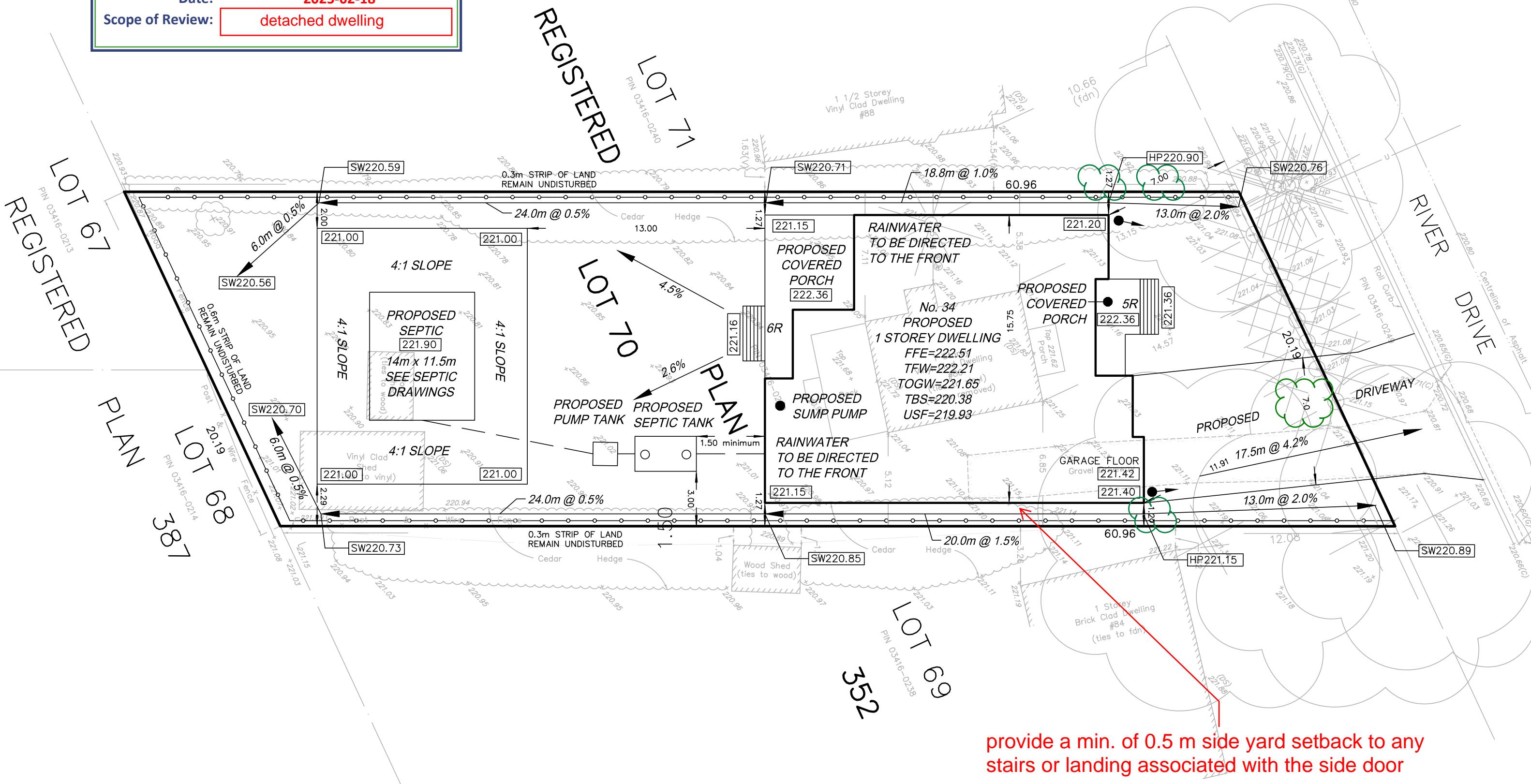




**Buildings Standards Branch
Zoning Review**

These plans have been reviewed for use with the corrections as noted. No other changes may be made without written approval of the Building Standards Branch. All work must comply with Zoning By-Law 2018-043, as amended, and the Ontario Building Code, as amended. These approved documents must be kept on site at all times.

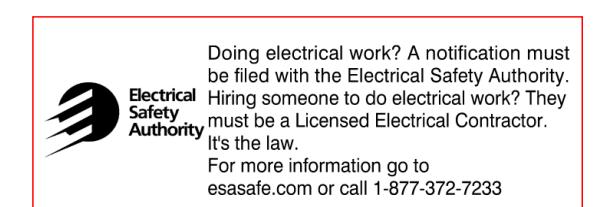
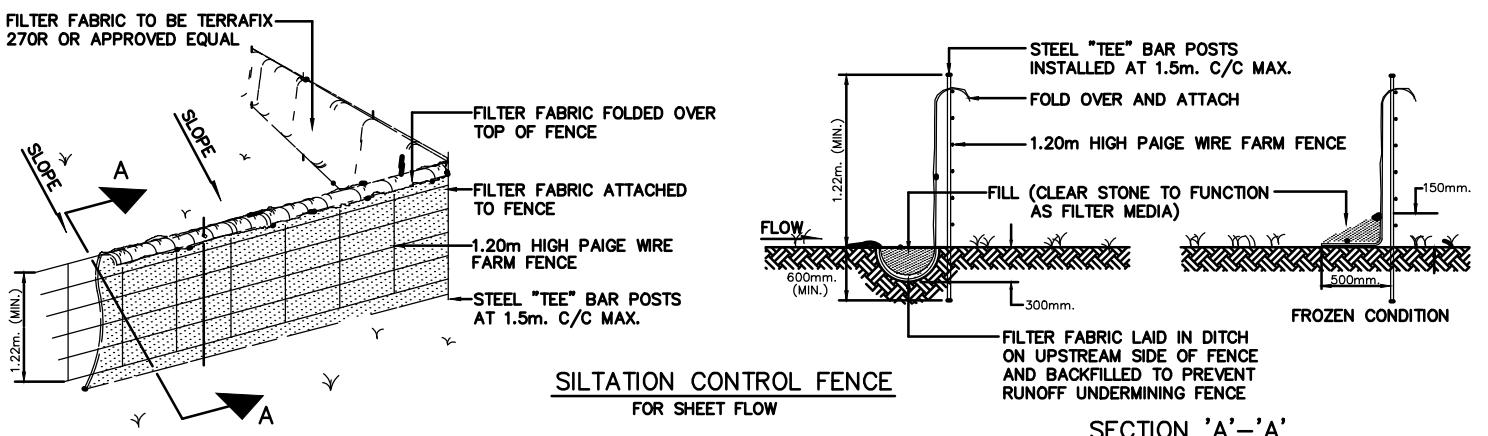
Reviewer: cfoster
Date: 2025-02-18
Scope of Review: detached dwelling



provide a min. of 0.5 m side yard setback to any stairs or landing associated with the side door



1.800.400.2255
OntarioOneCall.ca



NOTE

BOUNDARY AND TOPOGRAPHIC INFORMATION IS TAKEN FROM A SURVEYOR'S REAL PROPERTY REPORT WITH TOPOGRAPHY PREPARED BY LLOYD & PURCELL LTD., DATED JANUARY 3, 2017.

BENCH MARK

ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE REFERRED TO THE GEODETIC SURVEY OF CANADA BENCHMARK N° 848149 HAVING A PUBLISHED ELEVATION OF 283.462 METRES.

Buildings Standards Branch
BCIN #: 16487

These plans have been reviewed for use with the corrections as noted. No other changes may be made without written approval of the Building Standards Branch. All work must comply with the Ontario Building Code, as amended. These approved documents must be kept on site at all times. The building permit must be clearly posted on site at all times.

Discipline	Reviewer	BCIN	Date
OBC	MK	125229	5/13/2025

SURVEYOR'S CERTIFICATE

I HAVE REVIEWED THE PLANS FOR THE CONSTRUCTION OF PROPOSED **1 STOREY DWELLING** LOCATED AT **86 RIVER DRIVE** AND HAVE PREPARED THIS PLAN TO INDICATE THE COMPATIBILITY OF THE PROPOSED TO EXISTING ADJACENT PROPERTIES AND MUNICIPAL SERVICES. IT IS MY BELIEF THAT ADHERENCE TO THE PROPOSED GRADES AS SHOWN WILL PRODUCE ADEQUATE SURFACE DRAINAGE AND PROPER FACILITY OF THE MUNICIPAL SERVICES WITHOUT ANY DETRIMENTAL EFFECT TO THE EXISTING DRAINAGE PATTERNS OR ADJACENT PROPERTIES.

