Item:



Council Report

DATE: Wednesday, May 23, 2018 WARD(S): 2

TITLE: NEW CONSTRUCTION – DETACHED GARAGE 50 CLARENCE STREET, WOODBRIDGE HERITAGE CONSERVATION DISTRICT

FROM:

Todd Coles, City Clerk

ACTION: DECISION

Purpose

To forward a recommendation from the Heritage Vaughan Committee regarding the proposed construction of a detached garage located at 50 Clarence Street, a property located in the Woodbridge Heritage Conservation District "WHCD" and designated under Part V of the *Ontario Heritage Act.*

Report Highlights

- The Owner is proposing a detached garage to be located at 50 Clarence Street.
- The proposal is consistent with the relevant policies of the Woodbridge Heritage Conservation District Plan ("WHCD Plan").
- Heritage Vaughan review and Council approval is required under the *Ontario Heritage Act*.
- Staff is recommending approval of the proposal as it conforms with the policies of the Woodbridge Heritage Conservation District Plan ("WHCD Plan").

Recommendations

The City Clerk, on behalf of the Heritage Vaughan Committee, forwards the following recommendation from its meeting of May 16, 2018 (Item 1, Report No. 2) for Council's consideration:

- 1) That the following recommendation contained in the report of the Deputy City Manager, Planning and Growth Management, dated May 16, 2018, be approved and the applicant submit Building Permit stage architectural drawings and building material specifications to the satisfaction of the Vaughan Development Planning Department, Urban Design and Cultural Heritage Division:
 - 1. THAT Heritage Vaughan recommend approval to Council for the proposed detached garage at 50 Clarence Street under Section 42 of *Ontario Heritage Act*, subject to the following conditions:
 - a) Any significant changes to the proposal by the Owner may require reconsideration by the Heritage Vaughan Committee, which shall be determined at the discretion of the Director of Development Planning and Manager of Urban Design and Cultural Heritage;
 - b) That Heritage Vaughan Committee recommendations to Council do not constitute specific support for any Development Application under the *Ontario Planning Act* or permits or requirements currently under review or to be submitted in the future by the Owner as it relates to the subject application.

Background

The subject property is municipally known as 50 Clarence Street and is located on the southwest corner of Rosebury Lane and Clarence Street, as shown on Attachment #1. The subject property is noted as a "Contributing" property within the WHCD Plan. The existing one-storey building is identified as a "1940's cottage" in the WHCD Plan Inventory, and is further noted as being *"heavily modified, new additions and windows"*.

Previous Reports/Authority

Not applicable.

Analysis and Options

Proposed Alterations

The proposal is for a new detached garage located in the rear/side yard of 50 Clarence Street. The garage will be accessed from the existing paved driveway off Rosebury Lane. The main elevation of the garage would face Rosebury Lane and be set back 4.64 m from the property line. The garage will be set back 10.3 m from the existing house and is 3.71 m in height with a gable roof and wood paneled garage doors. The exterior finish is brick veneer and pre-cast corner quoins to match the existing dwelling. The roof material is asphalt shingles.

Minor Variances

The applicant has confirmed with the Zoning Department that no variances will be required for this proposal.

Clarence Street and Park Drive Character Area

The subject property is located within the Clarence Street and Park Drive Character Area of the WHCD. The following is an analysis of the applicable WHCD policies:

5.3.2.5. Circulation, vehicular access and parking

"On-site parking, garages, and parking structures are generally concealed behind or below inhabited buildings."

• The proposed garage will be located behind the existing contributing building that fronts onto Clarence Street. The garage will be visible from Rosebury Lane, however this property is located on the border of the WHCD boundary, and other properties on Rosebury Lane are not included in the WHCD boundary.

6.1.5 Clarence Street and Park Drive Heritage Attributes – Guidelines:

"1. The Street should retain the existing residential character with a single family detached building type and be designed to support a pedestrian streetscape."

 The proposed garage will not impact the existing residential character, as the existing single family detached building type will remain and the detached garage will appear as a separate, secondary outbuilding. The proposed garage will be 3.71m in height, which will not impact the existing dweling which is approximately 4.5m in height.

Section 6.2.8 Appropriate Materials

"Doors: Wood doors and frames, panel construction, may be glazed; transom windows and paired sidelights with real glazing bars; wood french doors for porch entrances; single-bay, wood panelled garage doors."

• The proposed single-bay insulated steel garage doors will mimic the appearance of wood doors, as shown on the material sample in Attachment #6.

Section 6.6.3 – Tree Canopy and Vegetation – Guidelines:

"3. Trees on public and private property, having a tree diameter of twenty (20) centimetres or more or having a base diameter of twenty (20) centimetres or more, must be conserved, and the requirements of the City of Vaughan Tree Bylaw 185-2007 must be adhered to."

• The applicant has confirmed that the existing trees on the property will not be removed.

Based on the above analysis, the proposed detached garage is in conformity with the policies of the WHCD Plan. Timeline

This application is subject to the 90 day review under the *Ontario Heritage Act*. This application was declared complete on March 6, 2018, and must be deliberated upon by June 4, 2018, to meet the 90 day timeline.

Financial Impact

There are no requirements for new funding associated with this report.

Broader Regional Impacts/Considerations

There are no broader Regional impacts or considerations.

Conclusion

The Urban Design and Cultural Heritage Division has reviewed the application to permit a new garage on the property municipally known as 50 Clarence Street and is satisfied that the proposed garage is consistent with the Woodbridge Heritage Conservation District Plan. Accordingly, the Urban Design and Cultural Heritage Division of the Development Planning Department can support the approval of the proposed alteration under Section 42 of the *Ontario Heritage Act*.

For more information, please contact: Shelby Blundell, Cultural Heritage Coordinator, ext. 8813

Attachments

- 1. Location Map
- 2. Subject Property
- 3. Site Photos
- 4. Site Plan, RN Design Ltd., March 5, 2018
- 5. Elevations, RN Design Ltd., March 5, 2018
- 6. Metal Garage Door Material Sample, provided by RN Design Ltd.

Prepared by

Shelby Blundell, Cultural Heritage Coordinator, ext. 8813

Location Map



Subject Property



Approximate Location of Proposed Garage



Subject Property from Clarence Street



Existing Driveway – Location of Proposed Garage

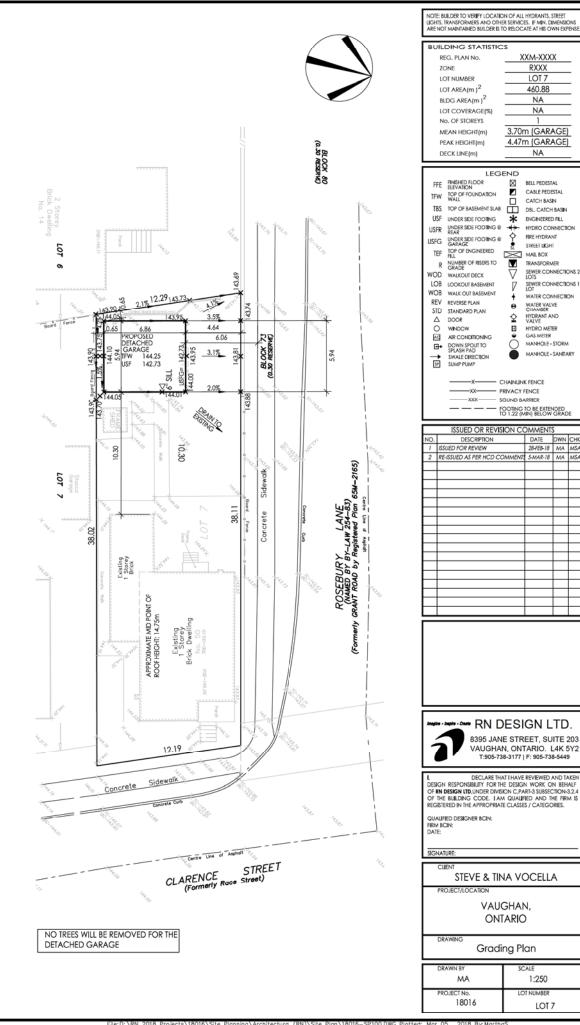


Existing Fenced Backyard



Existing Fenced Backyard

DWN





Drawing List:

- A0 TITLE SHEET
- A1 FOUNDATION PLAN ELEV 'A' GROUND FLOOR ELEV 'A'
- A2 REAR ELEVATION 'A' FRONT ELEVATION 'A' ROOF PLAN ELEV 'A'
- A3 LEFT SIDE ELEVATION 'A' RIGHT SIDE ELEVATION 'A'
- D1 CONSTRUCTION NOTES
- D2 CONSTRUCTION NOTES
- D3 CONSTRUCTION NOTES

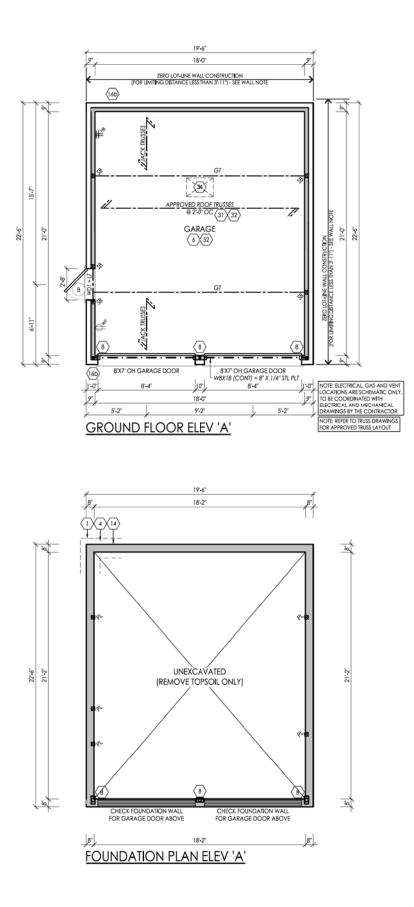
Areas:

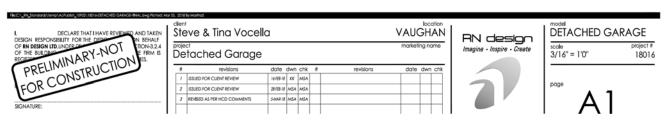
	ELEVATION 'A'		
	SF	SM	
GARAGE COVERAGE	438.8	40.76	

