PROPOSED SEMI-DETACHED
for
CARL VINCENT

DRAWING SCHEDULE

SHEET	TITLE
A1	PROJECT INFORMATION
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LIST OF REQUIRED DOCUMENTS:

FOR EXCAVATION INSPECTION

> SOIL REPORT INDICATING LOAD BEARING CAPACITY FROM GEOTECHNICAL SOIL ENGINEER.

FOR FRAMING INSPECTION

> TRUSSES SHOP DRAWINGS FROM TRUSS MANUFACTURER.

> FLOOR JOISTS LAYOUT AND SPECIFICATIONS FROM ENGINEER FLOOR SYSTEM MANUFACTURER.

FOR OCCUPANCY INSPECTION

> CERTIFICATE OF FINAL INSPECTION FROM ELECTRICAL SAFETY AUTHORITY (E.S.A.)

> SEPTIC SYSTEM-USE PERMIT FROM EASTERN ONTARIOHEALTH UNIT (E.O.H.U.) (IF HOUSE ON SEPTIC BED)

> RESIDENTIAL MECHANICAL VENTILATION RECORD FROM MECHANICAL VENTILATION CONTRACTOR.

> POTABLE WATER TEST FROM MINISTRY OF HEALTH(c/o E.O.H.U.)

> WELL RECORD FROM MINISTRY OF THE ENVIRONMENT(M.O.E.)

FOR FINAL INSPECTION

> BUILDING LOCATION SURVEY (B.L.S.) FROM THE ONTARIO LAND SURVEYOR.

> FINAL GRADING PLAN FROM ONTARIO LAND SURVEYOR OR CIVIL ENGINEER.

> COMPLIANCE CERTIFICATE FROM EASTERN ONTARIO HEALTH UNIT (E.O.H.U.)

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 be designer.

QUALIFICATION INFORMATION

Required unless design is exempt in the building code

NAME	SIGNATURE	BCIN
ALAIN LAVOIE		24109

REGISTRATION INFORMATION

Required unless design is exempt in the building code

NAME	BCIN
ALAIN LAVOIE ARCHITECTURE	29347

(#)	QT.	EXTERIOR DOORS SCHEDULE NOMINAL SIZE	GLASS AREA FT2
D1	2	37 3/4" x 82 1/2" (INSUL.) C/W DEADBOLT & WEATHERSTRIP	N/A
D2	2	35 3/4" x 82 1/2" (INSUL.) C/W DEADBOLT, WEATHERSTIP & SELF CLOSER	N/A
D3	2	59" x 8´" PATIO DOOR	30.60
		P.S.: ALL DIMENSIONS ARE DOOR FRAME NOT R.O.	30.60

CONSULTANT:

TRUSS MANUFACTURER:
ST. LAWRENCE STRUCTURES ST-LAURENT Inc.
CORNWALL ONTARIO 613-932-4413
WWW.slstructures.ca

PROJECT AREA:

	FRAMING	With STONE
HOUSE AREA:	2248 sqft	2262 sqft
GARAGE AREA:	599 sqft	618 sqft

WINDOW SCHEDULE

W#	QTY	FLR	ROOM NAME	DIMENSIONS W X H	DESCRIPTION	GLASS AREA (SQ FT)	FRAME AREA (SQ FT)	COMMENTS
W01	2	0	FAMILY	48"X24"	RIGHT SLIDING	5.48	8.0	
W02	2	0	BEDRM#3	56"X24"	TRIPLE SLIDING	6.06	9.33	
W03	3	1	BEDRM #2/PORCH	81"X63"	MULLED UNIT-LHL/RHR	26.15	35.44	
W04	2	1	LIVING	58"X63"	MULLED UNIT-LHL/RHR	19.16	25.38	
W05	1	1	DINING	30"X63"	SINGLE CASEMENT-HR	7.58	13.13	in UNIT "B"
W06	2	1	KITCHEN	40"X40"	DOUBLE CASEMENT-LHL	7.28	11.11	
W07	2	1	BEDROOM	28"X55"	SINGLE CASEMENT-HL	7.89	10.69	
W08	2	1	GARAGE	109"X14"	FIXED GLASS	N/A	N/A	
W09	2	1	BEDROOM	28"X55"	SINGLE CASEMENT-HR	7.89	10.69	
W10	1	1	DINING	30"X63"	SINGLE CASEMENT-HL	7.58	13.13	in UNIT "A"
TOTALS:							141.49	

P.S.: ALL DIMENSIONS ARE WINDOW FRAME NOT R.O.

ALAIN LAVOIE ARCHITECTURE
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CASSELMAN ONTARIO

SHEET TITLE: PROJECT INFORMATION

#	ISSUED TO CLIENT FOR BUILDING PERMIT	June 9, 2020
#1		
#2		

PROJECT: PROPOSED SEMI-DETACHED for Carl Vincent

DRAWN BY: ALAIN LAVOIE

DATE: June 2020

FILE: 20-11

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PRINTED: 6/9/2020

IMPORTANT NOTES

CODES & STANDARDS

- DO NOT SCALE THE PLANS
- ALL WORKMANSHIP IS TO BE OF A STANDARD EQUAL IN ALL RESPECTS TO GOOD PRACTICE.
- AT THE TIME OF PREPARATION, THIS PLAN WAS DRAWN IN ACCORDANCE WITH THE CURRENT EDITION OF THE NATIONAL BUILDING CODE. IT IS THE RESPONSIBILITY OF THE OWNER/BUILDER TO INSURE THAT CHANGES TO THE CODE ARE COMPLIED WITH AND ALL AMENDMENTS ARE INCORPORATED IN THE CONSTRUCTION. ALL WORK SHALL CONFORM TO BYLAWS, ORDINANCES AND REGULATIONS.
- PRIOR TO PROCEEDING WITH CONSTRUCTION, THE BUILDER MUST VERIFY ALL INFORMATION, DIMENSIONS AND SPECIFICATIONS WRITTEN. DIMENSIONS ALWAYS TAKE PRECEDENCE OVER SCALE MEASUREMENTS.
- ANY VARIANCES FROM THE DRAWINGS AND SPECIFICATIONS OR FROM CONDITIONS ENCOUNTERED AT THE JOB SITE, SHALL BE RESOLVED BY THE OWNER/BUILDER AND SUCH SOLUTIONS SHALL BE THEIR SOLE RESPONSIBILITY.
- CONSTRUCTION LOADS ON THE STRUCTURE CAUSED BY INTERIM STORAGE OF MATERIALS SHALL NOT BE ALLOWED TO EXCEED THE DESIGN LOADINGS.
- THE BUILDER IS TO PROVIDE ALL NECESSARY TEMPORARY SUPPORT FOR WALLS AND FLOORS PRIOR TO THE COMPLETION OF VERTICAL AND LATERAL LOAD SYSTEMS.
- THE OWNER/BUILDER SHALL BE RESPONSIBLE FOR THE CORRECT SITTING OF THE HOUSE ON THE PROPERTY.
- THE OWNER/BUILDER TO SUPPLY ALL MISSING DIMENSIONS ON SITE PLAN, ALSO ELEVATIONS OF LOT, LEGAL DESCRIPTION, NORTH DIRECTION, MAIN STREETS AND LOCATIONS OF SERVICES.
- THE OWNER/BUILDER TO BE RESPONSIBLE FOR CONDITIONS SUCH AS SOIL BEARING CAPACITY, DEPTH OF FROST PENETRATION, WATER TABLE OR BURIED STRUCTURES, ETC. .

MISCELLANEOUS

- DOORS & WINDOWS TRIM, FLOOR FINISHES, VANITIES, BATH SPLASH AND KITCHEN CABINETS TO MEET SPECIFICATIONS OF OWNER/BUILDER.
- APPROVED LOCKING MEDICINE CABINET TO BE INSTALLED IN AT LEAST ONE BATHROOM.
- COAT AND CLOTHES CLOSET SHALL HAVE AT LEAST ONE ROD AND SHELF. LINEN CLOSET SHALL HAVE 5 ADJUSTABLE SHELVES WHEREVER POSSIBLE. BROOM CLOSET SHALL HAVE ONE SHELF.
- CERAMIC AND PLASTIC TILE INSTALLED ON WALLS AROUND BATHTUBS OR SHOWERS SHALL BE APPLIED OVER MOISTURE RESISTANT BACKING.

GLASS & WINDOWS

- GLASS SLIDING PATIO DOORS ARE TO BE OF TEMPERED GLASS.
- ALL WINDOWS SHALL BE AS PER WINDOWS SCHEDULE.

HEATING & VENTILATION

- BUILDER OR HEATING CONTRACTOR TO PROVIDE HEAT LOSS CALCULATIONS AND LAYOUT.
- THE MECHANICAL & ELECTRICAL DESIGN SHALL BE THE RESPONSIBILITY OF THE MECHANICAL AND ELECTRICAL CONTRACTOR. IT IS THE RESPONSIBILITY OF THE CONTRACTORS TO ENSURE THAT THEIR DISCIPLINE WERE DESIGN AND INSTALLED AS PER CODE.

ELECTRICAL

- INSTALLATION OF ELECTRICAL ITEMS MUST COMPLY WITH LOCAL ELECTRICAL CODES AND REGULATIONS IN ALL RESPECTS.
- OUTLET LOCATIONS IF SHOWN ON PLANS COMPLY WITH CODE REQUIREMENTS AND ARE TO BE USED AS A GUIDE ONLY. ADJUST ACCORDING TO OWNERS OR LOCAL AUTHORITIES REQUIREMENTS.
- BATHROOM FANS SHALL BE 60 CFM AND ALL EXHAUST FAN TO BE C/W THERMAL INSULATION 1" (25mm) THICK AND ANTI-SWEAT VAPOUR BARRIER.

CARPENTRY

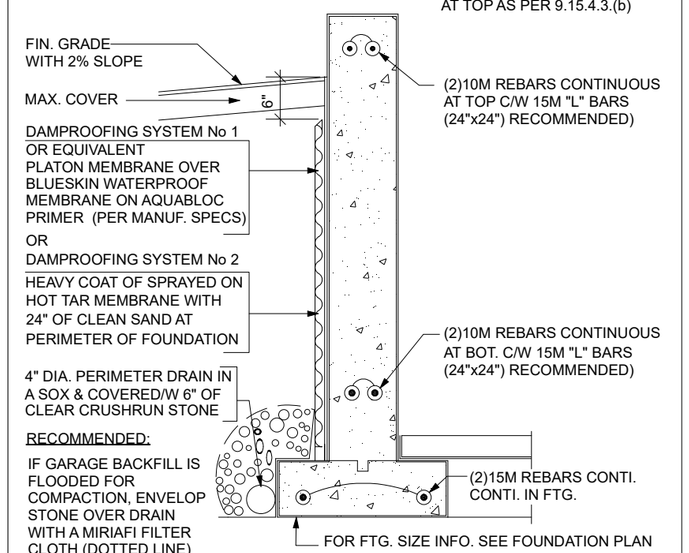
- FRAMING LUMBER SHALL BE NUMBER TWO (2) OR BETTER UNLESS OTHERWISE SPECIFIED ON PLAN, AND LINTEL SIZES SHOWN ON THE DRAWINGS ARE BASED ON NUMBER TWO (2) SPRUCE.
- JOIST SHALL BE PLACE TO ACCOMMODATE HEATING AND PLUMBING, ETC.
- OWNER/BUILDER TO OBTAIN SHOP DRAWINGS FROM MANUFACTURER OF TRUSSES.
- LUMBER FLOOR JST WITH SPANS OF MORE THAN 7 FT. SHALL BE BRIDGED AT MID SPAN OR AT 7 FT. O.C. MAX. UNLESS SHEATING OR STRAPPED BOTH SIDES WITH WITH WOOD. BRIDGING SHALL BE 2x2 DIAGONAL TYPE WHEREVER POSSIBLE.
- PLATES ARE TO BE ANCHORED TO CONCRETE WITH 1/2" ANCHOR BOLTS @ 72" MAXIMUM SPACING.
- FLUSH FRAMED WOOD MEMBERS SHALL BE ANCHORED WITH JOIST HANGERS UNLESS OTHERWISE SPECIFIED.
- DIMENSIONS ARE FROM THE OUTSIDE FACE OF STUDS.

INSULATION & ROOF VENTILATION

- CEILING INSULATION MAY BE LOOSE FILL TYPE OR BATT TYPE WALL.
- WALLS AND CEILINGS BETWEEN RESIDENCE AND ATTACHED GARAGE SHALL BE INSULATED.
- ALL ROOF SPACES SHALL BE VENTILATED WITH SOFFIT, ROOF VENTS AND EQUALLY DISTRIBUTED BETWEEN THE TOP OF ROOF SPACE AND SOFFITS AS SHOWN ON ELEVATION DWG.

LOADING

USE OF AREA	LIVE LOAD	DEAD LOAD
ROOF <40ft	38 PSF	14 PSF
ROOF >40ft	46 PSF	14 PSF
FLOOR	40 PSF	15 PSF
GARAGE FLOOR	50 PSF	
INTERIOR STAIR	40 PSF	
BALCONY, DECK	40 PSF	10 PSF



DAMPROOFING & REINFORCEMENT

FOUNDATION DETAIL SCALE: N.T.S. GD1

BASEMENT NOTES

BN1> 4"Ø WEEPING TILE IN A SOX TO BE INSTALLED AT THE PERIMETER OF FTG. AND COVERED/W 6" OF CLEAR CRUSHRUN STONE

BN2> 6 MIL VAPOR BARRIER SHALL BE INSTALLED UNDER BASEMENT SLAB EXCEPT IF UNDER SLAB IS INSULATED WITH RIGID INSUL.

BN3> MOISTURE BARRIER IS REQ'D BETWEEN WOOD & CONCRETE UNLESS P/T WOOD IS USED.

BN4> DBL RIM JSTS SHALL BE INSTALLED OVER FOUNDATION WALL PARALLEL TO FLOOR JSTS

BN5> HOT WATER TANK SHALL BE SECURED TO HOUSE STRUCTURE

BN6> HEATING & MECHANICAL VENTILATION SYSTEM SHALL BE INSTALLED AS PER CODE AND MANUFACTURER'S SPECS SHALL BE LEFT ON SITE.

BN7> O.B.C. Sec. 9.9.10.1.(1) EXIT WINDOW (BASEMENT) Shall be Openable from the Inside Without the Use of Tools and Provides an Individual Unobstructed Open Portion having a Minimum Area of 0.35m2 with no Dimensions Less than 380mm.

LICENSED PROFESSIONAL ENGINEER — Y. PARTHENAIS — PROVINCE OF ONTARIO

06-09-20 FOR STRUCTURAL REVIEW

FOUNDATION NOTES

SOIL BEARING

ALL FOOTING AND PADS MUST BE CARRIED DOWN TO ELEVATIONS SPECIFIED ON UNDISTURBED SOIL HAVING 1567 PSF (75 KPa) BEARING CAPACITY. ALLOWABLE SOIL BEARING MUST BE CONFIRMED BY A GEOTECHNICAL ENGINEER.

POURED CONCRETE

A> CONCRETE WORK SHALL CONFORM TO CSA CAN3-A23.1,2,3 WITH MAXIMUM AGGREGATE SIZE OF 3/4"(20mm) AND ULTIMATE STRENGTH AT 28 DAYS OF:
- 20 Mpa (2900 PSI) WALLS & FTG
- 25 MPa (3625 PSI) BASEM'T SLAB
- 32 MPa (4650 PSI) GARAGE & EXT. SLAB

B> FOR CONCRETE EXPOSED TO CYCLES OF FROST AND DEFROST, ENTRAINED AIR MUST BE BETWEEN 4.5 to 7% AND AS PER CAN3-A266.1 M78

C> CONCRETE IS TO HAVE A MAXIMUM SLUMP OF 100mm (4").

D> FOR NORMAL STRUCTURAL CONCRETE FULL CURING PERIOD IS 28 DAYS. IF FOR ANY REASON, THE CONTRACTOR NEEDS TO DISMANTLE THE FORMWORK OR APPLY ANY ADDITIONAL LOADS BEFORE CURING PERIOD IS OVER HE MUST GET A WRITTEN CONSENT FROM A STRUCTURAL ENGINEER.

E> NO LIVE LOAD OR DEAD LOAD OTHER THAN THE OWN WEIGHT OF THE CONCRETE ELEMENT SHALL BE APPLIED DURING CURING PERIOD.

F> CONTRACTOR MUST GIVE ENGINEER 24H. WRITTEN NOTICE BEFORE POURING CONCRETE WHEN ENG. SEAL IS ON PLAN

G> REINFORCING STEEL MUST MEET CSA G30.18 AND REINFORCING WELDED WIRE FABRIC MUST MEET G30.3 AND IS SUPPLIED IN SHEETS

H> ALL REBARS MUST BE 400 Mpa (60 Ksi), CLEAN OF ANY DIRT, AND LAID AS SHOWN ON DRAWINGS.

REBARS CONC. COVER

I> MIN. CLEAR COVER SHALL BE:
- A) CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 75mm (3")
- B) EXPOSED TO EARTH OR WEATHER:
  - 20M TO 55M BARS 50mm (2")
  - 15M BARS, 16mm WIRE AND SMALLER 40mm (1 1/2")

J> OVERLAPPING OF REBARS SHALL BE:
- FOR 15M AND SMALLER = 500mm (20")
- FOR 20M AND BIGGER = 600mm (24")

K> IN WALLS, PROVIDE CORNER REBARS OF 600mm x 600mm (24" x 24") SPACED SAME AS WALL REINFORCEM'T.

STEEL ANGLES FOR MASONRY VENEER (Table 9.20.5.2.B)

	CLEAR SPAN		EXT. ANGLES FOR 4" BRICK & STONE	
L1	≤ 2.30m	≤ 7'-6" (90")	L 89 x 89 x 6.4	L 3 1/2" x 3 1/2" x 1/4"
L2	2.48m	8'-0" (96")	L 102 x 89 x 6.4	L 4" x 3 1/2" x 1/4"
L3	3.08m	10'-0" (120")	L 127 x 89 x 7.9	L 5" x 3 1/2" x 5/16"
L4	3.24m	10'-7" (127")	L 127 x 89 x 11	L 5" x 3 1/2" x 7/16"
L5	3.33m	10'-11" (131")	L 127 x 89 x 13	L 5" x 3 1/2" x 1/2"
L6	3.54m	11'-7" (139")	L 152 x 89 x 11	L 6" x 3 1/2" x 7/16"
L7	3.77m	12'-4" (148")	L 152 x 89 x 13	L 6" x 3 1/2" x 1/2"
L8	3.82m	12'-6" (150")	L 152 x 102 x 13	L 6" x 4" x 1/2"
L9	3.99m	13'-1" (157")	L 178 x 102 x 11	L 7" x 4" x 7/16"
L10	4.25m	13'-11" (167")	L 178 x 102 x 13	L 7" x 4" x 1/2"

P.S. STEEL ANGLES SHALL HAVE 6" MIN. BEARING AT BOTH ENDS

FLOOR PLAN NOTES

N1> ALL EXTERIOR WALLS ARE IN 2x6 STUDS @ 16"c/c AND ALL INTERIOR WALLS ARE IN 2x4 STUDS @ 16"c/c UNLESS OTHERWISE SPECIFIED.

N2> NAT. GAS FIREPLACE MANUF. SPECS SHALLL BE LEFT ON SITE FOR INSPECTOR. (IF FIREPLACE IS INSTALLED)

N3> INSULATE AND CONTINUE VAPOUR BARRIER WHERE INTERIOR WALLS MEETS WITH EXTERIOR WALLS.

N4> PROVIDE CAULKING AT ALL EXTERIOR WALL FRAMING WHERE FRAMING MEMBERS ABUT.

N5> ALL HOSE BIB SHALL HAVE A BACK FLOW PREVENTER.

N6> ALL TOILET SHALL BE 6 LITRES PER FLUSH MAXIMUM. ADD BLOCKING IN WALL NEAR TOILET, SHOWER AND BATH TUB FOR FUTUR GRAB BAR AS PER BARRIER FREE DESIGN REQUIR'MTS.

N7> HOT WATER SUPPLIED TO FIXTURES SHALL NOT EXCEED 49%%D. (MIXING VALVE)

N8> ALL DOORS GIVING DIRECT ACCESS TO HOUSE FROM OUTSIDE SHALL BE EQUIPPED WITH DEADBOLT LOCK. PROVIDE SOLID BLOCKING ON BOTH SIDE OF DOOR JAMBS AT LOCK HEIGHT TO RESIST SPREADING BY FORCE.

N9> DOOR GIVING ACCESS FROM GARAGE TO HOUSE SHALL BE METAL INSUL. COMPLETE/W SELF CLOSER, DEADBOLT AND WEATHERSTRIP

N10> ALL OPENING IN RAILING & GUARDS SHALL BE DESIGNED TO PREVENT THE PASSAGE OF A 4" DIA. SPHERE AND PREVENT CLIMBING.

N11> DIVIDING WALL BETWEEN GARAGE AND HOUSE SHALL BE COVERED WITH 1/2" DRYWALL ON BOTH SIDE OF WALL AND DOUBLE TAPE JOINTS IN GARAGE(TYP. FOR WALL & CEILI'G).

N12> WALL STUDS SHALL BE CONTINUOUS FOR THE FULL STOREY HEIGHT EXCEPT AT OPENINGS.

N13> INDIVIDUAL MEMBER OF BUILT UP LINTELS SHALL BE FASTENED TOGETHER WITH A MIN. OF 3 1/2" NAILS IN A DOUBLE ROW SPACED @ 17 3/4" O.C. MAX.

N14> FRAMER TO REFER TO FLOOR JOIST MANUFACTURER'S PLAN FOR DETAILS IF WOOD I JOISTS ARE TO BE USED.

N15> RANGE/COOKTOP HOOD & DRYER SHALL BE EQUIPPED WITH EXHAUST DUCT LEADING TO OUTSIDE.

ABBREVIATIONS

A.A.	ATTIC ACCESS
ABV	ABOVE
A.B.	ANCHOR BOLT
B.F.	BI FOLD
BLK.	BLOCK
BLW.	BELOW
B/W	BOTH WAYS
B.P.	BEAM POCKET 3 1/2"
CATH.	CATHEDRAL
CLG.	CEILING
COL.	COLUMN
CONC.	CONCRETE
CSMT.	CASEMENT
C/C	CENTER
C/W	COMPLETE WITH
DBL.	DOUBLE
DECO.	DECORATIVE
DIA.	DIAMETER
DISP.	DISPOSAL
DJ	DOUBLE JOISTS
DRJ	DOUBLE RIM JOISTS
DR.	DOOR
DW	DISH WASHER
E.E.	EACH END
ELEC.	ELECTRICAL
ELEV.	ELEVATION
EXT.	EXTERIOR
EXIST.	EXISTING
F.G.	FINISH GRADE
F.R.	FIRE RATED
FIN.	FINISHED
FL.	FLOOR
FW.	FOUNDATION WALL
G.T.	GIRDER TRUSS
GA.	GAUGE
GALV.	GALVANIZED
GL.	GLASS
GS.	GIRDER SUPPORT
HGT.	HEIGHT
HORIZ.	HORIZONTAL
HR	HOUR
H.E.	HOOD EXHAUST
INSUL.	INSULATION
INT.	INTERIOR
JST	JOISTS
JH	JOIST HANGER
KIT.	KITCHEN
LG.	LONG
LIN.	LINEN
LT.	LIGHT
LVL	LAMINATED VENEER LUMBER
M.C.	MEDICINE CABINET
MECH.	MECHANICAL
M.R.H.	MEAN ROOF HEIGHT
M.T.	METAL THRESHOLD
MAX.	MAXIMUM
MFR.	MANUFACTURER
M/W	MICROWAVE
MIN.	MINIMUM
MTL.	METAL
O.H.D.	OVER HEAD DOOR
PL	PLATE
P.L.F.	POUNDS PER LINEAR FOOT
P.S.F.	POUNDS PER SQUARE FOOT
P.S.I.	POUNDS PER SQUARE INCH
P.T.	PRESSURE TREATED
PART'N.	PARTITION
PKT.	POCKET
PLYWD.	PLYWOOD
R.O.	ROUGH OPENING
S.A.	STEEL ANGLE
S.B.	SOLDIER BRICK
S.C.	SOLID CORE
S.G.D.	SLIDING GLASS DOOR
SF	SQUARE FOOT
SH	SINGLE HUNG
S/L	SIDELIGHT
S.S.T.	SIMPSON STRONG TIES
ST.	STIRRUPS
STL	STEEL
SW	SWITCH
SWC	SOLID WOOD CORE
TH	THICK
T.O.FD.	TOP OF FOUNDATION
T.O.FTG.	TOP OF FOOTING
T.O.PL.	TOP OF WOOD PLATE
TJ	TRIPLE JOISTS
TYP.	TYPICAL
US	UNDERSIDE
VERT.	VERTICAL
W/	WITH
WC	WATER CLOSET
WD.	WOOD

LEGEND:

- A / A# — DETAIL OR SECTION NUMBER / SHEET NO. WHERE TO FIND IT
- VS — Electric Smoke Detector with Visual Signaling Device *
- Electric Smoke Detector *
- CO — Electric Smoke & Carbon Monoxide Detector. *

* All Detectors Shall Be Interconnected with Each Other.

BP: Beam Pocket 4" Deep for 3 1/2" Beam Bearing

WOOD POST/STEEL COL. LEGEND

When NOT SPECIFIED, Standard Support (BOTH END) of Header Above Openings in Load Bearing Stud Wall is 1 JACK and 1 KING.

P0 = 3"dia. x 0.25" HSS POST ANCHORED AT TOP & BOT.

P1 = 3"dia. STEEL TELEPOST ANCHORED AT TOP & BOT.

P1a = REDJACK LIGHT DUTY TYPE 2 JACKPOST T2JPLD

P1b = BLACKJACK MEDIUM DUTY TYPE 2 JACKPOST T2JPMD102

P1c = REDJACK HEAVY DUTY TYPE 2 JACKPOST T2JPHD

P2 = (2)2x6 STUD POST (1 Jack + 1 King NAILED TOGETHER)

P2a = (2)2x6 STUD POST (2 Kings NAILED TOGETHER)

P3 = (3)2x6 STUD POST (2 Jack + 1 King NAILED TOGETHER)

P3a = (3)2x6 STUD POST (3 Kings NAILED TOGETHER)

P4 = (4)2x6 STUD POST (3 Jack + 1 King NAILED TOGETHER)

P4a = (4)2x6 STUD POST (4 Kings NAILED TOGETHER)

P5 = 4x4 WOOD POST P/T

P6 = 6x6 WOOD POST P/T

P7 = 5 1/4" x 5 1/4" VERSA-LAM

If Header is NOT Tight Under Top Plates, Solid Blocking to Match Support shall be Installed at Ends.

HEADER LEGEND:

All Header To Be (2)2x10 with P2 UNLESS OTHERWISE NOTED.

H1 =(2)2x12	H4 =(2)2x10	H7 =(2)2x8
H2 =(3)2x12	H5 =(3)2x10	H8 =(3)2x8
H3 =(4)2x12	H6 =(4)2x10	H9 =(4)2x8
H10 =(2)2x6	H11=(3)2x6	H12 =(4)2x6

CARRY ALL POINT LOAD DOWN TO FOOTING/FOUNDATION

ALAIN LAVOIE ARCHITECTURE
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SHEET TITLE: GENERAL NOTES

#	ISSUED TO CLIENT FOR BUILDING PERMIT	June 9, 2020
#2		

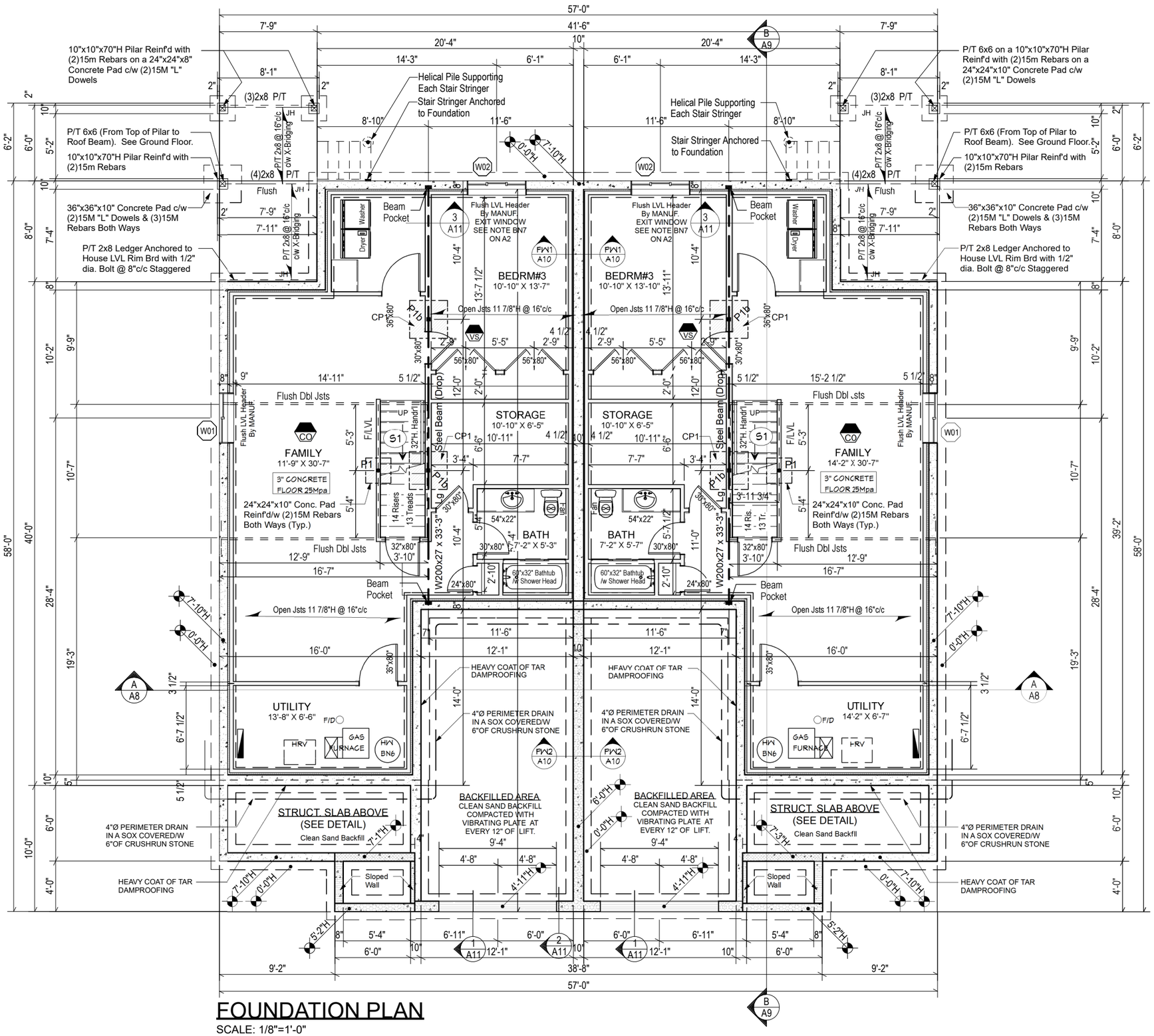
PROJECT: PROPOSED SEMI-DETACHED for Carl Vincent

DRAWN BY: ALAIN LAVOIE

DATE: June 2020

FILE: 20-11

A2
of 13
PRINTED: 6/9/2020



FOUNDATION PLAN

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

SEE FOUNDATION & BASM'T RELATED NOTES ON A2

06-09-20 FOR STRUCTURAL REVIEW

LEGEND:

- A / A# — DETAIL OR SECTION NUMBER / SHEET NO. WHERE TO FIND IT
- VS — Electric Smoke Detector with Visual Signaling Device *
- CO — Electric Smoke & Carbon Monoxide Detector.

All Detectors Shall have Batteries & Be Interconnected with Each Other.

CARRY ALL POINT LOAD DOWN TO FOUNDATION

WOOD POST/STEEL COL. LEGEND

- P1 = 3"dia. STEEL TELEPOST ANCHORED AT TOP & BOT.
- P1a = REDJACK LIGHT DUTY TYPE 2 JACKPOST T2JPLD
- P1b = BLACKJACK MEDIUM DUTY TYPE 2 JACKPOST T2JPMD
- P1c = REDJACK HEAVY DUTY TYPE 2 JACKPOST T2JPHD

CONC. FOOTING:
EXCEPT OTHERWISE SHOWN ON PLAN, ALL FOOTINGS ARE 24"x8" REINF'D WITH (2)15M REBARS CONTINUOUS C/W "L" BARS IN CORNERS.

FOUNDATION WALL:
ALL are POURED CONC. REINF'D WITH (2)10M REBARS AT TOP & (2)10M REBARS AT BOTTOM OF WALL.

WINDOW OPENING:
FOUNDATION AROUND WINDOW OPENINGS SHALL BE REINFORCED SEE ELEVATIONS

(CP) CONCRETE PAD

CP1 = 36" x 36" x 8" c/w (3)15m Both Ways c/w "L" Dowels (10"x32")

REFER TO FLOOR LAYOUT Q-201023AF FROM ST-LAWRENCE STRUCTURES DATED June 3, 2020

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SHEET TITLE: FOUNDATION PLAN

#	ISSUED TO CLIENT FOR BUILDING PERMIT	June 9, 2020
#2		

PROJECT: PROPOSED SEMI-DETACHED for Carl Vincent

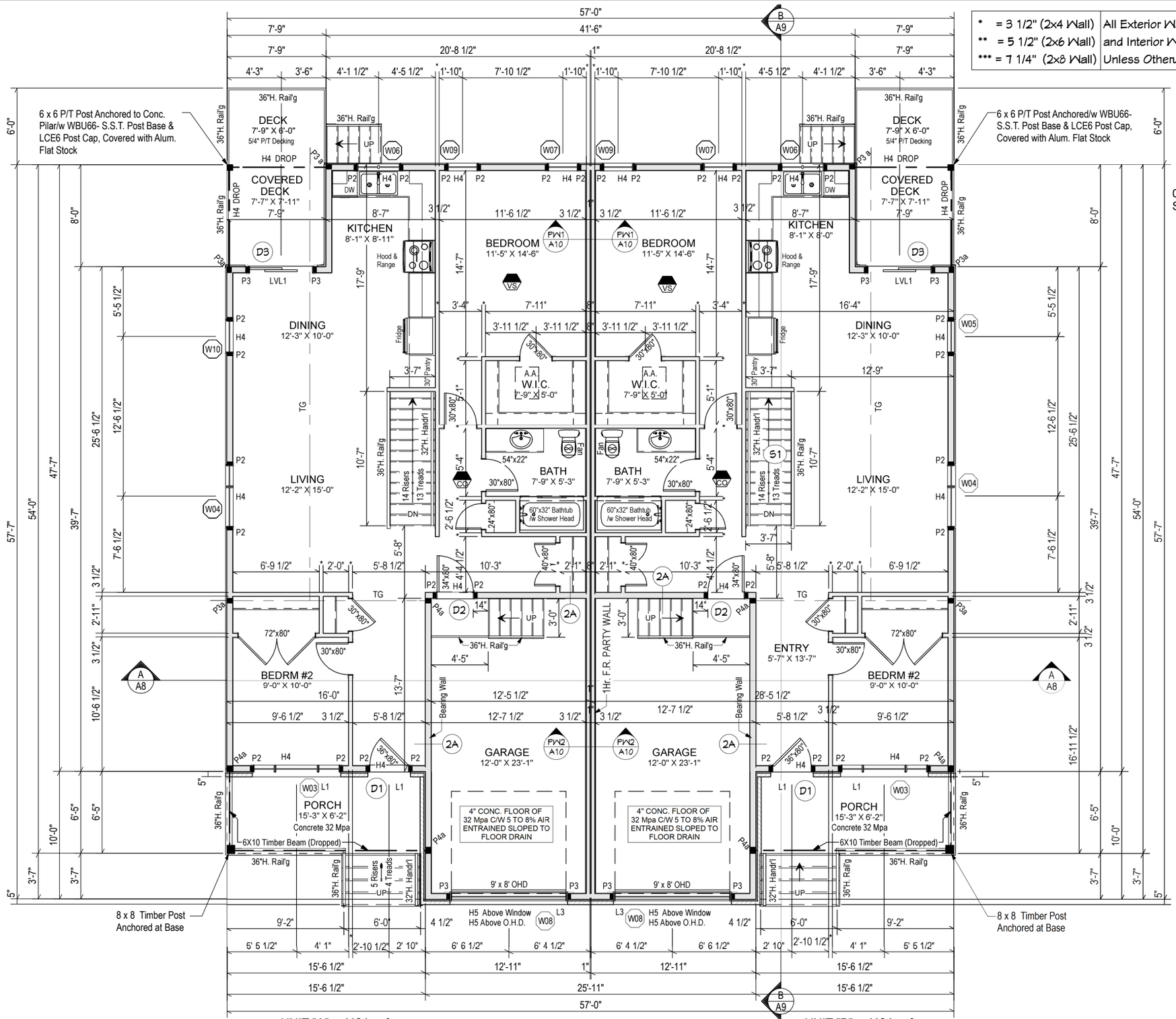
DRAWN BY: ALAIN LAVOIE

DATE: June 2020

FILE: 20-11

A3
of 13

PRINTED: 6/9/2020



GROUND FLOOR PLAN SCALE: 1/8"=1'-0"

* = 3 1/2" (2x4 Wall)	All Exterior Walls are 2x6 (5 1/2")
** = 5 1/2" (2x6 Wall)	and Interior Walls are 2x4 (3 1/2")
*** = 7 1/4" (2x8 Wall)	Unless Otherwise shown on Plan

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SEE GROUND FLOOR RELATED NOTES ON A2

A.A. 22" x30" Attic Access Insulated with R20 Rigid Insulation

2a WALL BETWEEN GARAGE/HOUSE

- 1/2" DRYWALL (GARAGE)
- 2x6 STUDS @ 16"c/c
- R22 BATT INSULATION
- 6 MIL VAPOUR BARRIER # CGSB 51.34M
- 1/2" DRYWALL (HOUSE)

LEGEND:

- A / A# DETAIL OR SECTION NUMBER SHEET NO. WHERE TO FIND IT
- VS Electric Smoke Detector with Visual Signaling Device
- CO Electric Smoke & Carbon Monoxide Detector.

All Detectors Shall have Batteries & Be Interconnected with Each Other.

CARRY ALL POINT LOAD DOWN TO FOOTING & FOUNDATION

WOOD POST/STEEL COL. LEGEND

When NOT SPECIFIED, Standard Support (BOTH END) of Header Above Openings in Load Bearing Stud Wall is 1 JACK and 1 KING.

- P2 = (2)2x6 STUD POST (1 Jack + 1 King NAILED TOGETHER)
- P2a = (2)2x6 STUD POST (2 Kings NAILED TOGETHER)
- P3 = (3)2x6 STUD POST (2 Jack + 1 King NAILED TOGETHER)
- P3a = (3)2x6 STUD POST (3 Kings NAILED TOGETHER)
- P4 = (4)2x6 STUD POST (3 Jack + 1 King NAILED TOGETHER)
- P4a = (4)2x6 STUD POST (4 Kings NAILED TOGETHER)
- P5 = 4x4 WOOD POST P/T
- P6 = 6x6 WOOD POST P/T
- P7 = 5 1/4" x 5 1/4" VERSA-LAM

If Header is NOT Tight Under Top Plates, Solid Blocking to Match Support shall be Installed at Ends.

HEADER LEGEND:

All Header To Be (2)2x10 with P2 UNLESS OTHERWISE NOTED.

H1 =(2)2x12	H4 =(2)2x10	H7 =(2)2x8
H2 =(3)2x12	H5 =(3)2x10	H8 =(3)2x8
H3 =(4)2x12	H6 =(4)2x10	H9 =(4)2x8
H10 =(2)2x6	H11=(3)2x6	H12 =(4)2x6

LVL 1 = (2)1 3/4" x 9 1/2" LP-LVL 2900Fb 2.0E

For Steel Angle L# see Legend on A2

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alavoie64@yahoo.com

SHEET TITLE: GROUND FLOOR PLAN

#	ISSUED TO CLIENT FOR BUILDING PERMIT	June 9, 2020
#2		

PROJECT: PROPOSED SEMI-DETACHED for Carl Vincent

DRAWN BY: ALAIN LAVOIE

DATE: June 2020

FILE: 20-11

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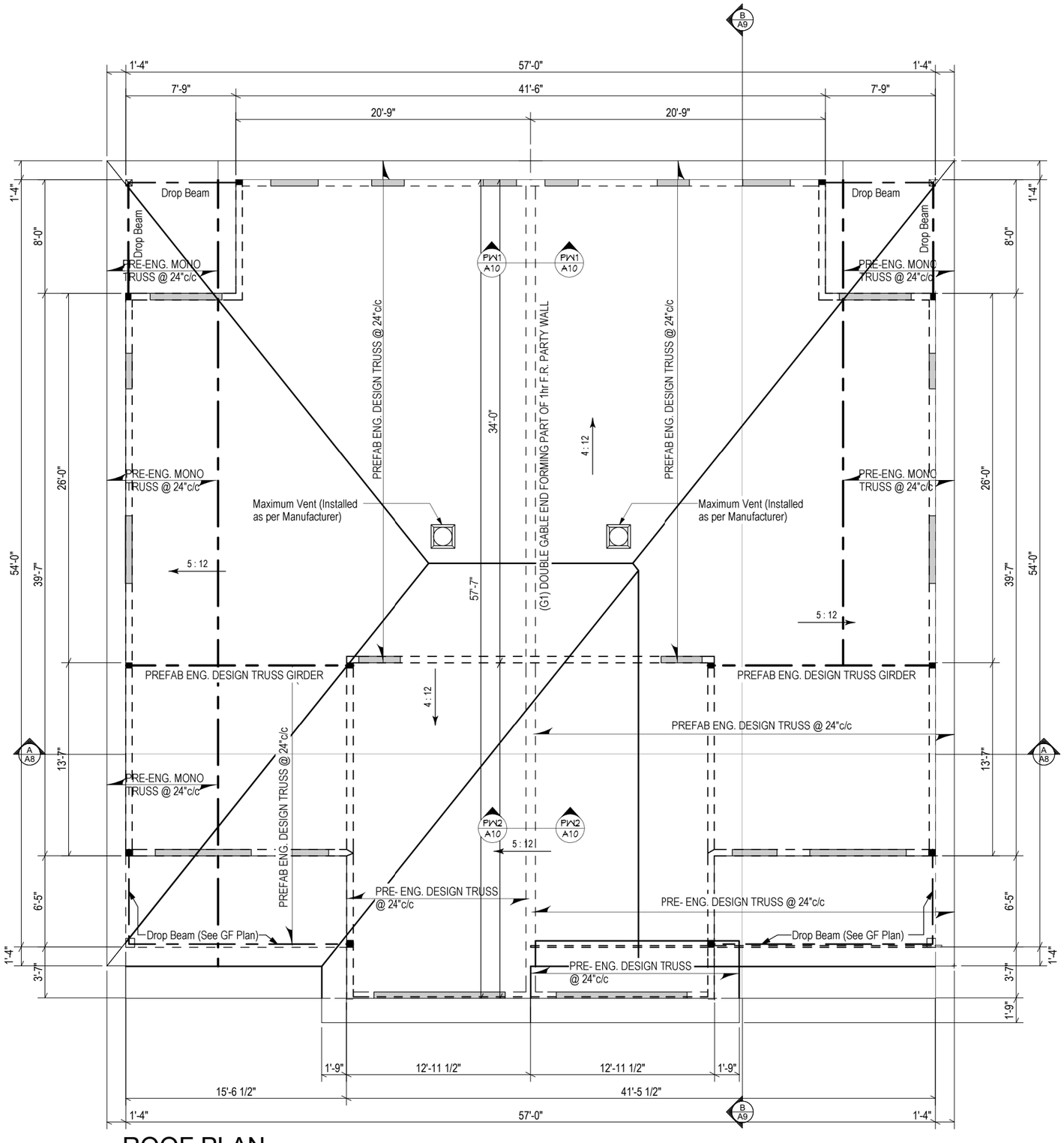

ROOF PLAN

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

CARRY ALL POINT LOAD DOWN TO FOOTING & FOUNDATION

ALL THE POSTS & LINTELS ARE IDENTIFIED ON THE FLOOR PLANS

REFER TO ROOF TRUSS LAYOUT Q-201023A FROM ST-LAWRENCE STRUCTURES DATED June 3, 2020

LICENSED PROFESSIONAL ENGINEER
Y. PARTHENAIS
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06-09-20 FOR STRUCTURAL REVIEW

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SHEET TITLE: ROOF PLAN

#	ISSUED TO CLIENT FOR BUILDING PERMIT	June 9, 2020
#2		
#1		

PROJECT: PROPOSED SEMI-DETACHED for Carl Vincent

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DATE: June 2020

FILE: 20-11

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of 13
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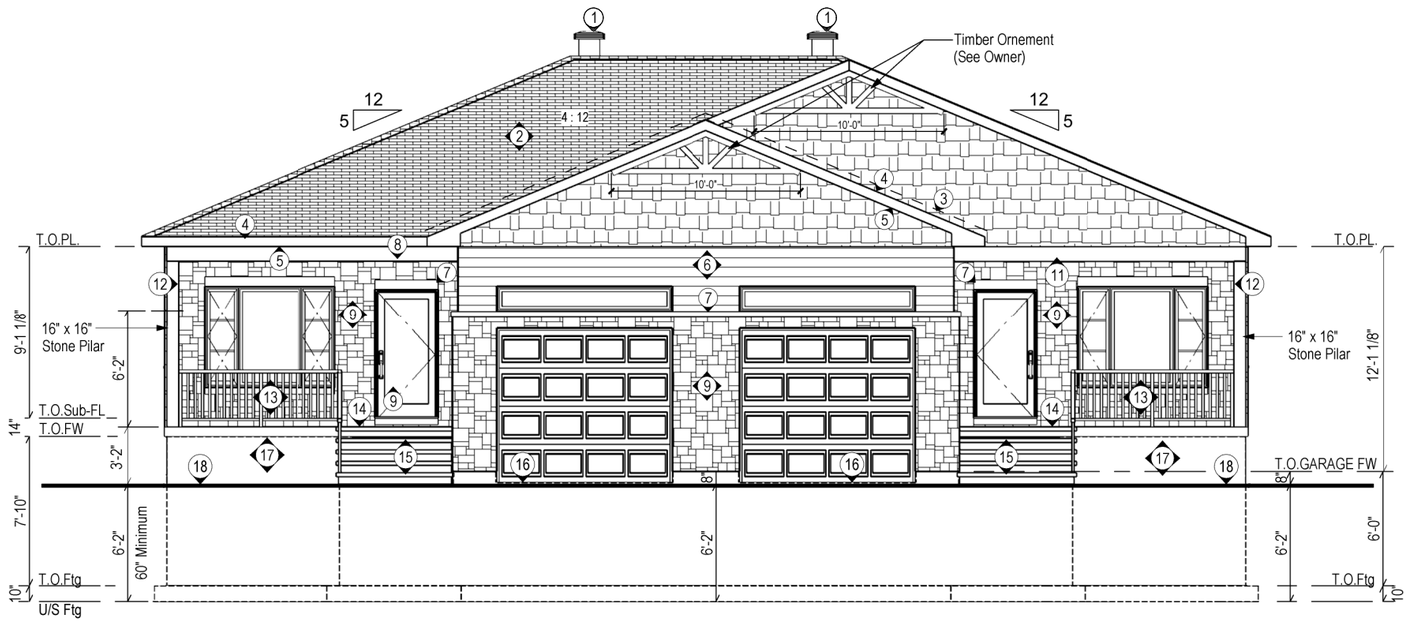
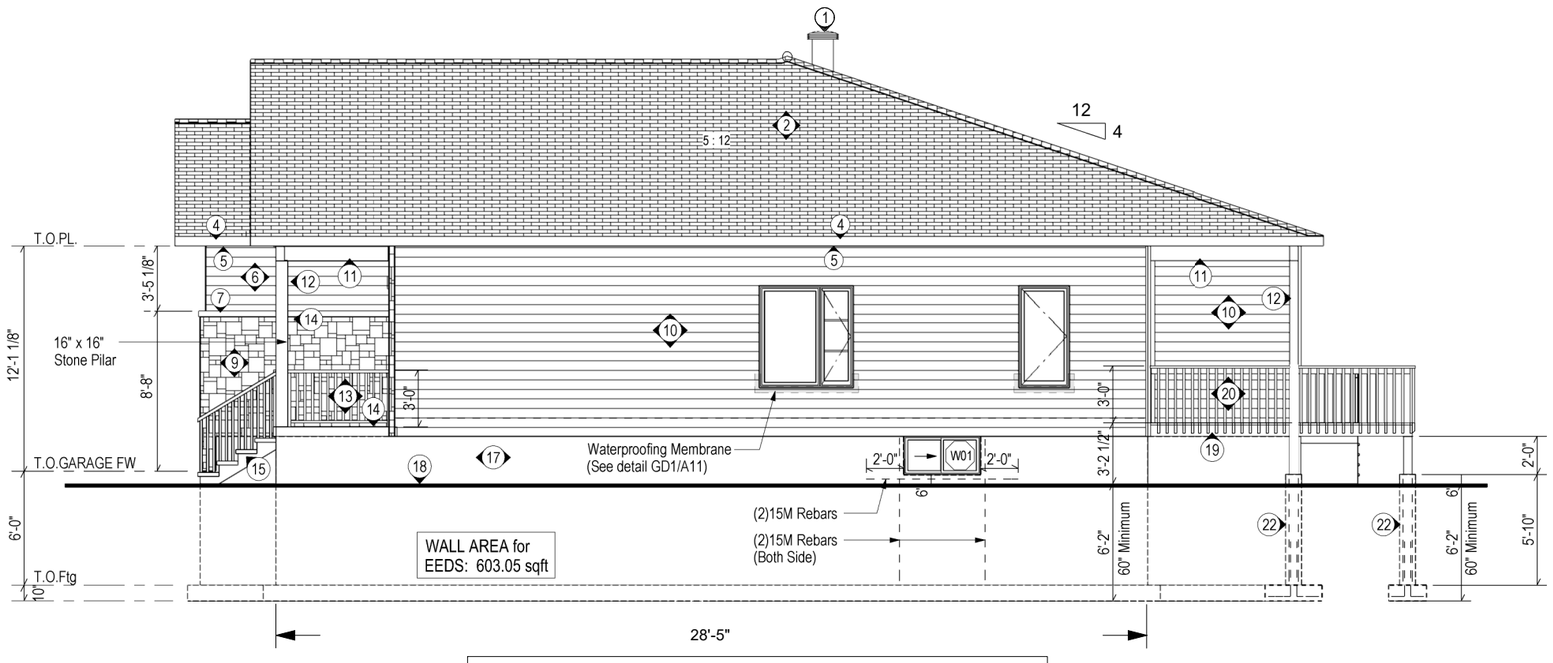


FRONT ELEVATION

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

WALL AREA for EEDS: 624.89 sqft



RIGHT ELEVATION

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

9.10.15. SPATIAL SEPARATION BETWEEN HOUSES

EXPOSING BUILDING FACE:	520.58 sqft	48.36 sqm
FRAME OPENING AREA:	XX.XX sqft	
ESTIMATED GLAZED OPENING AREA:	34.60 sqft	3.21 sqm

% of UNPROTECTED OPENING: (34.6 div. by 520.58 x 100) = 6.65%

THEREFORE MINIMUM LIMITING DISTANCE: 3'-11"

MATERIAL LEGEND:

1 > MAXIMUM VENT
2 > ASPHALT SHINGLES 25yrs MIN.
3 > PRE-PAINTED GALV. FLASHING
4 > ALUM. FASCIA ON 2x6
5 > ALUM. VENTED SOFFIT
6 > MAYBEC HORIZ. SIDING
7 > DECORATIVE STONE LINTEL
8 > DECORATIVE STONE SILL
9 > STONE c/w WEEPHOLES @ 24"c/c at SILL
10 > HORIZONTAL VINYL SIDING
11 > TIMBER BEAM (Stained)
12 > 8x8 TIMBER POST (Stained)
13 > 36"H. PREFAB ALUM. RAILING TO MEET O.B.C.
14 > STRUCTURAL PORCH SLAB (BROOM FINISH)
15 > REINFORCED CONCRETE STEPS (BROOM FINISH)
16 > 1" SLAB SLOPE AT OVER HEAD DOOR
17 > SAND FINISH PARGING
18 > FINISH GRADE 2%min. SLOPE AWAY FROM HOUSE
19 > 2x8 P/T DECK WITH 5/4 PT DECKING.
20 > 36"H. P/T RAILING
21 > HELICAL PILE (Each Stringer) TO SUPPORT END OF STAIR
22 > 10" x 10" REINF'D CONC. PILAR (See Foundation Plan)

IMPORTANT NOTES:

MISCELLANEOUS

- CAULK OVER AND AROUND ALL EXTERIOR OPENINGS USING NON-HARDENING CAULKINGCOMPOUND.
- FLASH ALL CHANGES OF MATERIALS ON EXTERIOR WALLS.
- ALL SIDING TO BE A MINIMUM OF 8" (200mm) ABOVE FINISH GRADE.

ROOFING

- ALL ROOFING SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS AND CONFORM TO ONTARIO BUILDING CODE.
- TWO LAYERS OF FELT PAPER SHALL BE INSTALLED ON EAVES EXTENDING 30" (750mm) ON ROOF FROM THE INNER FACE OF THE EXTERIOR WALL.
- FELT PAPER SHALL BE INSTALLED UNDER ROOF VALLEY EXTENDING 48" ON BOTH SIDES ON JOINING ROOF.

06-09-20 FOR
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SHEET TITLE:
FRONT & RIGHT ELEVATION

#2	ISSUED TO CLIENT FOR BUILDING PERMIT	June 9, 2020
#1		

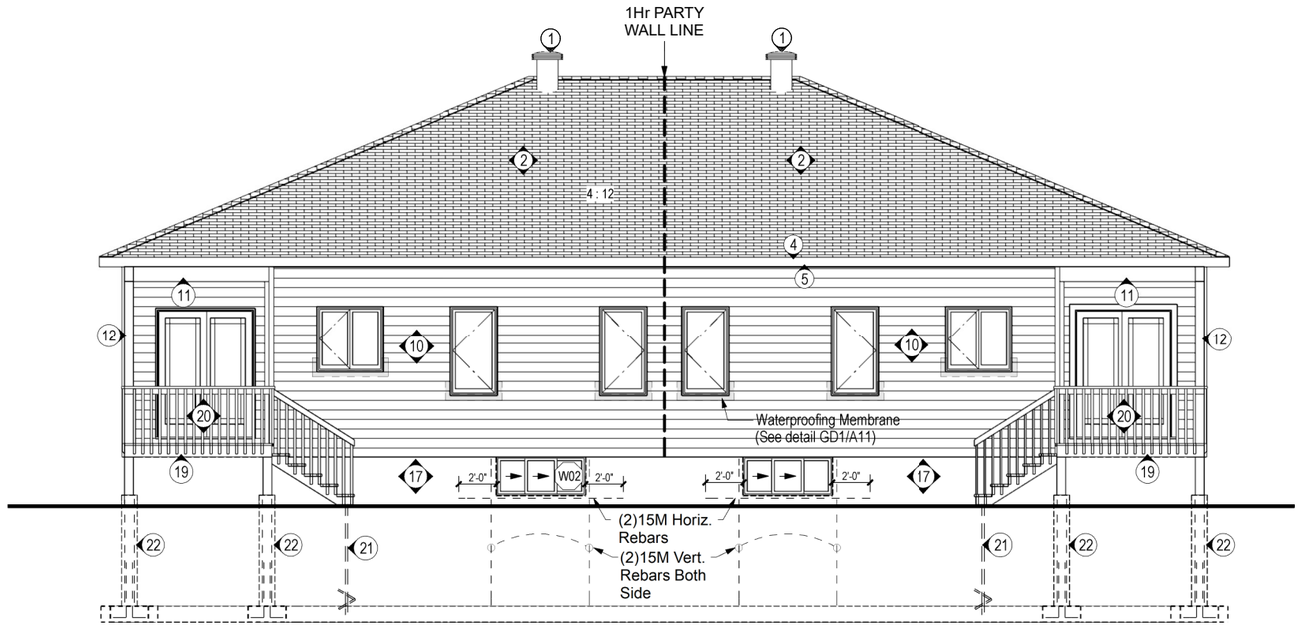
PROJECT:
PROPOSED SEMI-DETACHED
for
Carl Vincent

DRAWN BY:
ALAIN LAVOIE

DATE:
June 2020

FILE:
20-11

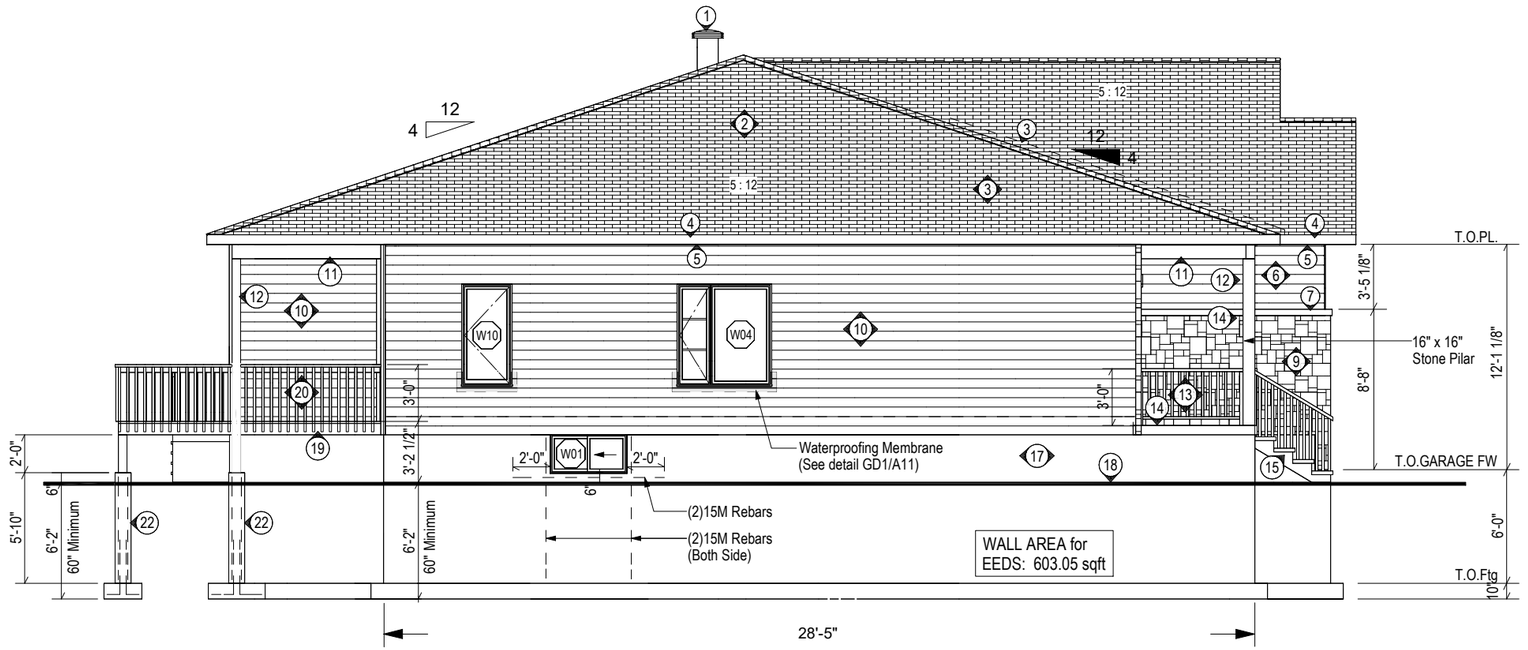
A6
of 13
PRINTED: 6/9/2020



REAR ELEVATION

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

WALL AREA for
EEDS: 717.34 sqft



LEFT ELEVATION

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

9.10.15. SPATIAL SEPARATION BETWEEN HOUSES

EXPOSING BUILDING FACE:	520.58 sqft	48.36 sqm
FRAME OPENING AREA:	XX.XX sqft	
ESTIMATED GLAZED OPENING AREA:	34.60 sqft	3.21 sqm
% of UNPROTECTED OPENING: (34.6 div. by 520.58 x 100) = 6.65%		
THEREFORE MINIMUM LIMITING DISTANCE:	3'-11"	

MATERIAL LEGEND:

1 > MAXIMUM VENT
2 > ASPHALT SHINGLES 25yrs MIN.
3 > PRE-PAINTED GALV. FLASHING
4 > ALUM. FASCIA ON 2x6
5 > ALUM. VENTED SOFFIT
6 > MAYBEC HORIZ. SIDING
7 > DECORATIVE STONE LINTEL
8 > DECORATIVE STONE SILL
9 > STONE c/w WEEPHOLES @ 24"c/c at SILL
10 > HORIZONTAL VINYL SIDING
11 > TIMBER BEAM (Stained)
12 > 8x8 TIMBER POST (Stained)
13 > 36"H. PREFAB ALUM. RAILING TO MEET O.B.C.
14 > STRUCTURAL PORCH SLAB (BROOM FINISH)
15 > REINFORCED CONCRETE STEPS (BROOM FINISH)
16 > 1" SLAB SLOPE AT OVER HEAD DOOR
17 > SAND FINISH PARGING
18 > FINISH GRADE 2%min. SLOPE AWAY FROM HOUSE
19 > 2x8 P/T DECK WITH 5/4 PT DECKING.
20 > 36"H. P/T RAILING
21 > HELICAL PILE (Each Stringer) TO SUPPORT END OF STAIR
22 > 10" x 10" REINF'D CONC. PILAR (See Foundation Plan)

IMPORTANT NOTES:

MISCELLANEOUS

- CAULK OVER AND AROUND ALL EXTERIOR OPENINGS USING NON-HARDENING CAULKINGCOMPOUND.
- FLASH ALL CHANGES OF MATERIALS ON EXTERIOR WALLS.
- ALL SIDING TO BE A MINIMUM OF 8" (200mm) ABOVE FINISH GRADE.

ROOFING

- ALL ROOFING SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS AND CONFORM TO ONTARIO BUILDING CODE.
- TWO LAYERS OF FELT PAPER SHALL BE INSTALLED ON EAVES EXTENDING 30" (750mm) ON ROOF FROM THE INNER FACE OF THE EXTERIOR WALL.
- FELT PAPER SHALL BE INSTALLED UNDER ROOF VALLEY EXTENDING 48" ON BOTH SIDES ON JOINING ROOF.

LICENSED PROFESSIONAL ENGINEER
Y. PARTHENAIS
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06-09-20 FOR
STRUCTURAL REVIEW

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alavoie64@yahoo.com

SHEET TITLE:
REAR & LEFT ELEVATION

#	ISSUED TO CLIENT FOR BUILDING PERMIT	June 9, 2020
#1		
#2		

PROJECT:
PROPOSED SEMI-DETACHED
for
Carl Vincent

DRAWN BY:
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DATE:
June 2020

FILE:
20-11

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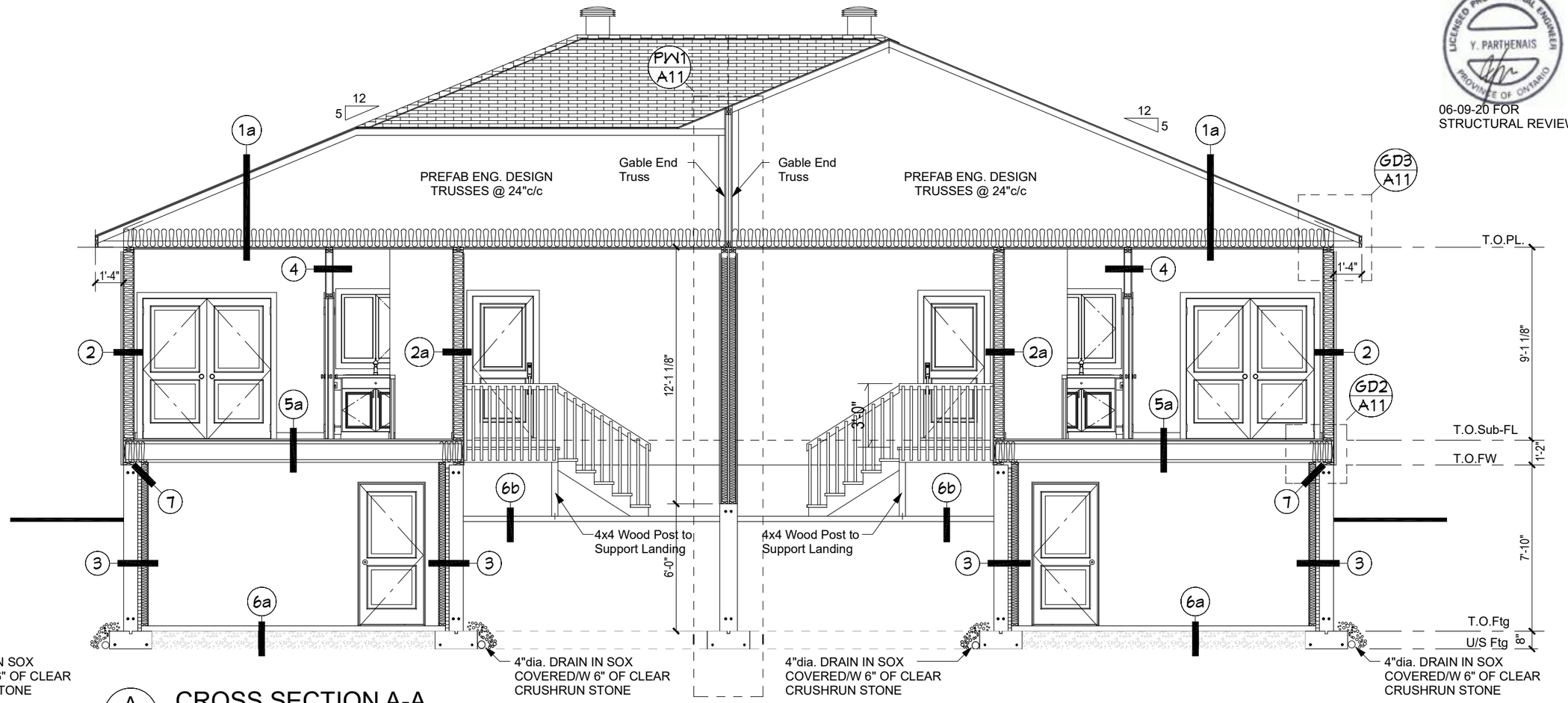
of 13
PRINTED: 6/9/2020



A
A8

CROSS SECTION A-A

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

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SHEET TITLE:
CROSS SECTION A-A

#	ISSUED TO CLIENT FOR BUILDING PERMIT	June 9, 2020
#1		
#2		

PROJECT:
PROPOSED SEMI-DETACHED
for
Carl Vincent

DRAWN BY:
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DATE:
June 2020

FILE:
20-11

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of 13
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ASSEMBLIES to meet E.E.D.S. - Zone 1 - Package A1

1a ROOF (HOUSE) R60
WITH ATTIC SPACE
- 25yrs (MIN.) ASPHALT SHINGLES
- FELT PAPER ON EAVES
- 7/16" OSB (ASPENITE) C/W "H" CLIPS
- PREFAB ENG. DESIGN TRUSSES @ 24"c/c
- R60 BLOWN INSULATION
- 6MIL VAPOUR BARRIER #CGSB 51.34M
- 1x4 STRAPPING @ 16"c/c
- 1/2" DRYWALL

1b ROOF (HOUSE)
VERENDHA
- 25yrs (MIN.) ASPHALT SHINGLES
- FELT PAPER ON EAVES
- 7/16" ASPENITE C/W "H" CLIPS
- PREFAB ENG. DESIGN TRUSSES @ 24"c/c
- 1x4 STRAPPING @ 16"c/c
- ALUM. VENTED SOFFIT

2 EXT. WALL (HOUSE) R22
(RESIDENCE & GARAGE)
- VINYL SIDING, MAYBEC
OR
- 4" STONE C/W 1" AIR SPACE
- TYVEK AIR BARRIER
- 7/16" ASPENITE
- 2x6 STUDS @ 16"c/c
- R22 BATT INSULATION
- 6 MIL VAPOUR BARRIER #CGSB 51.34M
- 1/2" DRYWALL

2a WALL BETWEEN
(RESIDENCE & GARAGE) R22
- 1/2" DRYWALL (GARAGE)
- 2x6 STUDS @ 16"c/c
- R22 BATT INSULATION
- 6MIL VAPOUR BARRIER #CGSB 51.34M
- 1/2" DRYWALL (HOUSE)

3 FOUNDATION WALL
- SAND FINISH PARGING ABOVE GRADE
- DAMPROOFING BELOW GRADE (SEE DETAIL on A2)
- POURED CONC. FOUNDATION WALL
- R10 RIGID INSULATION
- 2x4 STUDS @ 24"c/c FILLED/W R12 BATT INSULATION
- 6MIL VAP. BARRIER #CGSB 51.34M
- 1/2" DRYWALL

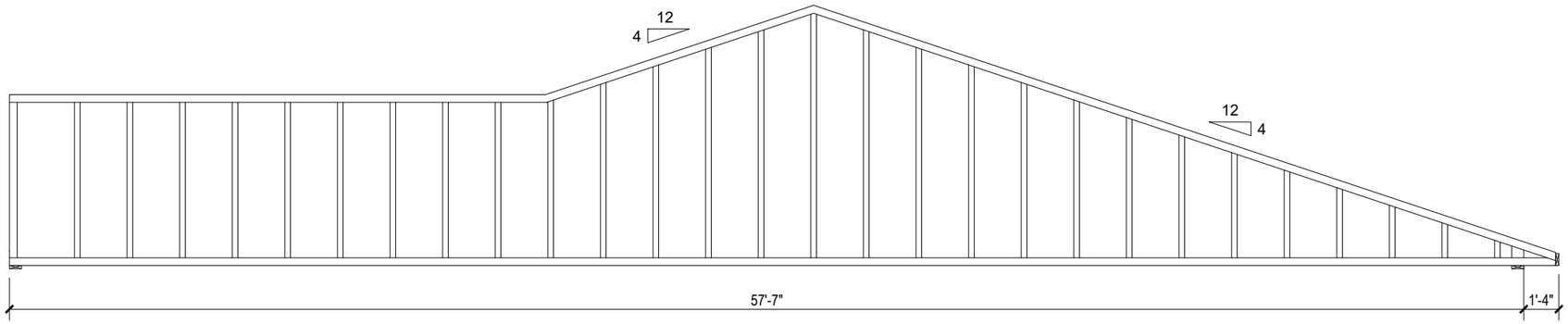
4 INTERIOR WALL
- 1/2" DRYWALL
- 2x4 STUDS @ 16"c/c (2x6 OR 2x8 MECH. WALL)
- 1/2" DRYWALL

5a FLOOR ASSEMBLY (GF)
- FLOOR FINISH (SEE CLIENT)
- 5/8" UNDERLAY WHERE CERAMIC
- 5/8" T&G ASPENITE
- WOOD "I" 11 7/8"h (SEE MANUF. PLAN)
- 1x4 STRAPPING @ 16"c/c (OPT.)

6a BASEMENT FLOOR
- 3" CONC. SLAB (25MPa)
- 6MIL VAP. BAR. #CGSB 51.36M
- 10" OF 7/8" MINUS MATERIAL

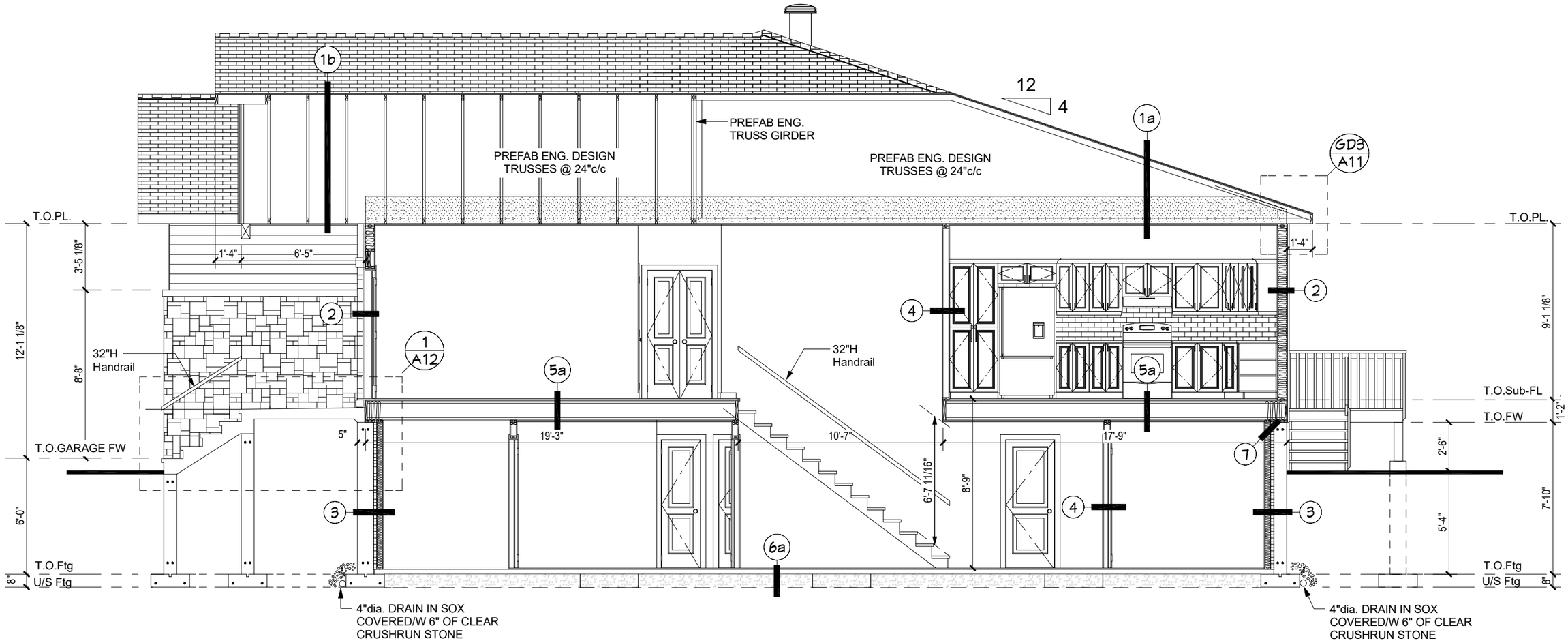
6b GARAGE FLOOR
- 4" CONC. SLAB (32 Mpa) C/W 5 TO 8% AIR ENTRAINED
- 6MIL VAP. BAR. #CGSB 51.36M
- 6" OF 7/8" MINUS MATERIAL
- SAND BACKFILLED COMPACTED TO 95% MODIFIED PROCTOR (See Note)

7 SILL PLATE
- 2x6 SILL PLATE ON FOAM GASKET
- 1/2"Ø ANCHOR BOLTS @ 72"c/c
- WEEPHOLES @ 24"c/c C/W FLASHING IF STONE OR BRICK



G1 - GABLE END TYPE TRUSS ON PARTY WALL

SCALE: 3/16"=1'-0" QUANTITY: 2



B
A9

CROSS SECTION B-B

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

06-09-20 FOR
STRUCTURAL REVIEW

LICENSED PROFESSIONAL ENGINEER
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SHEET TITLE:
CROSS SECTION B-B

#	ISSUED TO CLIENT FOR BUILDING PERMIT	June 9, 2020
#2		

PROJECT:
PROPOSED SEMI-DETACHED
for
Carl Vincent

DRAWN BY:
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DATE:
June 2020

FILE:
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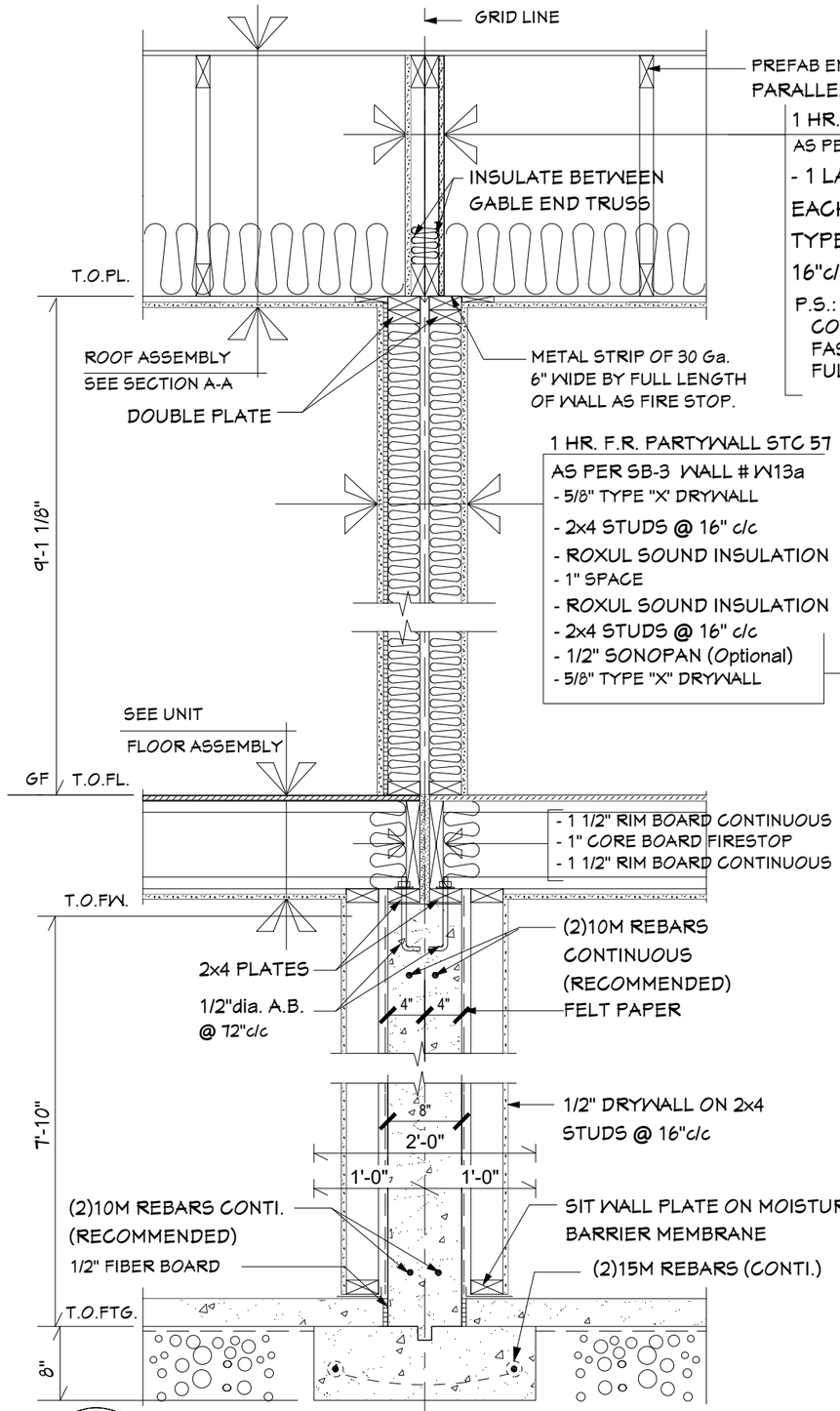
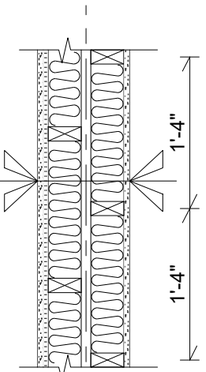
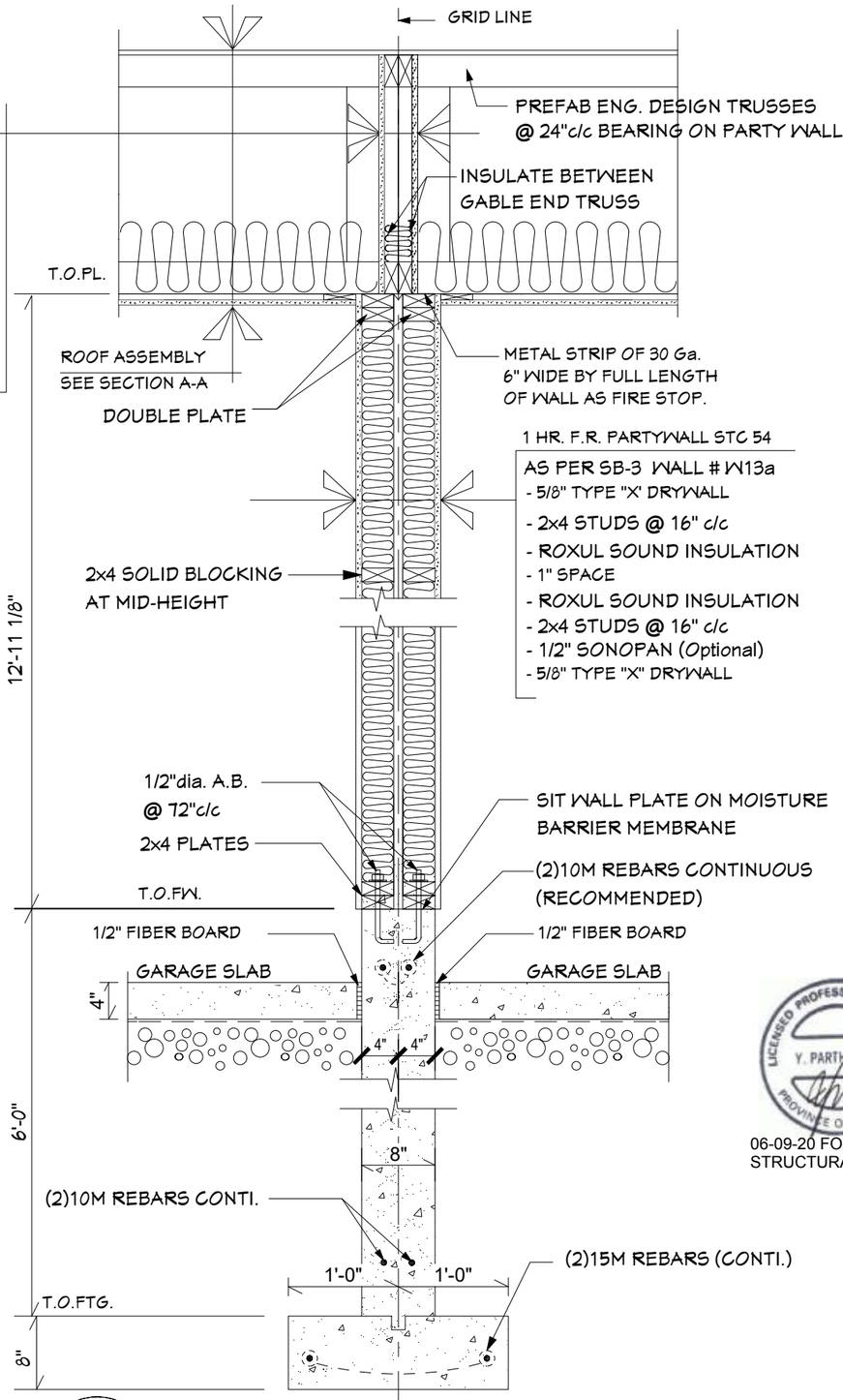
of 13
PRINTED: 6/9/2020





PARTY WALL
PLAN VIEW



PW1 / A10 — PARTY WALL BETW'N HOUSE UNITS
1 Hr. FIRE RATED
SCALE: 3/4"=1'-0"

PW2 / A10 — PARTY WALL BETW'N GARAGE UNITS
1 Hr. FIRE RATED
SCALE: 3/4"=1'-0"

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SHEET TITLE: PARTY WALL SECTIONS

#	ISSUED TO CLIENT FOR BUILDING PERMIT	June 9, 2020
#2		

PROJECT: PROPOSED SEMI-DETACHED for Carl Vincent

DRAWN BY: ALAIN LAVOIE

DATE: June 2020

FILE: 20-11

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of 13
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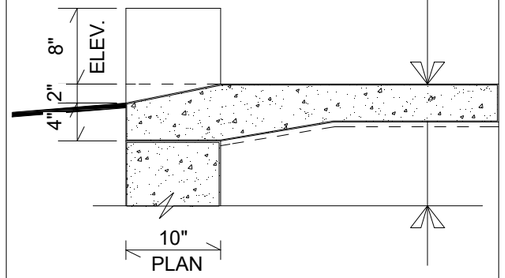
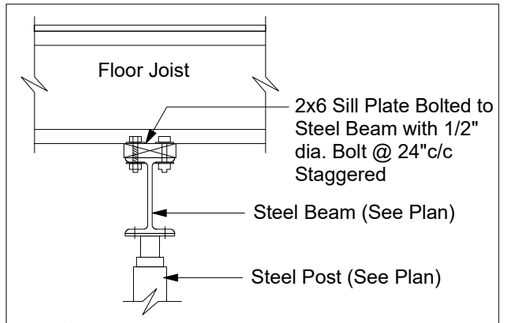
GARAGE FLOOR

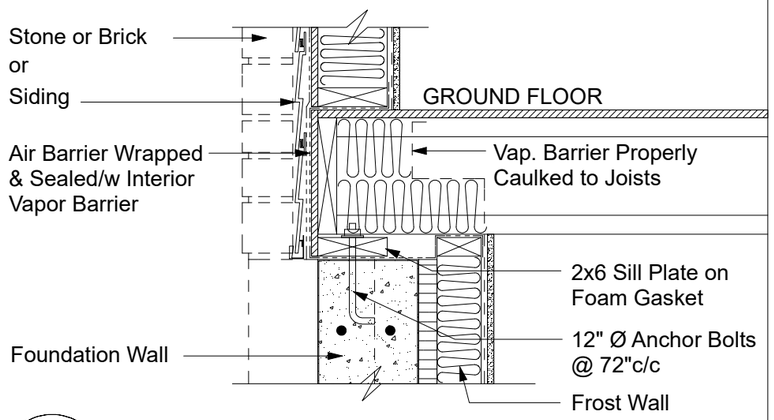
- 4" CONC. FLOOR OF 32 Mpa C/W 5 to 8% AIR ENTRAINED
- 6 MIL VAPOR BARRIER #CGSB 51.34M
- SAND BACKFILL COMPACTED



1 A11 **GARAGE FLOOR & SLOPE AT O.H.D.**
SCALE: 3/4"=1'-0"



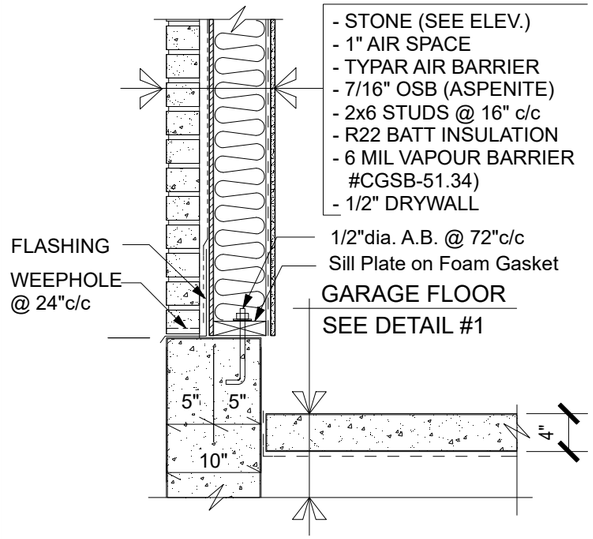
3 A11 **BASEMENT BEAM DETAIL** SCALE: 3/4"=1'-0"



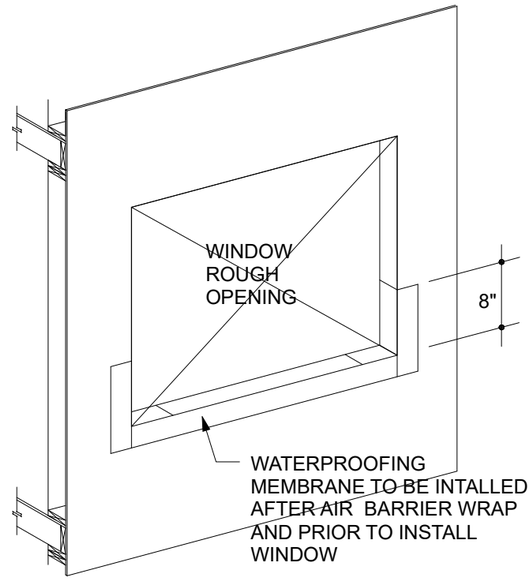
GD2 A11 **TYP. FLOOR ANCHORAGE & AIR BARRIER WRAP** SCALE: 1"=1'-0"

EXTERIOR WALL

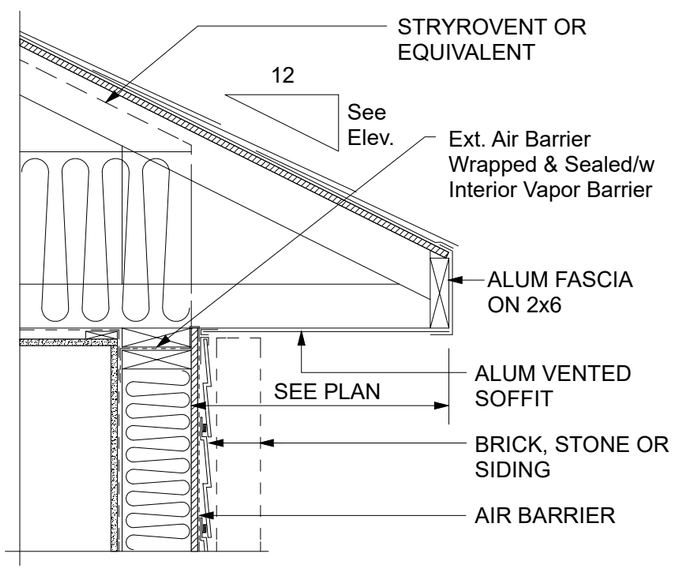
- STONE (SEE ELEV.)
- 1" AIR SPACE
- TYPAR AIR BARRIER
- 7/16" OSB (ASPENITE)
- 2x6 STUDS @ 16" c/c
- R22 BATT INSULATION
- 6 MIL VAPOUR BARRIER #CGSB-51.34)
- 1/2" DRYWALL



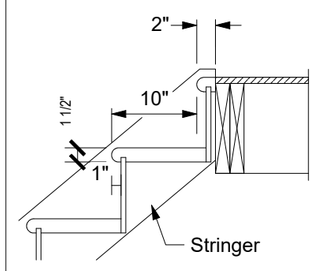
2 A11 **GARAGE EXT. WALL**
SCALE: 3/4"=1'-0"



GD1 A11 **WINDOW SILL DAMPROOFING**



GD3 A11 **TYPICAL ROOF OVERHANG WITH AIR & VAP. BARRIER WRAP at Top Plate**
SCALE: 1"=1'-0"



NOTE:
Stair Dimension Width Shown on Plans are Always Outside to Outside of Stringer, NOT to be Mistaken witH Staircase Opening Dimensions that are from LVL to LVL that will have "OPENING" attached with Dimension.

S1 A11 **TYPICAL STAIR DETAIL**
SCALE: 3/4"=1'-0"

06-09-20 FOR STRUCTURAL REVIEW

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SHEET TITLE: CONSTRUCTION DETAILS

#	ISSUED TO CLIENT FOR BUILDING PERMIT	June 9, 2020
#2		

PROJECT: PROPOSED SEMI-DETACHED for Carl Vincent

DRAWN BY: ALAIN LAVOIE

DATE: June 2020

FILE: 20-11

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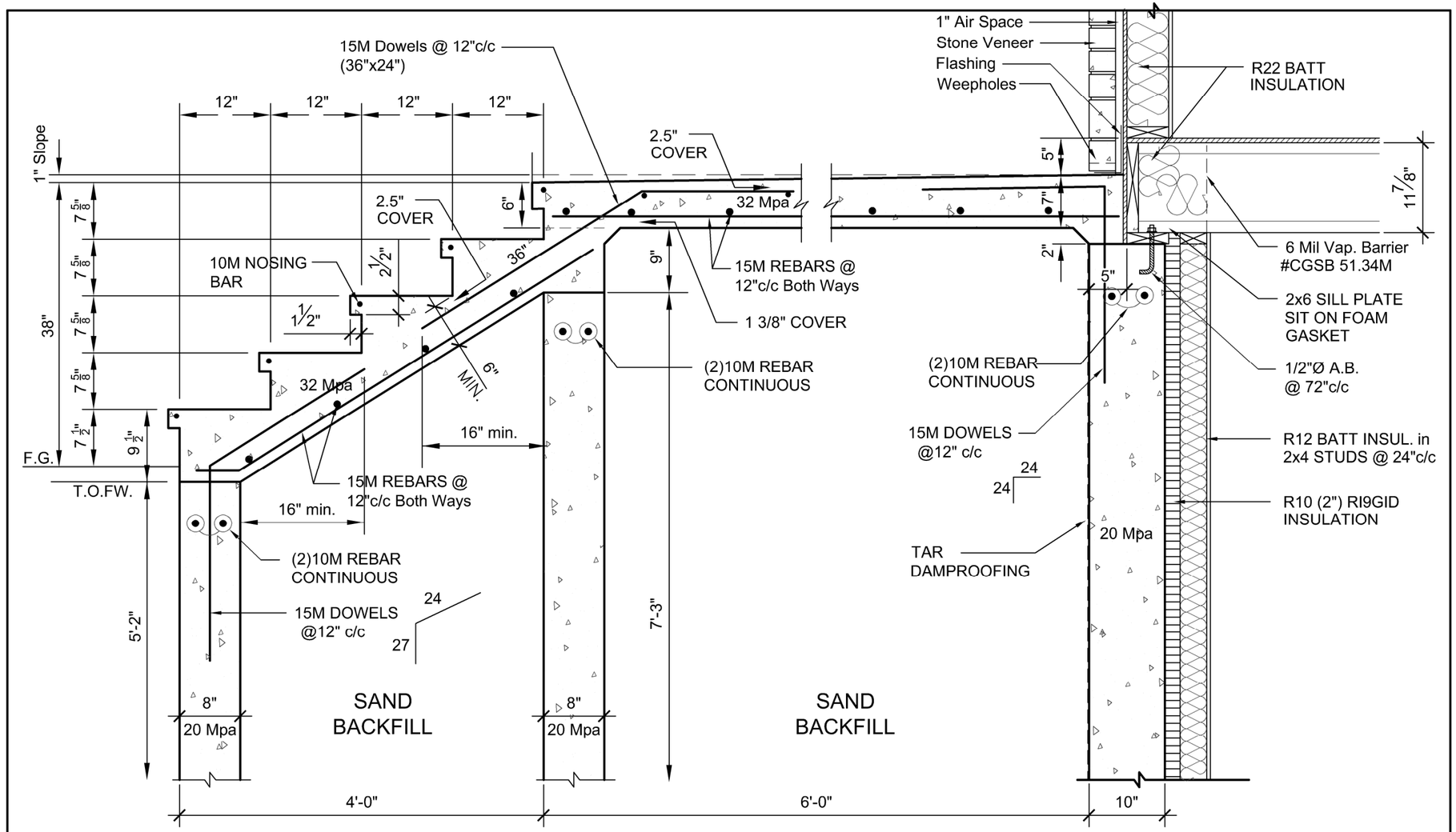
of 13
PRINTED: 6/9/2020



1
A12

STRUCTURAL SLAB DETAIL

SCALE: 3/4"=1'-0"

LICENSED PROFESSIONAL ENGINEER
Y. PARTHENAIS
PROVINCE OF ONTARIO

06-09-20 FOR
STRUCTURAL REVIEW

ALAIN LAVOIE
ARCHITECTURE
FIRM BCIN : 29347
INDIV. BCIN: 24109
TEL.: (613) 764-3685
EMAIL: alavoie64@yahoo.com
CASSELMAN ON.

DRAWING: CONSTRUCTION DETAILS

#3		
#2		
#1	ISSUED TO CLIENT FOR BUILDING PERMIT	June 9, 2020

PROJET: PROPOSED SEMI-DETACHED for CARL VINCENT

DESIGN: ALAIN LAVOIE

DATE: June 2020

FILE: 20-11

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of 13

UNIT "A"

Energy Efficiency Design Summary: Prescriptive Method

(Building Code Part 9, Residential)

This form is used by a designer to demonstrate that the energy efficiency design of a house complies with the building code using the prescriptive method described in Subsection 3.1.1. of SB-12. This form is applicable where the ratio of gross area of windows/sidelights/skylights/glazing in doors and sliding glass doors to the gross area of peripheral walls is not more than 22%.

For use by Principal Authority	
Application No:	Model/Certification Number

A. Project Information

Building number, street name		Unit number	Lot/Con
750-752 Mary Street , Wendover Ontario			
Municipality	**Postal code**	**Reg. Plan number / other description**	
Alfred & Plantagenet	K0B 1L0		

B. Prescriptive Compliance [indicate the building code compliance package being employed in this house design]

SB-12 Prescriptive (input design package): Package: A1 Table: 3.1.1.2.A (IP)

C. Project Design Conditions

Climatic Zone (SB-1):	Heating Equipment Efficiency	Space Heating Fuel Source		
☒ Zone 1 (< 5000 degree days)	☒ ≥ 92% AFUE	☒ Gas	□ Propane	□ Solid Fuel
□ Zone 2 (≥ 5000 degree days)	□ ≥ 84% < 92% AFUE	□ Oil	□ Electric	□ Earth Energy

Ratio of Windows, Skylights & Glass (W, S & G) to Wall Area		Other Building Characteristics
Area of walls = _____m2 or 1402.53 ft2	W, S & G % = 11.33 %	□ Log/Post&Beam □ ICF Above Grade □ ICF Basement
Area of W, S & G = _____m2 or 158.96 ft2	Utilize window averaging: □Yes ☒No	□ Slab-on-ground □ Walkout Basement □ Air Conditioning □ Combo Unit □ Air Sourced Heat Pump (ASHP) □ Ground Sourced Heat Pump (GSHP)

D. Building Specifications [provide values and ratings of the energy efficiency components proposed]

Energy Efficiency Substitutions

□ ICF (3.1.1.2.(5) & (6) / 3.1.1.3.(5) & (6))

□ Combined space heating and domestic water heating systems (3.1.1.2.(7) / 3.1.1.3.(7))

□ Airtightness substitution(s)

Airtightness test required (Refer to Design Guide Attached)

□ Table 3.1.1.4.B Required: _____ Permitted Substitution: _____

□ Table 3.1.1.4.C Required: _____ Permitted Substitution: _____

Required: _____ Permitted Substitution: _____

Building Component	Minimum RSI / R values or Maximum U-Value(1)		Building Component	Efficiency Ratings	
Thermal Insulation	Nominal Effective Windows &		Doors Provide U-Value(1) or ER rating		
Ceiling with Attic Space	R60		Windows/Sliding Glass Doors	Max. U = 0.28 (1.6 Si)	
Ceiling without Attic Space	R31		Skylights/Glazed Roofs	N/A	
Exposed Floor	N/A		**Mechanicals**		
Walls Above Grade	R22		Heating Equip.(AFUE)	96%	
Basement Walls	R12+10ci	= R20ci	HRV Efficiency (SRE% at 0o C)	75%	
Slab (all >600mm below grade)	---		DHW Heater (EF)	Min. EF = 0.8	
Slab (edge only ≤600mm below grade)	---		DWHR (CSA B55.1 (min. 42% efficiency))	42%	# Showers 1
Slab (all ≤600mm below grade, or heated)	---		Combined Heating System	NO	

(1) U value to be provided in either W/(m2 ● K) or Btu/(h●ft2 ●F) but not both.

E. Designer(s) [name(s) & BCIN(s), if applicable, of person(s) providing information herein to substantiate that design meets the building code]

Qualified Designer Declaration of designer to have reviewed and take responsibility for the design work.

Name	BCIN	Signature
ALAIN LAVOIE	24109	

Form authorized by OHBA, OBOA, LMCBO. Revised December 1, 2016.

UNIT "B"

Energy Efficiency Design Summary: Prescriptive Method

(Building Code Part 9, Residential)

This form is used by a designer to demonstrate that the energy efficiency design of a house complies with the building code using the prescriptive method described in Subsection 3.1.1. of SB-12. This form is applicable where the ratio of gross area of windows/sidelights/skylights/glazing in doors and sliding glass doors to the gross area of peripheral walls is not more than 22%.

For use by Principal Authority	
Application No:	Model/Certification Number

A. Project Information

Building number, street name		Unit number	Lot/Con
750-752 Mary Street , Wendover Ontario			
Municipality	**Postal code**	**Reg. Plan number / other description**	
Alfred & Plantagenet	K0B 1L0		

B. Prescriptive Compliance [indicate the building code compliance package being employed in this house design]

SB-12 Prescriptive (input design package): Package: A1 Table: 3.1.1.2.A (IP)

C. Project Design Conditions

Climatic Zone (SB-1):	Heating Equipment Efficiency	Space Heating Fuel Source		
☒ Zone 1 (< 5000 degree days)	☒ ≥ 92% AFUE	☒ Gas	□ Propane	□ Solid Fuel
□ Zone 2 (≥ 5000 degree days)	□ ≥ 84% < 92% AFUE	□ Oil	□ Electric	□ Earth Energy

Ratio of Windows, Skylights & Glass (W, S & G) to Wall Area		Other Building Characteristics
Area of walls = _____m2 or 1402.53 ft2	W, S & G % = 11.33 %	□ Log/Post&Beam □ ICF Above Grade □ ICF Basement
Area of W, S & G = _____m2 or 158.96 ft2	Utilize window averaging: □Yes ☒No	□ Slab-on-ground □ Walkout Basement □ Air Conditioning □ Combo Unit □ Air Sourced Heat Pump (ASHP) □ Ground Sourced Heat Pump (GSHP)

D. Building Specifications [provide values and ratings of the energy efficiency components proposed]

Energy Efficiency Substitutions

□ ICF (3.1.1.2.(5) & (6) / 3.1.1.3.(5) & (6))

□ Combined space heating and domestic water heating systems (3.1.1.2.(7) / 3.1.1.3.(7))

□ Airtightness substitution(s)

Airtightness test required (Refer to Design Guide Attached)

□ Table 3.1.1.4.B Required: _____ Permitted Substitution: _____

□ Table 3.1.1.4.C Required: _____ Permitted Substitution: _____

Required: _____ Permitted Substitution: _____

Building Component	Minimum RSI / R values or Maximum U-Value(1)		Building Component	Efficiency Ratings	
Thermal Insulation	Nominal Effective Windows &		Doors Provide U-Value(1) or ER rating		
Ceiling with Attic Space	R60		Windows/Sliding Glass Doors	Max. U = 0.28 (1.6 Si)	
Ceiling without Attic Space	R31		Skylights/Glazed Roofs	N/A	
Exposed Floor	N/A		**Mechanicals**		
Walls Above Grade	R22		Heating Equip.(AFUE)	96%	
Basement Walls	R12+10ci	= R20ci	HRV Efficiency (SRE% at 0o C)	75%	
Slab (all >600mm below grade)	---		DHW Heater (EF)	Min. EF = 0.8	
Slab (edge only ≤600mm below grade)	---		DWHR (CSA B55.1 (min. 42% efficiency))	42%	# Showers 1
Slab (all ≤600mm below grade, or heated)	---		Combined Heating System	NO	

(1) U value to be provided in either W/(m2 ● K) or Btu/(h●ft2 ●F) but not both.

E. Designer(s) [name(s) & BCIN(s), if applicable, of person(s) providing information herein to substantiate that design meets the building code]

Qualified Designer Declaration of designer to have reviewed and take responsibility for the design work.

Name	BCIN	Signature
ALAIN LAVOIE	24109	

Form authorized by OHBA, OBOA, LMCBO. Revised December 1, 2016.

ALAIN LAVOIE — ARCHITECTURE
FIRM BCIN : 29347
INDIV. BCIN: 24109
TEL.: (613) 764-3685
EMAIL: alavoie64@yahoo.com
CASSELMAN ON.

DRAWING: SCHEDULE 1 & E.E.D.S. FORMS

#	ISSUED TO CLIENT FOR BUILDING PERMIT	June 9, 2020
#1		
#2		
#3		

PROJET: PROPOSED SEMI-DETACHED for CARL VINCENT

DESIGN: ALAIN LAVOIE

DATE: June 2020

FILE: 20-11

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