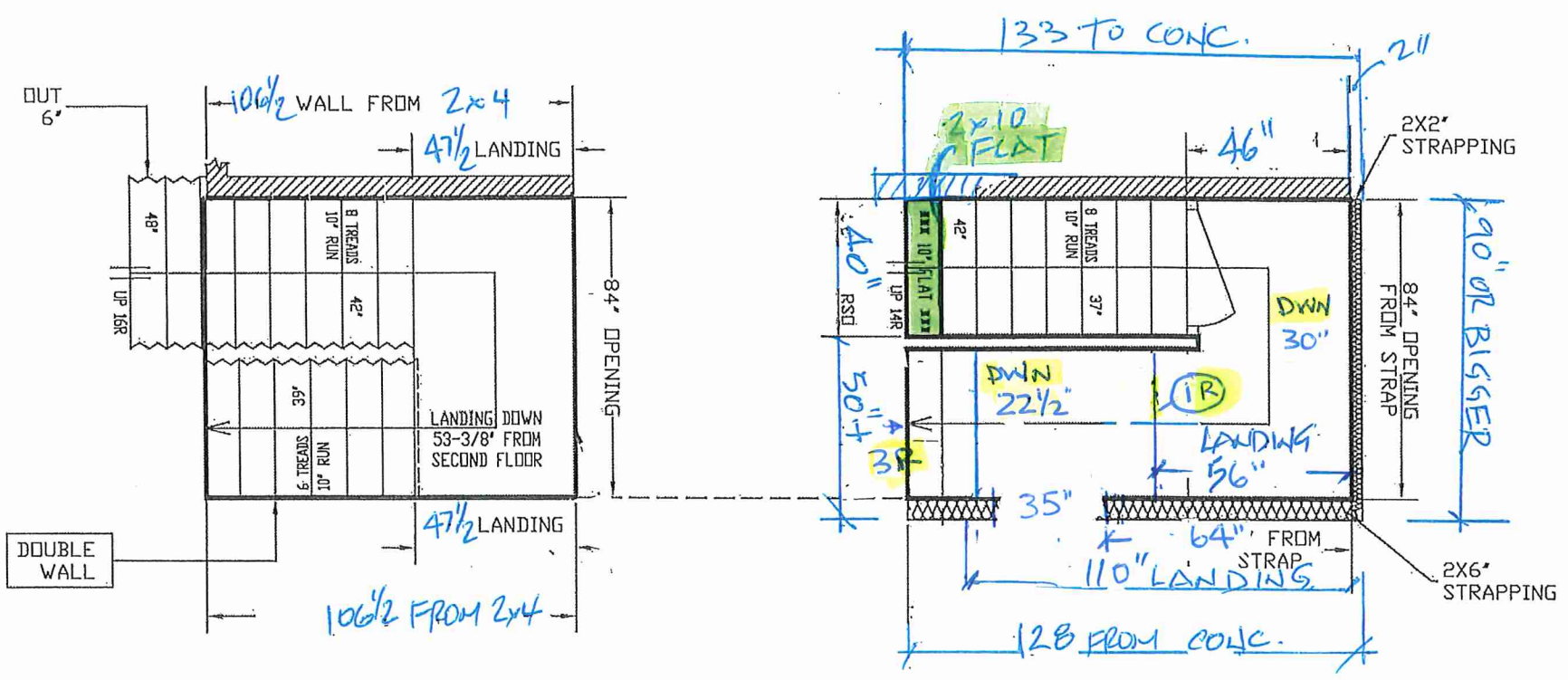


GROUND TO SECOND  
122" HT 11-7/8" JOIST

BASEMENT TO GROUND  
BSMT 11-7/8" JOIST

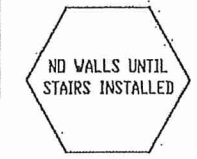


STAIRS LINE UP BY  
PARTY WALL & GARAGE  
WALL

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

ASK FOR A SPECIFIC  
RSD IN CASE THE  
GRADE CONDITION DIFFERS  
FROM THIS DRAWING

2" CONC. LEDGE  
IN GARAGE



GARAGE RIGHT >



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 ALPHA STAIRS AND RAILINGS INC. MEASUREMENTS SHOWN ON LAYOUTS ARE REQUIRED TO  
INSTALL OUR STAIRS. ANY PROBLEM WITH HEADROOM OR STRAPPING ALLOWANCES, ALPHA  
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  
ALPHA STAIRS AND RAILINGS INC.  
3770 NASHUA DRIVE, UNIT 3 MISSISSAUGA, ONTARIO L4V 1M6  
TEL: (905) 694-9556 | www.alpastairs.com

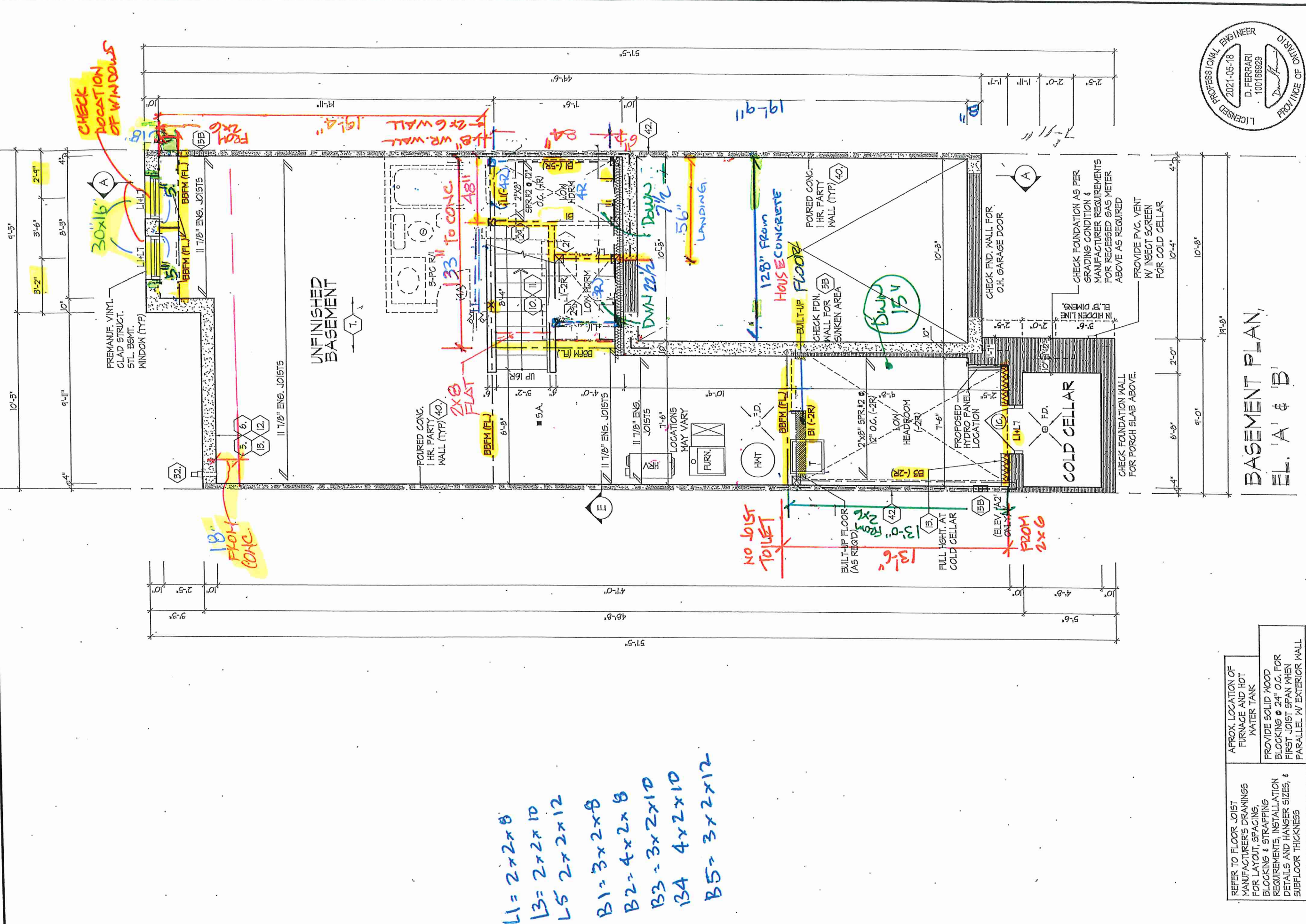


SITE  
CENTREFIELD  
LOT #  
Model  
20-7  
(W/FIN. BSMT)

NAME  
PARAMJEET  
DATE  
APRIL 9, 2025  
CLIENT  
ROYAL PINE HOMES  
LAYOUT #  
SCALE: 1/32

BLK 234 TH # 66

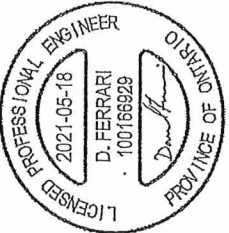
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CUP 2024



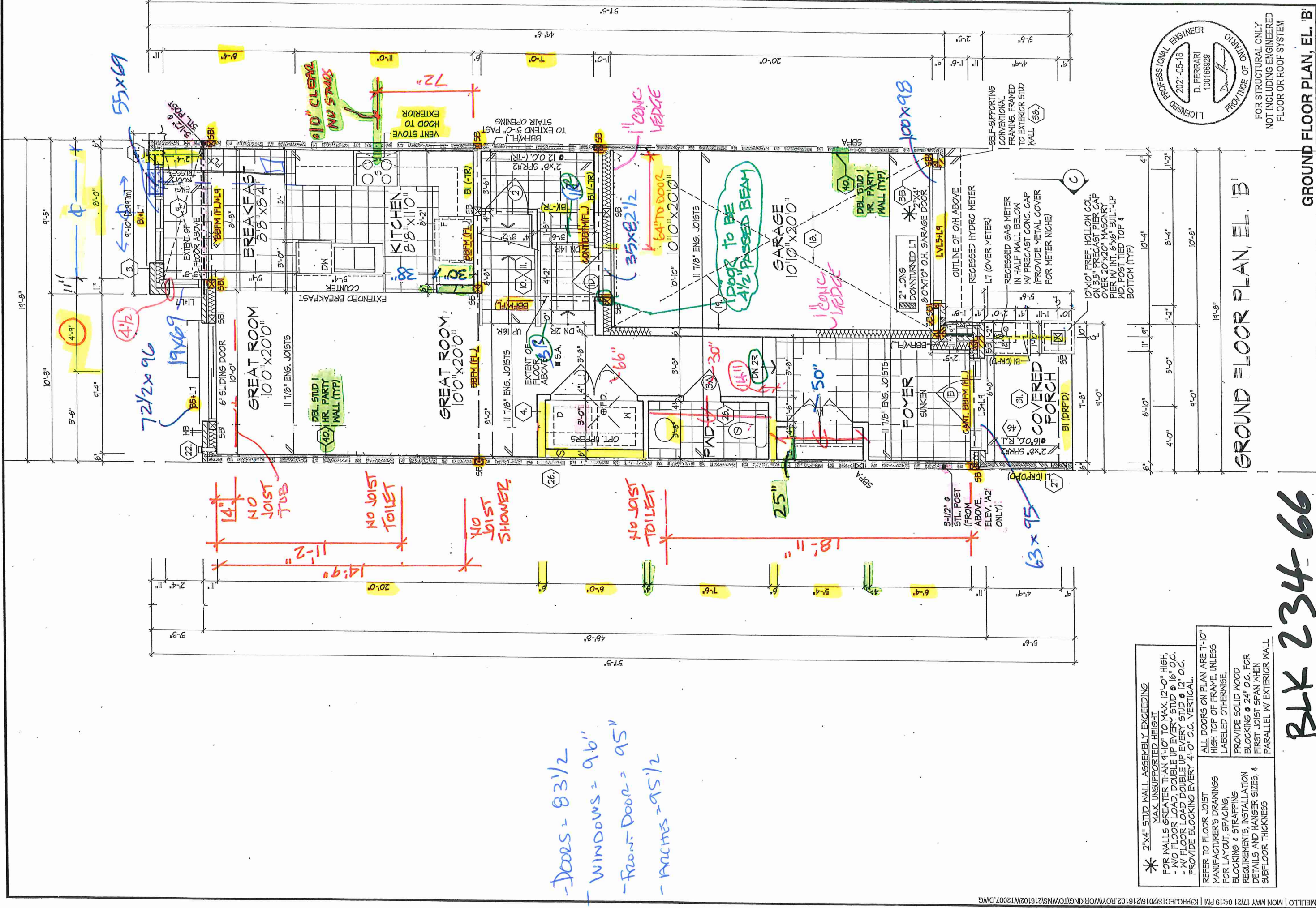
|                                                                                                                                                                  |                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| REFER TO FLOOR JOIST MANUFACTURER'S DRAWINGS FOR LAYOUT, SPACING, BLOCKING & STRAPPING REQUIREMENTS, INSTALLATION DETAILS AND HANGER SIZES, & SUBFLOOR THICKNESS | APPROX. LOCATION OF FURNACE AND HOT WATER TANK                                             |
|                                                                                                                                                                  | PROVIDE SOLID WOOD BLOCKING @ 24" O.C. FOR FIRST JOIST SPAN WHEN PARALLEL W/ EXTERIOR WALL |

BK 234-66

BASEMENT PLAN,  
EL. 'A' & 'B'



FOR STRUCTURAL ONLY  
NOT INCLUDING ENGINEERED  
FLOOR OR ROOF SYSTEM

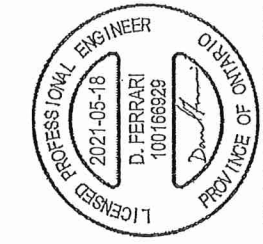


\* 2"x4" STUD WALL ASSEMBLY EXCEEDING MAX. UNSUPPORTED HEIGHT FOR WALLS GREATER THAN 9'10" TO MAX. 12'-0" HIGH, - W/ FLOOR LOAD, DOUBLE UP EVERY STUD @ 16" O.C. - W/ FLOOR LOAD DOUBLE UP EVERY STUD @ 12" O.C. PROVIDE BLOCKING EVERY 4'-0" O.C. VERTICAL.

