



ELEVATION 'A'

UNIT 5011MOD-LOT 69 -'THE TIMBERLAND'

SB-12 ENERGY EFFICIENCY DESIGN MATRIX

PRESCRIPTIVE COMPLIANCE	SB-12 (SECTION 3.1.1) TABLE 3.1.1.2.A	
	SPACE HEATING FUEL	
PACKAGE A1	<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	3.52 ci
* PROPOSED VALUES MAY BE SUBSTITUTED W/ 2.11+1.76ci (R12+R10ci)	(R20 ci) *	(R20 ci) *
BELOW GRADE SLAB ENTIRE SURFACE > 600mm BELOW GRADE	-	-
EDGE OF BELOW GRADE SLAB ≤ 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

AREA CALCULATIONS	EL. 'A'
GROUND FLOOR AREA	STD. PLAN 1958 sq. ft. (181.90 sq. m.)
SECOND FLOOR AREA	2544 sq. ft. (236.35 sq. m.)
SUBTOTAL	4502 sq. ft. (418.25 sq. m.)
DEDUCT ALL OPEN AREAS	277 sq. ft. (25.73 sq. m.)
TOTAL NET AREA	4225 sq. ft. (392.52 sq. m.)
FINISHED BASEMENT AREA	146 sq. ft. (13.56 sq. m.)
COVERAGE W/OUT PORCH	2586 sq. ft. (240.25 sq. m.)
COVERAGE W/ PORCH	2700 sq. ft. (250.84 sq. m.)
COVERAGE W/ OPT. LOGGIA	2970 sq. ft. (275.92 sq. m.)
WINDOW / WALL AREA CALCULATIONS	EL. 'A'
GROSS WALL AREA	STD. PLAN 4711.67 sq. ft. (437.73 sq. m.)
GROSS WINDOW AREA (INCL. GLASS DOORS & SKYLIGHTS)	598.39 sq. ft. (55.59 sq. m.)
TOTAL WINDOW %	12.70 %

- 1 - TITLE PAGE
- 2 - BASEMENT PLAN EL. 'A'
- 3 - GROUND FLOOR PLAN EL. 'A'
- 4 - SECOND FLOOR PLAN EL. 'A'
- 5 - FRONT ELEVATION 'A'
- 6 - LEFT SIDE ELEVATION 'A'
- 7 - RIGHT SIDE ELEVATION 'A'
- 8 - REAR ELEVATION 'A'
- 9 - CROSS SECTION 'A-A'
- 10 - CONSTRUCTION NOTES

7. -	-	-
6. -	-	-
5. -	-	-
4. -	-	-
3. -	-	-
2. REVISED PER STRUCT. ENG. COMMENTS & ISSUED FOR PERMIT	2022.10.11	AW
1. ISSUED FOR ENG. STRUCT. REVIEW	2022.09.14	AW
REVISIONS	DATE (YYYYMMDD)	BY



