



# 'UNIT - 2501'

# SB-12 ENERGY EFFICIENCY DESIGN MATRIX

	SPACE HE	ATING FUEL	
PERFORMANCE COMPLIANCE	■ GAS	□ OIL	
I FUI OUINAINOE COINI FIAINOE	□ ELECTRIC	☐ PROPANE	
	□ EARTH	□ SOLID FUEL	
BUILDING COMPONENT	PRO	POSED	
INSULATION RSI (R) VALUE			
CEILING W/ ATTIC SPACE	10.5	6 (R60)	
CEILING W/O ATTIC SPACE	5.46	6 (R31)	
EXPOSED FLOOR	5.46	S (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 $\leq$ 600mm BELOW GRADE	1.76 (R10)		
HEATED SLAB $\leq$ 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%)	Combo 95% A	FUE GLOW C14	
HRV EFFICIENCY (%)	7	'5%	
DOMESTIC HOT WATER HEATER (EF)	`	).84	
DWHR UNIT (%)	53.3% ON 1 S	SHOWERS MIN.	

AREA CALCULATIONS EL. 'A1'(REV) EL. 'B1'(REV)

& EL. 'A2' & EL. 'B2' GROUND FLOOR AREA 858 sq. ft. 855 sq. ft. (79.71 sq. m.) (79.43 sq. m.) SECOND FLOOR AREA 1047 sq. ft. 1021 sq. ft. (97.27 sq. m.) (94.85 sq. m.) 1905 sq. ft. 1876 sq. ft. SUBTOTAL (176.98 sq. m.) (174.29 sq. m.) DEDUCT ALL OPEN AREAS 0 sq. ft. 0 sq. ft. (0.00 sq. m.) (0.00 sq. m.) TOTAL NET AREA 1905 sq. ft. 1876 sq. ft. (176.98 sq. m.) (174.29 sq. m.) FINISHED BASEMENT AREA 0 sq. ft. 0 sq. ft. (0.00 sq. m.) (0.00 sq. m.) 1074 sq. ft. 1071 sq. ft. COVERAGE W/OUT PORCH (99.78 sq. m.) (99.50 sq. m.) 1125 sq. ft. 1117 sq. ft. COVERAGE W/ PORCH

1 - TITLE PAGE

2 - BASEMENT PLANS, ELEV. 'A1' (REV.) & 'A2'

3 - GROUND FLOOR PLANS, ELEV. 'A1' (REV.) & 'A2'

4 - SECOND FLOOR PLANS, ELEV. 'A1' (REV.) & 'A2' 5 - PARTIAL SECOND FLOOR PLAN, ELEV 'B1' (REV.) & 'B2'

6 - PARTIAL BASEMENT/GROUND FLOOR PLANS, ELEV 'B1' (REV.) & 'B2'

7 - FRONT & REAR ELEVATION 'A1' & 'B1' (REV.) & 'A2' & 'B2'

8 - LEFT SIDE ELEV. 'A1' (REV) & RIGHT SIDE ELEV. 'A2'

9 - FRONT ELEVATION 'B1' (REV.), 'B2' / CROSS SECTION 'A-A'

10 - LEFT SIDE ELEV. 'B1' (REV) & RIGHT SIDE ELEV. 'B2'