DATE
JANSKY T C LAU
ONTARIO LAND SURVEYOR

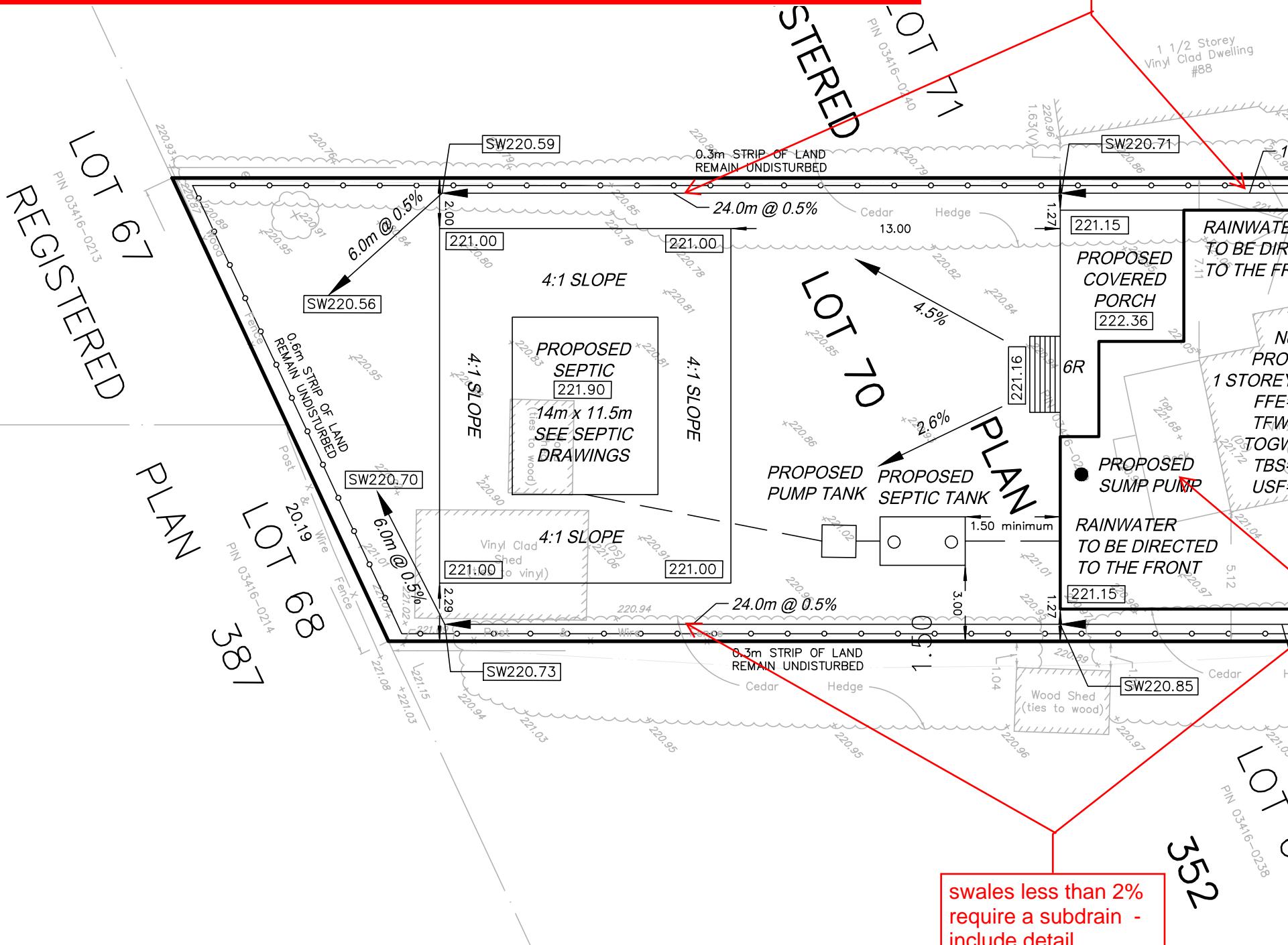
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Delph & Jenkins North Ltd.
Ontario Land Surveyors
220 Industrial Parkway S., Unit 6, Aurora, Ontario L4G 3V6
www.djsurveyors.com
Tel: 905-841-8526

24205-1A

DRAWN: IL CHECKED: IL

- Contractor is responsible to inspect and maintain all ESC measures before and after all storm events (wind, rain, snow, etc.).
- Contractor is responsible to ensure all excavations on the property are properly shored and will not negatively affect neighboring properties.
- Any increased drainage runoff onto adjacent private properties requires sign off from the adjacent property owner.
- Existing drainage swales are not permitted to be blocked, diverted, and/or filled/removed without written permission from the Town.
- Existing drainage onto the subject property cannot be blocked or diverted.
- Bottom/center of swales along property lines are to be lower than existing grade at property line.
- Patios, walkways, interlocking, raised gardens, pool equipment, face of retaining walls and sheds are to be setback 0.5m from all property lines
- Property owner is responsible to mitigate damage to trees and their root systems. Any tree on a neighbouring property that may have their roots damaged, will require written permission from the owner of the tree.

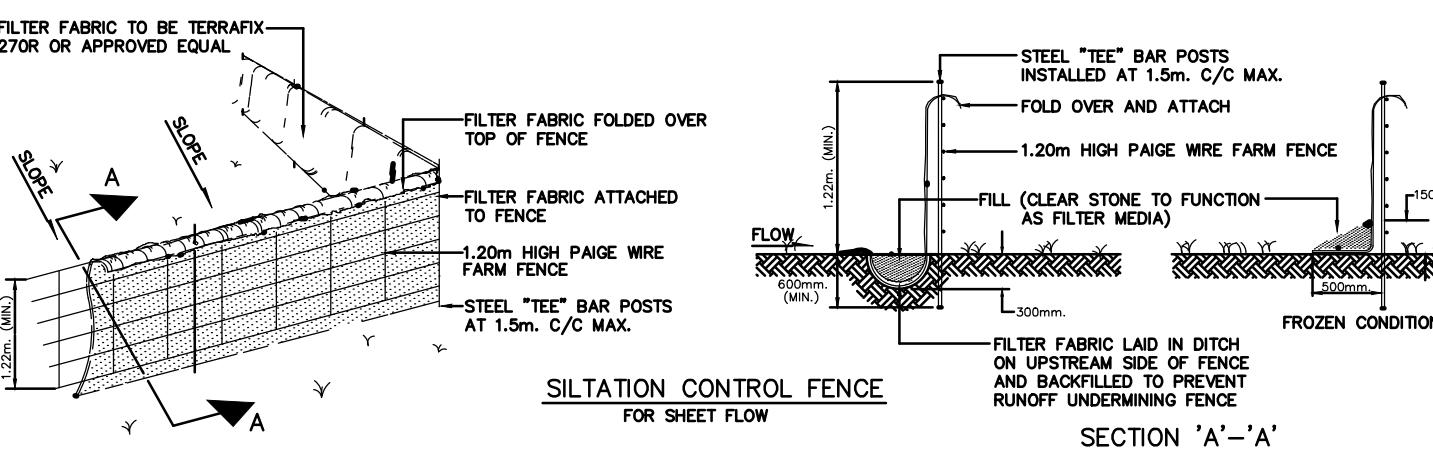


TOWN OF EAST GWILLIMBURY
ENGINEERING DEPARTMENT
REVIEWED

SUBJECT TO NO ALTERATION TO EXISTING GRADING OR DRAINAGE

Signature 

Date: May 14 2025



NOTE

BOUNDARY AND TOPOGRAPHIC INFORMATION IS TAKEN FROM A SURVEYOR'S REAL PROPERTY REPORT WITH TOPOGRAPHY PREPARED BY LLOYD & PURCELL LTD., DATED JANUARY 3, 2017.

BENCH MARK

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KEY MAP (NOT TO SCALE)

GRADING PLAN OF 86 RIVER DRIVE

LOT 70, REGISTERED PLAN 352

TOWN OF EAST GWILLIMBURY
REGIONAL MUNICIPALITY OF YORK

SCALE 1 : 200

LEGEND

HP	DENOTES HIGH POINT
SW	DENOTES SWALE
226.xx	DENOTES EXISTING ELEVATION
226.xx	DENOTES PROPOSED ELEVATION
R	DENOTES RISER
FFE	DENOTES FINISHED FLOOR ELEVATION
TFW	DENOTES TOP OF FOUNDATION WALL
TBS	DENOTES TOP OF BASEMENT SLAB
TOGW	DENOTES TOP OF GARAGE WALL
USF	DENOTES UNDERSIDE OF LOWER FOOTING
—	DENOTES SILTATION CONTROL FENCE
●	DENOTES RAIN WATER LEADER
→	DENOTES SWALE DIRECTION

GENERAL NOTES (TOWN OF EAST GWILLIMBURY)

1. ALL DOWNSPOUTS FROM THE EAVESTROUGH TO DISCHARGE ONTO CONCRETE SPLASH PADS WITH FLOWS DIRECTED AWAY FROM DWELLING AND TOWARDS THE ROADSIDE DITCH AND REAR YARD AREA.
2. MAINTAIN EXISTING GRADES IN AREA AROUND TREES TO BE PRESERVED.
3. ALL SURPLUS EXCAVATED MATERIAL TO BE REMOVED FROM THE SITE.
4. CONTRACTOR TO MATCH EXISTING GRADES ALONG PROPERTY LINES.
5. ALL DISTURBED AREAS WITHIN EXISTING ROAD ALLOWANCE TO BE REINSTATED WITH TOPSOIL AND SODDING TO THE SATISFACTION OF THE TOWN OF EAST GWILLIMBURY.
6. THE CONTRACTOR IS TO CHECK AND VERIFY ALL DIMENSIONS. IF ANY DISCREPANCIES, THEY MUST BE REPORTED TO THE ENGINEER IMMEDIATELY PRIOR TO CONSTRUCTION.
7. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES DURING CONSTRUCTION. GAS, HYDRO, TELEPHONE OR ANY OTHER UTILITIES THAT MAY EXIST ON THE SITE OR WITHIN THE ROAD ALLOWANCE MUST BE LOCATED BY ITS OWN UTILITIES AND VERIFIED PRIOR TO CONSTRUCTION.
8. BUILDER IS TO VERIFY TO THE ENGINEER THAT THE FINAL FOOTING ELEVATION AND TOP OF FOUNDATION WALL ELEVATION ARE IN CONFORMITY WITH THE BUILDING CODE AND THE CERTIFIED GRADING PLAN PRIOR TO PROCEEDING.
9. OUTSIDE FINISHED GRADE TO BE A MINIMUM OF 150mm BELOW BRICK/STONE VENEER ELEVATION.
10. PRIOR TO ANY SODDING, THE BUILDER IS TO ENSURE TO THE SOIL CONSULTANT AND/OR THE ENGINEER THAT THE LOT HAS BEEN GRADED, TOPSOILED AND SODDED COMPLETELY WITH A MINIMUM DEPTH OF 100mm OF TOPSOIL AND NO. 1 NURSERY SOD.
11. NO SODDING ON ANY LOT IS PERMITTED UNTIL PRELIMINARY INSPECTION IS DONE BY THE ENGINEER AND THE BUILDER.
12. DRIVEWAY GRADES SHOULD NOT BE LESS THAN 1.5% AND NOT GREATER THAN 6.0%.
13. LAWN AND SWALES SHALL HAVE MINIMUM SLOPE OF 1.0% AND A MAXIMUM SLOPE OF 5.0%.
14. WHERE GRADES IN EXCESS OF 5.0% ARE REQUIRED, THE MAXIMUM SLOPE SHALL BE 3:1.
15. SEDIMENT CONTROL FENCING AND TREE PROTECTIVE HOARDING TO BE INSTALLED AS PER THE TOWN OF EAST GWILLIMBURY STANDARDS.
16. ALL DAMAGED AND DISTURBED AREAS TO BE REINSTATED WITH TOPSOIL AND SOD.

