

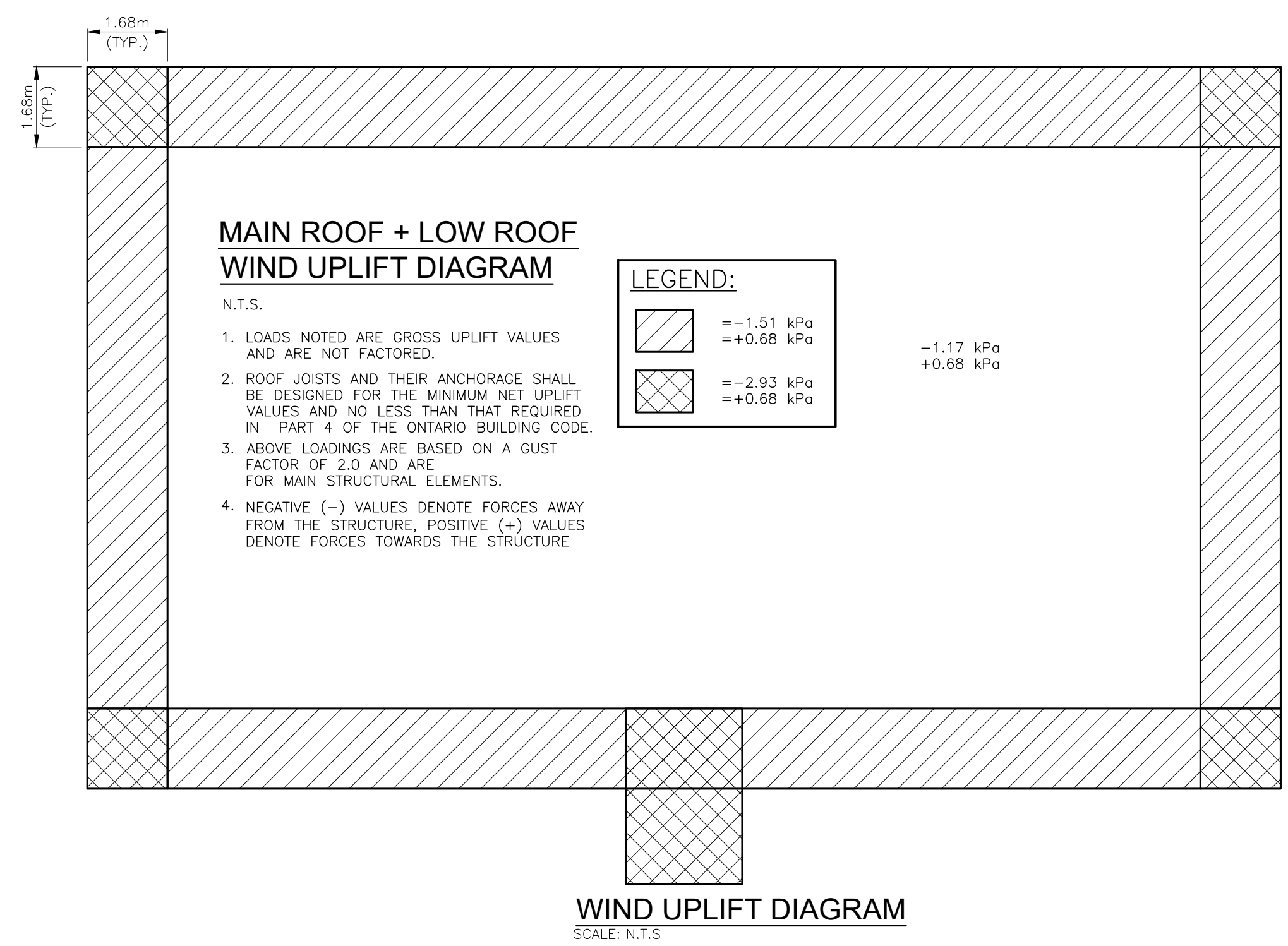
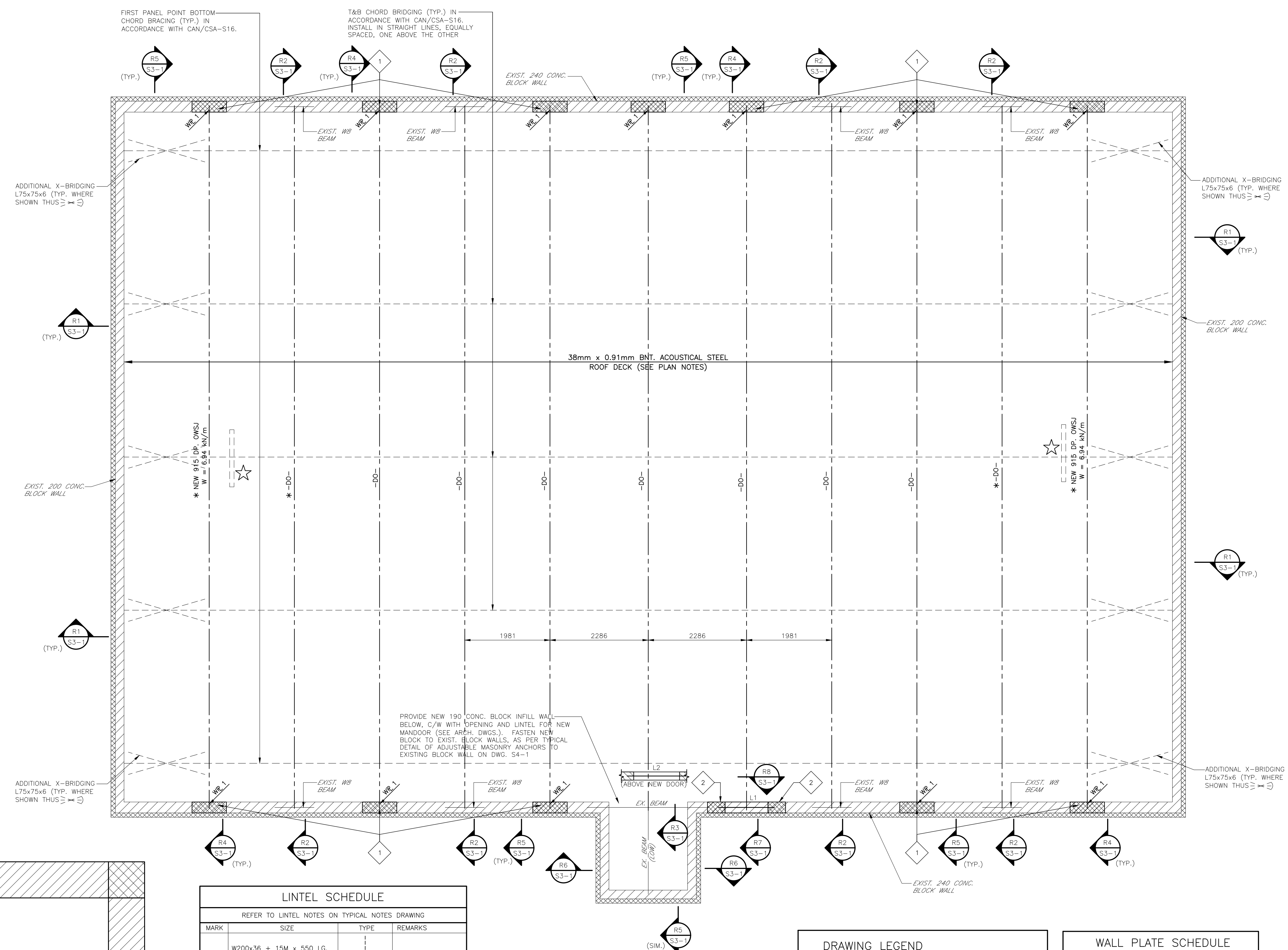


