

CONSTRUCTION SET



Drawing List:

- A0 TITLE SHEET
- A1 FOUNDATION PLAN 'B'
- A2 PARTIAL SUNKEN CONDITION, FOUNDATION PLAN 'B'
- A3 LOWER FLOOR ELEV 'B'
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- A5 PARTIAL ALT. BEDROOM LOWER FLOOR ELEV 'B'
- A6 FIRST FLOOR ELEV 'B'
- A7 SECOND FLOOR ELEV 'B'
- A8 ALT. BEDROOM SECOND FLOOR ELEV 'B'
- A9 FOUNDATION PLAN 'C' & 'D'
- A10 PARTIAL LOWER FLOOR ELEV 'C' & 'D'
- A11 PARTIAL ALT. BEDROOM LOWER FLOOR ELEV 'C' & 'D'
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- A17 FRONT ELEVATION 'C'
- A18 FRONT ELEVATION 'D'
- A19 REAR ELEVATION 'C' & 'D'
- A20 PARTIAL INTERIOR END FOUNDATION PLAN 'A'
- A21 PARTIAL INTERIOR END, SUNKEN CONDITION, FOUNDATION PLAN 'A'
- A22 PARTIAL INTERIOR END LOWER FLOOR ELEV 'A'
- A23 PARTIAL INTERIOR END SUNKEN CONDITION, LOWER FLOOR ELEV 'A'
- A24 PARTIAL INTERIOR END FIRST FLOOR ELEV 'A'
- A25 PARTIAL INTERIOR END SECOND FLOOR ELEV 'A'
- A26 PARTIAL INTERIOR END ALT. BEDROOM SECOND FLOOR ELEV 'A'
- A27 INTERIOR END FRONT ELEVATION 'A'
- A28 INTERIOR END SIDE ELEVATION 'A'
- A29 INTERIOR END REAR ELEVATION 'A'
- A30 PARTIAL EXTERIOR END FOUNDATION PLAN 'A'
- A31 PARTIAL EXTERIOR END LOWER FLOOR ELEV 'A'
- A32 PARTIAL EXTERIOR END ALT. BEDROOM LOWER FLOOR ELEV 'A'
- A33 PARTIAL EXTERIOR END FIRST FLOOR ELEV 'A'
- A34 PARTIAL EXTERIOR END SECOND FLOOR ELEV 'A'
- A35 PARTIAL EXTERIOR END ALT. BEDROOM SECOND FLOOR ELEV 'A'
- A36 EXTERIOR END FRONT ELEVATION 'A'
- A37 EXTERIOR END SIDE ELEVATION 'A'
- A38 EXTERIOR END REAR ELEVATION 'A'
- D1 CONSTRUCTION NOTES
- D2 CONSTRUCTION NOTES
- D3 CONSTRUCTION NOTES

Areas:

	ELEVATION 'A'		ELEVATION 'B'		ELEVATION 'C'		ELEVATION 'D'	
	SF	SM	SF	SM	SF	SM	SF	SM
LOWER FLOOR			487.1	45.3	468.2	43.5	468.2	43.5
FIRST FLOOR			745.5	69.3	717.0	66.6	717.0	66.6
FIRST FLOOR OTB			(5.0)	(0.5)	(5.0)	(0.5)	(5.0)	(0.5)
SECOND FLOOR			745.5	69.3	717.0	66.6	717.0	66.6
SECOND FLOOR OTB			(4.0)	(0.4)	(4.0)	(0.4)	(4.0)	(0.4)
TOTAL AREA (B)			0.0	1968.1	183.0	1893.2	175.9	1893.2
INTERIOR END LOWER FLOOR			497.9	46.3				
INTERIOR END FIRST FLOOR			764.8	71.0				
INTERIOR END FIRST FLOOR OTB			(5.0)	(0.5)				
INTERIOR END SECOND FLOOR			764.8	71.0				
INTERIOR END SECOND FLOOR OTB			(4.0)	(0.4)				
TOTAL AREA (1)			2018.5	187.5				
EXTERIOR END ALT. BEDROOM LOWER FLOOR			505.3	46.9				
EXTERIOR END FIRST FLOOR			770.7	71.4				
EXTERIOR END ALT. BEDROOM SECOND FLOOR			770.7	71.4				
EXTERIOR END ALT. BEDROOM SECOND FLOOR OTB			(4.0)	(0.4)				
EXTERIOR END FIRST FLOOR OTB			(5.0)	(0.5)				
TOTAL AREA (2)			2037.7	189.3				

NORTH 88 DEV. INC.
238-252 Finch Avenue
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I, NATALIE PANDOLFI DECLARE THAT I HAVE REVIEWED AND TAKEN DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF **FN DESIGN LTD.** UNDER DIVISION C, PART 3, SUBSECTION 3.2.4 OF THE BUILDING CODE. I AM QUALIFIED AND THE FIRM IS REGISTERED IN THE APPROPRIATE CLASSES / CATEGORIES.
QUALIFIED DESIGNER BCIN: 41549
FIRM BCIN: 26995
DATE:

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client
NORTH 88 DEV. INC.

project
238-252 Finch Avenue East

location
Toronto

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FN design
Imagine • Inspire • Create

model
TH2003

scale
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11097

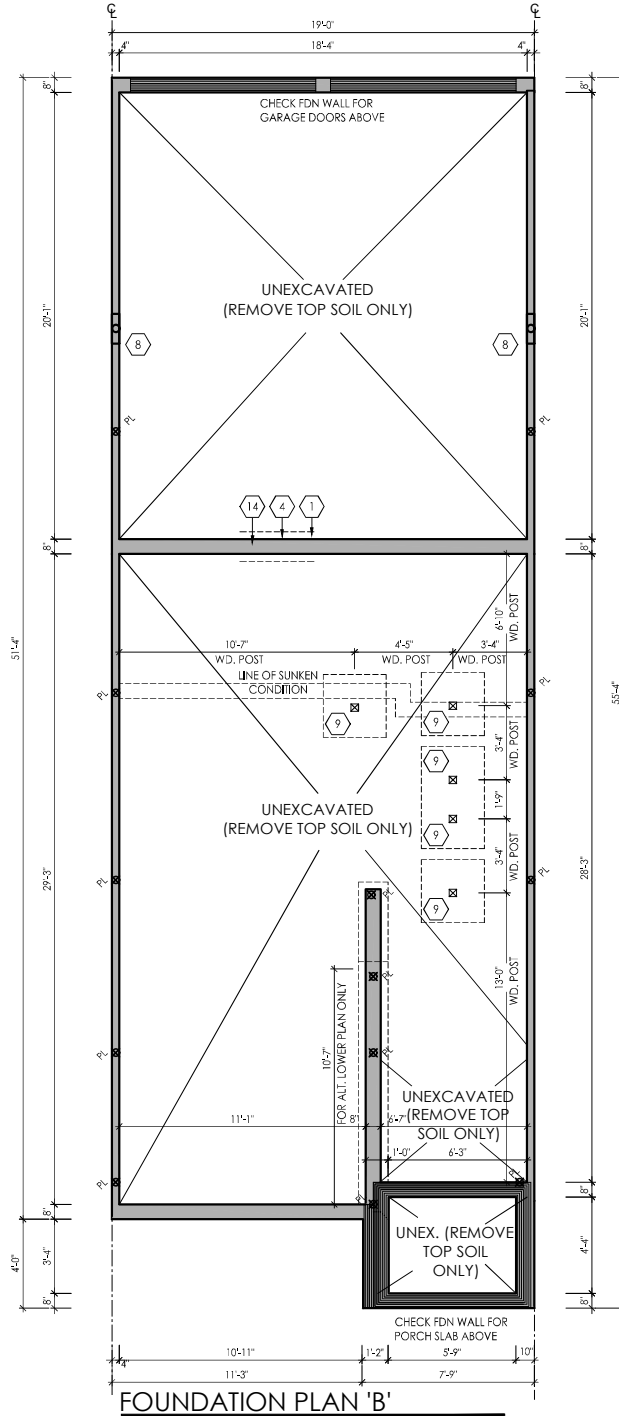
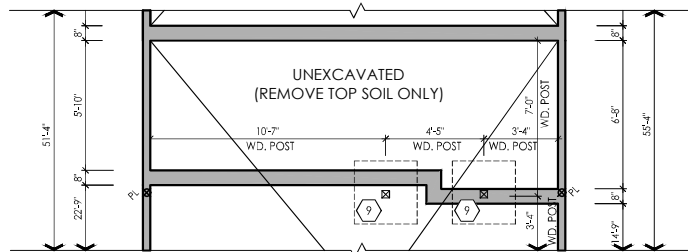
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2	REVISED AS PER FLOOR COORDINATION	24-Jul-14	sd	y	6	REVISED AS PER LOWER FLOOR 'B'	12-Nov-14	haz	np
3	REVISED AS PER TRUSS COORDINATION	25/09/2014	sv	y	7	REVISED AS PER FLOORING MANUF. REQUEST	18-Jun-15	y	np
4	REV. PER ENGINEER COMMENTS	17-Sep-14	np	np	8	REVISED AS PER ENG. COMMENTS	25-Nov-15	sv	y



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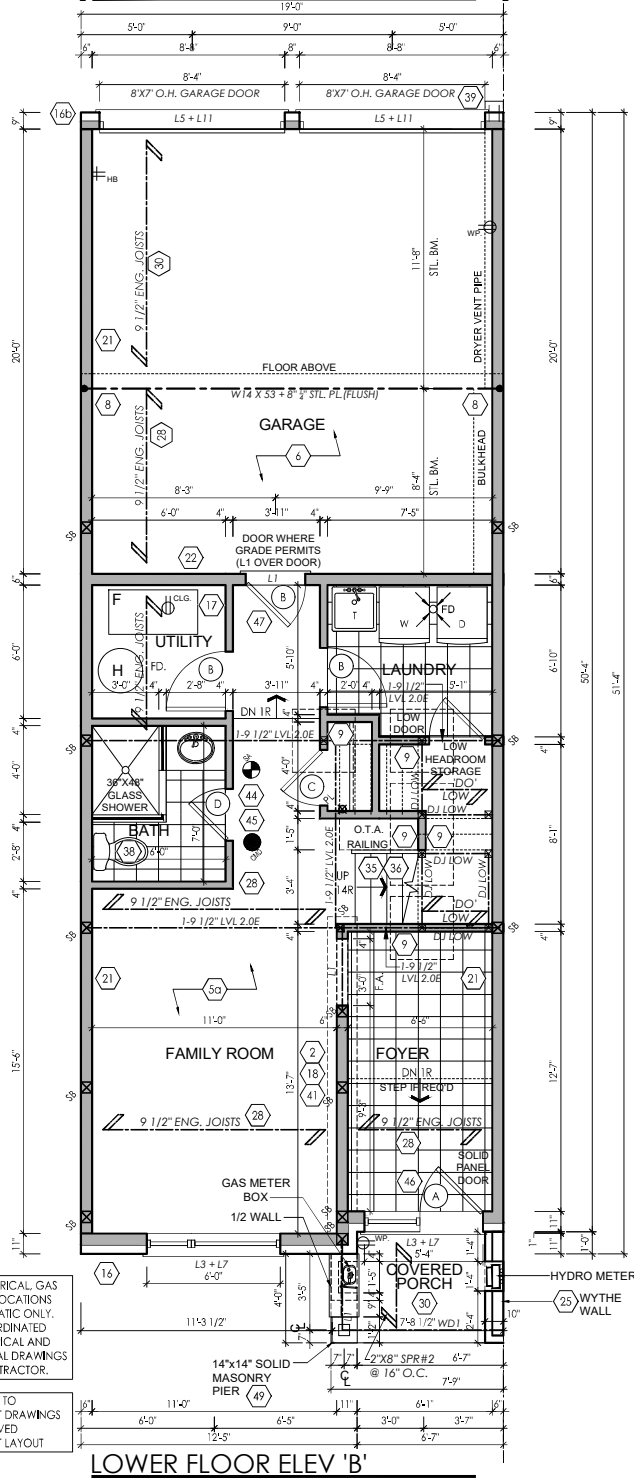
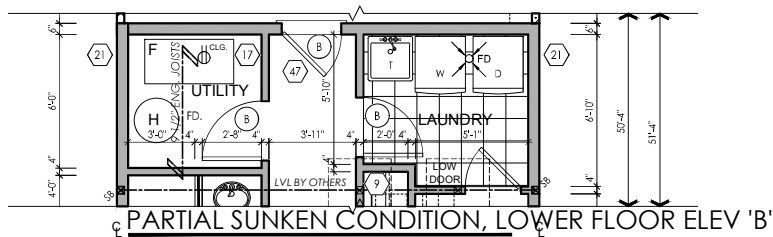
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NOTE: ELECTRICAL, GAS AND VENT LOCATIONS ARE SCHEMATIC ONLY. TO BE COORDINATED WITH ELECTRICAL AND MECHANICAL DRAWINGS BY THE CONTRACTOR.

NOTE: REFER TO FLOOR JOIST DRAWINGS FOR APPROVED FLOOR JOIST LAYOUT

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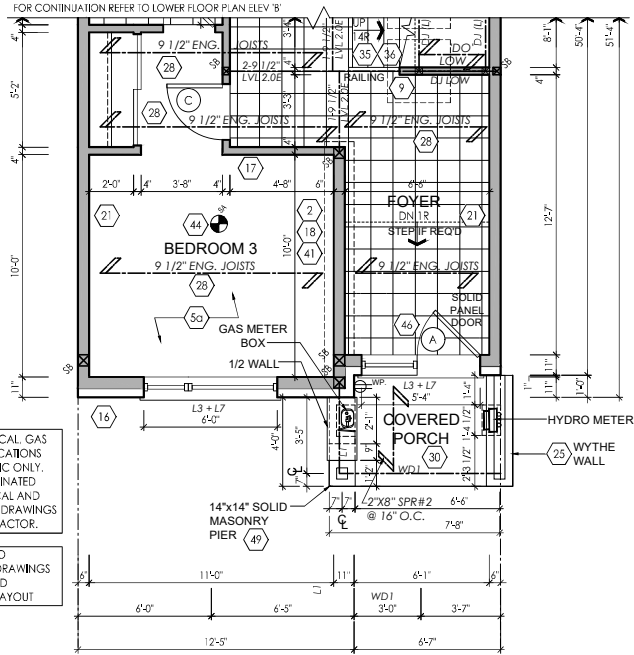
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PARTIAL ALT. BEDROOM
LOWER FLOOR ELEV 'B'