SURVEYOR'S CERTIFICATE

"I HAVE REVIEWED THE PLANS FOR THE CONSTRUCTION OF PROPOSED 1 STOREY DWELLING LOCATED AT 86 RIVER DRIVE AND HAVE PREPARED THIS PLAN TO INDICATE THE COMPATIBILITY OF THE PROPOSED TO EXISTING ADJACENT PROPERTIES AND MUNICIPAL SERVICES. IT IS MY BELIEF THAT ADHERENCE TO THE PROPOSED GRADES AS SHOWN WILL PRODUCE ADEQUATE SURFACE DRAINAGE AND PROPER FACILITY OF THE MUNICIPAL SERVICES WITHOUT ANY DETRIMENTAL EFFECT TO THE EXISTING DRAINAGE PATTERNS OR ADJACENT PROPERTIES."

DATE

JANSKY T C LAU
ONTARIO LAND SURVEYOR

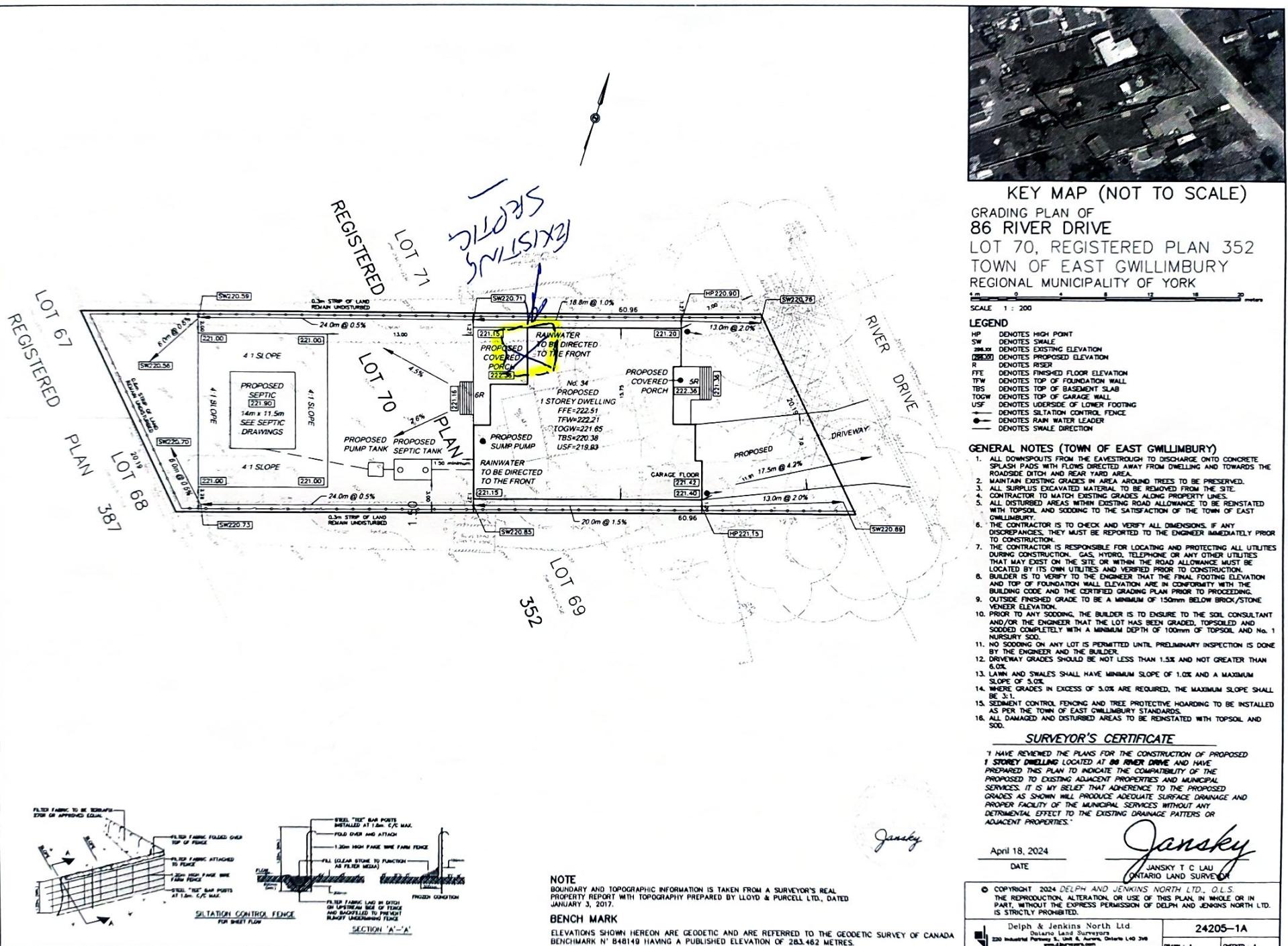
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www.djsurveyors.com
Tel: 905-841-8526

24205-1A

DRAWN : JL CHECKED : JL

PROPOSED



KEY MAP (NOT TO SCALE)

GRADING PLAN OF
86 RIVER DRIVE

LOT 70, REGISTERED PLAN 352
TOWN OF EAST GWILLIMBURY
REGIONAL MUNICIPALITY OF YORK

A horizontal scale bar with numerical markings at 0, 4, 8, 12, 16, and 20. The word 'metres' is written at the end of the bar. Below the scale bar, the text 'SCALE 1 : 200' is printed.

LEADER

LEGEND

HP	DENOTES HIGH POINT
SW	DENOTES SWALE
 SLR	DEMOTES EXISTING ELEVATION
 PLR	DEMOTES PROPOSED ELEVATION
R	DENOTES RISER
FFE	DENOTES FINISHED FLOOR ELEVATION
TFW	DENOTES TOP OF FOUNDATION WALL
TBS	DENOTES TOP OF BASEMENT SLAB
 TGW	DENOTES TOP OF GARAGE WALL
 USF	DENOTES UPSIDE OF LOWER FOOTING
 LSF	DENOTES LOWER SIDE OF CONCRETE FENCE
 WL	DENOTES RAIN WATER LEADER
 SFD	DENOTES SWIMMING FLOOR DIRECTION

GENERAL NOTES (TOWN OF EAST GWILLIMBURY)

1. ALL DOWNSPOUTS FROM THE EAVESTROUGH TO DISCHARGE ONTO CONCRETE SPLASH PADS WITH FLOWS DIRECTED AWAY FROM DWELLING AND TOWARDS THE ROADSIDE DITCH AND REAR YARD AREA.
2. MAINTAIN EXISTING GRADES AND AREA AROUND TREES TO BE PRESERVED.
3. ALL SURFACE EROSION MATERIALS MUST BE REMOVED FROM THE SITE.
4. CONTRACTOR TO WATCH EXISTING GRADES ALONG PROPERTY LINES.
5. ALL DISTURBED AREAS WITHIN EXISTING ROAD ALLOWANCE TO BE REINSTATED WITH TOPSOIL AND SODDING TO THE SATISFACTION OF THE TOWN OF EAST CUMBERLAND.
6. THE CONTRACTOR IS TO CHECK AND VERIFY ALL DIMENSIONS, IF ANY DISCREPANCIES, THEY MUST BE REPORTED TO THE ENGINEER IMMEDIATELY PRIOR TO CONSTRUCTION.
7. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES DURING CONSTRUCTION. GAS, HYDRO, TELEPHONE, AND OTHER UTILITIES THAT MAY EXIST IN THE AREA. THE ROAD ALLOWANCE MUST NOT BE LOCATED BY ITS OWN UTILITIES AND VERIFIED PRIOR TO CONSTRUCTION.
8. BUILDER IS TO VERIFY TO THE ENGINEER THAT THE FINAL FOOTING ELEVATION AND TOP OF FOUNDATION WALL ELEVATION ARE IN CONFORMITY WITH THE BUILDING CODE AND THE CERTIFIED GRADING PLAN PRIOR TO PROCEEDING.
9. OUTLET DRAINS ARE TO BE A MINIMUM OF 150mm BELOW BRICK/STONE VENEER ELEVATION.
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11. NO SODDING ON ANY LOT IS PERMITTED UNTIL PRELIMINARY INSPECTION IS DONE BY THE ENGINEER AND THE BUILDER.
12. DRIVEWAY GRADES SHOULD NOT BE LESS THAN 1.5% AND NOT GREATER THAN 6.0%.
13. DRIVE AND STRALES SHALL HAVE MINIMUM SLOPE OF 1.0% AND A MAXIMUM SLOPE OF 10%.
14. WHERE GRADES IN EXCESS OF 3.0% ARE REQUIRED, THE MAXIMUM SLOPE SHALL BE 3.1%.
15. SEDIMENT CONTROL FENCING AND TREE PROTECTIVE HOARDING TO BE INSTALLED AS PER THE TOWN OF EAST CUMBERLAND STANDARDS.
16. ALL DAMAGED AND DISTURBED AREAS TO BE REINSTATED WITH TOPSOIL AND SOD.

