

**EXISTING ROOF FRAMING PLAN - DEMOLITION**  
SCALE: = 1:50

LEGEND	
MARK	REMARKS
Δ	DENOTES EXISTING SIPOREX AND METAL ROOF DECK TO BE REMOVED

DEMOLITION PROCEDURES	
MARK	REMARKS
1	STARTING ALONG THE EDGE OF THE BUILDING, REMOVE ONE BAY OF EXISTING METAL DECK/SIPOREX ROOF PANELS, LEAVING ONE 1220mm WIDE SECTION EVERY 3650mm ALONG LENGTH OF BUILDING TO BRACE THE EXTERIOR WALL.
2	INSTALL NEW METAL ROOF DECK, AS PER ROOF FRAMING PLAN, BETWEEN THE REMAINING ROOF PANELS.
3	REMOVE REMAINING SIPOREX ROOF PANELS FROM FIRST BAY AND INSTALL NEW METAL ROOF DECK.
4	ALONG INTERIOR OF THE BUILDING, ENTIRE BAY OF SIPOREX PANEL MAY BE REMOVED PRIOR TO INSTALLING NEW STEEL CHANNELS. INSTALL NEW METAL ROOF DECK PRIOR TO MOVING TO NEXT BAY.
5	CONTINUE THIS SEQUENCE OF REMOVING AND REINSTATING ROOF FRAMING FROM ONE END OF THE BUILDING TO THE OTHER. REPEAT STEPS 1-3 WHEN REACHING THE LAST BAY ALONG THE ADGE OF THE BUILDING.
<b>NOTE:</b>	
1. CONTRACTOR SHALL MAKE ALL PROPER PROVISIONS NECESSARY TO ENSURE INTERIOR BUILDING FINISHES ARE NOT DAMAGED DURING CONSTRUCTION.	
2. SHORING MAY BE REMOVED AS NEW METAL DECK IS INSTALLED	
3. CONTRACTOR SHALL PATCH AND MAKE GOOD ALL FINISHES WHERE SHORING TIES INTO THE REMAINING STRUCTURE	

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**Revision Record**

No.	Description	Date (m/d/y)
2	ISSUED FOR TENDER	04/14/26
1	ISSUED FOR BUILDING PERMIT	03/30/26

No.	Description	Date (m/d/y)
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**Issue Record**

**General Notes:**

**LANHACK Steelcon Inc.**  
Consulting Engineers  
1709 Upper James Street  
Hamilton, ON L9B 1K7  
Tel: (905) 777-1454  
Fax: (905) 336-8142