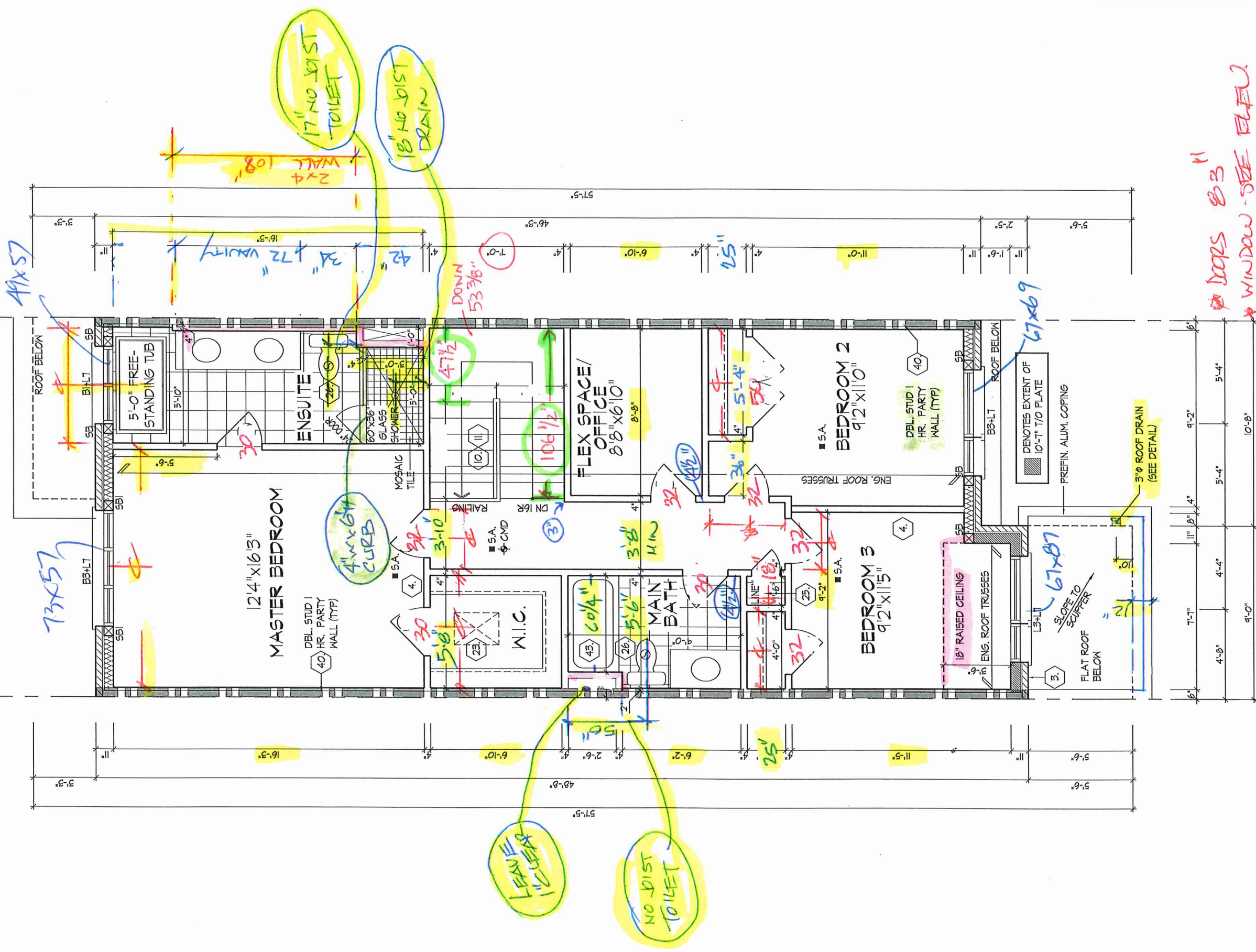
REFER TO FLOOR JOIST MANUFACTURER'S DRAWINGS FOR LAYOUT, SPACING, BLOCKING & STRAPPING REQUIREMENTS, INSTALLATION DETAILS AND HANGER SIZES, & SUBFLOOR THICKNESS

ALL DOORS ON PLAN ARE 7'-10" HIGH TOP OF FRAME, UNLESS LABELED OTHERWISE.

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



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

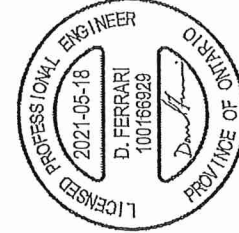
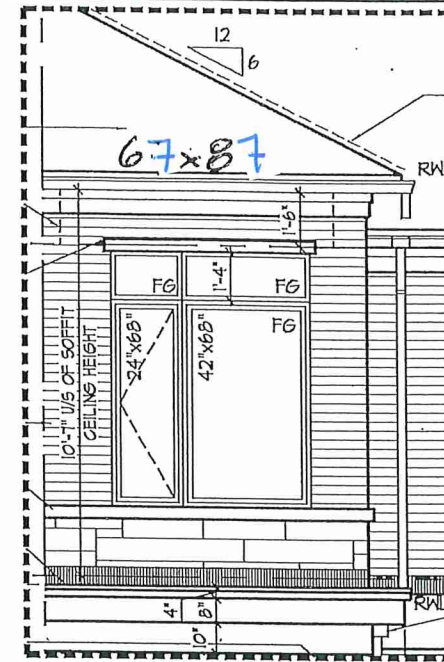
SECOND FLOOR PLAN, EL. 'B1'  
OFFICE / FLEX SPACE LAYOUT  
ELEVATION 'B2' SIMILAR  
20-07 THE LAWRENCE

ROOF OVERHANGS TO BE 12"  
UNLESS NOTED OTHERWISE

GARAGE ROOF  
18'6" H + 18/12 PITCH

PART. FRONT  
ELEVATION 'B2'

NOTE:  
WHEN UNIT REVERSED KEEP  
SIDE 24"x62" WINDOW LEFT



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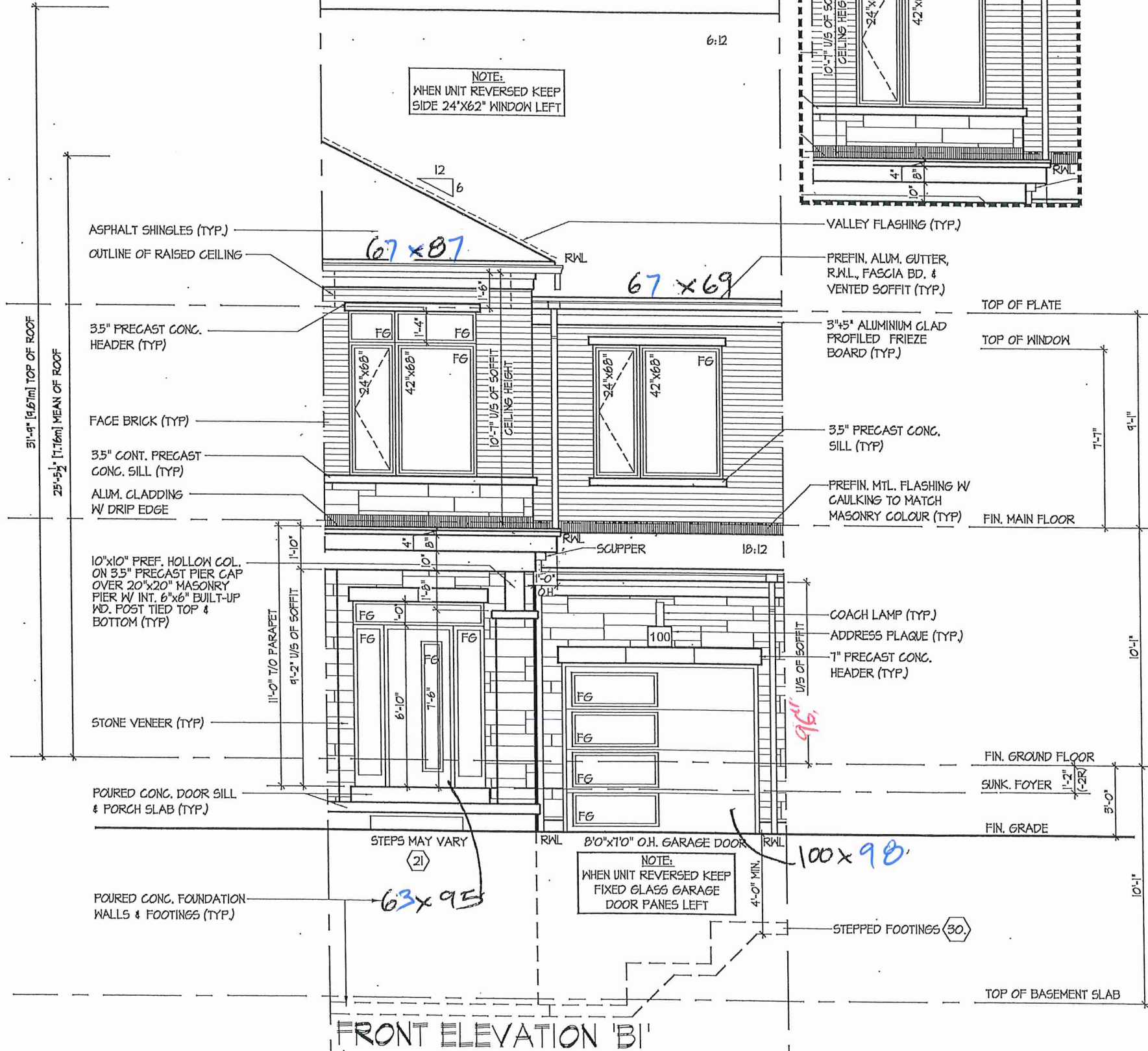
FRONT ELEVATION 'B1' & 'B2'

UNIT 2007

ROYAL PINE HOMES - 216102  
'CENTREFIELD', WEST GORMLEY, RICHMOND HILL, ON, REV. 2021.05.11

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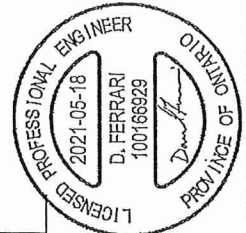
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QUALIFICATION INFORMATION  
Derek R. Santos  
37308  
SIGNATURE  
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19895  
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ROOF OVERHANGS TO BE 12"  
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FLOOR OR ROOF SYSTEM

