



UNIT 2502 - 'THE ROSE GARDEN'

SB-12 ENERGY EFFICIENCY DESIGN MATRIX

PERFORMANCE

BUILDING COMPONENT	SPACE HEATING FUEL	
	☐ GAS	☐ OIL
	☐ ELECTRIC	☐ PROPANE
	☐ EARTH	☐ SOLID FUEL
	NOMINAL	MIN. EFF.
INSULATION RSI (R) VALUE		
CEILING W/ ATTIC SPACE	60	59.22
CEILING W/O ATTIC SPACE	31	27.65
EXPOSED FLOOR	31	29.80
WALLS ABOVE GRADE	22+1.5	21.40
BASEMENT WALLS	20	21.12
* 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	10	10
HEATED SLAB OR SLAB ≤ 600mm BELOW GRADE	10	11.13
WINDOWS & DOORS		
WINDOWS/SLIDING GLASS DOORS (MAX U-VALUE)	1.6	-
SKYLIGHTS (MAX. U-VALUE)	2.6	-
APPLIANCE EFFICIENCY		
SPACE HEATING EQUIP. (AFUE%)	96%	-
HRV EFFICIENCY (%)	75%	-
DOMESTIC HOT WATER HEATER (EF)	0.9	-
DWHR UNIT (%)	53.3% ON 1 SHOWERS MIN.	-

AREA CALCULATIONS EL. 'A1'(REV) EL. 'B1'(REV)

	& EL. 'A2'	& EL. 'B2'
GROUND FLOOR AREA	924 sq. ft. (85.84 sq. m.)	924 sq. ft. (85.84 sq. m.)
SECOND FLOOR AREA	1097 sq. ft. (101.91 sq. m.)	1097 sq. ft. (101.91 sq. m.)
SUBTOTAL	2021 sq. ft. (187.76 sq. m.)	2021 sq. ft. (187.76 sq. m.)
DEDUCT ALL OPEN AREAS	0 sq. ft. (0.00 sq. m.)	0 sq. ft. (0.00 sq. m.)
TOTAL NET AREA	2021 sq. ft. (187.76 sq. m.)	2021 sq. ft. (187.76 sq. m.)
FINISHED BASEMENT AREA	0 sq. ft. (0.00 sq. m.)	0 sq. ft. (0.00 sq. m.)
COVERAGE W/OUT PORCH	1142 sq. ft. (106.10 sq. m.)	1142 sq. ft. (106.10 sq. m.)
COVERAGE W/ PORCH	1220 sq. ft. (113.34 sq. m.)	1220 sq. ft. (113.34 sq. m.)

- 1 - TITLE PAGE
- 2 - BASEMENT PLANS ELEV. 'A1', 'B1' (REV.) & 'A2', 'B2'
- 2A - 25-02 for BLK. 291 - TH. 16 & TH. 17 BASEMENT PLAN ELEV. A1 & B1 (REV.)
- 3 - GROUND FLOOR PLANS, ELEV. 'A1' (REV.) & 'A2'
- 3A - 25-02 for BLK. 291 - TH. 16 & TH. 17 GROUND FLOOR PLAN ELEV. B1 (REV.) & B2
- 4 - SECOND FLOOR PLANS, ELEV. 'A1' (REV.) & 'A2'
- 4A - OPT. SECOND FLOOR PLANS, ELEV. 'A1' (REV.) & 'A2' WITH OPT. 4 BEDROOM
- 4B - PARTIAL OPT. SECOND FLOOR PLANS, ELEV. 'A1' 4 PC ENSUITE
- 5 - PARTIAL FLOOR PLANS, ELEV. 'B1' (REV.) & 'B2'
- 6 - ROOF PLANS/ PARTIAL FIREWALL n.t.s./ PARTIAL ELEVATIONS
- 7 - FRONT & REAR ELEVATION 'A1' (REV.), 'A2'
- 8 - FRONT ELEVATION EL B1 REV. & B2
- 9 - LEFT SIDE ELEV. 'A1' (REV) & RIGHT SIDE ELEV. 'A2'
- 10 - LEFT SIDE ELEV. 'B1' (REV) & RIGHT SIDE ELEV. 'B2'
- 11 - REAR ELEVATION EL A1 & A2/ B1 & B2
- 12 - PARTIAL PLANS AND ELEVATIONS FOR DECK CONDITIONS
- 13 - CROSS SECTION A-A

WINDOW / WALL AREA CALCULATIONS	EL. 'A1'	EL. 'A2'	EL. 'B1'	EL. 'B2'
	STD	STD	STD	STD
GROSS WALL AREA	2899 sq. ft. (269.33 sq. m.)	2899 sq. ft. (269.33 sq. m.)	2899 sq. ft. (269.33 sq. m.)	2899 sq. ft. (269.33 sq. m.)
GROSS WINDOW AREA (INCL. GLASS DOORS & SKYLIGHTS)	223 sq. ft. (20.72 sq. m.)	223 sq. ft. (20.72 sq. m.)	249 sq. ft. (23.13 sq. m.)	249 sq. ft. (23.13 sq. m.)
TOTAL WINDOW %	7.69 %	7.69 %	8.59 %	8.59 %
	EL. 'A1'	EL. 'A2'	EL. 'B1'	EL. 'B2'
	WOD	WOD	WOD	WOD
	2965 sq. ft. (275.46 sq. m.)	2965 sq. ft. (275.46 sq. m.)	2965 sq. ft. (275.46 sq. m.)	2965 sq. ft. (275.46 sq. m.)
	226 sq. ft. (21.00 sq. m.)	226 sq. ft. (21.00 sq. m.)	252 sq. ft. (23.41 sq. m.)	252 sq. ft. (23.41 sq. m.)
	7.62 %	7.62 %	8.50 %	8.50 %

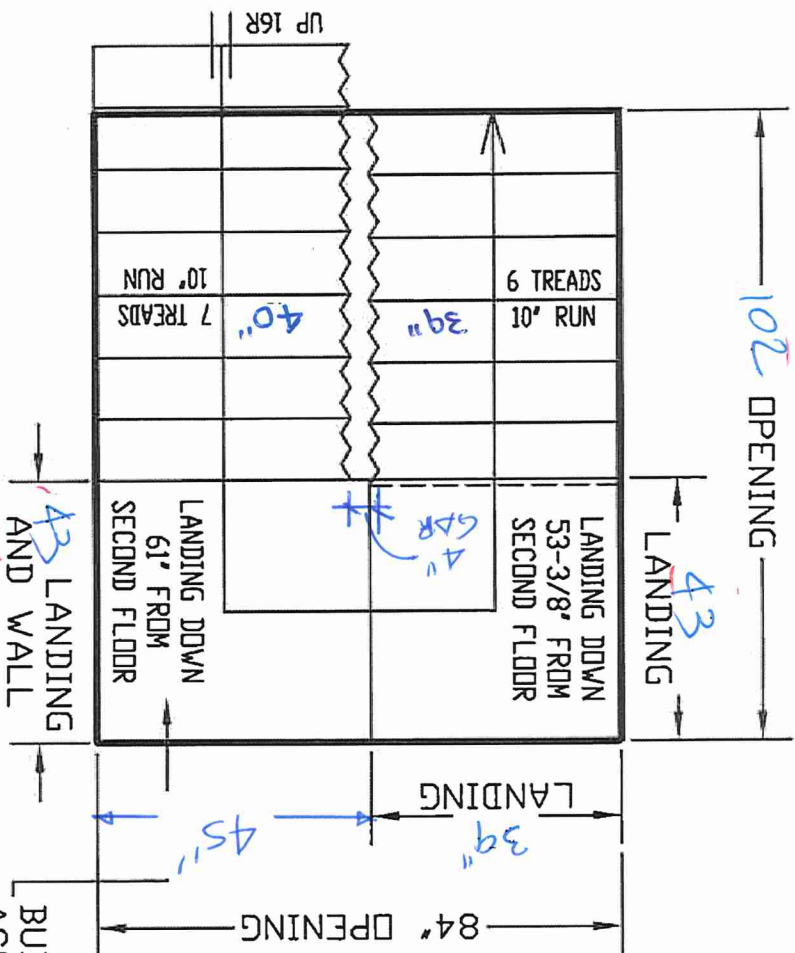


7. ISSUED FOR PERMIT	-	-
6. ISSUED FOR FINAL APPROVAL	2024/03/19	MM
5. REVISED AS PER ARCHITECTURAL CONTROL COMMENTS	-	-
4. REVISED AS PER ENGINEER COMMENTS	2023/02/14	MM
3. REVISED AS PER ROOF TRUSS MANUFACTURE PLANS	2022/06/14	MM
2. REVISED AS PER FLOOR MANUFACTURE PLANS	2022/06/13	MM
1. REVISED AS PER CLIENT'S COMMENTS	2021/09/29	DSI
REVISIONS	DATE (YYYYMMDD)	BY

Royal Pine Homes/Summer Ridge Estates Inc.-216051 UNIT-2502
"MAYFIELD VILLAGE", BRAMPTON, ON. REV.2024.03.14

