



FRONT ELEVATION 'A'



FLANKAGE ELEVATION 'A'



FRONT ELEVATION 'B'



FLANKAGE ELEVATION 'B'

UNIT 5003-COR

SB-12 ENERGY EFFICIENCY DESIGN MATRIX

PERFORMANCE COMPLIANCE		SB-12 (SECTION 3.1.1) TABLE 3.1.1.2.A	
PERFORMANCE COMPLIANCE		SPACE HEATING FUEL	
		☒ GAS	☐ OIL
		☐ ELECTRIC	☐ PROPANE
		☐ EARTH	☐ 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)+1.5ci
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%
DOMESTIC HOT WATER HEATER (EF)		0.8	0.9
DWHR UNIT (%)	(SEE O.B.C. 3.1.1.12 FOR RULES & EXCEPTIONS)	53.3% ON 1 SHOWERS MIN.	

	EL. 'A'	EL. 'B'		
AREA CALCULATIONS				
	STD/OPT. PLAN	STD/OPT. PLAN		
GROUND FLOOR AREA	1842 sq. ft.	1843 sq. ft.		
SECOND FLOOR AREA	2236 sq. ft.	2225 sq. ft.		
SUBTOTAL	4078 sq. ft.	4068 sq. ft.		
DEDUCT ALL OPEN AREAS	68 sq. ft.	68 sq. ft.		
TOTAL NET AREA	4010 sq. ft. (372.54 sq. m.)	4000 sq. ft. (371.61 sq. m.)		
FINISHED BASEMENT AREA	0 sq. ft.	0 sq. ft.		
COVERAGE W/OUT PORCH	2260 sq. ft. (209.96 sq. m.)	2261 sq. ft. (210.05 sq. m.)		
COVERAGE W/ PORCH	2337 sq. ft. (217.11 sq. m.)	2343 sq. ft. (217.67 sq. m.)		
WINDOW / WALL AREA CALCULATIONS				
	EL. 'A'	EL. 'A'	EL. 'B'	EL. 'B'
	STD. PLAN	OPT. PLAN	STD. PLAN	OPT. PLAN
GROSS WALL AREA	4395 sq. ft. (408.31 sq. m.)	4395 sq. ft. (408.31 sq. m.)	4395 sq. ft. (408.31 sq. m.)	4395 sq. ft. (408.31 sq. m.)
GROSS WINDOW AREA (INCL. GLASS DOORS & SKYLIGHTS)	578 sq. ft. (53.70 sq. m.)	588 sq. ft. (54.63 sq. m.)	541 sq. ft. (50.26 sq. m.)	550 sq. ft. (51.10 sq. m.)
TOTAL WINDOW %	13.15 %	13.38 %	12.31 %	12.51 %

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6. ISSUED FOR FINAL APPROVAL	-	-
5. REVISED AS PER ARCHITECTURAL CONTROL COMMENTS	-	-
4. REVISED AS PER ENGINEER COMMENTS	2022/01/13	JLT
3. REVISED AS PER ROOF TRUSS & FLOOR MANUFACTURE PLANS	2021/09/20	DSI
2. REVISED AS PER CLIENT'S COMMENTS	2021/06/17	MM
1. ISSUED FOR CLIENT REVIEW & PRICING	2021.03.15	DS
REVISIONS	DATE (YYYY/MM/DD)	BY

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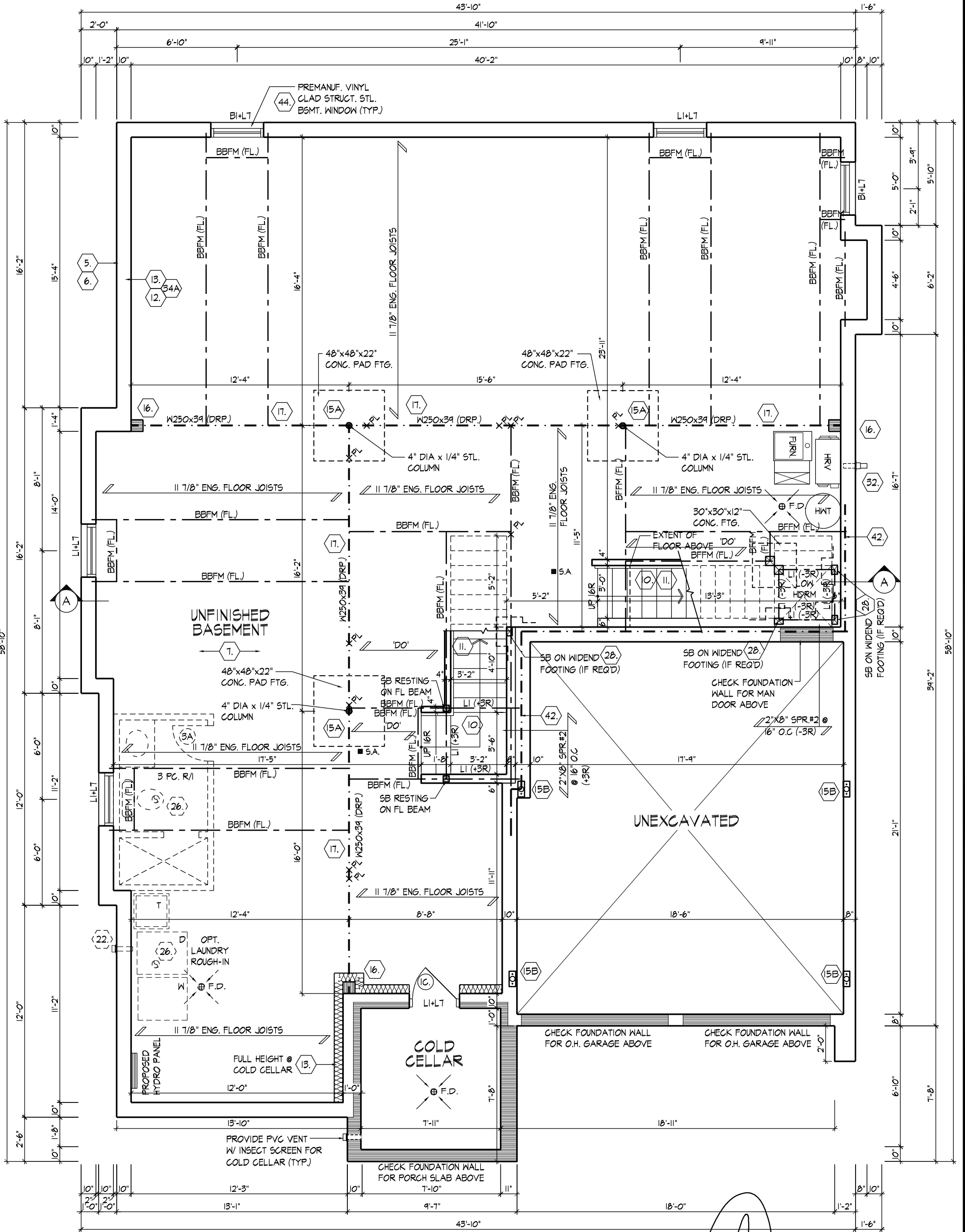
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UNIT - 5003-COR
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BASEMENT PLAN, EL. 'A'

APPROX. LOCATION OF
FURNACE AND HOT
WATER TANK

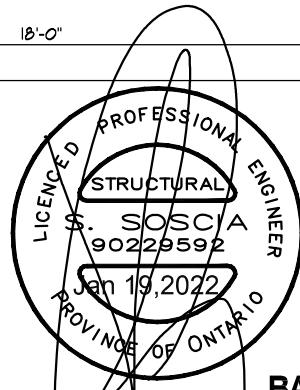
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SIZES, & SUBFLOOR THICKNESS

