



ELEVATION 'A'



ELEVATION 'B'

## 'UNIT - 2504' - END

### SB-12 ENERGY EFFICIENCY DESIGN MATRIX

#### PERFORMANCE COMPLIANCE

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	PROPOSED
INSULATION RSI (R) VALUE	
CEILING W/ ATTIC SPACE	10.56 (R60)
CEILING W/O ATTIC SPACE	5.46 (R31)
EXPOSED FLOOR	5.46 (R31)
WALLS ABOVE GRADE	3.87 (R22) + 1.5ci
BASEMENT WALLS	R20 Blanket or R12+R10ci
BELOW GRADE SLAB ENTIRE SURFACE > 600mm BELOW GRADE	-
EDGE OF BELOW GRADE SLAB ≤ 600mm BELOW GRADE	1.76 (R10)
HEATED SLAB ≤ 600mm BELOW GRADE	1.76 (R10)
CONC. SLAB ≤ 600mm BELOW GRADE	1.76 (R10)
WINDOWS & DOORS	
WINDOWS/SLIDING GLASS DOORS (MAX U-VALUE or MIN. ER)	1.6
SKYLIGHTS (MAX. U-VALUE)	2.8
APPLIANCE EFFICIENCY	
SPACE HEATING EQUIP. (AFUE%)	Combo 95% AFUE GLOW C140
HRV EFFICIENCY (%)	75%
DOMESTIC HOT WATER HEATER (EF)	0.84
DWHR UNIT (%)	53.3% ON 1 SHOWERS MIN.

AREA CALCULATIONS	EL. 'A'	EL. 'B'
END	END	
GROUND FLOOR AREA	929 sq. ft. (86.31 sq. m.)	929 sq. ft. (86.31 sq. m.)
SECOND FLOOR AREA	1113 sq. ft. (103.40 sq. m.)	1113 sq. ft. (103.40 sq. m.)
SUBTOTAL	2042 sq. ft. (189.71 sq. m.)	2042 sq. ft. (189.71 sq. m.)
DEDUCT ALL OPEN AREAS	0 sq. ft. (0.00 sq. m.)	0 sq. ft. (0.00 sq. m.)
TOTAL NET AREA	2042 sq. ft. (189.71 sq. m.)	2042 sq. ft. (189.71 sq. m.)
FINISHED BASEMENT AREA	0 sq. ft. (0.00 sq. m.)	0 sq. ft. (0.00 sq. m.)
COVERAGE W/OUT PORCH	1149 sq. ft. (106.75 sq. m.)	1149 sq. ft. (106.75 sq. m.)
COVERAGE W/ PORCH	1229 sq. ft. (114.18 sq. m.)	1229 sq. ft. (114.18 sq. m.)

- 1 - TITLE PAGE
- 2 - BASEMENT & GROUND FLOOR PLANS, ELEV. 'A'
- 3 - SCND FLOOR PLAN, ELEV. 'A' / OPT. SCND FLOOR PLAN ELEV. 'A' (W/ OPT/ 4 BDRM)
- 4 - PARTIAL FLOOR PLANS, ELEV 'B'
- 5 - FRONT/REAR ELEVATION 'A' / LEFT SIDE ELEV. 'A'
- 6 - OPT. LEFT / RIGHT SIDE ELEVATION 'A'
- 7 - FRONT & REAR ELEV. 'B' / LEFT SIDE ELEV. 'B'
- 8 - OPT. LEFT SIDE ELEV. 'B' / RIGHT SIDE ELEVATION 'B'
- 9 - CROSS SECTION 'A-A' & WALK-OUT DECK CONDITION
- 10 - CONSTRUCTION NOTES



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FLOOR OR ROOF SYSTEM



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	2023/02/14	MM
3. REVISED AS PER ROOF TRUSS MANUFACTURE PLANS	2022/06/15	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

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QUALIFICATION INFORMATION  
Derek R. Santos  
SIGNATURE  
BCIN  
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19695