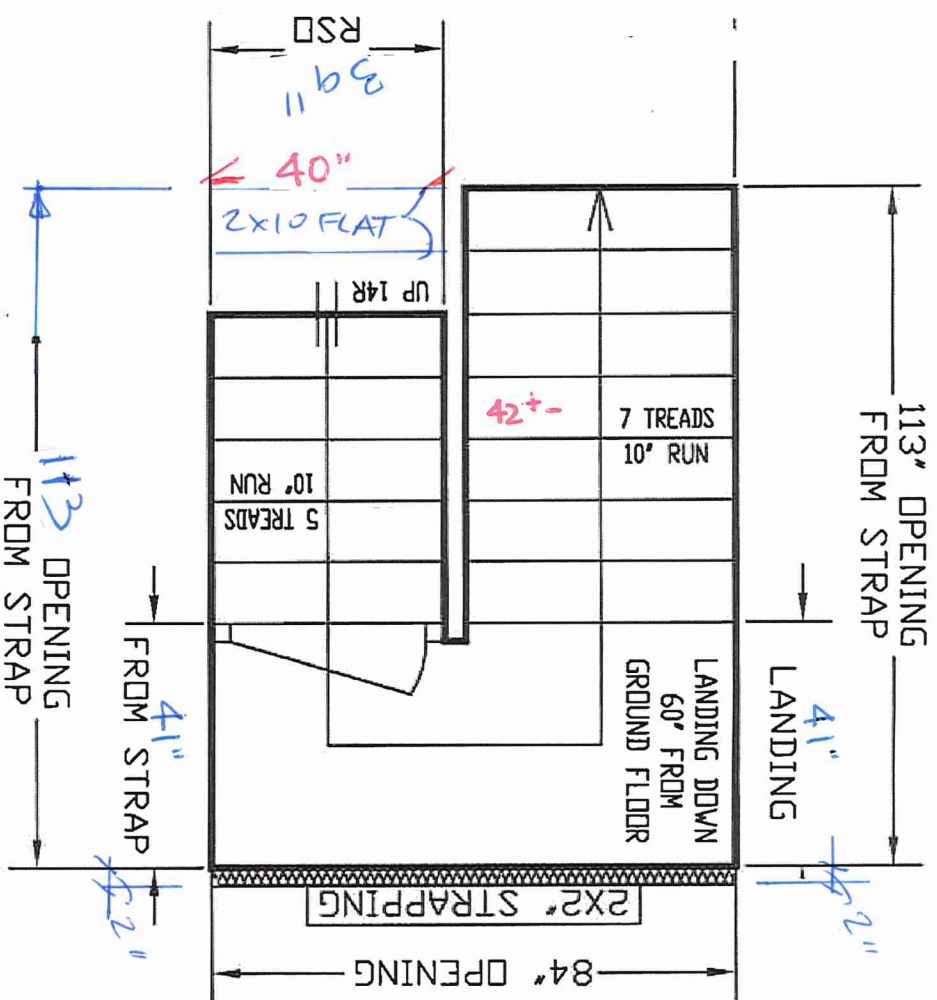
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GROUND TO SECOND
122' HT 11-7/8" JOIST



BUILD LOWER LANDING
ACROSS THE OPENING

BASEMENT TO GROUND
BSMT 11-7/8" JOIST



< GARAGE LEFT

ALL OPENINGS ARE ALLOWED FOR 1 LAYER OF DRY WALL
ANY ADDITIONAL LAYERS MUST BE ALLOWED BY CARPENTERS

NO WALLS UNTIL
STAIRS INSTALLED



Quality Go Step Up Go

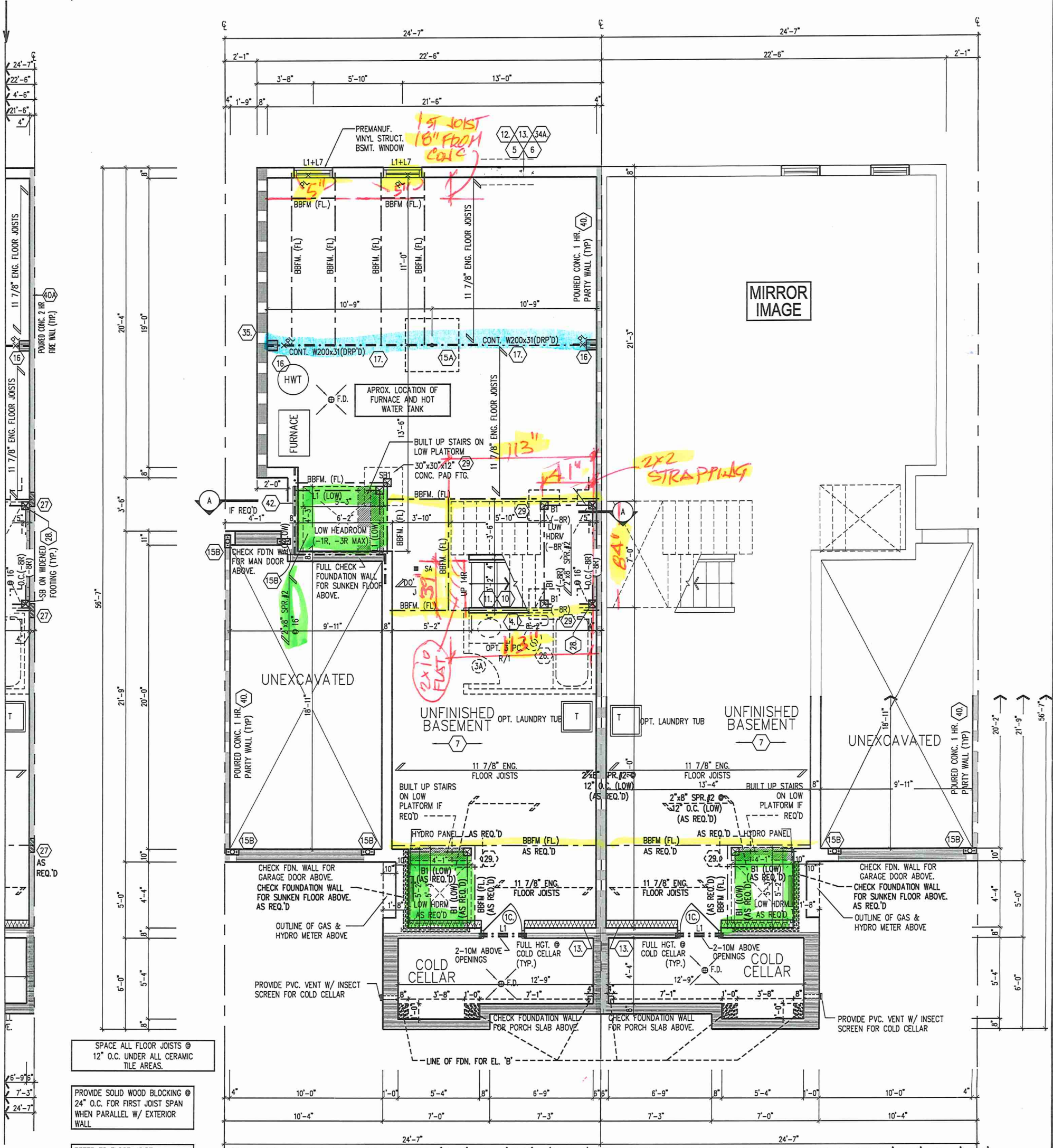
ALL LANDINGS TO BE SUPPLIED AND SUPPORTED BY OTHERS UNLESS SPECIFIED ABOVE
ANY STRAPPING ALLOWANCES TO BE COMPENSATED BY CARPENTERS
ALL STAIR DIMENSIONS MAY BE MODIFIED FROM ORIGINAL BLUE PRINTS OR SPECS AS SUPPLIED TO ALPA STAIRS AND RAILINGS INC. MEASUREMENTS SHOWN ON LAYOUTS ARE REQUIRED TO INSTALL OUR STAIRS. ANY PROBLEM WITH HEADROOM OR STRAPPING ALLOWANCES, ALPA STAIRS AND RAILINGS INC. WILL NOT BE RESPONSIBLE. STAIR LAYOUTS SHOULD BE CHECKED BY CARPENTERS OR SITE SUPERS TO MAKE SURE THERE ARE NO DISCREPANCIES BEFORE PROCEEDING WITH CONSTRUCTION



ALPA STAIRS AND RAILINGS INC.
3770 NASHUA DRIVE, UNIT 3 MISSISSAUGA, ONTARIO L4V 1M6
TEL: (905) 694-9556 | www.alpastairs.com

SITE		DRAWN BY		NAME	DATE
MAYFIELD VILLAGE		PARAMJEET		PARAMJEET	JULY 11, 2024
LOT #		CLIENT		SUMMER RIDGE EST. INC	
Model	2502	LAYOUT #		SCALE: 1/32	

PART. BASEMENT PLAN
EL. 'A1' & 'B1' (REV)
W/ FIREWALL
(EL. 'A2' & 'B2'
SIMILAR)



BASEMENT PLAN ELEV 'A1' & 'B1' (REV) PARTIAL BASEMENT PLAN ELEV 'A2' & 'B2'