**GYMNASIUM ROOF FRAMING PLAN NOTES**

- U/S OF ROOF DECK AT HIGH POINTS TO BE 0.00m ABOVE ROOF DATUM ELEVATION 6.65m, UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS. ELEVATION DATUM TAKEN FROM TOP OF FINISHED GYM FLOOR.
- TOP OF GYM FLOOR TAKEN FROM DATUM AS 0.00m
- ROOF DECK TO SLOPE TO DRAINS AS SHOWN ON ARCHITECTURAL DRAWINGS.
- TOP OF STEEL BEAMS TO BE 0.0m BELOW ROOF DATUM ELEVATION, EXCEPT AS SHOWN THUS  $\nabla$  ON PLAN.
- OWSJ SHOES TO BE 100mm DEEP UNLESS NOTED OTHERWISE.
- TOTAL DEAD LOAD AS FOLLOWS:  
GYMNASIUM ROOF (OWSJ) = 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.
- STEEL JOISTS SHALL BE DESIGNED TO SUPPORT SPECIFIED TOTAL DEAD AND LIVE LOADS. IN ADDITION, JOISTS SHALL BE DESIGNED FOR ADDITIONAL LOADS SHOWN ON PLAN, AND FOR POINT LOADS OF BRACING MECHANICAL EQUIPMENT, IN EXCESS OF 0.66 kN PER JOIST.
- JOISTS AND BEARING ANCHORAGE SHALL BE DESIGNED TO RESIST UPLIFT DUE TO WIND AS REQUIRED BY THE ONTARIO BUILDING CODE AND IN NO CASE LESS THAN THE GREATER OF THOSE INDICATED ON PLAN OR 0.48 kPa NET UPLIFT.
- JOISTS SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER. SHOP DRAWINGS AND CALCULATIONS BEARING THE STAMP AND SIGNATURE OF THE PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION AND ERECTION.
- PROVIDE CONTINUOUS TOP AND BOTTOM CHORD BRIDGING FOR JOISTS IN ACCORDANCE WITH CAN3-S16.1M AND IN NO CASE LESS THAN AS SHOWN ON PLAN.
- PROVIDE BOTTOM CHORD BRACING FOR ALL JOISTS SUBJECT TO NET UPLIFT IN ACCORDANCE WITH CAN3-CSA-S16.1 AND AT LEAST AT EACH END OF JOISTS NEAR THE FIRST BOTTOM CHORD PANEL POINT. BRIDGING CANNOT BE CONSIDERED AS BRACING.
- LIVE LOAD DEFLECTION OF ROOF JOIST SHALL NOT EXCEED 1/360 OF SPAN, EXCEPT JOISTS MARKED THUS \* ON PLAN SHALL HAVE A MAXIMUM LIVE LOAD DEFLECTION OF 12mm.
- \* W NOTED AGAINST OWSJ INCLUDES TOTAL SERVICE LIVE AND DEAD LOADS IN KILONEWTONS PER LINEAL METRE, INCLUDING ASSUMED JOIST SELF WEIGHT AND EXCLUDING ALL ACCUMULATED SNOW LOADS.
- GROUT IN MASONRY WALLS TO BE EITHER "CONCRETE" OR "GROUT" WITH A MIN. COMPRESSIVE STRENGTH OF 20 MPa U.N.O. MORTAR IS UNACCEPTABLE.
- ALL ROOF TRUSSES SHALL BE DESIGNED FOR THE EFFECTS OF PONDING IN ACCORDANCE WITH THE ONTARIO BUILDING CODE.
- OWSJ OVER GYMNASIUM TO BE A MODIFIED WARREN CONFIGURATION WITH A VERTICAL WEB MEMBER, SYMMETRICAL ABOUT THE CENTRELINE WITH DIAGONAL AND VERTICAL MEMBERS FABRICATED FROM RECTANGULAR OR SQUARE SECTIONS OF UNIFORM APPEARANCE. ALL WEB MEMBERS ARE TO LINE UP. ALL CONNECTIONS TO BE NEAT AND UNIFORM. ALL WORK TO BE DONE TO THE SATISFACTION OF THE ARCHITECT.