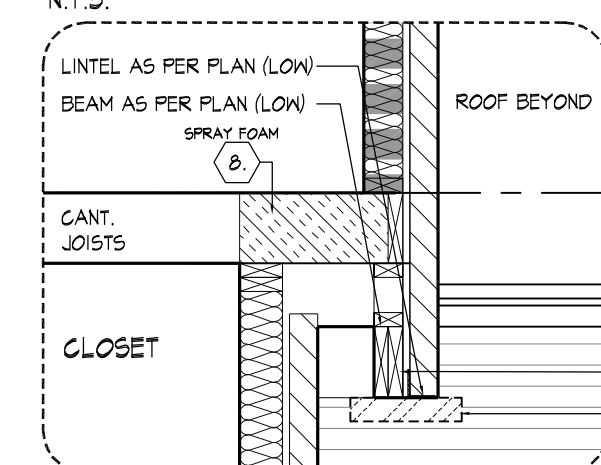
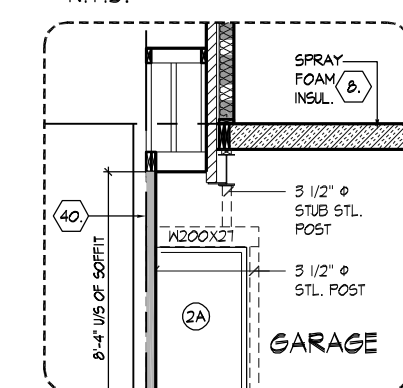
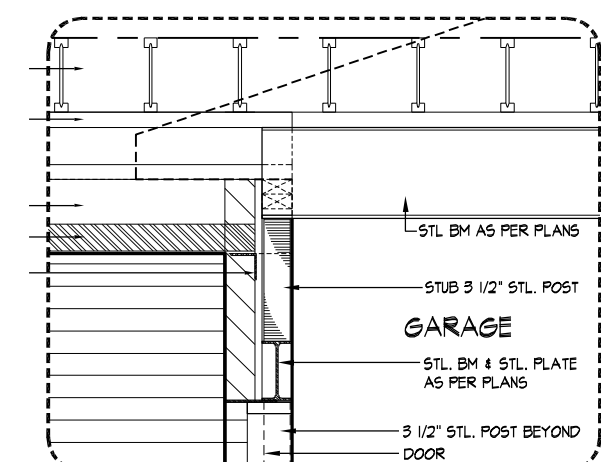
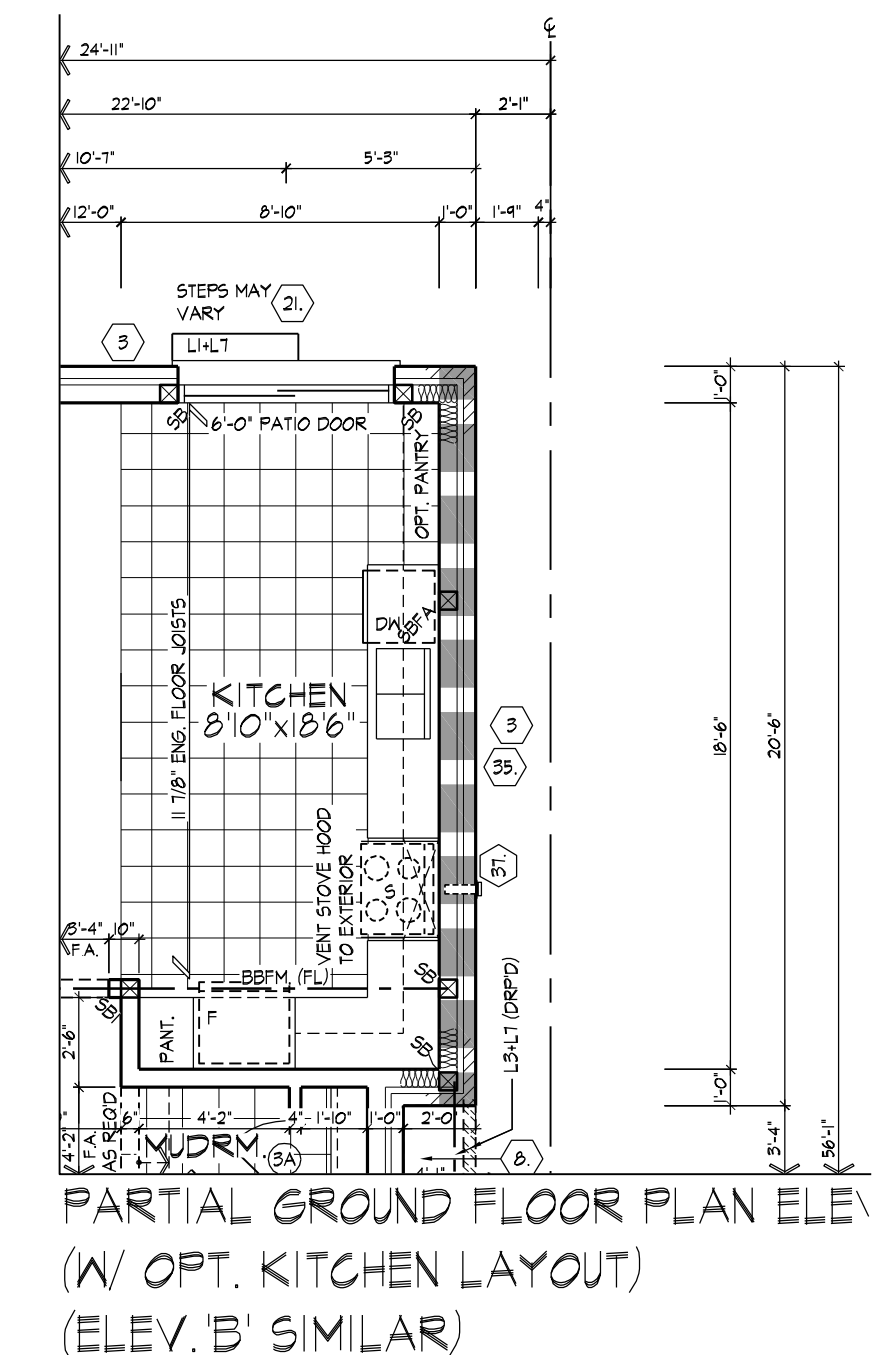
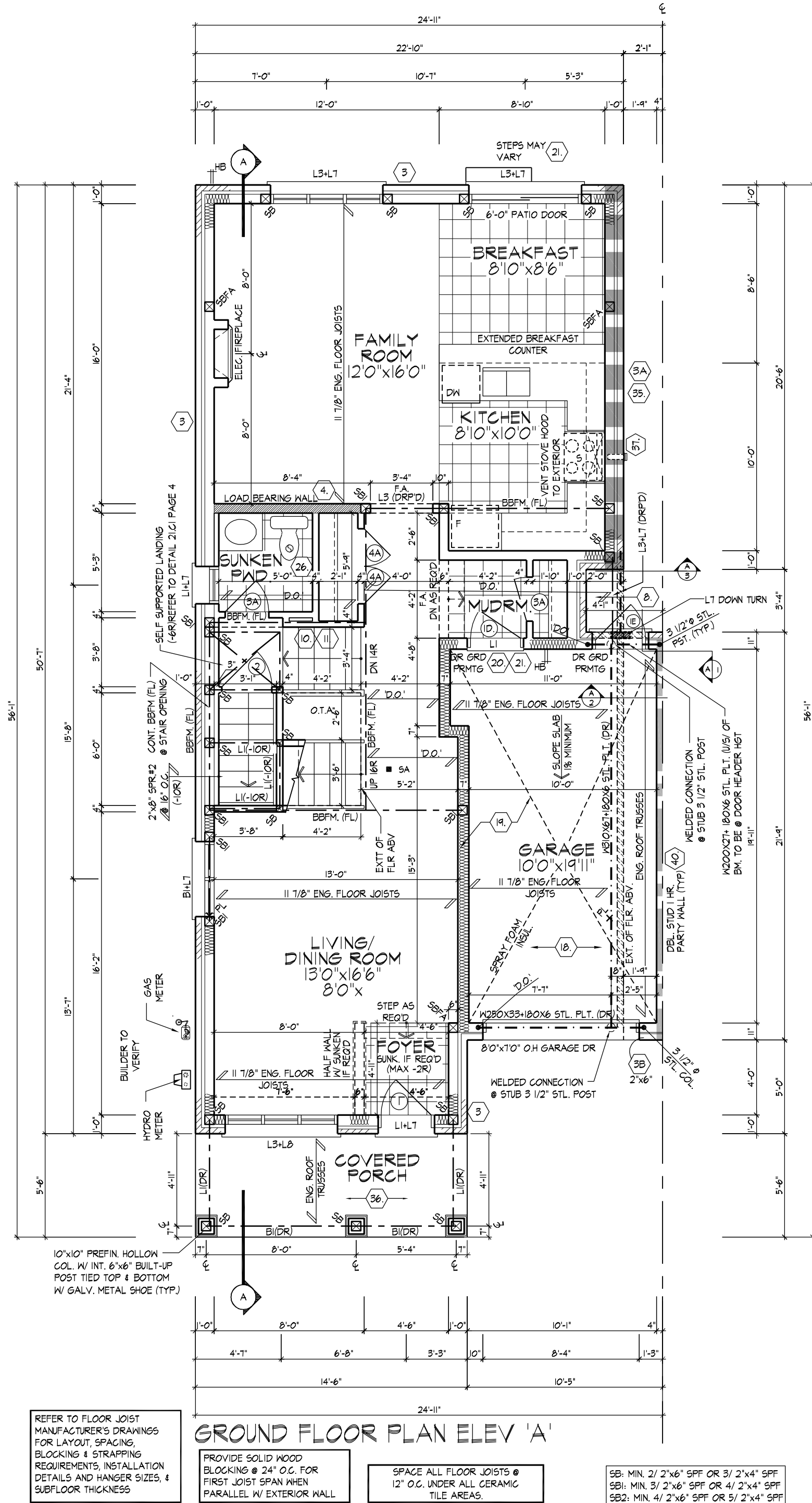
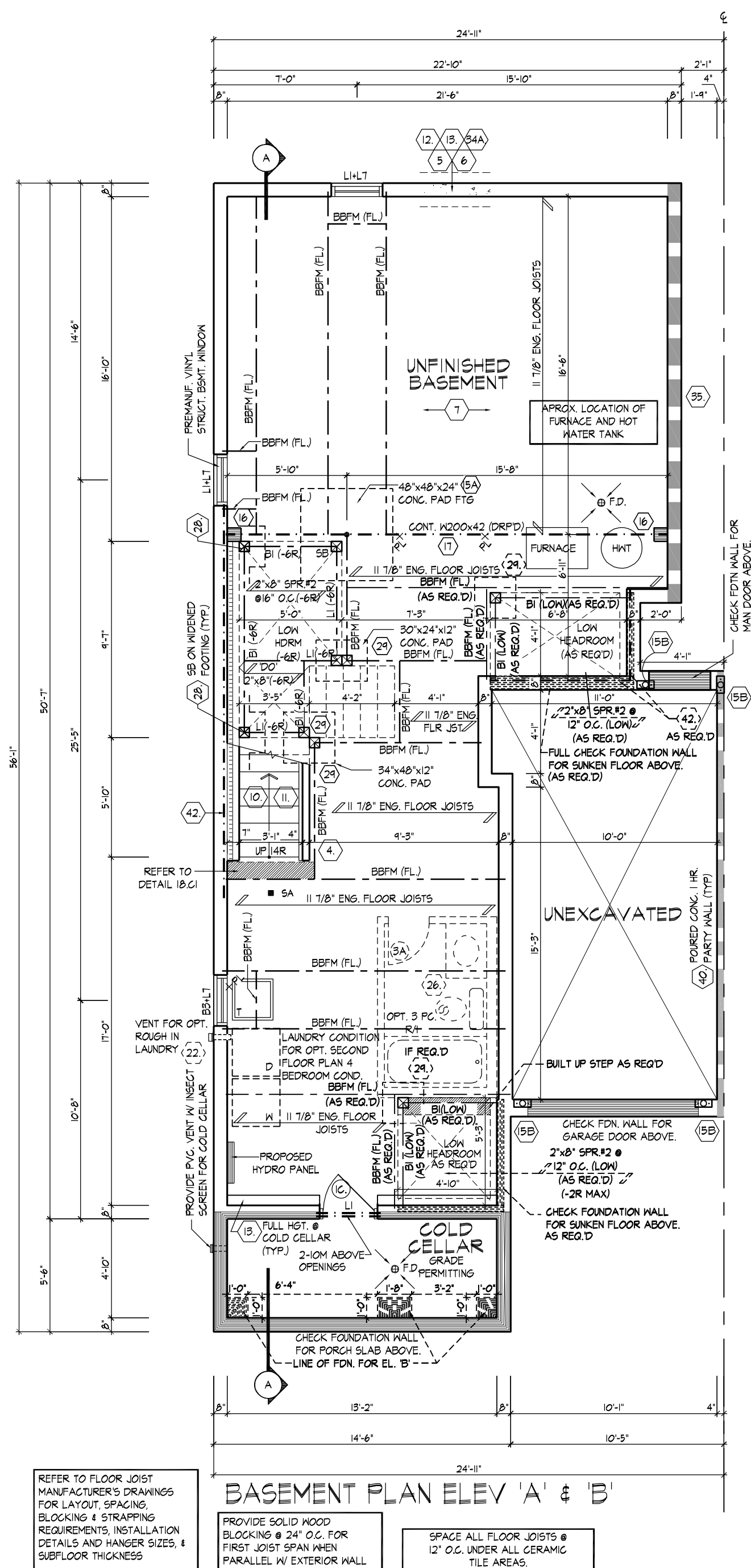
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ROYAL PINE HOMES - 216051  
"LEAFTRAIL HOLDINGS", BRAMPTON ONTARIO  
Down By JMc  
Checked By VL  
Scale 3/16"=1'-0"  
File Number 216051WS2504  
T 905.737.5133 F 905.737.7326

TITLE PAGE  
'UNIT - 2504'  
REV.2023.02.14

Page Number  
1 of 10

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-DOWNTURNED L7 BEYOND

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MAR. 28. 2023

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NAME	SIGNATURE	BCIN

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UNIT REGION ASSOCIATES INC	10695