SURVEYOR'S CERTIFICATE

I HAVE REVIEWED THE PLANS FOR THE CONSTRUCTION OF PROPOSED 1 STOREY DWELLING LOCATED AT 88 RIVER DRIVE AND HAVE PREPARED THIS PLAN TO INDICATE THE COMPATIBILITY OF THE PROPOSED TO EXISTING ADJACENT PROPERTIES AND MUNICIPAL SERVICES. IT IS MY BELIEF THAT ADHERENCE TO THE PROPOSED GRADES AND SLOPES WILL PRODUCE ADEQUATE SURFACE DRAINAGE AND FLOOD PROTECTION FOR THE MUNICIPAL SERVICES WITHOUT ANY DEDIMENTRAL EFFECT TO THE EXISTING SERVICE PATTERNS OR ADJACENT PROPERTIES.

April 18, 2024

20

SERVICES WITHOUT ANY
NG DRAINAGE PATTERNS OR
Jansky
JANSKY T C LAU
ONTARIO LAND SURVEYOR

JANSKY T C LAU
ONTARIO LAND SURVEYOR

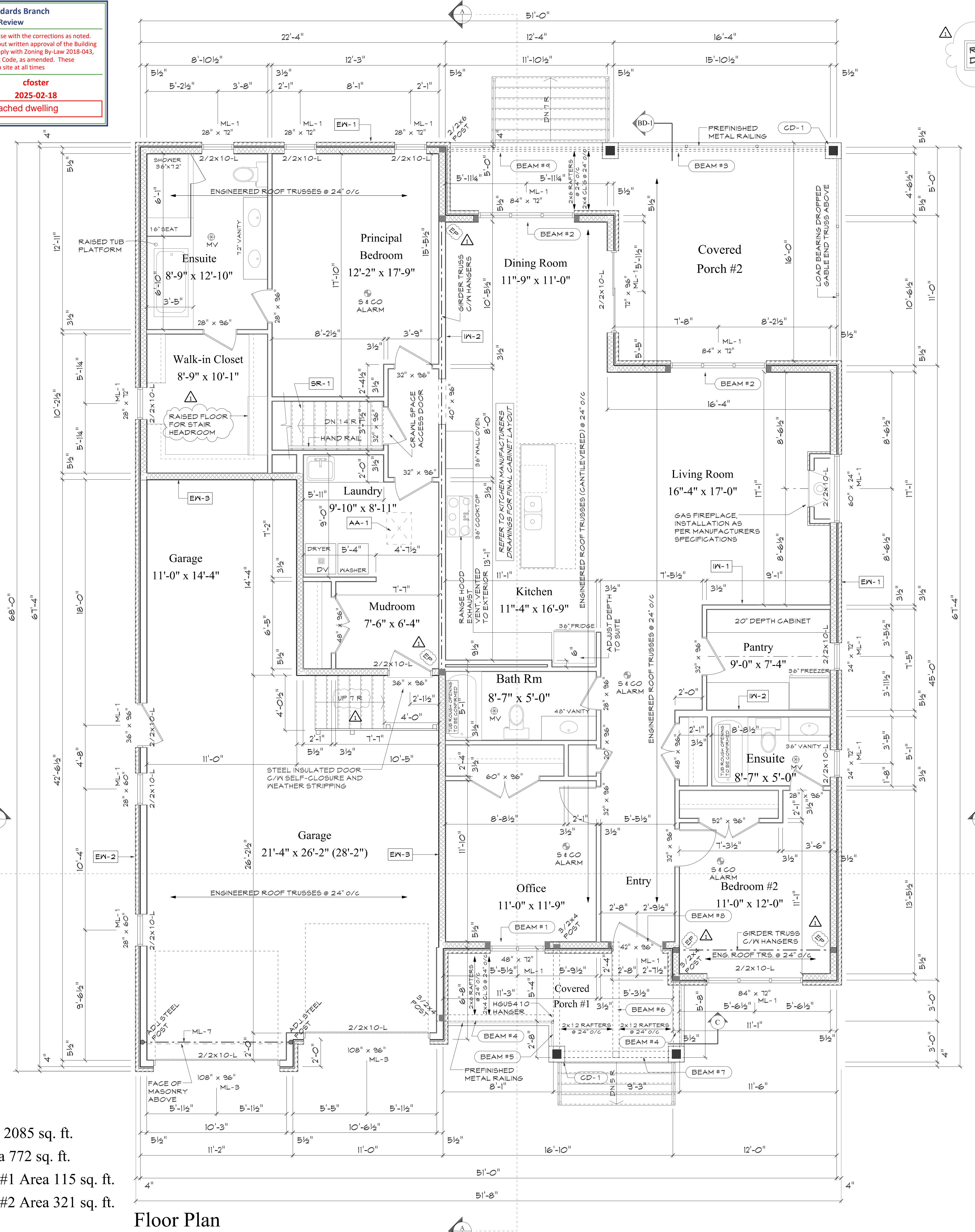
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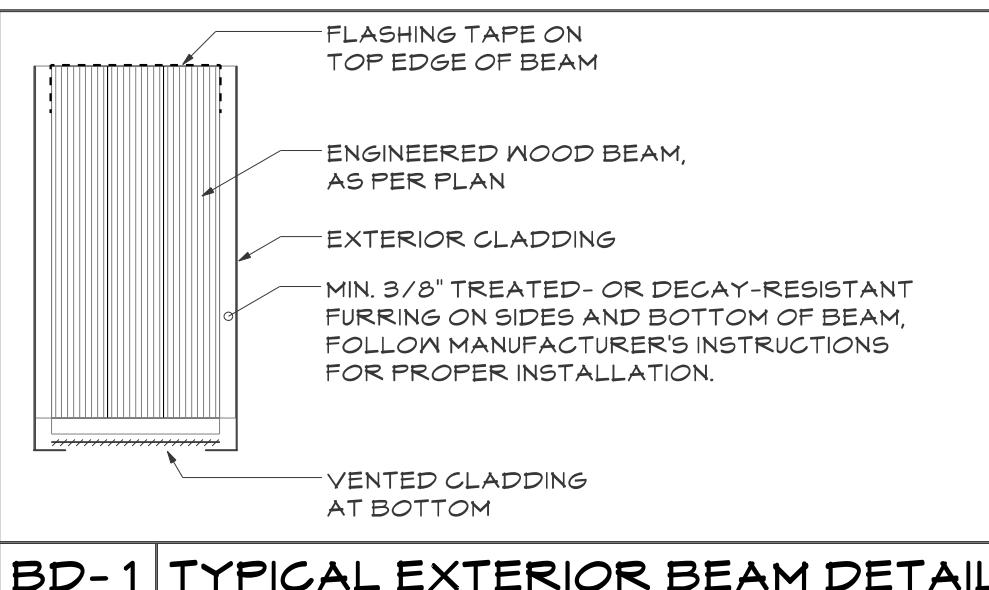
24205-1A

— 1 —

ACAD. ELS-24305-1A.DWG. DATE: March 19, 2024



REFER TO "APEKS" STRUCTURAL DRAWINGS DRAWING NO. 25-059



BD-1 TYPICAL EXTERIOR BEAM DETAIL

EXTERIOR AND INTERIOR WALL NOTES

EW-1 EXTERIOR WALL #1
REFER TO ELEVATIONS FOR FINISH BRICK/STONE VENEER, AS PER 4.20.6.4. O.B.C. C/N TIES, AS PER 4.20.4.5. O.B.C. CONTROL OF RAIN WATER PENETRATION AS PER 4.20.13. O.B.C.
1" AIR SPACE
HOUSEWRAP AIR BARRIER
7/16" OSB WALL SHEATHING
2x6 STUDS @ 16" O/C C/N DOUBLE TOP PLATE & SINGLE BOTTOM PLATE
R22 INSULATION
6 mil U/V PROTECTED POLY VAPOUR BARRIER
1/2" GYPSUM BOARD

EW-2 EXTERIOR WALL #2
REFER TO ELEVATIONS FOR FINISH BRICK/STONE VENEER, AS PER 4.20.6.4. O.B.C. C/N TIES, AS PER 4.20.4.5. O.B.C. CONTROL OF RAIN WATER PENETRATION AS PER 4.20.13. O.B.C.
1" AIR SPACE
HOUSEWRAP AIR BARRIER
7/16" OSB WALL SHEATHING
2x6 STUDS @ 16" O/C C/N DOUBLE TOP PLATE & SINGLE BOTTOM PLATE
BUTTOM PLATE C/N GASKET SEAL AND 1/2" dia. x 5" LONG ANCHOR BOLTS @ 6" O/C, EMBEDDED MIN. 4" INTO MASONRY OR CONCRETE, SEE "AB-1"

EW-3 EXTERIOR WALL #3
1/2" GYPSUM BOARD
ALL JOINTS TAPE & SEALED
CAULK WHERE REQUIRED TO PROVIDE AN AIR TIGHT SEAL
2x6 STUDS @ 16" O/C
R22 INSULATION
6 mil POLY VAPOUR BARRIER
1/2" GYPSUM BOARD

IP-1 INTERIOR PARTITION #1
2x4 STUDS @ 16" O/C C/N DOUBLE TOP PLATE & SINGLE BOTTOM PLATE
1/2" GYPSUM BOARD ON BOTH SIDES

IP-2 INTERIOR PARTITION #2
2x6 STUDS @ 16" O/C C/N DOUBLE TOP PLATE & SINGLE BOTTOM PLATE
1/2" GYPSUM BOARD ON BOTH SIDES

SR-1 STAIRS & RAILINGS
ALL STAIRS AND RAILINGS ARE MANUFACTURED AND SHALL CONFORM TO SECTION 4.8 OF O.B.C. STAIRS TO BE DETERMINED ON SITE.
7 1/8" MAXIMUM RISE, 10" RUN, 11" TREAD 1" NOISING AND PROVIDE MINIMUM 6" T HEADROOM.
(NOT REQUIRED FOR CRAWL SPACE ACCESS)

AA-1 ATTIC ACCESS #1
MINIMUM 22" X 28" INSULATED (MIN. R20)
ATTIC ACCESS C/W WEATHER STRIPPING AND LATCH CLOSURE

Beam Schedule, refer to suppliers layout

BEAM NOTATION	BEAM DESCRIPTION SEE BEAM REPORTS FOR BEARING REQUIREMENTS	NOTES
BEAM #1	2 FPLY 1 3/4" x 9 1/2" Nordic Lam 24F-1.9E	
BEAM #2	2 FPLY 1 3/4" x 11 7/8" Nordic Lam 24F-1.9E	
BEAM #3	3 FPLY 1 3/4" x 14" Nordic Lam 24F-1.9E	
BEAM #4	2 FPLY 1 3/4" x 11 7/8" Nordic Lam 24F-1.9E	
BEAM #5	2 FPLY 1 3/4" x 11 7/8" Nordic Lam 24F-1.9E	
BEAM #6	3 FPLY 2x10 SPF #2 OR BETTER	3" END BEARING
BEAM #7	2 FPLY 1 3/4" x 11 7/8" Nordic Lam 24F-1.9E	
BEAM #8	2 FPLY 1 3/4" x 9 1/2" Nordic Lam 24F-1.9E	
BEAM #9	2 FPLY 1 3/4" x 14" Nordic Lam 24F-1.9E	

ENERGY EFFICIENCY DESIGN SUMMARY

COMPLIANCE OPTION	SB-1-2 PRESCRIPTIVE	TABLE:	PACKAGE:
	[SB-1-2-3.1.1.2]	3.1.1.2.A	A1
PROJECT DESIGN CONDITIONS	CLIMATE ZONE	HEATING EQUIPMENT EFFICIENCY:	SPACE HEATING FUEL SOURCE:

BUILDING COMPONENT	BUILDING COMPONENT		
THERMAL INSULATION	RSI / R VALUES REQUIRED	WINDOWS & DOORS (1)	EFFICIENCY RATINGS REQ'D
CEILING WITH ATTIC SPACE	R60	WINDOWS / SLIDING GLASS DOORS	U-Value 0.25
CEILING WITHOUT ATTIC SPACE	R31	SKYLIGHTS	U-Value 0.44
EXPOSED FLOOR	R31		
WALLS ABOVE GRADE	R22	MECHANICALS	
BASEMENT WALLS	10 GI + R12	SPACE HEATING EQUIPMENT (2)	96%
SLAB	-	HRV EFFICIENCY (%)	75%
- greater than 600mm below grade		DHW HEATER (EF)	0.80
SLAB	R10	NOTES	
- edge only less than 600mm below grade			
SLAB	R10	(1) PROVIDE U-VALUE IN W/m²K OR R-RATING	
- all less than 600mm below grade, or heated		(2) PROVIDE AFUE OR INDICATE IF CONDENSING TYPE COMBINED SYSTEM USED	



Scott Dryla
8 Doon Crescent
Keswick, Ontario, L4P 3P8
Phone: 905.252.8417
Email: masterplan@rogers.com

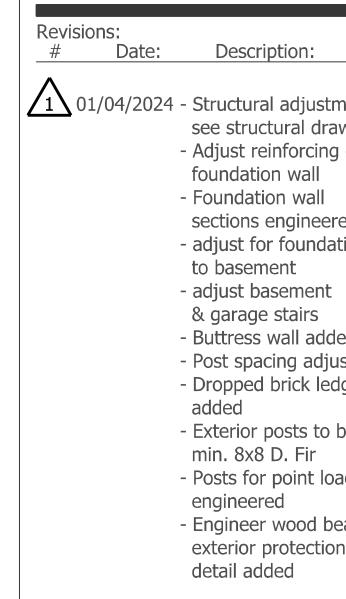
The undersigned has reviewed and taken the qualifications necessary for this design, and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer.

QUALIFICATION INFORMATION
Required unless design is exempt under 2.17.5.1 of the building code

Scott Dryla
NAME: *Scott Dryla*
BCIN: *21141*

SIGNATURE
REGISTRATION INFORMATION
Required unless design is exempt under 2.17.4.1 of the building code

Master-Plan 30578
FIRM NAME: *Master-Plan*
Builder: *BCIN*



Note:
Note: It is the responsibility of the designer to verify all dimensions and conditions on the project and report any discrepancies to Master-Plan before proceeding with work.
Drawings are not to be used.

Drawings and specifications remain the property of Master-Plan and may not be used without the express written permission. The contractor accepts responsibility for any changes to drawings without the expressed approval of Master-Plan.

Project North:



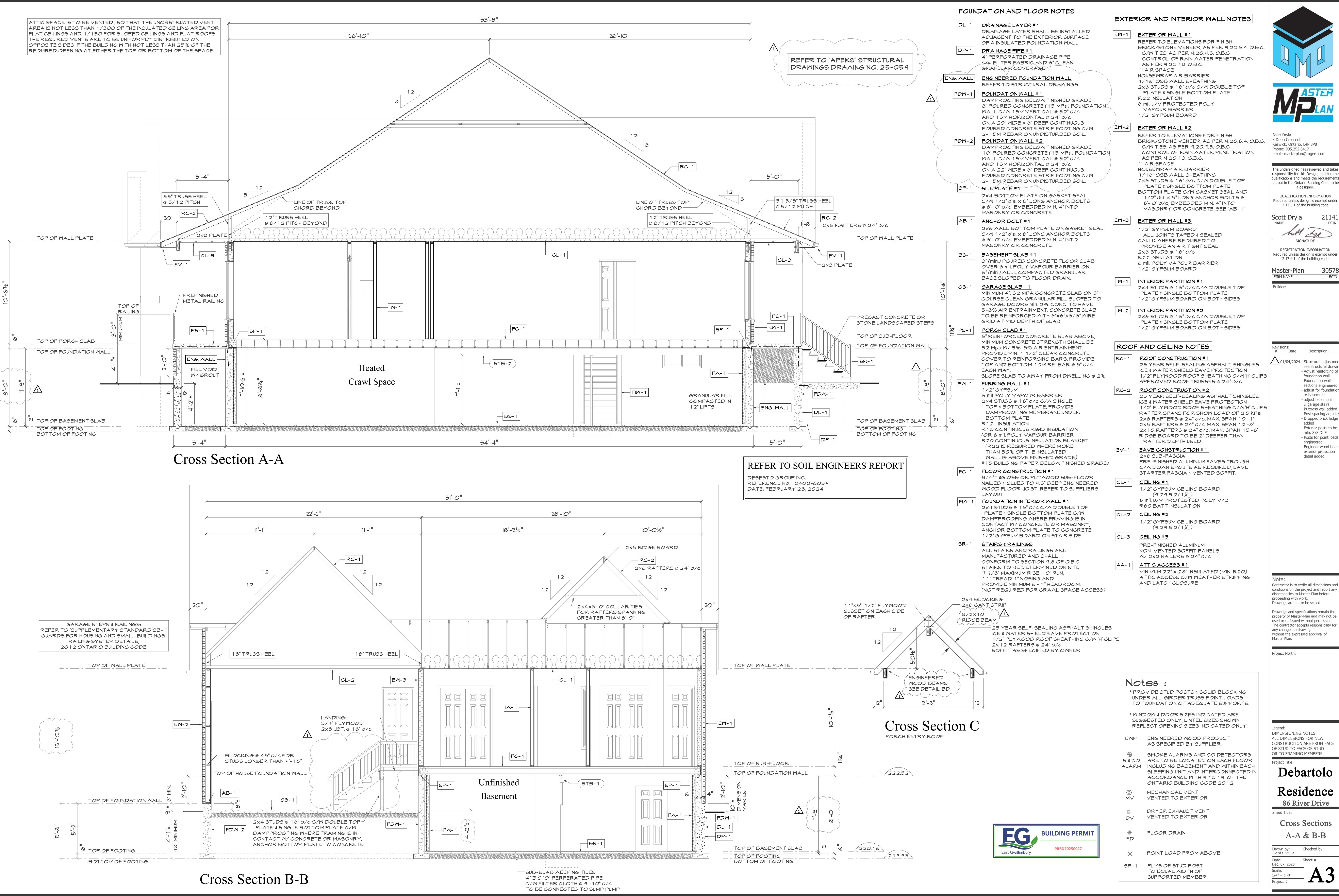
Column Detail #1

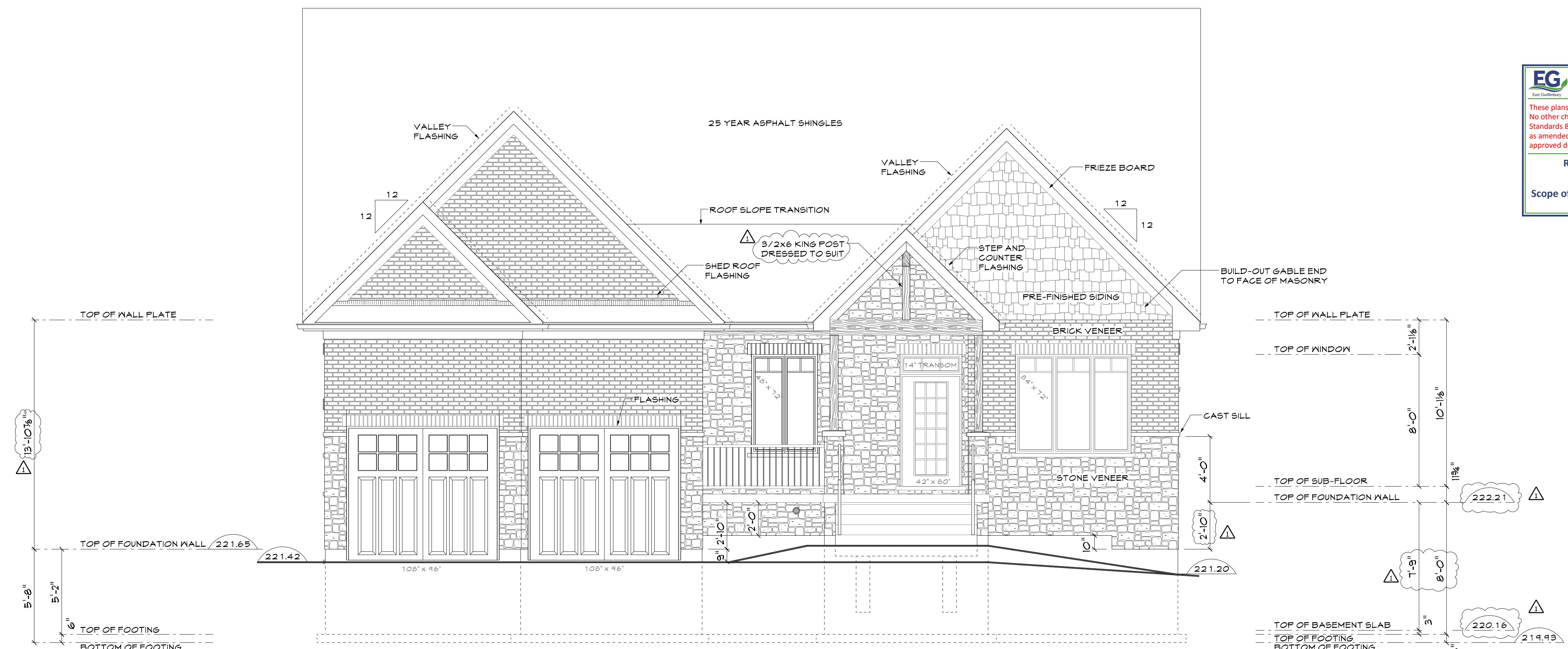
Legend:
DIMENSIONING NOTES:
ALL DIMENSIONS FOR NEW CONSTRUCTION ARE FROM FACE OF EXISTING CONSTRUCTION OR TO FRAMING MEMBERS.
Project Title:

Debartolo Residence
86 River Drive
Sheet Title:

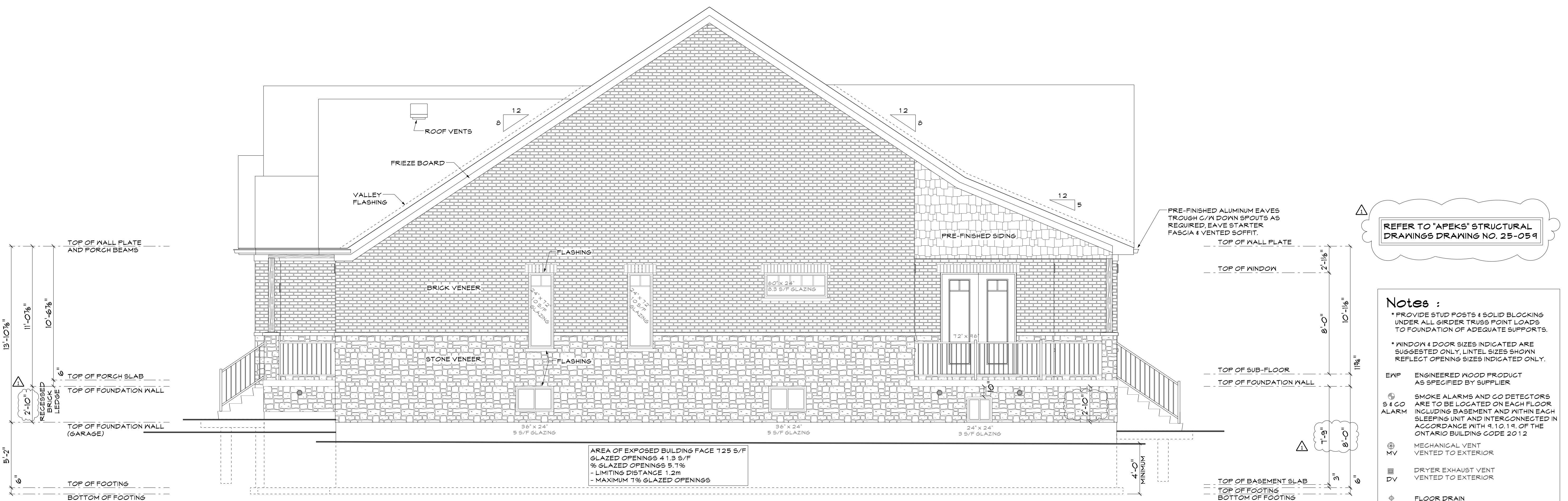
Floor Plan
Drawn by: Checked by:
Date: Dec. 07, 2023 Sheet #:
Scale: 1/4" = 1'-0" Project #:
EP: POINT LOAD FROM ABOVE
EWP: ENGINEERED POSTS, REFER TO STRUCTURAL DRAWINGS

