

SB-12 ENERGY EFFICIENCY DESIGN MATRIX

SB-12 (SECTION 3.1.1) TABLE 3.1.1.2.A PRESCRIPTIVE COMPLIANCE SPACE HEATING FUEL PACKAGE A1 □ OIL

. , (3) ((3) = , (1)	□ EARTH	□ SOLID FUEL
BUILDING COMPONENT	REQUIRED	PROPOSED
INSULATION RSI (R) VALUE		
CEILING W/ ATTIC SPACE	10.56 (R60)	10.56 (R60)
CEILING W/O ATTIC SPACE	5.46 (R31)	5.46 (R31)
EXPOSED FLOOR	5.46 (R31)	5.46 (R31)
WALLS ABOVE GRADE	3.87 (R22)	3.87 (R22)
BASEMENT WALLS	3.52 ci	3.52 ci
* PROPOSED VALUES MAY BE SUBSTITUTED W/ 2.11+1.76ci (R12+R10ci)	(R20 ci) *	(R20 ci)
BELOW GRADE SLAB ENTIRE SURFACE > 600mm BELOW GRADE	-	-
EDGE OF BELOW GRADE SLAB \leq 600mm BELOW GRADE	1.76 (R10)	1.76 (R10)
HEATED SLAB OR SLAB \leq 600mm BELOW GRADE	1.76 (R10)	1.76 (R10)
WINDOWS & DOORS		
WINDOWS/SLIDING GLASS DOORS (MAX U-VALUE)	1.6	1.6
SKYLIGHTS (MAX. U-VALUE)	2.8	2.8
APPLIANCE EFFICIENCY		
SPACE HEATING EQUIP. (AFUE%)	96%	96%
HRV EFFICIENCY (%)	75%	75%
DHW HEATER (EF)	0.8	0.8

AREA CALCULATIONS EL. 'A'

STD .PLAN GROUND FLOOR AREA 549 sq. ft. MAIN FLOOR AREA 909 sq. ft. 1016 sq. ft. THIRD FLOOR AREA SUBTOTAL 2474 sq. ft. DEDUCT ALL OPEN AREAS 2 sq. ft.

(229.66 sq. m.) 909 sq. ft. COVERAGE W/OUT PORCH (84.45 sq. m.) 1116 sq. ft. COVERAGE (103.68 sq. m.) WINDOW / WALL AREA EL. A CALCULATIONS STD. PLAN 3948 sq. ft.

(366.78 sq. m.) GROSS WINDOW AREA 296 sq. ft. (INCL. GLASS DOORS & SKYLIGHTS) (27.50 sq. m.)

TOTAL WINDOW % 7.50 %

HUNT DESIGN ASSOCIATES INC

1 - TITLE PAGE

- 2 BASEMENT PL. EL. 'A', GROUND FLOOR PL. EL. 'A', OPT. GROUND FLOOR PL. EL 'A'
- 3 MAIN FLOOR PLAN. EL 'A', THIRD FLOOR PLAN EL. 'A', DETAILS
- 4 FRONT & REAR ELEVATION 'A'
- 5 CROSS SECTION 'B-B', CROSS SECTION 'A-A', & DETAILS
- 6 PARTIAL CROSS SECTION & ROOF PLANS
- 7 DETAILS

☐ ELECTRIC ☐ PROPANE

8 - CONSTRUCTION NOTES 1 &2



STAMP FOR STRUCTURAL ONLY, NOT INCLUDING PRE-ENGINEERED ROOF OR FLOOR SYSTEMS

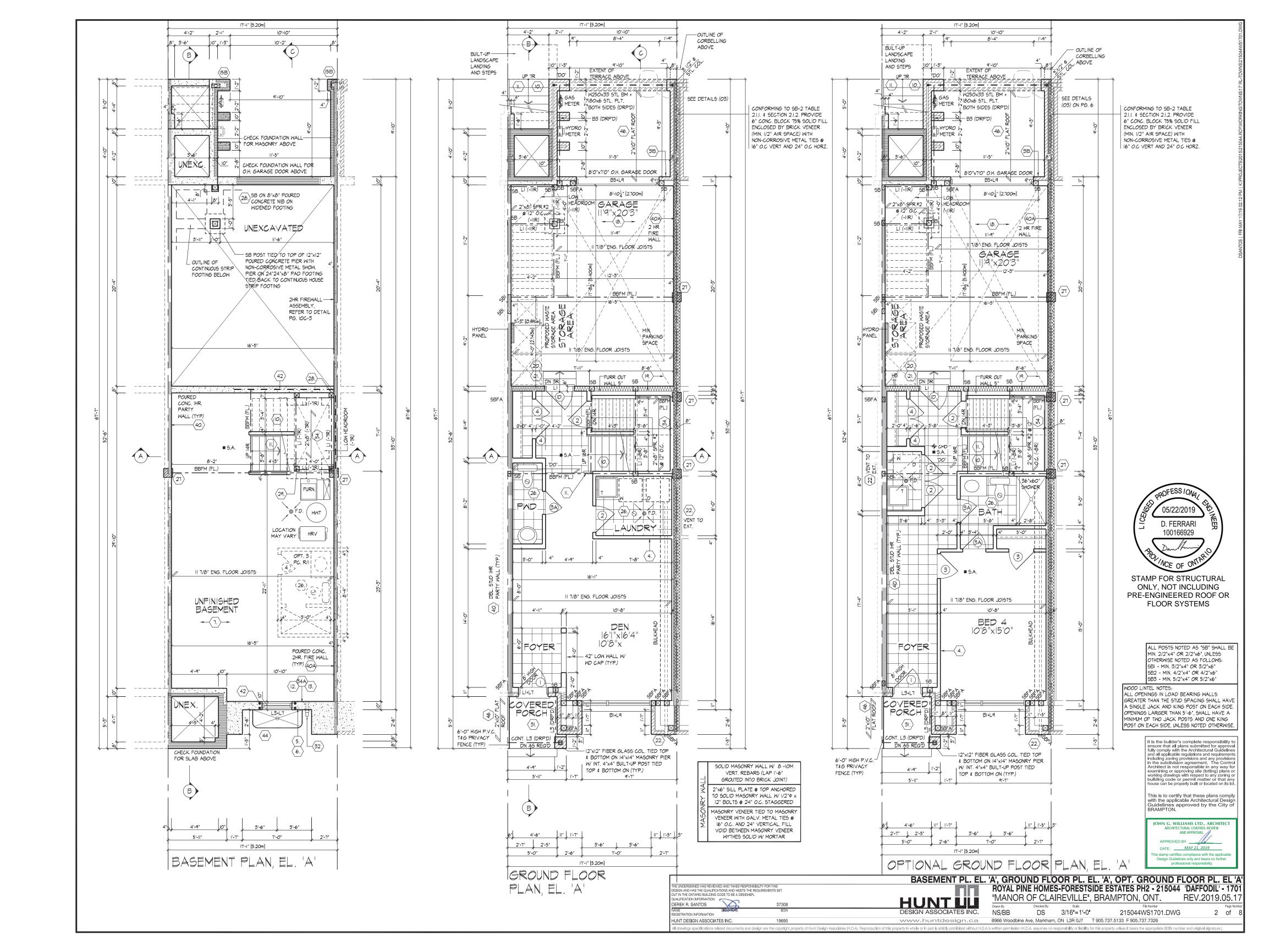


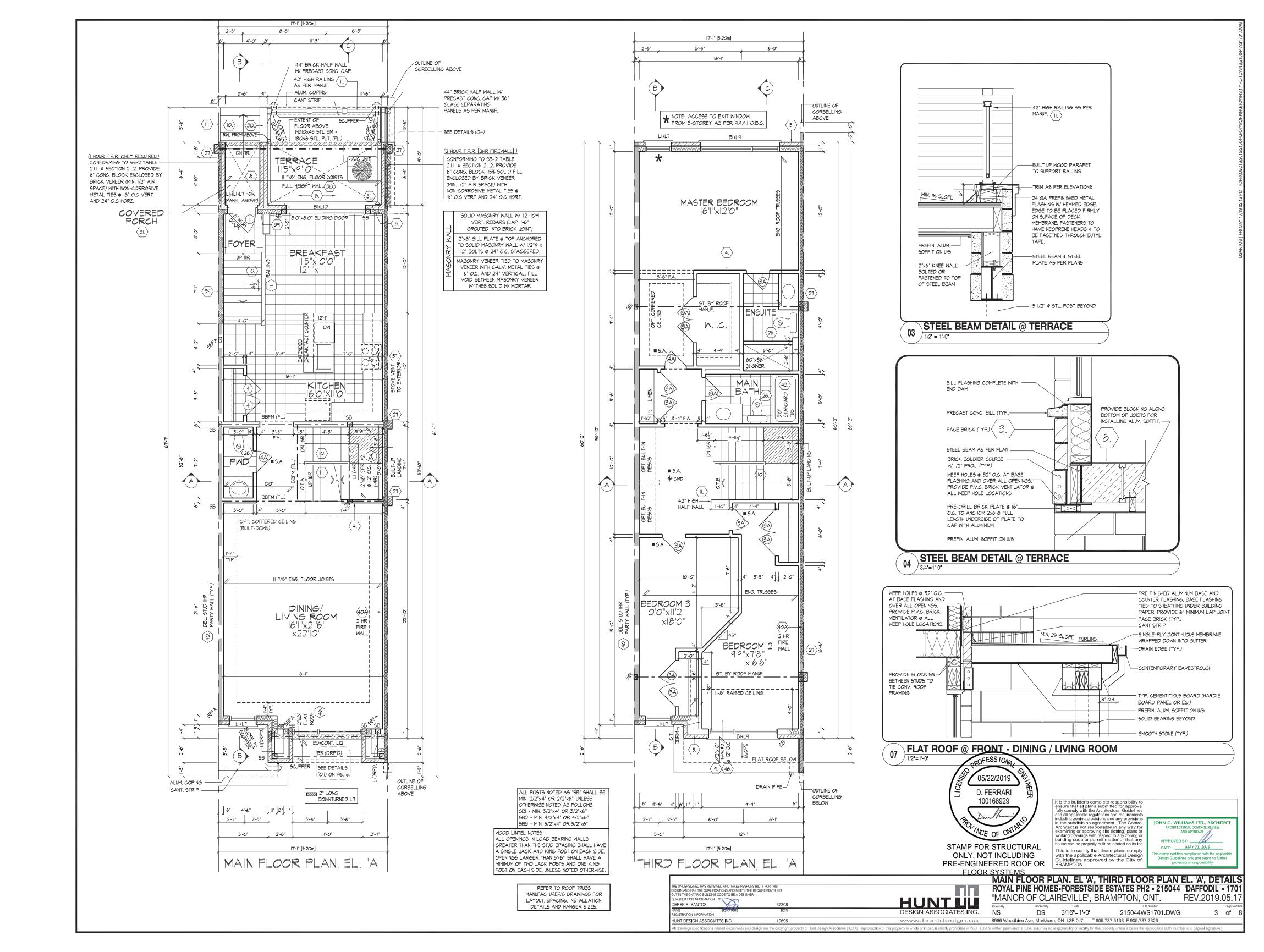
7. ISSUED FOR FINAL APPROVAL	2019.05.17	DS
6. REVISED AS PER ARCHITECTURAL CONTROL COMMENTS	2019.04.26	BB
5. REVISED FOR OPTIONAL ROUGH-IN BASEMENT WASHROOM	2019.04.25	BB
4. REVISED AS PER STRUCTURAL ENGINEER COMMENTS	2018.08.07	MM
3. COORDINATE AS PER ROOF TRUSS & FLOOR MANUFACTURE PLANS	2019.04.29	BB
2. REVISED AS PER CLIENT'S COMMENTS (2018)	2018.10.19	DS
1. ISSUED FOR CLIENT REVIEW	2018.04.02	DS
REVISIONS	DATE (YYYY/MM/DD)	RY

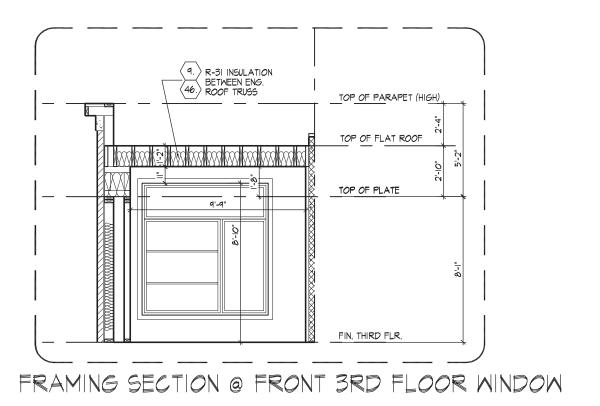
HE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNER. **HUNT UU** DEREK R. SANTOS ISTRATION INFORMATION

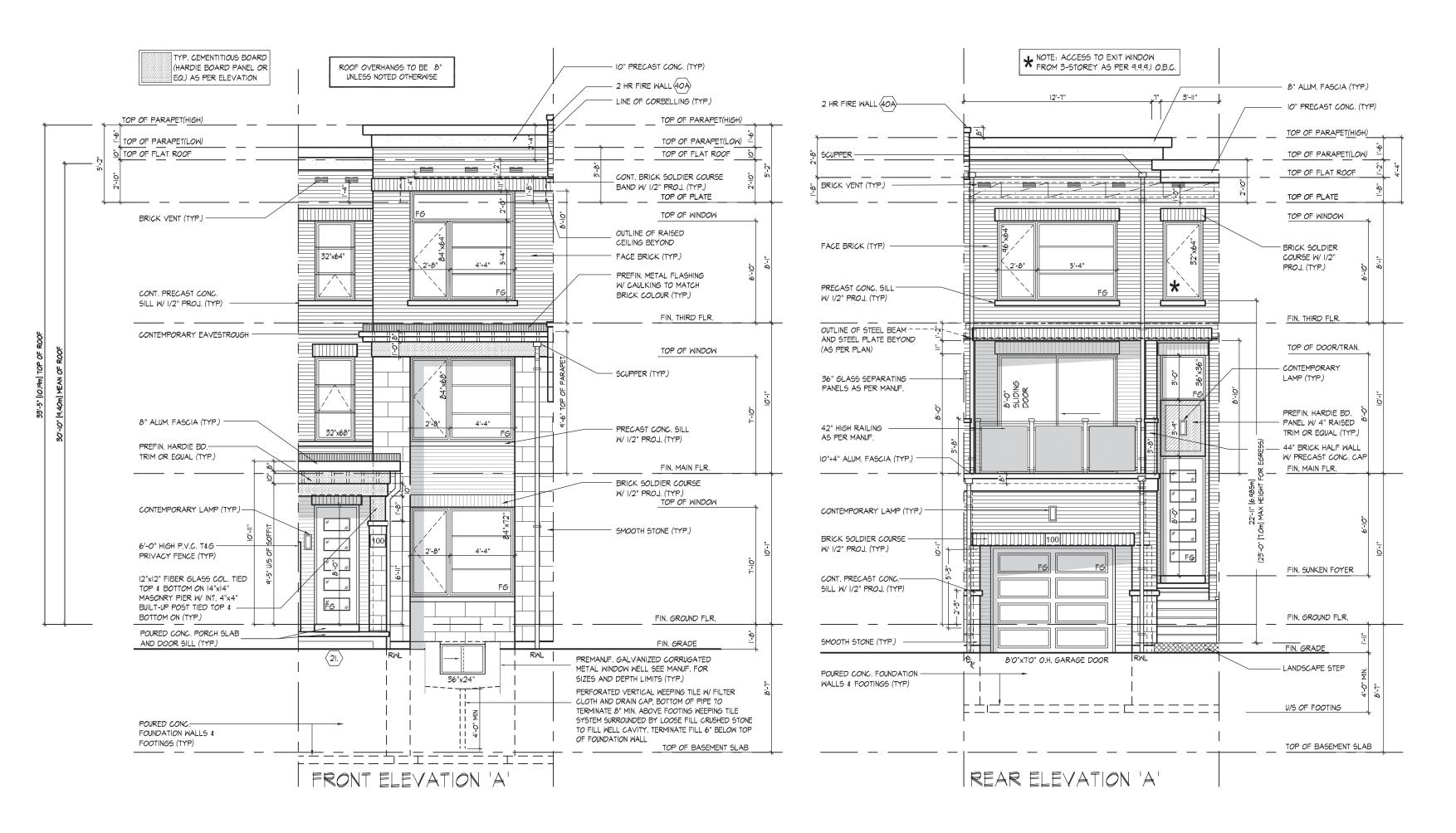
TITLE PAGE ROYAL PINE HOMES-FORESTSIDE ESTATES PH2 - 215044 'DAFFODIL' - 1701 "MANOR OF CLAIREVILLE", BRAMPTON, ONT. REV.2019.05.17

DS 3/16"=1'-0" NS 215044WS1701.DWG 1 of 8966 Woodbine Ave, Markham, ON L3R 0J7 T 905.737.5133 F 905.737.7326 www.huntdesign.ca









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 provisions and any provisions in the subdivision agreement. The Control Architect is not responsible in any way for examining or approving site (lotting) plans or 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: MAY 21, 2019

This stamp certifies compliance with the applicable Design Guidelines only and hears no further

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

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNER.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNER.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNER.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNER.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNER.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

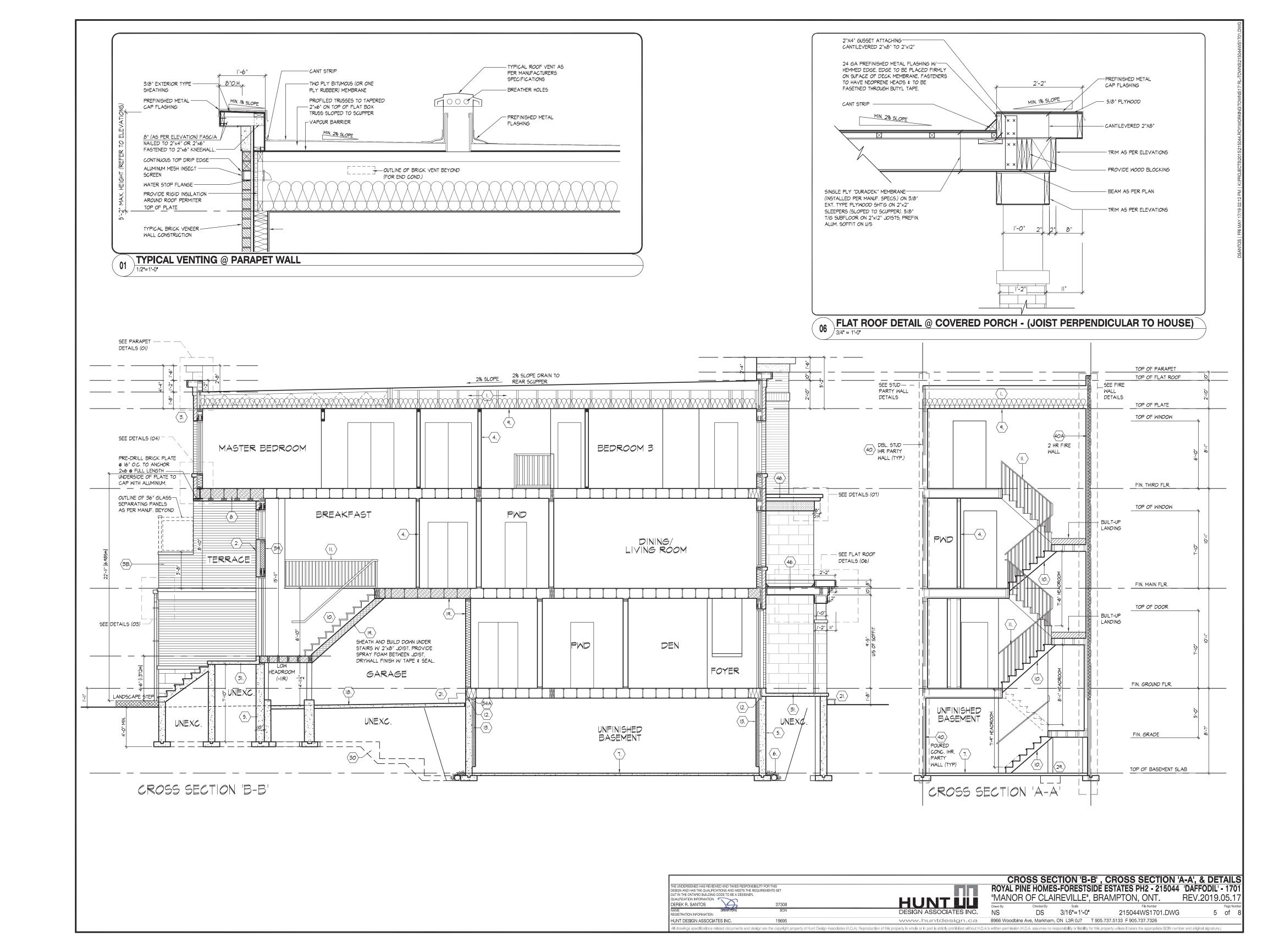
OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

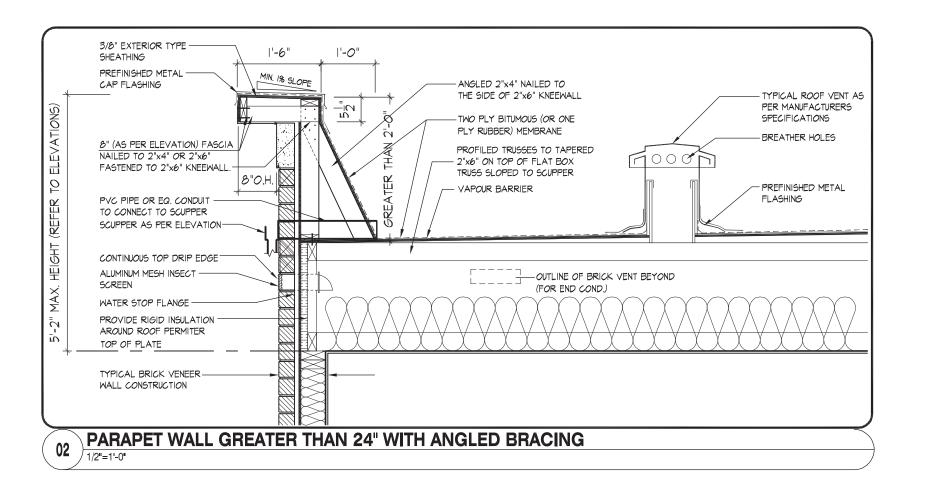
OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

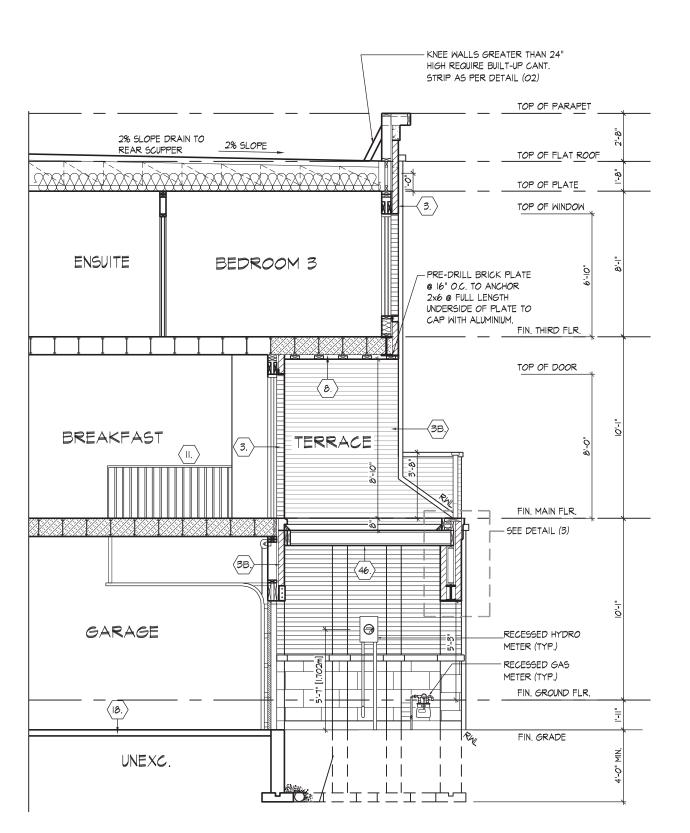
OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNAR.

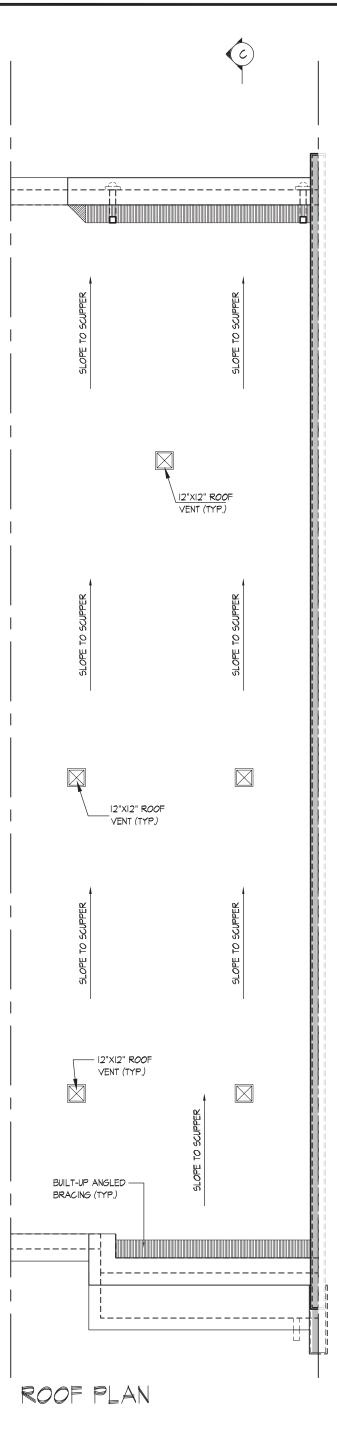
OUT IN THE ONTARIO BUILDING CODE TO BE A DESI







PARTIAL SECTION 'C'



ROOF SPACE TO 1:150 OF INSUL (AS PER O.E	ATED CEILING.	
TOTAL ROOF SPACE	1030.17 ft ²	
TOTAL VENTILATION SPACE REQ'D	1030.17 ft ² x 0.006 = 6.18 ft ²	
ROOF VENT SIZE	12"x12" = 1.0 ft ²	
MIN. 25% OF VENTING I TOP OF ROOF	LOCATED AT THE	
TOTAL # OF ROOF VENTS	5	
TOTAL VENTILATION FROM ROOF VENTS	$5 \times 1.0 \text{ ft}^2 = 5.0 \text{ ft}^2$	
MIN. 25% OF VENTING LOCATED AT THE BOTTOM OF ROOF (MIN.1.545 ft²)		
BRICK VENT SIZE	4"x10" = 0.278 ft ²	
TOTAL # OF BRICK VENTS	10	
TOTAL VENTILATION FROM ROOF VENTS	$10x \ 0.278 \ \text{ft}^2 = \underline{2.78 \ \text{ft}^2}$	
TOTAL VENTILATION SPACE FROM ROOF & BRICK VENTS	$2.78 \text{ ft}^2 + 5.0 \text{ ft}^2 = 7.78 \text{ ft}^2$	

PARTIAL CROSS SECTION & ROOF PLANS
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
DEREK R. SANTOS
SIGNATURE
BCIN
DESIGN ASSOCIATES INC.
19695

ROYAL PINE HOMES-FORESTSIDE ESTATES PH2 - 215044 'DAFFODIL' - 1701
"MANOR OF CLAIREVILLE", BRAMPTON, ONT.
REV.2019.05.17

DERIV. 2019.05.17

DESIGN ASSOCIATES INC.
19695

ROYAL PINE HOMES-FORESTSIDE ESTATES PH2 - 215044 'DAFFODIL' - 1701
"MANOR OF CLAIREVILLE", BRAMPTON, ONT.
REV.2019.05.17

DERIV. 2019.05.17

DESIGN ASSOCIATES INC.
19695

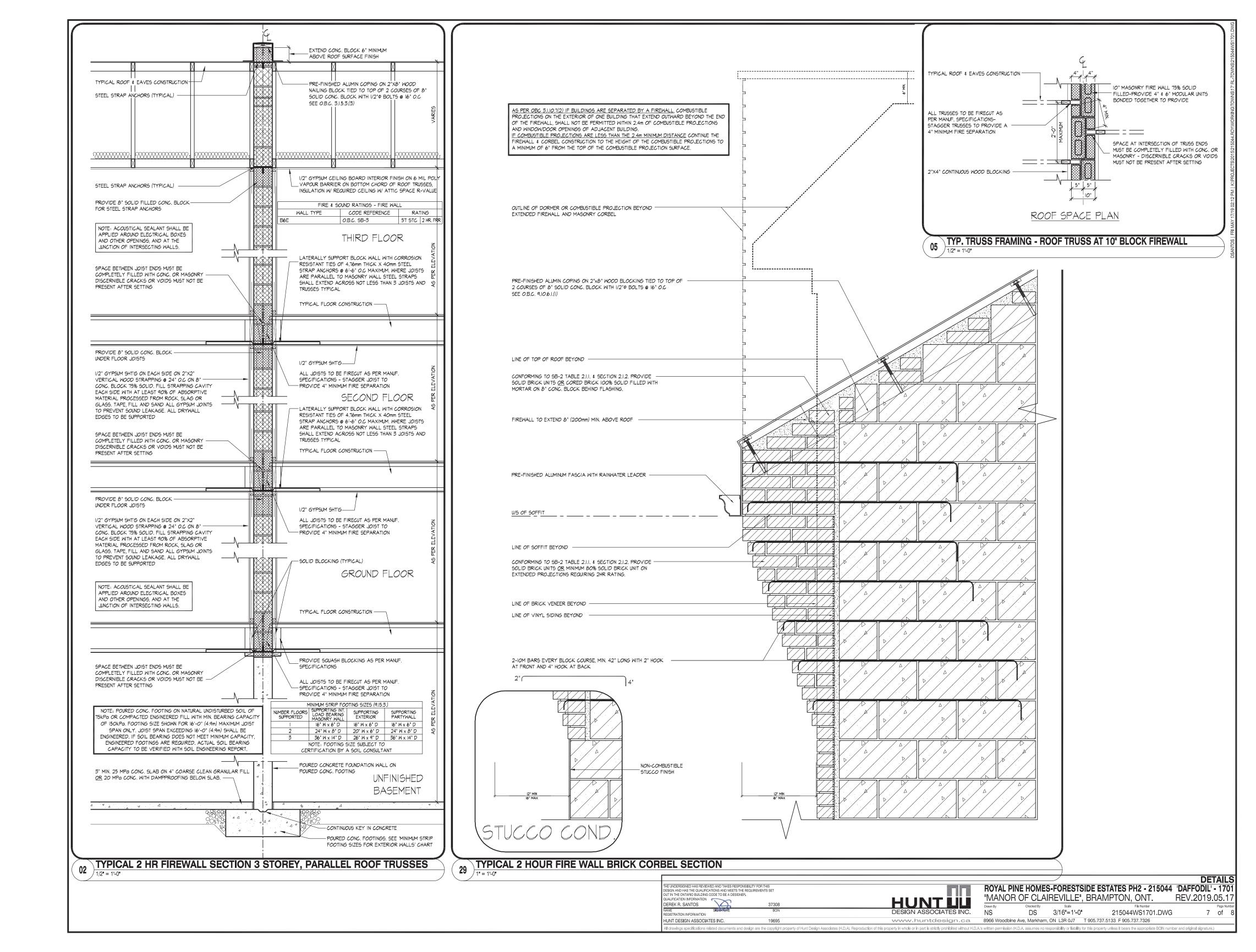
ROYAL PINE HOMES-FORESTSIDE ESTATES PH2 - 215044 'DAFFODIL' - 1701
"MANOR OF CLAIREVILLE", BRAMPTON, ONT.
REV.2019.05.17

NS DS 3/16"=1"-0" 215044WS1701.DWG 6 of 8

NS DS 3/16"=1"-0" 215044WS1701.DWG 6 of 8

HUNT DESIGN ASSOCIATES INC.
19695

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 of this property unless it bears the appropriate BCIN number and original signature.)



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.

SIDING WALL CONSTRUCTION SIDING MATERIAL AS PER ELEVATION ATTACHED TO FRAMING MEMBERS FURRING MEMBERS OR BLOCKING BETWEEN THE FRAMING MEM APPROVED SHEATHING PAPER ON 3/8" (9.5) EXT. GRADE SHEATHING ON STUDS CONFORMING TO O.B.C (9.23.10.1.) & SECTION 1.1., INSULATION, APPROVED 6 MIL POLYETHYLENE AIR/VAPOUR BARRIER, ON 1/2" (12.7) GYPSUM WALLBOARD INT. FIN. 9 (GYPSUM SHEATHING, RIGID INSULATION, AND FIBERBOARD SHALL NOT BE USED FOR THE ATTACHMENT OF SIDING (9.23.16.3.(1.)) (REFER TO 35 NOTE AS REQ.)

SIDING WALL CONSTRUCTION W/ CONTIN. INSULATION SIDING MATERIAL AS PER ELEVATION ATTACHED TO FURRING MEMBERS C 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.) & SECTION 1.1., INSULATION, APPROVED 6 MIL POLYETHYLENE AIR/VAPOUR BARRIER, ON 1/2" (12.7) GYPSUM WALLBOARD INT. FIN. (GYPSUM SHEATHING, RIGID INSULATION, AND FIBERBOARD SHALL NOT BI USED FOR THE ATTACHMENT OF SIDING (9.23.16.3.(1.)) (REFER TO 35 NOTE AS REQ.)

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.) & 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.)) (REFER TO 35 NOTE AS REQ.)

BRICK VENEER WALL CONSTRUCTION /2" (90) BRICK VENEER 1" (25) AIR SPACE, 7/8'x7"x0.03" (22x180x0.76) GALV. METAL TIES 16" (400) O.C. HORIZ. 24" (600) O.C. VERT. BONDING AND FASTENING FOR TIES TO CONFÒRM WITH 9,20,9, ON ÀPPROVED SHEATHING PAPER, 3/8" (9,5) EXTERIOR TYPI SHEATHING, STUDS CONFORMING TO O.B.C (9.23.10.1.) & 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) BEHIND BUILDING PAPER (9.20.13.6.) (REFER TO 35 NOTE AS REQUIRED)

BRICK VENEER WALL CONSTRUCTION W/ CONTIN. INSULATION 3 1/2" (90) BRICK VENEER 1" (25) AIR SPACE, 7/8"x7"x0.03" (22x180x0.76) GALV. METAL ITES @ 16" (400) O.C. HORIZ. 24" (600) O.C. VERT. BONDING AND FASTENING FOR ITES TO CONFORM WITH 9.20.9. ON APPROVED AIR/WATER BARRIER AS PER O.B.C. 9.27.3. ON EXTERIOR TYPE RIGID INSULATION (JOINTS UNTAPED) MECHANICALLY 9.27.3. ON EATERIOR THE RIGID INSULATION (JOINTS UNITARED) MECHANICALLI FASTENED AS PER MANUFACTURER'S SPECIFICATIONS, ON 3/8" (9.5) EXTERIOR TYPE SHEATHING, STUDS CONFORMING TO O.B.C (9.23.10.1.) & SECTION 1.1., INSULATION AND 6 mil PÖLYETHYLENE VAPOUR BARRIER WITH APPROVED CONTIN. ÄIR BARRIER 2.7) GYPSUM WALLBOARD INTERIOR FINISH. PROVIDE WEEP H D.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)

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. 24" (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.) 8 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

| INTERIOR STUD PARTITIONS (9.23.9.8., 9.23.10) BEARING PARTITIONS SHALL BE A MINIMUM 2"x4" (38x89) @ 16" (406) O.C. FOR 2 STOREY AND 12" (305) O.C. FOR 3 STOREY, NON-BEARING PARTITIONS 2"x4" (38x89) @ 24" (610) O.C. PROVIDE 2"x4" (38x89) BOTTOM PLATE AND 2-2"x4" (2-38x89) TOP PLATE. 1/2" (12.7) INT. DRYWALL BOTH SIDES OF STUDS, PROVIDE 2"x6" (38x140) STUDS WHERE NOTED. PROVIDE 2"x4" (38x89) @ 24" (610) O.C. LADDER FRAMING WHERE WALLS INTERSECT PERPENDICULAR TO ONE ANOTHER. PROVIDE 2"x4" (38x89) WOOD BLOCKING ON FLAT @ 3"-11" (1194) O.C. MAX. BETWEEN FLOOR JOISTS WHEN NON-LOADBEARING WALLS ARE PARALLEL TO FLOOR JOISTS.

EXT. LOFT WALL CONSTRUCTION - NO CLADDING 3/8" (9.5) EXTERIOR TYPE SHEATHING, STUDS CONFORMING TO O.B.C (9.23.10.1.) & 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.)

EXT. LOFT WALL CONSTRUCTION - NO CLADDING

W/ CONTINUOUS INSULATION 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.) & 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.)

FOUNDATION WALL/FOOTINGS

POLIBED CONC. FOLINDATION WALL AS PER CHART BELOW ON CONTINUOUS. KEYED CONCRETE FOOTING, FOUNDATION WALL AS PEH 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 DAIMPROOFED 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 TITHE TOP, THE TOP OF THE CONC. FOOTING SHALL BE DAMPROOFF. CONCRETE FOOTINGS SUPPORTING JOIST SPANS GREATER THAN 16'-1" (4900' SHALL BE SIZED IN ACCORDANCE WITH 9.15.3.4 (1),(2) 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 75KPa OR COMPACTED ENGINEERED FILL WITH MIN. BEARING CAPACITY OF 50KPa. IF SOIL BEARING DOES NOT MEET MINIMUM CAPACITY, ENGINEEREL 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.)] UNREINFORCED SOLID CONCRETE FOUNDATION WALLS (9.15.4.2.)

	JTH.	SS	MAX. HEIGHT FROM FIN. SLAB TO GRADE			
STRENGTH	THICKNESS	UNSUPPORTED	SUPPORTED AT TOP			
	ST	崖	AT TOP	≤2.5m	>2.5m & ≤2.75m	>2.75m & ≤3.0m
g	МРа	* 8"	3'-11" (1.20m)	7'-0" (2.15m)	7'-0" (2.15m)	6'-10" (2.10m)
		10"	4'-7" (1.40m)	7'-6" (2.30m)	8'-6" (2.60m)	8'-2" (2.50m)
15	2	12"	4'-11" (1.50m)	7'-6" (2.30m)	8'-6" (2.60m)	9'-3" (2.85m)
	g	* 8"	3'-11" (1.20m)	7'-6" (2.30m)	7'-6" (2.30m)	7'-2" (2.20m)
	МРа	10"	4'-7" (1.40m)	7'-6" (2.30m)	8'-6" (2.60m)	9'-3" (2.85m)
20	20	12"	4'-11" (1.50m)	7'-6" (2.30m)	8'-6" (2.60m)	9'-3" (2.85m)
*	* 9" MIN. THICK FOUNDATION WALL IS REQUIRED FOR MASONRY VENEER					
	EINIQUED EVTEDIOD WALLS WITH CONTINUOUS INSULATION CONDITION TO					

PROVIDE MIN. BEARING FOR SILL PLATES, BEAMS AND FLOOR JOIST AS PER

MINIMUM STRIP FOOTING SIZES (9.15.3.)				
NUMBER FLOORS SUPPORTED	SUPPORTING INT. LOAD BEARING MASONRY WALLS	SUPPORTING EXTERIOR	SUPPORTING PARTYWALL	
1	16" WIDE x 6" THICK	16" WIDE x 6' THICK	16" WIDE x 6" THICK	
2	24" WIDE x 8" THICK	20" WIDE x 6" THICK	24" WIDE x 8" THICK	
3	36" WIDE v 14" THICK	26" WIDE v Q! THICK	36" WIDE v 14" THICK	

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.

FOUNDATION REDUCTION IN THICKNESS FOR MASONRY WHERE THE 10P 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 © 77/8" (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))

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" (350) HIGH & NOT LESS THAN 3 1/2" (90) THICK (9.15.4.7(1)) (23) ATTIC ACCESS (9.19.2.1.)

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

BASEMENT SLAB OR SLAB ON GRADE (9.16.4.3.) 3" (80) MIN. 25MPa (3600psi) CONC. SLAB ON 4" (100) COARSE GRANULAR FILL, OR 20MPa (2900psi) CONC. WITH DAMPPROOFING BELOW SLAB. PROVIDE 1/2" (12.7) IMPERVIOUS BOARD FOR BOND BREAK AT EDGE. (9.13.) WHERE A BASEMENT SLAB IS WITHIN 24" (610) OF THE EXTERIOR GRADE PROVIDE RIGID INSUL. AROUND THE PERIMETER EXTENDING MIN. 24" (610) BELOW GRADE. FO SLAB ON GRADE CONDITIONS RIGID INSULATION SHALL BE APPLIED TO THE UNDERSIDE OF THE ENTIRE SLAB. ([SB-12] 3.1.1.7.(5) & (6))

EXPOSED FLOOR TO EXTERIOR (9.10.17.10, & CAN/ULC-S705.2) PROVIDE SPRAY FOAM INSULATION BETWEEN CANT. JOIST AND INSTALL FIN SOFFIT OR CLADDING AS PER ELEVATION TO U/S OF EXPOSED CANT. JOIST.

EXPOSED 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.

EXPOSED 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. (CAN/ULC-S705.2, 9.19.1, 9.10.17.1) ALL STAIRS/EXTERIOR STAIRS (9.8.1.2., 9.8.2., 9.8.4.)

MAX. RISE MIN. RISE MAX. RUN MIN. RUN MAX. TREAD MIN. TREAD PRIVATE 77/8" (200) 5' (125) 14" (355) 8 1/4' (210) 14' (355) 9 1/4" (235) PUBLIC 7" (180) 5' (125) NO LIMIT 11" (280) NO LIMIT 11' (280) 2-11 (900) MIN. AVG. RUN 7 7/8" (200) * 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. **GUARDS/RAILINGS** (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.

INTERIOR GUARDS: 2'-11" (900) MIN.

EXTERIOR GUARDS: 2-11" (900) MIN. (LESS THAN 5-11" (1800) TO GRADE) 3-6" (1070) MIN. (MORE THAN 5-11" (1800) TO GRADE) GUARDS FOR EXIT STAIRS: 3'-0" (920) MIN GUARDS FOR LANDINGS @ EXIT STÁIRS: 3'-6" (1070) MIN. GUARDS FOR FLOORS & RAMPS IN GARAGES (SERVICE STAIRS) FLOOR OR RAMP W/O EXTERIOR WALLS THAT IS 23 5/8" (600) OR MORE ABOVE ADJACENT SURFACE REQUIRES CONT. CURB MIN. 6" (150) HIGH, AND GUARD

TWEEN WALKING SURFACE & ADJACENT SURFACE WITH A DIFFERENCE IN ELEVATION MORE THAN 23 5/8" (600) OR ADJACENT SURFACE WITHIN 3-11" (12 & WALKING SURFACE W/ A SLOPE MORE THAN 1 IN 12 SHALL BE PROTECTED

WITH GUARDS PER CONSTRUCTION HEX NOTE 11.
HANDRAIL HEIGHTS - O.B.C. 9.8.7. - REQUIRED AS PER 9.8.7.1.(3)
MIN. HEIGHT AT STAIRS OR RAMP: 2'-10" (865) MAX. HEIGHT AT STAIRS OR RAMP: 3'-2" (965) MAX. HEIGHT AT LANDING: 3'-6" (107 STAIRS OR RAMP MIN. 7'-3" (2200) WIDE: 2'-9" (865) MIN. HEIGHT

SILL PLATES

2"x4" (38x89) SILL PLATE WITH 1/2" (12.7)Ø ANCHOR BOLTS 8" (200) LONG EMBEDDED MIN. 4" (100) INTO CONC. @ 7"-10" (2388) O.C., CAULKING OR GASKET BETWEEN PLATE AND TOP OF FOUNDATION WALL. USE NON-SHRINK GROUT TO LEVEL SILL PLATE WHEN REQUIRED (9.23.7.)

BASEMENT INSULATION ([SB-12] 3.1.1.7.) PROVIDE CONTINUOUS BLANKET INSULATION W/ BUILT IN 6 mil POLYETHYLENE VAPOUR BARRIER. INSULATION TO EXTEND NO MORE THAN 8" (200) ABOVE FINISHED BASEMENT FLOOR. DAMPROOFED WITH BUILDING PAPER BETWEEN THE FOUNDATION WALL AND INSULATION UP TO GRADE LEVEL.

BEARING STUD PARTITION IN BASEMENT (9.15.3.6., 9.23.10.1.) 2"x4" (38x89) STUDS @ 16" (406) O.C., 2"x4" (38x89) SILL PLATE (2"x6" (38x140) AS REQUIRED) ON DAMPPROOFING MATERIAL OR 2 mil POLYETHYLENE FILM, 1/2" (12.7) Ø ANCHOR BOLTS 8" (200) LONG, EMBEDDED 4" (100) MIN. INTO CONC. 7"-10" (2390) O.C. 4" (100) HIGH CONC. CURB ON CONC. FOOTING. FOR SIZE R

TO HEX NOTE 5. ADD HÓRIZ. BLOCKING AT MID-HEIGHT IF WALL IS UNFINISHED. ADJUSTABLE STEEL BASEMENT COLUMN (9.15.3.4.) 9'-10" (3000) MAX. SPAN BETWEEN COLUMNS. 3 1/2" (90)Ø SINGLE TUBE ADJUSTABLE STEEL COLUMN CONFORMING TO CAN/CGSB-7.2M, AND WITH 6"x6"x3/8" (152x152x9.5) STEEL PLATE TOP & BOTTOM. FIELD WELD BASEMENT COLUMN CONNECTION. POURED CONCRETE FOOTING ON NATURAL UNDISTURBED SOIL OF 75kPa OR COMPACTED ENGINEERED FILL WITH MIN. BEARING CAPACITY OF 150kPa AS PER SOILS REPORT.

SUPPORTING 2 STOREY FLR. LOAD PROVIDE 34"x34"x16" (870x870x410) CONC. FOOTING SUPPORTING 3 STOREY FUR LOAD PROVIDE 40"x40"x19" (1060x1060x480) CONC. FOOTIN

NON-ADJUSTABLE STEEL BASEMENT COLUMN
3 1/2" (90) Ø v 0 189" /4 70 NOV 18 7 | 1/2" (90)Ø x 0.188" (4.78) NON-ADJUSTABLE STEEL COLUMN WITH 6"x6"x3/8" (152x152x9.5) STEEL PLATE TOP & BOTTOM. FIELD WELD BASEMENT COLUMN CONNECTION. POURED CONCRETE FOOTING ON NATURAL UNDISTURBED SOIL OF 75kPa OR COMPACTED ENGINEERED FILL WITH MIN. BEARING CAPACITY OF SUPPORTING 2 STOREY FLR. LOAD PROVIDE 42"x42"x18" (1070x1070x460) CONC. FOOTING

SUPPORTING 3 STOREY FLR. LOAD PROVIDE 48"x48"x24" (1220x1220x610) CONC. FOOTING (15B) NON-ADJUSTABLE STL. COLUMN AT FOUNDATION WALL 1/2" (90)Ø x 0.188" (4.78) NON-ADJUSTABLE STEEL COLUMN WITH 6"x6"x3/8" 52x152x9.5) STEEL TOP PLATE & 6"x4"x3/8" (152x100x9.5) BOTTOM PLATE. BASE (2- 12 70x305x50) FIFLD WELD COLUMN TO BASE PLATE & STEEL BM

STEEL BEAM BEARING AT FOUNDATION WALL (9.23.8.1.) EAM POCKET OR 8"x8" (200x200) POURED CONC. NIB WALLS, MIN. BEARING 3 1/2" (90).

WOOD STRAPPING AT STEEL BEAMS (9.23.4.3.(3.), 9.23.9.3.) "x3" (19x64) CONTIN. WOOD STRAPPING BOTH SIDES OF STEEL BEAM. (9.16., 9.35.)

(100) 32MPa (4640psi) CONC. SLAB WITH 5-8% AIR ENTRAINMENT ON OPT. 4" (100) COARSE GRÂNULAR FILL WITH COMPACTED SUB-BASE OR COMPACTED NATIVE FILL. SLOPE TO FRONT @ 1% MIN. (9.10.9.16.)

1/2 (12.7) GITSON BOARD ON WALL AND CEILING BEI WEET NOOSE AND GARAGE, PLUS REQUIRED INSULATION IN WALLS AND SPRAY FOAM FOR CEILINGS. TAPE AND SEAL ALL JOINTS GAS TIGHT. (9.10.17.10, CAN/ULC-S705.2 GARAGE TO HOUSE WALLS/CEILING W/ CONTIN. INSULATION /2" (12.7) GYPSUM BOARD ON CEILING AND ON WALLS INSTALLED OVER XTERIOR TYPE RIGID INSULATION (JOINTS UNTAPED) MECHANICALLY STENED 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

" (12.7) GYPSUM BOARD ON WALL AND CEILING BETWEEN HOUSE AND

SEAL ALL JOINTS GAS TIGHT. (9.10.9.16., 9.10.17.10, CAN/ULC-S705.2) (9.10.9.16., 9.10.13.10., 9.10.13.15.) GAS-PROOF DOOR AND FRAME. DOOR EQUIPPED WITH SELF CLOSING DEVICE AND WEATHER STRIPPING.

EXTERIOR AND GARAGE STEPS PRECAST CONC. STEP OR WOOD STEP WHERE NOT EXPOSED TO WEATHER MAX RISE 7 7/8" (200), MIN. TREAD 9 1/4" (235). 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

DRYER EXHAUST

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

ATTIC ACCESS HATCH WITH MIN. AREA OF 0.32m2 AND NO DIM. LES 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) ([SB-12] 3.1.1.8.(1)) FIREPLACE CHIMNEYS (9.21.)

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.

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.

PARTY WALL BEARING (9.23.8) 12"x12"x5/8" (305x305x15.9) STEEL PLATE FOR STEEL BEAMS AND 12"x12"x1/2" (305x305x12.7) STEEL PLATE FOR WOOD BEAMS BEARING (MIN. 3-1/2" (89)) OI

CONC. BLOCK PARTY WALL, ANCHORED WITH 2-3/4" (2-19) x 8" (200) LÖNĞ GALV. ANCHORS WITHIN SOLID BLOCK COURSE. LEVEL W/ NON-SHRINK GROUT. REFER TO NOTE SOLID BEARING (SECTION 3.0) FOR WD. STUD PARTY WALL WOOD FRAMING IN CONTACT TO CONCRETE
WOOD FRAMING WALLS THE WALLS T

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.) \ 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

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

CONC. PORCH SLAB (9.16.4.) MIN. 4" (100) CONCRETE SLAB ON GRADE ON 4" (100) COARSE GRANULAR FILL, REINFORCED WITH 6x6xW2.9xW2.9 MESH PLACED NEAR MID-DEPTH OF SLAB. CONC. STRENGTH 32MPa (4640psi) WITH 5-8% AIR ENTRAINMENT ON

TURNACE VENTING (9.32.) 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.

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

FLOOR FRAMING (9.23.3.5., 9.23.9.4., 9.23.14.) &G 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.

HEADER CONSTRUCTION PROVIDE CONTINUOUS APPROVED AIR/VAPOUR 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.

EXPOSED 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 16'8' (1.2002**) SHALL NOT BE COMPUTED AN LIMPOSTOR CONFORMING OF REMIXED AND PROPOSTOR OF DETAILS FOR (130cm²) SHALL NOT BE CONSIDERED AN UNPROTECTED OPENING AS PER

COLD CELLAR PORCH SLAB (9.39.) 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) CLEAR COVER FROM BOTTOM OF SLAB TO FIRST LAYER OF BARS & SECOND LAYER OF BARS LAID DIRECTLY ON TOP OF LOWE 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, 9.32.3.9. & 9.32.3.10. CONVENTIONAL ROOF FRAMING (9.23.13., 9.23.15.) 2 x6 (36x144) (1476) (25x44) (38x89) COLLAR TIES AT MID-SPAN, CEILING JOISTS TO BE 2*x4* (38x89) (26 (406) O.C. FOR MAX. 9'-3" (2819) SPAN & 2"x6" (38x140) @ 16" (406) . FÒR MAX. SPAN 14'-7" (4450). RÁFTERS FOR BU**I**LT UP RÓOF OVEI PRE-ENGINEERED ROOF TRUSSES AND OR CONVENTIONAL FRAMING TO BE 2"x4" (38x89) @ 24" (610) O.C. UNLESS OTHERWISE SPECIFIED

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

 WALL ASSEMBLY
 WIND LOADS

 EXTERIOR
 STUDS
 <= 0.5 kPA (q50)</td>
 > 0.5 kPa (q50)
 EXTERIOR STUDS SPACING MAX HEIGHT SPACING MAX HEIGHT 12" (305) O.C. 18'-4" (5588) 8" (200) O.C. 18'-4" (5588) SIDING SPR.#2 16' (406) O.C. 18'-4" (5588) 12" (305) O.C. 18'-4" (5588) BRICK 2-2"x8" 12" (305) O.C. 21'-0" (6400) 12" (305) O.C. 21'-0" (6400) SIDING SPR.#2 16" (406) O.C. 21'-0" (6400) 16" (406) O.C. 21'-0" (6400) ** STUD SIZE & SPACING TO BE VERIFIED BY STRUCTURAL ENGINEER ** STUDS ARE TO BE CONTINUOUS, C/W 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) CONT. HEADER AT GROUND FLOOR CEILING LEVEL TOE-NAILED & GLUED AT TOP, BOTTOM PLATES & HEADERS.

cont. SECTION 1.0. CONSTRUCTION NOTES

1 HR. PARTY WALL (CONC. BLOCK) ([SB-3] WALL TYPE 'B6e' & 'B1b') 1/2" (12.7) GYPSUM SHEATHING ON EACH SIDE ON 2"x2" (38x38) 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 SEALED W/ 2 COATS OF PAINT OR FURRED WITH 2"x2" (38x38) WD. STRAPPING & 1/2" (12.7) GYPSUM SHEATHING.

40 1 HR. PARTY WALL (DOUBLE STUD) ([SB-3] WALL TYPE W13c) 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 CAVITÝ WITH AT LEAST 90% OF ARSORPTIVE MATÉRIAL PROCESSED FROM ROCK, SLAG OR GLASS. TAPE FILL AND SAND ALL GYPSUM JOINTS.

40A) 2 HR. FIREWALL ([SB-3] WALL TYPE 'B66' & 'B1b') 1/2" (12.7) GYPSUM SHEATHING ON EACH SIDE ON 2"x2" (38x38) 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 & SNAD 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)

STUCCO WALL CONSTRUCTION STUCCO FINISH CONFORMING TO O.B.C. SECTION 9.28. AND APPLIED PER MANUFACTURERS SPECIFICATIONS OVER 1 1/2" (38) E.I.F.S. (MINIMUM) ON APPROVED DRAINAGE MAT ON 1/2" (12.7) DENSGLASS 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 W/ CONTIN. INSULATION STUCCO FINISH CONFORMING TO O.B.C. SECTION 9.28. AND APPLIED PER MANUFACTURERS SPECIFICATIONS OVER 1 1/2" (38) E.I.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) MECHANICALI FASTENED AS PER MANUFACTURER'S SPECIFICATIONS, ON 7/16" EXTERIOR TY 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.F.I.S (MINIMUM) ON APPROVED DRAINAGE MAT ON 1/2" (12.7) DENSGLASS 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 FURRING (AS REQ.) AND STUDS IN LIEU OF 1 1/2" (38) E.F.I.S (MINIMUM)
ON APPROVED DRAINAGE MAT ON 1/2" (12.7) DENSGLASS GOLD GYPSUM BRD.

42 UNSUPPORTED FOUNDATION WALLS (9.15.4.2.) REINFORCING AT STAIRS AND SUNKEN FLOOR AREAS 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 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. 2" (50) 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. (9.5.2.3.(1) AND 3.8.3.8.(3)) (REFER TO DETAILS)

44 WINDOW WELLS 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 LOTH WRAP AND FILLED WITH CRUSHED STONE. (9.9.10.1.(5), 9.14.6.3.)

SLOPED CEILING CONSTRUCTION ([SB-12] 2.1.1.7., 9.23.4.2.) 2"x12" (38x286) ROOF JOISTS @ 16" (406) O.C. MAX. (UNLESS OTHERWISE NOTED) W/ 2"x2" (38x38) 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 INNEF SURFACE OF EXTERIOR WALLS SHALL NOT BE LESS THAN R20 (3.52 RSI).

46 FLAT ROOF/BALCONY CONSTRUCTION WATERPROOFING MEMBRANE (9.26.11, 9.26.15, 9.26.16) FULLY ADHERED TO (15.9) T&G EXTERIOR GRADE PLYWOOD SHEATHING ON 2"x2" (38x38) PURLINS ÀNGLED TOWARDS SCUPPER @ 2% MINIMUM LAID PERPENDÌCULAR TO 2"x8

(38x184) FLOOR JOISTS @ 16" (406) O.C. (UNLESS OTHERWISE NOTED). BUILT UI CURB TO BE 4" (100) MIN. ABOVE FINISHED BALCONY FLOOR. CONTINUOUS 'L' TRIM DRIP EDGE TO BE PROVIDED ON OUTSIDE FACE OF CURB. SCUPPER DRAI TO BE LOCATED 24" (610) MIN. AWAY FROM HOUSE. PREFINISHED ALUMINUM O PANEL FOR UNDERSIDE OF SOFFIT (9.23.2.3). REMOVE CURB WHERE REQ. BALCONY CONDITION E FLAT ROOF/BALCONY CONSTRUCTION NOTE, INCLUDE 2"x4" (38x89) PT DEE FLAT HOUT/DALCONT TO CONSTROUTION NOT IT. INDUSTRE 2 AT 1025A2 DECKING W 1/4" (6.4) GAPS LAID FLAT PARALLEL TO JOISTS ON 2"X4" (3) T. SLEEPERS @ 12" (305) O.C. LAID FLAT PERPENDICULAR TO JOISTS

BALCONY OVER HEATED SPACE CONDITION EE FLAT ROOF/BALCONY CONSTRUCTION NOTE FOR ASSEMBLY. REFER TO LANS FOR FLOOR JOIST SIZE & REFER TO HEX NOTE 9 FOR INSULATION AND INTERIOR FINISH

47 BARREL VAULT CONSTRUCTION CANTILEVERED 2"x4" (38x89) SPACERS LAD FLAT ON 2"x10" (38x235) SPR. #2 ROOF JOIST NAILED TO BUILT-UP 3-3/4" (19) PLYWOOD HEADER PROFILED FOI ARREL. SPRAY FOAM INSULATION BETWEEN JOISTS W/ GYPSUM BOARD. INTERIOR FIN. (REFER TO DETAILS)

ROFESS 10/

05/22/2019

D. FERRARI

100166929

PRE-ENGINEERED ROOF OR

FLOOR SYSTEMS

STRATION INFORMATION

HUNT DESIGN ASSOCIATES INC

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.

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 CONFIRMATION 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) ROOF w/ OR ROOF w/ OR w/o ROOF w/ OR w/o ATTIC & 1 FLOOR ATTIC & 2 FLOOR ATTIC & 3 FLOOR MAX, STUD SPACING, in (mm) | MAX. UNSUPPORTED HGT., ft-in (m) | 2"x4" | 24" (610) | 16" (405) | 12" (305) | N/A (38x89) | 9"-10" (3.0) | 9"-10" (3.0) | 9"-10" (3.0) | N/A (2"x6" | 24" (610) | 16" (406) | 12" (305) (38x140) | - 9"-10" (3.0) | 11"-10" (3.6) | 5"-11" (1.8) |

SECTION 2.0. GENERAL NOTES

2.1. WINDOWS 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. 0.35m2 UNOBSTRUCTED OPEN PORTION W/ NO DIMENSION LESS THAN 1'-3" (380), CAPABLE OF MAINTAINING TH 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" (900) [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

HE CEILING HEIGHTS OF ROOMS AND SPACES SHALL CONFORM TO TABLE 9.5.3.1. MINIMUM HEIGHT 7-7" OVER 75% OF REQUIRED FLOOR AREA WITH A CLEAR HEIGHT OF 6-11" AT ANY POINT 7-7" OVER 50% OF REQUIRED FLOOR AREA OR 6-11" ROOM AND KITCHEN -11" OVER AT LEAST 75% OF THE BASEMENT AREA EXCEPT THAT UNDER BEAMS AND DUCTS THE EARANCE IS PERMITTED TO BE REDUCED TO 6'-5 BATHROOM, LAUNDRY 6'-11" IN ANY AREA WHERE A PERSON WOULD AREA ABOVE GRADE NORMALLY BE STANDING MENTIONED ABOVE 6'-11" ABOVE & BELOW FLOOR ASSEMBLY (9.5.3.2.) MEZZANINES STORAGE GARAGE

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 3.1.1.12. OF THE O.B.C. 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 (45lbs) ROLL ROOFING OR OTHER DAMPPROOFING MATERIAL, EXCEPT WHERE THE WOOD MEMBER IS AT LEAST 6" (152) ABOVE THE GROUND

2.5. STEEL (9.23.4.3.) 1) STRUCTURAL STEEL SHALL CONFORM TO CAN/CSA-G40-21 GRADE 300W. 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'-6" (2600) A.F.F. 2.7. ROOF OVERHANGS

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

2.8. FLASHING (9.20.13., 9.26.4. & 9.27.3.)

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

THE BUILDING SHALL BE LOCATED OR THE BUILDING SITE GRADED SO THE WATER IILL NOT ACCUMULATE AT OR NEAR THE BUILDING AND WILL NOT ADVERSELY FFECT 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 SUBSTITUTE. 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. TABLES A8 TO A10 AND A12, A15 & A16)

FORMING PART OF SENTENCE 9.23.4.2.(3), 9.23.4.2.(4), 9.23.12.3.(1),(3), 9.23.13.8.(2), 9.37.3.1.(1						
2"x8" SPRUCE #2		2"x10" SPRUCE #2		2"x12" SPRUCE #2		
2/2"x8" (2/38x184)	L3	2/2"x10" (2/38x235)	L5	2/2"x12" (2/38x286)		
3/2"x8" (3/38x184)	ВЗ	3/2"x10" (3/38x235)	B5	3/2"x12" (3/38x286)		
4/2"x8" (4/38x184)	B4	4/2"x10" (4/38x235)	B6	4/2"x12" (4/38x286)		
5/2"x8" (5/38x184)	B8	5/2"x10" (5/38x235)	В9	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		
1-1 3/4"x9 1/2"	LVL3	1-1 3/4"x11 7/8"	LVL10	1-1 3/4"x14"		
2-1 3/4"x9 1/2"	LVL6	2-1 3/4"x11 7/8"	LVL11	2-1 3/4"x14"		
3-1 3/4"x9 1/2"	LVL7	3-1 3/4"x11 7/8"	LVL12	3-1 3/4"x14"		
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,)						
	2"x8" SPRUCE #2 2/2"x8" (2/38x184) 3/2"x8" (3/38x184) 4/2"x8" (4/38x184) 5/2"x8" (5/38x184) E 1 3/4" x 9 1/2" LVL 1-1 3/4"x9 1/2" 2-1 3/4"x9 1/2" 3-1 3/4"x9 1/2" 4-1 3/4"x9 1/2" 3.2. STEEL LIN	2"x8" SPRUCE #2 2/2"x8" (2/38x184) L3 3/2"x8" (3/38x184) B3 4/2"x8" (4/38x184) B4 5/2"x8" (5/38x184) B8 ENGIN 1 3/4" x 9 1/2" LVL 1-1 3/4"x9 1/2" LVL3 2-1 3/4"x9 1/2" LVL6 3-1 3/4"x9 1/2" LVL7 4-1 3/4"x9 1/2" LVL9 3.2. STEEL LINTELS	2"x8" SPRUCE #2 2/2"x8" (2/38x184) L3 2/2"x10" SPRUCE #2 2/2"x8" (2/38x184) B3 3/2"x10" (3/38x235) 3/2"x8" (3/38x184) B4 4/2"x10" (4/38x235) 5/2"x8" (5/38x184) B8 5/2"x10" (5/38x235) ENGINEERED LUMBER SCHEDU 1 3/4" x 9 1/2" LVL 1 -1 3/4"x9 1/2" LVL3 1 -1 3/4"x11 7/8" 2 -1 3/4"x9 1/2" LVL6 2 -1 3/4"x11 7/8" 3 -1 3/4"x9 1/2" LVL7 3 -1 3/4"x11 7/8" 4 -1 3/4"x9 1/2" LVL9 4 -1 3/4"x11 7/8" 3.2. STEEL LINTELS SUPPORTING MAS	2"x8" SPRUCE #2 2/2"x8" (2/38x184) L3 2/2"x10" (2/38x235) L5 3/2"x8" (3/38x184) B3 3/2"x10" (3/38x235) B5 4/2"x8" (4/38x184) B4 4/2"x10" (4/38x235) B6 5/2"x8" (5/38x184) B8 5/2"x10" (5/38x235) B9 ENGINEERED LUMBER SCHEDULE 1 3/4" x 9 1/2" LVL 1 -1 3/4"x9 1/2" LVL3 1 -1 3/4"x11 7/8" LVL1 2 -1 3/4"x9 1/2" LVL6 2 -1 3/4"x11 7/8" LVL1 3 -1 3/4"x9 1/2" LVL7 3 -1 3/4"x11 7/8" LVL1 3 -1 3/4"x9 1/2" LVL7 4 -1 3/4"x9 1/2" LVL9 4 -1 3/4"x11 7/8" LVL13 3.2. STEEL LINTELS SUPPORTING MASONE		

E SIZE 3 1/2" x 3 1/2" x 1/4" (89 x 89 x 6.4) STAMP FOR STRUCTURAL 4" x 3 1/2" x 1/4" (102 x 89 x 6.4) ONLY, NOT INCLUDING

BRICK STONE 8'-1" (2.47m) 7'-6" (2.30m) 8'-9" (2.66m) 8'-1" (2.48m) 10'-10" (3.31m) 4 7/8" x 3 1/2" x 3/8" (127 x 89 x 11) 11'-5" (3.48m) 10'-7" (3.24m) 11'-7" (3.54m) 5 7/8" x 3 1/2" x 3/8" (152 x 89 x 11) 12'-6" (3.82m) 7 1/8" x 4" x 3/8" (178 x 102 x 11) 14'-1" (4.30m) 13'-1" (3.99m)

A | EXTERIOR | 2'-10" x 6'-8" x 1-3/4" (865 x 2030 x 45) INSULATED MIN. R4 (RSI 0.7) EXTERIOR | 3'-0" x 6'-8" x 1-3/4" (915 x 2030 x 45) INSULATED MIN. R4 (RSI 0.7) EXTERIOR | 2'-6" x 6'-8" x 1-3/4" (760 x 2030 x 45) INSULATED MIN. R4 (RSI 0.7 D | EXTERIOR | 2'-8" x 6'-8" x 1-3/4" (815 x 2030 x 45) INS. MIN. R4 (RSI 0.7) (SEE HEX NOTE 20 1E | EXTERIOR | 3'-0" x 8'-0" x 1-3/4" (915 x 2440 x 45) INSULATED MIN. R4 (RSI 0.7) 2A EXTERIOR | 2-8 x 6-8" x 1-3/4" (815 x 2030 x 45) 20 MIN. F.R.P. DOOR/FRAME WITH APP. SELF CLOSING DEVICE 2 INTERIOR 2'-8" x 6'-8" x 1-3/8" (815 x 2030 x 35)

F ABOVE FINISHED FLOOR

C C LIGHT FIXTURE (PULL CHAIN)

CABLE T.V. JACK

CONFORMING TO SECTIONS 9.5.11, 9.6., 9.7.2.1, 9.7.5.2, & 9.10.13.10

EXTERIOR | 2'-8" x 6'-8" x 1-3/4" (815 x 2030 x 45) INSULATED MIN. R4 (RSI 0.7

3 | INTERIOR | 2'-6" x 6'-8" x 1-3/8" (760 x 2030 x 35) PROVIDE 8'-0" HIGH 3A | INTERIOR | 2'-4" x 6'-8" x 1-3/8" (710 x 2030 x 35) INTERIOR DOORS 4 INTERIOR 2'-0" x 6'-8" x 1-3/8" (610 x 2030 x 35) FOR ALL 10' CEILING CONDITIONS 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

LIST LIOIST

FM BEAM BY FLOOR MANUFACTURER LIN LINEN CLOSET G FIXED GLASS W/ BLACK BACKING LVL LAMINATED VENEER LUMBER OTB/A OPEN TO BELOW/ABOVE BEAM RM BEAM BY ROOF MANUFACTURER PL POINT LOAD RF | CONVENTIONAL ROOF FRAMING PLT | PLATE PRESSURE TREATED COMPLETE WITH TJ DOUBLE JOIST/ TRIPLE JOIST DO OVER D | POWDER ROOM RT | ROOF TRUSS RP | DROPPED S. EXTERIOR INSULATION FINISH SYSTEM RWL RAIN WATER LEADER ENGINEERE SB | SOLID BEARING WOOD POS SBFA SB FROM ABOVE T FSTIMATED FLAT ARCH SJ | SINGLE JOIST FLOOR DRAIN SPR | SPRUCE T/O TOP OF FLUSH FLR | FLOOR TYP TYPICAL GIRDER TRUSS U/S UNDERSIDE HOSE BIB WD WOOD V | HEAT RETURN VENTILATION UNIT | WIC | WALK IN CLOSET WP | WEATHER PROOF WT | HOT WATER TANK LL ELECTRICAL FACILITIES SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 9.34 CLASS 'B' VENT S EXHAUST VENT DUPLEX OUTLET (12" HIGH) DUPLEX OUTLET (HEIGHT AS NOTED A. HEAVY DUTY OUTLET ഗ ട്ട് SWITCH (2/3/4 WAY) ROUGH IN FOR ELECTRIC VEHICLE - LIGHT FIXTURE (CEILING MOUNTED CHARGING STATION (9.34.4) POT LIGHT - LIGHT FIXTURE (WALL MOUNTED)

■ SA **SMOKE ALARM** (9.10.19.) PROVIDE ONE PER FLOOR, NEAR THE STARS 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".

TELEPHONE JACK

CHANDELIER (CEILING MOUNTED

CMD CARBON MONOXIDE ALARM (9.33.4.) TOHECK LOCAL BY-LAWS FOR REQUIREMENTS ** A CARBON MONOXIDE ALARM(S) CONFORMING TO CAN/CGA-6.19 SHALL BE INSTALLED ON OR NEAR THE CEILING IN EACH DWELLING UNIT ADJACENT TO EACH SLEEPING AREA. CARBON MONOXIDE ALARM(S) ANENTLY WIRED WITH NO DISCONNECT SWITCH, WITH AN ALARM THAT IS

UDIBLE 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 THAN THE WIDTH OF SUPPORTED MEMBER. BUILT-UP WOOD COLUMNS SHALL BE NAILED TOGETHER WITH NOT LESS THAN 3" (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

ONFORM TO TABLES 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 REFER TO HEX NOTE 40. REFER TO HEX NOTE 40A.

SECTION 4.0. CLIMATIC DATA DESIGN SNOW LOAD (9.4.2.2.): WIND LOAD (q50) (SB-1.2.):

1.12 **kPa** 0.44 **kPa**

2 HR. FIREWALI

NTRACTOR MUST VERIFY ALL DIMENSIONS ON THE JOB, REPORT ANY DISCREPANCIES TO IGN ASSOCIATES INC. (H.D.A.I.) BEFORE PROCEEDING WITH THE WORK, ALL THE DRAWING, ICIFICATIONS ARE THE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF H.D.A.I. CONSTRUCTION TO ADHERE TO THESE PLANS AND SPECIFICATIONS AND TO CONFORM TO ARIO BUILDING CODE AND ALL OTHER APPLICABLE CODES AND AUTHORITIES HAVING JURI SE REQUIREMENTS ARE TO BE TAKEN AS MINIMUM SPECIFICATIONS. ONT. REG. 332/12. NSTRUCTION NOTE REVISION DATE: Jan. 11 2018

F UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS SIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQUIRE IT IN THE ONTARIO BUILDING CODE TO BE A DESIGNER. DEREK R. SANTOS

CONSTRUCTION NOTES 1 &2 ROYAL PINE HOMES-FORESTSIDE ESTATES PH2 - 215044 'DAFFODIL' - 1701

"MANOR OF CLAIREVILLE", BRAMPTON, ONT. REV.2019.05.17 HUNTUU NS DS 3/16"=1'-0**"** 215044WS1701.DWG 8 of 8966 Woodbine Ave, Markham, ON L3R 0J7 T 905.737.5133 F 905.737.7326 www.huntdesign.ca