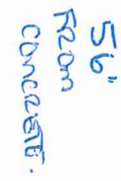


LOT 15 50-03 BIRMINGHAM \* EL. A \* STD. MAIN & 2nd FLOOR \* 4130 SQ. FT.

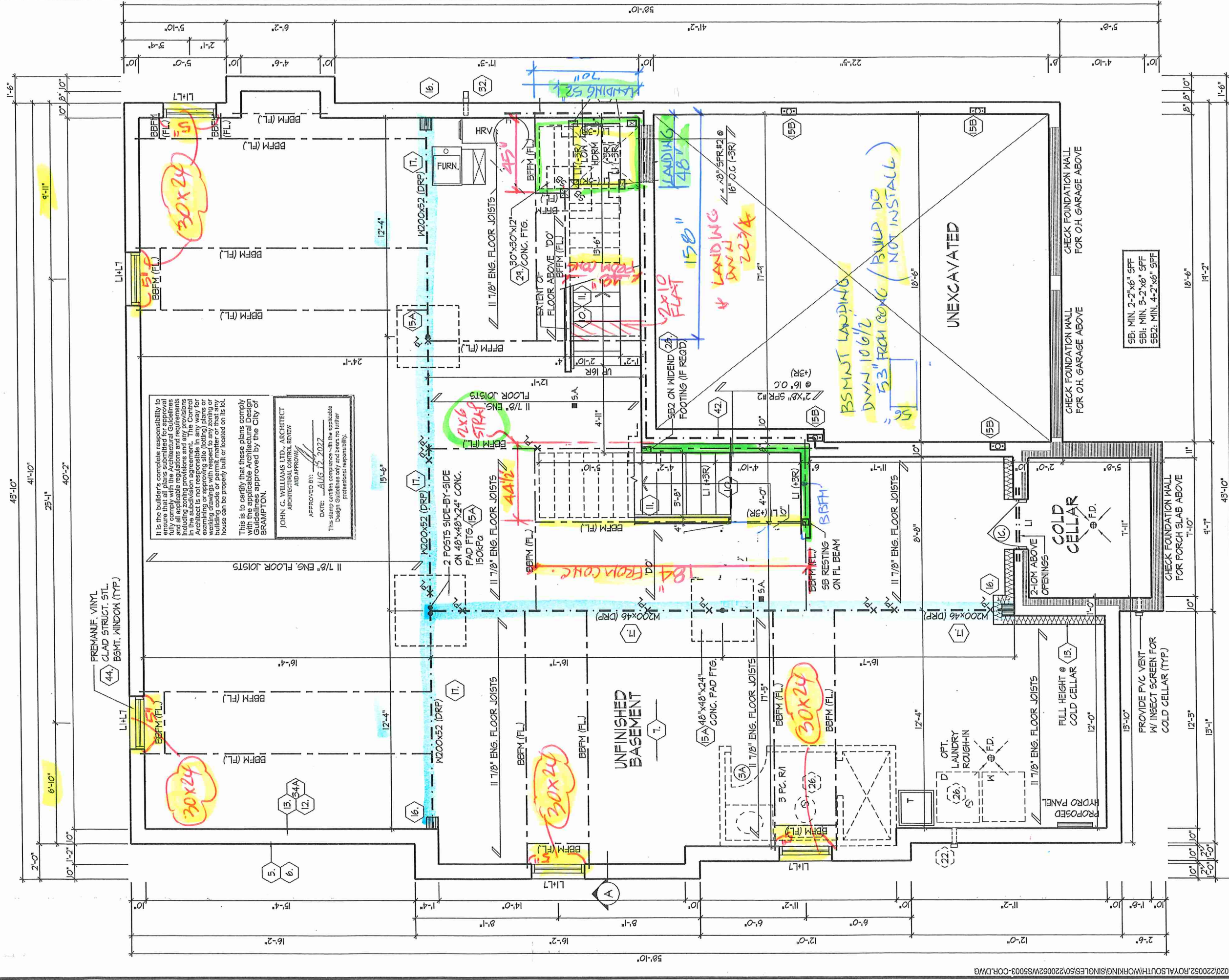




53" From concrete







BASEMENT PLAN, EL. 'A'

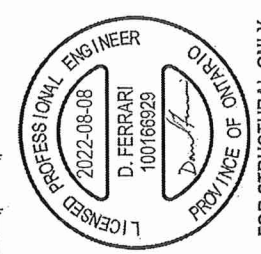
APPROX. LOCATION OF FURNACE AND HOT WATER TANK

REFER TO FLOOR JOIST MANUFACTURER'S DRAWINGS FOR LAYOUT, SPACING, BLOCKING & STRAPPING REQUIREMENTS, INSTALLATION DETAILS AND HANGER SIZES, & SUBFLOOR THICKNESS

PROVIDE SOLID WOOD BLOCKING @ 24" O.C. FOR FIRST JOIST SPAN WHEN PARALLEL W/ EXTERIOR WALL

\* 2x6 TOP PLATE RAYSET TOP OF BEAM.

\* CONFIRM ALL BSMNT WINDOW LOCATIONS ALL WINDOWS 30x24



FOR STRUCTURAL ONLY  
NOT INCLUDING ENGINEERED  
FLOOR OR ROOF SYSTEM

BASEMENT PLAN, ELEV. 'A'

UNIT - 5003-COR

REV. 2022.07.14

ROYAL PINES HOMES - 220052

VALES OF HUMBER 'SOUTH', BRAMPTON, ON.

Drawn By: JLT

Checked By: MM

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

File Number: 220052WS003-COR

Page Number: 2 of 20

HUNT DESIGN ASSOCIATES INC.

www.hunt-design.ca

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

QUALIFICATION INFORMATION

NAME: Derek P. Santos

REGISTRATION INFORMATION

37308

19695

HUNT DESIGN ASSOCIATES INC.

All drawings specifications related documents and design are the copyright property of Hunt Design Associates (H.D.A.). Reproduction of this property in whole or in part is strictly prohibited without H.D.A.'s written permission (H.D.A. assumes no responsibility or liability for this property unless it bears the appropriate BGV number and original signature.)





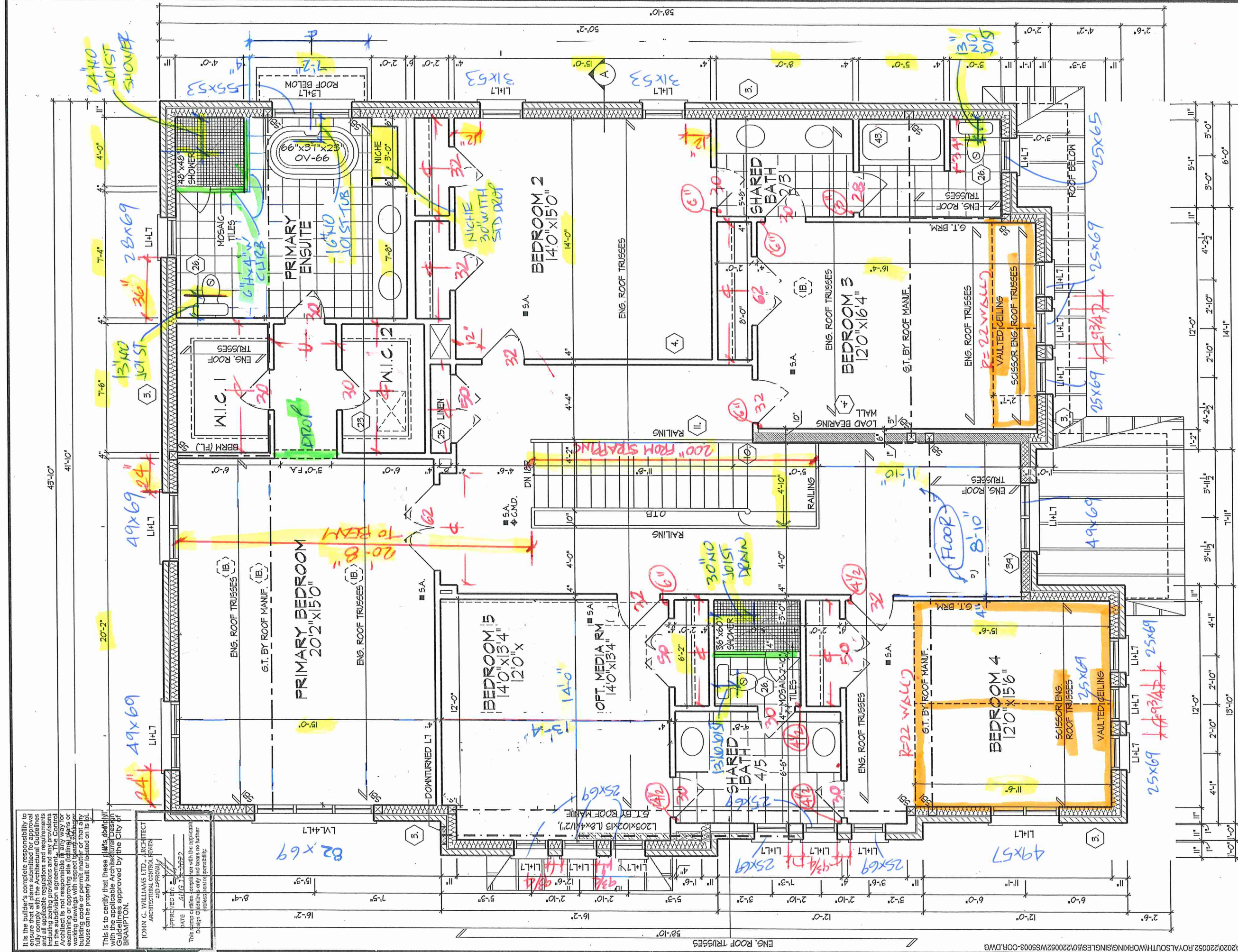


It is the builder's complete responsibility to ensure that all plans submitted for approval fully comply with the Architectural Guidelines and all applicable regulations and requirements including zoning bylaws, and the Ontario Building Code. The Architect is not responsible for any way for working drawings with respect to the building or the construction of the building. The house can be properly built or located on its lot.

JOHN G. WILLIAMS LTD., ARCHITECT  
ARCHITECTURAL CONTROL REVIEW  
AND APPROVAL

APPROVED BY: [Signature]  
DATE: AUG 13, 2022  
This stamp certifies compliance with the applicable Building Code. It does not constitute a professional responsibility.

THIS IS TO CERTIFY THAT THESE PLANS, DRAWINGS, SPECIFICATIONS, AND NOTES COMPLY WITH THE ARCHITECTURAL GUIDELINES APPROVED BY THE CITY OF BRAMPTON.

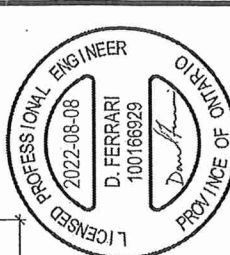


SECOND FLOOR PLAN, EL. 'A'

NOTE: STEP TRUSSES @ RAISED / COFFERED CEILINGS  
REFER TO ROOF TRUSS MANUFACTURER'S DRAWINGS FOR LAYOUT, SPACING, INSTALLATION DETAILS AND HANGER SIZES.

\* WT. DOORS + ARCHES 9/8 1/2  
\* 2x4 L SHAPE BOTTOM CHORD CEILING EVERY 8'  
\* WINDOWS SEE ELEV.

