



ELEVATION 'A'



ELEVATION 'B'

3102-INTERIOR

SB-12 ENERGY EFFICIENCY DESIGN MATRIX

PRESCRIPTIVE COMPLIANCE		SB-12 (SECTION 3.1.1) TABLE 3.1.1.2.A	
PACKAGE A1		SPACE HEATING FUEL	
		<input checked="" type="checkbox"/> GAS	<input type="checkbox"/> OIL
		<input type="checkbox"/> ELECTRIC	<input type="checkbox"/> PROPANE
		<input type="checkbox"/> EARTH	<input type="checkbox"/> SOLID FUEL
BUILDING COMPONENT	REQUIRED	PROPOSED	
INSULATION RSI (R) VALUE			
CEILING W/ ATTIC SPACE	10.56 (R60)	10.56 (R60)	
CEILING W/O ATTIC SPACE	5.46 (R31)	5.46 (R31)	
EXPOSED FLOOR	5.46 (R31)	5.46 (R31)	
WALLS ABOVE GRADE	3.87 (R22)	3.87 (R22)	
BASEMENT WALLS	3.52 ci (R20 ci) *	3.52 ci (R20 ci) *	
* PROPOSED VALUES MAY BE SUBSTITUTED W/ 2.11+1.76ci (R12+R10ci)			
BELOW GRADE SLAB ENTIRE SURFACE > 600mm BELOW GRADE	-	-	
EDGE OF BELOW GRADE SLAB ≤ 600mm BELOW GRADE	1.76 (R10)	1.76 (R10)	
HEATED SLAB OR SLAB ≤ 600mm BELOW GRADE	1.76 (R10)	1.76 (R10)	
WINDOWS & DOORS			
WINDOWS/SLIDING GLASS DOORS (MAX U-VALUE)	1.6	1.6	
SKYLIGHTS (MAX. U-VALUE)	2.8	2.8	
APPLIANCE EFFICIENCY			
SPACE HEATING EQUIP. (AFUE%)	96%	96%	
HRV EFFICIENCY (%)	75%	75%	
DHW HEATER (EF)	0.8	0.8	

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- 3 - GROUND FLOOR PLAN, ELEV. 'A'
- 4 - SECOND FLOOR PLAN, ELEV. 'A'
- 5 - OPT. 4-BEDROOM, SECOND FLOOR. PLAN, EL. 'A' (ELEV. 'B' SIMILAR)
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- 10 - FRONT ELEVATION 'A' & 'B'
- 11 - REAR ELEVATION 'A' & 'B'
- 11A - REAR ELEVATION 'A' & 'B' W/ LOGGIA
- 12 - REAR UPGRADE ELEVATION 'A'
- 12A - REAR UPGRADE ELEVATION 'A' W/LOGGIA
- 13 - REAR UPGRADE ELEVATION 'B'
- 13A - REAR UPGRADE ELEVATION 'B' W/LOGGIA
- 14 - CROSS SECTION 'A-A'
- 15 - CONSTRUCTION NOTES 1
- 16 - CONSTRUCTION NOTES 2

REFER TO
MARKUPS

AREA CALCULATIONS	EL. 'A'	EL. 'A'	EL. 'A'	EL. 'A'	EL. 'A'	EL. 'A'	EL. 'B'	EL. 'B'	EL. 'B'	EL. 'B'	EL. 'B'	EL. 'B'
GROUND FLOOR AREA	STD -INT 904 sq. ft.	OPT. 4 BEDRM 904 sq. ft.	STD W/ LOGGIA 904 sq. ft.	STD W/ F.P. 911 sq. ft.	4 BR. W/ F.P. 911 sq. ft.	W/ F.P.& LOGGIA 911 sq. ft.	STD -INT 904 sq. ft.	OPT. 4 BEDRM 904 sq. ft.	STD W/ LOGGIA 904 sq. ft.	STD W/ F.P. 911 sq. ft.	4 BR. W/ F.P. 911 sq. ft.	W/ F.P.& LOGGIA 911 sq. ft.
SECOND FLOOR AREA	1293 sq. ft.	1293 sq. ft.	1293 sq. ft.	1293 sq. ft.	1293 sq. ft.	1293 sq. ft.	1297 sq. ft.	1297 sq. ft.	1297 sq. ft.	1297 sq. ft.	1297 sq. ft.	1297 sq. ft.
SUBTOTAL	2197 sq. ft.	2197 sq. ft.	2197 sq. ft.	2204 sq. ft.	2204 sq. ft.	2204 sq. ft.	2201 sq. ft.	2201 sq. ft.	2201 sq. ft.	2208 sq. ft.	2208 sq. ft.	2208 sq. ft.
DEDUCT ALL OPEN AREAS	0 sq. ft.	0 sq. ft.	0 sq. ft.	0 sq. ft.	0 sq. ft.	0 sq. ft.	0 sq. ft.	0 sq. ft.	0 sq. ft.	0 sq. ft.	0 sq. ft.	0 sq. ft.
TOTAL NET AREA	2197 sq. ft. (204.11 sq. m.)	2197 sq. ft. (204.11 sq. m.)	2197 sq. ft. (204.11 sq. m.)	2204 sq. ft. (204.76 sq. m.)	2204 sq. ft. (204.76 sq. m.)	2204 sq. ft. (204.76 sq. m.)	2201 sq. ft. (204.48 sq. m.)	2201 sq. ft. (204.48 sq. m.)	2201 sq. ft. (204.48 sq. m.)	2208 sq. ft. (205.13 sq. m.)	2208 sq. ft. (205.13 sq. m.)	2208 sq. ft. (205.13 sq. m.)
FINISHED BASEMENT AREA	675 sq. ft.	675 sq. ft.	675 sq. ft.	675 sq. ft.	675 sq. ft.	675 sq. ft.	675 sq. ft.	675 sq. ft.	675 sq. ft.	675 sq. ft.	675 sq. ft.	675 sq. ft.
COVERAGE W/OUT PORCH	1293 sq. ft. (120.12 sq. m.)	1293 sq. ft. (120.12 sq. m.)	1293 sq. ft. (120.12 sq. m.)	1300 sq. ft. (120.77 sq. m.)	1300 sq. ft. (120.77 sq. m.)	1300 sq. ft. (120.77 sq. m.)	1294 sq. ft. (120.22 sq. m.)	1294 sq. ft. (120.22 sq. m.)	1294 sq. ft. (120.22 sq. m.)	1301 sq. ft. (120.87 sq. m.)	1301 sq. ft. (120.87 sq. m.)	1301 sq. ft. (120.87 sq. m.)
COVERAGE W/ PORCH	1345 sq. ft. (124.95 sq. m.)	1345 sq. ft. (124.95 sq. m.)	1467 sq. ft. (136.29 sq. m.)	1352 sq. ft. (125.60 sq. m.)	1345 sq. ft. (124.95 sq. m.)	1467 sq. ft. (136.29 sq. m.)	1361 sq. ft. (126.44 sq. m.)	1361 sq. ft. (126.44 sq. m.)	1483 sq. ft. (137.78 sq. m.)	1368 sq. ft. (127.09 sq. m.)	1368 sq. ft. (127.09 sq. m.)	1483 sq. ft. (137.78 sq. m.)
WINDOW / WALL AREA CALCULATIONS	EL. 'A'	EL. 'A'	EL. 'A'	EL. 'A'	EL. 'A'	EL. 'A'	EL. 'B'	EL. 'B'	EL. 'B'	EL. 'B'	EL. 'B'	EL. 'B'
STD -INT	3185 sq. ft. (295.90 sq. m.)	OPT. 4 BEDRM 3185 sq. ft. (295.90 sq. m.)	STD W/ LOGGIA 3185 sq. ft. (295.90 sq. m.)	STD W/ F.P. 3185 sq. ft. (295.90 sq. m.)	4 BR. W/ F.P. 3185 sq. ft. (295.90 sq. m.)	W/ F.P.& LOGGIA 3185 sq. ft. (295.90 sq. m.)	STD -INT 3193 sq. ft. (296.64 sq. m.)	STD -INT 3193 sq. ft. (296.64 sq. m.)	STD -INT 3193 sq. ft. (296.64 sq. m.)	STD W/ F.P. 3193 sq. ft. (296.64 sq. m.)	4 BR. W/ F.P. 3193 sq. ft. (296.64 sq. m.)	W/ F.P.& LOGGIA 3193 sq. ft. (296.64 sq. m.)
GROSS WINDOW AREA	312 sq. ft. (28.99 sq. m.)	327 sq. ft. (30.38 sq. m.)	312 sq. ft. (28.99 sq. m.)	288 sq. ft. (26.76 sq. m.)	304 sq. ft. (28.24 sq. m.)	288 sq. ft. (26.76 sq. m.)	322 sq. ft. (29.91 sq. m.)	322 sq. ft. (29.91 sq. m.)	322 sq. ft. (29.91 sq. m.)	298 sq. ft. (27.69 sq. m.)	314 sq. ft. (29.17 sq. m.)	298 sq. ft. (27.69 sq. m.)
TOTAL WINDOW %	9.80 %	10.27 %	9.80 %	9.04 %	9.54 %	9.04 %	10.08 %	10.59 %	10.08 %	9.33 %	9.83 %	9.33 %

7. ISSUED FOR PERMIT RE-SUBMISSION	2022.07.11	AW
6. ADDED LOGGIA DRAWINGS	2022.06.06	NN
5. ISSUED FOR PERMIT	2022.02.18	WT
4. REVISED AS PER STRUCTURAL ENG. COMMENTS	2022.01.31	WT
3. REVISED AS PER STRUCTURAL ENG. COMMENTS	2021.11.29	NEA
2. REVISED AS PER FLOOR & TRUSS MANUF. LAYOUT	2021.09.27	NEA
1. ISSUED FOR CLIENT FOR FLOOR, ROOF & HVAC	2021.02.26	AW
REVISIONS	DATE (YYYYMMDD)	BY

TITLE PAGE

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Allan Whitting 23177
BCIN
HUNT DESIGN ASSOCIATES INC. 19695

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GOLDPARK HOMES - 217014
PINE VALLEY TOWNS, VAUGHAN ON
Drawn By BB Checked By AW Scale 3/16"=1'-0" File Number 217014WT3102-INT
8966 Woodbine Ave, Markham, ON L3R 0J7 T 905.737.5133 F 905.737.7326