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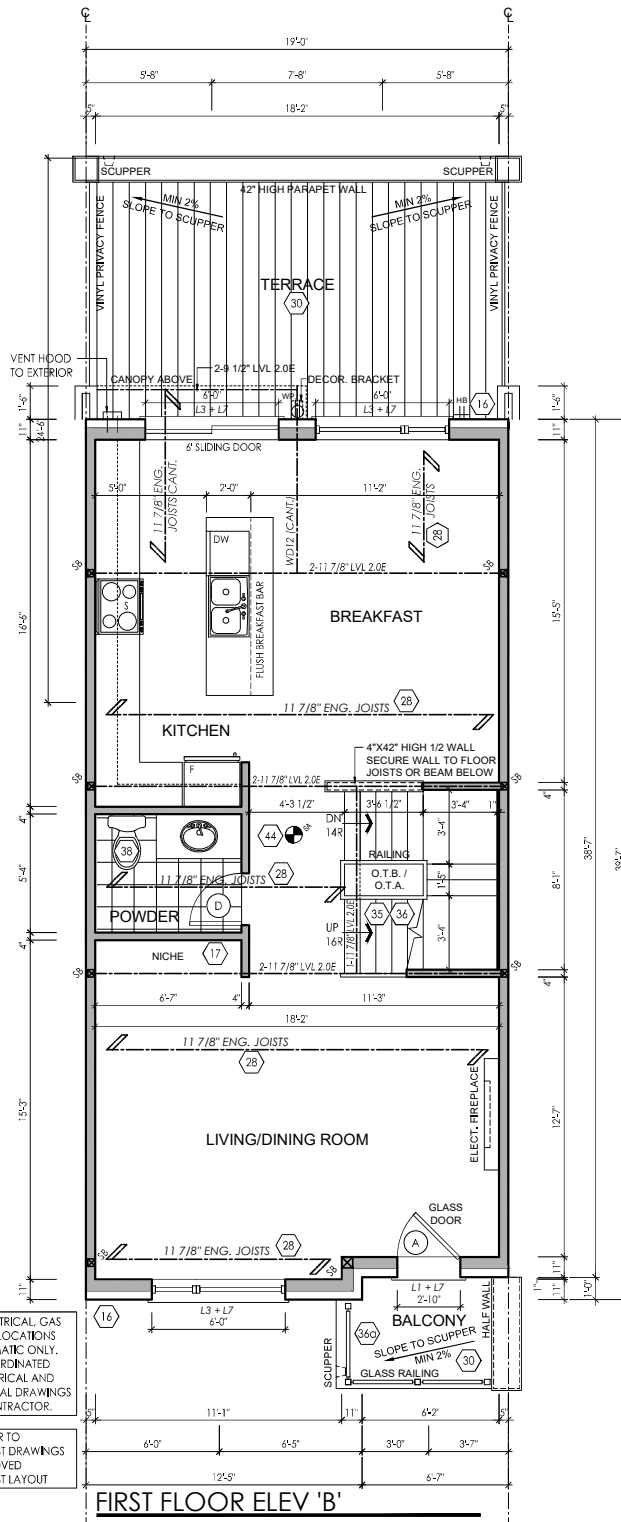
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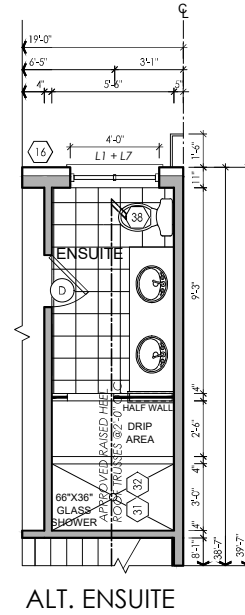
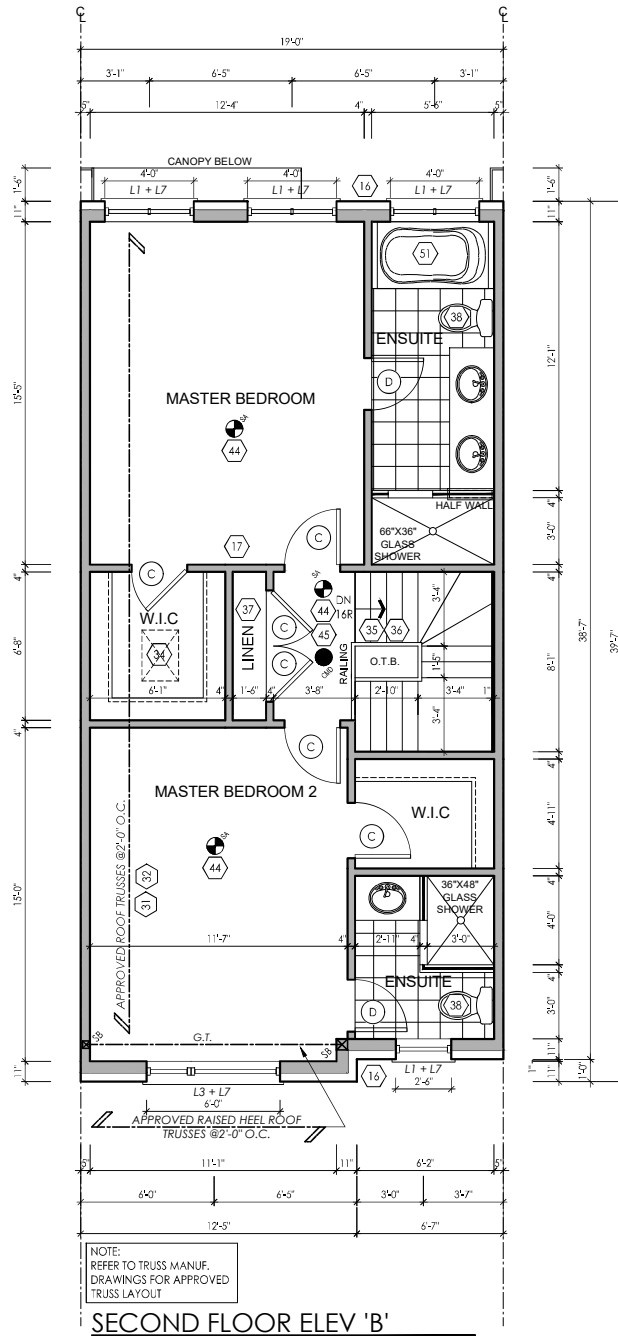
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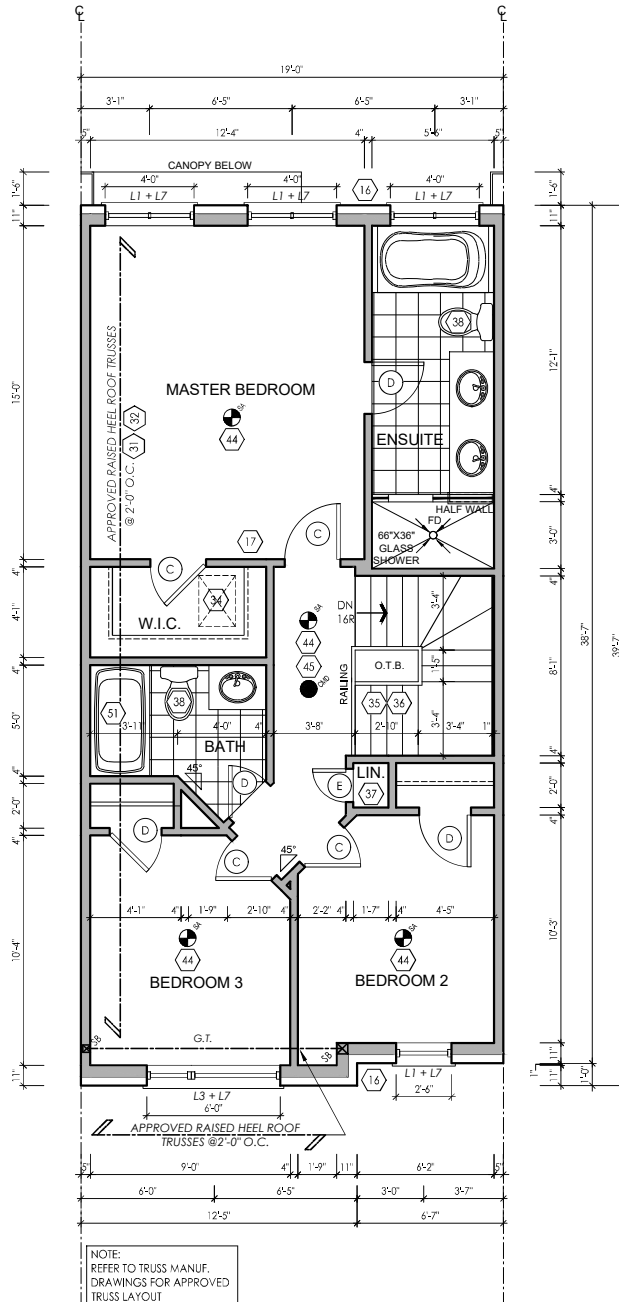
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ALT. BEDROOM
SECOND FLOOR ELEV 'B'

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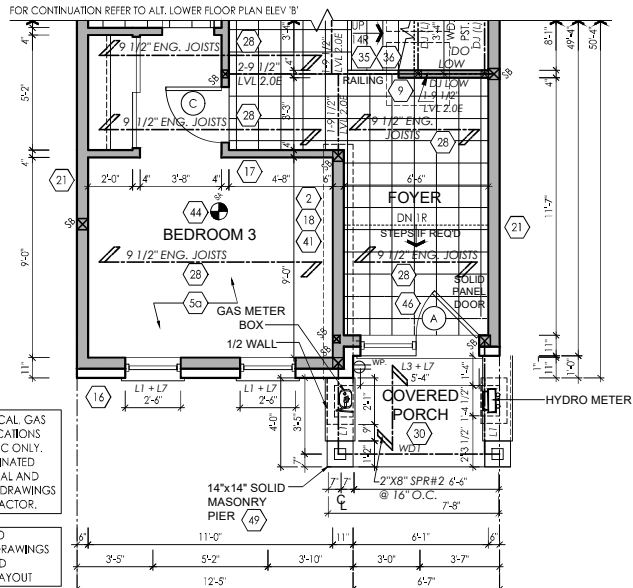
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A6



PARTIAL ALT. BEDROOM
LOWER FLOOR ELEV 'C' & 'D'

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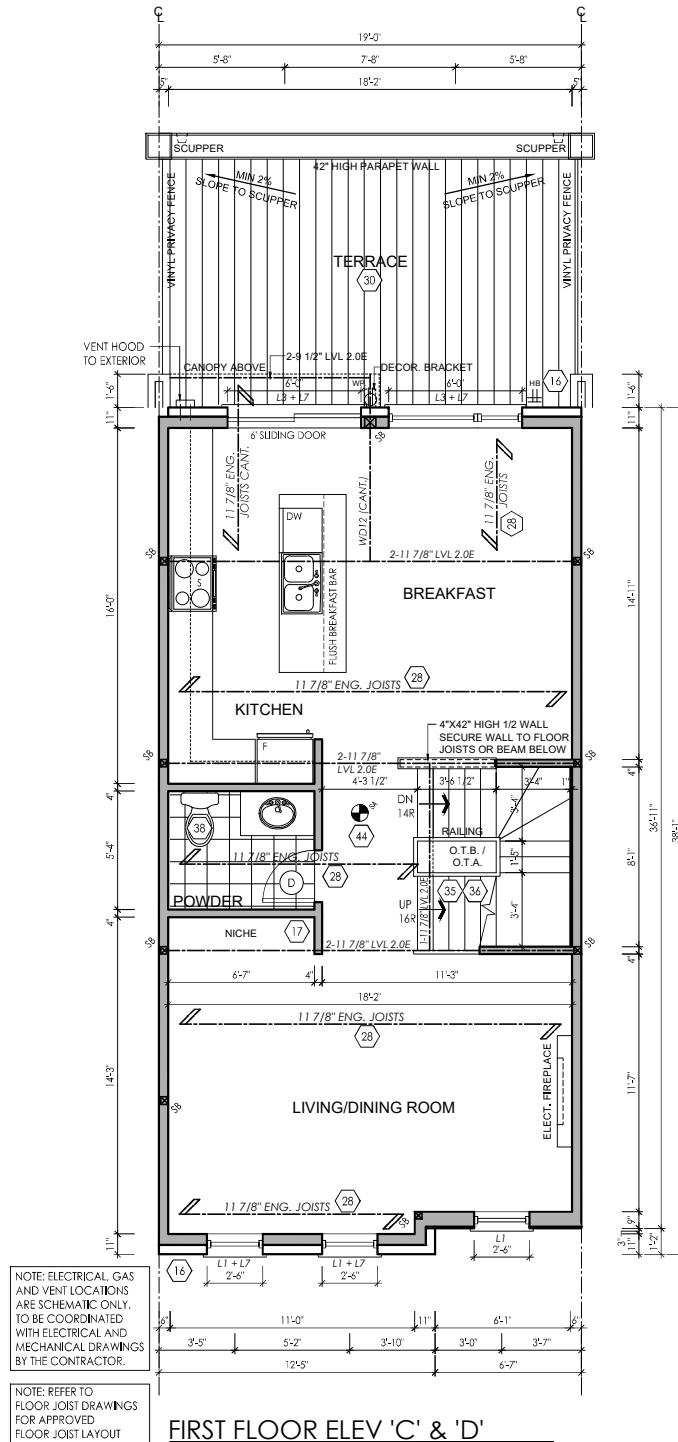
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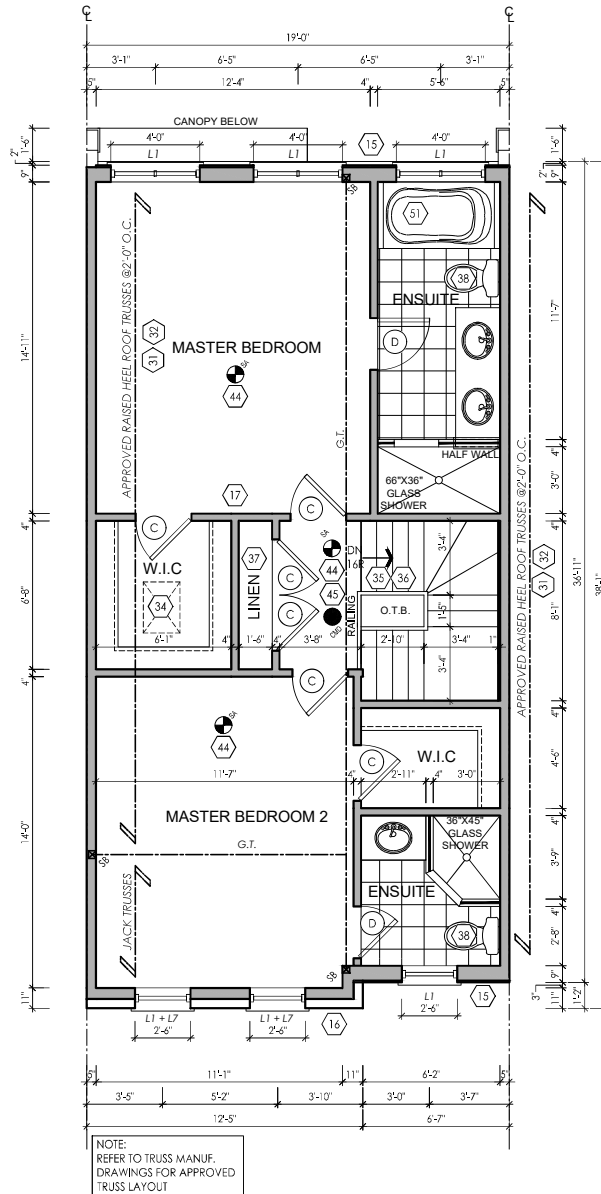
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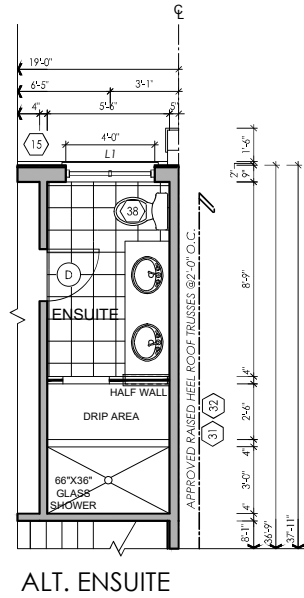
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A9



SECOND FLOOR ELEV 'C' & 'D'



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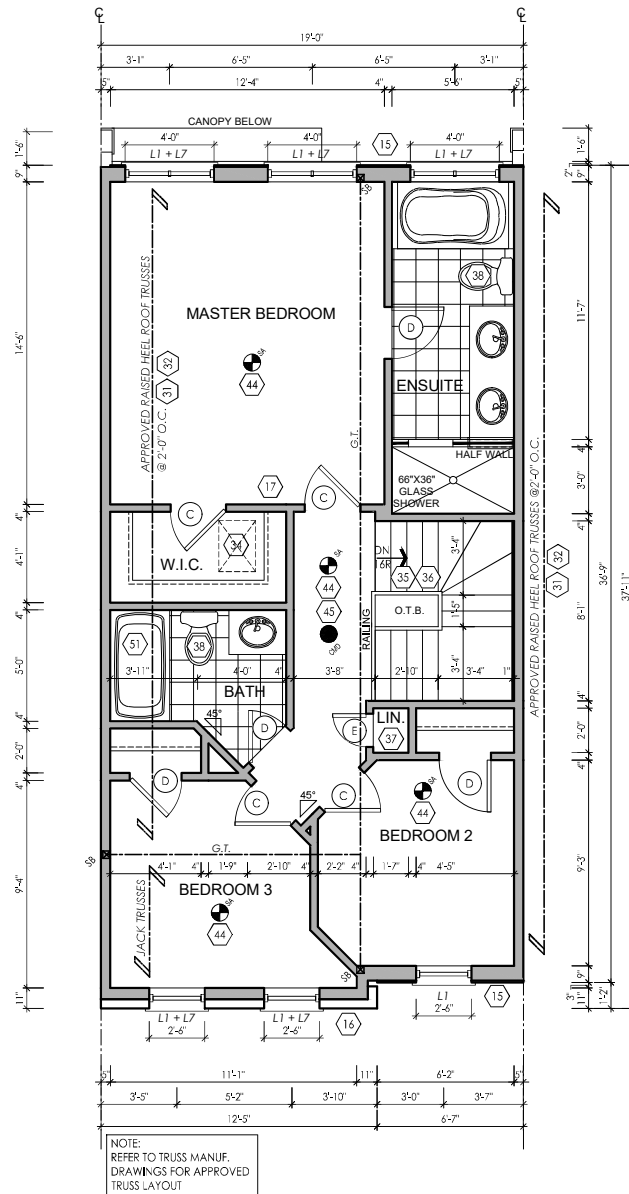
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A10



ALT. BEDROOM
SECOND FLOOR ELEV 'C' & 'D'

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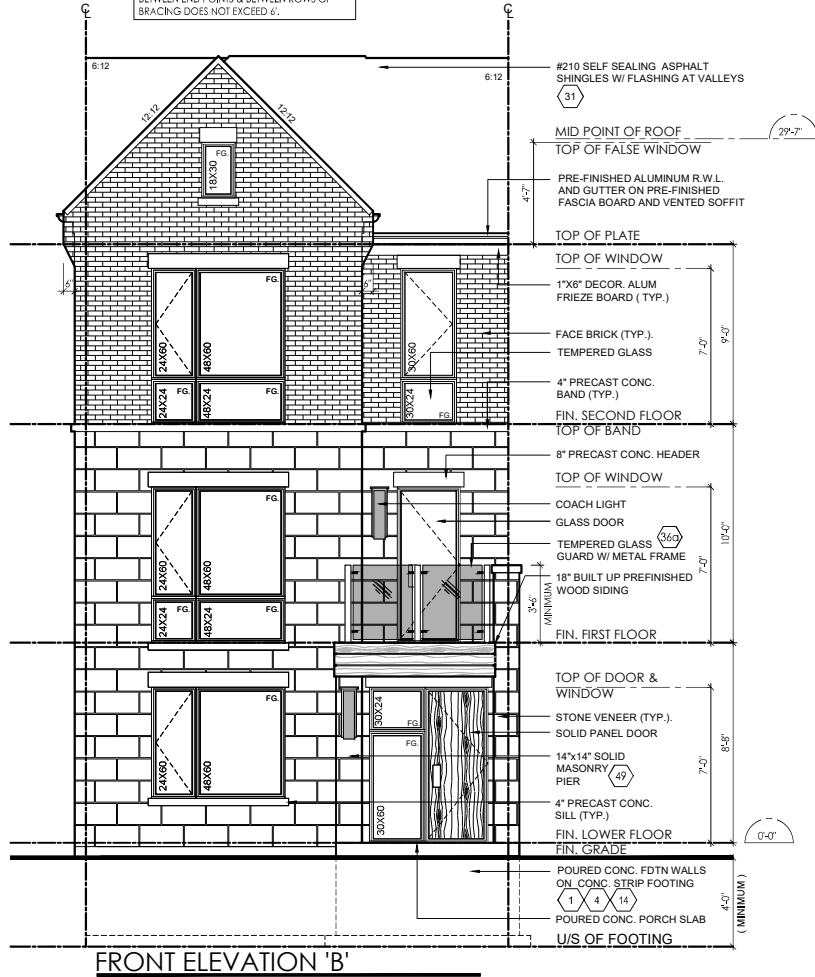
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NOTE: ALL CONVENTIONAL ROOF FRAMING TO CONFORM TO PART 9 OF THE OBC. ROOF RAFTERS THAT MEET OR CROSS OVER TRUSSES ARE TO BE 2"x4" SPF @ 24" O.C. WITH A 2"x4" SPF VERTICAL POST TO THE TRUSS UNDER, AT EACH CROSS POINT. POSTS LONGER THAN 6' TO BE LATERALLY BRACED SO THAT THE DISTANCE BETWEEN END POINTS & BETWEEN ROWS OF BRACING DOES NOT EXCEED 6'.