SB: MIN. 2'-2"x6" SFF  
SBI: MIN. 3'-2"x6" SFF  
SB2: MIN. 4'-2"x6" SFF



15

THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNER.  
Derek R. Santos  
NAME  
SIGNATURE  
37308  
BCN  
19695

HUNT DESIGN ASSOCIATES INC.  
DESIGN ASSOCIATES INC.  
www.huntdesign.ca

ROYAL PINES HOMES - 220052  
VALES OF HUMBER 'SOUTH', BRAMPTON, ON.  
Drawn By: JLT  
Checked By: MM  
Scale: 3/16"=1'-0"  
8966 Woodbine Ave, Markham, ON L3R 0J7  
T 905.737.5133 F 905.737.7326  
220052WS003-COR  
Page Number: 4 of 20

UNIT - 5003-COR  
REV. 2022.07.14  
SECOND FLOOR PLAN, ELEV. 'A'

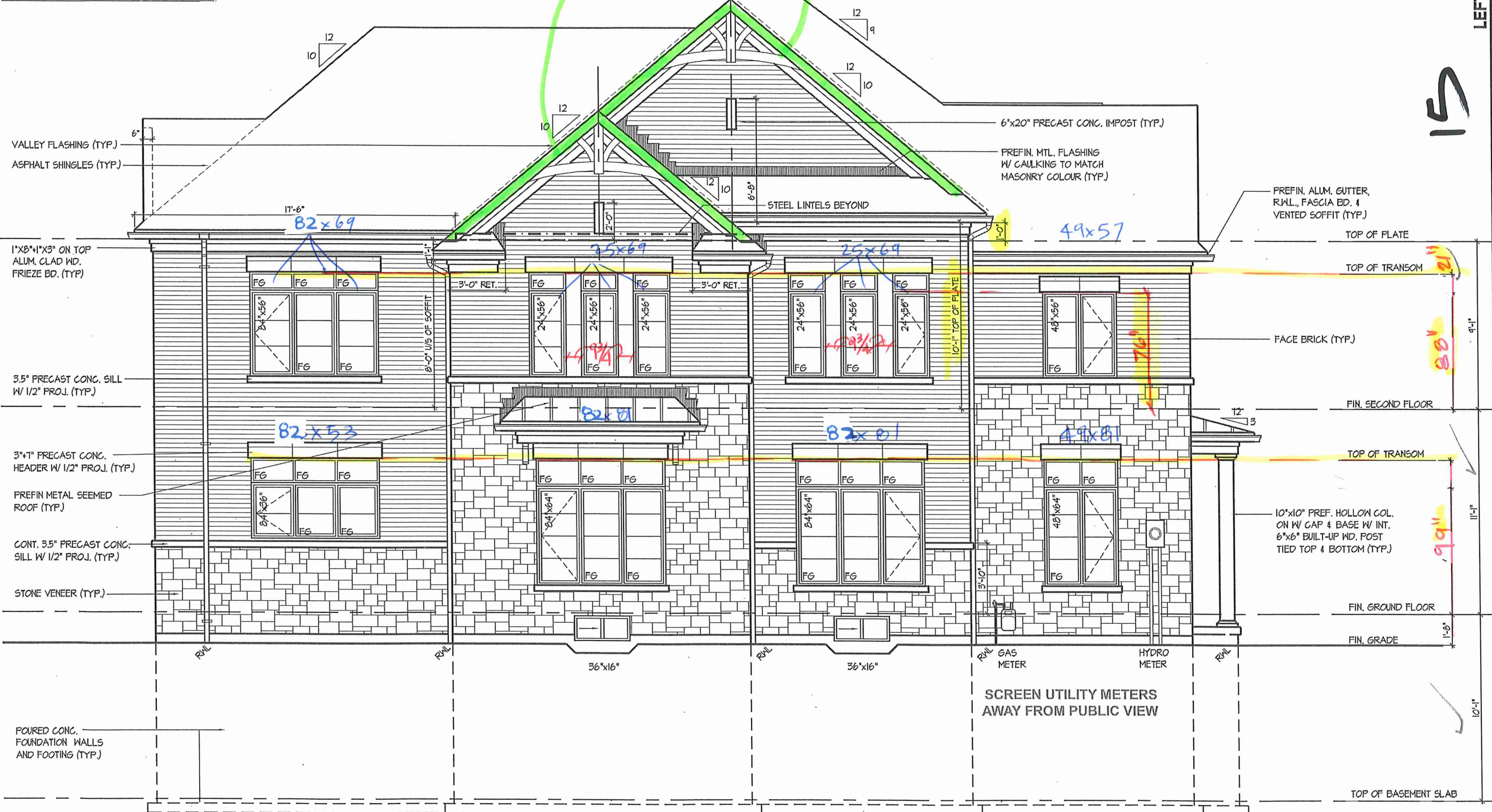


It is the builder's complete responsibility to ensure that all plans submitted for approval fully comply with the Architectural Guidelines and all applicable regulations and requirements including but not limited to the Ontario Building Code, the City of Brampton Design Guidelines, and the applicable Architectural Design Guidelines approved by the City of Brampton.

This is to certify that these plans comply with the applicable Architectural Design Guidelines approved by the City of Brampton.

JOHN G. WILLIAMS LTD. ARCHITECT  
ARCHITECTURAL CONTROL REVIEW  
AND APPROVAL

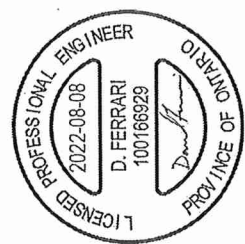
APPROVED BY: \_\_\_\_\_  
DATE: AUG 12, 2022  
This stamp certifies compliance with the applicable Design Guidelines only and bears no further professional responsibility.



FLANKAGE ELEVATION 'A'

ROOF OVERHANGS TO BE 12"  
UNLESS NOTED OTHERWISE

REFER TO STANDARD  
ELEVATION FOR TYPICAL  
NOTES & INFORMATION



FOR STRUCTURAL ONLY  
NOT INCLUDING ENGINEERED  
FLOOR OR ROOF SYSTEM

LEFT SIDE ELEVATION 'A'

15

ROYAL PINES HOMES - 220052  
VALES OF HUMBER 'SOUTH', BRAMPTON, ON.

UNIT - 5003-COR  
REV. 2022.07.14

HUNT  
DESIGN ASSOCIATES INC.

www.huntassociatesinc.ca

Drawn By: JLT  
Checked By: MM  
Scale: 3/16"=1'-0"

File Number: 220052WS5003-COR  
T 905.737.5133 F 905.737.7326

Page Number: 11 of 20

19895  
BON  
37308

NAME: DEREK R. SANTOS  
SIGNATURE: \_\_\_\_\_  
REGISTRATION INFORMATION: \_\_\_\_\_  
HUNT DESIGN ASSOCIATES INC.

THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNER.  
QUALIFICATION INFORMATION: \_\_\_\_\_

All drawings specifications related documents and design are the copyright property of Hunt Design Associates (H.D.A.). Reproduction of this property in whole or in part is strictly prohibited without H.D.A.'s written permission (H.D.A. assumes no responsibility or liability for this property unless it bears the appropriate SDR number and original signature).



JOHN G. WILLIAMS LTD., ARCHITECT  
ARCHITECTURAL CONTROL REVIEW  
AND APPROVAL  
APPROVED BY: [Signature]  
DATE: AUG 12, 2022


FOR STRUCTURAL ONLY  
NOT INCLUDING ENGINEERED  
FLOOR OR ROOF SYSTEM

ROOF PLAN  
EL. 'A'  
N.T.S.



**HUNT**  
DESIGN ASSOCIATES INC.  
[www.huntdesign.ca](http://www.huntdesign.ca)

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

  
Derek R. Santos  
3730

NAME  
SIGNATURE  
REGISTRATION INFORMATION  
ECN  
1999

JUNT DESIGN ASSOCIATES INC.

HUNT DESIGN ASSOCIATES INC. 19695 www.huntassociatesinc.com 6900 Woodbine Ave, Markham, ON L3R 9V2



WHEELS








It is the builder's complete responsibility to ensure that all plans submitted for approval are in accordance with the applicable zoning and all applicable regulations and requirements including zoning provisions and any provisions in the subdivision agreement. The Control Architect is not responsible in any way for working drawings with respect to any zoning or building code or permit matter or that any house can be properly built or located on its lot.

This is to certify that these plans comply with the applicable Architectural Design Guidelines approved by the City of BRAMPTON.

JOHN G. WILLIAMS LTD., ARCHITECT  
ARCHITECTURAL CONTROL REVIEW  
AND APPROVAL  
APPROVED BY:   
DATE: AUG 12, 2022  
This stamp certifies compliance with the applicable Design Guidelines only and bears no further professional responsibility.

ASPHALT SHINGLES (TYP.)

3.5 PRECAST CONC. SILL  
W/ 1/2" PROJ. (TYP.)

FACE BRICK (TYP.)

POURED CONC.  
FOUNDATION WALLS  
AND FOOTING (TYP.)

PREFIN. MTL. FLASHING  
W/ CAULKING TO MATCH  
MASONRY COLOUR (TYP.)

ROOF OVERHANGS TO BE 12"  
UNLESS NOTED OTHERWISE

REFER TO STANDARD  
ELEVATION FOR TYPICAL  
NOTES & INFORMATION

6"x20" PRECAST CONC. IMPOST  
(TYP.)

VALLEY FLASHING (TYP.)

PREFIN. ALUM. GUTTER,  
R.W.L., FASCIA BD. &  
VENTED SOFFIT (TYP.)

1"x8"x1"x3" ON TOP  
ALUM. GLAD WD.  
FRIEZE BD. (TYP.)

3"x4" PRECAST CONC. HEADER  
W/ 1/2" PROJ. (TYP.)

CONT. 3.5" PRECAST CONC.  
SILL W/ 1/2" PROJ. (TYP.)

STONE VENEER (TYP.)

6" PRECAST CONC.  
DOOR SILL (TYP.)

TOP OF PLATE

TOP OF TRANSOM

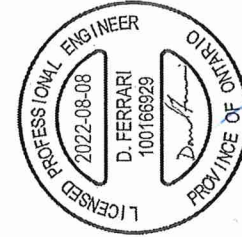
FIN. SECOND FLOOR

FIN. GROUND FLOOR

FIN. GRADE

TOP OF BASEMENT SLAB

UPGRADED REAR ELEVATION 'A'



FOR STRUCTURAL ONLY  
NOT INCLUDING ENGINEERED  
FLOOR OR ROOF SYSTEM


UPGRADED REAR ELEVATION 'A'

ROYAL PINES HOMES - 220052  
VALES OF HUMBER 'SOUTH', BRAMPTON, ON.

**HUNT**  
DESIGN ASSOCIATES INC.

www.huntassociates.ca

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

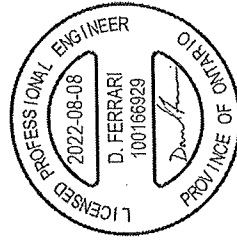
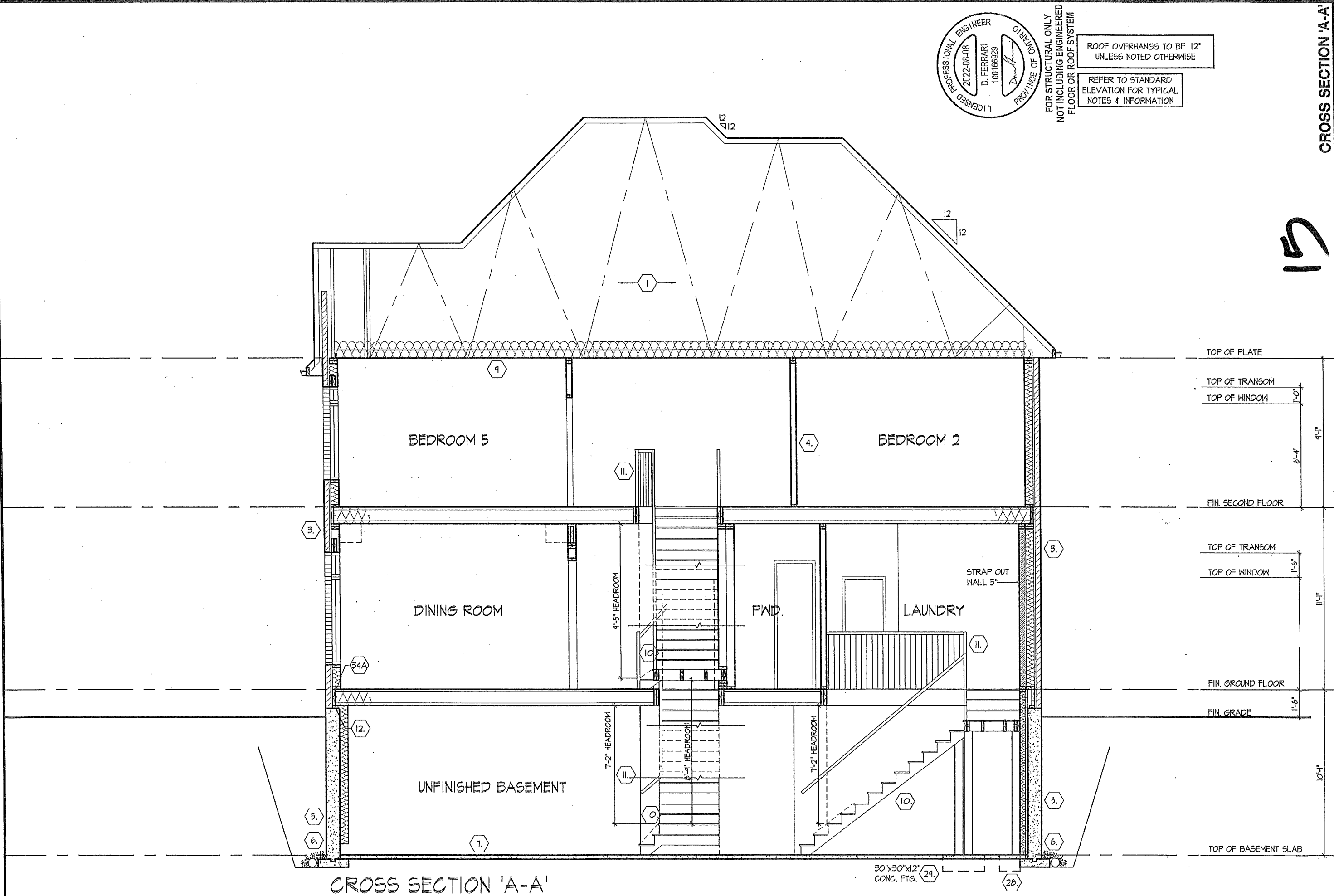
QUALIFICATION INFORMATION  
NAME: Derek R. Santos  
REGISTRATION NUMBER: 37308  
SIGNATURE:   
HUNT DESIGN ASSOCIATES INC.