A2

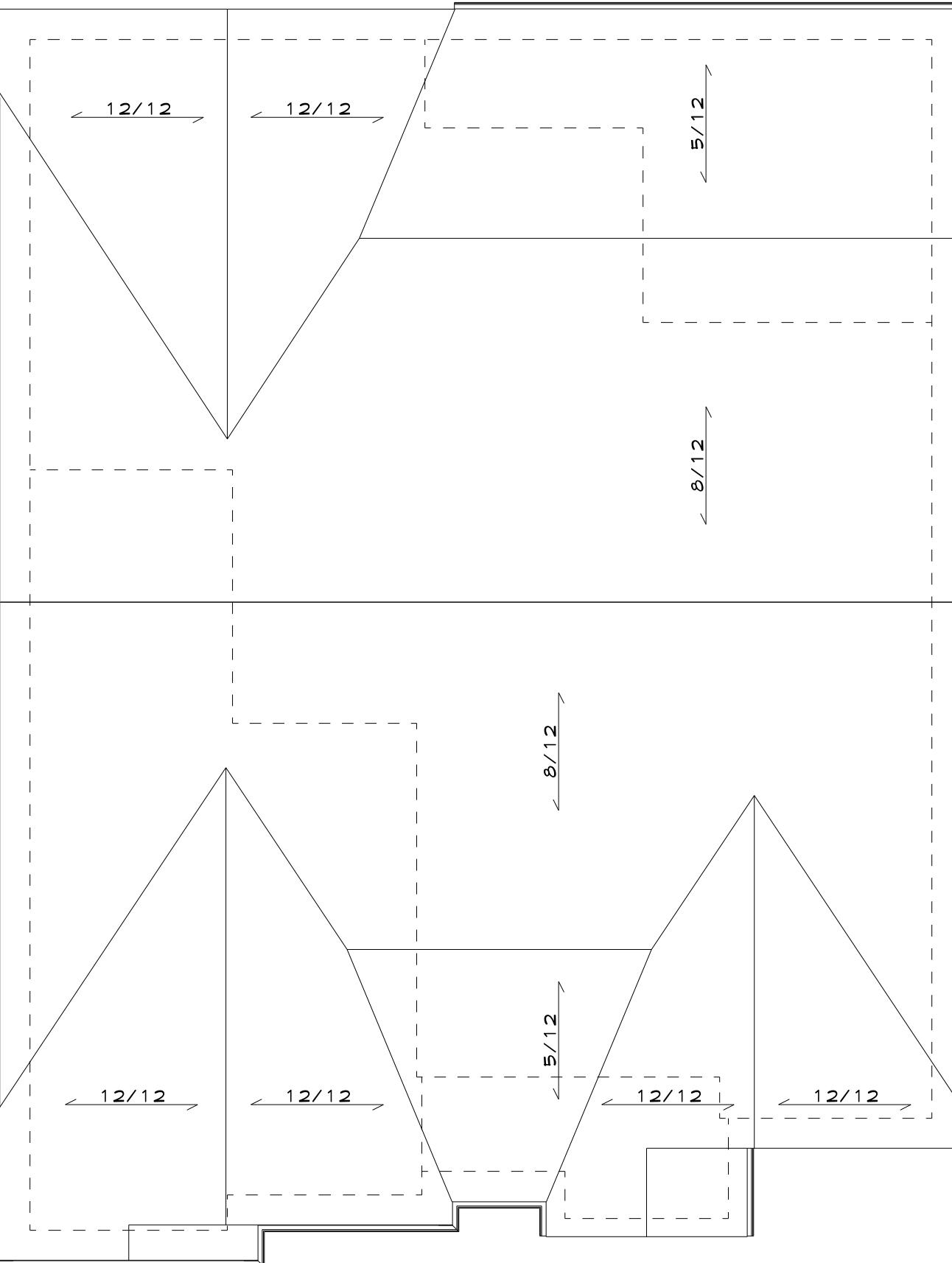




East Elevation

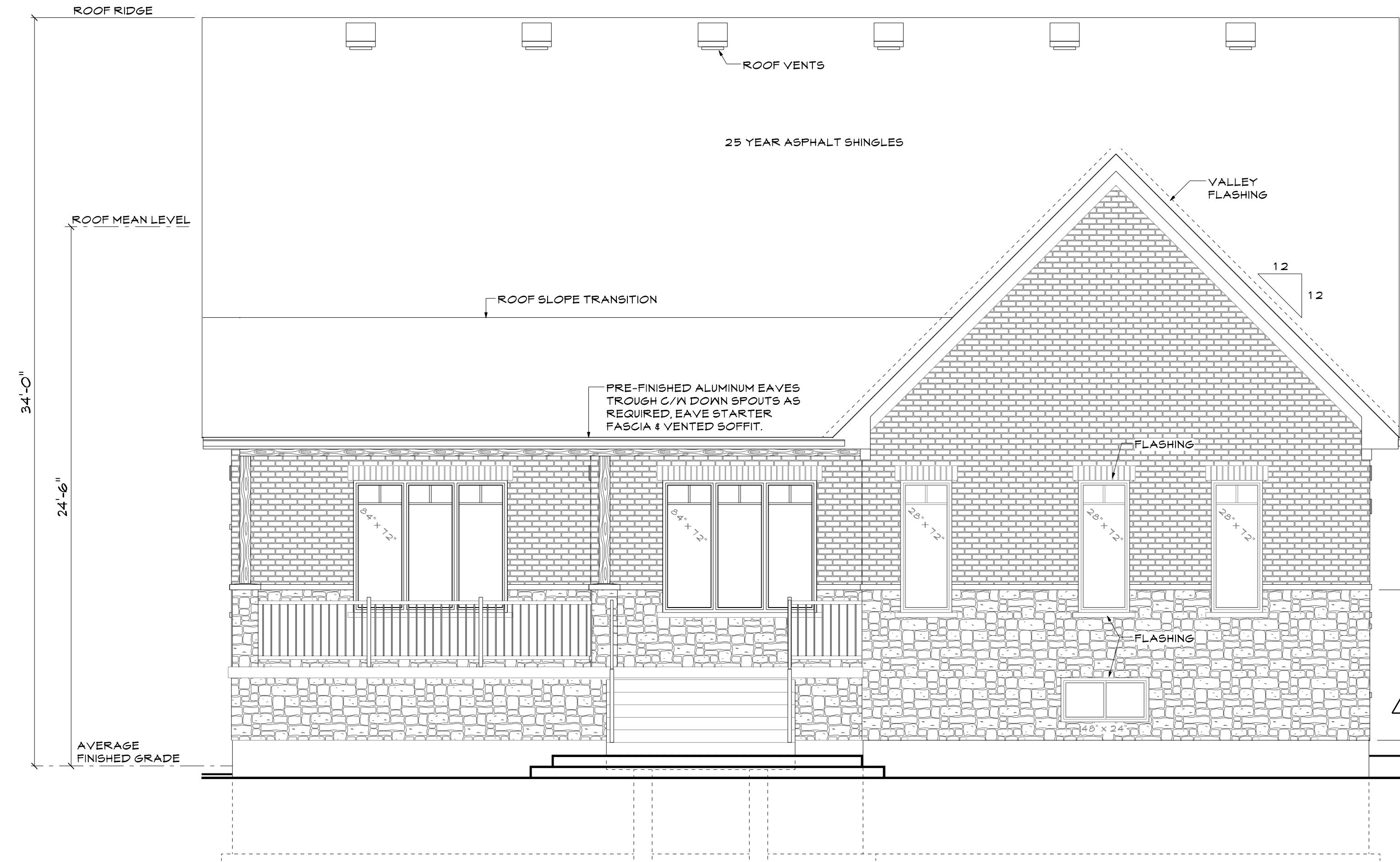


North Elevation



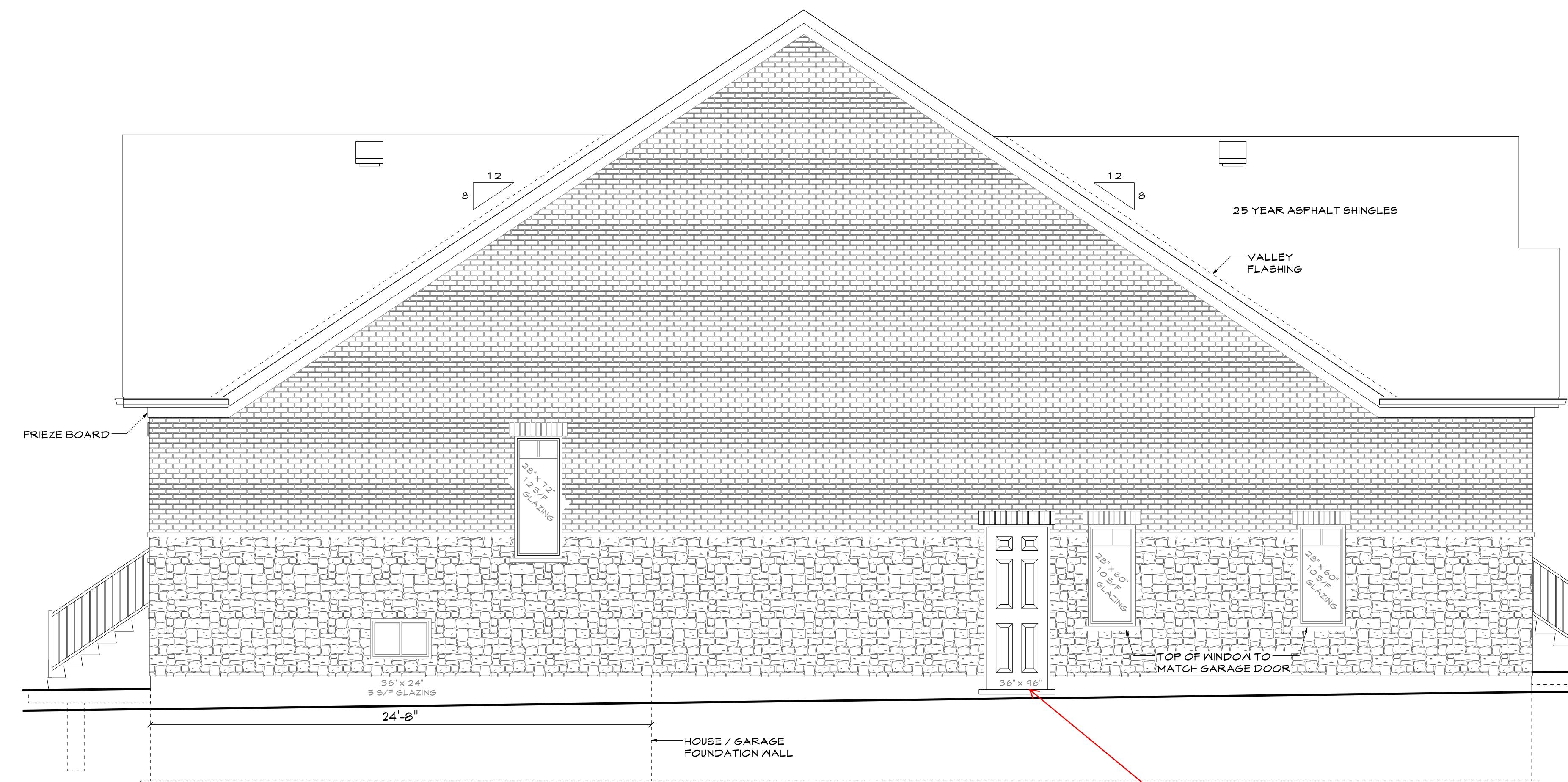
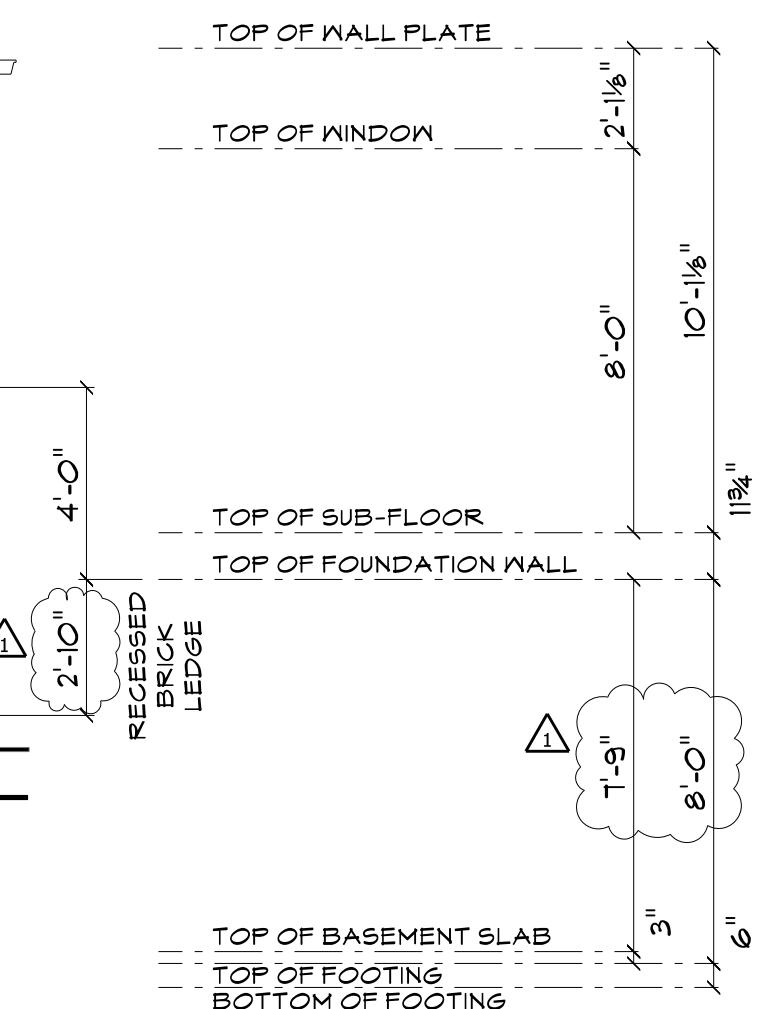
Roof Plan