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

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

APPROVED BY:   
DATE: OCT 12, 2022

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

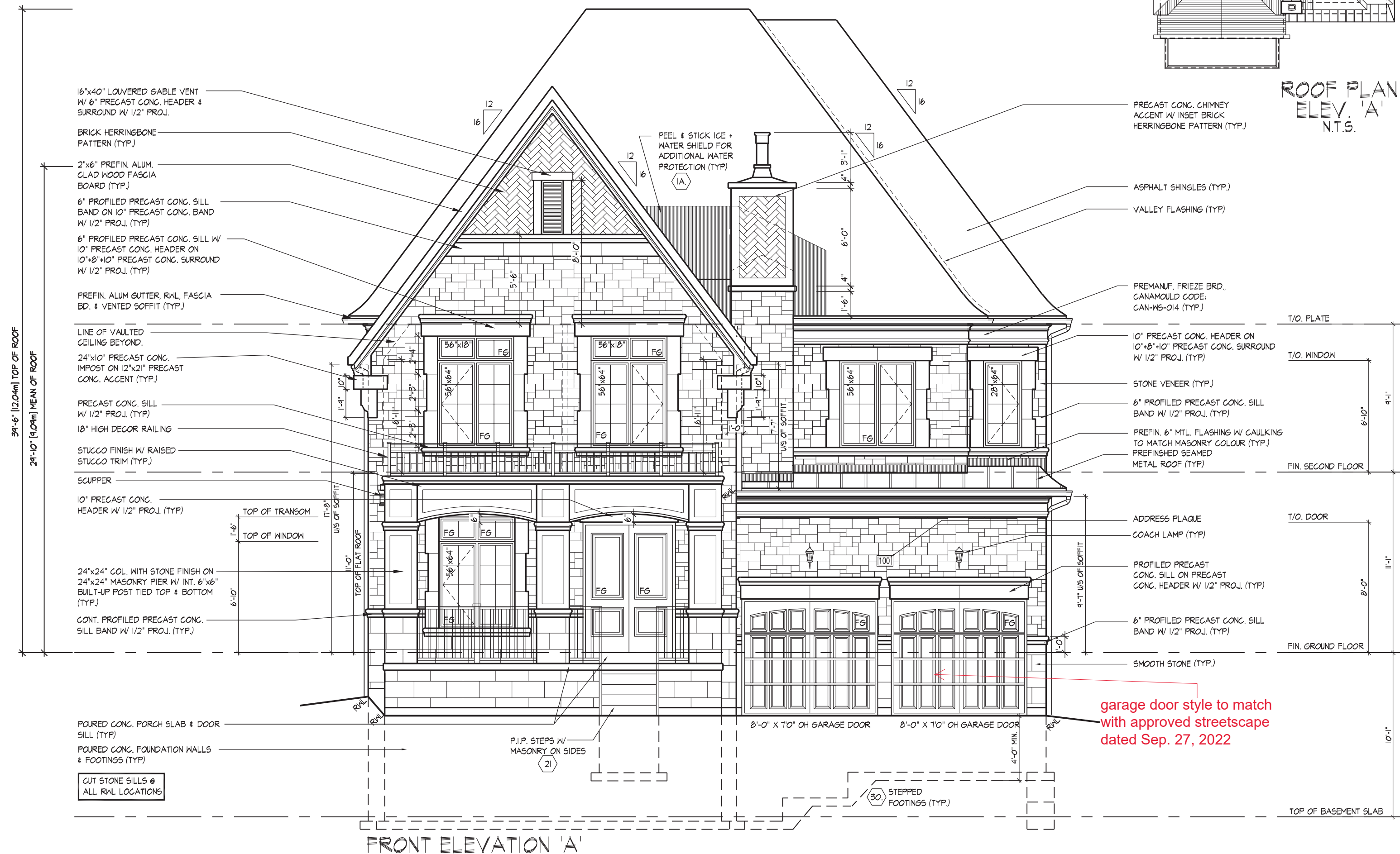












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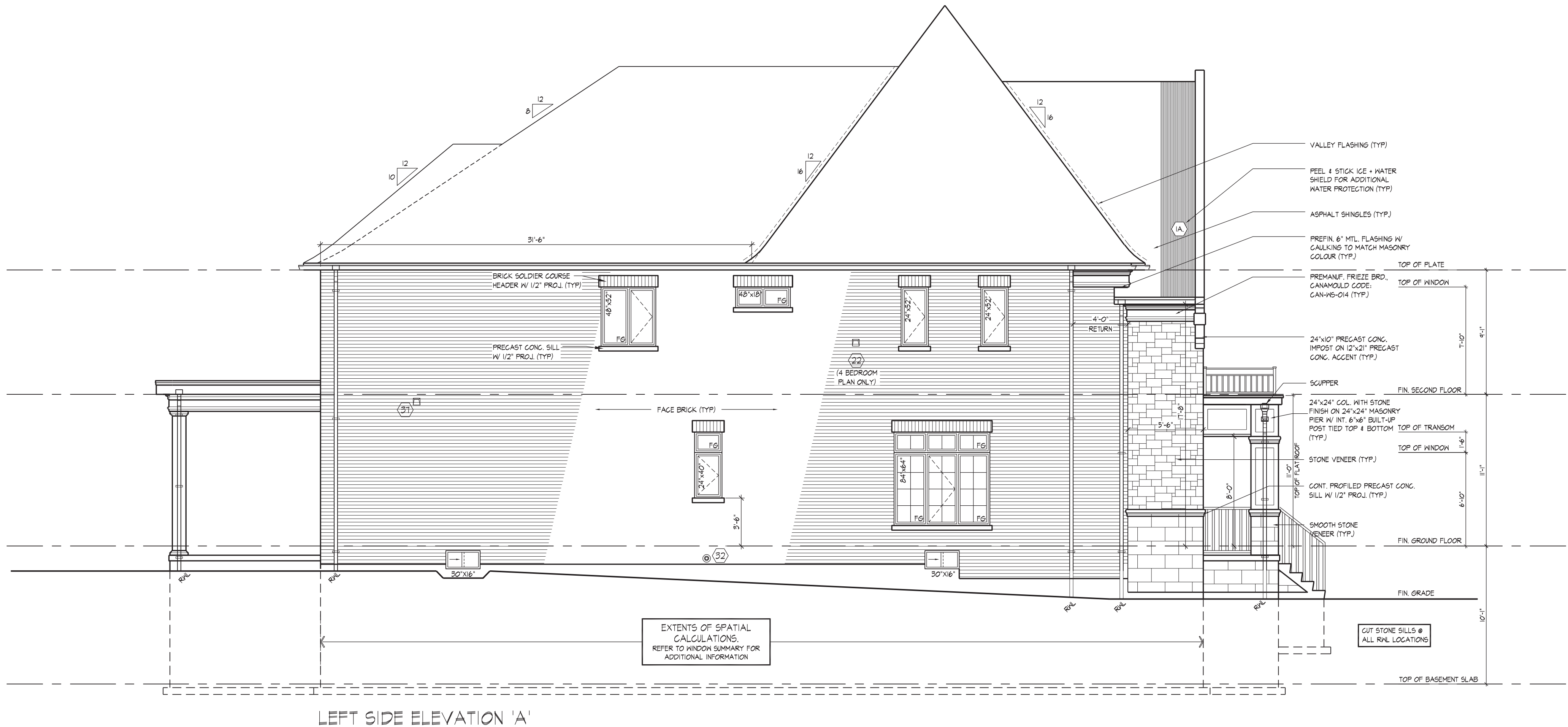
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REFER TO FRONT  
ELEVATION FOR TYPICAL  
NOTES & INFORMATION

ROOF OVERHANGS TO BE 15"  
UNLESS NOTED OTHERWISE

WINDOW SUMMARY			
PER O.B.C. TABLE 9.10.15.4			
LEFT SIDE ELEVATION A			
QUAN.	WIDTH	DEPTH	WINDOW / DOOR FRAME SIZE (S.F.)
1	48"	52"	14.67
1	48"	18"	4.28
2	24"	52"	13.33
1	24"	40"	5.00
1	24"	18"	1.94
1	84"	64"	33.33
1	84"	18"	7.78
2	30"	18"	4.33
0	0"	0"	0.00
0	0"	0"	0.00
0	ARCH	0.00	0.00
0	ARCH	0.00	0.00
0	ARCH	0.00	0.00
0	ARCH	0.00	0.00
SPATIAL CALCULATION			
EXPOSING BUILDING	1405.25	S.F.	
FACE AREA	130.55	S.M.	
PORTION WALL AREA	1405.25	S.F.	
	130.55	S.M.	
LIMITING DISTANCE	1.2 m		
MAX. % OPENINGS	7	%	
OPENINGS ALLOWED	98.37	S.F.	
OPENINGS PROVIDED	94.61	S.F.	
ADDITIONAL NOTES			
GLAZED AREA CALCULATED W/ FRAME SIZE MINUS 2" AROUND ENTIRE PERIMETER			