11 - WALK-OUT DECK CONDITION

12 - CONSTRUCTION NOTES





FOR STRUCTURAL ONLY NOT INCLUDING ENGINEERED

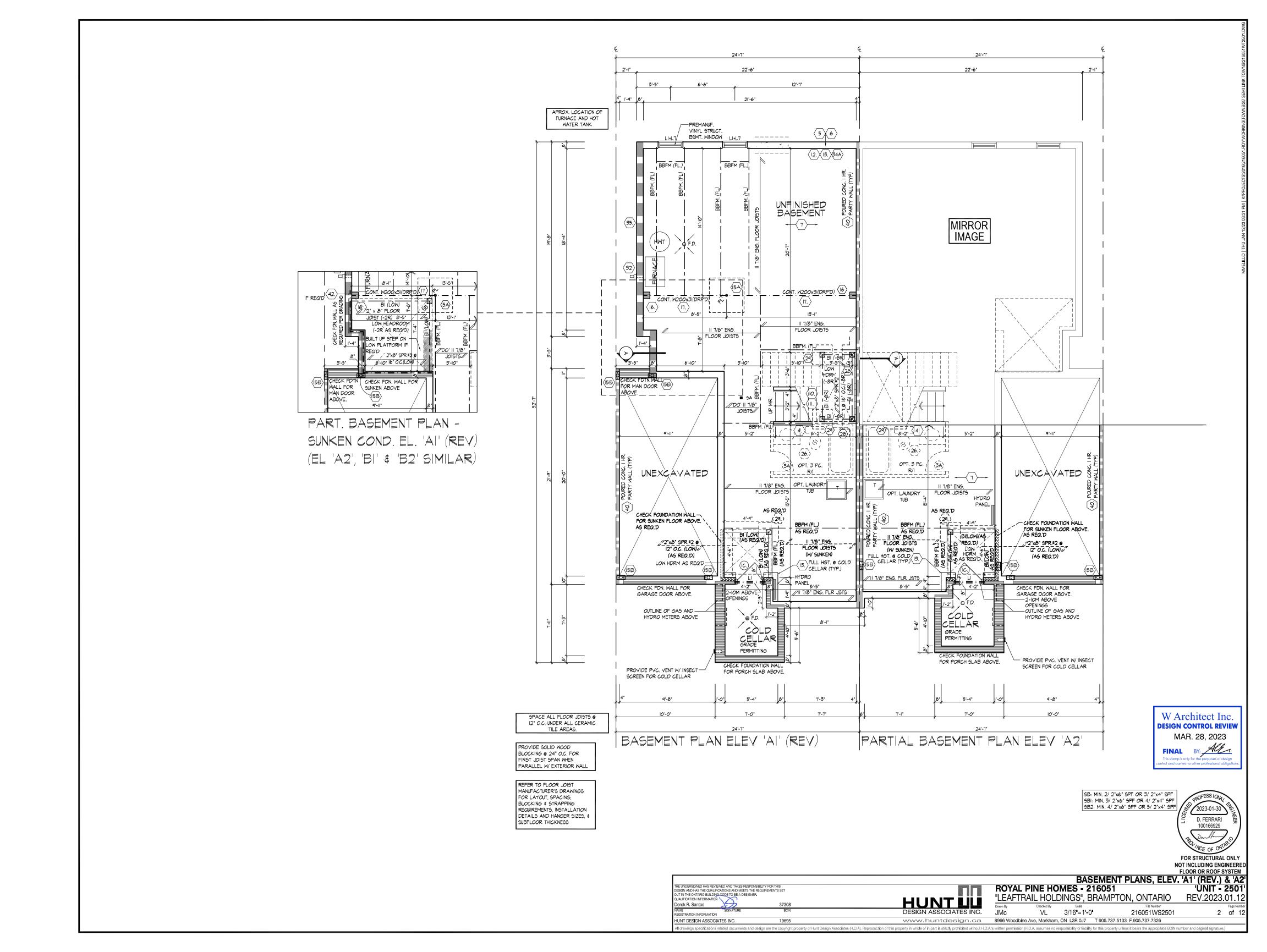


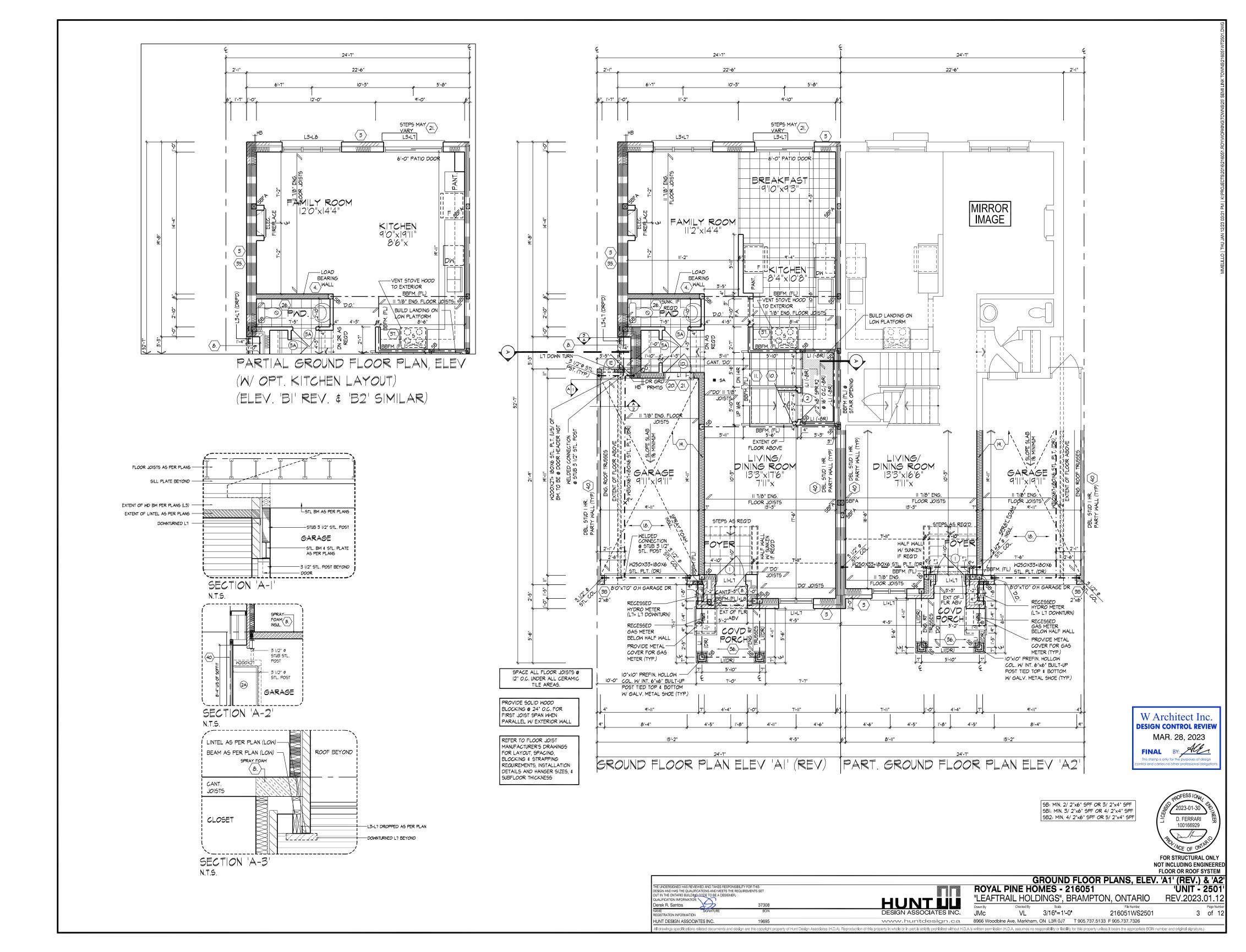
(104.52 sq. m.) (103.77 sq. m.)

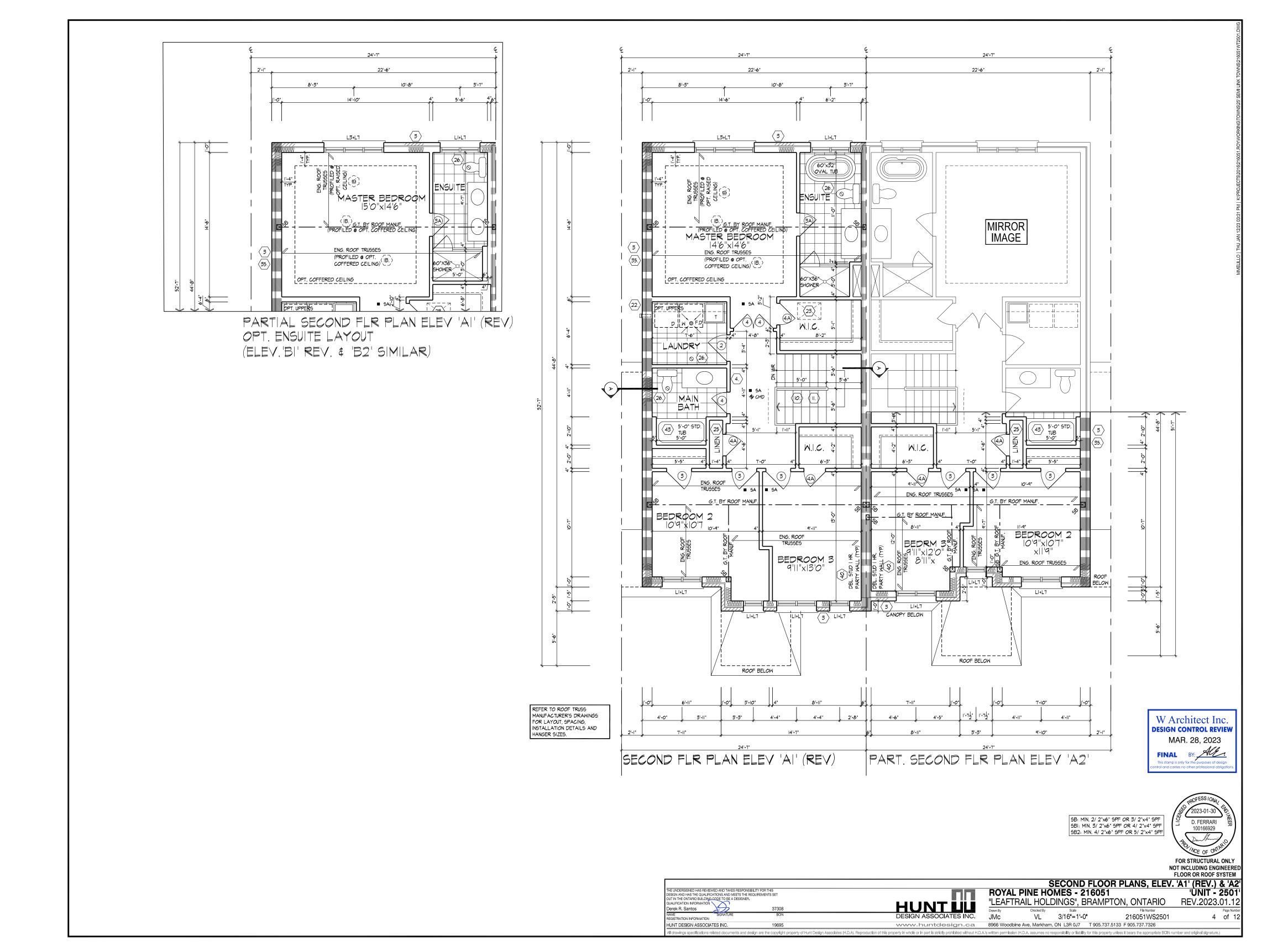


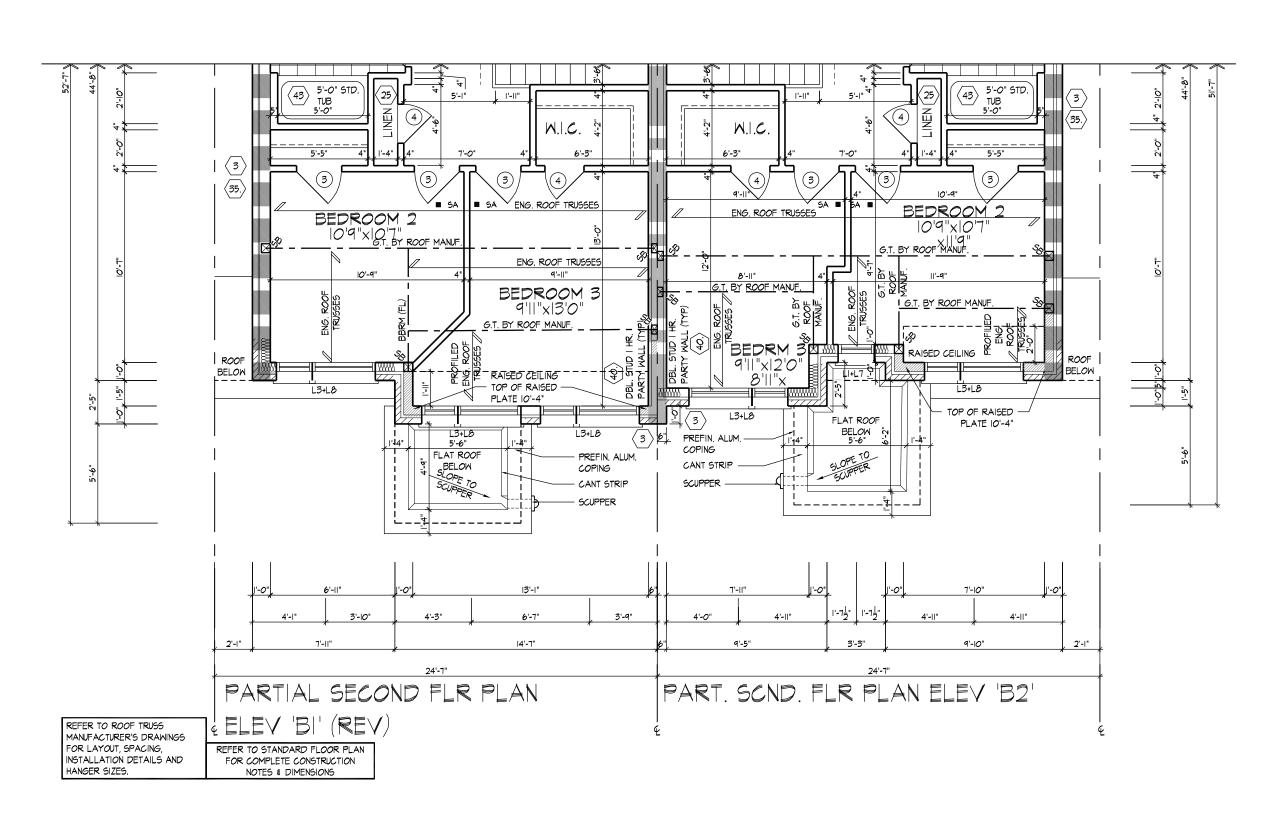
FLOOR OR ROOF					
7. ISSUED FOR PERMIT	-	-			
6. ISSUED FOR FINAL APPROVAL	2023/01/12	MM			
5. REVISED AS PER ARCHITECTURAL CONTROL COMMENTS	-	-			
4. REVISED AS PER ENGINEER COMMENTS	2023/01/05	MM			
3. REVISED AS PER ROOF TRUSS MANUFACTURE PLANS	2022/06/14	MM			
2. REVISED AS PER FLOOR MANUFACTURE PLANS	2022/06/13	MM			
1. REVISED AS PER CLIENT'S COMMENTS	2021/09/29	DSI			
REVISIONS	DATE (YYYY/MM/DD)	BY			

						TITLE	<b>PAGE</b>
THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQUIREMENTS SET		ROYAL	. PINE HC	MES - 21	6051	'UNIT -	2501
OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNER.  QUALIFICATION INFORMATION	HUNT	"LEAFT	RAIL HOLI	DINGS", BF	RAMPTON, ONTARIO	REV.2023	3.01.12
Derek R. Santos 37308 NAME SIGNATURE BOIN		Drawn By	Checked By	Scale	File Number		Page Number
REGISTRATION INFORMATION	DESIGN ASSOCIATES INC.	JMc	VL	3/16"=1'-0"	216051WS2501	1	of 12
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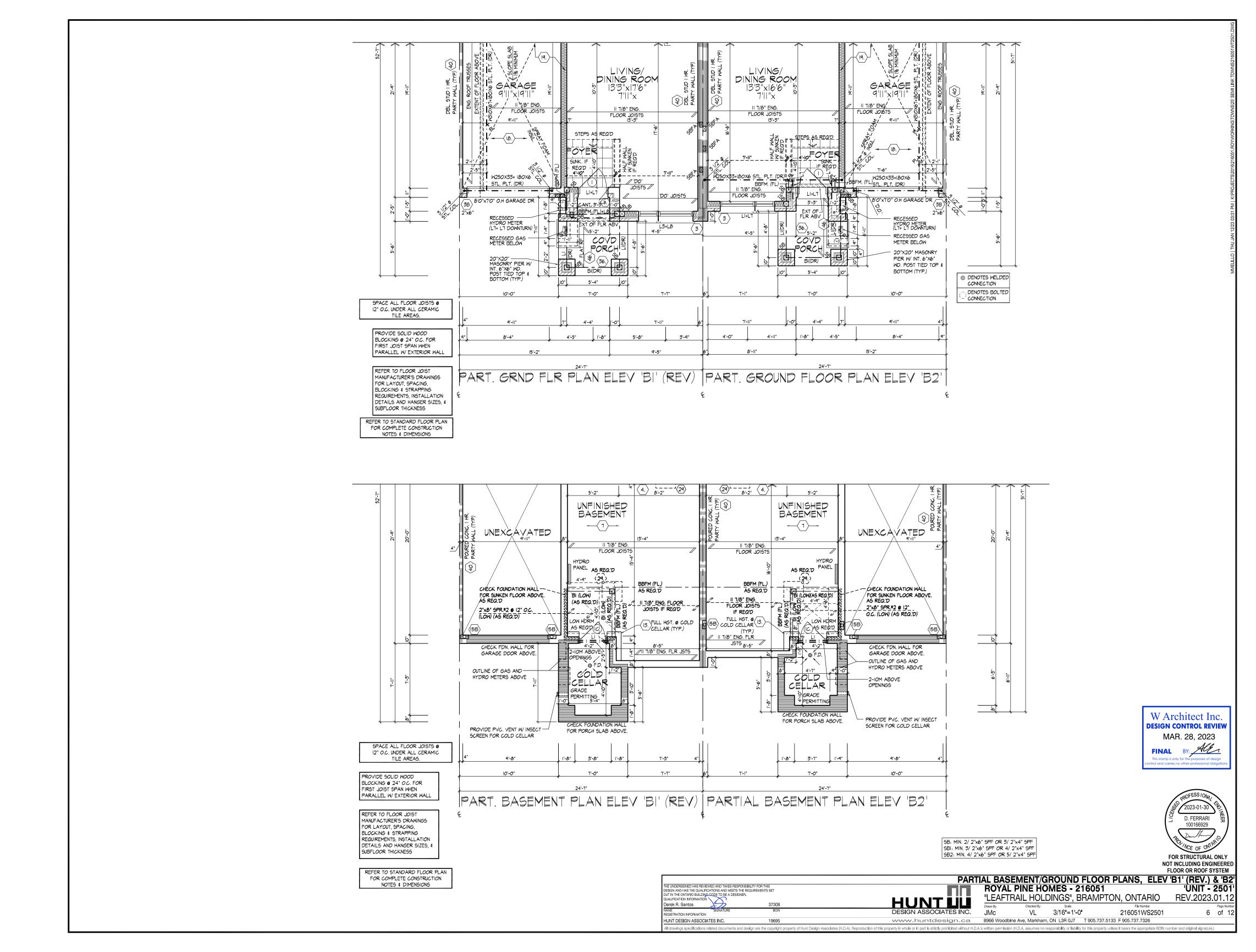


