

94 Tomlinson Cir, Markham, ON L3R 9J6

<u>SHEET LIST</u>		<u>SHEET LIST</u>		<u>MEMBER LEGEND</u>	
NO.	TITLE	NO.	TITLE	NO.	MEMBER
L0.1	COVER PAGE	L2.2	ELEVATIONS	01	LUMON VT4 ALUMINUM 70x70 POST
L0.2	NOTES	L2.3	ELEVATIONS	02	LUMON VT4 ALUMINUM 90x90 POST
L0.3	SITE PLAN	L3.1	SECTIONS	03	LUMON VT4 ALUMINUM HEAVY DUTY BEAM
L1.1	PLAN ON POST	L4.1	DETAILS	04	LUMON VT4 - ALUMINUM RAFTER
L1.2	DECK STRUCTURE	L4.2	DETAILS	05	LUMON VT4 - ALUMINUM REAR BEAM
L1.3	PLAN ON COVER	L4.3	DETAILS	06	LUMON ROOF GLAZING-OF88 CLEAR-8mm THICK
L2.1	ELEVATIONS	L4.4	DECK STRUCTURE DETAILS		



600 Zenway Blvd Unit 5
Woodbridge, ON, L4H 3M9
PH: +1 887 707 7427
info.canada@lumon.com



2024-07-03
FOR NEW STRUCTURAL
ELEMENTS ONLY

REVISION TABLE	No.	Description	Date																				
	A.00	DRAWING	04/04/2024																				
B.00	SQUAD CHECK	11/04/2024																					
C.00	ENGINEER	11/04/2024																					
C.01	ENGINEER REV.	29/04/2024																					
C.02	PERMIT REV.	14/05/2024																					
C.03	PERMIT REV.	02/07/2024																					
				94 Tomlinson Cir, Markham, ON																			
				COVER PAGE																			
				PROJECT NUMBER 50741099																			
				L0.1																			
				Scale																			

CONSTRUCTION NOTES

- THESE DRAWINGS DETAIL THE INSTALLATION.
- STRUCTURE AND ALL MATERIALS ARE IN ACCORANCE WITH CURRENT EDITIONS OF THE 2012 ONTARIO BUILDING CODE.
- CONSTRUCTION OF EXISTING STRUCTURE (i.e FOUNDATION WALLS, FOOTING, EXTERIOR WALLS AND SHEATHING ARE ASSUMED TO BE IN ACCORDANCE WITH REQUIREMENT OF PART 4 OR PART 9 OF ONTARIO BUILDING CODE. LATERAL LOAD OF THE SUNROOM (WIND AND SEISMIC) IS ASSUMED TO BE RESISTED BY THE MAIN STRUCTURE. EXISTING STRUCTURE WHICH SUPPORTS THE SUNROOM IS REQUIRED TO SATISFY THE FOLLOWING REQUIREMENTS (TO BE VERIFIED):
- IN CASE OF LUMON ROOFING SYSTEM:
 - * STUD WALL WITH SHEATHING: 2 x 6 SPRUCE-PINE-FIR NO. 1 / NO. 2 @ 16" OR BETTER.
 - * OPENING LINTELS: 4 PLY 1 3/4" x 9 1/2" 2.0 E MICROLLAM LVL OR BETTER.
 - * MINIMUM FOOTING SIZE 29" WIDE AND 10.5" THICK
 - * MINIMUM CONCRETE WALL THICKNESS: 8" AND LATERALLY SUPPORTED TO THE FLOOR

NOTES:

- FOLLOW ALL NOTES AND RECOMMENDATIONS CONTAINED WITHIN THESE DRAWINGS.
- CONSULT SEALING ENGINEER IF SITE CONDITIONS ARE DIFFERENT FROM WHAT SHOWN ON THE DRAWINGS OR ABOVE MENTIONED ASSUMPTIONS.