**St. Martin of Tours Catholic Elementary School**

**ROOF ASSEMBLY REPLACEMENT**  
60 GRAYS ROAD  
STONEY CREEK, ONTARIO

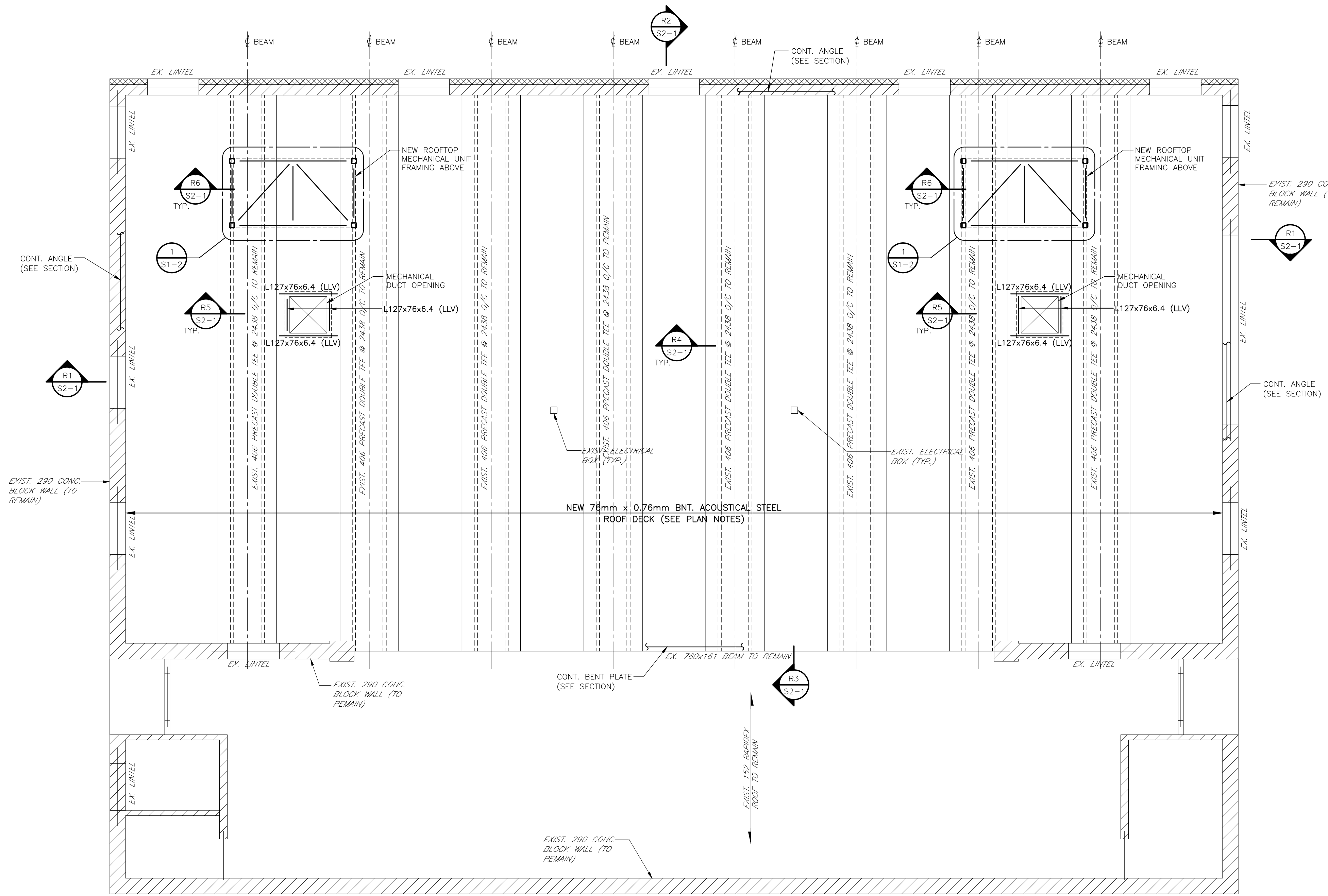
Date: JANUARY 2026  
Drawn By: VE  
Chkd By: MB  
Scale: 1:50  
Drawing title:

**GYMNASIUM DEMOLITION PLAN**

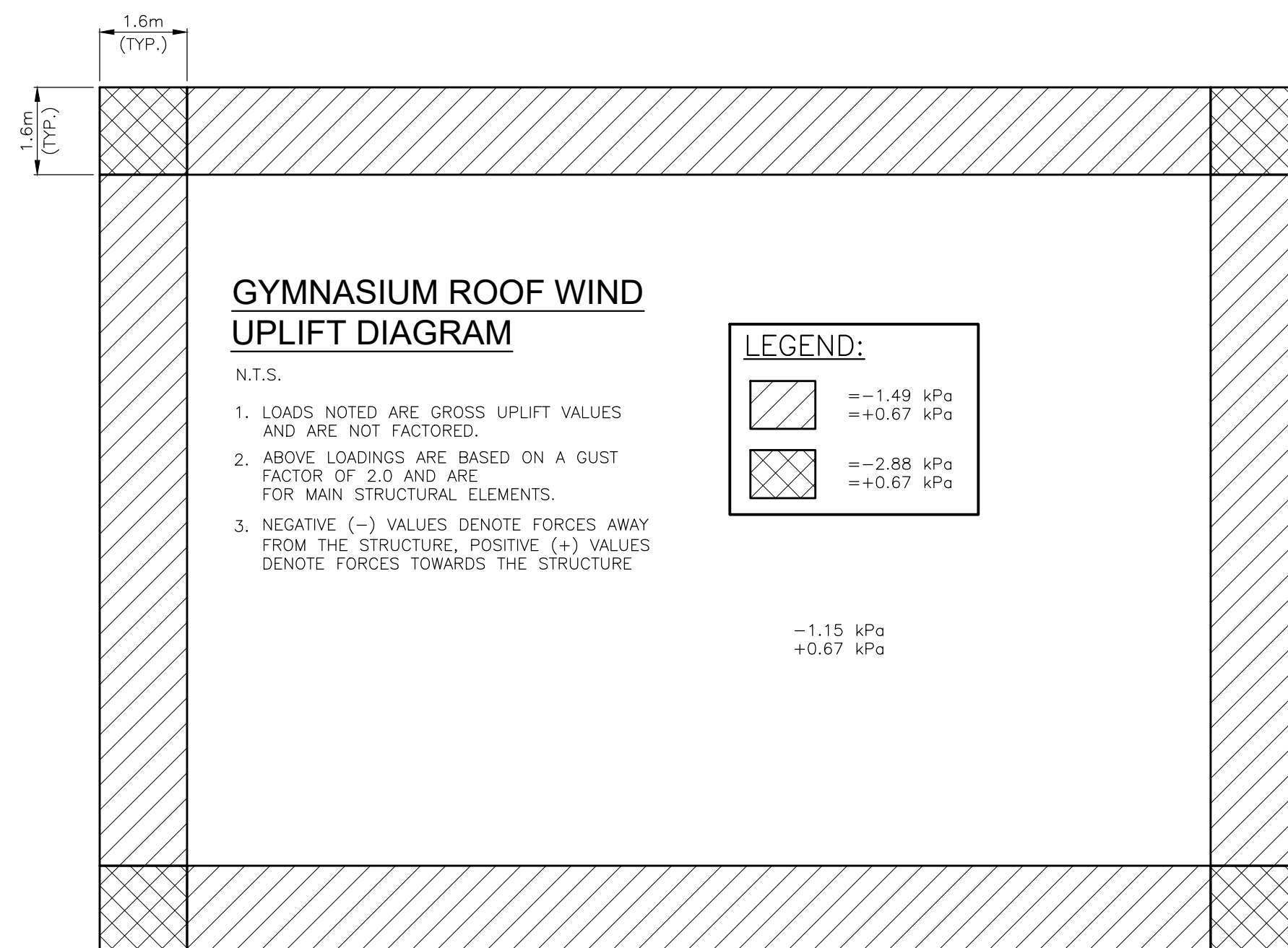
Project No.: 26032(E)	Drawing No.: S1-1	Rev.: 2
Plot Date:		

**GYMNASIUM ROOF FRAMING PLAN NOTES**

- U/S OF ROOF DECK AT HIGH POINTS TO BE 0.00m ABOVE ROOF DATUM ELEVATION 6.01m, UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS. TOD = TOP OF DECK. ELEVATION DATUM TAKEN FROM TOP OF FINISHED GYM FLOOR.
- TOP OF GYM FLOOR TAKEN FROM DATUM AS 0.00m
- ROOF DRAINAGE TO BE ACHIEVED BY TAPERED INSULATION, SEE ARCH. DRAWINGS.
- TOP OF BEAMS TO BE 0.0m BELOW ROOF DATUM ELEVATION, EXCEPT AS SHOWN THUS  $\nabla$  ON PLAN.
- TOTAL SUPERIMPOSED DEAD LOAD AS FOLLOWS:  
GYMNASIUM ROOF = 1.0 kPa
- DEAD LOAD OF FOUR PLY BUILT-UP ROOFING SYSTEM IS ASSUMED TO BE 0.32 kPa UNLESS NOTED OTHERWISE.
- LIVE LOAD IS A UNIFORM LOAD OF 1.84 kPa PLUS ACCUMULATED SNOW LOAD (ASL) IN ACCORDANCE WITH THE ONTARIO BUILDING CODE REQUIREMENTS AND IN NO CASE LESS THAN AS NOTED ON PLAN.
- STEEL ROOF DECK SHALL BE DESIGNED TO SUPPORT SPECIFIED TOTAL DEAD AND LIVE LOADS. MINIMUM BASE NOMINAL THICKNESS (BNT) OF STEEL DECK SHALL BE 0.76mm (22 GA.).
- STEEL ROOF DECK SHALL BE INSTALLED FOR DIAPHRAGM ACTION IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE CANADIAN SHEET STEEL BUILDING INSTITUTE AND SPECIFICATIONS. STEEL DECK TO BE FASTENED AT ALL SUPPORTS W/ MIN. 20mm $\phi$  PUDDLE WELDS (36/9 SUPPORT PATTERN) AND 150 O/C AT PERIMETER. ALL SIDE LAPS TO BE BUTT PUNCHED AT 230 O/C.



**GYMNASIUM ROOF FRAMING PLAN**  
SCALE: = 1:50



**GYMNASIUM ROOF WIND UPLIFT DIAGRAM**

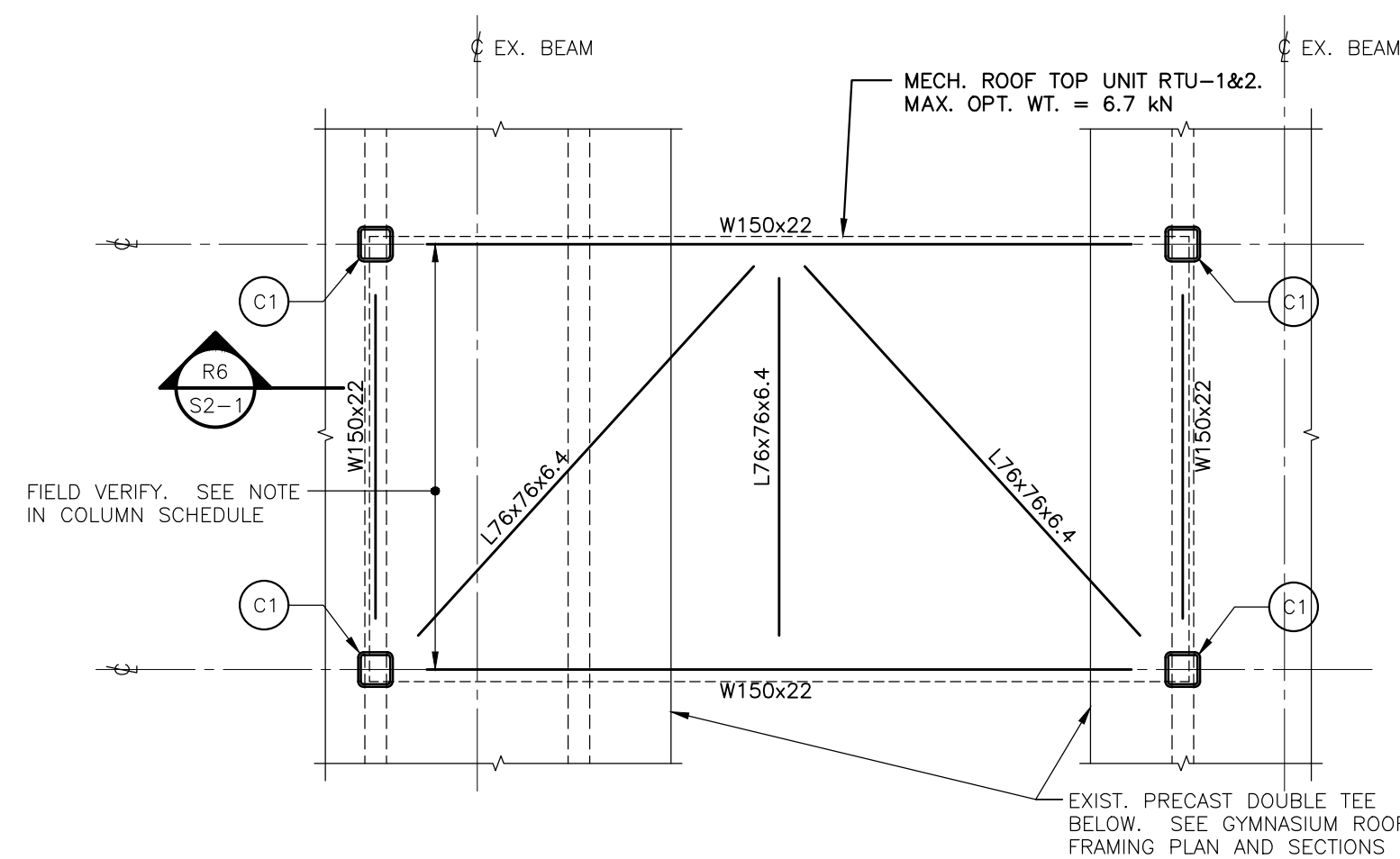
N.T.S.