Scale:
1/8" = 1'-0"



West Elevation

Scale:
1/8" = 1'-0"

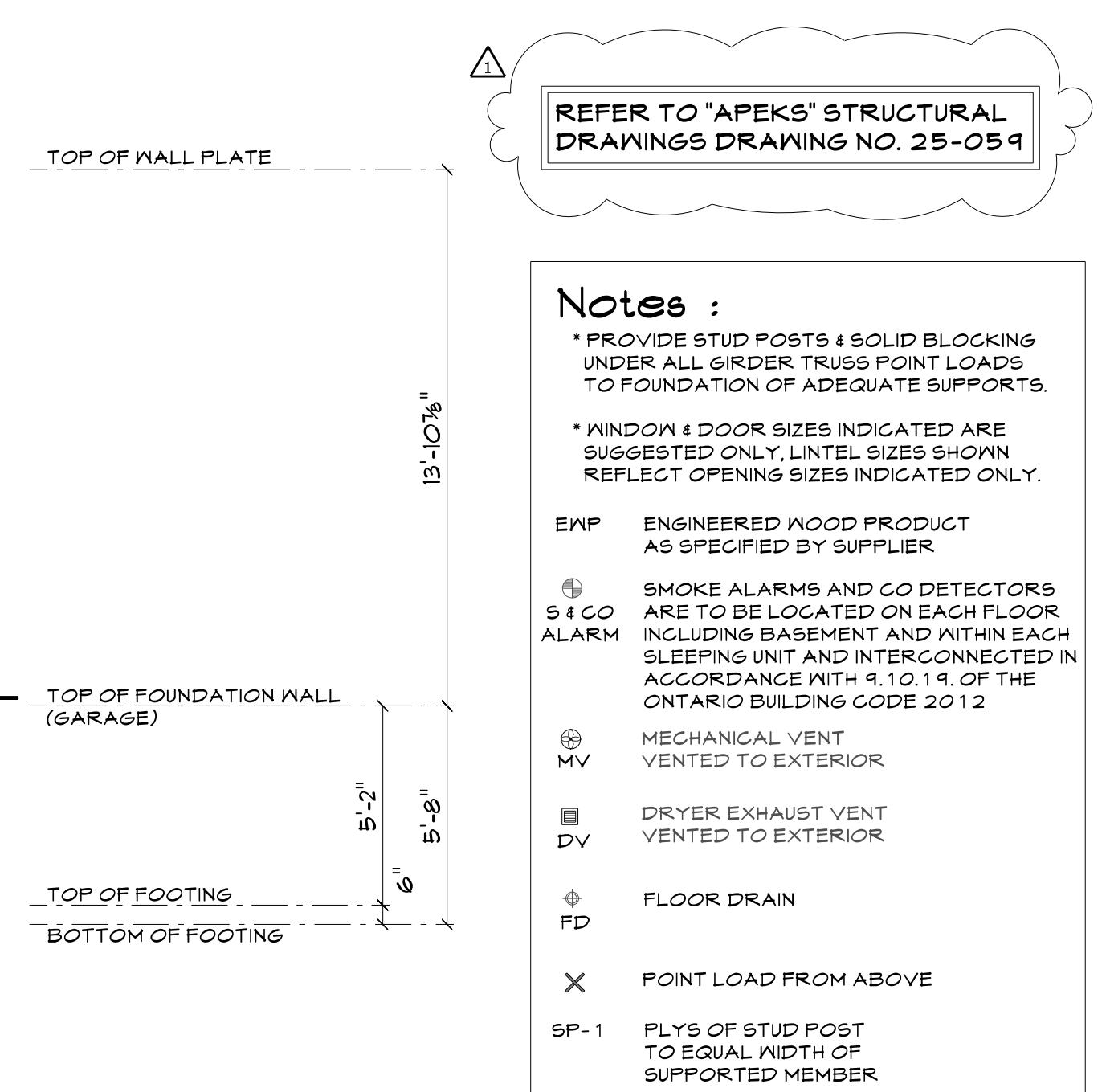
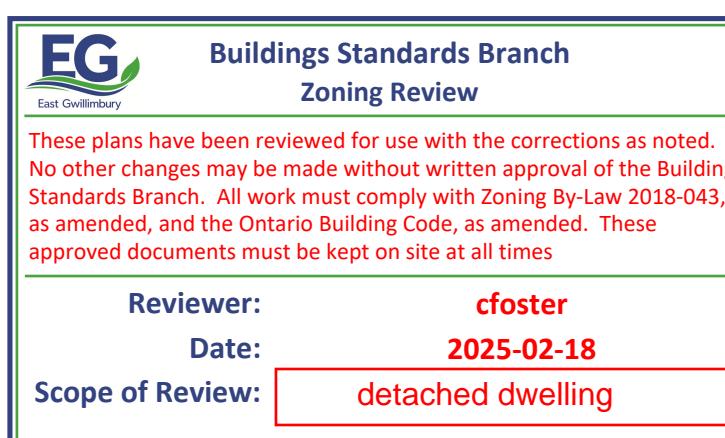


South Elevation

Scale:
1/8" = 1'-0"

AREA OF EXPOSED BUILDING FACE 998 S/F
GLAZED OPENINGS 37 S/F
% GLAZED OPENINGS 3.7%
- LIMITING DISTANCE 1.2m
- MAXIMUM 1% GLAZED OPENINGS

provide a min. of 0.5 m side
yard setback to any stairs or
landing associated with the
door



Note:
Contractor is to verify all dimensions and conditions on the project and report any discrepancies to Master-Plan before proceeding with work.
Drawings are not to scale.

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The contractor accepts responsibility for any changes to drawings without the expressed approval of Master-Plan.

Project North:

Legend:
DIMENSIONING NOTES:
ALL DIMENSIONS FOR NEW
CONSTRUCTION ARE IN EXTERIOR FACE
OF EXISTING WALL OR TO FRAMING MEMBERS.

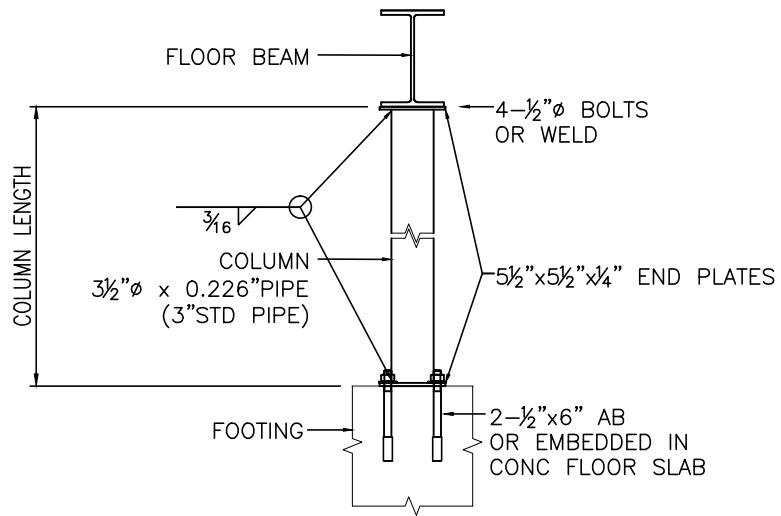
Debartolo
Residence
86 River Drive

Sheet Title:

West & South Elev.
and Roof Plan

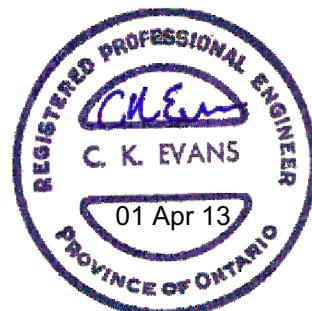
Drawn by: Checked by:
Date: Dec. 07, 2023 Sheet #:
Comments: AS NOTED
Project #:

A5



CONFIRM COLUMN LENGTH PRIOR
TO COMMENCING WORK

COLUMN FACTORED LOAD CAPACITY	
LENGTH	CAPACITY
8'	191kN - 42,940LB
9'-2"	160kN - 35,970LB
10'-6"	135kN - 30350LB



NOTE:

1. ALL WELDING TO BE FULL STRENGTH $\frac{3}{16}$ " FILLET OR BUTT WELDS TO CSA W59-M1989.
2. ALL PLATE, HSS AND W SECTIONS TO CSA G40.21 350W OR ASTM A572 GRADE 50. PIPE TO ASTM A53.
3. MEMBER SIZES ARE MINIMUM THICKNESS, ACTUAL THICKNESS MAY BE GREATER

0	Certification	© 01 Apr 13	CE
REV.	DESCRIPTION	DATE	BY
OBC STEEL COLUMN CERTIFICATION 9.17.3			
 E7 Engineering 64 YORK ST., UDORA, ONT., CANADA, L0C 1L0 tel & fax: (705)228-8412 ckevans@e7.ca			
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Contract	SCALE: NTS	DWG. NO. S-Detail	SHT. S1
			REV. 0