19695

8966 Woodbine Ave, Markham, ON L3R 0J7  
T 905.737.5133 F 905.737.7326

Page Number  
13 of 20





FOR STRUCTURAL ONLY  
NOT INCLUDING ENGINEERED  
FLOOR OR ROOF SYSTEM

ROOF OVERHANGS TO BE 12"  
UNLESS NOTED OTHERWISE

REFER TO STANDARD  
ELEVATION FOR TYPICAL  
NOTES & INFORMATION

CROSS SECTION 'A-A'

TOP OF PLATE  
TOP OF TRANSOM  
TOP OF WINDOW  
FIN. SECOND FLOOR  
TOP OF TRANSOM  
TOP OF WINDOW  
FIN. GROUND FLOOR  
FIN. GRADE  
TOP OF BASEMENT SLAB

CROSS SECTION 'A-A'

ROYAL PINES HOMES - 220052  
UNIT - 5003-COR  
VALES OF HUMBER 'SOUTH', BRAMPTON, ON.  
REV. 2022.07.14

**HUNT**  
DESIGN ASSOCIATES INC.  
www.huntidesign.ca

THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS  
DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET  
OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNER.  
QUALIFICATION INFORMATION  
Date: R. Santos  
NAME  
REGISTRATION INFORMATION  
HUNT DESIGN ASSOCIATES INC.  
37308  
BCN  
19895

Drawn By: JLT  
Checked By: MM  
Scale: 3/16"=1'-0"  
File Number: 220052WS5003-COR  
T 905.737.5133 F 905.737.7326  
Page Number: 18 of 20

All drawings specifications related documents and design are the copyright property of Hunt Design Associates (H.D.A.). Reproduction of this property in whole or in part is strictly prohibited without H.D.A.'s written permission (H.D.A. assumes no responsibility or liability for this property unless it bears the appropriate BCN number and original signature).



SECTION 1.0. CONSTRUCTION NOTES

- 1

ROOF CONSTRUCTION (9.19, 9.23:13, 9.23.15).  
NO. 210 (10.25 KG/M2) ASPHALT SHINGLES, 3/8" (9.5) PLYWOOD SHEATHING WITH "H" CLIPS, APPROVED WOOD TRUSSES @ 24" (610) O.C. MAX. APPROVED EAVES PROTECTION TO EXTEND 2'-11" (600) FROM EDGE OF ROOF AND MIN. 12" (305) BEYOND INNER FACE OF EXTERIOR WALL, 2"x4" (38x69) TRUSS BRACING @ 6'-0" (1830) O.C. AT BOTTOM CHORD, PREFIN. ALUM. EAVESTROUGH, FASCIA, RVL & VENTED SOFFIT. ATTIC VENTILATION 1:300 OF INSULATED CEILING AREA WITH MIN. 25% OF REQUIRED OPENINGS LOCATED AT TOP OF SPACE, EAVESTROUGH TO BE 4" MIN. WITH RVL DISCHARGING ONTO CONCRETE SPLASH PADS OR PER MUNICIPAL REQUIREMENTS. TOWNHOUSES TO HAVE 5" MIN. EAVESTROUGH WITH ELEC. TRACED HEATER CABLE ALONG EAVESTROUGH AND DOWN RVL.
- 1A

ICE AND WATER SHIELD  
PROVIDE ICE AND WATER SHIELD IN THE AREAS INDICATED. THE ICE AND WATER SHIELD SHALL BE A SELF-ADHERING AND SELF-SEALING MEMBRANE. SIDE LAPS MUST BE A MINIMUM 3 1/2' (90) AND END LAPS A MINIMUM 6' (152), AND TO EXTEND UP DORMER WALLS A MINIMUM 12" (305).
- 1B

PROFILED ROOF TRUSSES  
ROOF TRUSSES SHALL BE PROFILED AND/OR STEPPED AT RAISED COFFER/TRAY CEILINGS. ANGLED TRAY CEILINGS WILL BE SHEATHED W/ 3/8" (9.5) PLYWOOD.
- 2

SIDING WALL CONSTRUCTION (2"x6")  
SIDING MATERIAL AS PER ELEVATION ATTACHED TO FRAMING MEMBERS. FURRING MEMBERS OR BLOCKING BETWEEN THE FRAMING MEMBERS ON APPROVED SHEATHING PAPER ON 3/8" (9.5) EXT. GRADE SHEATHING ON STUDS CONFORMING TO O.B.C. (9.23.10.1.1) & SECTION 1.1.1, INSULATION, APPROVED 6 MIL POLYETHYLENE AIRVAPOUR BARRIER, ON 1/2" (12.7) GYPSUM WALLBOARD INT. FIN. (GYPSUM SHEATHING, RIGID INSULATION, AND FIBERBOARD SHALL NOT BE USED FOR THE ATTACHMENT OF SIDING (9.23.16.3.1.1)) (REFER TO 35 NOTE AS REQ.)
- 2A

SIDING WALL CONSTRUCTION (2"x6") W/ CONTIN. INSULATION  
SIDING MATERIAL AS PER ELEVATION ATTACHED TO FRAMING MEMBERS ON APPROVED AIRWATER BARRIER AS PER O.B.C. 9.27.3, ON EXTERIOR TYPE RIGID INSULATION (JOINTS UNTAPED) MECHANICALLY FASTENED AS PER MANUFACTURER'S SPECIFICATIONS ON 3/8" (9.5) EXT. GRADE SHEATHING ON STUDS CONFORMING TO O.B.C (9.23.10.1.1) & SECTION 1.1, INSULATION, APPROVED 6 MIL POLYETHYLENE AIRVAPOUR BARRIER, ON 1/2" (12.7) GYPSUM WALLBOARD INT. FIN. (GYPSUM SHEATHING, RIGID INSULATION, AND FIBERBOARD SHALL NOT BE USED FOR THE ATTACHMENT OF SIDING (9.23.16.3.1.1)) (REFER TO 35 NOTE AS REQ.)
- 2B

SIDING WALL @ GARAGE CONSTRUCTION  
SIDING MATERIAL AS PER ELEVATION ATTACHED TO FRAMING MEMBERS. FURRING MEMBERS OR BLOCKING BETWEEN THE FRAMING MEMBERS ON APPROVED SHEATHING PAPER ON 3/8" (9.5) EXTERIOR TYPE SHEATHING ON STUDS CONFORMING TO O.B.C (9.23.10.1.1) & SECTION 1.1, 1/2" (12.7) GYPSUM WALLBOARD INTERIOR FINISH, (GYPSUM SHEATHING, RIGID INSULATION AND FIBERBOARD SHALL NOT BE USED FOR THE ATTACHMENT OF SIDING (9.23.16.3.1.1)) (REFER TO 35 NOTE AS REQ.)
- 3

BRICK VENEER WALL CONSTRUCTION (2"x6")  
3 1/2" (90) BRICK VENEER 1" (25) AIR SPACE, 7/8"x7"x0.03" (22x180x0.76) GALV. METAL TIES @ 16" (400) O.C. HORIZ. 2"x4" (600) O.C. VERT. BONDING AND FASTENING FOR TIES TO CONFORM WITH 9.20.9, ON APPROVED SHEATHING PAPER, 3/8" (9.5) EXTERIOR TYPE SHEATHING, STUDS CONFORMING TO O.B.C (9.23.10.1.1) & SECTION 1.1, INSULATION AND 6 mil POLYETHYLENE VAPOUR BARRIER WITH APPROVED CONTIN. AIR BARRIER, 1/2" (12.7) GYPSUM WALLBOARD INTERIOR FINISH, PROVIDE WEEP HOLES @ 32" (800) O.C. BOTTOM COURSE AND OVER OPENINGS. PROVIDE BASE FLASHING UP MIN. 6" (150) OVER RIGID INSULATION (9.20.13.6), (REFER TO 35 NOTE AS REQUIRED)
- 3A

BRICK VENEER WALL CONSTRUCTION (2"x6") W/ CONTIN. INSULATION  
3 1/2" (90) BRICK VENEER 1" (25) AIR SPACE, 7/8"x7"x0.03" (22x180x0.76) GALV. METAL TIES @ 16" (400) O.C. HORIZ. 2"x4" (600) O.C. VERT. BONDING AND FASTENING FOR TIES TO CONFORM WITH 9.20.9, ON APPROVED SHEATHING PAPER, 3/8" (9.5) EXTERIOR TYPE SHEATHING, STUDS CONFORMING TO O.B.C (9.23.10.1.1) & SECTION 1.1, INSULATION AND 6 mil POLYETHYLENE VAPOUR BARRIER WITH APPROVED CONTIN. AIR BARRIER, 1/2" (12.7) GYPSUM WALLBOARD INTERIOR FINISH, PROVIDE WEEP HOLES @ 32" (800) O.C. BOTTOM COURSE AND OVER OPENINGS. PROVIDE BASE FLASHING UP MIN. 6" (150) OVER RIGID INSULATION (9.20.13.6), (REFER TO 35 NOTE AS REQUIRED)
- 3B

BRICK VENEER WALL @ GARAGE CONSTRUCTION  
3 1/2" (90) BRICK VENEER, MIN. 1" (25) AIR SPACE, 7/8"x7"x0.03" (22x180x0.76) GALV. METAL TIES @ 16" (400) O.C. HORIZ. 2"x4" (600) O.C. VERT. BONDING AND FASTENING FOR TIES TO CONFORM WITH 9.20.9, ON APPROVED SHEATHING PAPER, 3/8" (9.5) EXTERIOR TYPE SHEATHING ON STUDS CONFORMING TO O.B.C (9.23.10.1.1) & SECTION 1.1, 1/2" (12.7) GYPSUM WALLBOARD INTERIOR FINISH, PROVIDE WEEP HOLES @ 32" (800) O.C. AT BOTTOM COURSE AND OVER OPENINGS. PROVIDE BASE FLASHING UP 6" (150) MIN. BEHIND BUILDING PAPER (9.20.13.6), (REFER TO 35 NOTE AS REQ.)
- 4

INTERIOR STUD PARTITIONS (9.23.9.8, 9.23.10)  
BEARING PARTITIONS SHALL BE A MINIMUM 2"x4" (38x69) @ 16" (406) O.C. FOR 2 STOREY AND 12" (305) O.C. FOR 3 STOREY, NON-BEARING PARTITIONS 2"x4" (38x69) @ 24" (610) O.C. PROVIDE 2"x4" (38x69) BOTTOM PLATE AND 2-2"x4" (2-38x69) TOP PLATE, 1/2" (12.7) INT. DRYWALL BOTH SIDES OF STUDS, PROVIDE 2"x6" (38x140) STUDS WHERE NOTED. PROVIDE 2"x4" (38x69) @ 24" (610) O.C. LADDER FRAMING WHERE WALLS INTERSECT PERPENDICULAR TO ONE ANOTHER. PROVIDE 2"x4" (38x69) WOOD BLOCKING ON FLAT @ 3'-11" (1194) O.C. MAX. BETWEEN FLOOR JOISTS WHEN NON-LOADBEARING WALLS ARE PARALLEL TO FLOOR JOISTS.
- 4A

EXT. LOFT WALL CONSTRUCTION (2"x6") - NO CLADDING  
3/8" (9.5) EXTERIOR TYPE SHEATHING, STUDS CONFORMING TO O.B.C (9.23.10.1.1) & SECTION 1.1, INSULATION AND 6 mil POLYETHYLENE VAPOUR BARRIER WITH APPROVED CONT. AIR BARRIER, 1/2" (12.7) GYPSUM WALLBOARD INT. FINISH, (9.23.16.3)
- 4B

EXT. LOFT WALL CONSTRUCTION (2"x6")  
APPROVED AIRWATER BARRIER AS PER O.B.C. 9.27.3, ON EXTERIOR TYPE RIGID INSULATION (JOINTS UNTAPED) MECHANICALLY FASTENED AS PER MANUFACTURER'S SPECIFICATIONS, ON 3/8" (9.5) EXTERIOR TYPE SHEATHING, STUDS CONFORMING TO O.B.C (9.23.10.1.1) & SECTION 1.1, INSULATION AND 6 mil POLYETHYLENE VAPOUR BARRIER WITH APPROVED CONT. AIR BARRIER, 1/2" (12.7) GYPSUM WALLBOARD INT. FINISH, (9.23.16.3)
- 5

FOUNDATION WALL/FOOTINGS  
POURED CONC. FOUNDATION WALL AS PER CHART BELOW ON CONTINUOUS KEYED CONCRETE FOOTING. FOUNDATION WALLS SHALL EXTEND NOT LESS THAN 6" (150) ABOVE FINISHED GRADE. THE OUTSIDE OF THE FOUNDATION SHALL BE DAMPROOFED FROM THE TOP OF THE FOOTING TO FINISHED GRADE AND BRUSH COAT FROM THE TOP TO 2" BELOW GRADE. PROVIDE A DRAINAGE LAYER ON THE OUTSIDE OF THE FOUNDATION WALL. SEAL THE DRAINAGE LAYER AT THE TOP. THE TOP OF THE CONC. FOOTING SHALL BE DAMPROOFED. CONCRETE FOOTINGS SUPPORTING JOIST SPANS GREATER THAN 16'-11" (4800) SHALL BE SIZED IN ACCORDANCE WITH 9.15.3.4 (1.12) OF THE O.B.C. (REFER TO CHART BELOW FOR RESPECTIVE SIZE). BRACE FOUNDATION WALL PRIOR TO BACKFILLING. ALL FOOTINGS SHALL REST ON NATURAL UNDISTURBED SOIL OF 150kPa OR COMPACTED ENGINEERED FILL WITH MIN. BEARING CAPACITY OF 750kPa. IF SOIL BEARING DOES NOT MEET MINIMUM CAPACITY, ENGINEERED FOOTINGS ARE REQUIRED. ACTUAL SOIL BEARING CAPACITY TO BE VERIFIED WITH SOIL ENGINEERING REPORT.  
REFER TO CONSTRUCTION DRAWINGS AND DETAILS FOR FOUNDATION WALL STRENGTH AND THICKNESS AND 9.15.4.  
FOUNDATION WALLS SHALL NOT EXCEED 9'-10" (3.0m) IN UNSUPPORTED HEIGHT UNLESS OTHERWISE NOTED. (9.15.4.2.1.1.)
- 5A

FOUNDATION REDUCTION IN THICKNESS FOR MASONRY  
WHERE THE TOP OF THE FOUNDATION WALL IS REDUCED IN THICKNESS TO PERMIT THE INSTALLATION OF MASONRY EXTERIOR FACING, THE REDUCED SECTION SHALL BE NOT LESS THAN 3 1/2" (90) THICK. THE BRICK VENEER SHALL BE TIED TO THE FOUNDATION WALL WITH CORROSION RESISTANT METAL TIES @ 7'-0" (200) VERTICAL AND 2'-11" (889) HORIZONTAL. FILL VOID WITH MORTAR BETWEEN WALL AND BRICK VENEER (9.15.4.7.2)(3) & 9.20.9.4(3))

5B

FOUNDATION REDUCTION IN THICKNESS FOR JOISTS  
WHERE THE TOP OF THE FOUNDATION WALL IS REDUCED IN THICKNESS TO PERMIT THE INSTALLATION OF FLOOR JOISTS, THE REDUCED SECTION SHALL BE NOT MORE THAN 13 3/4" (343) HIGH & NOT LESS THAN 3 1/2" (90) THICK (9.15.4.7.1(1))

6

WEEPING TILE (9.14.3)  
4" (100) Ø WEEPING TILE W/ FILTER CLOTH WRAP & 6" (152) CRUSHED STONE COVER

7

BASEMENT SLAB OR SLAB ON GRADE (9.16.4), (9.13).  
3" (80) MIN. 28MPa (3600psi) CONC. SLAB ON 4" (100) COARSE GRANULAR FILL, OR 20MPa (2800psi) CONC. WITH DAMPROOFING BELOW SLAB. PROVIDE 1/2" (12.7) IMPERVIOUS BOARD FOR BOND BREAK AT EDGE. WHERE A BASEMENT SLAB IS WITHIN 24" (610) OF THE EXTERIOR GRADE PROVIDE RIGID INSUL. AROUND THE PERIMETER EXTENDING MIN. 24" (610) BELOW GRADE. FOR SLAB ON GRADE-CONDITIONS RIGID INSULATION SHALL BE APPLIED TO THE UNDERSIDE OF THE ENTIRE SLAB. (9.15.4.7.2)(3) & 9.20.9.4(3))

8

EXPPOSED FLOOR TO EXTERIOR (9.10.17.10, & CANULC-S705.2)  
PROVIDE SPRAY FOAM INSULATION BETWEEN CANT. JOIST AND INSTALL OSB CONFIRMING TO 9.23.9.3, FIN. SOFFIT OR CLADDING AS PER ELEVATION TO US OF EXPPOSED CANT. JOIST.

9

EXPPOSED CEILING TO EXTERIOR w/ ATTIC (9.25.2.4)  
INSULATION 6 mil POLYETHYLENE VAPOUR BARRIER, 1/2" (12.7) GYPSUM BOARD INTERIOR FINISH OR APPROVED EQ.

10

EXPPOSED CEILING TO EXTERIOR w/o ATTIC  
JOISTS/TRUSSES AS PER PLANS W/ 2"x2" (38x38) PURLINS @ 16" (406) O.C. PERPENDICULAR TO JOISTS (PURLINS NOT REQ. W/ SPRAY FOAM) OR ROOF TRUSSES) W/ INSULATION BETWEEN JOIST, 6 mil POLYETHYLENE VAPOUR BARRIER, 1/2" (12.7) GYPSUM BOARD INT. FINISH OR APPROVED EQ. (CANULC-S705.2, 9.19.1, 9.10.17.10)

ALL STAIRS/EXTERIOR STAIRS (9.8.1.2, 9.8.2, 9.8.4.)

	MAX. RISE	MIN. RISE	MAX. RUN	MIN. RUN	ALL STAIRS
PRIVATE	7' 1/8" (200)	5" (125)	14" (355)	10" (255)	MAX. NOSING 1" (25)
PUBLIC	7' (180)	5" (125)	NO LIMIT	11" (280)	
			MIN. STAIR WIDTH	TAPERED TREADS	
PRIVATE	2'-0" (660)		MIN. RUN	5' 7/8" (150)	
			MIN. AVG. RUN	10" (255)	
PUBLIC	2'-11" (900)		MIN. RUN	5' 7/8" (150)	
			MIN. AVG. RUN	11" (280)	

19A

GARAGE TO HOUSE WALLS/CEILING W/ CONTIN. INSULATION  
1/2" (12.7) GYPSUM BOARD ON CEILING AND ON WALLS INSTALLED OVER EXTERIOR TYPE RIGID INSULATION (JOINTS UNTAPED) MECHANICALLY FASTENED AS PER MANUFACTURER'S SPECIFICATIONS ON 3/8" EXTERIOR GRADE SHEATHING ON STUDS BETWEEN HOUSE AND GARAGE. PLUS REQUIRED INSULATION IN WALLS & SPRAY FOAM FOR CEILINGS. TAPE AND SEAL ALL JOINTS GAS TIGHT. (9.10.9.16., 9.10.17.10, CANULC-S705.2)

20

GARAGE DOOR TO HOUSE  
GAS-PROOF DOOR AND FRAME. DOOR EQUIPPED WITH SELF CLOSING DEVICE AND WEATHER STRIPPING.

21

EXTERIOR AND GARAGE STEPS  
PRECAST CONC. STEP OR WOOD STEP WHERE NOT EXPOSED TO WEATHER. MAX RISE 7 7/8" (200), MIN. TREAD 10" (255). FOR THE REQUIRED NUMBER OF STEPS REFER TO SITING AND GRADING DRAWINGS. EXTERIOR CONCRETE STAIRS WITH MORE THAN 2 RISERS AND 2 TREADS SHALL BE PROVIDED WITH FOUNDATION AS REQUIRED BY ARTICLE 9.8.9.2. OR SHALL BE CANTILEVERED AS PER SUBSECTION 9.8.10.

22

DRYER EXHAUST  
CAPPED DRYER EXHAUST VENTED TO EXT. CONFORMING TO PART 6, OBC 9.32.

23

ATTIC ACCESS (9.19.2.1)  
ATTIC ACCESS HATCH WITH MIN. AREA OF 0.32m2 AND NO DIM. LESS THAN 21 1/2" (545) WITH WEATHER STRIPPING. HATCHWAYS TO THE ATTIC OR ROOF SPACE WILL BE FITTED WITH DOORS OR COVERS AND WILL BE INSULATED WITH MIN. R20 (RSI 3.52) (9.15.4.7.2)(3) & 1.1.1.8(1.1))

24

FIREPLACE CHIMNEYS (9.2.1)  
TOP OF FIREPLACE CHIMNEY SHALL BE 2'-11" (889) ABOVE THE HIGHEST POINT AT WHICH IT COMES IN CONTACT WITH THE ROOF AND 2'-0" (610) ABOVE THE ROOF SURFACE WITHIN A HORIZ. DISTANCE OF 10'-0" (3048) FROM THE CHIMNEY.

25

LINEN CLOSET  
PROVIDE 4 SHELVES MIN. 14" (356) DEEP.

26

MECHANICAL VENTILATION (9.32.1.3).  
MECHANICAL EXHAUST FAN, VENTED TO EXTERIOR, TO PROVIDE AT LEAST ONE AIR CHANGE PER HOUR. SEE GENERAL NOTE 2.3.

27

PARTY WALL BEARING (9.23.8)  
12"x12"x6"8" (305x305x15.9) STEEL PLATE FOR STEEL BEAMS AND 12"x12"x17/2" (305x305x12.7) STEEL PLATE FOR WOOD BEAMS BEARING (MIN. 3'-1/2" (891) ON CONC. BLOCK PARTY WALL, ANCHORED WITH 2-3/4" (2-19) x 8" (200) LONG GALV. ANCHORS WITHIN SOLID BLOCK COURSE. LEVEL W/ NON-SHRINK GROUT. REFER TO NOTE SOLID BEARING (SECTION 3.0) FOR WD. STUD PARTY WALL.

28

WOOD FRAMING IN CONTACT TO CONCRETE  
WOOD BEARING WALLS, THE UNDERSIDE OF BUILT-UP WOOD POSTS AND SILLS SHALL BE WRAPPED WITH 2 mil POLY. STRIP FOOTINGS SUPPORTING THE FOUNDATION WALL SHALL BE WIDENED 6" (152) BELOW THE BEARING WALL AND/OR WOOD POST. (9.17.4.3.)

29

BUILT-UP WOOD POST AND FOOTING (9.17.4.1., 9.15.3.7.).  
3-2"x6" (3-38x140) BUILT-UP WOOD POST (UNLESS OTHERWISE NOTED) ON METAL BASE SHOE ANCHORED TO CONC. WITH 1/2" (12.7) Ø BOLT, 24"x24"x12" (610x610x305) CONC. FOOTING OR AS PROVIDED ON PLAN. REFER TO NOTE 28

30

STEP FOOTINGS (9.15.3.9)  
MIN. HORIZ. STEP = 23 5/8" (600), MAX. VERT. STEP = 23 5/8" (600).

31

CONC. PORCH SLAB (9.16.4)  
FILL, 4" (100) CONCRETE SLAB ON GRADE ON 4" (100) COARSE GRANULAR FIN., REINFORCED WITH 666xW2.9xW2.9 MESH PLACED NEAR MID-DEPTH OF SLAB. CONC. STRENGTH 32MPa (4640psi) WITH 5-8% AIR ENTRAINMENT ON COMPACTED SUB-GRADE.

32

FURNACE VENTING (9.32.4)  
DIRECT VENT FURNACE TERMINAL MIN. 3'-0" (915) FROM A GAS REGULATOR, MIN. 12" (305) ABOVE FIN. GRADE, FROM ALL OPENINGS, EXHAUST AND INTAKE VENTS, HRV INTAKE TO BE A MIN. OF 6'-0" (1830) FROM ALL EXHAUST TERMINALS. REFER TO GAS UTILIZATION CODE.

33

FIREPLACE VENTING (9.32.3)  
DIRECT VENT GAS FIREPLACE VENT TO BE A MIN. 12" (305) FROM ANY OPENING AND ABOVE FIN. GRADE. REFER TO GAS UTILIZATION CODE.

34

FLOOR FRAMING (9.23.3.5., 9.23.9.4., 9.23.14.)  
TAG SUBFLOOR ON WOOD FLOOR JOISTS. FOR CERAMIC TILE APPLICATION SEE O.B.C. 9.30.6. ALL JOISTS WHERE REQUIRED TO BE BRIDGED WITH 2"x2" (38x38) CROSS BRACING OR SOLID BLOCKING @ 6'-11" (2108) O.C. MAX. ALL JOISTS TO BE STRAPPED WITH 1"x3" (19x64) @ 6'-11" (2108) O.C. UNLESS A PANEL TYPE CEILING FINISH IS APPLIED.

34A

HEADER CONSTRUCTION  
PROVIDE CONTINUOUS APPROVED AIRVAPOUR BARRIER (HEADER WRAP) UNDER THE SILL PLATE. AROUND THE RIM BOARD AND UNDER THE BOTTOM PLATE. THE HEADER WRAP SHALL EXTEND 6" (152) BELOW THE TOP OF FOUNDATION WALL AND WILL BE SEALED TO THE CONCRETE FOUNDATION WALL. EXTEND HEADER WRAP 6" (152) UP THE INTERIOR SIDE OF THE STUD WALL AND OVERLAP WITH THE VAPOUR BARRIER AND SEAL THE JOINT. ALL EDGES/JOINTS MUST BE MECHANICALLY CLAMPED.

35

EXPPOSED BUILDING FACE w/ LIMITING DISTANCE <= 3'-11" (1.20m)  
WALL ASSEMBLY CONTAINS INSULATION CONFORMING TO CANULC-S702 & HAVING A MASS OF NOT LESS THAN 1.22 KG/M2 OF WALL SURFACE AND 1/2" (12.7) TYPE X GYPSUM WALLBOARD INTERIOR FINISH. EXTERIOR CLADDING MUST BE NON-COMBUSTIBLE WHEN LIMITING DISTANCE IS 23 5/8" (0.60m) OR LESS. WALL ASSEMBLY REQUIRES TO HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN 45 MINUTES & CONFORMING TO O.B.C. (9.10.14, OR 9.10.15). REFER TO DETAILS FOR TYPE & SPECS. \*\* AN OPENING IN AN EXPOSING BUILDING FACE NOT MORE THAN 20'x5' (130cm2) SHALL NOT BE CONSIDERED AN UNPROTECTED OPENING AS PER 9.10.14.6.

36

COLD CELLAR PORCH SLAB (9.30.3)  
FOR MAX. 8'-2" (2500) PORCH DEPTH, 5" (127) 32 MPa (4640psi) CONC. SLAB W/ 5-8% AIR ENTRAINMENT. REINF. WITH 10M BARS @ 7' 7/8" (200) O.C. EACH DIRECTION, W/ 1 1/4" (32) CL. EAV COVER FROM BOTTOM OF SLAB TO FIRST LAYER OF BARS & SECOND LAYER OF BARS LAID DIRECTLY ON TOP OF LOWER LAYER IN OPPOSITE DIR. 24"x24" (610x610) 10M DOWELS @ 23 5/8" (600) O.C., ANCHORED IN PERIMETER FND. WALLS. SLOPE SLAB 1.0% FROM DOOR.

37

RANGE HOODS AND RANGE-TOP FANS  
COOKING APPLIANCE EXHAUST FANS VENTED TO EXTERIOR MUST CONFORM TO OBC 9.10.22, 9.32.9.3, & 9.32.3.10.

38

CONVENTIONAL ROOF FRAMING (9.23.18., 9.23.15.)  
2"x6" (38x140) RAFTERS @ 16" (406) O.C., 2"x8" (38x184) RIDGE BOARD, 2"x4" (38x69) COLLAR TIES AT MID-SPAN, CEILING JOISTS TO BE 2"x4" (38x69) @ 16" (406) O.C. FOR MAX. 9'-3" (2819) SPAN & 2"x6" (38x140) @ 16" (406) O.C. FOR MAX. SPAN 14'-7" (4480). RAFTERS FOR BUILT UP ROOF OVER PRE-ENGINEERED ROOF TRUSSES AND OR CONVENTIONAL FRAMING TO BE 2"x4" (38x69) @ 24" (610) O.C. UNLESS OTHERWISE SPECIFIED.

15

	MAX. RISE	MIN. RISE	MAX. RUN	MIN. RUN	ALL STAIRS
PRIVATE	7' 1/8" (200)	5" (125)	14" (355)	10" (255)	MAX. NOSING 1" (25)
PUBLIC	7' (180)	5" (125)	NO LIMIT	11" (280)	
			MIN. STAIR WIDTH	TAPERED TREADS	
PRIVATE	2'-0" (660)		MIN. RUN	5' 7/8" (150)	
			MIN. AVG. RUN	10" (255)	
PUBLIC	2'-11" (900)		MIN. RUN	5' 7/8" (150)	
			MIN. AVG. RUN	11" (280)	

AVERAGE RUN OF TAPERED TREAD MEASURED AT A POINT 300mm FROM THE CENTERLINE OF INSIDE HANDRAIL (9.8.4.3).  
\*\* HEIGHT OVER STAIRS (HEADROOM) IS MEASURED VERTICALLY ACROSS WIDTH OF STAIRS FROM A STRAIGHT LINE TO THE TREAD & LANDING NOSING TO LOWEST POINT ABOVE AND NOT LESS THAN 6'-5" (1950) FOR SINGLE DWELLING UNIT & 6'-8 3/4" (2050) FOR EVERYTHING ELSE. (9.8.2.2)  
REQUIRED LANDING IN GARAGE - O.B.C. 9.8.6.2.(3).  
FOR AN EXTERIOR STAIR SERVING A GARAGE W/ MORE THAN 3 RISERS, GUARDS, HANDRAILS & STEPS AS PER CONSTRUCTION HEX NOTE 10 & 11.

39

GUARDS/HANDRAILS (9.8.7., 9.8.8).  
GUARDS TO BE DESIGNED NOT TO FACILITATE CLIMBING AND PROVIDING MAX. OPENING CONFORMING TO O.B.C. 9.8.8.5, & 9.8.8.6. AND BE ABLE TO RESIST LOADS AS PER TABLE 9.8.8.2.  
GUARD HEIGHTS - O.B.C. 9.8.8.

32

FURNACE VENTING (9.32.4)  
DIRECT VENT FURNACE TERMINAL MIN. 3'-0" (915) FROM A GAS REGULATOR, MIN. 12" (305) ABOVE FIN. GRADE, FROM ALL OPENINGS, EXHAUST AND INTAKE VENTS, HRV INTAKE TO BE A MIN. OF 6'-0" (1830) FROM ALL EXHAUST TERMINALS. REFER TO GAS UTILIZATION CODE.

33

FIREPLACE VENTING (9.32.3)  
DIRECT VENT GAS FIREPLACE VENT TO BE A MIN. 12" (305) FROM ANY OPENING AND ABOVE FIN. GRADE. REFER TO GAS UTILIZATION CODE.

34

FLOOR FRAMING (9.23.3.5., 9.23.9.4., 9.23.14.)  
TAG SUBFLOOR ON WOOD FLOOR JOISTS. FOR CERAMIC TILE APPLICATION SEE O.B.C. 9.30.6. ALL JOISTS WHERE REQUIRED TO BE BRIDGED WITH 2"x2" (38x38) CROSS BRACING OR SOLID BLOCKING @ 6'-11" (2108) O.C. MAX. ALL JOISTS TO BE STRAPPED WITH 1"x3" (19x64) @ 6'-11" (2108) O.C. UNLESS A PANEL TYPE CEILING FINISH IS APPLIED.

34A

HEADER CONSTRUCTION  
PROVIDE CONTINUOUS APPROVED AIRVAPOUR BARRIER (HEADER WRAP) UNDER THE SILL PLATE. AROUND THE RIM BOARD AND UNDER THE BOTTOM PLATE. THE HEADER WRAP SHALL EXTEND 6" (152) BELOW THE TOP OF FOUNDATION WALL AND WILL BE SEALED TO THE CONCRETE FOUNDATION WALL. EXTEND HEADER WRAP 6" (152) UP THE INTERIOR SIDE OF THE STUD WALL AND OVERLAP WITH THE VAPOUR BARRIER AND SEAL THE JOINT. ALL EDGES/JOINTS MUST BE MECHANICALLY CLAMPED.

35

EXPPOSED BUILDING FACE w/ LIMITING DISTANCE <= 3'-11" (1.20m)  
WALL ASSEMBLY CONTAINS INSULATION CONFORMING TO CANULC-S702 & HAVING A MASS OF NOT LESS THAN 1.22 KG/M2 OF WALL SURFACE AND 1/2" (12.7) TYPE X GYPSUM WALLBOARD INTERIOR FINISH. EXTERIOR CLADDING MUST BE NON-COMBUSTIBLE WHEN LIMITING DISTANCE IS 23 5/8" (0.60m) OR LESS. WALL ASSEMBLY REQUIRES TO HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN 45 MINUTES & CONFORMING TO O.B.C. (9.10.14, OR 9.10.15). REFER TO DETAILS FOR TYPE & SPECS. \*\* AN OPENING IN AN EXPOSING BUILDING FACE NOT MORE THAN 20'x5' (130cm2) SHALL NOT BE CONSIDERED AN UNPROTECTED OPENING AS PER 9.10.14.6.

36

COLD CELLAR PORCH SLAB (9.30.3)  
FOR MAX. 8'-2" (2500) PORCH DEPTH, 5" (127) 32 MPa (4640psi) CONC. SLAB W/ 5-8% AIR ENTRAINMENT. REINF. WITH 10M BARS @ 7' 7/8" (200) O.C. EACH DIRECTION, W/ 1 1/4" (32) CL. EAV COVER FROM BOTTOM OF SLAB TO FIRST LAYER OF BARS & SECOND LAYER OF BARS LAID DIRECTLY ON TOP OF LOWER LAYER IN OPPOSITE DIR. 24"x24" (610x610) 10M DOWELS @ 23 5/8" (600) O.C., ANCHORED IN PERIMETER FND. WALLS. SLOPE SLAB 1.0% FROM DOOR.

37

RANGE HOODS AND RANGE-TOP FANS  
COOKING APPLIANCE EXHAUST FANS VENTED TO EXTERIOR MUST CONFORM TO OBC 9.10.22, 9.32.9.3, & 9.32.3.10.

38

CONVENTIONAL ROOF FRAMING (9.23.18., 9.23.15.)  
2"x6" (38x140) RAFTERS @ 16" (406) O.C., 2"x8" (38x184) RIDGE BOARD, 2"x4" (38x69) COLLAR TIES AT MID-SPAN, CEILING JOISTS TO BE 2"x4" (38x69) @ 16" (406) O.C. FOR MAX. 9'-3" (2819) SPAN & 2"x6" (38x140) @ 16" (406) O.C. FOR MAX. SPAN 14'-7" (4480). RAFTERS FOR BUILT UP ROOF OVER PRE-ENGINEERED ROOF TRUSSES AND OR CONVENTIONAL FRAMING TO BE 2"x4" (38x69) @ 24" (610) O.C. UNLESS OTHERWISE SPECIFIED.

15

	MAX. RISE	MIN. RISE	MAX. RUN	MIN. RUN	ALL STAIRS
PRIVATE	7' 1/8" (200)	5" (125)	14" (355)	10" (255)	MAX. NOSING 1" (25)
PUBLIC	7' (180)	5" (125)	NO LIMIT	11" (280)	
			MIN. STAIR WIDTH	TAPERED TREADS	
PRIVATE	2'-0" (660)		MIN. RUN	5' 7/8" (150)	
			MIN. AVG. RUN	10" (255)	
PUBLIC	2'-11" (900)		MIN. RUN	5' 7/8" (150)	
			MIN. AVG. RUN	11" (280)	

AVERAGE RUN OF TAPERED TREAD MEASURED AT A POINT 300mm FROM THE CENTERLINE OF INSIDE HANDRAIL (9.8.4.3).  
\*\* HEIGHT OVER STAIRS (HEADROOM) IS MEASURED VERTICALLY ACROSS WIDTH OF STAIRS FROM A STRAIGHT LINE TO THE TREAD & LANDING NOSING TO LOWEST POINT ABOVE AND NOT LESS THAN 6'-5" (1950) FOR SINGLE DWELLING UNIT & 6'-8 3/4" (2050) FOR EVERYTHING ELSE. (9.8.2.2)  
REQUIRED LANDING IN GARAGE - O.B.C. 9.8.6.2.(3).  
FOR AN EXTERIOR STAIR SERVING A GARAGE W/ MORE THAN 3 RISERS, GUARDS, HANDRAILS & STEPS AS PER CONSTRUCTION HEX NOTE 10 & 11.

39

GUARDS/HANDRAILS (9.8.7., 9.8.8).  
GUARDS TO BE DESIGNED NOT TO FACILITATE CLIMBING AND PROVIDING MAX. OPENING CONFORMING TO O.B.C. 9.8.8.5, & 9.8.8.6. AND BE ABLE TO RESIST LOADS AS PER TABLE 9.8.8.2.  
GUARD HEIGHTS - O.B.C. 9.8.8.

32

FURNACE VENTING (9.32.4)  
DIRECT VENT FURNACE TERMINAL MIN. 3'-0" (915) FROM A GAS REGULATOR, MIN. 12" (305) ABOVE FIN. GRADE, FROM ALL OPENINGS, EXHAUST AND INTAKE VENTS, HRV INTAKE TO BE A MIN. OF 6'-0" (1830) FROM ALL EXHAUST TERMINALS. REFER TO GAS UTILIZATION CODE.

33

FIREPLACE VENTING (9.32.3)  
DIRECT VENT GAS FIREPLACE VENT TO BE A MIN. 12" (305) FROM ANY OPENING AND ABOVE FIN. GRADE. REFER TO GAS UTILIZATION CODE.

34

FLOOR FRAMING (9.23.3.5., 9.23.9.4., 9.23.14.)  
TAG SUBFLOOR ON WOOD FLOOR JOISTS. FOR CERAMIC TILE APPLICATION SEE O.B.C. 9.30.6. ALL JOISTS WHERE REQUIRED TO BE BRIDGED WITH 2"x2" (38x38) CROSS BRACING OR SOLID BLOCKING @ 6'-11" (2108) O.C. MAX. ALL JOISTS TO BE STRAPPED WITH 1"x3" (19x64) @ 6'-11" (2108) O.C. UNLESS A PANEL TYPE CEILING FINISH IS APPLIED.

34A

HEADER CONSTRUCTION  
PROVIDE CONTINUOUS APPROVED AIRVAPOUR BARRIER (HEADER WRAP) UNDER THE SILL PLATE. AROUND THE RIM BOARD AND UNDER THE BOTTOM PLATE. THE HEADER WRAP SHALL EXTEND 6" (152) BELOW THE TOP OF FOUNDATION WALL AND WILL BE SEALED TO THE CONCRETE FOUNDATION WALL. EXTEND HEADER WRAP 6" (152) UP THE INTERIOR SIDE OF THE STUD WALL AND OVERLAP WITH THE VAPOUR BARRIER AND SEAL THE JOINT. ALL EDGES/JOINTS MUST BE MECHANICALLY CLAMPED.

35

EXPPOSED BUILDING FACE w/ LIMITING DISTANCE <= 3'-11" (1.20m)  
WALL ASSEMBLY CONTAINS INSULATION CONFORMING TO CANULC-S702 & HAVING A MASS OF NOT LESS THAN 1.22 KG/M2 OF WALL SURFACE AND 1/2" (12.7) TYPE X GYPSUM WALLBOARD INTERIOR FINISH. EXTERIOR CLADDING MUST BE NON-COMBUSTIBLE WHEN LIMITING DISTANCE IS 23 5/8" (0.60m) OR LESS. WALL ASSEMBLY REQUIRES TO HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN 45 MINUTES & CONFORMING TO O.B.C. (9.10.14, OR 9.10.15). REFER TO DETAILS FOR TYPE & SPECS. \*\* AN OPENING IN AN EXPOSING BUILDING FACE NOT MORE THAN 20'x5' (130cm2) SHALL NOT BE CONSIDERED AN UNPROTECTED OPENING AS PER 9.10.14.6.

36

COLD CELLAR PORCH SLAB (9.30.3)  
FOR MAX. 8'-2" (2500) PORCH DEPTH, 5" (127) 32 MPa (4640psi) CONC. SLAB W/ 5-8% AIR ENTRAINMENT. REINF. WITH 10M BARS @ 7' 7/8" (200) O.C. EACH DIRECTION, W/ 1 1/4" (32) CL. EAV COVER FROM BOTTOM OF SLAB TO FIRST LAYER OF BARS & SECOND LAYER OF BARS LAID DIRECTLY ON TOP OF LOWER LAYER IN OPPOSITE DIR. 24"x24" (610x610) 10M DOWELS @ 23 5/8" (600) O.C., ANCHORED IN PERIMETER FND. WALLS. SLOPE SLAB 1.0% FROM DOOR.

37

RANGE HOODS AND RANGE-TOP FANS  
COOKING APPLIANCE EXHAUST FANS VENTED TO EXTERIOR MUST CONFORM TO OBC 9.10.22, 9.32.9.3, & 9.32.3.10.

38

CONVENTIONAL ROOF FRAMING (9.23.18., 9.23.15.)  
2"x6" (38x140) RAFTERS @ 16" (406) O.C., 2"x8" (38x184) RIDGE BOARD, 2"x4" (38x69) COLLAR TIES AT MID-SPAN, CEILING JOISTS TO BE 2"x4" (38x69) @ 16" (406) O.C. FOR MAX. 9'-3" (2819) SPAN & 2"x6" (38x140) @ 16" (406) O.C. FOR MAX. SPAN 14'-7" (4480). RAFTERS FOR BUILT UP ROOF OVER PRE-ENGINEERED ROOF TRUSSES AND OR CONVENTIONAL FRAMING TO BE 2"x4" (38x69) @ 24" (610) O.C. UNLESS OTHERWISE SPECIFIED.

15

	MAX. RISE	MIN. RISE	MAX. RUN	MIN. RUN	ALL STAIRS
PRIVATE	7' 1/8" (200)	5" (125)	14" (355)	10" (255)	MAX. NOSING 1" (25)
PUBLIC	7' (180)	5" (125)	NO LIMIT	11" (280)	
			MIN. STAIR WIDTH	TAPERED TREADS	
PRIVATE	2'-0" (660)		MIN. RUN	5' 7/8" (150)	
			MIN. AVG. RUN	10" (255)	



cont. SECTION 1.0. CONSTRUCTION NOTES

39

**TWO STOREY VOLUME SPACES** (9.23.10.1., 9.23.11., 9.23.16.)

WALL ASSEMBLY	WIND LOADS
EXTERIOR	SPACING MAX HEIGHT SPACING MAX HEIGHT
2-2"x8" (2-38x140)	12" (305) O.C. 18"4" (5588)
SIDING SPR.#2	16" (406) O.C. 18"4" (5588)
BRICK	12" (305) O.C. 21"0" (6400)
SIDING SPR.#2	16" (406) O.C. 21"0" (6400)

\*\* STUD SIZE & SPACING TO BE VERIFIED BY STRUCTURAL ENGINEER \*\*

SHEDS ARE TO BE CONTINUOUS CW 3/8" (9.5) THICK EXTERIOR PLYWOOD SHEATHING. PROVIDE SOLID WOOD BLOCKING BETWEEN WOOD STUDS @ 4'-0" (1220) O.C. VERTICALLY.

- FOR HORIZ. DISTANCES LESS THAN 9'-6" (2896) PROVIDE 2"x6" (38x140) STUDS @ 16" (406) O.C. WITH CONTIN. 2-2"x6" (2-38x140) TOP PLATE + 1-2"x6" (1-38x140) BOTTOM PLATE & MIN. OF 3-2"x6" (3-38x184) CONC. HEADER AT HEADS. CEILING LEVEL. TOE-NAILED & GLUED AT TOP, BOTTOM PLATES & FLOORS.

40

**1 HR. PARTY WALL (CONC. BLOCK)** (SB-3) WALL TYPE B86f & B16f)

1/2" (12.7) GYPSUM SHEATHING ON EACH SIDE ON 2"x2" (88x38) VERTICAL WD. STRAPPING @ 24" (610) O.C. ON 8" (200) CONC. BLOCK FILL STRAPPING CAVITY EACH SIDE WITH AT LEAST 90% OF ABSORPTIVE MATERIAL PROCESSED FROM ROCK, SLAG OR GLASS. TAPE, FILL & SAND ALL GYPSUM JOINTS. EXPOSED BLOCK MUST BE STRAPPED & 1/2" (12.7) GYPSUM SHEATHING.

40

**1 HR. PARTY WALL (DOUBLE STUD)** (SB-3) WALL TYPE W136c)

5/8" (15.9) TYPE X GYPSUM SHEATHING ON EXTERIOR SIDE OF 2 ROWS OF 2"x4" (38x89) STUDS @ 16" (406) O.C. MIN. 1" (25) APART ON SEPARATE 2"x4" (38x89) SILL PLATES. (2"x6" (38x140) AS REQUIRED) FILL ONE SIDE OF STUD CAVITY WITH AT LEAST 60% OF ABSORPTIVE MATERIAL PROCESSED FROM ROCK, SLAG OR GLASS. TAPE FILL AND SAND ALL GYPSUM JOINTS.

40A

**2 HR. FIREWALL** (SB-3) WALL TYPE B86f & B16f)

1/2" (12.7) GYPSUM SHEATHING ON EACH SIDE ON 2"x2" (88x38) VERTICAL WOOD STRAPPING @ 24" (610) O.C. ON 8" (200) CONC. BLOCK 75% SOLID. FILL STRAPPING CAVITY EACH SIDE WITH AT LEAST 90% OF ABSORPTIVE MATERIAL PROCESSED FROM ROCK, SLAG OR GLASS. TAPE, FILL & SAND ALL GYPSUM JOINTS. AT UNFINISHED AREAS, EXTERIOR FACE OF CONC. BLOCK TO BE SEALED WITH 2 COATS OF PAINT. GYPSUM SHEATHING TO BE ATTACHED TO CONC. BLOCK. (REFER TO DETAILS)

41

**STUCCO WALL CONSTRUCTION (2"x6")**

STUCCO FINISH CONFORMING TO O.B.C. SECTION 9.28. AND APPLIED PER MANUFACTURERS SPECIFICATIONS OVER 1 1/2" (38) E.L.F.S. (MINIMUM) ON APPROVED DRAINAGE MAT ON 1/2" (12.7) DENSGLOSS GOLD GYPSUM BOARD ON STUDS CONFORMING TO O.B.C (9.23.10.1.) & SECTION 1.1., INSULATION, APPROVED 6 MIL. POLYETHYLENE VAPOUR BARRIER, 1/2" (12.7) GYPSUM WALLBOARD INT. FINISH. (REFER TO 35 NOTE AS REQUIRED)

41A

**STUCCO WALL CONSTRUCTION (2"x6") W/ CONTIN. INSUL.**

STUCCO FINISH CONFORMING TO O.B.C. SECTION 9.28. AND APPLIED PER MANUFACTURERS SPECIFICATIONS OVER 1 1/2" (38) E.L.F.S. (MINIMUM) ON APPROVED DRAINAGE MAT ON APPROVED AIR/WATER BARRIER AS PER O.B.C. 9.27.3. ON EXTERIOR TYPE RIGID INSULATION (JOINTS UNTAPED) MECHANICALLY FASTENED AS PER MANUFACTURERS SPECIFICATIONS. ON 7/16" EXTERIOR TYPE SHEATHING ON STUDS CONFORMING TO O.B.C (9.23.10.1.) & SECTION 1.1., INSULATION, APPROVED 6 MIL. POLYETHYLENE VAPOUR BARRIER, 1/2" (12.7) GYPSUM WALLBOARD INT. FINISH. (REFER TO 35 NOTE AS REQUIRED)

41B

**STUCCO WALL @ GARAGE CONST.**

STUCCO FINISH CONFORMING TO O.B.C. SECTION 9.28. AND APPLIED PER MANUFACTURERS SPECIFICATIONS OVER 1 1/2" (38) E.L.F.S. (MINIMUM) ON APPROVED DRAINAGE MAT ON 1/2" (12.7) DENSGLOSS GOLD GYPSUM BRD. ON STUDS CONFORMING TO O.B.C (9.23.10.1.) & SECTION 1.1., 1/2" (12.7) GYPSUM WALLBOARD INT. FINISH. (REFER TO 35 NOTE AS REQ.)

\*\*\* FOR DWELLINGS USING CONTIN. INSULATION CONSTRUCTION PROVIDE APPROVED DRAINAGE MAT ON 7/16" (11) EXTERIOR TYPE SHEATHING OVER FLOORING (AS REQ.) AND STUDS IN LIEU OF 1 1/2" (38) E.L.F.S. (MINIMUM) ON APPROVED DRAINAGE MAT ON 1/2" (12.7) DENSGLOSS GOLD GYPSUM BRD.

42

**UNSUPPORTED FOUNDATION WALLS** (9.15.4.2.)

REINFORCING AT STAIRS AND SUNKEN FLOOR AREAS

3-20M 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

REINFORCING AT BASEMENT WINDOWS

2-15M HORIZ. REINFORCING ON THE INSIDE AND OUTSIDE FACE OF THE FOUNDATION WALL BELOW THE WIN. SILL. EXTEND BARS 24" (610) BEYOND THE OPENING. 2-15M VERTICAL REINFORCING ON THE INSIDE AND OUTSIDE FACE OF THE FOUNDATION WALL ON EACH SIDE OF THE WINDOW OPENING.

- BARS TO HAVE MIN. 1" (25) CONC. COVER

- BARS TO EXTEND 2'-0" (610) BEYOND BOTH SIDES OF OPENING

43

**STUD WALL REINFORCEMENT**

PROVIDE STUD WALL REINFORCEMENT IN MAIN BATHROOM CONFORMING TO O.B.C. (9.5.3.3.(1)) (REFER TO DETAILS)

44

**WINDOW WALLS**

WHERE A WINDOW OPENS INTO A WINDOW WELL, A CLEARANCE OF NOT LESS THAN 21 5/8" (550) SHALL BE PROVIDED IN FRONT OF THE WINDOW. EVERY WINDOW WELL SHALL BE DRAINED TO THE FOOTING LEVEL OR OTHER SUITABLE LOCATION WITH A 4" (100) WEEPING TILE C/W A FILTER CLOTH WRAP AND FILLED WITH CRUSHED STONE. (9.9.10.1.(5), 9.14.6.3.)

45

**SLOPED CEILING CONSTRUCTION** (SB-12) 3.1.1.8., 9.23.4.2.)

2"x12" (38x286) ROOF JOISTS @ 16" (406) O.C. MAX. (UNLESS OTHERWISE NOTED) W/ 2"x2" (88x38) PURLINS @ 16" (406) O.C. PERPENDICULAR TO ROOF JOIST (PURLINS NOT REQ. W/ SPRAY FOAM) W/ INSULATION BETWEEN JOIST, 6 MIL POLYETHYLENE VAPOUR BARRIER, 1/2" (12.7) GYPSUM WALLBOARD INT. FINISH OR APPROVED EQ. INSULATION VALUE DIRECTLY ABOVE THE INNER SURFACE OF EXTERIOR WALLS SHALL NOT BE LESS THAN R20 (5.52 RSI).

46

**FLAT ROOF/BALCONY CONSTRUCTION**

WATERPROOFING MEMBRANE (9.26.11., 9.26.15., 9.26.16) FULLY ADHERED TO 5/8" (15.9) T&G EXTERIOR GRADE PLYWOOD SHEATHING ON 2"x2" (88x38) PURLINS ANGLED TOWARDS SLOPPER @ 2% MINIMUM LAID PERPENDICULAR TO 2"x8" (88x184) FLOOR JOISTS @ 16" (406) O.C. (UNLESS OTHERWISE NOTED). BUILT UP CURB TO BE 4" (100) MIN. ABOVE FINISHED BALCONY FLOOR. CONTINUOUS 1" TRIM DRIP EDGE TO BE PROVIDED ON OUTSIDE FACE OF CURB. SCUPPER DRAIN TO BE LOCATED 24" (610) MIN. AWAY FROM HOUSE. PREFINISHED ALUMINIUM OR PANEL FOR UNDERSIDE OF SOFFIT (9.23.2.3). REMOVE CURB WHERE REQ.

47

**BALCONY CONDITION**

SEE FLAT ROOF/BALCONY CONSTRUCTION NOTE. INCLUDE 2"x4" (38x89) PT. DECKING W/ 1/4" (6.4) GAPS LAID FLAT PARALLEL TO JOISTS ON 2"x4" (38x89) PT. SLEEPERS @ 12" (305) O.C. LAID FLAT PERPENDICULAR TO JOISTS

**BALCONY OVER HEATED SPACE CONDITION**

SEE FLAT ROOF/BALCONY CONSTRUCTION NOTE FOR ASSEMBLY. REFER TO PLANS FOR FLOOR JOIST SIZE & REFER TO HEX NOTE 9 FOR INSULATION AND INTERIOR FINISH

47

**BARREL WALL CONSTRUCTION**

CANTILEVERED 2"x4" (38x89) SPACERS LAID FLAT ON 2"x10" (88x235) SPR. #2 ROOF JOIST NAILED TO BUILT-UP 5/34" (19) PLYWOOD HEADER PROFILED FOR BARREL. SPRAY FOAM INSULATION BETWEEN JOISTS W/ GYPSUM BOARD. INTERIOR FIN. (REFER TO DETAILS)

SECTION 1.1. WALL STUDS

- REFER TO THIS CHART FOR STUD SIZE & SPACING AS REQUIRED FOR EXTERIOR WALLS ONLY. REFER TO SITING & GRADING PLAN OF THIS UNIT FOR CONFORMATION OF TOP OF FOUNDATION WALL AND ADDITIONAL INFORMATION.

- IF STUD WALL HEIGHT EXCEEDS MAX. UNSUPPORTED HEIGHT, WALL NEEDS TO BE REVIEWED AND APPROVED BY ENGINEER.

SIZE & SPACING OF STUDS: (OBC REFERENCE - TABLE 9.23.10.1.)		SUPPORTED LOADS (EXTERIOR)	
MIN. STUD SIZE, in (mm)	ROOF W/ OR W/O ATTIC & 1 FLOOR/ATTIC & 2 FLOOR/ATTIC & 3 FLOOR	ROOF W/ OR W/O ATTIC & 1 FLOOR/ATTIC & 2 FLOOR/ATTIC & 3 FLOOR	MAX. STUD SPACING, in (mm)
2"x4" (38x89)	24" (610)	16" (405)	12" (305)
2"x6" (38x140)	9"10" (3.0)	9"10" (3.0)	18" (406)
	24" (610)	16" (405)	12" (305)
	9"10" (3.0)	11"10" (3.6)	5"11" (1.8)

SECTION 2.0. GENERAL NOTES

**2.1. WINDOWS**

1) EXCEPT WHERE A DOOR ON THE SAME FLOOR LEVEL, AS THE BEDROOM PROVIDES DIRECT ACCESS TO THE EXTERIOR, EVERY FLOOR LEVEL CONTAINING A BEDROOM IS TO HAVE AT LEAST ONE OUTSIDE WINDOW W/ MIN. 0.35m<sup>2</sup> UNOBSTRUCTED OPEN PORTION W/ NO DIMENSION LESS THAN 1'-3" (380). CAPABLE OF MAINTAINING THE OPENING WITHOUT THE NEED FOR ADDITIONAL SUPPORT, CONFORMING TO 9.9.10.

2) WINDOW GUARDS: A GUARD OR A WINDOW WITH A MAXIMUM RESTRICTED OPENING WIDTH OF 4" (100) IS REQUIRED WHERE THE TOP OF THE WINDOW SILL IS LOCATED LESS THAN 1'-7" (480) ABOVE FIN. FLOOR AND THE DISTANCE FROM THE FINISHED FLOOR TO THE ADJACENT GRADE IS GREATER THAN 5'-11" (1800). (9.8.8.1.)

3) WINDOWS IN EXIT STAIRWAYS THAT EXTEND TO LESS THAN 2'-11" (800) (3'-6" (1070) FOR ALL OTHER BUILDINGS) SHALL BE PROTECTED BY GUARDS IN ACCORDANCE WITH NOTE #2 (ABOVE). OR THE WINDOW SHALL BE NON-OPERABLE AND DESIGNED TO WITHSTAND THE SPECIFIED LOADS FOR BALCONY GUARDS AS PROVIDED IN 4.1.5.15 OR 9.8.8.2

4) REFER TO TITLE PAGE FOR MAX. U-VALUE REQUIREMENTS

2.2. CEILING HEIGHTS

THE CEILING HEIGHTS OF ROOMS AND SPACES SHALL CONFORM TO TABLE 9.5.3.1.

ROOM OR SPACE	MINIMUM HEIGHTS
LIVING ROOM, DINING ROOM AND KITCHEN	7'-7" OVER 75% OF REQUIRED FLOOR AREA WITH A CLEAR HEIGHT OF 6'-11" AT ANY POINT
BEDROOM	7'-7" OVER 50% OF REQUIRED FLOOR AREA OF 6'-11" OVER ALL OF THE REQUIRED FLOOR AREA.
BASEMENT	6'-11" OVER AT LEAST 75% OF THE BASEMENT AREA EXCEPT THAT UNDER BEAMS AND DUCTS THE CLEARANCE IS PERMITTED TO BE REDUCED TO 6'-5".
BATHROOM, LAUNDRY AREA ABOVE GRADE	6'-11" IN ANY AREA WHERE A PERSON WOULD NORMALLY BE STANDING
FINISHED ROOM NOT MENTIONED ABOVE	6'-11"
MEZZANINES	6'-11" ABOVE & BELOW FLOOR ASSEMBLY (9.5.3.2.)
STORAGE GARAGE	6'-7" (9.5.3.3.)

2.3. MECHANICAL / PLUMBING

1) MECHANICAL VENTILATION IS REQUIRED TO PROVIDE 0.7 AIR CHANGE PER HOUR IF NOT AIR CONDITIONED 1 PER HOUR IF AIR CONDITIONED AVERAGED OVER 24 HOURS. WHEN A VENTILATION FAN (PRINCIPAL EXHAUST) IS REQUIRED, CONFORM TO OBC 9.32.3.4. WHEN A HRV IS REQUIRED, CONFORM TO 9.32.3.11. REFER TO MECHANICAL DRAWINGS.

2) REFER TO HOT WATER TANK MANUFACTURER SPECS. CONFORM TO OBC 9.31.6.

3) REFER TO TITLE PAGE FOR SPACE HEATING EQUIPMENT, HRV AND DOMESTIC HOT WATER HEATER MINIMUM EFFICIENCIES.

4) DRAIN WATER HEAT RECOVERY UNIT(S) WILL BE INSTALLED CONFORMING TO THE REQUIREMENTS OF SB12 - 3.1.1.12. OF THE O.B.C.

2.4. LUMBER

1) ALL LUMBER SHALL BE SPRUCE No.2 GRADE OR BETTER, UNLESS NOTED OTHERWISE.

2) STUDS SHALL BE STUD GRADE SPRUCE, UNLESS NOTED OTHERWISE.

3) LUMBER EXPOSED TO THE EXTERIOR TO BE SPRUCE No. 2 GRADE PRESSURE TREATED OR CEDAR, UNLESS NOTED OTHERWISE.

4) ALL LAMINATED VENEER LUMBER (LVL) BEAMS, GIRDER TRUSSES, AND METAL HANGER CONNECTIONS SUPPORTING ROOF FRAMING TO BE DESIGNED & CERTIFIED BY FLOOR AND ROOF TRUSS MANUFACTURER.

5) JOIST HANGERS: PROVIDE APPROVED METAL HANGERS FOR ALL JOISTS AND BUILT-UP WOOD MEMBERS INTERSECTING WITH FLUSH BUILT-UP WOOD MEMBERS.

6) WOOD FRAMING NOT TREATED WITH A WOOD PRESERVATIVE IN CONTACT WITH CONCRETE, SHALL BE SEPARATED FROM THE CONC. BY AT LEAST 2 mil POLYETHYLENE FILM, No.50 (150S) FULL ROOFING OR OTHER DAMPROOFING MATERIAL, EXCEPT WHERE THE WOOD MEMBER IS AT LEAST 6" (152) ABOVE THE GROUND.

2.5. STEEL

1) STRUCTURAL STEEL SHALL CONFORM TO CAN/CSA-G40-21 GRADE 350W. HOLLOW STRUCT. SECTIONS SHALL CONFORM TO CAN/CSA-G40-21 GRADE 350W CLASS "H".

2) REINFORCING STEEL SHALL CONFORM TO CSA-G30-18M GRADE 400R.

2.6. FLAT ARCHES

1) FOR 8'-0" (2440) CEILINGS, FLAT ARCHES SHALL BE 6'-10" (2080) A.F.F.

2) FOR 9'-0" (2740) CEILINGS, FLAT ARCHES SHALL BE 7'-10" (2400) A.F.F.

3) FOR 10'-0" (3040) CEILINGS, FLAT ARCHES SHALL BE 8'-5" (2600) A.F.F.

2.7. ROOF OVERHANGS

1) ALL ROOF OVERHANGS SHALL BE 1'-0" (305), UNLESS NOTED OTHERWISE.

2.8. FLASHING

1) FLASHING MATERIALS & INSTALLATION SHALL CONFORM TO O.B.C.

2.9. GRADING

1) THE BUILDING SHALL BE LOCATED OR THE BUILDING SITE GRADED SO THE WATER WILL NOT ACCUMULATE AT OR NEAR THE BUILDING AND WILL NOT ADVERSELY AFFECT ADJACENT PROPERTIES. CONFORM TO 9.14.6.

