

LIST OF STRUCTURAL DRAWINGS

S 1.0 - MAIN ARENA PLAN VIEW & SECTIONS
S 1.1 - MAIN ARENA ROOF DETAILS

THE DRAWINGS SHOW THE COMPLETED PROJECT. THEY DO NOT INCLUDE PROVISIONS THAT MAY BE REQUIRED FOR CONSTRUCTION AND SAFETY. THE CONTRACTOR IS RESPONSIBLE FOR JOB SITE SAFETY AND ALL CONSTRUCTION PROCEDURES USED IN CARRYING OUT THE WORKS, INCLUDING THE REQUISITE ENGINEERING AND DESIGN OF TEMPORARY STRUCTURES, FORMWORK, SHORING, ETC.

ONLY DRAWINGS DESIGNATED "ISSUED FOR CONSTRUCTION" IN THE REVISION COLUMN ARE TO BE USED FOR CONSTRUCTION PURPOSES.

GENERAL NOTES

1. THESE DOCUMENTS REPRESENT THE STRUCTURAL DESIGN ONLY. IT IS NOT THE ENGINEER'S RESPONSIBILITY TO DETERMINE ANY LOCATIONS ON SITE. IT IS THE SOLE RESPONSIBILITY OF THE LEGAL LAND SURVEYOR. ANY REFERENCE TO LOT LINES ARE FOR DISPLAY PURPOSES ONLY. IT IS THE OWNER'S SOLE RESPONSIBILITY TO CONFIRM APPROPRIATE SETBACKS OR TO CONFIRM WHETHER THERE IS A STATUTORY BUILDING SCHEME OR OTHER CHANGE ON TITLE TO THE LAND THAT IN ANY WAY RESTRICT CONSTRUCTION ON, OR USE OF THE LAND.
2. THESE DRAWINGS ARE TO BE HELD TO DETERMINE THE GENERAL CHARACTER AND QUALITY OF THE WORK, AS WELL AS DETAILS OF THE SAME. PARTS NOT DETAILED SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE BEST PRACTICE OF WORK OF THIS CLASS, SO AS TO AFFORD THE REQUIRED STRENGTH AND QUALITY OF THE DESIGN TO LOGICALLY COMPLETE THE PARTS THEY COMPOSE.
3. ALL NECESSARY FIRE, THEFT AND LIABILITY INSURANCE (INCLUDING WCB) SHALL BE PROVIDED BY THE CONTRACTOR, AND SHALL BE ACCOUNTED FOR.
4. ALL WORK IS TO BE INSPECTED BY AND COMPLETED TO THE SATISFACTION OF THE ENGINEER. FAILURE TO NOTIFY FOR INSPECTION OR FAILURE TO RECTIFY UNSATISFACTORY WORK WILL RESULT IN WRITTEN NOTICE TO THE BUILDING INSPECTOR OF TERMINATION OF CONSTRUCTION SUPERVISION BY THE ENGINEER FOR THIS PROJECT.
5. INSPECTION BY OTHERS; INSPECTION OF PRODUCTS AND COMPONENTS REQUIRING SEALED SHOP OR PRODUCT DRAWINGS ARE TO BE COMPLETED UNDER THE DIRECTION AND TO THE SATISFACTION OF THE SEALING PROFESSIONAL.
6. THE OWNER SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR CONSTRUCTION.
7. QUALITY OF CONSTRUCTION AND MATERIALS USED SHALL GENERALLY CONFIRM TO THE BRITISH COLUMBIA BUILDING CODE, LATEST EDITION, OR THE REQUIREMENTS OF THE LOCAL AUTHORITIES HAVING JURISDICTION, OR AS OTHERWISE SHOWN ON THE DRAWINGS, WHICHEVER IS MOST RESTRICTIVE.
8. CHECK ALL NOTES AND DIMENSIONS ON SITE BEFORE COMMENCING ANY WORK. REPORT ANY DISCREPANCIES BETWEEN STRUCTURAL AND OTHER DISCIPLINE DRAWINGS FOR CLARIFICATION.
9. WHERE ANY DOUBT EXISTS AS TO THE EXTENT OR INTENT OF THE WORK, THE CONTRACTOR SHALL SEEK CLARIFICATION FROM THE OWNER OR PROJECT ENGINEER.
10. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION. WHEN SUBMITTING SHOP DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF CHANGES MADE THEREIN FROM THE CONTRACT DRAWINGS OR SPECIFICATIONS. THE CONTRACTOR SHALL MAKE ANY CHANGES IN THE SHOP DRAWINGS WHICH THE ENGINEER MAY REQUIRE, CONSISTENT WITH THE CONTRACT AND SHALL SUBMIT THE REVISED PRINTS TO THE ENGINEER FOR REVIEW.
11. THE ENGINEER'S REVIEW OF SHOP DRAWING OR THE REVISED DRAWINGS SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR ERRORS MADE BY THE CONTRACTOR THEREIN, OR FOR CHANGES MADE FROM THE CONTRACT DRAWINGS OR SPECIFICATIONS NOT COVERED BY THE CONTRACTOR'S WRITTEN NOTIFICATIONS TO THE ENGINEER.
12. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY MATERIALS WHICH, IN THEIR OPINION, ARE DEFECTIVE, FAULTY, OR IN ANY WAY DO NOT CONFORM TO THE DRAWINGS OR SPECIFICATIONS. THE CONTRACTOR MUST BEAR THE FULL COST OF REPLACING SUCH DEFECTIVE MATERIALS WITHOUT AN EXTRA CHARGE.