**BK 234-66**

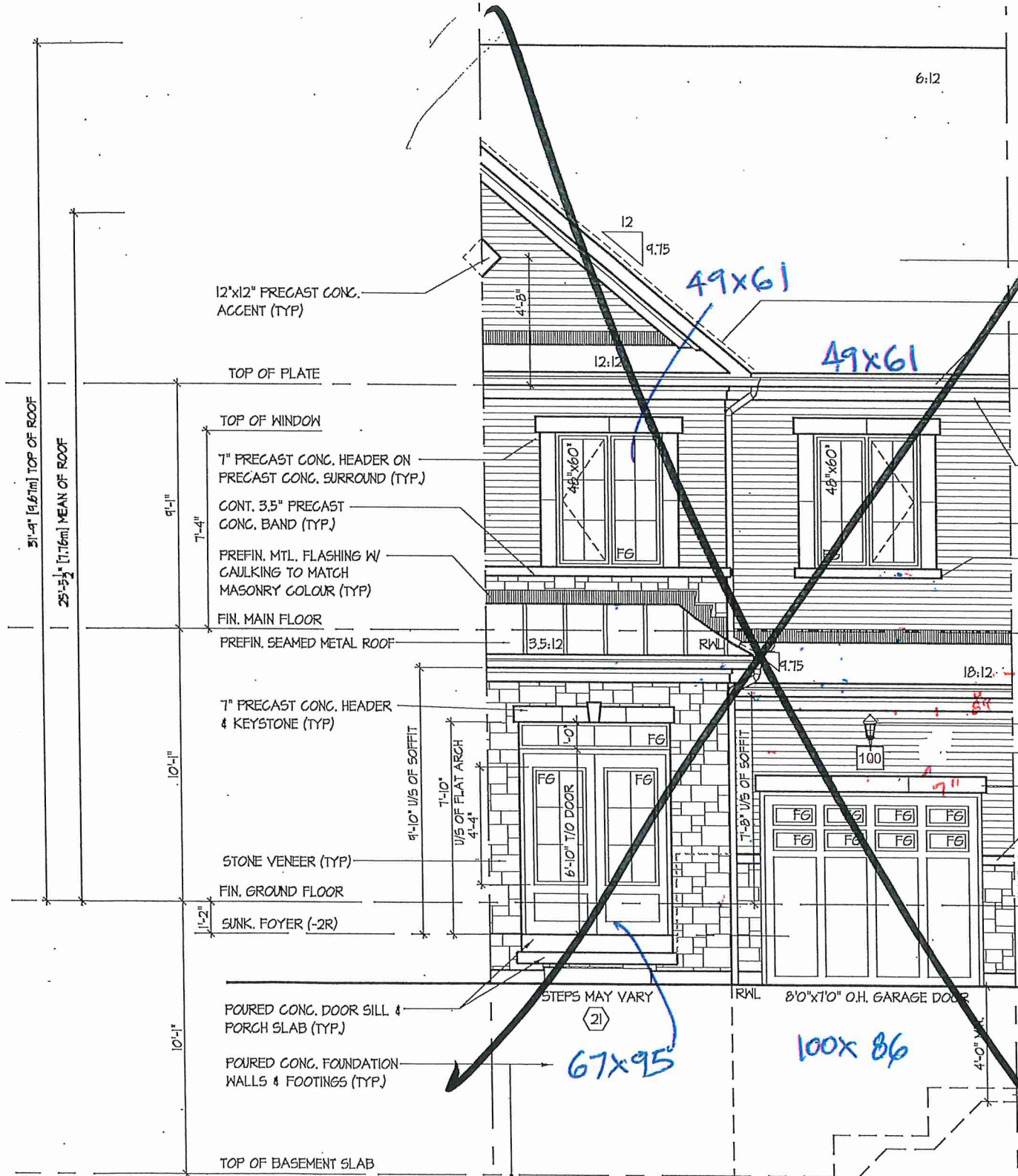
FRONT ELEV. 'A' & REAR ELEV. 'A' & 'B'

ROYAL PINE HOMES - 216102  
'CENTREFIELD', WEST GORMLEY, RICHMOND HILL, ON. REV. 2021.05.11

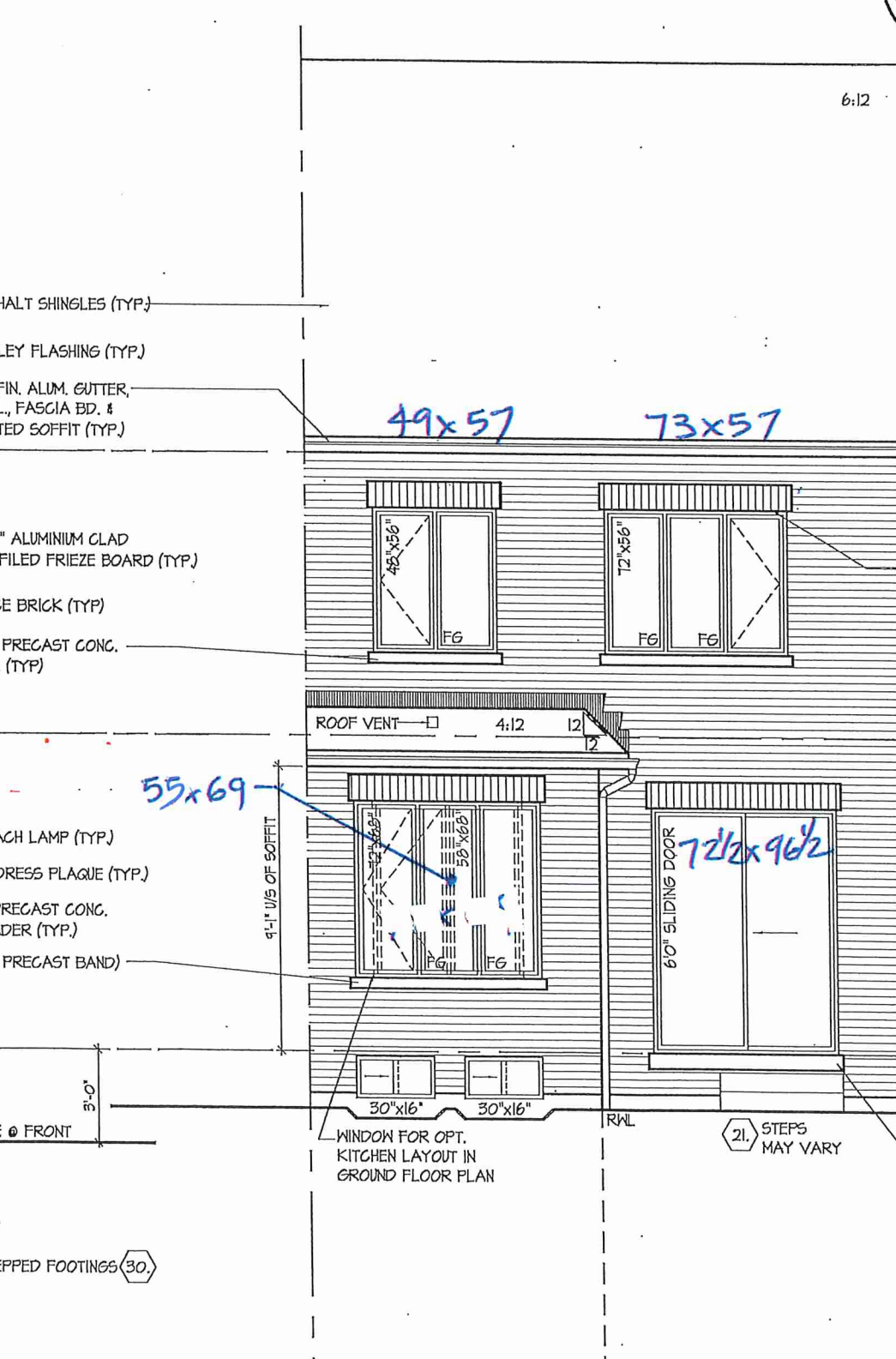
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REGISTRATION INFORMATION  
NAME: Derek R. Santos  
SIGNATURE: *[Signature]*  
37308 BCIN 18695  
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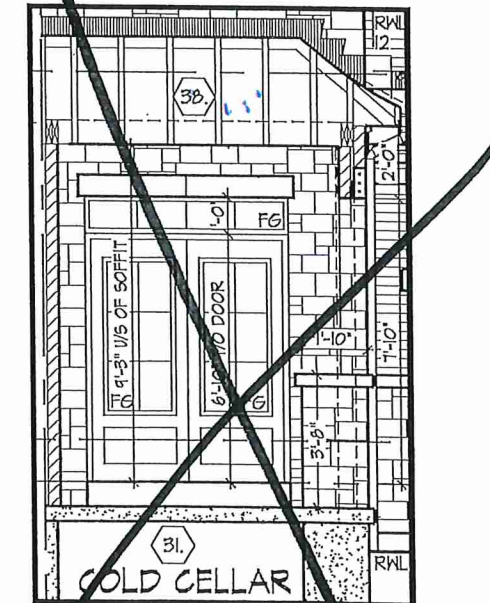
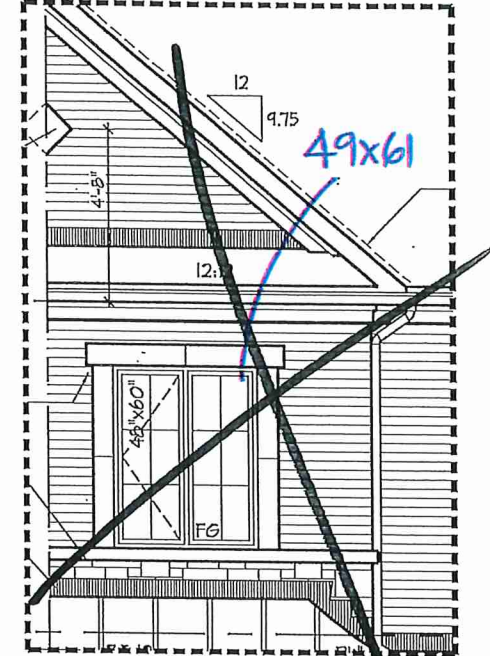
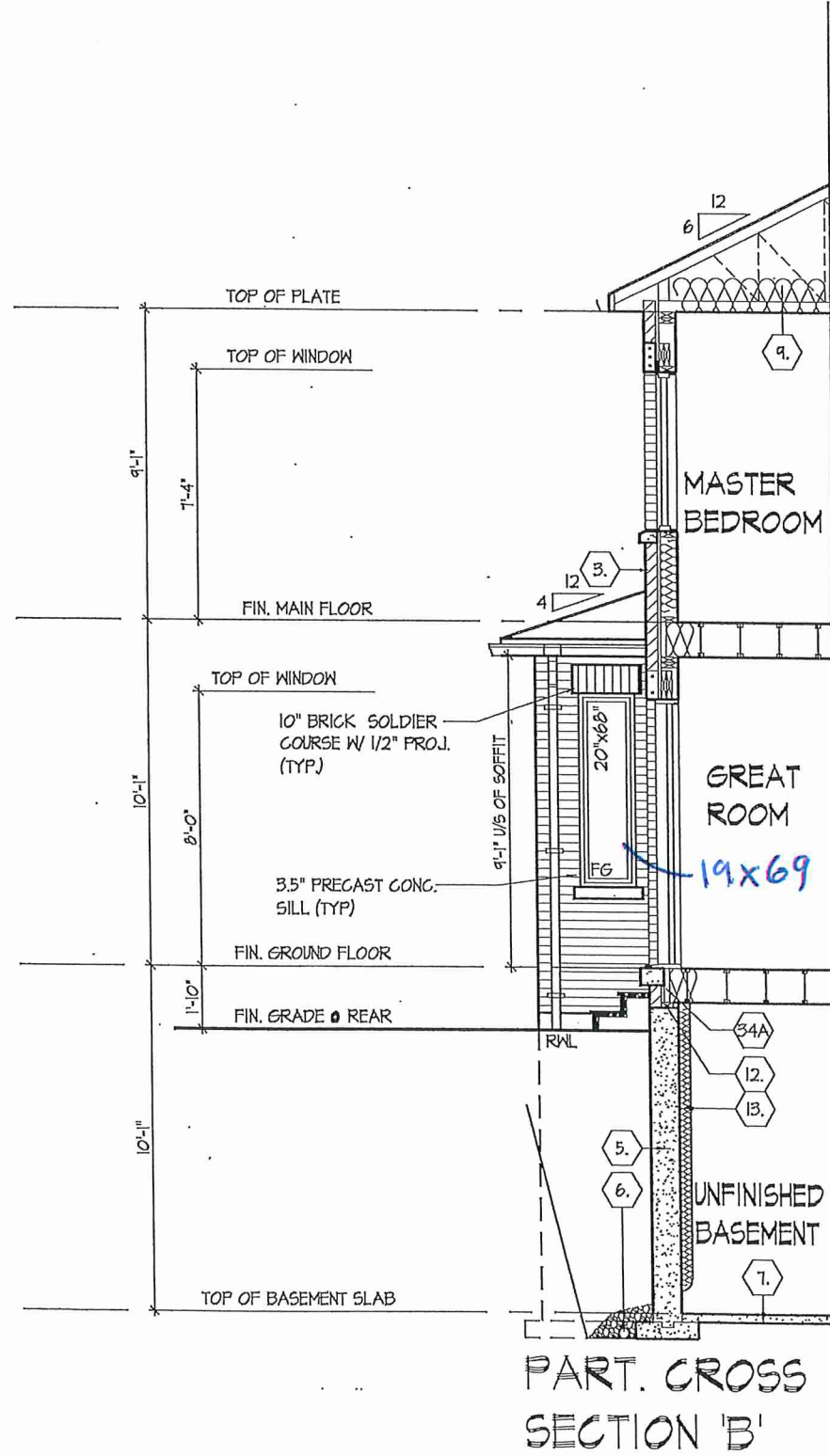
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FRONT ELEVATION 'A'



REAR ELEVATION 'A' & 'B'



