s in
s in



Name of Agent	David McPherson		
Address	8 Culver Lane		
Town and Postal Code	Simcoe, ON N3Y	5C8	
Phone Number			
Cell Number	519-427-6483		
Email	david-a-mcpherson@	notmail.com	
Please specify to whom all correspondence and owner and agent noted a	notices in respect	s should be sent. Unless oth of this application will be for	erwise directed, varded to the
☐ Owner	Agent	☐ Applicant	
Names and addresses of encumbrances on the su		mortgagees, charges or oth	ner
<ol> <li>Location, Legal De</li> <li>Legal Description (in Block Number and U</li> <li>Lot 20 Concession 4 Ch</li> </ol>	clude Geographic rban Area or Ham	Township, Concession Num	ber, Lot Number,
Municipal Civic Addr			
Present Official Plan	Designation(s):	Hazard Land	
Present Zoning: Agri			
2. Is there a special pro	vision or site spec	ific zone on the subject land	s?
■ Yes □ No If yes 14.250	s, please specify:		
Present use of the se Residential	ubject lands:		



4.	Please describe <b>all existing</b> 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:  Existing is a single storey house, damaged by fire June 17, 2024 and now subject to demolition
	Existing is a single storey house, damaged by the dame 17, 2021 and non-dasjoet is
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.  n/a
6.	Please describe <b>all proposed</b> 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:  Proposed is a replacement dwelling of 285.8 sqm with an attached garage of 277.5 sqm for
	a combined building area of 657.6 sqm
7.	Are any existing buildings on the subject lands designated under the <i>Ontario</i> 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:
9.	Existing use of abutting properties:  agricultural and residential
10	). Are there any easements or restrictive covenants affecting the subject lands?
10	☐ 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	73.8 m	13 m		73.8 m	1	
Lot depth						
Lot width	73.8 m					evipe toko iza zo izazania
Lot area	3,480 sqm					
Lot coverage						
Front yard	18.2 m	13m		18.2 m	1	
Rear yard	7.62 m	6.1 m	14.250	7.62 m	1	
Height	9 m	11 m		9 m		
Left Interior side yard	14.9 m	12.2 m	14.250	6.09 m	า	6.11 m
Right Interior side yard	7.62 m	6.1 m	14.250	7.62 m		
Exterior side yard (corner lot)						
Parking Spaces (number)						
Aisle width						
Stall size						
Loading Spaces						
Other						



	why it is not possible to	comply with the provis	sion(s) of the Zoning
By-law: The owern has de	esigned a large attached gar	rage on the south side of the	e replacement house
requiring a reduct	tion in the south side yard se	tback. LPRCA has granted	approval and issued a permit.
	rance/Boundary Adju	stment: Description of	land intended to be
severed in met Frontage:	n/a		
	<u> </u>		
Depth:			
Width:			
Lot Area:			
Present Use:	-		
Proposed Use:	·		
	lot size (if boundary ad		
If a boundary a	adjustment, identify the	assessment roll numb	er and property owner of
the lands to wh	nich the parcel will be a	dded:	
-			
Description of Frontage:	land intended to be reta	ained in metric units:	
Depth:			
Width:			
Lot Area:			
Present Use:			
Proposed Use			
2011	27 A 10 BW		
Buildings on re	etained land:		
Easement/Rig	ht-of-Way: Description	n of proposed right-of-v	vay/easement in metric
units:			
Frontage:	n/a		
Depth:			



	Width:			
	Area:			
	Proposed Use:			
5.	Surplus Farm Dv which are owned	velling Severances O and farmed by the app	nly: List all properties in No licant and involved in the fa	rfolk County, rm operation
Ov	vners Name:	n/a		
Ro	Il Number:			
То	tal Acreage:	1		
	orkable Acreage:	<u></u>		
			chard, livestock)	
D١	welling Present?:	☐ Yes ☐ No If yes,	year dwelling built	
Da	ate of Land Purcha	se:		
0	wners Name:			
R	oll Number:			
To	otal Acreage:			
	orkable Acreage:			
			chard, livestock)	
D	welling Present?:	☐ Yes ☐ No If yes,	year dwelling built	
D	ate of Land Purcha	ise:		
0	wners Name:			
R	oll Number:			
Т	otal Acreage:			
	/orkable Acreage:			
			rchard, livestock)	
D	welling Present?:	$\square$ Yes $\square$ No If yes,	year dwelling built	
D	ate of Land Purcha	ase:		



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):
<ol> <li>Is there reason to believe the subject lands may have been contaminated by former uses on the site or adjacent sites? ☐ Yes ☐ No ☐ Unknown</li> </ol>
uses on the site of adjacent sites? — Tes = No - Onknown
3. Provide the information you used to determine the answers to the above questions: Information provided by owner.



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? $\square$ Yes $\square$ No
Ε.	All Applications: Provincial Policy
1.	Is the requested amendment consistent with the provincial policy statements issued under subsection 3(1) of the <i>Planning Act, R.S.O. 1990, c. P. 13</i> ? ■ 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:
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:  Property is not within a WHPA
	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 8 m
	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 ☐ 62 m
	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 Acces	s		
1.	Indicate what services are available or pr			
	Water Supply			
	☐ Municipal piped water		Communal w	ells
	■ Individual wells		Other (descri	be below)
	Sewage Treatment			
	☐ Municipal sewers		Communal s	ystem
	Septic tank and tile bed in good work	king order $\ \square$	Other (descri	be below)
	Storm Drainage			
	☐ Storm sewers	•	Open ditches	
	☐ Other (describe below)			
20200				
2.	Existing or proposed access to subject la			
	Municipal road		Provincial hi	ghway
	☐ Unopened road		Other (descr	be below)
	Name of road/street:			
Wa	ter Street			
G.	All Applications: Other Information			
1.	Does the application involve a local business	iness? 🗆 Ye	s 🔳 No	
	If yes, how many people are employed	on the subjec	t lands?	
2.	Is there any other information that you the application? If so, explain below or atta	hink may be ા ch on a sepa	useful in the re rate page.	view of this
	Premise and Justification report is attached			



#### 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
- Existing and proposed easements and right of ways
- Parking space totals required and proposed
- All dimensions of the subject lands
- Dimensions and setbacks of all buildings and structures
- 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
- 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 authorize and consent to the use by or the dinformation that is collected under the authority of the purposes of processing this application.	isclosure to any person or public body any ty of the <i>Plann<del>ing Act, R.</del>S.</i> O. 1990, c. P.
Owner/Applicant/Agent Signature	Date
J. Owner's Authorization	
If the applicant/agent is not the registered own application, the owner must complete the aut	horization set out below.
I/We JOHN JACORS SANDRA MCKENZIE lands that is the subject of this application.	_am/are the registered owner(s) of the
I/We authorize David McPherson	to make this application on
my/our behalf and to provide any of my/our p	ersonal information necessary for the
processing of this application. Moreover, this	shall be your good and sufficient
authorization for so doing.	FEB 10/25
John Sunor )	Date
Owner )	FEB 10/25
Owner )	Date

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



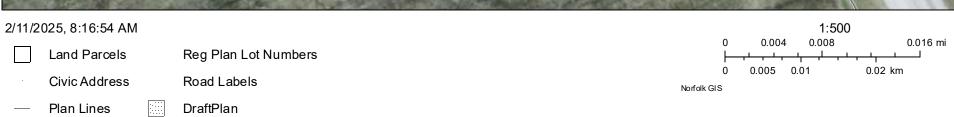
K. Declaration	of Simcoe	
solemnly declare that:		
all of the above statements and the statements are true and I make the believing it to be true and knowing that it is under oath and by virtue of <i>The Canada Ex</i>	nis solemn declaration conso of the same force and effect	cientiously
Declared before me at:	Buch	
In Norfolk Canty	<del>Owner/Applica</del> nt/Ag	gent Signature
Thisday of		
A.D., 20_75		
alin Dee		
A Commissioner, etc.		
Olivia Cathe	rine Davies. a	

Olivia Catherine Davies, a Commissioner, etc., Province of Ontario, for the Corporation of Norfolk County. Expires May 23, 2027.



### MAP NORFOLK - Community Web Map





- 1 1/2" MIN, CONC, REBAR COVERAGE
- MIN, CONC, STRENGTH (28 DAYS) - 20 MPa (3000 psi)
- STEEL STRENGTH - 400 MPa (60 ksi)
- ASSUMED SOIL BEARING CAPACITY - 1510 psf
- CONSTRUCTION SEQUENCING:
BACKFILL INTERIOR OF BUILDING W/COMPACTED SAND
BACKFILL TO BE PLACED IN Ift (30cm) LIFTS

EVENLY AROUND STRUCTURE.

COMPACT BACKFILL TO 95% STANDARD PROCTOR.

- ROOF TRUSSES & GIRDERS DESIGNED BY TRUSS MANUF.

- PROVIDE TEMPORARY BRACING FOR ALL COLUMNS UNTIL
FINAL BRACING INSTALLATION COMPLETE.

# DESIGN NOTES DESIGN DATA LOCATION: SIMCOE

GROUND SNOW LOAD:

SPECIFIED SNOW LOAD:

DEAD LOAD:

WIND LOAD (1/50):

DEAD LOAD:

WIND LOAD (1/50):

DEAD LOAD:

WIND LOAD (1/50):

1/2" PERIMETER EXPANSION JOINT FOR POURED CONC. SLABS

1/4" CONTROL JOINTS © 20' O.C. E.W. IN POURED CONC. SLABS

ALL WOOD No. 2 SPRUCE OR BETTER

ALL BOLTS GALVANIZED STEEL

# MAX. BRICK LINTEL SPANS 4" BRICK/STONE O.B.C. 9.20.5.2.

BL-1 4" V x 3 1/2" H x 1/4" T 8'-2"
BL-2 5" V x 3 1/2" H x 5/16" T 10'-1"
BL-3 6" V x 3 1/2" H x 7/16" T 11'-7"

#### BL-3 6" V x 3 1/2" H x 1/16" T 11'-1" BL-4 6" V x 3 1/2" H x 1/2" T 12'-4"

STAIR INFO,
RISE: MAX. 1 1/8"
RUN: MIN. 10 1/16"
TREAD: MIN. 11"
NOSING: MAX. 1"

LEGEND

SOLID BEARING
SB FOR GIRDER
POINT LOAD

HEADROOM: MIN. 6'-5" S.J. SINGLE JOIST
UNIFORM RISE/RUN D.J. DOUBLE JOIST
T.J. TRIPLE JOIST
D.C.J. DOUBLE CEILING JOIST

# STRUCTURAL NOTES ALL EXTERIOR & INTERIOR LINTELS TO BE MIN. (2) PLY

2xIO C/W 2x4 DRYWALL NAILER & PLYWOOD FILLERS BETWEEN EACH PLY, UNLESS NOTED OTHERWISE. 2. ALL NOTCHING & DRILLING OF FRAMING MEMBERS

TO CONFORM TO NATIONAL & LOCAL BUILDING CODES,

### 3. PROVIDE APPROPRIATE SOLID BLOCKING WITHIN FLOOR SYSTEM FOR LOADS ABOVE.

THESE PLANS WERE PRODUCED WITH INFORMATION PROVIDED ON OR BEFORE THE PRINTED DATE.

2. IF ANY ERRORS OR OMMISSIONS ARE FOUND ON THE DRAWINGS, THE DESIGNER IS TO BE INFORMED IMMEDIATELY TO HELP RESOLVE ANY ISSUES PRIOR

TO THE WORK PROCEEDING.

LOT COVERAGE

3. HVAC STRUCTURAL REQUIREMENTS TO BE VERIFIED AND MET ON SITE WITH THE HVAC INSTALLER.

### PLAN AREAS

7079 sq ft.

MAIN FLOOR PLAN 3076 eq ft.
GARAGE 2987 eq ft.
COVERED PORCH 975 eq ft.