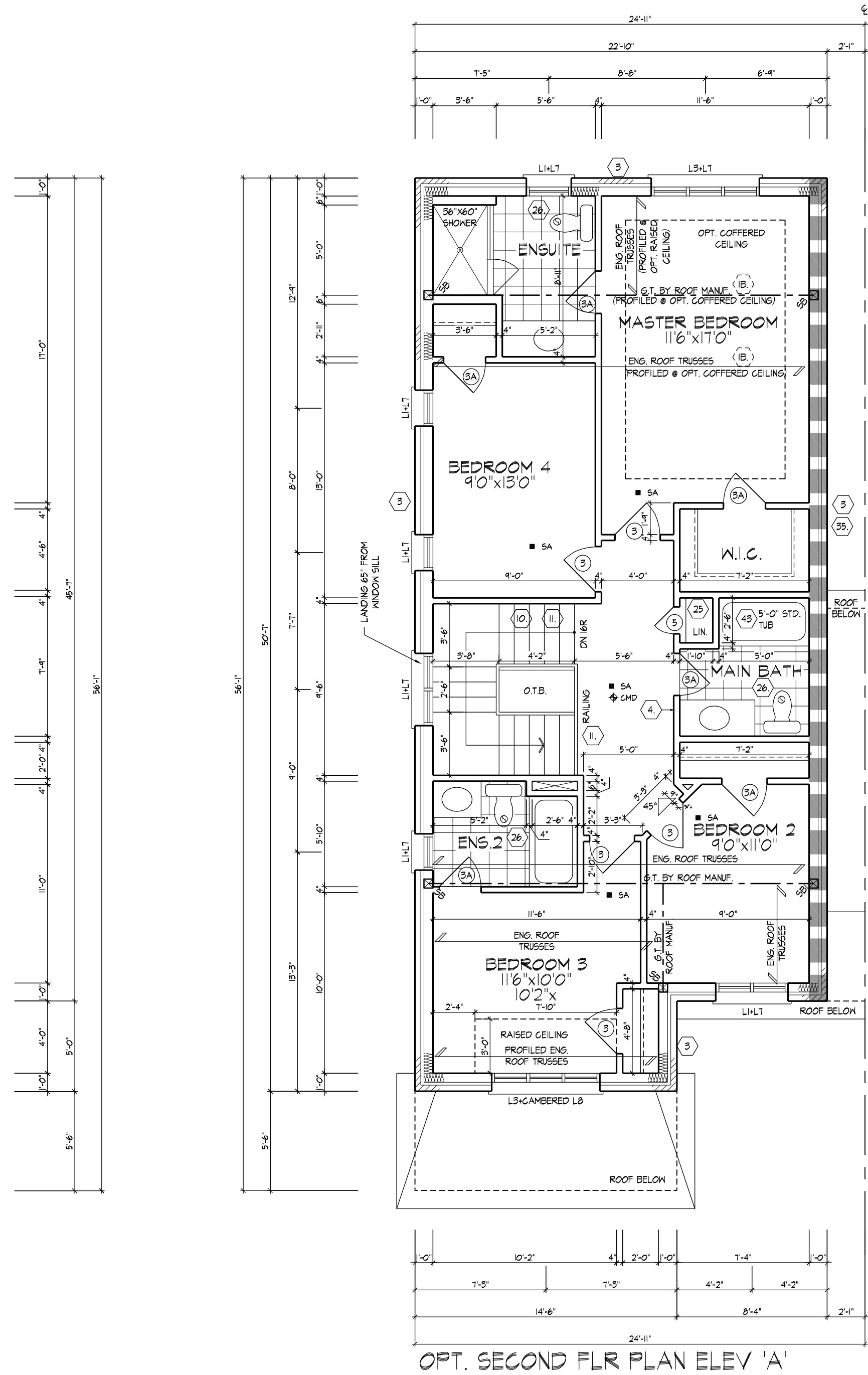
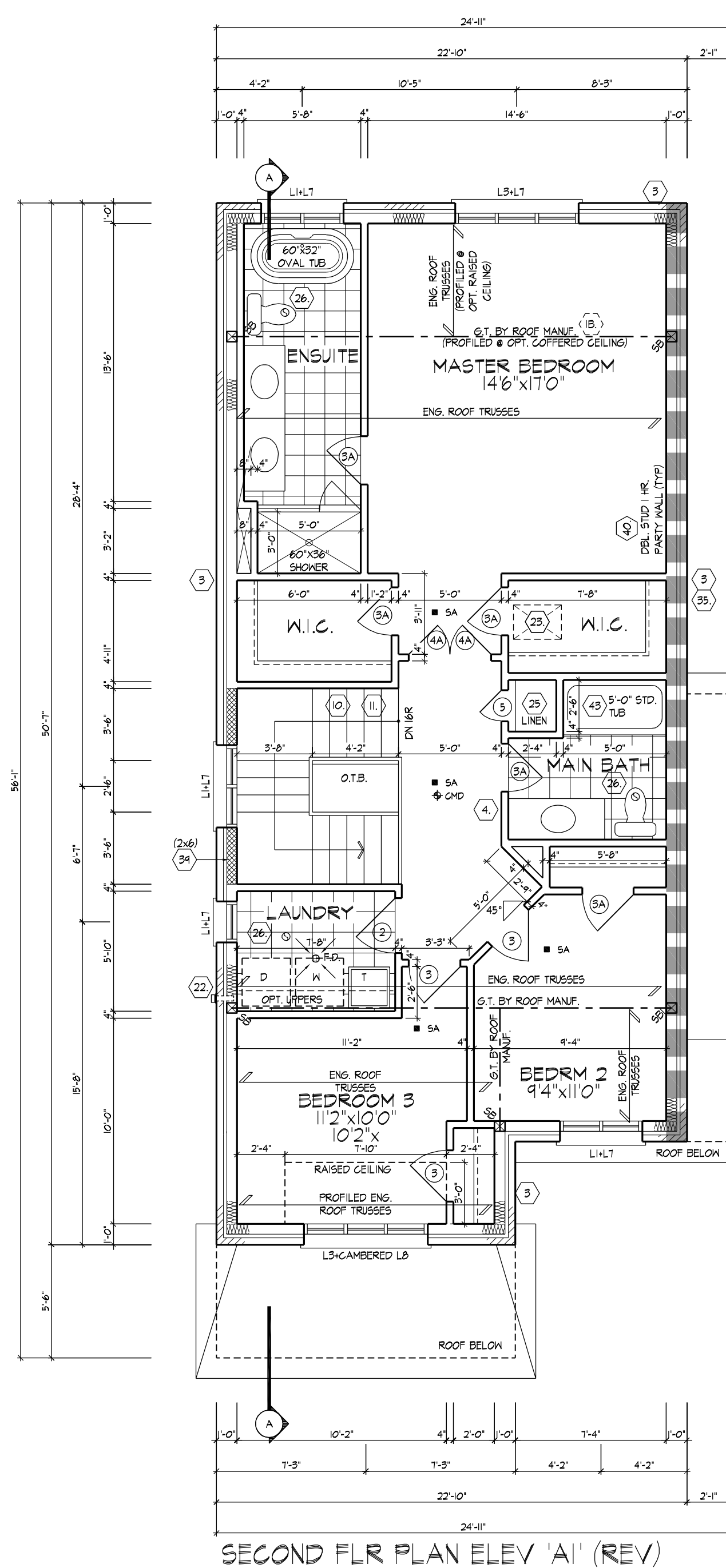
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**BASEMENT & GROUND FLOOR PLANS, ELEV. 'A'**  
**ROYAL PINE HOMES - 216051** **'UNIT - 2504'**  
 "LEAFTRAIL HOLDINGS", BRAMPTON ONTARIO REV.2023.02.14

Drawn By	Checked By	Scale	File Number	Page Number
JMc	VL	3/16"=1'-0"	216051WS2504	2 of 10