ROOF OVERHANGS TO BE 12" UNLESS NOTED OTHERWISE

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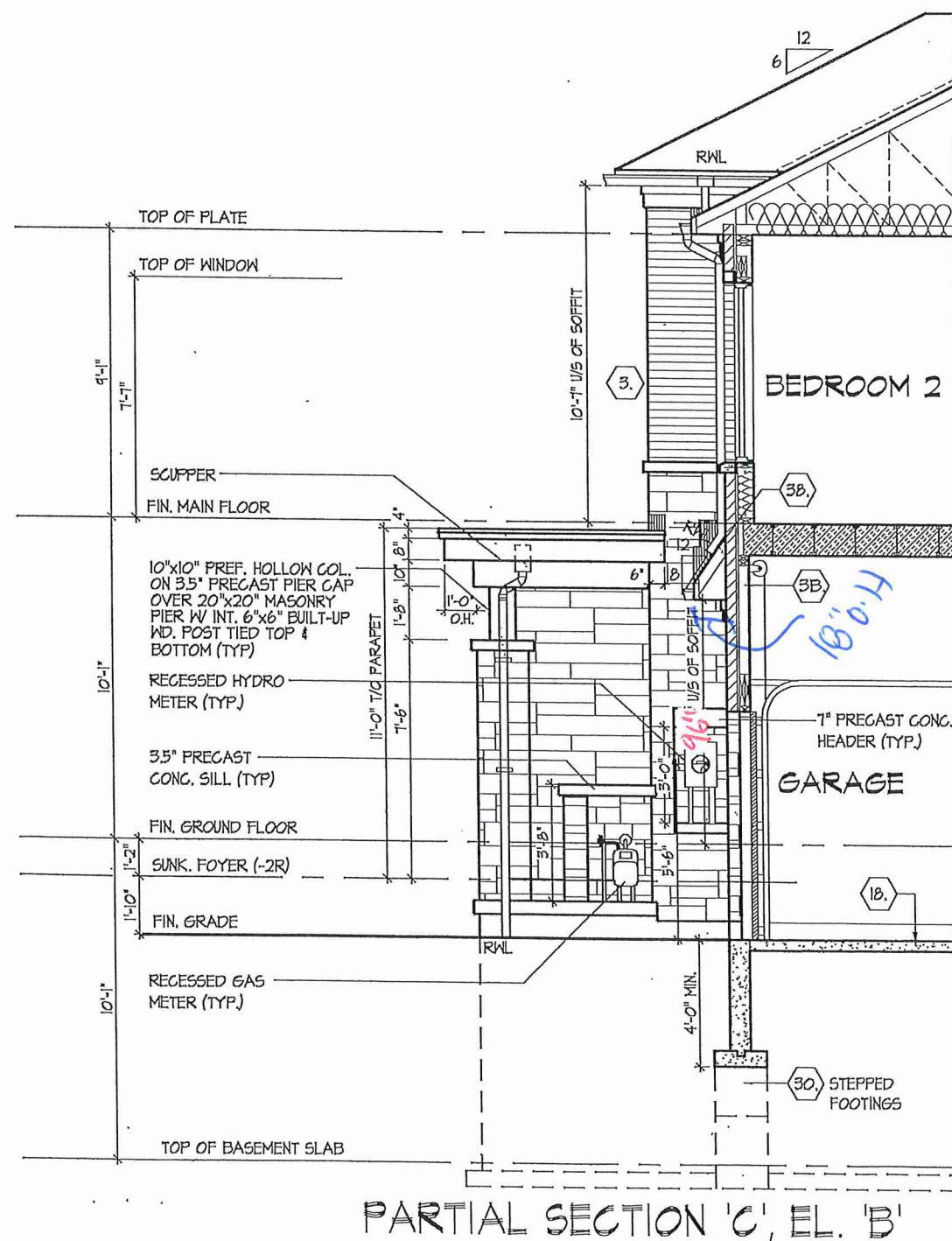
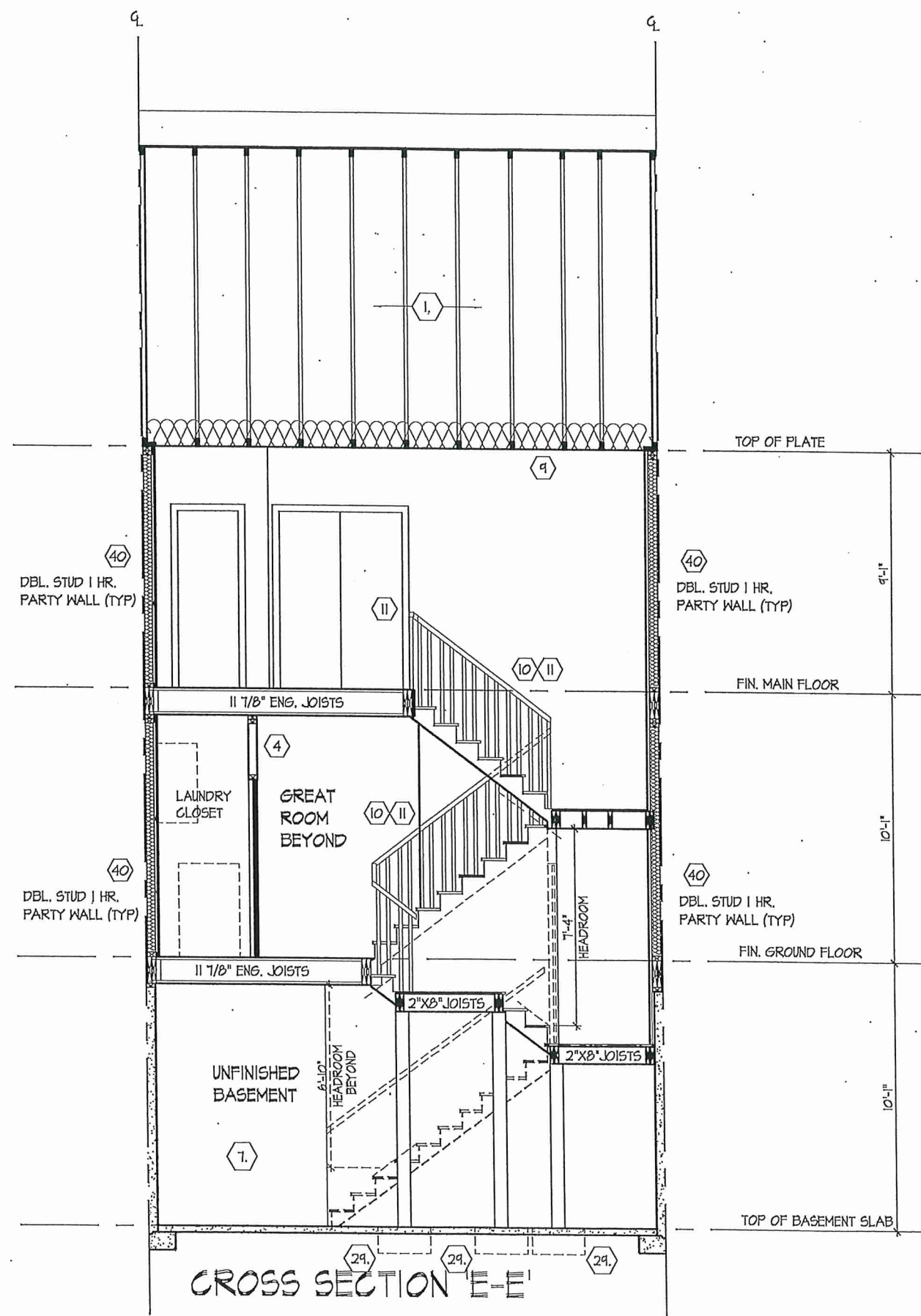
PROFESSIONAL ENGINEER  
2021-05-18  
D. FERRARI  
100166929  
PROVINCE OF ONTARIO  
LICENSED

PART. ELEVATIONS, EL. 'A' & 'A2' & PART CROSS SECTION 'B'  
UNIT 2007  
ROYAL PINE HOMES - 216102  
'CENTREFIELD', WEST GORMLEY, RICHMOND HILL, ON. REV. 2021.05.11  
Drawn By: KM  
Checked By: DS  
Scale: 3/16"=1'-0"  
File Number: 216102WT2007  
Page Number: 10 of 16

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QUALIFICATION INFORMATION  
Derek R. Santos  
NAME: Derek R. Santos  
SIGNATURE: *Derek R. Santos*  
BCIN: 37808  
19695  
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|                                                                                                                                                                                                             |  |                                                        |  |
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| <p>DESIGN ASSOCIATES INC.</p>                                                                                                                                                                               |  | <p>REV. 2021.05.11</p>                                 |  |
| <p>NAME</p>                                                                                                                                                                                                 |  | <p>File Number</p>                                     |  |
| <p>Derek R. Santos</p>                                                                                                                                                                                      |  | <p>216102WT2007</p>                                    |  |
| <p>SIGNATURE</p>                                                                                                                                                                                            |  | <p>Scale</p>                                           |  |
| <p>1/8" = 1'-0"</p>                                                                                                                                                                                         |  | <p>12 of 16</p>                                        |  |
| <p>REGISTRATION INFORMATION</p>                                                                                                                                                                             |  | <p>Drawn By</p>                                        |  |
| <p>19895</p>                                                                                                                                                                                                |  | <p>Checked By</p>                                      |  |
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| <p>8866 Woodbine Ave, Markham, ON L3R 0J7</p>                                                                                                                                                               |  | <p>KM</p>                                              |  |
| <p>T 905.737.5133 F 905.737.7926</p>                                                                                                                                                                        |  | <p>Page Number</p>                                     |  |

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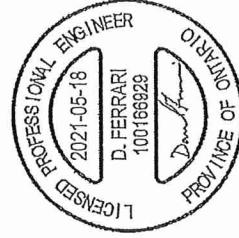
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DESIGN CONTROL REVIEW

MAY 31, 2021

FINAL

BY: *Ally*

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CROSS SECTION 'A-A'

UNIT 2007

ROYAL PINE HOMES - 216102  
'CENTREFIELD', WEST GORMLEY, RICHMOND HILL, ON.

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Page Number  
13 of 16

File Number  
216102WT2007

Scale  
3/16"=1'-0"

Drawn By  
DS

Checked By  
KM

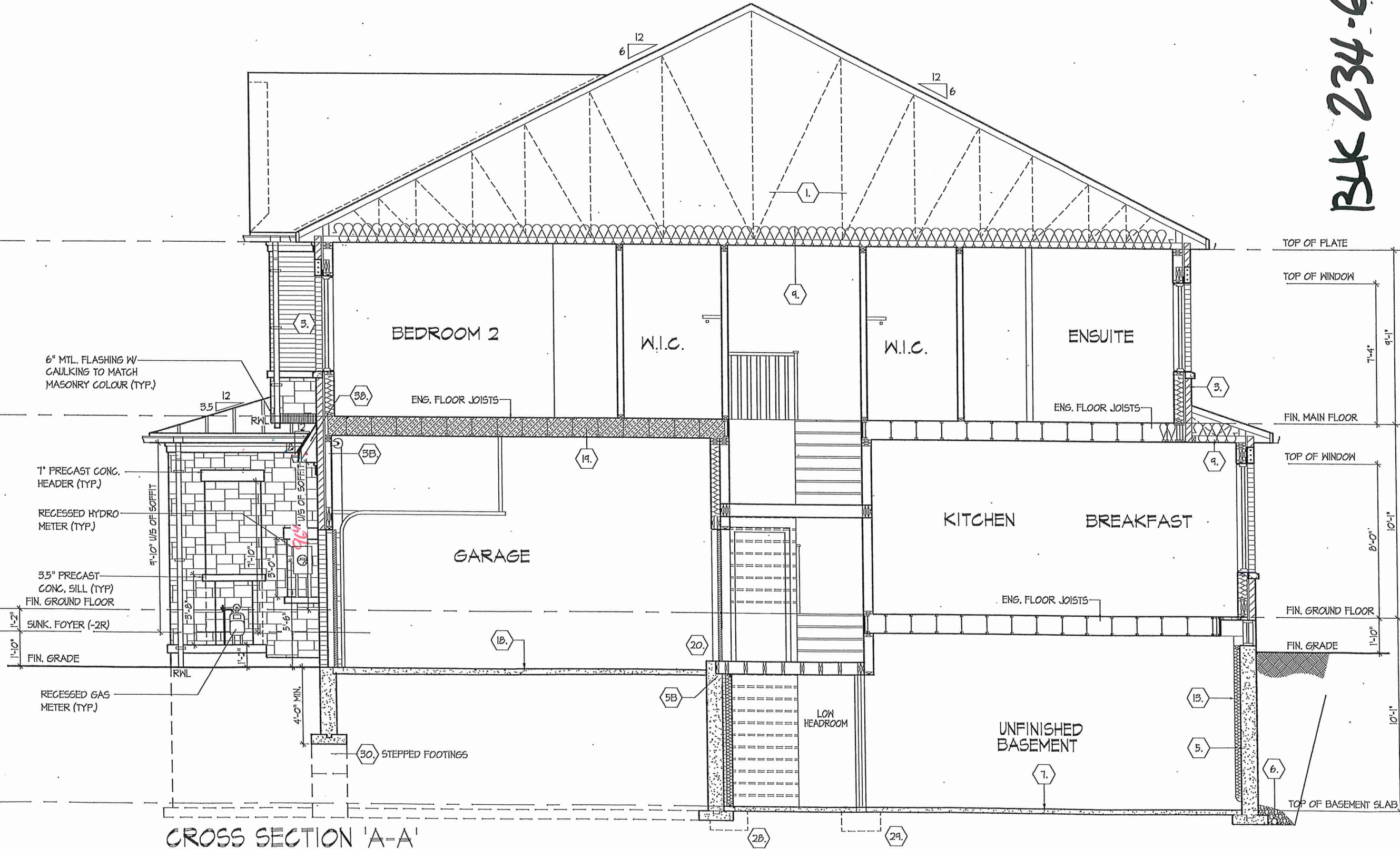
8666 Woodbine Ave, Markham, ON L3R 0J7  
T 905.737.5133 F 905.737.7326