- LOADS NOTED ARE GROSS UPLIFT VALUES AND ARE NOT FACTORED.
- ABOVE LOADINGS ARE BASED ON A GUST FACTOR OF 2.0 AND ARE FOR MAIN STRUCTURAL ELEMENTS.
- NEGATIVE (-) VALUES DENOTE FORCES AWAY FROM THE STRUCTURE, POSITIVE (+) VALUES DENOTE FORCES TOWARDS THE STRUCTURE

**LEGEND:**

	= -1.49 kPa = +0.67 kPa
	= -2.88 kPa = +0.67 kPa
	= -1.15 kPa = +0.67 kPa

**WIND UPLIFT DIAGRAM**  
SCALE: N.T.S.

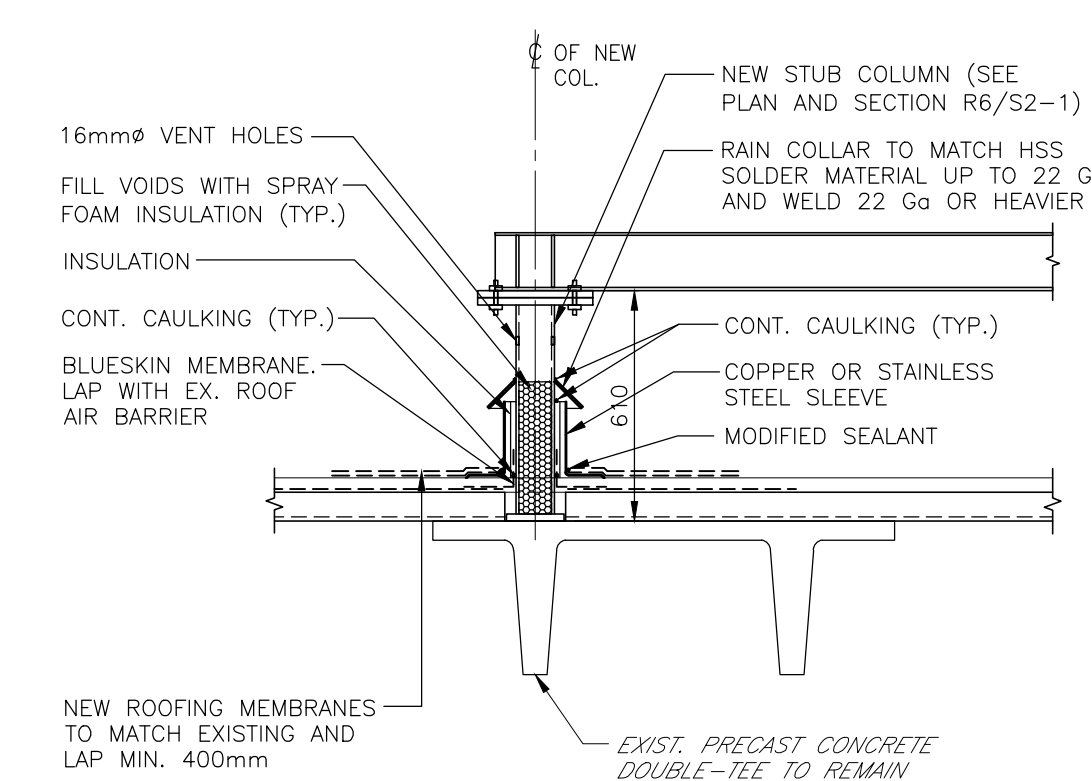


**MECHANICAL UNIT FRAMING PLAN**  
SCALE: = 1:20

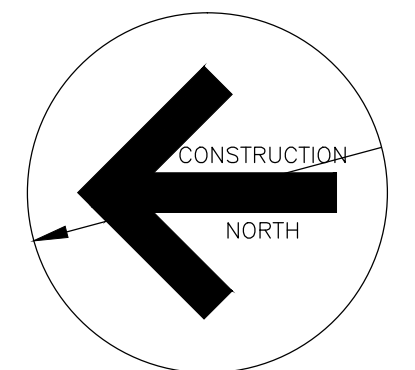
**COLUMN SCHEDULE**

C1	COLUMN: HSS 102x102x6 STUB COLUMN BASE PLATE: 305x19x152 C/W 2-16mm $\phi$ x 203 LG. A. RODS NOTE: COLUMN AND BASEPLATE ARE TO BE PLACED DIRECTLY ON PRECAST CONCRETE TEE. FIELD VERIFY EXISTING CONDITIONS PRIOR TO FABRICATION AND INSTALLATION ← DENOTES NORTH-SOUTH DIRECTION.
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- NOTE: ALL CONNECTIONS OF COLUMNS TO BEAM TO BE FULL WELDS
- NOTE: ALL EXTERIOR AND EXPOSED STEEL TO BE HOT-DIP GALVANIZED
- NOTE: LOCATE STEEL COLUMNS AT CENTRE LINES OF MAIN VERTICAL ELEMENT OF PRECAST TEE'S. ADJUST BEAMS ABOVE TO SUIT MECH. SUPPORT REQUIREMENTS (SEE SECTION R6/S2-1)