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

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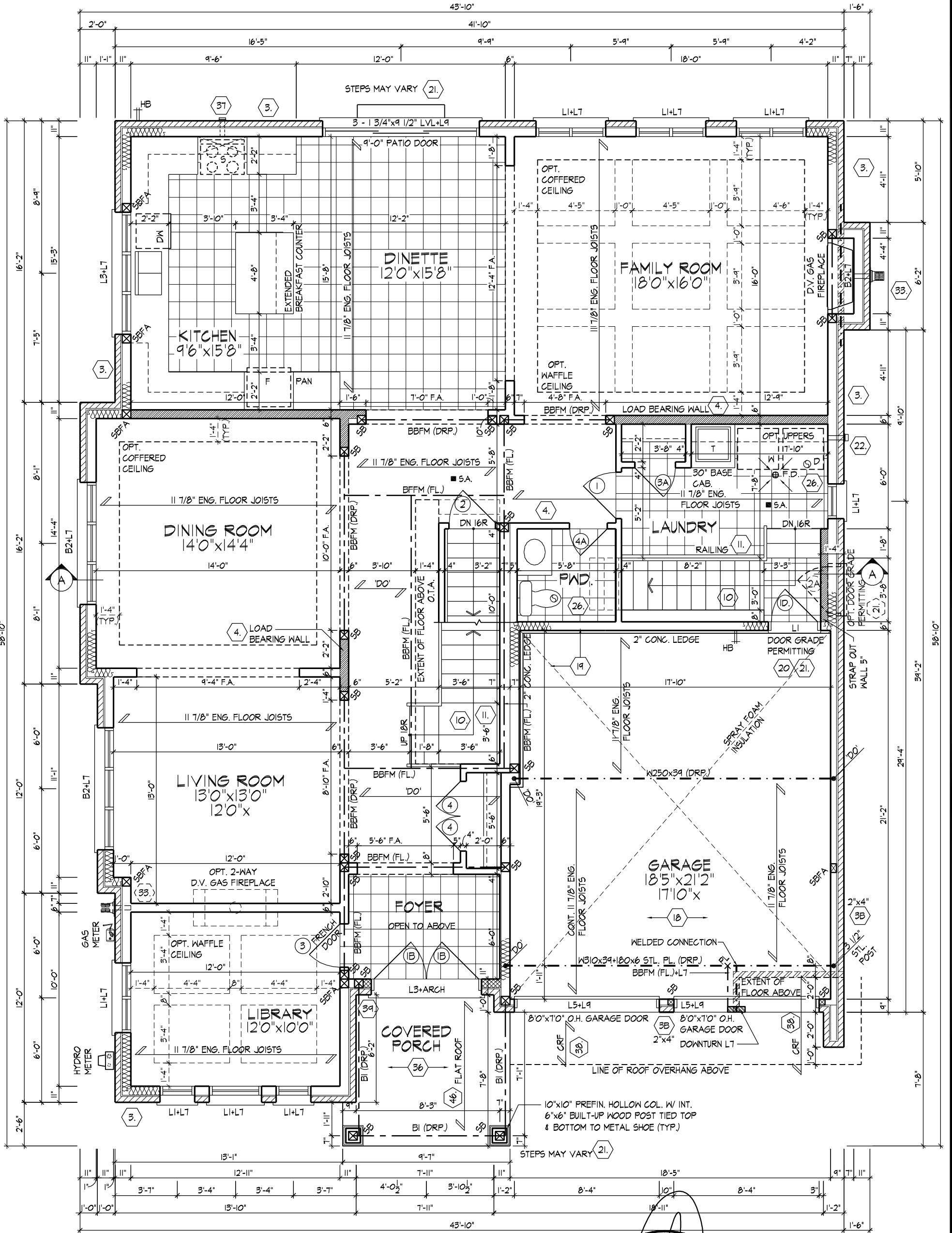
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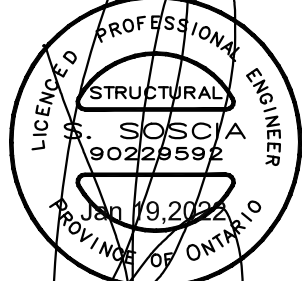
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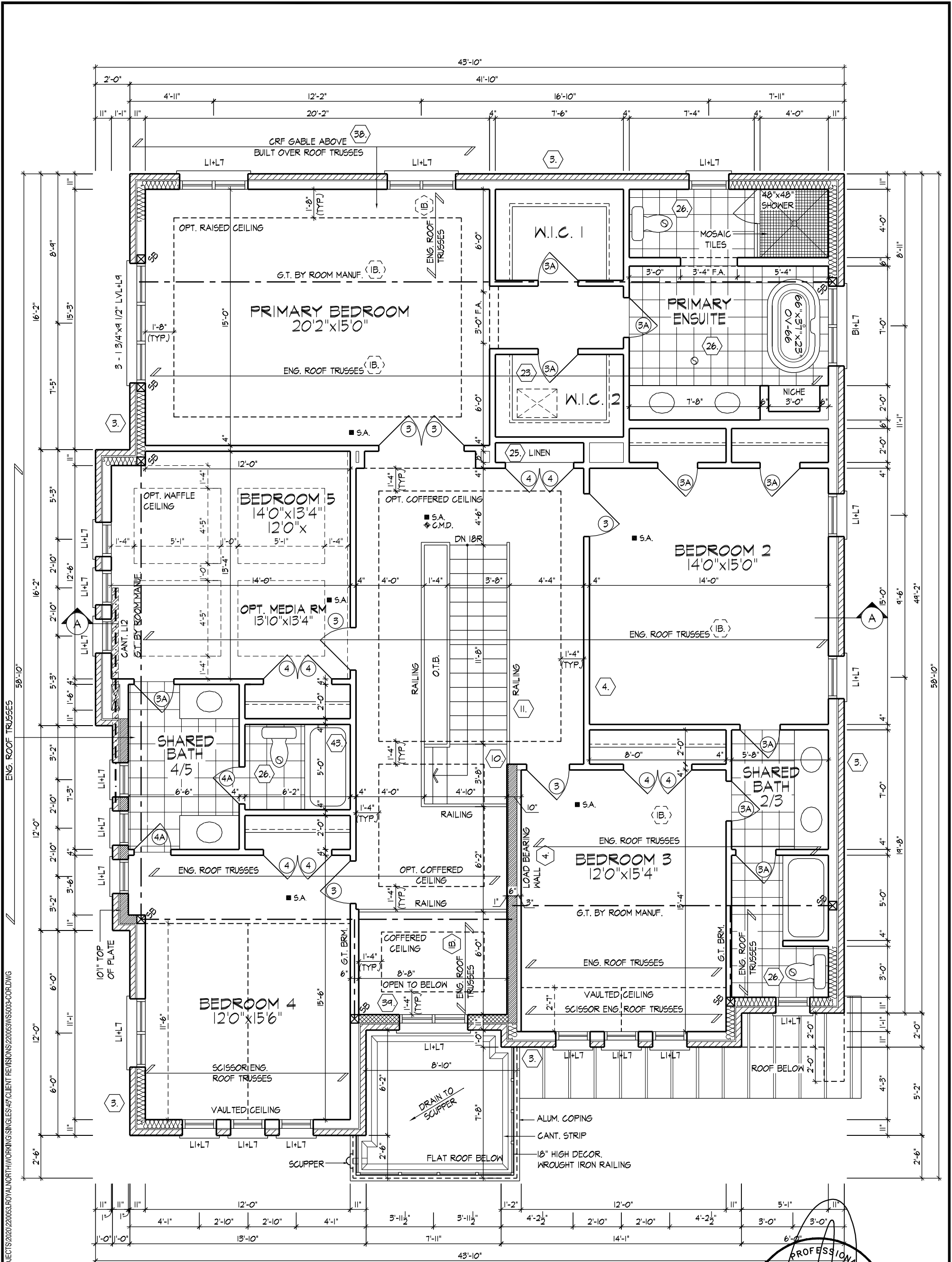
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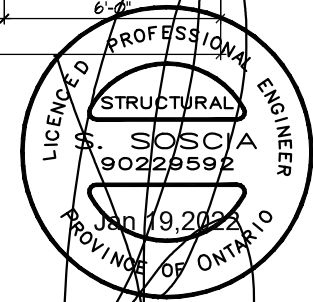
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SECOND FLOOR PLAN, EL. 'A'

NOTE:
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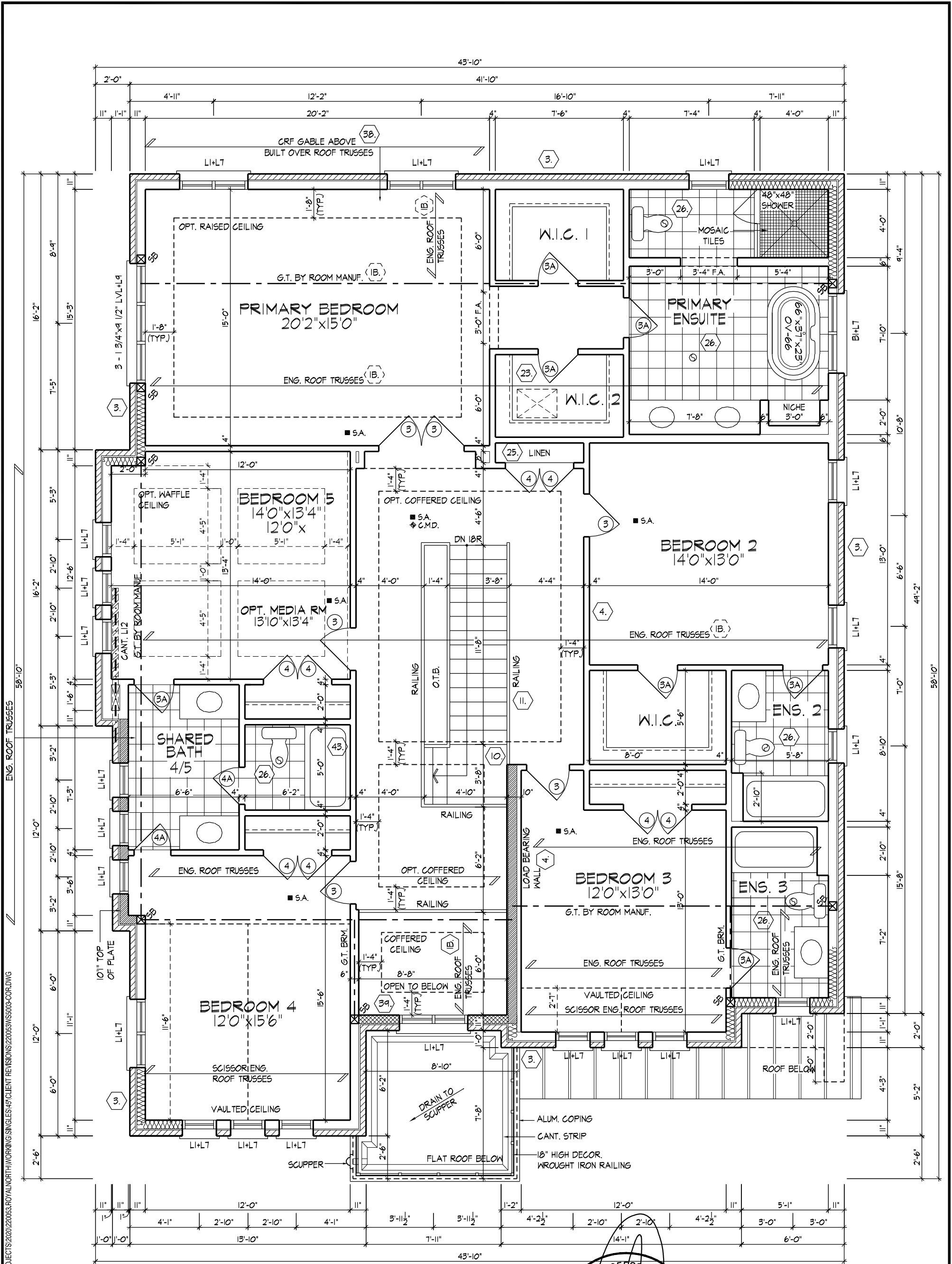
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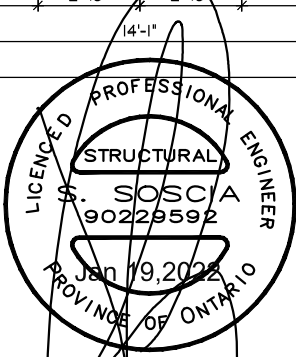
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OPT. SECOND FLOOR PLAN, EL. 'A'

