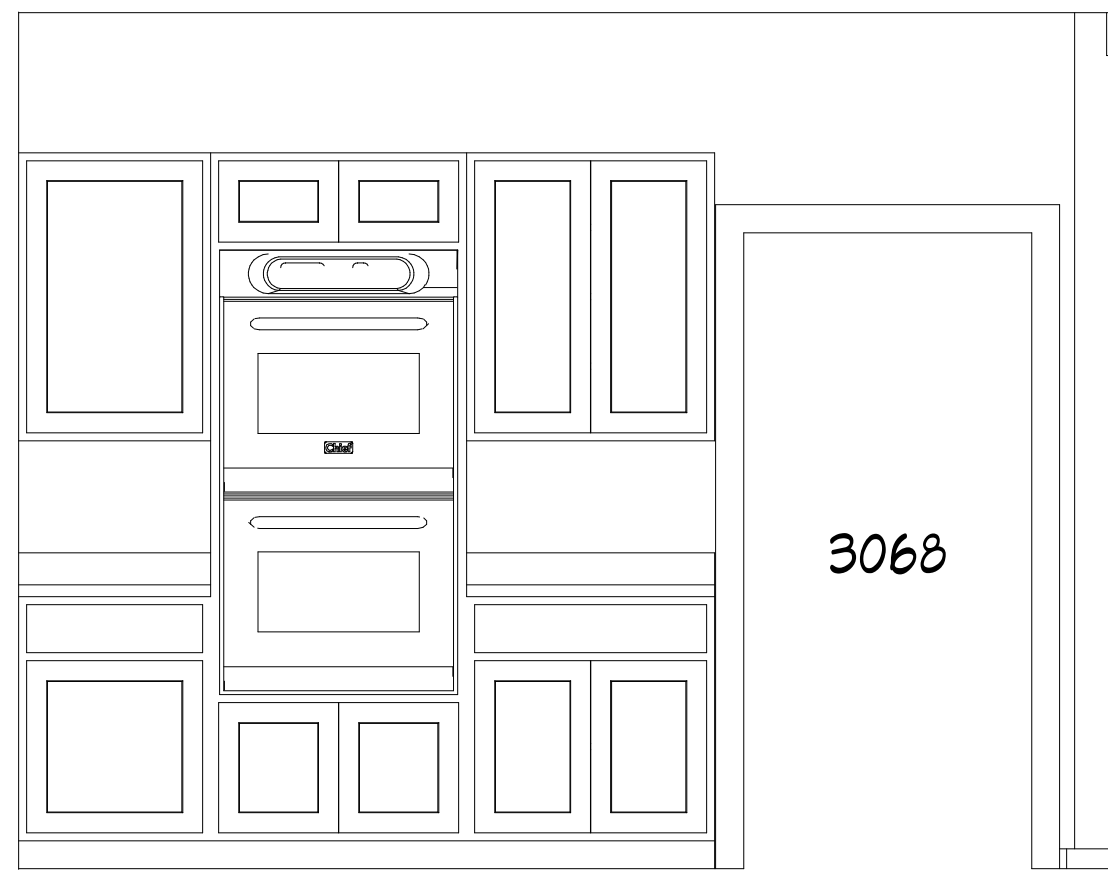
BANKS RESIDENCE

CIRCLE POINT ROAD

SANBORNTON, NH 03269

DATE: 03/17/22

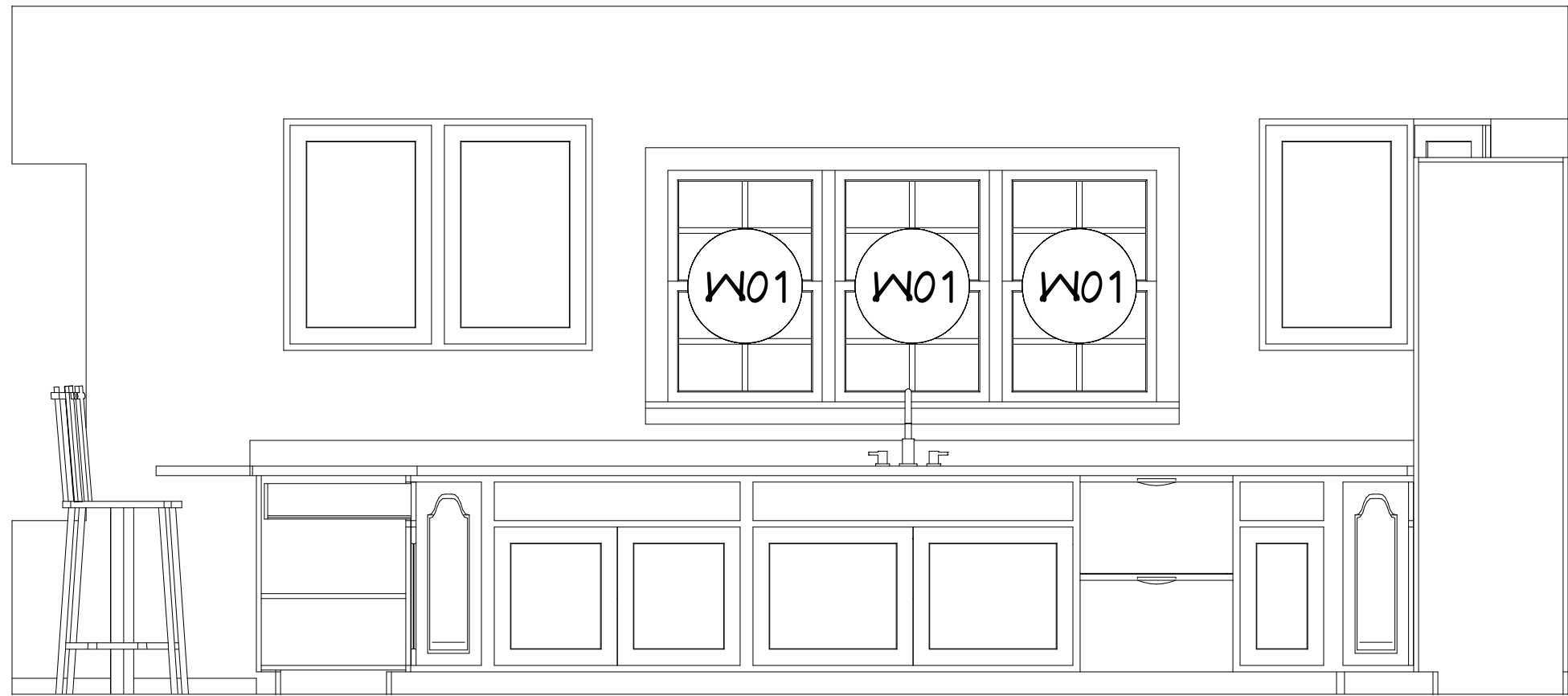
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Elevation 7