* 2x6 PLATE RAMSET TOP
OF BEAM
* CONFIRM BSMNT WINDOWS
CORRECT LOCATION

BLK 289

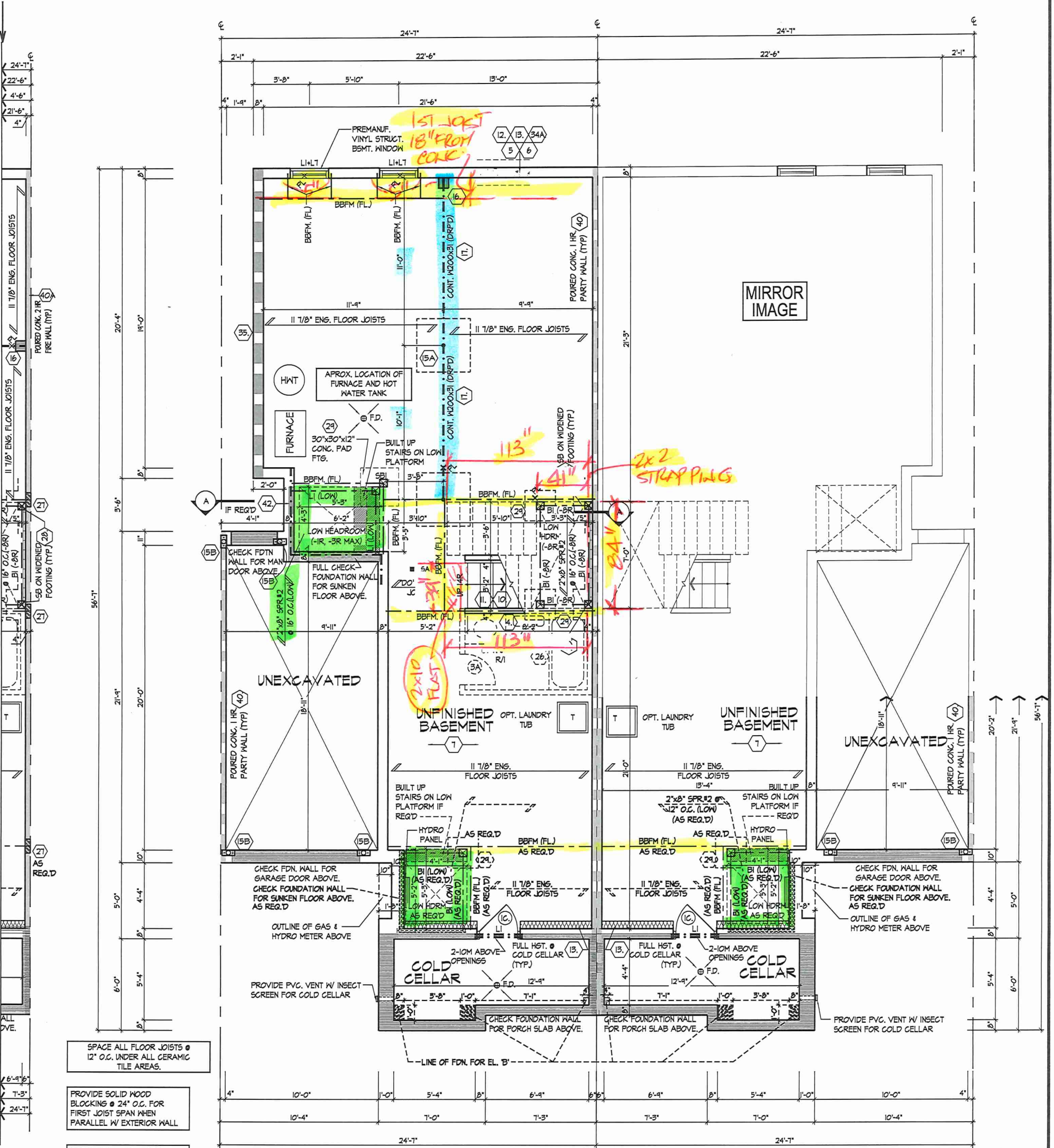
BASEMENT PLAN ELEV 'A1' & 'B1' (REV)/ 'A2' & 'B2'

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PART. BASEMENT
PLAN EL. 'A1' & 'B1'
(REV) W/ FIREWALL
(EL. 'A2' & 'B2'
SIMILAR)



BASEMENT PLAN ELEV 'A1' & 'B1' (REV) PARTIAL BASEMENT PLAN ELEV 'A2' & 'B2'

2x6 PLATE RAMSET TOP
OF BEAM
CONFIRM BASEMENT WINDOWS
CORRECT LOCATION

BLK 290, 292

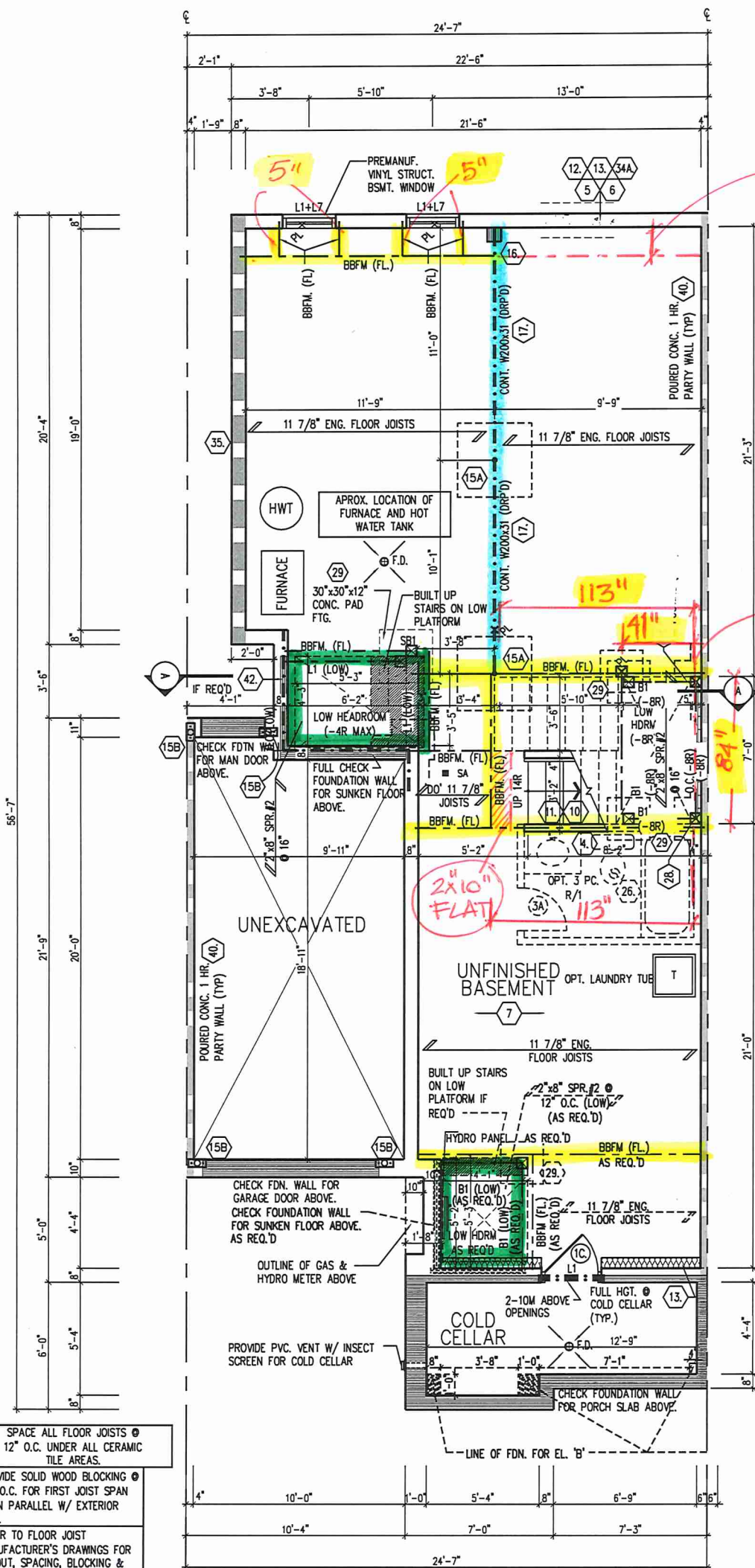
BASEMENT PLAN ELEV 'A1' & 'B1' (REV)/ 'A2' & 'B2'

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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.

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

BASEMENT PLAN ELEV 'A1' & 'B1' (REV)

* 2X6 PLATE RAMSET TOP OF BEAM

* CONFIRM BSMT. WINDOWS CORRECT LOCATION

BLK 291

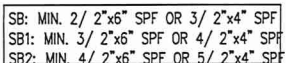
25-02 for BLK. 291 - TH. 16 & TH. 17 BASEMENT PLAN ELEV. A1 & B1 (REV.)



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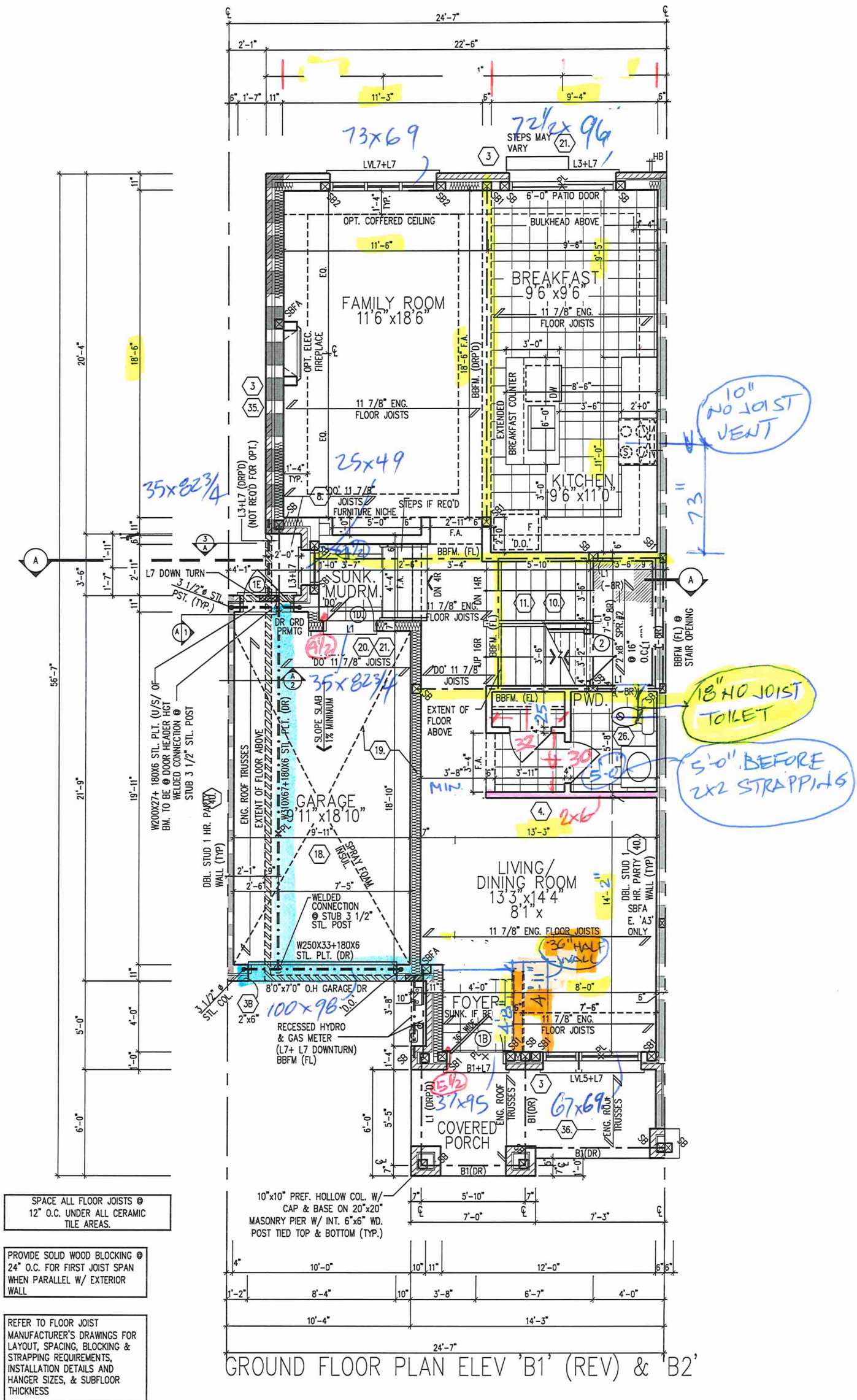
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-SD. + WINDOWS	96"
-INT. DOORS	83"
-ARCHES	96"
-FRONT DOOR	95"