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

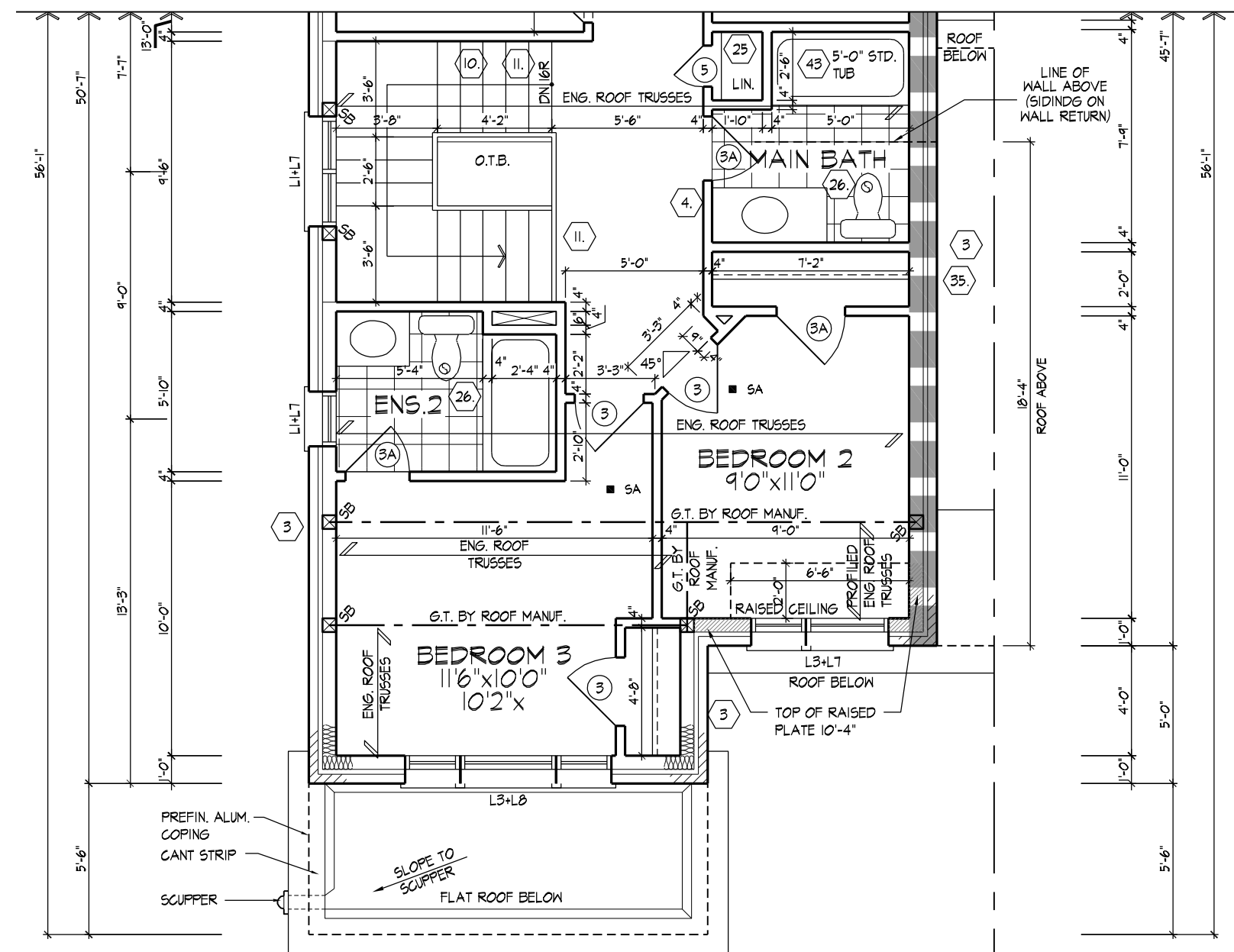


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 NAME: Derek R. Santos  
 REGISTRATION INFORMATION: 37308  
 SIGNATURE: *[Signature]*  
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SCND FLOOR PLAN, ELEV. 'A' / OPT. SCND FLOOR PLAN ELEV. 'A' (W/ OPT/ 4 BEDROOM)  
 ROYAL PINE HOMES - 216051  
 "LEAFTRAIL HOLDINGS", BRAMPTON ONTARIO  
 UNIT - 2504  
 REV.2023.02.14  
 Drawn By: JMc  
 Checked By: VL  
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 File Number: 216051WS2504  
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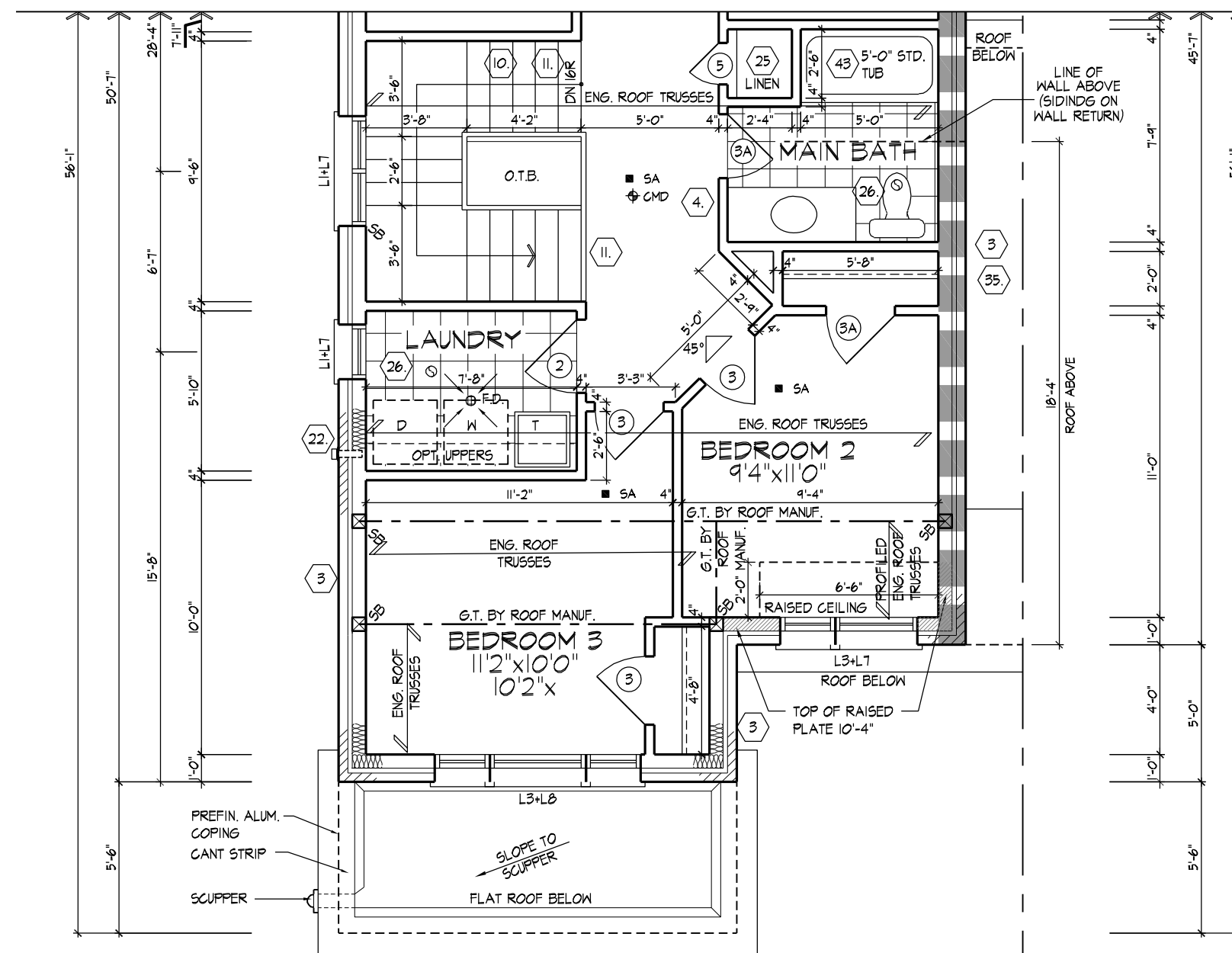
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REFER TO ROOF TRUSS MANUFACTURER'S DRAWINGS FOR LAYOUT, SPACING, INSTALLATION DETAILS AND HANGER SIZES.

REFER TO STANDARD PLAN FOR COMPLETE CONSTRUCTION NOTES & DIMENSIONS

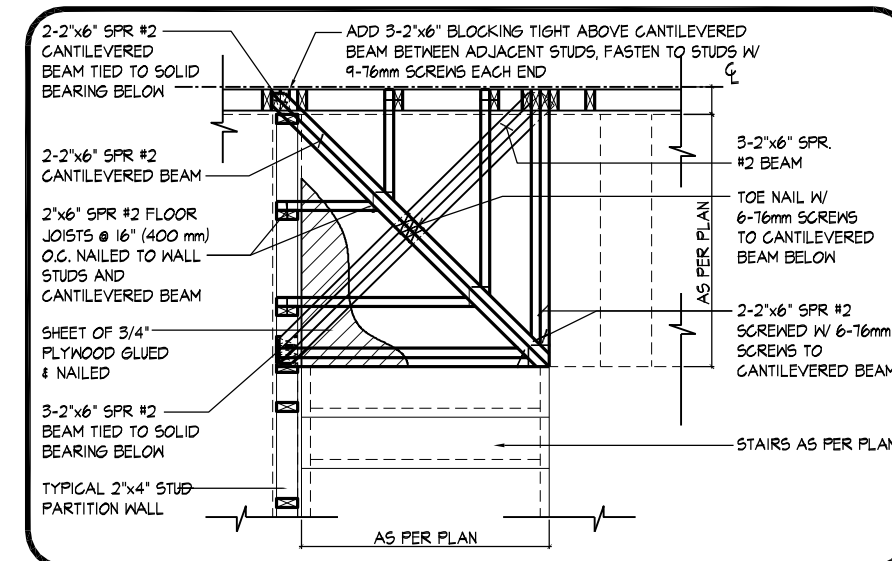
PARTIAL OPT. SECOND FLR PLAN, ELEV 'B'  
(W/ 4 BEDROOM PLAN)