NOTE: REFER TO TRUSS DRAWINGS FOR APPROVED TRUSS LAYOUT

GROSS GLAZING AREA

TOTAL PERIPHERAL WALL AREA	3226.71 sf	296.76 m ²
FRONT GLAZING AREA	141.39 sf	13.14 m ²
REAR GLAZING AREA	94.26 sf	8.76 m ²
TOTAL GLAZING AREA	235.65 sf	21.89 m ²
TOTAL GLAZING PERCENTAGE	7.30 %	



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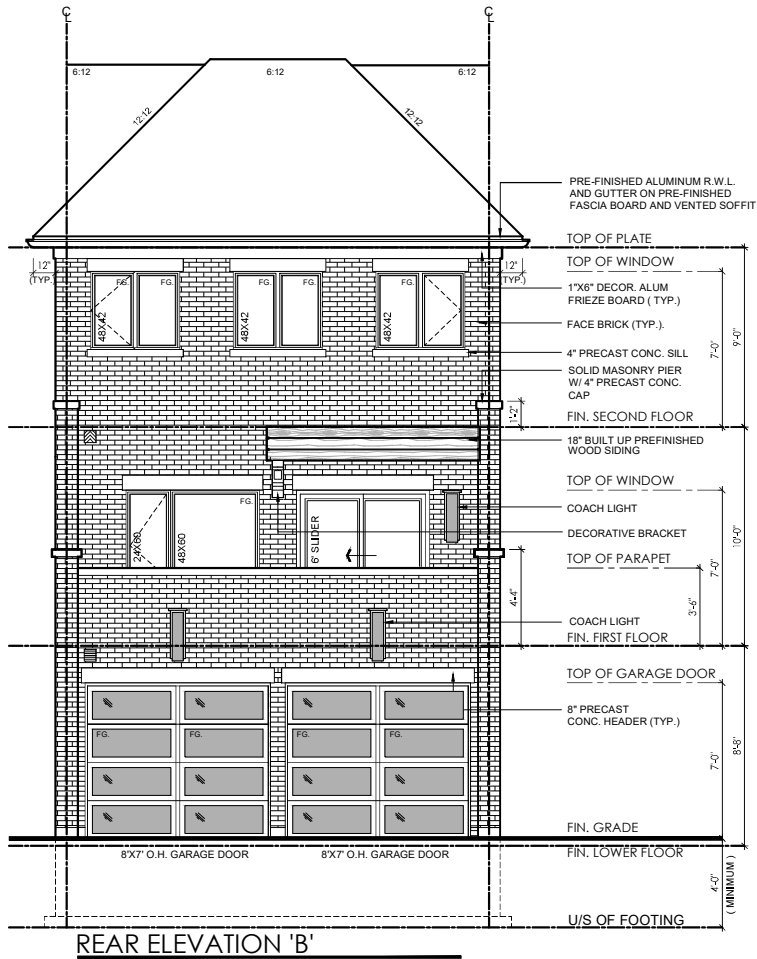
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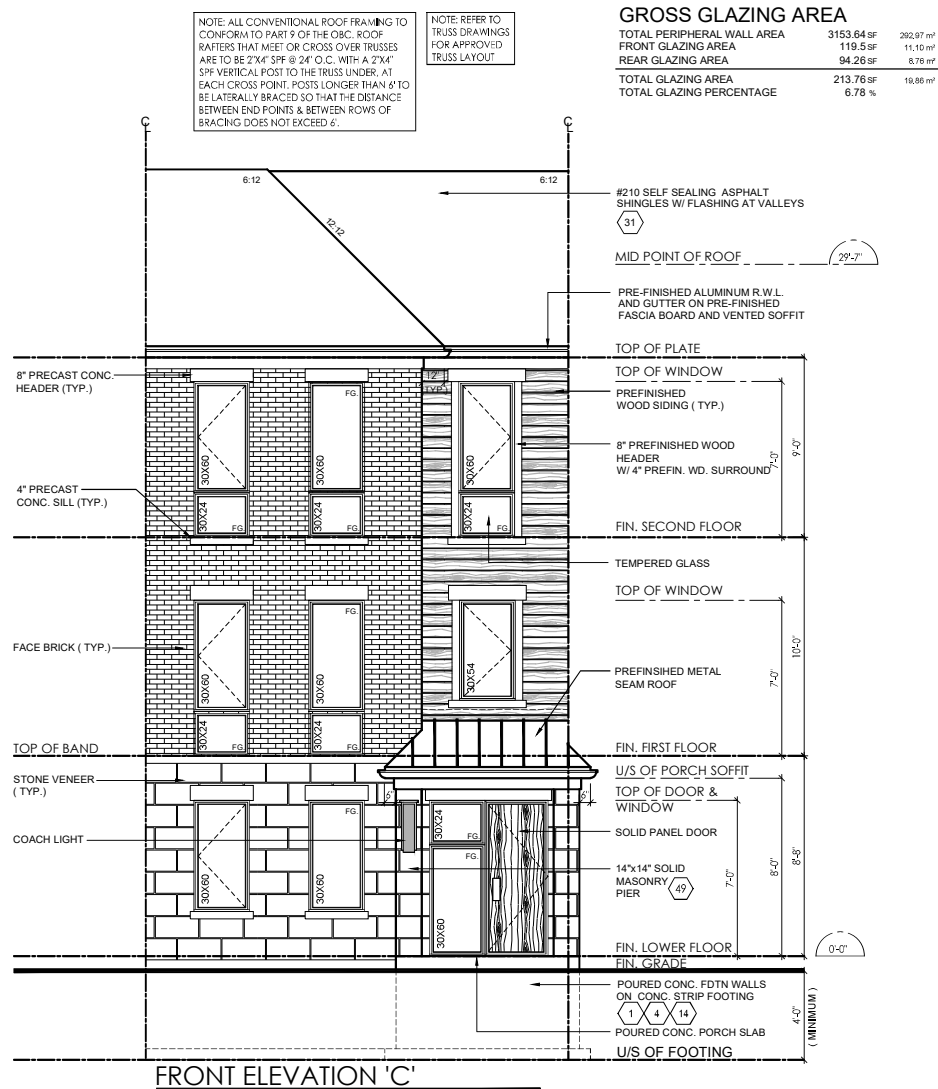
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QUALIFIED DESIGNER BCIN: 41549
 FRM BCIN: 26995
 DATE:

SIGNATURE:

client
 NORTH 88 DEV. INC.

project
 238-252 Finch Avenue East

#	revisions	date	dwn	chk	#	revisions	date	dwn	chk
1	ISSUED FOR REVIEW	10/03/2014	F	np	5				
2	REVISED AS PER FLOORING MANUF. REQUEST	18-Jun-15	F	np	6				
3					7				
4					8				

location
 Toronto

marketing name
 ORCHID

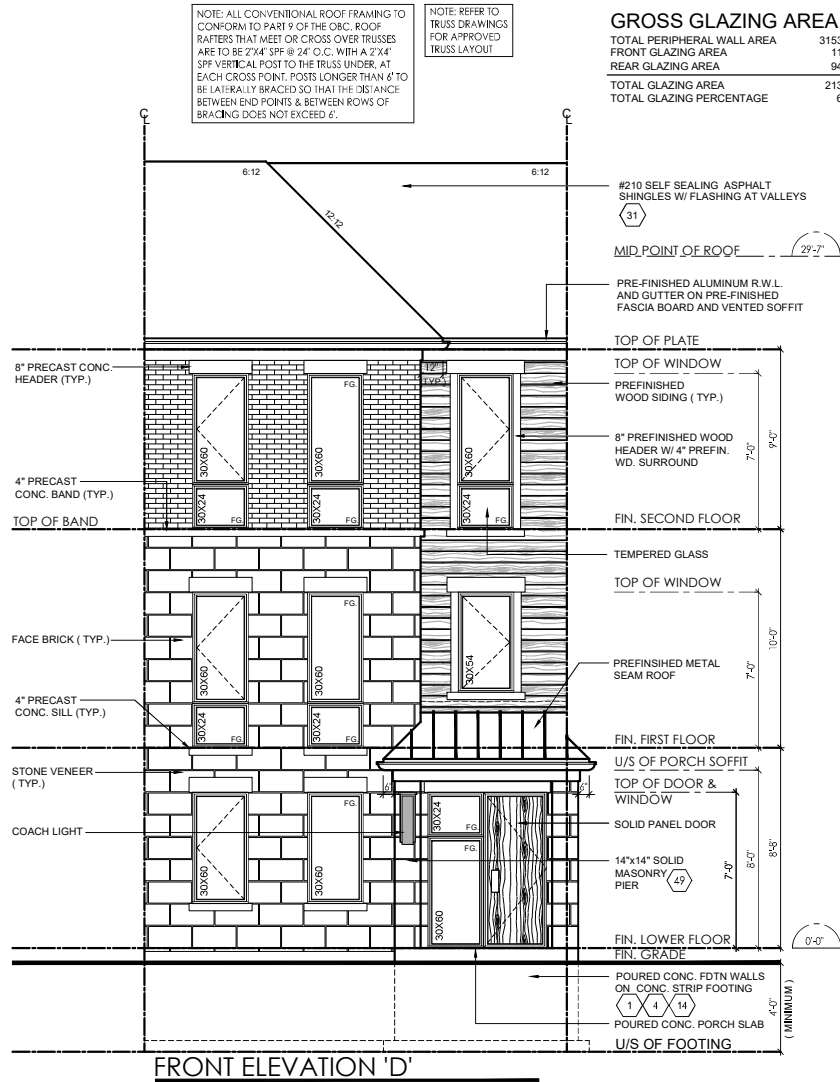


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CONSTRUCTION SET

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location
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marketing name
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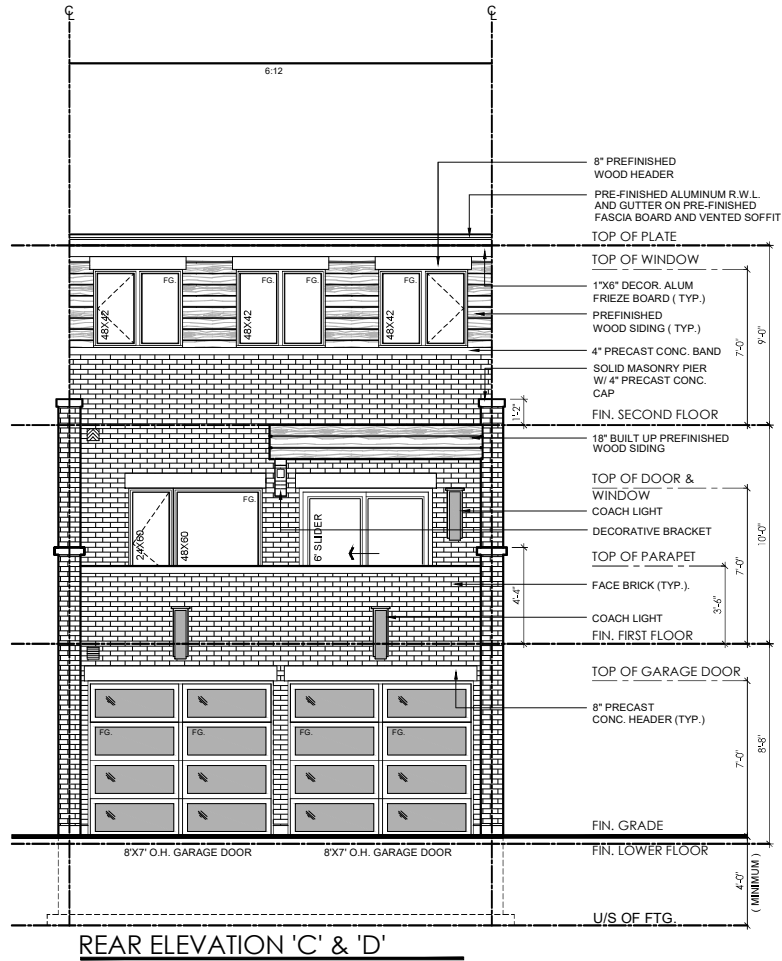
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11097

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A15



CONSTRUCTION SET

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location
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ORCHID



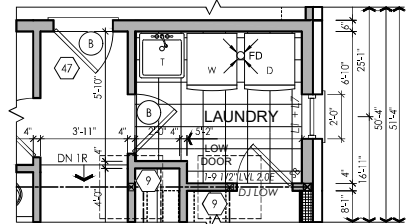
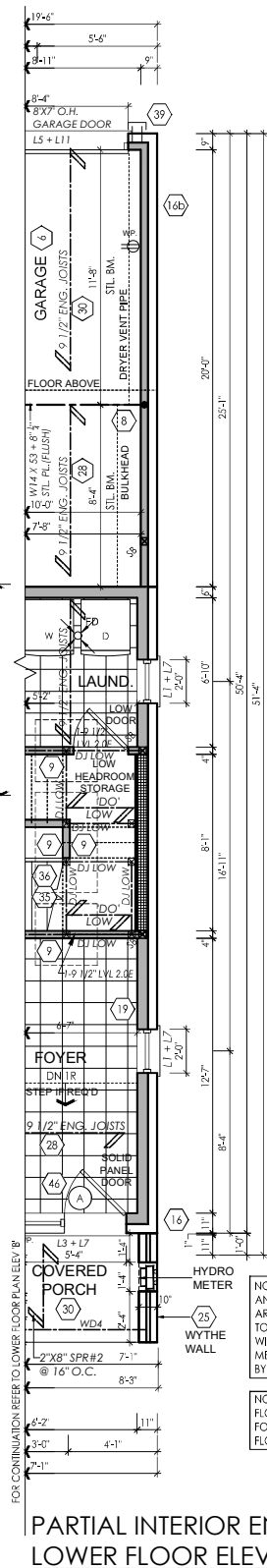
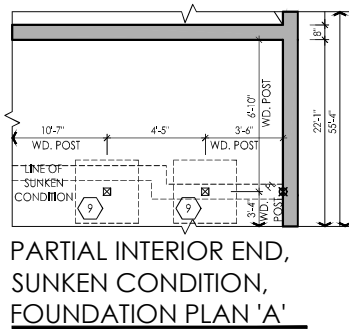
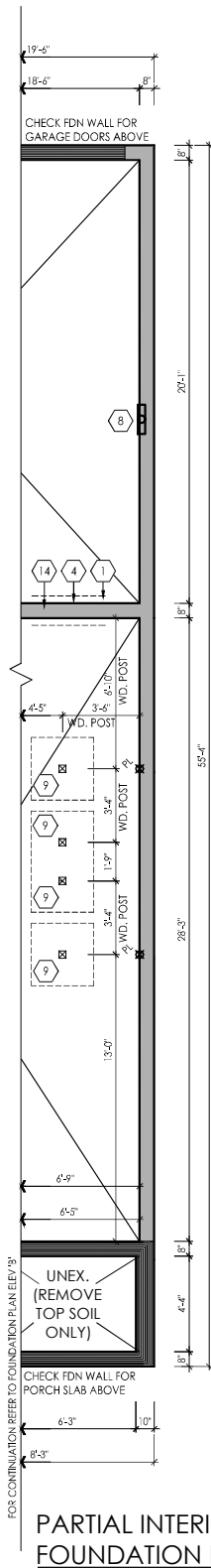
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PARTIAL INTERIOR END
SUNKEN CONDITION,
LOWER FLOOR ELEV 'A'

CONSTRUCTION SET

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Toronto

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FIN design
Imagine • Inspire • Create

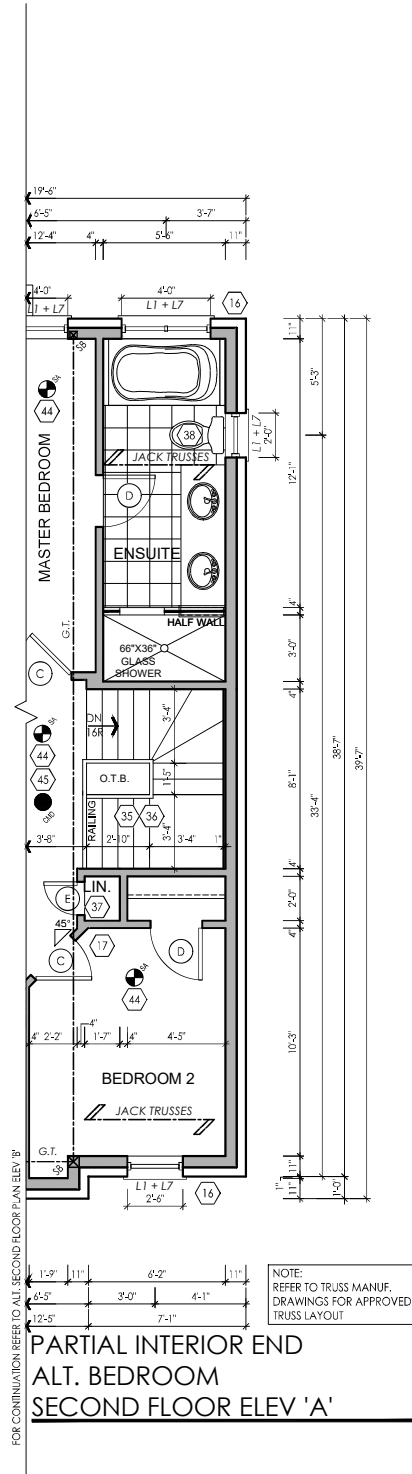
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1	ISSUED FOR REVIEW	10/03/2014	f	rp	5				
2	REVISED AS PER TRUSS COORDINATION	25/08/2014	pv	f	6				
3	REVISED AS PER ENG. COMMENTS	25-Nov-15	pv	f	7				
4					8				

NOTE: ELECTRICAL, GAS
AND VENT LOCATIONS
ARE SCHEMATIC ONLY.
TO BE COORDINATED
WITH ELECTRICAL AND
MECHANICAL DRAWING
BY THE CONTRACTOR.