3102-INTERIOR
REV.2022.07.11
Page Number 1 of 16



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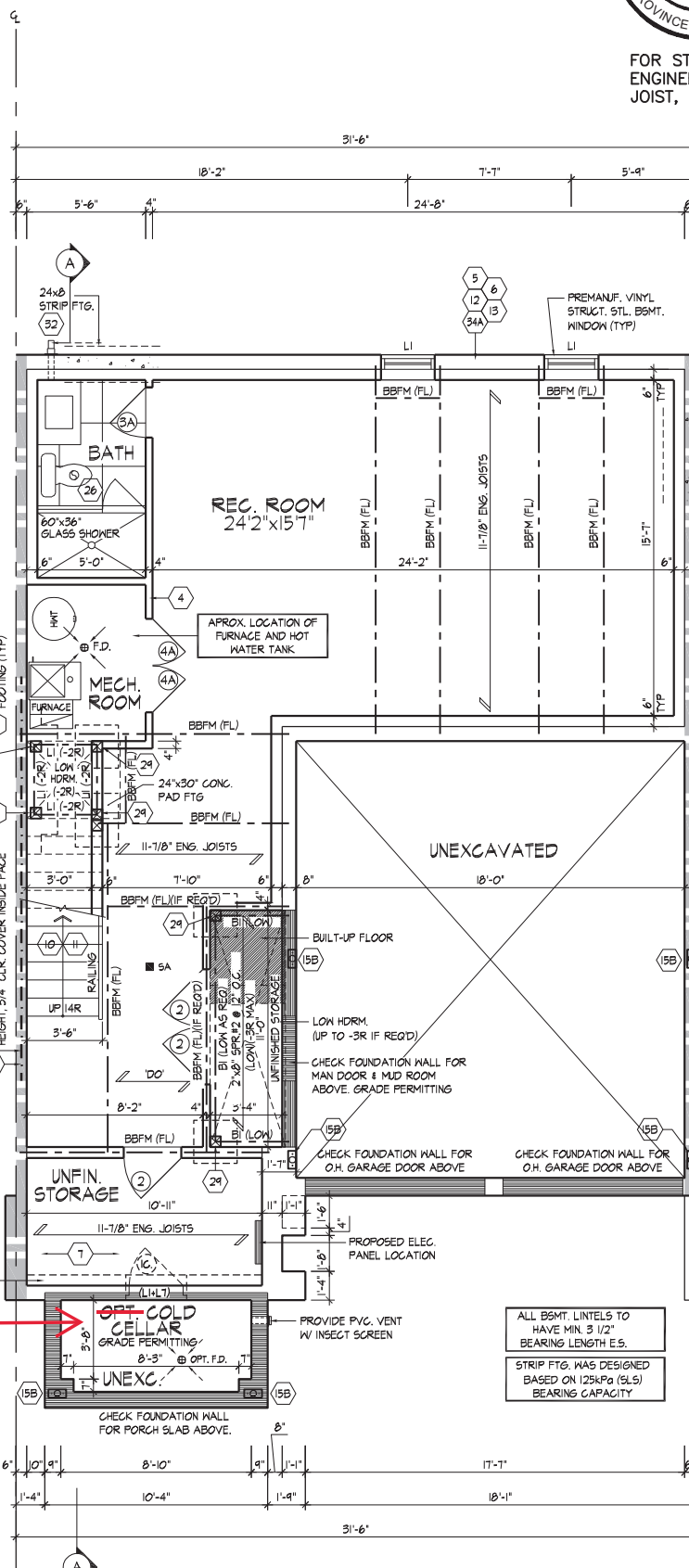
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Standard Cold Cellar

- SPACE ALL FLOOR JOISTS @ 12" O.C. UNDER ALL CERAMIC TILE AREAS.
- PROVIDE SOLID HOOD BLOCKING @ 24" O.C. FOR FIRST JOIST SPAN WHEN PARALLEL W/ EXTERIOR WALL
- REFER TO FLOOR JOIST MANUFACTURER'S DRAWINGS FOR LAYOUT, SPACING, BLOCKING & STRAPPING REQUIREMENTS, INSTALLATION DETAILS AND HANGER SIZES, & SUBFLOOR THICKNESS



BASEMENT PLAN, ELEV. 'A'

BASEMENT PLAN, ELEV. 'A'

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SPACE ALL FLOOR JOISTS @ 12" O.C.
UNDER ALL CERAMIC TILE AREAS.

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

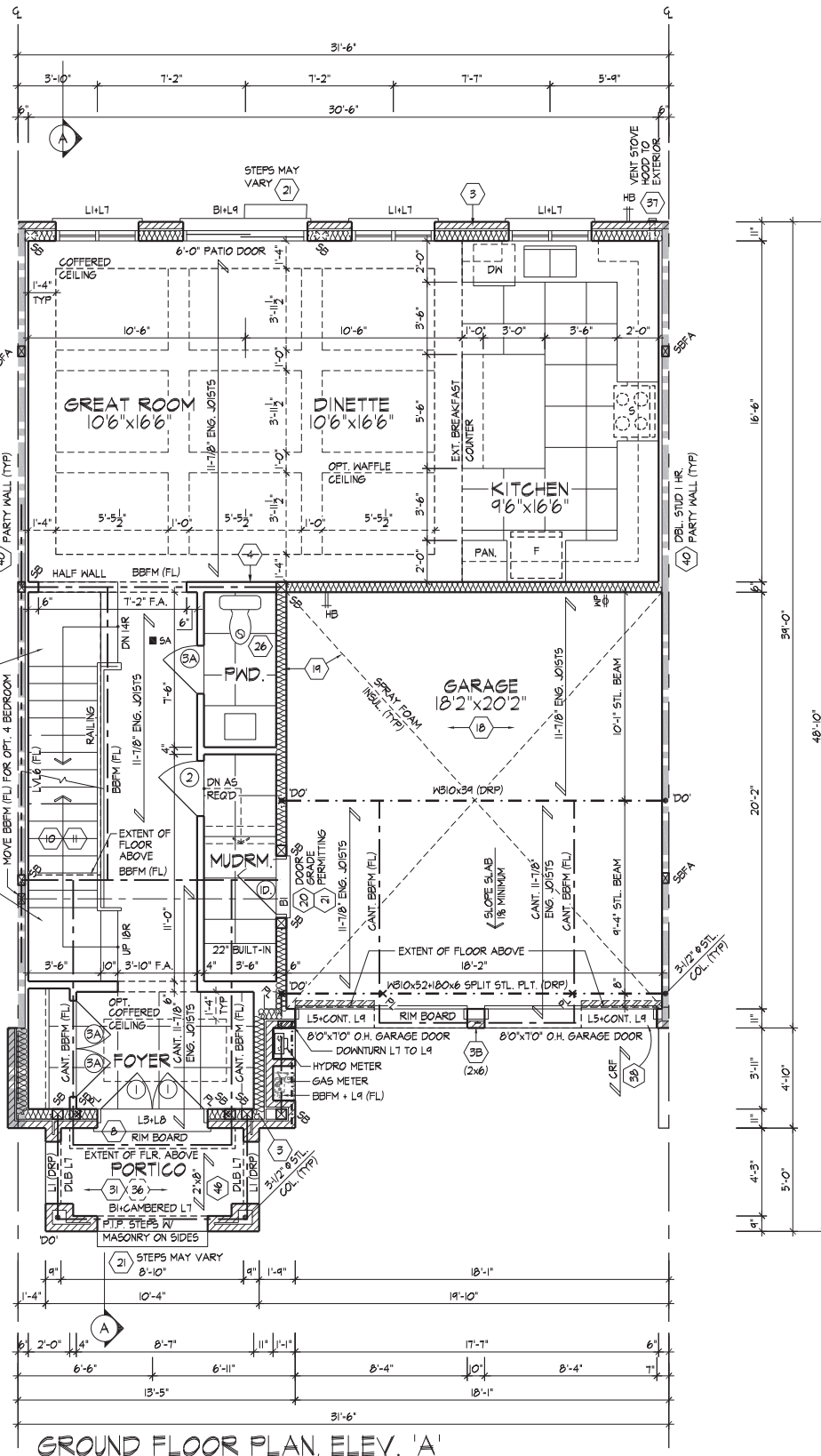
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GROUND FLOOR PLAN, ELEV. 'A'

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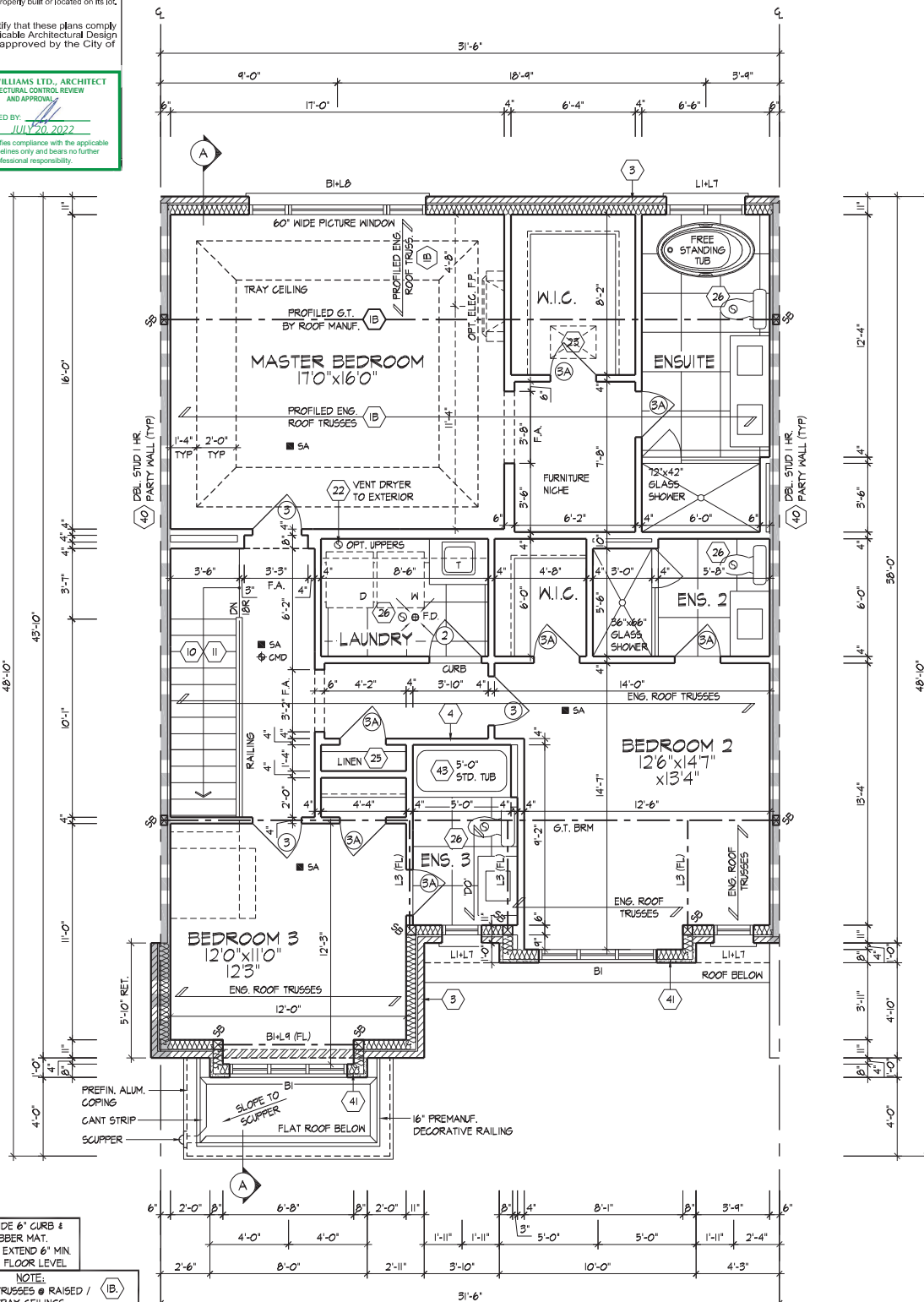
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PROVIDE 6" CURB & RUBBER MAT. MAT TO EXTEND 6" MIN. ABOVE FLOOR LEVEL.
NOTE:
STEP TRUSSES @ RAISED / TRAY CEILINGS
REFER TO ROOF TRUSS MANUFACTURER'S DRAWINGS FOR LAYOUT, SPACING, INSTALLATION DETAILS AND HANGER SIZES.