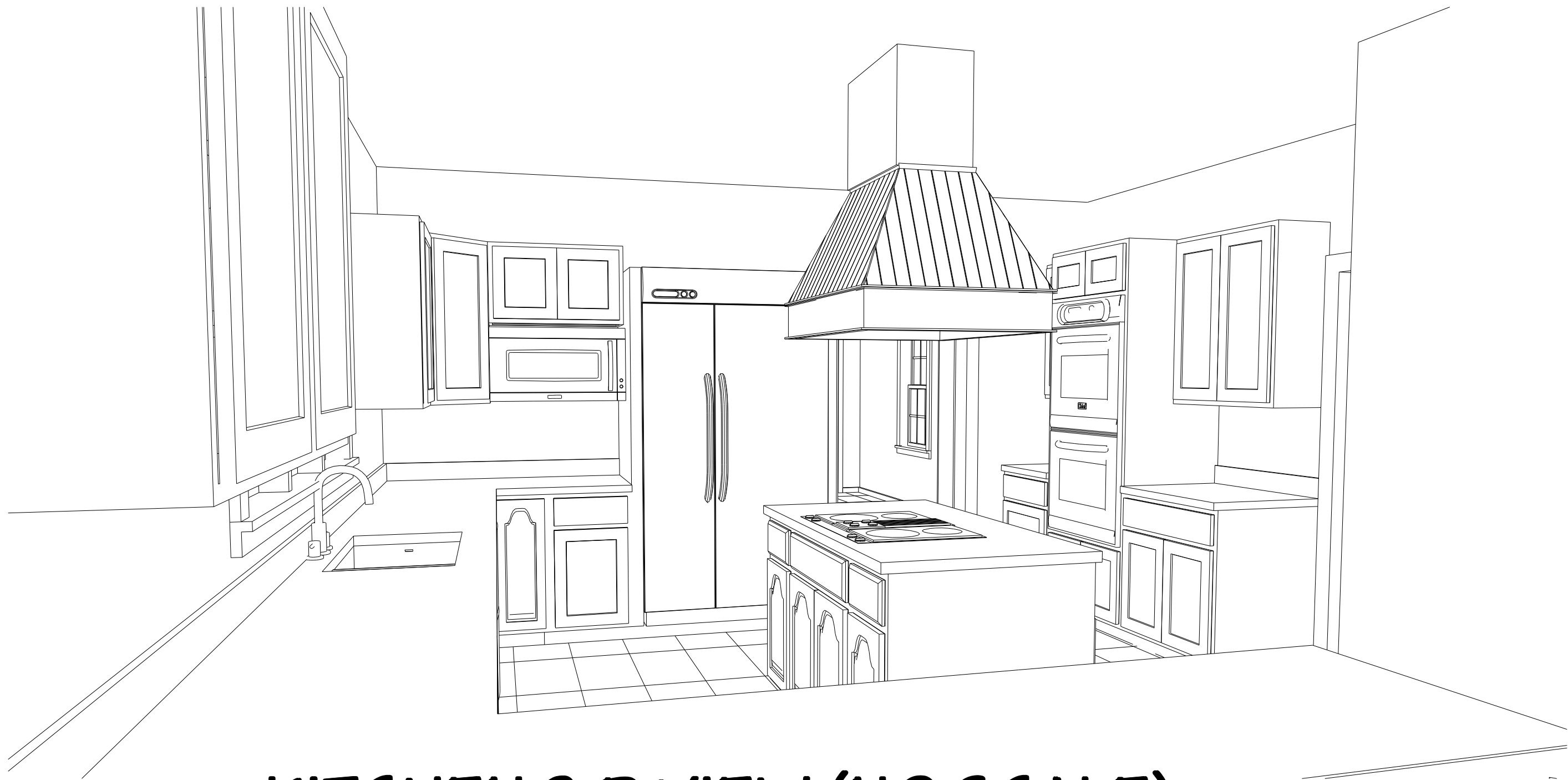
Elevation 6



Elevation 5

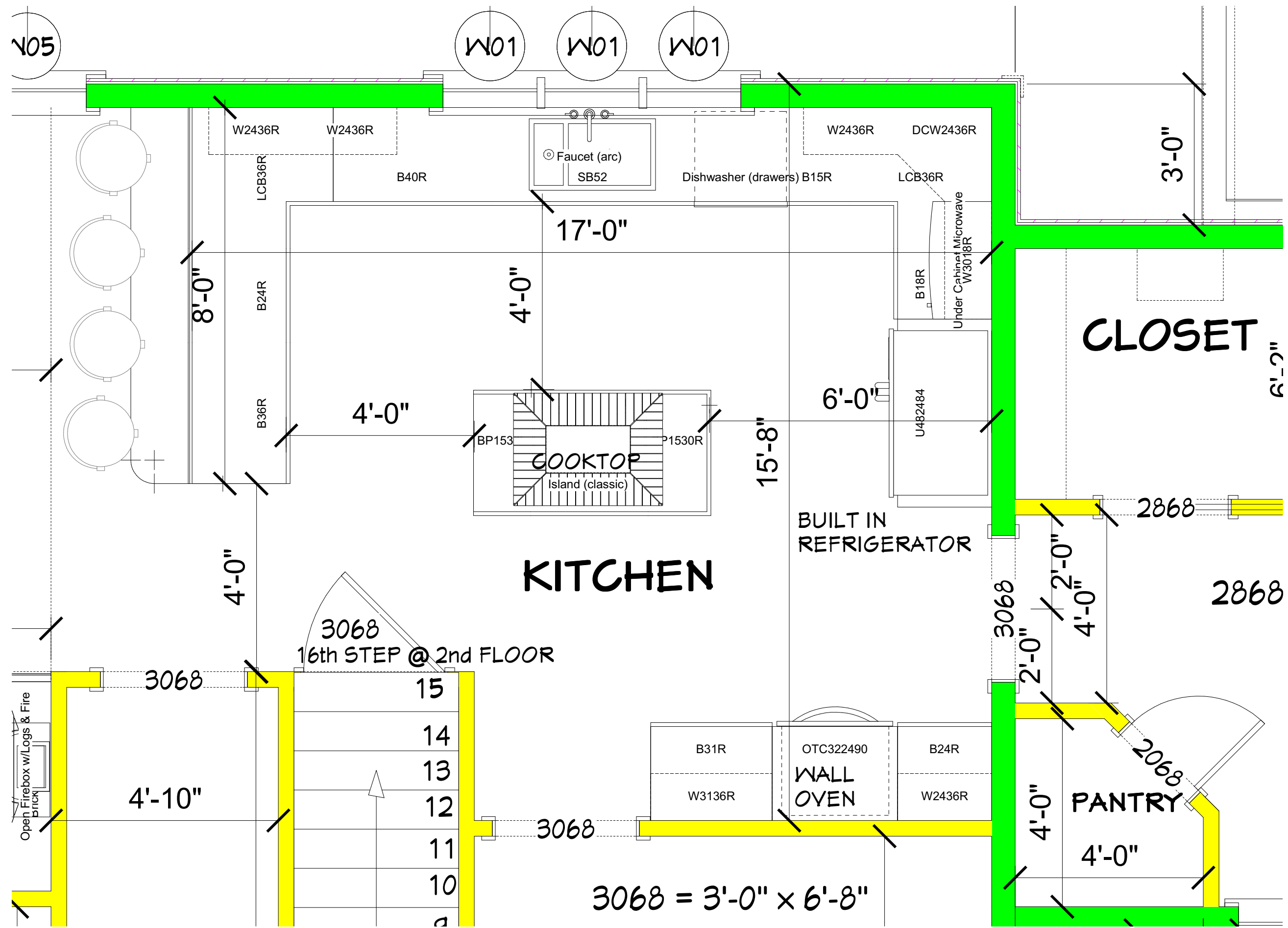


Elevation 8



KITCHEN 3-D VIEW (NO SCALE)

KITCHEN ELEVATIONS (SCALE: 1/2" = 1'-0")



KITCHEN FLOOR PLAN (SCALE: 1/2" = 1'-0")

(SCALE ACCURATE WHEN PRINTED ON 24" x 36" PAPER) (UNLESS NOTED OTHERWISE)

TOM GOSSELIN BUILDER
SANBORNTON NH
603 455 0884

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STEVEN MELBOURNE DESIGN
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40 HOLMAN STREET, LACONIA, NH
(603) 293-7862