37308 BON 18695

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QUALIFICATION INFORMATION  
NAME  
Derek R. Santos  
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CROSS SECTION 'A-A'

SECTION 1.0. CONSTRUCTION NOTES

- 1

ROOF CONSTRUCTION (9.19, 9.23.13, 9.23.15)  
NO. 210 (10.25 KG/M2) ASPHALT SHINGLES, 3/8" (9.5) PLYWOOD SHEATHING  
W/ 4"x4" (10.25) APPROVED WOOD TRUSSES @ 24" (610) O.C. MAX. APPROVED  
EAVES PROTECTION TO EXTEND 2'-11" (660) FROM EDGE OF ROOF AND MIN.  
12" (305) BEYOND INNER FACE OF EXTERIOR WALL, 2"x4" (50.8x89) TRUSS  
BRACING @ 8'-0" (2438) O.C. AT BOTTOM CHORD, PREFR. ALUM.  
EAVESTROUGH, FASCIA, RVL & VENTED SOFFIT. ATTIC VENTILATION: 1'300 OF  
INSULATED CEILING AREA WITH MIN. 25% OF REQUIRED OPENINGS LOCATED  
AT TOP OF SPACE & MIN. 23% OF REQUIRED OPENINGS LOCATED AT BOTTOM  
OF SPACE. EAVESTROUGH TO BE 4" MIN. WITH RVL DISCHARGING ONTO  
CONCRETE SPLASH PADS OR PER MUNICIPAL REQUIREMENTS. TOWNHOUSES  
TO HAVE 5" MIN. EAVESTROUGH WITH ELEC. TRACED HEATER CABLE ALONG  
EAVESTROUGH AND DOWN RVL.  
**ICE AND WATER SHIELD**  
PROVIDE ICE AND WATER SHIELD IN THE AREAS INDICATED. THE ICE AND WATER  
SHIELD SHALL BE A SELF-ADHERING AND SELF-SEALING MEMBRANE. SIDE LAPS  
MUST BE A MINIMUM 3 1/2" (90) AND END LAPS A MINIMUM 6" (152), AND TO  
EXTEND UP DOWNER WALLS A MINIMUM 12" (305).  
**PROFILED ROOF TRUSSES**  
ROOF TRUSSES SHALL BE PROFILED AND/OR STEPPED AT RAISED COTTER/TRAY  
CEILINGS. ANGLED TRAY CEILINGS WILL BE SHEATHED W/ 3/8" (9.5) PLYWOOD.  
**SIDING WALL CONSTRUCTION (2"x6")**  
SIDING MATERIAL AS PER ELEVATION ATTACHED TO FRAMING MEMBERS.  
FURRING MEMBERS OR BLOCKING BETWEEN THE FRAMING MEMBERS ON  
APPROVED SHEATHING PAPER ON 3/8" (9.5) EXT. GRADE SHEATHING ON STUDS  
CONFORMING TO O.B.C (9.23.10.1) & SECTION 1.1. INSULATION: APPROVED 6 MIL  
POLYETHYLENE AIRVAPOUR BARRIER, ON 1/2" (12.7) GYPSUM WALLBOARD INT. FIN.  
(GYPSUM SHEATHING, RIGID INSULATION, AND FIBERBOARD SHALL NOT BE USED  
FOR THE ATTACHMENT OF SIDING (9.23.16.3 (1.1)) (REFER TO 35 NOTE AS REQ.)  
**SIDING WALL CONSTRUCTION (2"x6") W/ CONTIN. INSULATION**  
SIDING MATERIAL AS PER ELEVATION ATTACHED TO FURRING MEMBERS ON  
APPROVED AIRWATER BARRIER AS PER O.B.C. 9.27.3. ON EXTERIOR TYPE RIGID  
INSULATION (JOINTS UNTAPED) MECHANICALLY FASTENED AS PER  
MANUFACTURER'S SPECIFICATIONS ON 3/8" (9.5) EXT. GRADE SHEATHING ON  
STUDS CONFORMING TO O.B.C (9.23.10.1) & SECTION 1.1. INSULATION: APPROVED  
6 MIL POLYETHYLENE AIRVAPOUR BARRIER, ON 1/2" (12.7) GYPSUM WALLBOARD  
INT. FIN. (GYPSUM SHEATHING, RIGID INSULATION, AND FIBERBOARD SHALL NOT BE  
USED FOR THE ATTACHMENT OF SIDING (9.23.16.3 (1.1)) (REFER TO 35 NOTE AS REQ.)  
**SIDING WALL @ GARAGE CONSTRUCTION**  
SIDING MATERIAL AS PER ELEVATION ATTACHED TO FRAMING MEMBERS.  
FURRING MEMBERS OR BLOCKING BETWEEN THE FRAMING MEMBERS ON  
APPROVED SHEATHING PAPER ON 3/8" (9.5) EXTERIOR TYPE SHEATHING ON  
STUDS CONFORMING TO O.B.C (9.23.10.1) & SECTION 1.1. 1/2" (12.7) GYPSUM  
WALLBOARD INTERIOR FINISH. (GYPSUM SHEATHING, RIGID INSULATION AND  
FIBERBOARD SHALL NOT BE USED FOR THE ATTACHMENT OF SIDING  
(9.23.16.3 (1.1)) (REFER TO 35 NOTE AS REQ.)  
**BRICK VENEER WALL CONSTRUCTION (2"x6")**  
3 1/2" (90) BRICK VENEER 1" (25) AIR SPACE, 7/8"x7"x0.03" (22x180x0.76) GALV. METAL TIES  
@ 16" (406) O.C. HORIZ. 24" (600) O.C. VERT. BONDING AND FASTENING FOR TIES TO  
CONFORM WITH 9.20.9. ON APPROVED SHEATHING PAPER, 3/8" (9.5) EXTERIOR TYPE  
SHEATHING, STUDS CONFORMING TO O.B.C (9.23.10.1) & SECTION 1.1. INSULATION  
AND 6 mil POLYETHYLENE VAPOUR BARRIER WITH APPROVED CONTIN. AIR BARRIER, 1/2"  
(12.7) GYPSUM WALLBOARD INTERIOR FINISH. PROVIDE WEEP HOLES @ 32" (800) O.C.  
BOTTOM COURSE AND OVER OPENINGS. PROVIDE BASE FLASHING UP MIN. 6" (150)  
BEHIND BUILDING PAPER (9.20.13.6) (REFER TO 35 NOTE AS REQUIRED)  
**BRICK VENEER WALL @ GARAGE CONSTRUCTION**  
3 1/2" (90) BRICK VENEER, MIN. 1" (25) AIR SPACE, 7/8"x7"x0.03" (22x180x0.76) GALV. METAL  
TIES @ 16" (406) O.C. HORIZ. 24" (600) O.C. VERT. BONDING AND FASTENING FOR  
TIES TO CONFORM WITH 9.20.9. ON APPROVED SHEATHING PAPER, 3/8" (9.5)  
EXTERIOR TYPE SHEATHING ON STUDS CONFORMING TO O.B.C (9.23.10.1) &  
SECTION 1.1. 1/2" (12.7) GYPSUM WALLBOARD INTERIOR FINISH. PROVIDE WEEP  
HOLES @ 32" (800) O.C. AT BOTTOM COURSE AND OVER OPENINGS. PROVIDE  
BASE FLASHING UP 6" (150) MIN. BEHIND BUILDING PAPER (9.20.13.6) (REFER TO  
35 NOTE AS REQ.)  
**INTERIOR STUD PARTITIONS (9.23.9.8., 9.23.10)**  
BEARING PARTITIONS SHALL BE A MINIMUM 2"x4" (38x89) @ 16" (406) O.C. FOR 2  
STOREY AND 12" (305) O.C. FOR 3 STOREY. NON-BEARING PARTITIONS 2"x4" (38x89)  
@ 24" (610) O.C. PROVIDE 2"x4" (38x89) BOTTOM PLATE AND 2-x24" (2-38x89) TOP  
PLATE. 1/2" (12.7) INT. DRYWALL BOTH SIDES OF STUDS. PROVIDE 2"x6" (38x40)  
STUDS WHERE NOTED. PROVIDE 2"x4" (38x89) @ 24" (610) O.C. LADDER FRAMING  
WHERE WALLS INTERSECT PERPENDICULAR TO ONE ANOTHER. PROVIDE 2"x4"  
(38x89) WOOD BLOCKING ON FLAT @ 3'-11" (1194) O.C. MAX. BETWEEN FLOOR  
JOISTS WHEN NON-LOADBEARING WALLS ARE PARALLEL TO FLOOR JOISTS.  
**EXT. LOFT WALL CONSTRUCTION (2"x6") - NO GLASSING**  
3/8" (9.5) EXTERIOR TYPE SHEATHING. STUDS CONFORMING TO O.B.C (9.23.10.1) &  
SECTION 1.1. INSULATION AND 6 mil POLYETHYLENE VAPOUR BARRIER WITH  
APPROVED CONT. AIR BARRIER. 1/2" (12.7) GYPSUM WALLBOARD INT. FINISH. (9.23.)  
**EXT. LOFT WALL CONSTRUCTION (2"x6")**  
APPROVED AIRWATER BARRIER AS PER O.B.C 9.27.3 ON EXTERIOR TYPE RIGID  
INSULATION (JOINTS UNTAPED) MECHANICALLY FASTENED AS PER  
MANUFACTURER'S SPECIFICATIONS. ON 3/8" (9.5) EXTERIOR TYPE SHEATHING,  
STUDS CONFORMING TO O.B.C (9.23.10.1) & SECTION 1.1. INSULATION AND 6  
mil POLYETHYLENE VAPOUR BARRIER WITH APPROVED CONT. AIR BARRIER. 1/2"  
(12.7) GYPSUM WALLBOARD INT. FINISH. (9.23.)  
**FOUNDATION WALL/FOOTINGS**  
POURED CONC. FOUNDATION WALL AS PER CHART BELOW ON CONTINUOUS  
KEYED CONCRETE FOOTING. FOUNDATION WALLS SHALL EXTEND NOT LESS  
THAN 6" (150) ABOVE FINISHED GRADE. THE OUTSIDE OF THE FOUNDATION  
SHALL BE DAMPROOFED FROM THE TOP OF THE FOOTING TO FINISHED GRADE  
AND BRUSH COAT FROM THE TOP TO 2' BELOW GRADE. PROVIDE A DRAINAGE  
LAYER ON THE OUTSIDE OF THE FOUNDATION WALL. SEAL THE DRAINAGE LAYER  
AT THE TOP. THE TOP OF THE CONC. FOOTING SHALL BE DAMPROOFED.  
CONCRETE FOOTINGS SUPPORTING JOIST SPANS GREATER THAN 16'-1" (4900)  
SHALL BE SIZED IN ACCORDANCE WITH 9.15.3.4 (1.1) OF THE O.B.C. (REFER TO  
CHART BELOW FOR RESPECTIVE SIZES). BRACE FOUNDATION WALL PRIOR TO  
BACKFILLING. ALL FOOTINGS SHALL REST ON NATURAL UNDISTURBED SOIL OF  
78kPa OR COMPACTED ENGINEERED FILL WITH MIN. BEARING CAPACITY OF  
150kPa. IF SOIL BEARING DOES NOT MEET MINIMUM CAPACITY, ENGINEERED  
FOOTINGS ARE REQUIRED. ACTUAL SOIL BEARING CAPACITY TO BE VERIFIED  
WITH SOIL ENGINEERING REPORT.  
REFER TO CONSTRUCTION DRAWINGS AND DETAILS FOR FOUNDATION  
WALL STRENGTH AND THICKNESS AND 9.15.4.  
FOUNDATION WALLS SHALL NOT EXCEED 9'-10" (3.0m) IN UNSUPPORTED  
HEIGHT UNLESS OTHERWISE NOTED. (9.15.4.2 (1.1))  
UNREINFORCED SOLID CONCRETE FOUNDATION WALLS (9.15.4.2)  
MIN. THICKNESS  
MAX. HEIGHT FROM FIN. SLAB TO GRADE  
UNSUPPORTED  
SUPPORTED  
AT TOP  
2.5m <= 2.5m <= 2.75m > 2.75m <= 3.0m  
1' 3" 7'-0" (2.10m) 7'-0" (2.10m) 7'-0" (2.10m)  
8" 3" 4'-1" (1.20m) 7'-6" (2.30m) 8'-6" (2.60m) 8'-2" (2.50m)  
10" 4'-11" (1.40m) 7'-6" (2.30m) 8'-6" (2.60m) 9'-3" (2.85m)  
12" 4'-11" (1.40m) 7'-6" (2.30m) 7'-6" (2.30m) 7'-2" (2.20m)  
14" 4'-7" (1.40m) 7'-6" (2.30m) 8'-6" (2.60m) 9'-3" (2.85m)  
16" 4'-7" (1.40m) 7'-6" (2.30m) 8'-6" (2.60m) 9'-3" (2.85m)  
18" 4'-7" (1.40m) 7'-6" (2.30m) 8'-6" (2.60m) 9'-3" (2.85m)  
20" 4'-7" (1.40m) 7'-6" (2.30m) 8'-6" (2.60m) 9'-3" (2.85m)  
22" 4'-7" (1.40m) 7'-6" (2.30m) 8'-6" (2.60m) 9'-3" (2.85m)  
24" 4'-7" (1.40m) 7'-6" (2.30m) 8'-6" (2.60m) 9'-3" (2.85m)  
26" 4'-7" (1.40m) 7'-6" (2.30m) 8'-6" (2.60m) 9'-3" (2.85m)  
28" 4'-7" (1.40m) 7'-6" (2.30m) 8'-6" (2.60m) 9'-3" (2.85m)  
30" 4'-7" (1.40m) 7'-6" (2.30m) 8'-6" (2.60m) 9'-3" (2.85m)  
32" 4'-7" (1.40m) 7'-6" (2.30m) 8'-6" (2.60m) 9'-3" (2.85m)  
34" 4'-7" (1.40m) 7'-6" (2.30m) 8'-6" (2.60m) 9'-3" (2.85m)  
36" 4'-7" (1.40m) 7'-6" (2.30m) 8'-6" (2.60m) 9'-3" (2.85m)  
38" 4'-7" (1.40m) 7'-6" (2.30m) 8'-6" (2.60m) 9'-3" (2.85m)  
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42" 4'-7" (1.40m) 7'-6" (2.30m) 8'-6" (2.60m) 9'-3" (2.85m)  
44" 4'-7" (1.40m) 7'-6" (2.30m) 8'-6" (2.60m) 9'-3" (2.85m)  
46" 4'-7" (1.40m) 7'-6" (2.30m) 8'-6" (2.60m) 9'-3" (2.85m)  
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346" 4'-7" (1.40m) 7'-6" (2.30m) 8'-6" (2.60m) 9'-3" (2.85m)  
348" 4'-7" (1.40m) 7'-6" (2.30m) 8'-6" (2.60m) 9'-3" (2.85m)  
350" 4'-7" (1.40m) 7'-6" (2.30m) 8'-6" (2.60m) 9'-