SECOND FLOOR PLAN, ELEV. 'A'

SECOND FLOOR PLAN, ELEV. 'A'

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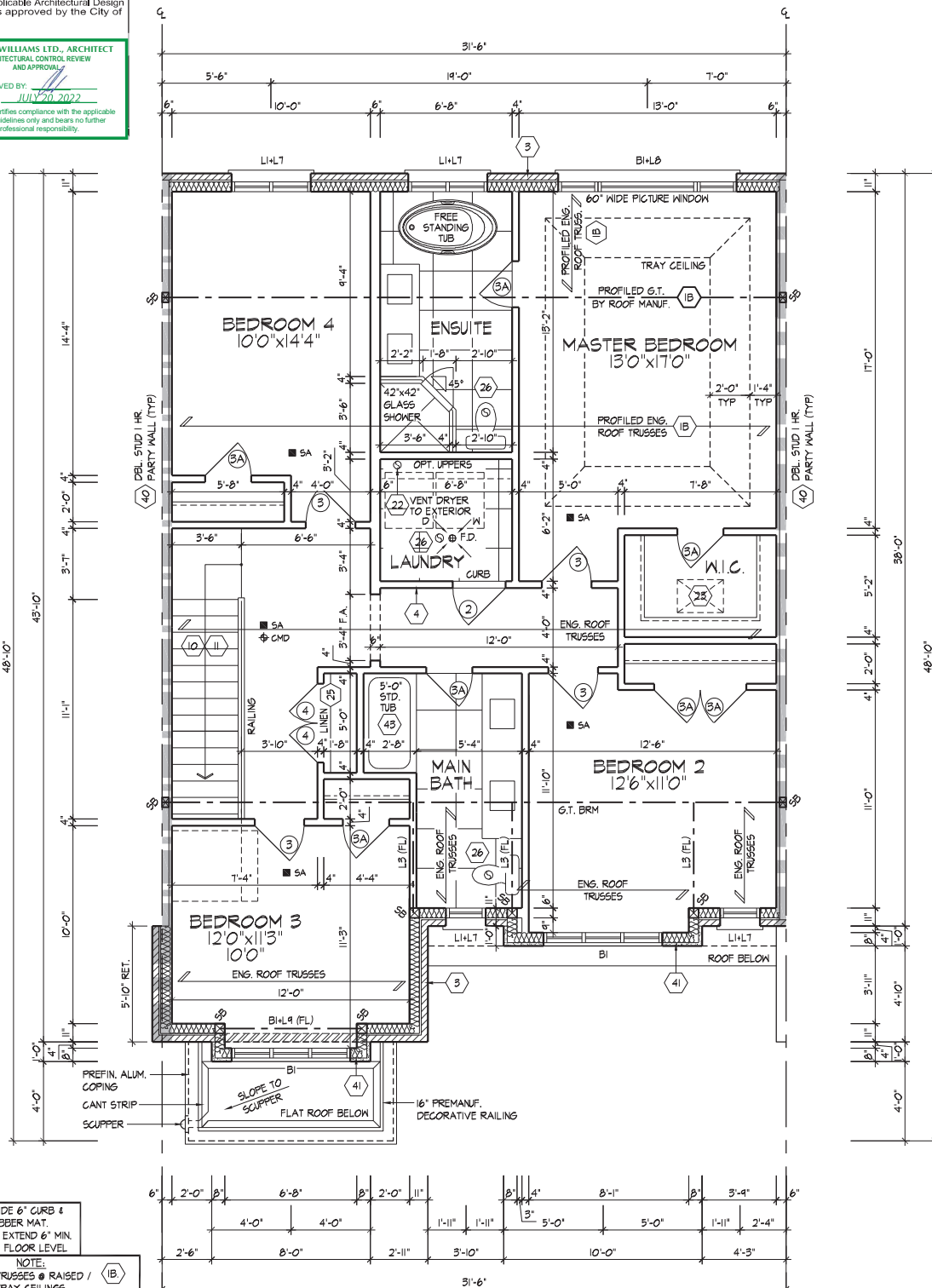
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OPT. 4-BEDROOM, SECOND FLOOR. PLAN, EL. 'A'
(ELEV. 'B' SIMILAR)

OPT. 4-BEDROOM, SECOND FLOOR. PLAN, EL. 'A' (ELEV. 'B' SIMILAR)

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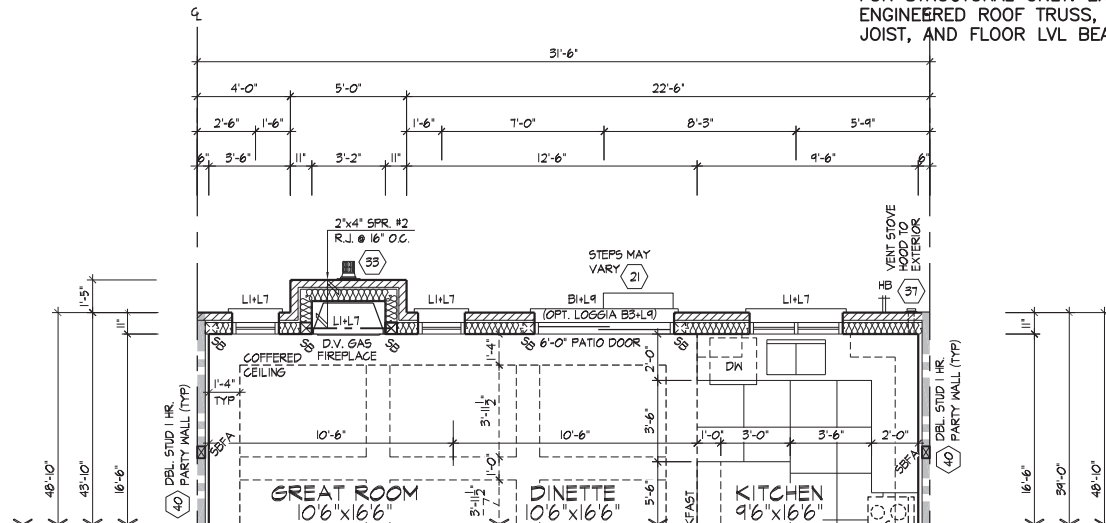
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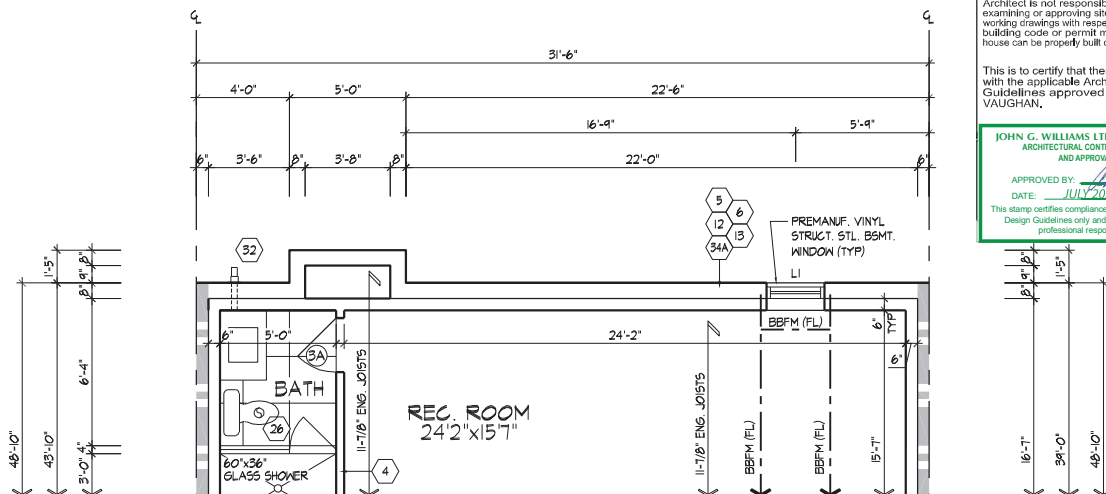
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PART. OPT. GREAT ROOM W/ GAS FIREPLACE,
ELEV. 'A' (ELEV. 'B' SIMILAR)

REFER TO STANDARD PLAN FOR
COMPLETE CONSTRUCTION NOTES
& DIMENSIONS



PART. OPT. BASEMENT PLAN W/ FIREPLACE ABOVE,
ELEV. 'A' (ELEV. 'B' SIMILAR)

REFER TO STANDARD PLAN FOR
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& DIMENSIONS

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PART. OPT. FIREPLACE, ELEV. 'A' (ELEV. 'B' SIMILAR)