FIRST PANEL POINT BOTTOM CHORD BRACING (TYP.) IN ACCORDANCE WITH CAN/CSA-S16.

T&B CHORD BRIDGING (TYP.) IN ACCORDANCE WITH CAN/CSA-S16. INSTALL IN STRAIGHT LINES, EQUALLY SPACED, ONE ABOVE THE OTHER



**LINTEL SCHEDULE**

REFER TO LINTEL NOTES ON TYPICAL NOTES DRAWING

MARK	SIZE	TYPE	REMARKS
L1	W200x36 + 15M x 550 LG. DWLS. @ 600 O/C TOP (MIN. OF 3)		W@2 AT EACH END
L2	2Ls-90x90x6		150 BEARING (MIN.) EACH END

NOTE: ALL EXTERIOR EXPOSED LINTELS TO BE HOT-DIP GALVANIZED

**DRAWING LEGEND**

1 LOCALLY POCKET EXIST. WALL A MIN. OF 800 LG. x WIDTH OF WALL. GROUT SOLID VOIDS OF BLOCK DIRECTLY BELOW JOIST. INSTALL NEW WALL PLATE FOR BEARING OF NEW JOIST. GROUT/PACK SOLID AND MAKE GOOD FINISH TO MATCH EXIST., ONCE NEW WORK IS COMPLETE

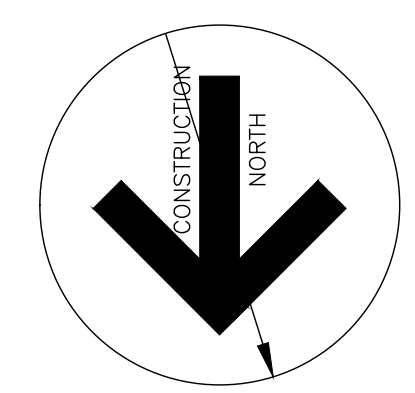
2 FILL SOLID EXIST. VOID BLOCK CELLS BELOW BEAM BEARING. FILL BLOCK CELLS A MIN. OF 400mm WIDE x 2 BLOCK COURSES DEEP

**WALL PLATE SCHEDULE**

MARK	SIZE	REMARKS
WP 1	250x16x175	C/W 2-12.7mm $\phi$ x 300 LG. HOOKED ANCHOR RODS
WP 2	175x16x175	C/W 2-12.7mm $\phi$ x 300 LG. HOOKED ANCHOR RODS

LAST DIMENSION PARALLEL TO JOIST

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



Contractor must verify all dimensions on the Project Site and report any discrepancies before proceeding with the Work.

This drawing is a part of the Contract Documents and is to be read in conjunction with all other Contract Documents.

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**Revision Record**

No.	Description	Date (m/d/y)
B	ISSUED FOR TENDER	MAY 01 26
A	ISSUED FOR BUILDING PERMIT	APR 17 26

**Issue Record**

No.	Description	Date (m/d/y)
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**General Notes:**

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**ROOF ASSEMBLY REPLACEMENT**  
315 EAST 37th STREET  
HAMILTON, ONTARIO

Date: MARCH 2026  
Drawn By: VE  
Chkd By: MB  
Scale: 1:50  
Drawing Title: GYMNASIUM ROOF FRAMING PLAN

Project No.: 26032(C)	Drawing No.: S2-1	Rev.: B
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Plot Date:



