

ELEVATION 'A'

ELEVATION B

ELEVATION 'C'

UNIT 3804

SB-12 ENERGY EFFICIENCY DESIGN MATRIX

	SPACE HE	ATING FUEL
PERFORMANCE COMPLIANCE	■ GAS	□ OIL
I LITI OHIVIAINOL GOIVII LIAINOL	☐ ELECTRIC	□ PROPANE
	□ EARTH	☐ SOLID FUEL

BUILDING COMPONENT	PROPOSED
INSULATION RSI (R) VALUE	
CEILING W/ ATTIC SPACE	10.56 (R60)
CEILING W/O ATTIC SPACE	5.46 (R31)
EXPOSED FLOOR	5.46 (R31)
WALLS ABOVE GRADE	3.87 (R22)+1.5ci
BASEMENT WALLS	R20 Blanket or R12+R10ci
BELOW GRADE SLAB ENTIRE SURFACE > 600mm BELOW GRADE	-
EDGE OF BELOW GRADE SLAB ≤ 600mm BELOW GRADE	1.76 (R10)
HEATED SLAB ≤ 600mm BELOW GRADE	1.76 (R10)
CONC. SLAB ≤ 600mm BELOW GRADE	1.76 (R10)
WINDOWS & DOORS	
WINDOWS/SLIDING GLASS DOORS (MAX U-VALUE or MIN. ER)	1.6
SKYLIGHTS (MAX. U-VALUE)	2.8
APPLIANCE EFFICIENCY	
SPACE HEATING EQUIP. (AFUE%)	96% AFUE w/ECM
HRV EFFICIENCY (%)	75%
DOMESTIC HOT WATER HEATER (EF)	0.9
DWHR UNIT (%)	53.3% ON 1 SHOWERS MIN.

AREA CALCULATIONS	EL. 'A'	EL. 'B'	EL. 'C'
	STD. PLAN	STD. PLAN	STD. PLAN
GROUND FLOOR AREA	1514.90 sq. ft.	1514.90 sq. ft.	1514.90 sq. ft.
SECOND FLOOR AREA	1837.96 sq. ft.	1837.96 sq. ft.	1837.96 sq. ft.
SUBTOTAL	3353 sq. ft.	3353 sq. ft.	3353 sq. ft.
DEDUCT ALL OPEN AREAS	20.53 sq. ft.	20,53 sq. ft.	20.53 sq. ft.
TOTAL NET AREA	3332 sq. ft.	3332 sq. ft.	3332 sq. ft.
	(309.58 sq. m.)	(309.58 sq. m.)	(309.58 sq. m.)
FINISHED BASEMENT AREA			
COVERAGE	1930.71 sq. ft.	1930,71 sq. ft.	1938.87 sq. ft.
W/OUT PORCH	(179.37 sq. m.)	(179.37 sq. m.)	(180.13 sq. m.)

2001.96 sq. ft.2001.96 sq. ft.1990.20 sq. ft. COVERAGE

W/ PORCH	(185.99 sq. m.)	(185.99 sq. m.)	(184.90 sq. m.)			
WINDOW / WALL AREA	EL. 'A'	EL 'A'	EL. 'A'	EL. 'A'	EL. 'B'	EL. 'B'
CALCULATIONS	STD. PLAN	OPT. PLAN	STD. PLAN + DR.	OPT. PLAN + DR.	STD. PLAN	OPT. PLAN
CDOCC WALL ADEA	3952.64 sq. ft.	3952.64 sq. ft.	3952.64 sq. ft.	3952.64 sq. ft.	3972.64 sq. ft.	3972.64 sq. ft.
GROSS WALL AREA	(367.21 sq. m.)	(367.21 sq. m.)	(367.21 sq. m.)	(367.21 sq. m.)	(369.07 sq. m.)	(369.07 sq. m.)
GROSS WINDOW AREA	421.33 sq. ft.	421.33 sq. ft.	441.83 sq. ft.	441.83 sq. ft.	425.83 sq. ft.	425.83 sq. ft.
INCL, GLASS DOORS & SKYLIGHTS)	(39.14 sq. m.)	(39.14 sq. m.)	(41.05 sq. m.)	(41.05 sq. m.)	(39.56 sq. m.)	(39.56 sq. m.)
TOTAL WINDOW %	10.66 %	10.66 %	11.18 %	11.18 %	10.72 %	10.72 %

1 - TITLE PAGE

- 2 BASEMENT PLAN, EL. 'A' & 'B'
- 3 GROUND FLOOR PLAN, EL. 'A'
- 4 SECOND FLOOR PLAN, EL. 'A'
- 5 OPT. SECOND FLOOR PLAN W/ 5 BEDROOMS, EL. 'A'
- 6 PARTIAL FLOOR PLANS, EL. 'B'
- 7 PARTIAL OPT. SECOND FLOOR W/ 5 BEDROOMS, EL. 'B'
- 8 PARTIAL BASEMENT & GROUND FLOOR PLANS, EL. 'C'
- 9 PARTIAL SECOND FLOOR PLANS, EL. 'C'
- 10 FRONT ELEVATION 'A'
- 11 LEFT SIDE ELEVATION 'A'
- 12 RIGHT SIDE ELEVATION 'A'
- 13 REAR ELEVATION 'A', 'B' & 'C'
- 14 FRONT ELEVATION 'B'
- 15 LEFT SIDE ELEVATION 'B'
- 16 RIGHT SIDE ELEVATION 'B'
- 17 FRONT ELEVATION 'C'
- 18 LEFT SIDE ELEVATION 'C'
- 19 RIGHT SIDE ELEVATION 'C'
- 20 CROSS SECTION 'A-A'
- 21 CONSTRUCTION NOTES 1
- 22 CONSTRUCTION NOTES 2



TITLE PAGE

UNIT 3804

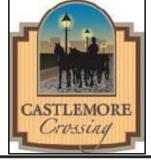
of 22

EL. 'B'	EL. 'B'	EL. 'C'	EL. 'C'	EL. 'C'	EL. 'C'	
STD. PLAN + DR.	OPT. PLAN + DR.	STD. PLAN	OPT. PLAN	STD. PLAN + DR.	OPT. PLAN + DR.	
3972.64 sq. ft.	3972.64 sq. ft.	3994.31 sq. ft.	3994.31 sq. ft.	3994.31 sq. ft.	3994.31 sq. ft.	
(369.07 sq. m.)	(369.07 sq. m.)	(371.08 sq. m.)	(371.08 sq. m.)	(371.08 sq. m.)	(371.08 sq. m.)	
446.33 sq. ft.	446.33 sq. ft.	447.83 sq. ft.	454.50 sq. ft.	468.33 sq. ft.	475.00 sq. ft.	
(41.47 sq. m.)	(41.47 sq. m.)	(41.60 sq. m.)	(42.22 sq. m.)	(43.51 sq. m.)	(44.13 sq. m.)	
11.24 %	11.24 %	11.21 %	11.38 %	11.72 %	11.89 %	



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REGISTRATION INFORMATION



7. ISSUED FOR PERMIT	-	-
6. ISSUED FOR FINAL APPROVAL	-	-
5. REVISED AS PER ARCHITECTURAL CONTROL COMMENTS	2022/08/09	MM
4. REVISED AS PER ENGINEER COMMENTS	2022/06/23	MM
3. REVISED AS PER ROOF TRUSS & FLOOR MANUFACTURE PLANS	2022/06/23	MM
2. REVISED AS PER CLIENT'S COMMENTS	2022/08/09	MM
1. ISSUED FOR CLIENT REVIEW & PRICING	2021/12/16	JLT
REVISIONS	DATE (YYYY/MM/DD)	BY
-		

ROYAL PINE HOMES - 221070

FORESTSIDE ESTATES INC., BRAMPTON, ON. REV.2022.10.19 3/16"=1'-0" DS

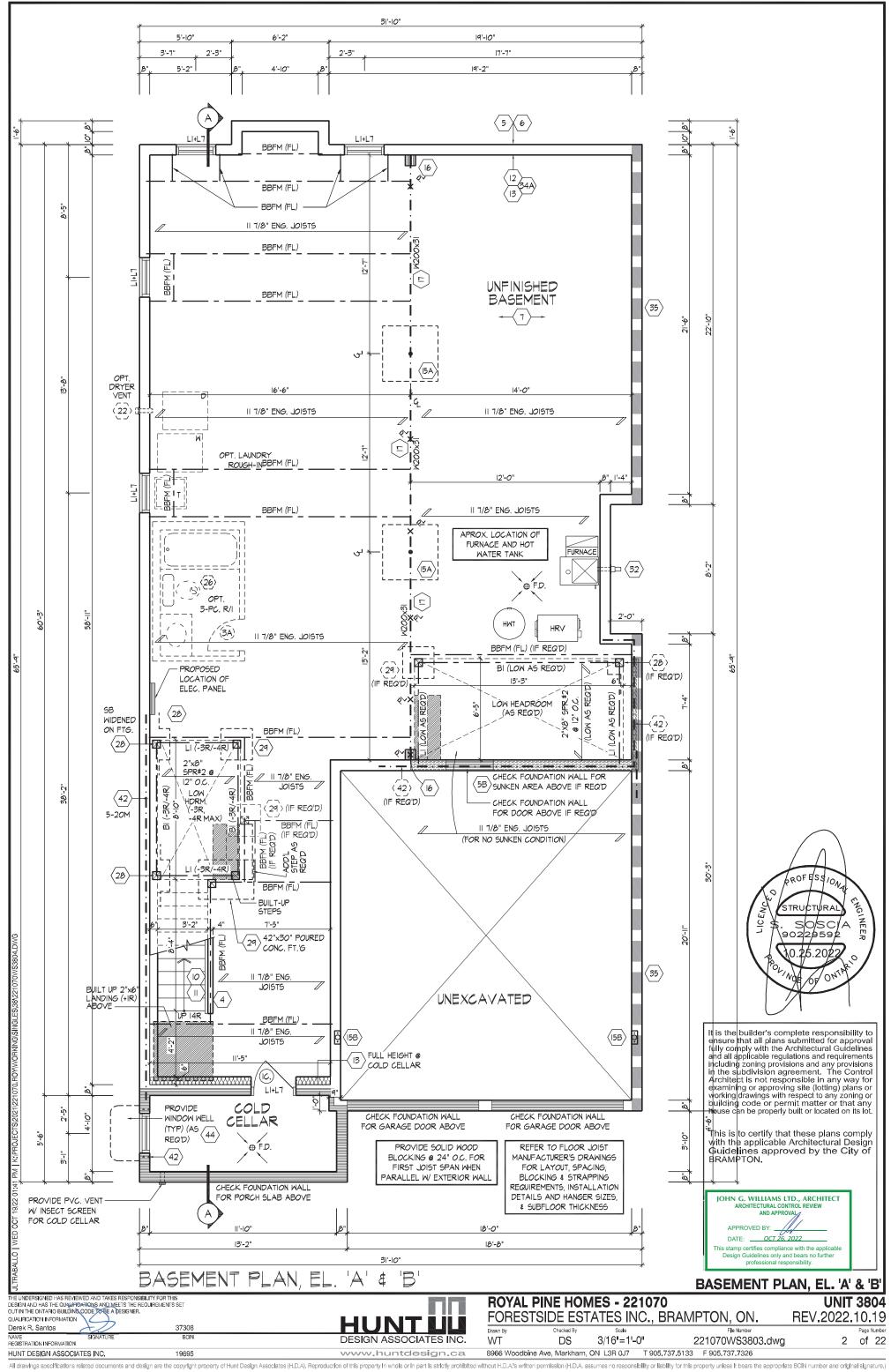
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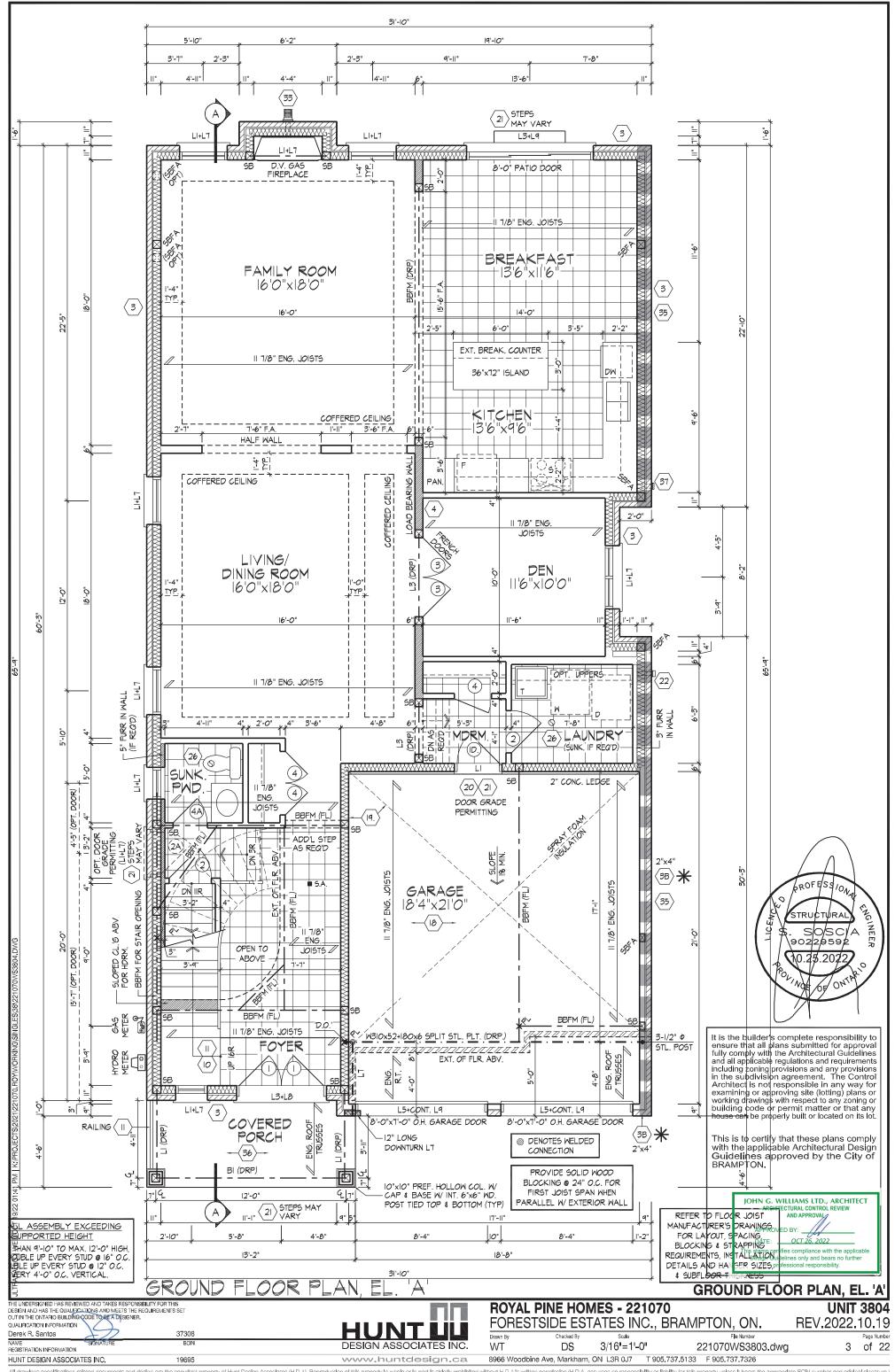
THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET OUT IN THE ONTAHO BUILDING SODE TO BE A DESIGNER. QUALIFICATION INFORMATION