NOTE:
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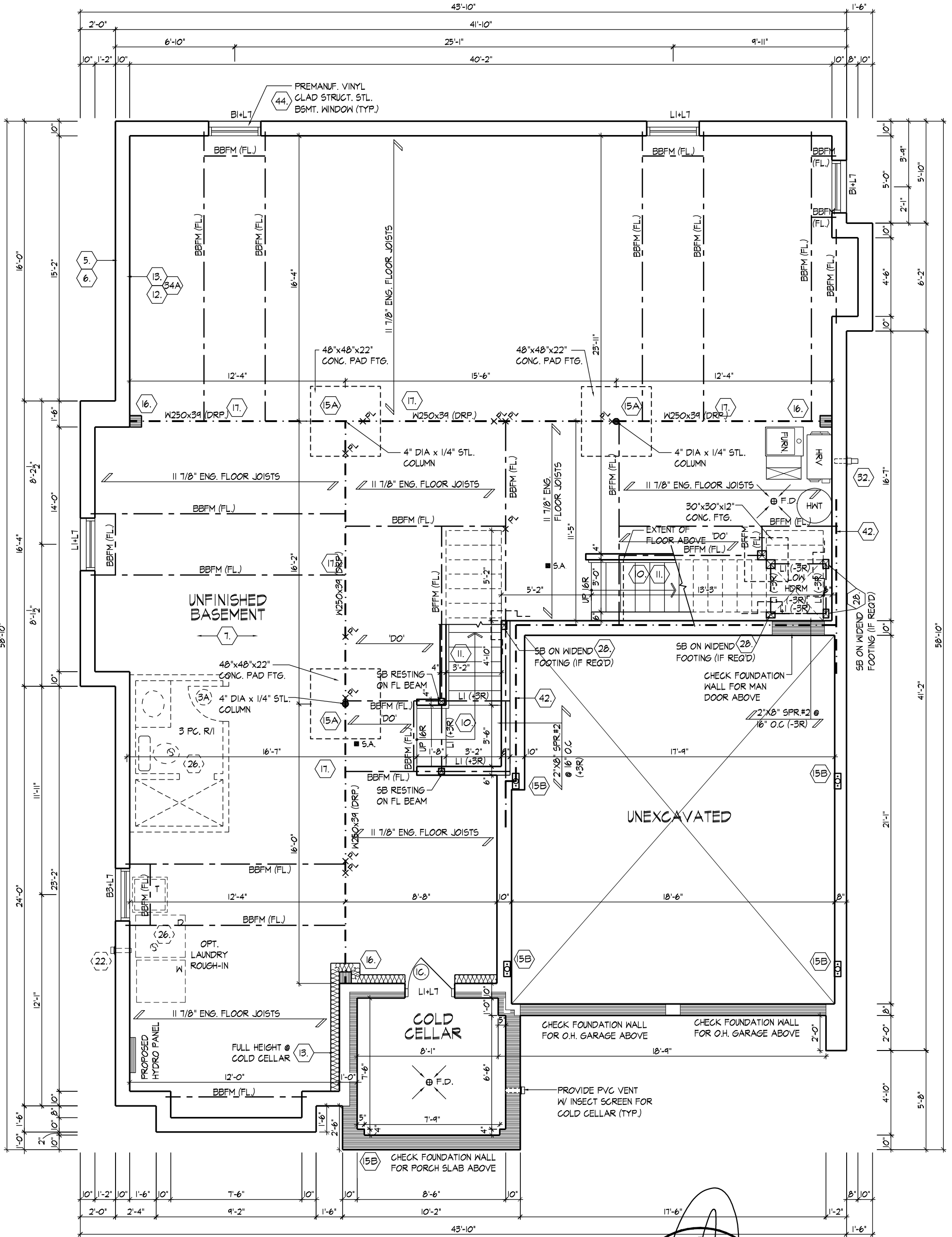
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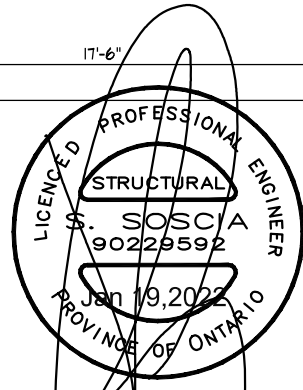


BASEMENT PLAN, EL. 'B'

APPROX. LOCATION OF
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PROVIDE SOLID WOOD BLOCKING @
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WHEN PARALLEL W/ EXTERIOR WALL



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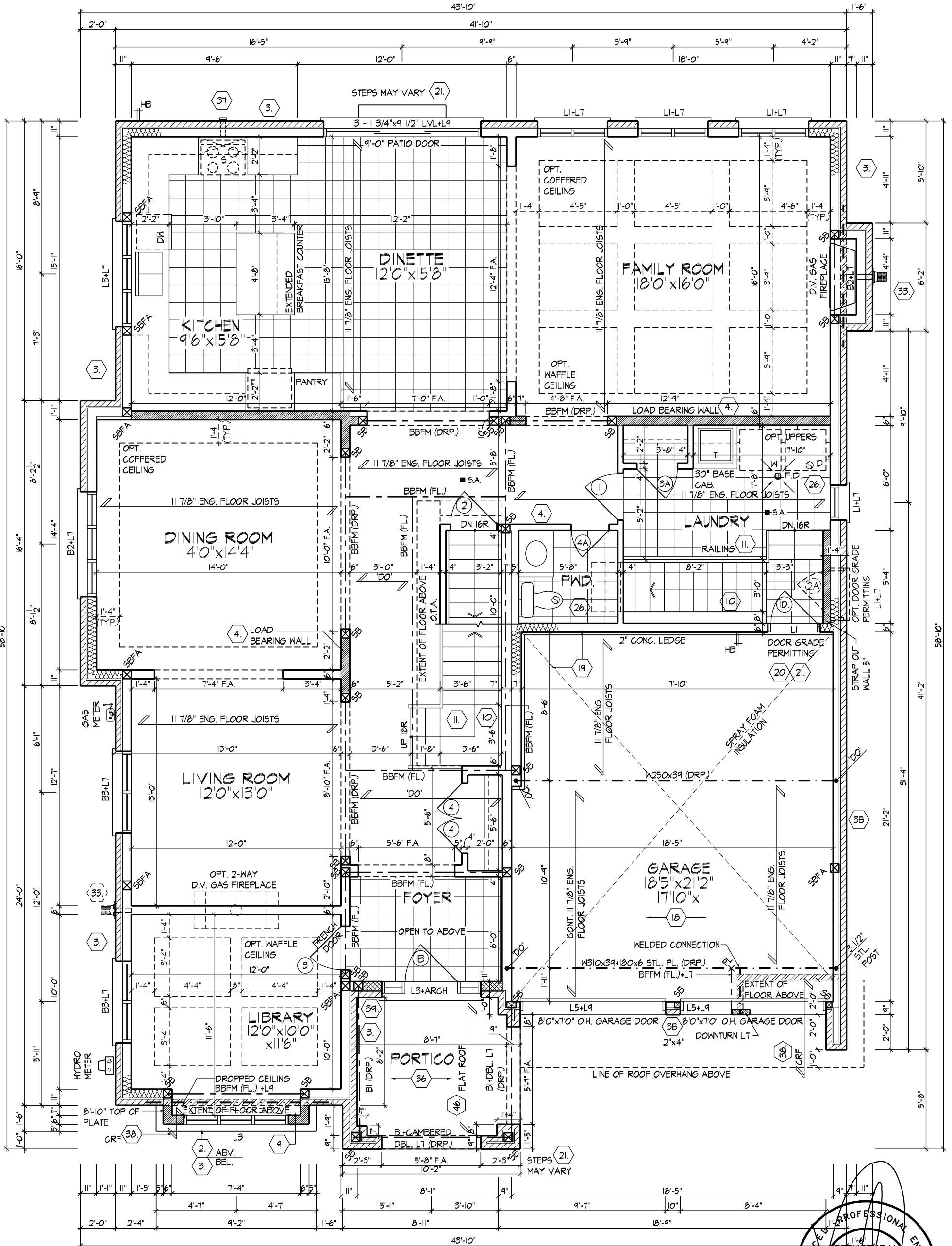
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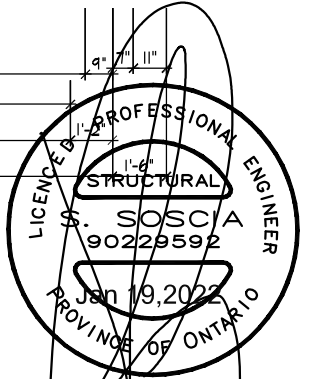
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GROUND FLOOR PLAN, EL. 'B'

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

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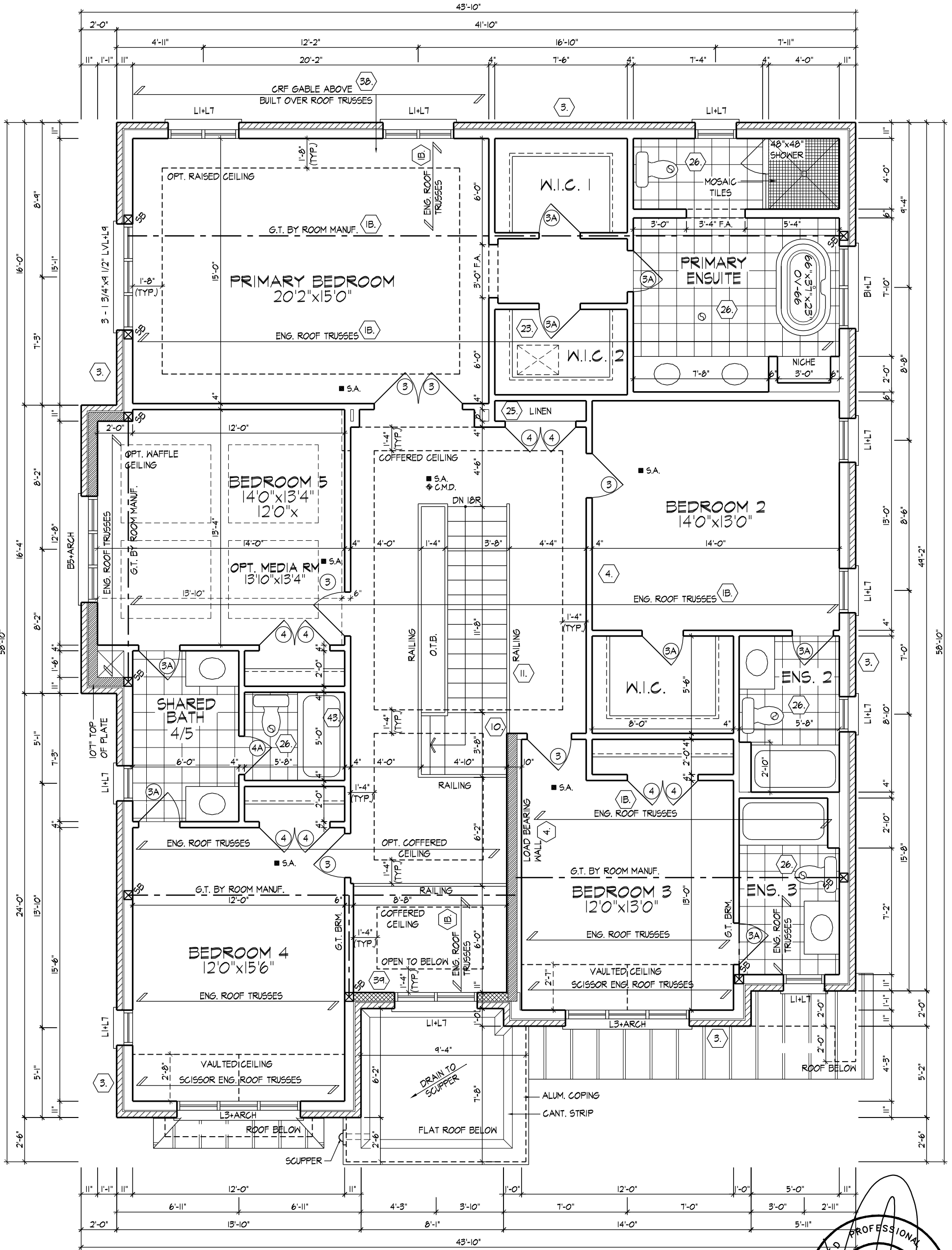
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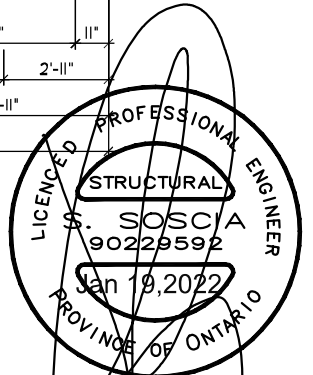
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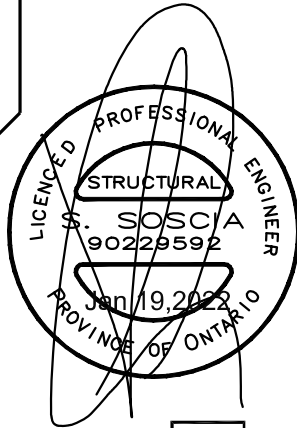
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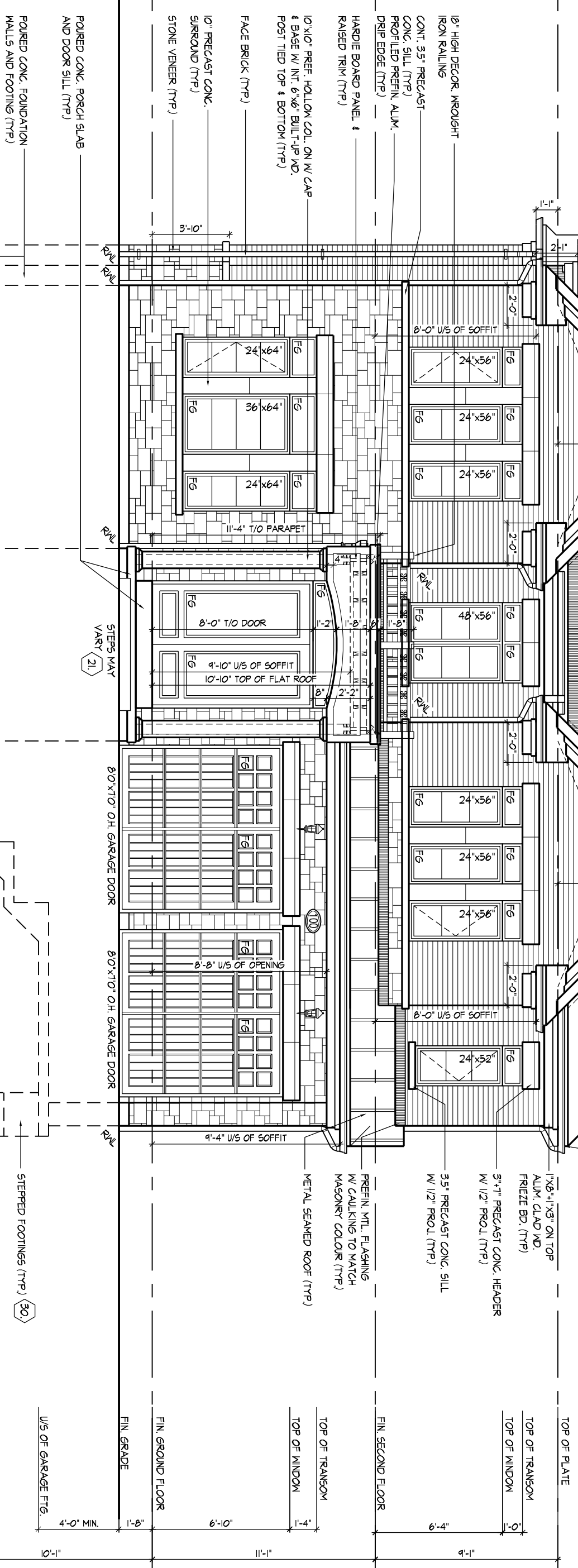
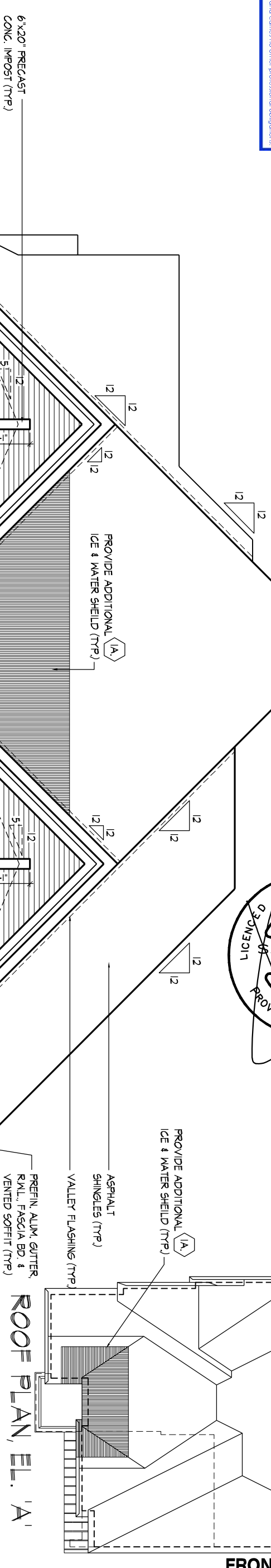
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ROOF OVERHANGS TO BE 12"
UNLESS NOTED OTHERWISE