SB: MIN. 2/ 2"x6" SPF OR 3/ 2"x4" SPF SBI: MIN. 3/ 2"x6" SPF OR 4/ 2"x4" SPF SB2: MIN. 4/ 2"x6" SPF OR 5/ 2"x4" SPF

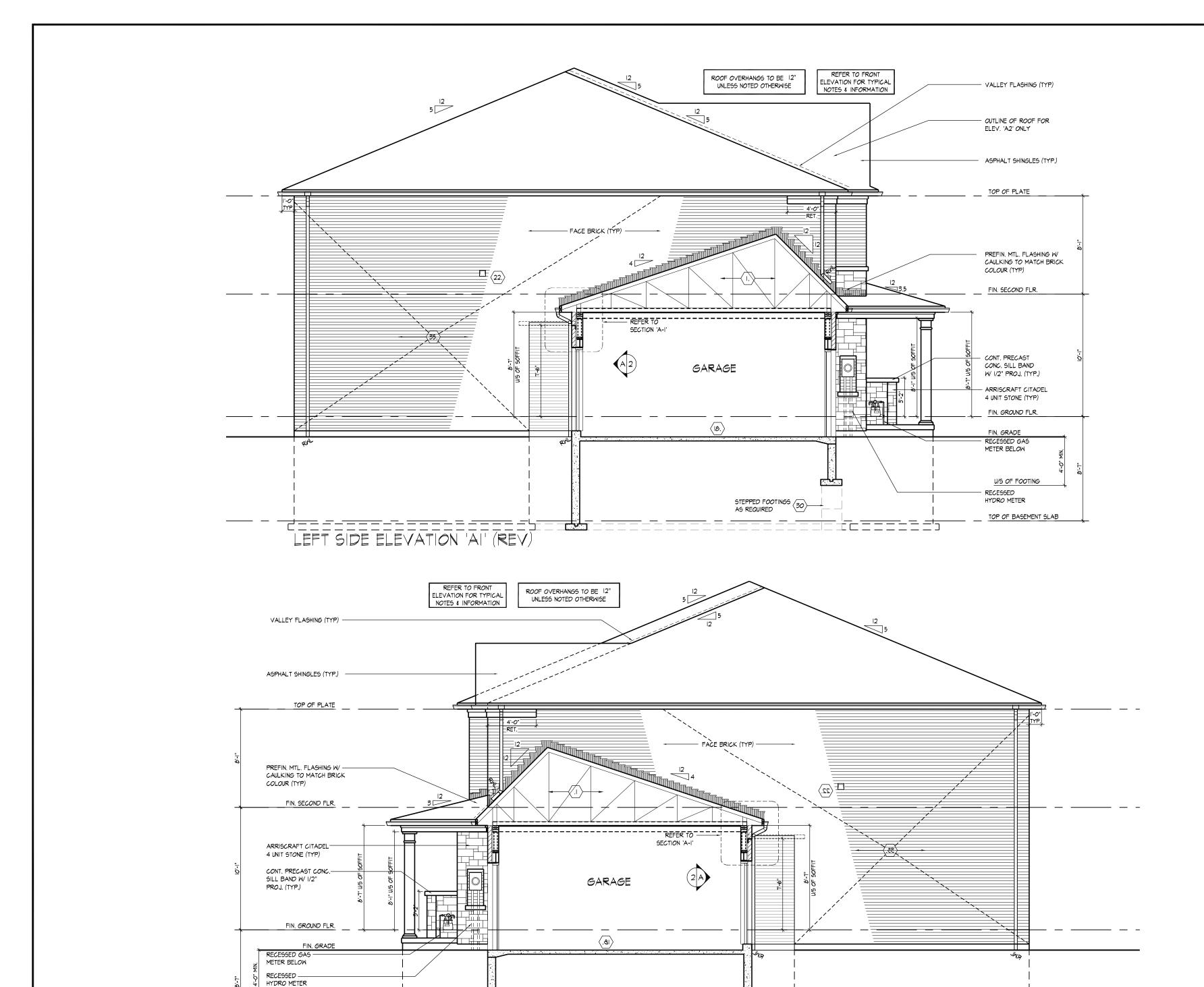




				PARTIAL	SECONE	FLOOR PLAN,	ELEV '	B1' (REV.)	) & 'B2	2'
THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIB DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE RE		ПП	ROYAL	- PINE HO	MES - 2	16051		'ÙNIT	<b>- 250</b>	1
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Derek R. Santos	37308		Drawn By	Checked By	Scale	File Nun	nber		Page Num	nber
NAME SIGNATURE REGISTRATION INFORMATION	BCIN	DESIGN ASSOCIATES INC.	JMc	VL	3/16"=1'-0"	216051W	/S2501	į	5 of 1	2
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30 STEPPED FOOTINGS AS REQUIRED

U/S OF FOOTING

TOP OF BASEMENT SLAB

W Architect Inc. **DESIGN CONTROL REVIEW** MAR. 28, 2023 FINAL BY: All



8 of 12

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FLOOR OR ROOF SYSTEM

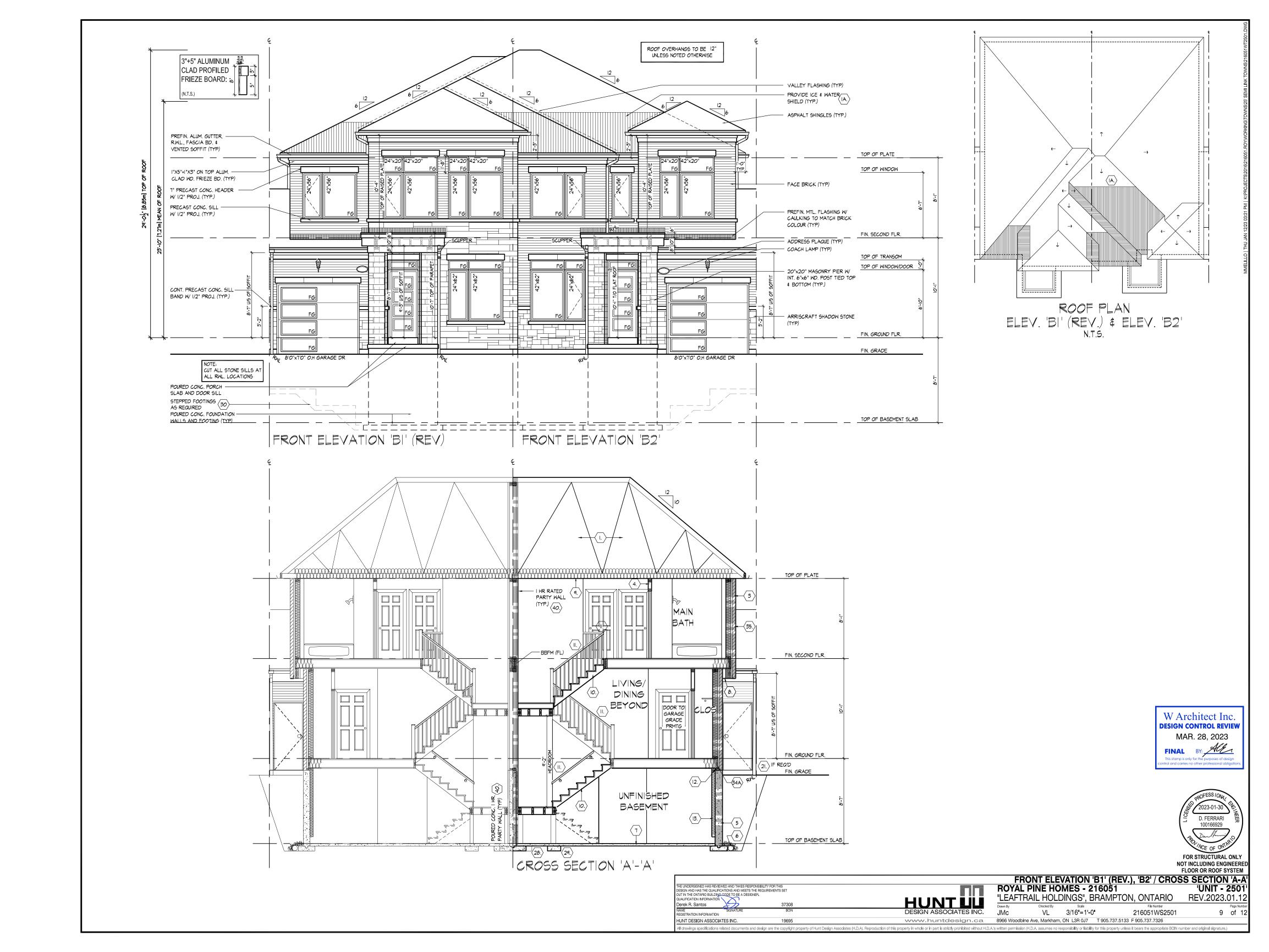
LEFT SIDE ELEV. 'A1' (REV) & RIGHT SIDE ELEV. 'A2'

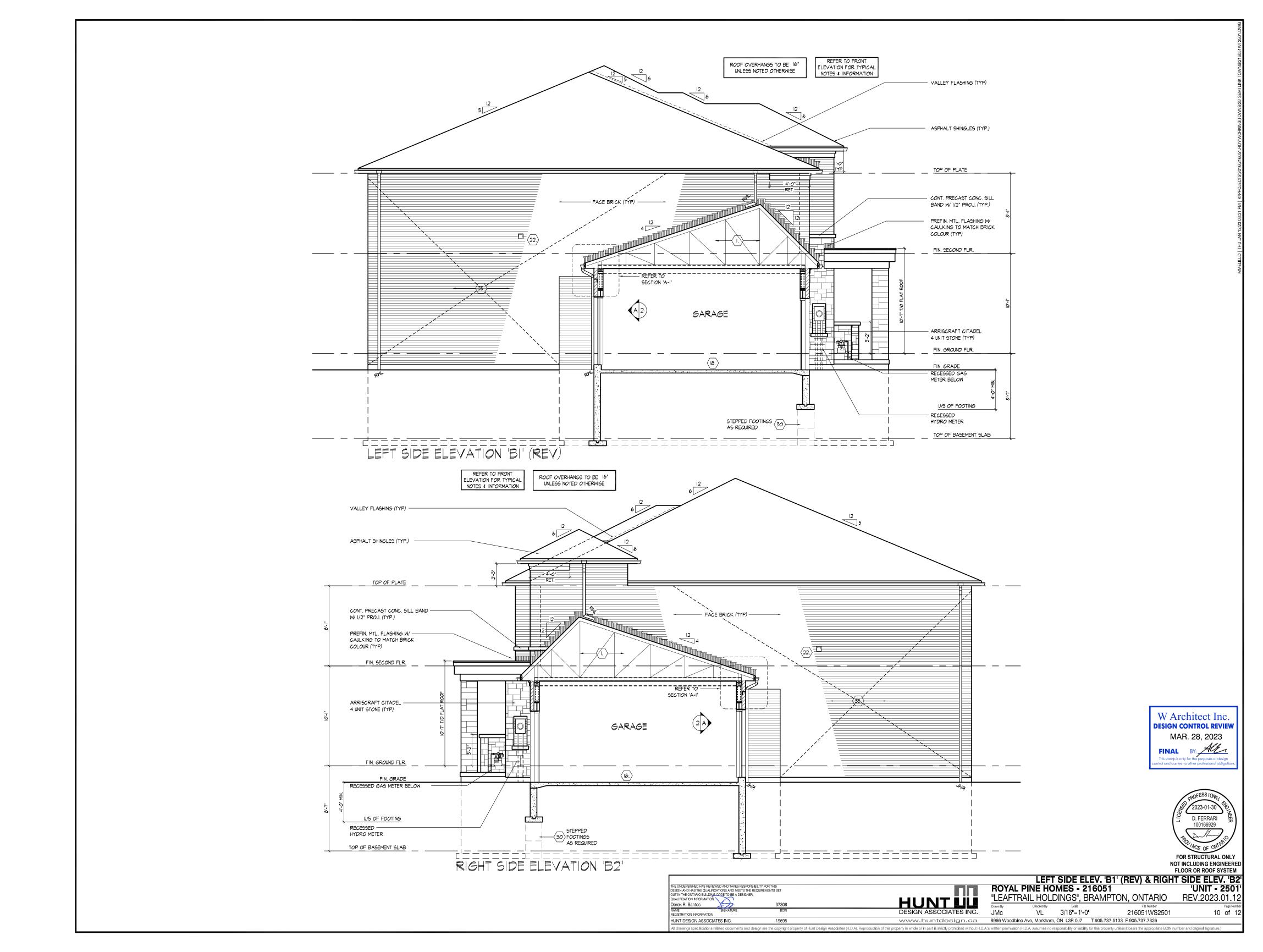
ROYAL PINE HOMES - 216051 'UNIT - 2501'

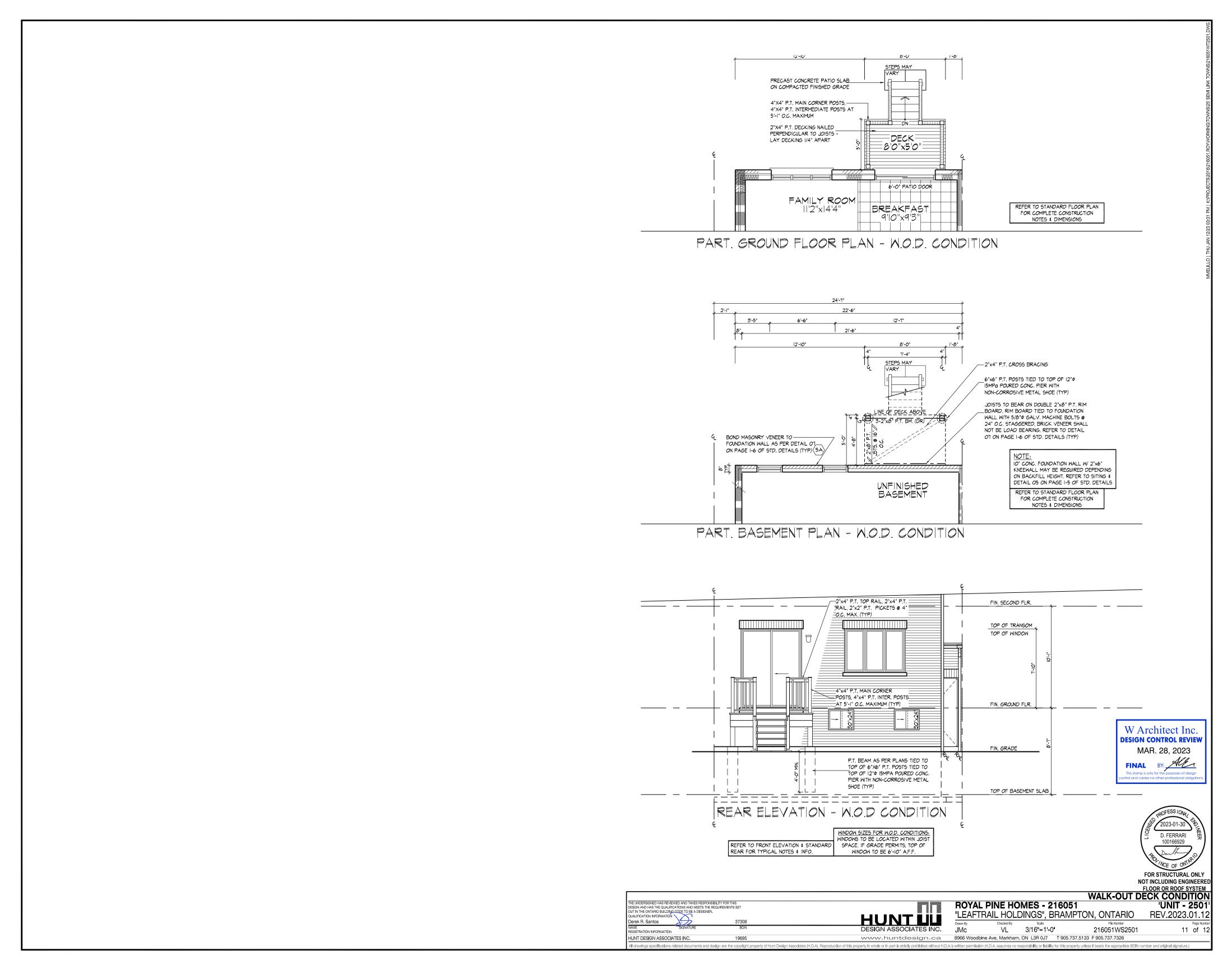
"LEAFTRAIL HOLDINGS", BRAMPTON, ONTARIO REV.2023.01.12 THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS Derek R. Santos

176 Sentos August 1975 Sentos 1 HUNTUU Derek R. Santos Checked By Scale
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#### EAVESTROUGH AND DOWN RWL. 1A) ICE AND WATER SHIELD

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

O HAVE 5" MIN. EAVESTROUGH WITH ELEC. TRACED HEATER CABLE ALONG

#### 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 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 POLYETHYLENE AIR/VAPOUR BARRIER, ON 1/2" (12.7) GYPSUM WALLBOARD INT. FIN. (GYPSUM SHEATHING, RIGID INSULATION, AND FIBERBOARD SHALL NOT BE USED FOR THE ATTACHMENT OF SIDING (9.23.16.3.(1.)) (REFER TO 35 NOTE AS REQ.)