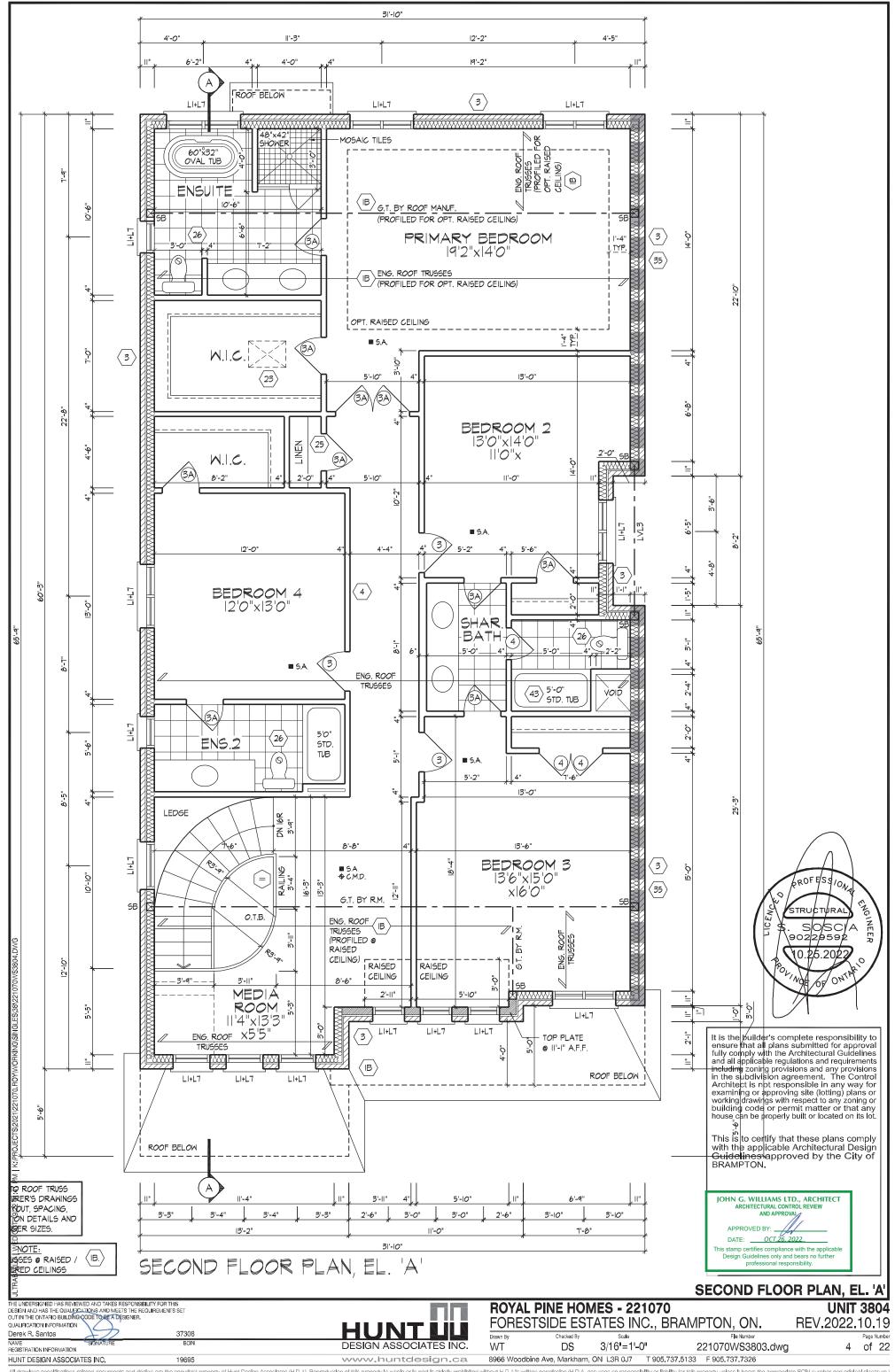
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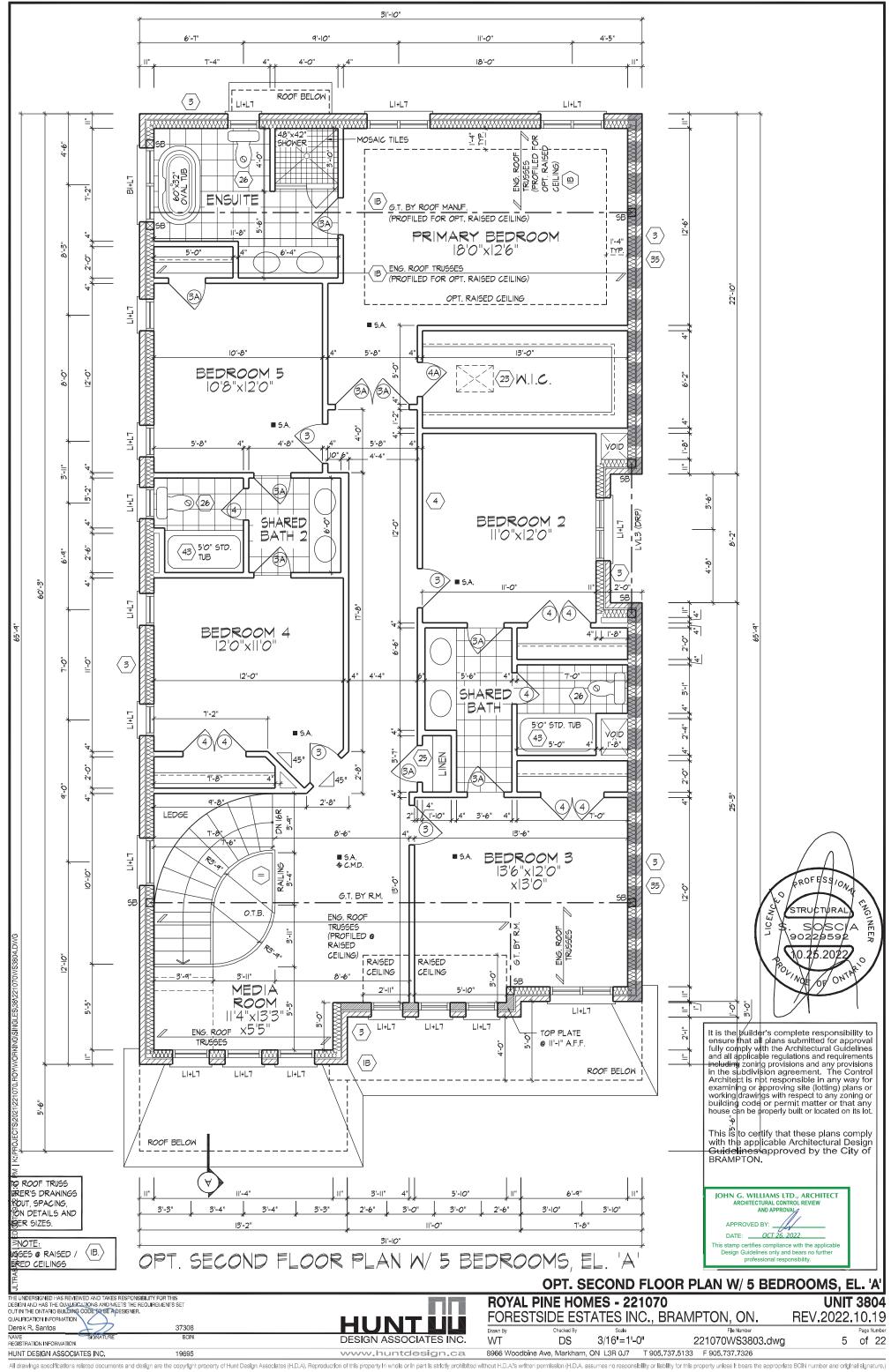
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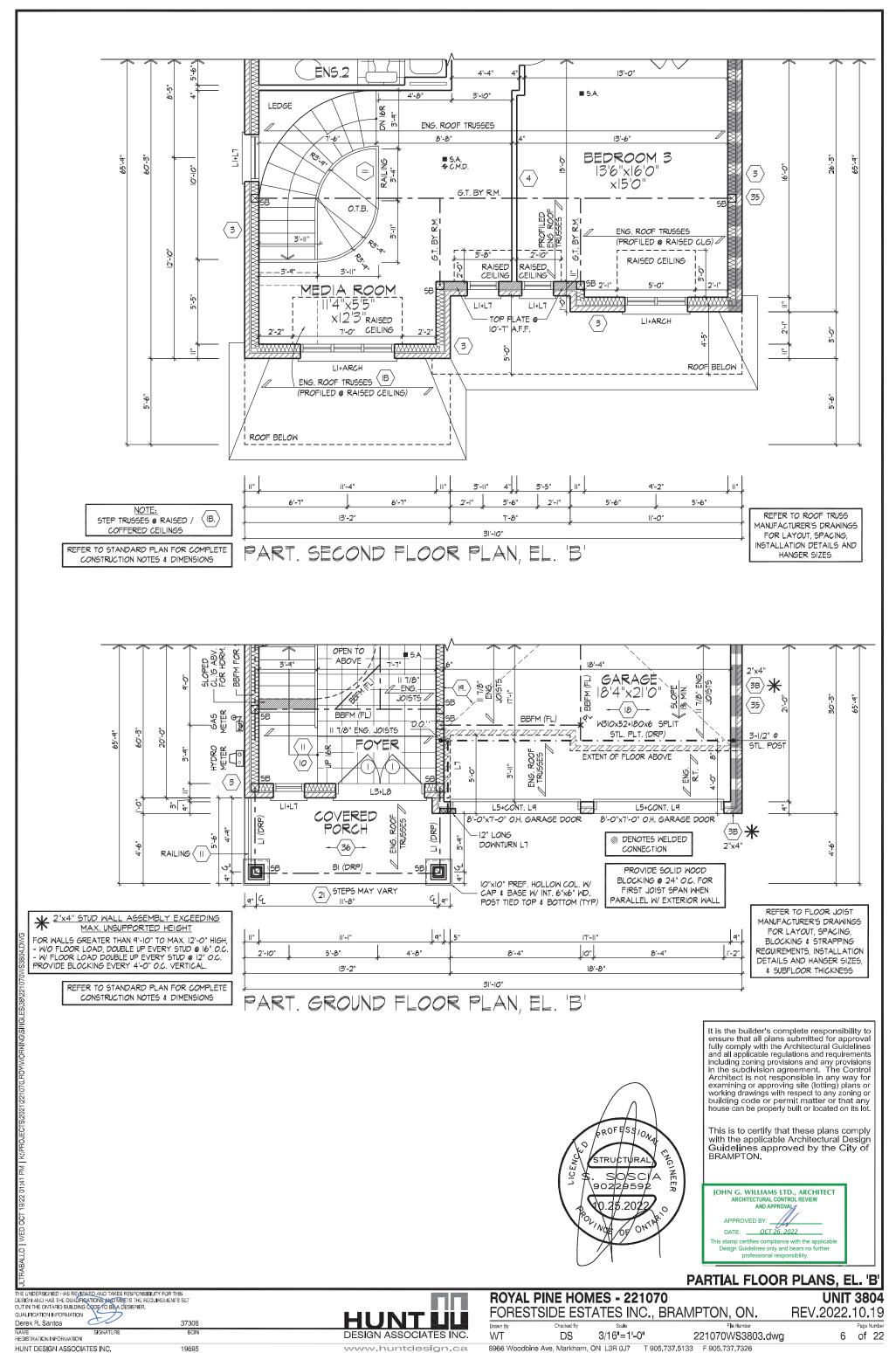
DESIGN ASSOCIATES INC.











37308

STRUCTURAL slosc 902|2|59*|*2 10.25.2022 0 ONTA

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.

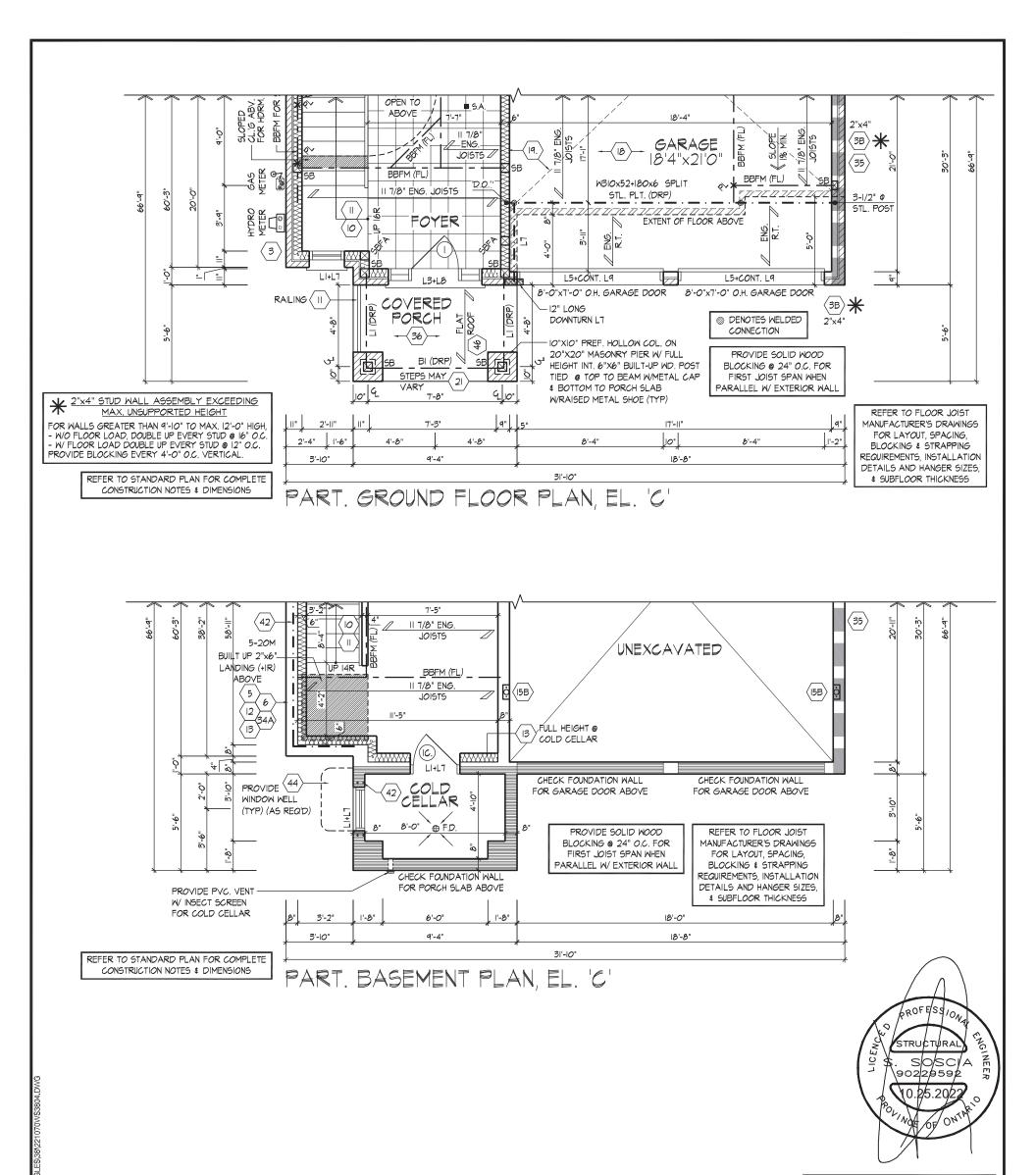
JOHN G. WILLIAMS LTD., ARCHITECT AND APPROVAL APPROVED BY: DATE: OCT 26, 2022 This stamp certifies compliance with the applicable Design Guidelines only and bears no further professional responsibility.

PARTIAL OPT. SECOND FLOOR W/ 5 BEDROOMS, EL. 'B'

ROYAL PINE HOMES - 221070 FORESTSIDE ESTATES INC., BRAMPTON, ON.

REV.2022.10.19 7 of 22

SIGNATURE BCIN 3/16"=1'-0" DESIGN ASSOCIATES INC. WT 221070WS3803.dwg DS REGISTRATION INFORMATION 8966 Woodbine Ave, Markham, ON L3R 0J7 T 905.737.5133 F 905.737.7326 HUNT DESIGN ASSOCIATES INC. 19695 www.huntdesign.ca



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PARTIAL BASEMENT & GROUND FLOOR PLANS, EL. 'C'

HUNT UU
DESIGN ASSOCIATES INC.

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

37308 BCIN

QUALIFICATION INFORMATION
Derek R. Santos

REGISTRATION INFORMATION

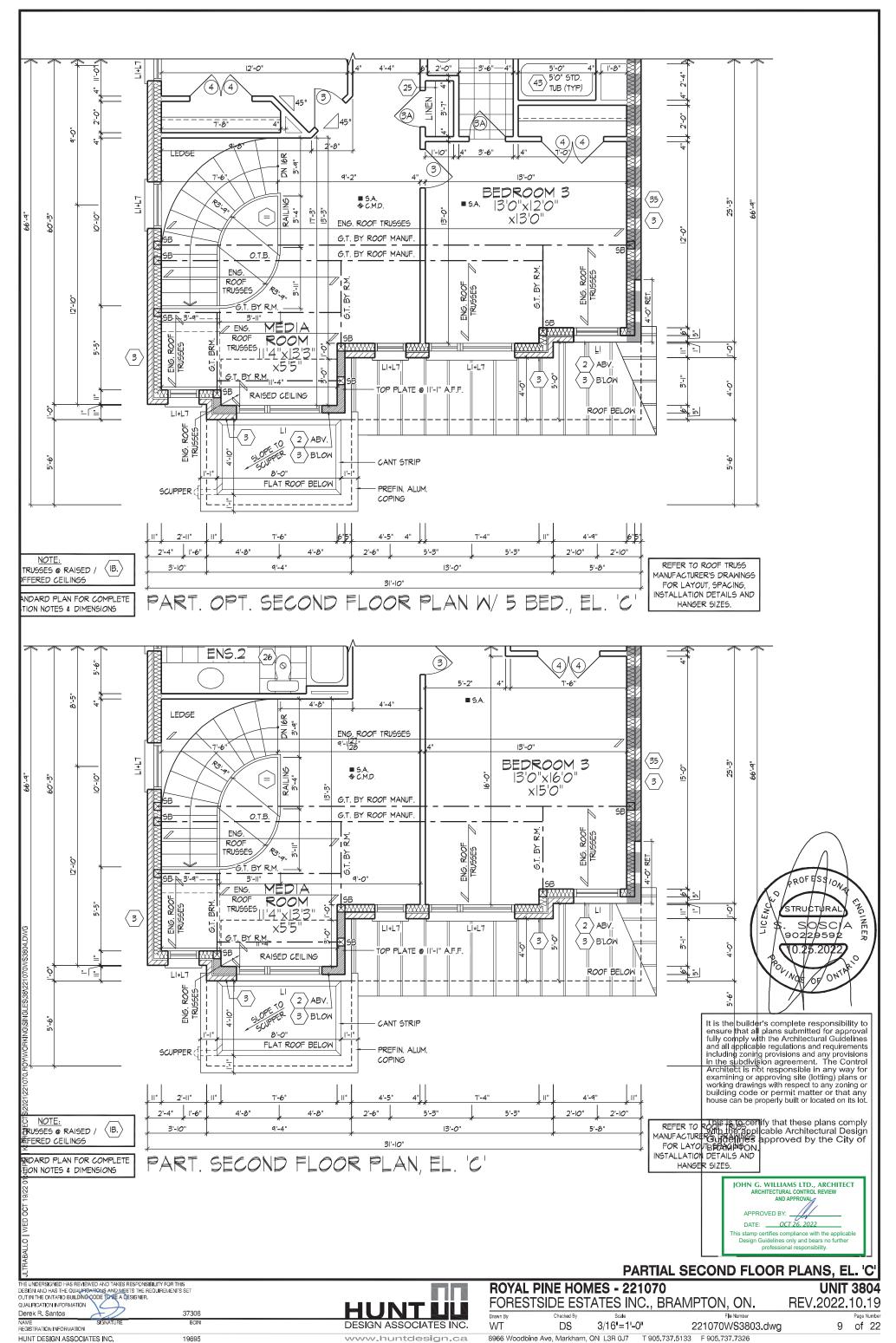
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FORESTSIDE ESTATES INC., BRAMPTON, ON.
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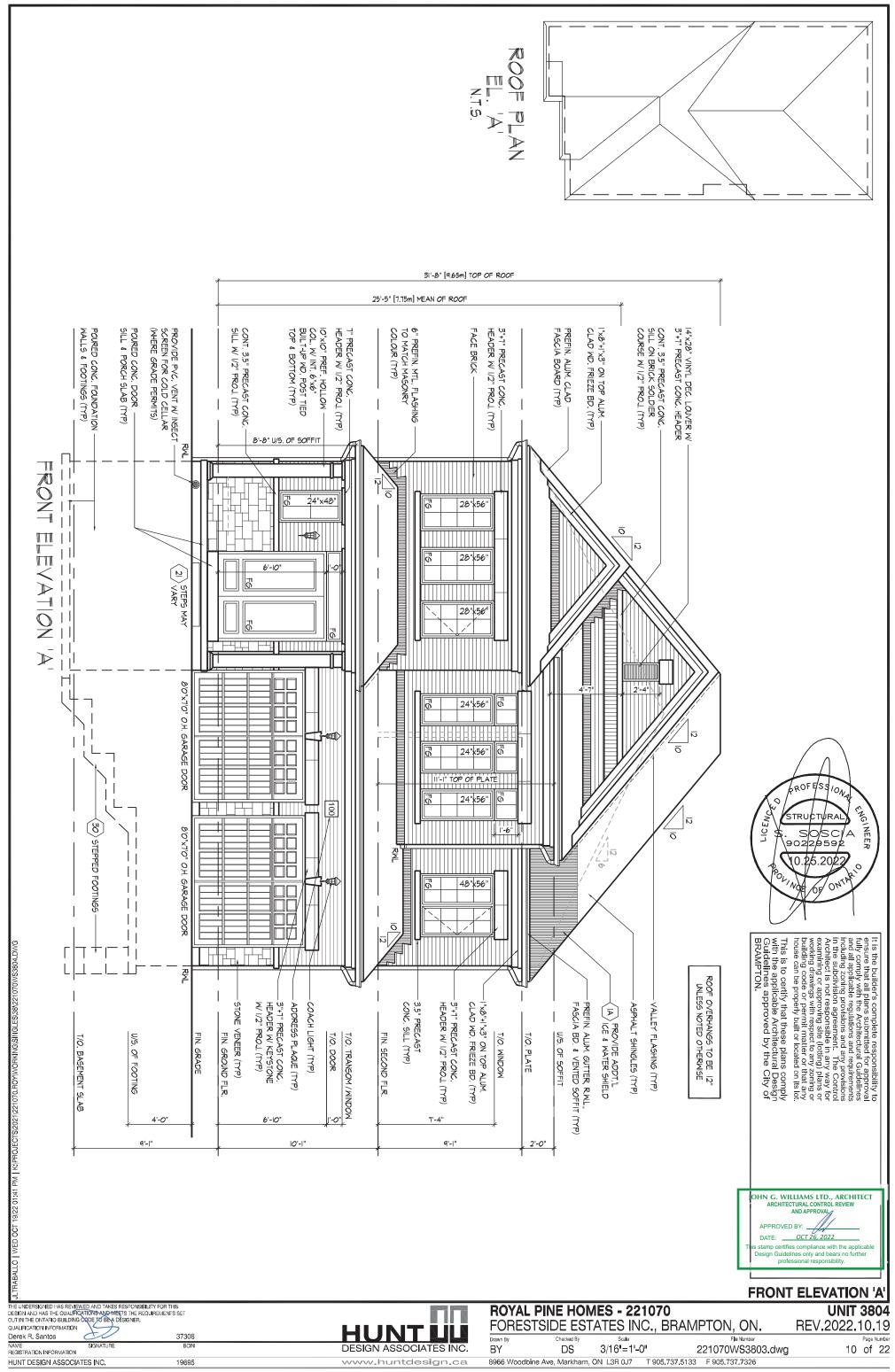
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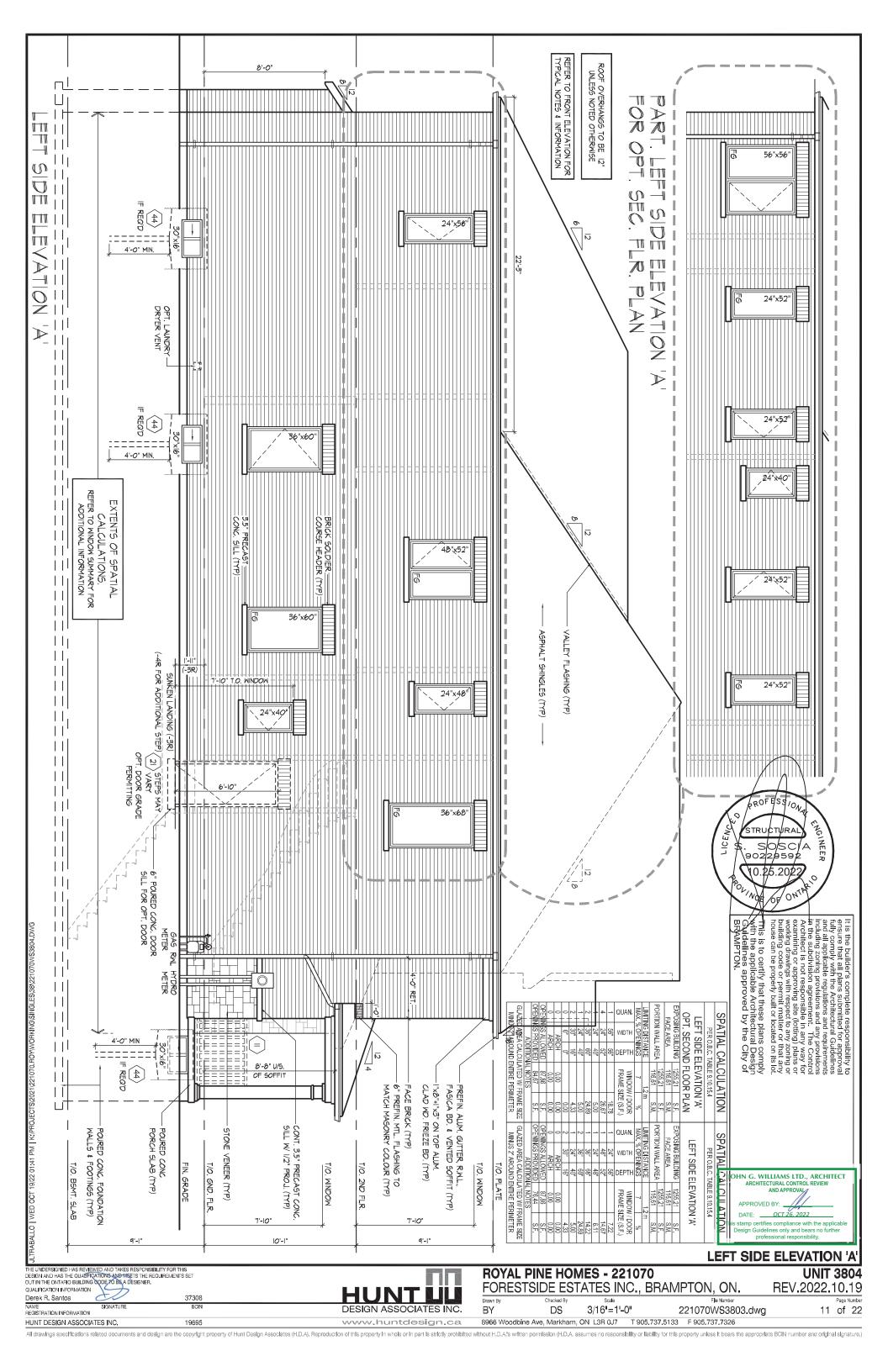
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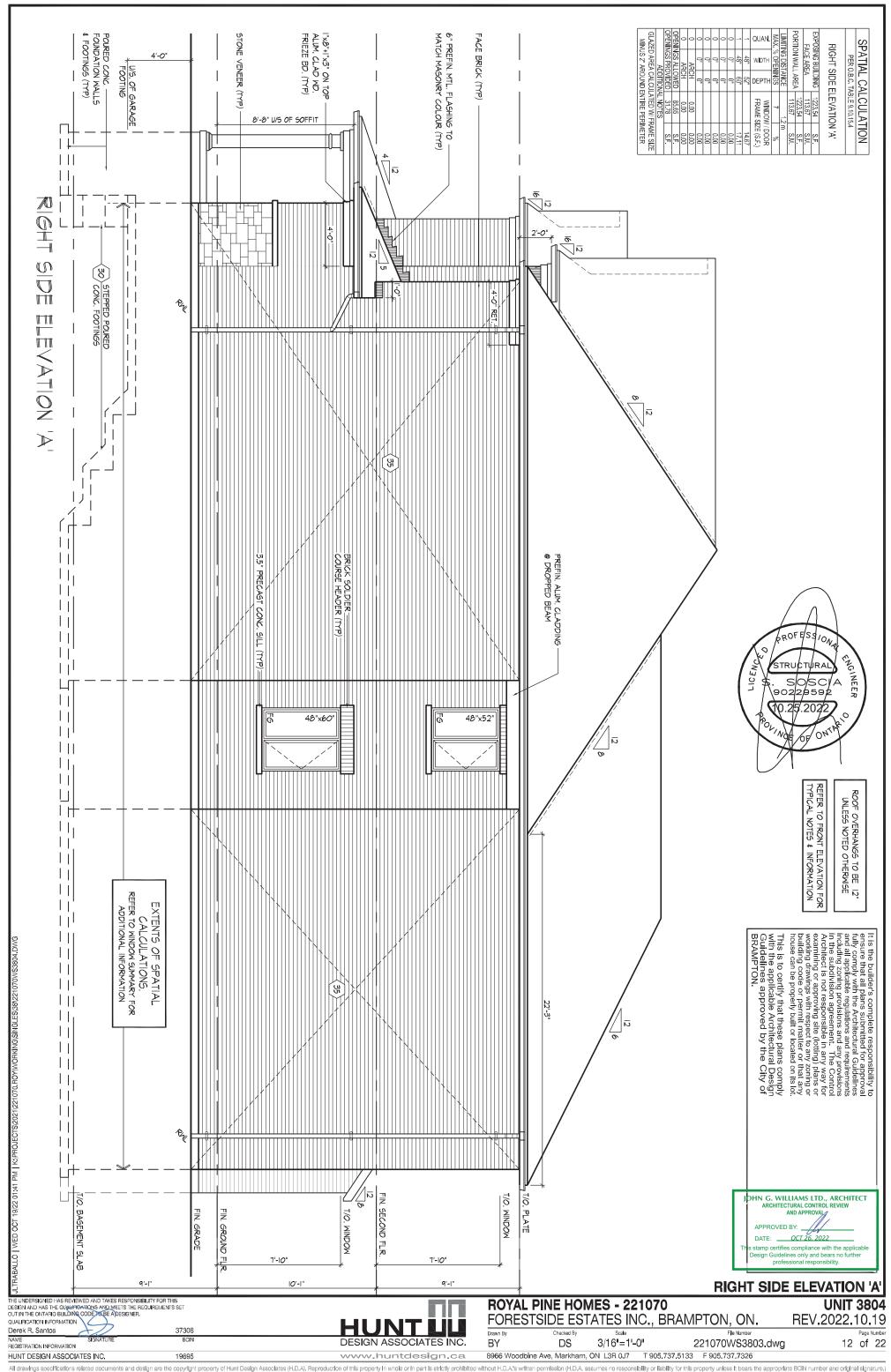
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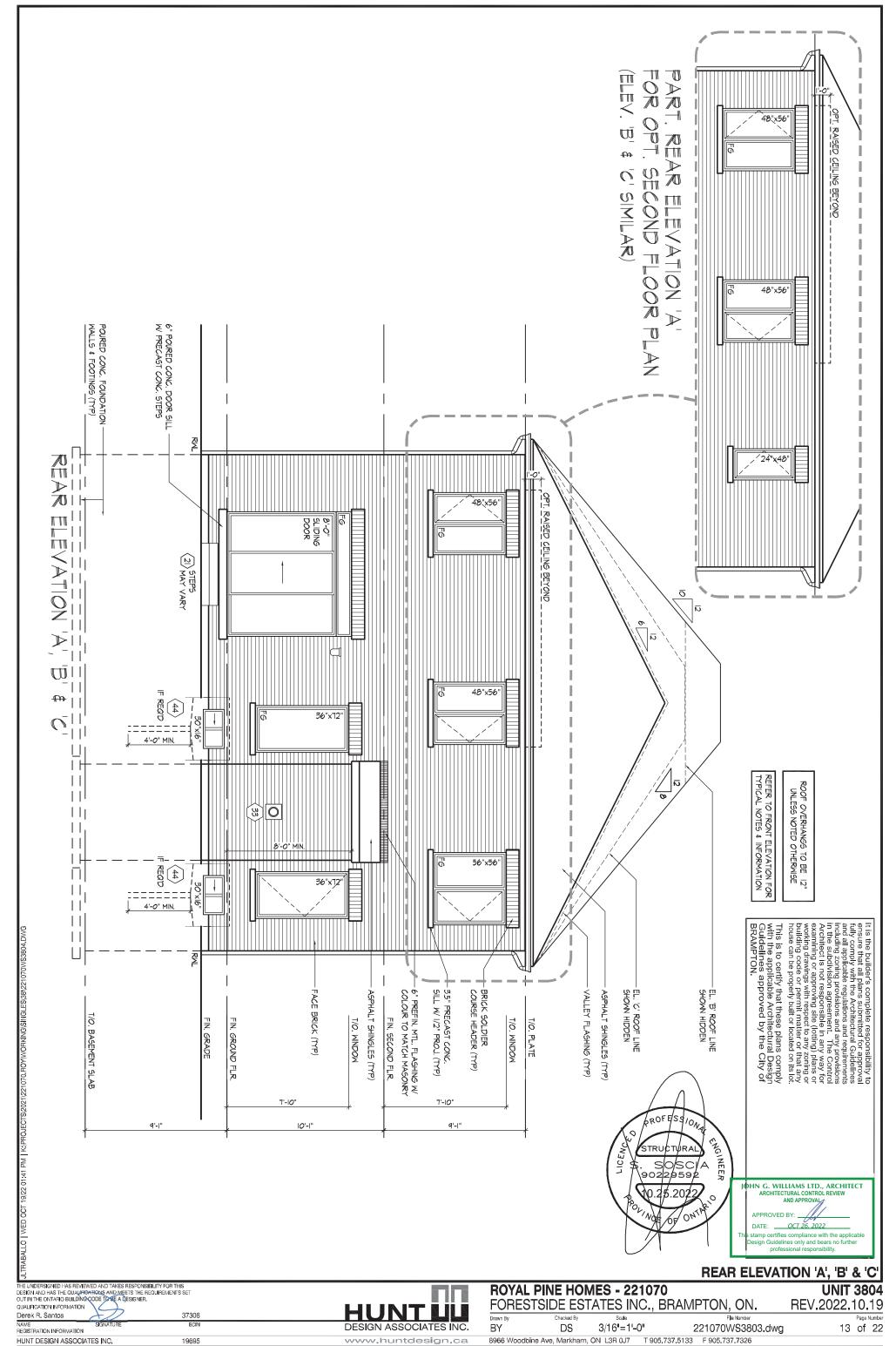
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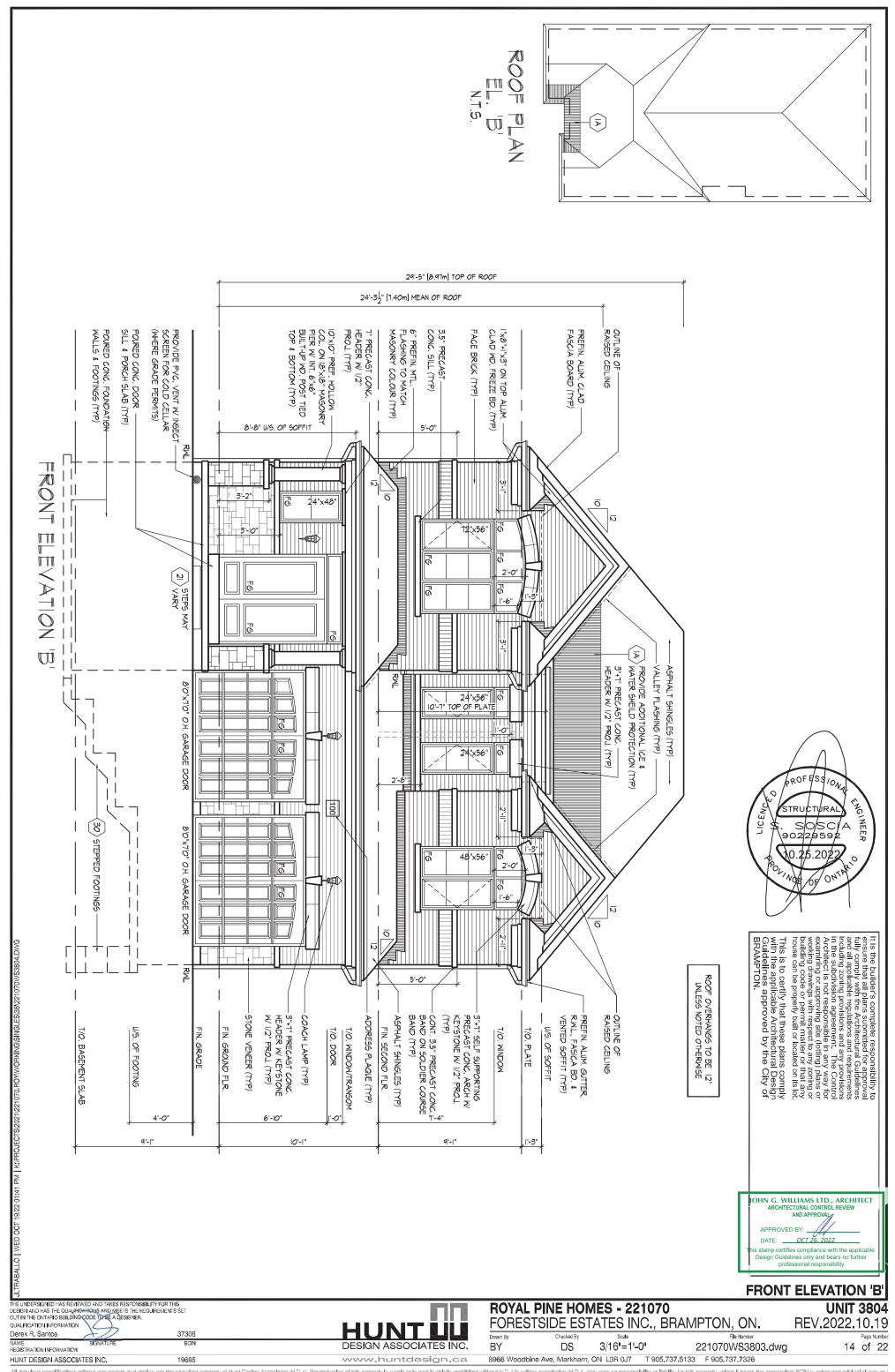


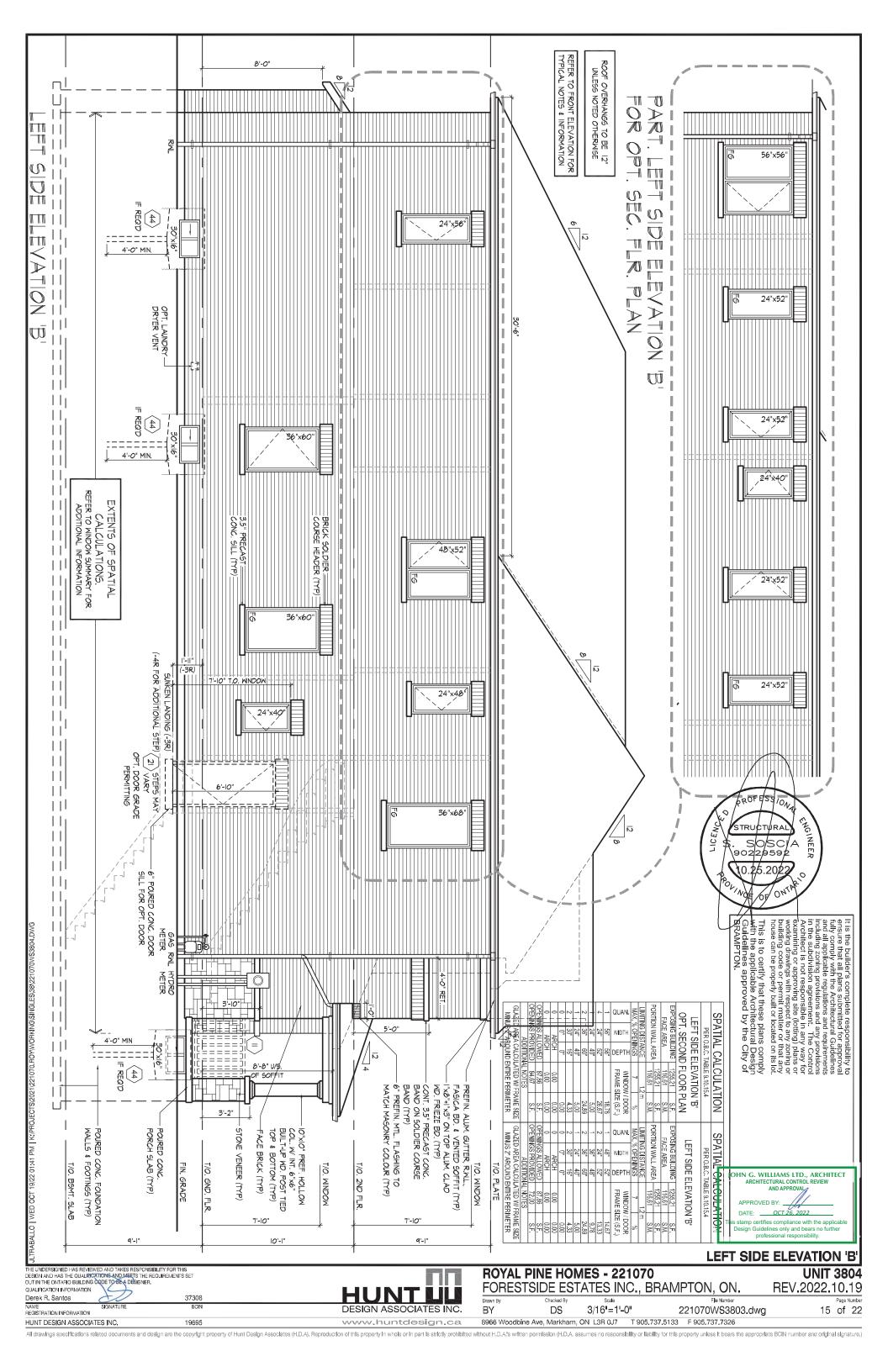


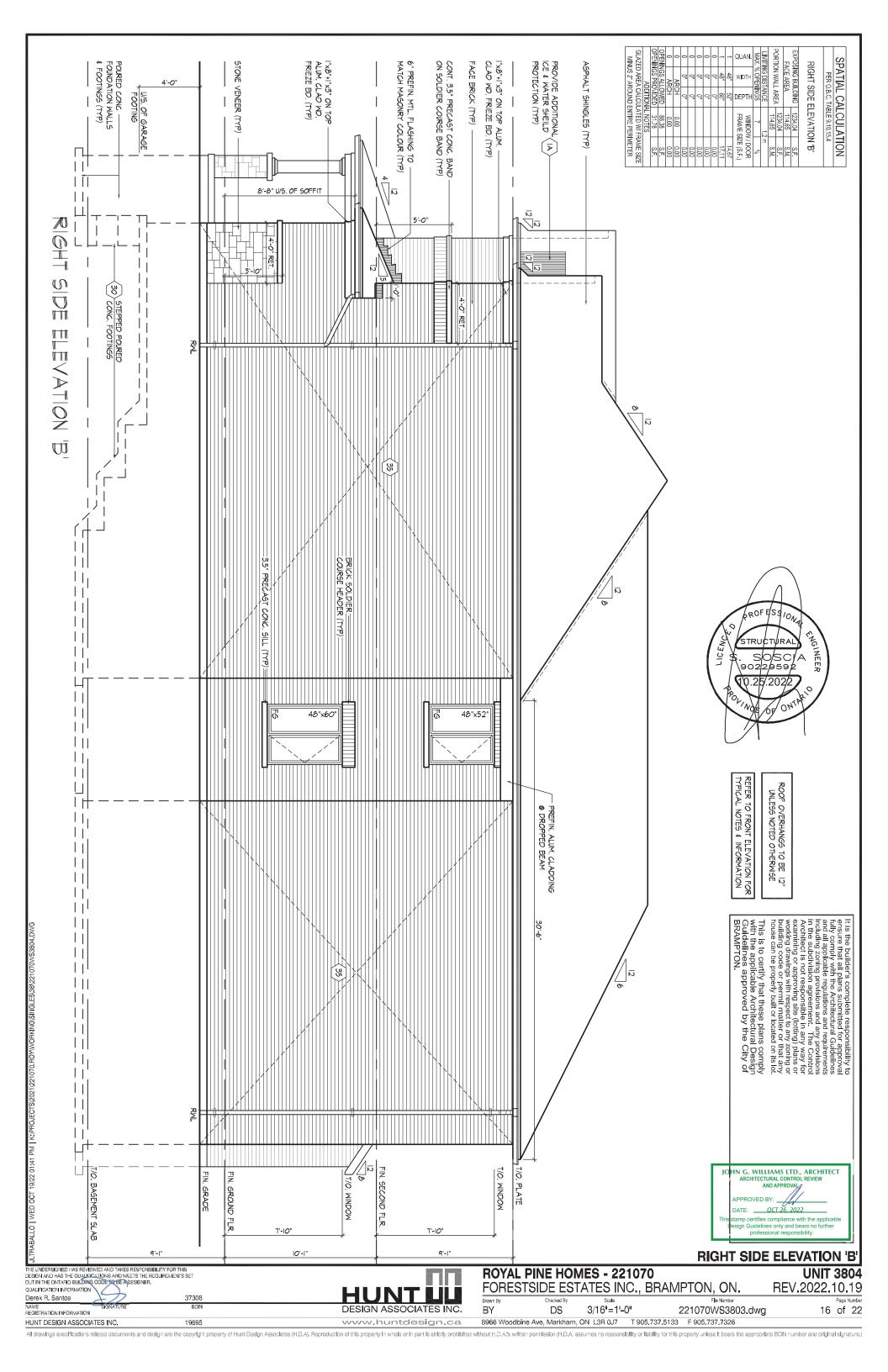


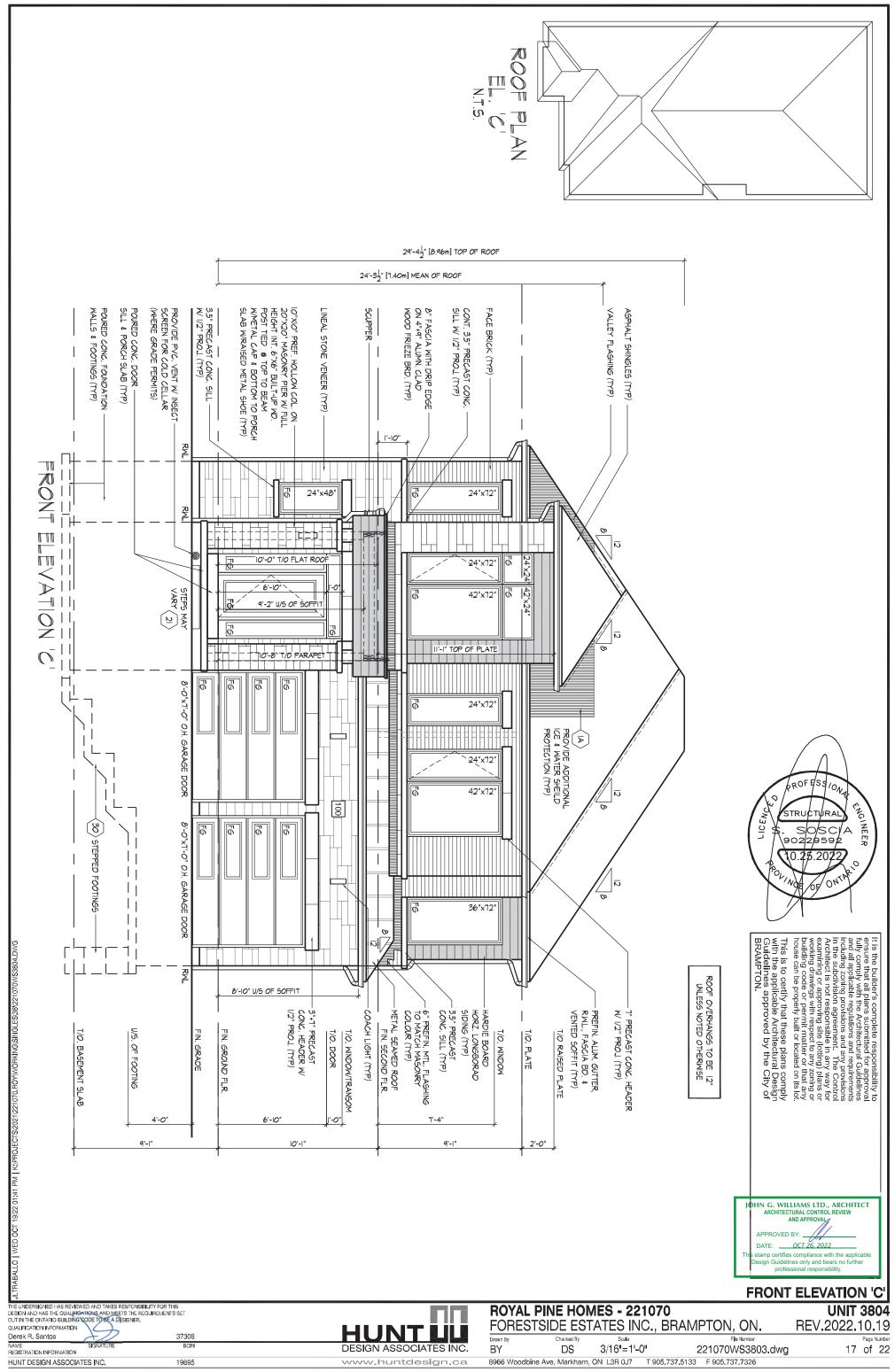


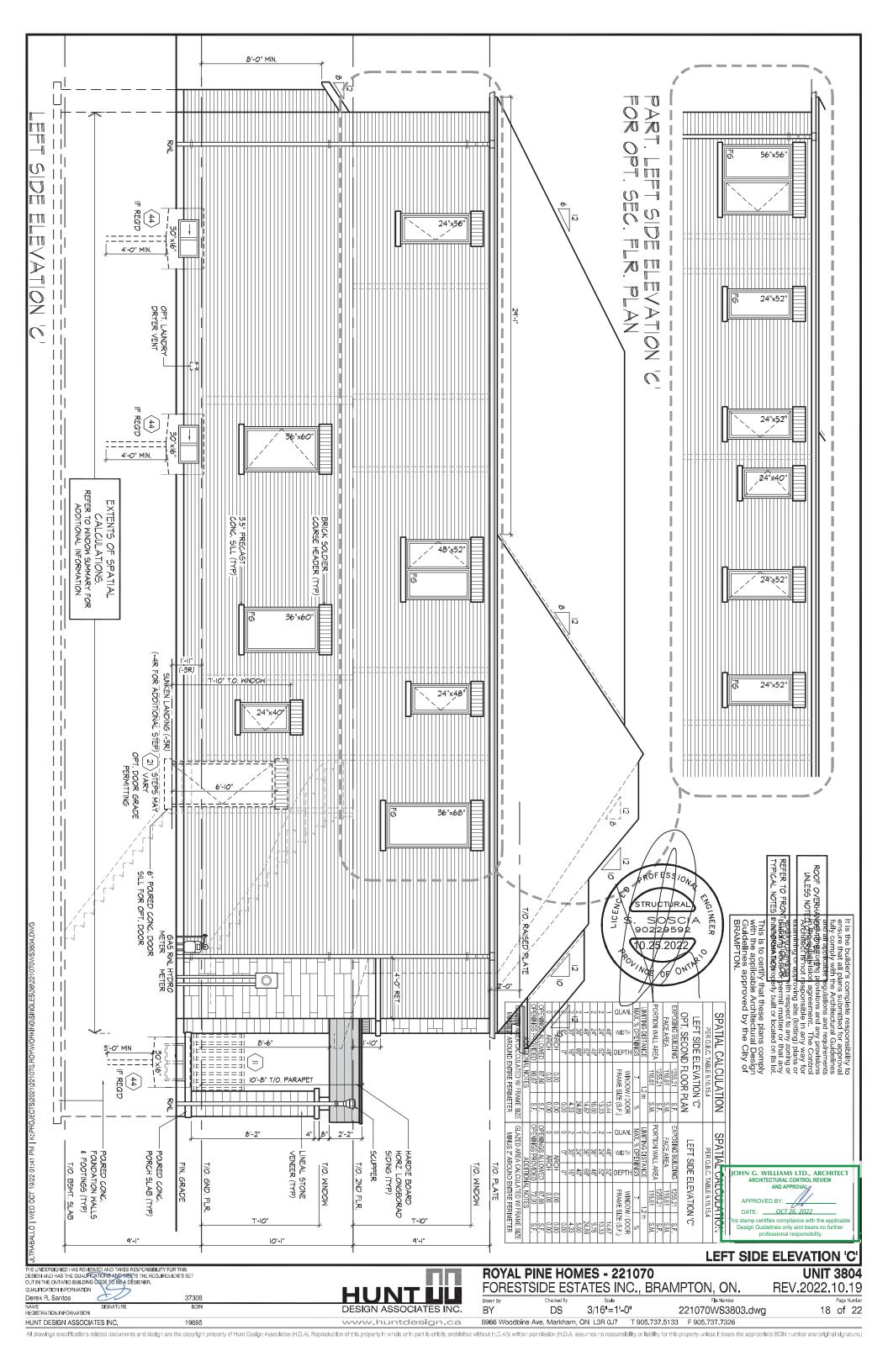


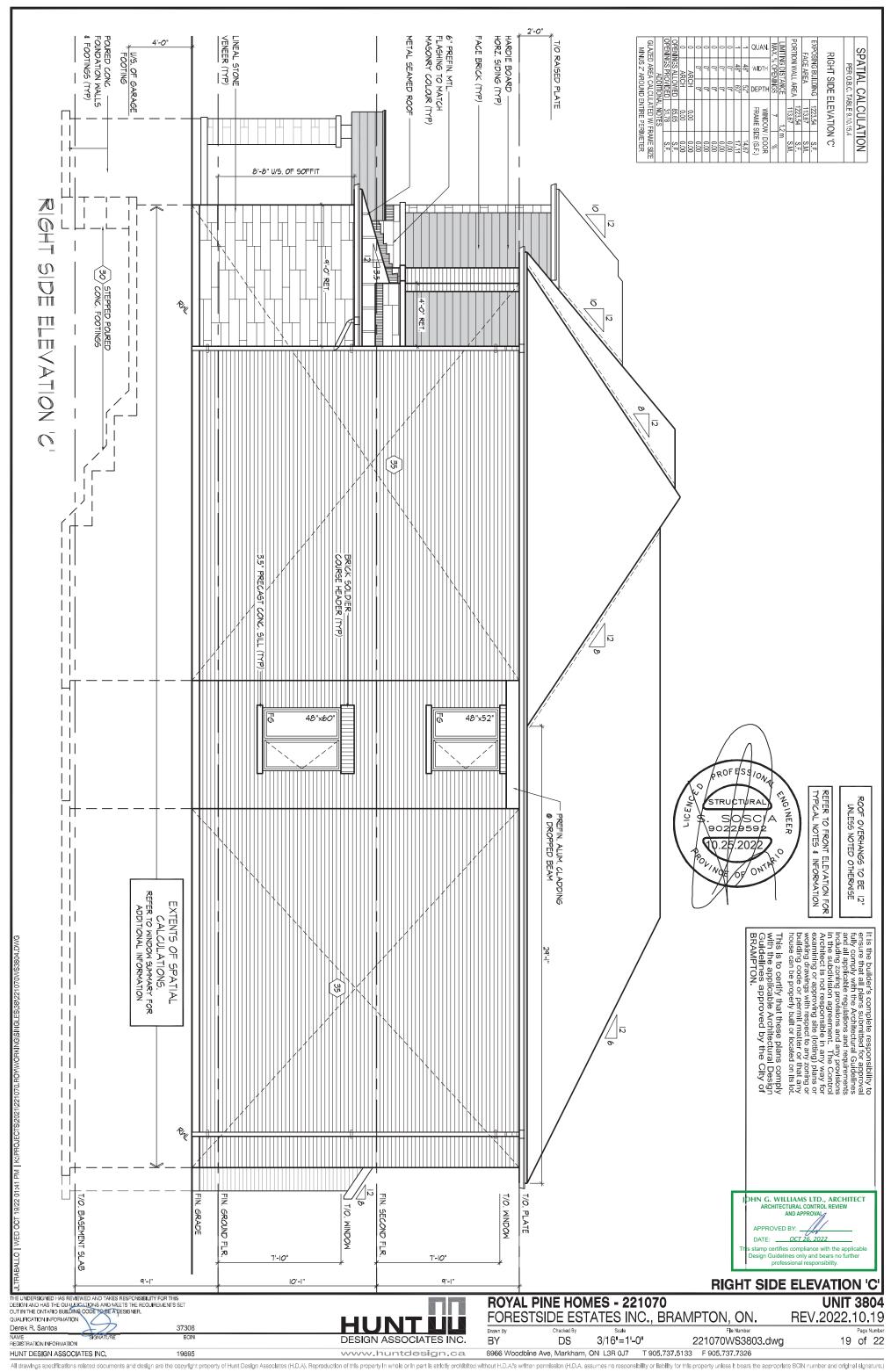


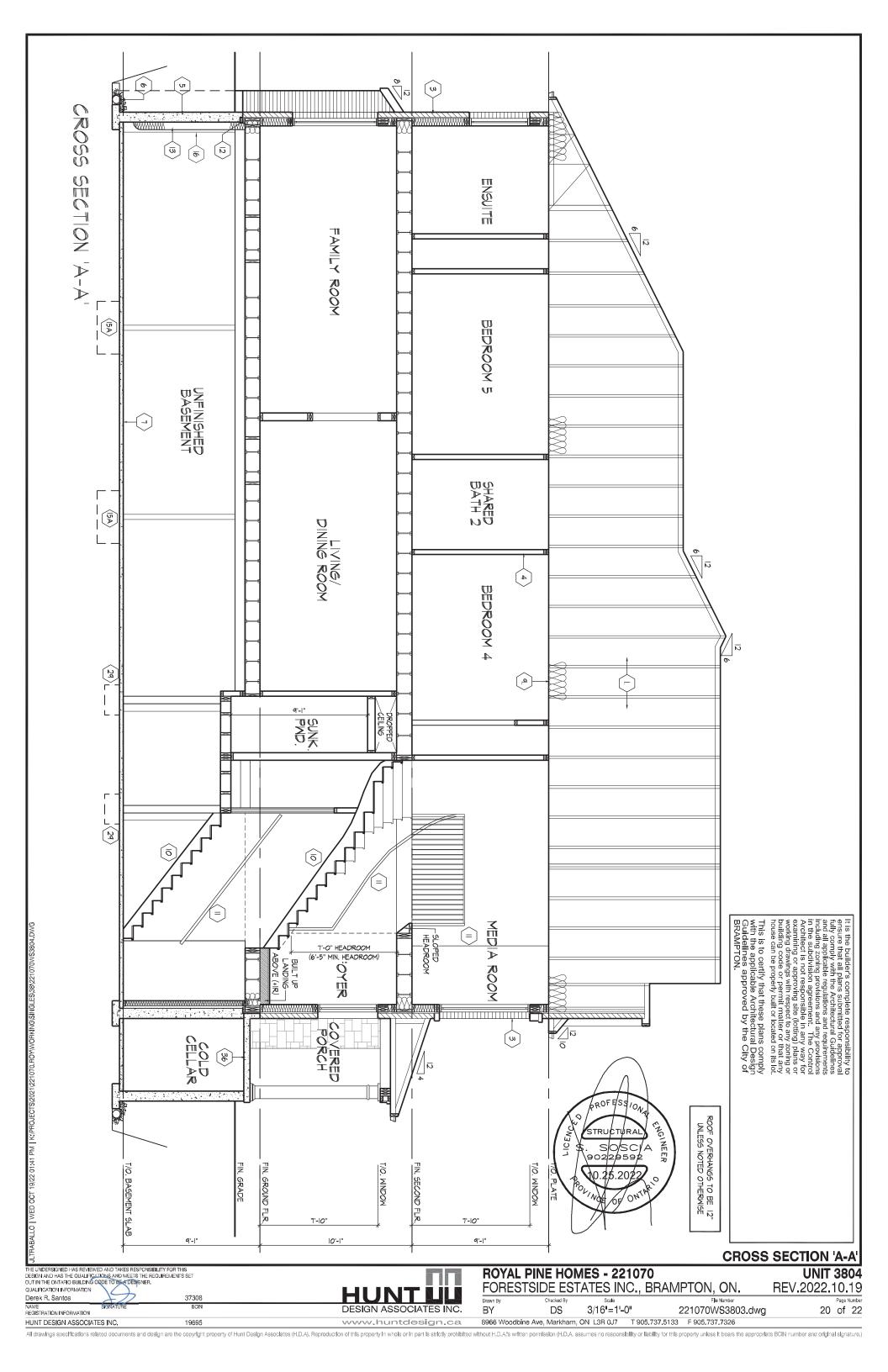












EAVESTROUGH AND DOWN RWL. ICE AND WATER SHIELD

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).

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 (2'x6')

SIDING WALL CONSTRUCTION (2 X8)

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). & SECTION 1.1., INSULATION, APPROVED 6 MIL POLYETH/ENE AIR/WAPOUR BARRIER, ON 1/2' (12.7) GYSSUM WALLBOARD INT. FIN (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 (2'x6') W/ CONTIN. INSULATION SIDING MATERIAL AS PER ELEVATION ATTACHED TO FURRING MEMBERS ON SIDING MAILERIAL AS PER ELEVATION ATTACHED TO PORTING MEMBERS O'N 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 AIRWAPOUR BARRIER, ON 1/2" (12.7) GYPSUM WALLBOARD INT. FIN. (GYPSUM SHEATHING, RIGID INSULATION, AND FIBERBOARD SHALL NOT BE (10) 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) 8 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)) (FEEER TO 3.8 NOTE AS PEO.) (9.23.16.3.(1.)) (REFER TO 35 NOTE AS REQ.)

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. 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, 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 (2'x6') W/ CONTIN. INSULATION BHICK VENEER WALL CONSTRUCTION (2*Xe*) 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, 24* (600) O.C. VERT. BONDING AND FASTENING FOR
TIES 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
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 CONTIN. AIR BARRIER.
1/2* (12.7) GYPSUM WALLBOARD INTERIOR FINISH. PROVIDE WEEP HOLES @ 32* (800)
O.C. BOTTOM COLURSE AND OVER OPENINGS. PROVIDE BASE FLASHING ILP MIN. 6* 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)

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.) & 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.)

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 CONSTS WHEN NOWL JOAD PLAD WALLS WALLS IT OF ICODE DISTS ĴOISTŚ WHEN NON-LOADBEARING ŴALLS ARE PÁRALLEL TO FLOOR JOISTS.

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.) & 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 (2'x6") (4B) 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' 10.3.2 OVER MANUFAL POR DETAILS. (12.7) GYPSUM WALLBOARD INT. FINISH. (9.23.)

FOUNDATION WALL/FOOTINGS

POUNDATION WALL/POOTINGS
POUNED 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 16-1" (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 75kPa OR COMPACTED ENGINEERED FILL WITH MIN. BEARING CAPACITY OF 150kPa. 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.)]

	UNREINFORCED SOLID CONCRETE FOUNDATION WALLS (9.15.4.2.)						
	픒	ESS	MAX	MAX. HEIGHT FROM FIN. SLAB TO GRADE			
	STRENGTH	THICKNESS	UNSUPPORTED	Sl	JPPORTED AT TO)P	
١	S	革	AT TOP	≤2.5m	>2.5m & ≤2.75m	>2.75m & ≤3.0m	
	MPa	* 8 "	3'-11" (1.20m)	7'-0" (2.15m)	7'-0" (2.15m)	6'-10" (2.10m)	
١		10 ⁿ	4'-7" (1.40m)	7'-6" (2.30m)	8'-6" (2.60m)	8'-2" (2.50m)	
	15	12"	4-11" (1.50m)	7'-6" (2.30m)	8'-6" (2.60m)	9-3" (2.85m)	
	МРа	* 8 "	3'-11" (1.20m)	7'-6" (2.30m)	7'-6" (2.30m)	7-2" (2.20m)	
١	≅	10"	4-7 (1.40m)	7'-6" (2.30m)	8'-6" (2.60m)	9-3 (2.85m)	

* 9" MIN. THICK FOUNDATION WALL IS REQUIRED FOR MASONRY VENEER FINISHED EXTERIOR WALLS WITH CONTINUOUS INSULATION CONDITION. TO PROVIDE MIN, BEARING FOR SILL PLATES, BEAMS AND FLOOR JOIST AS PER 9.23.7.2., 9.23.8.1., & 9.23.9.1. OF THE O.B.C.

No. 12" 4'-11" (1.50m) 7'-6" (2.30m) 8'-6" (2.60m) 9'-3" (2.85m)

MINIMUM STRIP FOOTING SIZES (9.15.3.)				
NUMBER FLOORS SUPPORTED	SUPPORTING INT. LOAD BEARING MASONRY WALLS	SUPPORTING EXTERIOR	SUPPORT I NG 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 x 14" THICK	26' WIDE x 9" THICK	36" WIDE x 14" THICK	

BCIN

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 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 7/8" (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))

WEEPING TILE (9.14.3.)

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

BASEMENT SLAB OR SLAB ON GRADE (9.16.4.) (9.13.) 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. WHERE A BASEMENT SLAB IS WITHIN 24" (61) 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. ([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 OSB CONFIRMING TO 9.29.9. 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, 9.10.17.10)

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

	MAX. RISE	MIN. F	RISE MAX.RUN	MIN. RUN	ALL STA I F	RS
PRIVATE	7 7/8" (200)	5 ' (12	25) 14" (355)	10" (255)	MAX. NOSING	1" (25)
PUBLIC	7" (180)	5 ' (12	25) NO LIMIT	11" (280)	III VI. NOCING	. (=0)
	MIN. STAIR	WIDTH	TAPERED	TREADS		
PRIVATE	2-10 ' (860)		MIN. RUN	5 7/8" (150)		
FRIVALE			MIN. AVG. RUN	10" (255)		
PUBLIC	2'-11" (900)		MIN. RUN	5 7/8" (150)		
LOBEIC	211 (0	00,	MIN. AVG. RUN	11" (280)		

AVERAGE RUN OF TAPERED TREAD MEASURED AT A POINT 300mm ** 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 GARAGÉ - 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/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 INTERIOR GUARDS: 2'-11" (900) MIN.

INTERIOR 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: 3-6* (1070) MIN.
GUARDS FOR LANDINGS @ EXIT STAIRS: 3-6* (1070) MIN.
GUARDS FOR LOORS & 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. 5 1/2" (140) HIGH, AND GUARD

REQUIRED GUARDS BETWEEN WALKING SURFACE & ADJACENT SURFACE WITH A DIFFERENCE IN ELEVATION MORE THAN 23 5/8" (600) OR ADJACENT SURFACE WITHIN 3-11" (1200) & WALKING SURFACE W/A SLOPE MORE THAN 1 IN 12 SHALL BE PROTECTED WITH GUARDS PER CONSTRUCTION HEX NOTE 11.
HANDRAL HEIGHTS - O.B.C. 9.8.7. - REQUIRED AS PER 9.8.7.1.(3)
MIN. HEIGHT AT STAIRS, RAMPS AND LANDINGS: 2'-10" (865)
MAX. HEIGHT AT STAIRS, RAMPS AND LANDINGS: 3'-6" (1070)

SILL PLATES

2x4" (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 8º (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, EMBEDDD4 4" (100) MIN. INTO CONC. @ 7-10" (2390) O.C. 4" (100) HIGH CONC. CURB ON CONC. FOOTING. FOR SIZE REFER TO HEX NOTE 5. ADD HORIZ. 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"x5"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 FLR. LOAD PROVIDE 40"x40"x19" (1060x1060x480) CONC. FOOTING

NON-ADJUSTABLE STEEL BASEMENT COLUMN

3 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 HILL WITH MIN, BEARING CAPACITY OF 150kPa AS PER SOILS REPORT.

SUPPORTING 2 STOREY FLR. LOAD PROVIDE 42"x42"x18" (1070x1070x460) CONC. FOOTING SUPPORTING 3 STOREY FLR. LOAD PROVIDE 48"x48'x24" (1220x1220x610) CONC. FOOTING

NON-ADJUSTABLE STL. COLUMN AT FOUNDATION WALL

3 1/2" (90)Ø x 0.188" (4.78) NON-ADJUSTABLE STEEL COLUMN WITH 6'x6'x3/8" (152x152x9.5) STEEL TOP PLATE & 6'x4'x3/8" (152x100x9.5) BOTTOM PLATE. BASE PLATE 4-1/2"x10"x1/2" (120x250x12.7) WITH 2- 1/2"Ø x 12" LONG x 2" HOOK ANCHORS (2- 12.7Øx305x50). FIELD WELD COLUMN TO BASE PLATE & STEEL BM. STAMP

STEEL BEAM BEARING AT FOUNDATION WALL (9.23.8.1.) BEAM POCKET OR $8^{\text{tt}}\!x8^{\text{tt}}$ (200x200) POURED CONC. NIB WALLS, MIN. BEARING 3 1/2" (90). CONC. NIB WALLS TO HAVE EXTENDED FOOTINGS

WOOD STRAPPING AT STEEL BEAMS (9.23.4.3.(3.), 9.23.9.3.) 1"x3" (19x64) CONTIN. WOOD STRAPPING BOTH SIDES OF STEEL BEAM.

GARAGE SLAB (9.16, 9.35.) \langle 18angle

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

GARAGE TO HOUSE WALLS/CEILING (9.10.9.16.) 1/2" (12.7) GYPSUM BOARD ON WALL AND CEILING BETWEEN HOUSE 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

(19A) 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, CAN/ULC-S705.2)

GARAGE DOOR TO HOUSE (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 10" (255). FOR THE REQUIRED NUMBER OF STEPS REFER TO SITING AND GRADING DRAWINGS. EXTERIOR CONCRETE STARS 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.

DRYER EXHAUST

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

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) ([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

LINEN CLOSET

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

MECHANICAL VENTILATION (9.32.1.3.) \langle 26 \rangle

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)) 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.

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.)

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

STEP FOOTINGS (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 COMPACTED SUB-GRADE.

FURNACE VENTING (9.32.)

FIREPLACE VENTING (9.32.3.)

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.

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

FLOOR FRAMING (9.23.3.5., 9.23.9.4., 9.23.14.) T&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" (6.60m) OR LESS. WALL ASSEMBLY REQUIRES TO HAVE A FIRE RESISTANCE RATING OF NOT LESS THAN 45 MINUTES & CONFORMING TO 0.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 in (130cm 3) SHALL NOT BE CONSIDERED AN UNPROTECTED OPENING AS PER 91.0.146.

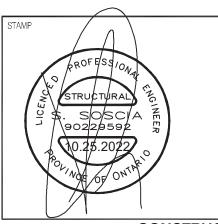
COLD CELLAR PORCH SLAB (9.39.)