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Allan Whiting 23177
Title: Designer
Registration Information
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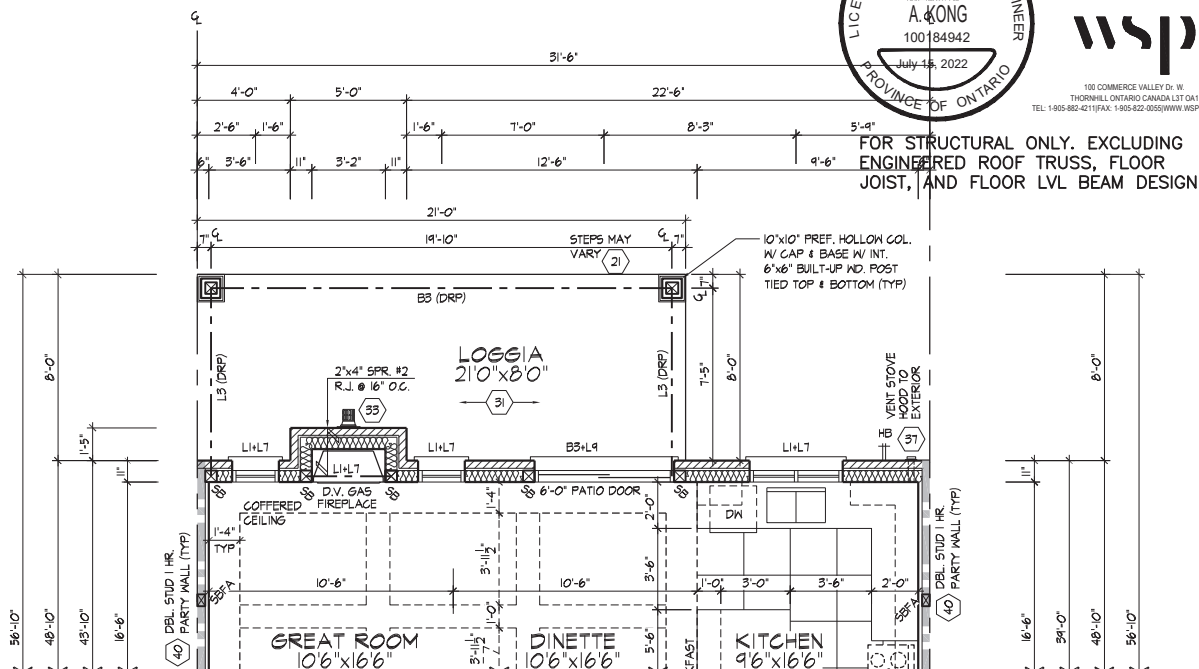
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PINE VALLEY TOWNS, VAUGHAN ON
Drawn By: BB
Checked By: AW
Scale: 3/16"=1'-0"
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PART. OPT. GREAT ROOM W/ GAS FIREPLACE,
ELEV. 'A' W/ LOGGIA (ELEV. 'B' SIMILAR)

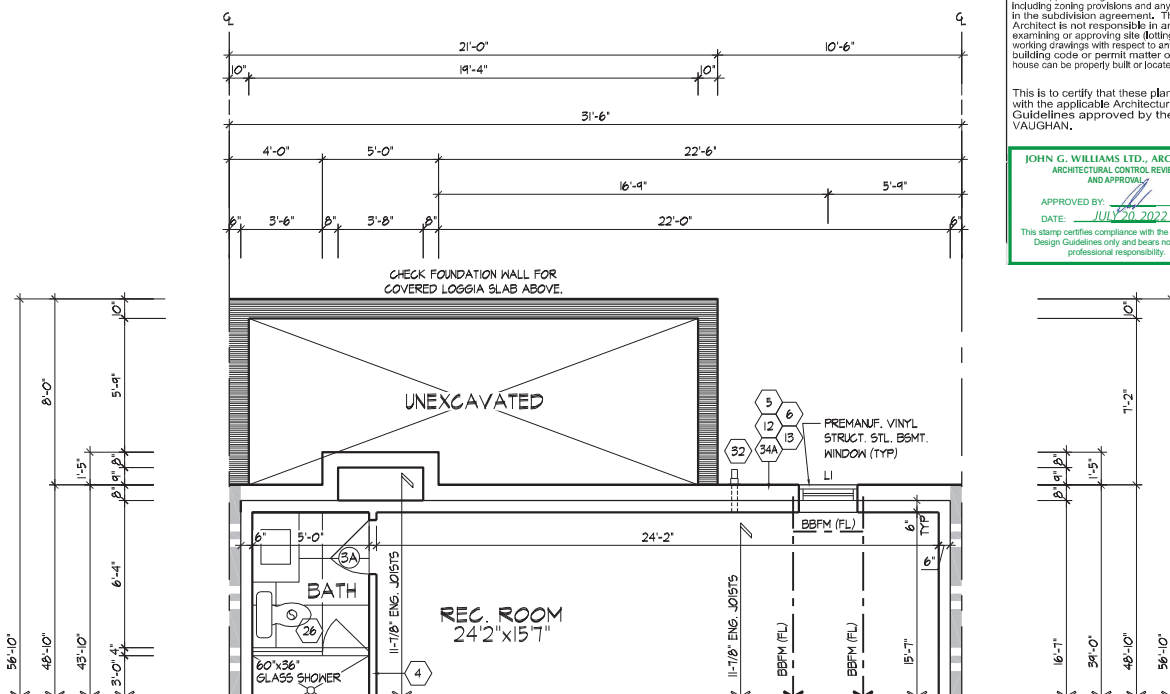
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PART. OPT. BASEMENT PLAN W/ FIREPLACE ABOVE,
ELEV. 'A' W/ LOGGIA (ELEV. 'B' SIMILAR)

PART. OPT. FIREPLACE, ELEV. 'A' W/ LOGGIA (ELEV. 'B' SIMILAR)

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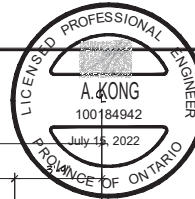
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www.huntdesign.ca

GOLDPARK HOMES - 217014
PINE VALLEY TOWNS, VAUGHAN ON
Drawn By: BB
Checked By: AW
Scale: 3/16"=1'-0"
8966 Woodbine Ave, Markham, ON L3R 0J7
T 905.737.5133 F 905.737.7326

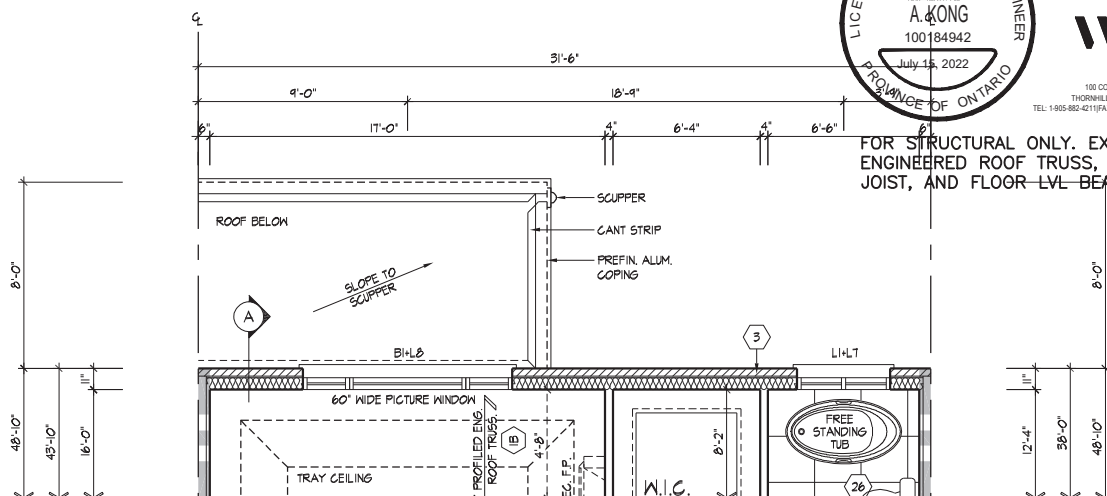
3102-INTERIOR
REV.2022.07.11
Rev Number: 217014VT3102-INT
Page Number: 8 of 16

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THORNHILL, ONTARIO CANADA L3T 0A1
TEL: 1-905-882-4211 FAX: 1-905-822-0355 WWW.WSPGROUP.CA

FOR STRUCTURAL ONLY. EXCLUDING
ENGINEERED ROOF TRUSS, FLOOR
JOIST, AND FLOOR-LEVEL BEAM DESIGN.



SECOND FLOOR PLAN, ELEV. 'A' & 'B' W/ LOGGIA
(SIMILAR TO OPT. PLAN & ELEV. 'B')

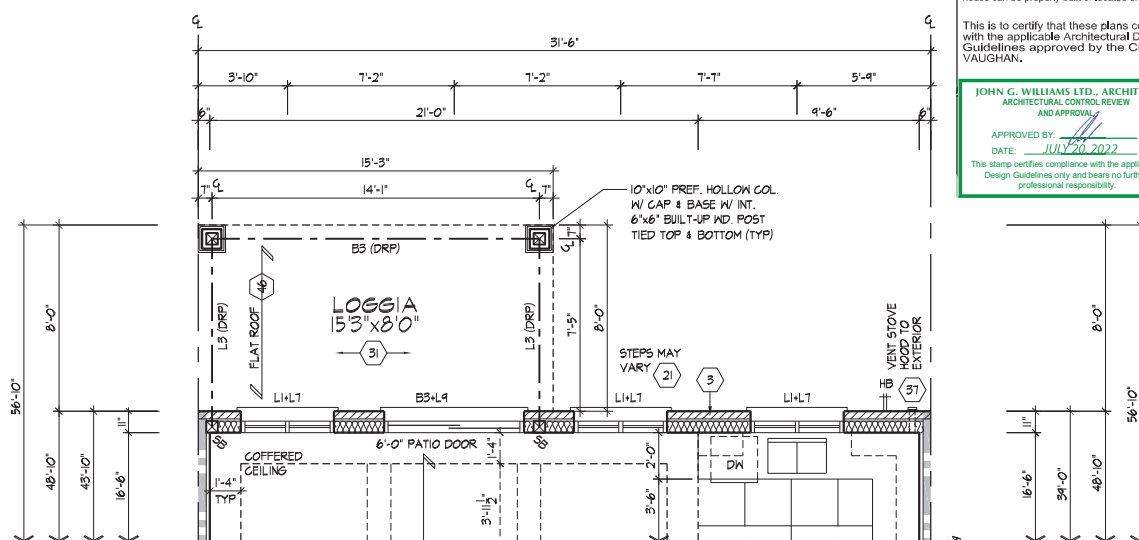
It is the builder's complete responsibility to ensure that all plans submitted for approval fully comply with the Architectural Guidelines and all applicable regulations and requirements including zoning provisions and any provisions in the subdivision agreement. The Control Architect is not responsible 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.