WINDOW SUMMARY			
PER O.B.C. TABLE 9.10.15.4			
OPT. LEFT SIDE ELEV A (5 BED)			
QUAN.	WIDTH	DEPTH	WINDOW / DOOR FRAME SIZE (S.F.)
1	48"	52"	14.67
1	48"	18"	15.88
2	24"	52"	13.33
1	24"	40"	5.00
1	24"	18"	1.94
1	84"	64"	33.33
1	84"	18"	7.78
2	30"	18"	4.33
0	0"	0"	0.00
0	0"	0"	0.00
0	ARCH	0.00	0.00
0	ARCH	0.00	0.00
0	ARCH	0.00	0.00
0	ARCH	0.00	0.00
SPATIAL CALCULATION			
EXPOSING BUILDING	1405.25	S.F.	
FACE AREA	130.55	S.M.	
PORTION WALL AREA	1405.25	S.F.	
	130.55	S.M.	
LIMITING DISTANCE	1.2 m		
MAX. % OPENINGS	7	%	
OPENINGS ALLOWED	98.37	S.F.	
OPENINGS PROVIDED	95.26	S.F.	
ADDITIONAL NOTES			
GLAZED AREA CALCULATED W/ FRAME SIZE MINUS 2" AROUND ENTIRE PERIMETER			



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AND APPROVAL  
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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 ONTARIO BUILDING CODE TO BE A DESIGNER.  
QUALIFICATION INFORMATION  
Albin Whiting  
SIGNATURE:   
REGISTRATION INFORMATION  
HUNT DESIGN ASSOCIATES INC.  
19695

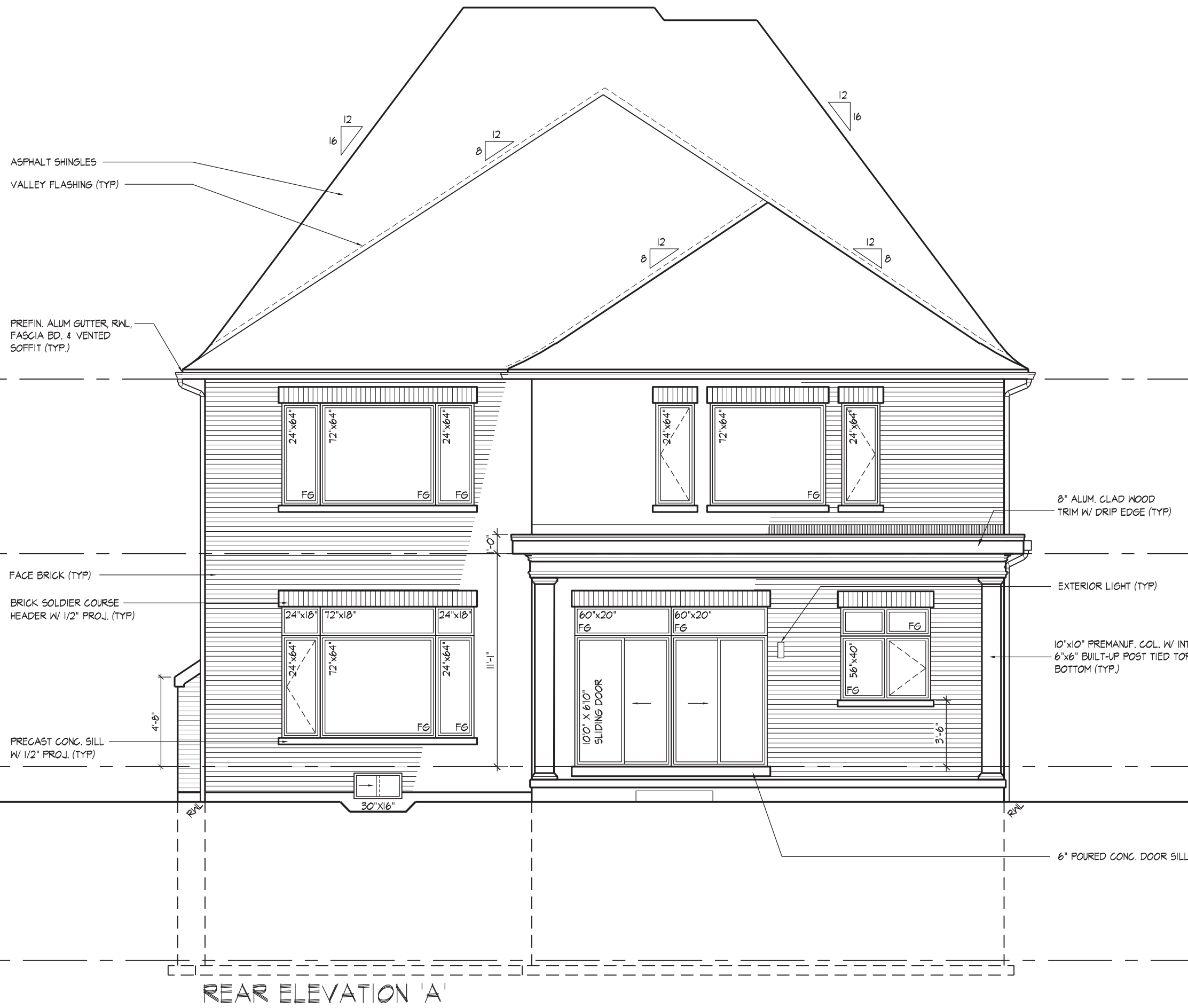
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GOLDPARK HOMES - 221081  
PINE VALLEY, PH.2 VAUGHAN ONT.  
Down By: JMc  
Checked By: AW  
Scale: 3/16"=1'-0"  
8966 Woodbine Ave, Markham, ON L3R 0J7  
T 905.737.5133 F 905.737.7326