NOTE: REFER TO
FLOOR JOIST DRAWINGS
FOR APPROVED
FLOOR JOIST LAYOUT



CONSTRUCTION SET

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client NORTH 88 DEV. INC.				location Toronto			
project 238-252 Finch Avenue East				marketing name ORCHID			
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2	REVISED AS PER TRUSS COORDINATION	25/08/2014	pn	F	6		
3	REVISED AS PER ENG. COMMENTS	25-Nov-15	pn	F	7		
4					8		



model
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CONSTRUCTION SET

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location
Toronto

marketing name
ORCHID



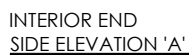
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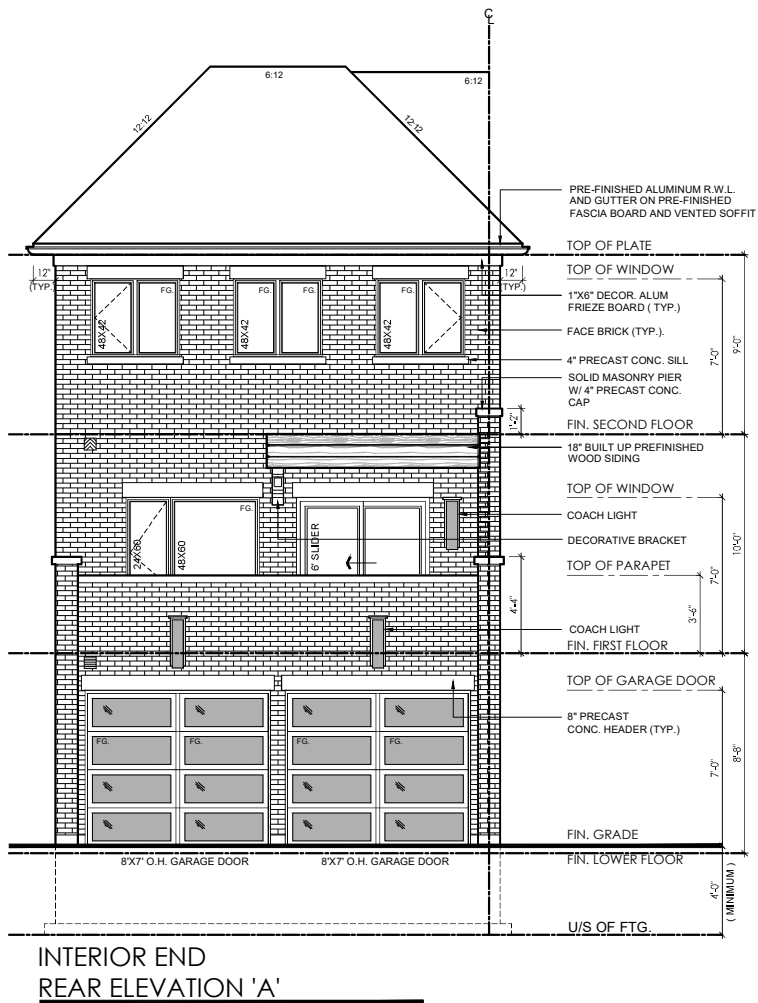
A20



ALLOWABLE UNPROTECTED OPENINGS	
TOTAL WALL AREA	1165 SF
LIMITING DISTANCE	4.0 FT
ALLOWABLE OPENINGS	81.55 SF
ACTUAL OPENINGS	21.09 SF

CONSTRUCTION SET

[illegible]



CONSTRUCTION SET

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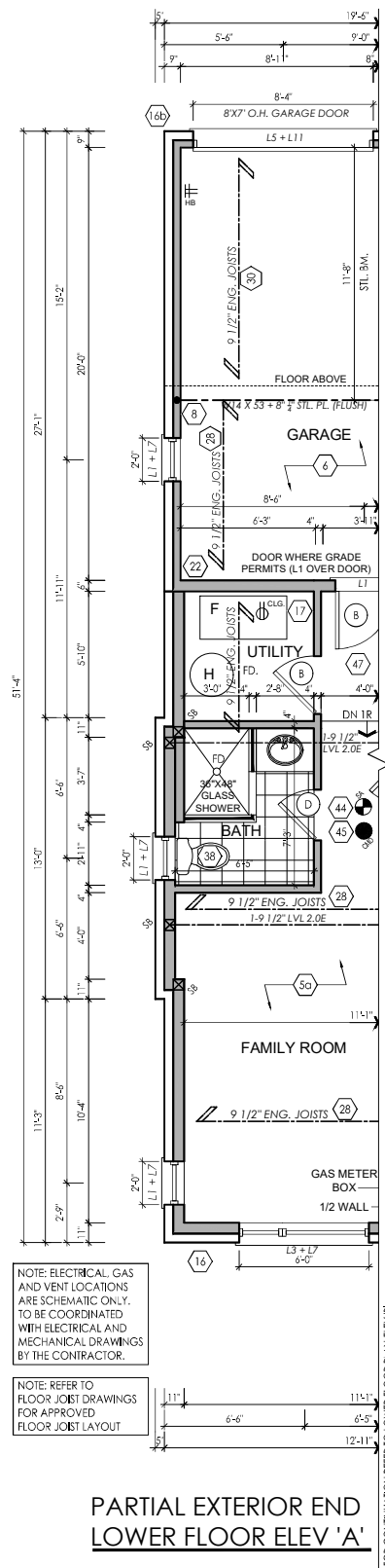
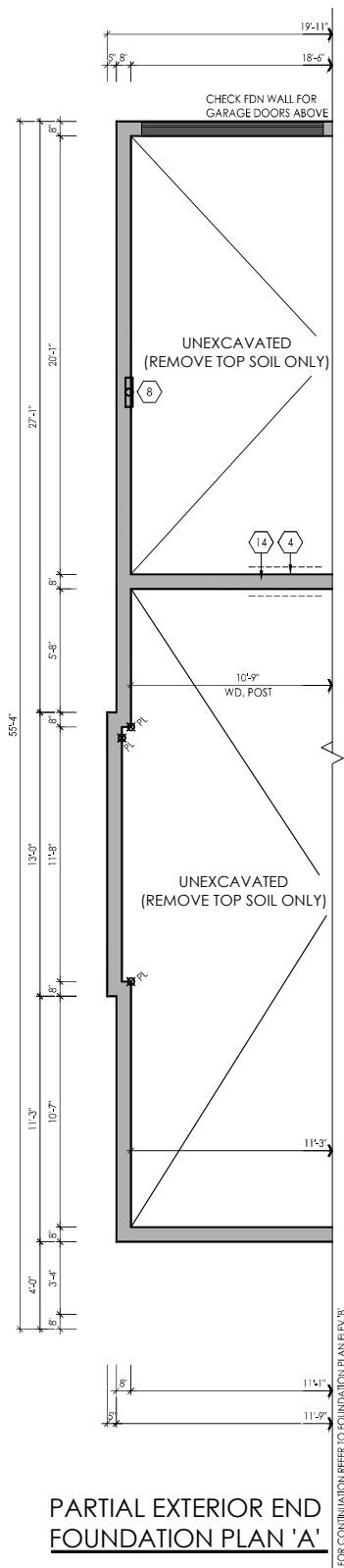
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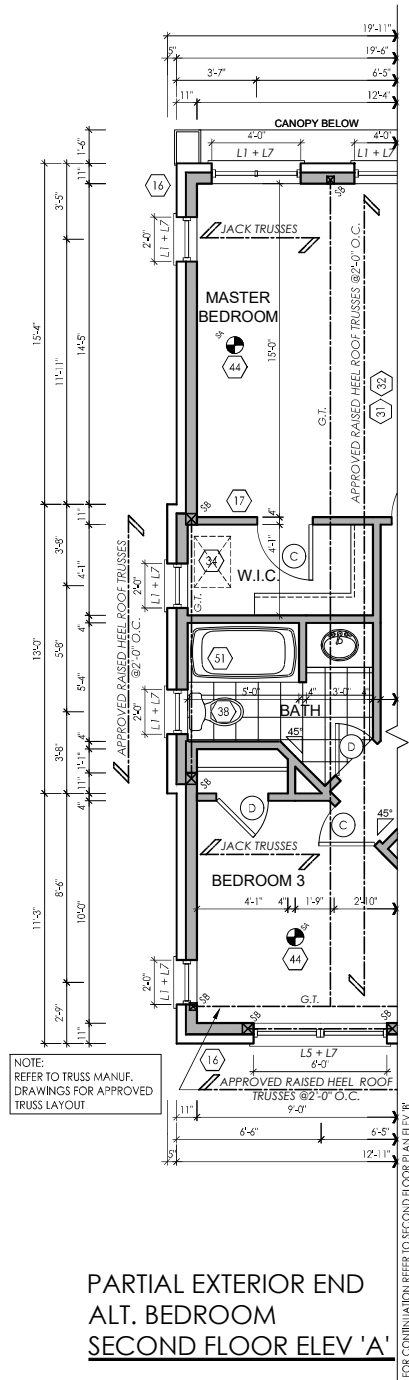
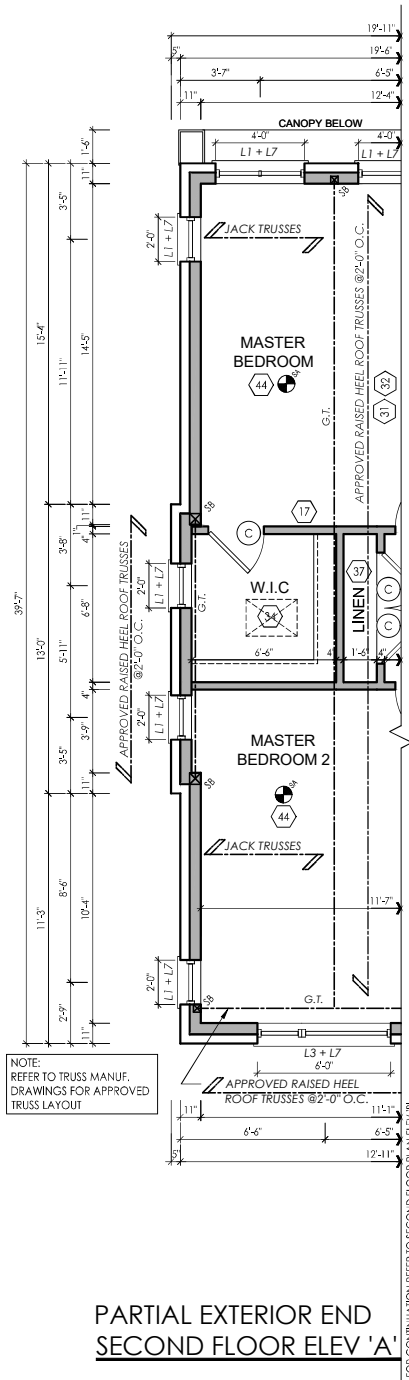
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1	ISSUED FOR REVIEW	10/03/2014	f	nd	5				
2	REVISED AS PER TRUSS COORDINATION	25/08/2014	dv	f	6				
3	REVISED AS PER ENG. COMMENTS	25-Nov-15	dv	f	7				
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project #
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CONSTRUCTION SET

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Toronto

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NOTE: ALL CONVENTIONAL ROOF FRAMING TO CONFORM TO PART 9 OF THE OBC. ROOF RARTERS THAT MEET OR CROSS OVER TRUSSES ARE TO BE 2"x4" SPF @ 24" O.C. WITH A 2"x4" SPF VERTICAL POST TO THE TRUSS UNDER, AT EACH CROSS POINT. POSTS LONGER THAN 6' TO BE LATERALLY BRACED SO THAT THE DISTANCE BETWEEN END POINTS & BETWEEN ROWS OF BRACING DOES NOT EXCEED 6'.

NOTE: REFER TO TRUSS DRAWINGS FOR APPROVED TRUSS LAYOUT

GROSS GLAZING AREA

TOTAL PERIPHERAL WALL AREA	3278.71 SF	304.59 m ²
FRONT GLAZING AREA	140.14 SF	13.02 m ²
LEFT SIDE GLAZING AREA	72.56 SF	6.74 m ²
RIGHT SIDE GLAZING AREA	0 SF	0.00 m ²
REAR GLAZING AREA	92.87 SF	8.63 m ²
TOTAL GLAZING AREA	305.57 SF	28.39 m ²
TOTAL GLAZING PERCENTAGE	9.32 %	



EXTERIOR END
FRONT ELEVATION 'A'

CONSTRUCTION SET

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Toronto

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ALLOWABLE UNPROTECTED OPENINGS	
TOTAL WALL AREA	1268 SF
LIMITING DISTANCE	4.0 FT
ALLOWABLE OPENINGS	88.76 SF
ACTUAL OPENINGS	74.27 SF

CONSTRUCTION SET

I HEREBY DECLARE THAT I HAVE REVIEWED AND
TAGS, DESIGN, OR OTHER INFORMATION ON
SUBSECTION 2-2 OF THE BILLING CODE. I AM QUALIFIED AND
THE FIRM IS REGISTERED IN THE APPROPRIATE CLASS /
CATEGORIES
QUALIFIED DESIGNER RCIN 41549
FIRM RCIN 26995
DATE: _____
SIGNATURE: _____

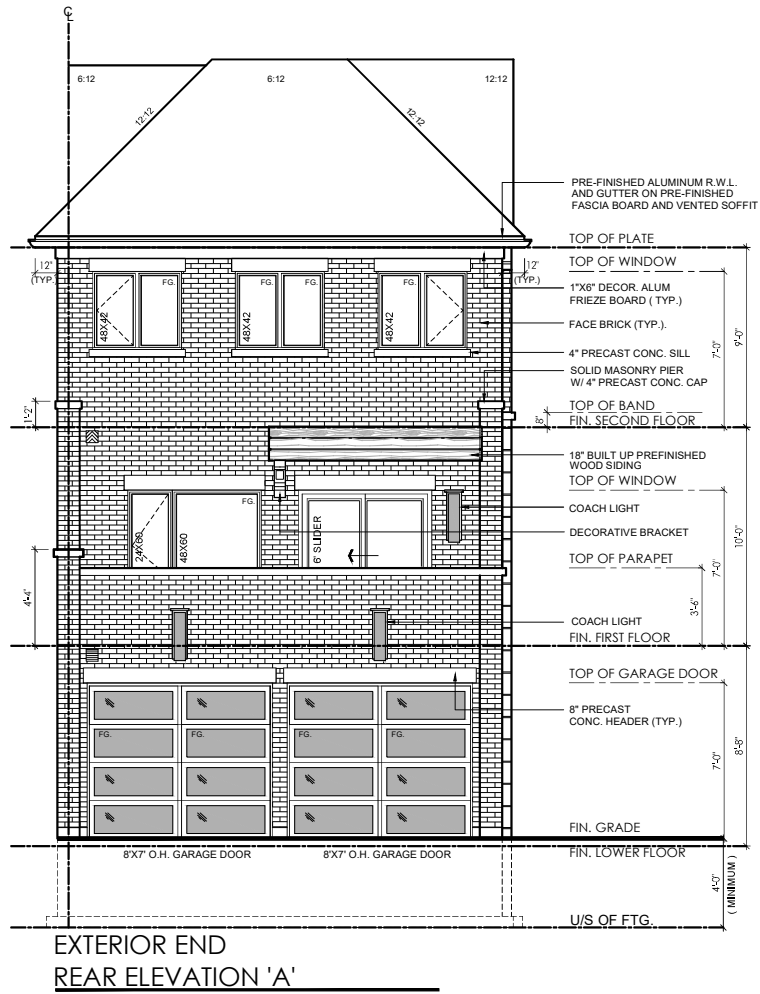
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Images • Layout • Content

A27



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CONSTRUCTION NOTES:

COMPLIANCE PACKAGE J - O.B.C. 2012 - 2014 ENACTMENT

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

FOOTINGS / SLABS:

TYPICAL STRIP FOOTING:

O.B.C. 9.15.3.
-BASED ON 16"-14.9mm MAX. SUPPORTED JOIST LENGTH
-MIN. 2200psi (15MPa) CONCRETE AFTER 28 DAYS
-SHALL REST ON UNDISTURBED SOIL, ROCK OR COMPACTED GRANULAR FILL W/ MIN. 10.9psi (75kPa) BEARING CAPACITY
-FTG. TO HAVE CONTINUOUS KEY
-FTG. SIZES MAY BE REDUCED FOR SOILS W/ GREATER BEARING CAPACITY (AS PER SOILS ENGINEERING REPORT)

1 TYPICAL STRIP FOOTING- (EXTERIOR WALLS)

O.B.C. 9.15.3.5.
-FTG. TO EXTEND MIN. 4'-0" (1200mm) BELOW GRADE
BRICK VENEER -1 STOREY - 13" X 4" (330mm X 100mm)
-2 STOREY - 19" X 6" (485mm X 150mm)
-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 100mm)

2 TYPICAL STRIP FOOTING- (INTERIOR BEARING WALLS)

O.B.C. 9.15.3.6.
-1 STOREY MASONRY - 16" X 4" (410mm X 100mm)
-1 STOREY STUD - 12" X 4" (305mm X 100mm)
-2 STOREY MASONRY - 26" X 9" (650mm X 230mm)
-2 STOREY STUD - 18" X 5" (450mm X 130mm)
-3 STOREY MASONRY - 36" X 14" (900mm X 360mm)
-3 STOREY STUD - 24" X 8" (600mm X 200mm)

3 STEP FOOTING:

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.
-4" (100mm) MIN. DIA. LAID ON UNDISTURBED OR WELL COMPACTED SOIL W/ TOP OF TILE OR PIPE TO BE BELOW BOTTOM OF FLR. SLAB.
-COVER TOP & SIDES OF TILE OR PIPE W/ 5 7/8" (150mm) OF CRUSHED STONE OR OTHER COARSE CLEAN GRANULAR MATERIAL.
-TILE SHALL DRAIN TO A SEWER, DRAINAGE DITCH, OR DRY WELL.