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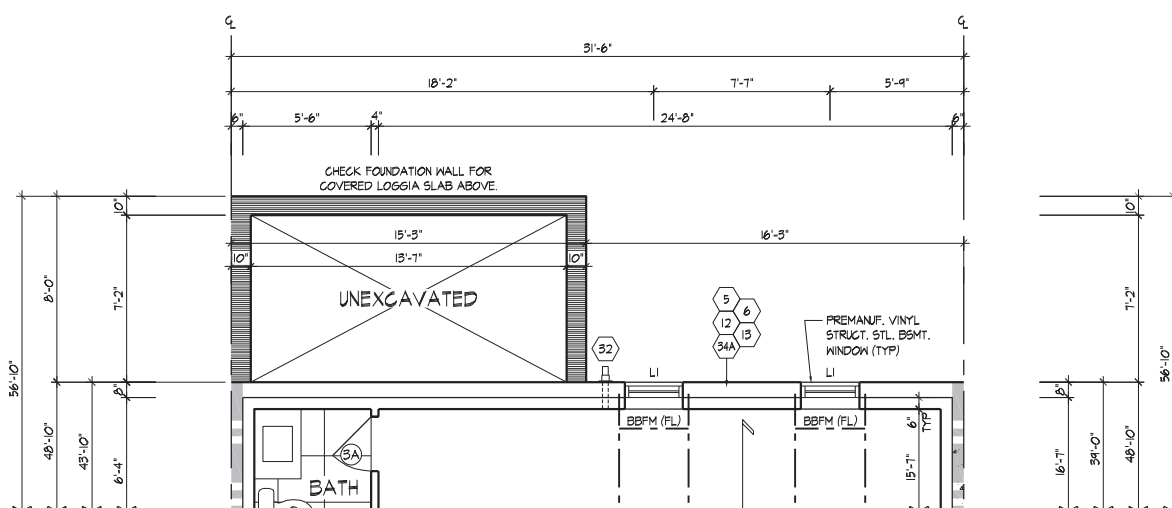
JOHN G. WILLIAMS LTD., ARCHITECT
ARCHITECTURAL CONTROL REVIEW
AND APPROVAL

APPROVED BY: [Signature]
DATE: JULY 20, 2022

This stamp certifies compliance with the applicable Design Guidelines only and bears no further professional responsibility.



GROUND FLOOR PLAN, ELEV. 'A' & 'B' W/ LOGGIA



BASEMENT PLAN, ELEV. 'A' & 'B' W/ LOGGIA

PART. FLOOR PLANS, ELEV. 'A' & 'B' W/ LOGGIA

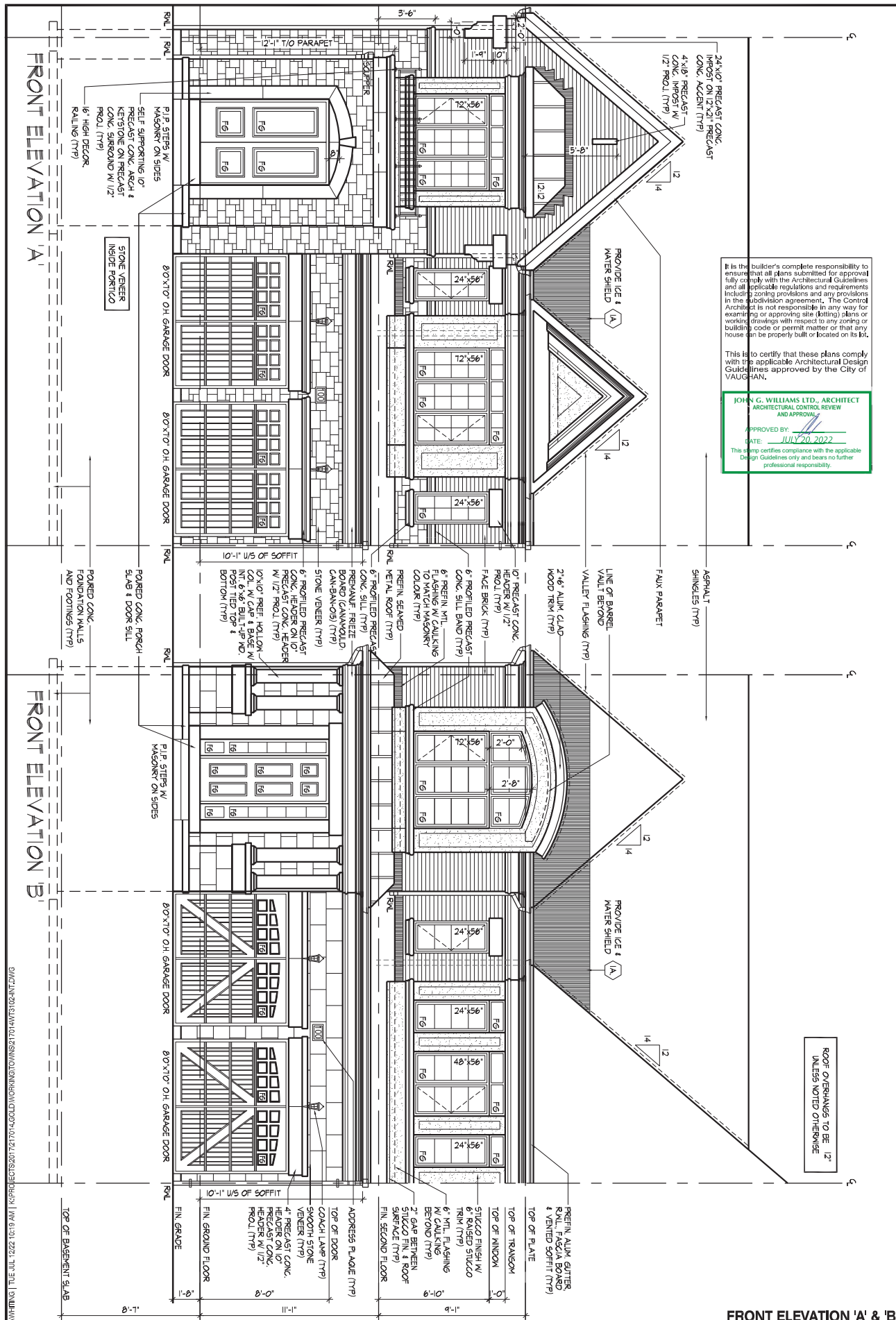
THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE QUALIFYING AND NEEDS THE REQUIREMENTS SET OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNER.
QUALIFICATION INFORMATION
Allan Whiting 23177
TRUE SIGNATURE BCN
REGISTRATION INFORMATION
HUNT DESIGN ASSOCIATES INC. 19695

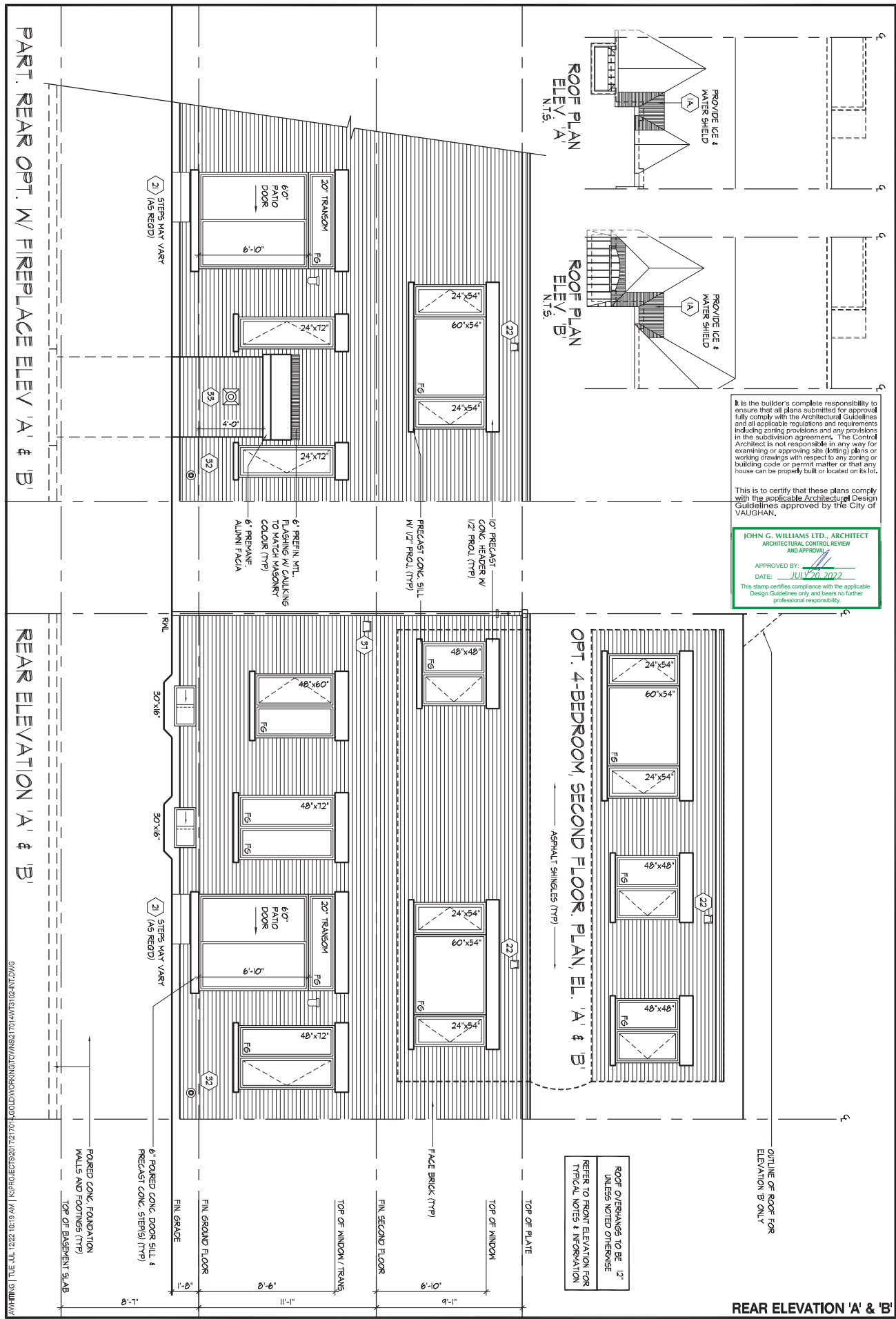
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PINE VALLEY TOWNS, VAUGHAN ON
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3102-INTERIOR
REV.2022.07.11
217014WT3102-INT
9 of 16