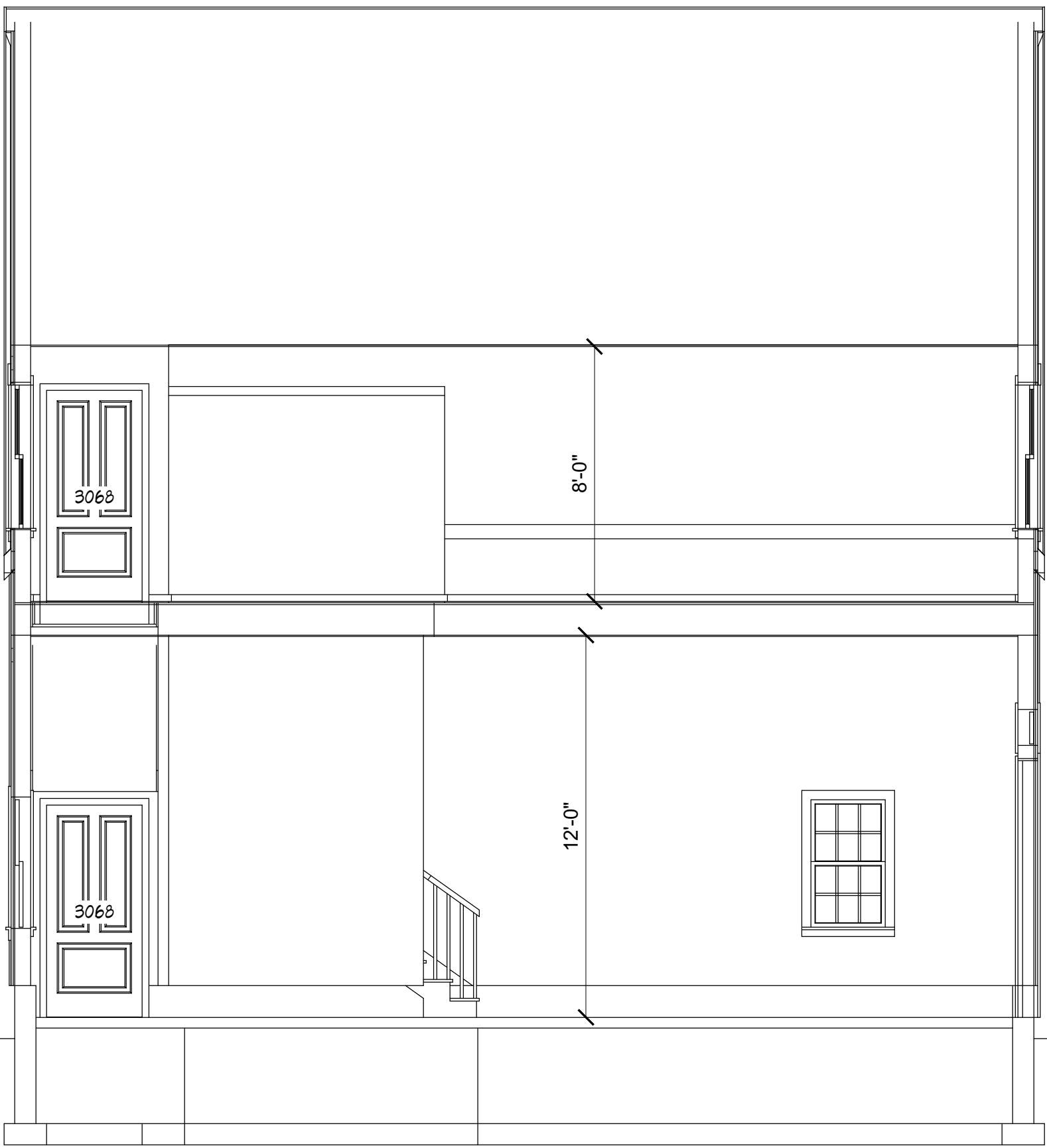
	1st Fl.	2nd Fl.	3rd Fl.
First Floor Living	1941	790	2121
Second Floor Living			
Total Living			
Front (Side) Porch	120	144	152
Screen Porch			
Basement Area			
Garage Area			

BANKS RESIDENCE
CIRCLE POINT ROAD
SANBORNTON,
NH 03269

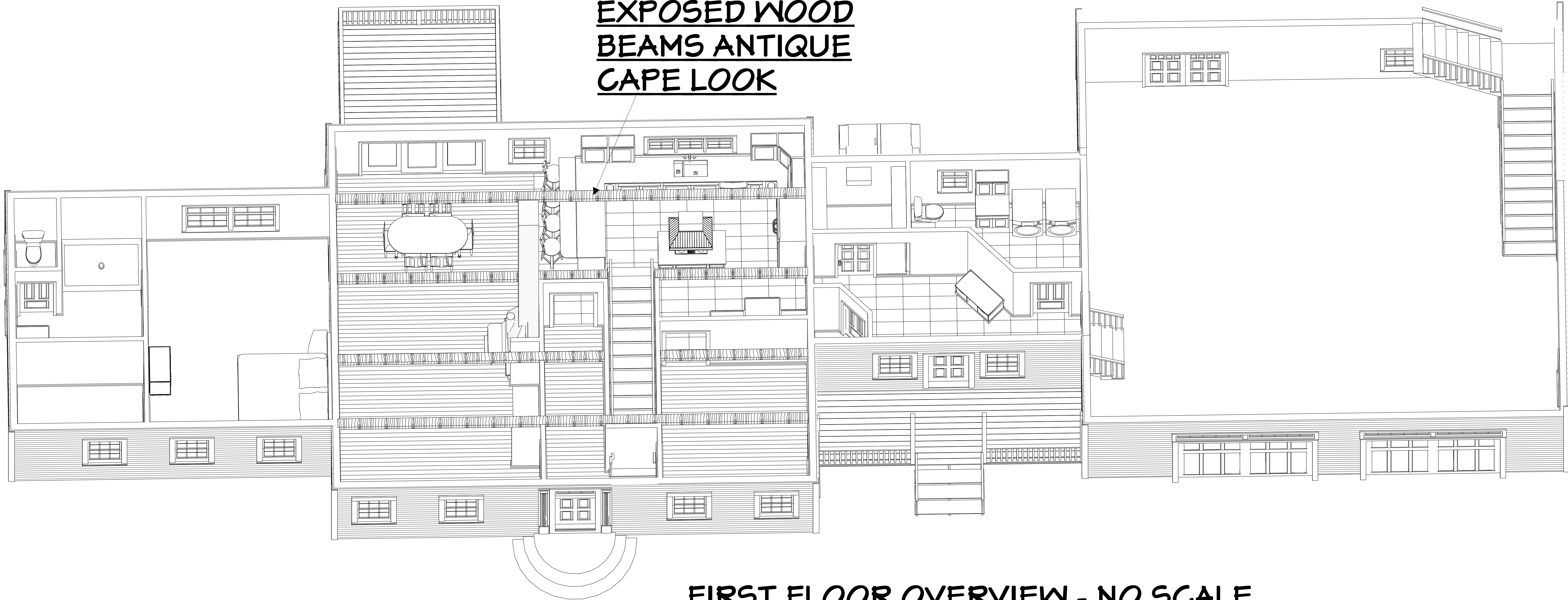
DATE: 03/17/22
PAGE:



MAIN HOUSE STAIRS CROSS SECTION



GARAGE STAIRS CROSS SECTION



FIRST FLOOR OVERVIEW - NO SCALE

(SCALE ACCURATE WHEN PRINTED ON 24" x 36" PAPER) (UNLESS NOTED OTHERWISE)

First Floor Living	1941	Sq. Ft.
Second Floor Living	790	Sq. Ft.
Total Living	2731	Sq. Ft.
Front (Side) Porch	120	Sq. Ft.
Screen Pch	144	Sq. Ft.
Basement Area	1902	Sq. Ft.
Garage Area	1152	Sq. Ft.

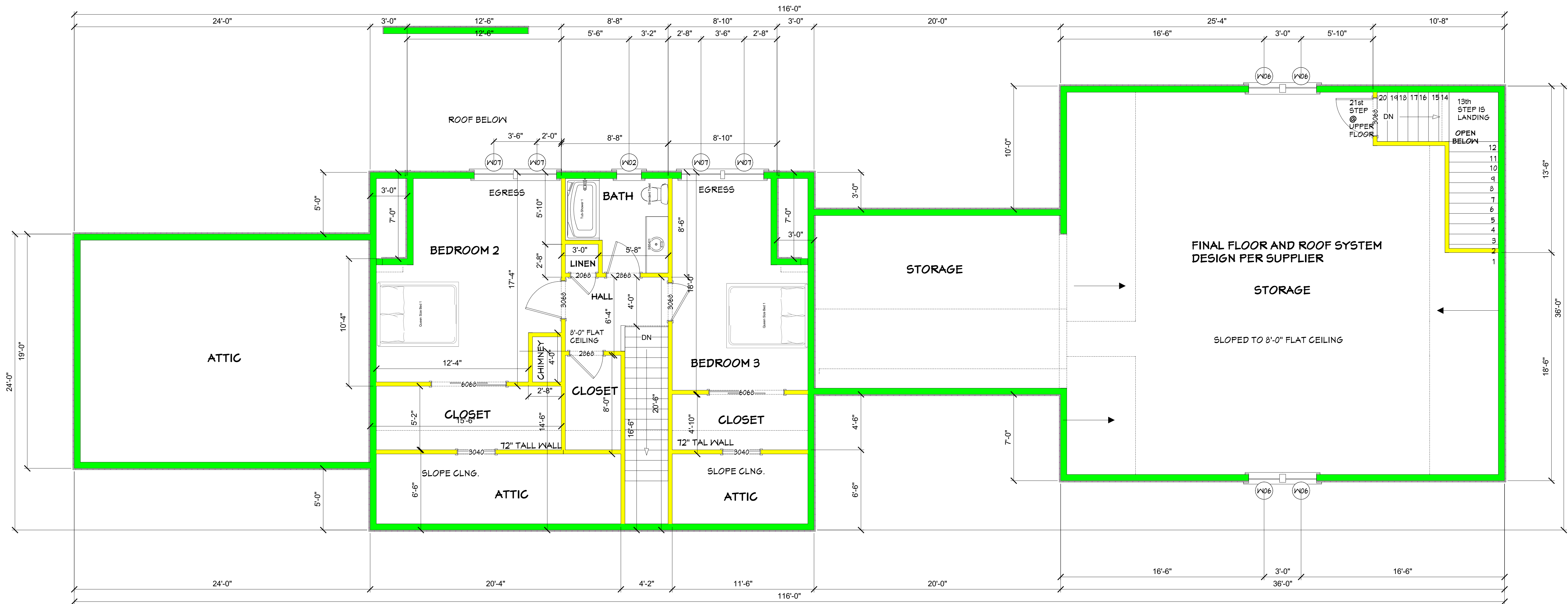
BANKS RESIDENCE
CIRCLE POINT ROAD
SANBORNTON,
NH 03269

DATE: 03/17/22
PAGE: 3

STEVEN MELBOURNE DESIGN
REMODELING - NEW CONSTRUCTION - ADDITIONS
40 HOLMAN STREET, LACONIA, NH
(603) 293-7862

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TOM GOSSELIN BUILDER
SANBORNTON NH
603 455 0884



SECOND FLOOR PLAN

(SCALE ACCURATE WHEN PRINTED ON 24" x 36" PAPER) (UNLESS NOTED OTHERWISE)

TOM GOSSELIN BUILDER
SANBORNTON NH
603 455 0884

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REMODELING - NEW CONSTRUCTION - ADDITIONS
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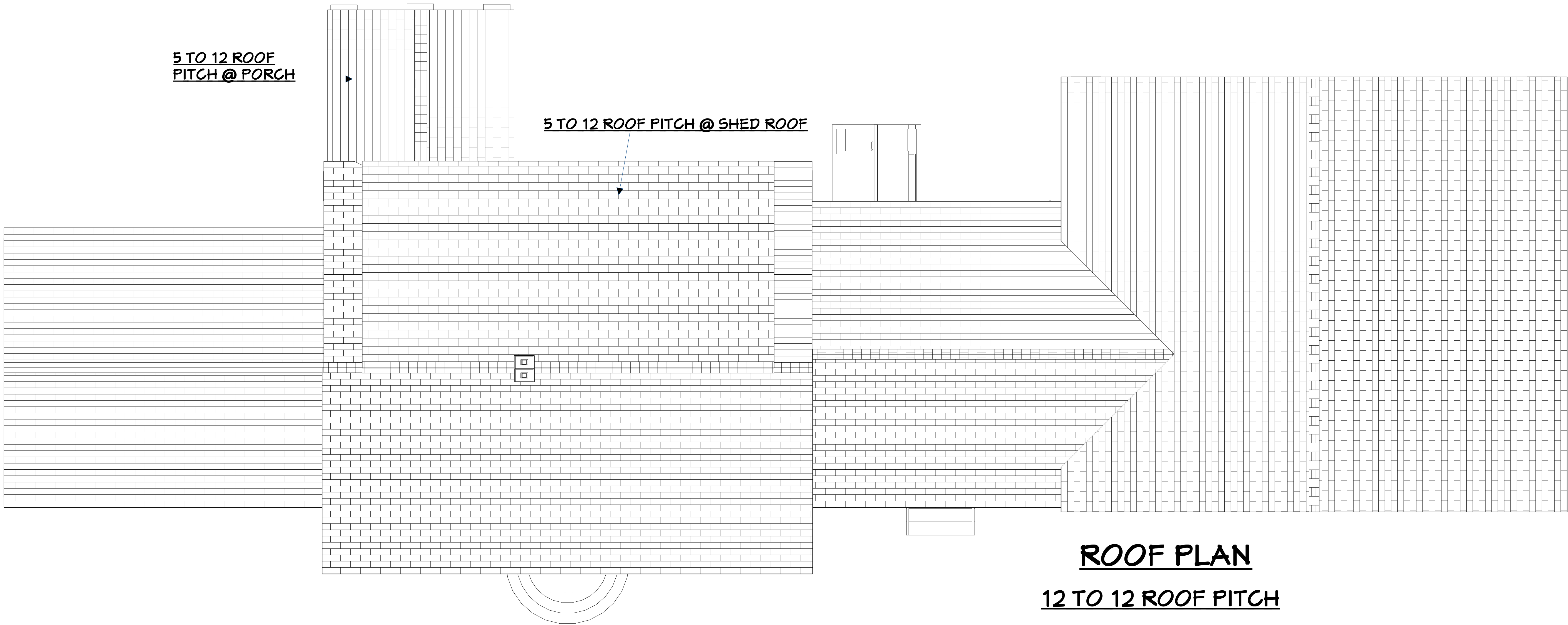
First Floor Living	1941	Sq. Ft.
Second Floor Living	790	Sq. Ft.
Total Living	2731	Sq. Ft.
Front (Side) Porch	120	Sq. Ft.
Screen Porch	144	Sq. Ft.
Basement Area	1902	Sq. Ft.
Garage Area	1152	Sq. Ft.

BANKS RESIDENCE
CIRCLE POINT ROAD
SANBORNTON,
NH 03269

DATE: 03/17/22
PAGE:



5



(SCALE ACCURATE WHEN
PRINTED ON 24" x 36" PAPER)

SCALE: 1/4" = 1'0"

BANKS RESIDENCE
CIRCLE POINT ROAD
SANBORNTON,
NH 03269

DATE: 03/17/22
PAGE

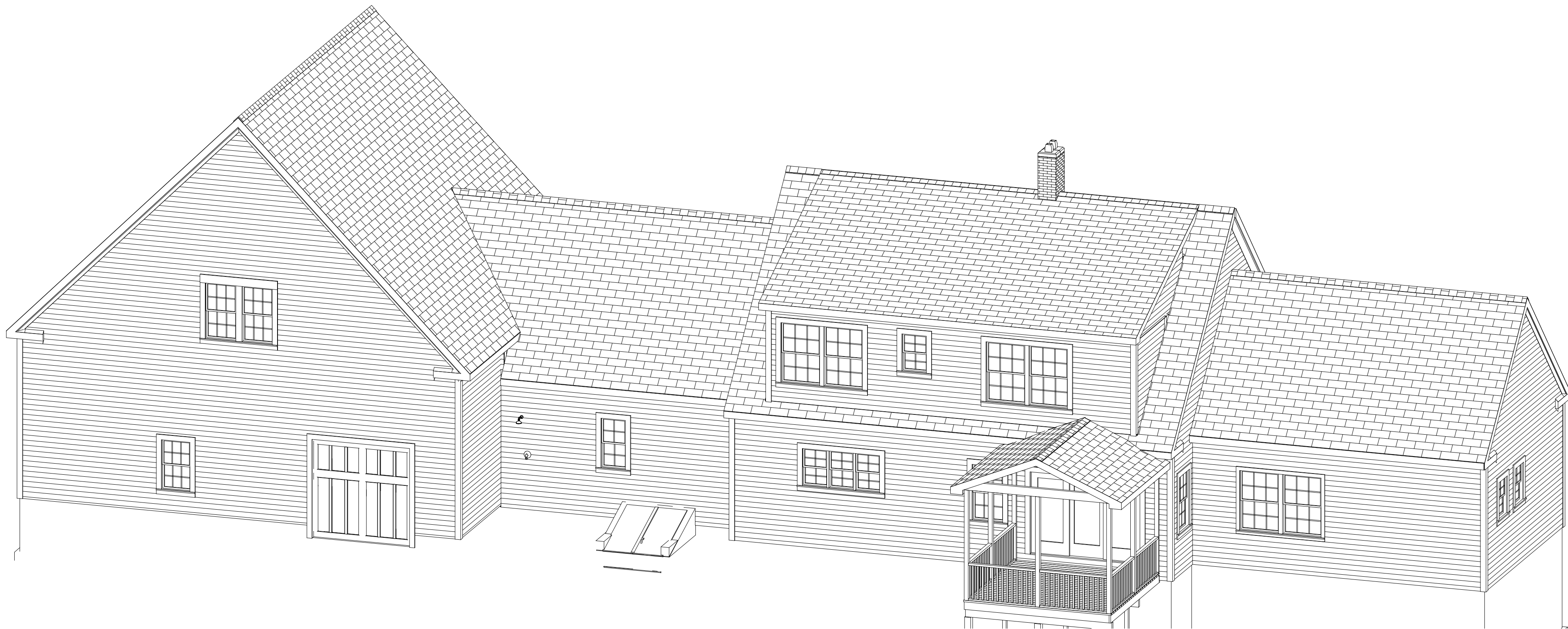
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STEVEN MELBOURNE DESIGN
REMODELING - NEW CONSTRUCTION - ADDITIONS
40 HOLMAN STREET, LACONIA, NH
(603) 293-7862

First Floor Living	1941	Sq. Ft.
Second Floor Living	790	Sq. Ft.
Total Living	2731	Sq. Ft.
Front (Side) Porch	120	Sq. Ft.
Screen Porch	144	Sq. Ft.
Basement Area	1902	Sq. Ft.
Garage Area	1152	Sq. Ft.

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TOM GOSSELIN BUILDER
SANBORNTON NH
603 455 0884



3-D VIEWS (NO SCALE)

(SCALE ACCURATE WHEN PRINTED ON 24" x 36" PAPER) (UNLESS NOTED OTHERWISE)

BANKS RESIDENCE
CIRCLE POINT ROAD
SANBORNTON,
NH 03269

DATE: 03/17/22
PAGE:

First Floor Living	1941	Sq. Ft.
Second Floor Living	790	Sq. Ft.
Total Living	2731	Sq. Ft.
Front (Side) Porch	120	Sq. Ft.
Screen Pdrch	144	Sq. Ft.
Basement Area	1902	Sq. Ft.
Garage Area	1152	Sq. Ft.

STEVEN MELBOURNE DESIGN
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TOM GOSSELIN BUILDER
SANBORNTON NH
603 455 0884



The State of New Hampshire
Department of Environmental Services

Robert R. Scott, Commissioner



SHORELAND IMPACT PERMIT 2021-03686

NOTE CONDITIONS

PERMITTEE: JEREMY BANKS
112 WATERFEAF PLACE
CLAYTON NC 27527

PROJECT LOCATION 88 CIRCLE POINT ROAD, SANBORNTON
TAX MAP #8, LOT #75

WATERBODY: HERMIT LAKE

APPROVAL DATE: JANUARY 07, 2022 **EXPIRATION DATE:** JANUARY 07, 2027

Shoreland Permit Application 2021-03686 has been found to meet or exceed the requirements of RSA 483-B as required per RSA 483-B:6, II. The New Hampshire Department of Environmental Services (NHDES) hereby issues this Shoreland Impact Permit with conditions pursuant to RSA 483-B:6, II.

PERMIT DESCRIPTION:

Impact 7,785 square feet of protected shoreland in order to construct a house, driveway and septic system.

Impervious Surface Percentage Approved: 19.9%

Natural Woodland Area Required per RSA 483-B:9,V, (b): 223 square feet

THE FOLLOWING PROJECT-SPECIFIC CONDITIONS HAVE BEEN APPLIED TO THE PERMIT PURSUANT TO ENV-WQ 1406.15(c):

1. All work shall be in accordance with revised plans by Bryan L. Bailey Associates, revision date December 29, 2021 and received by the New Hampshire Department of Environmental Services (NHDES) on January 3, 2022 pursuant to Env-Wq 1406.15(f).
2. Neither the new primary structure nor the proposed septic system may be constructed until the system is approved by the NHDES Subsurface Systems Bureau as required pursuant to RSA 483-B:6, I(c).
3. Within three days of final grading or temporary suspension of work in an area that is in or adjacent to wetlands or surface waters, all exposed soil areas shall be stabilized by seeding and mulching during the growing season, or if not within the growing season, by mulching with tack or netting and pinning on slopes steeper than 3:1 as required pursuant to RSA 483-B:9, V(d) Erosion and Siltation, (1).
4. This permit shall not be interpreted as acceptance or approval of any impact that will occur within wetlands jurisdiction regulated under RSA 482-A including all wetlands, surface waters and their banks, the tidal-buffer zone, and sand dunes. The owner is responsible for maintaining compliance with RSA 482-A and Administrative Rules Env-Wt 100 - 900 and obtaining any Wetland Impact Permit that may be required prior to construction, excavation or fill that will occur within Wetlands jurisdiction as required pursuant to RSA 483-B:6, I(b).
5. This permit shall not preclude NHDES from taking any enforcement or revocation action as authorized pursuant to 483-B:5, I, if NHDES later determines that any of the structures depicted as "existing" on the plans submitted by the applicant were not previously permitted or grandfathered.

www.des.nh.gov

29 Hazen Drive • PO Box 95 • Concord, NH 03302-0095

NHDES Main Line: (603) 271-3503 • Subsurface Fax: (603) 271-6683 • Wetlands Fax: (603) 271-6588

TDD Access: Relay NH 1 (800) 735-2964

THE FOLLOWING STANDARD PROJECT CONDITIONS SHALL BE MET PURSUANT TO ENV-WQ 1406.20:

1. Erosion and siltation control measures shall be installed prior to the start of work, be maintained throughout the project, and remain in place until all disturbed surfaces are stabilized.
2. Erosion and siltation controls shall be appropriate to the size and nature of the project and to the physical characteristics of the site, including slope, soil type, vegetative cover, and proximity to wetlands or surface waters.
3. No person undertaking any activity in the protected shoreland shall cause or contribute to, or allow the activity to cause or contribute to, any violations of the surface water quality standards established in Env-Wq 1700.
4. Any fill used shall be clean sand, gravel, rock, or other suitable material.
5. For any project where mechanized equipment will be used, orange construction fence shall be installed prior to the start of work at the limits of the temporary impact area as shown on the approved plans; be maintained throughout the project; and remain in place until all mechanized equipment has been removed from the site.

ANY INDIVIDUAL CONDUCTING WORK UNDER THIS PERMIT IS ADVISED OF THE FOLLOWING:

1. During construction, a copy of this permit should be posted on site in a prominent location visible to inspecting personnel.
2. This permit does not convey a property right, nor authorize any injury to property of others, nor invasion of rights of others.
3. Pursuant to Env-Wq 1406.21, transfer of this permit to a new owner requires notification to, and approval of, the NHDES.
4. This project has been screened for potential impact to **known** occurrences of protected species and exemplary natural communities in the immediate area. Since many areas have never been surveyed, or only cursory surveys have been performed, unidentified sensitive species or communities may be present. This permit does not absolve the permittee from due diligence in regard to state, local or federal laws regarding such communities or species. This permit does not authorize in any way the take of threatened or endangered species, as defined by RSA 212-A:2, or of any protected species or exemplary natural communities, as defined in RSA 217-A:3.

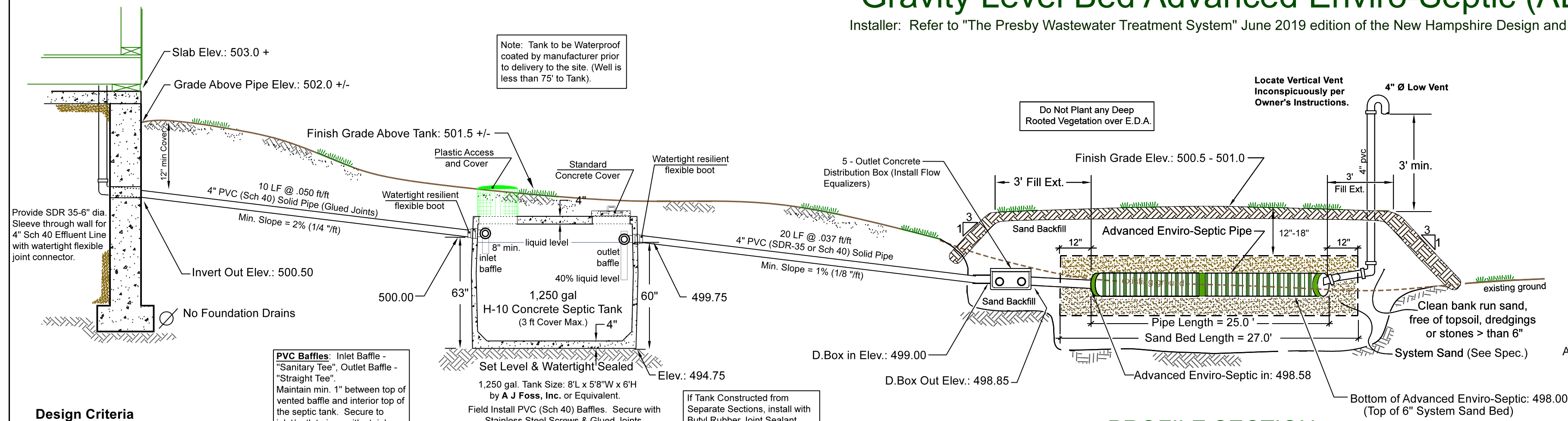
APPROVED:



Ryan A. Duquette
Shoreland/Shoreline Specialist, Shoreland Program
Wetlands Bureau, Land Resources Management
Water Division

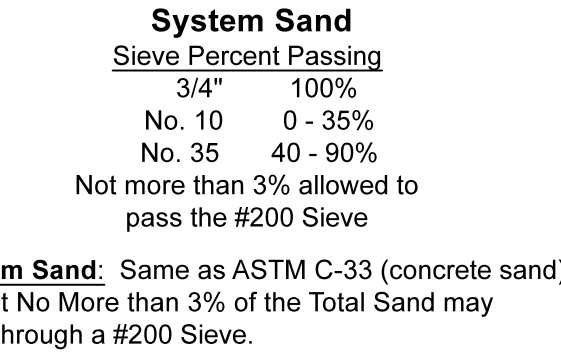
Gravity Level Bed Advanced Enviro-Septic (AES) Wastewater Treatment System

Installer: Refer to "The Presby Wastewater Treatment System" June 2019 edition of the New Hampshire Design and Installation Manual for Advanced Enviro-Septic Wastewater Treatment System



PROFILE SECTION

(NOT TO SCALE)



LEVEL BED CROSS SECTION

(NOT TO SCALE)

Project Notes

- Purpose of this Design:** Install a New Individual Sewage Disposal System (ISDS) for a Proposed 3 Bedroom Single Family Residence. Proposed ISDS to Consist of a 1,250 gal. Concrete Septic Tank and 225 If of Advanced Enviro-Septic Pipe. **Tank to be Waterproof Coated by Manufacturer prior to Delivery to Site.** EDA greater than 250' to Shoreline of Hermit Lake.
- Water Supply:** Proposed On-site Well. Protective Well Radii **Does** lie within Lot Lines or otherwise undevelopable land (roadway rights-of-way). (Recorded Well Release is Not Required) Proposed EDA is **more** than 75' to Well.
- Lot Description:** Tax Map 08, Lot 075. Area = 0.89 Ac. Lot (combination of Lots 20A & 21A) was Created by Subdivision - "Plummer Shores", dated Oct 1962, last revised Sept 1965 and Recorded in Plan Book 21, Page 1584 at Belknap County Registry of Deeds.
- Waivers Required:** None

Lot Loading Calculations

Total Area of Lot: 0.89 Acres

Unusable soils:
Area of Well Radius: 0.41 Ac.
Area of Wetlands: 0.06 Ac.
Area of steep slopes: 0.03 Ac.
Useable Soils:
22B Colton Gravelly Sandy Loam, Group 1
(apply Group 3 Factor due to Site conditions)
Group 3, 0-8% slopes, Factor: 1.60

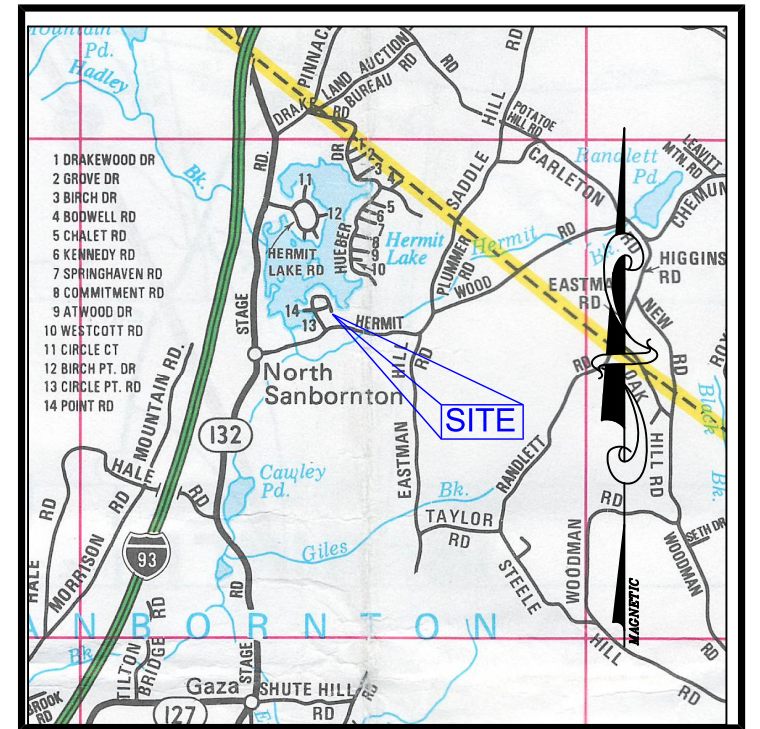
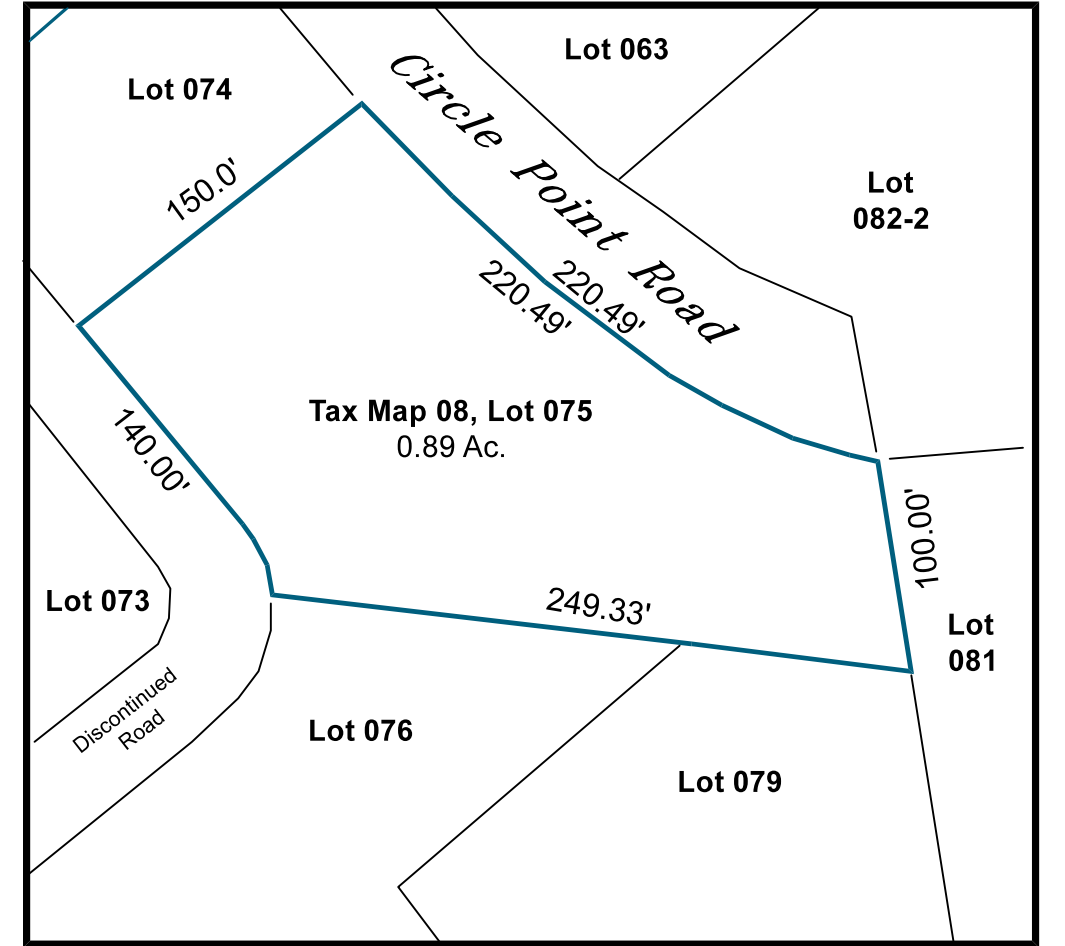
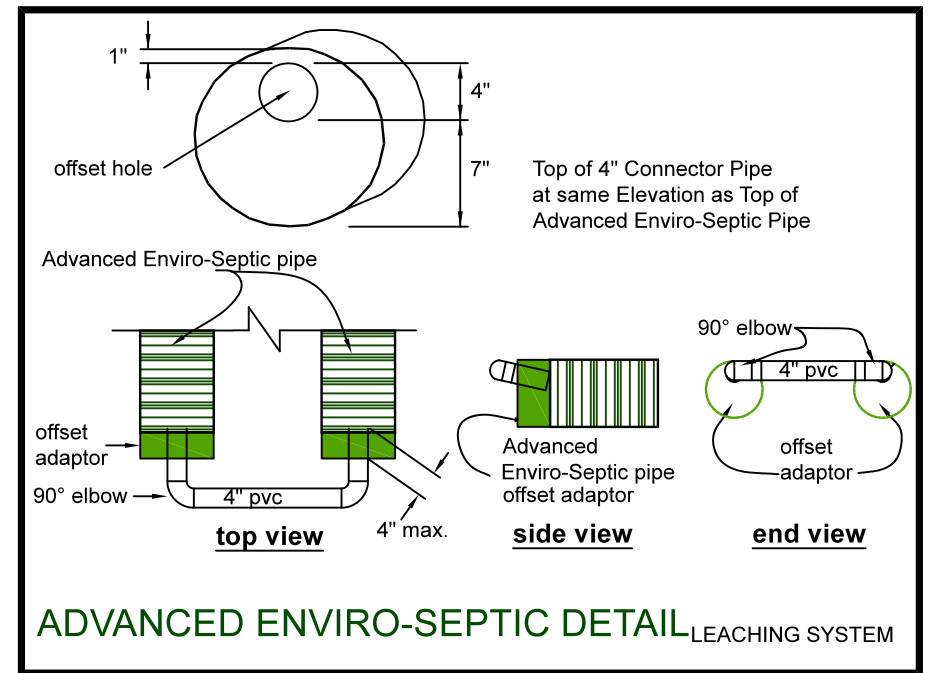
$A = Q/2000 \times \text{factor}$
 $Q = A(\text{useable}) \times 2000 / \text{factor}$
 $Q = 0.39 \text{ Ac} \times 2000 / 1.60 = 487 \text{ gpd}$
 $Q (\text{allowed}) = 487 \text{ gpd}$
 $487 \text{ gpd} > 450 \text{ gpd}$
 $Q (\text{allowed}) > Q (\text{actual})$

LEGEND

- Benchmark (Elev. Assumed)
- Soils Test Pit
- Well, Proposed or Existing as noted
- Layout Control Stakes (Swing ties)
- Dry Stone Wall
- Utility Pole
- Existing Contours - 1 ft intervals
- Finish Grade Contours - 1 ft intervals
- Wetlands as Delineated by Jessica J Bailey, CWS #260

NOTE:

A Boundary Survey was not conducted in conjunction with this Individual Sewage Disposal System (ISDS) design. Property lines shown are based on Owner's Description, recorded information and/or field evidence encountered. Property Lines shown are for determining system setbacks and lot loading calculations and are subject to confirmation by a Survey performed by a NH Licensed Surveyor.



Effluent Disposal System

Tax Map 08, Lot 75

Jeremy Banks
Circle Point Road
Sanbornton, NH

Granite State Septic Designs

Richard L. Lepene, P.E.
Granite State Septic Designs, LLC
636 West Main Street
PO Box 1190
Thompson, NH 03276-1190

NHDES SUBDIVISION
Approval No.: N/A pre'67
COUNTY: Belknap
DEED: 3092 / 1458
DATE: 01-19-2022
Revisions:
PROJECT No.: 20055

NEW HAMPSHIRE
Designer of
Subsurface Disposal
Systems
Richard L. Lepene
No. 111
Department of Environmental Services

© 2019 GRANITE STATE SEPTIC DESIGNS, LLC

GSSD PROJECT NO.: 20055

REVIEWED AND APPROVED
IN ACCORDANCE WITH THE
REQUIREMENTS OF THE
NH DEPT OF ENVIRONMENTAL SERVICES
WATER DIVISION

Eric Thomas
Date: 2/2/2022

#eCA2022020204

This Plan is NOT to be used for Installation
Without a NHDES "REVIEW AND APPROVED"
Stamp on the plans including a NHDES Construction
Approval Number AND signed and dated by the
NHDES Reviewer. Otherwise, plans are suitable for
Planning, Scheduling and Preliminary Estimating for
Construction Bidding Purposes. Be sure to have the
FINAL APPROVED PLANS in possession for Construction.

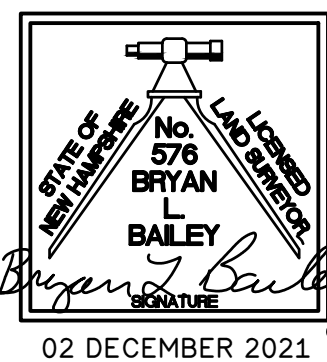
●	REBAR FND/SET	⚡	TEMPORARY BENCHMARK	Ⓢ	SEWER MAN HOLE
●	REBAR TO BE SET	⚡	PERMANENT BENCHMARK	Ⓢ	DRAIN MAN HOLE
⦿	DRILL HOLE FND/SET	⚡	WETLAND FLAG	Ⓢ	WELL
■	CONCRETE BND.FND/SET	⚡	WETLAND	Ⓢ	HYDRANT
□	CONC. BND. TO BE SET	⚡	TREE STUMP FOUND	Ⓢ	WATER SHUTOFF
■	GRANITE BND. FND/SET	⚡	PERCOLATION TEST	Ⓢ	GATE VALVE
■	STONE EMB. FOUND	⚡	TEST PIT	Ⓢ	CATCH BASIN
■	STAKE & STONE FND.	⚡	DECIDUOUS TREE	Ⓢ	UTILITY POLE
■	IRON ROD FOUND	⚡	CONIFEROUS TREE	Ⓢ	LIGHT POLE
■	IRON PIPE FOUND	⚡	SOIL TYPE ————	Ⓢ	GUY ANCHOR
★	SPIKE FND/SET	⚡	EDGE OF GRAVEL ROAD		
▲	MAGNAIL (PK) FND/SET				
▲	HUB & TACK FND/SET				

1. WETLAND DELINEATION MANUAL, TECHNICAL REPORT Y-87-1. 1987, UNITED STATES ARMY CORPS OF ENGINEERS. 1987.
2. REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL, NORTH CENTRAL & NORTHEAST REGION. (VERSION 2.0). U.S.A.C.E., 2011.
3. ADMINISTRATIVE RULES ENV-WT 100-900. SPECIFICALLY, DELINEATION AND CLASSIFICATION OF WETLANDS ENV-WT 301.01 - 301.02. NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES, CURRENT PUBLISHED VERSION.

AREA OF PROPOSED STRUCTURE = 3,235 SQ. FT.
AREA OF PROPOSED DRIVEWAY ON LOT = 850 SQ. FT.
AREA OF PROPOSED TEMPORARY IMPACTS = 3,700 SQ. FT.

Bryan L. Bailey
BRYAN L. BAILEY L.L.S. #576

DATE	REVISION	INITIALS
DATE 12/02/2021	JOB No. 3470	
DRAWN BY :BLB / JUB		
SCALE ; 1" = 30'		



1. THE PURPOSE OF THIS PLAN IS TO SHOW THE RESULTS OF A BOUNDARY RETRACEMENT SURVEY TO FIND THE LOT CORNERS TO TAX MAP 8 LOT 75 AS DESCRIBED IN DEED BOOK 3092 PAGE 172.
2. REFERENCE PLAN OF PLUMMER SHORES, SANBORNTON, NH. OWNED BY MAURICE HUEBER, SURVEY AND DESIGN BY T.W. CHESLEY ENGINEERING, PLAN DATED OCTOBER 1962, LAST REVISED SEPT. 1965 AND IS RECORDED AT THE BELKNAP COUNTY REGISTRY OF DEEDS AT PLAN BOOK 21 PAGE 1584.
3. STATUS OF VACATION DRIVE IS IDENTIFIED BY THE TOWN OF SANBORNTON TAX MAPS. NO OPINION GIVEN BY THIS SURVEYOR, BRYAN L. BAILEY.
4. LOCATION OF PROPOSED STRUCTURE AND IDIS SYSTEM BASED ON SEPTIC PLAN PREPARED BY RICHARD L. LEFENE, PE FOR THE PURPOSE OF A NHDES SHORELAND IMPACT PERMIT.

SHEET 1 OF 1

New Hampshire Residential Energy Code Application
for Certification of Compliance for New Construction, Additions and/or Renovations of
Detached One- and Two-family dwellings and multi-family dwellings (townhouses) not over 3 stories
EC-1 Form

Minimum Provisions from 2018 IRC Chapter 11

Effective Date: July 1, 2022

Owner/Owner Builder: Company Name: (if applicable)			General Contractor: Company Name:		
Name: <u>Jeremy Banks</u>			Name: <u>owner/self</u>		
Mail Address: <u>112 Waterleaf Pl</u>			Mail Address:		
Town/City: <u>Clayton</u>	State: <u>NC</u>	Zip: <u>27527</u>	Town/City:		State: Zip:
Phone: <u>919-810-4604</u>	Cell: <u>" "</u>		Phone:		Cell:
E-Mail: <u>banks.jeremy779@gmail.com</u>			E-Mail:		
Location of Proposed Structure:			Type of Construction:		
Tax Map #: <u>8</u> Lot #: <u>75</u>			<input checked="" type="radio"/> Residential <input type="radio"/> Small Commercial		
Street: <u>Circle Point Rd.</u>			<input checked="" type="radio"/> New Building <input type="radio"/> Renovation <input type="radio"/> Addition		
Town/City: <u>Sanbornton</u>		County: <u>Belknap</u>	<input type="radio"/> Thermally Isolated Sunroom		
Zone 5 <input type="radio"/> Cheshire, Hillsborough, Rockingham Strafford			<input type="radio"/> Modular Home: the site contractor must submit this form detailing supplementary rooms and Floor and/or Basement insulation unless the floor insulation is installed or provided by the manufacturer and no heated space is added.		
Zone 6 <input checked="" type="radio"/> All other NH counties and town of Durham			Total New Conditioned* Floor Area:		
			<u>2721</u> ft ²		
			Basement or Crawl Space type: (*a conditioned space is one being heated/cooled, containing uninsulated ducts or w/ a fixed opening into conditioned space. Walls must be insulated)		
			Conditioned? <input type="radio"/> Yes (Walls must be insulated) <input checked="" type="radio"/> No		
			<input checked="" type="checkbox"/> Full Basement <input type="checkbox"/> Walk Out Basement		
			<input type="checkbox"/> Slab on Grade <input type="checkbox"/> Other _____		
Structure is EXEMPT because:			Form Submitted by:		
<input type="checkbox"/> Mobile Home <input type="checkbox"/> On an historic register			<input checked="" type="checkbox"/> Owner <input type="checkbox"/> Builder <input type="checkbox"/> Other _____		

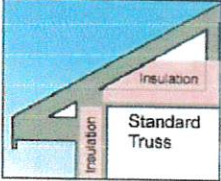
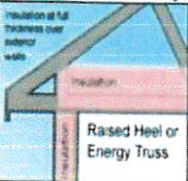
I hereby certify that all the information contained in this application is true and correct, and construction shall comply in all respects with the terms and specifications of the approval given by the local municipal code official or New Hampshire Department of Energy.

Signature [Signature] Print Name Jeremy Banks Date 2/20/24

Official Use Only	2/21/24	AJW	2/21/24
Date Complete Application Received:	Approved by: Date:		
Approval Number: 90100324	<div style="border: 2px solid black; padding: 5px; display: inline-block; color: red; font-weight: bold; font-size: 1.2em;"> Application Approved </div>		

Directions: Complete the "Your Proposed Structure" columns. No measurements or calculations are needed. Copies of plans are NOT needed. If you at least meet the Energy Code requirements, your project will be approved. Write N/A in any section that does not apply to your project. If your planned structure does meet these requirements, consider downloading REScheck <http://www.energycodes.gov/rescheck> to explore energy modelling options. Please submit pages 1,2 and 3 only.

YOUR PROPOSED STRUCTURE

Building Section	Required R or U Values	Write Planned R and U Values	Brands / Models / insulation type and thickness (if known)
Window U Factor (lower U is better)	U .30 (maximum) U-.32 (if log walls in Zone 5) U-.30 (if log walls in Zone 6) U .45 (Thermally Isolated Sunrooms only)	Write in U-Value R-3.57 U-.28	Check if <input type="checkbox"/> Sunroom <input type="checkbox"/> Log Walls
Skylights	U .55 (or less) U .70 (Thermally Isolated Sunrooms only)	None	
Flat Ceilingⁱ or Flat Ceiling with Raised or Energy Trusses R-value	 R-49 (Zone 5 or 6) if using the above construction technique R-49 if log walls	 R-38 (Zone 5 or 6) if maintaining the full R value over the plates R-49 if log walls	NOTE: R-38 will satisfy the requirement for R-49 if the full R-38 insulation value is maintained over the outside plates. If using only R-38 (Zone 5 or 6), you must certify that you will maintain R-38 over the plates by checking the box below. <input checked="" type="checkbox"/> By checking this box, I certify that this structure is being built with a raised energy truss or that the full R-value of the ceiling insulation will be maintained over the outside plates.
Sloped or Cathedral Ceiling	R-30 (Zone 5 & 6) if less than 500 ft sq or 20% of total ceiling area or as above R-24 (Thermally Isolated Sunrooms only)	Write in R-Value R-30	Check if <input type="checkbox"/> Sunroom
Above Grade Wallⁱⁱ R-value	Zone 5: R-20 Cavity Insulation only or R-13 plus R-5 Cavity plus Continuous Insulation R-13 (Thermally Isolated Sunrooms only)	Zone 6: R-20 plus R-5 Cavity plus Continuous Insulation or R-13 plus R-10 Cavity plus Continuous Insulation R-13 (Thermally Isolated Sunrooms only)	Log homes must comply with ICC400-2012, have an average minimum wall thickness of 5" or greater with specific gravity of ≤0.5 or 7" with specific gravity >0.5. Check if <input type="checkbox"/> Sunroom <input type="checkbox"/> Log Walls
Door U-Value	U .30 (maximum)	Write in U-Value .28	One opaque door in the thermal envelope is exempt from the U-factor requirement.
Floor R Value (e.g., floor over Basement or garage)	R-30 or Insulation sufficient to fill joist cavity minimum R-19	Write in R-Value R-30	If conditioning the basement you must insulate Basement Walls . If not, you may insulate either Floor or Basement Walls and Slab Edge (if ≤ 1' of grade)
Basement or Crawl Space Wall R Value	For both Zone 5 and Zone 6 R-19 Cavity Insulation or R-15 Continuous Insulation	Write in R-Value 0	Unconditioned Basement

Slab Edgeⁱⁱⁱ R Value	R-10 2' (Zone 5) 4' (Zone 6) (see drawing pg 3) <i>add R-5</i> if the Slab is heated or R-15 under entire heated slab if a log home.	Write in R-Value <i>R-10</i>	Check if <input type="checkbox"/> Heated Slab
Air Sealing	A blower door test is required . The test must demonstrate an air exchange rate of <i>three</i> Air Changes per Hour (ACH) or less @ 50 Pa.	Blower Door	If required by the code official, an approved third party may be required to conduct the blower door test.

Submit pages 1,2 and 3 to local municipal code official or NH Department of Energy at energycodes@energy.nh.gov
Phone: 603.271.3670 Fax: 603.271.3878