DESIGN CRITERIA

- PREVAILING CODE : OBC 2012
- SNOW LOAD : $S_s = 1.3 \text{ kPa}$
- RAIN LOAD : $S_r = 0.4 \text{ kPa}$
- WIND LOAD :
 - 1 in 10 : 0.34 kPa
 - 1 in 50 : 0.44 kPa
- DEAD LOAD : 0.49 kPa
- SEISMIC DATA
 - $S_a (0.2)$: 0.182
 - $S_a (0.5)$: 0.103
 - $S_a (1.0)$: 0.056
 - $S_a (2.0)$: 0.028
 - PGA : 0.115

SITE CLASS: D (STIFF SOIL) - TO BE SITE VERIFIED

RD=R0=1

SEISMIC BASE SHEAR = TBD

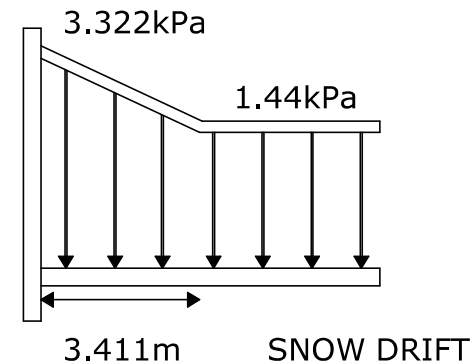
DEFLECTION CRITERIA	
ROOF BEAM/RAFTER	:L/120
INTERMEDIATE BEAM	:L/200
FRONT BEAM	:L/200
TEMPERED GLASS	:MIN (W/20,76.2mm)

LUMON NOTES

- THESE DRAWINGS ARE FOR STRUCTURAL SIGNOFF OF LUMON SYSTEMS AND LUMON CONNECTION ONLY, INCLUDING RELEVANT SCHEDULES.
- ALL OTHER DETAILS ARE FOR REFERENCE ONLY.THOSE ARE DESIGNED, INSTALLED, REVIEWED AND APPLIED BY OTHERS.
- OPENINGS ARE TO BE CONSTRUCTED LEVEL AND TRUE TO LINE.
- OPENINGS ARE TO BE SQUARE TO 6mm (1/4") TOLERANCE. CURBS/BALCONY SLAB TO BE LEVEL TO 6mm (1/4") TOLERANCE. HEADER/BALCONY SLAB ABOVE TO BE LEVEL TO 6mm (1/4") TOLERANCE.
- LUMON RETRACTABLE GLAZING SYSTEM IS TOP HUNG AND BOTTOM GUIDE. ALLOWABLE DEFLECTION IS 8mm.
- AT THE CONNECTION POINT, THE LUMON RAILING SYSTEM REQUIRES MIN 2 PLYS OF 2x WOOD BLOCKING OR MIN 4" THICK CONCRETE OR STEEL/ALUMINUM PLATES/BRACKETS DESIGNED AND INSTALLED BY OTHERS.

LOCATION:	CASE:	VERTICAL:	HORIZONTAL:
MIDDLE COLUMN (kN)	DEAD	1.79	n/a
	SNOW	14.91	n/a
	WIND(L)	-7.75	2.24
	WIND(T)	-7.75	0.98
	SEISMIC	n/a	0.33
CORNER COLUMN (kN)	DEAD	1.09	n/a
	SNOW	9.05	n/a
	WIND(L)	-4.71	1.12
	WIND(T)	-4.71	0.98
	SEISMIC	n/a	0.33

- * LOADS ARE UN-FACTORED
- * L IS PARALLEL TO THE MAIN BLDG WALL
- * T IS PERPENDICULAR TO MAIN BLDG WALL
- * +/- TO BE CONSIDERED FOR WIND AND SEISMIC
- * + IS DOWNWARD LOAD



LUMON

600 Zenway Blvd Unit 5
Woodbridge, ON, L4H 3M9
PH: +1 887 707 7427
info.canada@lumon.com



No.	Description	Date	REVISION TABLE														
A.00	DRAWING	04/04/2024															
B.00	SQUAD CHECK	11/04/2024															
C.00	ENGINEER	11/04/2024															
C.01	ENGINEER REV.	29/04/2024															
C.02	PERMIT REV.	14/05/2024															
C.03	PERMIT REV.	02/07/2024															

94 Tomlinson Cir, Markham, ON

NOTES

PROJECT NUMBER 50741099

L0.2

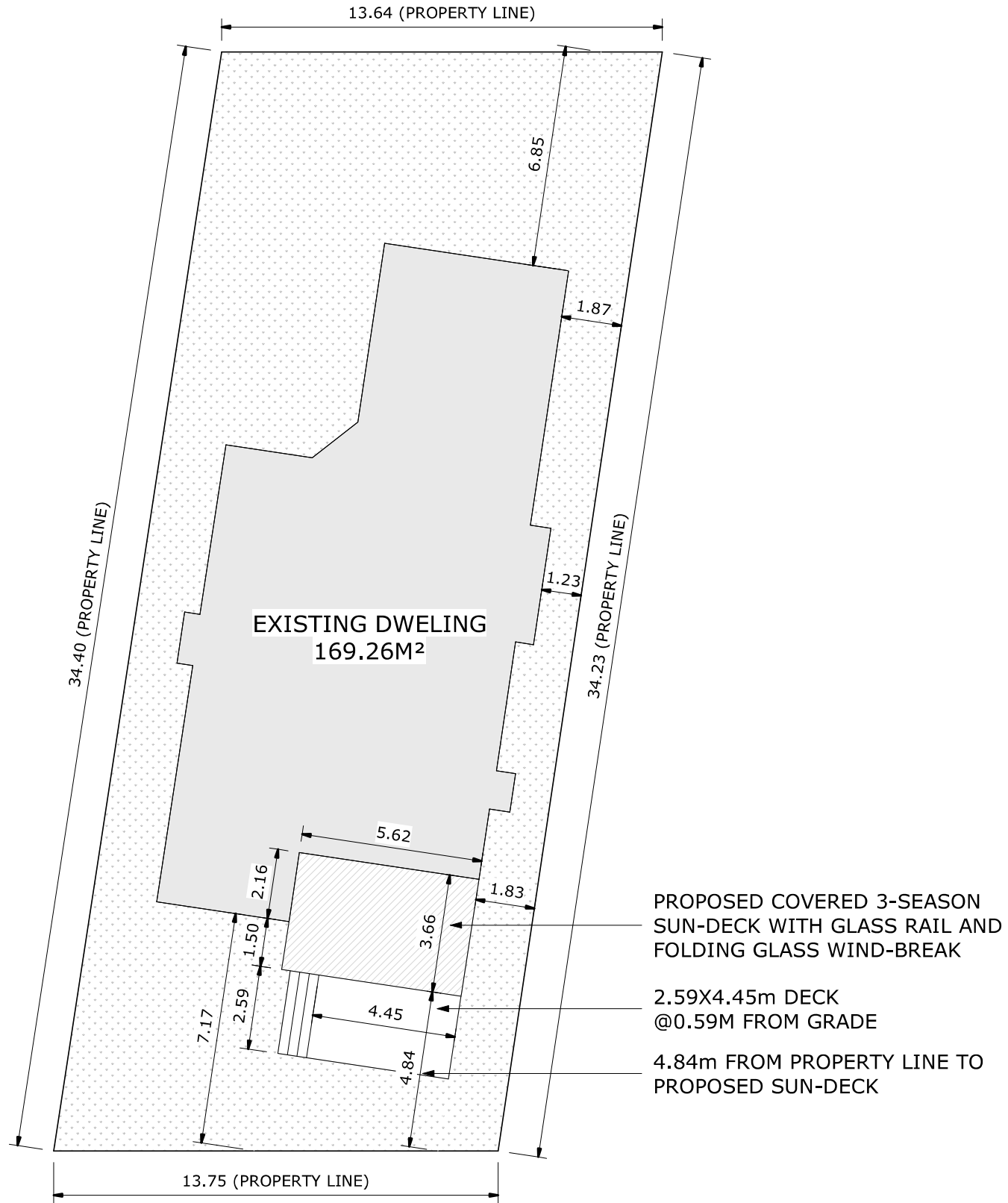
Scale 1 : 20

AREA STATEMENT:

TOTAL LOT AREA	463.39m ²
EXISTING DWELLING FOOTPRINT (EXCLUDING PORCH)	169.26m ²
PROPOSED LUMON PATIO COVER (EXCLUDING OVERHANGS)	20.57m ²
TOTAL LOT COVERAGE (EXCLUDING OVERHANG)	40.97%

SETBACKS:

EXISTING REAR YARD SETBACK	7.17m
PROPOSED REAR YARD SETBACK (EXCLUDING OVERHANG)	4.84m



1 SITE PLAN
1 : 175



600 Zenway Blvd Unit 5
Woodbridge, ON, L4H 3M9
PH: +1 887 707 7427
info.canada@lumon.com



2024-07-03
FOR NEW STRUCTURAL ELEMENTS ONLY

No.	Description	Date
A.00	DRAWING	04/04/2024
B.00	SQUAD CHECK	11/04/2024
C.00	ENGINEER	11/04/2024
C.01	ENGINEER REV.	29/04/2024
C.02	PERMIT REV.	14/05/2024
C.03	PERMIT REV.	02/07/2024

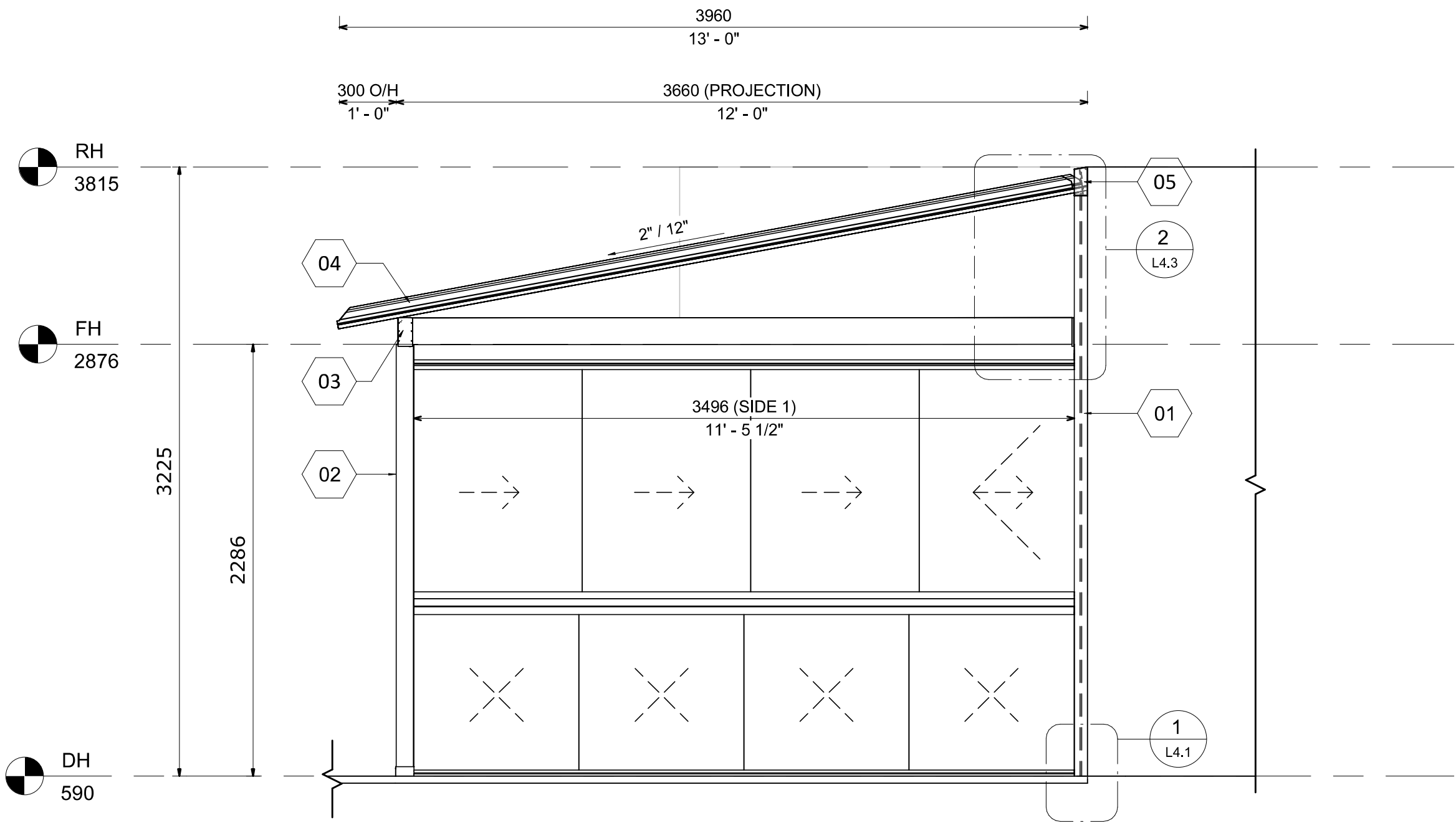
94 Tomlinson Cir, Markham, ON

SITE PLAN

PROJECT NUMBER 50741099

L0.3

Scale As indicated



① EAST ELEVATION
1 : 25

REFER TO MEMBER LEGEND TABLE AT PAGE L0.1 - COVER PAGE FOR ROOFING & ROOF FRAMING COMPONENTS SPECIFICATIONS.

LUMON
 600 Zenway Blvd Unit 5
 Woodbridge, ON, L4H 3M9
 PH: +1 887 707 7427
 info.canada@lumon.com

LICENSED PROFESSIONAL ENGINEER
 S. VANDERVEEN
 100588978
 PROVINCE OF ONTARIO

2024-07-03
 FOR NEW STRUCTURAL ELEMENTS ONLY

REVISION TABLE	
No.	Description
A.00	DRAWING
B.00	SQUAD CHECK
C.00	ENGINEER
C.01	ENGINEER REV.
C.02	PERMIT REV.
C.03	PERMIT REV.

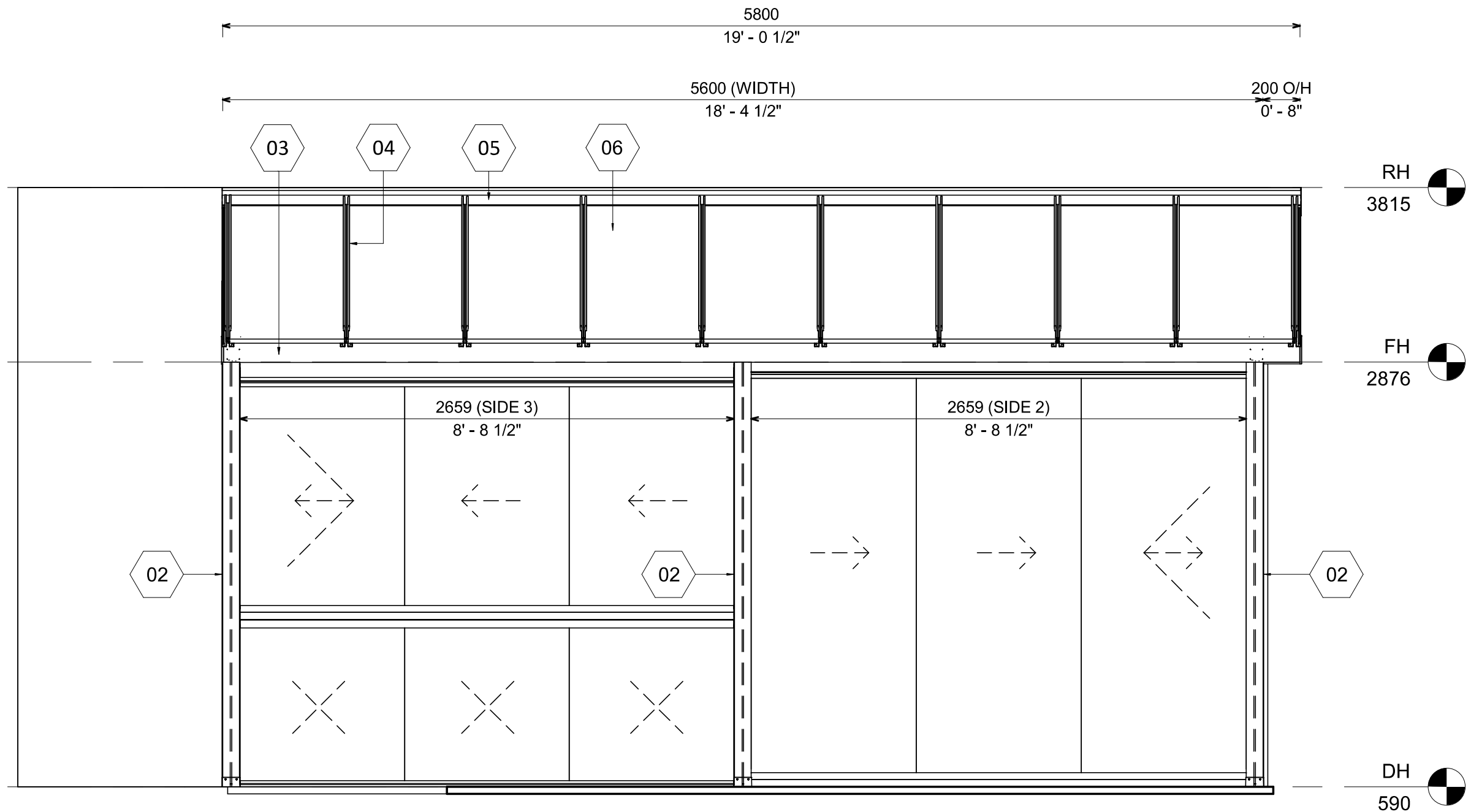
94 Tomlinson Cir, Markham, ON

ELEVATIONS

PROJECT NUMBER 50741099

L2.1

Scale 1 : 25



① SOUTH ELEVATION
1 : 25

REFER TO MEMBER LEGEND TABLE AT PAGE L0.1 - COVER PAGE FOR ROOFING & ROOF FRAMING COMPONENTS SPECIFICATIONS.

LUMON
 600 Zenway Blvd Unit 5
 Woodbridge, ON, L4H 3M9
 PH: +1 887 707 7427
 info.canada@lumon.com

LICENSED PROFESSIONAL ENGINEER
 S. VANDERVEEN
 100588978
 PROVINCE OF ONTARIO
 2024-07-03
 FOR NEW STRUCTURAL ELEMENTS ONLY