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 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.

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" (38x140) RAFTERS @ 16" (406) O.C. 2'x4" (38x164) RIDGE BOARD. 2'x4" (38x89) COLLAR TIES AT MID-SPAN. CEILING JOISTS TO BE 2'x4" (38x89) @ 16" (406) O.C. FOR MAX. 9'x3" (2819) SPAN & 2'x6" (38x140) @ 16" (406) O.C. FOR MAX. SPAN 14'x7" (4450). RAFTERS FOR BUILT UP ROOF OVER PRE-ENGINEERED ROOF TRUSSES AND OR CONVENTIONAL FRAMING TO BE 2"x4" (38x89) @ 24" (610) O.C. UNLESS OTHERWISE SPECIFIED.



CONSTRUCTION NOTES 1 UNIT 3804

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 37308

REGISTRATION INFORMATION

DESIGN ASSOCIATES INC.

ROYAL PINE HOMES - 221070

FORESTSIDE ESTATES INC., BRAMPTON, ON. 3/16"=1'-0" 221070WS3804.dwg

REV.2022.10.19 21 of 22

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

(9.23.10.1., 9.23.11.)

WA	WALL ASSEMBLY		WIND LOADS				
EVTER	EXTERIOR	STUDS	<= 0.5	kPA (q50)	> 0.5 kPa (q50)		
EXIC	nun	21002	SPACING	MAX HEIGHT	SPACING	MAX HEIGHT	
BRIG	CK	2-2"x6" (2-38x140)	12" (305) O.C.	18-4" (5588)	8" (200) O.C.	18'-4" (5588)	
SIDII	NG	(2-38X140) SPR.#2	16" (406) O.C.	18-4" (5588)	12 ' (305) O.C.	18'-4" (5588)	
BRIG	CK	2-2"x8" (2-38x184)	12" (305) O.C.	21'-0" (6400)	12 ' (305) O.C.	21 '-0" (6400)	
SIDII	NG	SPR.#2	16" (406) O.C.	21'-0" (6400)	16" (406) O.C.	21'-0" (6400)	
** S	** 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"x8" (3-38x184) CONT. HEADER AT GROUND FLOOR CEILING LEVEL TOE-NAILED & GLUED AT TOP, BOTTOM PLATES & HEADERS.

40 1/01/40 7/00/09/BA 01/5/17/17/00 BLOCK) ([SB-3] WALL TYPE 'B6e' & 'B1b') 1/2" (12.7) GYPSUM SHEATHING ON EACH SIDE ON 2"x2" (38x38) VERTICAL WD. 1/2" (12.7) GYPSUM SHEATHING ON EACH SIDE ON 2*X2" (38X38) VEHTICAL 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.

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 CAVITY WITH AT LEAST 90% OF ABSORPTIVE MATERIAL PROCESSED FROM PROCK SIDE OF STUD LAND SAND ALL CAVITY OF THE CANADA SAND ROCK, SLAG OR GLASS, TAPE FILL AND SAND ALL GYPSUM JOINTS.

2 HR. FIREWALL ([SB-3] WALL TYPE 'B6e' & 'B1b') (40A) 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 EÁCH 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)

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.I.F.S. (MINIMUM) ON MANUPACTORIES SPECIFICATIONS OVER 1 172 (33) 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)

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.I.F.S. (MINIMUM) ON APPROVED DRAINAGE MAT ON APPROVED AIRWATER BARRIER AS PER O.B.C. 9.27.3. ON EXTERIOR TYPE RIGID INSULATION (JOINTS UNTAPED) MECHANICALL 9.27.3. ON EATERIOR THE HIGID INSUCATION (JOINTS UNITAPED) MECHANICALLY FASTENED AS PER MANUFACTURER'S 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)

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.

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. 1 $^{\rm I}$ (25) CONC. COVER - BARS TO EXTEND 2 $^{\rm L}$ (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)) (REFER TO DETAILS)

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 CLOTH WRAP AND FILLED WITH CRUSHED STONE. (9.9.10.1.(5), 9.14.6.3.)

SLOPED CEILING CONSTRUCTION ([SB-12] 3.1.1.8., 9.23.4.2.) 2"X12" (38:236) ROOF JOISTS @ 16" (406) O.C. MAX. (UNLESS OTHERWISE NOTED) W/ 2"X2" (38:X38) 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 EO. INSULATION VALUE DIRECTLY ABOVE THE INNER SURFACE OF EXTERIOR WALLS SHALL NOT BE LESS THAN R20 (3.52 RSI).

FLAT ROOF/BALCONY CONSTRUCTION WATERPROOFING MEMBRANE (9.26.11, 9.26.16) FULLY ADHERED TO 5/8" (15.9) T&G EXTERIOR GRADE PL'WOOD SHEATHING ON 2"X2" (38x38) PURLINS ANGLED TOWARDS SCUPPER @ 2% MINIMUM LAID PERPENDICULAR TO 2"x8" (38x184) FLOOR JOISTS @ 16" (406) O.C. (UNLESS OTHERWISE NOTED). BUILT UP CURB TO BE 4" (100) MIN. ABOVE FINISHED BALCONY FLOOR. CONTINUOUS "L" TRIM DRIP EDGE TO BE PROVIDED ON OUTSIDE FACE OF CURB. SCUPPER DRAIN TO BE LOCATED 24" (610) MIN. AWAY FROM HOUSE, PREFINISHED ALUMINUM OF PANEL FOR UNDERSIDE OF SOFFIT (9.23.2.3). REMOVE CURB WHERE REQ.

BALCONY CONDITION 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

BARREL VAULT CONSTRUCTION

THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE QUALIFICATIONS AND MIETS THE REQUIREMENTS SET OUT IN THE ONTATIO BUILDING GODE TO BE A DESIGNER. QUALIFICATION INFORMATION DEFEN R, Santos

SIGNATURE

Derek R. Santos

REGISTRATION INFORMATION

CANTILEVERED 2"X4" (38X89) SPACERS LAID FLAT ON 2"X10" (38X235) SPR. #2 ROOF JOIST NAILED TO BUILT-UP 3-3/4" (19) PLYWOOD HEADER PROFILED FOR BARREL, SPRAY FOAM INSULATION BETWEEN JOISTS W/ GYPSUM BOARD. INTERIOR FIN. (REFER TO DETAILS)

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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	SIZE & SPACING OF STUDS: (OBC REFERENCE - TABLE 9.23.10.1.)				
MIN.		SUPPORTED LO.	ADS (EXTERIOR)		
STUD SIZE.	ROOF w/ OR w/o ATT I C	ROOF w/ OR w/o ATTIC & 1 FLOOR	ROOF w/ OR w/o ATTIC & 2 FLOOR	ROOF w/ OR w/o ATTIC & 3 FLOOR	
in (mm)	MAX. STUD SPACING, in (mm) O.C.				
()	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 1) EXCEPT WHERE A DOOR ON THE SAME FLOOR LEVEL AS THE BEDIFOOM PHOVIDES 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 11-3" (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* (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

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

ROOM OR SPACE	M INI MUM 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 OR 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 (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 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 8-6" (2600) A.F.F.

2.7. ROOF OVERHANGS1) ALL ROOF OVERHANGS SHALL BE 1-0" (305). UNLESS NOTED OTHERWISE.

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

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 INDIMIDUAL 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. TABLES AS 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)

1 '0	IMINOT ALL OF SCHICKSE	5.25.	4.2.(3), 3.23.4.2.(4), 3.23.12.0	۰.(۱),ر٥), 9.23.13.0.(z), 9.37.3.1.(1)	L
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)	1
B1	3/2"x8" (3/38x184)	ВЗ	3/2"x10" (3/38x235)	B5	3/2"x12" (3/38x286)	1
B2	4/2"x8" (4/38x184)	В4	4/2"x10" (4/38x235)	B6	4/2"x12" (4/38x286)	l
В7	5/2"x8" (5/38x184)	B8	5/2 * x10 * (5/38x235)	В9	5/2"x12" (5/38x286)	l
	E	NGIN	EERED LUMBER SCHEDU	LE		l
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"	1
LVL4	2-1 3/4"x9 1/2"	LVL6	2-1 3/4"x11 7/8"	LVL11	2-1 3/4"x14"	1
LVL5	3-1 3/4"x9 1/2"	LVL7	3-1 3/4"x11 7/8"	LVL12	3-1 3/4"x14"	
LVI 8	4-1 3/4*y9 1/2*	I VI Q	4-1 3/4 11 7/8	LVI 13	A_1 3//■v1/II	1

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 1/4" (89 x 89 x 6.4)	8'-1" (2.47m)	7 '-6" (2.30m)
L8	4" x 3 1/2" x 1/4" (102 x 89 x 6.4)	8'-9" (2.66m)	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" (3.48m)	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 EXTERIOR 2'-8" x 6'-8" x 1-3/4" (815 x 2030 x 45) INSULATED MIN. R4 (RSI 0.7) 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" (915 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) 1D 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) 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'-8" x 6'-8' x 1-3/4" (815 x 2030 x 45) 20 MIN. F.R.R. DOOR/FRAME 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) PROVIDE 8'-0" HIGH 3A INTERIOR | 2'-4" x 6'-8" x 1-3/8" (710 x 2030 x 35) INTERIOR DOORS FOR ALL 10' CEILING 4 INTERIOR 2'-0" x 6'-8" x 1-3/8" (610 x 2030 x 35) CONDITIONS 4A INTERIOR 2'-2" x 6'-8" x 1-3/8" (660 x 2030 x 35) 5 INTERIOR 11-6" x 6'-8" x 1-3/8" (460 x 2030 x 35) 3.4. ACRONYMS

AFF | ABOVE FINISHED FLOOR JST | JOIS1 BEAM BY FLOOR MANUFACTURER LIN LINEN CLOSE BG | FIXED GLASS W/ BLACK BACKING LAMINATED VENEER LUMBER BM BEAM OTB/A OPEN TO BELOW/ABOVE POINT LOAD BBRM BEAM BY ROOF MANUFACTURER CRF CONVENTIONAL ROOF FRAMING PLT PLATE C/W | COMPLETE WITH PRESSURE TREATED PT 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 T/O FL FLUSH TOP OF FLR FLOOR TYP TYPICAL GIRDER TRUSS GΤ U/S **UNDERSIDE** HB HOSE BIE WD WOOD HRV HEAT 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.) 0 æ¢. ♦ HEAVY DUTY OUTLET SWITCH (2/3/4 WAY) LIGHT FIXTURE (CFILING MOUNTED) POT LIGHT Z4C LIGHT FIXTURE (PULL CHAIN) LIGHT FIXTURE (WALL MOUNTED) C_{∞} CABLE T.V. JACK TELEPHONE JACK CENTRAL VACUUM OUTLET CHANDELIER (CEILING MOUNTED)

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 ROOM 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 COMPANIENT AS PER THE INATIONAL FIDE ALARM SIGNAL BRIVALING 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/CGA-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.

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 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 CONFORM TO TABLES A-34 TO A-37. (9.17.4., 9.23.10.7.)

TWO STOREY VOLUME SPACE. SEE CONSTRUCTION NOTE 39.

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

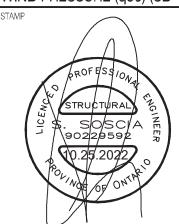
EXPOSED BUILDING FACE - O.B.C. 9.10.14, OR 9.10.15.
REFER TO HEX NOTE 35. & DETAILS FOR TYPE AND SPECIFICATIONS.

2 HR. FIREWALL REFER TO HEX NOTE 40A. 1 HR. PARTY WALL REFER TO HEX NOTE 40.

SECTION 4.0. CLIMATIC DATA

DESIGN SNOW LOAD (9.4.2.2.): WIND PRESSURE (q50) (SB-1.2.):

1.06 **kPa** 0.48 **kPa**



CONTRACTOR MUST VERIFY ALL DIMENSIONS ON THE JOB. REPORT ANY DISCREPANCIES TO HUNT DESIGN ASSOCIATES INC. (H.D.A.L) BEFORE PROCEEDING WITH THE WORK. ALL THE DRAWINGS & SPECIFICATIONS ARE THE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF H.D.A.L. 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 NOTE REVISION DATE: JUNE 09, 2022

CONSTRUCTION NOTES 2

DESIGN ASSOCIATES INC

ROYAL PINE HOMES - 221070 FORESTSIDE ESTATES INC., BRAMPTON, ON.

REV.2022.10.19

22 of 22

3/16"=1'-0" W/T DS 221070WS3804.dwg 8966 Woodbine Ave, Markham, ON L3R 0J7 T 905.737.5133 F 905.737.7326