DESIGN LOADS

LOCATION: NAKUSP, BC
BUILDING IMPORTANCE: HIGH $I_s = 1.15$

1. GROUND SNOW LOAD:	92 PSF
2. ROOF DESIGN SNOW LOAD:	87 PSF
3. ROOF DEAD LOAD:	15 PSF
4. LIVE LOAD DEFLECTION OF ROOF:	L/240
5. 1/50 WIND LOAD:	
6. NET WIND ROOF UPLIFT:	20 PSF

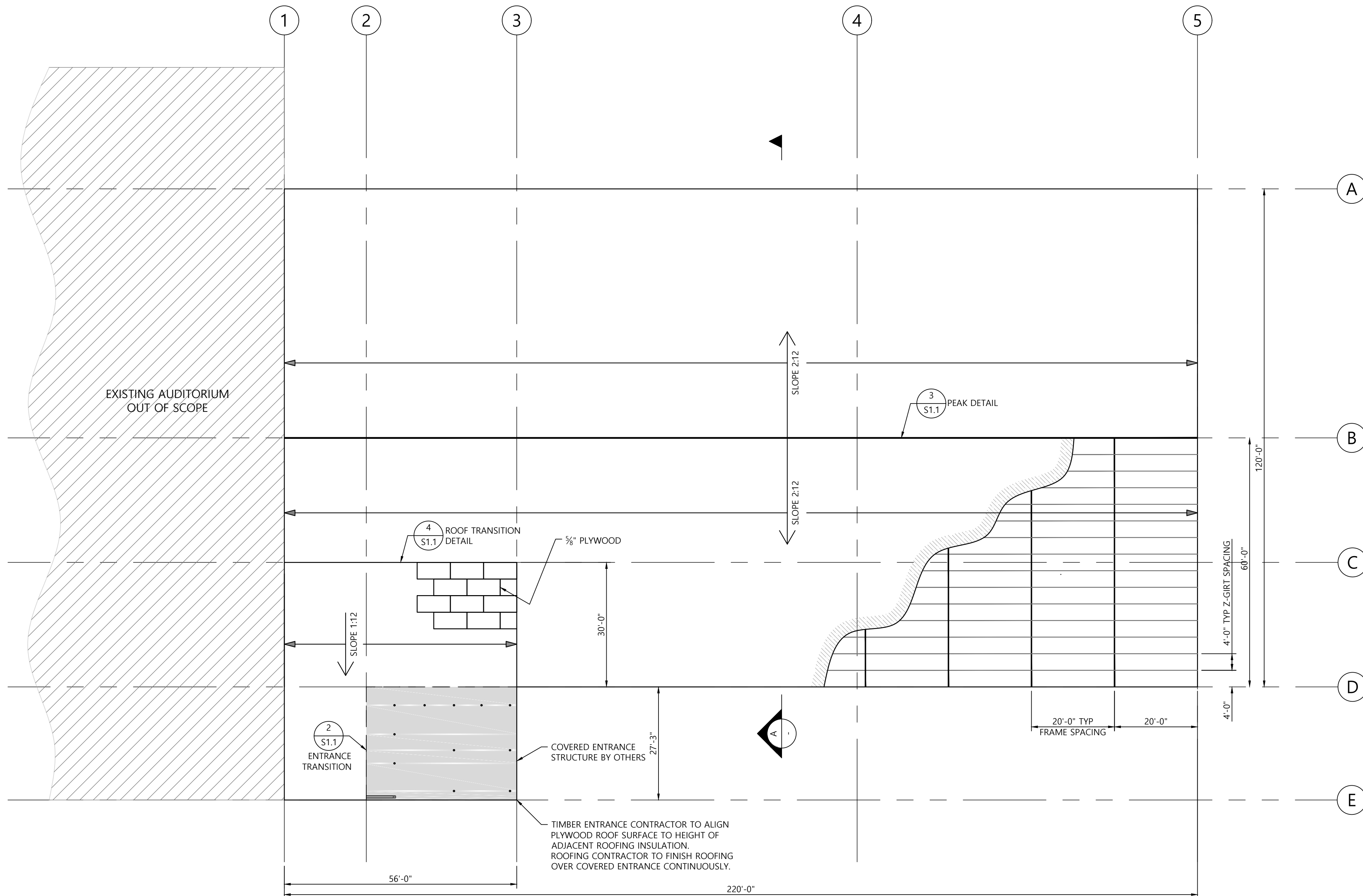
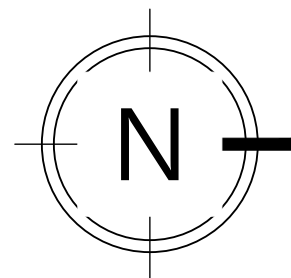
THE EXISTING STRUCTURE HAS AN ESTIMATED DESIGN SNOW LOAD OF 50 PSF, BASED ON A SNOW DENSITY OF 300kg/m³ (19lb/ft³). A MAXIMUM SNOW HEIGHT OF 2'-8" IS PERMITTED. A SNOW MONITORING / REMOVAL PROCEDURE MUST BE IN PLACE. FAILURE TO REMOVE SNOW PRIOR TO EXCEEDING MAX SNOW HEIGHT MAY RESULT IN CATASTROPHIC FAILURE. MACLEOD 9 ASSUMES NO LIABILITY ON THE CAPACITY OF THE EXISTING STRUCTURE. THE VILLAGE OF NAKUSP BEARS FULL RESPONSIBILITY FOR THE SAFETY & USE OF THEIR BUILDING.