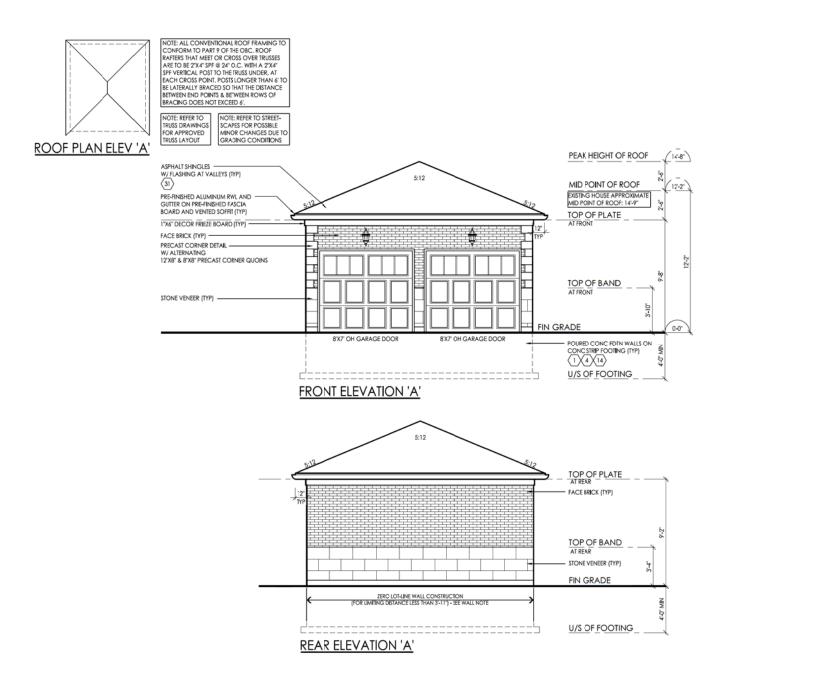
Steve & Tina Vocella

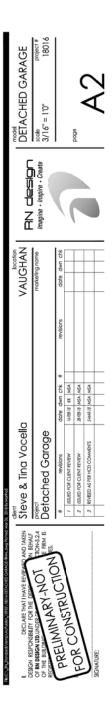
Detached Garage

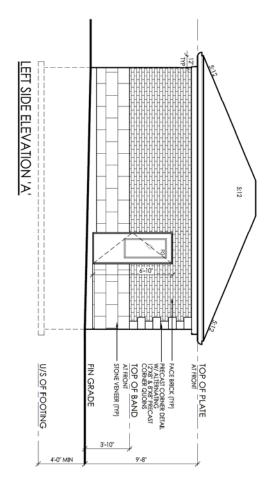
L DECLARE THAT I HAVE REVIEWED AND TAKEN DESIGN RESPONSIBILITY FOR THE DESIGN	Steve & Tina Vocella							VAU		HAN	RN desion		ARAGE
OF RN DESIGN LTD.UNDER DI	proje De	etached Garage						market	ting r	name	Imagine + Inspire + Create	scale 3/16" = 1'0"	project # 18016
PRELIMINART FOR CONSTRUCTION	#	revisions ISSUED FOR CLIENT REVIEW	date	KK	MS	A	# revisions	date	dw	vn chk		page	
SIGNATURE:	2	ISSUED FOR CLIENT REVIEW REVISED AS PER HCD COMMENTS	28-FEB-18 5-MAR-18	-	-	+		_	F			A C)

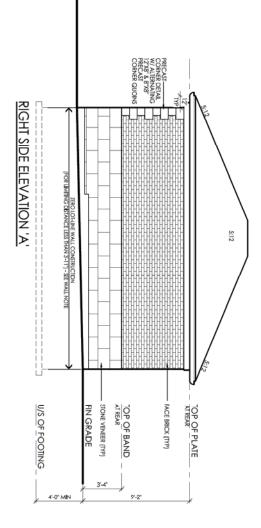












ReC1_RI_Standards/Jempl/AcPublic_1092118016-DEFACHED GARAGE-RNALdwg Parted: M			Les elles		
L DECLARE THAT I HAVE REVIEWED AND TAKEN DESIGN RESPONSIBILITY FOR THE DESIGN OF METALF	Steve & Tina Vocel	la	VAUGHAN	RN desion	
OF RN DESIGN LTD, UNDER DA	Detached Garage		marketing name	Imagine • Inspire • Create	scole project # 3/16" = 1'0" 18016
PRELIMINART-TOTION	# revisions 1 ISSUED FOR CLIENT REVIEW	date dwn chk # 16-FEB-18 KK MSA	revisions date dwn chk		
	2 ISSUED FOR CLIENT REVIEW 3 REVISED AS PER HCD COMMENTS	28FEB-18 MSA MSA 5-MAR-18 MSA MSA			× 2
SIGNATURE:					

COMPLIANCE PACKAGE A1 - OBC 2012 - 2017 ENACTMENT

(UNLESS OTHERWISE NOTED) -ALL CONSTRUCTION TO CONFORM TO THE ONTARIO BUILDING CODE (O.B.C.) AND ALL OTHER CODES AND LOCAL AUTHORITIES DUILED VURSDICTION. -ALL DIMENSIONS GIVEN FIRST IN IMPERIAL FOLLOWED BY METRIC -THERMAL RESISTANCE VALUES BASED ON ZONE 1

FOOTINGS / SLABS:

POOLINGS / SLABS: TYPICAL SERV FOOLINGS / SLABS: O.B.C. 9.15.3. O.B.C. 9.15.3. ASED ON 16-11(45m) MAX. SUPPORTED JOIST LENGTH -MIN. 2000pd (15MPc) CONCRETE AFTER 28 DAYS SHALL REST ON UNDSTURBED SOIL, ROCK OR COMPACTED GRANULAR FILL W/ MIN. 10.5pd (7.94°c) BEARING CAPACITY -FTG. 50 HAVE CONTINUOUS SOIL ROCK OR COMPACTED GRANULAR FILL W/ MIN. 10.5pd (7.94°c) BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUBSEMAR TER REDUCED FOR SOILS W/ GREATER BEARING CAPACITY -FTG. SUB

TYPICAL STRIP FOOTING: (EXTERIOR WALLS) $\overline{}$

O.B.C. 9.1	5.3.5.		_
-FIG. TO EXTEND	0 MIN. 4'-0" (1	200mm) BEI	OW GRADE
BRICK VENEER	-1 STOREY	- 13" X 4"	(330mm X 100mm)
	-2 STOREY	- 19" X 6"	(485mm X 155mm)
	-3 STOREY	- 26" X 9"	(660mm X 230mm)
SIDING-	-1 STOREY	- 10" X 4"	(255mm X 100mm)

-2 STOREY - 14" X 4" (360mm X 100mm -3 STOREY - 18" X 5" (460mm X 130mm

2 TYPICAL STRIP FOOTING: (INTERIOR BEARING WALLS)

STOREY MASONRY	- 16" X 4"	(410mm X 100mm)
STOREY STUD	- 12" X 4"	(305mm X 100mm)
STOREY MASONRY	- 26" X 9"	(650mmX 230mm)
STOREY STUD	- 18" X 5"	(450mm X 130mm)
STOREY MASONRY	- 36" X 14"	(900mm X 360mm)
STOREY STUD	- 24" X 8"	(600mm X 200mm)
EP FOOTING:		

3 <u>STE</u>

O.B.C. 9.15.3.9. -23 5/8" (600mm) MAX. VERTICAL RISE & 23 5/8" (600mm) MIN. HORIZONTAL. RUN.

4 DRAINAGE TILE OR PIPE:

O.B.C. 9,14.3. 47 (100mm) MNA. DIA. LAID ON UNDISTURBED OR WELL COMPACTED SOIL W/ 107 OF THE OR PIFE TO BE BELOW BOTTOM OF F.R. SLAB. -COVER TOP & SIDES OF THE OR PIFE WJ 5 7/87 (150mm) OF CRUSHED STONE OR OTHER COURSE CLEAN CRAFMLUR MANTERNI. -THE SHALL DRAIN TO A SEWER, DRAINAGE DITCH, OR DRY WELL.

5 BASEMENT SLAB:

BASIMENT SLAF O.B.C. 9, 13, & 9, 16. 37 (75mm) CONCRETE SLAB 2200pt (15Mm) OAFER 28 DAYS - O.B.C. 9, 16.4.5. DAMPROOF BELOW SLAB W/ NIN. 0.000° (0.15mm) POLYETHYLENE OR TYPE 'S ROLL ROOFING W/A '10 form) LAPPED JOINTS. DAMPROOFING ON BENGTIN AFER 20 DAYS -47 (100mm) OF COURSE GRANULAR MATERIAL -FOXUPE SUND BENATION ANTERIAL BETWEEN SLAB & FTG. +ROVIDE BOND BERATION ON ATTERNAL BETWEEN SLAB & FTG. +HOLD BASIN FOR DAYS 14.4.4

-UNLES IT CAN BE DEMONSTRATED THAT SOIL GAS DOES NOT CONSTITUTE A PROBLEM, SOIL GAS CONTROL SHALL CONFORM TO SUPPLEMENTARY STANDARD (O.B.C. SB-9)

50 SLAB ON GROUND:

SLAB OR OCCUDU: 31/35 ONC OCCUDE: 27 (75mm) CONCRETE SLAB - O.B.C. 9. 16.4.5. 2200pd (15MPG) AFER 28 DAYS - O.B.C. 9. 16.4.5. DAMPPROCHERSLOW SLAB WINN, 0.006° (Io.15mm) POLYEIHYLENE OR TYPE 'S POLI ROOFING WI, 4° (100mm) LAPPED JOINTS. DAMPPROCHERS INST STENSITI AFER 28 DAYS 4° (100 Km) 1/G INULATION UNDER PRINE SLAB WHERE THE ENTIRE SLAB IS WITHIN 23-1/2° (800mm) OF GRADE. (ORC 58-12.3.1.1.7.(6)) 4° (100 Km) 1/G INULATION UNDER NUMERIA 4° (100 km) 1/G INULATION UNDER NUME

-WHERE SLAB D RECORDER TO THE OBJECT OF THE

CARACTER (SLAB) / CYTERIOR SLAB: (100mm) CONCRETE SLAB -465001 (SUM0) COMPRESSIVE STRENGTH AFTER 28 DAYS FOR UNREINFORCED CONC. & W/ 54% A/R ENTRAINMENT - 0.8.C. 9.3.1.6. -4% Y & (100mm) OF COURSE GRANULAR MATERIAL -ANY REI, PLACED UNDRE SLAB, COTHER THAN COURSE CLEAN GRANULAR MATERIAL, SHALL BE COMPACTED.

 PLASTERS:
 O.B.C. 9.15.5.3.

 -CONCRETE NB - 4" X 12" (100mm X 300mm)
 -6LOCC NN - 4" X 12" (100mm X 300mm)

 -BLOCC NN - 4" X 12" (100mm X 300mm) BONDED & TED TO WALL AS PER O.B.C. 9.20.11.2. TOP 7 7/8" (200mm) SOULD.

OR BEAM POCKET 4F (100mm) INIO FDN. WALL W/ WIDTH TO MATCH BEAM SIZE. 1/27 (13mm) SPACE AROUND WOOD BEANS (O.B.C. 9 23.2.2.) <u>STRUCTURAL COLUMNS</u> SIZES BASED ON COLUMN SUPPORTING BEAMS CARRYING LOADS FROM NOT MORE THAN 2 WOOD FRAME FLOORS, WHERE THE LINGTHS OF JOSTS CARRED BY SUCH BEAMS DO NOT EXCEED 16'-11 (4:mm) AND THE LIVE LOAD ON ANY FLOOR DOES NOT EXCEED 30pst (2.44Pa).

8 <u>STEEL PIPE COLUMN:</u> O.B.C. 9.15.3.4. & 9.17.3. FIXED COLUMN

-FRED COLUMN -FINE 31 /2 (P0mm) DIA. W 3/16" (4.76mm) WALL THICKNESS -FOR STEEL BEAAS, CLEPS (B) TOP & MIN. 6"X 4" X 1/4" (152mmX 100mmX -Somm) STEEL BIM. FLATE -FOR WOOD BEAAS, MIN. FX/KY1//* (100mmX 100mmX 4.35mm) STEEL TOP & BIM. FXARS, OR TOP FLATE TO EXTEND MIN. WOUTH OF BEAM -ADJISTABLE COLUMNS TO CONFORM TO CANI/CCS8-72-AN WHERE MPOSED LOAD DOES NOT EXCEED 34 KN (IO.B.C. 9.17.3.4.) C STEPFY - STEPFY - STEPFY 2 STOREY -MAX. 9'-10" (2997mm) - 34" X 34" X 16" - (860mmX 860mmX 400mm) - 44" X 44" X 21" - (1120mmX 1120mmX 530mm) -MAX. 16'-0" (4880mm) 3 STOREY -MAX. 9'-10" (2997mm)

331/MET - 40" X 40" X 19" -MAX. 9-10" (2997mm) - 100 Tommxi 1010mmXi 490mm) -MAX. 16' 0" (4800mm) - 11" X 51" X 32" - 11" X 51" X 32" X 34" - 112" Sommxi 12" Sommxi 300m - 12" Sommxi 12" Sommxi 200m - 14" Sommxi 12" Sommxi 200m - 16" MITH 2-5/8" (16mm) ANCHOR BOLTS

CLIENT SPECIFIC REVISIONS



THEORE COLUMNE OBC 91/14.1, 9.17.42, & 9.17.43. 5.1% * 25.1% [140mm] SOLID WOOD COLUMN-OR 3.2%*(38mm) Alommi Bull: UP COLUMN NAILED TOGETHER W/3*/(Farmi NAILS \$FACED NOT MORE THAN 12* (300mm) APART OR BOLTED TOGETHER W/3*(6*52mm) DAG OLIS \$FACED AT 16* (430mm) O.C. *#RAP COLUMN BASE W/3 MIL FOLT \$5525201 OF 100 BIECTLY ON CONC PAD (11* (430mm) O.C. \$5525201 OF 100 BIECTLY ON CONC PAD (11* (430mm) O.C. \$5525201 OF 100 BIECTLY ON CONC PAD (11* (430mm) OC) \$5525201 OF 100 BIECTLY ON CONC PAD (11* CONC SUPPORTED W/9* IOF COL \$54CBHG] \$552541 OF COL \$54CBHG] 3/ 10 COLSTAND & BORM X 860mm X 860mm CONC PAD (2 FLOORS SUPPORTED W/ 9'-10" COL SPACING)

10 BLOCK PARTY WALL BEAM END BEARING: (WOOD BEAM / GIRDER TRUSSES)

27X87X127 LEDGER BOARD FASTENED W/ 2/ 1/27 ANCHOR BOLTS @ 4" O.C. WHERE WOOD BEANS BEAR ON FIREWALLS USE GENERAL NOTE 11 WHERE REQUIRED TO OBTAIN 5" SEPARATION DISTANCE BEIWEEN ADJACENT BEANS

11 BLOCK PARTY WALL BEAM END BEARING: (STEEL BEAM) -12"X11"X 5/8" STL. PLATE ON TOP OF SOLID CONCRETE BLOCK WITH 2- 1/2"/9 x8" ANCHOR BOLTS.

WALL ASSEMBLIES:

(14)

WALL ASSEMBLIES:) COURDATION WALL OBJC, 9:15.42. -FOR WALLS NOT EXCEEDING 6:27 (250mm) IN LATERALLY SUPPORTED HEIGHT. -FOR WALLS NOT EXCEEDING 6:27 (250mm) IN LATERALLY SUPPORTED HEIGHT. OF 7/07 (2150mm) MAESURED (FOM) GAADE TO INSHED BASEMENT RLOCR. -FOR WALLS NOT EXCEEDING 7-07 (257mm) IN LATERALLY SUPPORTED HEIGHT. -FOR WALLS NOT EXCEEDING 7-07 (257mm) IN LATERALLY SUPPORTED HEIGHT. -FOR WALLS NOT EXCEEDING 7-07 (257mm) IN LATERALLY SUPPORTED HEIGHT. -FOR WALLS NOT EXCEEDING 7-07 (2160mm) & MAXS. SUPPORTED HEIGHT. OF 8-07 (250mm) MAESURED FROM GAADE TO FINSHED BASEMENT RLOCR. -LATERAL SUPPORT PROVIDED BY ANCHORED SILL PLATE TO JORTS. -FOR CONDITIONE RECEEDING FEESE MAXIMUMS AN ALTERNATIVE IN

LATERAL SUPPORT PROVIDED BY ANCHORED SILL PLATE TO JOSTS.
 CONDITIONS EXCEEDING THESE MAXIMUMS AN ALTERNATIVE IN
 CONFORMANCE TO O.R.C. 1.9.15.4.2.3. SHALL BE USED ORT SHALL BE DESIGNED
 UNDER 0.R.C. - PART 4
 -WALL SHALL EXTEND A MIN. 5.7/8 (150mm) ABOVE GRADE
 SUBLICUTE ORD (SIG 3.5.2) CONTINUOUS INSULATION FROM UNDERSIDE OF
 SUBJECTION OF DIVERSITY (150mm) ABOVE FINISHED FLOOR OF
 BASIMARY (CONTINUE) (SIG 3.5.2) CONTINUOUS INSULATION FROM UNDERSIDE OF
 SUBJECTION OF DIVERSITY (2000)
 ALTERNATE INSULATION METHOD. 2' (51mm) R0 (ES 1.7.5)(RCID INSULATION W/
 ALTERNATE INSULATION METHOD. 2' (51mm) R10 (ES 1.7.5)(RCID INSULATION W/
 ALTERNATE INSULATION METHOD. 2' (51mm) R10 (ES 1.7.5)(RCID INSULATION W/
 ACC FILL W/ MONTROOT SUSCEPTIBLE SOL
 DOR C' 915.4.2

REDUCION OF ITRUSTICAS O.B.C. 51.54.7. -WHERE THE IOP OF THE FOUNDATION WALL IS REDUCED IN THICKNESS TO ALLOW MASORING FACING, THE NIN, REDUCED THICKNESS SHALL NOT BE LESS THAN 3-1/2 ("POmm) THICK. -TIE IO FACING ANAETRAL WITH METAL TIES SPACED MAX. @ 7.7/8" (200mm) VERICALLY O.C. & 2-11" ["PO0mm] HORKONTALLY. -TILS SPACE EFFEVEN WALL AND FACING SOLD W/ MORTAR -WHERE WALL IS REDUCED FOR JOSTS, THE REDUCED THICKNESS SHALL BE -WHERE WALL IS REDUCED FOR JOSTS, THE REDUCED THICKNESS SHALL BE

MAX. 13-3/4" (350mm) HIGH & MIN. 3-1/2" (90mm) THICK

DAMPPROOFING & WATERPROOFING: -DAMPPROOF THE EXTERIOR FACE OF WALL BELOW GRADE AS PER O.B.C.

9,13.2. where insulation dates to more than 2-11" (room) Below Grade, a for, wall dramage layer shall be provided in conformance to 0.6.C.914.2.1(2) [6] (4] -Finished Dasements shall have interior damprooms extinding from same to grade leyer a shall conform to 0.8.C.913.3.(3) -Where hydrodiate stress str

140 FOUNDATION WALLS @ UNSUPPORTED OPENINGS:

2-20M BARS IN TOP PORTION OF WALL [UP TO 8-0" OPENING] 3-20M BARS IN TOP PORTION OF WALL [8:0" TO 10'0" OPENING] 4-20M BARS IN TOP PORTION OF WALL [10'0" TO 15:0" OPENING] BARS STACKED VERTICALLY AT INTERIOR FACE APPROX 4" TO 6" APART. -BARS TO HAVE MIN. 2" (50mm) CONCRETE COVER -BARS TO EXTEND 2'-0" (600mm) BEYOND BOTH SIDES OF OPENING

 TANKE PIRAL CONSTRUCTION.

 O.B.C. 92, 23.1.4.8, 92.7.

 SIDING OR STIL/CCO AS PER ELEVATIONI, MIN. 7.7/8" (200mm) FROM FINISHED

 GRADE [O.B.C. 92.3.1.4.8, 92.7.]

 "WALL SHEATHING MEMBRANE AS PER O.B.C. 9.27.3.2.

 -1/4" (simm) FRVMOOD [OXEDERO'T PIPE OR EQUIVALENT AS PER O.B.C. 9.23.16.

 -27 & 6" (Barm N. 140mm) WOOD STUDS ® 16" (400mm) O.C.

 -401 NR 22 (PSI 3371) NISULATION (DOKE 1. ORC 58-15 T.1.3.1.2.A.)

 -CONTINUOUS AIR/VAPOUR BARRER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.

Commodous And YAS USUB BARACE INCOME OF INDIRECT (12) State 7:2215. a 7:2215. I/27 (12) 7:mm) (2) YISUB BOARS NOTE - SUPPORT FOR 3 R.OORS ABOVE - 0.B.C. 19:23.10.1. = -FOR 3 R.OORS SUPPORTED ADS VICE 27 & 6" (38mm) 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.

REQ. FOR FIRE RATING (LESS THAN 4'0" LIMITING DISTANCE):

DBC. SB3 WALL EWD ISTC "NA, REE = 45 MR) O.B.C. SB3 WALL EWD ISTC "NA, REE = 45 MR) FOR 45 MRUTE RER RATED WALL REQUREMENTS SUBSTITUTE HE FOLLOWING MATERIALS: "REPLACE R22 (RSI 3.87) INSULATION WITH R22 (RSI 3.87) ABSOFTIVE INSULATING MATERIAL WITH A MASC FAT LL6AT 48 kg/ sq.m. "REPLACE 1/2" (12.7mm) INTERIOR GYPSUM BOARD WITH 1/2" (12.7mm) TYPE Y GYPSUM BOARD.

ECQ. FOR FIRE RATING (LESS THAN 2/0" LIMITING DISTANCE): REFER TO REQUIREMENTS FOR LESS THAN 4/0" LIMITING DISTANCE AND ADD/REPLACE THE FOLLOWING: NON-COMBUSTABLE SIDING OR STUCCO AS PER ELEVATIONS (REFER TO MANUFACTURESS SPECIFICATIONS).

UNY SIDING IS PERMITTED PER O.B.C. 9.10.15.5.(3). OVER 1/2" (12.7mm) GYPSUM EXTERIOR SHEATHING WHICH REPLACES EXTERIOR PLYWOOD OR EQUIV.

Steve & Tina Vocella

Detached Garage

ISSUED FOR CLIENT REVIEW

J REVISED AS PER HCD COMMENTS

2 ISSUED FOR CLIENT REVIEW

(15) ALTERNATE FRAME WALL CONSTRUCTION: O.B.C. 9.23. SIDING OR STUCCO AS PER ELEVATIONS, MIN. 7 7/8" (200mm) FROM FINISHED GRADE (O.B.C. 9.28.1.4, & 9.27.) -1 1/2" (38mm) R8 (RSI 1.41) RIGID INSULATION W/ TAPED JOINTS (O.B.C

9.27.3.4. BARCE W. COM. 16 GAUCE STEELT BRACES FROM TOP PLATE TO BIA. PLATE FOR THE FULL LENGTH OF WALL, OR COM. 27.4 ¢ (38mmX 89mm) SOLD WOOD BLOCKING & PREYOMMATEY 45 DEG. FROM TOP PLATE TO BIA. PLATE FOR FULL LENGTH OF WALL. -27. X ¢ (38mmX 89mm) WOOD STUDS 8 16° (400mm) O.C. © 12° (300mm) O.C. ON BOTTOM FLR. WHEN 3 STOREYS.

R14 (RSI 2.46) INSULATION CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.- 9.25.3. &

9.25.4. NOTE - SUPTORTFOR 2 - 3 TLCORS ABOVE - 0.0.C. 1.9.23.10.1. = - FOR 2 ROORS SUPPORTED ABOVE 2" X # [BmmX B9mm] STUDS ARE BEQUIRED TO BE SPACED @ 12" [300mm] 0.C. - FOR 3 ROORS SUPPORTED ABOVE 2" X & [BmmX 140mm] STUDS ARE BEQUIRED TO BE SPACED @ 12" [300mm] 0.C.

REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):

O.B.C. SB-3 WALL = EWI b (STC = N/A, FIRE = 45 MIN) FOR 45 MINUTE REE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS

FOLLOWING MATERIALS: - ADD L/rf (kmm) RYWOOD (KITEROR TYPE) OR EQUIVALENT AS PER O.B.C. - 923.16. BETWEEN BIGDI INSULATION AND WOOD STUD. - REFLACE R14 (B12.46) INSULATION WITH R14 (R512.46) ABSORPTIVE INSULATING MATERIAL WITH A MASS OF AT LEAST 28 kg/ sq.m. - REFLACE 174 (21.2mm) GTYPSULATION BD. W1 //2 (12.2mm) TYPE X GYPSUM BD.

date dwn chk

16-FEB-18 KK MSA

28/E8-18 MSA MSA

5MAR-18 MSA MSA

VAUGHAN

marketing no

date

REQ. FOR FIRE RATING (LESS THAN 2'-0" LIMITING DISTANCE):

REFER TO REQUIREMENTS FOR LESS THAN 4-0" LIMITING DISTANCE AND ADD/REPLACE THE FOLLOWING: -NON-COMBUTALEL SIDING OR STUCCO AS PER ELEVATIONS (REFER TO MANUFACTURERS SPECIFICATIONS). OR -VINIT_JOINIG IS PERMITTED PER Q.B.C. 9.10.15.5.(3). OVER SHEATHING PAPER OVER 1/2" (12.7mm) GYPSUM EXTERIOR SHEATHING ON EXTERIOR SIDE OF RIGID INSULATION

Subclain Wall Construction & GARAGE
 OB.C. 9.23.
 Subclain GR Structure & GARAGE
 OB.C. 9.23.
 Subing OR STUCC 0.AS. 9 FER ELEVATIONS, MIN. 7 7/8" (200mm) FROM
 FINSHED GRADE (0.AS. 9.28.1.4.8.9.27.)
 -WALL SHEATING MEMBERME AS FER O.B.C. 9.27.3.2.
 -I/AF (imm) PLYWOOD (DITERIOR TYTE) OR EQUIVALENT AS PER O.B.C.
 923.16.

9.23.16. 27.X (+ (Birmix) 89mm) WOOD SIUDS @ 16' (400mm) O.C. -1/2' (127mm) GYBSUM BOARD NOTE- SUPPORT FOR 2 - 3 FLOORS ABOYE - O.B.C. 1.9.23.10.1. = -FOR 2 FLOORS SUPPORTED ABOYE, 2' X 4' (Binmix) 89mm) SIUDS ARE REGURED TO BE SPACED @ 12' (Softman) O.C. -FOR 3 FLOORS SUPPORTED ABOYE, 2' X 6' (Binmix) 40mm) SIUDS ARE REGREED TO BE ANALTD @ 12' (Softman) X 40mm) SIUDS ARE REGREED TO BE ANALTD @ 12' (Softman) X 40mm) SIUDS ARE

REQ. FOR FIRE RATING (LESS THAN 2"-0" LIMITING DISTANCE):

THE FOLLOWING MATERIALS: -ADD ABSORPTIVE MATERIAL WITH A MASS OF AT LEAST 2.8 kg/ sq.m. -REPLACE 1/2'(12.7mm) GYPSUM BD. W/ 1/2' (12.7mm) TYPE 'X' GYPSUM BD.

-REFER TO REQUIREMENTS FOR LESS THAN 4-0" LIMITING DISTANCE AND ADD/REPLACE THE FOLLOWING: -NON-COMBUSTABLE SIGNED OR STUCCO AS PER ELEVATIONS (REFER TO MANUFACTURER'S SPECIFICATIONS).

OR -VINYL SIDING IS PERMITTED PER O.B.C. 9.10.15.5.(3). OVER SHEATHING PAPER OVER 1/2" (12.7mm) GYPSUM EXTERIOR SHEATHING WHICH REPLACES EXTERIOR PLYWOOD OR EQUIV.

HEICHI -MIN. 0.03° (0.76mm) THICK, 7/8° (22mm) WIDE CORROSION RESISTANT STRAPS @ MAX. 15 3/4° (400mm) O.C. HORIZONTAL & 23 5/8° (400mm) O.C. VERTICAL SPACING

PROVIDE WEEP HOLES @ 2-7" (800mm)O.C. @ BTM. COURSE & OVER PROTACT THE TRUE TO A 2 2 POINTS AND A 2 POINTS AND

TI/2 Somina IRS PRACE WALL SHEATHING MEMBRANE AS PER O.B.C. 9.27.3.2. 1/4" (6mm) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 2.3.16

V.23.16 27 X 6" (38mmX 140mm) WOOD STUDS @ 16" (400mm) O.C. -MIN. R22 (RSI 3.87) INSULATION (ZONE 1. OBC SB-12 T.3.1.1.2.A) -CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.- 9.25.3.

CONTINUOUS AIR/VAPOUR BAKRER IN LONG UNIT 2010 \$ 925.4 1/2° (122/nm) GVPEUM BOARD NOTE: SUPPORT FOR 3 FLOORS ABOVE - 0.8.C. 19.23.10.1.= FOR 3 FLOORS SUPPORTED ABOVE 2° X 6° (38mmX 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12° (300mm) O.C.

REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE): O.B.C. SB-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN) FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS: REPLACE R22 (RSI 3.87) INSULATION WITH R22 (RSI 3.87) ABSORPTIVE INSULATING MATERIAL WITH AMASS OF A TLEST 4.8 kg/3 cg.m. -REPLACE 1/2"(12.7mm) GYPSUM BD. W/ 1/2" (12.7mm) TYPE 'X' GYPSUM BD.

O.B.C. 9.23. -3-1/2" (90mm) FACE BRICK OR 4" (100mm) STONE @ 36'-1" (11m) MAX

-PROVIDE WEEP HOLES @ 2-7" (800mm)O.C. @ BTM. COURSE & OVER OPENINGS

MIN. 0.03" (0.76mm) THICK, 7/8" (22mm) WIDE CORROSION RESISTANT STRAPS @ MAX. 15 3/4" (400mm) O.C. HORIZONTAL & 23 5/8" (600mm) O.C. VERTICAL

AASE FLASHING UP TO 5 7,8° (150mm) BEHIND WALL SHEATHING MEMBRANE (0.8.C. 2.9.13.4.72) (0.8.C. 2.9.13.4.72) (126mm) RS MCE -1 (227) (28mm) RS MCE -1 (27) (28mm) RS (1511.41) RIGID INSULATION W/ TAPED JOINTS (0.8.C. 9.273.4.1

γ.27.3.4.] 27.X 4* (38mmX 89mm) WOOD STUDS @ 16* (400mm) O.C. @ 12* (300mm) O.C. ON BOTTOM FLR. WHEN 3 STOREYS BRACE W/ CONT. 16 GAUGE STEEL T' BRACES FROM TOP PLATE TO BTM. PLATE FOR THE FULL LENGTH OF WALL, OR

NT, 2" X 4" (38mmX 89mm) SOLD WOOD BLOCKING @ APPROXIMATELY DEG. FROM TOP PLATE TO BTM. PLATE FOR FULL LENGTH OF WALL

R14 (RSI 2.46) INSULATION CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.- 9.25.3. &

O.B.C. SB-3 WALL = EWIb (STC = N/A, FIRE = 45 MIN) FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS: -ADD 1/4r (farmit) PLYWOOD (EXTERIOR TYPE) OR EQUIVALENT AS PER O.B.C. 9231.6 BETWEEN REGIO INSULATION MITH R14 (FIS1 2-46) ABSORPTIVE INSULATING MATERIAL WITH A MASS OF AT LEATS 246/ 342m. -REPLACE 1/27(12.7mm) GYPSUM BD. W/1/2* (12.7mm) TYPE X* GYPSUM BD.

O.B.C. 9, 23. O.B.C. 9, 23. 3-1/27 (90mm) FACE BRICK OR 4" (100mm) STONE @ 36'-1" (11m) MAX. HIGHT -MIN. 0.03" (0.74mm) THCK. 7/8" (22mm) WIDE CORROSION RESISTANT STRAPS @ MAX, 15 3/4" (400mm) O.C. HORIZONTAL & 23 5/8" (400mm) O.C.

Vertical spacing .Provide weep holes @ 2'-7" (800mm) O.C. @ BTM. Course & Over

9:23.16 7:X 4 (BirnmX B9mm) WOOD STUDS @ 16' (400mm) O.C. 1/2' (127mm) GYPSUM BOARD NOTE - SUPPORT FOR 2 + 3 ROOKS ABOVE - 0.8.C. 19:23.10.1, = 4:OR 2 ROOKS SUPPORTED ABOVE, 2' X 4' (Binmak B9mm) STUDS AE REGURED TO BE SPACED @ 12' (S00mm) O.C. REGURED TO BE SPACED @ 12' (S00mm) O.C.

THESE DRAWINGS ARE NOT TO BE SCALED. ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF ANY WORK ANY DISCREPANCIES MUST BE REPORTED DIRECTLY TO RN DESIGN LTD

page

3/16" = 1'0"

DETACHED GARAGE

18016

Y.20.4. 1 XOLE: SUPPORTED ABOVE: - O.B.C. 1.9.23.10.1. = -FOR 2 HOORS SUPPORTED ABOVE: 2"X 4" (38mmX 89mm) STUDS ARE REQURRED to BESPACED # 1" (30mm) O.C. -FOR 3 HOORS SUPPORTED ABOVE; 2"X 4" (38mmX 140mm) STUDS ARE REQURRED to BESPACED # 1" (30mm) O.C.

REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):

(16b) BRICK VENEER CONSTRUCTION @ GARAGE:

RN design

Imagine + Inspire + Create

-CONT. 45 DEG

REQ. FOR FIRE RATING (LESS THAN 4-0" LIMITING DISTANCE):

O.B.C. SB-3 WALL = EWID (STC = N/A, FIRE = 45 MIN) FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS -ADD R15 (RSI 2.64) ABSORPTIVE MATERIAL WITH A MASS OF AT LEAST 2.8 kg/

 EXPOSED FLOOE
 # 28

 -CORTAUGUS ARR/VAPOUR BARBER IN CONFORMANCE W/ O.B.C.- 9.25.3. & 9.25.4.

 -R31 (RSI 546) RESULTION

 -VENED ALUMINUM SOFHTI

SUNKEN FINISHED AREAS: JUSE SOLID BUILTUP WOOD BEARING POST TO SUPPORT SUNKEN AREA AT FOUNDATION WALLS SITEMD FOOTINGS TO SUPPORT POSTS. --WHERE GRADING CONDITIONS WILL ALLOW, CHECK FOUNDATION WALLS INSTEAD OF UNION BEARING POSTS. -FLOOR STRUCTURE AS PER NOTE # 28.

250 CORBEL MASONRY VENEER: -MASONRY VENEER TO BE CORBELLED AS PER O.B.C. 9.20.12.3.(1)

FLOOR ASSEMBLIES:

27) BRIDGING & STRAPPING: O.B.C. 9.23.9.4. a) STRAPPING

28 FLOOR ASSEMBLY:

26 SILL PLATE:

H-COOR STRUCTURE AS FER NOTE # 28.
 (25)
 OUBLE MASONEY WITHE WALL:
 OR.C. 9.208.2.
 3.1/2" MASONEY VENEER ON 2" MORTAR JOINT ON 3 1/2" MASONEY VENEER
 -WYTHES TO BE TIERE ON 2" MORTAR JOINT ON 3 1/2" MASONEY VENEER
 -WYTHES TO BE TIERE ON 2" MORTAR JOINT ON 3 1/2" MASONEY VENEER
 -WYTHES TO BE TIERE ON 2" MORTAR JOINT ON 3 1/2" MASONEY VENEER
 -WYTHES TO BE TIERE ON 2" MORTAR JOINT ON 3 1/2" MASONEY VENEER
 -WYTHES TO BE TIERE ON 2" MORTAR JOINT ON 3 1/2" MASONEY VENEER
 -WYTHES TO BE TIERE ON 2" MORTAR JOINT ON 3 1/2" MASONEY VENEER
 -WYTHES TO BE TIERE ON 2" MORTAR JOINT ON 3 1/2" MASONEY VENEER
 -WYTHES TO BE TIERE ON 2" MORTAR JOINT ON 3 1/2" MASONEY VENEER
 -WYTHES TO BE TIERE ON 2" MORTAR JOINT ON 3 1/2" MASONEY VENEER
 -WYTHES TO BE TIERE ON 2" MORTAR JOINT ON 3 1/2" MASONEY VENEER
 -WYTHES TO BE TIERE ON 2" MORTAR JOINT ON 3 1/2" MASONEY VENEER
 -WYTHES TO BE TIERE ON 2" MORTAR JOINT ON 3 1/2" MASONEY VENEER
 -WYTHES TO BE TIERE ON 2" MORTAR JOINT ON 2" MORTAR JOINT ON 3 1/2" MASONEY VENEER
 -WYTHES TO BE TIERE ON 2" MORTAR JOINT ON 2" MORTAR JOINT ON 3 1/2" MASONEY VENEER
 -WYTHES TO BE TIERE ON 2" MORTAR JOINT ON 2" MOR

O.B.C. 9.23.7. O.B.C. 9.23.7. 27 X 47 (38mm X 89mm) PLATE 1.72 (12.7mm) DLA. ANCHOR BOLTS © 7-10° (2400mm) O.C. FASTENED 1 PLATE W/ NUTS AND WASHERS & SHALL 8E ENBEDDED NOT LESS THAN 4° (100mm) NINT OUNDATION WALL SILL PLATE TO BE CAULKED, OR FLACED ON A LAYER NOT LESS THAN 1° [23mm] THACK BEFORE COMPRESSING, OR FOAM GASKET, OR PLACED ON FULL BED OF MORTAR.

, FASTENED TO SILL OR HEADER @ ENDS

-FASTENED TO SILL ON THE OWNER 2 2010 b) BRIDGING -1"X 3" (19mmX 64mm) OR 2"X 2" (38mmX 38mm) CROSS BRIDGING @ MAX.

-1"X 3" (19mmX 44mm) 0.C -1" X 2" (19mmX 44mm) 0.C -1" R210mm 0.C -0 BRIDGING & STRAPPING -0 & b) USED TOCENER 0.R 1 1/2" (38mm) SOLD BLOCKING @ MAX. 6" 11" (2100mm) O.C. USED WITH STRAPPING (0) 01 FURBING OR PANEL TYPE CELING STRAPPING OR PANEL TYPE CELING STRAPPING NOT REQUIRED IF THERMIG STRIPS OR PANEL TYPE CELING FINISH IS ATACHED DIRECTLY TO JOISTS.

HOOR JOBIS AS THE FLOOR LOOP
 HOOR JABE
 OBC: 9.39.1.4,
 OBC: 9.39.1.4,
 OBC: 9.39.1.4,
 A/76" (12/mm) 4500 pd (32 MPa) CONC. SLAB WITH 5 TO 8% AIR ENTRAINMENT
 REVEACE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 REVEALE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WITH 10M BARS # 7 //8" (20/mm) EACH WAY
 STORE WI

WALLS NOT TO EXCEED 8-2"
 WALLS NOT TO EXCEED 8-2"
 WALLS NOT TO EXCEED 8-2"
 WILLS NOT TO EXCEED 8-2"
 WILLS NOT TO EXCEED 10 EXCENSION WILL'S SPACING
 -ZX-4" WOOD FURINS (CITI DIAGONALIY) @ 12" O.C. LAVING UNFASTENED
 ON SINGLE PLY WALTER/ROOF ROOF MEMBRANE OR EQUIVALENT ON 5/8"
 (ID Simm) EXTERIOR ROOF PLYVOOD FURINS
 (CITI DIAGONALIY) @ 12" O.C. DIRECTUR ON 2%8" ROOF JOISTS @ 12" O.C.
 (OR AS NOTED ON FLAND
 (CITI DIAGONALIY) @ 12" O.C. DIRECTUR ON 2%8" ROOF JOISTS @ 12" O.C.
 (OR AS NOTED ON FLAND
 (CITI DIAGONALIY) @ 12" O.C. DIRECTUR ON 2%8" ROOF JOISTS @ 12" O.C.
 (OR AS NOTED ON FLAND
 (CITI DIAGONALIY) @ 12" O.C. DIRECTUR ON 2%8" ROOF JOISTS @ 12" O.C.
 (OR AS NOTED ON FLAND
 (CITI DIAGONALIY) @ 12" O.C. DIRECTUR ON 2%8" ROOF JOISTS @ 12" O.C.
 (OR AS NOTED ON FLAND
 (CITI DIAGONALIY) @ 12" O.C. DIRECTUR ON 2%8" ROOF JOISTS @ 12" O.C.
 (OR AS NOTED ON FLAND
 (CITI DIAGONALIY) @ 12" O.C. DIRECTUR ON 2%8" ROOF JOISTS @ 12" O.C.
 (OR AS NOTED ON FLAND
 (CITI DIAGONALIY) @ 12" O.C. DIRECTUR ON 2%8" ROOF JOISTS @ 12" O.C.
 (OR AS NOTED ON FLAND
 (CITI DIAGONALIY) @ 12" O.C. DIRECTUR ON 2%8" ROOF JOISTS
 (CITI DIAGONALIY AS INTO ROOF JOINT) O.C. FOR
 VENTLATION OVER HEATED SACES:
 VENTLATION OVER HEATED SACES
 VENTLATION OVER HEATED SACES:
 VENTLATI

EXTENDE PLAT ROOF ASSEMBLY: SINGLE PLY WATERPROOF ROOF MEMBRANE OR EQUIVALENT INSTALLED PER MANUFACILIKERS SPECIFICATIONS. I/JE OFTEN GRADE WOOD OP NAEL THEY UNDERLAT THERED PURLINS SLOPED ININ 28 TO ROOF SCUPPER. JØJE OTERNO GRADE PLYWOOD SHEALTHING ON -2785 'ROOF JOSTS' B 127 C.C. (DR AS NOTED ON PLAN) TO DE OLIGE HEATT PRACES.

ROOF ASSEMBLIES 31 TYPICAL ROOF:

320 VAULTED OR CATHEDRAL CEILING:

date dwn chk

16-FEB-18 KK MSA

28/E8-18 MSA MSA

5MAR-18 MSA MSA

32 CEILING:

Steve & Tina Vocella

Detached Garage

ISSUED FOR CLIENT REVIEW

2 ISSUED FOR CLIENT REVIEW

3 REVISED AS PER HCD COMMENTS

VENITATION OVER JOSTS (JGC 9.19.1.2. VENTING NOT LESS THAN 1/150 OF CEUNG AREA) -ADD R31 (R31 5.46) INSULATION BETWEEN JOSTS -ADD CONTINUOUS ARVAPOUR BARRER IN CONFORMANCE W/ O.B.C. 925.3. 8 9.25.4. -ADD 1/2* 11.2*mmi GYPSUM BOARD W/ PAINTED CEUING (O.B.C.-19.29.5.3.)

228 KOOF JOSIS # 12 O.C. (OK AS NOTED ON FLAN) <u>REQUIRED FOR OVER HEALDS PACES</u>: -ADD 2X27 (38mm X 38mm) CROSS PURINS @ 16 (400mm) O.C. FOR VENTILATION OVER JOISTS (OBC 9.19.1.2. VENTING NOT LESS THAN 1/150 OF CELINOS AREA)

CELING AREA) -ADD R31 (RSI 5.46) INSULATION BETWEEN JOISTS -ADD CONTINUOUS AIR/VAPOUR BARRER IN CONFORMANCE W/ O.B.C. 9.25.3. 8.9.25.4. ADD 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CELING OR ADD 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CELING (O.B.C. T.9.29.5.3.)

 TYPICAL ROOE

 O.B.C. 926.
 O.

LAYOUT) -TRUSS BRACING AS PER TRUSS MANUFACTURER -EAVESTROUGH ON PREFINISHED FASCIA AND VENTED SOFFIT (VINYL OR AUTUMINIUM

ALUMINUM) -ATTIC VENTILATION 1:300 OF INSULATED CEILING AREA WITH, 50% AT SOFFIT.

-R60 (RSI 10.56) INSULATION -CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3.

1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. T.9.29.5.3.)

OBLC 9/04 CHATELARL CENTRO
 OBLC 9/04 CHATELARL
CENTRO
 OBLC 9/04 CHATELARL
CENTRO
 OBLC 9/04 CHATELARL
CENTRO
 OBLC 9/04 CHATELARL
CENTRO
 OBLC 9/04 CHATELARL
CENTRO
 OBLC 9/04 CHATELARL
CENTRO
 OBLC 9/04 CHATELARL
CENTRO
 OBLC 9/04 CHATELARL
CENTRO
 OBLC 9/04 CHATELARL
CENTRO
 OBLC 9/04 CHATELARL
CENTRO
 OBLC 9/04 CHATELARL
CENTRO
 OBLC 9/04 CHATELARL
CENTRO
 OBLC 9/04 CHATELARL
CENTRO
 OBLC 9/04 CHATELARL
CENTRO
 OBLC 9/04 CHATELARL
CENTRO
 OBLC 9/04 CHATELARL
CENTRO
 OBLC 9/04 CHATELARL
CENTRO
 OBLC 9/04 CHATELARL
CENTRO
 OBLC 9/04 CHATELARL
CENTRO

-3/AFTER STRIP NOT REQUIRED AS PER O.B.C. 9.26.7.2.(3) -3/8" (10mm) PLYWOOD SHEATHING OR OSB (0-2 GRADE) WITH "H" CUPS.

VAUGHAN

O.B.C. 9.23.14.3, 9.23.14.4 -5/8" (15.9mm) WAFERBOARD (R-1 GRADE) OR EQUIVALENT -FLOOR JOISTS AS PER FLOOR PLANS

m) O.C. FASTENED TO

JOTE: MASONRY TO BE SOLID & MORTAR JOINT FILLED SOLID FOR FLOOR JOISTS BEARING ON WYTHES, FLOOR JOISTS ARE NOT TO PROJECT INTO CAVITY AREA.

-2"x8" (38mm x 184mm) @ 16" O.C. W/ 2"x2" (38mm x 38mm) CROSS PURLINS @ 24" O.C. MAX. SPAN 13"-3" (4050mm) OR

O.B.C. TABLE A6 OR A7 -2" X 6" (38mm X 140mm) RAFTERS @ 16" (400mm) O.C. MAX. SPAN 12'-9"

-27.6 (Jostimi L. Hammer, J. K. 1990) -27.47 (Jostimi A. Shimi) COLLAR TES AT MIDSPANS -27.47 (Jostimi A. Shimi) COLLAR TES AT MIDSPANS -CELING JOIST DB 627.87 (Jostimi A) 40/mm) @ 16" (400mm) O.C. UNESS OHERWISE NOTED. -47.87 AVALLER PARTERS TO BE UNIX.27 (JOmm) LARGER THAN COMMON RAFERS & MIN.1 1/2" (JSmm) THICK.

 (34)
 ATTIC ACCESS HATCH: OBC 9,192.1. & SB-12.3.1.1.8.(1)

 -19.3(#* X27 1/2" (S000mK X00mm) ATTIC HATCH WITH WEATHERSTRIPPING & BACKED W/ R20 (RSI 3.52) INSULATION.

= 7-7/8" = 8-1/4" = 9-1/4"

ANGLED TREADS: -MIN. RUN = 57/8" (150mm) -MIN. AVG, RUN = 77/8" (200mm) -MINISHD RAUNG ON WOOD PICKETS MAX, 4" BETWEEN PICKETS -PATIERIOR CONC. STEP'S TO HAVE MIN. 9 1/4" (235mm) TREAD & MAX. 77 /8" (200mm) RISE

FOUND. WALL REQUIRED WHEN NUMBER OF RISERS EXCEEDS 2 -FTG. FOR FOUND. WALL TO BE MIN. 4'-0' (1220mm) BELOW GRADE

HEIGHT: O.B.C. 9.8.7.4 -2-107 (865mm) MN. TO 3-2' (965mm) MAX. -3-6' (1070mm) WHERE GUARDS ARE REQUIRED ON LANDINGS MEASURED VERTICALLY FROM THE TOP OF THE HANDRAIL TO A STRAIGHT LINE DRAWN FROM THE TANDENT TO THE TREAD NOSING

PROJECTIONS: O.B.C. 9.8.7.6 -HANDRAIS AND PROJECTIONS BELOW HANDRAILS INCLUDING STEP STRINGERS TO PROJECT A MAXIMUM OF & (100mm) INTO THE REQUIRED WIDTH OF THE STAR

(280mm) (280mm) (25mm (2050m

<u>UANDRAILS</u> O.B.C. 9.8.7 -ONE HANDRAIL REQUIRED WHERE STAIR WIDTH IS LESS THAN 3'-7" (1100mm) -TWO HANDRAILS REQUIRED WHERE STAIR WIDTH EXCEEDS 3-7" (1100mm) -TWO HANDRAILS ARE REQUIRED ON CURVED STAIRS OF ANY WIDTH -HANDRAILS ARE TO BE CONTINUOUS INCLUIDING AT LIANDINGS SECEPT WHERE INTERNIPTED BY DOOR WAYS OR NEWEL POSTS AT CHANGES IN

HEIGHT: O.B.C. 9.8.7.4 -2-10" (865mm) MIN. TO 3-2" (965mm) MAX. -3-4" (1070mm) WHERE GUARDS ARE REGURED ON LANDINGS) - MEASURED VERTICALLY FROM THE COP OF THE HANDRAIL TO A STRAIGHT LINE DRAWN FROM THE TANGENT TO THE TREAD NOSING

O.B.C. 9.B.7.6 HANDRAILS AND PROJECTIONS BELOW HANDRAILS INCLUDING STEP SIRINGERS TO PROJECT A MAXIMUM OF 4" (100mm) INIO THE REQUIR WIDTH OF THE STAIR

TERNINATION: O.B.C. 9.8.7.3 - ORE HAND BAIL SHALL EXTEND HORIZONTALLY NOT LESS THAN 11 3/4" (300mm) BEYOND THE TOP & BOTTOM OF EACH STAIR

TRISH: O.B.C. 9.8.9.6 TREADS ARE TO BE WEAR AND SUP RESISTANT, SMOOTH, EVEN AND FREE ROM DEFECTS PER OR 2.8.9.6.(4) - STARES AND RAMPS SHALL HAVE A COLOUR CONTRAST OR DISTINCTIVE VISUAL PATTERN TO DEMARCATE THE LEADING EDGE OF THE TREADS, LANDING AND THE REGISTING AND FND OF A RAMP

PICKETS TO HAVE 4" (100mm) MAX, SPACING GUARDS FOR FLIGHTS OF STEPS (EXCEPT EXIT STAIRS) TO BE 2-11" (900mm) HIGH

THESE DRAWINGS ARE NOT TO BE SCALED. ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF ANY WORK ANY DISCREPANCIES MUST BE REPORTED DIRECTLY TO RN DESIGN LTD

page

3/16" = 1'0"

RN design

Imagine + Inspire + Create

DETACHED GARAGE

18016

(360) EXTERIOR GUARDS: O.B.C. SB-7 & 9.8.8.3. -GUARDS ARE REQUIRED WHEN WALKING SURFACE TO GRADE IS GREATER THAN

(3) INTERIOR GUARDS: O.B.C.: SP. & 9.8.8.3. -GUARDS TO BE 3-6 (10/0mm) HIGH -CUARDS TO BE 3-6 (10/0mm) HIGH -POR DWELING UNITS GUIDES TO BE A MIN. OF 2-11* (900mm) HIGH -POR DWELING UNITS (900mm) HIGH

= 7-3/32" (180mm)

= 11" = 11"

= 6'-9" -4M. HEADROOM = 6-5" (2090mm) -4M. WIDH = 2-11" (900mm) (BUT STARS, BETWEEN GUARDS) FINISHED RALING ON WOOD FICKETS MAX. 4" BETWEEN PICKETS FOUND. WALL BEQUIRED WHEN NUMBER OF RESES EXCEEDS 2 FG. FOR FOUND. WALL TO BE WIN. 4" OF (1250mm) BELOW GRADE

HANDRAILS: O.B.C. 9.8.7 ONE HANDRAIL REQUIRED WHERE STAIR WIDTH IS LESS THAN 3.7.7 [] 100m -TWO HANDRAILS REQUIRED WHERE STAR WIDTH EXCEEDS 3.7.7 [] 100m -ONE HANDRAILS REQUIRED ON CURVED STAIRS OF NAY WIDTH WITHIN -ONE HANDRAILS REQUIRED ON CURVED STAIRS OF NAY WIDTH WITHIN

UNELING UNITS HANDRAILS ARE TO BE CONTINUOUS EXCEPT WHERE INTERRUPTED BY DOOR WAYS, LANDINGS OR POSTS AT CHANGES IN DIRECTION

(200mm) (210mm) (235mm)

(25mm) (1950mm)

(900mm)

33 CONVENTIONAL FRAMING

GENERAL:

O.B.C. 9.8.4. -MAX. RISE -MIN. RUN -MIN. TREAD

(DETIVICEN WALL FACES) -MIN. WIDTH = 2'-11" (S (EXIT STARS, BETWEEN GUARDS) ANGLED TREADS; -MIN. RUN = 57/8" (1)

35 PRIVATE STAIRS:

350 PUBLIC STAIRS: O.B.C. 9.8.4. -MAX. RISE

-MAX, KISE -MIN, RUN -MIN, TREAD -MAX, NOSING -MIN, HEADROOM -MIN, WIDTH

PROJECTIONS: O.B.C. 9.8.7.6

HANDRAILS:

AUXION NO TO THE ACHY ALSORFTIVE MATERIAL WITH A MASS OF AT LEAST 2.8 kg/ sq.m. AREFIACE 1/2[12.7mm] GYPSUM BD. W/ 1/2" (12.7mm] TYPE X GYPSUM BD.

O.B.C. 1,9.23.10.1. -Z* X ← [38mmX 89mm] WOOD STUDS ⊕ 16° (400mm] O.C. OR -Z* X ← [38mmX 140mm] WOOD STUDS ⊕ 16° (400mm] O.C. W/ - DOUBLE Z* X ← OR Z* X ← 10P PLATEs AND SINGLE BOTTOM PLATE - 1/27 (127.mm) OFFSUN BOARD BOTH SIDES.

18 BEARING STUD WALL (BASEMENT):

HOUING AS TER GENERAL MOLE #2, W/ 4 CONC. CURB
 PART WALL BLOCK
 O.B.C. SB-3 WALL = Bde (STC = 57, RRE = 2 HR)
 WIN. IN RIFERESSIANCE RAINING CONTINUOUS FROM TOP OF FOOTINGS
 TO THE U/S OF ROOF DECK
 SPACE BETWEEN TOP OF WALL & ROOF DECK SHALL BE TICHTLY FILLED W/
 MINERAL WOOL OR NONCOMBUSTBLE MATERIAL & CAULKED TO PREVENT
 SMOKE PASSAGE

SMOKE PASSAGE -1/2" (12.7mm) GYPSUM BOARD W/ TAPED JOINTS BOTH SIDES -2" X 2" (38mmX 38mm) WOOD STRAPPING @ 24" (600mm) O.C. BOTH

SIDES -ABSORPTIVE MATERIAL ON BOTH SIDES FILLING A MINIMUM OF 90% OF THE

CAVITY. 7 1/27 (190mm) HOLLOW BLOCK (NORMAL WEIGHT AGGREGATE) STAGGER JOIST & BEAMS MIN. 3 1/27 (90mm) @ PARTY WALLS AS PER 0.6.C. 9.10.9/21 (1) A TABLE 2.1.1.58-2 ACOUSTICAL SEALANT AS PER O.B.C. 58-3 (NOTE (2) TO TABLE 1)

ACOUSTICAL SEALANT AS PER O.R.C. SB-3 (NOTE (2) TO TABLE 1)
 ORC. SB-3 WALL = BLOCK (AGAINST GARAGE):
 O.B.C. SB-3 WALL = BSC (STC = 5.1, FRE = 2 HR)
 O.B.C. SB-3 WALL = BSC (STC = 5.1, FRE = 2 HR)
 O.B.C. SB-3 WALL = BSC (STC = 5.1, FRE = 2 HR)
 O.B.C. SB-3 WALL = BSC (STC = 5.1, FRE = 2 HR)
 O.B.C. SB-3 WALL = BSC (STC = 5.1, FRE = 2 HR)
 O.B.C. SB-3 WALL = BSC (STC = 5.1, FRE = 2 HR)
 O.B.C. SB-3 WALL = BSC (STC = 5.1, FRE = 2 HR)
 O.B.C. SB-3 WALL = BSC (STC = 5.1, FRE = 2 HR)
 O.B.C. SB-3 WALL = BSC (STC = 5.1, FRE = 2 HR)
 O.B.C. SB-3 WALL = BSC (STC = 5.1, FRE = 2 HR)
 O.B.C. SB-3 WALL = BSC (STC = 5.1, FRE = 2 HR)
 O.B.C. SB-3 WALL = BSC (STC = 5.1, FRE = 2 HR)
 O.B.C. SB-3 WALL = BSC (STC = 5.1, FRE = 2 HR)
 O.B.C. SB-3 WALL = BSC (STC = 5.1, FRE = 2 HR)
 O.B.C. SB-3 WALL = BSC (STC = 5.1, FRE = 2 HR)
 O.B.C. SB-3 WALL = BSC (STC = 5.1, FRE = 2 HR)
 O.B.C. SB-3 WALL = BSC (STC = 5.1, FRE = 2 HR)
 O.B.C. SB-3 WALL = BSC (STC = 5.1, FRE = 2 HR)
 O.B.C. SB-3 WALL = BSC (STC = 5.1, FRE = 2 HR)
 O.B.C. SB-3 WALL = BSC (STC = 5.1, FRE = 2 HR)
 O.S.C. SB-3 WALL = BSC (STC = 5.1, FRE = 2 HR)
 O.S.C. SB-3 WALL = BSC (STC = 5.1, FRE = 1.5, F

 FREWALL:
 O.B.C. 9.10.11. & 3.1.10. & SB-3. WALL = Bde (STC = 57. FIRE = 2 HR)

 ONE REEWALL S REQUIRED FOR EVERY 4440 S.F. (400 SQ.M) OF BUILDING AREA, O.B.C. 13.22.47,
 -1/27 (12.7mm) GTPSUM BOARD W/ TAPED JOINTS

 -/1/27 (12.7mm) GTPSUM BOARD W/ TAPED JOINTS
 -2% Y.Z. (38mm) WOOD STRAPPING @ 24' (400mm) O.C. ON BOTH SIDES OF WALL

- POUNDATION WALL TO REST ON FOOTING PER CENERAL NOTE #2
 PARTY WALL. WOOD STUD
 OBS.C. SB-3 WALL = W13a (STC = 57, FIRE = 1 HR)
 OBS.C. SB-3 WALL = W13a (STC = 57, FIRE = 1 HR)
 -MIN. IHE RIFERESTATICE RATING CONTINUOUS FROM TOP OF
 FOOTINGS TO THE U/S OF ROOF DECK
 2R CWS 2XF4/38mmX B/Smm) STUD SB IS (#400mm) O.C. W/ SEPARATE
 Z' X (# (38mmX B/Smm) STUD SB IS (#400mm) O.C. W/ SEPARATE
 Z' X (# (38mmX B/Smm) STUD SB IS (#400mm) O.C. W/ SEPARATE
 Z' X (# (38mmX B/Smm) STUD SB IS (#400mm) O.C. W/ SEPARATE
 Z' X (# (38mmX B/Smm) STUD SB IS (#400mm) O.C. W/ SEPARATE
 Z' X (# (38mmX B/Smm) STUD SB IS (#400mm) O.C. W/ SEPARATE
 Z' X (# (38mmX B/Smm) STUD SB IS (#400mm) O.C. W/ SEPARATE
 Z' X (# (38mmX B/Smm) STUD SB IS (#400mm) O.C. W/ SEPARATE
 Z' X (# (38mmX B/Smm) STUD SB IS (#400mm) O.C. W/ SEPARATE
 Z' X (# (38mmX B/Smm) STUD SB IS (#400mm) O.C. W/ SEPARATE
 Z' X (# (38mmX B/Smm) STUD SB IS (#400mm) O.C. W/ SEPARATE
 Z' X (# (38mmX B/Smm) STUD SB IS (#400mm) O.C. W/ SEPARATE
 Z' X (# (38mmX B/Smm) STUD SB IS (#400mm) O.C. W/ SEPARATE
 Z' X (# (38mmX B/Smm) STUD SB IS (#400mm) O.C. W/ SEPARATE
 Z' X (# (38mmX B/SmmX B/SmmX

FILED. ACOUSTICAL SEALANT AS PER O.B.C. SB-3 (NOTE [2] TO TABLE 1) NOTE - SUPPORT FOR 2 + 3 FLOORS ABOVE - 0.B.C. 19.23.10.1, = FOR 2 FLOORS SUPPORTE DAOVE, 27 X 4 [38mmX 89mm] STUDS ARE REQUEED TO BE SPACED @ 12 (300mm) O.C. FOR 3 FLOORS SUPPORTED ABOVE, 27 X 6 [38mmX 140mm] STUDS ARE REQUEED TO BE SPACED @ 12 (300mm) O.C. FOR 3 FLOORS SUPPORTED ABOVE, 27 X 6 [38mmX 140mm] STUDS ARE REQUEED TO BE SPACED @ 12 (300mm) O.C.

IF 2"x6" STUDS ARE USED AT STAIR OPENING CONTINUE TO USE ON REMAINING FLOORS AT THE STAIR OPENING AT 16" O.C.

CON REMAINING FLOORS AT THE STAIR OPENING AT 16" OX. 222 CRACE #VALL & CELING: 0.6.C. 9.10.9.16.31 -1/2" (12.7mm) GYSUM BOARD ON BOTH SIDES OF WALL & U/S OF CELING EWIEEN HOUSE AND GARAGE -1.47° AND SEAL ALL JOINTS GAS TICH! *201 (18.2.10) *201 (18.2.10) *201 (18.2.10) *201 (18.2.10) *201 (18.2.10) *201 (19.2.10) *201 (

MAUS AUDALEMT OF UNIT. SPACE J27 (127mm) GYPSUM BOARD CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C.- 925.3.8, 925.4. 27 K of (Barmin) WOOD STUDS ⊕ 16" (400mm) O.C. 472 (195 3/8) INSULATION 1/2" (127mm) GYPSUM BOARD OR 1/4" (4mm) PLYWOOD SHEATHING ON ATTIC SIDE. ATTIC ACCESS TO BE PROVIDED AS PER O.B.C. 9.19.2.1.

ATTIC: ACCESS TO BE PROVIDED AS PER O.B.C. 9.19.2.1.
 OBLC 92.21 0.1
 OBLC 92.23 0.2
 OBLC 92.25 0.2
 OBLC 92.2
 OBLC 92.2

AND TAKEN

FIRM IS

220 WALLS ADJACENT TO ATTIC SPACE:

DECLARE THAT I HAVE REVIEWS DESIGN RESPONSIBILITY FOR THE DESIGN OF RID DESIGN ID UNDER THE OF THE BUILDING REGISTER

PRELIMINARY-NOT

FOR CONSTRUCTION

(36b) EXTERIOR GUARDS @ JULIET BALCONY:

LINEARCH WURKEY & JUNET BALCONT: FOR RALING STANNISG ANAXUMUR OF 6-07. FROVIDE PRETH. METAL RALING W/ Zerm VERICAL OPENING TO CONFORM WITH 0.5C. APPEDATO K 4-9.8.8.5. -GUARDS TO BE 3-6 (1070mm) -FOR DIVELING UNIS GUARDS TO BE 2-11° (900mm) WHERE FLOOR TO GRADE DIFFERENCE B LISS THAN 5-11° (1800mm) AS PER O.B.C. 9.8.8.2. OR

9.8.8.2. OR -OR DIVELLING UNITS CUARDS TO BE 3'-6' WHERE FLOOR TO GRADE DIFFERENCE IS 5-11' [1800mm] OR GREATER AS PER O.8.C. 9.8.8.2. -VERICAL END RAILING ANCHORED TO CORNEY DOUBLE STUDIES USING 3 ROWS OF 3/8''0 MIN. ANCHOR BOLTS EQUALLY SPACED WITH 3' MIN. EMBEDMENT TO STUDS. -PROVIDE SAME ANCHOR BOLTS @ 36' O.C. FOR BASE PLATE CONNECTION.

- 37 -LINEN CLOSET 4 SHELVES MIN. 1'-2" (350mm) DEEP
- -WASHROOMS TO BE MECHANICALLY VENTED TO PROVIDE AT LEAST ONE AIR CHANGE PER HOUR, O.B.C.- 9.32.1.3.(3)
- 39 -CAPPED DRYER VENT
- 40 -1"X2" (19mmX38mm) BOTH SIDES OF STEEL.
- WOOD FRAMING MEMBERS SUPPORTED ON CONCRETE IN CONTACT WITH GROUND OR FILL SHALL BE PRESSURE TREATED OR SEPARATED FROM CONCRETE W/ & mil POLYETHYLENE.
- 42 -PRECAST CONC. STEP -2 RISERS MAXIMUM PERMITTED TO BE LAID ON GROUND
- 2 RESERVANUEM PERMITTED TO BE LAD ON GRUND (2) RESERVANUEM PERMITTED TO BE LAD ON GRUND (2) ROMCE ALARK 0.0.5.C. 9,10.1 (2) ROME ALARK 0.0.5.C. 9,10.1 (3) ROME ALARK 0.0.5.C. 9,10.1 (3) ROME ALARK 0.0.5.C. 9,10.1 (3) ROME ALARK 0.0.5.C. 9,10.1 (4) ROME 0.0.5.C. 9,10.1 (5) ROME 0.0.5.C. 9,10.1 44
- CARBON MONOXIDE ALARM (CMA), O.B.C.- 9.33.4. -WHERE THERE IS A FUEL BURNING APPLIANCE A CMA SHALL BE PROVIDED 45 ADJACENT TO EACH SLEEPING AREA. -CMA TO BE WIRED IN CIRCUIT TO SOUND SMOKE ALARMS WHEN ACTIVATED.
- AMIN DOOR TO BE OPERABLE FROM INSIDE W/OUT KEY
 PROVIDE A VIEWER WITH A VIEWING ANGLE OF NOT LESS THAN 160 DEG.
 UNLESS CHAZING & PROVIDED IN DOOR OR A SIDELIGHT IS PRESENT.
 -R4 (RSI 0.70) WHERE A STORM DOOR IS NOT PROVIDED
- -GARAGE MAN DOORS TO BE GAS PROOFED WITH SELF CLOSER, WEATHERSTRIPPING, THRESHOLD & DEAD BOLT PER O.B.C. 9.10.13.15.

 -R4 (RSI 0.70)

HRAVEL FROM A FLOOR LEVEL TO AN EXIT OR EGRESS DOOR SHALL BE LIMITED TO ONE FLOOR EXCEPT; I) WHERE THAT FLOOR LEVEL HAS A COCESS TO A BALCONY OR 2) WHERE THAT FLOOR LEVEL HAS A WINDOW PROVIDING AN UNDESTRUCTED OPENING OF NOT LESS THAN 3:-3; TUDOITINI IN HEIGHT AND 21 35; (SSIMTI) IN UDITE SUCH WINDOW SHALL BE LOCATED SO THAT INE SILL IS NOT MORE THAN 3:-3; TUDOITINI AUGURE HOOR AND 23:-0; (7.01) ADD VE ADJACENT GROUND LEVEL.

49 EXTERIOR COLUMN W/ MASONRY PIER:

MIN. 6'X6" (140mm X 140mm) WOOD FOST ANCHORED TO PORCH SLAB W/ METAL SADDLE. -TOP PORTION OF POST CLAD W/ DECOR. SURROUND PER ELEVATION

DBAUNICS: 14X I FA MASONRY VENEER SURROUND W/ PRECAST CONCRETE CAP. REFER TO ELEVATION DRAWINGS FOR HEIGHT OF CAP. SURROUND TO BE TIED W/ NETAL TIES @ 16' (400mm) O.C. VERT. INSTALLED PER O.B.C. 920.94. 3/47 ABS 7AC ARCHAOL

3/47 MIX 87A/CE ANGUNE YOU. OR -MIN, 67X6 (140mm X 140mm) WOOD FOST CLAD W/ DECOR, SUBROUND (PER ELEVATION DRAWINGS) ANCHORED TO CONC. CAP W/ MEIAL SADDLE. -1-47 X1 + MASONEY PER TO BE CONSTRUCTED SOLID W/ PRECAST SUBJECT CLASS.

14 A 14 MAGNET FIRE TO BE CONSTRUCTED SOLID BY FREEAST CONCRETE CAP. REFER TO ELEVATION DRAWINGS FOR HEIGHT OF CAP. NOTE: DECORATIVE STRUCTURAL COLUMNS MAY REPLACE 6" X 6" POST PROVIDED THAT THEY ARE IN CONFORMANCE WITH O.B.C. 9.17.4.

490 EXTERIOR COLUMN:

-AIN. 67.6" (140mm X 140mm) WOOD FOST CLAD W/ DECOR. SURROUND (FER ELEVATION DRAWINGS) ANCHORED TO FORCH SLAB W/ METAL SADDLE NOTE: DECORATIVE STRUCTURAL COLUMNS MAY REPLACE 6" X 6" ABOVE PROVIDED 1141 THEY ARE IN ACCORDANCE WITH O.B.C. 9.17.4.

50 COLD CELLARS:

-VENTING AREA TO BE EQUIVALENT TO 0.2% OF COLD CELLAR AREA. -VENTING AREA TO BE EQUIVALENT TO 0.2% OF COLD CELLAR AREA. -COVER VENT W/ BUG SCREEN WALL MOUNTED LIGHT FIXTURE L1+L7 FOR DOOR OPENING -2'-8" X 6'-8" EXTERIOR TYPE DOOR (MIN.R-4 RSI 0.7) INSULATE FULL HEIGHT OF INTERIOR BASEMENT WALL W/ MIN. R12 (RSI 2.11)

(31) STUD MALL REINFORCEMENT: O.B.C. 9-52-3. -WALL STUDS ADJACENT TO WATER CLOSETS & SHOWER BATH TUBS IN MAIN BATHROW MARE TO BE REINFORCED TO FERMIT THE FUTURE INSTALLATION OF GRAB BARS AS FER O.B.C. 3.8.3.8.(3)(a)(a)(b)(c) & 3.8.3.13.(2)(f) & 9-9-312 July) 3.8.3.13.(4)(c) -GRAB BARS TO BE INSTALLED AS PER O.B.C. 9.8.7.7.(2)

52 ELECTRICAL VEHICLE CHARGING REQUIREMENTS: - REFER TO OBC 9.34.4.1. FOR REQUIRMENTS (EFFECTIVE JANUARY 2018)

53 WINDOW GUARDS:

- mituow GUARDS: @ STAIRS, LANDINGS & RAMPS, OBC 9.8.8.1,[8] WINDOW SLI AT 30° (YOOmm) OK GREATER DOES NOT REQUIRE GUARDS @ FLOOKS OBC 9.8.8.1,(4) WINDOWS LESS HINN 1:7° (400mm) ABOVE FLOORS WHERE ADJACENT GRADE S GREATER THAN 5-11° (1800mm) REQUIRE A GUARD PER OBC 9.8.8.2. OR - OR -
- WINDOW TO BE NON-OPERABLE AND DESIGNED TO WITHSTAND LATERAL LOADS PER OBC 9.8.8.1.(8)(b)

FRAME CONSTRUCTION:

ALL FRAMING LUMBER TO BE No.1 AND No. 2 SPF UNLESS NOTED

ROOF LOADING IS BASED ON 1.5kPg SPECIFIED COMPOSITE SNOW AND ACUTE LOPAINER IN 1-1/2" (38mm) FND REARING - JOSTIS TO HAVE MIN. 1-1/2" (38mm) FND REARING - BEAMS TO HAVE MIN. 3-1/2" (89mm) END REARING - DOUBLE STUDS @ OPENINGS

-BEAMS TO HAVE MIN. 3-1/2 (97/fmt) END BEAMING DOUBLE STUDIES OPENNICS -DOUBLE HEADER JOISTS AROUND LOOR OPENINGS WHEN THEY ARE BETWEEN 3-111 (120mm) MD 10-67 (320mm) -DOUBLE TRIMMER JOISTS WHEN HEADER JOIST LENGTH IS BETWEEN 2-7"

-DUBLE IRIMMER JOIST WHEN REALER JOST LENGTIN BETWEEN 2-7-(80mm) AND 2-7- (2000mm) -DUBLE JOSTS OR SOLD BLOCKING UNDER NON-LOAD BEARING -BRANLEL PARTITIONS -BEAMS TO BE FLACED UNDER LOADBEARING WALLS WHEN WALLS ARE PARALLEL TO FLOOR JOSTS

PARALLE TO FLOCE JUSIS BEAMS MAY BE AMX. 24' (600mm) FROM LOADBEARING WALLS WHEN WALLS ARE FERFENDICULAR TO FLOCE JUSIS APPROVED INFELT HANCRES TO BE USED FOR JUSIS AND BEANS WHEN THEY FRAME INTO SIDES OF BEANS, TRIMMERS AND HEADERS FLOCE JUSIS SUPPORTING ROOF LOADS SHALL NOT BE CANTILEVERED MORE THAN 15 3/4' (400mm) BEYOND SUPPORTS FOR 2''X 8' (38mm X Jiatron)

184mm) -FLOOR JOISTS SUPPORTING ROOF LOADS SHALL NOT BE CANTILEVERED MORE THAN 23 5/8" (600mm) BEYOND SUPPORTS FOR 2" X 10" (38mm X

235mm) OR LARGER.

WINDOWS: -WINDOWS TO BE SEALED TO THE AIR & VAPOR BARRIER

WINDOWS THAT SEPARATE HEATED SPACE FROM UNHEATED SPACE SHALL HAVE AN OVERALL COEFFICIENT OF HEAT TRANSFER OF

2.8 W/(m2.K) FOR GROSS GLAZED AREAS LESS THAN AND EQUAL TO 17%

THESE DRAWINGS ARE NOT TO BE SCALED. ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF ANY WORI ANY DISCREPANCIES MUST BE REPORTED DIRECTLY TO RN DESIGN LTD

CLIENT SPECIFIC REVISIONS

SCHEDULES PLAN/ELEVATION LEGEND WOOD BEAMS
 COD BEAMS

 WDI0
 2/1 3/4* X7 1/4* [2:0E] LVL

 WD11
 3/1 3/4* X7 1/4* [2:0E] LVL

 WD12
 1/1 3/4* X8 1/2* [2:0E] LVL

 WD12
 2/1 3/4* X8 1/2* [2:0E] LVL

 WD12
 2/1 3/4* X8 1/2* [2:0E] LVL

 WD12
 2/1 3/4* X8 1/2* [2:0E] LVL

 WD13
 3/1 3/4* X8 1/2* [2:0E] LVL

 WD14
 2/1 3/4* X8 1/2* [2:0E] LVL

 WD15
 3/1 3/4* X11 7/8* [2:0E] LVL

 WD14
 2/1 3/4* X11 7/8* [2:0E] LVL

 WD15
 3/1 3/4* X11 7/8* [2:0E] LVL

 WD15
 3/1 3/4* X14* [2:0E] LVL

 WD16
 2/1 3/4* X14* [2:0E] LVL

 WD15
 2/1 3/4* X14* [2:0E] LVL

 WD15
 2/1 3/4* X14* [2:0E] LVL
 CARBON MONOXIDE
 WD1
 3/2" X 8" SPR

 WD2
 4/2" X 8" SPR

 WD3
 5/2" X 8" SPR

 WD4
 3/2" X 10" SPR

 WD5
 4/2" X 10" SPR

 WD6
 5/2" X 10" SPR

 WD7
 3/2" X 12" SPR

 WD8
 4/2" X 12" SPR

 WD8
 4/2" X 12" SPR

 WD9
 5/2" X 12" SPR
 DOORS (4)(4) FLOOR DRAIN SMOKE ALARM (44) ð ALARM (CMA) DOORS (27/27) A 865x2030x45 (210%x6%x1-3/47) B 815x2030x35 (28%x6%x1-3/87) C 760x2030x35 (26%x6%x1-3/87) D 710x2030x35 (24%x6%x1-3/87) WATERPROOF DUPLEX OUTLET DJ DOUBLE JOIST SOLID BEARING PRESSURE TREATED PT VENTS AND INTAKES POINT LOAD E 460x2030x35 (1'6'x6'8'x1-3/8') GT GIRDER TRUSS FLAT ARCH F 610x2030x35 (20"x6'8"x1-3/8" G OVER SIZED EXTERIOR DOOR HOSE BIB AFF ABOVE FINISHED FLOOR BEAM BY FLOOR MANUF BBFM 2 STORY WALL (38) EXHAUST FAN BEAM BY FLOOR MANUF FLUSH DROPPED REPEAT SAME JOIST SIZE UNDER SIDE FIXED GLAZING GLASS BLOCK BLACK GLASS (FL) (DR) 'DO' WALL MOUNTED LINTELS #" X 3-1/2" X 1/#"1 4-7/8" X 3-1/2" X 5/16" L 4-7/8" X 3-1/2" X 3/8" L 5 7/8" X 3-1/2" X 5/16" L 5-7/8" X 3-1/2" X 3/8" L 0 COLD CELLAR VENT (50) STEEL BEAM 2/ 2" X 8" SPR 2/ 2" X 10" SPR 2/ 2" X 12" SPR 3-1/2" X 3-1/2" X 1/4" L 4-7/8" X 3-1/2" X 1/4" L 19 L10 L11 L12 114 5-7/8" ¥ 3-1/2" ¥ 1, L15 5-7/8" X 4" X 1/2" Ł L16 7-1/8" X 4" X 3/8" Ł L17 7-1/8" X 4" X 1/2" Ł ST1 ST2 ST3 ST4 W 6 X 15 W 6 X 20 W 8 X 18 W 8 X 21 W 8 X 24 STOVE VENT L3 L5 L7 U/S FG GB BG HYDRO METER ø FIRE PLACE VENT G GAS METER DRYER VENT ST5 DETACHED GARAGE Steve & Tina Vocella VAUGHAN DECLARE THAT I HAVE REVIE AND TAKEN RN design DESIGN RESPONSIBILITY FOR THE DESIGN OF THE BUILDING PRELIMINARY-NOT BEHALF marketing no ON-3.2.4 Imagine + Inspire + Create FOR CONSTRUCTION FIRM IS Detached Garage 3/16" = 1'0" 18016 date dwn chk date ISSUED FOR CLIENT REVIEW 16-FEB-18 KK MSA pag 2 ISSUED FOR CLIENT REVIEW 28/EB-18 MSA MSA 3 REVISED AS PER HCD COMMENTS SMAR-18 MSA MSA

