

'UNIT - 2503'

SB-12 ENERGY EFFICIENCY DESIGN MATRIX

PERFORMANCE COMPLIANCE	SPACE HEATING FUEL	
	<input 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.	

- 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 - OPT. SECOND FLOOR PLAN, ELEV. 'A1' (REV.) & 'A2' (W/ OPT. 4 BEDROOM)
- 6 - PARTIAL BASEMENT/GROUND FLOOR PLANS, ELEV 'B1' (REV.) & 'B2'
- 7 - PARTIAL OPT. SECOND FLOOR PLAN, ELEV 'B1' (REV.) & 'B2' (W/ OPT. 4 BEDROOM)
- 8 - FRONT & REAR ELEVATION 'A1' & 'B1' (REV.) & 'A2' & 'B2'
- 9 - LEFT SIDE ELEV. 'A1' (REV) & RIGHT SIDE ELEV. 'A2'
- 10 - FRONT ELEVATION 'B1' (REV.), 'B2' / CROSS SECTION 'A-A'
- 11 - LEFT SIDE ELEV. 'B1' (REV) & RIGHT SIDE ELEV. 'B2'
- 12 - WALK-OUT DECK CONDITION
- 13 - CONSTRUCTION NOTES

AREA CALCULATIONS	EL. 'A1' & 'B1'	EL. 'A2' & 'B2'	EL. A1 & B1 REV. 'A2' & 'B2'
	REVERSE	STD	W/ OPT 4 BDRM/ OPT 4 BDRM
GROUND FLOOR AREA	918 sq. ft. (85.28 sq. m.)	904 sq. ft. (83.98 sq. m.)	918 sq. ft. (85.28 sq. m.)
SECOND FLOOR AREA	1135 sq. ft. (105.44 sq. m.)	1115 sq. ft. (103.59 sq. m.)	1128 sq. ft. (104.79 sq. m.)
SUBTOTAL	2053 sq. ft. (190.73 sq. m.)	2019 sq. ft. (187.57 sq. m.)	2046 sq. ft. (190.08 sq. m.)
DEDUCT ALL OPEN AREAS	7 sq. ft. (0.65 sq. m.)	7 sq. ft. (0.65 sq. m.)	7 sq. ft. (0.65 sq. m.)
TOTAL NET AREA	2046 sq. ft. (190.08 sq. m.)	2012 sq. ft. (186.92 sq. m.)	2039 sq. ft. (189.43 sq. m.)
FINISHED BASEMENT AREA	0 sq. ft. (0.00 sq. m.)	0 sq. ft. (0.00 sq. m.)	0 sq. ft. (0.00 sq. m.)
COVERAGE W/OUT PORCH	1144 sq. ft. (106.28 sq. m.)	1129 sq. ft. (104.89 sq. m.)	1144 sq. ft. (106.28 sq. m.)
COVERAGE W/ PORCH	1221 sq. ft. (113.43 sq. m.)	1223 sq. ft. (113.62 sq. m.)	1221 sq. ft. (113.43 sq. m.)



FOR STRUCTURAL ONLY
NOT INCLUDING ENGINEERED
FLOOR OR ROOF SYSTEM

NO.	REVISIONS	DATE (YYYYMMDD)	BY
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	2023/01/06	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

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.

DESIGNER INFORMATION
Derek R. Santos
SIGNATURE
19695

HUNT DESIGN ASSOCIATES INC.
19695

HUNT DESIGN ASSOCIATES INC.
19695

DESIGNED BY
JMc

CHECKED BY
VL

SCALE
3/16"=1'-0"

FILE NUMBER
216051WS2503

PAGE NUMBER
1 of 13

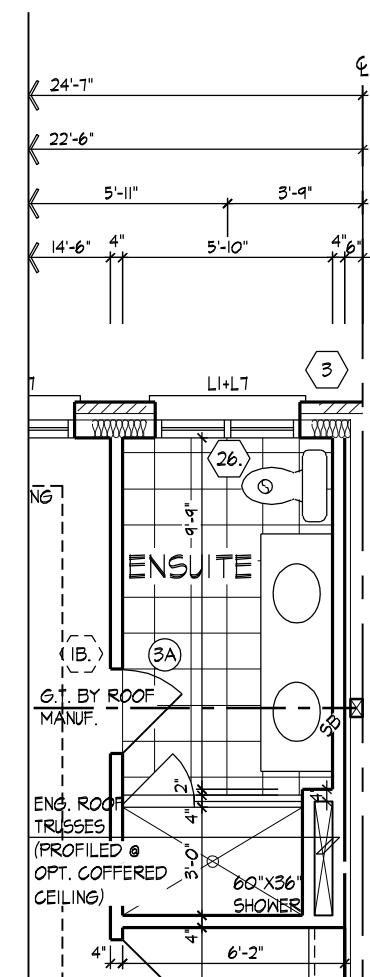
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"LEAFTRAILHOLDINGS", BRAMPTON ONTARIO