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3550 Langstaff Road, Suite 200 Woodbridge, Ontario, L4L 9G3				

- S.D. + WINDOWS 96"
- INT. DOORS 83"
- ARCHES 96"
- FRONT DOOR 95"



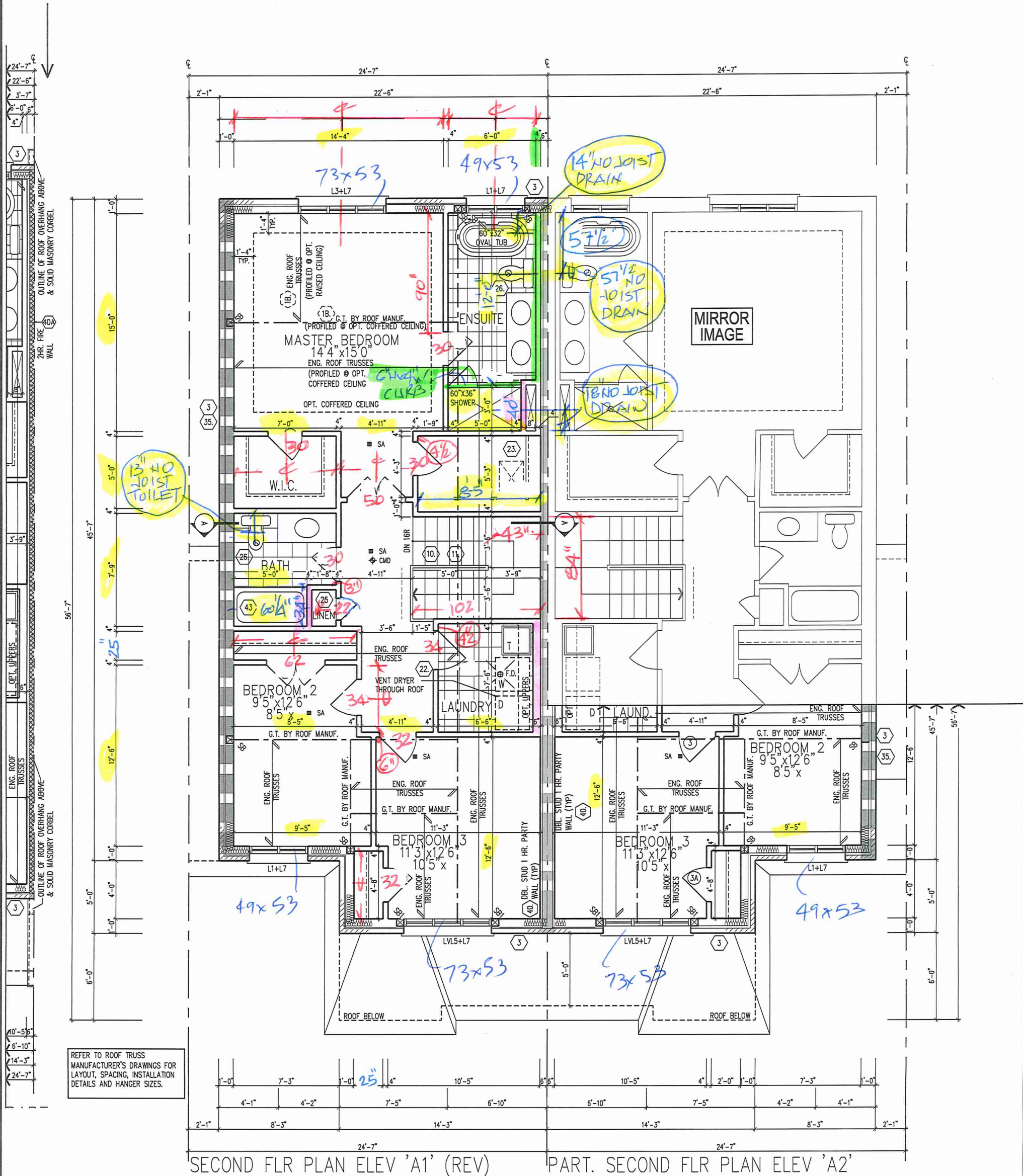
25-02 for BLK. 291 - TH. 16 & TH. 17 GROUND FLOOR PLAN ELEV. B1 (REV.) & B2



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PART. SECOND FLOOR
PLAN EL. 'A1' (REV)
W/ FIREWALL
(EL. 'A2' SIMILAR)



SECOND FLR PLAN ELEV 'A1' (REV)

PART. SECOND FLR PLAN ELEV 'A2'

* INT. DOORS 8'3"
* 2x4 L SHAPE BOTTOM
CORD CEILING EVERY 8'
- WINDOWS SEE ELEV.

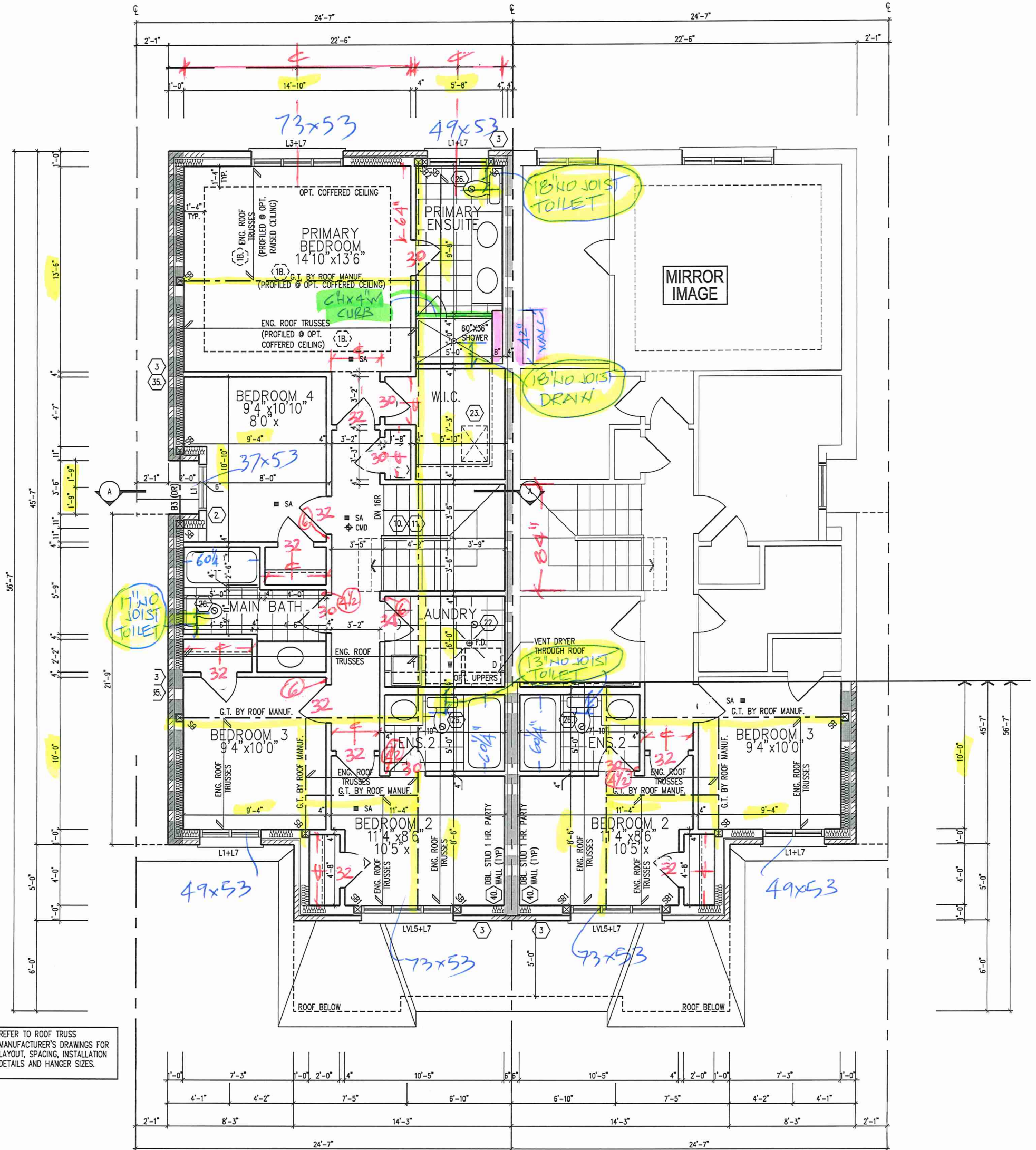
SB: MIN. 2/ 2"x6" SPF OR 3/ 2"x4" SPF
SB1: MIN. 3/ 2"x6" SPF OR 4/ 2"x4" SPF
SB2: MIN. 4/ 2"x6" SPF OR 5/ 2"x4" SPF

SECOND FLOOR PLAN ELEV 'A1' (REV)/ 'A2'



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- INT. DOORS 83"
- 2x4 L SHAPE BOTTOM CHORD CEILING EVERY 8'
- WINDOWS SEE ELEV.



