

Recommendation: TAW Grading and Terry Lillie Excavation that the front was of the garage should move forward 3m for safety reasons. Preliminary site plan discussed has been provided to COFA in this email package.

The screenshot shows a Gmail interface. On the left is a sidebar with navigation options: Compose, Inbox (686), Starred, Snoozed, Important, Sent, Drafts (63), Categories, Social, Updates (262), Forums, Promotions (68), and More. The main area displays an email from Todd Williams, dated Wednesday, June 14, 8:34 AM. The email content is as follows:

Todd Williams
to me, Terry

Good Morning Kim,
Please see attached the preliminary plan. in order to get the top of excavation line acceptable, I had to move the garage 1m away from the North property line (4m in total) and reduce the 9m front yard setback to 6m, moving the garage closer to the road by 3m (Need to ask for a 3m variance)

This is as close to the existing house and North property line as we can get to allow for safe excavation. This also satisfies the 5m setback from overhead wires.

If this is acceptable to you, I will finalize my plan.

Regards,
Todd

...
--
Todd Williams, CET
TAW Grading Plans
T | 613.223.5860
E | TAWgrading@gmail.com

One attachment • Scanned by Gmail

119 McConnell Lane – main house: provided to show that the garage has been designed to enhance house and community and is in line with official plan.

Stepped
foundation



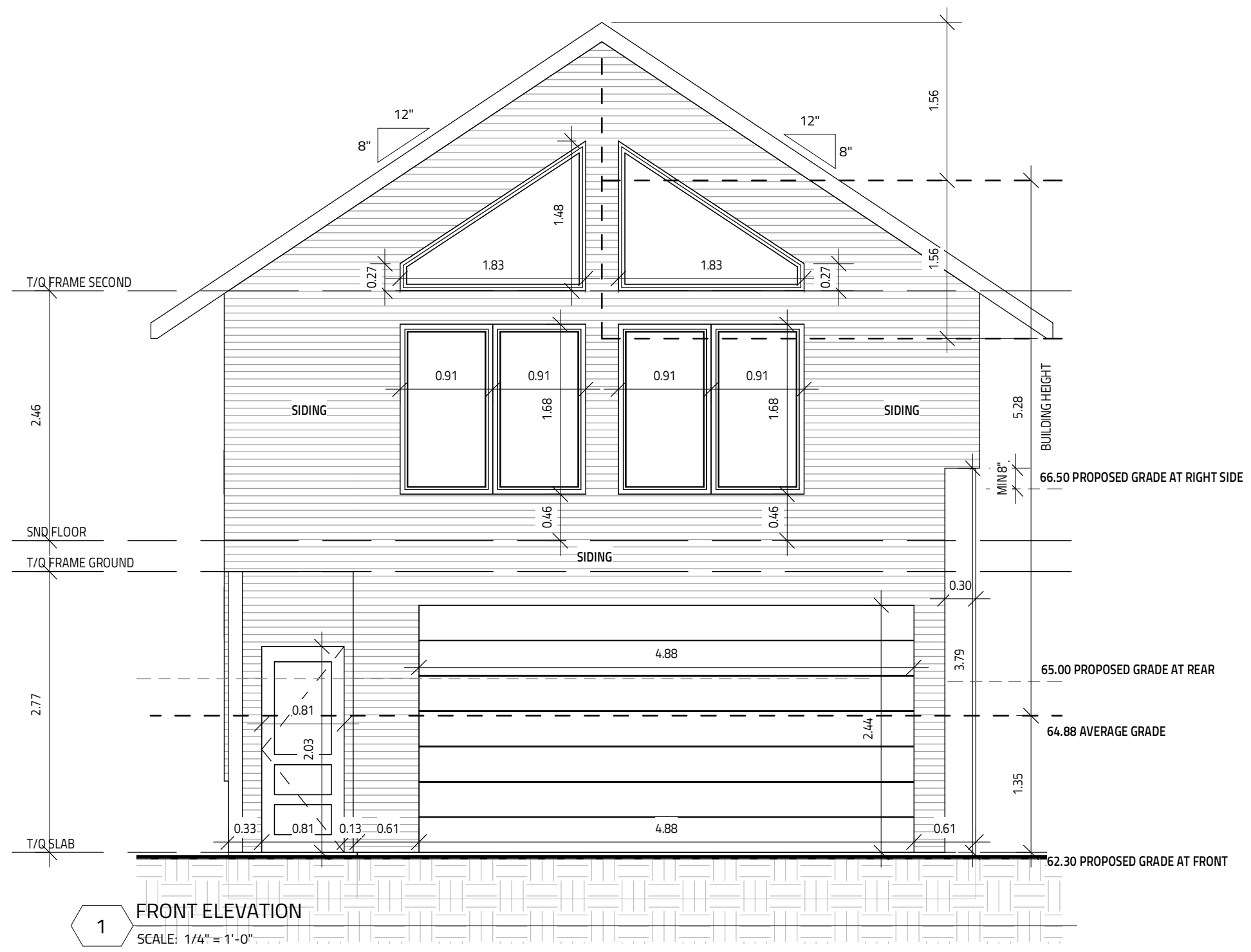
FRONT ELEVATION

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

FOR FOUNDATION WALLS
OVER 10'-0" HIGH SEE
DETAIL 4 ON PAGE 4

SEE FOUNDATION PLAN
FOR FOOTING SIZE
(PROVIDE SOIL TEST)

IT IS THE RESPONSIBILITY OF THE CONCRETE CONTRACTOR
TO ENSURE A MINIMUM OF 8" OF EXPOSED FOUNDATION AROUND
THE ENTIRE BUILDING



1 FRONT ELEVATION
SCALE: 1/4" = 1'-0"

GENERAL NOTES:
- E. & O.E.
- DO NOT SCALE DRAWINGS. FIGURED DIMENSIONS ONLY TO BE USED
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK & VERIFY ALL DIMENSIONS ON SITE & REPORT ALL DISCREPANCIES
- GENERAL CONTRACTOR TO CONSTRUCT IN ACCORDANCE W/ THE O.B.C. 2006, ANY MUNICIPAL BY LAWS & ALL OTHER APPLICABLE CODES

NO.	REVISION	DATE

MODEL:
119 MCCONNELL LANE

DETACHED GARAGE

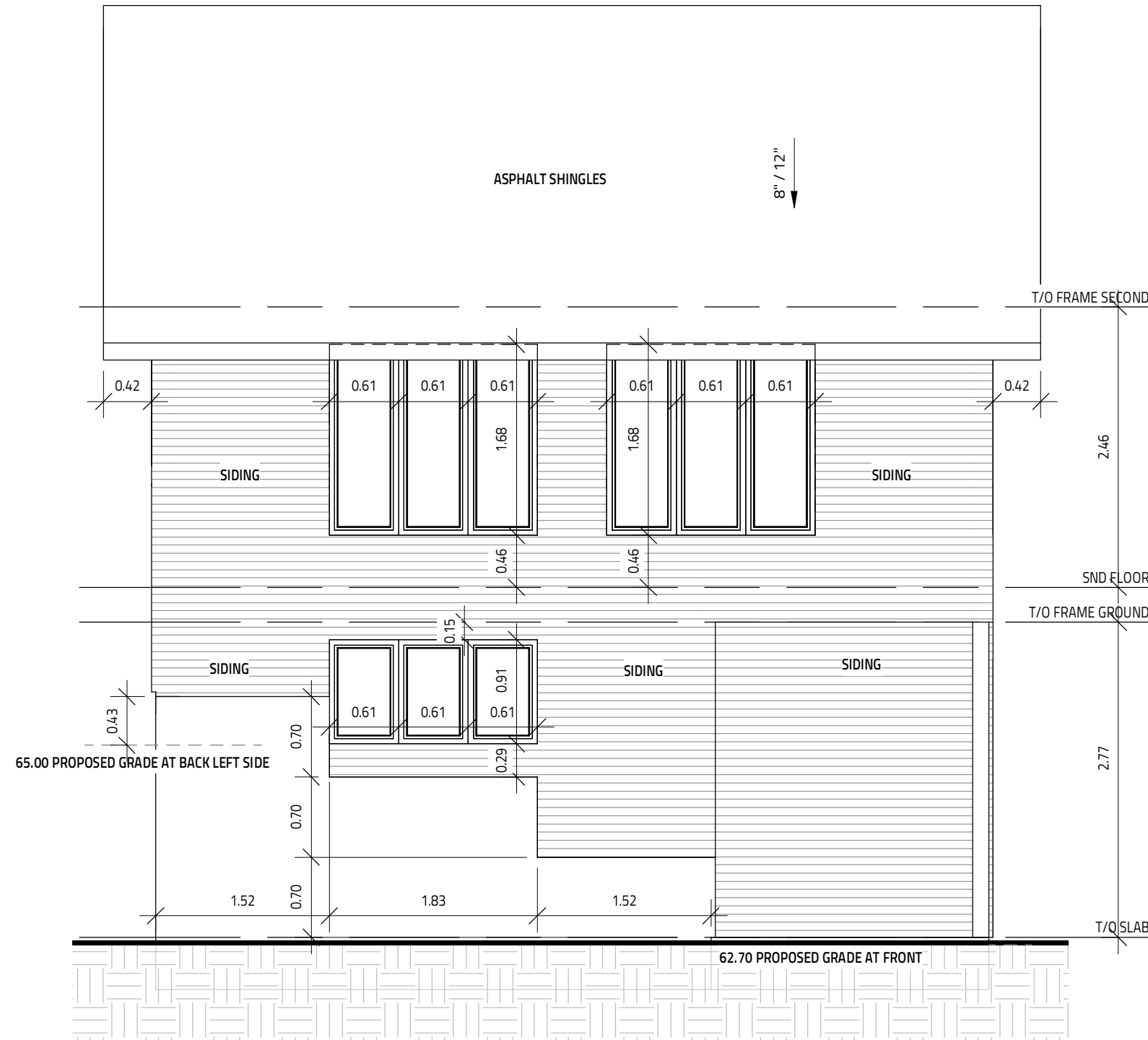
OTTAWA, ON



DRAWING TITLE
ELEVATION 1

DATE DRAWN APRIL 26, 2023	SCALE: 1/4" = 1'-0"
DRAWN BY: SG	FILE NAME: 119 MCCONNELL
CHECKED BY: MV	DWG. NO. D3.0

IT IS THE RESPONSIBILITY OF THE CONCRETE CONTRACTOR
TO ENSURE A MINIMUM OF 8" OF EXPOSED FOUNDATION AROUND
THE ENTIRE BUILDING



1 LEFT ELEVATION
SCALE: 1/4" = 1'-0"

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NO.	REVISION	DATE

MODEL:
119 MCCONNELL LANE

DETACHED GARAGE

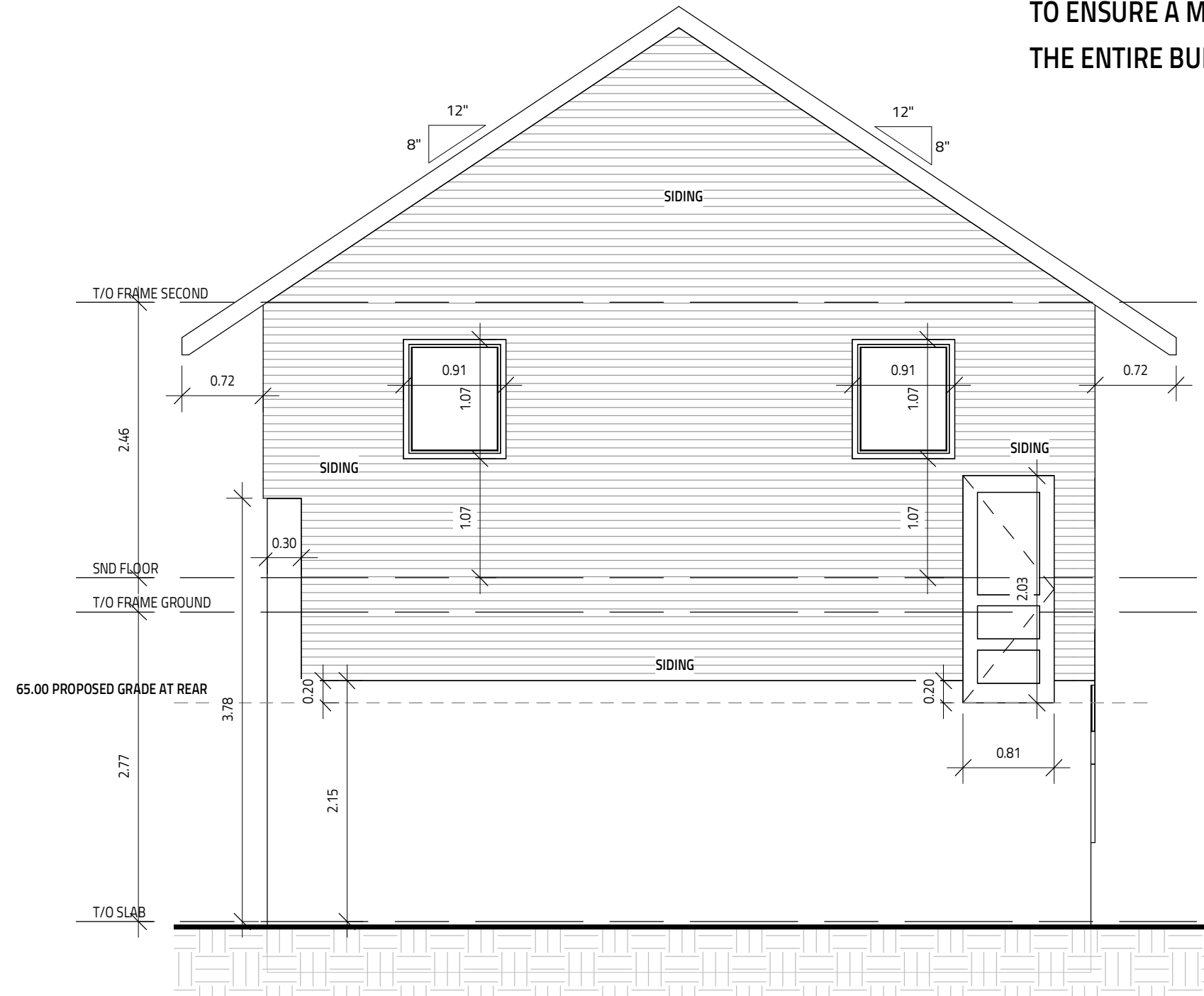
OTTAWA, ON



DRAWING TITLE
ELEVATION 2

DATE DRAWN APRIL 26, 2023	SCALE: 1/4" = 1'-0"
DRAWN BY: SG	FILE NAME: 119 MCCONNELL
CHECKED BY: MV	DWG. NO. D3.1

IT IS THE RESPONSIBILITY OF THE CONCRETE CONTRACTOR
TO ENSURE A MINIMUM OF 8" OF EXPOSED FOUNDATION AROUND
THE ENTIRE BUILDING



1 REAR ELEVATION
SCALE: 1/4" = 1'-0"

GENERAL NOTES:
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- GENERAL CONTRACTOR TO CONSTRUCT IN ACCORDANCE w/ THE O.B.C. 2006, ANY MUNICIPAL BY LAWS & ALL OTHER APPLICABLE CODES

NO.	REVISION	DATE

MODEL:
119 MCCONNELL LANE

DETACHED GARAGE

OTTAWA, ON



DRAWING TITLE
ELEVATION 3

DATE DRAWN AUGUST 10, 2022	SCALE: 1/4" = 1'-0"
DRAWN BY: SG	FILE NAME: 119 MCCONNELL
CHECKED BY: MV	DWG. NO. D3.2



May 9, 2023 (Revised)

Kollaard File # 220902-S1

Scott Dopking
119 McConnell Lane
Woodlawn, Ontario
K0A 3M0

Email: dopkings@gmail.com

Re: Proposed Detached Garage, 119 McConnell Lane, Woodlawn, City of Ottawa, Ontario, Kollaard Associates File # 220902

With regard to structural issues only, Kollaard Associates has reviewed the following drawings:

- Evolution Design & Drafting, Detached Garage, 119 McConnell Lane, Dwg. # D2.0, D2.1, D3.0 to D3.3, Dated April 26, 2023

Kollaard Associates offers the following comments and recommendations:

Second Floor Plan – Dwg. # D2.1:

1. The proposed lintels and posts shown on Evolution Design & Drafting Dwg. # D2.1 are adequate.
2. The second floor building drawings are to be read in conjunction with Kollaard Associates Dwg. # 220902-S2, 220902-S3 and 220902-S4.
3. Truss designs are by others.

Ground Floor Plan – Dwg. # D2.0:

4. The proposed lintels and posts shown on Evolution Design & Drafting Dwg. # D2.0 are adequate.
5. The ground floor building drawings are to be read in conjunction with Kollaard Associates Dwg. # 220902-S2, 220902-S3 and 220902-S4.
6. Floor joist and flush LVL beams/lintels are by other. The proposed posts supporting the flush beams/lintels shown on Evolution Design & Drafting Dwg. # D2.0 are adequate.