SIDING WALL CONSTRUCTION (2'x6') W/ CONTIN. INSULATION SIDING MATERIAL AS PER ELEVATION ATTACHED TO FURRING MEMBERS ON APPROVED AIRWATER BARRIER AS PER O.B.C. 9.27.3. ON EXTERIOR TYPE RIGID INSULATION (JOINTS UNTAPED) MECHANICALLY FASTENED AS PER NUFACTURER'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. FINISH OR APPROVED EQ. (CAN/ULC-5/C ALL STAIRS/EXTERIOR STAIRS (9.8.1.2., 9.8.2., 9.8.4.)

INT. FIN. (GYPSUM SHEATHING, RIGID INSULATION, AND FIBERBOARD SHALL NOT BE MAX. RISE MIN. RISE MAX. RUN MIN. RUN ALL STAIRS/EXTERIOR STAIRS (9.8.1.2., 9.8.2.) USED FOR THE ATTACHMENT OF SIDING (9.23.16.3.(1.)) (REFER TO 35 NOTE AS REQ.)

# 2B SIDING WALL @ GARAGE CONSTRUCTION

SIDING MATERIAL AS PER ELEVATION ATTACHED TO FRAMING MEMBERS FURRING MEMBERS OR BLOCKING BETWEEN THE FRAMING MEMBERS ON APPROVED SHEATHING PAPER ON 3/8" (9.5) EXTERIOR TYPE SHEATHING ON STUDS CONFORMING TO O.B.C. (9.23.10.1.) & 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'x6')

1/2" (90) BRICK VENEER 1" (25) AIR SPACE, 7/8"x7"x0.03" (22x180x0.76) GALV. METAL TIES 2 16" (400) O.C. HORIZ. 24" (600) O.C. VERT. BONDING AND FASTENING FOR TIES TO ONFORM WITH 9.20.9. ON APPROVED SHEATHING PAPER, 3/8" (9.5) EXTERIOR TYPE HEATHING, 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 AND DITTIPOLITY INTERIOR APPONDE DATA PROVIDE CONTIN. AIN BARRIER. (12.7) GYPONDE WEEP HOLES @ 32' (800) 0.5. 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)

## (3A) BRICK VENEER WALL CONSTRUCTION (2°x6") W/ CONTIN. INSULATION " (90) BRICK VENEER 1" (25) AIR SPACE, 7/8"x7"x0.03" (22x180x0.76) GALV. MET. @ 16" (400) O.C. HORIZ. 24" (600) O.C. VERT. BONDING AND FASTENING FOR TIES TO CONFORM WITH 9.20.9. ON APPROVED AIRWATER BARRIER AS PER O.B.C. 9.27.3. ON EXTERIOR TYPE RIGID INSULATION (JOINTS UNTAPED) MECHANICALLY

FASTENED AS PER MANUFACTURER'S SPECIFICATIONS, ON 3/8" (9.5) 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. PROWIDE WEEP HOLES @ 32" (800) O.C. BOTTOM COURSE AND OVER OPENINGS. PROVIDE BASE FLASHING UP MIN. 6" (150) OVER RIGID INSULATION (9.20.13.6.) (REFER TO 35 NOTE AS REQUIRED)

# 3B) BRICK VENEER WALL @ GARAGE CONSTRUCTION

3 1/2" (90) BRICK VENEER, MIN. 1" (25) AIR SPACE, 7/8"x7"x0.03" (22x180x0.76) GALV. METAL TIES @ 16" (400) O.C. HORIZ. 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 SE FLASHING ÚP 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 TOREY AND 12" (305) O.C. FOR 3 STOREY, NON-BEARING PARTITIONS 2":4" (38x89) 2 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 PLATE. 1/2" (12.7) INT. DRYWALL BOTH SIDES OF STODS, 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.

# (4A) EXT. LOFT WALL CONSTRUCTION (2"x6") - NO CLADDING

3/8" (9.5) EXTERIOR TYPE SHEATHING, STUDS CONFORMING TO O.B.C (9.23.10.1.) & 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") NO CLADDING W/ CONTINUOUS INSULATION

APPROVED AIR/WATER BARRIER AS PER O.B.C. 9.27.3. ON EXTERIOR TYPE RIGID INSULATION (JOINTS UNTAPED) MECHANICALLY FASTENED AS PER ANUFACTURER'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 nil POLYETHYLENE VAPOUR BARRIER WITH APPROVED CONT. AIR BARRIER. 1/2 12.7) GYPSUM WALLBOARD INT. FINISH. (9.23.)

# FOUNDATION WALL/FOOTINGS

DURED 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 150kPa, IE 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.)]									
Γ	UNREINFORCED SOLID CONCRETE FOUNDATION WALLS (9.15.4.2.)									
Γ	迁	SS	MAX	. HEIGHT FROM	FIN. SLAB TO GR	ADE				
-	STRENGTH	HICKNESS	UNSUPPORTED	SI	JPPORTED AT TO	)P				
-	ST	崖	AT TOP	≤2.5m	>2.5m & ≤2.75m	>2.75m & ≤3.0m				
Г		<b>+</b> 0=	2! 11!! /1 20m\	7'-0" (2.15m)	7'-0" (2.15m)	6'-10" (2 10m)				

	g	× 8"	3-11 (1.2011)	7-0 (2.13111)	7-0 (2.13111)	0-10 (2.10111)				
	15 MPa	10"	4'-7" (1.40m)	7'-6" (2.30m)	8'-6" (2.60m)	8'-2" (2.50m)				
		12"	4'-11" (1.50m)	7'-6" (2.30m)	8'-6" (2.60m)	9'-3" (2.85m)				
	МРа	<b>*</b> 8"	3'-11" (1.20m)	7'-6" (2.30m)	7'-6" (2.30m)	7'-2" (2.20m)				
		10"	4'-7" (1.40m)	7'-6" (2.30m)	8'-6" (2.60m)	9'-3" (2.85m)				
	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									

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.

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 x 14" THICK	26" WIDE x 9" THICK	36" WIDE x 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 MASON PERMIT THE INSTALL ATION OF MASONRY EXTERIOR FACING. THE REDUCE! 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 ଉ 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))

# (5B) FOUNDATION REDUCTION IN THICKNESS FOR JOISTS WHERE THE TOP OF THE FOUNDATION WALL IS REDUCED IN THICKNESS TO PERMIT THE INSTALLATION OF FLOOR JOISTS, THE REDUCED SECTION SHALL BE NOT MORE THAN 13 3/4" (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" (610) OF THE EXTERIOR GRADE PROVIDE RIGID INSUL. AROUND THE PERIMETER EXTENDING MIN. 24" (610) BELOW GRADE. FOR SLAB ON GRADE CONDITIONS RIGID INSULATION SHALL BE APPLIED TO THE UNDERSIDE OF THE ENTIRE SLAB. ([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)

	MAX. RISE	MIN. F	RISE MAX. RUN	MIN. RUN	ALL STAIF	₹S	
PRIVATE	7 7/8" (200)	5' (12	25) 14" (355)	10" (255)	MAX. NOSING	1" (25)	
PUBLIC	7" (180)	0) 5' (125) NO LIMIT 11		11" (280)	W/W. NOONG	. (20)	
	MIN. STAIR	WIDTH	TAPERED 1	READS			
PRIVATE	2'-10' (8	60)	MIN. RUN	5 7/8" (150)			
PRIVATE	2-10 (0	MIN. AVG. RUN		10" (255)			
PUBLIC	2'-11' (9	00)	MIN. RUN	5 7/8" (150)			
1 ODLIC	2-11 (900)		MIN. AVG. RUN	11' (280)			

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

# **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

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'-6" (1070) MIN.

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

BETWEEN WALKING SURFACE & ADJACENT SURFACE WITH A DIFFERENCE IN ELEVATION MORE THAN 23 5/8" (600) OR ADJACENT SURFACE WITHIN 3'-11" (120 & WALKING SURFACE W./ A SLOPE MORE THAN 1 IN 12 SHALL BE PROTECTED WALKING SUFFACE WALLING
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, RAMPS AND LANDINGS: 2'-10" (865)
MAX. HEIGHT AT STAIRS, RAMPS AND LANDINGS: 3'-6" (1070)

# (12) 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 REFER TO HÈX NÓTE 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" (152x)5.5) STEEL PLATE TOP & BOTTOM. FIELD WELD BASEMENT COLUMN CONNECTION. POURED CONCRETE FOOTING ON NATURAL UNDISTURBED SOIL OF 75kPa OR COMPACTED ENGINEERED FILL WITH MIN.

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 FILL 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"x8" (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.) "x3" (19x64) CONTIN. WOOD STRAPPING BOTH SIDES OF STEEL BEAM.
- (9.16., 9.35.) 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.) " (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 PSUM BOARD ON CEILING AND ON WALLS INSTA EXTÈRIOR TYPE RIGID INSULATION (JOINTS UNTAPED) MECHANICALL)

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)

## 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 STAIRS WITH MORE THAN 2 RISERS AND 2 TREADS SHALL BE PROVIDED W 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 (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))

### 24) 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.)
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

**FURNACE 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.

FIREPLACE VENTING (9.32.3.) DIRECT VENT GAS FIREPLACE VENT TO BE A MIN. 12" (305) FROM ANY OPENING AND ABOVE FIN. GRADE. REFER TO GAS 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 CANJULC-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 0.15 KG MC TO THE CONFORMING TO THAN 0.15 KG MC TO THE CONFORMING TO A SERIOR OF THE CONFORMING TO THE CONFORMING THE CONFORMING TO THE CONFORMING TO THE CONFORMING THE CONFORMING TO THE CONFORMING THE CONFOR <sup>2</sup> (130cm<sup>2</sup>) 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 LOWER AVED IN CORPORATE OF AMERICA (2012) AND DIVISTOR OF SECOND LAYER OF BARS AND DIVISTOR OF SECOND LAYER OF SEC LAYER IN OPPOSITE DIR. 24"x24" (610x610) 10M DOWELS @ 23 5/8" (600) O.C ANCHORED IN PERIMETER FND. WALLS. ŚLOPE SLAB 1.0% FROM DOOR

## RANGE HOODS AND RANGE-TOP FANS

COOKING APPLIANCE EXHAUST FANS VENTED TO EXTERIOR MUST

CONVENTIONAL ROOF FRAMING (9.23.13., 9.23.15.) 2"x6" (38x140) RAFTERS @ 16" (406) O.C., 2"x8" (38x184) RIDGE BOARD 2 X0 (30X140) FART TERS AT MID-SPAN, CEILING JOISTS TO BE 2\*X4" (38X89) COLLAR TIES AT MID-SPAN, CEILING JOISTS TO BE 2\*X4" (38X89) @ 16" (406) O.C. FOR MAX. 9-3" (2819) SPAN & 2"x6" (38x140) @ 16" (406) C. FOR MAX, SPAN 14'-7" (4450), BAFTERS FOR BUILT UP BOOF OVER PRE-ENGINEERED ROOF TRUSSÉS AND OR CONVENTIONAL FRAMING TO BE 2"x4" (38x89) @ 24" (610) O.C. UNLESS OTHERWISE SPECIFIED.

### cont. SECTION 1.0. CONSTRUCTION NOTES

WALL AS	SSEMBLY		WIND LOADS					
EXTER <b>I</b> OR	STUDS	<= 0.5	kPA (q50)	> 0.5	kPa (q50)			
EXTENION	31003	SPACING	MAX HEIGHT	SPACING	MAX HEIGHT			
BRICK	2-2"x6" (2-38x140)	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		12" (305) O.C.	21'-0" (6400)	12" (305) O.C.	21'-0" (6400)			
SIDING	(2-38x184) 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 *								

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) Q.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.

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. STRÀPPING @ 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"x (38x89) SILL PLATES. (2"x6" (38x140) AS REQUIRED) FILL ONE SIDE OF STUD ČAVITÝ WITH AT LEAST 90% OF ABSORPTIVE MATÉRIAL PROCESSED FROM ROCK, SLAG OR GLASS. TAPE FILL AND SAND ALL GYPSUM JOINTS.

40A) 2 HR. FIREWALL ([SB-3] WALL TYPE 'B6e' & '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 & SAND ALL GYPSUM JOINTS. AT UNFINISHED AREAS, EXTERIOR FACE OF CONC. BLOCK TO BE SEALED WITH 2 COATS OF PAINT. GYPSUM SHEATHING TO BE ATTACHED TO CONC. BLOCK. (REFER TO DETAILS)

## 41 STUCCO WALL CONSTRUCTION (2'x6') STUCCO FINISH CONFORMING TO O.B.C. SECTION 9.28. AND APPLIED PER MANUFACTURERS SPECIFICATIONS OVER 1 1/2" (38) E.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 (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) MECHANICA FASTENED AS PER MANUFACTURER'S SPECIFICATIONS. ON 7/16" EXTERIOR T 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.) WALLBOARD INT. FINISH, (REPERTIO 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 EXTEND 2'-0" (610) BEYOND BOTH SIDES OF OPENING

# STUD WALL REINFORCEMENT PROVIDE STUD WALL

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.)

45 SLOPED CEILING CONSTRUCTION ([SB-12] 3.1.1.8., 9.23.4.2.) 2"x12" (38x286) ROOF JOISTS @ 16" (406) O.C. MAX. (UNLESS OTHERWISE NOTED) W/ 2"x2" (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 INNER 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 5/ (15.9) T&G EXTERIOR GRADE PLYWOOD 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 EOGE TO BE PROVIDED ON OUTSIDE FACE OF CURB. SCUPPER DRAIL 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** 

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

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

## BARREL VAULT CONSTRUCTION

HUNT DESIGN ASSOCIATES INC

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)

#### 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.

INTERIOR | 2

INTERIOR

ABOVE FINIS

FM | BEAM BY FLO

G FIXED GLASS

### **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		STUDS: (OBC RE		E 9.23.10.1.)				
MIN. STUD SIZE.		SUPPORTED LOADS (EXTERIOR)						
	ROOF w/ OR w/o ATTIC							
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**

1) EXCEPT WHERE A DOOR ON THE SAME FLOOR LEVEL AS THE BEDROOM PROVIDES DIRECT ACCESS TO THE EXTERIOR, EVERY FLOOR LEVEL CONTAINING A BEDROOM IS TO HAVE AT LEAST ONE OUTSIDE WINDOW W/MIN. 0.35m2 UNOBSTRUCTED OPEN PORTION W/NO DIMENSION LESS THAN 1"-3" (380), CAPABLE OF MAINTAINING THE OPENING WITHOUT THE NEED FOR ADDITIONAL SUPPORT, CONFORMING TO 9.9.10 2) WINDOW GUARDS: A GUARD OR A WINDOW WITH A MAXIMUM RESTRICTE 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" (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										
	ROOM OR SPACE	MINIMUM HEIGHTS								
	LIVING ROOM, DINING ROOM AND KITCHEN	7'-7" OVER 75% OF REQUIRED FLOOR AREA WITH A CLEAR HEIGHT OF 6'-11" AT ANY POINT								
	BEDROOM	7'-7" OVER 50% OF REQUIRED FLOOR AREA 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.)								
	CTODACE CADACE	6.7" (0.5.2.2.)								

#### 2.3. MECHANICAL / PLUMBING

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 0BC 9.32.3.4. WHEN A HRV IS REQUIRED, CONFORM TO 9.32.3.11. REFER TO MECHANICAL DRAWINGS.

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

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.

**2.4. LUMBER**1) ALL LUMBER SHALL BE SPRUCE No.2 GRADE OR BETTER, 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 POLYETHYLEN 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. STE**EL (9.23.4.3.) ) 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 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.)

SHING MATERIALS & INSTALLATION SHALL CONFORM TO O.B.C. 2.9. GRADING

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

# 2.10. ULC SPECIFIED ASSEMBLIES

ALL REQUIRED INDIVIDUAL COMPONENTS THAT FORM PART OF ANY 'ULC LISTED ASSEMBLY', SPECIFIED WITHIN THESE DRAWINGS, CANNOT BE ALTERED OR SUBSTITUTED FOR ANY OTHER MATERIAL/PRODUCT OR SPECIFIED MANUFACTURER THAT IS IDENTIFIED 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)

	l	3.2. STEEL LIN	TELS	S SUPPORTING MAS	ONF	RY VENEER				
	LVL8	4-1 3/4"x9 1/2"	LVL9	4-1 3/4"x11 7/8"	LVL13	4-1 3/4"x14"				
	LVL5	3-1 3/4"x9 1/2"	LVL7	3-1 3/4"x11 7/8"	LVL12	3-1 3/4"x14"				
	LVL4	2-1 3/4"x9 1/2"	LVL6	2-1 3/4"x11 7/8"	LVL11	2-1 3/4"x14"				
	LVL2	1-1 3/4"x9 1/2"	LVL3	1-1 3/4"x11 7/8"	LVL10	1-1 3/4"x14"				
		1 3/4" x 9 1/2" LVL	1 3/4" x 11 7/8" LVL		1 3/4" x 14" LVL					
OR		ENGINEERED LUMBER SCHEDULE								
	B7	5/2"x8" (5/38x184)	B8	5/2"x10" (5/38x235)	В9	5/2"x12" (5/38x286)				
	B2	4/2"x8" (4/38x184)	B4	4/2"x10" (4/38x235)	B6	4/2"x12" (4/38x286)				
0	B1	3/2"x8" (3/38x184)	ВЗ	3/2"x10" (3/38x235)	B5	3/2"x12" (3/38x286)				
D	L1	2/2"x8" (2/38x184)	L3	2/2"x10" (2/38x235)	L5	2/2"x12" (2/38x286)				
		2"x8" SPRUCE #2		2"x10" SPRUCE #2	2"x12" SPRUCE #2					

# (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" (2.30n		
L8	4" x 3 1/2" x 1/4" (102 x 89 x 6.4)	8'-9" (2.66m)	8'-1" (2.48n		
L9	5" x 3 1/2" x 5/16" (127 x 89 x 7.9)	10'-10" (3.31m)	10'-1" (3.03r		
L10	5" x 3 1/2" x 7/16" (127 x 89 x 11)	11'-5" (3.48m)	10'-7" (3.24r		
L11	6" x 3 1/2" x 7/16" (152 x 89 x 11)	12'-6" (3.82m)	11'-7" (3.54r		
L12	7" x 4" x 7/16" (178 x 102 x 11)	14'-1" (4.30m)	13'-1" (3.99r		

#### 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) 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) 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 EXTERIOR | 3'-0" x 8'-0" x 1-3/4" (915 x 2440 x 45) INSULATED MIN. R4 (RSI 0.7 EXTERIOR | 2'-8" x 8'-0" x 1-3/4" (815 x 2440 x 45) INSULATED MIN. R4 (RSI 0.7) 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 INTERIOR INTERIOR INTERIOR 2

!-8" x 6'-8" x 1-3/8" (815 x 2	PROVIDE 8'-0" HIGH							
2'-6" x 6'-8" x 1-3/8" (760 x 2								
.'-4" x 6'-8" x 1-3/8" (710 x 2	5)	INTERIOR DOORS						
?'-0" x 6'-8" x 1-3/8" (610 x 2	030 x 3	5)	FOR ALL 10' CEILING					
?'-2" x 6'-8" x 1-3/8" (660 x 2	CONDITIONS							
'-6" x 6'-8" x 1-3/8" (460 x 2	030 x 3	5)						
3.4. ACRONYMS								
HED FLOOR	JST	JOIST						
OR MANUFACTURER	LIN	LINEN CLOSET						
W/ BLACK BACKING	LVL	LAMINATED VENEER LUMBER						
	OTB/A	OPEN TO BELOW/ABOVE						
	-	DOI: 1						

BM	BEAM	OTB/A	OPEN TO BELOW/ABOVE		
BBRM	BEAM BY ROOF MANUFACTURER	PL	POINT LOAD		
CRF	CONVENTIONAL ROOF FRAMING	PLT	PLATE		
C/W	COMPLETE WITH	PT	PRESSURE TREATED		
DJ/TJ	DOUBLE JOIST/ TRIPLE JOIST	PTD	PAINTED		
DO	DO OVER	PWD	POWDER ROOM		
DRP	DROPPED	RWL	RAIN WATER LEADER		
ENG	ENGINEERED	SB	SOLID BEARING WOOD POST		
EST	ESTIMATED	SBFA	SB FROM ABOVE		
FA	FLAT ARCH	SJ	SINGLE JOIST		
FD	FLOOR DRAIN	SPR	SPRUCE		
FG	FIXED GLASS	STL	STEEL		
FL	FLUSH	T/O	TOP OF		
FLR	FLOOR	TYP	TYPICAL		
GΤ	GIRDER TRUSS	U/S	UNDERSIDE		
НВ	HOSE BIB	WD	WOOD		
HRV	HEAT RETURN VENTILATION UNIT	WIC	WALK IN CLOSET		
TWH	HOT WATER TANK	WP	WEATHER PROOF		
3.5. SYMBOLS  ALL ELECTRICAL FACILITIES SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 9.34					
•	CLASS 'B' VENT	0	EXHAUST VENT		
<b>+</b>	DUPLEX OUTLET (12" HIGH)	₩,	DUPLEX OUTLET (HEIGHT AS NOTED A.F.		
•	HEAVY DUTY OUTLET	\$	SWITCH (2/3/4 WAY)		
<del>(</del> )	POTUGHT	-()-	LIGHT FIXTURE (CEILING MOUNTEI		

PROVIDE ONE PER FLOOR, NEAR THE STAIRS CONNECTING THE FLOOR LEVEL. ALARMS ARE TO BE INSTALLED IN EACH SLEEPING ROOM AND IN A LOCATION BETWEEN EEPING ROOMS AND CONNECTING HALLWAYS AND WIRED TO BE INTERCONNECTED LEEPING ROUMS AND CONNECTING MALLWATS AND WINED TO BE INTERFECTION OF ACTIVATE ALL ALARMS IF ONE SOUNDS. ALARMS ARE TO BE CONNECTED TO A LECTRICAL CIRCUIT AND WITH A BATTERY BACKUP. ALARM SIGNAL SHALL MEET EMPORAL SOUND PATTERNS MIN. ALARMS SHALL HAVE A VISUAL SIGNALING DMPONENT AS PER THE "NATIONAL FIRE ALARM AND SIGNALING CODE 72".

LIGHT FIXTURE (WALL MOUNTED)

CHANDELIER (CEILING MOUNTE

TELEPHONE JACK

∑< LIGHT FIXTURE (PULL CHAIN)

CENTRAL VACUUM OUTLET

CABLE T.V. JACK

-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.

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

# THE W**I**DTH OF A WOOD COLUMN SHALL NOT BE LESS THAN THE W**I**DTH OF SUPPORTE 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

XXXXX 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. 2 HR. FIREWALL REFER TO HEX NOTE 40A.

# **SECTION 4.0. CLIMATIC DATA**

1.12 kPa DESIGN SNOW LOAD (9.4.2.2.): WIND PRESSURE (q50) (SB-1.2.) 0.44 **kPa** 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



FOR STRUCTURAL ONLY NOT INCLUDING ENGINEERED FLOOR OR ROOF SYSTEM

2023-01-30

D. FERRARI

100166929

ONTRACTOR MUST VERIFY ALL DIMENSIONS ON THE JOB, REPORT ANY DISCREPANCIES TO HUNT SIGN ASSOCIATES INC. (H.D.A.I.) BEFORE PROCEEDING WITH THE WORK. ALL THE DRAWINGS & ESIGN ASSOCIATES INC. (ILD.A.I.) BEFORE PROCEEDING WITH THE WORK ALL THE DAMINGS & PECIFICATIONS ARE THE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF H.D.A.I. LL CONSTRUCTION TO ADHERE TO THESE PLANS AND SPECIFICATIONS AND TO CONFORM TO THE NTARIO BUILDING CODE AND ALL OTHER APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. IFICATIONS, ONT, REG. 332/12. ISTRUCTION NOTE REVISION DATE: JUNE 09. 2022

HE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE QUALIFICATIONS AND MEETS THE REQUIR OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNER. <u>HUNT UU</u> Derek R. Santos ISTRATION INFORMATION

**ROYAL PINE HOMES - 216051** 

**UNIT - 2501** "LEAFTRAIL HOLDINGS", BRAMPTON, ONTARIO REV.2023.01.12 12 of 1:

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**CONSTRUCTION NOTES**