OPT. SECOND FLOOR PLAN, 'A1' (REV.)
(W/ OPT. 4 BEDROOM)
ELEV. 'A2', 'B1' & 'B2' SIMILAR

PART. SECOND FLR PLAN ELEV 'A2'

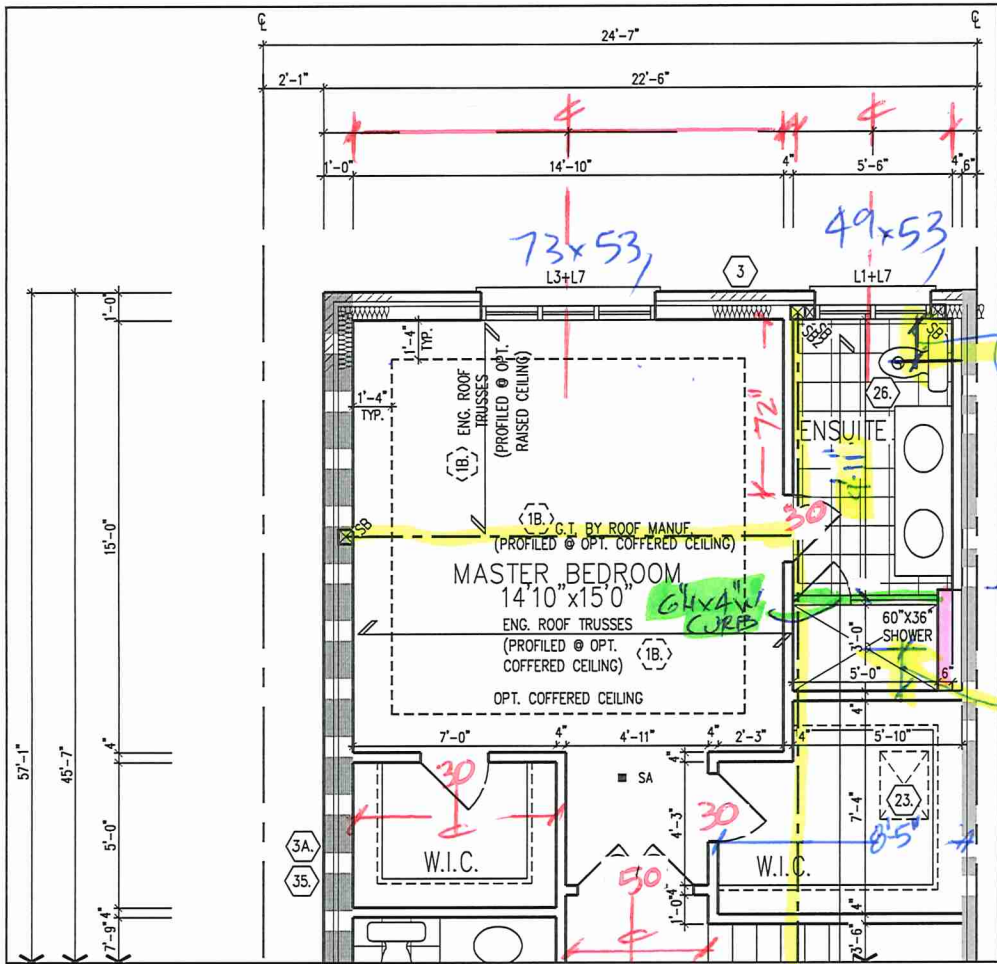
SB: MIN. 2/ 2"x6" SPF OR 3/ 2"x4" SPF
SB1: MIN. 3/ 2"x6" SPF OR 4/ 2"x4" SPF
SB2: MIN. 4/ 2"x6" SPF OR 5/ 2"x4" SPF

OPT. SECOND FLOOR PLAN, 'A1' (REV.) (W/ OPT. 4 BEDROOM) EL. A2, B1 & B2 SIMILAR / PART. SECOND FLOOR PLAN EL. A2

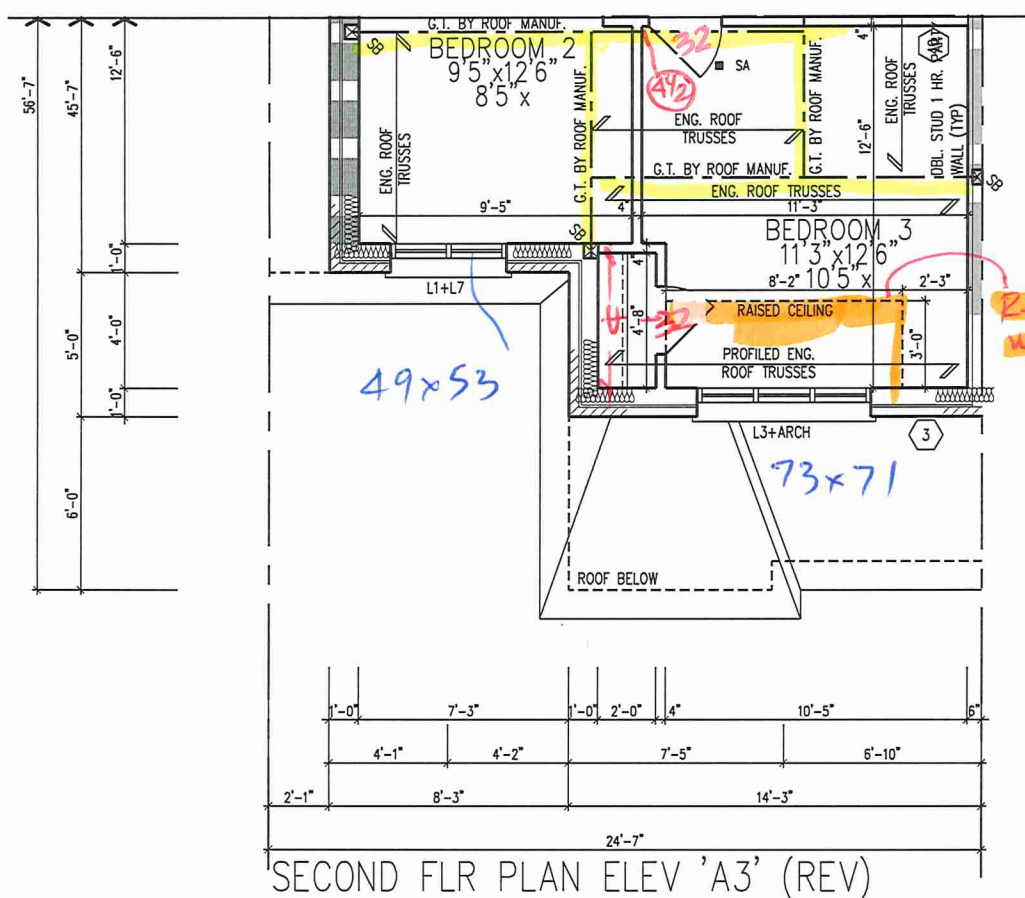


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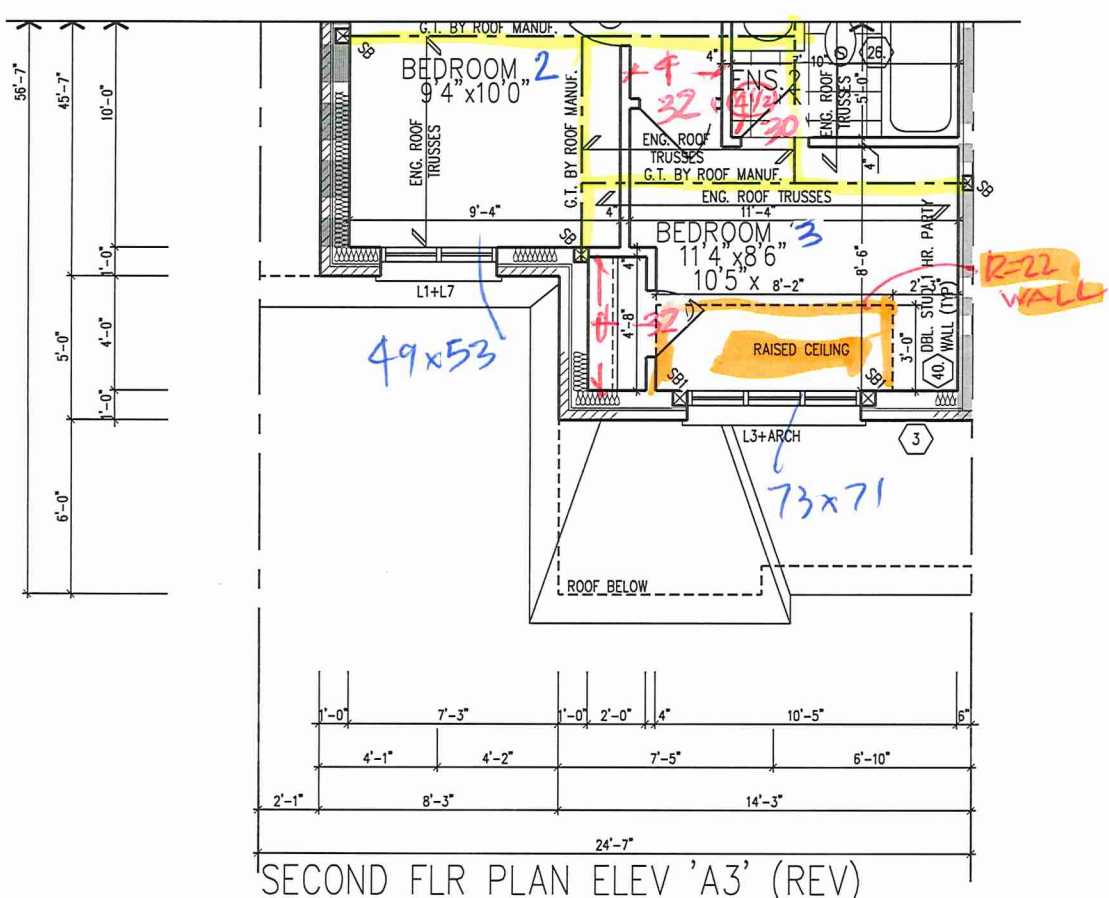
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PARTIAL OPT. SECOND FLR. PLAN ELEV 'A1' (REV) (W/ 4-PC ENSUITE) (ELEV. 'B1' REV. & 'B2' SIMILAR)