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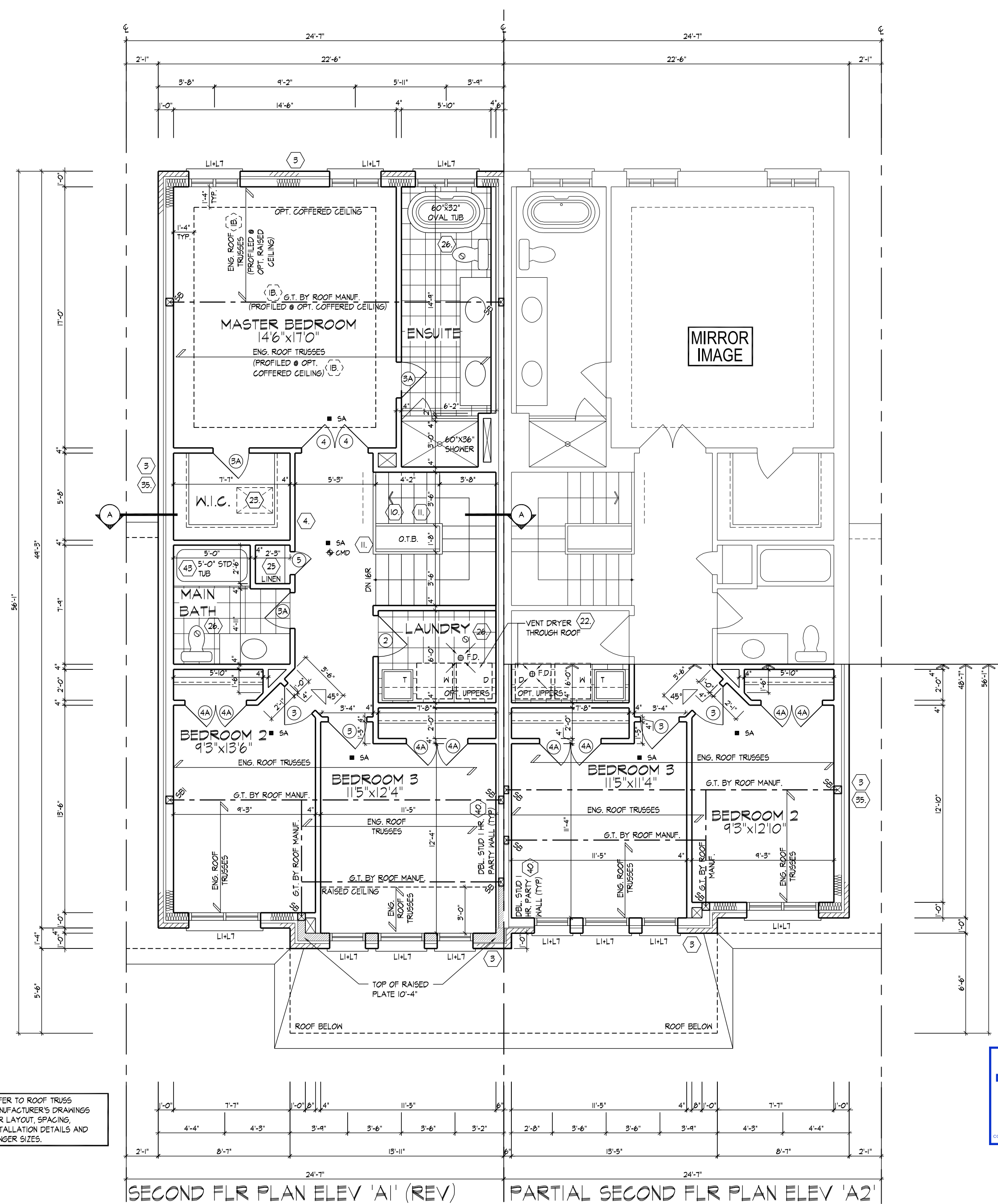
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TITLE PAGE
'UNIT - 2503'
REV.2023.01.12

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PARTIAL SECOND FLR PLAN,
ELEV 'A1' (REV)
(W/ OPT. ENSUITE LAYOUT)
(ELEV. 'B1' REV. & 'B2' SIMILAR)



SECOND FLR PLAN ELEV 'A1' (REV)

PARTIAL SECOND FLR PLAN ELEV 'A2'

REFER TO ROOF TRUSS MANUFACTURER'S DRAWINGS FOR LAYOUT, SPACING, INSTALLATION DETAILS AND HANGER SIZES.

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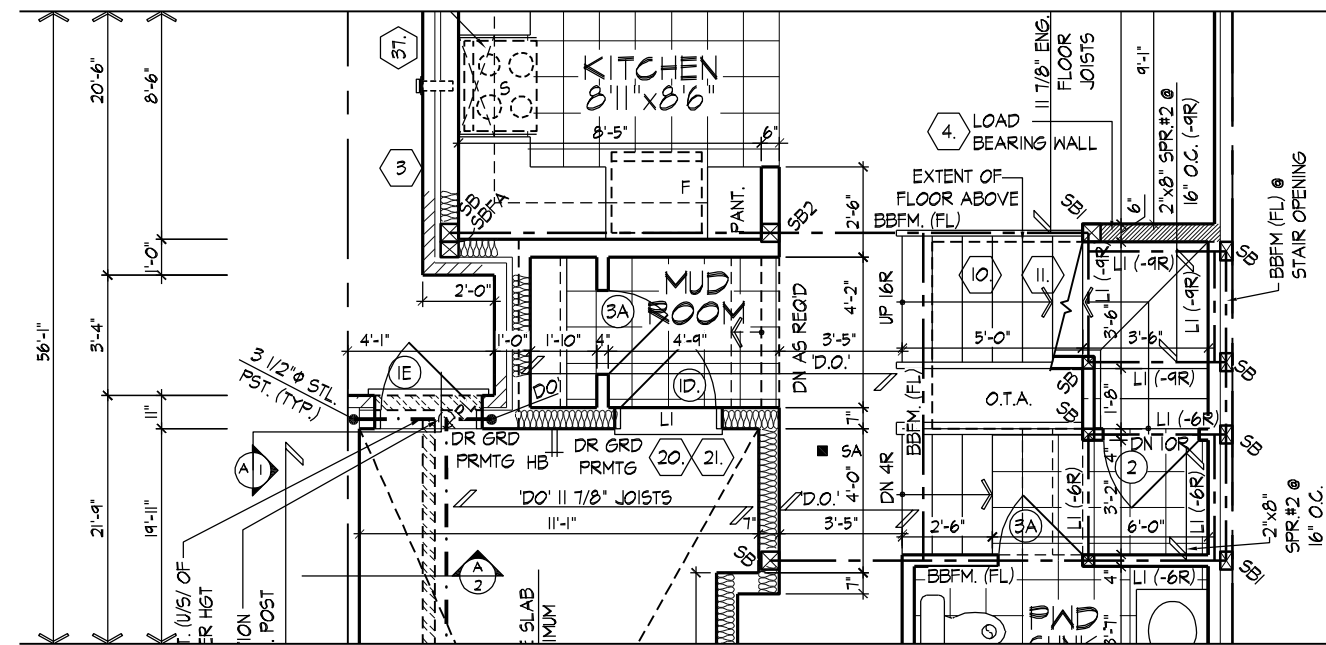
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SB1, MIN. 3/ 2"x6" SPF OR 4/ 2"x4" SPF
SB2, MIN. 4/ 2"x6" SPF OR 5/ 2"x4" SPF

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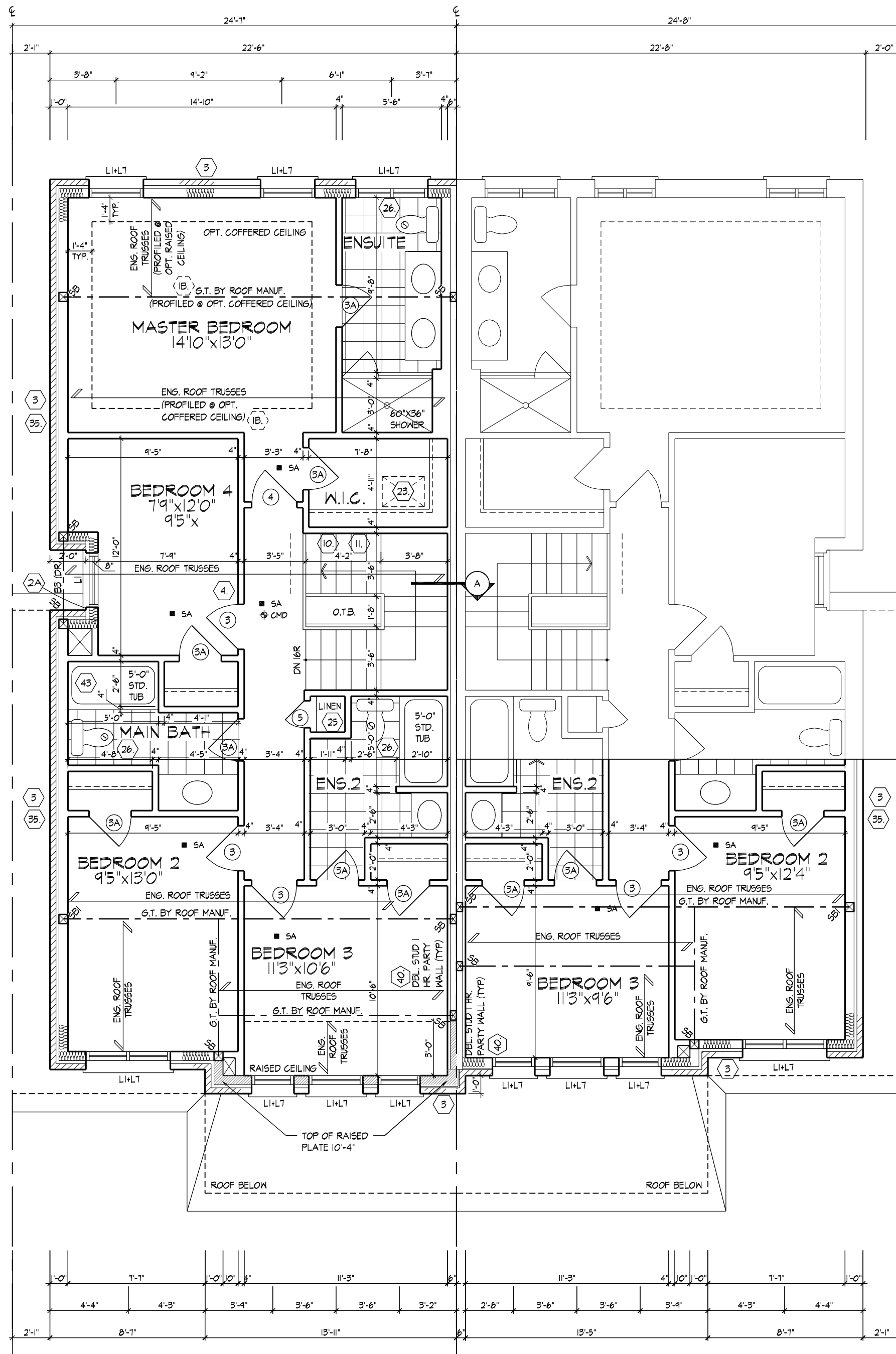
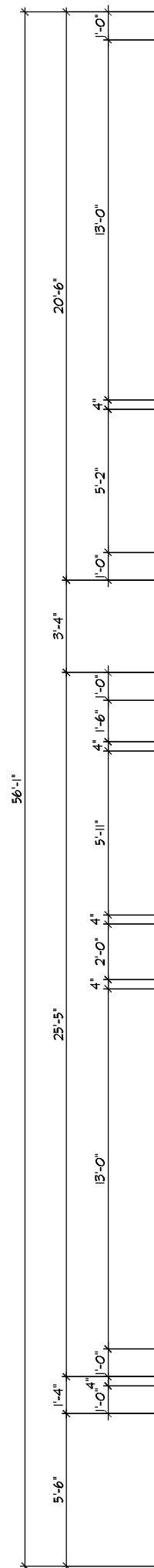


SECOND FLOOR PLANS, ELEV. 'A1' (REV.) & 'A2'
ROYAL PINE HOMES - 216051
"LEAFTRAIL HOLDINGS", BRAMPTON ONTARIO UNIT - 2503
REV. 2023.01.12
Drawn By: JMc, Checked By: VL, Scale: 3/16"=1'-0", File Number: 216051WS2503, Page Number: 4 of 13
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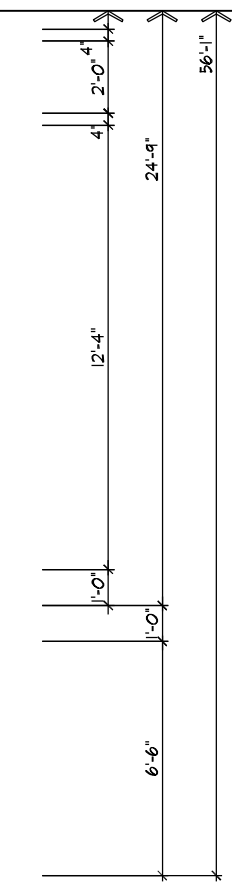


PARTIAL
GROUND FLOOR PLAN ELEV 'A1' (REV)
(OR SIMILAR)
FOR OPT. SECOND FLOOR PLAN



OPT. SECOND FLOOR PLAN, 'A1' (REV.)
(W/ OPT. 4 BEDROOM)

PARTIAL OPT. SECOND FLOOR PLAN,
'A2' (W/ OPT. 4 BEDROOM)



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LICENSED PROFESSIONAL ENGINEER
2023-01-30
D. FERRARI
100166929
PROVINCE OF ONTARIO

SB: MIN. 2/ 2"x6" SFF OR 3/ 2"x4" SFF
SB1: MIN. 3/ 2"x6" SFF OR 4/ 2"x4" SFF
SB2: MIN. 4/ 2"x6" SFF OR 5/ 2"x4" SFF

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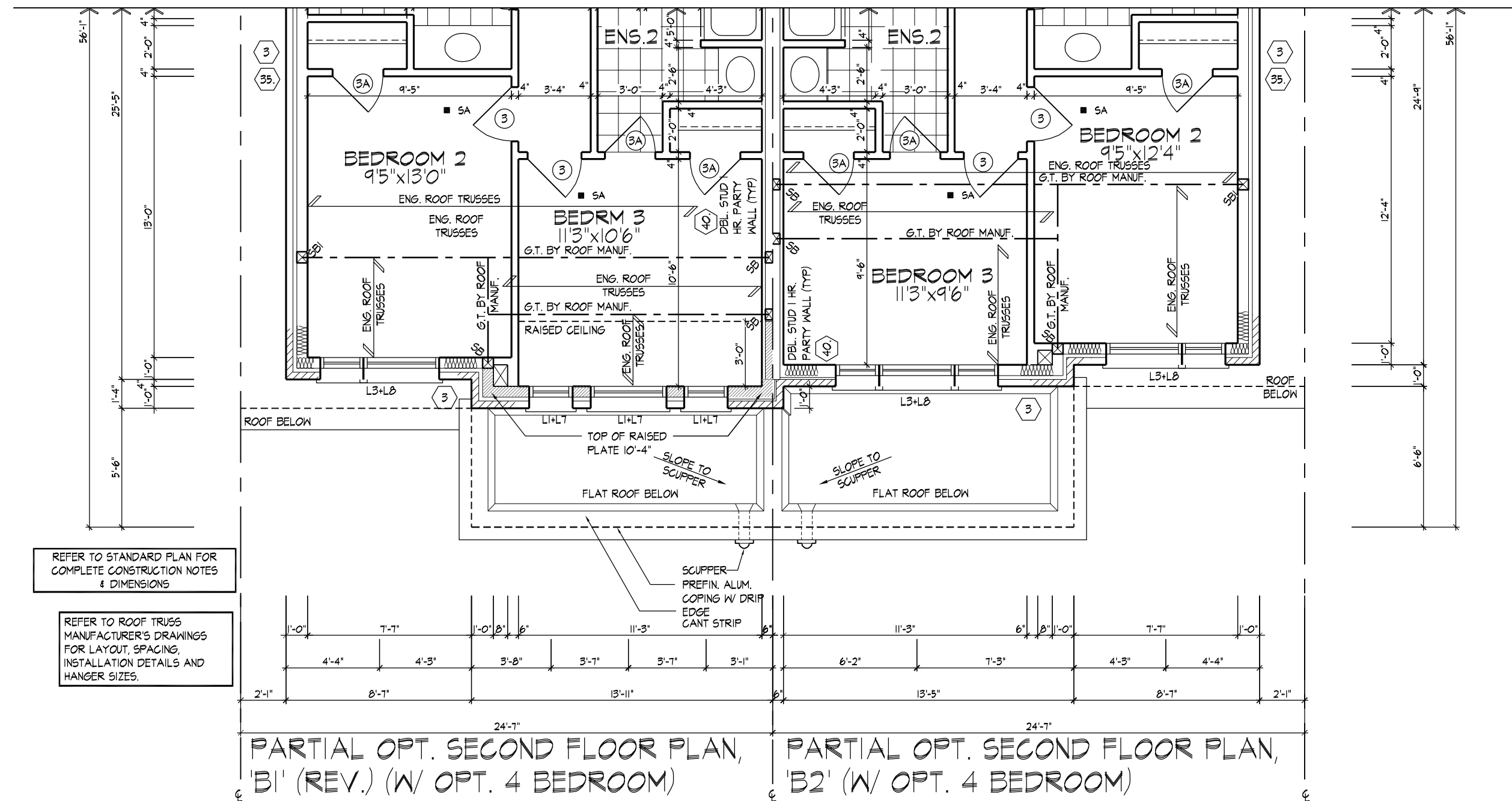
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SIGNATURE BCIN
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REFER TO STANDARD PLAN FOR COMPLETE CONSTRUCTION NOTES & DIMENSIONS

REFER TO ROOF TRUSS MANUFACTURER'S DRAWINGS FOR LAYOUT, SPACING, INSTALLATION DETAILS AND HANGER SIZES.

PARTIAL OPT. SECOND FLOOR PLAN, 'B1' (REV.) (W/ OPT. 4 BEDROOM)

PARTIAL OPT. SECOND FLOOR PLAN, 'B2' (W/ OPT. 4 BEDROOM)

SB: MIN. 2/ 2"x6" SFF OR 3/ 2"x4" SFF
 SB1: MIN. 3/ 2"x6" SFF OR 4/ 2"x4" SFF
 SB2: MIN. 4/ 2"x6" SFF OR 5/ 2"x4" SFF

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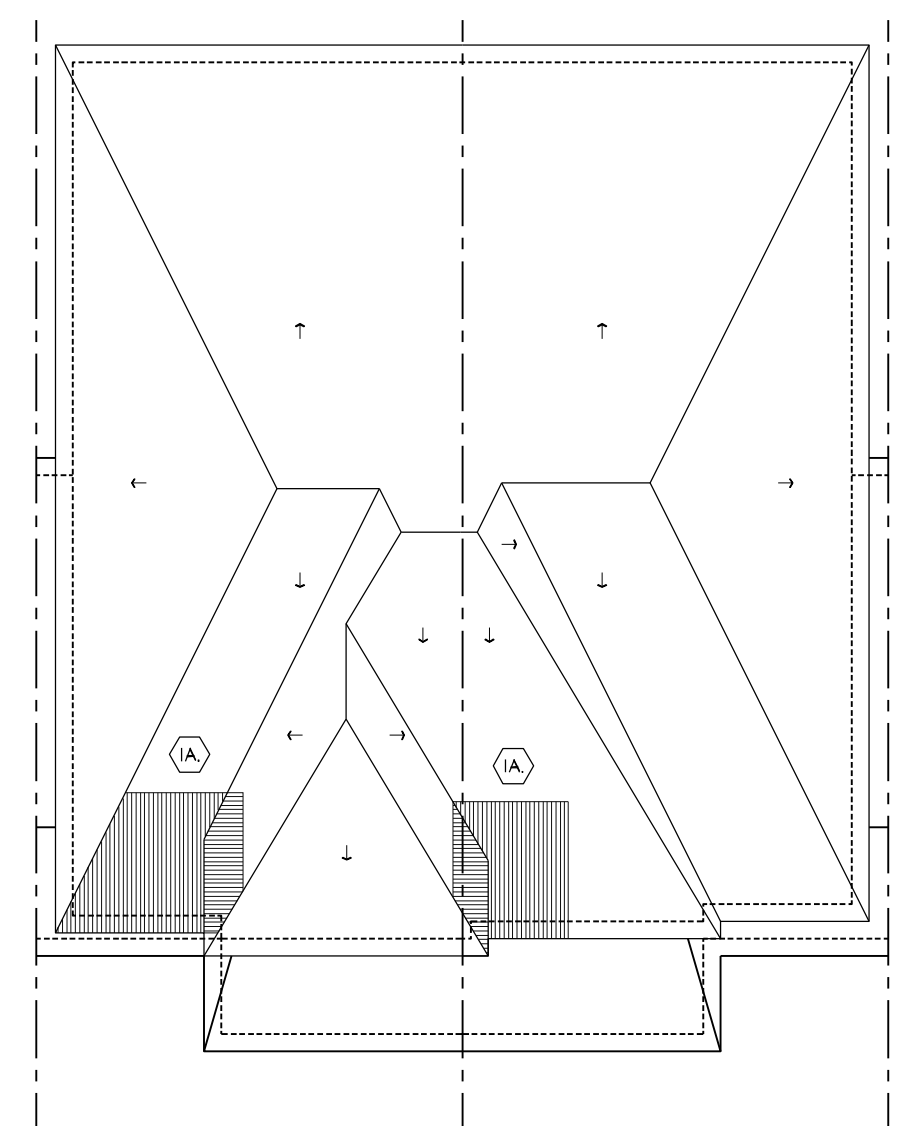


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PARTIAL OPT. SECOND FLOOR PLAN, ELEV 'B1' (REV.) & 'B2' (W/ OPT. 4 BEDROOM)
ROYAL PINE HOMES - 216051
"LEAFTRAILHOLDINGS", BRAMPTON ONTARIO
UNIT - 2503
 REV.2023.01.12

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FRONT ELEVATION 'A1' (REV) FRONT ELEVATION 'A2'



REAR ELEVATION 'A2' & 'B2' REAR ELEVATION 'A1' (REV) & 'B1' (REV)

REFER TO FRONT ELEVATION FOR TYPICAL NOTES & INFORMATION

ROOF OVERHANGS TO BE 12" UNLESS NOTED OTHERWISE

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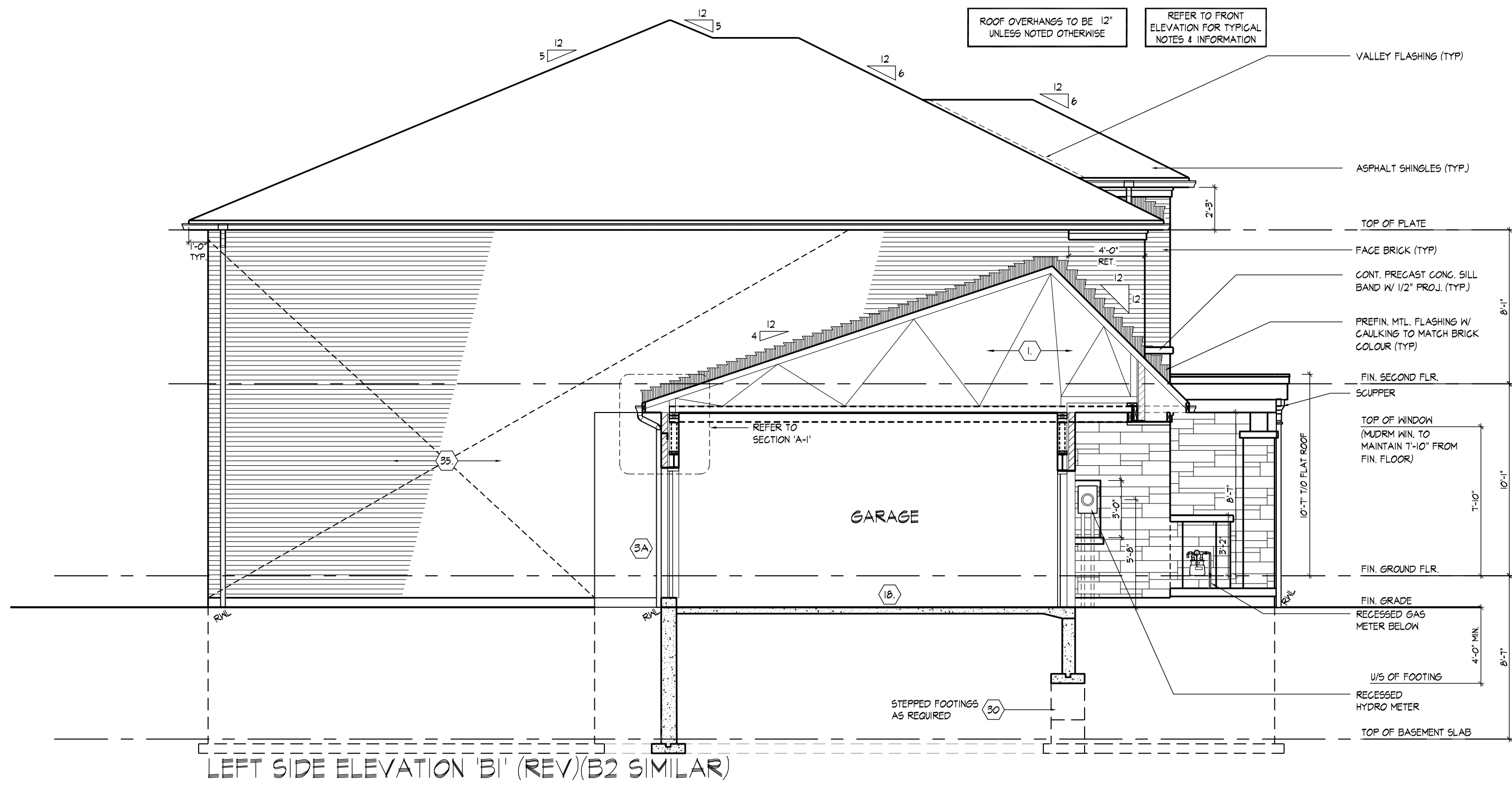
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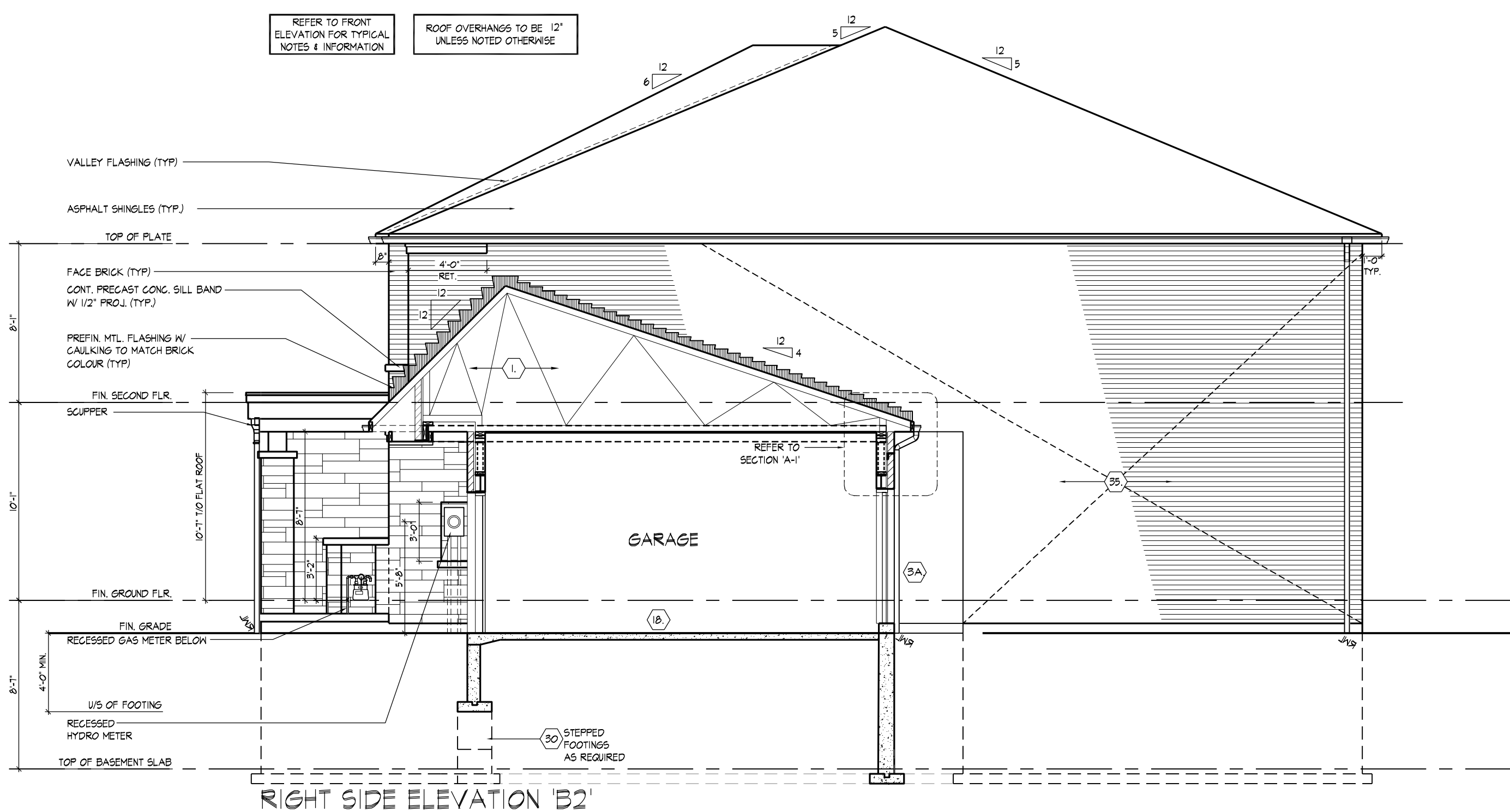


FRONT & REAR ELEVATION 'A1' & 'B1' (REV.) & 'A2' & 'B2' UNIT - 2503
ROYAL PINE HOMES - 216051
 "LEAFTRAIL HOLDINGS", BRAMPTON ONTARIO REV.2023.01.12
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LEFT SIDE ELEVATION 'B1' (REV)(B2 SIMILAR)



RIGHT SIDE ELEVATION 'B2'

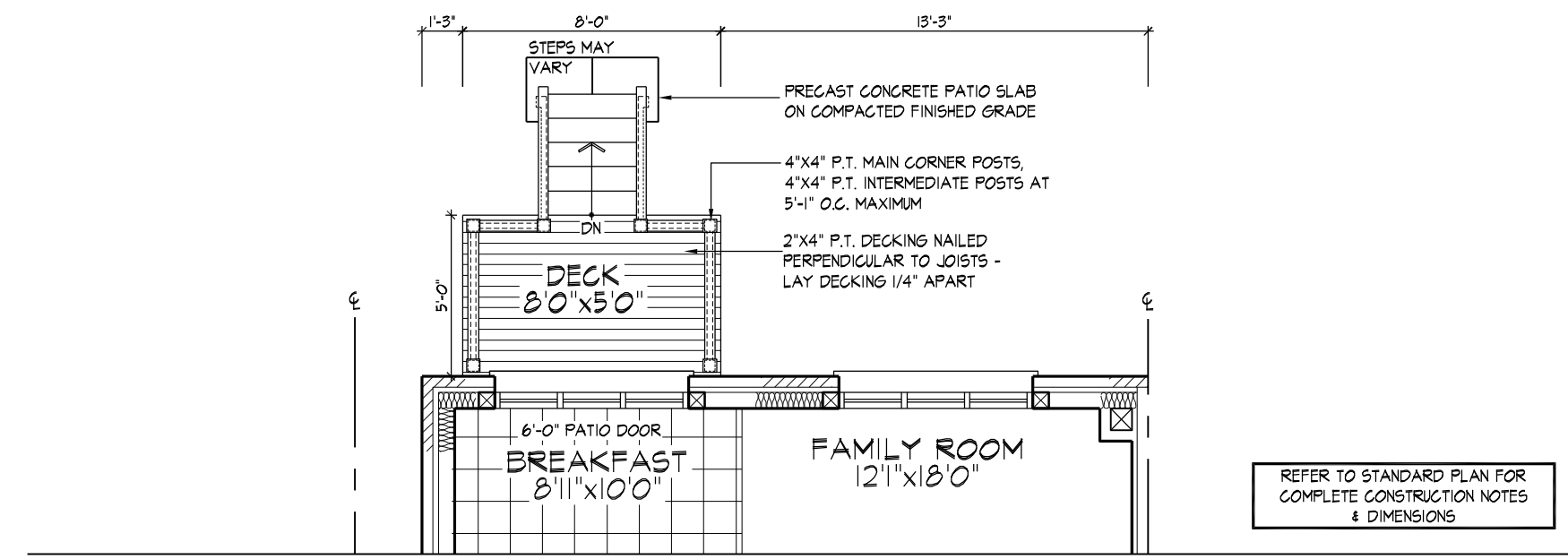
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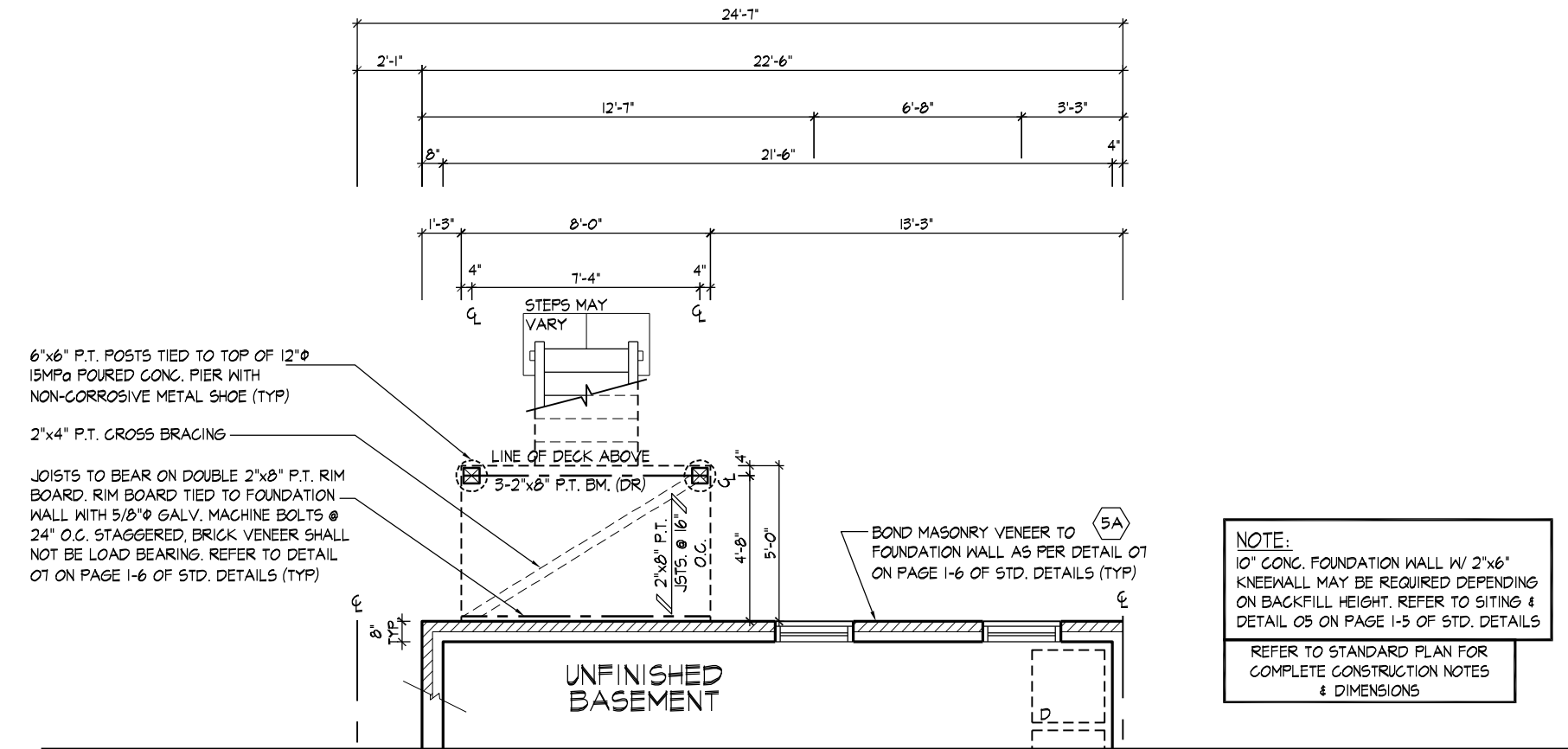
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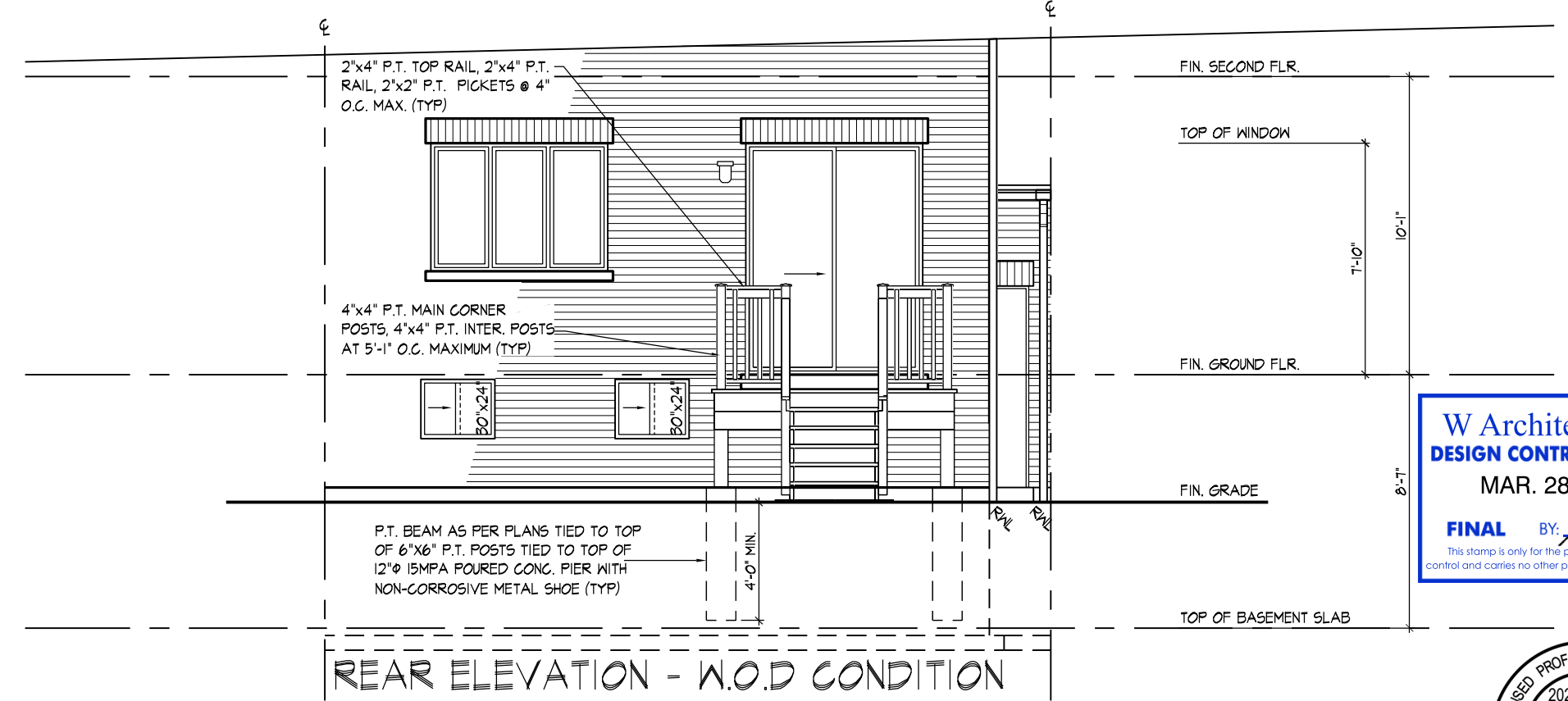
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PART. GROUND FLOOR PLAN - W.O.D. CONDITION



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



REAR ELEVATION - W.O.D. CONDITION

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REGISTRATION INFORMATION BCIN



ROYAL PINE HOMES - 216051
"LEAFTRAILHOLDINGS", BRAMPTON ONTARIO
WALK-OUT DECK CONDITION
UNIT - 2503
REV.2023.01.12
Drawn By: JMc
Checked By: VL
Scale: 3/16"=1'-0"
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