2.10. ULC SPECIFIED ASSEMBLIES

ALL REQUIRED INDIVIDUAL COMPONENTS THAT FORM PART OF ANY ULC LISTED ASSEMBLY, SPECIFIED WITHIN THESE DRAWINGS, CANNOT BE ALTERED OR SUBSTITUTED FOR ANY OTHER MATERIAL/PRODUCT OR SPECIFIED MANUFACTURER THAT IS IDENTIFIED IN THAT SPECIFIED ULC LISTING. THERE SHALL BE NO DEVIATIONS UNDER ANY CIRCUMSTANCES IN ANY ULC LISTED ASSEMBLY IDENTIFIED IN THESE DRAWINGS.

SECTION 3.0. LEGEND

**3.1. WOOD LINTELS AND BUILT-UP WOOD**

(DIVISION B PART 9, TABLE A8 TO A10 AND A12, A15 & A16)

FORMING PART OF SENTENCE 9.23.4.2.(3), 9.23.4.2.(4), 9.23.13.8.(2), 9.37.3.1.(1)

2"x8" SPRUCE #2	2"x10" SPRUCE #2	2"x12" SPRUCE #2
L1 2'2"x8" (2'38x184)	L3 2'2"x10" (2'38x235)	L5 2'2"x12" (2'38x286)
B1 3'2"x8" (3'38x184)	B3 3'2"x10" (3'38x235)	B5 3'2"x12" (3'38x286)
B2 4'2"x8" (4'38x184)	B4 4'2"x10" (4'38x235)	B6 4'2"x12" (4'38x286)
B7 5'2"x8" (5'38x184)	B8 5'2"x10" (5'38x235)	B9 5'2"x12" (5'38x286)

ENGINEERED LUMBER SCHEDULE			
1 3/4" x 9 1/2" LVL	1 3/4" x 11 7/8" LVL	1 3/4" x 14" LVL	
LVL2 1-1 3/4"x9 1/2"	LVL3 1-1 3/4"x11 7/8"	LVL10 1-1 3/4"x14"	
LVL4 2-1 3/4"x9 1/2"	LVL6 2-1 3/4"x11 7/8"	LVL11 2-1 3/4"x14"	
LVL5 3-1 3/4"x9 1/2"	LVL7 3-1 3/4"x11 7/8"	LVL12 3-1 3/4"x14"	
LVL8 4-1 3/4"x9 1/2"	LVL9 4-1 3/4"x11 7/8"	LVL13 4-1 3/4"x14"	

**3.2. STEEL LINTELS SUPPORTING MASONRY VENEER**

(DIVISION B PART 9, TABLE 9.20.5.2.B.)

FORMING PART OF SENTENCE 9.20.5.2.(2) & 9.20.5.2.(3)

CODE	SIZE	BRICK	STONE
L7	3 1/2" x 3 1/2" x 1 1/4" (89 x 89 x 6.4)	8-1" (2.47m)	7-6" (2.30m)
L8	4" x 3 1/2" x 1 1/4" (102 x 89 x 6.4)	8-5" (2.68m)	8-1" (2.48m)
L9	5" x 3 1/2" x 5/16" (127 x 89 x 7.9)	10-10" (3.31m)	10-1" (3.03m)
L10	5" x 3 1/2" x 7/16" (127 x 89 x 11)	11-5" (3.49m)	10-7" (3.24m)
L11	6" x 3 1/2" x 7/16" (152 x 89 x 11)	12-6" (3.82m)	11-7" (3.54m)
L12	7" x 4" x 7/16" (178 x 102 x 11)	14-1" (4.30m)	13-1" (3.99m)

REFER TO SB-12 ENERGY EFFICIENCY DESIGN MATRIX ON THE TITLE PAGE FOR ALL VALUES AS REQUIRED PER 3.1.1., 3.1.2., 3.1.3. OF THE OBC.

3.3. DOOR SCHEDULE

CONFORMING TO SECTIONS 9.5.11., 9.6., 9.7.2.1., 9.7.5.2. & 9.10.13.10	
1 EXTERIOR	2-8" x 6-8" x 1-3/4" (815 x 2030 x 45) INSULATED MIN. R4 (RSI 0.7)
1A EXTERIOR	2-10" x 6-8" x 1-3/4" (865 x 2030 x 45) INSULATED MIN. R4 (RSI 0.7)
1B EXTERIOR	3-0" x 6-8" x 1-3/4" (760 x 2030 x 45) INSULATED MIN. R4 (RSI 0.7)
1C EXTERIOR	2-6" x 6-8" x 1-3/4" (760 x 2030 x 45) INSULATED MIN. R4 (RSI 0.7) (SEE HEX NOTE 20)
1D EXTERIOR	2-8" x 6-8" x 1-3/4" (815 x 2030 x 45) INS. MIN. R4 (RSI 0.7)
1E EXTERIOR	3-0" x 8'-0" x 1-3/4" (915 x 2440 x 45) INSULATED MIN. R4 (RSI 0.7)
1F EXTERIOR	2-8" x 8'-0" x 1-3/4" (815 x 2440 x 45) INSULATED MIN. R4 (RSI 0.7)
2A EXTERIOR	2-5" x 6-8" x 1-3/4" (815 x 2030 x 45) 20 MIN. F.R.R. DOORFRAME WITH APP. SELF-CLOSING DEVICE.
2 INTERIOR	2-8" x 6-8" x 1-3/8" (815 x 2030 x 35)
3 INTERIOR	2-6" x 6-8" x 1-3/8" (760 x 2030 x 35)
3A INTERIOR	2-4" x 6-8" x 1-3/8" (710 x 2030 x 35)
4 INTERIOR	2-0" x 6-8" x 1-3/8" (610 x 2030 x 35)
4A INTERIOR	2-2" x 6-8" x 1-3/8" (660 x 2030 x 35)
5 INTERIOR	1-6" x 6-8" x 1-3/8" (460 x 2030 x 35)

3.4. ACRONYMS

AFF	ABOVE FINISHED FLOOR	JST	JOIST
B8FM	BEAM BY FLOOR MANUFACTURER	LIN	LINEN CLOSET
BG	FIXED GLASS W/ BLACK BACKING	LVL	LAMINATED VENEER LUMBER
BM	BEAM	OTBA	OPEN TO BELOW/ABOVE
B8RM	BEAM BY ROOF MANUFACTURER	PL	POINT LOAD
CRF	CONVENTIONAL ROOF FRAMING	PLT	PLATE
CW	COMPLETE WITH	PT	PRESSURE TREATED
DJ/TJ	DOUBLE JOIST/ TRIPLE JOIST	PTD	PAINTED
DO	DO OVER	PWD	POWDER ROOM
DRP	DROPPED	RWL	RAIN WATER LEADER
ENG	ENGINEERED	SB	SOLID BEARING WOOD POST
EST	ESTIMATED	SBFA	SB FROM ABOVE
FA	FLAT ARCH	SJ	SINGLE JOIST
FD	FLOOR DRAIN	SPR	SPRUCE
FG	FIXED GLASS	STL	STEEL
FL	FLUSH	T/O	TOP OF
FLR	FLOOR	TYP	TYPICAL
GT	GIRDER TRUSS	UIS	UNDERSIDE
HB	HOSE BIB	WD	WOOD
HRV	HOT RETURN VENTILATION UNIT	WIC	WALK IN CLOSET
HWT	HOT WATER TANK	WP	WEATHER PROOF

3.5. SYMBOLS

ALL ELECTRICAL FACILITIES SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 9.34.	
⊖	CLASS 'B' VENT
⊖	EXHAUST VENT
⊖	DUPLEX OUTLET (12" HIGH)
⊖	DUPLEX OUTLET (HEIGHT AS NOTED A.F.F.)
⊖	HEAVY DUTY OUTLET
⊖	POT LIGHT
⊖	LIGHT FIXTURE (PULL CHAIN)
⊖	LIGHT FIXTURE (CEILING MOUNTED)
⊖	LIGHT FIXTURE (WALL MOUNTED)
⊖	CABLE T.V. JACK
⊖	TELEPHONE JACK
⊖	CENTRAL VACUUM OUTLET
⊖	CHANDELIER (CEILING MOUNTED)

SA SMOKE ALARM (9.10.19.)

PROVIDE ONE PER FLOOR NEAR THE STAIRS CONNECTING THE FLOOR LEVEL. ALARMS ARE TO BE INSTALLED IN EACH SLEEPING ROOM AND IN A LOCATION BETWEEN SLEEPING ROOMS AND CONNECTING HALLWAYS AND WIRED TO BE INTERCONNECTED TO ACTIVATE ALL ALARMS IF ONE SOUNDS. ALARMS ARE TO BE CONNECTED TO AN ELECTRICAL CIRCUIT AND WITH A BATTERY BACKUP. ALARM SIGNAL SHALL MEET TEMPORAL SOUND PATTERNS MIN. ALARMS SHALL HAVE A VISUAL SIGNALLING COMPONENT AS PER THE NATIONAL FIRE ALARM AND SIGNALING CODE 72.

CMD CARBON MONOXIDE ALARM (9.33.4.)

\*\* CHECK LOCAL BY-LAWS FOR REQUIREMENTS \*\* A CARBON MONOXIDE ALARM(S) CONFORMING TO CAN/CSA-6.19 SHALL BE INSTALLED ON OR NEAR THE CEILING IN EACH DWELLING UNIT ADJACENT TO EACH SLEEPING AREA. CARBON MONOXIDE ALARM(S) SHALL BE PERMANENTLY WIRED WITH NO DISCONNECT SWITCH, WITH AN ALARM THAT IS AUDIBLE WITHIN SLEEPING ROOMS WHEN THE INTERVENING DOORS ARE CLOSED.

SB SOLID BEARING (BUILT-UP WOOD COLUMNS AND STUD POSTS)

THE WIDTH OF A WOOD COLUMN SHALL NOT BE LESS THAN THE WIDTH OF SUPPORTED MEMBER. BUILT-UP WOOD COLUMNS SHALL BE NAILED TOGETHER WITH NOT LESS THAN 8" (76) NAILS SPACED NOT MORE THAN 11 3/4" (300) O.C. THE NUMBER OF STUDS IN A WALL DIRECTLY BELOW A GIRDER TRUSS OR ROOF BEAM SHALL CONFORM TO TABLE A-34 TO A-37. (9.17.4., 9.23.10.7.)

TWO STOREY VOLUME SPACE. SEE CONSTRUCTION NOTE 39.

VARYING PLATES, BUILT-OUT FLOORS, BEARING WALLS, ICE & WATER SHIELD

EXPOSED BUILDING FACE - O.B.C. 9.10.14. OR 9.10.15.

REFER TO HEX NOTE 35. & DETAILS FOR TYPE AND SPECIFICATIONS.

1 HR. PARTY WALL

2 HR. FIREWALL

REFER TO HEX NOTE 40A.

SECTION 4.0. CLIMATIC DATA

DESIGN SNOW LOAD (9.4.2.2.): 1.06 kPa

WIND PRESSURE (q50) (SB-1.2.): 0.48 kPa

STAMP

FOR STRUCTURAL ONLY  
NOT INCLUDING ENGINEERED  
FLOOR OR ROOF SYSTEM

CONTRACTOR MUST VERIFY ALL DIMENSIONS ON THE JOB. REPORT ANY DISCREPANCIES TO HUNT DESIGN ASSOCIATES INC. (H.D.A.) BEFORE PROCEEDING WITH THE WORK. ALL THE DRAWINGS & SPECIFICATIONS ARE THE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF H.D.A. ALL CONSTRUCTION TO ADHERE TO THESE PLANS AND SPECIFICATIONS AND TO CONFORM TO THE ONTARIO BUILDING CODE AND ALL OTHER APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. THESE REQUIREMENTS ARE TO BE TAKEN AS MINIMUM SPECIFICATIONS. ONT. REG. 332/12.

CONSTRUCTION NOTES 2

ROYAL PINES HOMES - 220052  
VALES OF HUMBER 'SOUTH', BRAMPTON, ON.  
UNIT - 5003-COR  
REV.2022.07.14

Drawn By: JLT  
Checked By: MM  
Scale: 3/16"=1'-0"  
File Number: 220052WS5003-COR  
Page Number: 20 of 20  
8866 Woodbine Ave., Markham, ON L3R 0J7  
T 905.737.5133 F 905.737.7326

HUNT DESIGN ASSOCIATES INC. 19895  
www.huntassociatesinc.ca  
All drawings specifications related documents and design are the copyright property of Hunt Design Associates (H.D.A.). Reproduction of this property in whole or in part is strictly prohibited without H.D.A.'s written permission (H.D.A. assumes no responsibility or liability for this property unless it bears the appropriate BCK# number and original signature.)