SECOND FLR PLAN ELEV 'A3' (REV)



SECOND FLR PLAN ELEV 'A3' (REV)

PARTIAL SECOND FLOOR PLANS

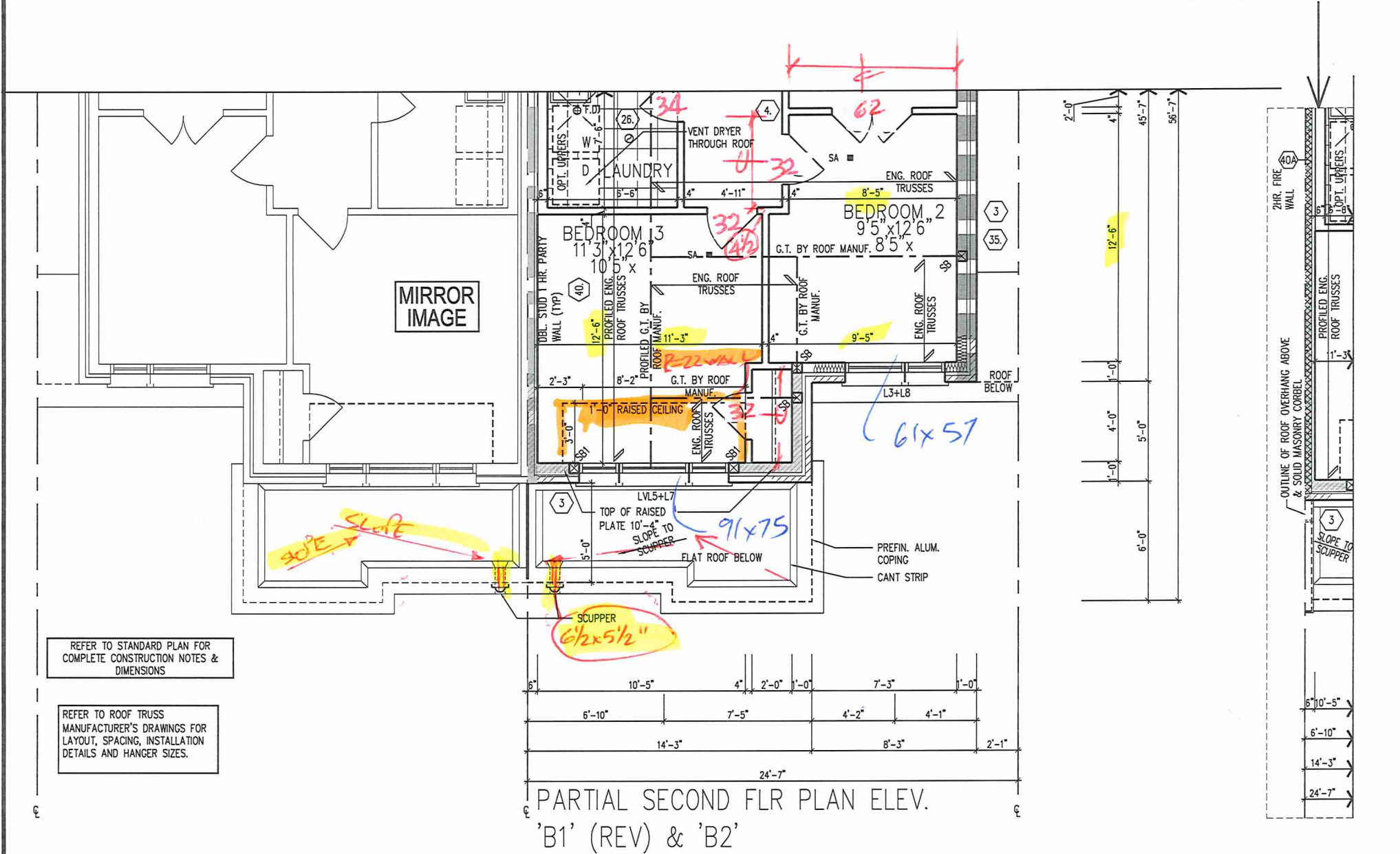
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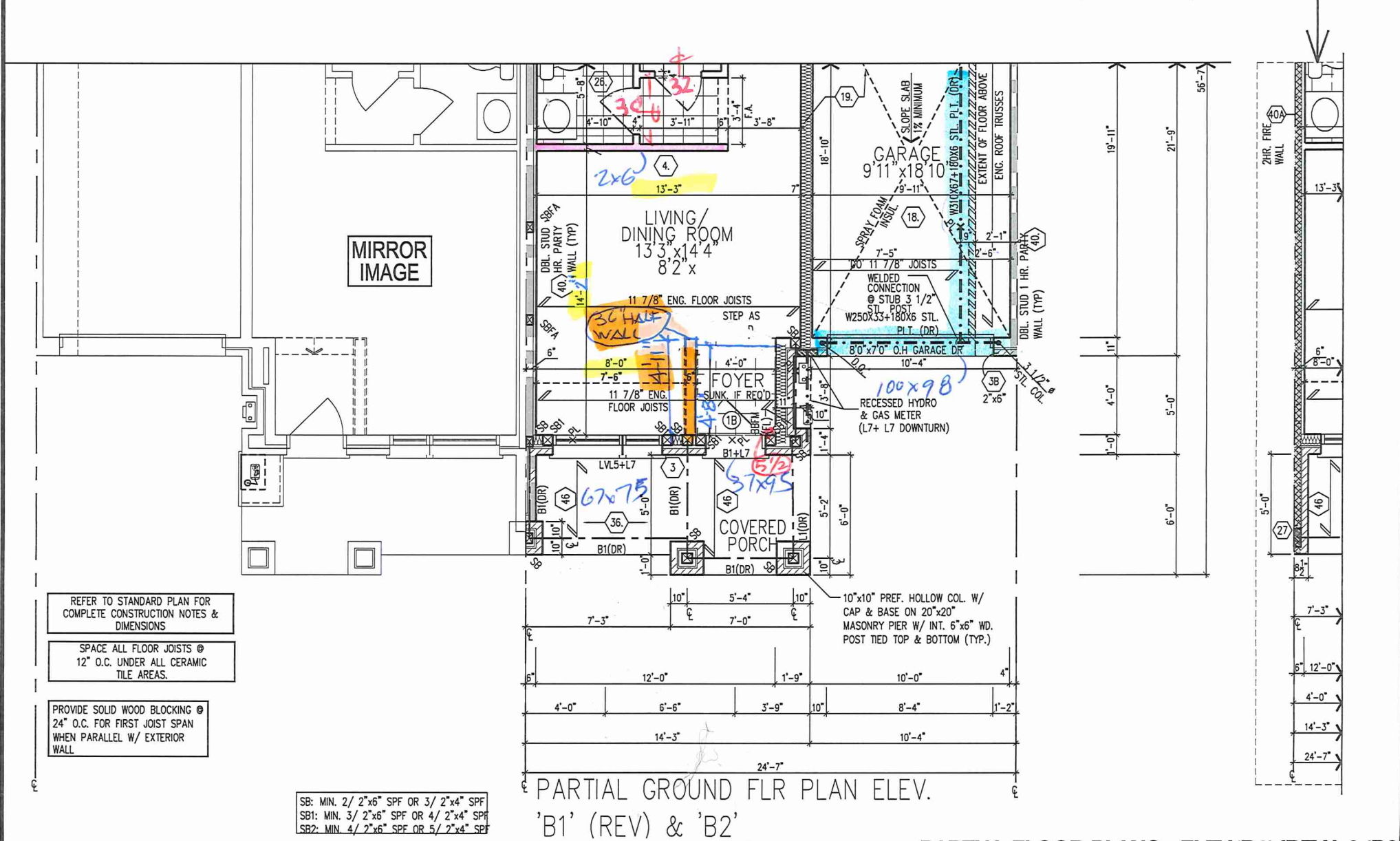
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PART. SECOND FLOOR PLAN
EL. 'B2' W/ FIREWALL
(EL. 'B1' (REV) SIMILAR)



PART. SECOND FLOOR PLAN
EL. 'B2' W/ FIREWALL
(EL. 'B1' (REV) SIMILAR)



PARTIAL FLOOR PLANS, ELEV 'B1' (REV.) & 'B2'



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WINDOW SUMMARY			
PER O.B.C. TABLE 9.10.15.4			
LEFT SIDE ELEVATION A1 REV			
QUAN.	WIDTH	DEPTH	WINDOW / DOOR FRAME SIZE (S.F.)
1	24"	48"	6.11
1	36"	52"	10.67
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	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