cont. SECTION 1.0. CONSTRUCTION NOTES

- 40

1 HR. PARTY WALL (CONC. BLOCK) (SB-3) WALL TYPE B6d & B1b) 1/2" (12.7) GYPSUM SHEATHING ON EACH SIDE ON 2"x2" (38x38) VERTICAL WD. STRAPPING @ 24" (610) O.C. ON 8" (203) CONC. BLOCK FILL STRAPPING CAVITY EACH SIDE WITH AT LEAST 60% OF ABSORPTIVE MATERIAL PROCESSED FROM ROCK, SLAG OR GLASS. TAPE, FILL & SAND ALL GYPSUM JOINTS. EXPOSED BLOCK MUST BE SEALED W/ 2 COATS OF PAINT OR FURRED WITH 2"x2" (38x38) WD. STRAPPING @ 1/2" (12.7) GYPSUM SHEATHING.
- 40

1 HR. PARTY WALL (DOUBLE STUD) (SB-3) WALL TYPE W16c) 5/8" (15.9) TYPE X GYPSUM SHEATHING ON EXTERIOR SIDE OF 2 ROWS OF 2"x4" (38x89) STUDS @ 16" (406) O.C. MIN. 1" (25) APART ON SEPARATE 2"x4" (38x89) SILL PLATES. 2"x6" (38x40) AS REQUIRED) FILL ONE SIDE OF STUD CAVITY WITH AT LEAST 60% OF ABSORPTIVE MATERIAL PROCESSED FROM ROCK, SLAG OR GLASS. TAPE FILL AND SAND ALL GYPSUM JOINTS.
- 40A

2 HR. FIREWALL (SB-3) WALL TYPE B6a & B1b) 1/2" (12.7) GYPSUM SHEATHING ON EACH SIDE ON 2"x2" (38x38) VERTICAL WD STRAPPING @ 24" (610) O.C. ON 8" (203) CONC. BLOCK 75% SOLID. FILL STRAPPING CAVITY EACH SIDE WITH AT LEAST 60% OF ABSORPTIVE MATERIAL PROCESSED FROM ROCK, SLAG OR GLASS. TAPE, FILL & SAND ALL GYPSUM JOINTS. AT UNFINISHED AREAS, EXTERIOR FACE OF CONC. BLOCK TO BE SEALED WITH 2 COATS OF PAINT. GYPSUM SHEATHING TO BE ATTACHED TO CONC. BLOCK. (REFER TO DETAILS)
- 41

STUCCO WALL CONSTRUCTION (2"x6") STUCCO FINISH CONFORMING TO O.B.C. SECTION 9.28. AND APPLIED PER MANUFACTURERS SPECIFICATIONS OVER 1 1/2" (38) E.I.F.S. (MINIMUM) ON APPROVED DRAINAGE MAT ON 1/2" (12.7) DENSGLASS GOLD GYPSUM BOARD ON STUDS CONFORMING TO O.B.C (9.23.10.1) & SECTION 1.1. INSULATION, APPROVED 6 MIL. POLYETHYLENE VAPOR BARRIER. 1/2" (12.7) GYPSUM WALLBOARD INT. FINISH. (REFER TO 35 NOTE AS REQUIRED)
- 41A

STUCCO WALL CONSTRUCTION (2"x6") W/ CONTIN. INSUL. STUCCO FINISH CONFORMING TO O.B.C. SECTION 9.28. AND APPLIED PER MANUFACTURERS SPECIFICATIONS OVER 1 1/2" (38) E.I.F.S. (MINIMUM) ON APPROVED DRAINAGE MAT ON APPROVED AIRWATER BARRIER AS PER O.B.C. 9.27.3. ON EXTERIOR TYPE RIGID INSULATION (JOINTS UNTAPED) MECHANICALLY FASTENED AS PER MANUFACTURERS SPECIFICATIONS. ON 7/16" EXTERIOR TYPE SHEATHING ON STUDS CONFORMING TO O.B.C (9.23.10.1) & SECTION 1.1. INSULATION, APPROVED 6 MIL. POLYETHYLENE VAPOR BARRIER. 1/2" (12.7) GYPSUM WALLBOARD INT. FINISH. (REFER TO 35 NOTE AS REQUIRED)
- 41B

STUCCO WALL @ GARAGE CONST. STUCCO FINISH CONFORMING TO O.B.C. SECTION 9.28. AND APPLIED PER MANUFACTURERS SPECIFICATIONS OVER 1 1/2" (38) E.I.F.S. (MINIMUM) ON APPROVED DRAINAGE MAT ON 1/2" (12.7) DENSGLASS GOLD GYPSUM BRD. ON STUDS CONFORMING TO O.B.C (9.23.10.1) & SECTION 1.1. 1/2" (12.7) GYPSUM WALLBOARD INT. FINISH. (REFER TO 35 NOTE AS REQ.) \*\*\*FOR DWELLINGS USING CONTIN. INSULATION CONSTRUCTION, PROVIDE APPROVED DRAINAGE MAT ON 7/16" (11) EXTERIOR TYPE SHEATHING OVER FLUING (AS REQ.) AND STUDS IN LINE OF 1 1/2" (38) E.F.S. (MINIMUM) ON APPROVED DRAINAGE MAT ON 1/2" (12.7) DENSGLASS GOLD GYPSUM BRD. REINFORCING AT BASEMENT WINDOWS
- 42

UNSUPPORTED FOUNDATION WALLS (9.15.4.2.) REINFORCING AT STAIRS AND SUNKEN FLOOR AREAS 2-20M BARS IN TOP PORTION OF WALL (UP TO 8'-0" OPENING) 3-28M BARS IN TOP PORTION OF WALL (8'-0" TO 10'-0" OPENING) 4-20M BARS IN TOP PORTION OF WALL (10'-0" TO 15'-0" OPENING) - BARS STACKED VERTICALLY AT INTERIOR FACE OF WALL REINFORCING AT BASEMENT WINDOWS 2-15M HORIZ. REINFORCING ON THE INSIDE AND OUTSIDE FACE OF THE FOUNDATION WALL BELOW THE WIN. SILL. EXTEND BARS 24" (610) BEYOND THE OPENING. 2-15M VERTICAL REINFORCING ON THE INSIDE AND OUTSIDE FACE OF THE FOUNDATION WALL ON EACH SIDE OF THE WINDOW OPENING. - BARS TO HAVE MIN. 1" (25) CONC. COVER - BARS TO EXTEND 2'-0" (610) BEYOND BOTH SIDES OF OPENING
- 43

STUD WALL REINFORCEMENT PROVIDE STUD WALL REINFORCEMENT IN MAIN BATHROOM CONFORMING TO O.B.C. (9.5.2.3.(1) AND 3.8.3.8.(3)) (REFER TO DETAILS)
- 44

WINDOW WELLS WHERE A WINDOW OPENS INTO A WINDOW WELL, A CLEARANCE OF NOT LESS THAN 21.58" (550) SHALL BE PROVIDED IN FRONT OF THE WINDOW. EVERY WINDOW WELL SHALL BE DRAINED TO THE FOOTING LEVEL OR OTHER SUITABLE LOCATION WITH A 4" (100) WEEPING TILE C/W A FILTER CLOTH WRAP AND FILLED WITH CRUSHED STONE. (9.9.10.1.(5), 9.14.5.3.)
- 45

SLOPED CEILING CONSTRUCTION (SB-1/2) 2.1.1.7., 9.23.4.2.) 2X12" (38x286) ROOF JOISTS @ 16" (406) O.C. MAX. (UNLESS OTHERWISE NOTED) W/ 2"x2" (38x38) PURLINS @ 16" (406) O.C. PERPENDICULAR TO ROOF JOIST (PURLINS NOT REQ. W/ SPRAY FOAM). W/ INSULATION WALLBOARD INT. 6 MIL POLYETHYLENE VAPOR BARRIER. 1/2" (12.7) GYPSUM WALLBOARD INT. FINISH OR APPROVED EQ. INSULATION VALUE DIRECTLY ABOVE THE INNER SURFACE OF EXTERIOR WALLS SHALL NOT BE LESS THAN R20 (9.52 RS1).
- 46

FLAT ROOF/BALCONY CONSTRUCTION WATERPROOFING MEMBRANE (9.28.11, 9.28.15, 9.28.16) FULLY ADHERED TO 5/8" (15.9) T&G EXTERIOR GRADE PLYWOOD SHEATHING ON 2"x2" (38x38) PURLINS ANGLED TOWARDS SCUPPER @ 2% MINIMUM LAID PERPENDICULAR TO 2"x8" (38x184) FLOOR JOISTS @ 16" (406) O.C. (UNLESS OTHERWISE NOTED). BUILT UP CURB TO BE 4" (100) MIN. ABOVE FINISHED BALCONY FLOOR. CONTINUOUS 1" TRIM DRIP EDGE TO BE PROVIDED ON OUTSIDE FACE OF CURB. SCUPPER DRAIN TO BE LOCATED 24" (610) MIN. AWAY FROM HOUSE. PREFINISHED ALUMINUM OR PANEL FOR UNDERSIDE OF SOFFIT (9.23.2.3). REMOVE CURB WHERE REQ. BALCONY CONSTRUCTION SEE FLAT ROOF/BALCONY CONSTRUCTION NOTE. INCLUDE 2"x4" (38x89) PT. DECKING W/ 1/4" (6.4) GAPS LAID FLAT PARALLEL TO JOISTS ON 2"x4" (38x89) PT. SLEEPERS @ 12" (305) O.C. LAID FLAT PERPENDICULAR TO JOISTS
- 47