FRONT ELEVATION 'A'

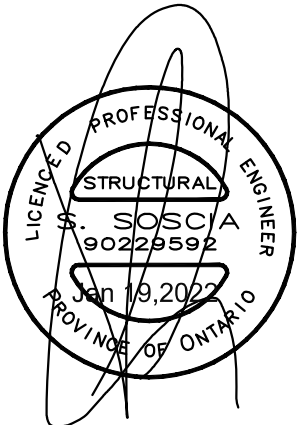
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ROOF PLAN, EL. 'A'

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FLANKAGE ELEVATION 'A'

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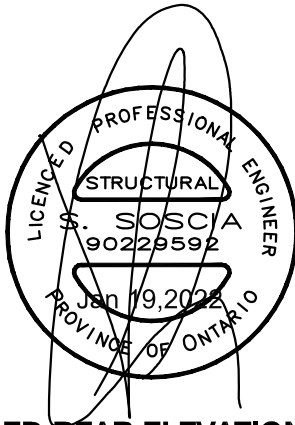
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UPGRADED REAR ELEVATION 'A'

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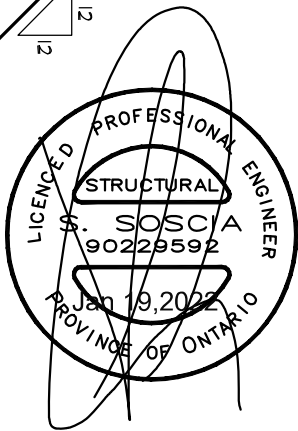
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NAME: Derek, R. Santos
SIGNATURE: [Signature]
REGISTRATION INFORMATION: 37308 BCIN
HUNT DESIGN ASSOCIATES INC. 19695

Drawn By: NN
Checked By: MM
Scale: 3/16"=1'-0"
File Number: 220053WS5003-COR
Page Number: 13 of 22
8966 Woodbine Ave, Markham, ON L3R 0J7 T 905.737.5133 F 905.737.7326

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W Architect Inc.
DESIGN CONTROL REVIEW
JANUARY 21, 2022
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ROOF OVERHANGS TO BE 12"
UNLESS NOTED OTHERWISE

7" PRECAST CONC. HEADER ON 8"x26" DEC. LOUIRE ON PRECAST CONC. SILL W/ 1/2" PROJ. (TYP.)
ASPHALT SHINGLES (TYP.)
VALLEY FLASHING (TYP.)
PREFIN. ALUM. GUTTER, RAIL, FASCIA BD. & VENTED SOFFIT (TYP.)

PROVIDE ADDITIONAL (A) ICE & WATER SHIELD (TYP.)

ROOF PLAN, EL. 'B'

FRONT ELEVATION 'B'

FRONT ELEVATION 'B'

INT. PORTICO, EL. 'B'

POURED CONC. PORCH SLAB AND DOOR SILL (TYP.)
POURED CONC. FOUNDATION WALLS AND FOOTING (TYP.)

STEPS MAY VARY (2)
4"x7" PRECAST CONC. BAND W/ DRIP EDGE (TYP.)

STEPPED FOOTINGS (TYP.) (30)

TOP OF BASEMENT SLAB

U/S OF GARAGE FTG.

4'-0" MIN.

10'-1"

FIN. GRADE

FIN. GROUND FLOOR

1'-9"

6'-0"

PREFIN. MTL. FLASHING W/ CAULKING TO MATCH MASONRY COLOUR (TYP.)
COACH LIGHT
3"x7" PRECAST CONC. HEADER & KEYSTONE W/ 1/2" PROJ. (TYP.)

TOP OF TRANSOM

1'-4"

TOP OF WINDOW

11'-1"

FIN. SECOND FLOOR

6'-4"

9'-1"

1"x8"+1"x3" ON TOP ALUM. CLAD WD. FRIEZE BD. (TYP.)
3"x7" PRECAST CONC. HEADER ON 3"x7" PRECAST CONC. SURROUND W/ 1/2" PROJ. (TYP.)
3.5" PRECAST CONC. SILL W/ 1/2" PROJ. (TYP.)

TOP OF TRANSOM

1'-0"

TOP OF WINDOW

6'-4"

VAULTED CEILING BEYOND (TYP.)

TOP OF PLATE

3"x7" SELF SUPPORTING PRECAST CONC. ARCH HEADER W/ KEYSTONE ON 3"x7" PRECAST CONC. SURROUND W/ 1/2" PROJ. (TYP.)
3.5" PRECAST CONC. SILL ON 7" PRECAST CONC. BAND W/ 1/2" PROJ. (TYP.)
SCUPPER
METAL SEAMED ROOF (TYP.)
8" PROFILED HARDIE FRIEZE BOARD (TYP.)
HARDIE BD. PANEL & RAISED TRIM (TYP.)
FACE BRICK (TYP.)
3.5" CONT. PRECAST CONC. SILL W/ 1/2" PROJ. (TYP.)
STONE VENEER (TYP.)
3"x7" SELF SUPPORTING PRECAST CONC. ARCH HEADER W/ 1/2" PROJ. (TYP.)
11'-2" U/S OF SOFFIT
8'-0" T/O DOOR
1'-4"
1'-0"
8"
1'-2" U/S OF SOFFIT

R/W

R/W

8'0"x10' O.H. GARAGE DOOR

8'0"x10' O.H. GARAGE DOOR

R/W

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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

Derek, R. Santos

NAME
REGISTRATION INFORMATION

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ROYAL PINE HOMES - 220053
VALES OF HUMBER 'NORTH', BRAMPTON, ON.

Drawn By

NN

Checked By

MM

Scale

3/16"=1'-0"

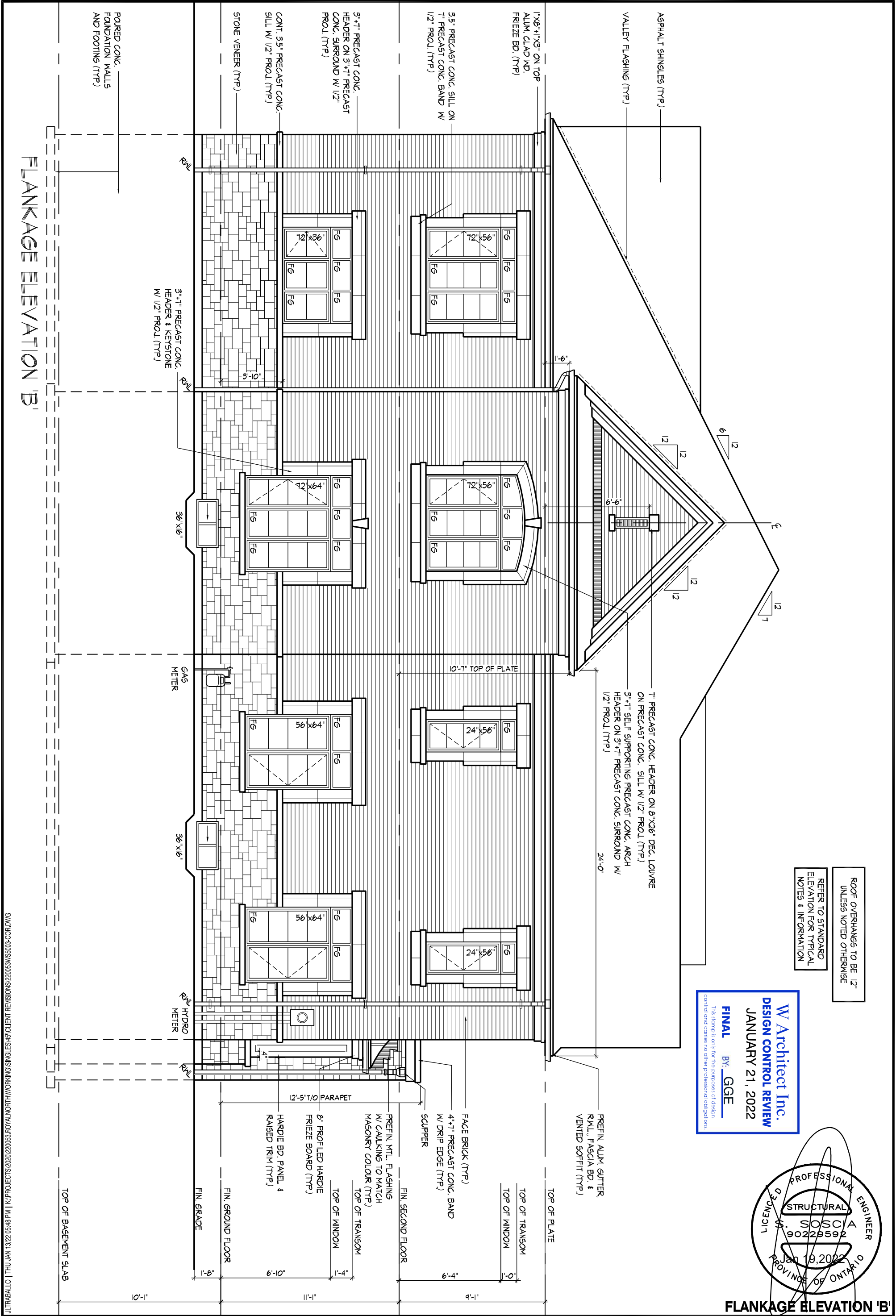
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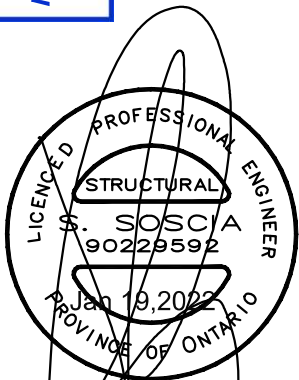
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REFER TO STANDARD
ELEVATION FOR TYPICAL
NOTES & INFORMATION

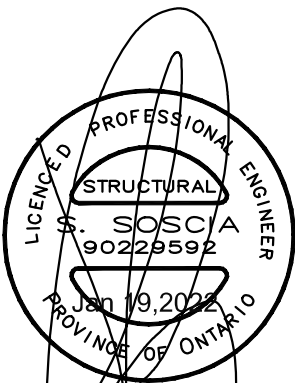
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FLANKAGE ELEVATION 'B'

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ELEVATION FOR TYPICAL
NOTES & INFORMATION



UPGRADED REAR ELEVATION 'B'

UNIT - 5003-COR
REV.2022.01.13

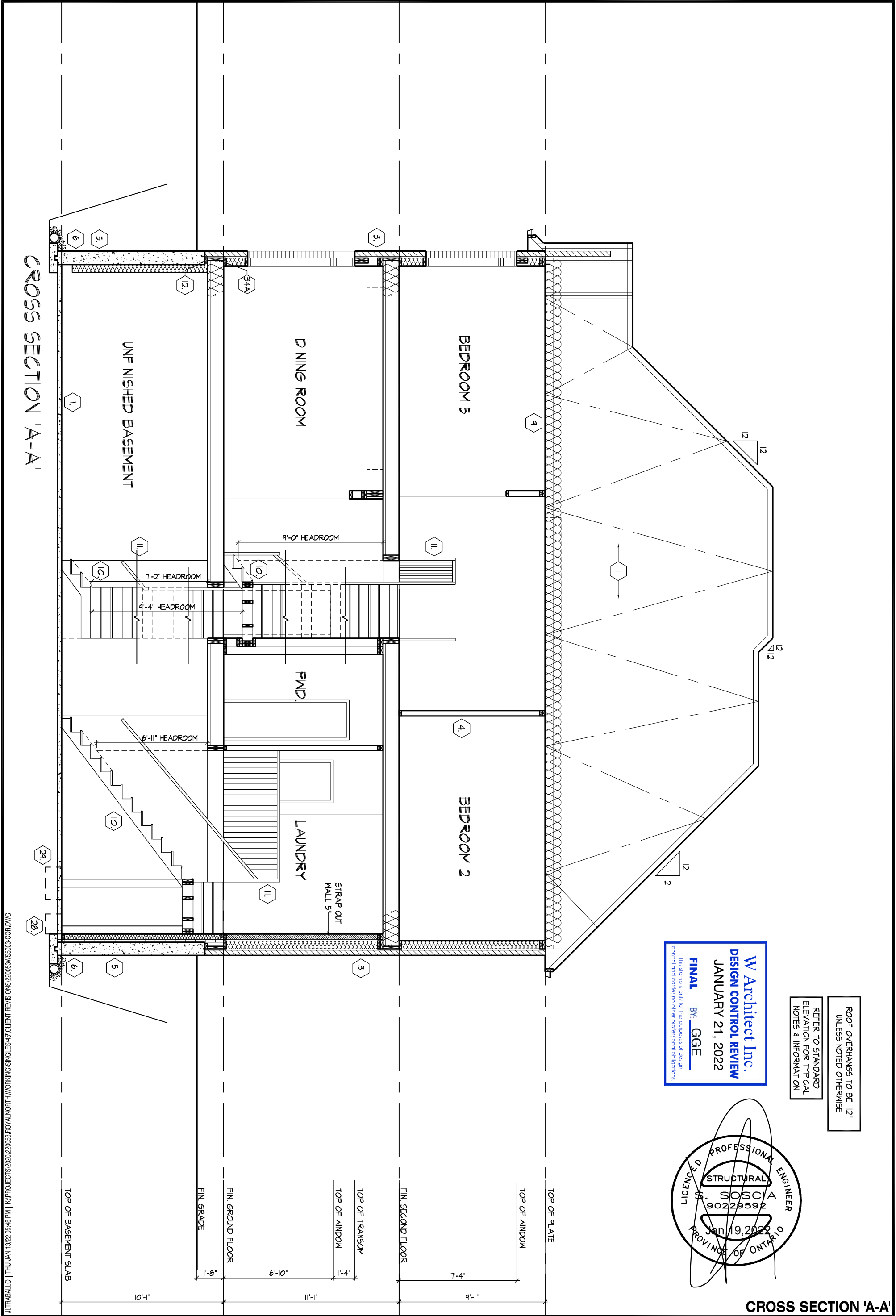
ROYAL PINE HOMES - 220053
VALES OF HUMBER 'NORTH', BRAMPTON, ON.