5 BASEMENT SLAB:

O.B.C. 9.13. & 9.16.
-3" (75mm) CONCRETE SLAB - O.B.C. 9.16.4.3.
-2200psi (15MPa) AFTER 28 DAYS - O.B.C. 9.16.4.5.
-DAMP-PROOF BELOW SLAB W/ MIN. 0.006" (0.15mm) POLYETHYLENE OR TYPE 'S' ROLL ROOFING W/ 4" (100mm) LAPPED JOINTS.
-DAMP-PROOFING MAY BE OMITTED IF CONCRETE HAS MIN. 3400psi (25MPa) COMPRESSIVE STRENGTH AFTER 28 DAYS
-4" (100mm) OF COARSE GRANULAR MATERIAL
-PROVIDE BOND BREAKING MATERIAL BETWEEN SLAB & FTG.
-WHERE SLAB IS REQUIRED TO BE WATERPROOFED IT SHALL CONFORM TO O.B.C. 9.13.3.
-FLOOR DRAIN PER O.B.C. 9.31.4.4.
-R10 (RS1 1.76) INSULATION AT PERIMETER OF SLAB WHERE GRADE IS WITHIN 23-1/2" (600mm) OF BASEMENT SLAB EDGE. INSULATION TO EXTEND TO NOT LESS THAN 23-1/2" (600mm) BELOW EXTERIOR GRADE LEVEL [O.B.C. 9.13.2 - 2.1.1.4 (8)]
-UNLESS IT CAN BE DEMONSTRATED THAT SOIL GAS DOES NOT CONSTITUTE A PROBLEM, SOIL GAS CONTROL SHALL CONFIRM TO SUPPLEMENTARY STANDARD [O.B.C. 9.13.9]

5a SLAB ON GROUND:

O.B.C. 9.13. & 9.16.
-3" (75mm) CONCRETE SLAB - O.B.C. 9.16.4.3.
-2200psi (15MPa) AFTER 28 DAYS - O.B.C. 9.16.4.5.
-DAMP-PROOF BELOW SLAB W/ MIN. 0.006" (0.15mm) POLYETHYLENE OR TYPE 'S' ROLL ROOFING W/ 4" (100mm) LAPPED JOINTS.
-DAMP-PROOFING MAY BE OMITTED IF CONCRETE HAS MIN. 3400psi (25MPa) COMPRESSIVE STRENGTH AFTER 28 DAYS
-R10 (RS1 1.76) INSULATION UNDER ENTIRE SLAB WHERE THE ENTIRE SLAB IS WITHIN 23-1/2" (600mm) OF GRADE.
-4" (100mm) OF COARSE GRANULAR MATERIAL
-PROVIDE BOND BREAKING MATERIAL BETWEEN SLAB & FTG.
-WHERE SLAB IS REQUIRED TO BE WATERPROOFED IT SHALL CONFORM TO O.B.C. 9.13.3.
-FLOOR DRAIN PER O.B.C. 9.31.4.4.
-UNLESS IT CAN BE DEMONSTRATED THAT SOIL GAS DOES NOT CONSTITUTE A PROBLEM, SOIL GAS CONTROL SHALL CONFIRM TO SUPPLEMENTARY STANDARD [O.B.C. 9.13.9]

6 GARAGE SLAB / EXTERIOR SLAB:

O.B.C. 9.13.3.
-4" (100mm) CONCRETE SLAB
-4650psi (32MPa) COMPRESSIVE STRENGTH AFTER 28 DAYS FOR UNREINFORCED CONC. & W/ 5-8% AIR ENTRAINMENT - O.B.C. 9.31.6.
-6" X 6" (W2.9 X W 2.9) WIRE MESH LOCATED NEAR MID-DEPTH OF SLAB
-4" (100mm) OF COARSE GRANULAR MATERIAL
-ANY FILL PLACED UNDER SLAB, OTHER THAN COARSE CLEAN GRANULAR MATERIAL, SHALL BE COMPACTED.

7 PLASTER:

O.B.C. 9.15.5.3.
-PLASTER
-CONCRETE NIB - 4" X 12" (100mm X 300mm)
-BLOCK NIB - 4" X 12" (100mm X 300mm) BONDED & TIED TO WALL AS PER O.B.C. 9.20.11.2. TOP 7/8" (200mm) SOLID.
OR
-BEAM POCKET
-4" (100mm) INTO FDN. WALL W/ WIDTH TO MATCH BEAM SIZE.
-1/2" (13mm) SPACE AROUND WOOD BEAMS [O.B.C. 9.23.2.2]

STRUCTURAL COLUMNS:

-SIZES BASED ON COLUMN SUPPORTING BEAMS CARRYING LOADS FROM NOT MORE THAN 2 WOOD FRAME FLOORS, WHERE THE LENGTHS OF JOISTS CARRIED BY SUCH BEAMS DO NOT EXCEED 16'-1" (4.9m) AND THE LIVE LOAD ON ANY FLOOR DOES NOT EXCEED 50psf (2.4kPa).

8 STEEL PIPE COLUMN:

O.B.C. 9.15.3.4. & 9.17.3.
-FIXED COLUMN
-MIN. 3 1/2" (90mm) DIA. W/ 3/16" (4.76mm) WALL THICKNESS
-FOR STEEL BEAMS, CLIPS @ TOP & MIN. 6" X 4" X 1/4" (152mm X 100mm X 6.35mm) STEEL BTM. PLATE
-FOR WOOD BEAMS, MIN. 4"X4"X1/4" (100mm X 100mm X 6.35mm) STEEL TOP & BTM. PLATES, OR TOP PLATE TO EXTEND MIN. WIDTH OF BEAM
-ADJUSTABLE COLUMN TO CONFORM TO CAN/CSA-S16-24W WHERE IMPOSED LOAD DOES NOT EXCEED 36 kN [O.B.C. 9.17.3.4]
COL. SPACING: FT SIZE:
-1 STOREY
-MAX. 9'-10" (2997mm)
-MAX. 16'-0" (4880mm)
3 STOREY
-MAX. 9'-10" (2997mm)
-MAX. 16'-0" (4880mm)
-WHERE COL. SITS ON FDN. WALL, USE 4" X 8" X 5/8" (100mm X 200mm X 16mm) STEEL PLATE WITH 2-5/8" (16mm) ANCHOR BOLTS

9 WOOD COLUMN:

O.B.C. 9.17.4.1.
-5 1/2" X 5 1/2" (140mm X 140mm) SOLID WOOD COLUMN.
-METAL SHOE ANCHORED TO FOOTING
-25" X 25" X 12" (640mm X 640mm X 300mm) CONC. PAD (1 FLOOR SUPPORTED W/ 9'-10" COL. SPACING)
-34" X 34" X 14" (860mm X 860mm X 360mm) CONC. PAD (2 FLOORS SUPPORTED W/ 9'-10" COL. SPACING)

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

-2"x8"x12" LEDGER BOARD FASTENED W/ 2/1 1/2" ANCHOR BOLTS @ 4" O.C.
-WHERE WOOD BEAMS BEAR ON RENEWALS USE GENERAL NOTE 11
-WHERE REQUIRED TO OBTAIN S" SEPARATION DISTANCE BETWEEN ADJACENT BEAMS

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" @ x8" ANCHOR BOLTS.

WALL ASSEMBLIES:

14 FOUNDATION WALL:

O.B.C. 9.15.4.2.
-FOR WALLS NOT EXCEEDING 8'-2" (2500mm) IN Laterally SUPPORTED HEIGHT.
-8" (200mm) SOLID 2200psi (15MPa) CONCRETE
-MAX. UNSUPPORTED HEIGHT OF 3'-11" (1200mm) & MAX. SUPPORTED HEIGHT OF 7'-0" (2150mm) MEASURED FROM GRADE TO FINISHED BASEMENT FLOOR.
-FOR WALLS NOT EXCEEDING 9'-0" (2750mm) IN Laterally SUPPORTED HEIGHT.
-10" (250mm) SOLID 2200psi (15MPa) CONCRETE
-MAX. UNSUPPORTED HEIGHT OF 4'-7" (1400mm) & MAX. SUPPORTED HEIGHT OF 8'-6" (2600mm) MEASURED FROM GRADE TO FINISHED BASEMENT FLOOR.
-LATERAL SUPPORT PROVIDED BY ANCHORED STL. PLATE TO JOISTS.
-FOR CONDITIONS EXCEEDING THESE MAXIMUMS AN ALTERNATIVE IN CONFORMANCE TO O.B.C. 19.15.4.1 SHALL BE USED OR IT SHALL BE DESIGNED UNDER O.B.C. - PART 4
-WALL SHALL EXTEND A MIN. 5 7/8" (150mm) ABOVE GRADE
-INSULATE W/ R12 (RS1 2.11) FROM UNDERSIDE OF SUBFLOOR TO NOT MORE THAN 8" (200mm) ABOVE FINISHED FLOOR OF BASEMENT [ZONE 1, O.B.C. T.2.1.1.2.A.]
-BACK FILL W/ NON-FROST SUSCEPTIBLE SOIL

REDUCTION OF THICKNESS:

O.B.C. 9.15.4.7.
-WHERE THE TOP OF THE FOUNDATION WALL IS REDUCED IN THICKNESS TO ALLOW MASONRY FACING, THE MIN. REDUCED THICKNESS SHALL NOT BE LESS THAN 3-1/2" (90mm) THICK.
-TIE TO FACING MATERIAL WITH METAL TIES SPACED MAX. @ 7/8" (200mm) VERTICALLY O.C. & 2'-11" (900mm) HORIZONTALLY.
-FILL SPACE BETWEEN WALL AND FINISHING SOLID W/ MORTAR
-WHERE WALL IS REDUCED FOR JOISTS, THE REDUCED THICKNESS SHALL BE MAX. 13-3/4" (350mm) HIGH & MIN. 3-1/2" (90mm) THICK
DAMP-PROOFING & WATERPROOFING:
-DAMP-PROOF THE EXTERIOR FACE OF WALL BELOW GRADE AS PER O.B.C. 9.13.2.
-WHERE INSULATION EXTENDS TO MORE THAN 4'-9" (1450mm) BELOW GRADE, A FDN. WALL DRAINAGE LAYER SHALL BE PROVIDED IN CONFORMANCE TO O.B.C. 14.2.1.12 (3) [4]
-FINISHED BASEMENTS SHALL HAVE INTERIOR DAMP-PROOFING EXTENDING FROM SLAB TO GRADE LEVEL & SHALL CONFORM TO O.B.C. 9.13.3.3.(3)
-WHERE HYDROSTATIC PRESSURE OCCURS, FDN. WALLS SHALL BE WATERPROOFED AS PER O.B.C. 9.13.3.
-WALLS THAT ARE WATERPROOFED DO NOT REQUIRE DAMP-PROOFING.

14a 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 OF WALL
-BARS TO HAVE MIN. 2" (50mm) CONCRETE COVER
-BARS TO EXTEND 2'-0" (600mm) BEYOND BOTH SIDES OF OPENING.

15 FRAME WALL CONSTRUCTION:

O.B.C. 9.23.
-SIDING OR STUCCO AS PER ELEVATIONS, MIN. 7/8" (200mm) FROM FINISHED GRADE [O.B.C. 9.28.1.4. & 9.27.2].
-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. 9.23.16.
-2" X 6" (38mm X 140mm) WOOD STUDS @ 16" (400mm) O.C.
-MIN. R22 (RS1 3.87) INSULATION [ZONE 1, O.B.C. T.2.1.1.2.A.]
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD
NOTE - SUPPORT FOR 2 + 3 FLOORS ABOVE - O.B.C. T.9.23.10.1. =
-FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mm X 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.

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

O.B.C. S8-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE THE FOLLOWING MATERIALS:
-REPLACE R22 (RS1 3.87) INSULATION WITH R22 (RS1 3.87) ABSORPTIVE INSULATING MATERIAL WITH A MASS OF AT LEAST 4.8 kg/ sq.m.
-REPLACE 1/2" (12.7mm) INTERIOR GYPSUM BOARD WITH 1/2" (12.7mm) TYPE 'X' GYPSUM BOARD.

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-COMBUSTIBLE SIDING 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 1/2" (12.7mm) GYPSUM EXTERIOR SHEATHING WHICH REPLACES EXTERIOR PLYWOOD OR EQUIV.

15a ALTERNATE FRAME WALL CONSTRUCTION:

O.B.C. 9.23.
-SIDING OR STUCCO AS PER ELEVATIONS, MIN. 7/8" (200mm) FROM FINISHED GRADE [O.B.C. 9.28.1.4. & 9.27.2].
-1 1/2" (38mm) R8 (RS1 1.41) RIGID INSULATION W/ TAPED JOINTS [O.B.C. 9.27.3.4]
-BRACE W/ CONT. 16 GAUGE STEEL T BRACES FROM TOP PLATE TO BTM. PLATE FOR THE FULL LENGTH OF WALL, OR CONT. 2" X 4" (38mm X 89mm) SOLID WOOD BLOCKING @ APPROXIMATELY 45 DEG. FROM TOP PLATE TO BTM. PLATE FOR FULL LENGTH OF WALL
-2" X 4" (38mm X 89mm) WOOD STUDS @ 16" (400mm) O.C. @ 12" (300mm) O.C. ON BOTTOM FLR. WHEN 3 STOREYS
-R14 (RS1 2.46) INSULATION [ZONE 1, O.B.C. T.2.1.1.2.A.]
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. - 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD.
NOTE - SUPPORT FOR 2 + 3 FLOORS ABOVE - O.B.C. T.9.23.10.1. =
-FOR 2 FLOORS SUPPORTED ABOVE, 2" X 4" (38mm X 89mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
-FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mm X 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.

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

O.B.C. S8-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS:
-ADD 1/4" (6mm) PLYWOOD [EXTERIOR TYPE] OR EQUIVALENT AS PER O.B.C. 9.23.16. BETWEEN RIGID INSULATION AND WOOD STUD.
-REPLACE R14 (RS1 2.46) INSULATION WITH R14 (RS1 2.46) ABSORPTIVE INSULATING 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.

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-COMBUSTIBLE SIDING 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 ON EXTERIOR SIDE OF RIGID INSULATION

15b FRAME WALL CONSTRUCTION @ GARAGE:

O.B.C. 9.23.
-SIDING OR STUCCO AS PER ELEVATIONS, MIN. 7/8" (200mm) FROM FINISHED GRADE [O.B.C. 9.28.1.4. & 9.27.2].
-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. 9.23.16.
-2" X 4" (38mm X 89mm) WOOD STUDS @ 16" (400mm) O.C.
-1/2" (12.7mm) GYPSUM BOARD
NOTE - SUPPORT FOR 2 + 3 FLOORS ABOVE - O.B.C. T.9.23.10.1. =
-FOR 2 FLOORS SUPPORTED ABOVE, 2" X 4" (38mm X 89mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
-FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mm X 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):
O.B.C. S8-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD 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.

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-COMBUSTIBLE SIDING 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.

16 BRICK VENEER CONSTRUCTION:

O.B.C. 9.23.
-3-1/2" (90mm) FACE BRICK OR 4" (100mm) STONE @ 36'-1" (11m) MAX. HEIGHT
-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 SPACING
-PROVIDE WEEP HOLES @ 2'-7" (800mm) O.C. @ BTM. COURSE & OVER OPENINGS
-BASE FLASHING UP TO 5 7/8" (150mm) BEHIND WALL SHEATHING MEMBRANE [O.B.C. 9.20.13.6.(2)]
-BRICK OR STONE SILLS UNDER OPENINGS, FLASHING UNDER
-1" (25mm) AIR SPACE
-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. 9.23.16.
-2" X 6" (38mm X 140mm) WOOD STUDS @ 16" (400mm) O.C.
-MIN. R22 (RS1 3.87) INSULATION [ZONE 1, O.B.C. T.2.1.1.2.A.]
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD
NOTE - SUPPORT FOR 3 FLOORS ABOVE - O.B.C. T.9.23.10.1. =
-FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mm X 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
REQ. FOR FIRE RATING (LESS THAN 4'-0" LIMITING DISTANCE):
O.B.C. S8-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS:
-REPLACE R22 (RS1 3.87) INSULATION WITH R22 (RS1 3.87) ABSORPTIVE INSULATING MATERIAL WITH A MASS OF AT LEAST 4.8 kg/ sq.m.
-REPLACE 1/2" (12.7mm) GYPSUM BD. W/ 1/2" (12.7mm) TYPE 'X' GYPSUM BD.