BALCONY OVER HEATED SPACE CONDITION SEE FLAT ROOF/BALCONY CONSTRUCTION NOTE FOR ASSEMBLY. REFER TO PLANS FOR FLOOR JOIST SIZE & REFER TO HEX NOTE 9 FOR INSULATION AND INTERIOR FINISH
- 47

BARREL VAULT CONSTRUCTION CANTILEVERED 2"x4" (38x89) SPACERS LAID FLAT ON 2X10" (38x235) SPR. #2 ROOF JOIST NAILED TO BUILT-UP 3-3/4" (119) PLYWOOD HEADER PROFILED FOR BARREL. SPRAY FOAM INSULATION BETWEEN JOISTS W/ GYPSUM BOARD. INTERIOR FIN. (REFER TO DETAILS)

| REFER TO SB-12 ENERGY EFFICIENCY DESIGN MATRIX ON THE TITLE PAGE FOR ALL VALUES AS REQUIRED PER 3.1.1.1., 3.1.2., 3.1.3. OF THE OBC. |                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| 3.3. DOOR SCHEDULE                                                                                                                   |                                                                                                           |
| CONFORMING TO SECTIONS 9.5.1.1, 9.6., 9.7.2.1, 9.7.5.2. & 9.10.13.10                                                                 |                                                                                                           |
| 1                                                                                                                                    | EXTERIOR 2'-8" x 6'-8" x 1-3/4" (615 x 2030 x 45) INSULATED MIN. R4 (RSI 0.7)                             |
| 1A                                                                                                                                   | EXTERIOR 2'-10" x 6'-8" x 1-3/4" (865 x 2030 x 45) INSULATED MIN. R4 (RSI 0.7)                            |
| 1B                                                                                                                                   | EXTERIOR 3'-0" x 6'-8" x 1-3/4" (915 x 2030 x 45) INSULATED MIN. R4 (RSI 0.7)                             |
| 1C                                                                                                                                   | EXTERIOR 2'-8" x 6'-8" x 1-3/4" (760 x 2030 x 45) INSULATED MIN. R4 (RSI 0.7)                             |
| 1D                                                                                                                                   | EXTERIOR 2'-8" x 6'-8" x 1-3/4" (615 x 2030 x 45) INS. MIN. R4 (RSI 0.7) (SEE HEX NOTE 20)                |
| 1E                                                                                                                                   | EXTERIOR 3'-0" x 8'-0" x 1-3/4" (915 x 2440 x 45) INSULATED MIN. R4 (RSI 0.7)                             |
| 1F                                                                                                                                   | EXTERIOR 2'-8" x 8'-0" x 1-3/4" (815 x 2440 x 45) INSULATED MIN. R4 (RSI 0.7)                             |
| 2A                                                                                                                                   | EXTERIOR 2'-8" x 6'-8" x 1-3/4" (615 x 2030 x 45) 20 MIN. F.A.R. DOORFRAME WITH APP. SELF-CLOSING DEVICE. |
| 2                                                                                                                                    | INTERIOR 2'-8" x 6'-8" x 1-3/8" (615 x 2030 x 35)                                                         |
| 3                                                                                                                                    | INTERIOR 2'-8" x 6'-8" x 1-3/8" (760 x 2030 x 35)                                                         |
| 3A                                                                                                                                   | INTERIOR 2'-4" x 6'-8" x 1-3/8" (710 x 2030 x 35)                                                         |
| 4                                                                                                                                    | INTERIOR 2'-0" x 6'-8" x 1-3/8" (610 x 2030 x 35)                                                         |
| 4A                                                                                                                                   | INTERIOR 2'-2" x 6'-8" x 1-3/8" (660 x 2030 x 35)                                                         |
| 5                                                                                                                                    | INTERIOR 1'-5" x 6'-8" x 1-3/8" (460 x 2030 x 35)                                                         |

| 3.4. ACRONYMS |                              |
|---------------|------------------------------|
| 'AFF          | ABOVE FINISHED FLOOR         |
| BBFM          | BEAM BY FLOOR MANUFACTURER   |
| BG            | FIXED GLASS W/ BLACK BACKING |
| BM            | BEAM                         |
| BTB           | OPEN TO BELOW/ABOVE          |
| BBRM          | BEAM BY ROOF MANUFACTURER    |
| CRF           | CONVENTIONAL ROOF FRAMING    |
| CW            | COMPLETE WITH                |
| DJTJ          | DOUBLE JOIST/ TRIPLE JOIST   |
| DO            | DO OVER                      |
| DRP           | DROPPED                      |
| ENG           | ENGINEERED                   |
| EST           | ESTIMATED                    |
| FA            | FLAT ARCH                    |
| FD            | FLOOR DRAIN                  |
| FG            | FIXED GLASS                  |
| FL            | FLUSH                        |
| FLR           | FLOOR                        |
| GT            | GIRDER TRUSS                 |
| HB            | HOSE BIB                     |
| HRV           | HEAT RETURN VENTILATION UNIT |
| HWT           | HOT WATER TANK               |
| DO            | DO OVER                      |
| DRP           | DROPPED                      |
| ENG           | ENGINEERED                   |
| EST           | ESTIMATED                    |
| SB            | SOLID BEARING WOOD POST      |
| SBFA          | SB FROM ABOVE                |
| SJ            | SINGLE JOIST                 |
| SPR           | SPRUCE                       |
| STL           | STEEL                        |
| T/O           | TOP OF                       |
| TYP           | TYPICAL                      |
| U/S           | UNDERSIDE                    |
| WD            | WOOD                         |
| WIC           | WALK IN CLOSET               |
| WP            | WEATHER PROOF                |

| 3.5. SYMBOLS                                                                  |                                        |
|-------------------------------------------------------------------------------|----------------------------------------|
| ALL ELECTRICAL FACILITIES SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 9.34. |                                        |
| ⦿                                                                             | CLASS 'B' VENT                         |
| ⦿                                                                             | EXHAUST VENT                           |
| ⦿                                                                             | DUPLUX OUTLET (12" HIGH)               |
| ⦿                                                                             | DUPLUX OUTLET (HEIGHT AS NOTED A.F.F.) |
| ⦿                                                                             | HEAVY DUTY OUTLET                      |
| ⦿                                                                             | POT LIGHT                              |
| ⦿                                                                             | LIGHT FIXTURE (CEILING MOUNTED)        |
| ⦿                                                                             | LIGHT FIXTURE (PULL CHAIN)             |
| ⦿                                                                             | CABLE T.V. JACK                        |
| ⦿                                                                             | TELEPHONE JACK                         |
| ⦿                                                                             | CENTRAL VACUUM OUTLET                  |
| ⦿                                                                             | CHANDELIER (CEILING MOUNTED)           |

■ SA SMOKE ALARM (9.10.19.) PROVIDE ONE PER FLOOR, NEAR THE STAIRS, CONNECTING THE FLOOR LEVEL. ALARMS ARE TO BE INSTALLED IN EACH SLEEPING ROOM AND IN A LOCATION BETWEEN SLEEPING ROOMS AND CONNECTING HALLWAYS AND WIRED TO BE INTERCONNECTED TO ACTIVATE ALL ALARMS IF ONE SOUNDS. ALARMS ARE TO BE CONNECTED TO AN ELECTRICAL CIRCUIT AND WITH A BATTERY BACKUP. ALARM SIGNAL SHALL MEET TEMPORAL SOUND PATTERNS MIN. ALARMS SHALL HAVE A VISUAL SIGNALING COMPONENT AS PER THE NATIONAL FIRE ALARM AND SIGNALING CODE 72.

SECTION 2.0. GENERAL NOTES

- 2.1. WINDOWS
- 1) EXCEPT WHERE A DOOR ON THE SAME FLOOR LEVEL AS THE BEDROOM PROVIDES DIRECT ACCESS TO THE EXTERIOR, EVERY FLOOR LEVEL CONTAINING A BEDROOM IS TO HAVE AT LEAST ONE OUTSIDE WINDOW W/ MIN. 0.36m<sup>2</sup> UNOBSTRUCTED OPEN PORTION W/ NO DIMENSION LESS THAN 1'-3" (380), CAPABLE OF MAINTAINING THE OPENING WITHOUT THE NEED FOR ADDITIONAL SUPPORT, CONFORMING TO 9.9.10.
- 2) WINDOW GUARDS: A GUARD OR A WINDOW WITH A MAXIMUM RESTRICTED OPENING WIDTH OF 4" (100) IS REQUIRED WHERE THE TOP OF THE WINDOW SILL IS LOCATED LESS THAN 1'-7" (480) ABOVE FIN. FLOOR AND THE DISTANCE FROM THE FINISHED FLOOR TO THE ADJACENT FLOOR IS GREATER THAN 5'-11" (1800). (9.8.8.1.)
- 3) WINDOWS IN EXT. STAIRWAYS THAT EXTEND TO LESS THAN 2'-11" (600) [3'-6" (1070) FOR ALL OTHER BUILDINGS] SHALL BE PROTECTED BY GUARDS IN ACCORDANCE WITH NOTE #2 (ABOVE), OR THE WINDOW SHALL BE NON-OPERABLE AND DESIGNED TO WITHSTAND THE SPECIFIED LOADS FOR BALCONY GUARDS AS PROVIDED IN 4.1.5.15 OR 9.8.8.2
- 4) REFER TO TITLE PAGE FOR MAX. U-VALUE REQUIREMENTS

2.2. CEILING HEIGHTS

THE CEILING HEIGHTS OF ROOMS AND SPACES SHALL CONFORM TO TABLE 9.5.3.1.

| ROOM OR SPACE                        | MINIMUM HEIGHTS                                                                                                                    |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| LIVING ROOM, DINING ROOM AND KITCHEN | 7'-7" OVER 75% OF REQUIRED FLOOR AREA WITH A CLEAR HEIGHT OF 6'-11" AT ANY POINT                                                   |
| BEDROOM                              | 7'-7" OVER 50% OF REQUIRED FLOOR AREA OR 6'-11" OVER ALL OF THE REQUIRED FLOOR AREA.                                               |
| BASEMENT                             | 6'-11" OVER AT LEAST 75% OF THE BASEMENT AREA EXCEPT THAT UNDER BEAMS AND DUCTS THE CLEARANCE IS PERMITTED TO BE REDUCED TO 6'-5". |
| BATHROOM, LAUNDRY AREA ABOVE GRADE   | 6'-11" IN ANY AREA WHERE A PERSON WOULD NORMALLY BE STANDING                                                                       |
| FINISHED ROOM NOT MENTIONED ABOVE    | 8'-11"                                                                                                                             |
| MEZZANINES                           | 6'-11" ABOVE & BELOW FLOOR ASSEMBLY (9.5.3.2.)                                                                                     |
| STORAGE GARAGE                       | 6'-7" (9.5.3.3.)                                                                                                                   |

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 (PRINCIPAL EXHAUST) IS REQUIRED, CONFORM TO OBC 9.32.3.4. WHEN A HRV IS REQUIRED, CONFORM TO 9.32.3.11. REFER TO MECHANICAL DRAWINGS.

2) REFER TO HOT WATER TANK MANUFACTURER SPECS. CONFORM TO OBC 9.31.6.

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 9.1.1.12. OF THE O.B.C.

2.4. LUMBER

1) ALL LUMBER SHALL BE SPRUCE No.2 GRADE OR BETTER, UNLESS NOTED OTHERWISE.

2) STUDS SHALL BE STUD GRADE SPRUCE, UNLESS NOTED OTHERWISE.

3) LUMBER EXPOSED TO THE EXTERIOR TO BE SPRUCE No. 2 GRADE PRESSURE TREATED OR CEDAR, UNLESS NOTED OTHERWISE.

4) ALL LAMINATED VENEER LUMBER (LVL) BEAMS, GIRDER TRUSSES, AND METAL HANGER CONNECTIONS SUPPORTING ROOF FRAMING TO BE DESIGNED & CERTIFIED BY JOIST AND ROOF TRUSS MANUFACTURER.

5) JOIST HANGERS: PROVIDE APPROVED METAL HANGERS FOR ALL JOISTS AND BUILT-UP WOOD MEMBERS INTERSECTING WITH FLUSH BUILT-UP WOOD MEMBERS.

6) WOOD FRAMING NOT TREATED WITH A WOOD PRESERVATIVE, IN CONTACT WITH CONCRETE, SHALL BE SEPARATED FROM THE CONC. BY AT LEAST 2 mil POLYETHYLENE FILM, No.50 (4965) ROLL. ROOFING OR OTHER DAMPROOFING MATERIAL, EXCEPT WHERE THE WOOD MEMBER IS AT LEAST 6" (152) ABOVE THE GROUND.