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NN	MM	3/16"=1'-0"	220053WS5003-COR	17 of 22
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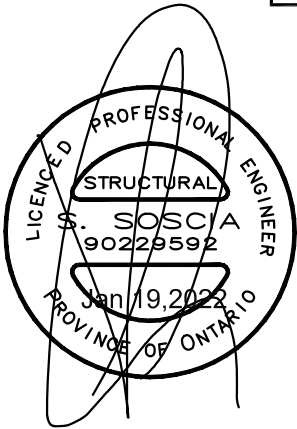
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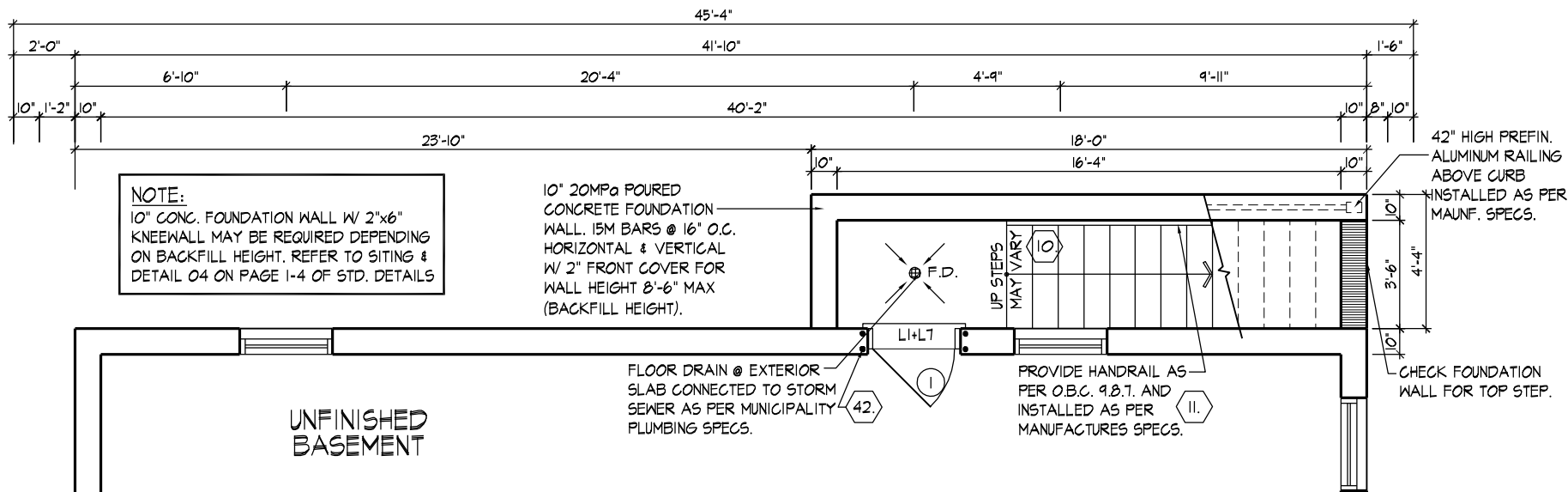
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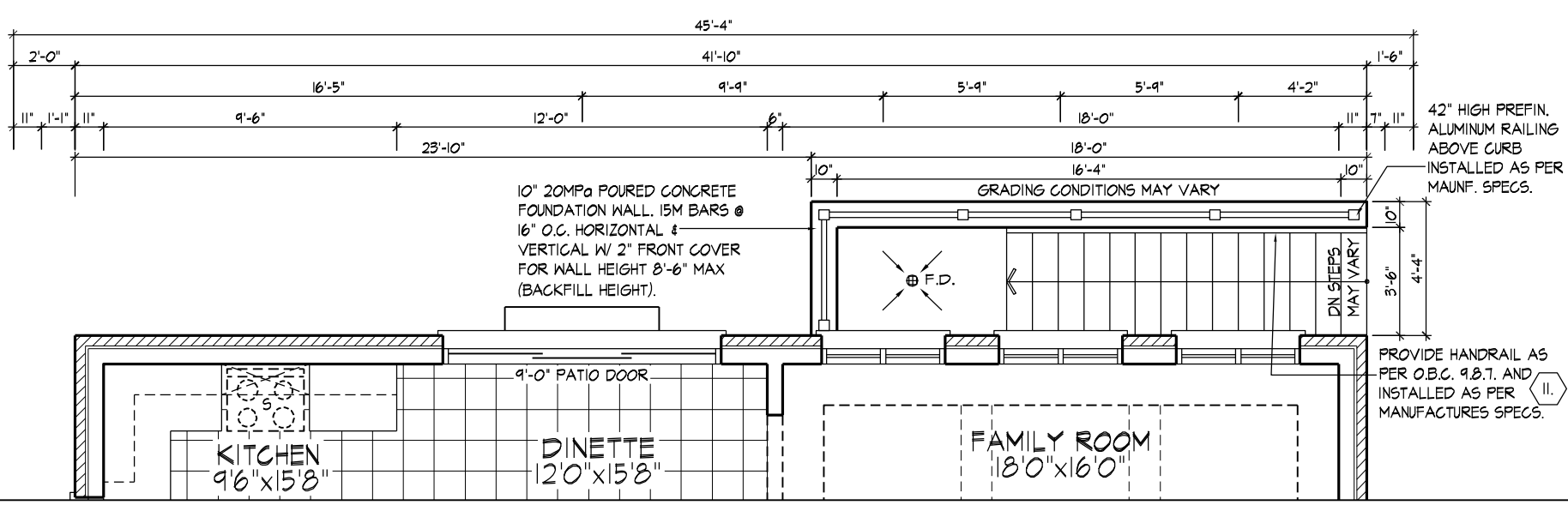


CROSS SECTION 'A-A'

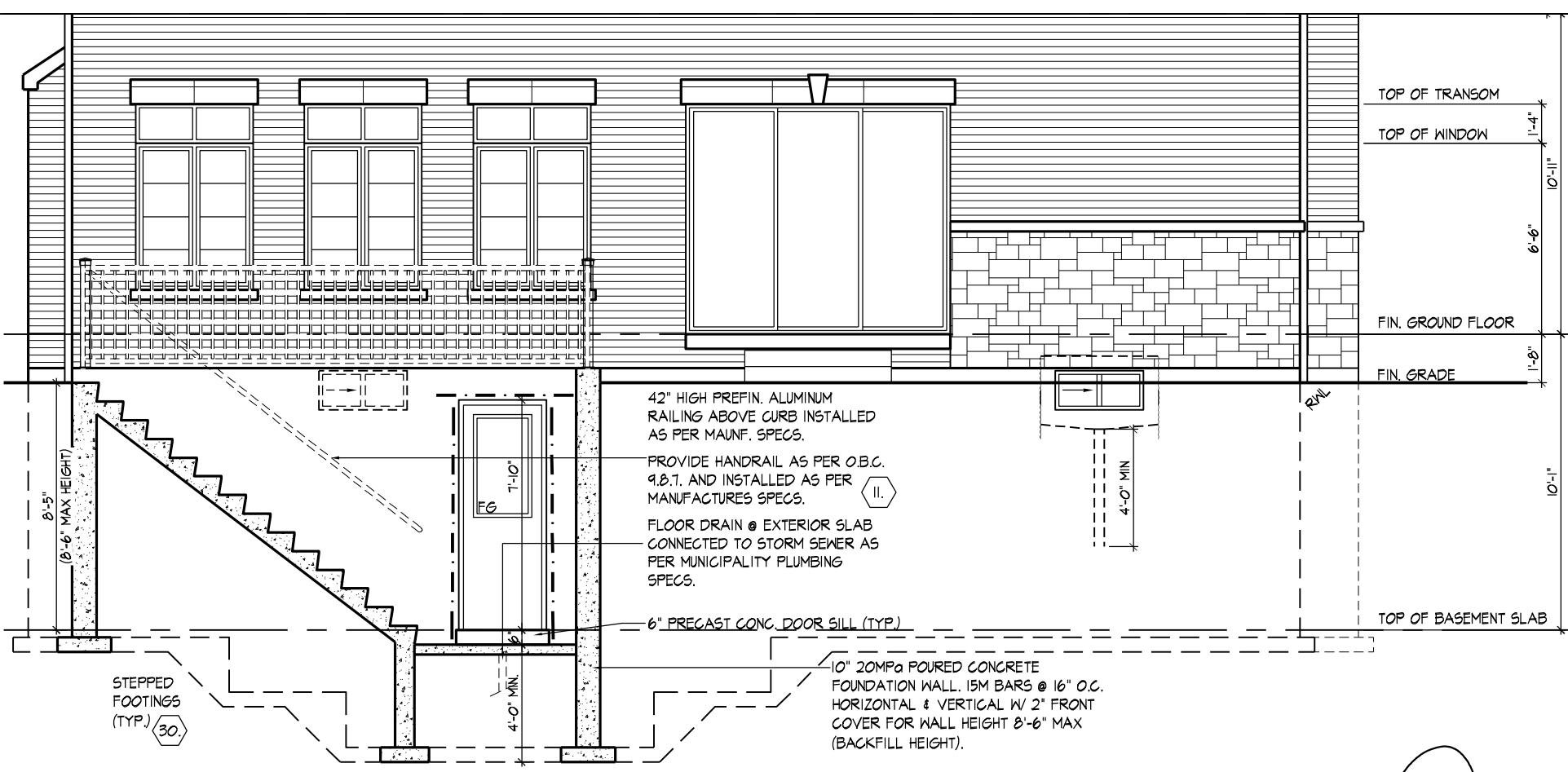
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PART. BASEMENT PLAN, EL. 'A' & 'B' W.U.B. COND.



PART. GROUND FLOOR PLAN, EL. 'A' & 'B' W.U.B. COND.



PART. REAR ELEVATION 'A' & 'B' W.U.B. COND.

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

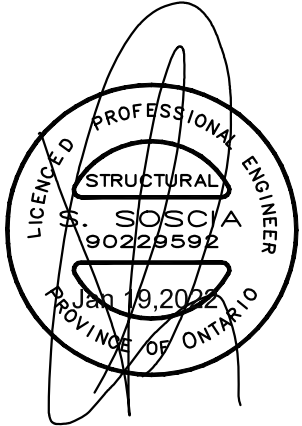
REFER TO FLOOR JOIST MANUFACTURER'S DRAWINGS FOR LAYOUT, SPACING, BLOCKING & STRAPPING REQUIREMENTS, INSTALLATION DETAILS AND HANGER SIZES, & SUBFLOOR THICKNESS

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

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DESIGN CONTROL REVIEW
JANUARY 21, 2022

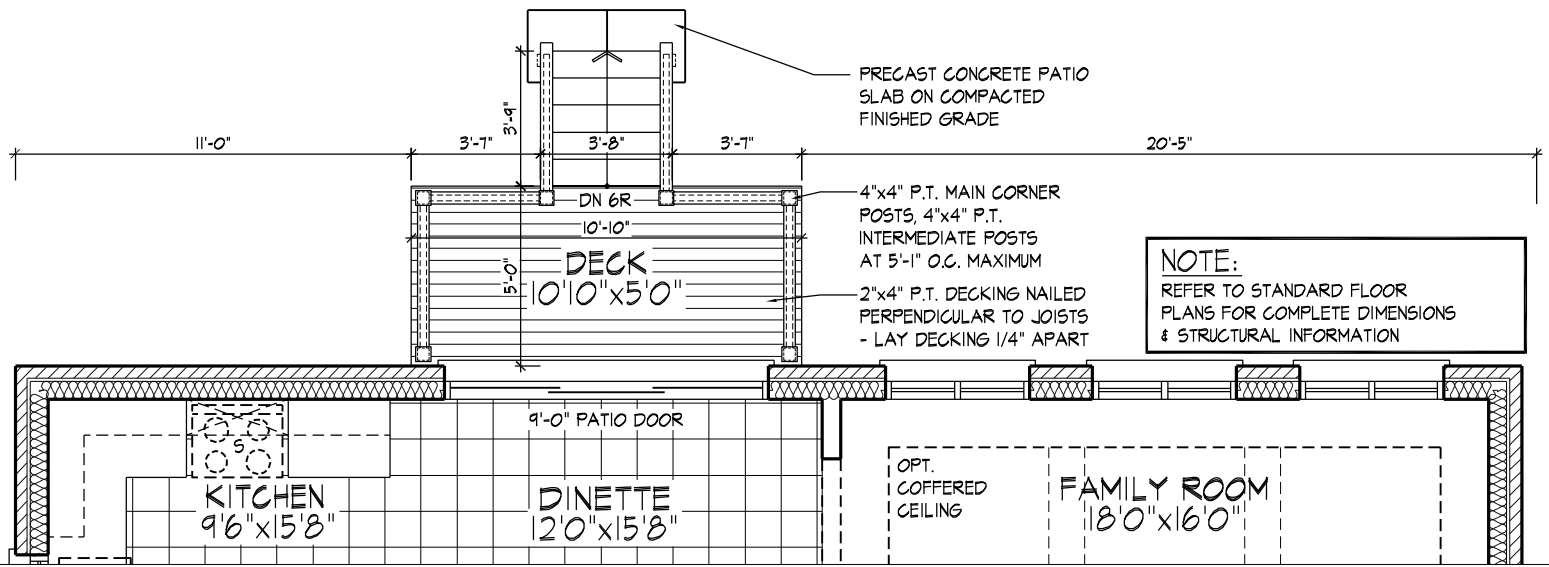
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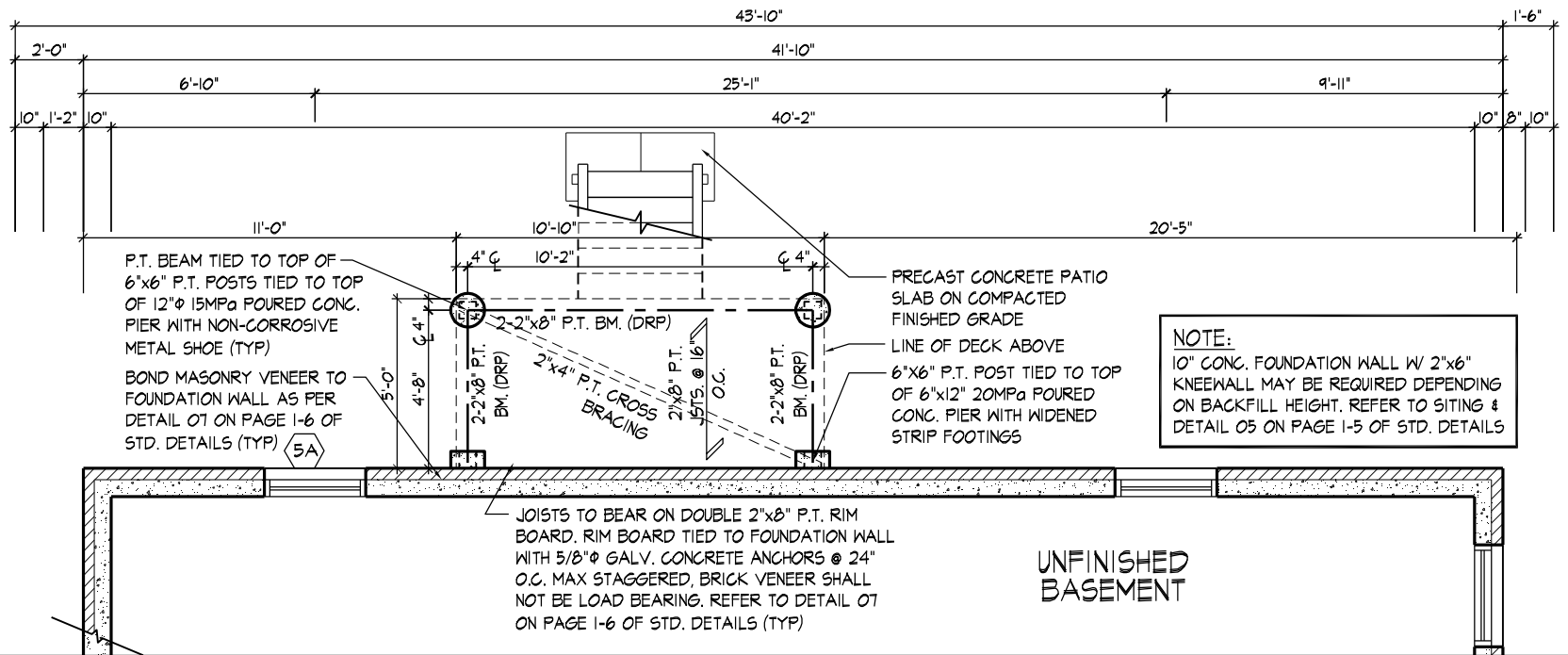


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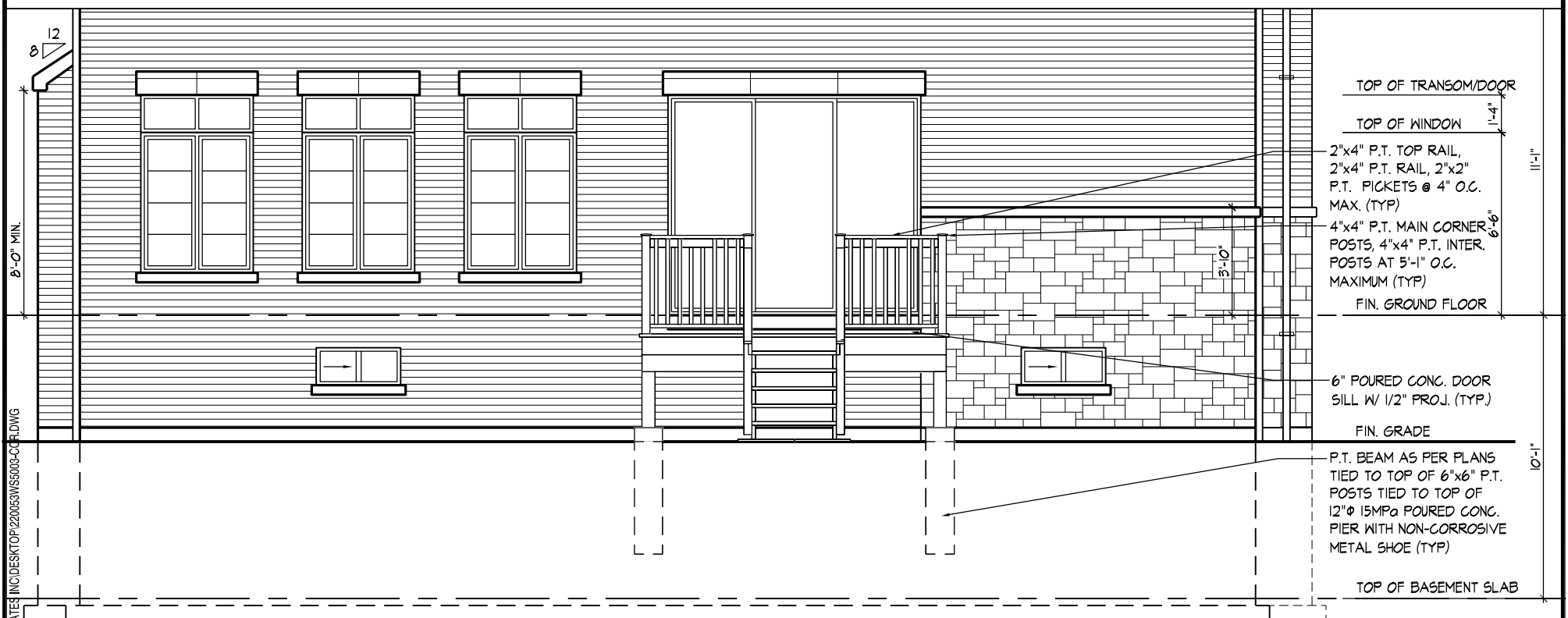




PART. GROUND FLOOR PLAN, EL. 'A' & 'B' W.O.D. COND.



PART. BASEMENT PLAN, EL. 'A' & 'B' W.O.D. COND.



PART. UPGRADED REAR ELEVATION 'A' & 'B' W.O.D. COND.

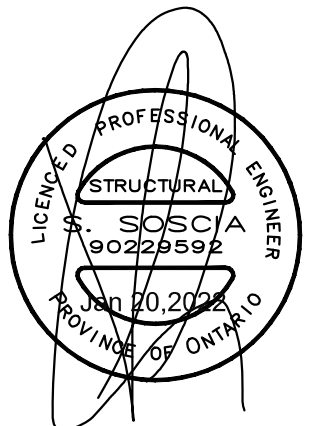
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WALK-OUT (max 6r) DECK CONDITION

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UNIT - 5003-COR
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