PROPOSED RESIDENCE FOR
JOHN & SAM JACOBS

PROJECT NUMBER

421 WATER ST., VITTORIA

1234-24-01



Phone: (519) 539-9987
E-mail: plane@djdesign.ca

Website: www.djdesign.ca



378 Hunter Street

Woodstock, ON. N4S 4G2

THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE ONTARIO BUILDING CODE TO DESIGN THE WORK SHOWN

QUALIFICATION INFORMATION REQUIRED UNLESS DESIGN IS EXEMPT UNDER 2.17.5.1. OF THE BUILDING CODE

REQUIRED UNLESS DESIGN IS EXEMPT UN 2,17.5.1. OF THE BUILDING CODE

DEREK JUKEMA

EN JUNE 114

DIGNATURE TO THE PROPERTY OF T

3D VIEW & ELEVATIONS

ecale:

3/16" = 1'-0"

date:

2025-01-30

drawn by:

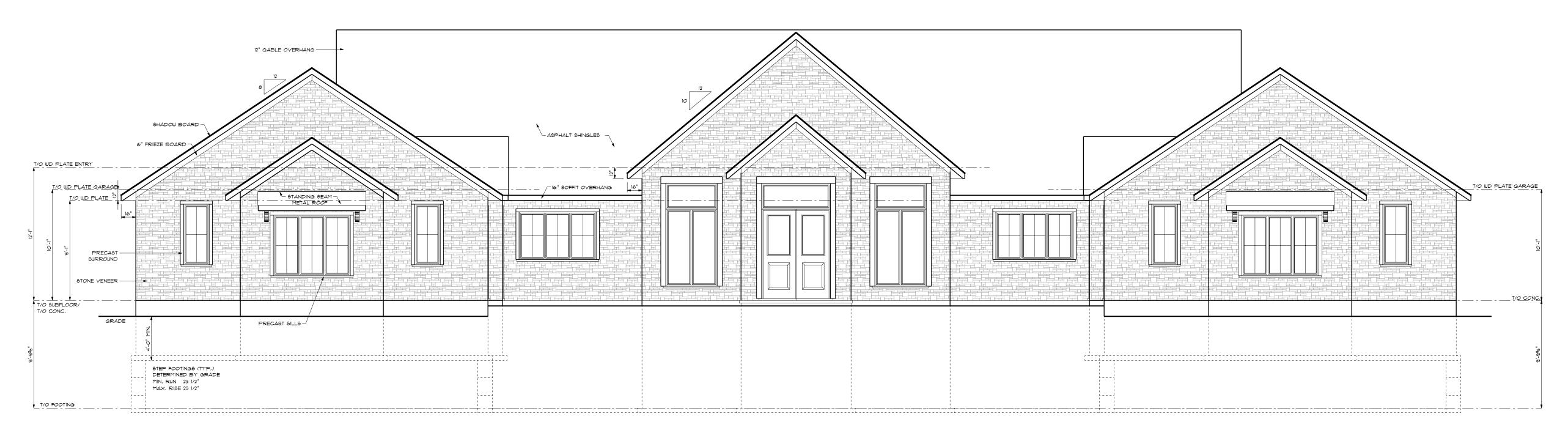
CD

designed by:

CORTNEY@DJDESIGN.CA

checked by:

**A**-



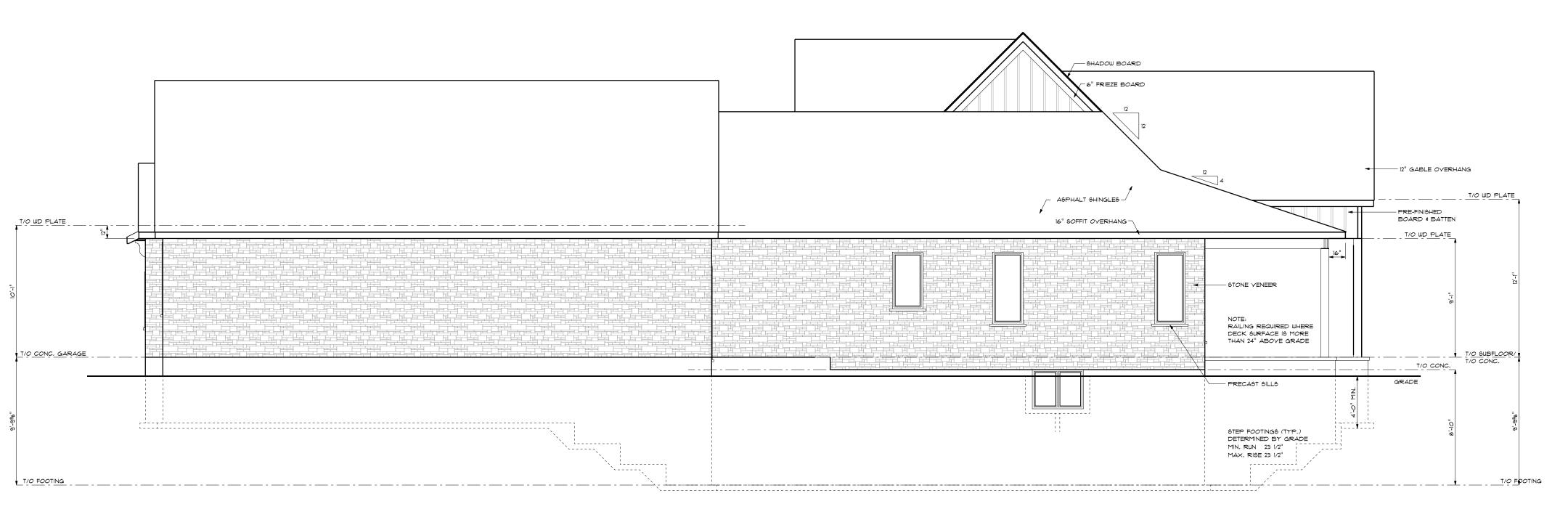
FRONT ELEVATION

9CALE: 3/16" = 1'-0"



REAR ELEVATION

9CALE: 3/16" = 1'-0"



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

LEFT ELEVATION

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

### GENERAL NOTES

CONTRACTOR TO CHECK & VERIFY ANY DISCREPENCIES BEFORE CONSTRUCTION BEGINS. - DRAWINGS ARE TO BE READ AND NOT TO BE SCALED - ALL CONSTRUCTION, MATERIALS & EQUIP. TO ADHERE TO LATEST EDITION OF O.B.C. & LOCAL BY-LAWS. - ALL FOOTINGS TO BEAR ON UNDISTURBED SOIL TO LOCAL FROST LEVELS (4'-0" MIN, BELOW GRADE) - REFER TO PLANS, X-SECTIONS & DETAILS FOR ALL TYP. CONSTRUCTION DETAILS AND NOTES. - 1 1/2" MIN, CONC, REBAR COYERAGE - MIN. CONC. STRENGTH (28 DAYS) - 20 MPa (3000 psi) - STEEL STRENGTH - 400 MPa (60 ksi) - ASSUMED SOIL BEARING CAPACITY - 1570 psf - CONSTRUCTION SEQUENCING: BACKFILL INTERIOR OF BUILDING W/COMPACTED SAND BACKFILL TO BE PLACED IN 1ft (30cm) LIFTS

EVENLY AROUND STRUCTURE,
COMPACT BACKFILL TO 95% STANDARD PROCTOR,
- ROOF TRUSSES & GIRDERS DESIGNED BY TRUSS MANUF,
- PROVIDE TEMPORARY BRACING FOR ALL COLUMNS UNTIL
FINAL BRACING INSTALLATION COMPLETE,

# DESIGN NOTES DESIGN DATA LOCATION: SIMCOE

GROUND SNOW LOAD:

SPECIFIED SNOW LOAD:

DEAD LOAD:

WIND LOAD (1/50):

1/2" PERIMETER EXPANSION JOINT FOR POURED CONC. SLABS

1/4" CONTROL JOINTS @ 20' O.C. E.W. IN POURED CONC. SLABS

ALL WOOD No. 2 SPRUCE OR BETTER ALL BOLTS GALVANIZED STEEL

## MAX. BRICK LINTEL SPANS 4" BRICK/STONE O.B.C. 9.20.5.2.

BL-1 4" \( \times \) 3 1/2" \( \times \) 1/4" \( \times \) 5'-2" \( \times \) 5" \( \times \) 3 1/2" \( \times \) 5/16" \( \times \) 1/0'-1"

BL-2 5" V x 3 1/2" H x 5/16" T 10'-1" BL-3 6" V x 3 1/2" H x 7/16" T 11'-1" BL-4 6" V x 3 1/2" H x 1/2" T 12'-4"

STAIR INFO.
RISE: MAX. 7 1/8"
RUN: MIN. 10 1/16"
TREAD: MIN. 11"
NOSING: MAX. 1"

LEGEND

SOLID BEARING
SB FOR GIRDER
POINT LOAD

NOSING: MAX, 1" FOINT LOAD

HEADROOM: MIN, 6'-5" S.J. SINGLE JOIST

UNIFORM RISE/RUN D.J. DOUBLE JOIST

T.J. TRIPLE JOIST

D.C.J. DOUBLE CEILING JOIST

### STRUCTURAL NOTES

1. ALL EXTERIOR & INTERIOR LINTELS TO BE MIN. (2) PLY 2XIO C/W 2X4 DRYWALL NAILER & PLYWOOD FILLERS BETWEEN EACH PLY, UNLESS NOTED OTHERWISE.

2. ALL NOTCHING & DRILLING OF FRAMING MEMBERS TO CONFORM TO NATIONAL & LOCAL BUILDING CODES.

3. PROVIDE APPROPRIATE SOLID BLOCKING WITHIN FLOOR SYSTEM FOR LOADS ABOVE.

### DESIGNER DISCLAIMER

1. THESE PLANS WERE PRODUCED WITH INFORMATION PROVIDED ON OR BEFORE THE PRINTED DATE.

2. IF ANY ERRORS OR OMMISSIONS ARE FOUND ON THE DRAWINGS, THE DESIGNER IS TO BE INFORMED IMMEDIATELY TO HELP RESOLVE ANY ISSUES PRIOR TO THE WORK PROCEEDING.

3. HYAC STRUCTURAL REQUIREMENTS TO BE VERIFIED AND MET ON SITE WITH THE HYAC INSTALLER.

### PLAN AREAS

MAIN FLOOR PLAN 3076 sq ft.

GARAGE 2987 sq ft.

COVERED PORCH 975 sq ft.

LOT COVERAGE 7079 sq ft.

PROPOSED RESIDENCE FOR

421 WATER ST., VITTORIA
PROJECT NUMBER

JOHN & SAM JACOBS

1234-24-01



E-mail: plans@djdesign.ca
Website: www.djdesign.ca



A DESCRIPTION TO BE THE

21759

Woodstock, ON.

N4S 4G2

THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE ONTARIO BUILDING CODE TO DESIGN THE WORK SHOWN

QUALIFICATION INFORMATION
REQUIRED UNLESS DESIGN IS EXEMPT UNDER
2.17.5.1. OF THE BUILDING CODE

DEREK JUKEMA
21

SIGNATURE

LEFT & RIGHT ELEVATIONS

scale: 3/16" = 1'-0" date:

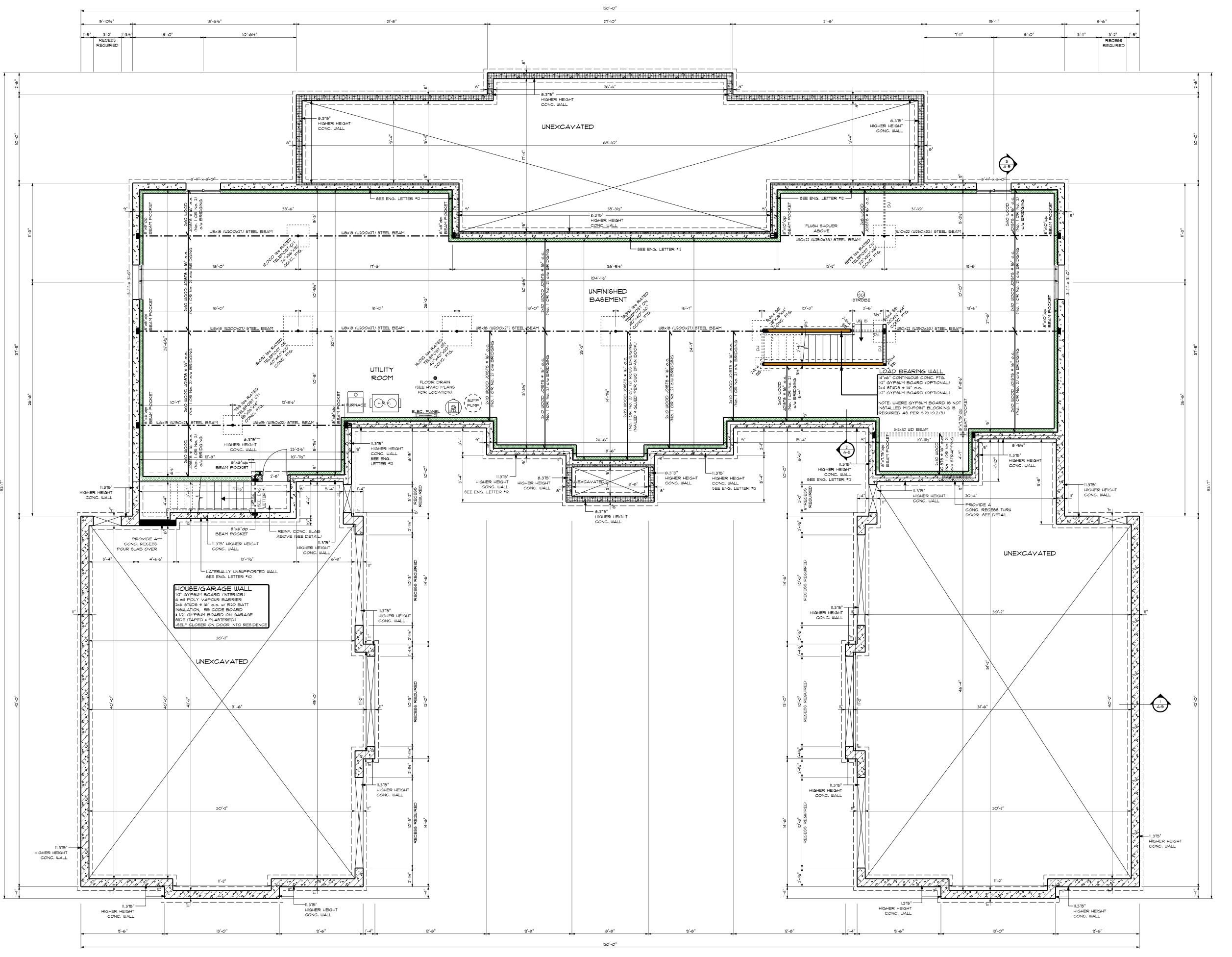
date:
2025-01-30
drawn by:

designed by:

CORTNEY®DJDESIGN.CA

checked by:

\_\_\_\_\_



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

GENERAL NOTES

- CONTRACTOR TO CHECK & VERIFY ANY

DISCREPENCIES BEFORE CONSTRUCTION BEGINS. DRAWINGS ARE TO BE READ AND NOT TO BE SCALED - ALL CONSTRUCTION, MATERIALS & EQUIP. TO ADHERE TO LATEST EDITION OF O.B.C. & LOCAL BY-LAWS. - ALL FOOTINGS TO BEAR ON UNDISTURBED SOIL TO LOCAL FROST LEVELS (4'-0" MIN, BELOW GRADE) REFER TO PLANS, X-SECTIONS & DETAILS FOR ALL TYP. CONSTRUCTION DETAILS AND NOTES.

1 1/2" MIN. CONC. REBAR COVERAGE - MIN. CONC. STRENGTH (28 DAYS) - 20 MPa (3000 psi) - STEEL STRENGTH - 400 MPa (60 ksi) - ASSUMED SOIL BEARING CAPACITY - 1570 psf

- CONSTRUCTION SEQUENCING: BACKFILL INTERIOR OF BUILDING W/COMPACTED SAND BACKFILL TO BE PLACED IN Ift (30cm) LIFTS EYENLY AROUND STRUCTURE. COMPACT BACKFILL TO 95% STANDARD PROCTOR.

ROOF TRUSSES & GIRDERS DESIGNED BY TRUSS MANUF. - PROVIDE TEMPORARY BRACING FOR ALL COLUMNS UNTIL FINAL BRACING INSTALLATION COMPLETE. DESIGN NOTES

DESIGN DATA LOCATION: SIMCOE GROUND SNOW LOAD: 1.3 KPA (27.2 pef) SPECIFIED SNOW LOAD: 1.12 KPA (23.4 psf)

0.48 KPA (10 psf) DEAD LOAD: WIND LOAD (1/50): 0.45 KPA (9.4 psf) 1/2" PERIMETER EXPANSION JOINT FOR POURED CONC. SLABS 1/4" CONTROL JOINTS @ 20' O.C. E.W. IN POURED CONC. SLABS ALL WOOD No. 2 SPRUCE OR BETTER ALL BOLTS GALVANIZED STEEL

#### MAX, BRICK LINTEL SPANS 4" BRICK/STONE O.B.C. 9.20.5.2.

BL-1 4" \( \times 3 \) 1/2" \( \times 1/4" \) \( 8'-2" \) BL-2 5" V x 3 1/2" H x 5/16" T 10'-1"

BL-3 6" ∨ × 3 1/2" H × 7/16" T 11'-7" BL-4 6" V x 3 1/2" H x 1/2" T 12'-4"

RISE:

RUN:

STAIR INFO. SOLID BEARING MIN. 10 1/16" SB FOR GIRDER TREAD: MIN. 11" NOSING: MAX, 1"

S.J. SINGLE JOIST HEADROOM: MIN. 6'-5" UNIFORM RISE/RUN D.J. DOUBLE JOIST T.J. TRIPLE JOIST D.C.J. DOUBLE CEILING JOIST

### STRUCTURAL NOTES

ALL EXTERIOR & INTERIOR LINTELS TO BE MIN. (2) PL 2x10 C/W 2x4 DRYWALL NAILER & PLYWOOD FILLERS BETWEEN EACH PLY, UNLESS NOTED OTHERWISE.

2. ALL NOTCHING & DRILLING OF FRAMING MEMBERS TO CONFORM TO NATIONAL & LOCAL BUILDING CODES.

3. PROVIDE APPROPRIATE SOLID BLOCKING WITHIN FLOOR SYSTEM FOR LOADS ABOVE.

### DESIGNER DISCLAIMER

THESE PLANS WERE PRODUCED WITH INFORMATION PROVIDED ON OR BEFORE THE PRINTED DATE.

2. IF ANY ERRORS OR OMMISSIONS ARE FOUND ON THE DRAWINGS, THE DESIGNER IS TO BE INFORMED IMMEDIATELY TO HELP RESOLVE ANY ISSUES PRIOR TO THE WORK PROCEEDING.

3. HVAC STRUCTURAL REQUIREMENTS TO BE VERIFIED AND MET ON SITE WITH THE HYAC INSTALLER,

### PLAN AREAS

MAIN FLOOR PLAN 3076 sq ft. GARAGE 2987 sq ft.

COVERED PORCH 975 sq ft. 7079 sq ft. LOT COVERAGE

PROPOSED RESIDENCE FOR JOHN & SAM JACOBS 421 WATER ST., VITTORIA

PROJECT NUMBER

1234-24-01



E-mail: plans@djdesign.ca Website: www.djdesign.ca

THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS

21759

378 Hunter Street Woodstock, ON.

N4S 4G2

SET OUT IN THE ONTARIO BUILDING CODE TO DESIGN THE WORK SHOWN

QUALIFICATION INFORMATION

REQUIRED UNLESS DESIGN IS EXEMPT UNDER 2,17,5,1, OF THE BUILDING CODE DEREK JUKEMA

FOUNDATION PLAN

3/16" = 1'-0" 2025-01-30 designed by:

CORTNEY@DJDESIGN.CA checked by:

GENERAL NOTES

- CONTRACTOR TO CHECK & VERIFY ANY DISCREPENCIES BEFORE CONSTRUCTION BEGINS. - DRAWINGS ARE TO BE READ AND NOT TO BE SCALED - ALL CONSTRUCTION, MATERIALS & EQUIP. TO ADHERE TO LATEST EDITION OF O.B.C. & LOCAL BY-LAWS.

ALL FOOTINGS TO BEAR ON UNDISTURBED SOIL TO LOCAL FROST LEVELS (4'-O" MIN, BELOW GRADE) REFER TO PLANS, X-SECTIONS & DETAILS FOR ALL TYP. CONSTRUCTION DETAILS AND NOTES. 1 1/2" MIN, CONC, REBAR COYERAGE - MIN. CONC. STRENGTH (28 DAYS) - 20 MPa (3000 psi)

- STEEL STRENGTH - 400 MPa (60 ksi) - ASSUMED SOIL BEARING CAPACITY - 1570 psf - CONSTRUCTION SEQUENCING: BACKFILL INTERIOR OF BUILDING W/COMPACTED SAND BACKFILL TO BE PLACED IN Ift (30cm) LIFTS

EVENLY AROUND STRUCTURE, COMPACT BACKFILL TO 95% STANDARD PROCTOR. - ROOF TRUSSES & GIRDERS DESIGNED BY TRUSS MANUF. - PROVIDE TEMPORARY BRACING FOR ALL COLUMNS UNTIL FINAL BRACING INSTALLATION COMPLETE.

### DESIGN NOTES

DESIGN DATA LOCATION: SIMCOE

GROUND SNOW LOAD: 1.3 KPA (27.2 psf) SPECIFIED SNOW LOAD: 1.12 KPA (23.4 pef) 0.48 KPA (10 psf) DEAD LOAD: WIND LOAD (1/50): 0.45 KPA (9.4 psf) 1/2" PERIMETER EXPANSION JOINT FOR POURED CONC. SLABS 1/4" CONTROL JOINTS @ 20' O.C. E.W. IN POURED CONC. SLABS ALL WOOD No. 2 SPRUCE OR BETTER

MAX, BRICK LINTEL SPANS 4" BRICK/STONE O.B.C. 9.20.5.2.

BL-1 4" V x 3 1/2" H x 1/4" T 8'-2" BL-2 5" V x 3 1/2" H x 5/16" T 10'-1"

BL-3 6" V x 3 1/2" H x 7/16" T 11'-7" BL-4 6" V x 3 1/2" H x 1/2" T 12'-4" STAIR INFO.

ALL BOLTS GALVANIZED STEEL

SOLID BEARING MIN. 10 1/16" SB FOR GIRDER POINT LOAD NOSING: MAX, 1" HEADROOM: MIN. 6'-5" S.J. SINGLE JOIST UNIFORM RISE/RUN

D.J. DOUBLE JOIST T.J. TRIPLE JOIST D.C.J. DOUBLE CEILING JOIST

### STRUCTURAL NOTES

ALL EXTERIOR & INTERIOR LINTELS TO BE MIN. (2) PLY 2x10 C/W 2x4 DRYWALL NAILER & PLYWOOD FILLERS BETWEEN EACH PLY, UNLESS NOTED OTHERWISE,

ALL NOTCHING & DRILLING OF FRAMING MEMBERS TO CONFORM TO NATIONAL & LOCAL BUILDING CODES.

3. PROVIDE APPROPRIATE SOLID BLOCKING WITHIN FLOOR SYSTEM FOR LOADS ABOVE.

## DESIGNER DISCLAIMER

THESE PLANS WERE PRODUCED WITH INFORMATION PROVIDED ON OR BEFORE THE PRINTED DATE.

IF ANY ERRORS OR OMMISSIONS ARE FOUND ON THE DRAWINGS, THE DESIGNER IS TO BE INFORMED IMMEDIATELY TO HELP RESOLVE ANY ISSUES PRIOR

3. HYAC STRUCTURAL REQUIREMENTS TO BE VERIFIED AND MET ON SITE WITH THE HYAC INSTALLER.

TO THE WORK PROCEEDING.

### PLAN AREAS

MAIN FLOOR PLAN 3076 sq ft. GARAGE 2987 sq ft. COYERED PORCH 975 sq ft. LOT COVERAGE 7079 sq ft.

PROPOSED RESIDENCE FOR JOHN & SAM JACOBS 421 WATER ST., VITTORIA

PROJECT NUMBER

1234-24-01



Phone: (519) 539-9987 E-mail: plans@djdesign.ca Website: www.djdesign.ca



THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE ONTARIO BUILDING CODE TO DESIGN THE WORK SHOWN

QUALIFICATION INFORMATION REQUIRED UNLESS DESIGN IS EXEMPT UNDER

2,17.5.1. OF THE BUILDING CODE DEREK JUKEMA

MAIN FLOOR PLAN

3/16" = 1'-0" 2025-01-30 designed by: CORTNEY@DJDESIGN.CA checked by:

MAIN FLOOR PLAN

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

NOTES:

OR VICE VERSA.

RECESSED CONC. FLUSH SLAB THRU DOOR

TYPICAL ROOF CONSTN

15 lb, FELT BUILDING PAPER @

MIN. 3/8" PLYWOOD SHEATHING W. H-CLIPS

APPROVED WOOD TRUSSES @ 24" o.c.

ASPHALT SHINGLES

SCALE: 1"=1'-0"

1/2" GYPSUM BOARD

TOP OF FOOTING

KEYWAY min, 4' BELOW GRADE

MIN. 6" CRUSHED STONE COVER

OVER 4" WEEPING TILE

TYPICAL WALL SECTION

SCALE: 1/2"=1'-0"

FILTER FABRIC OVER (BETTER BUILDING PRACTICE)

RECESSED CONC. FLUSH SLAB THRU DOOR

— 2x6 BOTTOM PLATE

TYPICAL SUBFLOOR CONSTN:

- R20 BATT INSULATION

BLANKET SYSTEM

5/8" T&G WAFERBOARD GLUED & SCREWED

W/6 MIL POLY VAPOUR BARRIER

9" POURED CONCRETE WALL

IN FINISHED ROOMS PROVIDE

6 MIL POLY VAPOUR BARRIER 1/2" GYPSUM BOARD

(R5) CONTINUOUS INSULATION

9" POURED CONCRETE WALL

AND BOTTOM PLATES

w/ R12 BATT INSULATION

ATTIC VENTING MUST BE 1/300

OF INSULATED ATTIC SPACE

FLOOR JOISTS @ SPECIFIED SPACING ON PLAN

TOP OF CONC.

TOP OF LEDGE

— 2×4 SILL PLATE c/w SEAL GASKET & CAULKING 1/2" dia. ANCHOR BOLTS @ MAX, T'-10" o.c.