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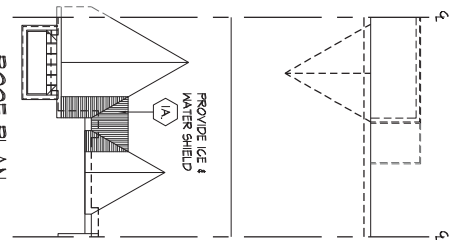
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JOHN G. WILLIAMS LTD., ARCHITECT
ARCHITECTURAL CONTROL REVIEW AND APPROVAL

APPROVED BY:
DATE: JULY 20, 2022

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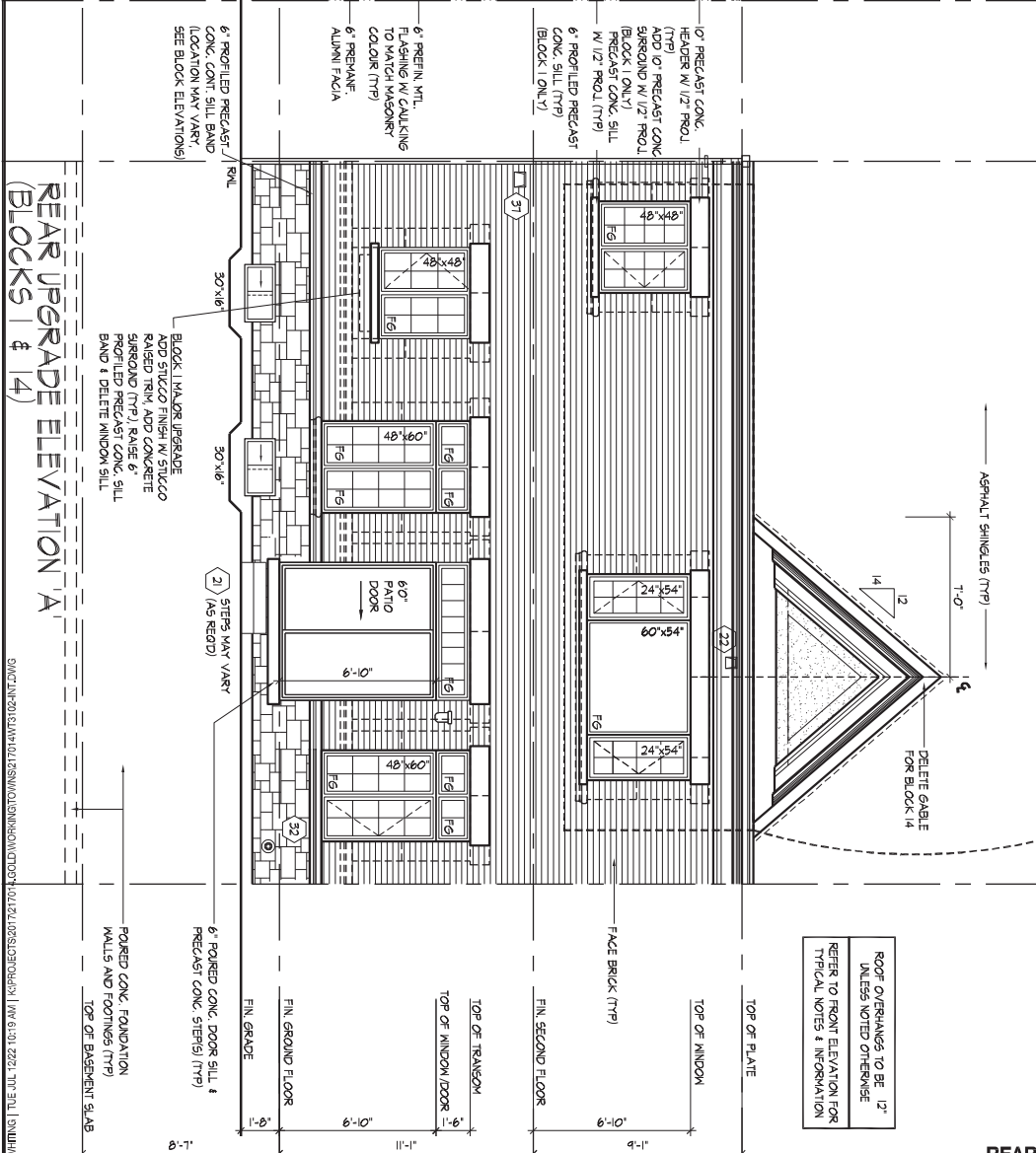
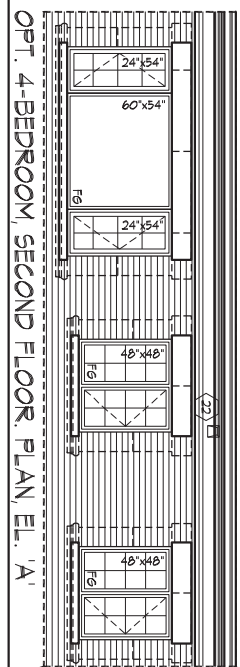
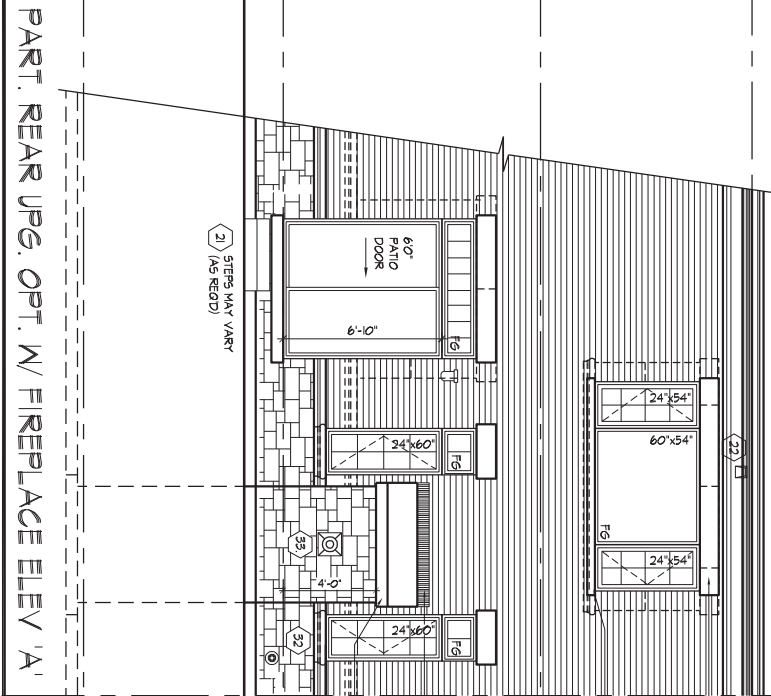
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ARCHITECTURAL CONTROL REVIEW

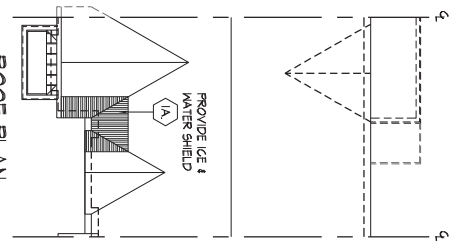
APPROVED BY:

DATE: JULY 20, 2022

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





ROOF PLAN
ELEV. A
N.T.S.

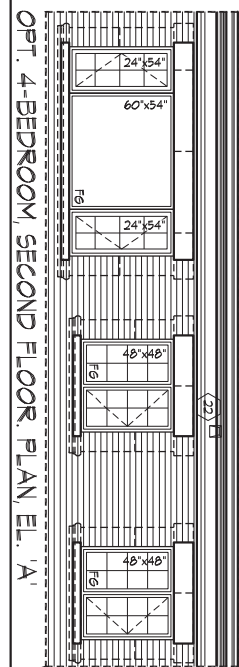
SPATIAL CALCULATION			
PERIOD: TABLE 3.0.1.5.4			
REAR ELEVATION A & B			
EXPOSING BUILDING	669.56	S.F.	
FACE AREA	62.20	S.F.	
PORTION WALL AREA	62.20	S.F.	
LIMITING DISTANCE	6.0 m		
MAX. % OPENINGS	34	%	
QUANT.	WIDTH	DEPTH	WINDOW / DOOR FRAME SIZE (S.F.)
1	48"	12"	4.76
2	48"	12"	4.76
3	48"	12"	4.76
4	48"	12"	4.76
5	48"	12"	4.76
6	48"	12"	4.76
7	48"	12"	4.76
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98	48"	12"	4.76
99	48"	12"	4.76
100	48"	12"	4.76

SPATIAL CALCULATION			
PERIOD: TABLE 3.0.1.5.4			
ALT. REAR ELEVATION A & B			
EXPOSING BUILDING	669.56	S.F.	
FACE AREA	62.20	S.F.	
PORTION WALL AREA	62.20	S.F.	
LIMITING DISTANCE	6.0 m		
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JOHN G. WILLIAMS LTD., ARCHITECT
ARCHITECTURAL CONTROL REVIEW
AND APPROVAL
APPROVED BY:
DATE: JULY 20, 2022
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OPT. 4-BEDROOM, SECOND FLOOR, PLAN, EL. 'A'

ROOF OVERHANGS TO BE 12" UNLESS NOTED OTHERWISE.
REFER TO FRONT ELEVATION FOR TYPICAL NOTES & INFORMATION

REAR UPGRADE ELEVATION 'A' W/LOGGIA

PART REAR UPG. OPT. W/ FIREPLACE ELEV. 'A' W/ LOGGIA

REAR UPGRADE ELEVATION 'A' W/ LOGGIA (BLOCKS 1 & 14)

104 PROJECTS/2022/07/20/14WT3102-INT

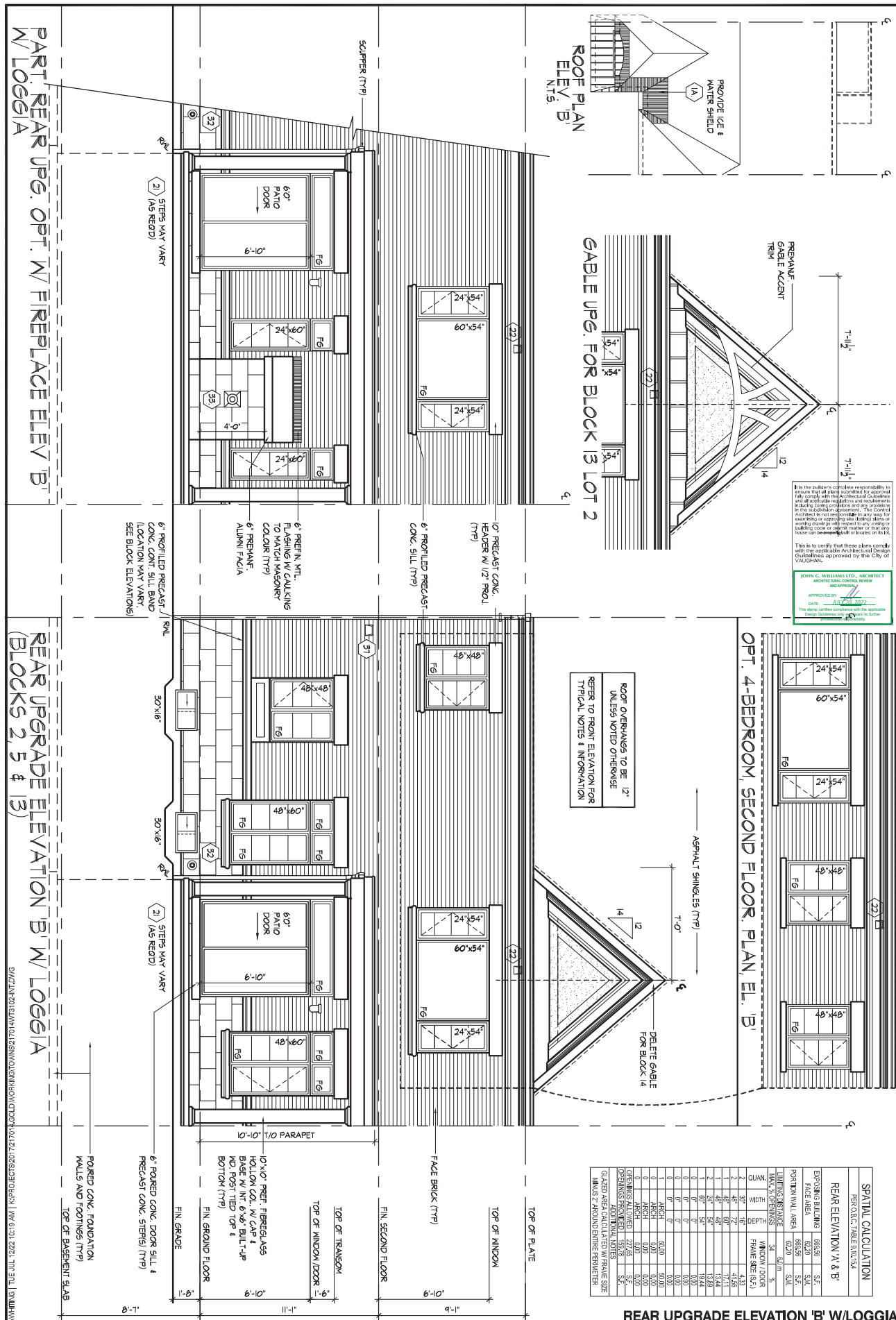
THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS DESIGN AND HAS THE QUALIFYING AND NEEDS THE REQUIREMENTS SET OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNER.
QUALIFICATION INFORMATION
Allan Whiting
23177
B.C.P.
THE REGISTRATION INFORMATION
HUNT DESIGN ASSOCIATES INC.
19695

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

GOLDPARK HOMES - 217014
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Checked By: AW
Scale: 3/16"=1'-0"
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3102-INTERIOR
REV.2022.07.11
Page Number
12A of 14

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JOHN G. WILLIAMS LTD., ARCHITECT
ARCHITECTURAL CONTROL ORDER
APPROVED BY: JG WILLIAMS LTD.
DATE: 01/10/2022
This stamp certifies compliance with the applicable Building Code and is valid for 12 months.

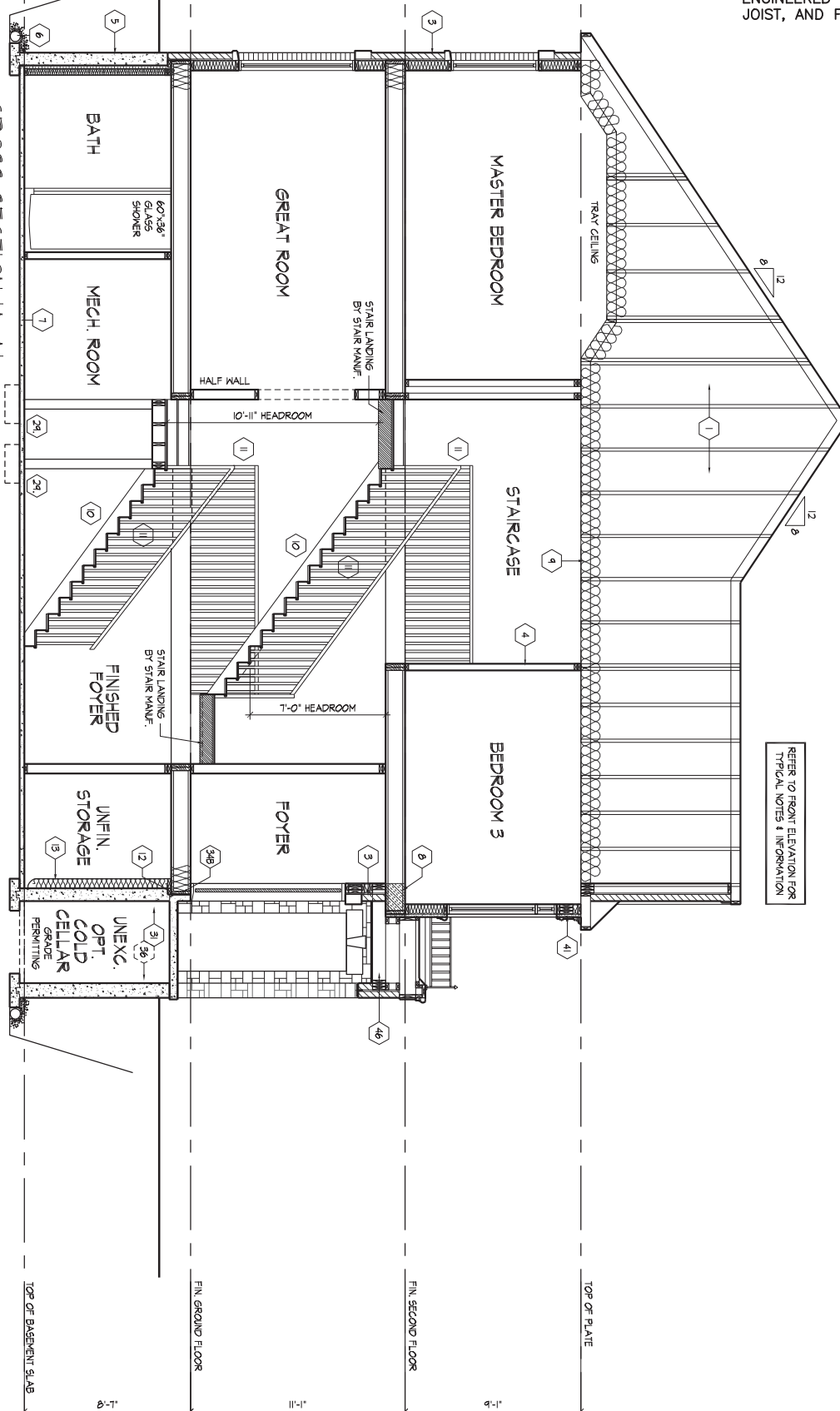
SPATIAL CALCULATION			
PER O.C. TABLE 11.3.4			
REAR ELEVATION 'A' & 'B'			
ITEM	DESCRIPTION	QTY	UNIT
1	EXISTING BUILDING	60.50	S.F.
2	FACE AREA	60.50	S.F.
3	PORTION WALL AREA	60.50	S.F.
4	LANDING AREA	60.50	S.F.
5	MAX. V. OPENINGS	34	%
6	MIN. V. OPENINGS	34	%
7	WINDOW DOOR FRAME AREA	4.50	S.F.
8	GLAZED AREA CALCULATED W/ FRAME SIZE	4.50	S.F.
9	MINUS 2% AROUND ENTIRE PERIMETER	4.50	S.F.



100 COMMERCE VALLEY DR. W.
THORNHILL, ONTARIO CANADA L3T 0A1
TEL: 1-905-882-4211/FAX: 1-905-822-0555/WWW.WSPGROUP.CA

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JOIST, AND FLOOR LVL BEAM DESIGN.

CROSS SECTION 'A-A'



REFER TO FRONT ELEVATION FOR
TYPICAL NOTES & INFORMATION

CROSS SECTION 'A-A'

AW:HHN1 | TUE JUL 12 2022 10:19 AM | K:\PROJECTS\207\217014\GOLD\WORKING\TOWNS\217014WT3102-INT.DWG

THE UNDERSIGNED HAS REVIEWED AND TAKES RESPONSIBILITY FOR THIS
DESIGN AND HAS THE QUALIFYING AND MEETS THE REQUIREMENTS SET
OUT IN THE ONTARIO BUILDING CODE TO BE A DESIGNER.
QUALIFICATION INFORMATION
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Page Number 14 of 16

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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.

- STAMP
-
- A. KONG
100184942
July 15, 2022
PROVINCE OF ONTARIO
- wsp**
- 100 COMMERCE VALLEY DR. W
THORNHILL, ONTARIO CANADA L3T 0A1
TEL: 1-905-882-4211 FAX: 1-905-822-0050 WWW.WSPGROUP.CA
- FOR STRUCTURAL ONLY. EXCLUDING
ENGINEERED ROOF TRUSS, FLOOR
JOIST, AND FLOOR LVL. BEAM DESIGN.
- CONSTRUCTION NOTES 1**

cont. SECTION 1.0. CONSTRUCTION NOTES

TWO STOREY VOLUME SPACES (9.23.10.1, 9.23.11, 9.23.16.)			
WALL ASSEMBLY	WIND LOADS	<= 0.5 kPa (g50)	
		> 0.5 kPa (g50)	
EXTERIOR STUDS	SPACING	MAX HEIGHT	SPACING
BRICK	2'-2 1/2" (38x140) SPLY #2	12' (305) O.C.	18'-4" (5588) @ 200' O.C.
SIDING	2'-2 1/2" (38x140) SPLY #2	12' (305) O.C.	18'-4" (5588) @ 200' O.C.
BRICK	2'-2 1/2" (38x140) SPLY #2	12' (305) O.C.	18'-4" (5588) @ 200' O.C.
SIDING	2'-2 1/2" (38x140) SPLY #2	12' (305) O.C.	18'-4" (5588) @ 200' O.C.

** 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 BLOCK BETWEEN STUDS WITH @ 4'-4" (1220) O.C. VERTICAL.

- FOR HORIZ. DISTANCES LESS THAN 9'-4" (2866) PROVIDE 2x6 (38x140) STUDS @ 16" (406) O.C. WITH CONTIN. 2x6 (38x140) TOP PLATE + 1x2x6 (1-38x140) BOTTOM PLATE & MIN. OF 2x2x6 (38x184) CONC. HEADER AT GROUND FLOOR CEILING LEVEL. TOP-NAILED & GLUED AT TOP, BOTTOM PLATES & HEADERS.

1 HR. PARTY WALL (CONC. BLOCK) (SB-3) WALL TYPE 9b9d & 9b1d			
1/2" (12.7) GYPSUM SHEATHING ON EACH SIDE ON 2x2" (38x38) VERTICAL WD. STRAPPING @ 24" (610) O.C. ON 8" (203) 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/ COATS OF PAINT OR FURRED WITH 2x2" (38x38) WD. STRAPPING & 1/2" (12.7) GYPSUM SHEATHING.			

1 HR. PARTY WALL (DOUBLE STUD) (SB-3) WALL TYPE W3-3c			
5/8" (15.9) TYPE 'M' GYPSUM SHEATHING ON EXTERIOR SIDE OF 2 ROWS OF 2x2" (38x38) STUDS @ 16" (406) O.C. MIN. 1" (25.4) APART ON SEPARATE 2x4" (38x89) SILL PLATES, 2x6" (38x140) (AS REQUIRED) FILL ONE SIDE OF STUD CAVITY WITH AT LEAST 90% OF ABSORPTIVE MATERIAL PROCESSED FROM ROCK, SLAG OR GLASS, TAPE FILL AND SAND ALL GYPSUM JOINTS.			

2 HR. FIREWALL (SB-3) WALL TYPE 9b9d & 9b1d			
1/2" (12.7) GYPSUM SHEATHING ON EACH SIDE ON 2x2" (38x38) VERTICAL WOOD STRAPPING @ 24" (610) O.C. ON 8" (203) 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, AT UNFINISHED AREA, 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 MANUFACTURER'S 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)			

STUCCO WALL CONSTRUCTION (2"x6") W/ CONTIN. INSUL.			
STUCCO FINISH CONFORMING TO O.B.C. SECTION 9.28, AND APPLIED PER MANUFACTURER'S SPECIFICATIONS OVER 1 1/2" (38) E.I.F.S. (MINIMUM ON APPROVED DRAINAGE MAT ON APPROVED VAPOR BARRIER AS PER O.B.C. 9.27.3, ON EXTERIOR TYPE RIB INSULATION JOINTS (UNFINISHED) 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 CONSOLE			
STUCCO FINISH CONFORMING TO O.B.C. SECTION 9.28, AND APPLIED PER MANUFACTURER'S SPECIFICATIONS OVER 1 1/2" (38) E.I.F.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.)			

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)			
2-20M BARS IN TOP PORTION OF WALL (8'-0" TO 12'-0" OPENING)			
2-20M BARS IN TOP PORTION OF WALL (12'-0" TO 15'-0" OPENING)			
- BARS STACKED VERTICALLY AT INTERIOR FACE OF WALL @ 6" O.C.			
REINFORCING AT BASEMENT WINDOWS			
2-15M HORIZ. REINFORCING ON THE INSIDE AND OUTSIDE FACE OF THE FOUNDATION WALL BELOW THE WIN. SILL, EXTEND BARS 2' (610) BEYOND THE OPENING, 2-15M VERTICAL REINFORCING ON THE INSIDE AND OUTSIDE FACE OF THE FOUNDATION WALL ON EACH SIDE OF THE WINDOW OPENING.			
- BARS TO HAVE MIN. #1 (25) CONC. COVER			
- BARS TO EXTEND 2'-0" (610) BEYOND BOTH SIDES OF OPENING			

STUD WALL REINFORCEMENT			
PROVIDE STUD WALL REINFORCEMENT IN MAIN BATHROOM CONFORMING TO O.B.C. (9.5.2.3.11) (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), 9.14.6.3.2)			

SLOPED CEILING CONSTRUCTION (SB-12) 3.1.1.8, 9.14.6.3.2)			
2x12" (38x286) ROOF JOISTS @ 16" (406) O.C. MAX, UNLESS OTHERWISE NOTED W/ 2x2" (38x89) 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).			

FLAT ROOF/BALCONY CONSTRUCTION			
WATERPROOFING MEMBRANE (9.26.11, 9.26.15, 9.26.16) FULLY ADHERED TO 5/8" (15.9) 116G EXTERIOR GRADE PLYWOOD SHEATHING ON 2x2" (38x38) PURLINS ANGLED TOWARDS SCUPPER @ 2% MINIMUM LAID PERPENDICULAR TO 2x6" (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, PRE-FINISHED ALUMINUM OR PANEL FOR UNDERSIDE OF SOFFIT (9.23.2.3), REMOVE CURB WHERE REQ.			

BALCONY CONDITION			
SEE FLAT ROOF/BALCONY CONSTRUCTION NOTE, INCLUDE 2x4" (38x89) PT. DECKING W/ 1/4" (6.4) GAPS LAID FLAT PARALLEL TO JOISTS ON 2x4" (38x89) FT. SLEEPERS @ 12" (305) O.C. LAID FLAT PARALLEL 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			
CANTILEVERED 2x4" (38x89) SPACERS LAID FLAT ON 2x10" (38x235) SPLY. 2ND 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)			

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			
ALLAN WHITING		23177	
DATE		BCIN	
REGISTRATION INFORMATION			
HUNT DESIGN ASSOCIATES INC.		19695	

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

SECTION 1.1. WALL STUDS

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

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

MIN. STUD SIZE	SUPPORT LOCATIONS (EXTERIOR)			
	ROOF W/ OR W/O ATTIC	ROOF W/ OR W/O ATTIC & 1 FLOOR ATTIC	ROOF W/ OR W/O ATTIC & 2 FLOOR ATTIC	ROOF W/ OR W/O ATTIC & 3 FLOOR ATTIC
2x4" (38x89)	24" (610)	16" (406)	12" (305)	N/A
2x6" (38x140)	9'-10" (3.0)	9'-10" (3.0)	9'-10" (3.0)	N/A
2x8" (38x140)	-	9'-10" (3.0)	16" (406)	12" (305)
2x10" (38x140)	-	9'-10" (3.0)	11'-10" (3.6)	5'-11" (1.8)

SECTION 2.0. GENERAL NOTES

2.1. WINDOWS

1) EXCEPT WHERE A DOOR ON THE SAME FLOOR LEVEL AS THE BEDROOM PROVIDES DIRECT ACCESS TO THE EXTERIOR, EVERY FLOOR LEVEL CONTAINING A BEDROOM IS TO HAVE AT LEAST ONE OUTSIDE WINDOW W/ MIN. 0.35m2 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 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" (600) (3'-4" (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. L-VALUE REQUIREMENTS

2.2. CEILING HEIGHTS	
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 8'-6"
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 9.3.2.4, WHEN A HRV IS REQUIRED, CONFORM TO 9.3.2.3.1, 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 L-FLASH 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 (4386) ROLL ROOFING OR OTHER DAMPROOFING MATERIAL, EXCEPT WHERE THE WOOD MEMBER IS AT LEAST 8" (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 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)

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

2.9. GRADING

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

2.10. ULC SPECIFIED ASSEMBLIES

ALL REQUIRED INDIVIDUAL COMPONENTS THAT FORM PART OF ANY ULC LISTED ASSEMBLY, SPECIFIED WITHIN THESE DRAWINGS, CANNOT BE ALTERED OR SUBSTITUTED FOR ANY OTHER MATERIALS 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 LUMBERS AND BUILT-UP A15 & A16

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

FORMING PART OF SENTENCE 9.23.4.2(3), 9.23.4.2(4), 9.23.12.3(1), (3), 9.23.13.2(2), 9.37.3.1(1)

2"x6" SPRUCE #2	2"x10" SPRUCE #2	2"x12" SPRUCE #2
L1 2'2"x6" (238x184)	L3 2'2"x10" (238x235)	L5 2'2"x12" (238x286)
B1 3'2"x6" (338x184)	B3 3'2"x10" (338x235)	B5 3'2"x12" (338x286)
B2 4'2"x6" (438x184)	B4 4'2"x10" (438x235)	B6 4'2"x12" (438x286)
B7 5'2"x6" (538x184)	B8 5'2"x10" (538x235)	B9 5'2"x12" (538x286)

ENGINEERED LUMBER SCHEDULE - GRADE 2.0E (UNLESS NOTE OTHERWISE)

CODE	SIZE	BRICK	STONE
L7	3 1/2" x 3 1/2" x 1 1/4" (89 x 89 x 6.4)	8"-1" (2,47mm)	7"-6" (2,30mm)
L8	4" x 3 1/2" x 1 1/4" (102 x 89 x 6.4)	8"-1" (2,48mm)	
L9	4 7/8" x 3 1/2" x 5/16" (127 x 89 x 7.9)	10"-10" (3,31mm)	10"-1" (3,03mm)
L10	4 7/8" x 3 1/2" x 3/8" (127 x 89 x 11)	11"-8" (3,48mm)	10"-7" (3,24mm)
L11	5 7/8" x 3 1/2" x 3/8" (152 x 89 x 11)	12"-6" (3,82mm)	11"-5" (3,54mm)
L12	7 1/8" x 4" x 3/8" (178 x 102 x 11)	14"-1" (4,30mm)	13"-1" (3,99mm)

3.2. STEEL LUMBS SUPPORTING MASONRY VENEER

(DIVISION B PART 9, TABLE 9.20.5.2.B)

FORMING PART OF SENTENCE 9.20.5.2(2) & 9.23.5.2(3)

CODE	SIZE	BRICK	STONE
L7	3 1/2" x 3 1/2" x 1 1/4" (89 x 89 x 6.4)	8"-1" (2,47mm)	7"-6" (2,30mm)
L8	4" x 3 1/2" x 1 1/4" (102 x 89 x 6.4)	8"-1" (2,48mm)	
L9	4 7/8" x 3 1/2" x 5/16" (127 x 89 x 7.9)	10"-10" (3,31mm)	10"-1" (3,03mm)
L10	4 7/8" x 3 1/2" x 3/8" (127 x 89 x 11)	11"-8" (3,48mm)	10"-7" (3,24mm)
L11	5 7/8" x 3 1/2" x 3/8" (152 x 89 x 11)	12"-6" (3,82mm)	11"-5" (3,54mm)
L12	7 1/8" x 4" x 3/8" (178 x 102 x 11)	14"-1" (4,30mm)	13"-1" (3,99mm)

3.3. DOOR SCHEDULE

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

INTERIOR DOOR HIGH FOR ALL 1'0" CEILING CONDITIONS

3.4. ACRONYMS

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