16a ALTERNATE BRICK VENEER CONSTRUCTION:

O.B.C. 9.23.
-3-1/2" (90mm) FACE BRICK OR 4" (100mm) STONE @ 36'-1" (11m) MAX. HEIGHT
-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 SPACING
-PROVIDE WEEP HOLES @ 2'-7" (800mm) O.C. @ BTM. COURSE & OVER OPENINGS
-BASE FLASHING UP TO 5 7/8" (150mm) BEHIND WALL SHEATHING MEMBRANE [O.B.C. 9.20.13.6.(2)]
-BRICK OR STONE SILLS UNDER OPENINGS, FLASHING UNDER
-1" (25mm) AIR SPACE
-1 1/2" (38mm) R8 (RS1 1.41) RIGID INSULATION W/ TAPED JOINTS [O.B.C. 9.27.3.4]
-2" X 4" (38mm X 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 CONT. 2" X 4" (38mm X 89mm) SOLID WOOD BLOCKING @ APPROXIMATELY 45 DEG. FROM TOP PLATE TO BTM. PLATE FOR FULL LENGTH OF WALL
-R14 (RS1 2.46) INSULATION
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. - 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD
NOTE - SUPPORT FOR 2 + 3 FLOORS ABOVE - O.B.C. T.9.23.10.1. =
-FOR 2 FLOORS SUPPORTED ABOVE, 2" X 4" (38mm X 89mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
-FOR 3 FLOORS SUPPORTED ABOVE, 2" X 6" (38mm X 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.

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

O.B.C. S8-3 WALL = EW1b (STC = N/A, FIRE = 45 MIN)
FOR 45 MINUTE FIRE RATED WALL REQUIREMENTS SUBSTITUTE AND/OR ADD THE FOLLOWING MATERIALS:
-ADD 1/4" (6mm) PLYWOOD [EXTERIOR TYPE] OR EQUIVALENT AS PER O.B.C. 9.23.16. BETWEEN RIGID INSULATION AND WOOD STUD.
-REPLACE R14 (RS1 2.46) INSULATION WITH R14 (RS1 2.46) ABSORPTIVE INSULATING 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.

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

I, NATALIE PANDOUR DECLARE THAT I HAVE REVIEWED AND TAKEN DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF **RN DESIGN LTD**, UNDER DIVISION C, PART-3 SUBSECTION 3.3.2 OF THE BUILDING CODE. I AM QUALIFIED AND THE FIRM IS REGISTERED IN THE APPROPRIATE CLASSES / CATEGORIES.
QUALIFIED DESIGNER BCIN: 41549
FIRM BCIN: 26995
DATE:

SIGNATURE:

client	NORTH 88 DEV. INC.				location	Toronto	
project	238-252 Finch Avenue East				marketing name	ORCHID	
#	revisions	date	dwn chk	#	revisions	date	dwn chk
1				5			
2				6			
3				7			
4				8			



model	TH2003	
scale	3/16" = 1'0"	project # 11097
page	D1	

16b) BRICK VENEER CONSTRUCTION @ GARAGE:
O.B.C. 9.23.
-3-1/2" (90mm) FACE BRICK OR 4" (100mm) STONE @ 36-1" (11m) MAX. HEIGHT
-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 SPACING
-PROVIDE WEEP HOLES @ 2-7" (800mm) O.C. @ BTM. COURSE & OVER OPENINGS
-BASE FLASHING UP TO 5 7/8" (150mm) BEHIND WALL SHEATHING
-MEMBRANE (O.B.C. 9.20.13.4.2.1)
-BRICK OR STONE SILLS UNDER OPENINGS, FLASHING UNDER
-1" (25mm) AIR SPACE
-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. 9.23.14
-2" X 4" (38mmX 89mm) WOOD STUDS @ 16" (400mm) O.C.
-1/2" (12.7mm) GYPSUM BOARD
NOTE - SUPPORT FOR 2 + 3 FLOORS ABOVE - O.B.C. T.9.23.10.1. =
-FOR 2 FLOORS SUPPORTED ABOVE 2" X 4" (38mmX 89mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
-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:
-ADD R15 (R1 2.64) 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.

17) INTERIOR STUD WALLS:
O.B.C. T.9.23.10.1.
-2" X 4" (38mmX 89mm) WOOD STUDS @ 16" (400mm) O.C. OR
-2" X 6" (38mmX 140mm) WOOD STUDS @ 16" (400mm) O.C. W/
-DOUBLE 2" X 4" OR 2" X 6" TOP PLATES AND SINGLE BOTTOM PLATE
-1/2" (12.7mm) GYPSUM BOARD BOTH SIDES.

18) BEARING STUD WALL (BASEMENT):
-2" X 4" (38mmX 89mm) WOOD STUDS @ 16" (400mm) O.C. OR
-2" X 6" (38mmX 140mm) WOOD STUDS @ 16" (400mm) O.C. W/
-DBL. 2" X 4" OR 2" X 6" TOP PLATE
-2" X 4" OR 2" X 6" BOTTOM PLATE ON DAMPPROOFING MATERIAL.
-1/2" (12.7mm) GYPSUM BOARD BOTH SIDES.
-1/2" (12.7mm) DIA. ANCHOR BOLTS @ 7'-10" (2400mm) O.C.
FOOTING AS PER GENERAL NOTE #2 W/ 4" CONC. CURB

19) PARTY WALL - BLOCK:
O.B.C. SB-3 WALL = B6a (STC = 57, FIRE = 2 HR)
-MIN. 1HR FIRE-RESISTANCE RATING CONTINUOUS FROM TOP OF FOOTINGS TO THE U/S OF ROOF DECK
SPACE BETWEEN TOP OF WALL & ROOF DECK SHALL BE TIGHTLY FILLED W/ MINERAL WOOL OR NONCOMBUSTIBLE MATERIAL & CALKULATED TO PREVENT 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.
-7-1/2" (190mm) HOLLOW BLOCK (NORMAL WEIGHT AGGREGATE)
-STAGGER JOISTS & BEAMS MIN. 2-1/2" (90mm) @ PARTY WALLS AS PER O.B.C. 9.10.9.9.(1) & TABLE 2.1.1 - SB-2
-ACOUSTICAL SEALANT AS PER O.B.C. SB-3 (NOTE [2] TO TABLE 1)

19c) PARTY WALL - BLOCK (AGAINST GARAGE):
O.B.C. SB-3 WALL = B5c (STC = 51, FIRE = 2 HR)
-MIN. 1HR FIRE-RESISTANCE RATING CONTINUOUS
-1/2" (12.7mm) GYPSUM BOARD
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
-2" X 4" (38mmX 89mm) WOOD STRAPPING @ 16" (400mm) O.C.
-R20 (R3 3.52) RIGID INSULATION
-7-1/2" (190mm) HOLLOW BLOCK (NORMAL WEIGHT AGGREGATE)
-1/2" (12.7mm) GYPSUM BOARD @ WALL & U/S OF CEILING BETWEEN HOUSE AND GARAGE
-TAPE AND SEAL ALL JOINTS GAS TIGHT
REQ. INSULATION VALUES:
INSULATION VALUES PROVIDED BY CAN/CSA-F280-M90
-RIGID INSULATION = 20.00
-LOW DENSITY CONCRETE BLOCK = 1.70
-WOOD FRAME W/ GYPSUM = 2.72
-AIR FLM - MOVING = 0.68
-AIR FLM - STILL = 0.17
TOTAL "R" VALUE = 25.27

19c) FIREWALL:
O.B.C. 9.10.11. & 3.1.10. & SB-3 WALL = B6a (STC = 57, FIRE = 2 HR)
-ONE FIREWALL IS REQUIRED FOR EVERY 6460 S.F. (600 SQ.M) OF BUILDING AREA. O.B.C. 13.2.2.47.
-1/2" (12.7mm) GYPSUM BOARD W/ TAPED JOINTS
-2" X 2" (38mmX 38mm) WOOD STRAPPING @ 24" (600mm) O.C. ON BOTH SIDES OF WALL
-SOUND ABSORPTIVE MATERIAL EACH SIDE FILLING 90% OF THE CAVITY
-7-1/2" (190mm) CONC. BLOCK MIN. 2 HR. FIRE-RESISTANT
-EVERY FIREWALL SHALL BE CONTINUOUS THROUGH ALL BUILDING STOREYS
-STAGGER JOISTS & BEAMS MIN. 5" (130mm) @ FIRE WALLS AS PER O.B.C. 9.10.9.9.(1) & TABLE 2.1.1 SB-2
-ACOUSTICAL SEALANT AS PER O.B.C. SB-3 (NOTE [2] TO TABLE 1)
-PROTRUDE PAST FASCIA @ EAVES W/ BRICK CORRELLING
-EXTEND 5 7/8" (150mm) ABOVE ROOF SURFACES & HAVE ALUMINUM CAP W/ THROUGH WALL FLASHING PER O.B.C. 3.1.10.4.(1)
-WHERE THE DIFFERENCE IN HEIGHT BETWEEN ADJACENT ROOFS IS GREATER THAN 9'10" (3m), WALL NEED NOT EXTEND PAST UPPER ROOF SURFACE PER O.B.C. 3.1.10.4.(2)

20) PARTY WALL - FOUNDATION:
O.B.C. 9.15.4.2.
-1 1/4" (30mm) SOLID CONC. FOUNDATION WALL @ 2200psi (15MPa)
COMPRESSIVE STRENGTH AFTER 28 DAYS
-FOUNDATION WALL TO REST ON FOOTING PER GENERAL NOTE #2

21) PARTY WALL - WOOD STUD:
O.B.C. SB-3 WALL = W13a (STC = 57, FIRE = 1 HR)
-MIN. 1HR FIRE-RESISTANCE RATING CONTINUOUS FROM TOP OF FOOTINGS TO THE U/S OF ROOF DECK
-2 ROWS 2X4(38mmX 89mm) STUDS @ 16"(400mm) O.C. W/ SEPARATE 2" X 4" (38mmX 89mm) BOTTOM PLATE & SEPARATE DOUBLE 2" X 4" (38mmX 89mm) TOP PLATES
-SOUND ABSORPTIVE MATERIAL ON BOTH SIDES FILLING A MINIMUM OF 90% OF THE CAVITY.
-5/8" (16mm) TYPE 'X' GYPSUM BOARD BOTH SIDES W/ JOINTS TAPED & FILLED.
-ACOUSTICAL SEALANT AS PER O.B.C. SB-3 (NOTE [2] TO TABLE 1)
NOTE - SUPPORT FOR 2 + 3 FLOORS ABOVE - O.B.C. T.9.23.10.1. =
-FOR 2 FLOORS SUPPORTED ABOVE 2" X 4" (38mmX 89mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.
-FOR 3 FLOORS SUPPORTED ABOVE 2" X 6" (38mmX 140mm) STUDS ARE REQUIRED TO BE SPACED @ 12" (300mm) O.C.

22) GARAGE WALL & CEILING:
O.B.C. 9.10.9.14.(3)
-1/2" (12.7mm) GYPSUM BOARD ON BOTH SIDES OF WALL & U/S OF CEILING BETWEEN HOUSE AND GARAGE
-TAPE AND SEAL ALL JOINTS GAS TIGHT
-R22 (R3 3.87) INSULATION IN WALLS
-R31 (R5 5.41) INSULATION IN CEILINGS W/ FLOOR ABOVE

-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4. FOR FLOOR ABOVE
-INSULATION AROUND DUCTS AND PIPING NOT TO ENCRATCH MIN. REQUIRED GARAGE AREA (REFER TO MUNICIPAL STANDARDS).
-1/2" (12.7mm) GYPSUM BOARD
-ROOF FRAMING MEMBERS ARE FASTENED TO TOP PLATES WITH 4-3 1/4" (82mm) TOE NAILS
-BOTTOM PLATES ARE FASTENED TO FLOOR JOISTS, BLOCKING OR RIM JOIST WITH 3 1/4" (82mm) NAILS AT 7/8" (200mm) O.C.

22c) WALLS ADJACENT TO ATTIC SPACE:
-1/2" (12.7mm) GYPSUM BOARD
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
-2" X 6" (38mmX 140mm) WOOD STUDS @ 16" (400mm) O.C.
-R22 (R3 3.87) INSULATION
-1/2" (12.7mm) GYPSUM BOARD OR 1/4" (6mm) PLYWOOD SHEATHING ON ATTIC SIDE.
-ATTIC ACCESS TO BE PROVIDED AS PER O.B.C. 9.19.2.1.

23) DOUBLE VOLUME WALLS:
O.B.C. 9.23.10.1.
-3/8" (9.5mm) 1/4" WOOD, OSB OR WATERBOARD SHEATHING
-REFER TO PLAN FOR STUD SPECIFICATION
-STUDS FASTENED AT TOP & BOTTOM WITH 3/ 3-1/4" (82mm) TOE NAILS
-DOUBLE TOP PLATES FASTENED TOGETHER WITH 3" (76mm) AT 7/8" (200mm) O.C.
-SOLID BRIDGING AT 3'-11" (1200mm) O.C.
-MIN. R22 (R3 3.87) INSULATION (ZONE 1 - O.B.C. T.2.1.1.2.A.2.)
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE WITH O.B.C. 9.25.3. & 9.25.9

24) EXPOSED FLOOR:
FLOOR AS PER NOTE # 28
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
-R31 (R5 5.46) INSULATION
-VENTED ALUMINUM SOFFIT

24c) SUNKEN FINISHED AREAS:
-USE SOLID BUILT-UP WOOD BEARING POST TO SUPPORT SUNKEN AREA AT FOUNDATION WALLS. EXTEND FOOTINGS TO SUPPORT POSTS.
-WHERE GRADING CONDITIONS WILL ALLOW, CHECK FOUNDATION WALLS INSTEAD OF USING BEARING POSTS.
-FLOOR STRUCTURE AS PER NOTE # 28.

25) DOUBLE MASONRY WYTHE WALL:
O.B.C. 9.20.8.2.
-3-1/2" MASONRY VENEER ON 2" MORTAR JOINT ON 3-1/2" MASONRY VENEER
-WYTHES TO BE TIED W/ METALS INSTALLED AS PER O.B.C. 9.20.9.4.
-SILL PLATE REQUIRED FOR ROOF AND CEILING FRAMING MEMBERS
-6" SILL W/ 2" BEARING ON EACH SIDE & ANCHOR BOLTS @ 4'-0" O.C.
NOTE: MORTARY TO BE SOLID & MORTAR JOINT FILLED SOLID FOR FLOOR JOISTS BEARING ON WYTHES. FLOOR JOISTS ARE NOT TO PROJECT INTO CAVITY AREA.

25c) CORBEL MASONRY VENEER:
-MASONRY VENEER TO BE CORBELLED AS PER O.B.C. 9.20.12.3.(1)
FLOOR ASSEMBLIES:

26) SILL PLATE:
O.B.C. 9.23.7.
-2" X 4" (38mm X 89mm) PLATE
-1/2" (12.7mm) DIA. ANCHOR BOLTS @ 7'-10" (2400mm) O.C. FASTENED TO PLATE W/ NUTS AND WASHERS & SHALL BE EMBEDDED NOT LESS THAN 4" (100mm) INTO FOUNDATION WALL.
-SILL PLATE TO BE CALKULATED, OR PLACED ON A LAYER NOT LESS THAN 1" (25mm) THICK BEFORE COMPRESSION, OR FOAM GASKET, OR PLACED ON FULL BED OF MORTAR.

27) BRIDGING & STRAPPING:
O.B.C. 9.23.9.4.
a) STRAPPING
-1" X 3" (19mmX 64mm) NAILED TO U/S OF JOISTS @ MAX. 6'-11" (2100mm) O.C.
-FASTENED TO SILL OR HEADER @ ENDS
b) BRIDGING
-1" X 3" (19mmX 64mm) OR 2" X 2" (38mmX 38mm) CROSS BRIDGING @ MAX. 6'-11" (2100mm) O.C.
c) BRIDGING & STRAPPING
-1" X 3" (19mmX 64mm) OR 2" X 2" (38mmX 38mm) CROSS BRIDGING @ MAX. 6'-11" (2100mm) O.C. USED WITH STRAPPING (a)
d) FURRING OR PANEL TYPE CEILING
-STRAPPING NOT REQUIRED IF FURRING STRIPS OR PANEL TYPE CEILING FINISH IS ATTACHED DIRECTLY TO JOISTS.

28) FLOOR ASSEMBLY:
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

29) PORCH SLABS ABOVE COLD CELLAR:
O.B.C. 9.39.1.4.
-REINFORCED CONCRETE SLABS ABOVE COLD CELLARS THAT ARE SUPPORTED ON FOUNDATION WALLS NOT TO EXCEED 8'-2"
-4-7/8" (125mm) 4650 psi (32 MPa) CONC. SLAB WITH 5 TO 8% AIR ENTRAINMENT
-REINFORCE WITH 10M BARS @ 7/8" (200mm) EACH WAY
-1 1/4" (30mm) CLEAR COVER FROM THE BOTTOM OF THE SLAB
-3" (75mm) END BEARING ON FOUNDATION WALL
-23 5/8" (600mm) X 23 5/8" (600mm) 10M DOWELS @ 23 5/8" (600mm) O.C.