**TYPICAL FLASHING AT COLUMN DETAIL**  
SCALE: = 1:20



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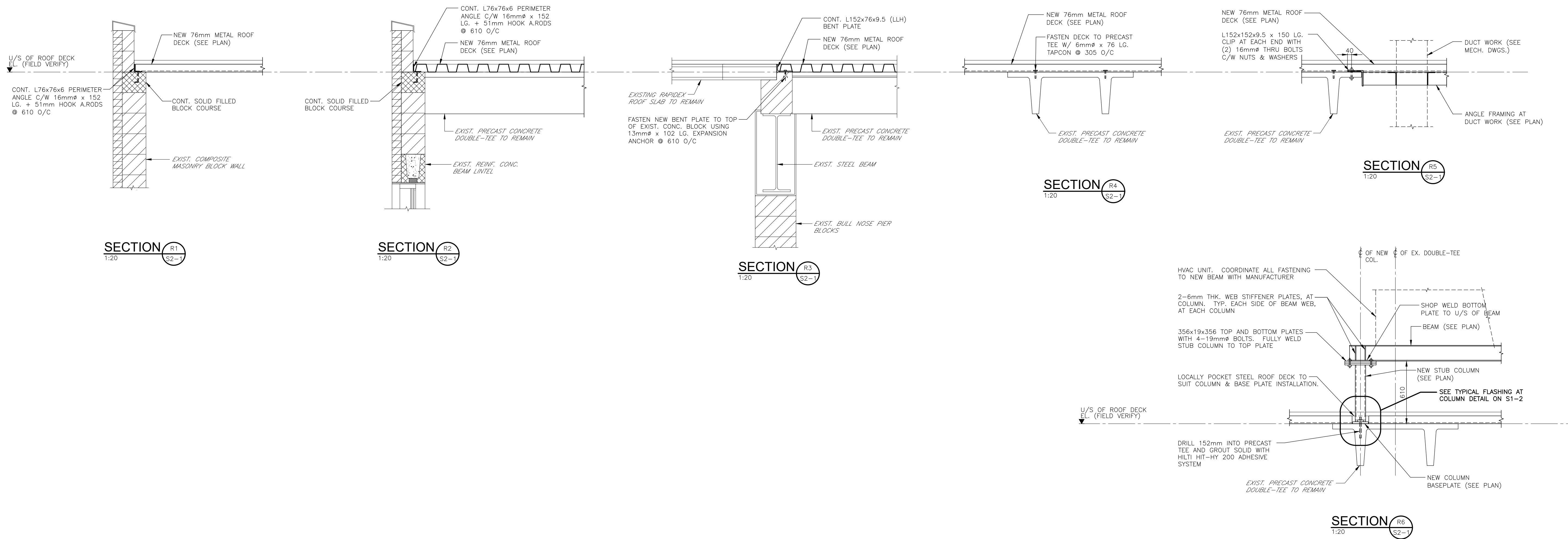
**ROOF ASSEMBLY REPLACEMENT**

60 GRAYS ROAD  
STONEY CREEK, ONTARIO

Date:	JANUARY 2026
Drawn By:	VE
Chkd By:	MB
Scale:	1:50
Drawing title:	

**GYMNASIUM ROOF FRAMING PLAN**

Project No.:	26032(E)	Drawing No.:	S1-2	Rev.:	2
Plot Date:					



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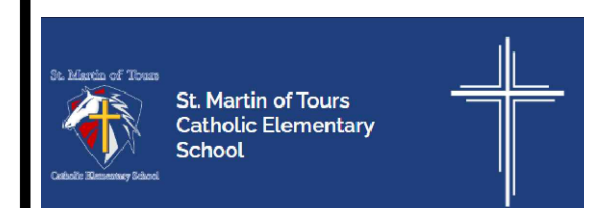
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STONEY CREEK, ONTARIO

Date: JANUARY 2026  
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Chkd By: MB  
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**SECTIONS**

Project No.: 26032(E)	Drawing No.: S2-1	Rev.: 2
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Plot Date:

