For Office Use Only

File Number		Application Fee	
Related File Number		Conservation Authority Fee	
Pre-consultation Meeting		Well & Septic Info Provided	
Application Submitted		Planner	
Complete Application		Public Notice Sign	

Check the type of planning application(s) you are submitting.

- ☐ Consent/Severance/Boundary Adjustment
- ☐ Surplus Farm Dwelling Severance and Zoning By-law Amendment
- ☒ Minor Variance
- ☐ Easement/Right-of-Way

Property Assessment Roll Number: 543 020 15600 0000

A. Applicant Information

Name of Owner Tim Rivard

It is the responsibility of the owner or applicant to notify the planner of any changes in ownership within 30 days of such a change.

Address 288 Hwy 24

Town and Postal Code Walsingham N0E 1X0

Phone Number

Cell Number 905 818 1951

Email timrivard@bobcatofhamilton.com
bobcatofhamilton.com

Name of Applicant As Above.

Address

Town and Postal Code

Phone Number

Cell Number

Email

Name of Agent _____

Address _____

Town and Postal Code _____

Phone Number _____

Cell Number _____

Email _____

Please specify to whom all communications should be sent. Unless otherwise directed, all correspondence and notices in respect of this application will be forwarded to the owner and agent noted above.

☒ Owner ☐ Agent ☒ Applicant

Names and addresses of any holder of any mortgagees, charges or other encumbrances on the subject lands:

CIBC Bank

B. Location, Legal Description and Property Information

1. Legal Description (include Geographic Township, Concession Number, Lot Number, Block Number and Urban Area or Hamlet):

   Norfolk S. Walsingham Lot 16 Con 4

   Municipal Civic Address: 288 Hwy 24 Walsingham N0E1X0

   Present Official Plan Designation(s): ~~Agricul.~~ Ag - Residential

   Present Zoning: A1

2. Is there a special provision or site specific zone on the subject lands?

   ☐ Yes ☒ No If yes, please specify:

3. Present use of the subject lands:

   Residential

4. Please describe **all existing** buildings or structures on the subject lands and whether they are to be retained, demolished or removed. If retaining the buildings or structures, please describe the type of buildings or structures, and illustrate the setback, in metric units, from front, rear and side lot lines, ground floor area, gross floor area, lot coverage, number of storeys, width, length, and height on your attached sketch which must be included with your application:

House + Shop

5. If an addition to an existing building is being proposed, please explain what it will be used for (for example a bedroom, kitchen, or bathroom). If new fixtures are proposed, please describe.

2 Extra bed Rooms + Living Space bath Rooms Living Room - for my mother and father in LAW

6. Please describe **all proposed** buildings or structures/additions on the subject lands. Describe the type of buildings or structures/additions, and illustrate the setback, in metric units, from front, rear and side lot lines, ground floor area, gross floor area, lot coverage, number of storeys, width, length, and height on your attached sketch which must be included with your application:

This is Attached ~ Adition with bed room

7. Are any existing buildings on the subject lands designated under the *Ontario Heritage Act* as being architecturally and/or historically significant? Yes ☐ No ☒

If yes, identify and provide details of the building:

8. If known, the length of time the existing uses have continued on the subject lands:

50 + years.

9. Existing use of abutting properties:

SAME Residial + NCC Property

10. Are there any easements or restrictive covenants affecting the subject lands?

☐ Yes ☒ No If yes, describe the easement or restrictive covenant and its effect:

C. Purpose of Development Application

Note: Please complete all that apply. **Failure to complete this section will result in an incomplete application.**

1. Site Information (Please refer to Zoning By-law to confirm permitted dimensions)

	Existing	Permitted	Provision	Proposed	Deficiency
Lot frontage	24M	13M		9M	4M
Lot depth					
Lot width					
Lot area					
Lot coverage					
Front yard	21M	13M		9M	4M
Rear yard	21.6M	9M		20.13M	0M
Height	4.9	11M		4.9 M	0m
Left Interior side yard	25.1m	3m		25.1m	0m
Right Interior side yard	32.9m	3m		21.6m	0m
Exterior side yard (corner lot)					
Parking Spaces (number)					
Aisle width					
Stall size					
Loading Spaces					
Other					

Grade To Roof Peak

2. Please explain why it is not possible to comply with the provision(s) of the Zoning By-law:
we would have to loose Part of the Project.
This is based on where the house is Located

3. **Consent/Severance/Boundary Adjustment**: Description of land intended to be severed in metric units:

N/A

Frontage: _____

Depth: _____

Width: _____

Lot Area: _____

Present Use: _____

Proposed Use: _____

Proposed final lot size (if boundary adjustment): _____

If a boundary adjustment, identify the assessment roll number and property owner of the lands to which the parcel will be added: _____

Description of land intended to be retained in metric units:

Frontage: _____

Depth: _____

Width: _____

Lot Area: _____

Present Use: _____

Proposed Use: _____

Buildings on retained land: _____

4. **Easement/Right-of-Way:** Description of proposed right-of-way/easement in metric units:

N/A

Frontage: _____

Depth: _____

Width: _____

Area: _____

Proposed Use: _____

5. **Surplus Farm Dwelling Severances Only:** List all properties in Norfolk County, which are owned and farmed by the applicant and involved in the farm operation

Owners Name: _____

Roll Number: _____

Total Acreage: _____

Workable Acreage: _____

Existing Farm Type: (for example: corn, orchard, livestock) _____

Dwelling Present?: ☐ Yes ☐ No If yes, year dwelling built _____

Date of Land Purchase: _____

Owners Name: _____

Roll Number: _____

Total Acreage: _____

Workable Acreage: _____

Existing Farm Type: (for example: corn, orchard, livestock) _____

Dwelling Present?: ☐ Yes ☐ No If yes, year dwelling built _____

Date of Land Purchase: _____

Owners Name: _____

Roll Number: _____

Total Acreage: _____

Workable Acreage: _____

Existing Farm Type: (for example: corn, orchard, livestock) _____

Dwelling Present?: ☐ Yes ☐ No If yes, year dwelling built _____

Date of Land Purchase: _____

Owners Name: _____

Roll Number: _____

Total Acreage: _____

Workable Acreage: _____

Existing Farm Type: (for example: corn, orchard, livestock) _____

Dwelling Present?: ☐ Yes ☐ No If yes, year dwelling built _____

Date of Land Purchase: _____

Owners Name: _____

Roll Number: _____

Total Acreage: _____

Workable Acreage: _____

Existing Farm Type: (for example: corn, orchard, livestock) _____

Dwelling Present?: ☐ Yes ☐ No If yes, year dwelling built _____

Date of Land Purchase: _____

Note: If additional space is needed please attach a separate sheet.

D. All Applications: Previous Use of the Property

1. Has there been an industrial or commercial use on the subject lands or adjacent lands? ☐ Yes ☒ No ☐ Unknown
   If yes, specify the uses (for example: gas station, or petroleum storage):
   _____
   _____
   _____

2. Is there reason to believe the subject lands may have been contaminated by former uses on the site or adjacent sites? ☐ Yes ☒ No ☐ Unknown

3. Provide the information you used to determine the answers to the above questions:
   _____
   _____

4. If you answered yes to any of the above questions in Section D, a previous use inventory showing all known former uses of the subject lands, or if appropriate, the adjacent lands, is needed. Is the previous use inventory attached? ☐ Yes ☐ No

E. All Applications: Provincial Policy

1. Is the requested amendment consistent with the provincial policy statements issued under subsection 3(1) of the *Planning Act, R.S.O. 1990, c. P. 13*? ☒ Yes ☐ No

   If no, please explain:

2. It is owner's responsibility to be aware of and comply with all relevant federal or provincial legislation, municipal by-laws or other agency approvals, including the Endangered Species Act, 2007. Have the subject lands been screened to ensure that development or site alteration will not have any impact on the habitat for endangered or threatened species further to the provincial policy statement subsection 2.1.7? ☐ Yes ☒ No

   If no, please explain:
   This is not needed on an addition - we are building on land that has been cleared for more than 50 years.

3. Have the subject lands been screened to ensure that development or site alteration will not have any impact on source water protection? ☐ Yes ☒ No

   If no, please explain:
   we are not on Source protected land

Note: If in an area of source water Wellhead Protection Area (WHPA) A, B or C please attach relevant information and approved mitigation measures from the Risk Manager Official.

4. All Applications: Are any of the following uses or features on the subject lands or within 500 metres of the subject lands, unless otherwise specified? Please check boxes, if applicable.

Livestock facility or stockyard (submit MDS Calculation with application)

☐ On the subject lands or ☐ within 500 meters – distance _____

Wooded area

☐ On the subject lands or ☒ within 500 meters – distance 21M

Municipal Landfill

☐ On the subject lands or ☐ within 500 meters – distance _____

Sewage treatment plant or waste stabilization plant

☐ On the subject lands or ☐ within 500 meters – distance _____

Provincially significant wetland (class 1, 2 or 3) or other environmental feature

☐ On the subject lands or ☒ within 500 meters – distance ~~[illegible]~~ = 120M

Floodplain

☐ On the subject lands or ☐ within 500 meters – distance _____

Rehabilitated mine site

☐ On the subject lands or ☐ within 500 meters – distance _____

Non-operating mine site within one kilometre

☐ On the subject lands or ☐ within 500 meters – distance _____

Active mine site within one kilometre

☐ On the subject lands or ☐ within 500 meters – distance _____

Industrial or commercial use (specify the use(s))

☐ On the subject lands or ☐ within 500 meters – distance _____

Active railway line

☐ On the subject lands or ☐ within 500 meters – distance _____

Seasonal wetness of lands

☐ On the subject lands or ☐ within 500 meters – distance _____

Erosion

☐ On the subject lands or ☐ within 500 meters – distance _____

Abandoned gas wells

☐ On the subject lands or ☐ within 500 meters – distance _____

F. All Applications: Servicing and Access

1. Indicate what services are available or proposed:

Water Supply

- ☐ Municipal piped water
- ☒ Individual wells
- ☐ Communal wells
- ☐ Other (describe below)

Sewage Treatment

- ☐ Municipal sewers
- ☒ Septic tank and tile bed in good working order
- ☐ Communal system
- ☐ Other (describe below)

Storm Drainage

- ☐ Storm sewers
- ☐ Other (describe below)
- ☒ Open ditches

2. Existing or proposed access to subject lands:

- ☒ Municipal road
- ☐ Unopened road
- ☐ Provincial highway
- ☐ Other (describe below)

Name of road/street:

G. All Applications: Other Information

1. Does the application involve a local business? ☐ Yes ☒ No

   If yes, how many people are employed on the subject lands?

2. Is there any other information that you think may be useful in the review of this application? If so, explain below or attach on a separate page.

H. Supporting Material to be submitted by Applicant

In order for your application to be considered complete, folded hard copies (number of paper copies as directed by the planner) and an **electronic version (PDF) of the site plan drawings, additional plans, studies and reports** will be required, including but not limited to the following details:

1. Concept/Layout Plan
2. All measurements in metric
3. Existing and proposed easements and right of ways
4. Parking space totals – required and proposed
5. All dimensions of the subject lands
6. Dimensions and setbacks of all buildings and structures
7. Location and setbacks of septic system and well from all existing and proposed lot lines, and all existing and proposed structures
8. Names of adjacent streets
9. Natural features, watercourses and trees

In addition, the following additional plans, studies and reports, including but not limited to, **may** also be required as part of the complete application submission:

☐ On-Site Sewage Disposal System Evaluation Form (to verify location and condition)

☐ Environmental Impact Study

☐ Geotechnical Study / Hydrogeological Review

☐ Minimum Distance Separation Schedule

☐ Record of Site Condition

Your development approval might also be dependent on Ministry of Environment Conservation and Parks, Ministry of Transportation or other relevant federal or provincial legislation, municipal by-laws or other agency approvals.

All final plans must include the owner's signature as well as the engineer's signature and seal.

I. Transfers, Easements and Postponement of Interest

The owner acknowledges and agrees that if required it is their solicitor's responsibility on behalf of the owner for the registration of all transfer(s) of land to the County, and/or transfer(s) of easement in favour of the County and/or utilities. Also, the owner further acknowledges and agrees that it is their solicitor's responsibility on behalf of the owner for the registration of postponements of any charges in favour of the County.

Permission to Enter Subject Lands

Permission is hereby granted to Norfolk County officers, employees or agents, to enter the premises subject to this application for the purposes of making inspections associated with this application, during normal and reasonable working hours.

Freedom of Information

For the purposes of the *Municipal Freedom of Information and Protection of Privacy Act*, I authorize and consent to the use by or the disclosure to any person or public body any information that is collected under the authority of the *Planning Act, R.S.O. 1990, c. P. 13* for the purposes of processing this application.

Tim Rivard — 4/12/24

Owner/Applicant/Agent Signature — Date

J. Owner's Authorization

If the applicant/agent is not the registered owner of the lands that is the subject of this application, the owner must complete the authorization set out below.

I/We Tim Rivard am/are the registered owner(s) of the lands that is the subject of this application.

I/We authorize TIM RIVARD to make this application on my/our behalf and to provide any of my/our personal information necessary for the processing of this application. Moreover, this shall be your good and sufficient authorization for so doing.

Tim Rivard — 4/12/24

Owner — Date

Owner — Date

***Note:** **If property is owned by an Ontario Ltd. Corporation, Articles of Incorporation are required to be attached to the application.**

GET /eSCL/ScannerStatus HTTP/1.1
Host: localhost

K. Declaration

I, Tim Rivard of Norfolk county

solemnly declare that:

all of the above statements and the statements contained in all of the exhibits transmitted herewith are true and I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of *The Canada Evidence Act*.

Declared before me at:

Simcoe

Owner/Applicant/Agent Signature

In Norfolk County

This 22nd day of May

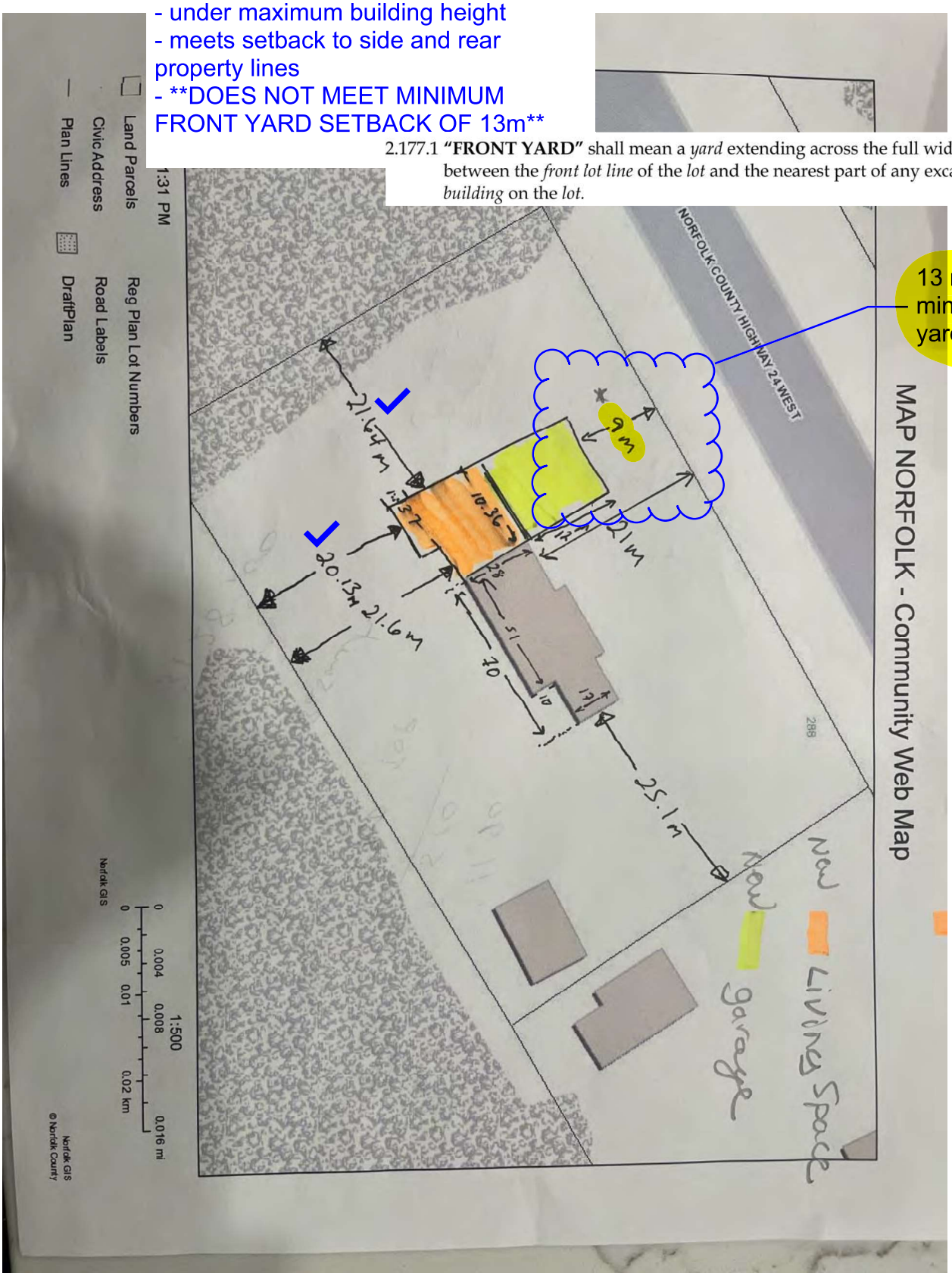
A.D., 2025

John Andrew Wallace, a Commissioner, etc., Province of Ontario, for the Corporation of Norfolk County. Expires January 16, 2027.

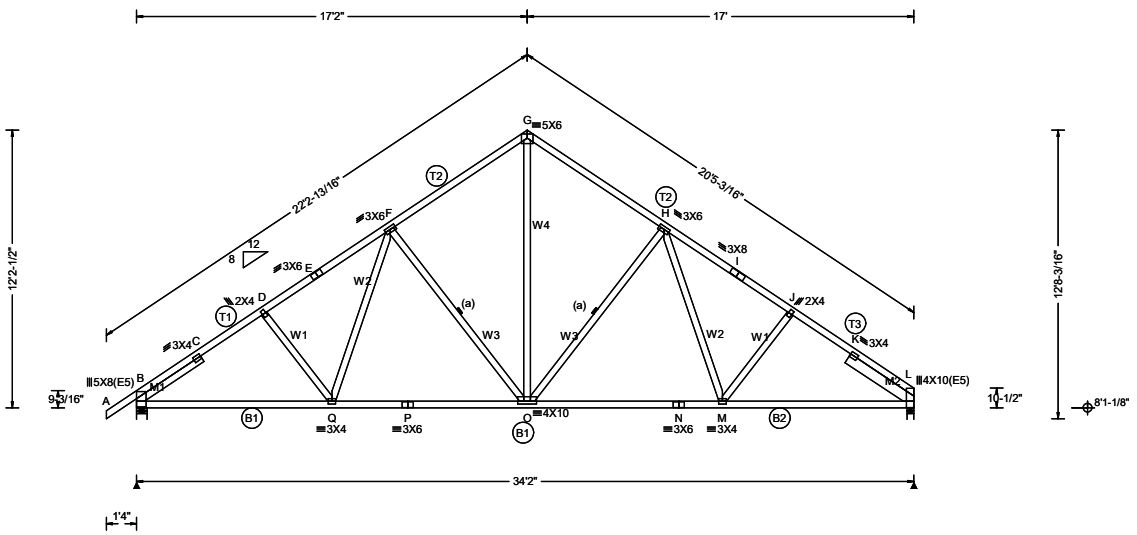
A Commissioner, etc.

ZONED AGR
PROPOSED HOUSE ADDITION
WITH ATTACHED GARAGE
- LPRCA not required, email on file
- under maximum building height
- meets setback to side and rear property lines
- **DOES NOT MEET MINIMUM FRONT YARD SETBACK OF 13m**

2.177.1 **"FRONT YARD"** shall mean a *yard* extending across the full width of the *lot* between the *front lot line* of the *lot* and the nearest part of any excavation or main *building* on the *lot*.



SEQN: 26151 / T4 / COMN FROM: JS	Ply: 1 Qty: 12 Wgt: 210.0 lbs	Q246709-2 Tim Rivard Option 2 A02	DRW: ... / ... 03/04/2024



Conforms To:	Loading Criteria (psf)	Wind Criteria	Defl/CSI Criteria
Bldg Code: NBCC 2015 Design Criteria: Residential TPIC Std: TPIC 2014 CSA Std: CSA 086-14	TCLL: 31.33 TCDL: 3.00 BCLL: 0.00 BCDL: 7.00	q: NA Ref Ht: NA Calc'd Int. Press: NA Exposure: NA BLDG Cat: NA Ceiling Attached: NA TCDL: NA BCDL: NA Duration of Load: NA	PP Deflection in loc L/defl L/D VERT(LL): 0.174 I 999 360 VERT(TL): 0.286 I 999 360 HORZ(LL): 0.087 E - - HORZ(TL): 0.144 E - 1.00 Creep Factor: 1.0 Overhang: Non-removable Max TC CSI: 0.54 Max BC CSI: 0.55 Max Web CSI: 0.42
Ground Snow Load: 41.78 Rain Load: 8.35 Cb: 0.55 Cs: 1.00 Cw: 1.00 If: 1.00 Slippery Roof: N/A Wind Exposed: N/A	Des Ld: 41.33 Lumber Duration: 1.00 Plate Duration: 1.00 Spacing: 24.0 " Load Sharing: Yes	PT/IT/RT: 4sx/10%/ 5 deg Standard Pressed Plate Type: Wave-Canada	VIEW Ver: 23.02.02.1214.21

Lumber

Top Chord: 2x4 SPF #1/#2;
Bot Chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;
Lt Slider: 2x4 SPF #1/#2; block length = 3.434'
Rt Slider: 2x6 SPF 1650Fb-1.5E; block length = 3.462'

Bracing

(a)1x4 SPF #3 or better continuous lateral bracing to be eq. spaced. Attach w/(2) 2.5" nails. Bracing material supplied & attached @ both ends to a suitable support by Erection Contractor.

Plating Notes

See A-100, Specification Note 7.E for standard plate positioning.

Plates designed for fabrication using seasoned lumber.

Additional Notes

Interaction equation as per Clause 6.5.13 of CSA-O86-14.

Note: This truss design conforms to OBC 2012 O.REG. 88/19.

This truss design conforms to BCBC 2018, NBC-2019 Alberta Edition, OBC 2012 O.RE G. 88/19.

▲Bearing Locations

Loc	Ht	/ W	/ Min Req	/ Ctrl
B	8'1-1/8"	5-1/2"	/ 3"	/ Truss
L	8'1-1/8"	3-1/2"	/ 2-3/16"	/ Truss

Bearings B & L are a rigid surface.

▲Bearing Reactions (lbs)

Loc	/ S	/ L	/ D	/ F	/ Hz	/ U
B	/ 1155	/ 0	/ 349	/ 2170	/ 0	/
L	/ 1068	/ 0	/ 341	/ 2030	/ 0	/

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	75	0	G - H	0	- 1971
B - C	0	- 2981	H - I	0	- 2481
C - D	0	- 2826	I - J	0	- 2616
D - E	0	- 2647	J - K	0	- 2785
E - F	0	- 2512	K - L	0	- 2947
F - G	0	- 1970			

Maximum Bot Chord Forces Per Ply (lbs)

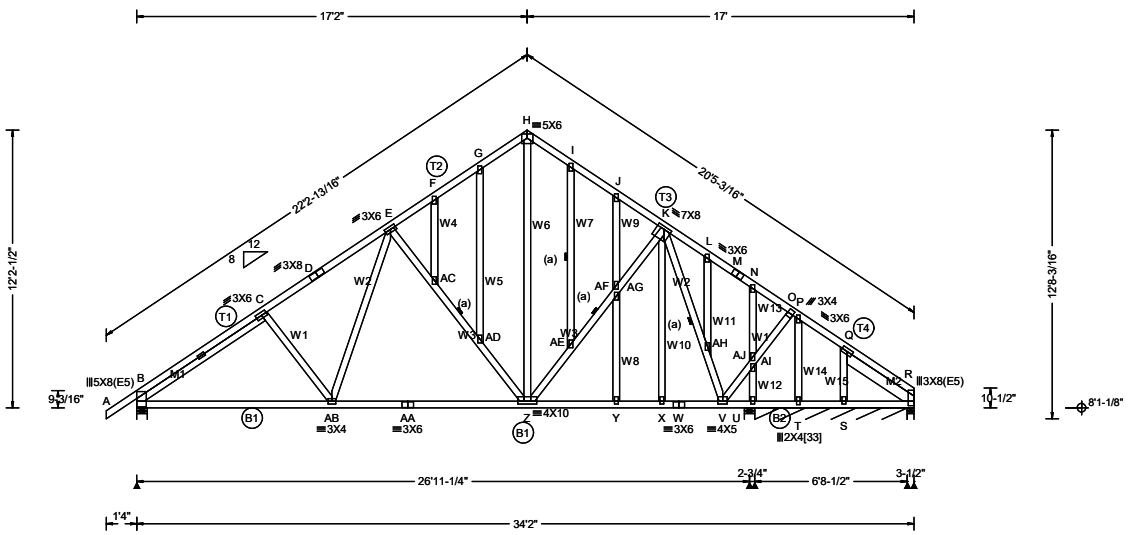
Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - Q	2272	0	O - N	1971	0
Q - P	1981	0	N - M	1971	0
P - O	1981	0	M - L	2224	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - Q	0	- 291	O - H	0	- 820
Q - F	387	0	H - M	348	0
F - O	0	- 838	M - J	0	- 247
G - O	1469	0			

THIS DRAWING MUST BE REVIEWED BY A REGISTERED PROFESSIONAL ENGINEER BEFORE USE.
SEE A100 FOR GENERAL NOTES, IMPORTANT SPECIFICATIONS AND WARNINGS. CCMC #12182-L, 12802-L, 13124-L
THIS DWG PREPARED FROM COMPUTER IMPUT (LOADS AND DIMENSIONS) SUBMITTED BY TRUSS MFR

SEQN: 26163 / T3 / GABL	Ply: 1	Q246709-2	
FROM: JS	Qty: 1	Tim Rivard Option 2	DRW:
Page 1 of 2	Wgt: 295.4 lbs	GE02	... / ... 03/04/2024



Conforms To:	Loading Criteria (psf)	Wind Criteria	Defl/CSI Criteria
Bldg Code: NBCC 2015	TCLL: 31.33	q: NA	PP Deflection in loc L/defl L/D
Design Criteria: Residential	TCDL: 3.00	Ref Ht: NA	VERT(LL): 0.211 G 999 360
TPIC Std: TPIC 2014	BCLL: 0.00	Calc'd Int. Press: NA	VERT(TL): 0.351 G 925 360
CSA Std: CSA 086-14	BCDL: 7.00	Exposure: NA	HORZ(LL): 0.110 G - -
Ground Snow Load: 41.78	Des Ld: 41.33	BLDG Cat: NA	HORZ(TL): 0.183 G - 1.00
Rain Load: 8.35	Lumber Duration: 1.00	Ceiling Attached: NA	Creep Factor: 1.0
Cb: 0.55	Plate Duration: 1.00	TCDL: NA	Overhang: Non-removable
Cs: 1.00	Spacing: 24.0 "	BCDL: NA	Max TC CSI: 0.81
Cw: 1.00	Load Sharing: Varies by Ld Case	Duration of Load: NA	Max BC CSI: 0.43
If: 1.00			Max Web CSI: 0.79
Slippery Roof: N/A	PT/IT/RT: 4sx/10%/ 5 deg Standard Pressed		VIEW Ver: 23.02.02.1214.21
Wind Exposed: N/A	Plate Type: Wave-Canada		

Lumber

Top Chord: 2x4 SPF #1/#2;
T2 2x4 SPF 2100Fb-1.8E;
Bot Chord: 2x4 SPF 2100Fb-1.8E;
B2 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;
Lt Slider: 2x4 SPF #1/#2; block length = 6.674'
Rt Slider: 2x6 SPF 1650Fb-1.5E; block length = 3.661'

Bracing

(a)1x4 SPF #3 or better continuous lateral bracing to be eq. spaced. Attach w/(2) 2.5" nails. Bracing material supplied & attached @ both ends to a suitable support by Erection Contractor.

Plating Notes

See A-100, Specification Note 7.E for standard plate positioning.

Plates designed for fabrication using seasoned lumber.

All plates are 2X4 except as noted.

Plate Shift Table

JT No	Plate Size	Lateral Shift	Chord Bite	JT No	Plate Size	Lateral Shift	Chord Bite
[33]	2X4	S	1.75				

Loading

Truss designed to support 1-3-15 top chord outlookers and cladding load not to exceed 3.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

Additional Notes

Interaction equation as per Clause 6.5.10 of CSA-O86-14.

Note: This truss design conforms to OBC 2012 O.REG. 88/19.

This truss design conforms to BCBC 2018, NBC-2019 Alberta Edition, OBC 2012 O.RE G. 88/19.

Warning A factored uplift reaction of -61# occured on a non-wind load case. Spec. connection or hanger is required.

Warning: Component is designed to bear at specific locations.

▲Bearing Locations

Loc	Ht	/ W	/ Min Req	/ Ctrl
B	8'1-1/8"	5-1/2"	/ 2-13/16"	/ Truss
U	8'1-1/8"	5-1/2"	/ 1-9/16"	/ Truss
U	8'1-1/8"	6'8-1/2"	-	/ Truss
R	8'1-1/8"	3-1/2"	/ 1-1/2"	/ Truss

Bearings B, U, U, & R are a rigid surface.

▲Bearing Reactions (lbs)

Loc	/ S	/ L	/ D	/ F	/ Hz	/ U
B	/ 1326	/ 0	/ 486	/ 2598	/ 0	/
U	/ 696	/ 0	/ 303	/ 1424	/ 0	/
U	/ 956	/ 0	/ 394	/ 287	/ 0	/
R	/ 127	/ 0	/ 17	/ 212	/ 0	/

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	104	0	J - K	0	- 1868
B - C	0	- 3541	K - L	0	- 912
C - D	0	- 3062	L - M	0	- 1025
D - E	0	- 2839	M - N	0	- 1093
E - F	0	- 2030	N - O	0	- 785
F - G	0	- 1836	O - P	0	- 710
G - H	0	- 1723	P - Q	195	- 108
H - I	0	- 1754	Q - R	230	- 246
I - J	0	- 1845			

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AB	2695	0	W - V	1297	0
AB-AA	2202	0	V - U	68	- 105
AA- Z	2202	0	U - T	35	- 124
Z - Y	1316	0	T - S	50	- 112
Y - X	1307	0	S - R	71	- 111
X - W	1297	0			

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C -AB	0	- 548	J -AG	0	- 319
AB- E	508	0	AG- K	325	- 139
E -AC	0	- 1243	X - K	459	0
AC- F	16	- 3	K -AH	0	- 1776
AC-AD	0	- 1230	AH- L	33	- 20
AD- G	0	- 154	AH- V	0	- 1779

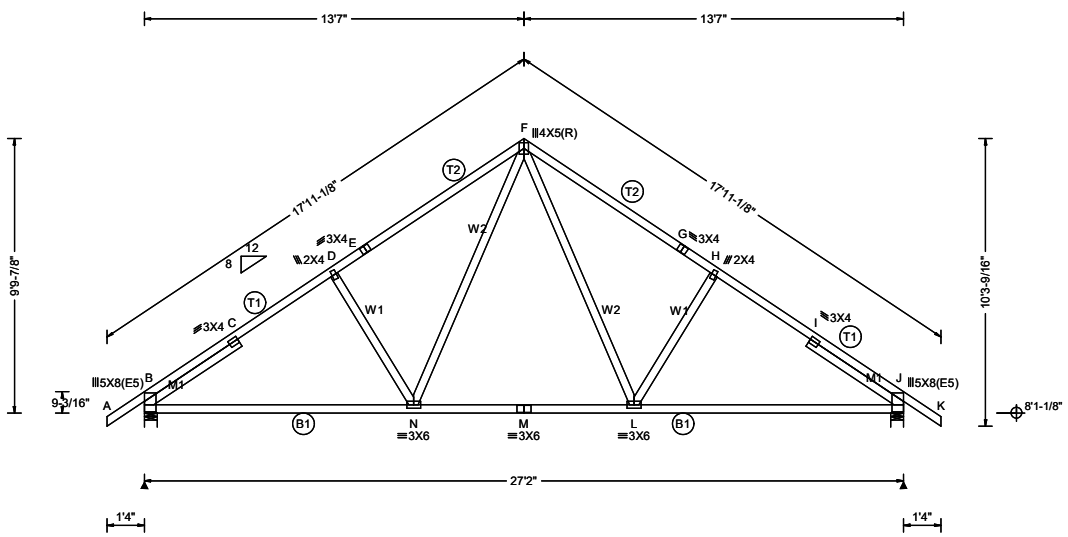
THIS DRAWING MUST BE REVIEWED BY A REGISTERED PROFESSIONAL ENGINEER BEFORE USE.
SEE A100 FOR GENERAL NOTES, IMPORTANT SPECIFICATIONS AND WARNINGS. CCMC #12182-L, 12802-L, 13124-L
THIS DWG PREPARED FROM COMPUTER IMPUT (LOADS AND DIMENSIONS) SUBMITTED BY TRUSS MFR

SEQN: 26163 / T3 / GABL FROM: JS Page 2 of 2	Ply: 1 Qty: 1 Wgt: 295.4 lbs	Q246709-2 Tim Rivard Option 2 GE02	DRW: ... / ... 03/04/2024

AD- Z	0	- 1351	V -AI	1504	0
H - Z	1251	0	AI- U	0	- 1032
Z -AE	315	- 200	AI-AJ	725	0
I -AE	0	- 192	N -AJ	0	- 805
AE-AF	317	- 115	AJ- O	1356	0
AF- Y	0	- 375	T - P	0	- 1684
AF-AG	313	- 273	S - Q	0	- 312

THIS DRAWING MUST BE REVIEWED BY A REGISTERED PROFESSIONAL ENGINEER BEFORE USE.
SEE A100 FOR GENERAL NOTES, IMPORTANT SPECIFICATIONS AND WARNINGS. CCMC #12182-L, 12802-L, 13124-L
THIS DWG PREPARED FROM COMPUTER IMPUT (LOADS AND DIMENSIONS) SUBMITTED BY TRUSS MFR

SEQN: 29236 / T1 / COMN FROM: JS	Ply: 1 Qty: 3 Wgt: 151.2 lbs	Q246709-2 Tim Rivard Option 2 A01	DRW: ... / ... 03/04/2024



Conforms To:	Loading Criteria (psf)	Wind Criteria	Defl/CSI Criteria
Bldg Code: NBCC 2015 Design Criteria: Residential TPIC Std: TPIC 2014 CSA Std: CSA 086-14	TCLL: 31.33 TCDL: 3.00 BCLL: 0.00 BCDL: 7.00	q: NA Ref Ht: NA Calc'd Int. Press: NA Exposure: NA BLDG Cat: NA Ceiling Attached: NA TCDL: NA BCDL: NA Duration of Load: NA	PP Deflection in loc L/defl L/D VERT(LL): 0.168 G 999 360 VERT(TL): 0.274 G 999 360 HORZ(LL): 0.099 E - - HORZ(TL): 0.161 E - 1.00 Creep Factor: 1.0 Overhang: Non-removable Max TC CSI: 0.67 Max BC CSI: 0.44 Max Web CSI: 0.24
Ground Snow Load: 41.78 Rain Load: 8.35 Cb: 0.55 Cs: 1.00 Cw: 1.00 If: 1.00 Slippery Roof: N/A Wind Exposed: N/A	Des Ld: 41.33 Lumber Duration: 1.00 Plate Duration: 1.00 Spacing: 24.0 " Load Sharing: Yes	PT/IT/RT: 4sx/10%/ 5 deg Standard Pressed Plate Type: Wave-Canada	VIEW Ver: 23.02.02.1214.21

Lumber

Top Chord: 2x4 SPF #1/#2;
Bot Chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;
Lt Slider: 2x4 SPF #1/#2; block length = 4.076'
Rt Slider: 2x4 SPF #1/#2; block length = 4.076'

Plating Notes

See A-100, Specification Note 7.E for standard plate positioning.

Plates designed for fabrication using seasoned lumber.

Additional Notes

Interaction equation as per Clause 6.5.13 of CSA-O86-14.

Note: This truss design conforms to OBC 2012 O.REG. 88/19.

This truss design conforms to BCBC 2018, NBC-2019 Alberta Edition, OBC 2012 O.RE G. 88/19.

▲Bearing Locations

Loc	Ht	/ W	/ Min Req	/ Ctrl
B	8'1-1/8"	5-1/2"	/ 1-5/8"	/ Truss
J	8'1-1/8"	5-1/2"	/ 1-5/8"	/ Truss

Bearings B & J are a rigid surface.

▲Bearing Reactions (lbs)

Loc	/ S	/ L	/ D	/ F	/ Hz	/ U
B	/ 934	/ 0	/ 279	/ 1751	/ 0	/
J	/ 934	/ 0	/ 279	/ 1751	/ 0	/

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	75	0	F - G	0	- 1861
B - C	0	- 2272	G - H	0	- 1928
C - D	0	- 2099	H - I	0	- 2099
D - E	0	- 1928	I - J	0	- 2272
E - F	0	- 1861	J - K	75	0

Maximum Bot Chord Forces Per Ply (lbs)

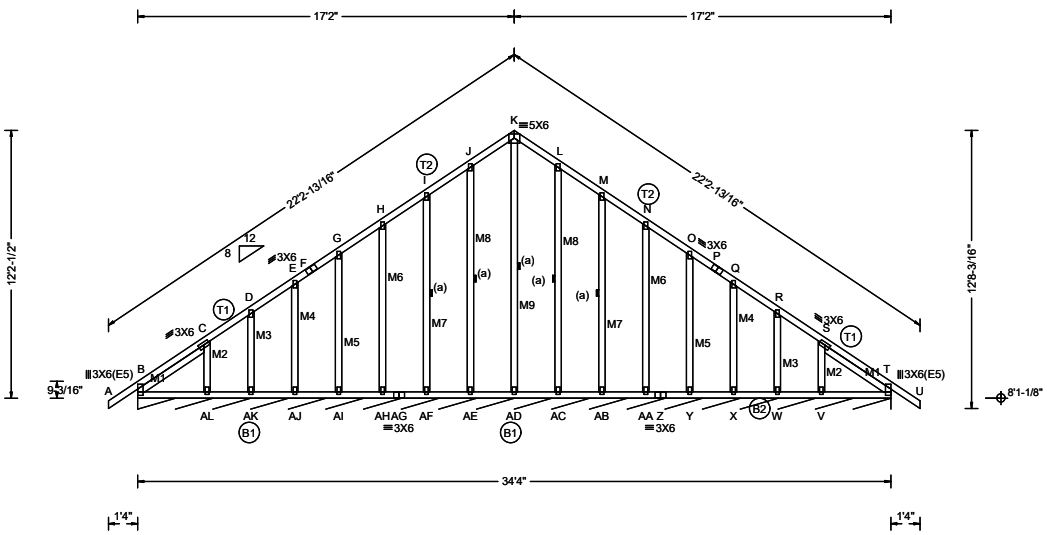
Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - N	1717	0	M - L	1142	0
N - M	1142	0	L - J	1717	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
D - N	0	- 591	F - L	711	0
N - F	711	0	L - H	0	- 591

THIS DRAWING MUST BE REVIEWED BY A REGISTERED PROFESSIONAL ENGINEER BEFORE USE.
SEE A100 FOR GENERAL NOTES, IMPORTANT SPECIFICATIONS AND WARNINGS. CCMC #12182-L, 12802-L, 13124-L
THIS DWG PREPARED FROM COMPUTER IMPUT (LOADS AND DIMENSIONS) SUBMITTED BY TRUSS MFR

SEQN: 26145 / T8 / GABL FROM: JS	Ply: 1 Qty: 1 Wgt: 282.8 lbs	Q246709-2 Tim Rivard Option 2 GE03	DRW: ... / ... 03/04/2024



Conforms To:	Loading Criteria (psf)	Wind Criteria	Defl/CSI Criteria
Bldg Code: NBCC 2015 Design Criteria: Residential TPIC Std: TPIC 2014 CSA Std: CSA 086-14	TCLL: 31.33 TCDL: 3.00 BCLL: 0.00 BCDL: 7.00	q: NA Ref Ht: NA Calc'd Int. Press: NA Exposure: NA BLDG Cat: NA Ceiling Attached: NA TCDL: NA BCDL: NA Duration of Load: NA	PP Deflection in loc L/defl L/D VERT(LL): 0.002 P 999 360 VERT(TL): 0.004 P 999 360 HORZ(LL): 0.001 F - - HORZ(TL): 0.001 F - 1.00 Creep Factor: 1.0 Overhang: Non-removable Max TC CSI: 0.13 Max BC CSI: 0.03 Max Web CSI: 0.13
Ground Snow Load: 41.78 Rain Load: 8.35 Cb: 0.55 Cs: 1.00 Cw: 1.00 If: 1.00 Slippery Roof: N/A Wind Exposed: N/A	Des Ld: 41.33 Lumber Duration: 1.00 Plate Duration: 1.00 Spacing: 24.0 " Load Sharing: Yes	PT/IT/RT: 4sx/10%/ 5 deg Standard Pressed Plate Type: Wave-Canada	VIEW Ver: 23.02.02.1214.21

Lumber

Top Chord: 2x4 SPF #1/#2;
Bot Chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;
Lt Slider: 2x4 SPF #1/#2; block length = 3.699'
Rt Slider: 2x4 SPF #1/#2; block length = 3.699'

Bracing

(a)1x4 SPF #3 or better continuous lateral bracing to be eq. spaced. Attach w/(2) 2.5" nails. Bracing material supplied & attached @ both ends to a suitable support by Erection Contractor.

Plating Notes

See A-100, Specification Note 7.E for standard plate positioning.

Plates designed for fabrication using seasoned lumber.

All plates are 2X4 except as noted.

Additional Notes

Interaction equation as per Clause 6.5.10 of CSA-O86-14.

Note: This truss design conforms to OBC 2012 O.REG. 88/19.

This truss design conforms to BCBC 2018, NBC-2019 Alberta Edition, OBC 2012 O.RE G. 88/19.

▲ Bearing Locations

Loc	Ht	/ W	/ Min Req	/ Ctrl
B	8'1-1/8"	34'4"	/ -	/ -

Bearing B is a rigid surface.

▲ Bearing Reactions (lbs)

Loc	/ S	/ L	/ D	/ F	/ Hz	/ U
B	/ 2318	/ 0	/ 702	/ 126	/ 0	/

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	75	0	K - L	28	- 90
B - C	43	- 141	L - M	36	- 77
C - D	16	- 105	M - N	32	- 81
D - E	23	- 90	N - O	29	- 83
E - F	0	- 86	O - P	26	- 40
F - G	26	- 40	P - Q	0	- 86
G - H	29	- 83	Q - R	23	- 90
H - I	32	- 81	R - S	16	- 105
I - J	36	- 77	S - T	43	- 141
J - K	28	- 90	T - U	75	0

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AL	55	0	AD-AC	17	0
AL-AK	32	0	AC-AB	19	0
AK-AJ	28	0	AB-AA	20	0
AJ-AI	25	0	AA- Z	22	0
AI-AH	22	0	Z - Y	22	0
AH-AG	20	0	Y - X	25	0
AG-AF	20	0	X - W	28	0
AF-AE	19	0	W - V	32	0
AE-AD	17	0	V - T	55	0

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
C -AL	0	- 243	AC- L	0	- 229
D -AK	0	- 197	AB- M	0	- 198
E -AJ	0	- 201	AA- N	0	- 202
G -AI	0	- 201	Y - O	0	- 201
H -AH	0	- 202	X - Q	0	- 201
I -AF	0	- 198	W - R	0	- 197
J -AE	0	- 229	V - S	0	- 243
K -AD	0	- 150			

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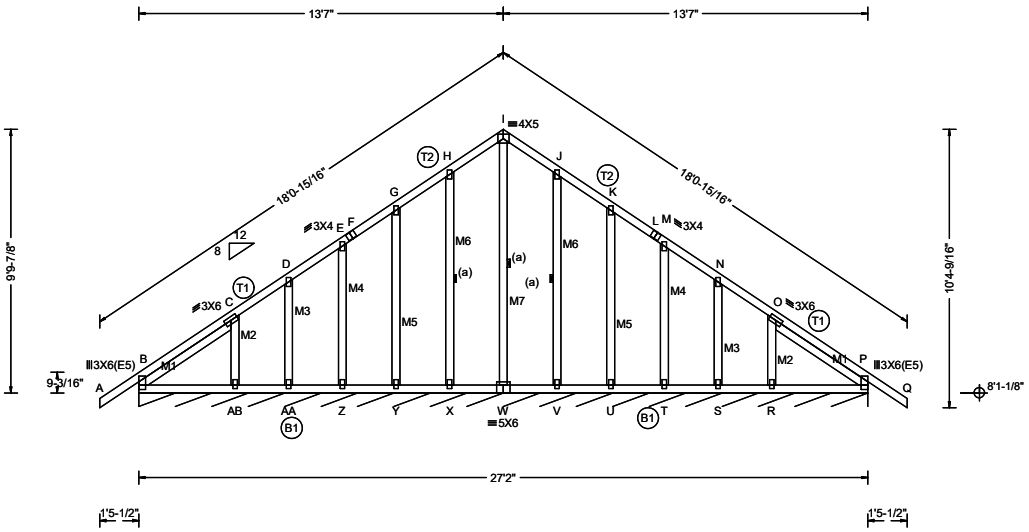
SEE A100 FOR GENERAL NOTES, IMPORTANT SPECIFICATIONS AND WARNINGS. CCMC #12182-L, 12802-L, 13124-L
THIS DWG PREPARED FROM COMPUTER IMPUT (LOADS AND DIMENSIONS) SUBMITTED BY TRUSS MFR

SEQN: 26136 / T2 / GABL FROM: JS	Ply: 1 Qty: 1 Wgt: 198.8 lbs	Q246709-2 Tim Rivard Option 2 GE01	DRW: ... / ... 03/04/2024



Conforms To:	Loading Criteria (psf)	Wind Criteria	Defl/CSI Criteria
Bldg Code: NBCC 2015 Design Criteria: Residential TPIC Std: TPIC 2014 CSA Std: CSA 086-14	TCLL: 31.33 TCDL: 3.00 BCLL: 0.00 BCDL: 7.00	q: NA Ref Ht: NA Calc'd Int. Press: NA Exposure: NA BLDG Cat: NA Ceiling Attached: NA TCDL: NA BCDL: NA Duration of Load: NA	PP Deflection in loc L/defl L/D VERT(LL): 0.002 L 999 360 VERT(TL): 0.003 L 999 360 HORZ(LL): -0.001 L - - HORZ(TL): -0.001 L - 1.00 Creep Factor: 1.0 Overhang: Non-removable Max TC CSI: 0.16 Max BC CSI: 0.04 Max Web CSI: 0.09
Ground Snow Load: 41.78 Rain Load: 8.35 Cb: 0.55 Cs: 1.00 Cw: 1.00 If: 1.00 Slippery Roof: N/A Wind Exposed: N/A	Des Ld: 41.33 Lumber Duration: 1.00 Plate Duration: 1.00 Spacing: 24.0 " Load Sharing: Yes		
	PT/IT/RT: 4sx/10%/ 5 deg Standard Pressed Plate Type: Wave-Canada		VIEW Ver: 23.02.02.1214.21

Lumber

Top Chord: 2x4 SPF #1/#2;
Bot Chord: 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;
Lt Slider: 2x4 SPF #1/#2; block length = 4.200'
Rt Slider: 2x4 SPF #1/#2; block length = 4.200'

Bracing

(a)1x4 SPF #3 or better continuous lateral bracing to be eq. spaced. Attach w/(2) 2.5" nails. Bracing material supplied & attached @ both ends to a suitable support by Erection Contractor.

Plating Notes

See A-100, Specification Note 7.E for standard plate positioning.

Plates designed for fabrication using seasoned lumber.

All plates are 2X4 except as noted.

Additional Notes

Interaction equation as per Clause 6.5.10 of CSA-O86-14.

Note: This truss design conforms to OBC 2012 O.REG. 88/19.

This truss design conforms to BCBC 2018, NBC-2019 Alberta Edition, OBC 2012 O.RE G. 88/19.

▲Bearing Locations

Loc	Ht	/ W	/ Min Req	/ Ctrl
B	8'1-1/8"	27'2"	/ -	/ -

Bearing B is a rigid surface.

▲Bearing Reactions (lbs)

Loc	/ S	/ L	/ D	/ F	/ Hz	/ U
B	/ 1884	/ 0	/ 560	/ 129	/ 0	/

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	82	0	I - J	25	- 92
B - C	44	- 161	J - K	33	- 79
C - D	14	- 107	K - L	28	- 62
D - E	26	- 87	L - M	0	- 85
E - F	0	- 85	M - N	26	- 87
F - G	28	- 62	N - O	14	- 107
G - H	33	- 79	O - P	44	- 161
H - I	25	- 92	P - Q	82	0

Maximum Bot Chord Forces Per Ply (lbs)

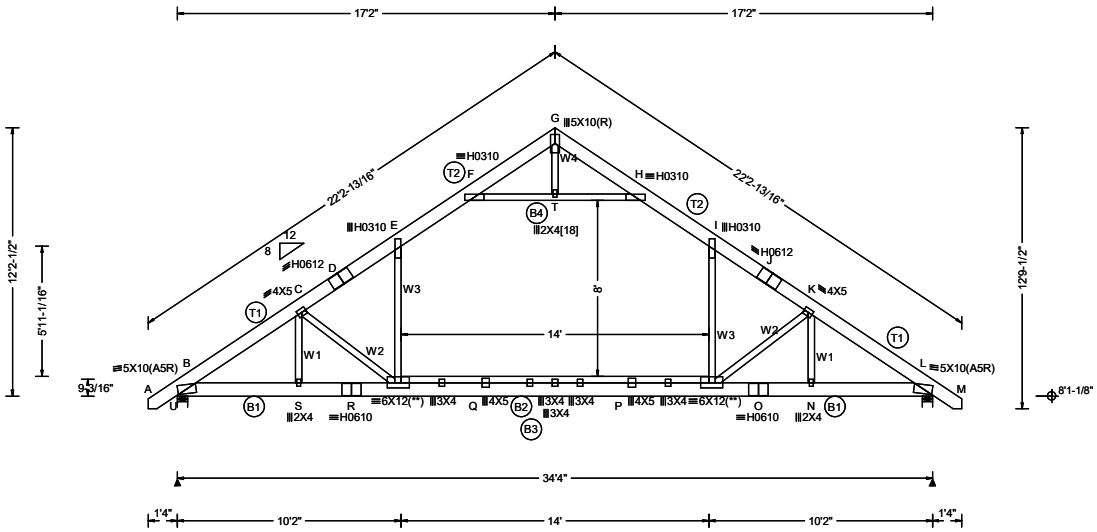
Chords	Tens.	Comp.	Chords	Tens.	Comp.
B -AB	53	0	W - V	19	0
AB-AA	30	0	V - U	21	0
AA- Z	26	0	U - T	23	0
Z - Y	23	0	T - S	26	0
Y - X	21	0	S - R	30	0
X - W	19	0	R - P	53	0

Maximum Gable Forces Per Ply (lbs)

Gables	Tens.	Comp.	Gables	Tens.	Comp.
C -AB	0	- 273	V - J	0	- 229
D -AA	0	- 188	U - K	0	- 197
E - Z	0	- 204	T - M	0	- 204
G - Y	0	- 197	S - N	0	- 188
H - X	0	- 229	R - O	0	- 273
I - W	0	- 147			

THIS DRAWING MUST BE REVIEWED BY A REGISTERED PROFESSIONAL ENGINEER BEFORE USE.
SEE A100 FOR GENERAL NOTES, IMPORTANT SPECIFICATIONS AND WARNINGS. CCMC #12182-L, 12802-L, 13124-L
THIS DWG PREPARED FROM COMPUTER IMPUT (LOADS AND DIMENSIONS) SUBMITTED BY TRUSS MFR

SEQN: 29262 / T5 / ATIC FROM: SS	Ply: 1 Qty: 18 Wgt: 317.8 lbs	Q246709-2 Tim Rivard Option 2 A03	DRW: ... / ... 03/04/2024



Conforms To:	Loading Criteria (psf)	Wind Criteria	Defl/CSI Criteria
Bldg Code: NBCC 2015 Design Criteria: Commercial TPIC Std: TPIC 2014 CSA Std: CSA 086-14	TCLL: 41.77 TCDL: 5.00 BCLL: 10.00 BCDL: 7.00	q: 10.4 Ref Ht: 19.68 Calc'd Int. Press: 5.64 Exposure: Open BLDG Cat: 2 Ceiling Attached: Yes TCDL: 5.00 BCDL: 7.00 Duration of Load: 1.00	PP Deflection in loc L/defl L/D VERT(LL): 0.773 T 532 360 VERT(TL): 1.079 T 381 360 HORZ(LL): 0.350 E - - HORZ(TL): 0.537 E - 1.00 Creep Factor: 1.0 Overhang: Non-removable Max TC CSI: 0.91 Max BC CSI: 0.73 Max Web CSI: 0.75
Ground Snow Load: 41.78 Rain Load: 8.35 Cb: 0.80 Cs: 1.00 Cw: 1.00 If: 1.00 Slippery Roof: N Wind Exposed: N	Des Ld: 63.77 Lumber Duration: 1.00 Plate Duration: 1.00 Spacing: 24.0 " Load Sharing: Yes	PT/IT/RT: 4sx/10%/ 5 deg Standard Pressed Plate Type: Wave-Canada, HS-Canada	VIEW Ver: 23.02.02.1214.21

Lumber

Top Chord: 2x8 SPF 1950Fb-1.7E;
Bot Chord: 2x8 SPF 1950Fb-1.7E; B3,
B4 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;

Plating Notes

See A-100, Specification Note 7.E for standard plate positioning.

Plates designed for fabrication using seasoned lumber.

(**) Warning! 2 plate(s) have been repositioned by the truss designer. Special positioning required.

Plate Shift Table

JT No	Plate Size	Lateral Shift	Chord Bite	JT No	Plate Size	Lateral Shift	Chord Bite
[18]	2X4	S	1.75				

Loading

Component is designed for unbalanced loading per Part 4 of NBCC current edition.

Note: This truss is not designed with any additional loads due to snow build up that may occur on the top chord due to drifting or sliding snow from adjacent or nearby structures.

Special Note: Loading to be verified by Project Engineer or authority having jurisdiction prior to fabrication.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 10-2-0 to 24-2-0. Ceiling = 10.00 psf. Kneewalls = 10.00 psf. See A-100, Special Engineering Notes, Note 6 for proper floor bracing instructions.

Additional Notes

Interaction equation as per Clause 6.5.10 of CSA-O86-14.

Note: This truss design conforms to OBC 2012 O.REG. 88/19.

This truss design conforms to BCBC 2018, NBC-2019 Alberta Edition, OBC 2012 O.RE G. 88/19.

Trusses to be properly anchored at supports, by others, to withstand the indicated vertical and horizontal reactions.

Calculated horizontal deflection of 0.35" due to live load and 0.20" due to dead load at 2 bearing.

▲Bearing Locations

Loc	Ht	/ W	/ Min Req	/ Ctrl
U	8'1-1/8"	5-1/2"	/ 4-1/2"	/ Truss
L	8'1-1/8"	5-1/2"	/ 4-1/2"	/ Truss

Bearings U & L are a rigid surface.

▲Bearing Reactions (lbs)

Loc	/ S	/ L	/ D	/ F	/ Hz	/ U
U	/ 1545	/ 763	/ 850	/ 4144	/ 518	/ -70
L	/ 1545	/ 763	/ 850	/ 4144	/ 0	/ -70

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	120	0	G - H	334	-445
B - C	0	-6276	H - I	76	-4156
C - D	0	-5653	I - J	16	-5505
D - E	14	-5505	J - K	0	-5653
E - F	74	-4156	K - L	0	-6276
F - G	334	-445	L - M	120	0

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - S	5123	-94	P - O	5122	0
S - R	5122	-95	O - P	6551	-2152
R - Q	5122	-95	O - N	5122	0
Q - R	6523	-2431	N - L	5123	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - S	457	-695	T - H	164	-4459
C - Q	457	-1959	P - I	2453	-156
E - Q	2453	-155	P - K	465	-1959
F - T	164	-4459	N - K	461	-695
G - T	717	-17			

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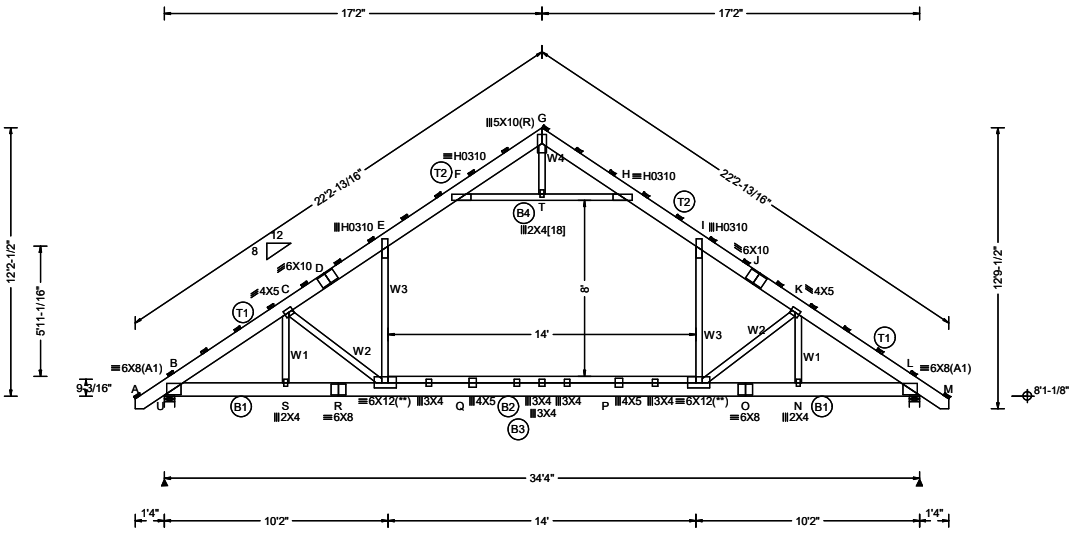
SEE A100 FOR GENERAL NOTES, IMPORTANT SPECIFICATIONS AND WARNINGS. CCMC #12182-L, 12802-L, 13124-L
THIS DWG PREPARED FROM COMPUTER IMPUT (LOADS AND DIMENSIONS) SUBMITTED BY TRUSS MFR

SEQN: 29265 / T6 / ATIC FROM: SS	Ply: 2 Qty: 1 Wgt: 635.6 lbs	Q246709-2 Tim Rivard Option 2 A04	DRW: ... / ... 03/04/2024



Conforms To:	Loading Criteria (psf)	Wind Criteria	Defl/CSI Criteria
Bldg Code: NBCC 2015 Design Criteria: Commercial TPIC Std: TPIC 2014 CSA Std: CSA 086-14	TCLL: 41.77 TCDL: 5.00 BCLL: 10.00 BCDL: 7.00	q: 10.4 Ref Ht: 19.68 Calc'd Int. Press: 5.64 Exposure: Open BLDG Cat: 2 Ceiling Attached: Yes TCDL: 5.00 BCDL: 7.00 Duration of Load: 1.00	PP Deflection in loc L/defl L/D VERT(LL): 0.580 T 710 360 VERT(TL): 0.809 T 509 360 HORZ(LL): 0.263 E - - HORZ(TL): 0.403 E - 1.00 Creep Factor: 1.0 Overhang: Non-removable Max TC CSI: 0.75 Max BC CSI: 0.60 Max Web CSI: 0.58
Ground Snow Load: 41.78 Rain Load: 8.35 Cb: 0.80 Cs: 1.00 Cw: 1.00 If: 1.00 Slippery Roof: N Wind Exposed: N	Des Ld: 63.77 Lumber Duration: 1.00 Plate Duration: 1.00 Spacing: 36.0 " Load Sharing: No	PT/IT/RT: 4sx/10%/ 5 deg Standard Pressed Plate Type: Wave-Canada, HS-Canada	VIEW Ver: 23.02.02.1214.21

Lumber

Top Chord: 2x8 SPF 1950Fb-1.7E;
Bot Chord: 2x8 SPF 1950Fb-1.7E; B3,
B4 2x4 SPF #1/#2;
Webs: 2x4 SPF #1/#2;

Nailnote

Nail Schedule:0.131"x3.25" air gun nails
TOP CHORD: 3 ROWS @16.00" o.c. (Each Row)
BOT CHORD: 1 ROW @16.00" o.c.
Webs : 1 Row @ 4" o.c.
Use equal spacing between rows and stagger nails in each row to avoid splitting.

Plating Notes

See A-100, Specification Note 7.E for standard plate positioning.

Plates designed for fabrication using seasoned lumber.

(**) Warning! 2 plate(s) have been repositioned by the truss designer. Special positioning required.

Plate Shift Table

JT No	Plate Size	Lateral Shift	Chord Bite	JT No	Plate Size	Lateral Shift	Chord Bite
[18]	2X4	S	1.75				

Loading

Component is designed for unbalanced loading per Part 4 of NBCC current edition.

Note: This truss is not designed with any additional loads due to snow build up that may occur on the top chord due to drifting or sliding snow from adjacent or nearby structures.

Special Note: Loading to be verified by Project Engineer or authority having jurisdiction prior to fabrication.

BC attic room floor loading: LL = 40.00 psf; DL = 10.00 psf; from 10-2-0 to 24-2-0. Ceiling = 10.00 psf. Kneewalls = 10.00 psf. See A-100, Special Engineering Notes, Note 6 for proper floor bracing instructions.

Purlins

In lieu of structural panels use purlins to brace TC @ 24.00" oc. Purlins to be attached to permanent building bracing. Design of purlin, purlin attachment & permanent bracing system as per Project Engineer of Record.

Additional Notes

Interaction equation as per Clause 6.5.10 of CSA-O86-14.

Note: This truss design conforms to OBC 2012 O.REG. 88/19.

This truss design conforms to BCBC 2018, NBC-2019 Alberta Edition, OBC 2012 O.RE G. 88/19.

Trusses to be properly anchored at supports, by others, to withstand the indicated vertical and horizontal reactions.

▲Bearing Locations

Loc	Ht	/ W	/ Min Req	/ Ctrl
U	8'1-1/8"	5-1/2"	/ 3-3/8"	/ Truss
L	8'1-1/8"	5-1/2"	/ 3-3/8"	/ Truss

Bearings U & L are a rigid surface.

▲Bearing Reactions (lbs)

Loc	/ S	/ L	/ D	/ F	/ Hz	/ U
U	/ 2318	/ 1144	/ 1275	/ 6217	/ 777	/ -105
L	/ 2318	/ 1144	/ 1275	/ 6217	/ 0	/ -105

Maximum Top Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
A - B	90	0	G - H	251	-334
B - C	0	-4707	H - I	57	-3117
C - D	0	-4240	I - J	12	-4129
D - E	10	-4129	J - K	0	-4240
E - F	55	-3117	K - L	0	-4707
F - G	251	-334	L - M	90	0

Maximum Bot Chord Forces Per Ply (lbs)

Chords	Tens.	Comp.	Chords	Tens.	Comp.
B - S	3843	-70	P - O	3842	0
S - R	3842	-71	O - P	4913	-1614
R - Q	3842	-71	O - N	3842	0
Q - R	4892	-1824	N - L	3843	0

Maximum Web Forces Per Ply (lbs)

Webs	Tens.	Comp.	Webs	Tens.	Comp.
C - S	343	-522	T - H	123	-3345
C - Q	343	-1469	P - I	1840	-117
E - Q	1840	-116	P - K	349	-1469
F - T	123	-3345	N - K	345	-522
G - T	538	-13			

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THIS DWG PREPARED FROM COMPUTER IMPUT (LOADS AND DIMENSIONS) SUBMITTED BY TRUSS MFR

GENERAL NOTES

THE DESIGN AND CONSTRUCTION OF ALL WORK IS TO CONFORM TO THE OBC-2012 INCLUDING ALL AMENDMENTS AND CSA STANDARDS

READ AND REVIEW ALL ARCHITECTURAL DRAWINGS IN CONJUNCTION WITH ALL RELEVANT SERVICES DRAWINGS AND OTHER DESIGN DOCUMENTS.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON THESE DRAWINGS BEFORE CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE DESIGNER.

ALARMS AND DETECTORS

SUFFICIENT SMOKE ALARMS SHALL BE INSTALLED SO THAT THERE IS AT LEAST ONE SMOKE ALARM INSTALLED ON EACH STOREY, INCLUDING BASEMENTS, AND (I) IN EACH SLEEPING ROOM, AND IN A LOCATION BETWEEN THE SLEEPING ROOMS AND THE REMAINDER OF THE STOREY.

IF THE SLEEPING ROOMS ARE SERVED BY A HALLWAY, A SMOKE ALARM SHALL BE LOCATED IN THE HALLWAY.

SMOKE ALARMS SHALL:

- HAVE A VISUAL SIGNALLING COMPONENT
- BE INSTALLED ON OR NEAR THE CEILING
- SHALL BE WIRED SO THAT THE ACTIVATION OF ONE ALARM WILL CAUSE ALL ALARMS WITHIN THE DWELLING UNIT TO SOUND
- BE PROVIDED WITH 7 DAYS OF BATTERY BACKUP

ACCESS TO ATTICS

PROVIDE ACCESS TO ATTIC WITH A HATCHWAY

(A) @ 3.2 M2 IN AREA WITH NO DIMENSION LESS THAN 345 MM, OR (B) 500 MM BY 700 MM.

HATCHWAY ACCESS TO ATTIC TO BE PROVIDED WITH DOOR OR COVER THAT IS WEATHERSTRIPPED AROUND THE EDGES

COLUMNS, BEAMS & LINTELS

STEEL BEAMS AND COLUMNS SHALL BE SHOP PRIMED 350W STEEL

MINIMUM 3 1/2" END BEARING FOR WOOD AND STEEL BEAMS

STEEL COLUMNS TO HAVE MINIMUM OUTSIDE DIAMETER OF 139MM AND MINIMUM WALL THICKNESS OF 4.76MM

CONCRETE FLOOR SLABS

GARAGE, CARPORT AND EXTERIOR SLABS AND EXTERIOR STEPS SHALL BE 32MPA CONCRETE WITH 5-8% AIR ENTRAINMENT.

BASEMENT SLAB

25MPA CONCRETE, MINIMUM 100MM THICK, PLACED ON A MINIMUM 100MM OF COURSE, CLEAN, GRANULAR MATERIAL

SUSPENDED CONCRETE SLABS:

SUSPENDED CONCRETE SLABS TO BE 5" C/W 10M REBAR @ 7-7/8" O.C. MAX. EACH WAY.

SUPPORTED CONCRETE SLABS MUST BEAR MIN. 3" ON FNDN. AND BE ANCHOURED WITH 10M BENT DOWELLS @ 23-5/8" O.C. MAX.

SLAB TO SLOPE AWAY FROM HOUSE. (9.40.1.4. OBC).

CONCRETE:

ULTIMATE COMPRESSIVE STRENGTH @ 28 DAYS
-20 MPA FOR FOOTINGS AND WALLS
-25 MPA FOR BASEMENT SLAB
-32 MPA FOR GARAGE SLAB
MAX WATER CEMENT RATIO 0.45
AIR ENTRAINMENT 5% TO 8%

ALL FOOTINGS TO BE ON UNDISTURBED SOIL AND MIN. 4'-0" BELOW LINE OF FINISHED GRADE

SOIL BEARING CAPACITY TO SUSTAIN A MIN. 3000 P.S.F.

DAMP PROOFING AND DRAINAGE

IN NORMAL SOIL CONDITIONS, THE EXTERIOR SURFACES OF FOUNDATION WALLS ENCLOSING BASEMENTS AND CRAWL SPACES SHALL BE DAMP PROOFED.

CONCRETE SLABS IN ATTACHED GARAGES SHALL BE SLOPED TOWARDS THE OVERHEAD DOORS AND DRAIN TO THE EXTERIOR

THE BUILDING SITE SHALL BE GRADED SO THAT SURFACE, SUMP AND ROOF DRAINAGE WILL NOT ACCUMULATE AT OR NEAR THE BUILDING AND WILL NOT ADVERSELY AFFECT ADJACENT PROPERTIES

PROVIDE 100MM DIAMETER FOUNDATION DRAINS ON LEVEL UNDISTURBED SOIL ADJACENT TO THE FOOTINGS AT OR BELOW THE TOP OF THE BASEMENT SLAB AND SHALL BE COVERED WITH 150MM OF CRUSHED STONE

ELECTRICAL & LIGHTING

ALL ELECTRICAL WORK IS TO CONFORM TO OBC 9.34

ALL WORK IS TO BE COMPLETED AND INSPECTED AS PER THE ELECTRICAL SAFETY CODE

LOCATION OF ELECTRICAL OUTLETS CONFIRMED BY CONTRACTOR

A LIGHT CONTROLLED BY A SWITCH IS REQUIRED IN EVERY KITCHEN, BEDROOM, LIVING ROOM, UTILITY ROOM, LAUNDRY ROOM, DINING ROOM, BATHROOM, VESTIBULE, HALLWAY, GARAGE AND CARPORT.

BASEMENTS REQUIRE A LIGHT FOR EACH 30M2 CONTROLLED BY A SWITCH

EXCAVATION AND BACKFILL

EXCAVATION SHALL BE UNDERTAKEN IN SUCH A MANNER TO PREVENT DAMAGE TO EXISTING STRUCTURES, ADJACENT PROPERTY AND UTILITIES.

THE TOPSOIL AND VEGETABLE MATTER IN UNEXCAVATED AREAS UNDER A BUILDING SHALL BE REMOVED.

THE BOTTOM OF EXCAVATIONS FOR FOUNDATIONS SHALL BE FREE OF ALL ORGANIC MATERIAL

BACKFILL WITHIN 600MM OF THE FOUNDATION WALLS SHALL BE FREE OF DELETERIOUS DEBRIS AND BOULDERS OVER 250 MM IN DIAMETER.

FOOTINGS

MINIMUM 20MPA POURED CONCRETE

MINIMUM 1200MM BELOW FINISHED GRADE

FOOTINGS SHALL BE FOUNDED ON NATURAL UNDISTURBED SOIL CAPABLE OF SUSTAINNG A SOIL BEARING CAPACITY OF 3000 PSF

STEP FOOTINGS

600MM MAX. RISE
600MM MIN RUN

FOUNDATION WALLS

DAMPPROOFING SHALL BE A HEAVY COAT OF BITUMINOUS MATERIAL FOUNDATION WALL TO EXTEND MINIMUM 150MM ABOVE FINISHED GRADE.

A DRAINAGE LAYER IS REQUIRED ON THE OUTSIDE OF A FOUNDATION WALL WHERE THE INTERIOR INSULATION EXTENDS MORE THAN 900MM BELOW EXTERIOR GRADE.

A DRAINAGE LAYER SHALL CONSIST OF MIN. 19MM MINERAL FIBRE INSULATION WITH MIN. DENSITY OF 57 KG/M3, MIN. 100MM OF FREE DRAINAGE GRANULAR MATERIAL, OR AN APPROVED SYSTEM WHICH PROVIDES EQUIVALENT PERFORMANCE

FOUNDATION WALLS SHALL BE BRACED OR HAVE THE FLOOR JOISTS INSTALLED BEFORE BACKFILLING

GARAGE GASPROOFING

THE WALLS AND CEILING OF AN ATTACHED GARAGE SHALL BE CONSTRUCTED AND SCALED SO AS TO PROVIDE ON EFFECTIVE BARRIER TO EXHAUST FUMES

ALL PLUMBING AND OTHER PENETRATIONS THROUGH THE WALLS AND CEILING SHALL BE CAULKED

DOORS BETWEEN THE DWELLING AND ATTACHED GARAGE MAY NOT OPEN INTO A BEDROOM AND SHALL BE WEATHERSTRIPPED AND HAVE A SELF CLOSER

HANDRAILS AND GUARDS

A HANDRAIL IS REQURED FOR INTERIOR STAIRS CONTAINNG MORE THAN 2 RISERS AND EXTERIOR STAIRS CONTAINING MORE THAN 3 RISERS

GUARDS ARE REQURED AROUND EVERY ACCESSIBLE SURFACE WHICH IS MORE THAN 600MM ABOVE THE ADJACENT LEVEL AND WHERE THE ADJACENT SURFACE HAS A SLOPE MORE THAN 1:2

INTERIOR AND EXTERIOR GUARDS MIN. 900MM HIGH. EXTERIOR GUARDS SHALL BE 1010MM HIGH WHERE HEIGHT ABOVE ADJACENT SURFACE EXCEEDS 1800MM

GUARDS SHALL HAVE OPENINGS SMALLER THAN 100MM AND NO MEMBER BETWEEN 140MM AND 900MM THAT WILL FACILITATE CLIMBING

STAIRS

MAXIMUM RISE
200MM

MINIMUM TREAD RUN
255MM

MINIMUM HEAD ROOM
2050MM

MINIMUM WIDTH
860MM

INSULATION & WEATHERPROOFING

INSULATION SHALL BE PROTECTED WITH GYPSUM BOARD OR AN EQUIVALENT INTERIOR FINISH, EXCEPT FOR UNFINISHED BASEMENTS WHERE 6MM POLY IS SUFFICIENT FOR BATT TYPE INSULATION

CAULKING SHALL BE PROVIDED FOR ALL EXTERIOR DOORS END WINDOWS BETWEEN THE FRAME AND THE EXTERIOR CLADDING

WEATHERSTRIPPING SHALL BE PROVIDED ON ALL DOORS AND ACCESS HATCHES TO THE EXTERIOR

EXTERIOR WALLS, CEILINGS AND FLOORS SHALL BE CONSTRUCTED SO AS TO PROVIDE A CONTINUOUS BARRIER TO THE PASSAGE OF WATER VAPOUR FROM THE INTERIOR AND TO THE LEAKAGE OF AIR FROM THE EXTERIOR

NATURAL VENTILATION

EVERY ROOF SPACE ABOVE AN INSULATED CEILING SHALL BE VENTILATED WITH UNOBSTRUCTED OPENINGS EQUAL TO NOT LESS THAN 1/300 OF THE INSULATED CEILING AREA

INSULATED ROOF SPACES NOT INCORPORATING AN ATTIC SHALL BE VENTILATED WITH UNOBSTRUCTED OPENINGS EQUAL TO NOT LESS THAN 1/150 OF THE INSULATED CEILING AREA

ROOT VENTS SHALL BE UNIFORMLY DISTRIBUTED WITH MIN. 25% AT TOP OF THE SPACE AND 25% AT BOTTOM OF THE SPACE DESIGNED TO PREVENT THE ENTRY OF RAIN, SNOW OR INSECTS

ROOFING

FASTENERS FOR ROOFING SHALL BE CORROSION RESISTANT

ROOFING NALLS SHALL PENETRATE THROUGH OR AT LEAST 12MM INTO ROOF SHEATHING

EAVE PROTECTION SHALL EXTEND 900MM UP THE ROOF SLOPE FROM THE EDGE, AND AT LEAST 300MM FROM THE INSIDE FACE OF THE EXTERIOR WALL. AND SHALL CONSIST OF TYPE M OR TYPE S ROLL ROOFING LAID WITH MINIMUM 100MM HEAD AND END LAPS CEMENTED TOGETHER, OR GLASS FIBRE OR POLYESTER FIBRE COATED BASE SHEETS, OR SELF SEALING COMPOSITE MEMBRANES CONSISTING MODIFIED BITUMINOUS COATED MATERIAL OR NO.15 SATURATED FELT LOPPED AND CEMENTED.

EAVE PROTECTION IS NOT REQURED FOR UNHEATED BUILDINGS, FOR ROOFS EXCEEDING A SLOPE OF 1 IN 1.5 OR WHERE A LOW SLOPE ASPHALT SHINGLE APPLICATION IS PROVIDED

OPEN VALLEYS SHALL BE FLASHED WITH 2 LAYERS OF ROLL ROOFING, OR 1 LAYER OF SHEET METAL MIN 600MM WIDE

SHEET METAL FLASHING SHALL CONSIST OF NOT LESS THAN 1.73MM SHEET LEAD, 0.33MM GALVANIZED STEEL, 0.33MM COPPER, 0.35MM ZINC OR 0.48MM ALUMINUM

WOOD FRAME CONSTRUCTION

ALL LUMBER SHALL BE SPRUCE-PINE-FIR NO. 2 OR BETTER, AND SHALL BE IDENTIFIED BY A GRADE STAMP

MAXIMUM MOISTURE CONTENT 19% AT TIME OF INSTALLATION

WOOD FRAMING MEMBERS WHICH ARE SUPPORTED ON CONCRETE IN DIRECT CONTACT WITH SOIL SHALL BE SEPARATED FROM THE CONCRETE WITH 0.05MM POLYETHYLENE OR TYPE 'S' ROLL ROOFING

SUPPLIERS OF ALL LVL MEMBERS AND TJI JOIST SYSTEMS TO PROVIDE ENGINEERED DRAWINGS.

JOISTS TO HAVE MINIMUM 38MM OF END BEARING

JOISTS SHALL BEAR ON A SILL PLATE FIXED TO FOUNDATION WITH 12.7MM ANCHOR BOLTS 2400MM O.C

38X38 CROSS BRIDGING REQURED NOT MORE THAN 2100MM FROM EACH SUPPORT AND FROM OTHER ROWS OF BRIDGING

JOISTS SHALL BE SUPPORTED ON JOIST HANGERS AT ALL FLUSH BEAMS, TRIMMERS ARE HEADERS

NON-LOAD BEARING PARTITIONS SHALL BE SUPPORTED ON A JOIST OR BLOCKING BETWEEN JOISTS

HOLES IN FLOOR, ROOF AND CEILING MEMBERS TO BE NOT LARGER THAN 1/4 THE ACTUAL DEPTH OF MEMBER AND NOT LESS THAN 50MM FROM EDGES

NOTCHES IN FLOOR, ROOF AND CEILING MEMBERS TO BE LOCATED ON TOP OF THE MEMBER WITHIN 1/2 THE ACTUAL DEPTH FROM THE EDGE OF BEARING AND NOT GREATER THAN 1/3 THE JOIST DEPTH

WALL STUDS MAY BE NOTCHED OR DRILLED PROVIDED THAT NO LESS THAN 2/3 THE DEPTH OF THE STUD REMAINS, IF LOAD BEARING, AND 40MM IF NON-LOAD BEARING

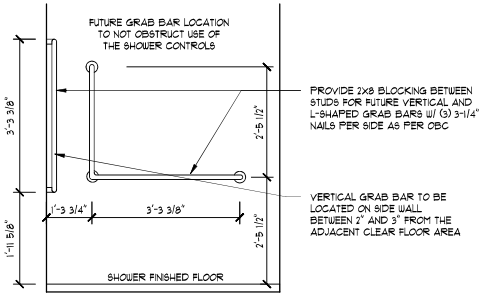
ROOF TRUSS MEMBERS SHALL NOT BE NOTCHED OR DRILLED

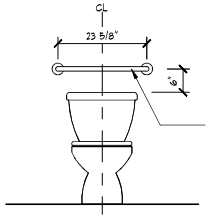
NAILING FOR FRAMING SHALL CONFORM TO OBC TABLE 9.23.3.4

END BEARING:

ALL BEAMS SHALL HAVE EVEN AND LEVEL BEARING AND SHALL HAVE NOT LESS THAN 3 1/2" OF BEARING AT SUPPORTS AS PER (9.23.8.1. (1) OBC).

ALL FLOOR JOISTS SHALL HAVE NO LESS THAN 1 1/2" OF END BEARING, EXCEPT WHERE SUPPORTED ON RIBBON BOARDS (9.23.9.1. (1) OBC).





BLOCKING FOR FUTURE INSTALLATION OF GRAB BARS TO BE PROVIDED IN MAIN BATHROOM AS PER OBC 9.5.2.3.

PROVIDE 2X8 BLOCKING BETWEEN STUDS W/ (3) 3-1/4" NAILS PER SIDE BEHIND TOILET FOR THE INSTALLATION OF FUTURE GRAB BARS AS PER OBC

MAIN BATH - GRAB BAR BLOCKING
3/8" = 1'-0"

THERMAL PERFORMANCE REQUIREMENTS FOR ADDITIONS TO EXISTING BUILDINGS SB-12 TABLE 3.1.1.1. (P)

COMPLIANCE PACKAGE - ZONE 1
(LESS THAN 5000 DEGREE DAYS)

BUILDING COMPONENT	THERMAL VALUES
CEILING WITH ATTIC SPACE	R60
CEILING WITHOUT ATTIC SPACE	R31
EXPOSED FLOOR	R31
WALLS ABOVE GRADE	R19+5 CI
BASEMENT WALLS	R20 CI
HEATED SLAB OR SLAB ≤ 600MM BELOW GRADE	R10
EDGE OF BELOW GRADE SLAB ≤ 600MM BELOW GRADE	R10
WINDOWS AND SLIDING GLASS DOORS	MAX. U = 0.28 ENERGY RATING = 25 (OR BETTER)

NOTE: CI = CONTINUOUS INSULATION

WOOD LINTEL SCHEDULE

FORMING PART OF SENTENCE OBC 9.23.12.3

LINTEL SIZES (IN)	MAXIMUM SPAN SUPPORTING ROOF (SSL-1.5 KPA) AND CEILING ONLY (S-P-F NO. 1 & 2)	
	EXTERIOR WALL	INTERIOR WALL
2-2X4	3'-7"	3'-0"
2-2X6	5'-6"	4'-5"
2-2X8	6'-7"	5'-4"
2-2X10	8'-1"	6'-8"
2-2X12	9'-5"	7'-8"

SPANS ARE CALCULATED BASED ON MAX. SUPPORTED JOIST OR RAFTER LENGTH OF 16'-0" AND A MAX. SUPPORTED TRUSS LENGTH OF 32'-1".

ALL HEADERS SUPPORTING SPANS THAT EXCEED THE ALLOWED SPANS, ARE TO BE PRE-ENGINEERED LVL HEADERS

SB-1 CLIMATIC DATA (GIMCOE)

SG = 1.3 KPA
SR = 0.4 KPA
SSL = 1.12 KPA
1/50 HOURLY WIND PRESSURE = 0.45 KPA

DRAWING INDEX

SH #	DRAWING NAME
A-1	BASEMENT FLOOR PLAN
A-2	MAIN FLOOR PLAN
A-3	FRONT & BACK ELEVATIONS
A-4	LEFT & RIGHT ELEVATIONS
A-5	SECTION DETAILS
A-6	ROOF PLAN

OWNER:
TIM RIVARD

THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN, HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNER

NAME:	SAM BUNTING
BCIN:	37074
FIRM BCIN:	40602

288 HWY 24 WEST
NORFOLK COUNTY

KEYSTONE DESIGN GROUP

SPECS & NOTES

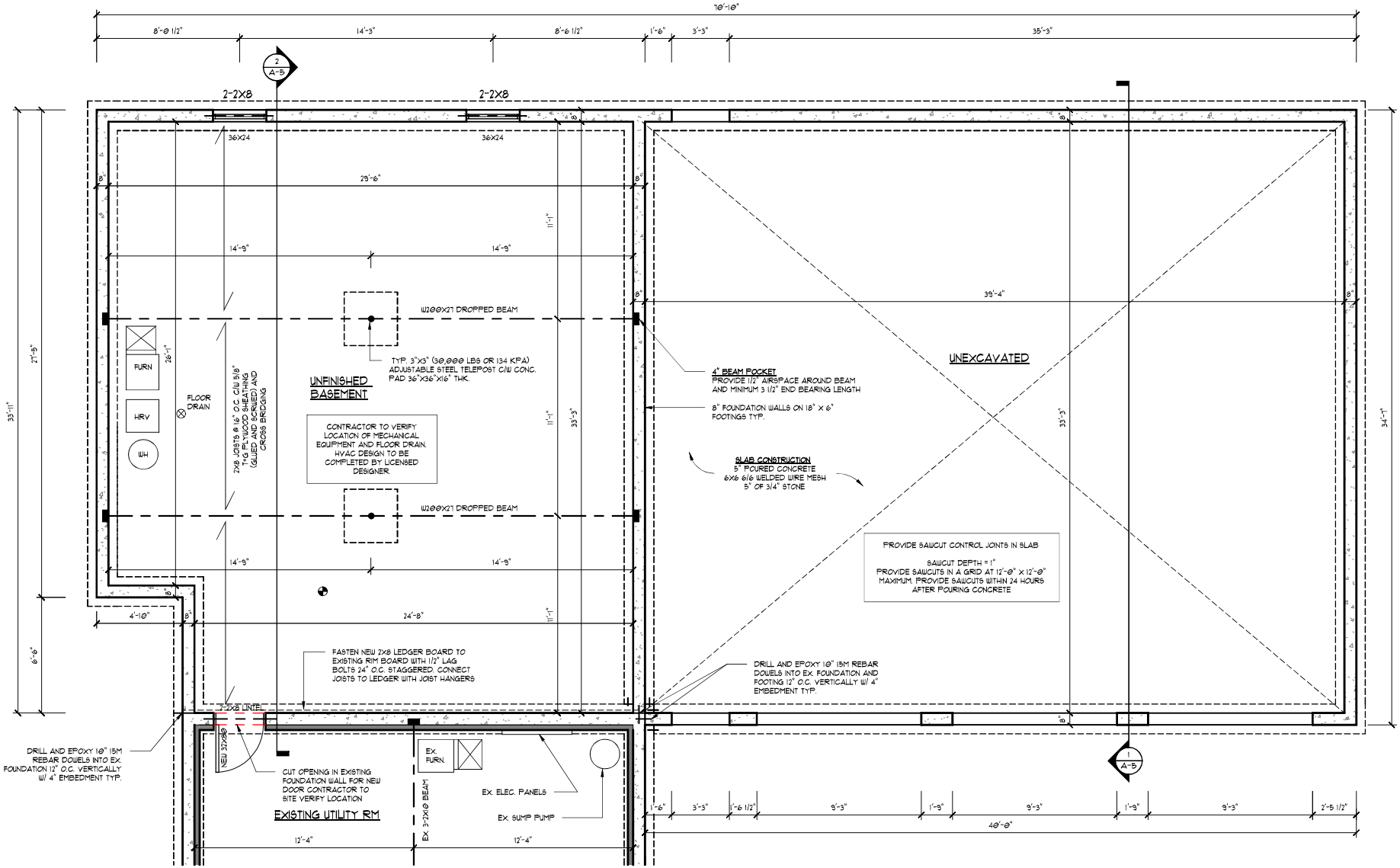
DRAWN BY:
TROY SCRIVEN

DESIGNED BY:
SAM BUNTING

DATE:
FEB. 29, 2024

SCALE:
AS INDICATED

SHEET No.:
A-0



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FIRM BCIN:	40602

288 HWY 24 WEST
NORFOLK COUNTY

KEYSTONE DESIGN GROUP

BASEMENT FLOOR PLAN

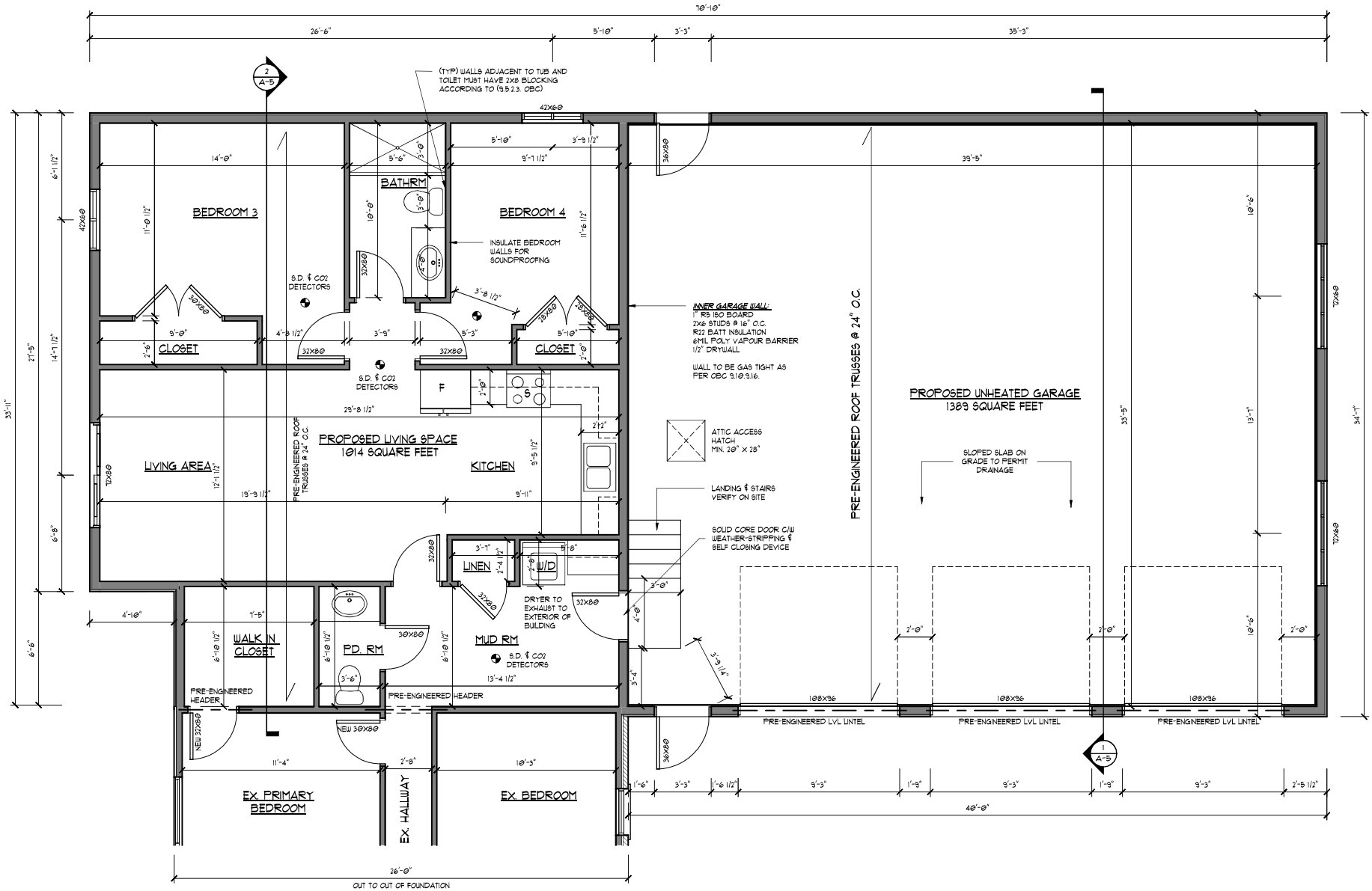
DRAWN BY:
TROY SCRIVEN

DESIGNED BY:
SAM BUNTING

DATE:
FEB. 29, 2024

SCALE:
3/16" = 1'-0"

SHEET No.:
A-1



OWNER:
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BCIN:	37074
FIRM BCIN:	40602

288 HWY 24 WEST
NORFOLK COUNTY

KEYSTONE DESIGN GROUP

MAIN FLOOR PLAN

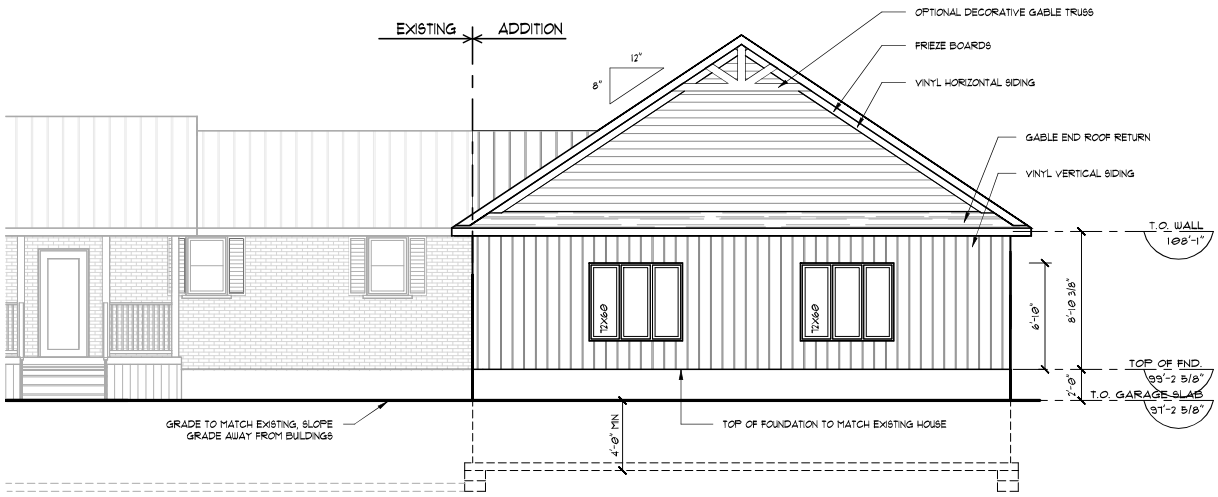
DRAWN BY: TROY SCRIVEN

DESIGNED BY: SAM BUNTING

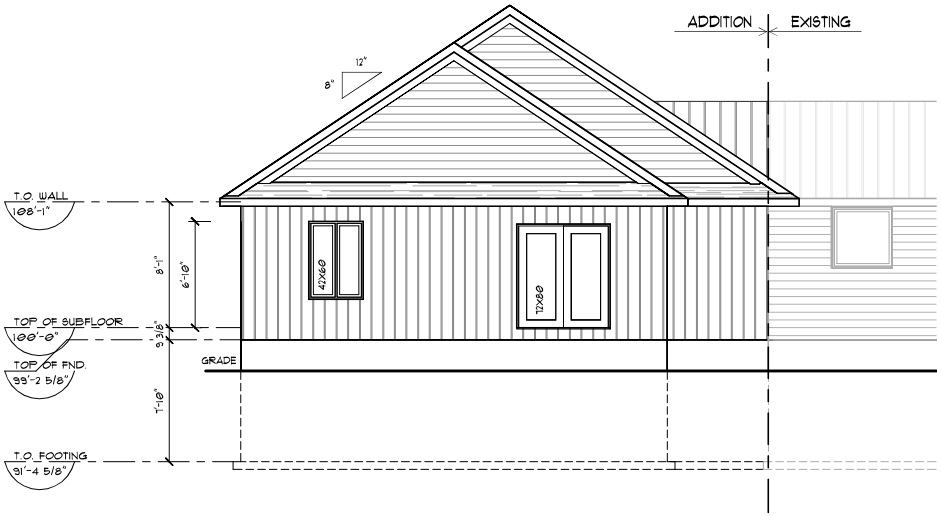
DATE: FEB. 29, 2024

SCALE: 3/16" = 1'-0"

SHEET No.: A-2



FRONT ELEVATION
1/8" = 1'-0"



BACK ELEVATION
1/8" = 1'-0"

OWNER:
TIM
RIVARD

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288 HWY 24 WEST
NORFOLK COUNTY

KEYSTONE DESIGN GROUP

FRONT & BACK ELEVATIONS

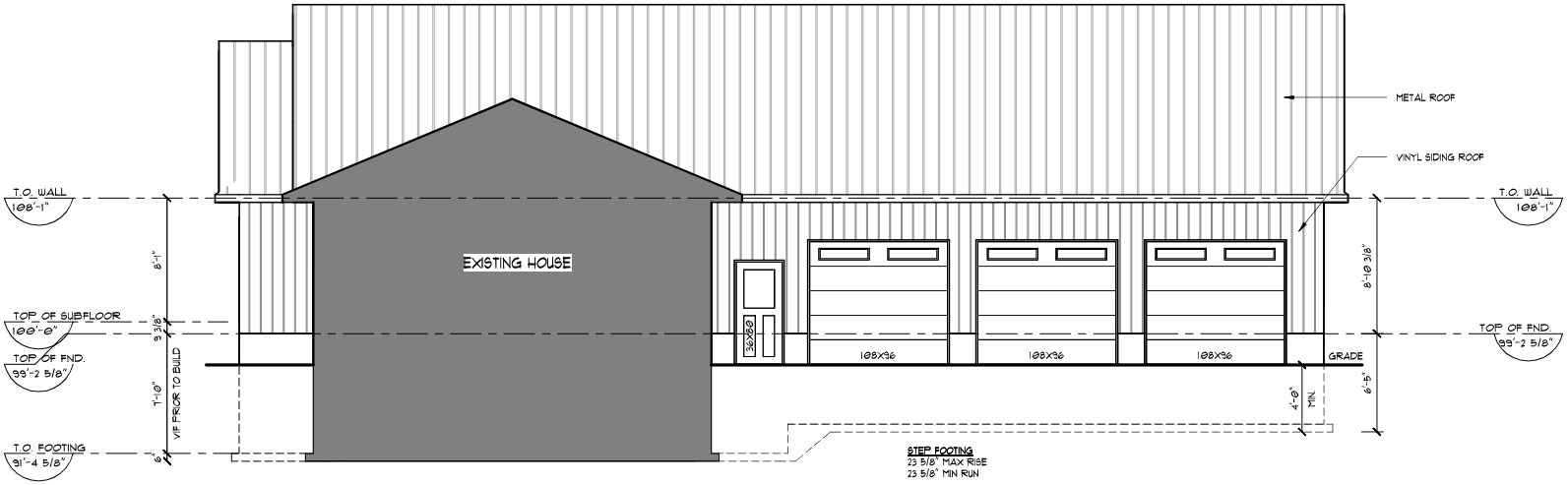
DRAWN BY:
TROY SCRIVEN

DESIGNED BY:
SAM BUNTING

DATE:
FEB. 29, 2024

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

SHEET No.:
A-3

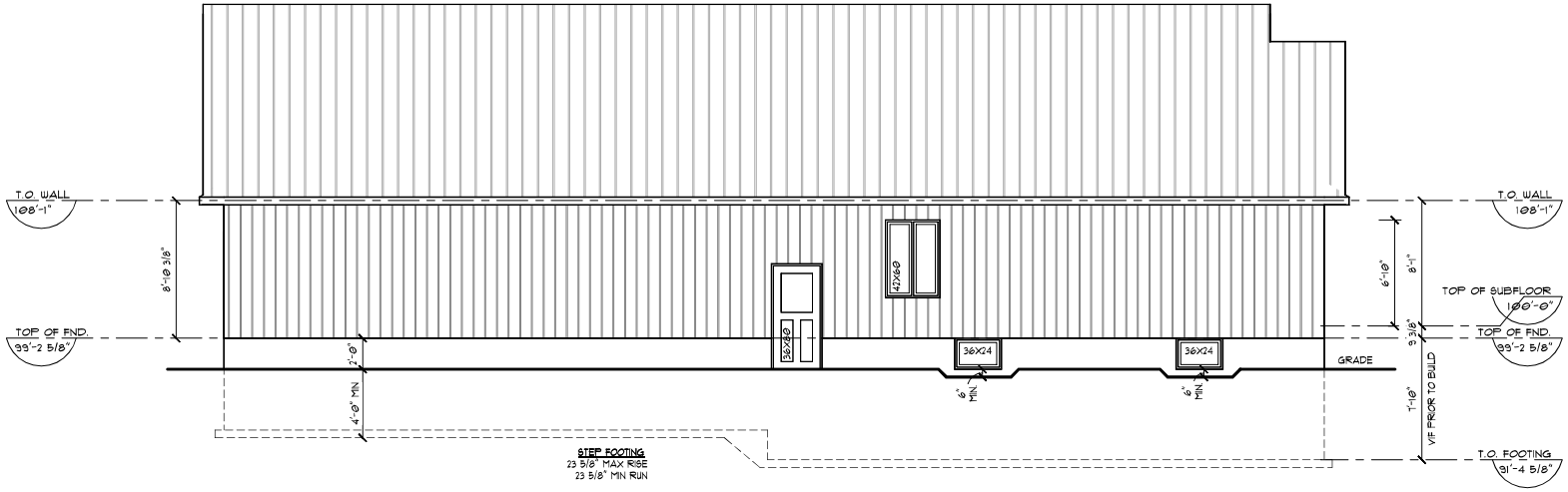


STEP FOOTING
23 5/8" MAX RISE
23 5/8" MIN RUN

MAINTAIN MIN. 4'-0" OF FROST COVER FROM FINISHED GRADE TO BOTTOM OF FOOTING

CONTRACTOR TO VERIFY LOCATIONS AND HEIGHTS OF ALL STEP FOOTINGS ON SITE

LEFT ELEVATION
1/8" = 1'-0"



STEP FOOTING
23 5/8" MAX RISE
23 5/8" MIN RUN

MAINTAIN MIN. 4'-0" OF FROST COVER FROM FINISHED GRADE TO BOTTOM OF FOOTING

CONTRACTOR TO VERIFY LOCATIONS AND HEIGHTS OF ALL STEP FOOTINGS ON SITE

RIGHT ELEVATION
1/8" = 1'-0"

OWNER:
TIM
RIVARD

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288 HWY 24 WEST
NORFOLK COUNTY

KEYSTONE DESIGN GROUP

LEFT & RIGHT ELEVATIONS

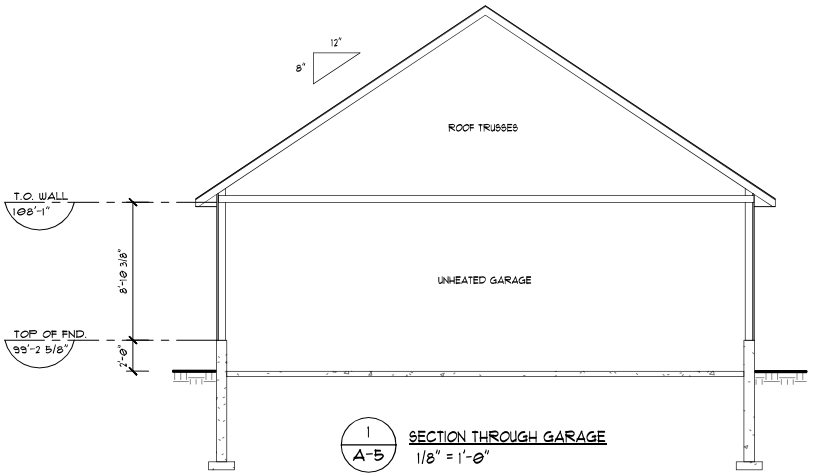
DRAWN BY:
TROY SCRIVEN

DESIGNED BY:
SAM BUNTING

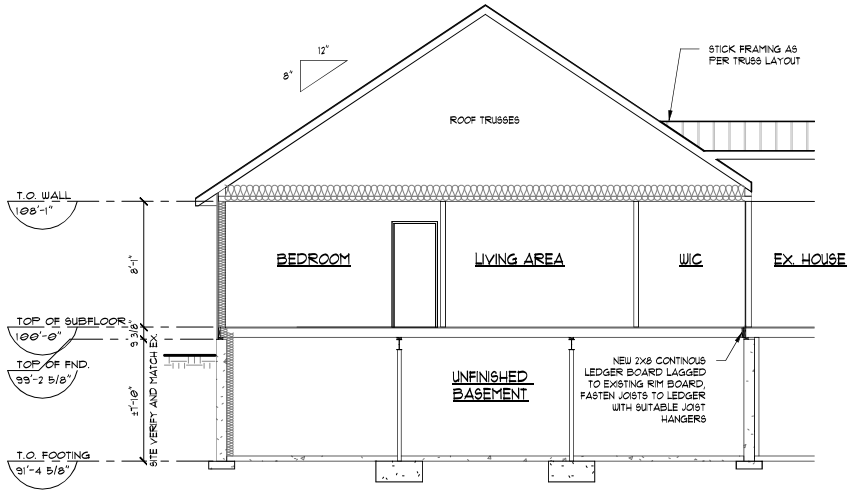
DATE:
FEB. 29, 2024

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

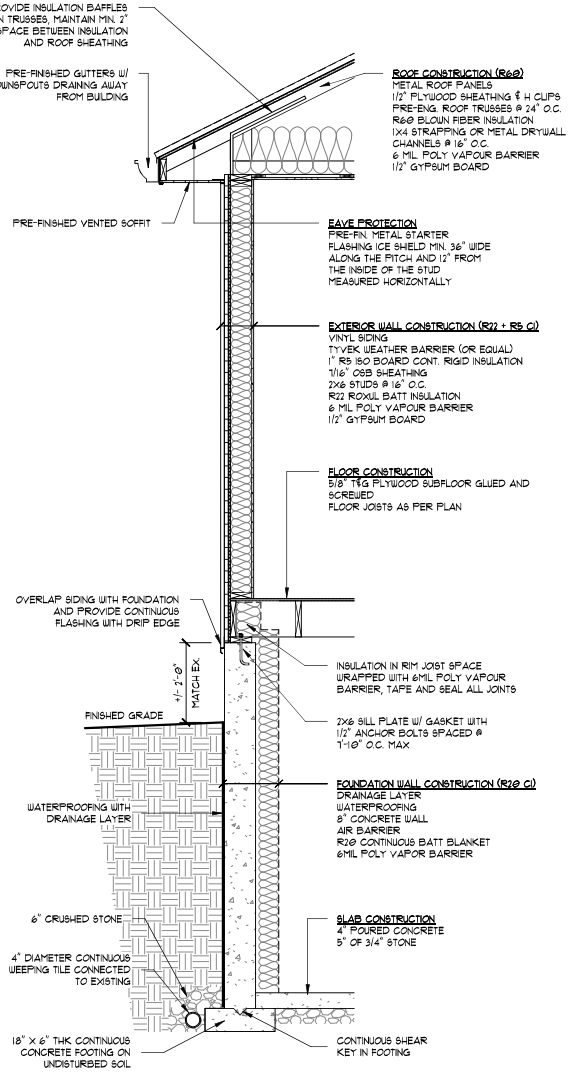
SHEET No.:
A-4



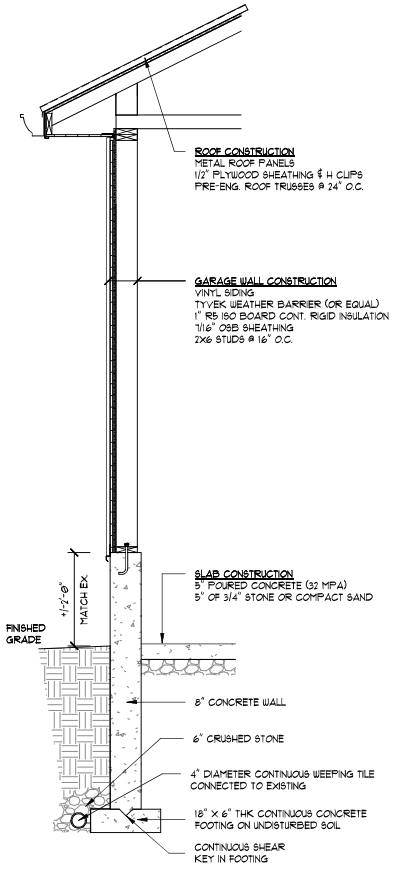
1 / A-5 SECTION THROUGH GARAGE
1/8" = 1'-0"



2 / A-5 SECTION THROUGH LIVING SPACE
1/8" = 1'-0"



3 TYP WALL SECTION @ LIVING SPACE
3/8" = 1'-0"



4 TYP. GARAGE WALL SECTION
3/8" = 1'-0"

OWNER:
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RIVARD

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288 HWY 24 WEST
NORFOLK COUNTY

KEYSTONE DESIGN GROUP

SECTION DETAILS

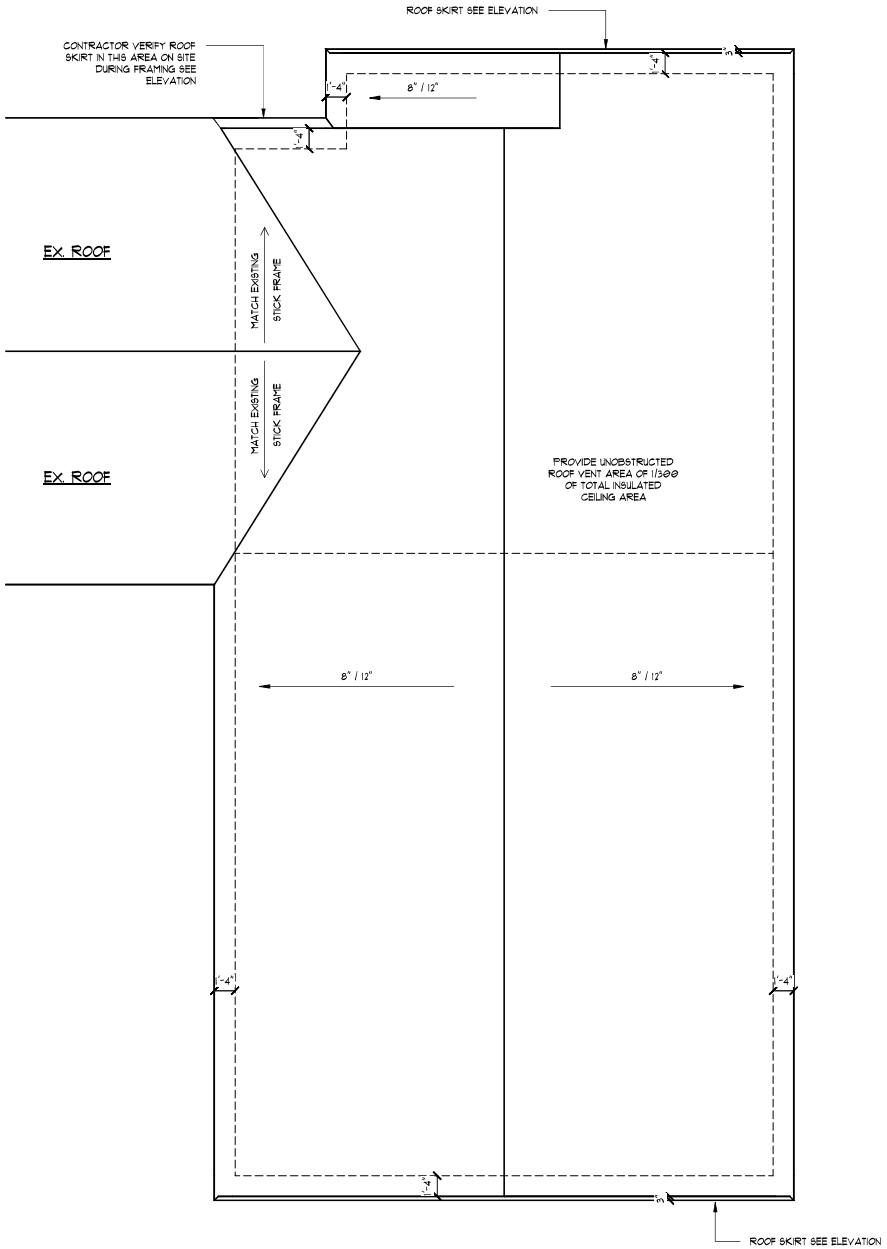
DRAWN BY:
TROY SCRIVEN

DESIGNED BY:
SAM BUNTING

DATE:
FEB. 29, 2024

SCALE:
AS INDICATED

SHEET No.:
A-5



ROOF PLAN NOTES

ROOF TRUSSES ARE TO BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER.

ROOF SHEATHING TO BE 1/2" EXTERIOR GRADE PLYWOOD WITH 'H' CLIPS

THE ROOF TRUSS SUPPLIER IS TO SUBMIT STAMPED ENGINEERED SHOP DRAWINGS TO THE CONTRACTOR FOR APPROVAL BY THE LOCAL AUTHORITY HAVING JURISDICTION

ALL OVERHANGS ARE 16" UNLESS NOTED OTHERWISE

GIRDER TRUSSES REQUIRE SOLID BEARING UNDERNEATH EXTENDING DOWN TO THE FOUNDATION WALL

ROOF TRUSS MEMBERS ARE NOT TO BE NOTCHED OR DRILLED

IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY ROOF TRUSS DIMENSIONS AND DESIGN WITH THE ARCHITECTURAL PLANS. KEYSTONE DESIGN GROUP IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS ON THE TRUSS LAYOUT AND SHOP DRAWINGS.

PROVIDE UNOBSTRUCTED ROOF VENT AREA OF 1/300 FOR ALL ROOF OR ATTICS ABOVE INSULATED AREA. PROVIDE UNOBSTRUCTED VENT AREA OF 1/150 FOR ALL ROOF PITCHES LESS THEN 2/12 OR ROOFS WITHOUT ATTIC SPACES

PROVIDE ROOF TRUSS BRACING AS REQUIRED BY ENGINEERED SHOP DRAWINGS

OWNER:
TIM
RIVARD

THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN, HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNER

NAME:	SAM BUNTING
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288 HWY 24 WEST
NORFOLK COUNTY

KEYSTONE DESIGN GROUP

ROOF PLAN

DRAWN BY:
TROY SCRIVEN

DESIGNED BY:
SAM BUNTING

DATE:
FEB. 29, 2024

SCALE:
AS INDICATED

SHEET No.:
A-6

Application for a Permit to Construct or Demolish

This form is authorized under subsection 8(1.1) of the *Building Code Act, 1992*

For use by Principal Authority

Application number:	Permit number (if different):
Date received:	Roll number:

Application submitted to: NORFOLK COUNTY
(Name of municipality, upper-tier municipality, board of health or conservation authority)

A. Project information

Building number, street name	Unit number	Lot/con.
288 HWY 24 S.WAL. NORFOLK COUNTY	288	16/4

Municipality	Postal code	Plan number/other description
NORFOLK COUNTY	N0E 1X0	543 020 15600 0000

Project value est. $	Area of work (m^2)
10,000.00	280 m^2

B. Purpose of application

☐ New construction ☒ Addition to an existing building ☐ Alteration/repair ☐ Demolition ☐ Conditional Permit

Proposed use of building	Current use of building
RESIDENTIAL	RESIDENTIAL

Description of proposed work

DESIGN CLASS IV SEWAGE TREATMENT SYSTEM TO SERVICE SINGLE FAMILY RESIDENCE

C. Applicant Applicant is: ☒ Owner or ☐ Authorized agent of owner

Last name	First name	Corporation or partnership
RIVARD	TIMOTHY	

Street address	Unit number	Lot/con.
288 HWY. 24		

Municipality	Postal code	Province	E-mail
S WAL. NORFOLK CTY		ONT.	

Telephone number	Fax	Cell number
905 818 1951		905 818 1951

D. Owner (if different from applicant)

Last name	First name	Corporation or partnership

Street address	Unit number	Lot/con.

Municipality	Postal code	Province	E-mail

Telephone number	Fax	Cell number

Schedule 1: Designer Information

Use one form for each individual who reviews and takes responsibility for design activities with respect to the project.

A. Project Information

Building number, street name	Unit no.	Lot/con.
288 HWY 24 S. WAL	288	16/4

Municipality	Postal code	Plan number/ other description
NORFOLK CTY	N0E 1X0	ROLL # 543 020 15600 0000

B. Individual who reviews and takes responsibility for design activities

Name	Firm
ALLEN BAILEY	300790 ONT. LTD./BAILEY TRUCKING

Street address	Unit no.	Lot/con.
2627 Rd. 45 RR#3 LANGTON	2627	PH20/con9

Municipality	Postal code	Province	E-mail
NORFOLK COUNTY	N0E 1G0	ONTARIO	officebaileytrucking@gmail.com

Telephone number	Fax number	Cell number
519 983 3058		519 983 3058

C. Design activities undertaken by individual identified in Section B. [Building Code Table 3.5.2.1. of Division C]

☐ House	☐ HVAC – House	☐ Building Structural
☐ Small Buildings	☐ Building Services	☐ Plumbing – House
☐ Large Buildings	☐ Detection, Lighting and Power	☐ Plumbing – All Buildings
☐ Complex Buildings	☐ Fire Protection	☒ On-site Sewage Systems

Description of designer's work

DESIGN CHANGES TO EXISTING CLASS IV SEWAGE TREATMENT SYSTEM TO SUPPORT RENOVATION/ADDITION TO EXISTING SINGLE FAMILY RESIDENCE

D. Declaration of Designer

I ALLEN BAILEY declare that (choose one as appropriate):
(print name)

I review and take responsibility for the design work on behalf of a firm registered under subsection 3.2.4.of Division C, of the Building Code. I am qualified, and the firm is registered, in the appropriate classes/categories.

Individual BCIN: 40139

Firm BCIN: 40493

I review and take responsibility for the design and am qualified in the appropriate category as an "other designer" under subsection 3.2.5.of Division C, of the Building Code.

Individual BCIN: _____

Basis for exemption from registration: _____

The design work is exempt from the registration and qualification requirements of the Building Code.

Basis for exemption from registration and qualification: _____

I certify that:

1. The information contained in this schedule is true to the best of my knowledge.
2. I have submitted this application with the knowledge and consent of the firm.

MARCH 28 2024 — Allen R Bailey
Date — Signature of Designer

NOTE:

1. For the purposes of this form, "individual" means the "person" referred to in Clause 3.2.4.7(1) (c).of Division C, Article 3.2.5.1. of Division C, and all other persons who are exempt from qualification under Subsections 3.2.4. and 3.2.5. of Division C.
2. Schedule 1 is not required to be completed by a holder of a license, temporary license, or a certificate of practice, issued by the Ontario Association of Architects. Schedule 1 is also not required to be completed by a holder of a license to practise, a limited license to practise, or a certificate of authorization, issued by the Association of Professional Engineers of Ontario.

Schedule 2: Sewage System Installer Information

A. Project Information

Building number, street name	Unit number	Lot/con.
288 HWY 24 S. WAL	288	16 / CON 4

Municipality	Postal code	Plan number/ other description
NORFOLK COUNTY	N0E 1X0	543 020 15600 0000

B. Sewage system installer

Is the installer of the sewage system engaged in the business of constructing on-site, installing, repairing, servicing, cleaning or emptying sewage systems, in accordance with Building Code Article 3.3.1.1, Division C?

- [x] Yes (Continue to Section C)
- [ ] No (Continue to Section E)
- [ ] Installer unknown at time of application (Continue to Section E)

C. Registered installer information (where answer to B is "Yes")

Name	BCIN
300790 ONT. LTD. BAILEY TRUCKING	40493

Street address	Unit number	Lot/con.
2627 N. Rd. 45 RR#3 LANGTON	2627	20 / 9

Municipality	Postal code	Province	E-mail
N. WAL. NORFOLK CTY	N0E 1G0	ONTARIO	office.baileytrucking@gmail.com

Telephone number	Fax	Cell number
519 983 0285 (MIKE)		519 983 3058 (AL

D. Qualified supervisor information (where answer to section B is "Yes")

Name of qualified supervisor(s)	Building Code Identification Number (BCIN)
ALLEN BAILEY MIKE THOMPSON	40139

E. Declaration of Applicant:

I TIMOTHY RIVARD (print name) declare that:

I am the applicant for the permit to construct the sewage system. If the installer is unknown at time of application, I shall *submit a new Schedule 2 prior to construction when the installer is known;*

OR

I am the holder of the permit to construct the sewage system, and am submitting a new Schedule 2, now that the installer is known.

I certify that:

1. *The information contained in this schedule is true to the best of my knowledge.*
2. If the owner is a corporation or partnership, I have the authority to bind the corporation or partnership.

APRIL 1 2024 X

Date Signature of applicant

E. Builder (optional)

Last name	First name	Corporation or partnership (if applicable)	
BAILEY	ALLEN	300790 ONT. LTD./BAILEY TRUCKING	
Street address		**Unit number**	**Lot/con.**
2627 NORFOLK Rd. 45 RR#3 LANGTON		2627	20/9
Municipality	**Postal code**	**Province**	**E-mail**
N.WM NORFOLK COUNTY	N0E 1G0	ONTARIO	office.baileytrucking@gmail.com
Telephone number	**Fax**		**Cell number**
519 983 3058			519 983 3058

F. Tarion Warranty Corporation (Ontario New Home Warranty Program)

i. Is proposed construction for a new home as defined in the *Ontario New Home Warranties Plan Act*? If no, go to section G.	☐ Yes	☒ No
ii. Is registration required under the *Ontario New Home Warranties Plan Act*?	☐ Yes	☒ No

iii. If yes to (ii) provide registration number(s): _____

G. Required Schedules

i) Attach Schedule 1 for each individual who reviews and takes responsibility for design activities.

ii) Attach Schedule 2 where application is to construct on-site, install or repair a sewage system.

H. Completeness and compliance with applicable law

i) This application meets all the requirements of clauses 1.3.1.3 (5) (a) to (d) of Division C of the Building Code (the application is made in the correct form and by the owner or authorized agent, all applicable fields have been completed on the application and required schedules, and all required schedules are submitted).	☒ Yes	☐ No
Payment has been made of all fees that are required, under the applicable by-law, resolution or regulation made under clause 7(1)(c) of the *Building Code Act, 1992*, to be paid when the application is made.	☒ Yes	☐ No
ii) This application is accompanied by the plans and specifications prescribed by the applicable by-law, resolution or regulation made under clause 7(1)(b) of the *Building Code Act, 1992*.	☒ Yes	☐ No
iii) This application is accompanied by the information and documents prescribed by the applicable by-law, resolution or regulation made under clause 7(1)(b) of the *Building Code Act, 1992* which enable the chief building official to determine whether the proposed building, construction or demolition will contravene any applicable law.	☒ Yes	☐ No
iv) The proposed building, construction or demolition will not contravene any applicable law.	☒ Yes	☐ No

I. Declaration of applicant

I TIMOTHY RIVARD (print name) declare that:

1. The information contained in this application, attached schedules, attached plans and specifications, and other attached documentation is true to the best of my knowledge.
2. If the owner is a corporation or partnership, I have the authority to bind the corporation or partnership.

APRIL 1 2024 — Date

X _____ Signature of applicant

Personal information contained in this form and schedules is collected under the authority of subsection 8(1.1) of the *Building Code Act, 1992*, and will be used in the administration and enforcement of the *Building Code Act, 1992*. Questions about the collection of personal information may be addressed to: a) the Chief Building Official of the municipality or upper-tier municipality to which this application is being made, or, b) the inspector having the powers and duties of a chief building official in relation to sewage systems or plumbing for an upper-tier municipality, board of health or conservation authority to whom this application is made, or, c) Director, Building and Development Branch, Ministry of Municipal Affairs and Housing 777 Bay St., 2nd Floor. Toronto, M5G 2E5 (416) 585-6666.

Norfolk COUNTY

Permit Applicant Authorization

This form must be completed for all building permit applications where the applicant is the Owner's Agent

A. Project Information

Property Address	Unit number	Lot/con.
288 HWY 24 S. WAL.	288	16/4

Municipality	Postal Code
NORFOLK COUNTY	

B. Property Owner(s)

Last name	First name	Corporation or partnership
RIVARD	TIMOTHY	

Street address	Unit number
288 HWY 24 S. WAL.	288

Municipality	Postal code	Province	E-mail
NORFOLK COUNTY	NOE 1X0	ONT.	

Telephone number	Cell number
905 818 1951	905 818 1951

Last name	First name	Corporation or partnership

Street address	Unit number

Municipality	Postal code	Province	E-mail

Telephone number	Cell number

D. Declaration of Property Owner(s)

I TIMOTHY RIVARD, hereby
Name of Property Owner(s) (please print)

authorize and appoint the party stated in Section C of this form as my agent for the purposes of the submitted permit application. I understand that all communications and correspondence regarding this application shall be directed to the applicant.

APRIL 1 2024 X
Date Signature of Property Owner(s)

Note:

1. The Ontario Building Code states that "owner includes, in respect of the property on which the construction or demolition will take place, the registered owner, a lessee or mortgagee in possession".

Personal information contained in this form is collected under the authority of Subsection 8(1.1) of the *Building Code Act, 1992*, and will be used in the administration and enforcement of the *Building Code Act, 1992*.

Worksheet E: Leaching Bed Calculations (Class 4)

Part 1: Complete All

Type of leaching bed (select one)

☒ A. Absorption trench ☐ B. Filter Bed ☐ C. Shallow Buried Trench
☐ D. Advance Treatment System ☐ E. Type A Dispersal Bed ☐ F. Type B Dispersal Bed

Percolation rate of native soil (T): 10 NORFOLK SOIL'S ANALYSIS

Name of licensed testing agency: NORFOLK SOIL'S ANALYSIS

☒ In ground system
☐ Raised Bed system

Height raised above original grade (metres) 0

Mantel (if applicable) ☐ Imported ☐ Native Soil

Q/loading rate = _____ m2 Configured as: _____ m X _____ m

Part 2: Complete One of A, B, C, D, E, F

☐ A. Absorption Trench

Total length of distribution pipe

Conventional (Q x T) ÷ 200 = 60.9 m m
Type I leaching chambers (Q x T) ÷ 200 = _____ m
Type II leaching chambers (Q x T) ÷ 300 = 55 m m
Configured as: 4 + 2 runs of 60.955 m Total: 115.9 m

☐ B. Filter Bed

Effective Area
If Q ≤ 3000 litres per day use Q ÷ 75
If Q > 3000 litres per day use Q ÷ 50
Level II-IV treatment units, use Q ÷ 100

Effective area: _____ (Q) ÷ _____ (75, 50, or 100) = _____ m^2
Configured as: _____ m x _____ m
Number of beds _____

Distribution Pipe
Contact Area = (Q x T) ÷ 850
Mantel (see Part 1)

Number of runs: _____ Spacing of runs: _____ m
Contact Area: (_____ (Q) X _____ (T)) ÷ 850 = _____ m^2
_____ m^2

☐ C. Shallow Buried Trench

Percolation time (T) of soil in minutes:	Length of distribution pipe (metres)
1 < T ≤ 20	Q ÷ 75 metres
20 < T ≤ 50	Q ÷ 50 metres
50 < T < 125	Q ÷ 30 metres

(L) = _____ (Q) ÷ _____ (75, 50, 30) = _____ m
Configured as: _____ runs of _____ m Total: _____ m

☐ D. Advance Treatment System

Provided BMEC or CAN/BNQ approval, and manufacturer's system design documentation.

☐ E. Type A Dispersal Bed

Stone Layer
If Q ≤ 3000 litres per day, use Q ÷ 75
If Q > 3000 litres per day, use Q ÷ 50

Stone Layer = _____ (Q) ÷ _____ (75 or 50) = _____ m^2

Sand Layer
1 < T ≤ 15 use (Q x T) ÷ 850
T > 15 use (Q x T) ÷ 400

Sand Layer = (_____ (Q) x _____ (T)) ÷ (850 or 400) = _____ m^2

☐ F. Type B Dispersal Bed

Area = (Q X T) ÷ 400
Linear Loading Rate (LLR)
T < 24 minutes, use 50 L/min
If T ≥ 24 minutes, use 40 L/min

Area = (_____ (Q) x _____ (T)) ÷ 400 = _____ m2
Pump chamber capacity = _____ L
Length (Q ÷ LLR) = _____ m
Bed configuration = _____ m x _____ m = _____ m2
Number of Beds = _____

Distribution Pipe

Configured as: _____ runs of _____ m Total: _____ m

Project Address: 288 HWY 24 W S. WAL.

Septic Permit System Summary / Overview

Applicable Law Documents Attached (check all applicable)

- □ Conservation Authority Approval
- □ Source Water Protection
- □ Construction in Hazard Lands
- □ Site Plan Approval
- □ Minor Variance
- □ Grading Plan (raised beds)

Total Number of Bedrooms 5 Total Number of Fixture Units 22

Total Finished Floor Area 205.5 m² 2214 sq.ft Daily Design Flow (Q) (litre/day) 2800

☒ Residential (dwelling) □ Camp for the Housing of Workers □ Other occupancy (Identify) _____

Water Supply:	**Type of Native Soil:**	**Type of Imported Fill:**
□ Municipal	YELLOW SAND UNDER TOPSOIL	_____
□ Dug Well	☒ Soils Analysis attached	□ Soils Analysis attached
□ Drilled well	Percolation rate ('T' time): 10	Percolation rate ("t" time): _____
☒ Shallow Well Point	Depth to water table: 2m+	
□ Other: _____	Slope of land in tile bed area 0 %	

Class of System □ Class 2 – Greywater ☒ Class 4 – Leaching Bed System □ Class 5 – Holding Tank

System Components (Complete all that apply)

- ☒ Septic tank capacity (L) 5600
- □ Pump capacity (L) _____
- □ Distribution Box
- □ Other (please specify) _____
- □ Advance Treatment Unit capacity: (L) _____

Manufacture and Model EXISTING REID'S 3600 L + NEW REID'S 2025L SOAP TRAP.

Method of Distribution Pipe Detection

- ☒ magnetic means
- □ tracer wire (14 gauge TW solid copper light coloured plastic coated)
- □ other means (please specify) _____

Complete A, B, C, D, E, or F – Class 4 Systems Only

A. ABSORPTION TRENCH
☒ In- ground □ Raised
☒ Distribution pipe EXISTING
☒ Leaching chambers □ Type I
ADDITIONAL ☒ Type II
Length of pipe 115.9 m
□ Mantel Required
Mantel Area _____ m²

B. FILTER BED
□ In- ground □ Raised
Effective Area: _____ m²
Contact Area: _____ m²
□ Distribution pipe
□ Leaching chambers □ Type I □ Type II
□ Mantel Required
Mantel Area _____

C. SHALLOW BURIED TRENCH
Type: _____
Length of chamber: _____ m

D. ADVANCE TREATMENT SYSTEM (BMEC & CAN/BNQ)
□ BMEC authorization provided
□ CAN/BNQ authorization provided
□ Service agreement provided
Mantel area: _____ m²
Stone layer area: _____ m²
Sand layer area: _____ m²
□ System specifications provided
□ Manufacturer's installation manual provided

E. TYPE A DISPERSAL BED
□ In- ground □ Raised
Length of pipe _____ m
Mantel Area _____ m²
Stone layer area: _____ m²
Sand layer area: _____ m²

F. TYPE B DISPERSAL BED
□ In- ground □ Raised
Stone layer area _____ m2
Linear loading rate □ 40 L/m □ 50 L/m

Worksheet A: Dwellings - Daily Design Flow Calculations (Q)

A) Residential Occupancy		(Q) Litres	Total
Number of Bedrooms	1 Bedroom	750	
	2 Bedrooms	1100	
	3 Bedrooms	1600	
	4 Bedrooms	2000	
	5 Bedrooms	2500	2500
		Subtotal (A)	2500

B) Plus Additional Flow for: Note: Use the largest additional flow calculation to determine Daily Design Flow (Q). If none apply Subtotal (B) is zero.		Quantity	(Q) Litres	Total
Either	Each bedroom over 5		500	
Or	Floor space for each 10m² over 200m² up to 400m²	15m²	100	300
	Floor space for each 10m² over 400m² up to 600m²		75	
	Floor space for each 10m² over 600m²		50	
Or	Each Fixture Unit over 20 fixture Units *(Total of Worksheet B - 20 = Quantity)*		50	
			Subtotal (B)	300
			Subtotal A+B=Daily Design Flow (Q)	2800

Worksheet B: Dwellings Fixture Unit Count

Fixtures	Units		How Many?		Total
Bath group (toilet, sink, tub or shower) with flush tank	6.0	X	2	=	12
Bathtub only(with or without shower)	1.5	X		=	
Shower stall	1.5	X		=	
Wash basin / Lavatory (1.5 inch trap)	1.5	X	1	=	1.5
Water closet (toilet) tank operated	4.0	X	1	=	4
Bidet	1.0	X		=	
Dishwasher	1.0	X		=	
Floor Drain (3 inch trap)	3.0	X	1	=	3
Sink (with/without garbage grinder, domestic and other small type single, double or 2 single with a common trap)	1.5	X		=	
Domestic washing machine	1.5	X	1	=	1.5
Combination sink and laundry tray single or double (installed on 1.5 inch trap)	1.5	X		=	
Other:					
				Total Number of Fixture Units:	22

1. Refer to Ontario Building Code Division B Table 7.4.9.3 for a complete listing of fixture types and units.
2. Where the laundry waste is not more than 20% of the total daily design flow, it may discharge to the sewage system. OBC 8.1.3.1(2)
3. Sump pumps are not to be connected to the sewage system. Connection to sewage system may lead to a hydraulic failure of the system.

Worksheet C: Other occupancies types

Camp for the Housing of Workers	Number of Employees	(Q) Litres	Total
Note: building size, number of bedrooms and fixture count are not required for a Camp for the Housing of Workers		250	
		Daily Design Flow (Q)	

Other Occupancy Daily Design Flow Calculation (Q)

To calculate the daily design flow for occupancies, please refer to Ontario Building Code Division B – Part 8 Table 8.2.1.3.B

Establishment	Operator Example: number of seats, per floor area, number of employees/students	Volume Litres	Total
		Daily Design Flow (Q)	

Work Sheet D: Septic Tank Size

Minimum septic tank size permitted by the Ontario Building Code is 3600 litres.

Occupancy type	Daily Design Flow (Q)	Minimum tank size (L)
Residential Occupancy house, apartment, camp for housing of workers	2800 LPD x 2 =	5600
All Other Occupancies	x 3 =	

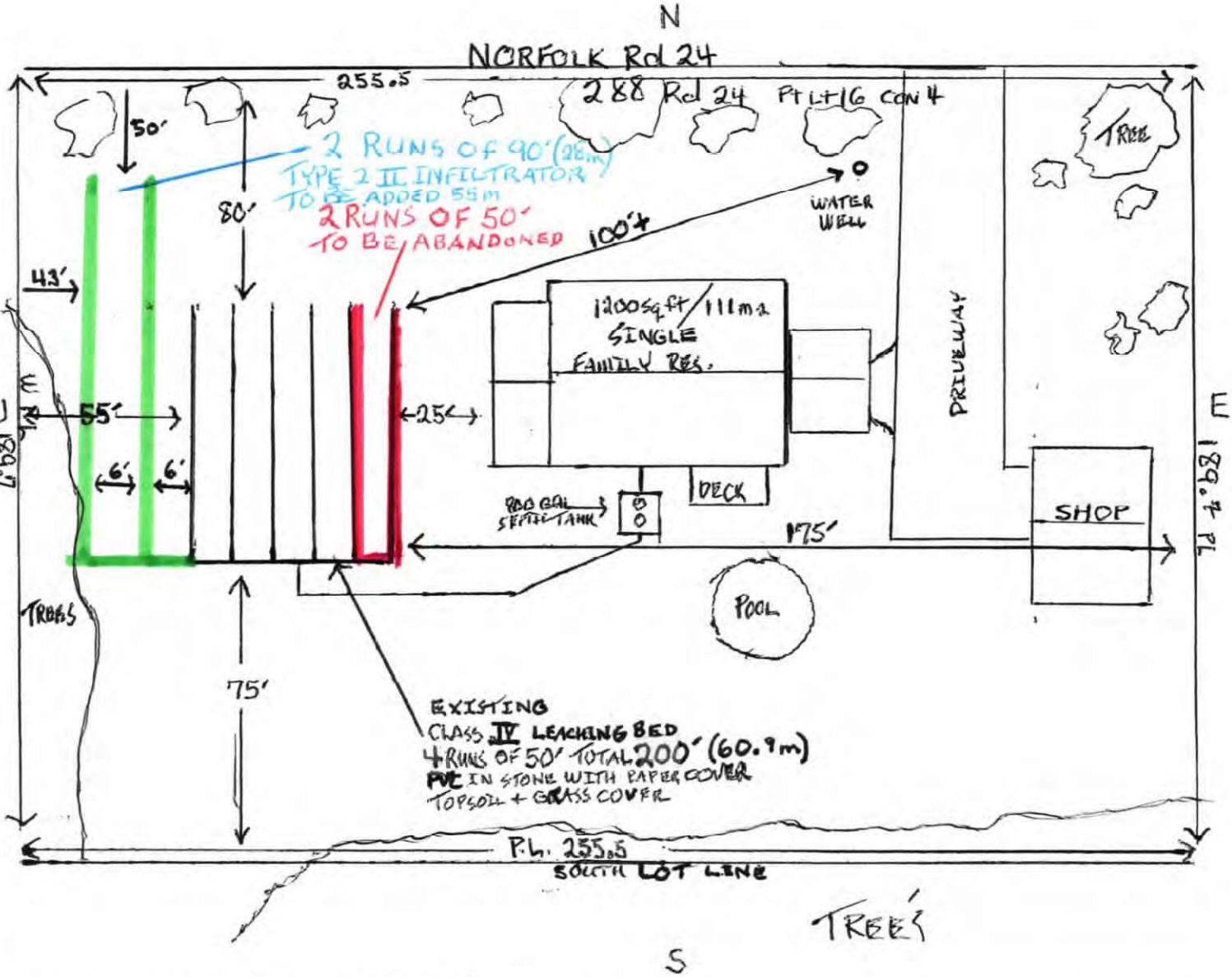
On Site Sewage Disposal System Location Plan

DATE: MARCH 30 2024 APPLICATION NUMBER: _____

OWNER TIMOTHY RIVARD/MELISSA HEFFERNAN EVALUATOR ALLEN BAILEY

PROPERTY ADDRESS 288 NORFOLK CTY Rd. 24 WALSINGHAM ONT

Please provide a DIMENSIONED sketch drawing indicating EXISTING AND PROPOSED property lines, existing roads and driveways, location of all existing buildings, location of existing wells, and location of existing septic tanks and tile beds.



PREPARED BY: ALLEN BAILEY #40139
BAILEY TRUCKING #40493

NOTE: The above sketch is not to exact scale.

Worksheet F: Cross Sectional Drawings

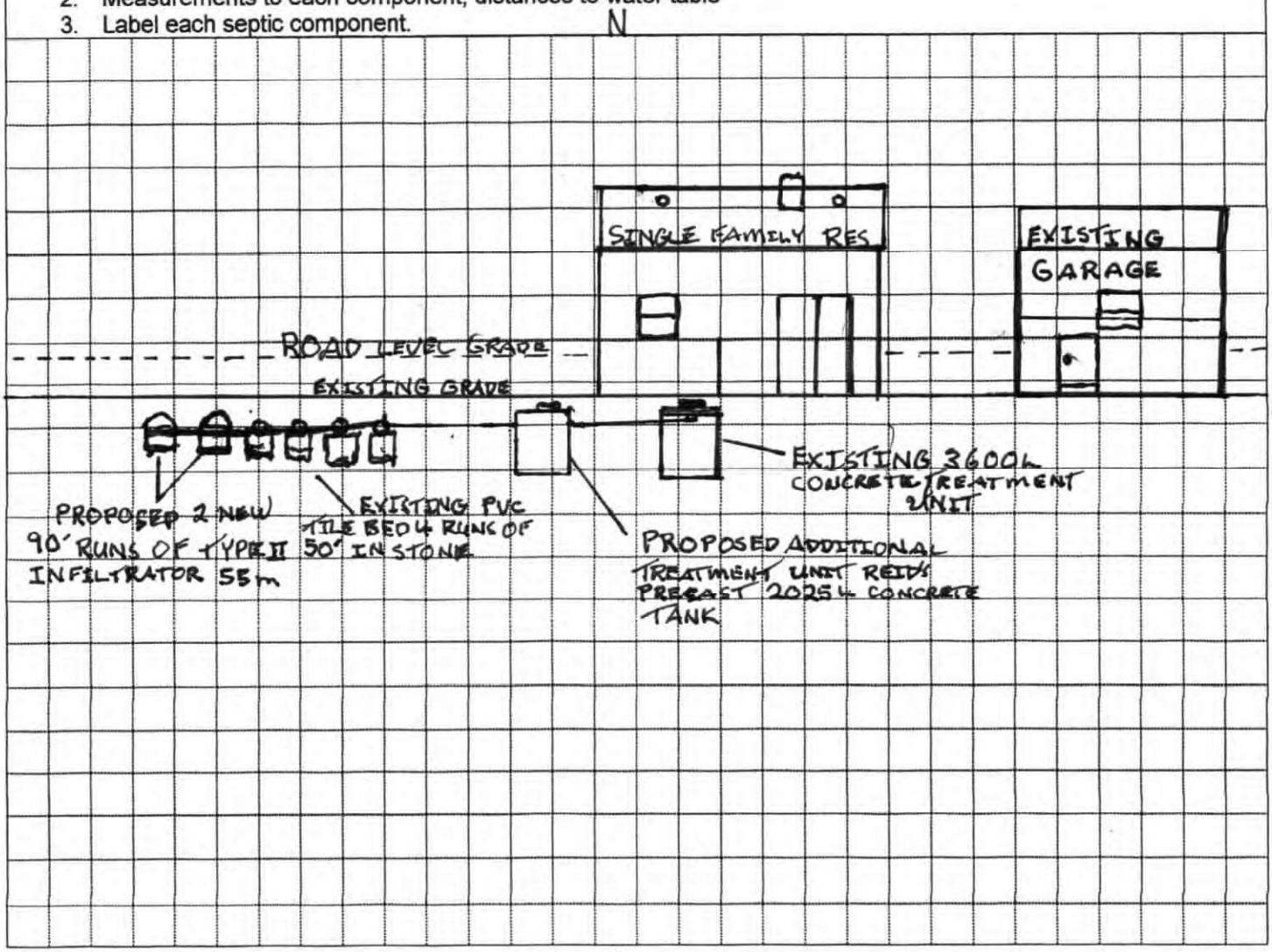
Subsoil Investigation – Test pit

1. Soil sample to be taken at a depth of 1 m
2. Test pit to be a minimum 0.9m

Indicate level of rock and ground water level below original grade.		Soil and subgrade investigation. Indicate soil types
NO ROCK, GRAVEL OR WATER TO AT LEAST 1.8m	Original grade TOPSOIL 0.5m YELLOW SAND 1.0m 1.5m	TOPSOIL + YELLOW SAND WITH A T of 10

Cross sectional drawings are required for all septic systems

1. Location of existing grade.
2. Measurements to each component, distances to water table
3. Label each septic component.



NORFOLK SOILS ANALYSIS

(a division of 002068251 Ontario Inc.)
55 Gibson Drive, Simcoe ON N3Y3L1, 519 410 6111, email: norfolksoils@gmail.com

April 4, 2024

Project #: 2024055

To: Tim Rivard,
288 Highway 24 West Walsingham,
Simcoe ON N0E 1M0,

Project: Soils Analysis Property of Tim Rivard, 288 Highway 24 West Walsingham, Norfolk County

Soils analysis in accordance with Section 8.2.1.2 of the Ontario Building Code, The Unified soil Classification System, and ASTM D6913 of which the distribution graph representing the sample provided is attached.

Based on the testing of the materials as provided it is our opinion that based on the required testing the **Percolation Rate is T = 10 min/cm.** The drainage characteristics of the soil for the proposed septic system appears to be suitable for an in-ground leeching bed system.

In accordance with the Unified Soil Classification System (USCS) the Laboratory Classification of the soils SP **– Poorly Graded Sand**, with total fines <12% specifically 10.23% of soil passing the No #200 sieve.

The Coefficient of Uniformity = 3.73
Coefficient of Curvature = 1.79

I trust this meets with your requirements for the soil sample provided.

Yours Truly,

D Free

D. R. Free, MBA, CPA, CET
BCIN 109582

Encls

NORFOLK SOILS ANALYSIS (a division of 002068251 Ontario Inc.)

Sieve Analysis Data Sheet

ASTM D422-63(2007)

Project Name:	SA2024055	**Tested By:**	DRF	**Date:**	2024-04-04
Location:	288 Highway 24 West Walsingham, Norfolk County	**Checked By:**	DRF BCIN 109582	**Date:**	2024-04-04
Client	Tim Rivard, 288 Highway 24 West Walsingham, Simcoe ON N0E 1M0	**Property Owner**	Tim Rivard		
Boring No:	NA	**Test Number:**	1		
Sample Depth:	NA	**Gnd Elev.:**	NA		

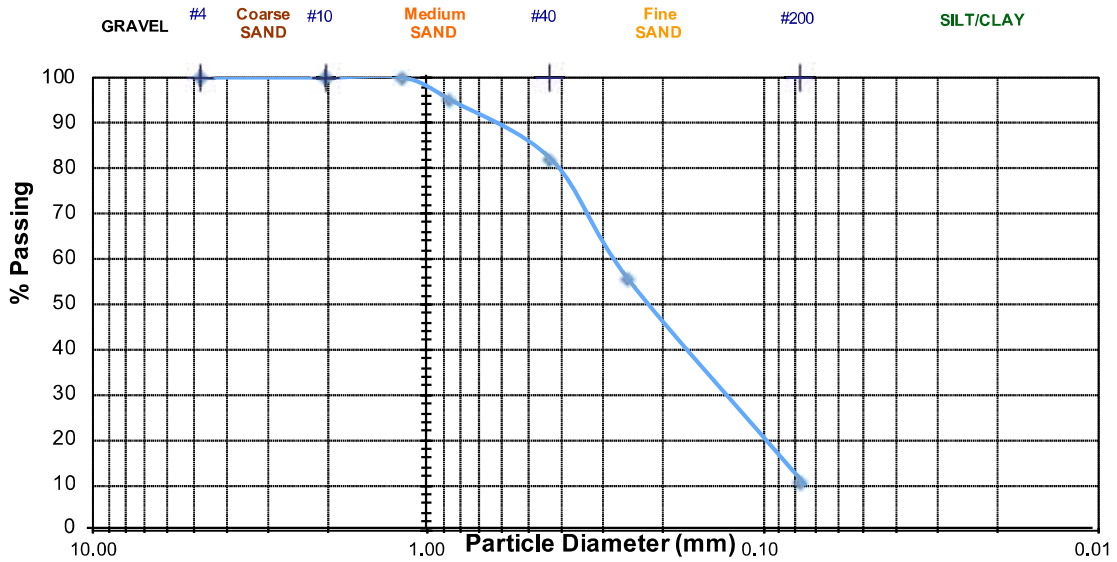
USCS Soil Classification: SP – Poorly Graded sand < 12%

AASHTO Soil Classification: A-1-a

Weight of Container (g): 76.4 **Weight of Container & Soil (g):** 688.1

Weight of Dry Sample (g): 568.5 **Moisture Content %** 7.1%

Sieve Number	Diameter (mm)	Mass of Sieve (g)	Mass of Sieve & Soil (g)	Soil Retained (g)	Soil Retained (%)	Soil Passing (%)
#4	4.75	749.6	749.6	0.0	0.0	100.0
#10	2.00	670.0	670.0	0.0	0.0	100.0
#16	1.18	653.0	653.0	0.0	0.0	100.0
#30	0.85	582.6	611.0	28.4	5.0	95.0
#50	0.43	561.6	636.8	75.2	13.2	81.8
#100	0.25	529.2	680.3	151.1	26.6	55.2
#200	0.075	512.1	767.5	255.4	44.9	10.3
Pan		283.1	341.3	58.2	10.2	0.0
			TOTAL:	**568.3**	**100.0**	



Grain Size Distribution Curve Results:

% Gravel:	1.300	D_{10}:	0.075	C_u:	3.73
% Sand:	88.463	D_{30}:	0.150	C_c:	1.786
% Fines:	10.237	D_{60}:	0.280		
	100.000				

CERTIFIED ENGINEERING TECHNOLOGIST
OACETT
ONTARIO
DAVID R. FREE
Nº 15185

Notice to Reader & Limitations:
These test results are unique to this soil sample and for the client as identified on the date for which the tests were performed. These test results cannot be used by any other party other than the client stated above within the text of this report without the consultants prior written approval.

NORFOLK SOILS ANALYSIS

(a division of 002068251 Ontario Inc.)
55 Gibson Drive, Simcoe ON N3Y3L1, 519 410 6111, email: norfolksoils@gmail.com

April 4, 2024

Invoice #: 2024055

To: Tim Rivard,
288 Highway 24 West Walsingham,
Simcoe ON N0E 1M0

Project: Soils Analysis Property of Tim Rivard, 288 Highway 24 West Walsingham, Norfolk County

Soils analysis in accordance with Section 8.2.1.2 of the Ontario Building Code, The Unified soil Classification System, and ASTM D6913 of which the soils gradation distribution graph representing the sample provided is attached.

Our Fee in Total: $370.00

HST 894069806 $ 48.10

Total **$418.10**

Please make
e-transfer payment to joanfree55@icloud.com

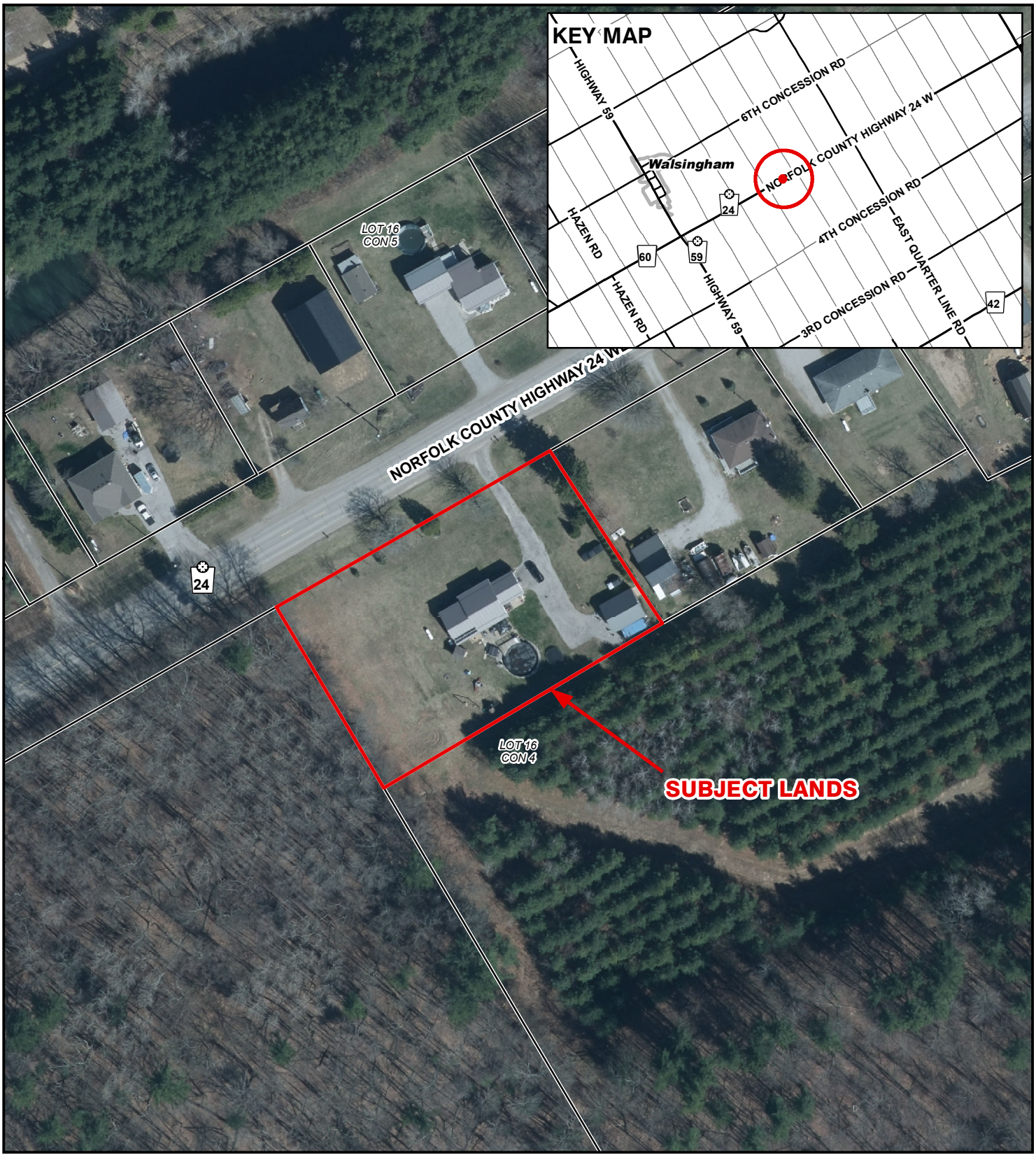
Payment Due on Receipt of Invoice

MAP A

ANPL2024130

CONTEXT MAP

Geographic Township of SOUTH WALSINGHAM



Legend

Subject Lands

2020 Air Photo

5/29/2024

N

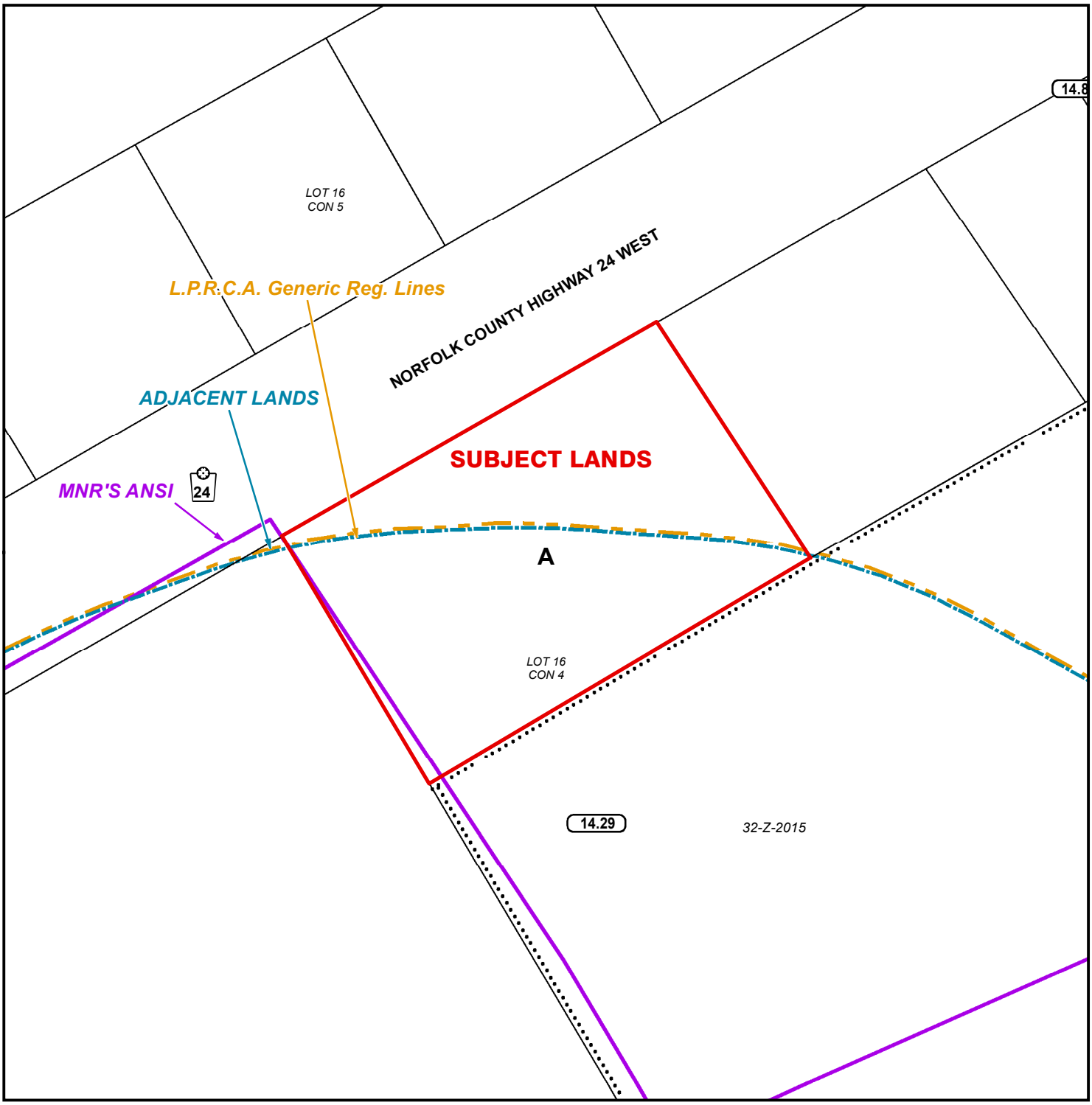
10 5 0 10 20 30 40 Meters

MAP B

ANPL2024130

ZONING BY-LAW MAP

Geographic Township of SOUTH WALSINGHAM



ZONING BY-LAW 1-Z-2014

5/29/2024

(H) - Holding

A - Agricultural Zone

LEGEND

- Subject Lands
- Adjacent Lands
- MNR ANSI
- LPRCA Generic RegLines

N

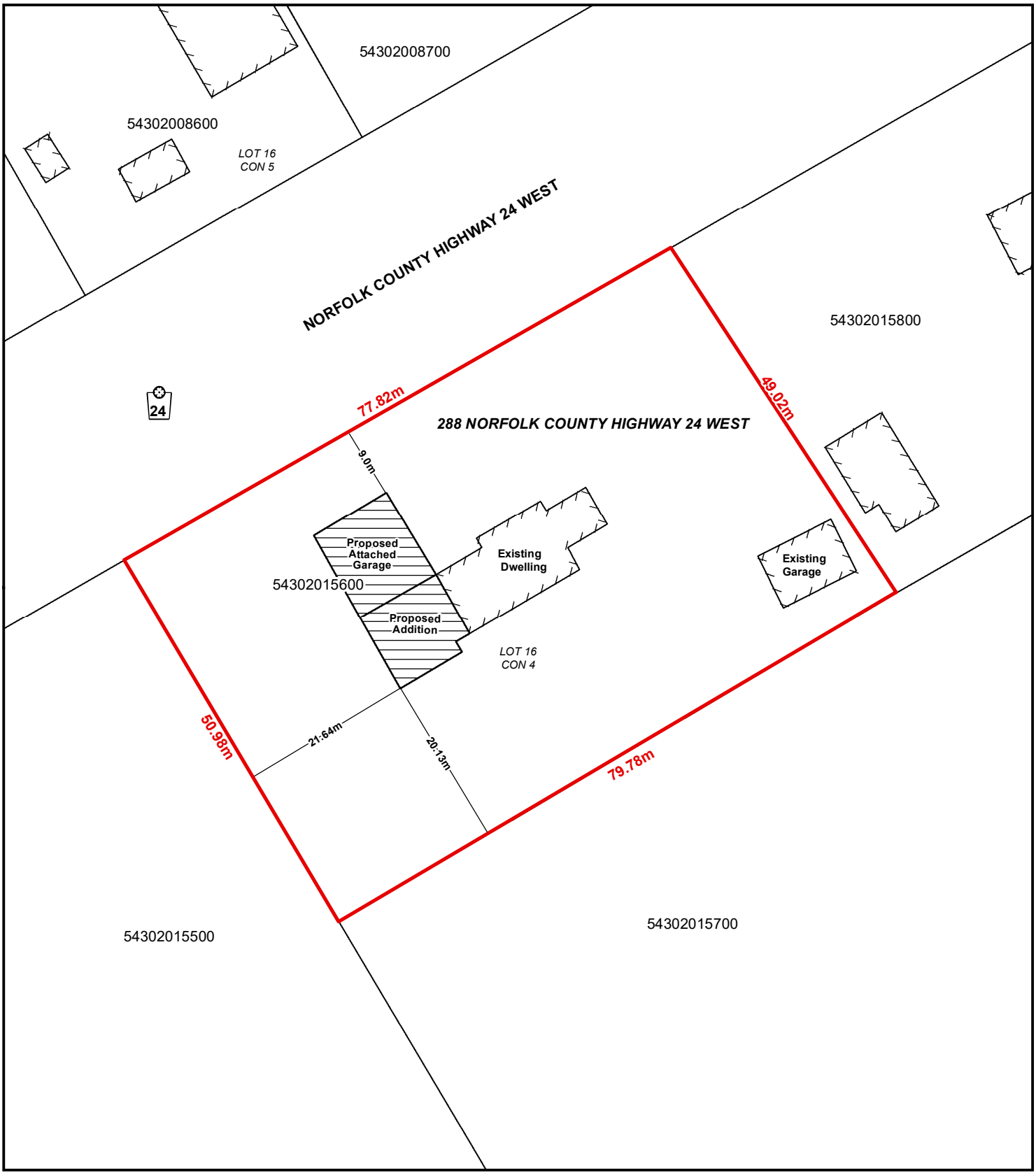
8 4 0 8 16 24 32 Meters

MAP C

ANPL2024130

CONCEPTUAL PLAN

Geographic Township of SOUTH WALSINGHAM



Legend

Subject Lands

5/29/2024

N

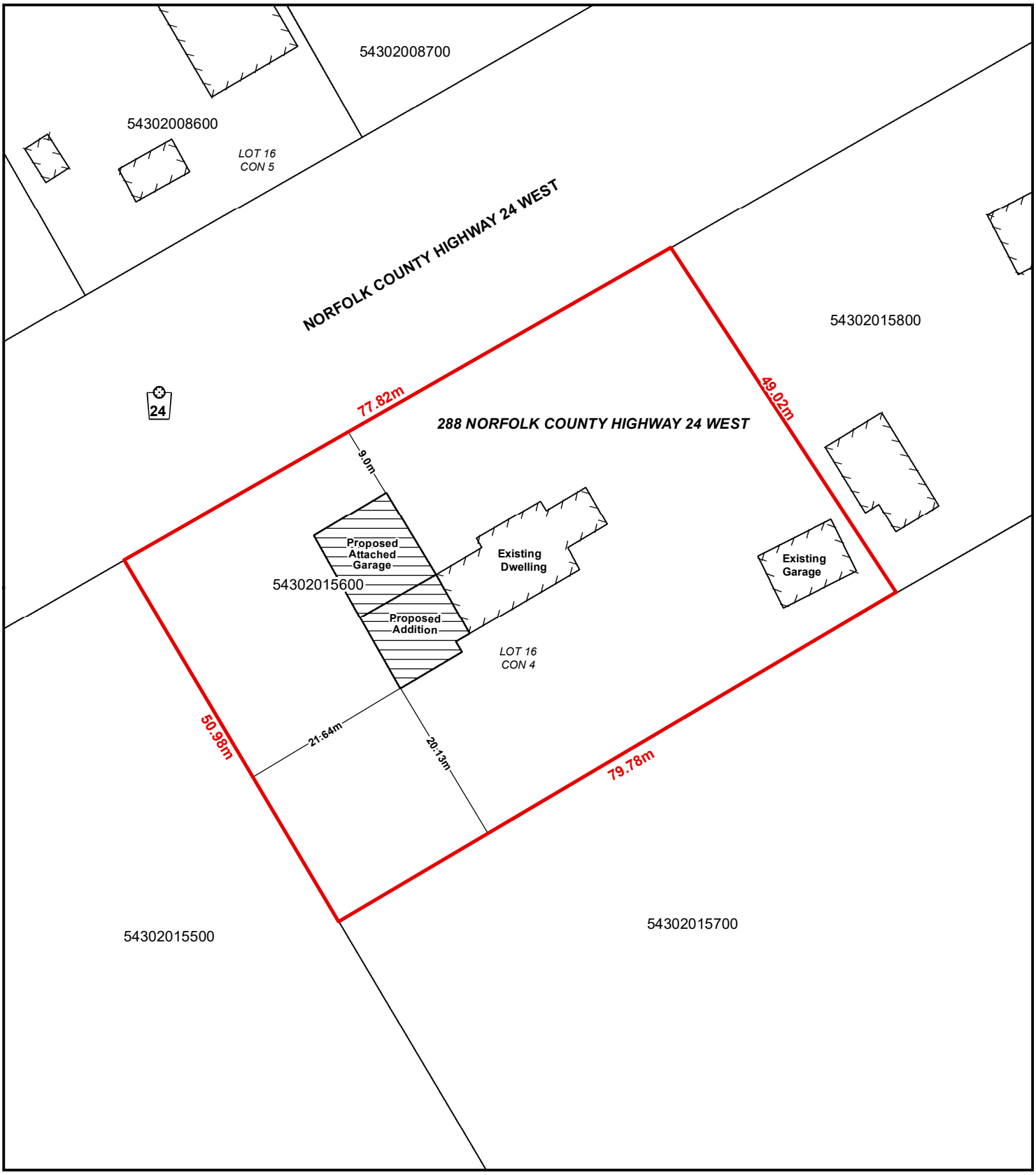
5.5 2.75 0 5.5 11 16.5 22 Meters

LOCATION OF LANDS AFFECTED

ANPL2024130

CONCEPTUAL PLAN

Geographic Township of SOUTH WALSINGHAM



Legend

Subject Lands

5/29/2024

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