30) EXTERIOR BALCONY ASSEMBLY:
-1 1/4" X 3 1/2" PRESSURE TREATED DECKING W/ 1/4" SPACING
-2X4" WOOD PURLINS (CUT DIAGONALLY) @ 12" O.C. LAYING UNFASTENED ON SINGLE PLY WATERPROOF ROOF MEMBRANE OR EQUIVALENT ON 5/8" (15.9mm) EXTERIOR GRADE PLYWOOD SHEATHING ON 2X4" WOOD PURLINS (CUT DIAGONALLY) @ 12" O.C. DIRECTLY ON 2X6" ROOF JOISTS @ 12" O.C. (OR AS NOTED ON PLAN)
-EXTERIOR GUARD AS PER #36a
-SLOPE ASSEMBLY MINIMUM 2% TO ROOF SCUPPER
REQUIRED FOR OVER HEATED SPACES:
-ADD 2X2" (38mm x 38mm) CROSS PURLINS @ 16" (400mm) O.C. FOR VENTILATION OVER JOISTS
-ADD R31 (R5 5.46) INSULATION BETWEEN JOISTS
-ADD CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
-ADD 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
-ADD 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. T.9.29.5.3.)

30c) EXTERIOR FLAT ROOF ASSEMBLY:
-SINGLE PLY WATERPROOF ROOF MEMBRANE OR EQUIVALENT INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
-1/4" EXTERIOR GRADE WOOD PANEL TYPE UNDERLAY TAPERED PURLINS SLOPED MIN. 2% TO ROOF SCUPPER.
-3/8" EXTERIOR GRADE PLYWOOD SHEATHING ON 2X6" ROOF JOISTS @ 12" O.C. (OR AS NOTED ON PLAN)
REQUIRED FOR OVER HEATED SPACES:
-ADD 2X2" (38mm x 38mm) CROSS PURLINS @ 16" (400mm) O.C. FOR VENTILATION OVER JOISTS
-ADD R31 (R5 5.46) INSULATION BETWEEN JOISTS
-ADD CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
-ADD 1/2" (12.7mm) GYPSUM BOARD W/ PAINTED CEILING OR
-ADD 5/8" (15.9mm) GYPSUM BOARD W/ TEXTURED CEILING (O.B.C. T.9.29.5.3.)

ROOF ASSEMBLIES:

31) TYPICAL ROOF:
O.B.C. 9.26.
-NO. 210 (30, 5KG/m2) ASPHALT SHINGLES
-FOR ROOFS BETWEEN 4:12 & 8:12 PITCH PROVIDE EAVES PROTECTION TO EXTEND UP THE ROOF SLOPE MIN. 2'-11" (900mm) FROM EDGE TO A LINE NOT LESS THAN 12" (300mm) PAST THE INSIDE FACE OF EXTERIOR WALL.
-EAVES PROTECTION LAID BENEATH STARTER STRIP.
-EAVE PROTECTION NOT REQUIRED OVER UNHEATED SPACES.
-STARTER STRIP AS PER O.B.C. 9.26.7.2.
-STARTER STRIP NOT REQUIRED AS PER O.B.C. 9.26.7.2.(3)
-3/8" (10mm) PLYWOOD SHEATHING OR OSB (0-2 GRADE) WITH 1" CLIPS
-APPROVED WOOD TRUSSES @ 24" (600mm) O.C. (REFER TO MANUFACTURER'S LAYOUT)
-TRUSS BRACING AS PER TRUSS MANUFACTURER
-EAVESTROUGH ON PREFINISHED FASCIA AND VENTED SOFFIT (VINYL OR ALUMINUM)
-ATTIC VENTILATION 1:300 OF INSULATED CEILING AREA WITH. 50% AT SOFFIT.

32) CEILING:
-R20 (R3 8.8) INSULATION
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE W/ O.B.C. 9.25.3. & 9.25.4.
-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.)

32c) VAUTED OR CATHEDRAL CEILING:
O.B.C. 9.26. & TABLE A7
-NO. 210 (30, 5KG/m2) ASPHALT SHINGLES
-FOR ROOFS BETWEEN 4:12 & 8:12 PITCH PROVIDE EAVES PROTECTION TO EXTEND UP THE ROOF SLOPE MIN. 2'-11" (900mm) FROM EDGE TO A LINE NOT LESS THAN 12" (300mm) PAST THE INSIDE FACE OF EXTERIOR WALL.
-EAVES PROTECTION LAID BENEATH STARTER STRIP.
-EAVE PROTECTION NOT REQUIRED OVER UNHEATED SPACES OR WHERE ROOF SLOPES ARE 8:12 OR GREATER PER O.B.C. 9.26.7.2.
-STARTER STRIP AS PER O.B.C. 9.26.7.2.
-STARTER STRIP NOT REQUIRED AS PER O.B.C. 9.26.7.2.(3)
-3/8" (10mm) PLYWOOD SHEATHING OR OSB (0-2 GRADE) WITH 1" CLIPS
-R31 (R5 5.46) INSULATION @ 16" O.C. W/ 2X2" (38mm x 38mm) CROSS PURLINS @ 24" O.C. MAX. SPAN 13'-3" (4050mm) OR
-2X10" (38mm x 235mm) @ 16" O.C. W/ 2X2" (38mm x 38mm) CROSS PURLINS @ 24" O.C. MAX. SPAN 17'-0" (5180mm)
-R31 (R5 5.46) INSULATION
-MIN. 3" CLEARANCE FROM U/S OF ROOF SHEATHING TO INSULATION
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE WITH O.B.C. 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD

33) CONVENTIONAL FRAMING:
O.B.C. TABLE A6 OR A7
-2" X 6" (38mm X 140mm) RAFTERS @ 16" (400mm) O.C. MAX. SPAN 12'-9" (3890mm)
-2X4" (38mm X 89mm) COLLAR TIES AT MIDSPANS
-CEILING JOISTS TO BE 2" X 6" (38mmX 140mm) @ 16" (400mm) O.C. UNLESS OTHERWISE NOTED.
-HIP & VALLEY RAFTERS TO BE MIN. 2" (50mm) LARGER THAN COMMON RAFTERS & MIN. 1 1/2" (38mm) THICK
-R31 (R5 5.46) INSULATION
-MIN. 3" CLEARANCE FROM U/S OF ROOF SHEATHING TO INSULATION
-CONTINUOUS AIR/VAPOUR BARRIER IN CONFORMANCE WITH O.B.C. 9.25.3. & 9.25.4.
-1/2" (12.7mm) GYPSUM BOARD

34) ATTIC ACCESS HATCH:
O.B.C. 9.19.2.1.
-19 3/4" X 27 1/2" (500mm X 700mm) ATTIC HATCH WITH WEATHERSTRIPPING & BACKED W/ R40 (R5 7.0) INSULATION.

GENERAL:

35) PRIVATE STAIRS:
O.B.C. 9.8.4.
-MAX. RISE = 7-7/8" (200mm)
-MIN. RUN = 8-1/4" (210mm)
-MIN. TREAD = 9-1/4" (235mm)
-MAX. NOSING = 1" (25mm)
-MIN. HEADROOM = 6'-5" (1950mm)
-MIN. WIDTH (BETWEEN WALL FACES) = 2'-10" (860mm)
-MIN. WIDTH (BETWEEN WALL FACES) = 2'-11" (900mm)
[EXIT STAIRS, BETWEEN GUARDS]
ANGLED TREADS:
-MIN. RUN = 5-7/8" (150mm)
-MIN. AVG. RUN = 7-7/8" (200mm)
-FINISHED RAILING ON WOOD PICKETS MAX. 4" BETWEEN PICKETS
-EXTERIOR CONC. STEPS TO HAVE MIN. 9 1/4" (235mm) TREAD & MAX. 7-7/8" (200mm) RISE
-FOUND. WALL REQUIRED WHEN NUMBER OF RSERS EXCEEDS 2
-FTG. FOR FOUND. WALL TO BE MIN. 4'-0" (1220mm) BELOW GRADE

HANDRAILS:
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)
-ONE HANDRAIL IS REQUIRED ON CURVED STAIRS OF ANY WIDTH WITHIN DWELLING UNITS
-HANDRAILS ARE TO BE CONTINUOUS EXCEPT WHEN INTERRUPTED BY DOORWAYS, LANDINGS OR POSTS AT CHANGES IN DIRECTION

HEIGHT:
O.B.C. 9.8.7.4
-2'-11" (900mm) TO 3'-2" (965mm)
-3'-6" (1070mm) WHERE GUARDS ARE REQUIRED ON LANDINGS
-MEASURED VERTICALLY FROM THE TOP OF THE HANDRAIL TO A STRAIGHT LINE DRAWN FROM THE TANGENT TO THE TREAD NOSING

PROJECTIONS:
O.B.C. 9.8.7.6
-HANDRAILS AND PROJECTIONS BELOW HANDRAILS INCLUDING STEP STRINGERS TO PROJECT A MAXIMUM OF 4" (100mm) INTO THE REQUIRED WIDTH OF THE STAIR

35c) PUBLIC STAIRS:
O.B.C. 9.8.4.
-MAX. RISE = 7-7/8" (200mm)
-MIN. RUN = 9-7/8" (250mm)
-MIN. TREAD = 9-1/4" (235mm)
-MAX. NOSING = 1" (25mm)
-MIN. HEADROOM = 6'-9" (2050mm)
-MIN. WIDTH (BETWEEN WALL FACES) = 2'-11" (900mm)
[EXIT STAIRS, BETWEEN GUARDS]
-FINISHED RAILING ON WOOD PICKETS MAX. 4" BETWEEN PICKETS
-EXTERIOR CONC. STEPS TO HAVE MIN. 9 7/8" (235mm) TREAD & MAX. 7-7/8" (200mm) RISE
-FOUND. WALL REQUIRED WHEN NUMBER OF RSERS EXCEEDS 2
-FTG. FOR FOUND. WALL TO BE MIN. 4'-0" (1220mm) BELOW GRADE

HANDRAILS:
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 INCLUDING AT LANDINGS EXCEPT WHEN INTERRUPTED BY DOORWAYS OR NEWEL POSTS AT CHANGES IN DIRECTION

HEIGHT:
O.B.C. 9.8.7.4
-2'-11" (900mm) TO 3'-2" (965mm)
-3'-6" (1070mm) WHERE GUARDS ARE REQUIRED ON LANDINGS
-MEASURED VERTICALLY FROM THE TOP OF THE HANDRAIL TO A STRAIGHT LINE DRAWN FROM THE TANGENT TO THE TREAD NOSING

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

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client	NORTH 88 DEV. INC.				location	Toronto			
project	238-252 Finch Avenue East				marketing name	ORCHID			
#	revisions	date	dwn	chk	#	revisions	date	dwn	chk
1					5				
2					6				
3					7				
4					8				

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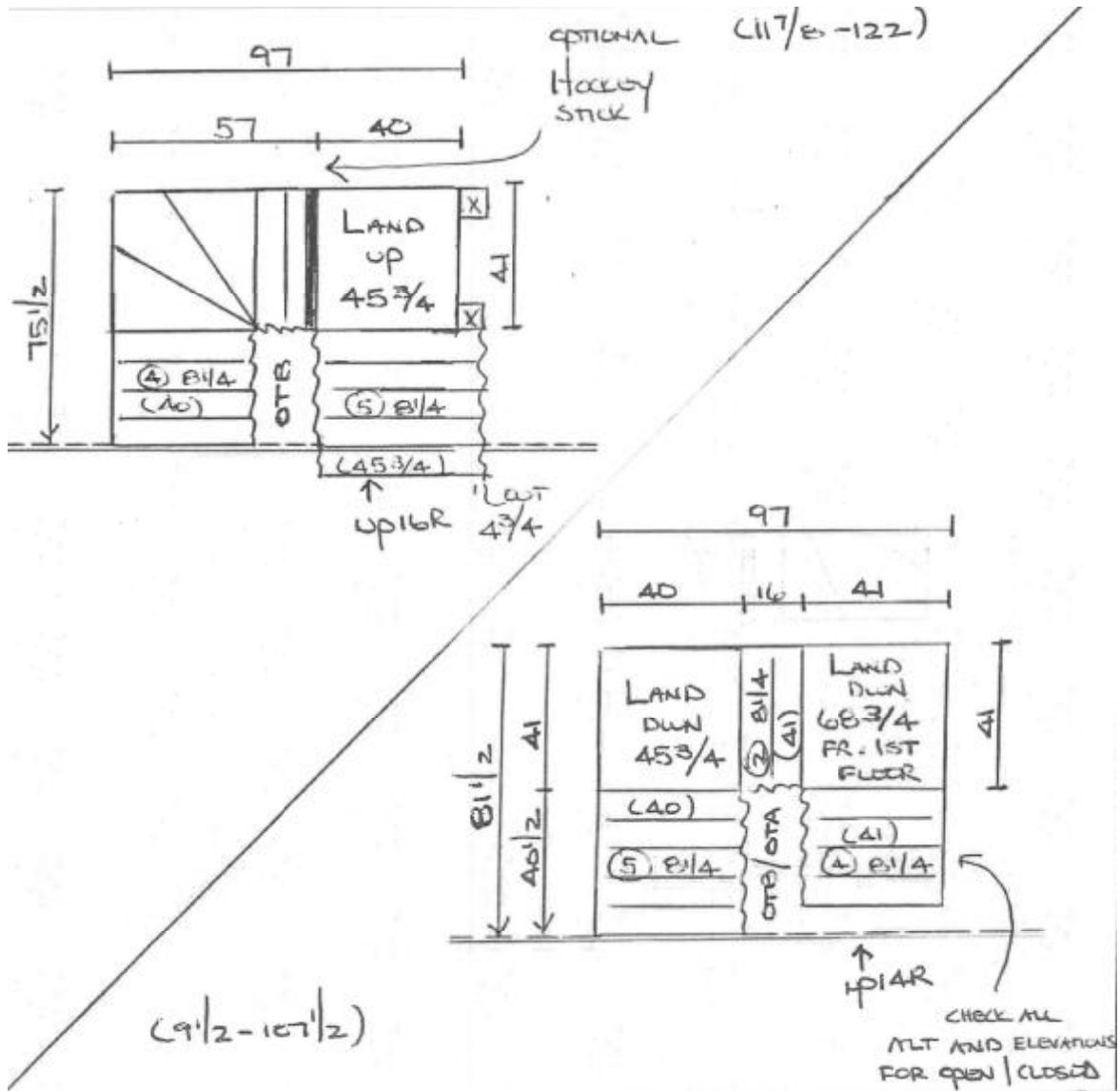
model
TH2003
scale
3/16" = 1'0"
project #
11097