2x4 WOOD STUDS @ 16" o.c. c/w SINGLE TOP

FULL HEIGHT INSULATION REQ'D

FULL HEIGHT RI5 c.i. BATT INSULATION

TYPICAL EXT. WALL CONSTN: 3 1/2" BRICK VENEER TIED TO WALL W/METAL VENEER TIES @ 24" o.c. HORIZ. \$ 16" o.c. VERT. I" AIRSPACE R5 c.i. RIGID INSULATION (AIR BARRIER) METAL WIND BRACING WHERE REQUIRED 2x6 STUDS @ 16" 0.c. R20 BATT INSULATION — 2x6 BOTTOM PLATE 6 mil. POLY VAPOUR BARRIER 1/2" GYPSUM BOARD TYPICAL SUBFLOOR CONSTN 5/8" T&G WAFERBOARD GLUED & SCREWED WEEP HOLES @ 2' o.c. -FLOOR JOISTS @ SPECIFIED SPACING ON PLAN @ BASE FLASHING TOP OF CONC. GRADE TO SLOPE AWAY FROM BLDG TOP OF LEDGE 3 R20 BATT INSULATION W/6 MIL POLY VAPOUR BARRIER -2x4 SILL PLATE c/w SEAL GASKET & CAULKING 1/2" dia, ANCHOR BOLTS @ MAX, T'-10" o.c. FULL HEIGHT INSULATION REQ'D DRAINAGE LAYER DAMPROOFING TO GRADE 9" POURED CONCRETE WALL FULL HEIGHT RIS C.I. BATT INSULATION BLANKET SYSTEM IN FINISHED ROOMS PROVIDE DRAINAGE LAYER DAMPROOFING TO GRADE 9" POURED CONCRETE WALL 1" (R5) CONTINUOUS INSULATION 2x4 WOOD STUDS @ 16" o.c. c/w SINGLE TOP AND BOTTOM PLATES w/ R12 BATT INSULATION 6 MIL POLY VAPOUR BARRIER 1/2" GYPSUM BOARD

### SUNKEN JOIST LEDGE DETAIL

SCALE: 1"=1'-0"

EAVE TO MIN. 3' PAST EXTERIOR WALL ATTIC VENTING MUST BE 1/300 GALVANIZED METAL START STRIP @ EAVES OF INSULATED ATTIC SPACE INSULATION BAFFLE-INSULATION STOP-TOP OF WD PLATE 2x6 FASCIA BOARD-TYPICAL CEILING CONSTN: R50 CELLULOSE INSULATION ALUMINUM EAVETROUGHING-6 mil. POLY VAPOUR BARRIER 1/2" GYPSUM BOARD COMPLIANCE PACKAGE - A5 ALUMINUM FASCIA 4--2x6 DOUBLE TOP PLATE VENTED SOFFIT COMPONENT THERMAL VALUES" CEILING WITH ATTIC SPACE MIN, EFFECTIVE R(2) 49,23 TYPICAL EXT. WALL CONSTN: CEILING WITHOUT ATTIC SPACE  $\mathsf{MAX}$ ,  $\mathsf{u}^{\scriptscriptstyle(2)}$ 3 1/2" BRICK VENEER TIED TO WALL W/METAL VENEER TIES @ EXPOSED FLOOR 24" O.C. HORIZ. \$ 16" O.C. YERT. 1" AIRSPACE R5 c.i. RIGID INSULATION (AIR BARRIER) METAL WIND BRACING WHERE REQUIRED JALLS ABOYE GRADE 7/16" OSB SHEATING 2x6 STUDS @ 16" 0.c. R20 BATT INSULATION BASEMENT WALLS 6 mil. POLY VAPOUR BARRIER 1/2" GYPSUM BOARD 1IN, EFFECTIVE R(4) 15,96 AN AIR BARRIER BELOW GRADE SLAB MIN, NOMINAL RO ENTIRE SURFACE -2x6 SINGLE BOTTOM PLATE GREATER THAN 600mm 23 🖁") BELOW GRADE 💹 MIN, EFFECTIVE R IIN, NOMINAL R HEATED SLAB OR SLAB EQUAL OR LESS THAN MAX, U(4) 600mm BELOW GRADE MIN, EFFECTIVE R(4) 11.13 EDGE OF BELOW GRADE WEEP HOLES @ 2' o.c. BLAB EQUAL OR LESS @ BASE FLASHING-1IN, NOMINAL RO 「HAN 600mm (23 音") GRADE TO SLOPE -R20 BATT INSULATION BELOW GRADE AWAY FROM BLDG. JINDOWS AND SLIDING GLASS DOORS ENERGY RATING SKYLIGHTS MAX, U<sup>(5)</sup> 0.49 DRAINAGE LAYER SPACE HEATING DAMPROOFING TO GRADE MIN, AFUE 94% EQUIPMENT 9" POURED CONCRETE WALL MIN, SRE 70% BLANKET SYSTEM OMESTIC HOT MIN, EF IN FINISHED ROOMS PROVIDE WATER HEATER DRAINAGE LAYER DAMPROOFING TO GRADE (1) THE YALUES LISTED ARE MINIMUM NOMINAL R-YALUES FOR 9" POURED CONCRETE WALL THERMAL INSULATION COMPONENT ONLY. (2) U-YALUES AND EFFECTIVE R YALUE SHALL INCLUDE ENTIRE CEILING ASSEMBLY COMPONENTS, FROM INTERIOR AIR FILM TO AND BOTTOM PLATES YENTED SPACE AIR FILM ABOYE INSULATION. W/ R12 BATT INSULATION (3) U-YALUES AND EFFECTIVE R YALUE SHALL INCLUDE ENTIRE 1/2" GYPSUM BOARD EXPOSED FLOOR OR ABOVE GRADE WALL ASSEMBLY COMPONENTS, FROM INTERIOR AIR FILM TO EXTERIOR AIR FILM. (4) U-YALUE AND EFFECTIVE R YALUE SHALL INCLUDE ENTIRE PROVIDE SEALANT HERE BASEMENT WALL OR SLAB ASSEMBLY COMPONENTS AND INTERIOR (5) U-YALUE IS THE OVERALL COEFFICIENT OF HEAT TRANSFER FOR TYPICAL FLOOR SLAB CONSTN: A WINDOW ASSEMBLY, SLIDING GLASS DOOR ASSEMBLY OR 3" CONC. FLOOR (SAWCUT @ 12' o.c.) ON SKYLIGHT ASSEMBLY EXPRESSED IN Btu/(h\*ft2\*F) MIN, 4" GRAVEL BASE (6) IN THE CASE OF BASEMENT WALL ASSEMBLIES, WHERE R20 c1 IS

TYPICAL EXT, WALL CONSTN 3 1/2" BRICK VENEER TIED TO WALL W/METAL VENEER TIES @ 24" O.C. HORIZ. \$ 16" O.C. YERT. 1" AIRSPACE 7/16" OSB SHEATING 2x6 STUDS @ 16" 0.c. R20 BATT INSULATION 6 mil. POLY VAPOUR BARRIER 1/2" GYPSUM BOARD AN AIR BARRIER -2x6 SINGLE BOTTOM PLATE WEEP HOLES @ 2' o.c. @ BASE FLASHING-GRADE TO SLOPE AWAY FROM BLDG. -R20 BATT INSULATION DRAINAGE LAYER DAMPROOFING TO GRADE 9" POURED CONCRETE WALL BLANKET SYSTEM IN FINISHED ROOMS PROVIDE DRAINAGE LAYER DAMPROOFING TO GRADE 9" POURED CONCRETE WALL (R5) CONTINUOUS INSULATION AND BOTTOM PLATES W/ R12 BATT INSULATION 6 MIL POLY VAPOUR BARRIER 1/2" GYPSUM BOARD - PROVIDE SEALANT HERE <u> TYPICAL FLOOR SLAB CONSTN:</u> CONC. FLOOR (SAWCUT @ 12' o.c.) ON MIN, 4" GRAVEL BASE TOP OF FOOTING 1/2" EXPANSION JOINT

TYPICAL ROOF CONSTN:

15 lb, FELT BUILDING PAPER @

MIN, 3/8" PLYWOOD SHEATHING W, H-CLIPS

GALVANIZED METAL START STRIP @ EAVES

APPROVED WOOD TRUSSES @ 24" o.c.

EAVE TO MIN, 3' PAST EXTERIOR WALL

INSULATION BAFFLE-

ASPHALT SHINGLES

TYPICAL ROOF CONSTN: ASPHALT SHINGLES MIN. 3/8" PLYWOOD SHEATHING W. H-CLIPS APPROVED WOOD TRUSSES @ 24" o.c. 15 Ib. FELT BUILDING PAPER OR ICE SHEILD @ EAVE TO MIN. 3' PAST EXTERIOR WALL GALVANIZED METAL START STRIP @ EAVES ÁTTIC VENTING MUST BE 1/300 OF INSULATED ATTIC SPACE WOOD PLATE 2x6 FASCIA BOARD-TYPICAL CEILING CONSTN ALUMINUM EAVETROUGHING-1/2" GYPSUM BOARD ALUMINUM FASCIA 4--2x6 DOUBLE TOP PLATE VENTED SOFFIT TYPICAL EXT, WALL CONSTN: 3 1/2" BRICK YENEER TIED TO WALL W/METAL VENEER TIES @ 24" o.c. HORIZ. \$ 16" o.c. YERT. I" AIRSPACE TYVEK HOUSEWRAP AIR BARRIER 7/16" OSB SHEATHING 2x6 STUDS @ 16" O.C. OPTIONAL R20 BATT INSULATION 1/2" GYPSUM BOARD \_2x6 SILL PLATE c/w SEAL GASKET & CAULKING 1/2" día, ANCHOR BOLTS @ MAX, 7'-10" o.c. TYPICAL GARAGE FLOOR CONSTN: WEEP HOLES @ 2' o.c. @ BASE FLASHING-MIN. 4" CONC. FLOOR (SAWCUT @ 12' o.c. E.W.) ON MIN, 5" GRAVEL BASE TOP OF CONC. GRADE TO SLOPE A AWAY FROM BLDG - 1/2" EXPANSION JOINT MATERIAL c/w SEALANT TYPICAL FDN, WALL CONSTN: II" POURED CONCRETE WALL -5"x21" CONC, FOOTINGS c/w KEYWAY min, 4 BELOW GRADE ON UNDISTURBED SOIL

GARAGE WALL SECTION

SCALE: 1/2"=1'-0"

PROPOSED RESIDENCE FOR

421 WATER ST., VITTORIA PROJECT NUMBER

**d** JDESIGN Architectural • Energy • HVAC

Email: plans@djdesign.ca Website: www.djdesign.ca

THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE ONTARIO BUILDING CODE TO DESIGN THE WORK SHOWN QUALIFICATION INFORMATION REQUIRED UNLESS DESIGN IS EXEMPT UNDER DIV. C, 3.2.5.1. OF THE BUILDING CODE

21759 DEREK JUKEMA

SECTIONS & DETAILS

AS SHOWN 2025-01-30 designed by: CORTNEY@DJDESIGN.CA checked by:

ΔTW

SCALE: 1/2"=1'-0"

NOTE: FOR PROTECTION OF ALL FOAM

OR 1/2" GYPSUM BOARD IS REQUIRED

INSULATION R22 ROXUL BATT INSULATION

AIR BARRIER LOCATION WHEN 6 MIL POLY IS ALSO USED AS TYPICAL SUBFLOOR CONSTN: 5/8" T&G WAFERBOARD GLUED & SCREWED FLOOR JOISTS @ SPECIFIED SPACING ON PLAN TOP OF SUB FLOOR CROSS OR SOLID BRIDGING AS PER PLAN TOP OF CONC. W/6 MIL POLY VAPOUR BARRIER -2×4 SILL PLATE C/W SEAL GASKET & CAULKING 1/2" DIA, ANCHOR BOLTS @ MAX, 7'-10" o.c. TYPICAL FDN, WALL CONSTN: FULL HEIGHT RIS C.I. BATT INSULATION (R5) CONTINUOUS INSULATION 2x4 WOOD STUDS @ 16" o.c. c/w SINGLE TOP 6 MIL POLY VAPOUR BARRIER

(7) IF AN EF OF A WATER TANK IS NOT INDICATED IN A COMPLIANCE 1/2" EXPANSION JOINT PACKAGE, THERE IS NO EF REQUIREMENTS FOR WATER TANK FOR THAT SPECIFIC COMPLIANCE PACKAGE. -5"x19" CONC, FOOTINGS c/w (8) NOMINAL AND EFFECTIVE R VALUES ARE EXPRESSED IN (h\*ft2F)/Btu, U-VALUES ARE EXPRESSED IN Btu/(h\*ft2\*F) NOTE: FOR PROTECTION OF ALL FOAM

INSULATION R22 ROXUL BATT INSULATION OR 1/2" GYPSUM BOARD IS REQUIRED

REQUIRED R12 + 10 ci 16 PERMITTED TO BE USED OR VICE VERSA:

OR WHERE R12 + 5 ci IS REQUIRED, R15 ci IS PERMITTED TO BE USED

INSULATION STOP-2x6 FASCIA BOARD-TYPICAL CEILING CONSTN: R50 CELLULOSE INSULATION ALUMINUM EAVETROUGHING~ 6 mil. POLY VAPOUR BARRIER 1/2" GYPSUM BOARD ALUMINUM FASCIA 4-<sup>\_</sup>2x6 DOUBLE TOP PLATE YENTED SOFFIT R5 c.i. RIGID INSULATION (AIR BARRIER) METAL WIND BRACING WHERE REQUIRED AIR BARRIER LOCATION WHEN 6 MIL POLY IS ALSO USED AS TYPICAL SUBFLOOR CONSTN: 5/8" T&G WAFERBOARD GLUED & SCREWED FLOOR JOISTS @ SPECIFIED SPACING ON PLAN TOP OF SUB FLOOR CROSS OR SOLID BRIDGING AS PER PLAN TOP OF CONC. W/6 MIL POLY VAPOUR BARRIER -2×4 SILL PLATE C/W SEAL GASKET & CAULKING 1/2" DIA, ANCHOR BOLTS @ MAX, T'-10" o.c. TYPICAL FDN, WALL CONSTN: FULL HEIGHT RIS c.i. BATT INSULATION 2x4 WOOD STUDS @ 16" o.c. c/w SINGLE TOP

TYPICAL WALL SECTION

OVER 4" WEEPING TILE

KEYWAY min, 4' BELOW GRADE

MIN, 6" CRUSHED STONE COVER

-FILTER FABRIC OVER (BETTER BUILDING PRACTICE)

GENERAL NOTES

CONTRACTOR TO CHECK & VERIFY ANY DISCREPENCIES BEFORE CONSTRUCTION BEGINS DRAWINGS ARE TO BE READ AND NOT TO BE SCALED ALL CONSTRUCTION, MATERIALS & EQUIP. TO ADHERE TO LATEST EDITION OF O.B.C. & LOCAL BY-LAWS. ALL FOOTINGS TO BEAR ON UNDISTURBED SOIL TO LOCAL FROST LEVELS (4'-O" MIN, BELOW GRADE) REFER TO PLANS, X-SECTIONS & DETAILS FOR ALL TYP. CONSTRUCTION DETAILS AND NOTES. 1 1/2" MIN, CONC, REBAR COYERAGE

MIN. CONC. STRENGTH (28 DAYS) - 20 MPa (3000 psi) STEEL STRENGTH - 400 MPa (60 ksi) ASSUMED SOIL BEARING CAPACITY - 1570 per CONSTRUCTION SEQUENCING:

BACKFILL INTERIOR OF BUILDING W/COMPACTED SAND BACKFILL TO BE PLACED IN Ift (30cm) LIFTS EVENLY AROUND STRUCTURE. COMPACT BACKFILL TO 95% STANDARD PROCTOR.

ROOF TRUSSES & GIRDERS DESIGNED BY TRUSS MANUF. PROVIDE TEMPORARY BRACING FOR ALL COLUMNS UNTIL FINAL BRACING INSTALLATION COMPLETE.

DESIGN NOTES

DESIGN DATA LOCATION: SIMCOE GROUND SNOW LOAD: 1.3 KPA (27.2 PSF) SPECIFIED SNOW LOAD: 1.12 KPA (23.4 PSF) 0.48 KPA (10 PSF) DEAD LOAD: 0,45 KPA (9,4 PSF) WIND LOAD (1/50):

PERIMETER EXPANSION JOINT FOR POURED CONC SLABS 1/4" CONTROL JOINTS @ 20' O.C. E.W. IN POURED CONC. SLABS ALL WOOD No. 2 SPRUCE OR BETTER ALL BOLTS GALVANIZED STEEL

MAX, BRICK LINTEL SPANS 4" BRICK/STONE O.B.C. 9.20.5.2. BL-1 4" V x 3 1/2" H x 1/4" T 8'-2" BL-2 5" V x 3 1/2" H x 5/16" T 10'-1" BL-3 6" V x 3 1/2" H x 7/16" T 11'-7"

BL-4 6" V x 3 1/2" H x 1/2" T 12'-4" STAIR INFO. MAX. 7 7/8" % SOLID BEARING SB FOR GIRDER TREAD: MIN, 11" POINT LOAD NOSING: MAX, 1 SINGLE JOIST HEADROOM: MIN, 6'-5" DOUBLE JOIST UNIFORM RISE/RUN TRIPLE JOIST

D.C.J. DOUBLE CEILING JOIST

STRUCTURAL NOTES

2x10 C/W 2x4 DRYWALL NAILER & PLYWOOD FILLERS BETWEEN EACH PLY, UNLESS NOTED OTHERWISE.

ALL NOTCHING & DRILLING OF FRAMING MEMBERS TO CONFORM TO NATIONAL & LOCAL BUILDING CODES. PROVIDE APPROPRIATE SOLID BLOCKING WITHIN

FLOOR SYSTEM FOR LOADS ABOVE.

DESIGNER DISCLAIMER THESE PLANS WERE PRODUCED WITH INFORMATION

TO THE WORK PROCEEDING.

PROVIDED ON OR BEFORE THE PRINTED DATE. IF ANY ERRORS OR OMISSIONS ARE FOUND ON THE DRAWINGS, THE DESIGNER IS TO BE INFORMED IMMEDIATELY TO HELP RESOLVE ANY ISSUES PRIOR

HVAC STRUCTURAL REQUIREMENTS TO BE VERIFIED AND MET ON SITE WITH HYAC INSTALLER,

JOHN & SAME JACOBS

378 Hunter Street Woodstock, ON. N4S 4G2



#### LONDON LOCATION

1599 Adelaide St. N., Unit 301 London, ON N5X 4E8 P: 519-471-6667

#### KITCHENER LOCATION

132 Queen St. S. Unit 4 Kitchener, ON N2G 1V9 P: 519-725-8093

www.sbmltd.ca

sbm@sbmltd.ca

**DJ** Design SBM-24-2647 Attn: Cortney Doherty December 13, 2024

#### 421 Water Street, Vittoria, Ontario

#### Cortney;

As requested, we have completed our review of the structural items listed in this report. An allowable soil bearing pressure of 2000psf was assumed. All structural steel to have a F<sub>v</sub>=345MPa or greater. All lumber to be S-P-F No.1/No.2 or better. All structural composite lumber (SCL) to be 2.0E with F<sub>b</sub>=2950 (USA ASD) or F<sub>b</sub>=5450 (Canadian LSD) or greater. Inspections of the items in this report are by others. Please contact us if additional engineering or inspections are required. See structural specification sheet SS1 attached for structural requirements, material specifications, loading, and assumptions. This report is for the above referenced project only and cannot be used for similar applications on other projects without written consent from Strik Baldinelli Moniz.

#### <u>Items</u>

3.

#### 1. Overhead Garage Door Headers (front to back) (4)

2-1.75"x9.25" 2.0E LVL Factored reaction @ ends: 5.1 kips Approx. span (centre-to-centre) = 10'-6"

#### 2. Primary Bedroom Window Header (left to right)

Factored reaction @ ends: 4.9 kips Approx. span (centre-to-centre) = 7'-3" Provide 2-2x6 jacks + 1-2x6 king studs at each end.

Provide 2-2x6 jacks + 2-2x6 king studs at each end.

2-1.75"x9.25" 2.0E LVL or 3-2x12

#### 2-2x10

#### Primary Bedroom Window Header (front to back)

Factored reaction @ ends: 0.9 kips Approx. span (centre-to-centre) = 2'-7" Provide 1-2x6 jack + 1-2x6 king stud at each end.

#### 4. Rear Covered Porch Exterior Beams (left to right) (2)

Factored reaction @ ends: 4.4 kips Approx. span (centre-to-centre) = 21'-5"

At exterior supports, provide a min. 8x8 P.T. wood post ensuring continuous bearing to foundation wall below. At interior supports, provide a Simpson Strong Tie HU612 face-mount hanger to item #5. Install in accordance with manufacturer's specifications.

#### Rear Covered Porch Interior Beams (front to back) (2) 5.

Factored reaction @ ends: 11.3 kips Approx. span (centre-to-centre) = 18'-0" 4-1.75"x11.875" 2.0E LVL or 3-1.75"x14" 2.0E LVL

3-1.75"x11.875" 2.0E LVL

At rear supports, provide a min. 8x8 P.T. wood post ensuring continuous bearing to foundation wall below. At front supports, provide a 4-2x6 (3-ply option) or a 5-2x6 (4-ply option) built-up wood post.

Strik, Baldinelli, Moniz Ltd.

www.sbmltd.ca SBM-24-2647

#### 6. Rear Covered Porch Interior Beam (left to right)

4-1.75"x11.875" 2.0E LVL or 3-1.75"x14" 2.0E LVL

Factored reaction @ ends: 3.0 kips

Approx. span (centre-to-centre) = 26'-3"

Provide an 8x8 P.T. wood post at each end, ensuring continuous bearing to foundation wall below.

#### 7. Great Room Sliding Door Header (left to right)

3-1.75"x11.875" 2.0E LVL or 2-1.75"x14" 2.0E LVL

Factored reaction @ ends: 5.7 kips

Approx. span (centre-to-centre) = 16'-3"

Provide 2-2x6 jacks + 4-2x6 king studs at each end.

Note: expected total load deflection of the above beam is 0.51", conforming to the allowable L/240 as per OBC. Confirm with door supplier the expected deflection is adequate for their respective systems prior to installation and contact SBM for redesign if less deflection is required.

#### 8. Dining Room Window Header (left to right)

2-1.75"x7.25" 2.0E LVL

or 3-2x10

Factored reaction @ ends: 2.4 kips Factored reaction @ interior: 7.8 kips

Approx. span (centre-to-centre) = 2'-10'' + 8'-0'' + 2'-10'' (3 separate spans)

Provide 2-2x6 jack studs + 1-2x6 king stud at each end of the 2'-4" window openings. Provide 2-2x6 jack studs + 1-2x6 king stud at each end of the 7'-0" window opening.

#### 9. Bedroom 2 Window Header (front to back)

3-2x10

Factored reaction @ ends: 5.6 kips

Approx. span (centre-to-centre) = 2'-10"

Provide 2-2x6 jack studs + 1-2x6 king stud at each end.

#### 10. Laterally Unsupported Foundation at Garage Stairs

Provide 15M bars at 16" o/c each way with 1¼" clear cover from inside face of wall. Extend bars min 32" past stair openings. Provide 24"x24" 10M hooked dowels at 16" o/c vertically lapped & tied to horizontal bars at the corners. Provide (3) ½" dia. OBC anchor bolts at 16" o/c just past the stair opening.

#### 11. Beam Supporting Concrete Slab over Garage Stairs

W6x15

2

Factored reaction @ ends: 1.0 kips

Approx. span (centre-to-centre) = 4'-4"

Provide 3" minimum bearing in a beam pocket at each end.

#### 12. Foundation Wall Reinforcement at Flush Entry

Where finished grade exceeds 9'-4" above top of footing, see SBM detail S1 for foundation wall reinforcement.

We trust this report meets your satisfaction; if you need further clarification please do not hesitate to contact us.

Regards,

Strik, Baldinelli, Moniz Ltd.

Planning • Civil • Structural • Mechanical • Electrical

Aidan Sabourin, P. Eng.

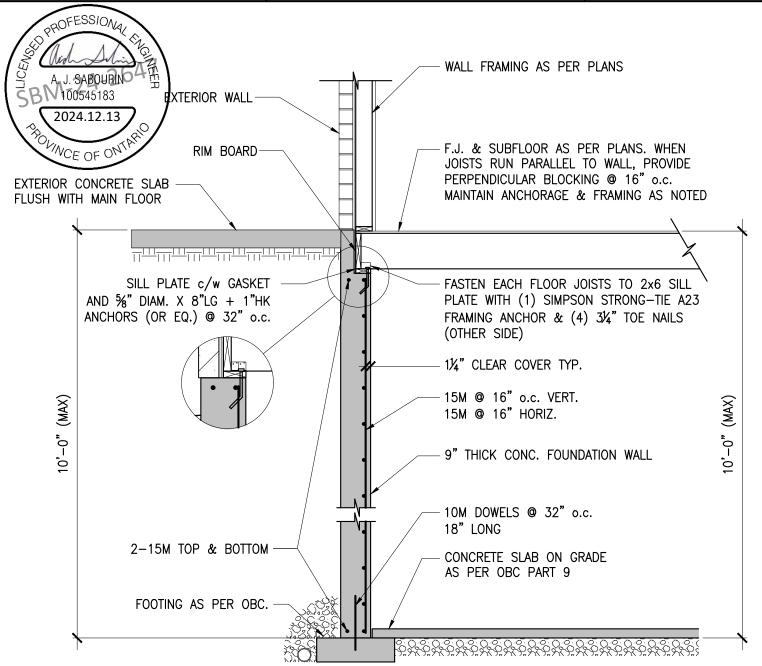
Structural Engineer I, Project Lead

SBN 100545183 2024.12.13 2024.12.13

PROFESSIONA/



DJ DESIGN	FILE NO.: S	SBM-24-2647
DJ DESIGN	DATE: [	DEC. 13, 2024
421 WATER ST, VITTORIA, ON	SHEET NO.:	S1
10'-0" TALL REINFORCED FDN WALL DETAIL	DRAWN BY.:	AJS



# 10' TALL REINFORCED FOUNDATION WALL DETAIL

NOTES: N.T.S.

- 1. SEALED FOR STRUCTURAL INFORMATION ONLY. SEE STRUCTURAL SPECIFICATIONS ON SHEET SS1 PROVIDED.
- 2. CONCRETE TO BE Fc'=25MPa (MIN.) IN 28 DAYS WITH 5-8% AIR ENTRAINMENT.
- 3. WALLS SUPPORTING DRAINED EARTH HAVE BEEN DESIGNED IN ACCORDANCE WITH 2012 OBC 9.4.4.6.(1)(a).
- 4. DO NOT BACKFILL WALL UNTIL FLOOR DIAGRAM IS FULLY INSTALLED OR FOUNDATION WALL IS FULLY BRACED.
- 5. SOME TYPICAL 2012 ONTARIO BUILDING CODE PART 9 DESIGN ITEMS HAVE BEEN OMITTED FOR CLARITY. ENSURE ALL CONSTRUCTION CONFORMS 2012 OBC PART 9



### STRUCTURAL SPECIFICATIONS FOR O.B.C. PART 9 BUILDINGS

ONTARIO, CANADA

FILE: SBM - SS1 - PART 9 JAN. 02, 2024 DATE:

PROFESSIONAL ENGLISH REPORT OF THE PROPERTY OF

100223507

Won 22024 ROMACE OF ONTARIO

SHEET NO.: SS<sub>1</sub>

DRAWN BY: KF

#### **GENERAL**

THE ENGINEERING REVIEW BY STRIK BALDINELLI MONIZ LIMITED (SBM) IS FOR THE STRUCTURAL ITEMS NOTED ON THE SEALED DESIGN DOCUMENTS (PLANS, DETAILS, REPORT, ETC.) FOR WHICH THERE ARE NO PROVISIONS IN PART 9 OF THE ONTARIO BUILDING CODE (O.B.C.).

THE ENGINEERING REVIEW BY SBM IS LIMITED TO THE SITE/ADDRESS SHOWN 2. ON THE DRAWINGS/REPORT AND CANNOT BE USED FOR ANY OTHER

PROJECT WITHOUT EXPRESSED WRITTEN CONSENT BY SBM.
THE SEALED DESIGN DOCUMENTS ARE PREPARED BY SBM SOLELY FOR THE USE BY THE PARTY WITH WHOM SBM HAS ENTERED INTO A CONTRACT (HEREBY REFERRED TO AS THE CLIENT).

SBM'S REVIEW IS BASED ON THE INFORMATION (PLANS, ELEVATIONS, SECTIONS, DETAILS, GEOTECHNICAL REPORTS, SHOP DRAWINGS FOR PRE-ENG ELEMENTS, ETC.) PROVIDED TO US BY THE CLIENT AT THE TIME PRE—ENG ELEMENIS, EIC.) PROVIDED TO US BY THE CLIENT AT THE TIME OF OUR REVIEW. SBM IS NOT RESPONSIBLE FOR ANY ERRORS TO, OR OMISSIONS FROM, THIS INFORMATION. IT IS THE RESPONSIBILITY OF THE CLIENT TO PROVIDE US WITH ALL RELEVANT INFORMATION, TOGETHER WITH ANY ADDITIONS OR CHANGES THERETO.

THE CLIENT AND ALL OTHERS INVOLVED IN THE CONSTRUCTION OF THIS HOUSE OR SMALL BUILDING SHALL CONFORM TO THE REQUIREMENTS OF

HOUSE OR SMALL BUILDING SHALL CONFORM TO THE REQUIREMENTS OF O.B.C. PART 9 INCLUDING ALL STANDARDS REFERENCED THEREIN, AND ANY APPLICABLE ACTS OF AUTHORITY HAVING JURISDICTION.

THIS SPECIFICATION SHEET IS INTENDED TO SUPPLEMENT THE SEALED DESIGN DOCUMENTS PROVIDED AND O.B.C. PART 9 AS IT DOES NOT INCLUDE ALL REQUIREMENTS PROVIDED THEREIN. IF THE CLIENT REQUIRES FURTHER CLARIFICATION PLEASE CONTACT SBM OR THE LOCAL BUILDING DIVISION.

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS

O.REG. 213/91.

SBM HAS ASSUMED THAT ANY REQUIRED INSPECTIONS WILL BE PERFORMED BY THE LOCAL BUILDING DIVISION. IT IS THE RESPONSIBILITY OF THE CLIENT TO PROVIDE A MINIMUM OF 48 HOURS NOTICE FOR ANY INSPECTIONS REQUIRED TO BE PERFORMED BY SBM.

THE DESIGN AND CONSTRUCTION OF ANY TEMPORARY SHORING REQUIRED TO CONSTRUCT THE WORKS HEREIN IS THE RESPONSIBILITY OF OTHERS. WHERE MULTIPLE DESIGN OPTIONS ARE PRESENTED, IT IS THE RESPONSIBILITY OF THE CLIENT, IN CONSULTATION WITH THE OWNER, TO SELECT THE APPROPRIATE ALTERNATIVE.

#### FOOTINGS AND FOUNDATIONS

ALL CONCRETE SHALL CONFORM TO O.B.C. 9.3.1. AND ALL FOOTINGS AND FOUNDATIONS SHALL CONFORM TO O.B.C. 9.15. UNLESS NOTED OTHERWISE (U.N.O.) ON THE SEALED DESIGN DOCUMENTS PROVIDED.

FOUNDATIONS HAVE BEEN DESIGNED ASSUMING AN ALLOWABLE SOIL BEARING 3.

PRESSURE OF 100kPa (2090psf). IT IS THE RESPONSIBILITY OF THE CLIENT TO INFORM SBM IF THIS BEARING PRESSURE CANNOT BE ACHIEVED.

FOUNDATION WALLS SUPPORTING DRAINED EARTH HAVE BEEN DESIGNED FOR

THE LOAD PROVIDED IN 9.4.4.6.(1)(a). ENSURE PROVISIONS ARE MADE FOR APPROPRIATE DRAINAGE OF GROUNDWATER.

ENSURE ALL FOUNDATION WALLS ARE LATERALLY SUPPORTED PRIOR TO BACKFILLING.

ALL REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF CAN/CSA G30. REINFORCING BARS SHALL BE DEFORMED HI-BOND HARD GRADE WITH A MINIMUM YIELD STRENGTH OF 400MPa.

#### WOOD-FRAME CONSTRUCTION

ALL LUMBER AND WOOD PRODUCTS SHALL CONFORM TO O.B.C. 9.3.2. AND ALL WOOD—FRAME CONSTRUCTION SHALL CONFORM TO O.B.C. 9.23. U.N.O. ON THE SEALED DESIGN DOCUMENTS PROVIDED.

ALL STRUCTURAL COMPOSITE LUMBER (SCL) SHALL BE 2.0E WITH Fb=2950 (USA ASD) OR Fb=5450 (CANADIAN LSD) OR BETTER. FASTEN MULTI-PLY SCL BEAMS AS PER MANUFACTURER'S SPECIFICATIONS, PROVIDE 3" BEARING LENGTH AT ENDS U.N.O.

ALL PRE-ENGINEERED SYSTEMS (ROOF TRUSSES, FLOOR JOISTS, ETC.) SHALL BE DESIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER OF ONTARIO. PROVIDE LAYOUTS AND SEALED DESIGN SHEETS TO SBM AND THE LOCAL BUILDING DIVISION.

ENSURE THE EXTERIOR WALLS ARE BRACED AS PER O.B.C. 9.23.10.2. TO PROVIDE LATERAL SUPPORT FOR THE BUILDING.

PROVIDE SUFFICIENT LATERAL SUPPORT FOR THE TOP OF ALL DROPPED BEAMS AND LINTELS TO PREVENT LATERAL TORSIONAL BUCKLING.

1. AN EXAMPLE OF SUFFICIENT LATERAL SUPPORT IS (2014) (AS DEED OR 1997).

- JOIST FOR LEDGER STRIP TO WOOD BEAM CONNECTION (AS PER O.B.C. TABLE 9.23.3.4.)
- ALL WOOD COLUMNS SHALL CONFORM TO O.B.C. 9.17. U.N.O. PROVIDE A BUILT-UP WOOD STUD COLUMN EQUAL TO THE WIDTH OF THE BEAM/GIRDER TRUSS UNDER ALL BEAMS/GIRDER TRUSSES, MINIMUM. U.N.O. CONTINUE ALL COLUMNS DOWN TO FOUNDATION OR FULL BEARING ON BEAMS. BLOCK SOLID IN JOIST SPACES, TYPICAL (TYP.).

  ALL LINTELS SHALL HAVE 1 JACK STUD + 1 KING STUD AT ENDS U.N.O. ALL GUARDS SHALL CONFORM TO O.B.C. 9.8.8. AND SUPPLEMENTARY STANDARD SB-7 U.N.O.

  ALL POST LOADS SHOWN ON DRAWINGS ARE UNFACTORED. ALL ADJUSTABLE

STEEL POSTS (E.G. SUPER POST, JR POST, ETC.) SHALL BE DESIGNED AND APPROVED BY CCMC WITH APPROPRIATE FACTORS OF SAFETY.

ROOF AND CEILING FRAMING

1. ALL ROOF AND CEILING FRAMING SHALL
CONFORM TO O.B.C. 9.23.13. U.N.O. ON
THE SEALED DESIGN DOCUMENTS PROVIDED.

ALL ROOF RAFTERS/JOISTS AND CEILING JOISTS SHALL CONFORM TO THE SPANS SHOWN IN O.B.C. PART 9 TABLES A-3

WHERE REQUIRED, PROVIDE INTERMEDIATE SUPPORT FOR ROOF RAFTERS AS PER O.B.C. 9.23.13.7.

SBM ASSUMES THAT COLLAR TIES
WILL BE USED TO PROVIDE
INTERMEDIATE SUPPORT INSTEAD OF
STRUTS OR DWARF WALLS U.N.O.

(I.E. ALL ROOF RAFTERS BEAR ON EXTERIOR WALLS ONLY AND INTERIOR WALLS SUPPORT CEILING JOISTS ONLY U.N.O.)

WHERE THE RIDGE IS UNSUPPORTED, ROOF RAFTERS SHALL BE TIED TO THE CEILING JOISTS (OR SOLID BLOCKING @ 3'-11" O.C. MAX.) AT THEIR BASES AND NAILED AS PER O.B.C. TABLE 9.23.13.8. TO PREVENT OUTWARD MOVEMENT

OVER-FRAMED AREAS SHALL BE SUPPORTED ON LOWER ROOF

OVER-FRAMED AREAS SHALL BE SUFFORIED ON LOWER ROOF RAFTERS/JOISTS BY 2x4 STRUTS @ 24" O.C. EACH WAY MIN., U.N.O. WOOD ROOF TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH O.B.C. 9.23.13.11. OR PART 4 IF THEIR SPAN EXCEEDS 40'-0" (AS PER O.B.C. 9.23.1.1.).

IF THE TRUSSES ARE DESIGNED IN ACCORDANCE WITH O.B.C. PART 4, THE DESIGN OF UPLIFT ANCHORS SHALL BE PROVIDED BY THE TRUSS SUPPLIER ALONG WITH LAYOUTS AND SEALED DESIGN SHEETS.

TRUSSES SHALL BE INSTALLED AS PER TRUSS PLATE INSTITUTE OF CANADA "HANDLING, ERECTION, AND BRACING OF WOOD TRUSSES" GUIDELINE.

STRUCTURAL STEEL

1. ALL STEEL BEAMS SHALL CONFORM TO O.B.C. 9.23.4.3. AND ALL STEEL COLUMNS SHALL CONFORM TO O.B.C. 9.17. U.N.O. ON THE SEALED DESIGN DOCUMENTS PROVIDED.

ALL STRUCTURAL STEEL SHALL MEET OR EXCEED THE REQUIREMENTS FOR GRADE 350W IN CAN/CSA-G40.21 U.N.O. BELOW.

ANCHOR BOLTS ARE PERMITTED TO BE GRADE 300W IN CAN/CSA G40.21 (300MPa) OR ASTM A36 (248MPa).

TOP/BASE PLATES ARE PERMITTED TO BE GRADE 300W IN CAN/CSA G40.21 (300MPa).

ALL WELDING SHALL BE PERFORMED BY A CANADIAN WELDING BUREAU

ALL WELDING SHALL BE PERFORMED BY A CANADIAN WELDING BUREAU CERTIFIED WELDER AND CONFORM TO ALL APPLICABLE STANDARDS.
PROVIDE SUFFICIENT LATERAL SUPPORT FOR STEEL BEAMS TO PREVENT LATERAL TORSIONAL BUCKLING. SUFFICIENT LATERAL SUPPORT EXAMPLES:

1. DROPPED STEEL BEAM — AS PROVIDED IN O.B.C. 9.23.4.3.(3) OR A 2x6 TOP PLATE W/ %" THRU—BOLTS C/W NUTS & WASHERS OR HILTI X—U FASTENERS @ 24" O.C. STAGGERED INTO THE TOP FLANGE & (2) 12" THE TOP FLANGE & (2) 12" THE TOP FLANGE & (3) 12" THE TOP STATE TOP STAT (2)31/4" NAILS FROM EACH JOIST INTO THE TOP PLATE.

FLUSH STEEL BEAM - SOLID BLOCKING (2x LUMBER & PLYWOOD) BOLTED TO THE BEAM WEB WITH 1/2" OF THRU-BOLTS @ 16" O.C. STAGGERED TOP & BOTTOM AND APPROVED FACE-MOUNT HANGERS FOR THE JOIST TO BLOCKING CONNECTION.

WHERE A STEEL PLATE SUPPORTING MASONRY VENEER IS SPECIFIED, WELD TO THE TOP OR BOTTOM FLANGE OF THE BEAM WITH (2) ROWS OF 2"

LONG ¼" FILLET WELDS @ 8" O.C. MIN., STAGGERED.

ALL STEEL COLUMNS SHALL BE LATERALLY SUPPORTED TOP & BOTTOM
(E.G. BY CONCRETE SLAB ON GRADE, (2) ¾"ø BOLTS, OR 2" OF ¼" FILLET
WELD MIN.). CONTINUE ALL COLUMNS DOWN TO FOUNDATION OR FULL
BEARING ON BEAMS. BLOCK SOLID IN JOIST SPACES, TYP.

#### **LOADING**

1. ROOF LOADING:

- 1.1. SNOW LOAD = AS PER O.B.C. 9.4.2.2. (NOT LESS THAN 20.9psf) DEAD LOAD = 6psf (ROOF RAFTERS/JOISTS OR TRUSS TOP CHORDS) **CEILING LOADING:**
- ATTIC OR ROOF SPACE WITH LIMITED ACCESSIBILITY PRECLUDING THE STORAGE OR EQUIPMENT OR MATERIAL [AS PER O.B.C. 9.4.2.4.(1)]  $TOTAL\ LOAD = 7psf$

2.2. AC 2.2.1. ACCESSIBLE ATTIC IN RESIDENTIAL OCCUPANCIES

2.2.2.

1. LIVE LOAD = 30psf
2. DEAD LOAD = 12psf
ACCESSIBLE ATTIC IN NON-RESIDENTIAL OCCUPANCIES
1. LIVE LOAD = AS PER O.B.C. 4.1.5. 2.3. AC 2.3.1.

2.3.2. DEAD LOAD = 12psf

FLOOR LOADING:

3.1. LIVE LOAD = 40psf 3.2. DEAD LOAD = 12psf

ACCESSIBLE EXTERIOR PLATFORMS (AS PER O.B.C. 9.4.2.3.3.)

LIVE LOAD = GREATER OF 40psf OR SNOW LOAD DEAD LOAD = 12psf

4.2.

Sent from my iPhone

Begin forwarded message:

From: Andrew Wallace < Andrew. Wallace @norfolkcounty.ca>

Date: February 10, 2025 at 1:28:11 PM EST

Cc: Bohdan Wynnyckyj < Bohdan. Wynnyckyj @norfolkcounty.ca>

Subject: Re: 421 water street

Good afternoon,

Thank you for your email.

I have reviewed the proposal and agree with Lisa's view that there will be a compliance issue with the southern interior side yard setback for the new dwelling. The original Zoning By-law Amendment which allowed for the relocation of the hazard land boundaries and for the original dwelling to be built, was accompanied by a special provision (14.250) in the by-law which required a 6m interior (northern lot line) and rear yard setback and a 12m (40 foot) interior side yard setback to the southern lot line. The proposed new dwelling is seeking only 6m of interior side yard setback to the southern lot line.

It would be standard to require a Zoning By-law Amendment to amend a special provision. However, given the situation and that LPRCA agree with the reduced setback, we are prepared to allow this to be amended through a minor variance application at Committee of Adjustment. I have included an application form for your reference. Any questions about the process, please contact our Secretary Treasurer at coa@norfolkcounty.ca.

You will not be able to obtain a building permit for the works until this planning application has been completed unless the proposed dwelling is amended to comply with the zoning/special provision of 12m to the southern lot line and 6m to the northern lot line.

Kind regards,

Andrew Wallace, MScIP, MScArchCon

Planner
Planning
Community Development Division
12 Gilbertson Drive, Simcoe, Ontario, Canada, N3Y 4L1
519-426-5870 x1059 | 226-NORFOLK



### Long Point Region Conservation Authority

#### PERMIT No. LPRCA-2/25

PROHIBITED ACTIVITES, EXEMPTIONS AND PERMITS (CONSERVATION AUTHORITIES ACT - ONTARIO REGULATION 41/24)

4 Elm Street Tillsonburg, ON N4G 0C4 Phone (519) 842-4242 Fax (519) 842-7123 www.lprca.on.ca

Permission has been g	ranted to:		
Applicant:	John Jacobs	Telephone:	(519) 410-1720
Address:	421 Water Street, Vittoria, ON, N0E	Email:	johnjacobs@kwic.com
	1W0	_	
Agent:	John Jacobs	Telephone:	(519) 410-1720
Address:	421 Water Street, Vittoria, ON, N0E	Email:	johnjacobs@kwic.com
	1W0	-	
Location/Address of wo	orks: 421 Water Street, Roll # 3310493060	)11720	
Lot: 20	Concession: 4	Municipality:	Norfolk County
Description of Works:	To replace a 2800ft <sup>2</sup> dwelling that was desti	royed by a fire with a n	ew 3076ft <sup>2</sup> dwelling on the same location
Type of fill:	N/A		
This pe	rmit is valid on the above lo	<del></del> 2	
e Applicant and owner, by	ct to the following conditions:  acceptance of and in consideration of the iss  SEE REVERSE SIDE OF PERMIT)	uance of this permit, a	grees to the following conditions:
NERAL CONDITIONS.	SEE REVERSE SIDE OF PERIMITY	and the second s	
Locations and did dated and the as	NS: Imensions of proposed works must be as indicasociated information.	cated on the enclosed	copy of the work permit application



#### **DECLARATION OF A ZONING BY-LAW**

#### BY THE COUNCIL OF THE CORPORATION OF NORFOLK COUNTY

I, JIM MCINTOSH, hereby certify that the Notice of the Passing of a Zoning By-Law No. 30-Z-2010 of the Corporation of Norfolk County, passed by the Council of the Corporation on the 11th day of May, 2010, was given in manner and form and to the persons and agencies prescribed by regulation made by the Lieutenant Governor-in-Council under Subsection 18 of Section 34 of the Planning Act, R.S.O. 1990, c. P. 13.

I also certify that the twenty-day appeal period expired on the 2nd day of June, 2010 and to date no notice of appeal of the By-Law has been filed by any person in the office of the Clerk of Norfolk County.

DATED at Norfolk County this 3rd day of June, 2010

Jim McIntosh, MCIP, RPP

Manager, Community Planning Services



Decision Date

Notice Date

Appeal Deadline

11th day of May, 2010 13th day of May, 2010 **2nd day of June, 2010** 

File Number By-Law Number ZN-011/2010 30-Z-2010

#### NOTICE OF THE PASSING OF A ZONING BY-LAW

BY THE COUNCIL OF THE CORPORATION OF NORFOLK COUNTY

**TAKE NOTICE** that the Council of the Corporation of Norfolk County passed By-Law No. **30-Z-2010** on the 11th day of May, 2010 under Section 34(18) of the *Planning Act, R.S.O.* 1990, c. P. 13.

**AND TAKE NOTICE** that any person or agency may appeal to the Ontario Municipal Board in respect of the By-Law by filing an Appellant Form with the Clerk of Norfolk County not later than the **2nd day of June, 2010**.

If you wish to appeal to the Ontario Municipal Board, a copy of the Appellant Form is available from the Ontario Municipal Board website at www.omb.gov.on.ca or from the Clerk of Norfolk County. The Appellant Form must set out the reasons for the appeal and be accompanied by the fee of \$125.00 required by the Ontario Municipal Board (established by Regulation 888, R.R.O. 1990). Fees are payable by certified cheque or money order and should be made payable to the "Minister of Finance". You must submit the completed Appellant Form and prescribed fee to the attention of the Clerk, Norfolk County, 50 Colborne Street South, Simcoe ON N3Y 4H3.

Only individuals, corporations and public bodies may appeal a By-Law of Norfolk County to the Ontario Municipal Board. An appeal may not be filed by an unincorporated association or group. However, an appeal may be filed in the name of an individual who is a member of the association or the group on its behalf.

No person or public body shall be added as a party to the hearing of the appeal unless, before the By-Law was passed, the person or public body made oral submissions at a public meeting or written submissions to the Council or, in the opinion of the Ontario Municipal Board, there are reasonable grounds to add the person or public body as a party.

DATED at Norfolk County this 13th day of May, 2010



#### **PURPOSE AND EFFECT**

The purpose of this By-Law is to change the zoning on the subject lands from "Hazard Land (HL) zone" to "Agricultural (A) zone" to permit a "one family dwelling house".

Based on the Environmental Impact Study and Slope Stability Study, site specific setback provisions are set out in Section 36, the Special Provisions section of the Township of Delhi Zoning By-law and on a site specific schedule. These provisions address the requirements of the Long Point Region Conservation Authority and policy of the Provincial Policy Statement (2005) and the Norfolk County Official Plan regarding protection of the features and ecological functions for which the adjacent natural heritage features (significant woodlands and provincially significant wetlands) were identified.

The complete By-Law describing the lands to which the By-Law applies and the key map showing the location of the lands to which the By-Law applies is attached for your review.

Additional information regarding the proposed Zoning By-Law Amendment is available to the public for inspection at Community Planning Division, Norfolk County, 60 Colborne Street South, Simcoe ON N3Y 4H3 between 8:30 a.m. and 4:30 p.m., Monday to Friday or by calling 519.426.5870 or 519.875.4485 or 519.582.2100 ext 1341 or emailing mary.elder@norfolkcounty.ca.



#### BY-LAW NO. 30-Z-2010

OF

### The Corporation of Norfolk County

BEING A BY-LAW TO AMEND ZONING BY-LAW 1-DE 80, AS AMENDED, OF THE FORMER TOWNSHIP OF DELHI FOR PROPERTY DESCRIBED AS PART LOT 20, CONCESSION 4, GEOGRAPHIC TOWNSHIP OF CHARLOTTEVILLE, NORFOLK COUNTY IN THE NAME OF SCOTLYNN INVESTMENTS INC.

WHEREAS Norfolk Council is empowered to enact this By-Law, by virtue of the provisions of Section 34 of the Planning Act, R.S.O. 1990, c.P.13, as amended;

AND WHEREAS this By-Law conforms to the Norfolk County Official Plan.

## NOW THEREFORE THE COUNCIL OF THE CORPORATION OF NORFOLK COUNTY HEREBY ENACTS AS FOLLOWS:

- 1. That Schedule "A4" and "A4-A, Figure 3 Vittoria" of the Township of Delhi Zoning By-Law 1-DE 80, as amended, is hereby further amended by changing the zoning of the subject lands identified on Map "A" (attached to and forming part of this By-Law) from "Hazard Land (HL) zone" to "Agricultural (A) zone";
- 2. That Schedule "A4" and "A4-A, Figure 3 Vittoria" of the Township of Delhi Zoning By-Law 1-DE 80, as amended, is hereby further amended by delineating the lands identified on Map "A" (attached to and forming part of this By-Law) as having reference to subsection 36.297;
- 3. That the following subsection be added to section 36 of said Zoning By-Law 1-DE 80:
  - 36.297 That subsections (c) (iii) and (iv) Minimum Yard Requirements of Section 27.2 General Zone Provisions for the Agricultural Zone (A) shall not apply and in lieu thereof the following provisions as shown on Schedule 36.297.1, shall apply
    - i. Minimum interior side yard (right or north) setback

6 metres from boundaries of the plateau

ii. Minimum rear yard (west) setback

6 metres from boundaries of the plateau

iii. Minimum interior side yard (left or south) setback

12 metres from boundaries of the plateau

- 4. That this By-Law shall apply to the subject lands identified on Map "A" (attached to and forming part of this By-Law);
- 5. That the effective date of this By-Law shall be the date of final passage thereof.

ENACTED AND PASSED THIS 11TH DAY OF MAY, 2010.

First Reading:

May 11, 2010

Second Reading:

May 11, 2010

Third Reading:

May 11, 2010

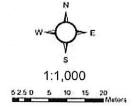
Mayor

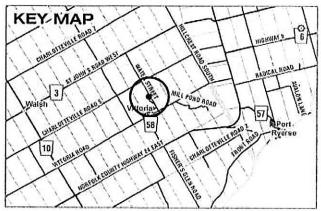
Clerk/Manager of Council Services

### Norfolk County

Geographic Township of

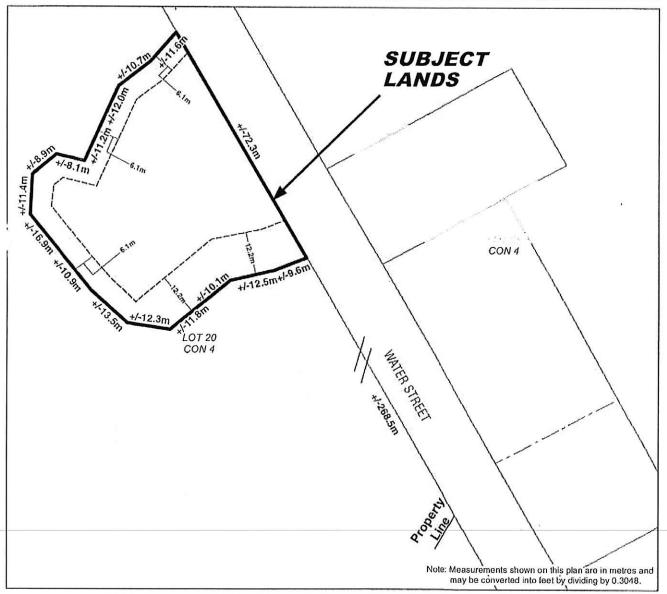
### Charlotteville





2010.

Denity CLERK

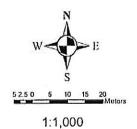


This is Map A to Zoning By-law 30-Z-2010 Passed the 11<sup>TH</sup>

### **SCHEDULE 36.297.1**

NORFOLK COUNTY

Geographic Township of CHARLOTTEVILLE



SUBJECT LANDS LOT 21 CON 4 LOT 20 CON 4 Note: Measurements shown on this plan are in metres and may be converted into feet by dividing by 0.3048.

Included by Zoning By-law 30-Z-2010 Passed the 11<sup>TH</sup> day of MAY 2010.

WAYOR Departy CLERK

# EXPLANATION OF THE PURPOSE AND EFFECT OF BY-LAW NO. 30-Z-2010

This By-Law affects a parcel of land described as Part Lot 20, Concession 4, Geographic Township of Charlotteville, Norfolk County.

The purpose of this By-Law is to change the zoning on the subject lands from "Hazard Land (HL) zone" to "Agricultural (A) zone" to permit a "one family dwelling house".

Based on the Environmental Impact Study and Slope Stability Study, site specific setback provisions are set out in Section 36, the Special Provisions section of the Township of Delhi Zoning By-law and on a site specific schedule. These provisions address the requirements of the Long Point Region Conservation Authority and policy of the Provincial Policy Statement (2005) and the Norfolk County Official Plan regarding protection of the features and ecological functions for which the adjacent natural heritage features (significant woodlands and provincially significant wetlands) were identified.

Applicant: Scotlynn Investments Inc. File No. ZN-011/2010 Report No. P.E.D. 10-63 Assessment Roll No. 3310-493-060-11700

## Premise and Justification of Minor Variance Application for 421 Water St., Vittoria

This application seeks relief of 6.11m from the required 12.2m left (south) side yard setback to permit a left (south) side yard setback of 6.09m.

Situate on the subject property is a 15 year old, 3,000 sq. ft. dwelling that suffered a devastating fire June 17, 2024. Though, from the road, the house appears sound, its interior was destroyed and, became structurally comprised during the fire event.

The owners propose demolition and removal of the existing house and to reconstruct on basically the same footprint, with the exception of attached garage each side of the house. The proposed attached garage on the south side of the house precipitates this application.

In the year 2010, in order to build the current home, the owners were granted bylaw amendment, 30-Z-2010 (copy attached), providing for a south side yard setback of 12.2 m. This amendment was later incorporated as special provision 14.250 to Norfolk County Zoning Bylaw 1-Z-2014.

14.250 – In lieu of the corresponding provisions in the A Zone and in accordance with Schedule 14.250.1, the following shall apply:

- a) minimum interior side yard (right or north) 6.1 metres;
- b) minimum interior side yard (left or south) 12.2 metres;
- c) minimum rear yard (west) 6.1 metres.

Following the June 17<sup>th</sup> fire, Mr. Jacobs attended the Building Department office on July 8<sup>th</sup> to inquire about rebuilding his house. He was told by the Building Department to obtain approval from Long Point Region Conservation Authority. After contact with the Conservation Authority, LPRCA staff attended the property on August 6<sup>th</sup> and issued a letter of approval August 13<sup>th</sup>. On January 9, 2025 the Conservation Authority issued LPRCA-2/25 to permit the reduction of the south yard setback and to permit construction of the new house (copy attached).

Mr. Jacobs submitted his building permit application package January 13, 2025 and made payment, as instructed, on January 27, 2025 (Building Permit PRBD20250041).

On January 8, 2025, Demolition Permit PRDEM20250018 was issued for the demolition of the existing fire-ravaged house.

January 30, 2025, Norfolk County Building Department issued their "Review Comments" on Building Permit Application PRBD20250041.

February 10, 2025, Mr. Jacobs was advised by the Building Department that a Planning Application would be required for relief of the south side yard setback.

Same day, February 10, 2025, Planner Andrew Wallace, advised that because LPRCA had agreed to the reduced south side yard setback, the Planning Department would allow Special Provision 14.250 to be amended through a Minor Variance Application to the Committee of Adjustment.

The following documents are attached:

- LPRCA Permit 2/25, permitting construction
- Bylaw amendment 30-Z-2010
- Architectural Plans of proposed new house
- GIS map of property
- LPRCA staff e-mails of support
- Planning Department e-mails of direction

This application conforms to Provincial Planning Statement 2024.

Under Section 45(1) of the Planning Act, there are four tests a minor variance must meet. In order to be considered the application must meet all four tests:

- Does the application conform to the general intent and purpose of the Official Plan.
- Does the application conform to the general intent and purpose of the Zoning Bylaw.
- Is the application desirable for the appropriate development of the lands in question.
- Is the application minor.

### Norfolk County Official Plan

The subject property is designated as Agricultural in the Norfolk County Official Plan. Permitted uses within this designation include single family dwellings. The application enables the reconstruction of a single family dwelling destroyed by fire June 17<sup>th</sup>, 2024, and therefore conforms to the general intent and purpose of the Official Plan.

#### Norfolk County Zoning By-law 1-Z-2014

Zoning By-law 1-Z-2014 zones the property Agricultural. Article 12.1.1d) permits a single detached dwelling with attached garage within the Agricultural Zone.

The general intent and purpose of the Norfolk County Zoning By-law is to maintain the character of the neighborhood. The Zoning Bylaw also contains provisions that permit the reconstruction of homes destroyed by fire. The proposed new home largely occupies the existing 15 year old home's footprint. The proposed new house, complete with its attached garage, is compatible with the established streetscape. The requested variance will promote the continued use of the residential property.

### Is the Variance Desirable and Appropriate

The continued use of this property, with a reconstructed home, is compatible with, and fits within the existing neighborhood. This proposal, to rebuild a fire-damaged house with attached garages, is a desirable and an appropriate reflection of the existing Water Street streetscape.

### Is the Variance Minor in Nature

The application is minor in nature because it proposes a minor reduction in south side yard setback that is supported by the Conservation Authority, in order to rebuild a home that was destroyed by fire in June of 2024. The minor reduction in south side yard setback impacts no neighbors, and has LPRCA support. The proposed new house is shielded from neighbors by woodlots and ravines on three sides.

#### Conclusion:

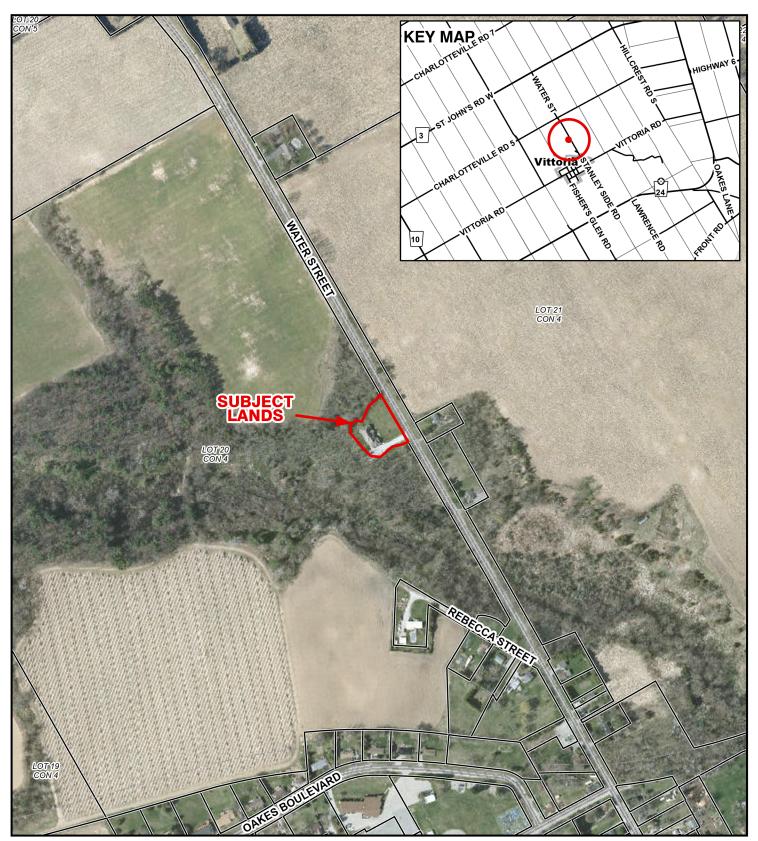
This application promotes the reconstruction of an existing house destroyed by fire back on June 17, 2024. The property owner first made overtures to the Building Department July 8, 2024, regarding rebuilding his home. He was notified February 10, 2025 of the need to seek Planning approval. Further, the requested relief of south side yard setback is minor in nature, appropriate for the neighborhood, compatible with the existing streetscape, supported by LPRCA, and generally meets the intent of the Norfolk County Official Plan and the Norfolk County Zoning Bylaw.

This application meets all four of the tests enumerated in Section 45(1) of the Planning Act and is therefore recommended for approval.

David McPherson

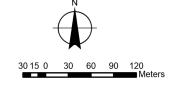
#### **CONTEXT MAP**

Geographic Township of CHARLOTTEVILLE



Legend

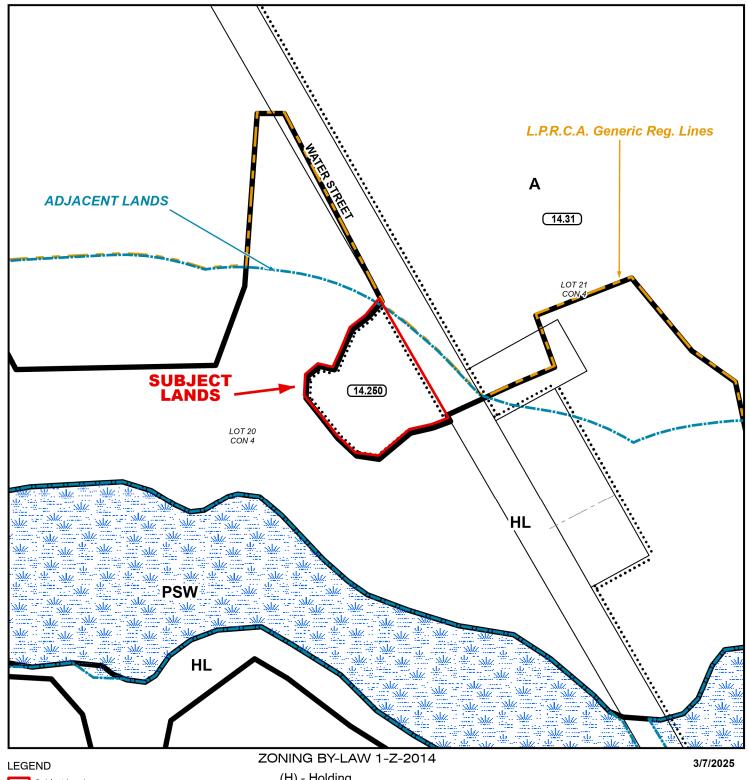




3/7/2025

### MAP B **ZONING BY-LAW MAP**

Geographic Township of CHARLOTTEVILLE



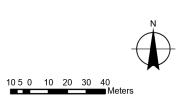


(H) - Holding

A - Agricultural Zone

HL - Hazard Land Zone

PSW - Provincially Significant Wetland Zone



### **CONCEPTUAL PLAN**

Geographic Township of CHARLOTTEVILLE