Foundation Plan – Dwg. # D2.2:

7. Refer to Kollaard Associates Dwg. # 220902-S2, 220902-S3 and 220902-S4 for the proposed foundation design drawings and sections. Prior to construction, all the dimensions are to be verified.

General:

8. All gravity loads to be carried to foundation through solid blocking.
9. Truss designs are by others.
10. Floor joist and flush LVL beams/lintels are by other.
11. All dimension lumber to be No.2 grade SPF or better.
12. The assumed soil bearing capacity of 75 kPa is to be verified prior to construction.
13. Do not fully backfill the foundation walls until the entire foundation and wood framed structure has been structurally completed.
14. Comments provided in this report are made in consideration of Part 9 and Part 4 (where applicable) of the 2012 OBC as amended.
15. This report constitutes a review of the structural information indicated on the building plans cited in this report for the client indicated above. Onsite inspections are outside the scope of the present report.

We trust this letter provides sufficient information for your present purposes. If you have any questions concerning this letter please do not hesitate to contact our office.

Sincerely,
Kollaard Associates Inc.



Christopher Cogliati, P.Eng.



NOTES:

1. All dimensions are imperial.
2. All dimensions to be verified on site by contractor prior to construction.
3. The detached dimensions dimensions were obtained from Evolution Design & Drafting, Dwg. # D2.0 to D2.2, D3.0 to D3.3, Dated April 26, 2023.
4. Contractor is responsible for location and protection of utilities.
5. Client is responsible for acquiring all necessary permits.
6. The concrete floor slab has been designed for a occupancy live load of 4.8 kPa.
7. Concrete slab to contain 6x6x6/6 WMM panel or 15M bars @ 16" o/c and have a compressive strength of no less than 32 MPa and air entrainment of 5-8%.
8. Foundation walls to have a compressive strength of no less than 25 MPa.
9. The reinforcing steel to be overlapped by 20".
10. All perimeter bars to be bent at corners. No bars to end within 24" of corners.
11. All reinforcing steel to be CSA Standard G30.18 fy = 400MPa (Grade 400).
12. Drantile, drainage layer and foundation waterproof membrane are by others.
13. The granular fill material to meet Ontario Provincial Standard Specification (OPSS) for Granular A or Granular B Type I or II (with max size of 2") compacted to 95% standard Proctor maximum dry density (SPD).
14. Wall to be anchored to foundation with anchor bolts in accordance with the Ontario Building Code (OBC) 9.23.6. unless otherwise mentioned.
15. The wood frame could be placed directly on the concrete slab following the placement of a suitable foam membrane.
16. Holes in concrete slab for pipes to the exterior to be coordinated on site prior to the pouring the concrete thickened edge slab.
17. Saw-cut joints could be provided in slab to control potential slab cracking. The joints should be 1" deep at a grid spacing of 10'-0".
18. The specified rigid insulation under the 6" slab portion may be substituted with 2" Celfort 200 rigid insulation.
19. Geotechnical engineer to inspect and approve subgrade prior to placing any fill or insulation. Completely remove the topsoil and any other organic material to the native soil subgrade ensuring all loose and disturbed material is removed from the foundation foot print.
20. The assumed soil bearing capacity of 75 kilopascals is to be verified at the time of construction.
21. Any changes made to this plan must be verified and approved by Kollaard Associates.

REV.	NAME	DESCRIPTION	DATED
1	CC	REVISED BUILDING DRAWINGS	23/05/09

Kollaard Associates
Engineers

PO. BOX 189, 210 PRESCOTT ST (613) 860-0923
KEMPTVILLE ONTARIO info@kollaard.ca
K0G 1J0 FAX (613) 258-0475
http://www.kollaard.ca

CLIENT:
SCOTT DOPKING

PROJECT:
PROPOSED DETACHED GARAGE

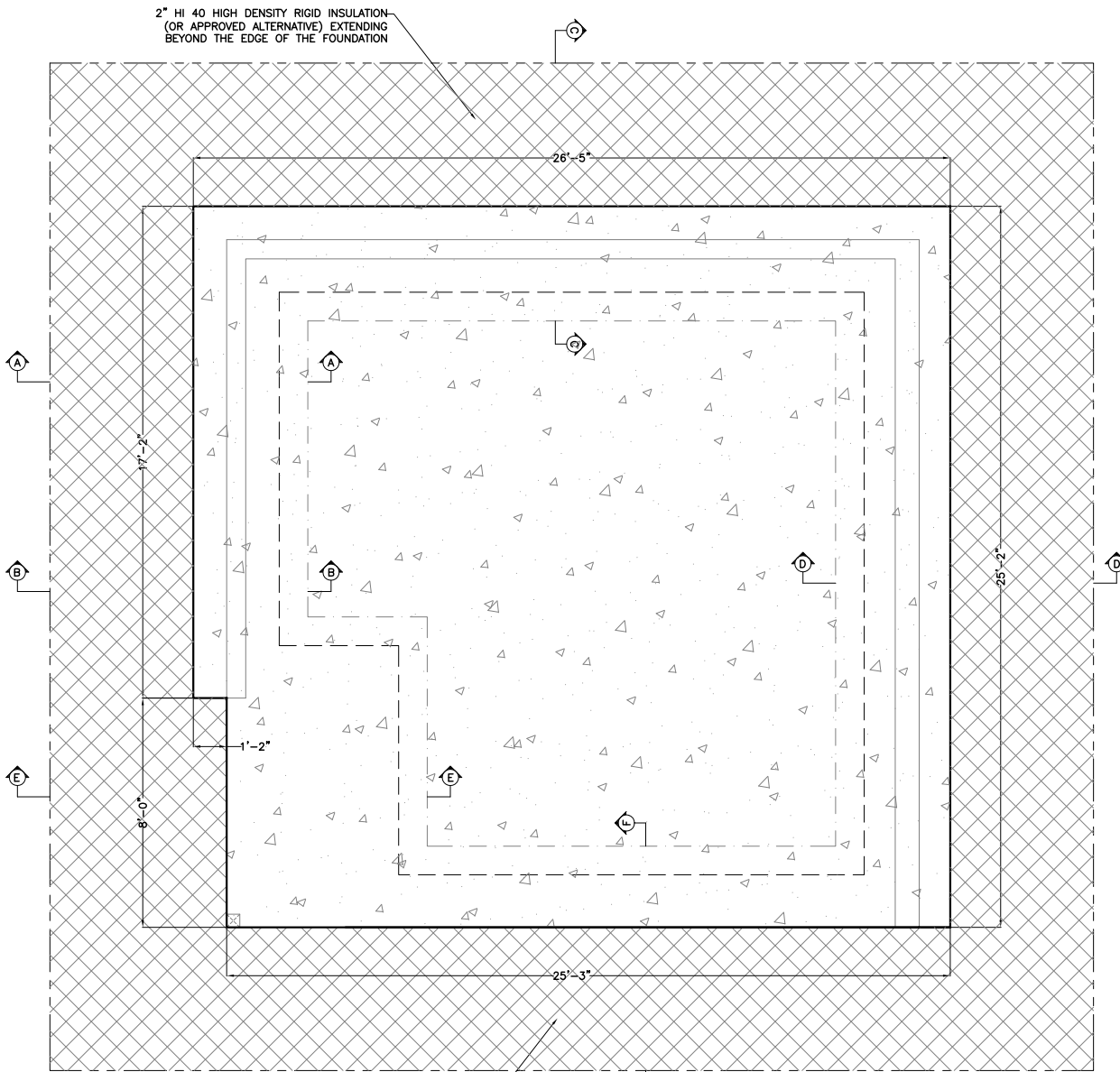
DRAWING:
FOUNDATION DESIGN - PLAN VIEW

LOCATION:
**119 McCONNELL LANE
CITY OF OTTAWA, ONTARIO**

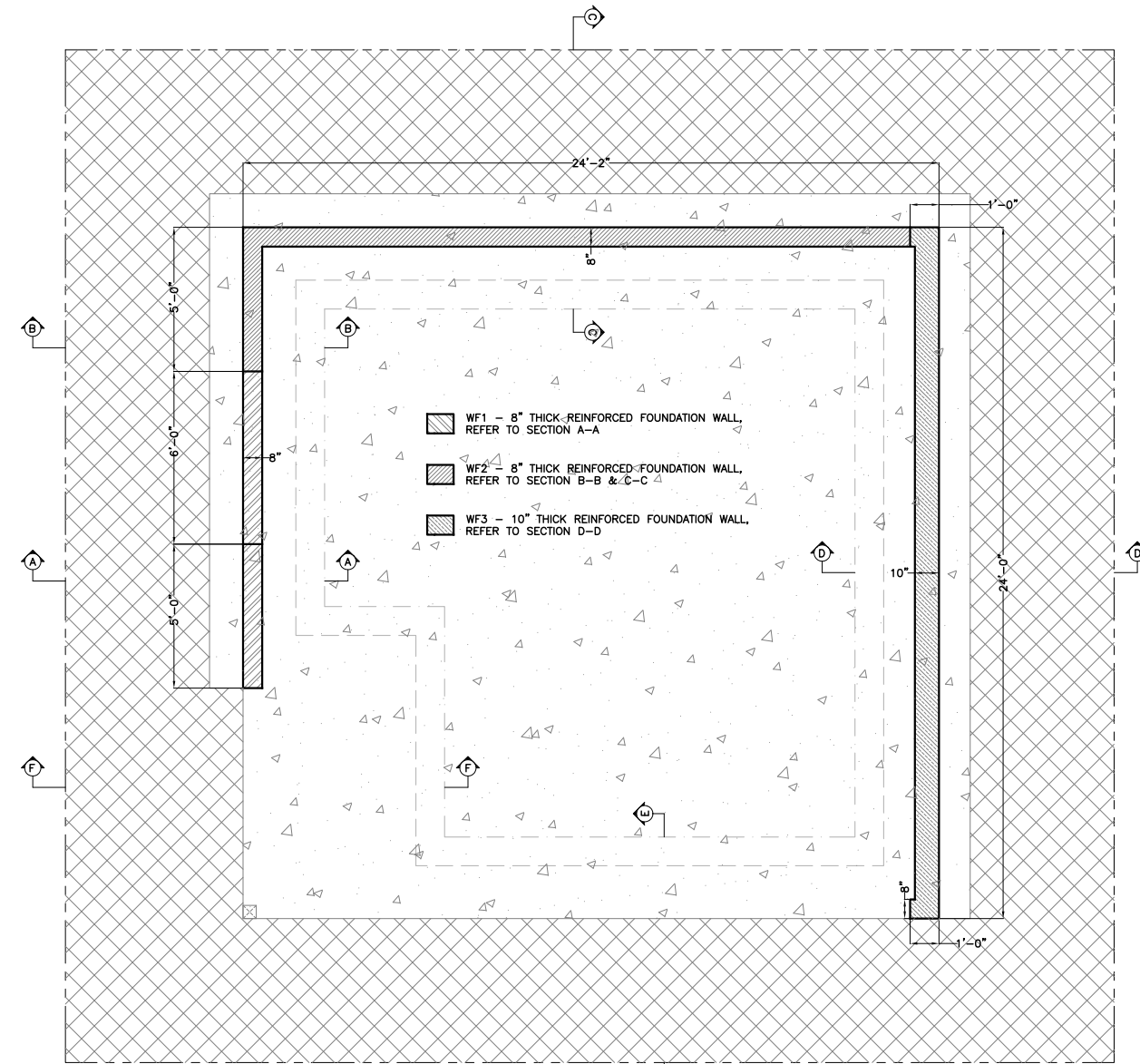
DESIGNED BY: CC DATE: AUG. 30, 2022

DRAWN BY: CC SCALE: NOT TO SCALE

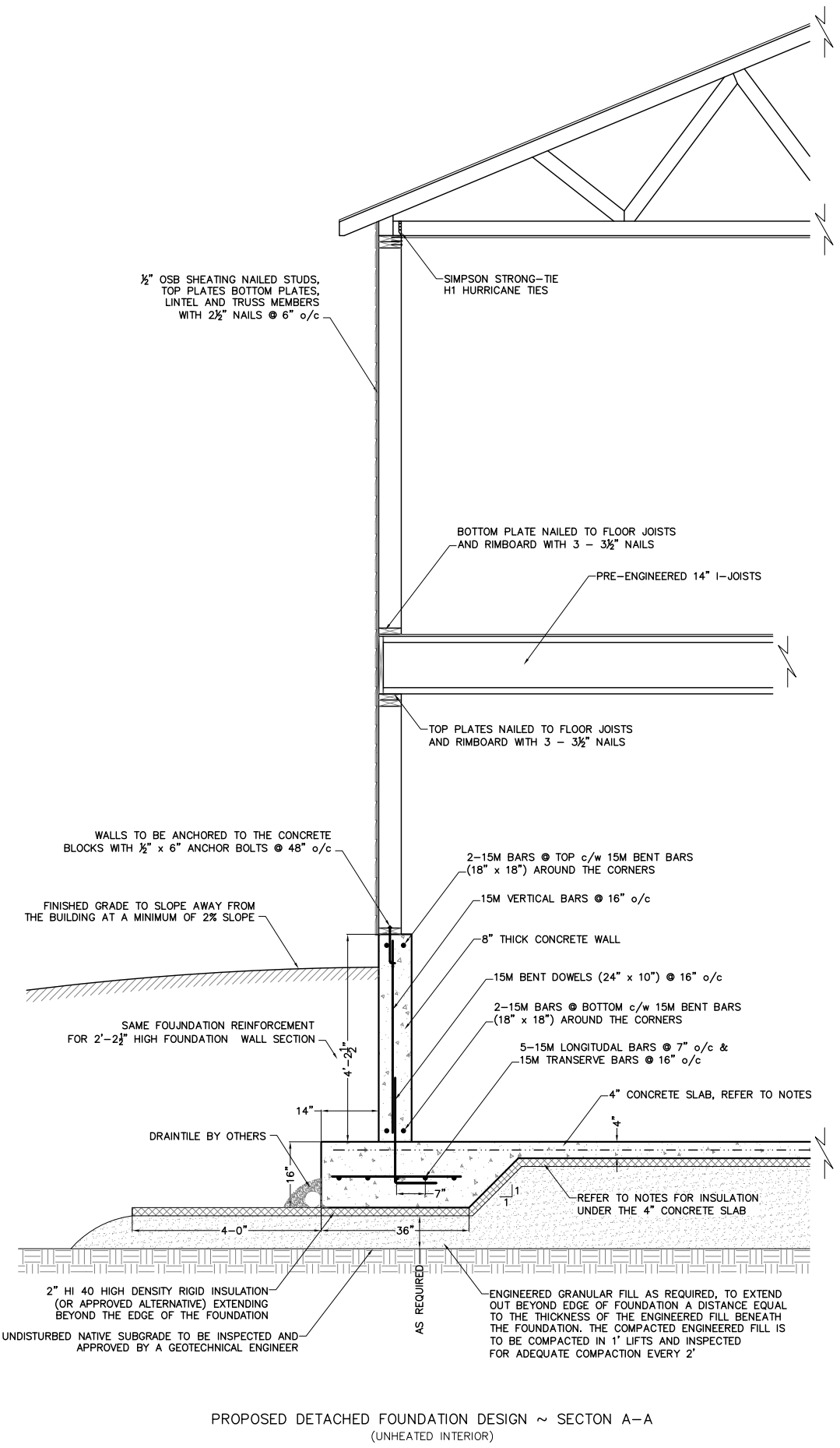
KOLLAARD FILE NUMBER:
220902



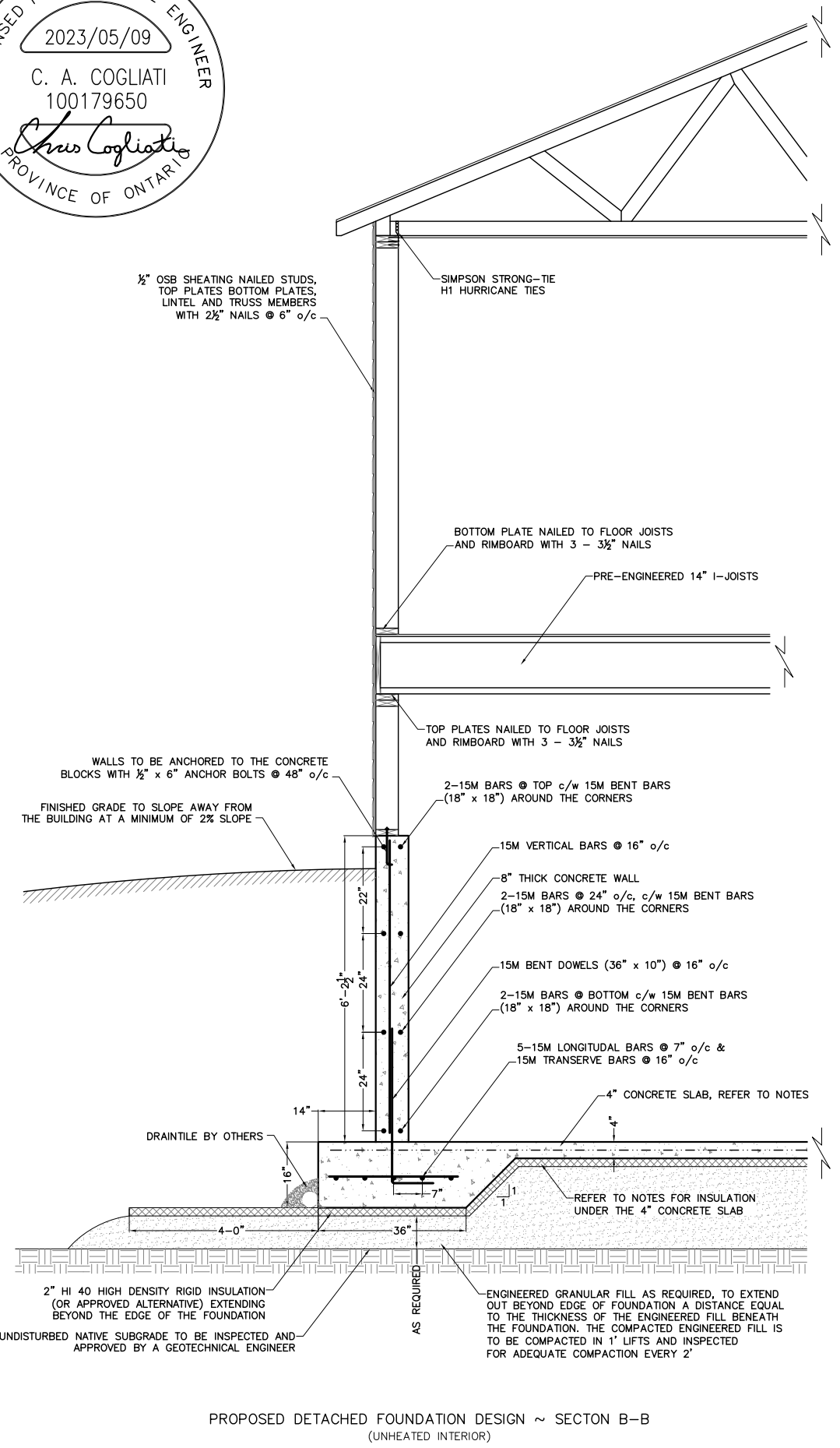
PROPOSED DETACHED FOUNDATION DESIGN ~ SLAB ON GRADE PLAN VIEW
(UNHEATED INTERIOR)



PROPOSED DETACHED FOUNDATION DESIGN ~ FOUNDATION WALLS PLAN VIEW
(UNHEATED INTERIOR)



PROPOSED DETACHED FOUNDATION DESIGN ~ SECTION A-A
(UNHEATED INTERIOR)



PROPOSED DETACHED FOUNDATION DESIGN ~ SECTION B-B
(UNHEATED INTERIOR)

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 - All reinforcing steel to be CSA Standard G30.18 fy = 400MPa (Grade 400).
 - Drain tile, drainage layer and foundation waterproof membrane are by others.
 - The granular fill material to meet Ontario Provincial Standard Specification (OPSS) for Granular A or Granular B Type I or II (with max size of 2") compacted to 95% standard Proctor maximum dry density (SPD).
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 - The assumed soil bearing capacity of 75 kilopascals is to be verified at the time of construction.
 - Any changes made to this plan must be verified and approved by Kollaard Associates.

REV.	CC	REVISED BUILDING DRAWINGS	23/05/09
REV.	NAME	DESCRIPTION	DATED
REVISIONS			

Kollaard Associates Engineers
 PO. BOX 189, 210 PRESCOTT ST (613) 860-0923
 KEMPTVILLE ONTARIO info@kollaard.ca
 KOG 1J0 FAX (613) 258-0475
 http://www.kollaard.ca

CLIENT: SCOTT DOPKING

PROJECT: PROPOSED DETACHED GARAGE

DRAWING: FOUNDATION DESIGN - SECTION A-A & B-B

LOCATION: 119 McCONNELL LANE
CITY OF OTTAWA, ONTARIO

DESIGNED BY: CC DATE: AUG. 30, 2022

DRAWN BY: CC SCALE: NOT TO SCALE

KOLLAARD FILE NUMBER: 220902



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REV.	CC	REVISED BUILDING DRAWINGS	23/05/09
REV.	NAME	DESCRIPTION	DATED
REVISIONS			

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CLIENT: SCOTT DOPKING

PROJECT: PROPOSED DETACHED GARAGE

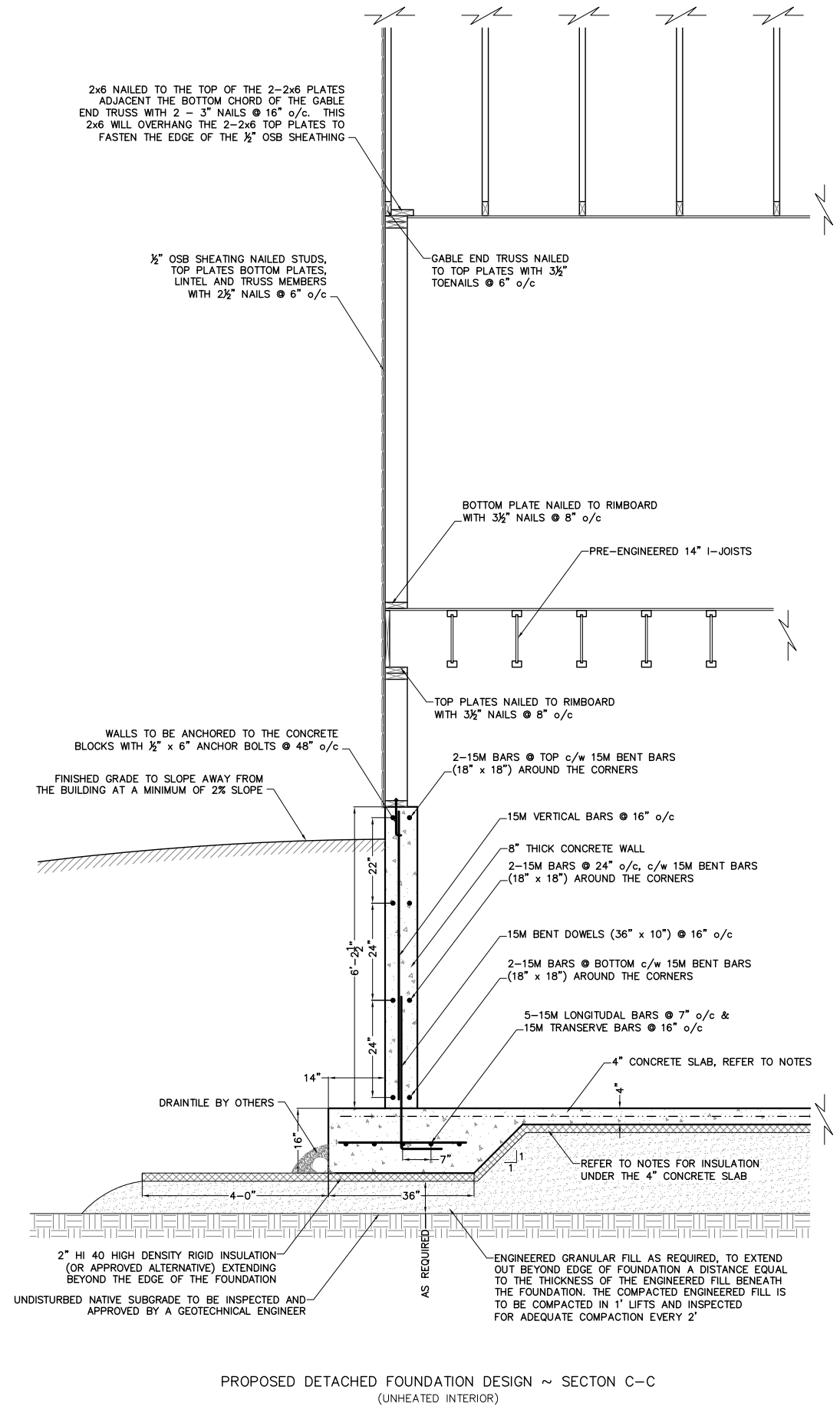
DRAWING: FOUNDATION DESIGN - SECTIONS C-C & D-D

LOCATION: 119 McCONNELL LANE
CITY OF OTTAWA, ONTARIO

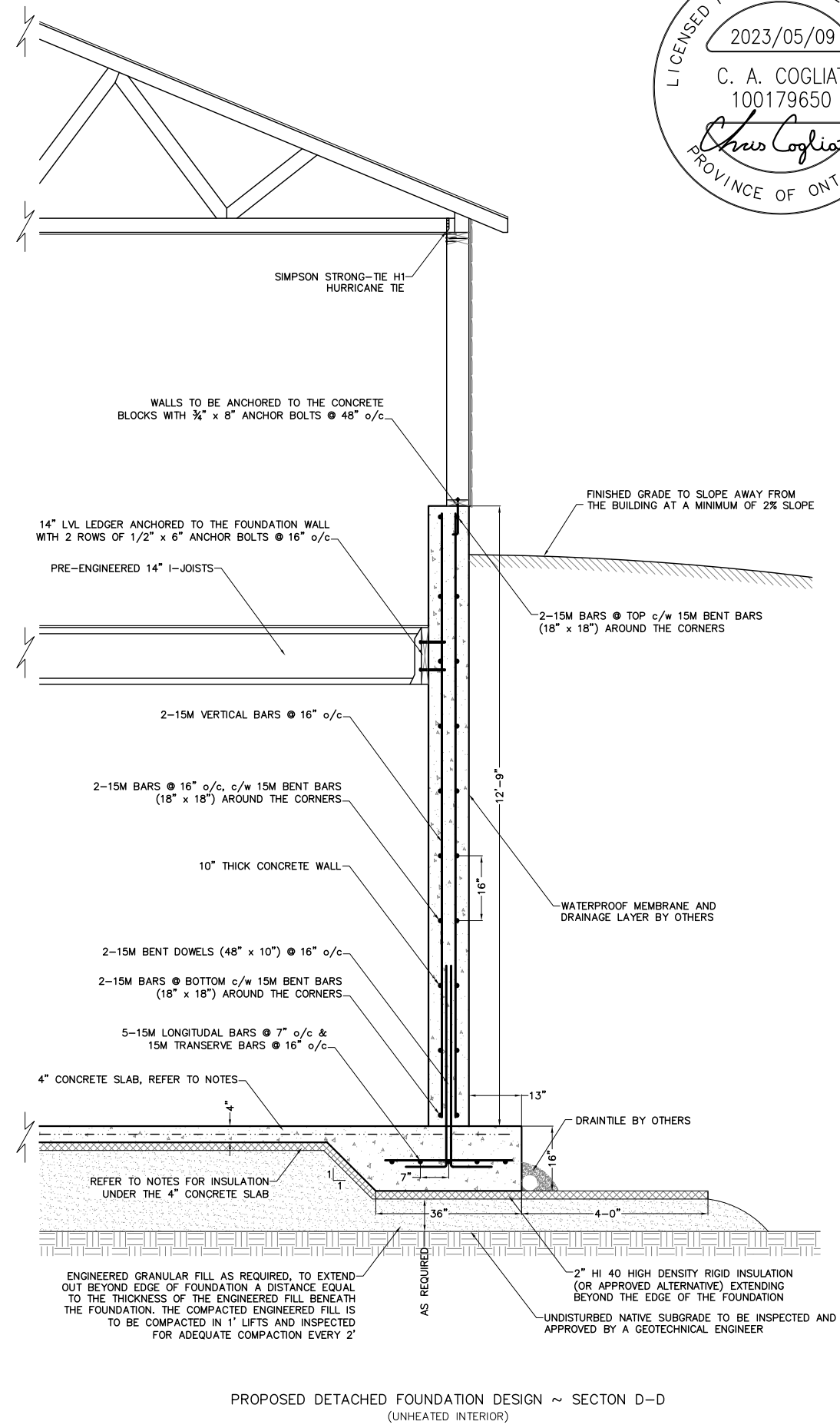
DESIGNED BY: CC DATE: AUG. 30, 2022

DRAWN BY: CC SCALE: NOT TO SCALE

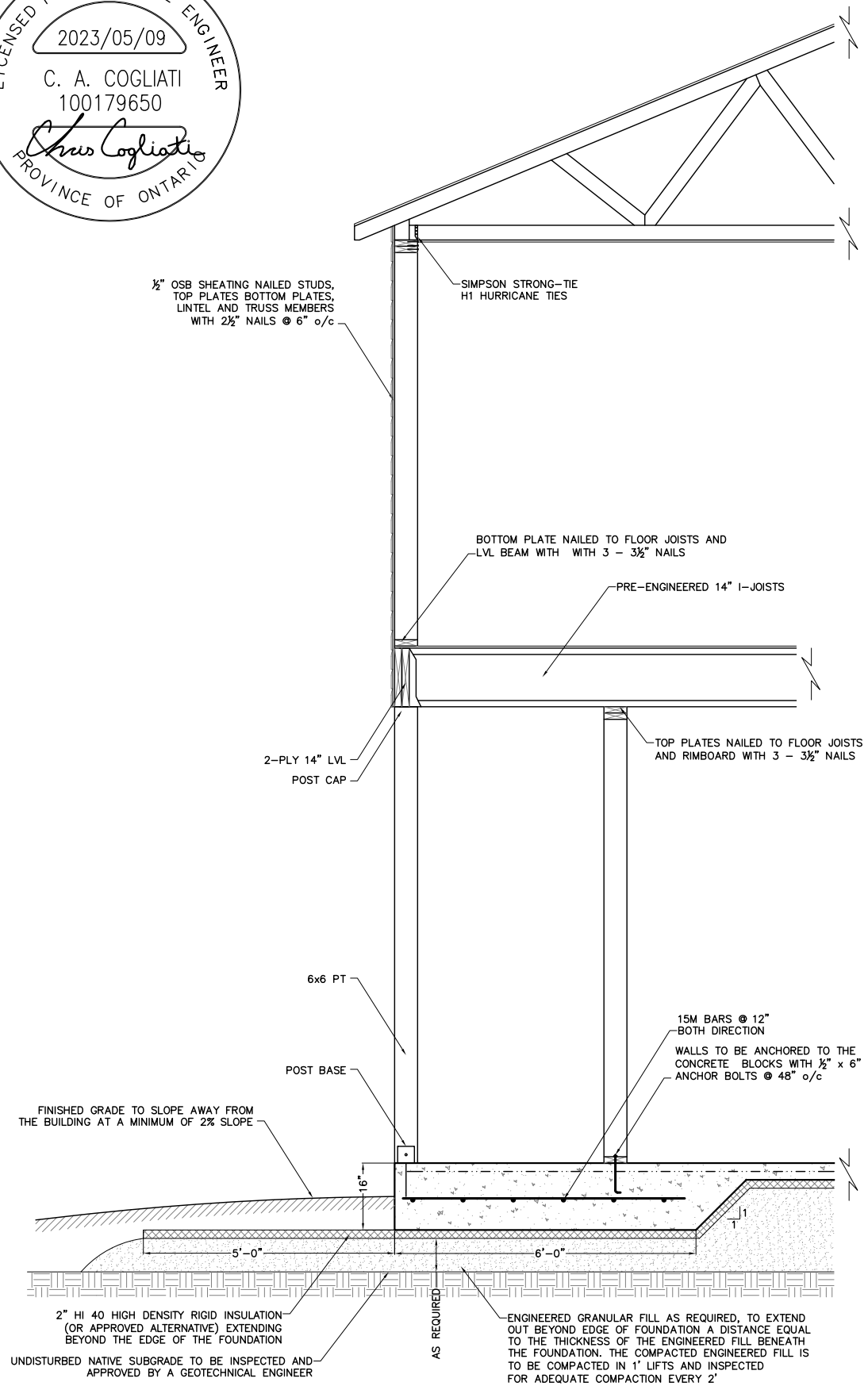
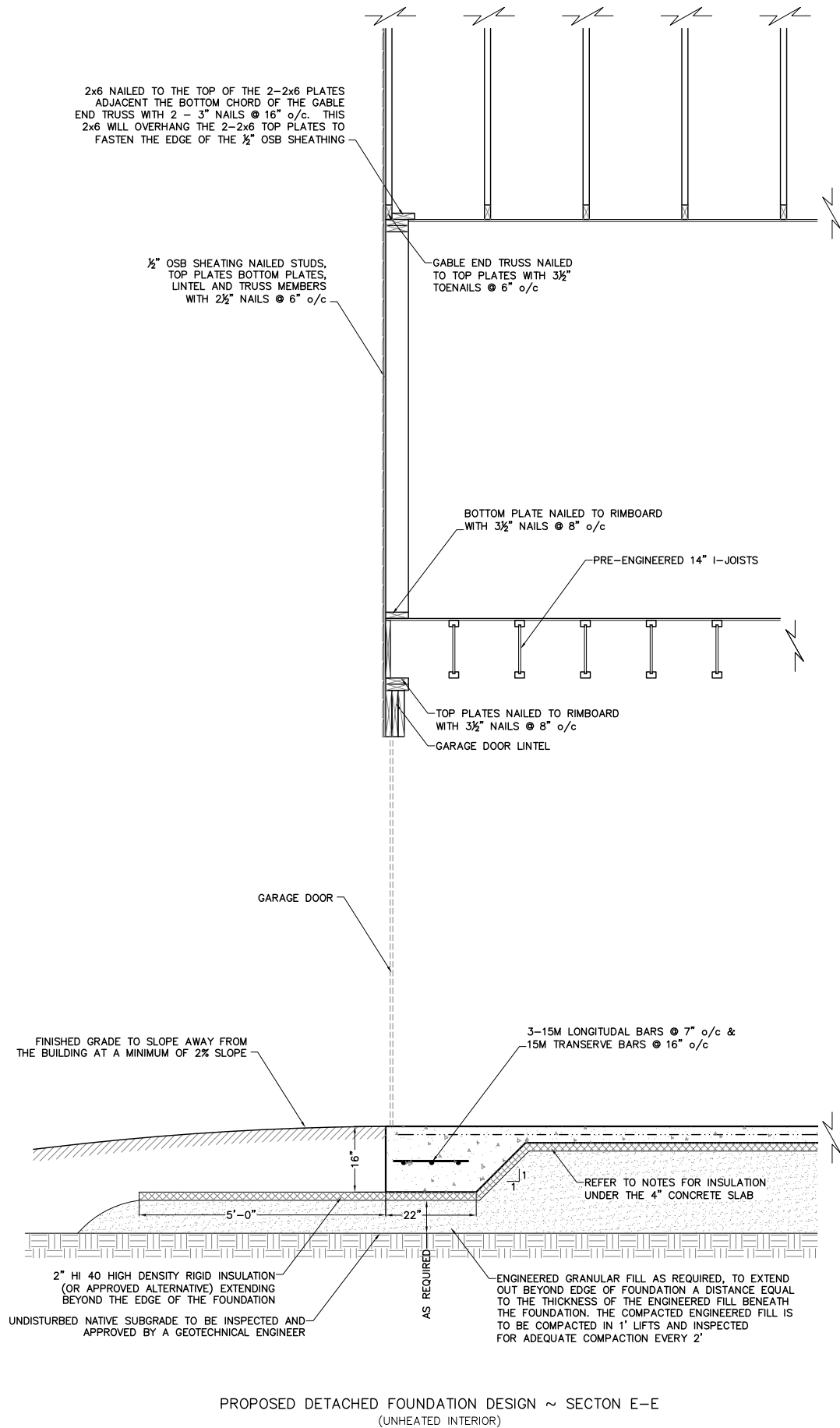
KOLLAARD FILE NUMBER: 220902



PROPOSED DETACHED FOUNDATION DESIGN ~ SECTION C-C
(UNHEATED INTERIOR)



PROPOSED DETACHED FOUNDATION DESIGN ~ SECTION D-D
(UNHEATED INTERIOR)



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REV.	CC	REVISED BUILDING DRAWINGS	23/05/09
REV.	NAME	DESCRIPTION	DATED
REVISIONS			

Kollaard Associates Engineers
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CLIENT: SCOTT DOPKING

PROJECT: PROPOSED DETACHED GARAGE

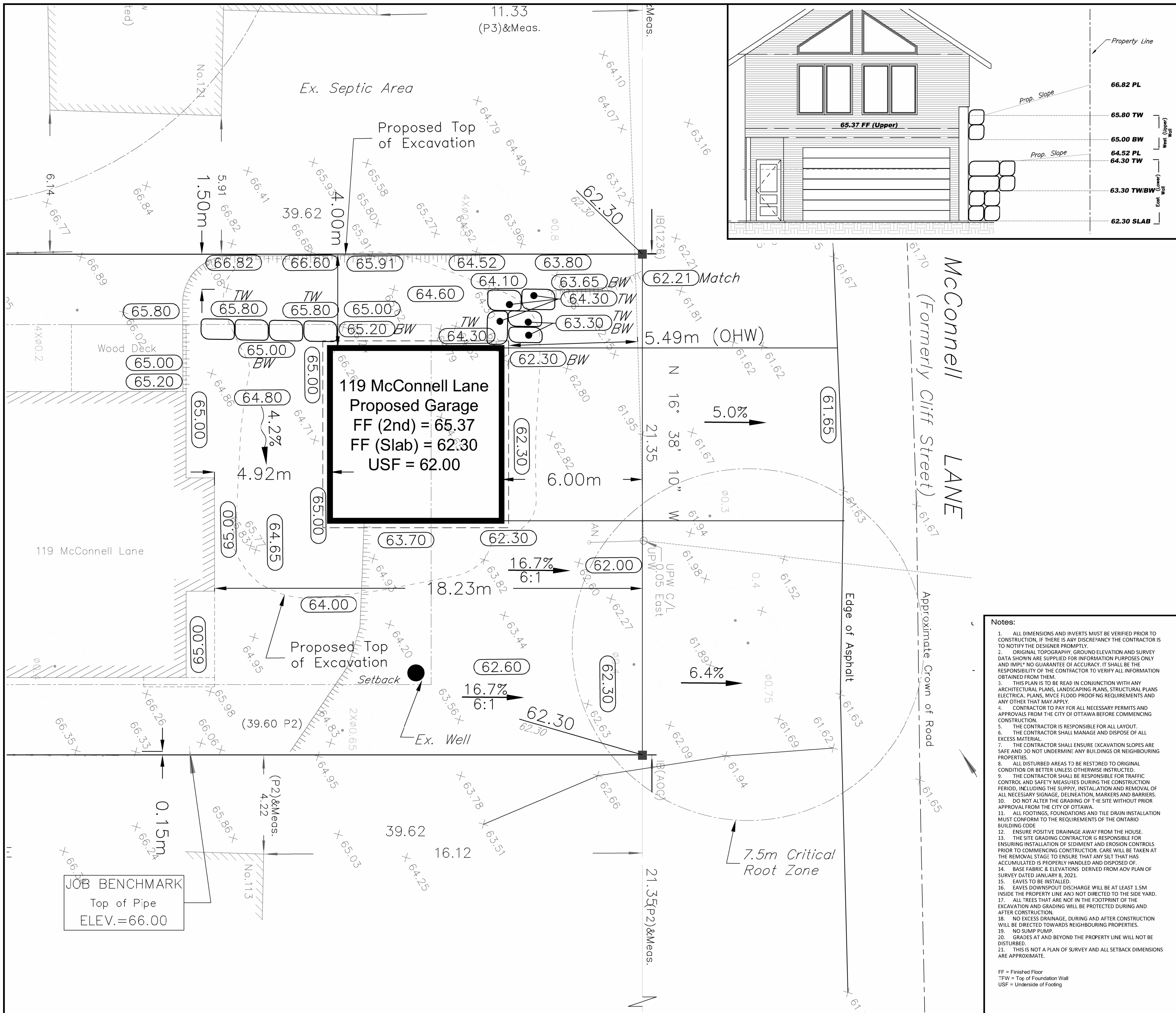
DRAWING: FOUNDATION DESIGN - SECTION E-E & F-F

LOCATION: 119 McCONNELL LANE
CITY OF OTTAWA, ONTARIO

DESIGNED BY: CC DATE: AUG. 30, 2022

DRAWN BY: CC SCALE: NOT TO SCALE

KOLLAARD FILE NUMBER: 220902



Legend:

- Ex. Utility Pole
- Existing Grade
- Existing Overhead Wires
- Existing Fence
- Existing Top of Slope
- Existing Laneway
- Existing Centerline
- Existing Edge of Pavement
- Existing Ditch
- Proposed Grade
- Existing Grade
- Slope and Direction
- Proposed Swale (0.10m Min Deep) 3:1 max side slopes
- (115.10) Proposed Grade
- Existing Hedge/Tree
- Proposed Terracing (3H:1V Max)
- Proposed Limit of Grading (Match Existing)
- Proposed Retaining Wall (1.0m or Less in Height)
TW = Top of Wall
BW = Bottom of Wall

T. Williams

June 16, 2023

Benchmarks:

BM 1:
Mag Nail in Road
Elevation 61.57

BM 2:
Top of Pipe
Elevation 66.00

No.	Revision/Issue	Date
1	ISSUED FOR REVIEW	June 15 23

Check and verify all dimensions before proceeding with the work. Do not scale drawings.

Client:
Kim & Scott Dopking

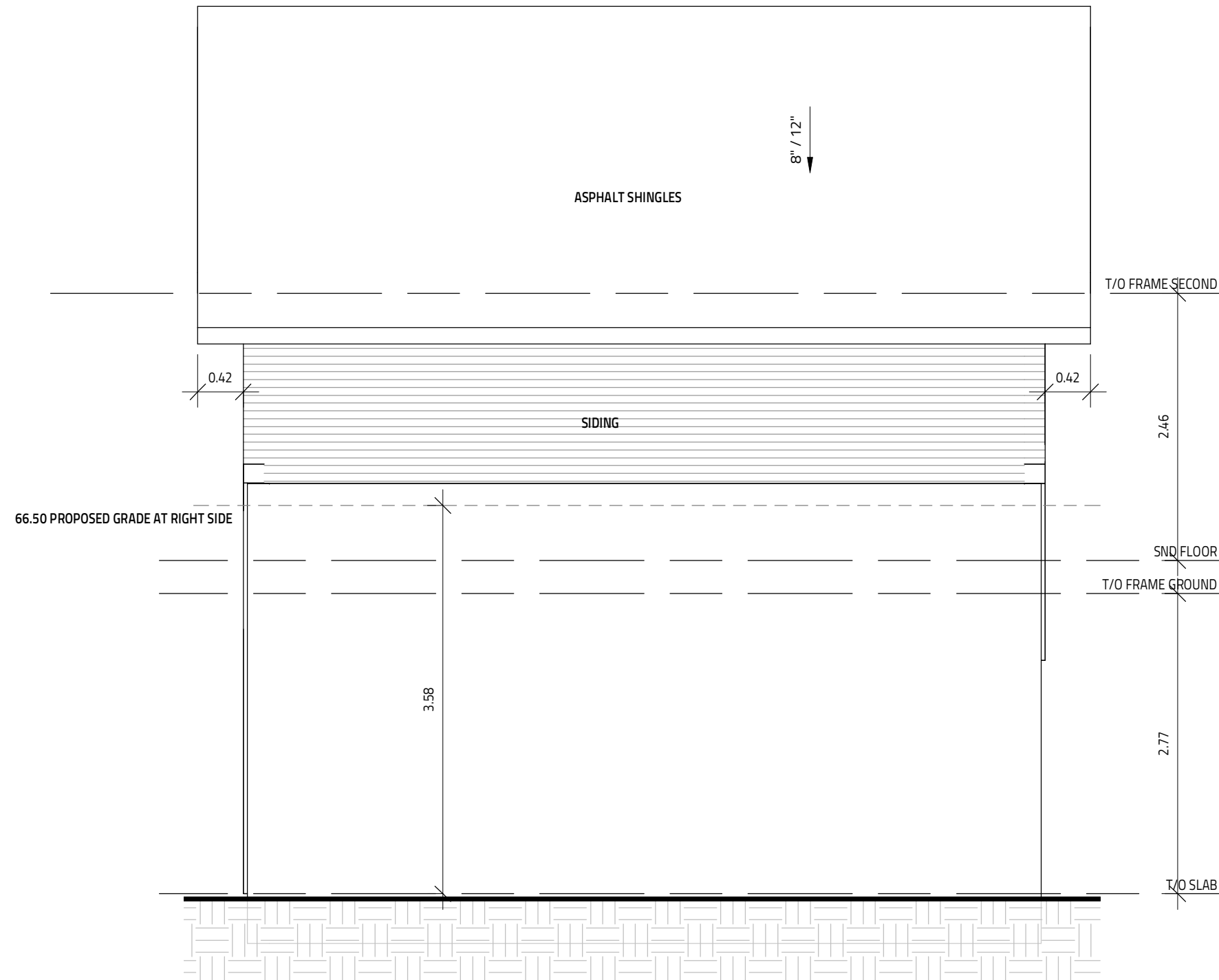
Drawing Title:
GRADING PLAN - GARAGE

Drawn by: TW Designed by: TW Checked by: KD Scale: 1:100 Date: June 14, 2023	Project: 119 McConnell Lane Grading Plan - Garage Drawing Number: C1.1 SHEET 1 of 1
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- Notes:**
1. ALL DIMENSIONS AND INVERTS MUST BE VERIFIED PRIOR TO CONSTRUCTION. IF THERE IS ANY DISCREPANCY THE CONTRACTOR IS TO NOTIFY THE DESIGNER PROMPTLY.
 2. ORIGINAL TOPOGRAPHY, GROUND ELEVATION AND SURVEY DATA SHOWN ARE SUPPLIED FOR INFORMATION PURPOSES ONLY AND IMPLY NO GUARANTEE OF ACCURACY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ALL INFORMATION OBTAINED FROM THEM.
 3. THIS PLAN IS TO BE READ IN CONJUNCTION WITH ANY ARCHITECTURAL PLANS, LANDSCAPING PLANS, STRUCTURAL PLANS ELECTRICAL PLANS, MVCE FLOOD PROOFING REQUIREMENTS AND ANY OTHER THAT MAY APPLY.
 4. CONTRACTOR TO PAY FOR ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF OTTAWA BEFORE COMMENCING CONSTRUCTION.
 5. THE CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT.
 6. THE CONTRACTOR SHALL MANAGE AND DISPOSE OF ALL EXCESS MATERIAL.
 7. THE CONTRACTOR SHALL ENSURE EXCAVATION SLOPES ARE SAFE AND DO NOT UNDERMINE ANY BUILDINGS OR NEIGHBOURING PROPERTIES.
 8. ALL DISTURBED AREAS TO BE RESTORED TO ORIGINAL CONDITION OR BETTER UNLESS OTHERWISE INSTRUCTED.
 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL AND SAFETY MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING THE SUPPLY, INSTALLATION AND REMOVAL OF ALL NECESSARY SIGNAGE, DELINEATION, MARKERS AND BARRIERS.
 10. DO NOT ALTER THE GRADING OF THE SITE WITHOUT PRIOR APPROVAL FROM THE CITY OF OTTAWA.
 11. ALL FOOTINGS, FOUNDATIONS AND TILE DRAIN INSTALLATION MUST CONFORM TO THE REQUIREMENTS OF THE ONTARIO BUILDING CODE.
 12. ENSURE POSITIVE DRAINAGE AWAY FROM THE HOUSE.
 13. THE SITE GRADING CONTRACTOR IS RESPONSIBLE FOR ENSURING INSTALLATION OF SEDIMENT AND EROSION CONTROLS PRIOR TO COMMENCING CONSTRUCTION. CARE WILL BE TAKEN AT THE REMOVAL STAGE TO ENSURE THAT ANY SILT THAT HAS ACCUMULATED IS PROPERLY HANDLED AND DISPOSED OF.
 14. BASE FABRIC & ELEVATIONS DERIVED FROM ADV PLAN OF SURVEY DATED JANUARY 8, 2021.
 15. EAVES TO BE INSTALLED.
 16. EAVES DOWNSPOT DISCHARGE WILL BE AT LEAST 1.5M INSIDE THE PROPERTY LINE AND NOT DIRECTED TO THE SIDE YARD.
 17. ALL TREES THAT ARE NOT IN THE FOOTPRINT OF THE EXCAVATION AND GRADING WILL BE PROTECTED DURING AND AFTER CONSTRUCTION.
 18. NO EXCESS DRAINAGE, DURING AND AFTER CONSTRUCTION WILL BE DIRECTED TOWARDS NEIGHBOURING PROPERTIES.
 19. NO SUMP PUMP.
 20. GRADES AT AND BEYOND THE PROPERTY LINE WILL NOT BE DISTURBED.
 21. THIS IS NOT A PLAN OF SURVEY AND ALL SETBACK DIMENSIONS ARE APPROXIMATE.
- FF = Finished Floor
TFW = Top of Foundation Wall
USF = Underside of Footing



IT IS THE RESPONSIBILITY OF THE CONCRETE CONTRACTOR
TO ENSURE A MINIMUM OF 8" OF EXPOSED FOUNDATION AROUND
THE ENTIRE BUILDING



1 RIGHT ELEVATION
SCALE: 1/4" = 1'-0"

GENERAL NOTES:
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NO.	REVISION	DATE

MODEL:
119 MCCONNELL LANE

DETACHED GARAGE

OTTAWA, ON



DRAWING TITLE
ELEVATION 4

DATE DRAWN APRIL 26, 2023	SCALE: 1/4" = 1'-0"
DRAWN BY: SG	FILE NAME: 119 MCCONNELL
CHECKED BY: MV	DWG. NO. D3.3