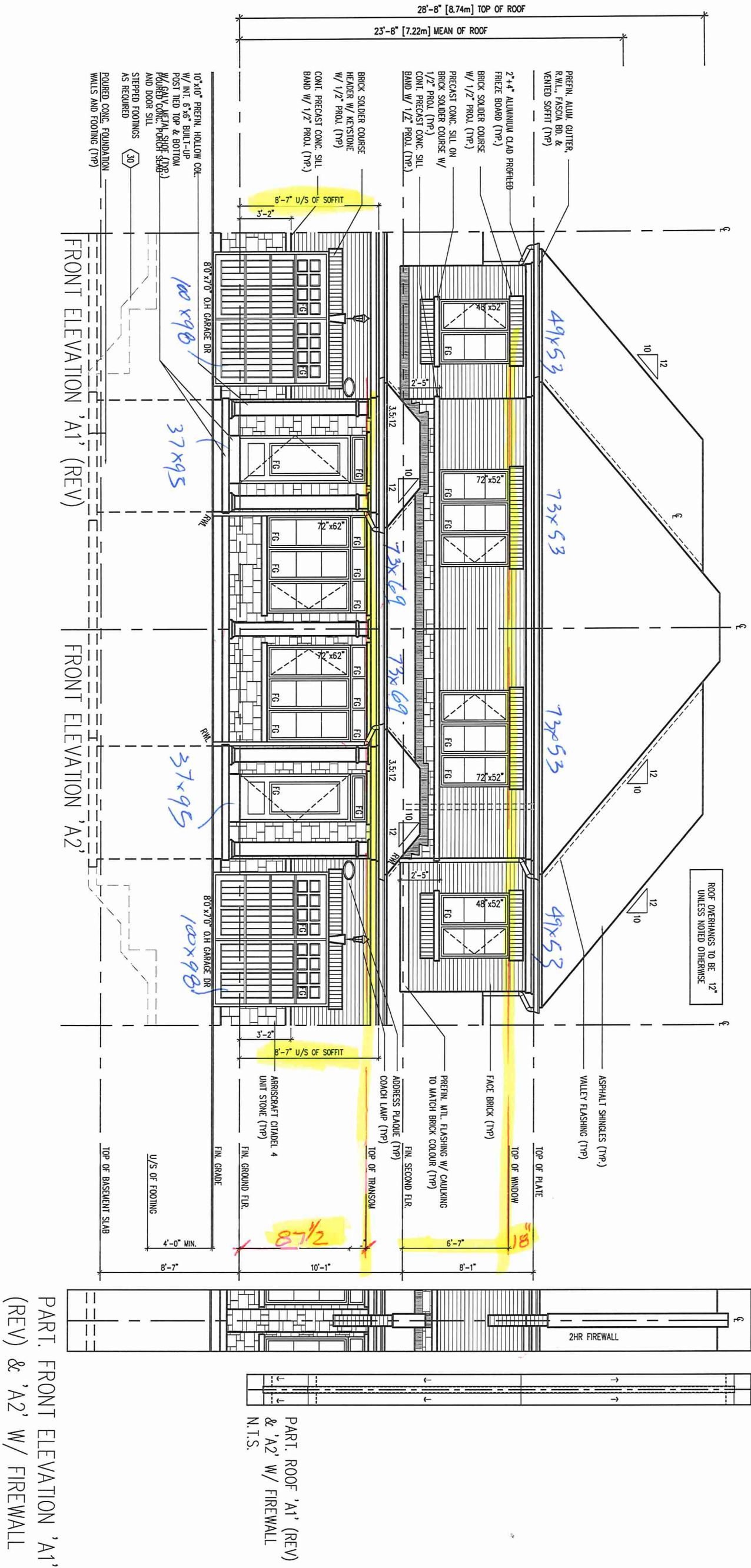
SPATIAL CALCULATION		
EXPOSING BUILDING FACE AREA	1003.24	S.F.
	93.20	S.M.
PORTION WALL AREA	1003.24	S.F.
	93.20	S.M.
LIMITING DISTANCE	1.20 m	
MAX. % OPENINGS	7.00	%
OPENINGS ALLOWED	70.23	S.F.
OPENINGS PROVIDED	18.78	S.F.
ADDITIONAL NOTES		
GLAZED AREA CALCULATED W/ FRAME SIZE MINUS 2" AROUND ENTIRE PERIMETER		

LEFT SIDE ELEVATION 'A1' (REV)
W/ OPT. SECOND FLOOR (4 BEDROOM)
ELEV. 'A2', 'B1' & 'B2' SIMILAR

ROOF PLAN
ELEV. 'B1' (REV.) & ELEV. 'B2'
N.T.S.

ROOF PLAN
ELEV. 'A1' (REV.) & ELEV. 'A2'
N.T.S.

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FRONT ELEVATION EL A1 & A2

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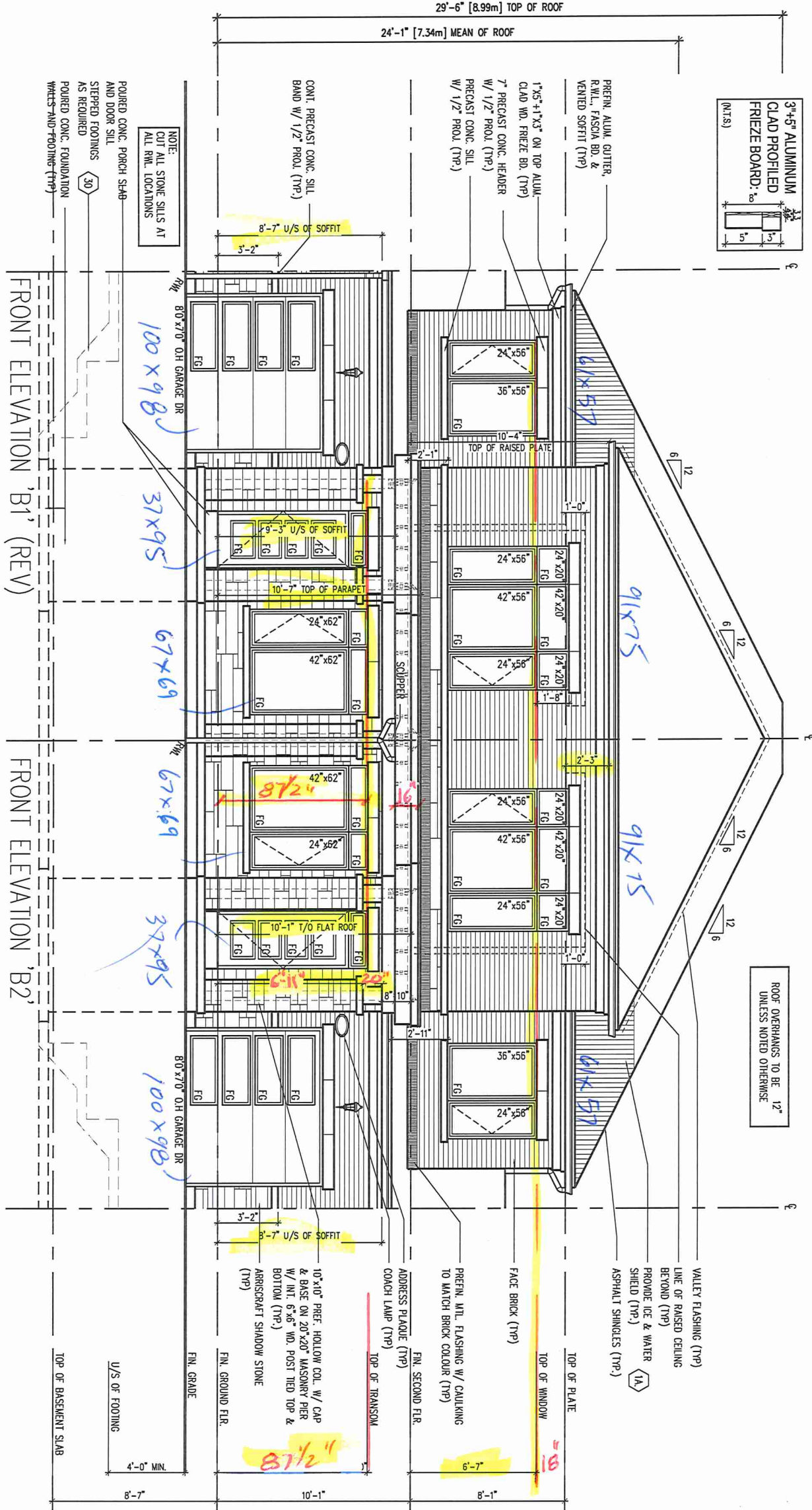
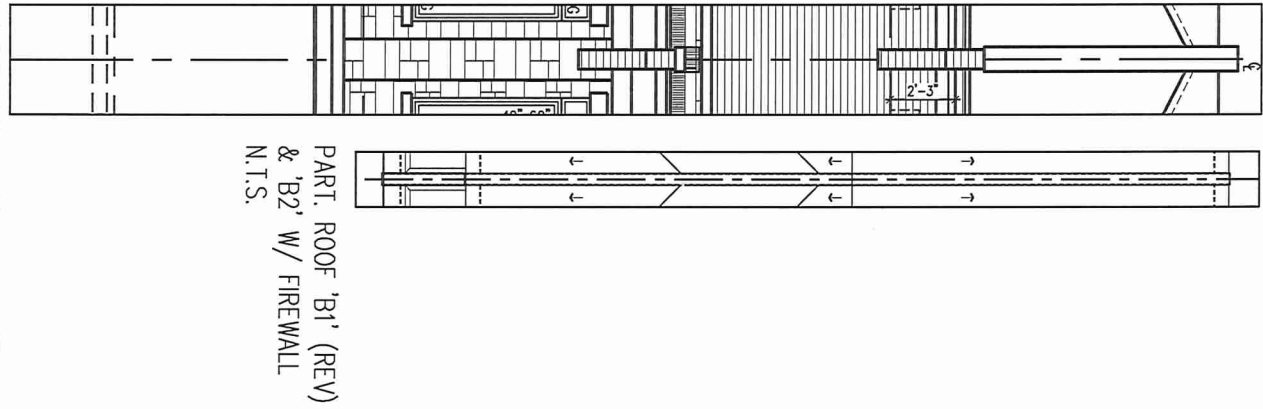
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PART. ROOF 'A1' (REV)
& 'A2' W/ FIREWALL
N.T.S.

PART. FRONT ELEVATION 'A1'
(REV) & 'A2' W/ FIREWALL

PART. FRONT ELEVATION 'B1'
(REV) & 'B2' W/ FIREWALL

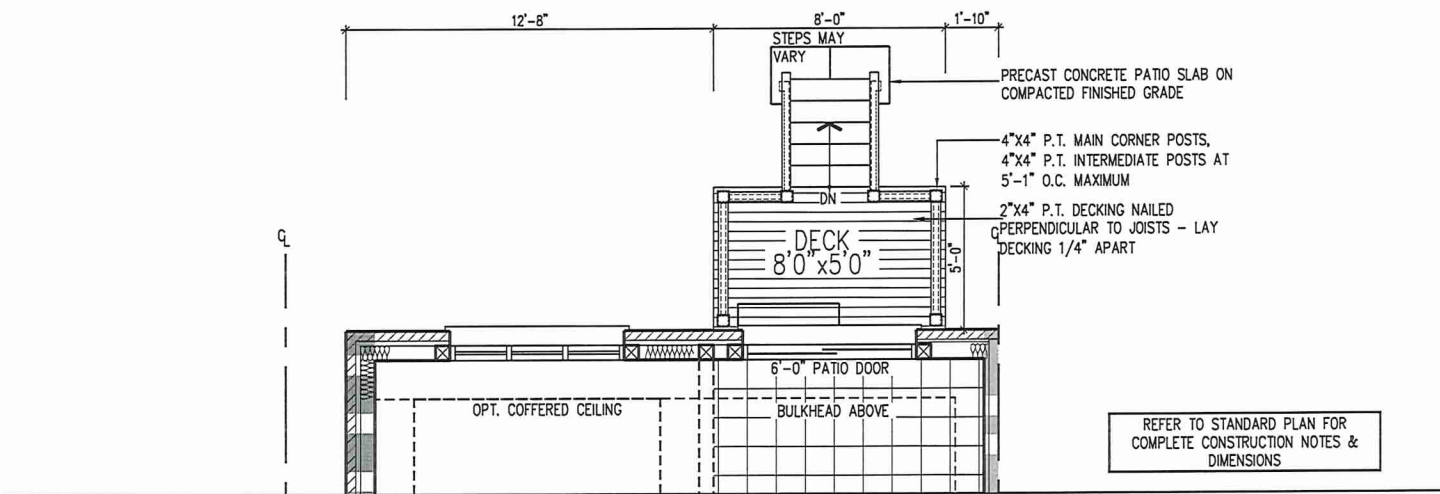


FRONT ELEVATION EL B1 REV. & B2

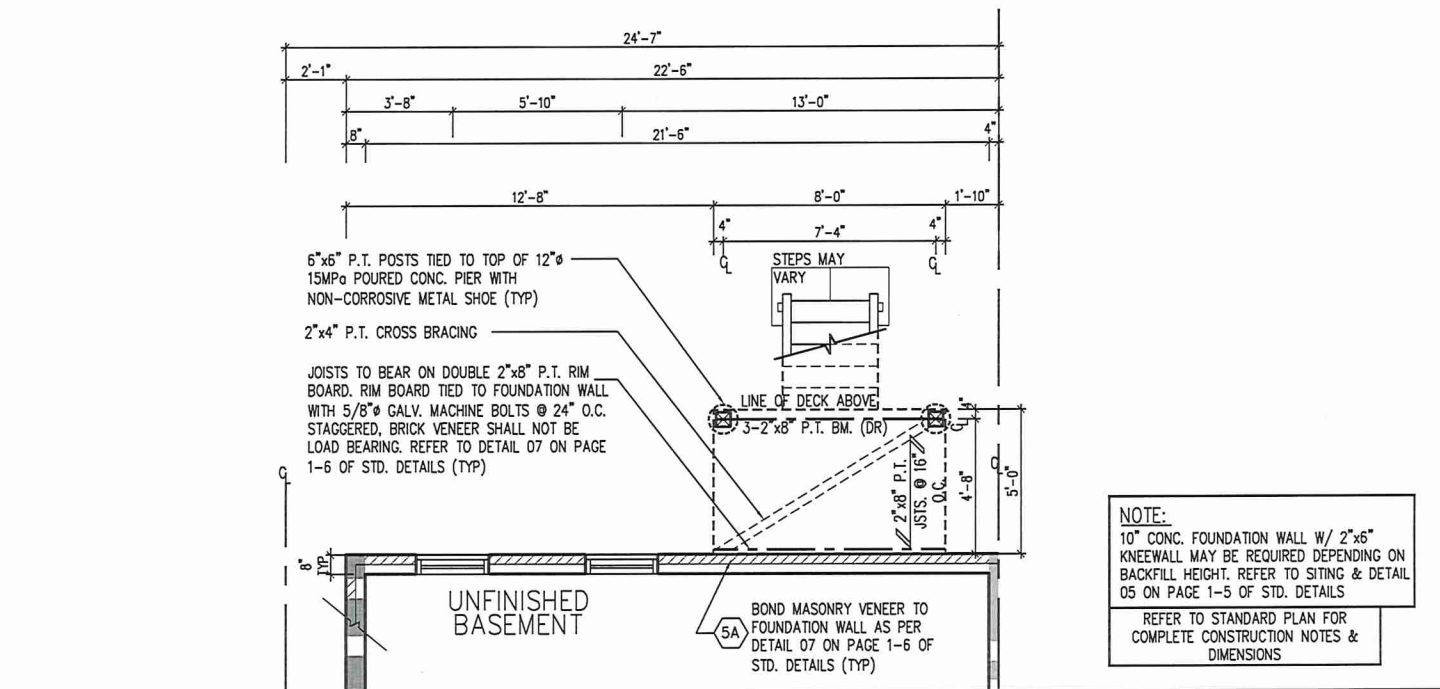
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PART. GROUND FLOOR PLAN ELEV. - W.O.D. CONDITION



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



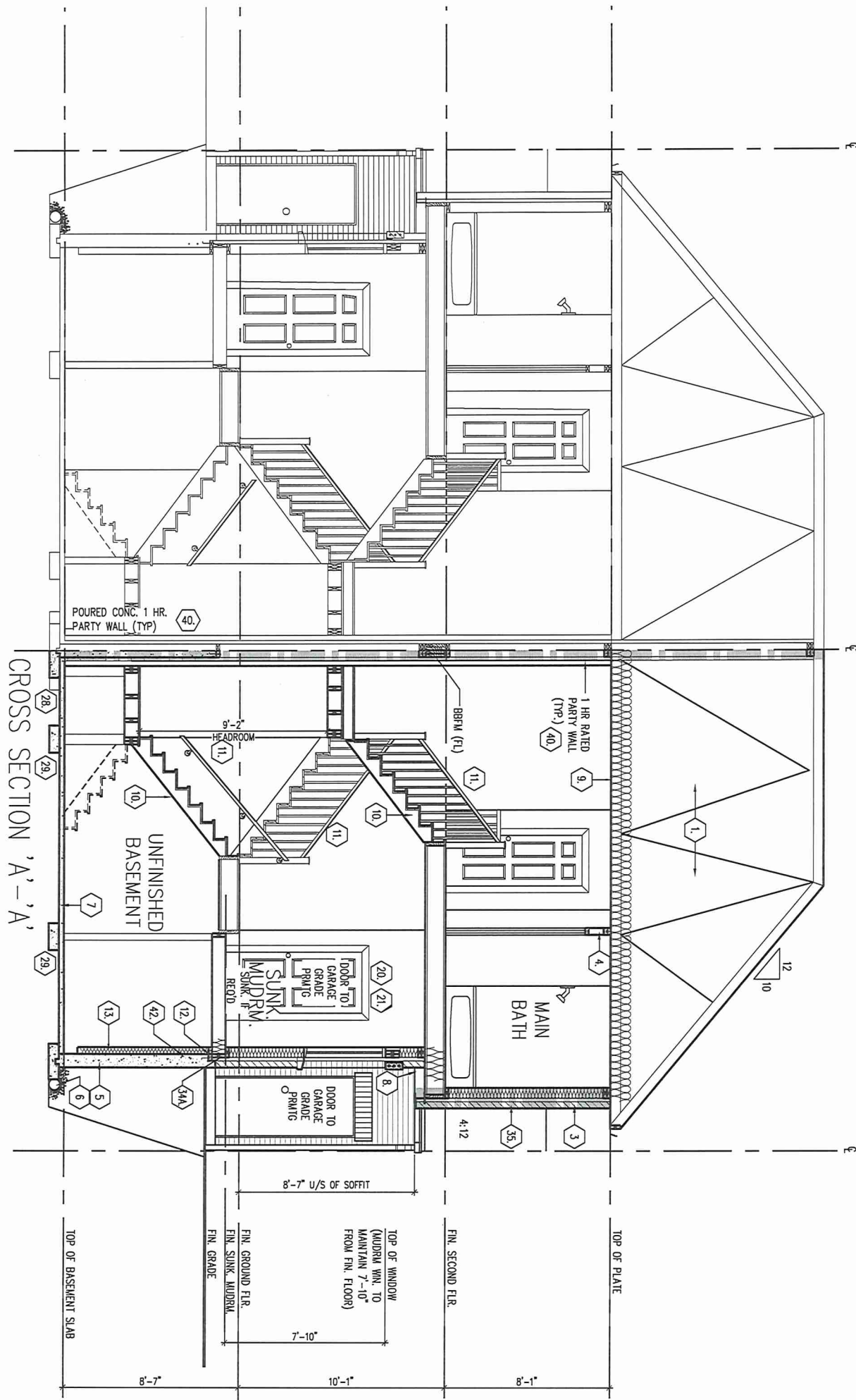
REAR ELEVATION - W.O.D. CONDITION

PARTIAL PLANS AND ELEVATIONS FOR DECK CONDITIONS

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CROSS SECTION A-A

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