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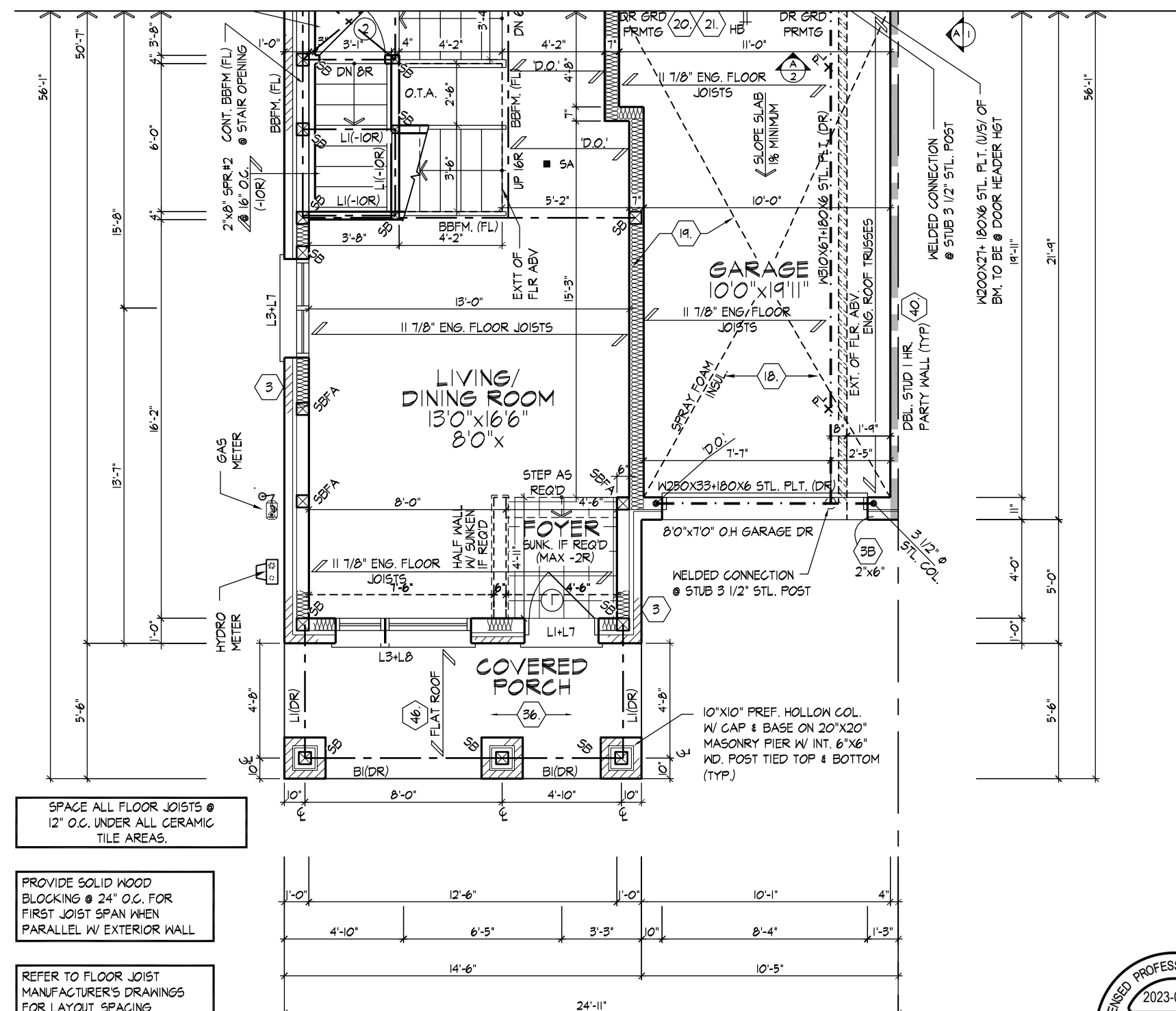
REFER TO STANDARD PLAN FOR COMPLETE CONSTRUCTION NOTES & DIMENSIONS

PARTIAL SECOND FLR PLAN, ELEV 'B'



21.01 SELF SUPPORTING STAIR LANDING  
N.T.S.

SB: MIN. 2/ 2"x6" SFF OR 3/ 2"x4" SFF  
SBI: MIN. 3/ 2"x6" SFF OR 4/ 2"x4" SFF  
SBS: MIN. 4/ 2"x6" SFF OR 5/ 2"x4" SFF



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

REFER TO FLOOR JOIST MANUFACTURER'S DRAWINGS FOR LAYOUT, SPACING, BLOCKING & STRAPPING REQUIREMENTS, INSTALLATION DETAILS AND HANGER SIZES, & SUBFLOOR THICKNESS

PARTIAL GROUND FLOOR PLAN,  
ELEV 'B' (REV)

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SIGNATURE: BORN: 37308  
REGISTRATION INFORMATION: 19695

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Scale: 3/16"=1'-0"  
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Page Number: 4 of 10



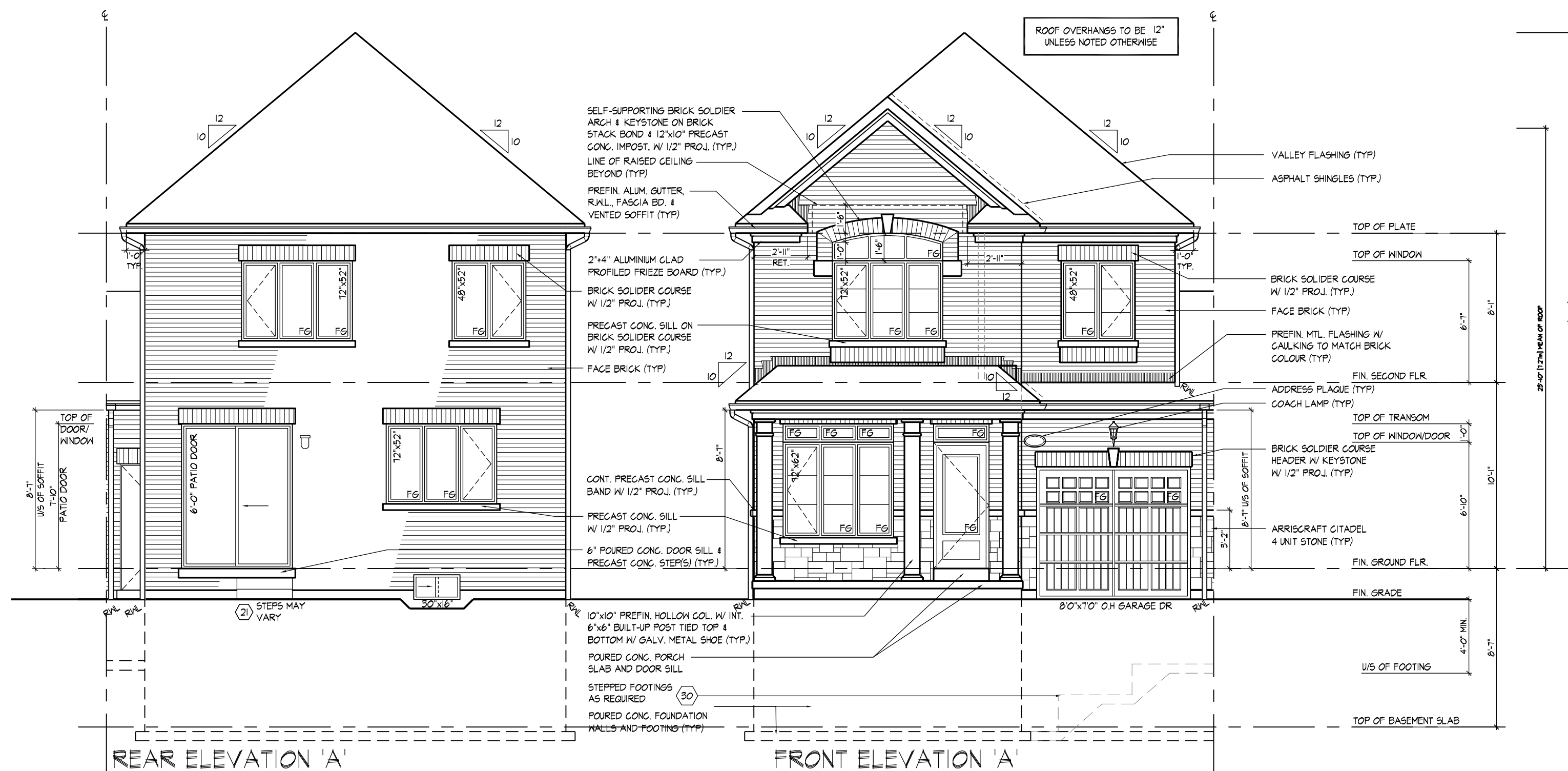
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PARTIAL FLOOR PLANS, ELEV 'B'  
UNIT - 2504  
REV. 2023.02.14