D2

PROJECTIONS: O.B.C. 9.8.7.6 - HANDRAILS AND PROJECTIONS BELOW HANDRAILS INCLUDING STEP STRINGERS TO PROJECT A MAXIMUM OF 4" (120mm) INTO THE REQUIRED WIDTH OF THE STAIR TERMINATION: O.B.C. 9.8.7.3 - ONE HAND RAIL SHALL EXTEND HORIZONTALLY NOT LESS THAN 11 3/4" (300mm) BEYOND THE TOP & BOTTOM OF EACH STAIR AS FINISH: O.B.C. 9.8.7.6 - TREADS ARE TO BE WEAR AND SLIP RESISTANT, SMOOTH, EVEN AND FREE FROM DEFECTS - STAIRS AND RAMPS TO HAVE EITHER A COLOUR CONTRAST OR DISTINCTIVE PATTERN TO DEMARCATATE THE LEADING EDGE OF THE TREADS, LANDING AND THE BEGINNING AND END OF A RAMP		44	SMOKE ALARM. O.B.C. - 9.10.19. - PROVIDE 1 ON EACH FLOOR INCLUDING BASEMENTS - PROVIDE 1 IN EACH BEDROOM - PROVIDE 1 IN EACH HALLWAY SERVICING BEDROOMS - ALARMS TO BE CONNECTED IN CIRCUIT AND INTERCONNECTED SO ALL ALARMS WILL BE ACTIVATED IF ANY ONE OF THEM SOUNDS. - ALARMS MUST BE HARDWIRED AND HAVE AN ALTERNATE POWER SOURCE THAT CAN POWER ALARM FOR 7 DAYS, FOLLOWED BY 4 MINUTES OF ALARM	51	STUD WALL REINFORCEMENT: O.B.C. 9.5.2.3 - WALL STUDS ADJACENT TO WATER CLOSETS & SHOWER BATH TUBS IN MAIN BATHROOM ARE TO BE REINFORCED TO PERMIT THE FUTURE INSTALLATION OF GRAB BARS AS PER O.B.C. 3.8.3.8.(1)(d) & 3.8.3.13.(1)(f) - GRAB BARS TO BE INSTALLED AS PER O.B.C. 9.8.7.7.(2)	
36		INTERIOR GUARDS: O.B.C. SB-7 & 9.8.8.3 - GUARDS TO BE 3'-6" (1070mm) HIGH - FOR DWELLING UNITS GUARDS TO BE A MIN. OF 2'-11" (900mm) HIGH - INCLUDES WINDOWS OVER STAIRS, RAMPS AND LANDINGS - PICKETS TO HAVE 4" (100mm) MAX. SPACING - GUARDS FOR FLIGHTS OF STEPS (EXCEPT EXIT STAIRS) TO BE 2'-11" (900mm) HIGH	45	CARBON MONOXIDE ALARM (CMA). O.B.C. - 9.33.4. - WHERE THERE IS A FUEL BURNING APPLIANCE A CMA SHALL BE PROVIDED ADJACENT TO EACH SLEEPING AREA. - CMA TO BE WIRED IN CIRCUIT TO SOUND SMOKE ALARMS WHEN ACTIVATED.	FRAME CONSTRUCTION: - ALL FRAMING LUMBER TO BE No.1 AND No.2 SPF UNLESS NOTED OTHERWISE. - ROOF LOADING IS BASED ON 1.5kPa SPECIFIED COMPOSITE SNOW AND RAIN LOADS. - JOISTS TO HAVE MIN. 1-1/2" (38mm) END BEARING - BEAMS TO HAVE MIN. 3-1/2" (89mm) END BEARING - DOUBLE STUDS @ OPENINGS - DOUBLE HEADER JOISTS AROUND FLOOR OPENINGS WHEN THEY ARE BETWEEN 3'-11" (1200mm) AND 10'-4" (3200mm) - DOUBLE TRIMMER JOISTS WHEN HEADER JOIST LENGTH IS BETWEEN 2'-7" (800mm) AND 6'-7" (2000mm) - DOUBLE JOISTS OR SOLID BLOCKING UNDER NON-LOAD BEARING PARALLEL PARTITIONS - BEAMS TO BE PLACED UNDER LOADBEARING WALLS WHEN WALLS ARE PARALLEL TO FLOOR JOISTS - BEAMS MAY BE A MAX. 24" (600mm) FROM LOADBEARING WALLS WHEN WALLS ARE PERPENDICULAR TO FLOOR JOISTS - APPROVED METAL HANGERS TO BE USED FOR JOISTS AND BEAMS WHEN THEY FRAME INTO SIDES OF BEAMS, TRIMMERS AND HEADERS - FLOOR JOISTS SUPPORTING ROOF LOADS SHALL NOT BE CANTILEVERED MORE THAN 15 3/4" (400mm) BEYOND SUPPORTS FOR 2" X 8" (38mm X 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.	
36C		EXTERIOR GUARDS: O.B.C. SB-7 & 9.8.8.3 - GUARDS ARE REQUIRED WHEN WALKING SURFACE TO GRADE IS GREATER THAN 23 5/8" (600mm). - GUARDS TO BE 3'-6" (1070mm) - FOR DWELLING UNITS GUARDS TO BE A MIN. OF 2'-11" (900mm) HIGH - FOR DWELLING UNITS GUARDS TO BE 3'-6" (1070mm) HIGH WHERE WALKING SURFACE IS MORE THAN 5'-11" (1800mm) ABOVE ADJACENT GRADE. - PICKETS TO HAVE 4" (100mm) MAX. SPACING - PROVIDE MID-SPAN POSTS AS PER SB-7. - GUARDS FOR FLIGHTS OF STEPS (EXCEPT EXIT STAIRS) TO BE 2'-11" (900mm) HIGH	47	- 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)	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 1.8 W/(m2.K) OR - AN ENERGY RATING OF NOT LESS THAN 21 FOR OPERABLE WINDOWS & 31 FOR FIXED WINDOWS - BASEMENT WINDOWS WITH LOAD BEARING STRUCTURAL FRAME SHALL BE DOUBLE GLAZED WITH LOW-E COATING - SKYLIGHTS SHALL HAVE AN OVERALL COEFFICIENT OF HEAT TRANSFER OF 2.8 W/(m2.K) - FOR GROSS GLAZED AREAS LESS THAN 17%	
46C		EXTERIOR GUARDS @ JULIET BALCONY: - FOR RAILING SPANNING MAXIMUM OF 6'-0". - PROVIDE PREFIN. METAL RAILING W/ 76mm VERTICAL OPENING TO CONFORM WITH O.B.C. APPENDIX A-9.8.8.5. - GUARDS TO BE 3'-6" (1070mm) - FOR DWELLING UNITS GUARDS TO BE 2'-11" (900mm) WHERE FLOOR TO GRADE DIFFERENCE IS LESS THAN 5'-11" (1800mm) AS PER O.B.C. 9.8.8.2. OR - FOR DWELLING UNITS GUARDS TO BE 3'-6" WHERE FLOOR TO GRADE DIFFERENCE IS 5'-11" (1800mm) OR GREATER AS PER O.B.C. 9.8.8.2. - VERTICAL END RAILING ANCHORED TO CORNER DOUBLE STUDS USING 3 ROWS OF 3/8" Ø MIN. ANCHOR BOLTS EQUALLY SPACED WITH 3' MIN. EMBEDMENT TO STUDS. - PROVIDE SAME ANCHOR BOLTS @ 36" O.C. FOR BASE PLATE CONNECTION.	48	- TRAVEL FROM A FLOOR LEVEL TO AN EXIT OR EGRESS DOOR SHALL BE LIMITED TO ONE FLOOR EXCEPT: 1) WHERE THAT FLOOR LEVEL HAS ACCESS TO A BALCONY OR 2) WHERE THAT FLOOR LEVEL HAS A WINDOW PROVIDING AN UNOBSTRUCTED OPENING OF NOT LESS THAN 3'-3" (1000mm) IN HEIGHT AND 21 5/8" (550mm) IN WIDTH; SUCH WINDOW SHALL BE LOCATED SO THAT THE SILL IS NOT MORE THAN 3'-3" (1000mm) ABOVE FLOOR AND 23'-0" (7.0m) ABOVE ADJACENT GROUND LEVEL.	ADDITIONAL COMPLIANCE ALTERNATIVES FOR PACKAGE J. - THE MINIMUM R (RSI) VALUE FOR THERMAL INSULATION IN EXPOSED ABOVE GRADE WALLS IS PERMITTED TO BE NO LESS THAN R20 (RSI 3.52) PROVIDED THAT THE WINDOWS AND SLIDING GLASS DOORS HAVE A MAXIMUM U-VALUE OF 1.6. OR THE THERMAL INSULATION VALUE IN BASEMENT WALLS HAS A MINIMUM R20 (RSI 3.52). OR - WHERE BLOWN-IN INSULATION OR SPRAY-APPLIED FOAM INSULATION IS USED, THE MINIMUM R (RSI) VALUE FOR THERMAL INSULATION IN EXPOSED ABOVE GRADE WALLS IS PERMITTED TO BE NO LESS THAN R20 (RSI 3.52) PROVIDED THAT: a) THE THERMAL INSULATION VALUE IN A CEILING WITH AN ATTIC SPACE IS NOT LESS THAN R60 (RSI 10.55). b) THE MINIMUM EFFICIENCY OF THE HRV IS INCREASED BY NOT LESS THAN 8 PERCENTAGE POINTS. c) THE MINIMUM AFUE OF THE SPACE HEATING EQUIPMENT IS INCREASED BY NOT LESS THAN 2 PERCENTAGE POINTS. d) THE MINIMUM EF OF THE DOMESTIC HOT WATER HEATER IS INCREASED BY NOT LESS THAN 4 PERCENTAGE POINTS.	
37		- LINEN CLOSET 4 SHELVES MIN. 1'-2" (350mm) DEEP	49C			
38		- WASHROOMS TO BE MECHANICALLY VENTED TO PROVIDE AT LEAST ONE AIR CHANGE PER HOUR, O.B.C. - 9.32.1.3.(3)	50			
39		- CAPPED DRYER VENT				
40		- 1'-X2" (19mmX38mm) BOTH SIDES OF STEEL.				
41		- WOOD FRAMING MEMBERS SUPPORTED ON CONCRETE IN CONTACT WITH GROUND OR FILL SHALL BE PRESSURE TREATED OR SEPARATED FROM CONCRETE W/ 6 mil POLYETHYLENE.				
42		- PRECAST CONC. STEP - 2 RISERS MAXIMUM PERMITTED TO BE LAID ON GROUND				

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

SCHEDULES		PLAN/ELEVATION LEGEND	
<div>DOORS 46 47</div> <div>A 815x2030x45 (2'10"x8'8"x1-3/4")</div> <div>B 815x2030x35 (2'8"x8'8"x1-3/8")</div> <div>C 760x2030x35 (2'6"x8'8"x1-3/8")</div> <div>D 710x2030x35 (2'4"x8'8"x1-3/8")</div> <div>E 660x2030x35 (1'6"x8'8"x1-3/8")</div> <div>F 610x2030x35 (2'0"x8'8"x1-3/8")</div> <div>G OVER SIZED EXTERIOR DOOR</div>		<div>WOOD BEAMS</div> <div>WD1 3/2" X 8" SPR</div> <div>WD2 4/2" X 8" SPR</div> <div>WD3 5/2" X 8" SPR</div> <div>WD4 3/2" X 10" SPR</div> <div>WD5 4/2" X 10" SPR</div> <div>WD6 5/2" X 10" SPR</div> <div>WD7 3/2" X 12" SPR</div> <div>WD8 4/2" X 12" SPR</div>	
<div>STEEL BEAMS</div> <div>ST1 W 6 X 15</div> <div>ST2 W 6 X 20</div> <div>ST3 W 8 X 18</div> <div>ST4 W 8 X 21</div> <div>ST5 W 8 X 24</div>		<div>LINTELS</div> <div>L1 2/2" X 8" SPR</div> <div>L2 2/2" X 10" SPR</div> <div>L3 2/2" X 12" SPR</div> <div>L4 3-1/2" X 3-1/2" X 1/4" L</div> <div>L5 4" X 3-1/2" X 1/4" L</div> <div>L6 1-7/8" X 3-1/2" X 3/8" L</div> <div>L7 1-7/8" X 4" X 3/8" L</div> <div>L8 1-7/8" X 3-1/2" X 1/2" L</div> <div>L9 5-7/8" X 3-1/2" X 3/8" L</div> <div>L10 4-7/8" X 3-1/2" X 5/16" L</div> <div>L11 4-7/8" X 3-1/2" X 3/8" L</div> <div>L12 4-7/8" X 3-1/2" X 1/2" L</div> <div>L13 5-7/8" X 3-1/2" X 3/8" L</div> <div>L14 5-7/8" X 3-1/2" X 1/2" L</div> <div>L15 5-7/8" X 4" X 1/2" L</div> <div>L16 7-1/8" X 4" X 3/8" L</div> <div>L17 7-1/8" X 4" X 1/2" L</div>	
<div>I. NATALIE PANDOLF DECLARES THAT I HAVE REVIEWED AND TAKEN DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF RN DESIGN LTD. UNDER DIVISION C, PART-3 SUBSECTION 3.2.4 OF THE BUILDING CODE. I AM QUALIFIED AND THE FIRM IS REGISTERED IN THE APPROPRIATE CLASS / CATEGORIES.</div> <div>QUALIFIED DESIGNER BCIN: 41549</div> <div>FIRM BCIN: 26995</div> <div>DATE:</div>		<div>client</div> <div>NORTH 88 DEV. INC.</div> <div>project</div> <div>238-252 Finch Avenue East</div> <div># revisions date dwn chk #</div> <div># revisions date dwn chk #</div>	
<div>SIGNATURE:</div>		<div>location</div> <div>Toronto</div> <div>marketing name</div> <div>ORCHID</div> <div>page</div> <div>D3</div>	



ELEVATION 'A', 'B', 'C' & 'D'

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 QUALIFIED DESIGNER BCIN: 41549
 FIRM BCIN: 26995
 DATE: Sept-08-15

SIGNATURE:

client
NORTH 88 DEV. INC.

project
238-252 Finch Avenue East

#	revisions	date	dwn	chk	#	revisions	date	dwn	chk
1	ADDED STAIR DETAIL AS REQUESTED BY CITY	08/09/2015	JR	JR	5				
2					6				
3					7				
4					8				

location
Toronto

marketing name
ORCHID

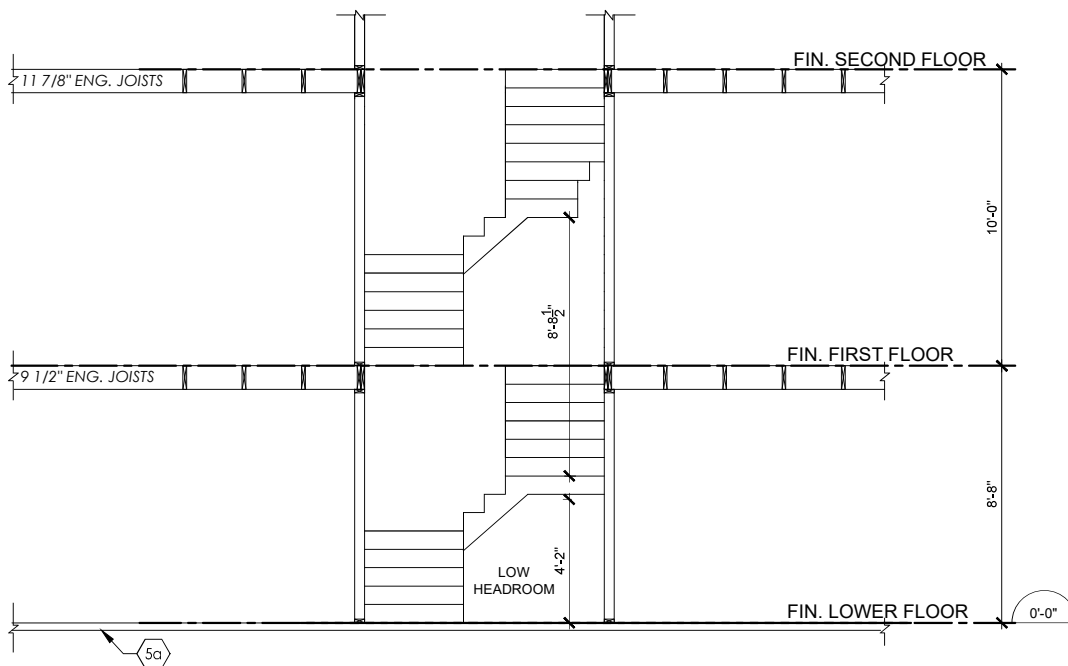


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scale
N.T.S.

page

D4



STAIR SECTION - CONSTRUCTION

I, NATALIE PANDOLFI DECLARE THAT I HAVE REVIEWED AND TAKEN DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF **RN DESIGN LTD.** UNDER DIVISION C, PART-3 SUBSECTION 3.2.4 OF THE BUILDING CODE. I AM QUALIFIED AND THE FIRM IS REGISTERED IN THE APPROPRIATE CLASSES / CATEGORIES.
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 DATE: Sept-08-15

SIGNATURE:

client
NORTH 88 DEV. INC.

project
238-252 Finch Avenue East

#	revisions	date	dwn	chk	#	revisions	date	dwn	chk
1	ADDED STAIR SECTION AS REQUESTED BY CITY	11/10/2015	PV	RPA	5				
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3					7				
4					8				

location
Toronto

marketing name
ORCHID



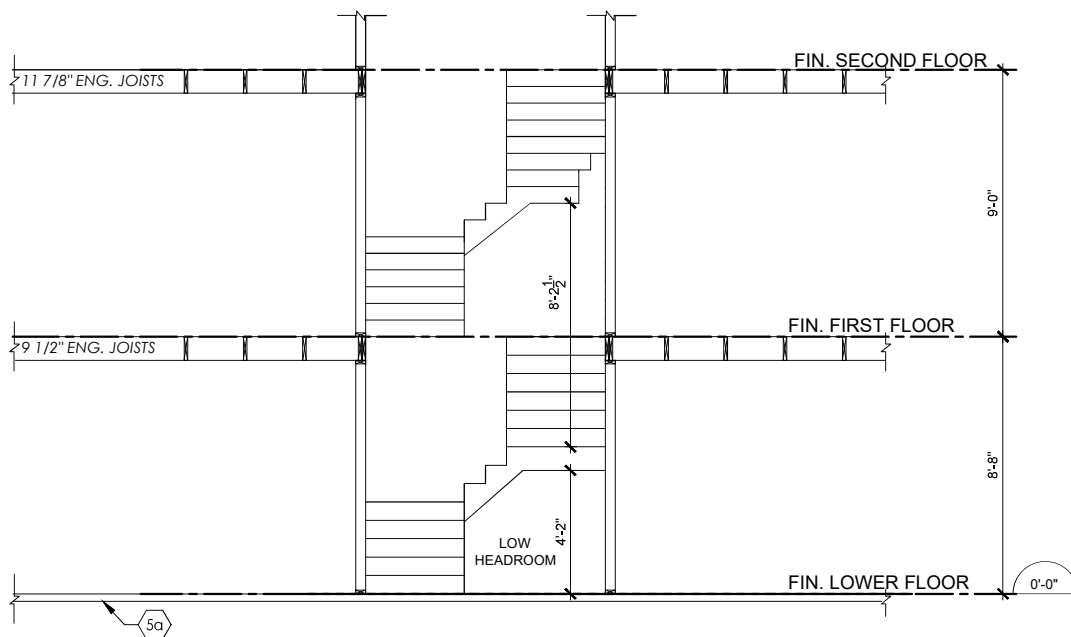
model
TH2003

scale
1/4"=1'-0"

project #
11097

page

D5



STAIR SECTION - PERMIT

I, NATALIE PANDOLFI DECLARE THAT I HAVE REVIEWED AND TAKEN DESIGN RESPONSIBILITY FOR THE DESIGN WORK ON BEHALF OF **RN DESIGN LTD.** UNDER DIVISION C, PART-3 SUBSECTION 3.2.4 OF THE BUILDING CODE. I AM QUALIFIED AND THE FIRM IS REGISTERED IN THE APPROPRIATE CLASSES / CATEGORIES.
 QUALIFIED DESIGNER BCIN: 41549
 FIRM BCIN: 26995
 DATE: Sept-08-15

SIGNATURE:

client
NORTH 88 DEV. INC.

project
238-252 Finch Avenue East

#	revisions	date	dwn	chk	#	revisions	date	dwn	chk
1	ADDED STAIR SECTION AS REQUESTED BY CITY	11/10/2015	PV	RPA	5				
2					6				
3					7				
4					8				

location
Toronto

marketing name
ORCHID



model
TH2003

scale
1/4"=1'-0"

project #
11097

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D6