LEFT SIDE ELEVATION 'A'  
TIMBERLAND-5011MOD-LOT 69  
REV.2022.10.11  
221081WS5011MOD-LOT 69  
6 of 10








WINDOW SUMMARY				
PER O.B.C. TABLE 9.10.15.4				
REAR ELEVATION				
QTY	WIDTH	HEIGHT	REF	WINDOW / DOOR FRAME SIZE (S.F.)
6	24"	64"		50.00
3	72"	64"		65.00
2	24"	18"		3.89
1	72"	18"		6.81
2	60"	20"		12.44
2	60"	82"		69.87
1	56"	40"		13.00
1	56"	18"		5.06
0	0"	0"		0.00
0	0"	0"		0.00
0	ARCH			0.00
0	ARCH			0.00
0	ARCH			0.00
0	ARCH			0.00
SPATIAL CALCULATION				
EXPOSING BUILDING	914.83	S.F.		
FACE AREA	84.99	S.M.		
PORTION WALL AREA	914.83	S.F.		
	84.99	S.M.		
LIGHTING DISTANCE	6.0 m			
MAX. % OPENINGS	34	%		
OPENINGS ALLOWED	311.04	S.F.		
OPENINGS PROVIDED	236.67	S.F.		
ADDITIONAL NOTES				
GLAZED AREA CALCULATED W/ FRAME SIZE MINUS 2" AROUND ENTIRE PERIMETER				

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QUALIFICATION INFORMATION  
Albin Whiting  
SIGNATURE:  BCIN 23177  
NAME: ALBIN WHITING  
REGISTRATION INFORMATION: HUNT DESIGN ASSOCIATES INC. 19995