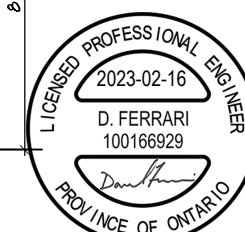
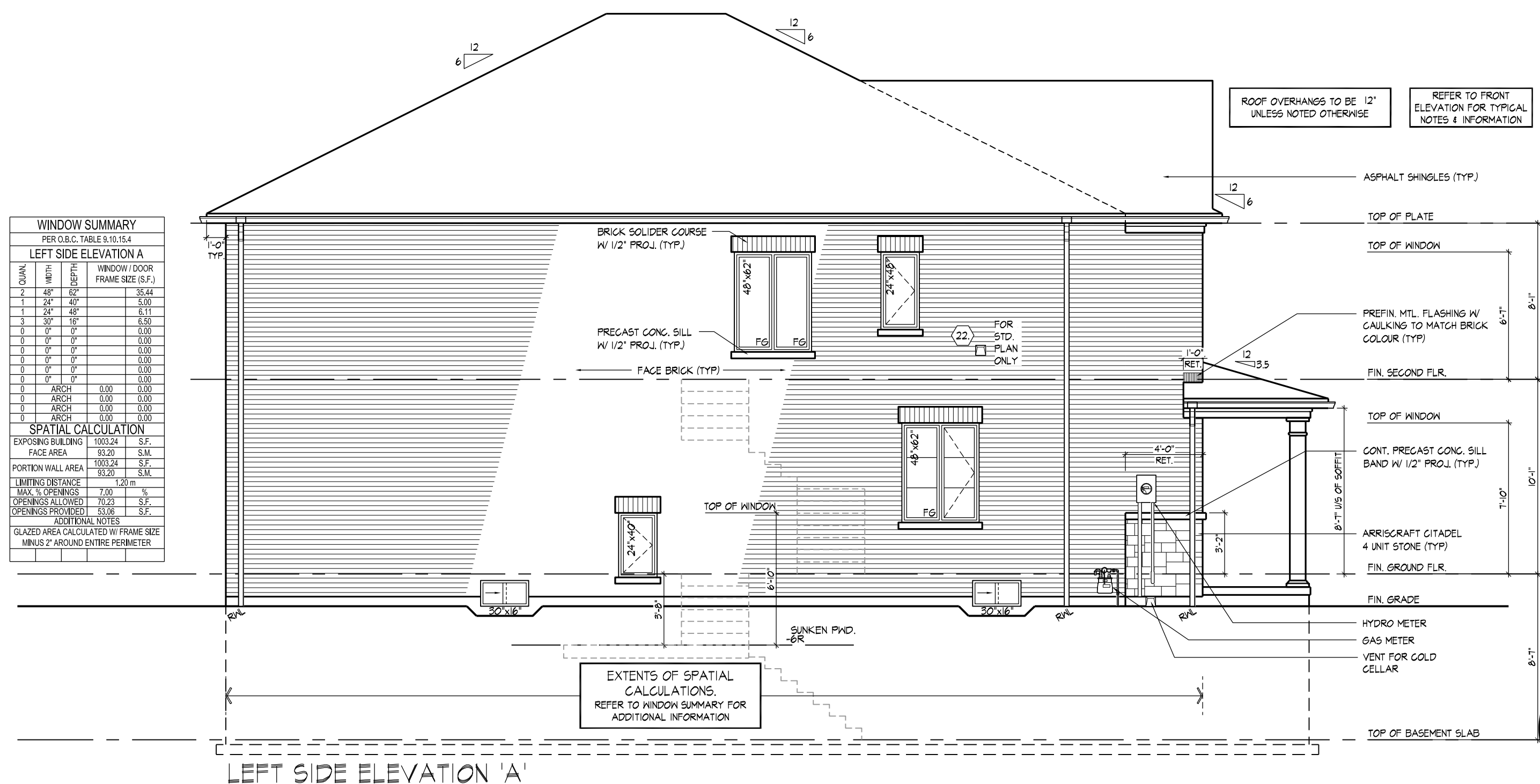


PARTIAL REAR ELEVATION 'A' & 'B'  
(W/ 4 BEDROOM PLAN)

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



WINDOW SUMMARY			
PER F.O.B.C. TABLE 5.10.15.4			
LEFT SIDE ELEVATION A			
QUANT.	UNIT	WINDOW / DOOR FRAME SIZE (HxW)	WINDO / DOOR FRAME SIZE (HxW)
2	62"	62"	35.44
1	24"	40"	5.11
1	24"	48"	6.00
3	0"	0"	0.00
0	0"	0"	0.00
0	0"	0"	0.00
0	0"	0"	0.00
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
0	ARCH	0.00	0.00
SPATIAL CALCULATION			
EXPOSING BUILDING		1003.24	S.F.
FACE AREA		93.20	S.F.
PORTION WALL AREA		1003.24	S.F.
LIMITING SURFACE		93.20	S.M.
MAX. % OPENINGS		7.20	%
OPENINGS ALLOWED		70.23	S.F.
OPENINGS PROPORTION		53.08	S.F.
ADDITIONAL NOTES			
GLAZED AREA CALCULATED W/ FRAME SIZE MINUS 2" AROUND ENTIRE PERIMETER			



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FLOOR OR ROOF SYSTEM

**FRONT/REAR ELEVATION 'A' / LEFT SIDE ELEV. 'A'**

ROYAL PINE HOMES - 216051 'UNIT - 2504'  
"LEAFTRAIL HOLDINGS", BRAMPTON ONTARIO REV.2023.02.14

Page Number  
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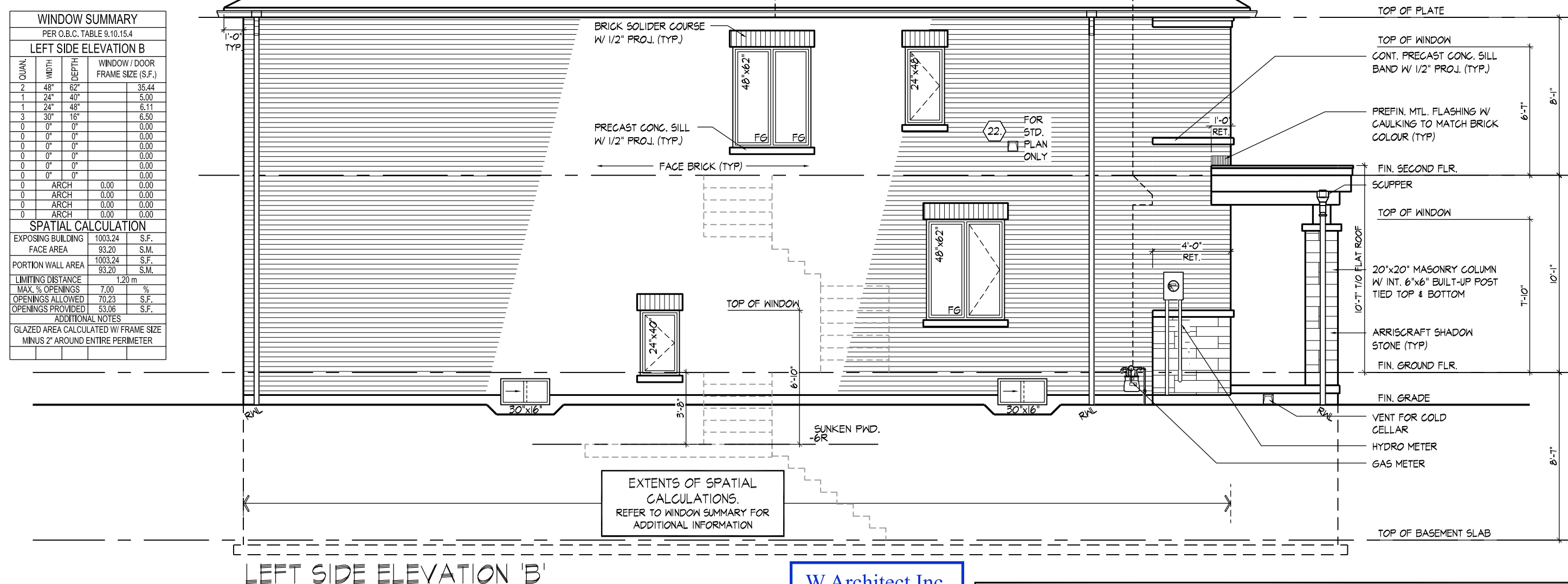
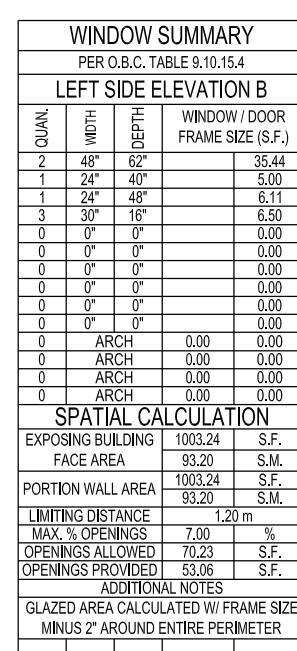
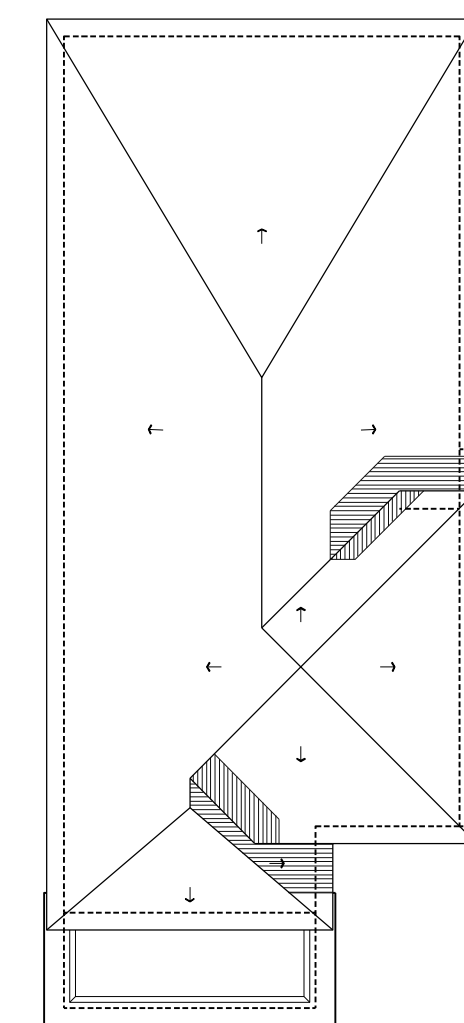
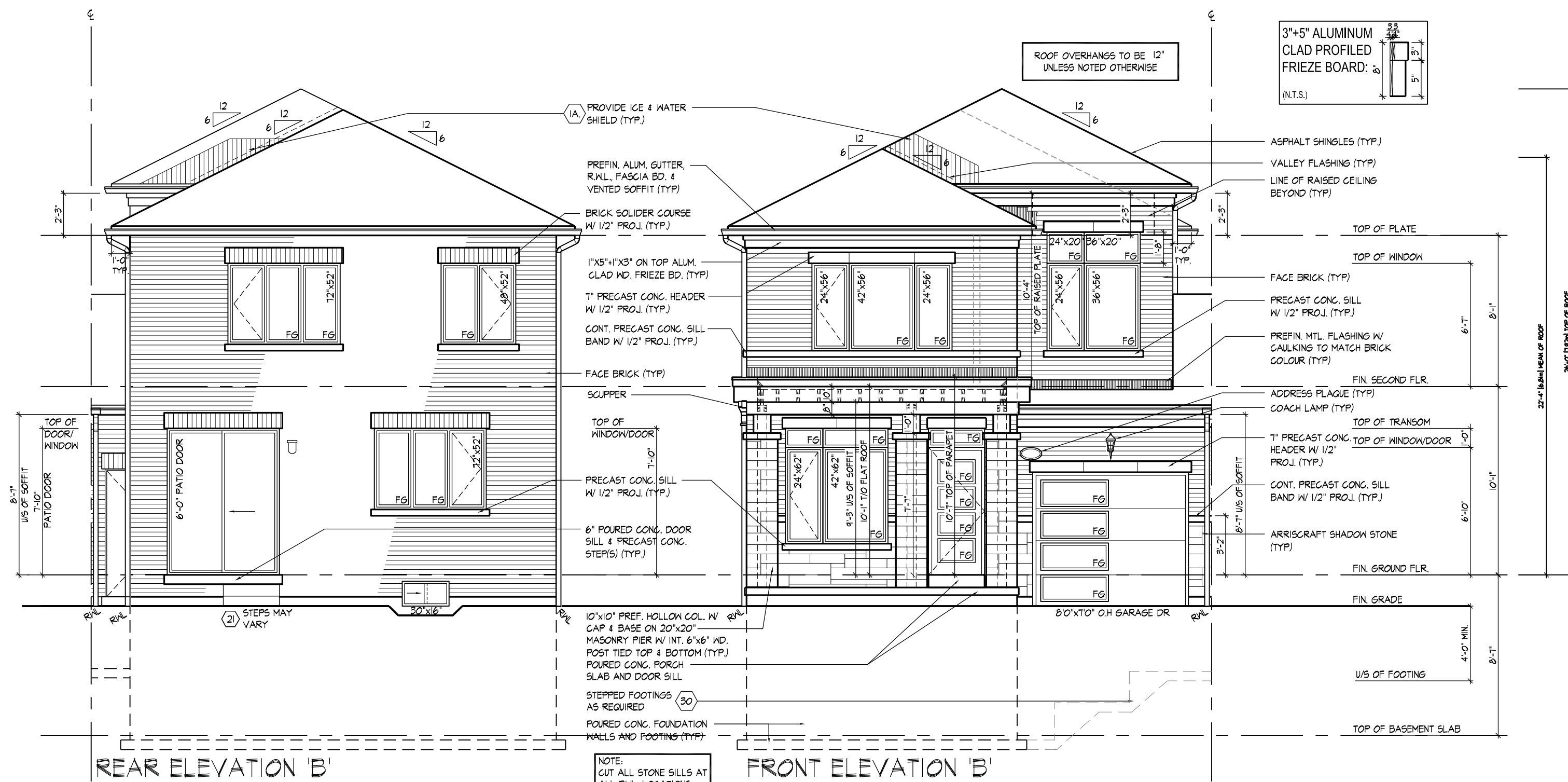
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NAME SIGNATURE

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**FRONT & REAR ELEV. 'B' / LEFT SIDE ELEV. 'B'**  
**ROYAL PINE HOMES - 216051** **UNIT - 2504**  
**"LEAFTRAIL HOLDINGS", BRAMPTON ONTARIO** **REV.2023.02.14**

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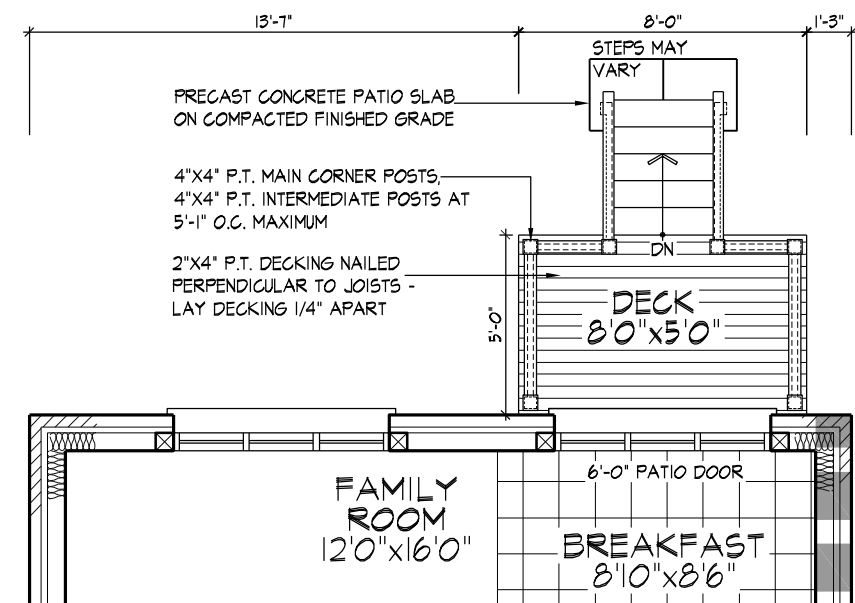
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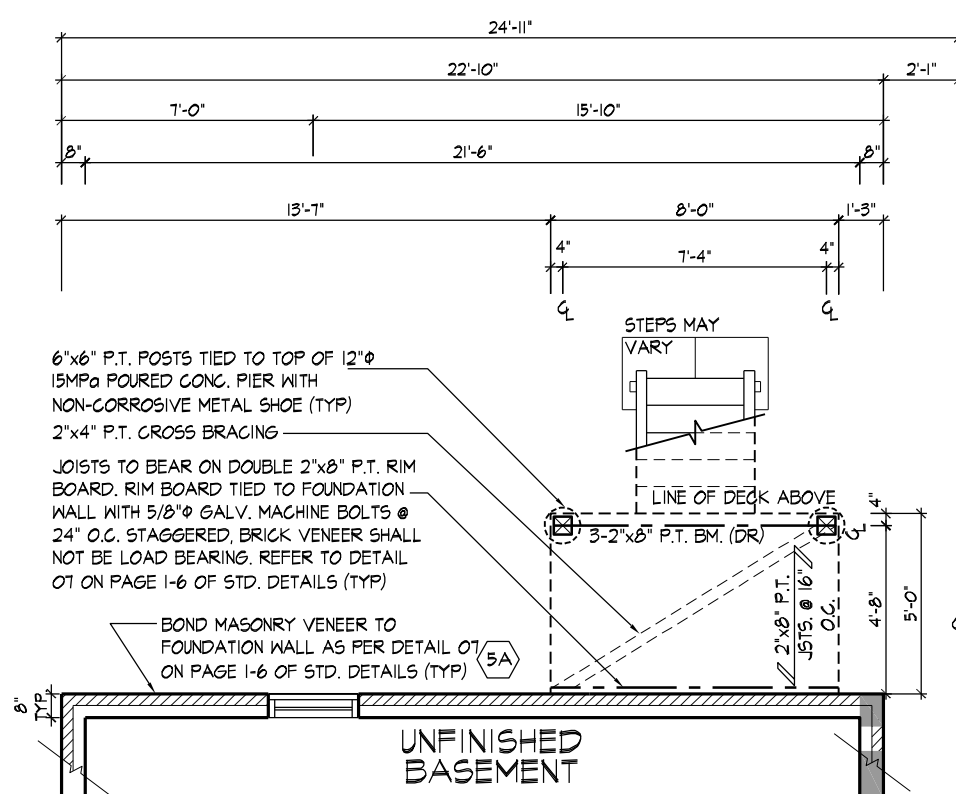




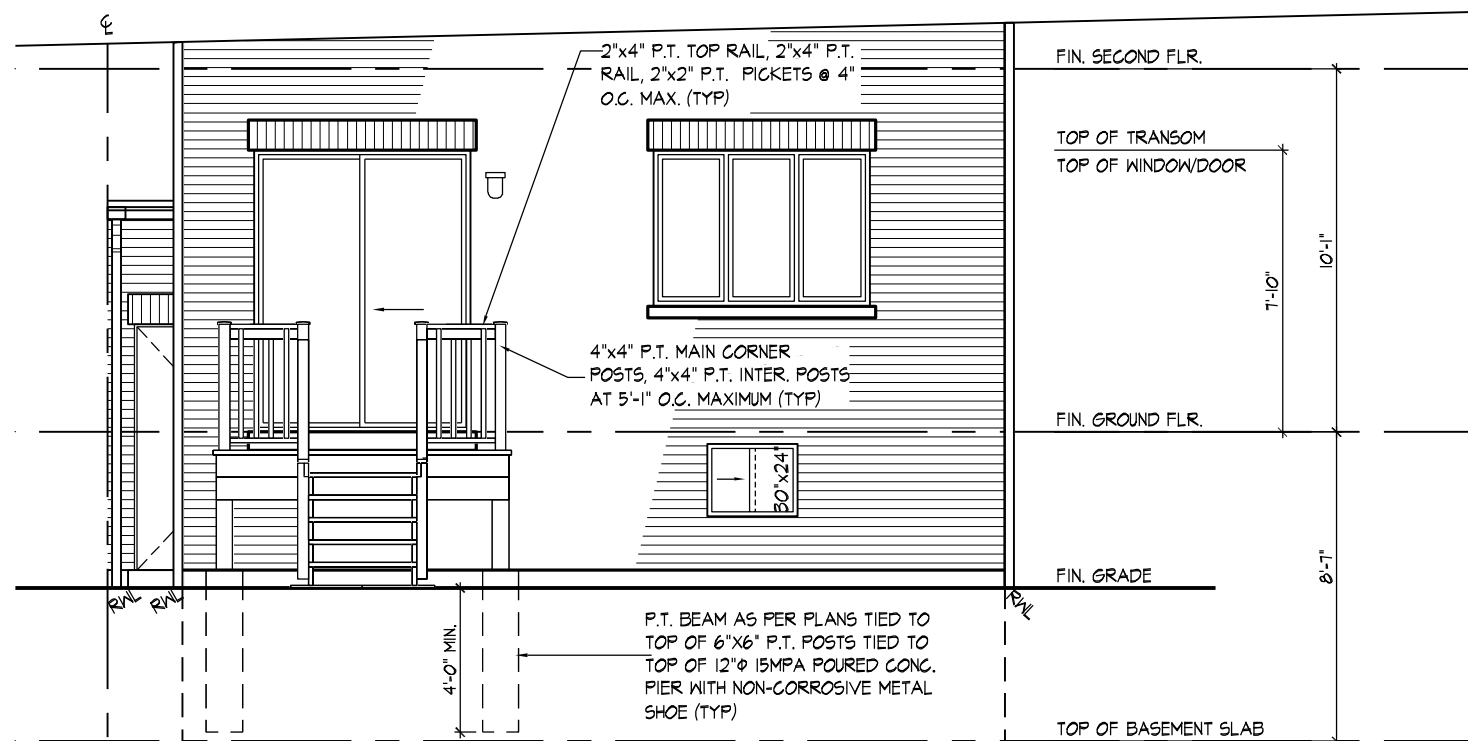




PART. GROUND FLOOR PLAN - W.O.D. CONDITION



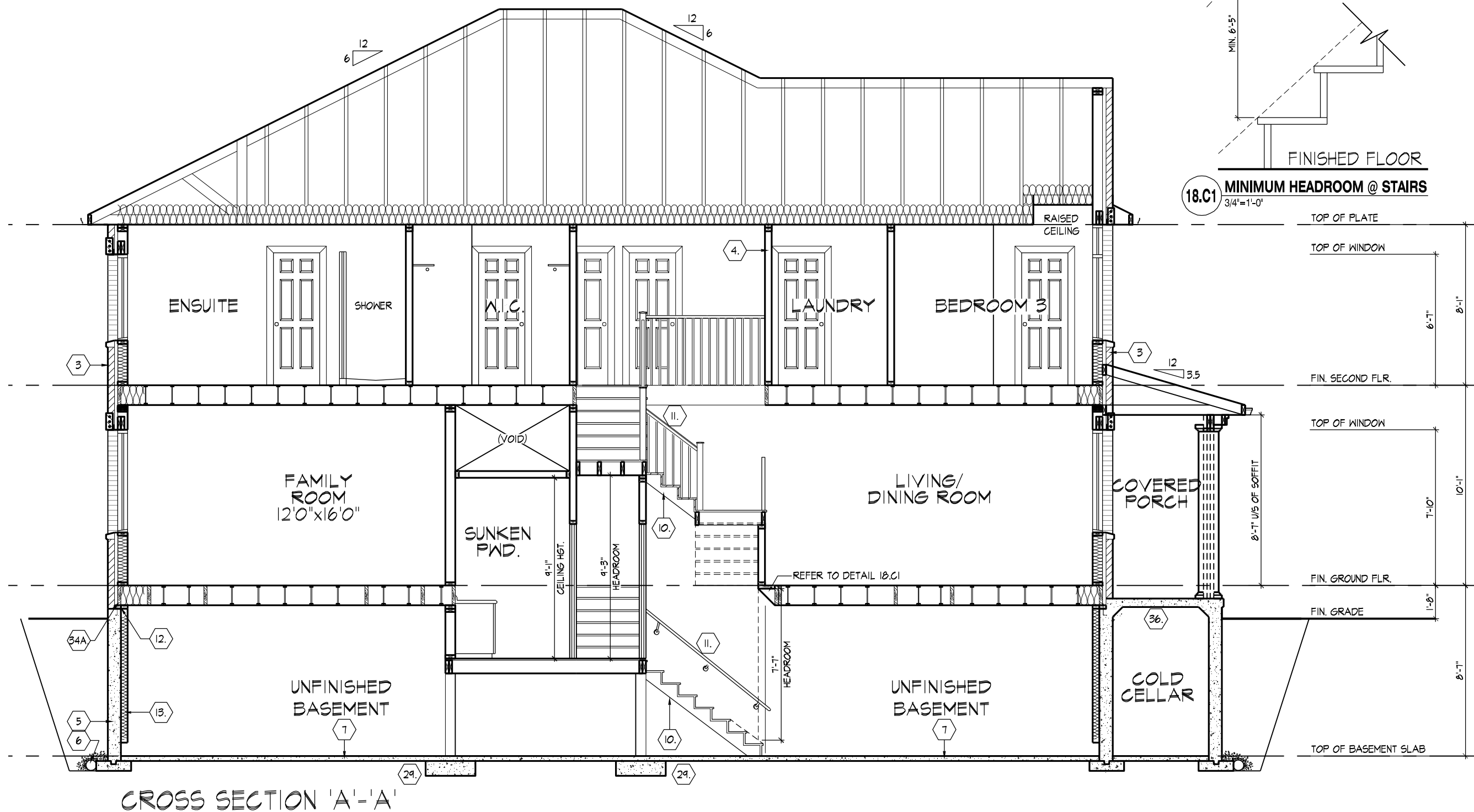
PART. BASEMENT PLAN - W.O.D. CONDITION



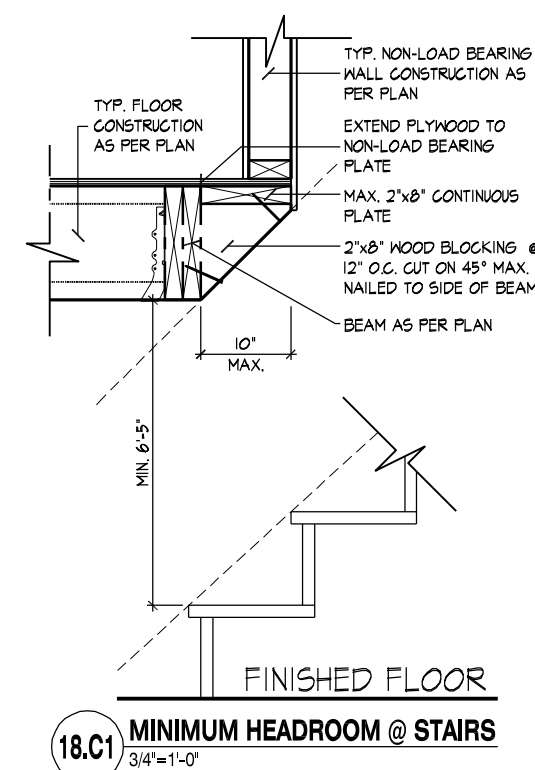
REAR ELEVATION - W.O.D. CONDITION

REFER TO FRONT ELEVATION & STANDARD REAR FOR TYPICAL NOTES & INFO.

WINDOW SIZES FOR W.O.D. CONDITIONS: WINDOWS TO BE LOCATED WITHIN JOIST SPACE. IF GRADE PERMITS, TOP OF WINDOW TO BE 6'-10" A.F.F.



CROSS SECTION 'A'-A'



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CROSS SECTION 'A-A' & WALK-OUT DECK CONDITION  
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UNIT - 2504  
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PROFESSIONAL ENGINEER  
2023-02-16  
D. FERRARI  
100166929  
PROVINCE OF ONTARIO

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