2.5. STEEL (9.23.4.3)

1) STRUCTURAL STEEL SHALL CONFORM TO CAN/CSA-G40-21 GRADE 300W. HOLLOW STRUCT. SECTIONS SHALL CONFORM TO CAN/CSA-G40-21 GRADE 350W CLASS "H".

2) REINFORCING STEEL SHALL CONFORM TO CSA-G30-18M GRADE 400R.

2.6. FLAT ARCHES

1) FOR 9'-0" (2740) CEILINGS, FLAT ARCHES SHALL BE 8'-10" (2680) A.F.F.

2) FOR 9'-0" (2740) CEILINGS, FLAT ARCHES SHALL BE 7'-10" (2400) A.F.F.

3) FOR 10'-0" (3040) CEILINGS, FLAT ARCHES SHALL BE 8'-8" (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., 9.28.4. & 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 INDIVIDUAL COMPONENTS THAT FORM PART OF ANY ULC LISTED ASSEMBLY, SPECIFIED WITHIN THESE DRAWINGS, CANNOT BE ALTERED OR SUBSTITUTED FOR ANY OTHER MATERIAL PRODUCT OR SPECIFIED MANUFACTURER THAT IS IDENTIFIED IN THAT SPECIFIED ULC LISTING. THERE SHALL BE NO DEVIATIONS UNDER ANY CIRCUMSTANCES IN ANY ULC LISTED ASSEMBLY IDENTIFIED IN THESE DRAWINGS.

SECTION 3.0. LEGEND

3.1. WOOD LINTELS AND BUILT-UP WOOD

(DIVISION B PART 9, TABLE A8 TO A10 AND A12, A15 & A16)

FORMING PART OF SENTENCE 9.23.4.2.(6), 9.23.4.2.(4), 9.23.12.3.(1),(3), 9.23.13.8.(2), 9.37.3.1.(1)

| 2"x8" SPRUCE #2      | 2"x10" SPRUCE #2      | 2"x12" SPRUCE #2      |
|----------------------|-----------------------|-----------------------|
| L1 212"x8" (238x184) | L3 212"x10" (238x235) | L5 212"x12" (238x286) |
| B1 312"x8" (338x184) | B3 312"x10" (338x235) | B5 312"x12" (338x286) |
| B2 412"x8" (438x184) | B4 412"x10" (438x235) | B6 412"x12" (438x286) |
| B7 512"x8" (538x184) | B8 512"x10" (538x235) | B9 512"x12" (538x286) |

ENGINEERED LUMBER SCHEDULE

| 1 3/4" x 9 1/2" LVL | 1 3/4" x 11 7/8" LVL | 1 3/4" x 14" LVL  |
|---------------------|----------------------|-------------------|
| LV2 1-1 3/4"x9 1/2" | LV3 1-1 3/4"x11 7/8" | LV10 1-1 3/4"x14" |
| LV4 2-1 3/4"x9 1/2" | LV6 2-1 3/4"x11 7/8" | LV11 2-1 3/4"x14" |
| LV5 3-1 3/4"x9 1/2" | LV7 3-1 3/4"x11 7/8" | LV12 3-1 3/4"x14" |
| LV8 4-1 3/4"x9 1/2" | LV9 4-1 3/4"x11 7/8" | LV13 4-1 3/4"x14" |

3.2. STEEL LINTELS SUPPORTING MASONRY VENEER

(DIVISION B PART 9, TABLE 9.20.5.2.B.)

FORMING PART OF SENTENCE 9.20.5.2.(2) & 9.20.5.2.(3)

| CODE | SIZE                                     | BRICK           | STONE          |
|------|------------------------------------------|-----------------|----------------|
| L7   | 3 1/2" x 3 1/2" x 1 1/4" (89 x 89 x 6.4) | 8"-1" (2.47m)   | 7'-6" (2.30m)  |
| L8   | 4" x 3 1/2" x 1 1/4" (102 x 89 x 6.4)    | 8'-0" (2.66m)   | 8'-1" (2.48m)  |
| L9   | 4 7/8" x 3 1/2" x 5/16" (127 x 89 x 7.9) | 10'-10" (3.31m) | 10'-1" (3.03m) |
| L10  | 4 7/8" x 3 1/2" x 3/8" (127 x 89 x 11)   | 11'-5" (3.48m)  | 10'-7" (3.24m) |
| L11  | 5 7/8" x 3 1/2" x 3/8" (152 x 89 x 11)   | 12'-6" (3.82m)  | 11'-7" (3.54m) |
| L12  | 7 1/8" x 4" x 3/8" (178 x 102 x 11)      | 14'-1" (4.30m)  | 13'-1" (3.99m) |

CONSTRUCTION NOTES 2

ROYAL PINE HOMES - 216102

'CENTREFIELD', WEST GORMLEY, RICHMOND HILL, ON.

UNIT 2007

REV.2021.05.11

|                                        |            |                |                |             |
|----------------------------------------|------------|----------------|----------------|-------------|
| Drawn By                               | Checked By | Scale          | File Number    | Page Number |
| KM                                     | DS         | 3/16"=1'-0"    | 216102WT2007   | 16 of 16    |
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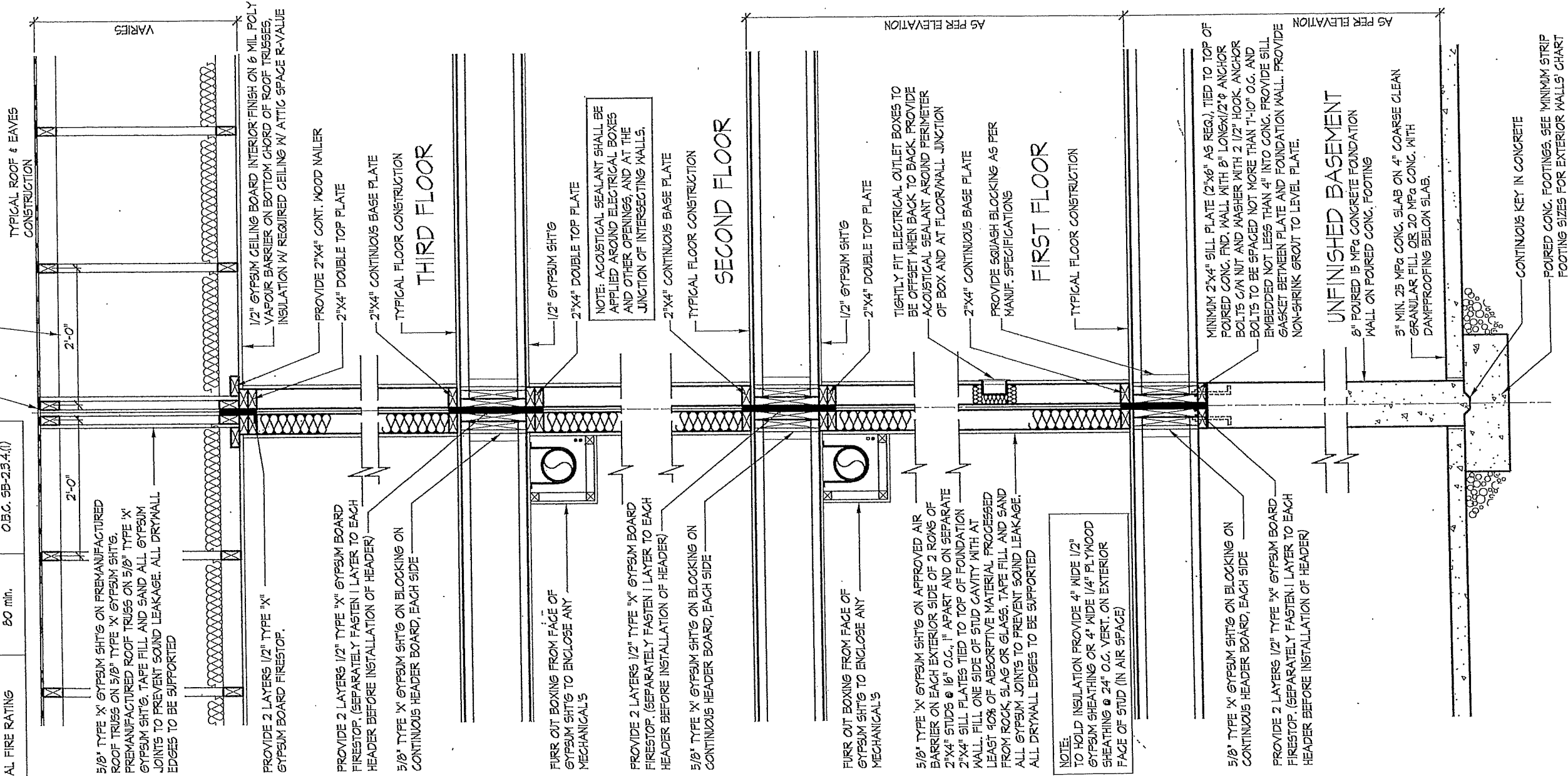
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| FIRE RATINGS - PARTY WALL TRUSS SPACE (OBC REF. - SB-2.3) |                    |                                   |
|-----------------------------------------------------------|--------------------|-----------------------------------|
| COMPONENT                                                 | FIRE RATING        | CODE REFERENCE                    |
| 5/8" (15.9mm) TYPE X GYPSUM WALL BOARD                    | 40 min.            | OBC, SB-2.3.4.(2) (TABLE 2.3.4.A) |
| WOOD TRUSSES                                              | NO RATING ASSIGNED |                                   |
| 5/8" (15.9mm) TYPE X GYPSUM WALL BOARD                    | 40 min.            | OBC, SB-2.3.4.(2) (TABLE 2.3.4.A) |
| TOTAL FIRE RATING                                         | 80 min.            | OBC, SB-2.3.4.(1)                 |

| FIRE & SOUND RATINGS - PARTY WALL |                |                   |
|-----------------------------------|----------------|-------------------|
| WBC                               | CODE REFERENCE | RATING            |
|                                   | OBC, SB-3      | 54 STC 10 IR, RRR |

FILL ANY VOID TO UNDERSIDE OF ROOF DECK AND TOP OF WALL WITH MINERAL WOOL.

WHEN ROOF JOISTS SPACING EXCEEDS 24" O.C. PROVIDE H-CLIPS @ 12" O.C.



NOTE: POURED CONC. FOOTING ON NATURAL UNDISTURBED SOIL OF 15KPa OR COMPACTED ENGINEERED FILL WITH MIN. BEARING CAPACITY OF 150KPa. FOOTING SIZE SHOWN FOR 16'-0" (4.9m) MAXIMUM JOIST SPAN ONLY. JOIST SPAN EXCEEDING 16'-0" (4.9m) SHALL BE ENGINEERED. IF SOIL BEARING DOES NOT MEET MINIMUM CAPACITY, ENGINEERED FOOTINGS ARE REQUIRED. ACTUAL SOIL BEARING CAPACITY TO BE VERIFIED WITH SOIL ENGINEERING REPORT.

| MINIMUM STRIP FOOTING SIZES (4153) |                                           |                                |
|------------------------------------|-------------------------------------------|--------------------------------|
| NUMBER FLOORS SUPPORTED            | SUPPORTING INT. LOAD BEARING MASONRY WALL | SUPPORTING EXTERIOR PARTY WALL |
| 1                                  | 16" W x 6" D                              | 16" W x 6" D                   |
| 2                                  | 24" W x 8" D                              | 20" W x 8" D                   |
| 3                                  | 36" W x 14" D                             | 26" W x 9" D                   |

NOTE: FOOTING SIZE SUBJECT TO CERTIFICATION BY A SOIL CONSULTANT

02 TYPICAL 1 HR PARTY WALL SECTION, PARALLEL ROOF TRUSSES, 2"X4" DOUBLE STUDS - 3 STOREY

1/2" = 1'-0"

SB-12 E

PRESCRIPTIVE CON

PARTY WALL

BUILDING COMPO

INSULATION (RSI)

CEILING W/ ATTIC

CEILING W/O ATTIC

EXPOSED FLOOR

WALLS ABOVE GR

BASEMENT WALLS

\* PROPOSED VALI

BELOW GRADE SL

EDGE OF BELOW

HEATED SLAB OR

WINDOWS/DOOR

WINDOWS/SLIDING

SKYLIGHTS (MAX)

APPLIANCE/ETHIC

SPACE HEATING E

HRV EFFICIENCY

DHW HEATER (EF)

AREA CALCULATION

GROUND FLOOR AREA

MAIN FLOOR AREA

THIRD FLOOR AREA

SUBTOTAL

DEDUCT ALL OPEN ARE

TOTAL NET AREA

COVERAGE

W/O UT PORCH

COVERAGE

W/ PORCH

WINDOW / WALL AREA

CALCULATIONS

GROSS WALL AREA

GROSS WINDOW AREA

(INCL. GLASS DOORS & SKYLIG

TOTAL WINDOW %



THE UNDERSIGNED HAS REVIEWED