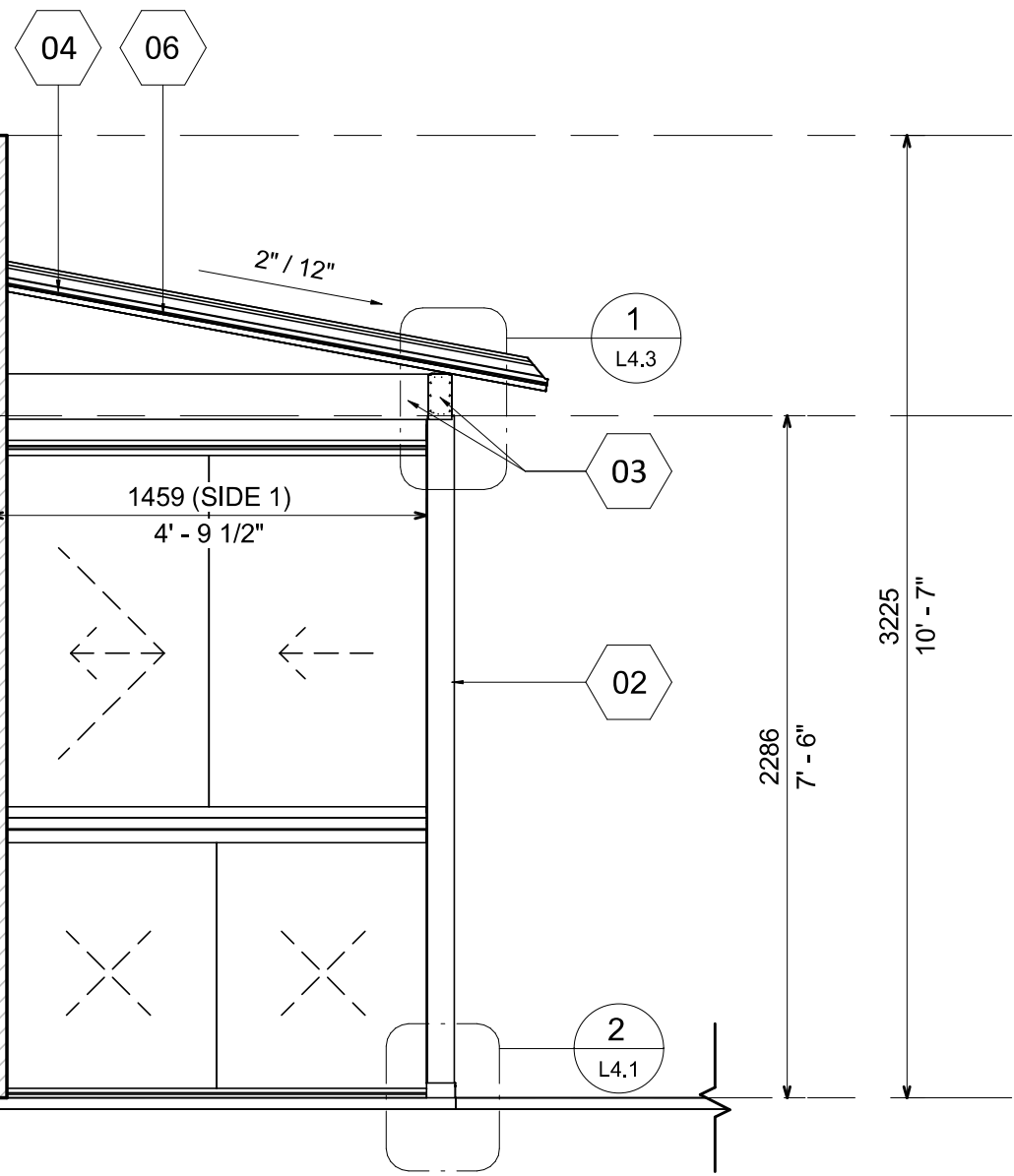
REVISION TABLE	
No.	Description
A.00	DRAWING
B.00	SQUAD CHECK
C.00	ENGINEER
C.01	ENGINEER REV.
C.02	PERMIT REV.
C.03	PERMIT REV.

94 Tomlinson Cir, Markham, ON	
ELEVATIONS	
PROJECT NUMBER	50741099
L2.2	
Scale	1 : 25

RH
3815

FH
2876

DH
590



1 WEST ELEVATION
1 : 25

REFER TO MEMBER LEGEND TABLE AT PAGE
L0.1 - COVER PAGE FOR ROOFING & ROOF
FRAMING COMPONENTS SPECIFICATIONS.



600 Zenway Blvd Unit 5
Woodbridge, ON, L4H 3M9
PH: +1 887 707 7427
info.canada@lumon.com



2024-07-03
FOR NEW STRUCTURAL
ELEMENTS ONLY

REVISION TABLE

No.	Description	Date											
A.00	DRAWING	04/04/2024											
B.00	SQUAD CHECK	11/04/2024											
C.00	ENGINEER	11/04/2024											
C.01	ENGINEER REV.	29/04/2024											
C.02	PERMIT REV.	14/05/2024											
C.03	PERMIT REV.	02/07/2024											

94 Tomlinson Cir, Markham, ON

ELEVATIONS

PROJECT NUMBER 50741099

L2.3

Scale 1 : 25