HUNT DESIGN ASSOCIATES INC.  
www.huntdesign.ca

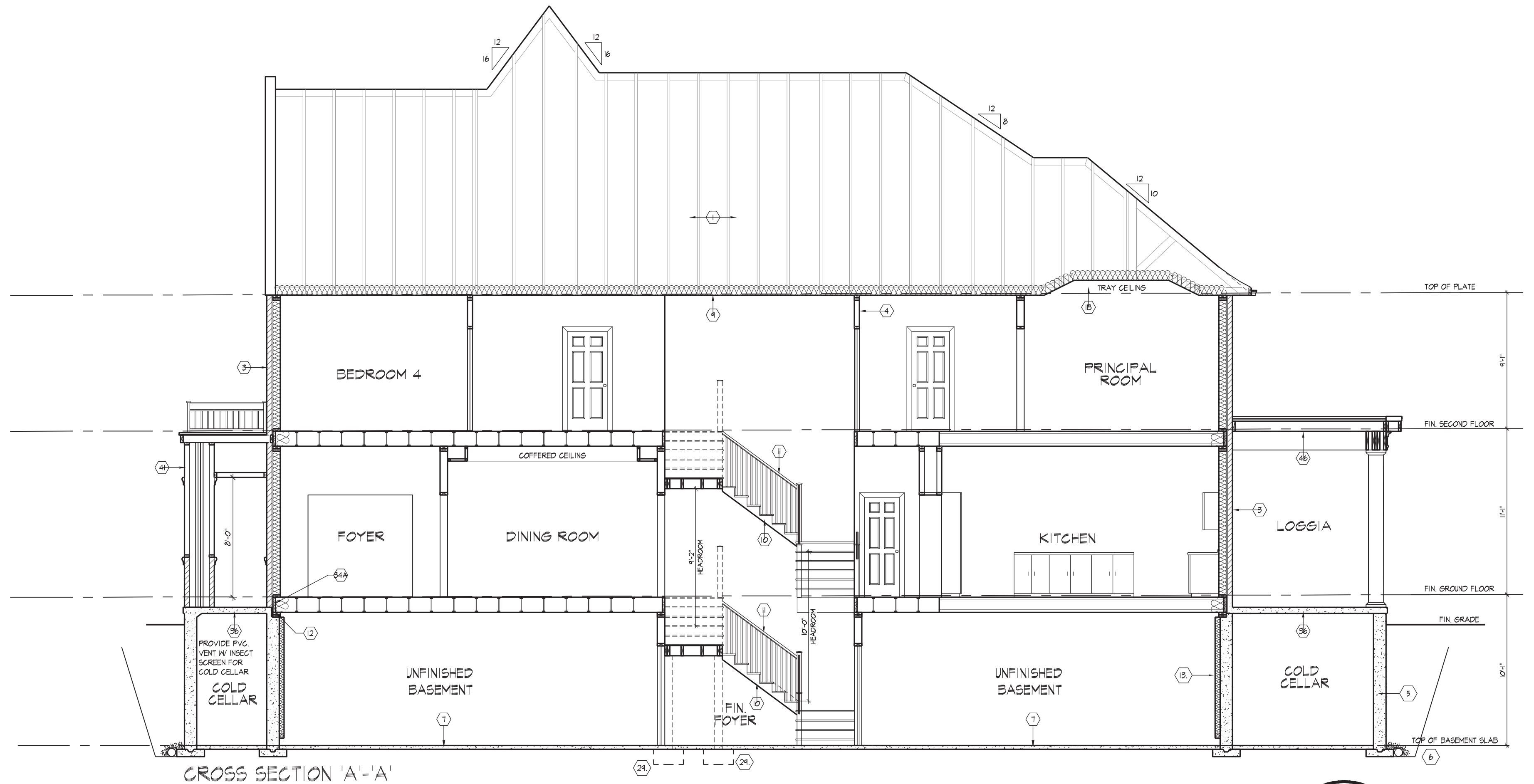
GOLDPARK HOMES - 221081  
PINE VALLEY, PH.2 VAUGHAN ONT.  
Down By: JMc  
Checked By: AW  
Scale: 3/16"=1'-0"  
File Number: 221081WS5011MOD-LOT 69  
Page Number: 8 of 10

REAR ELEVATION 'A'  
TIMBERLAND-5011MOD-LOT 69  
REV.2022.10.11

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**wsp**

100 COMMERCIAL VALLEY DR. W.  
THORNHILL, ONTARIO CANADA L3T 0A1  
TEL: 1-905-882-4211 FAX: 1-905-822-0056 WWW.WSPGROUP.CA

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

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QUALIFICATION INFORMATION  
NAME: **Alvin Whiting** SIGNATURE: *AW* BCIN: 23177

REGISTRATION INFORMATION  
HUNT DESIGN ASSOCIATES INC. 19995

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**GOLDPARK HOMES - 221081**  
PINE VALLEY, PH.2 VAUGHAN ONT.

Drawn By: **JMc** Checked By: **AW** Scale: **3/16" = 1'-0"**

File Number: **221081WS5011MOD-LOT 69**

Page Number: **9 of 10**

**CROSS SECTION 'A'-A'**

**TIMBERLAND-5011MOD-LOT 69**  
REV.2022.10.11

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 **ROOF CONSTRUCTION** (9.19., 9.23.13., 9.23.15.)

- \* 9" MIN. THICK FOUNDATION WALL IS REQUIRED FOR MASONRY VENEER  
FINISHED EXTERIOR WALLS WITH CONTINUOUS INSULATION CONDITION. TO  
PROVIDE MIN. BEARING FOR SLT PLATES, BEAMS AND FLOOR JOIST AS PER  
9.23.2.7, 9.23.8.1, & 9.23.9.1. OF THE O.B.C.
- | MINIMUM STRIP FOOTING SIZES (9.15.3.)<br>(BASED UPON 1000 PSF. OF FLOOR AREA) |   |                        |                         |  |
|---|---|------------------------|-------------------------|--|
| NUMBER FLOORS<br>SUPPORTED  | SUPPORTING<br>1' LAYER<br>MASONRY WALLS | SUPPORTING<br>EXTERIOR | SUPPORTING<br>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 8" THICK    | 24" WIDE x 8" THICK     |  |
| 3   | 36" WIDE x 14" THICK                    | 26" WIDE x 9" THICK    | 36" WIDE x 14" THICK    |  |

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QUALIFICATION INFORMATION
-   
SIGNATURE
- 23177  
BCIN

SECTION 1.1 WALL STUDS	3.3. DOOR SCHEDULE
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- REFER TO THIS CHART FOR STUD SIZE & SPACING AS REQUIRED FOR EXTERIOR

- ## SECTION 2.0. GENERAL NOTES

## 2.1. WINDOWS

- ### 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 (WALL OR EXHAUST) IS REQUIRED CONFORM TO 9.3.23.1.1. REFER TO MECHANICAL DRAWINGS.
- 2) REFER TO HOT WATER TANK MANUFACTURER SPECS. CONFORM TO OBC 9.3.1.6.
- 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.

- 2.5. STEEL** (9.23.4.3).  
1) STRUCTURAL STEEL SHALL CONFORM TO CAN/CSA-G40-21 GRADE 350W. HOLO STEEL SHEET PILING SHALL CONFORM TO CAN/CSA-G40-21 GRADE 350W CLASS "H".  
2) REINFORCING STEEL SHALL CONFORM TO CSA-G30-18M GRADE 40R.
- 2.6. FLAT ARCHES**  
1) FOR 8'-0" (2440) CEILINGS, FLAT ARCHES SHALL BE 1'-0" (2000) A.F.F.  
2) FOR 9'-0" (2740) CEILINGS, FLAT ARCHES SHALL BE 7'-0" (2400) A.F.F.  
3) FOR 10'-0" (3040) CEILINGS, FLAT ARCHES SHALL BE 8'-0" (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 INSULATION COMPONENTS THAT FORM PART OF ANY ULC LISTED ASSEMBLY, SPECIFIED IN THESE DRAWINGS, CANNOT BE ALTERED OR SUBSTITUTED FOR ANY OTHER MATERIAL, PRODUCT OR SPECIFIED MANUFACTURER THAT IS IDENTICAL TO THAT SPECIFIED ULC LISTING. THERE SHALL BE NO DEVIATIONS UNDER ANY CIRCUMSTANCES IN ANY ULC LISTED ASSEMBLY IDENTIFIED IN THESE DRAWINGS.

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

- HUNT**   
DESIGN ASSOCIATES INC.
- GOLDPARK**  
PINE VALLEY
- Drawn By  
JMc

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

- ### 3.4. ACRONYMS

JUST	JOIST
------	-------

- ### 3.5. SYMBOLS

ALL BE INSTALLED IN ACCORDANCE WITH SECTION 9.34.

- SA **SMOKE ALARM** (9.10.19.)

CTING HALLWAYS AND WIRED TO BE INTERCONNECTED  
IF SOUNDS, ALARMS ARE TO BE CONNECTED TO AN

- ## SECTION 4.0. CLIMATIC DATA

DESIGN SNOW LOAD (9.4.2.2.): 1.01 kPa  
WIND PRESSURE (1.50) (9.4.2.3): 0.14 kPa

- CONSTRUCTION NO.**  
**HOMES - 221081**  
**TH.2 VAUGHAN ONT.**  
**TIMBERLAND-5011MOD-L**  
**REV.2022**

Drawn By	Scale	File Number	
W	3/16"=1'-0"	221081WS5011MOD-LOT 69	10