REFERENCE STANDARDS

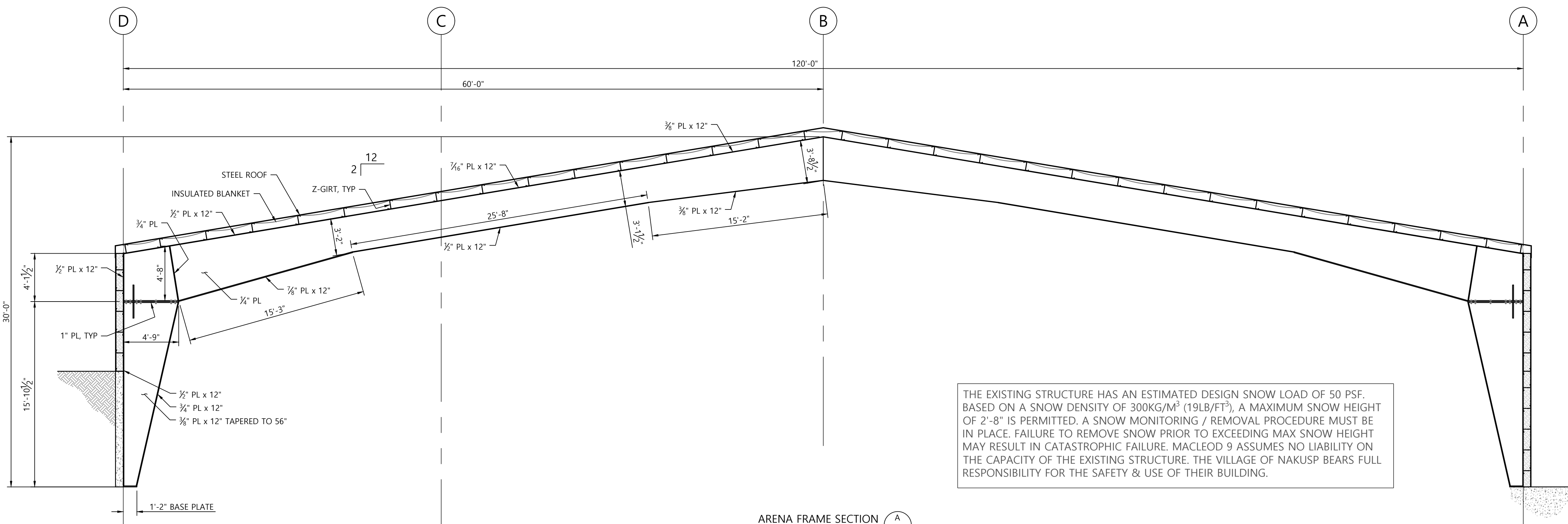
1. BRITISH COLUMBIA BUILDING CODE, 2012 (BCBC) AND DOCUMENTS DESIGNATED IN TABLE 1.3.1.2 THEREIN.

METAL FABRICATION

1. ALL WELDING WORK TO CSA W59-03, UNLESS NOTED OTHERWISE.
2. MATERIALS; UNLESS NOTED OTHERWISE, PROVIDE:
 - a. STEEL SECTIONS AND PLATES TO CSA G40.21-04 350W
 - b. WELDING MATERIALS TO CSA W59-03.
 - c. GALVANIZING: HOT DIPPED GALVANIZING WITH MINIMUM ZINC COATING OF 600 G/M TO CSA G164-M92.
 - d. GALVANIZED PRIMER: ZINC RICH READY MIX TO CGSB 1-GP-181B.
 - e. SHOP PRIMER TO CGSB 1-GP-40D.
 - f. SULPHUR: COMMERCIAL GRADE SETTING METAL POST.
3. EXPOSED WELDS TO BE CONTINUOUS FOR LENGTH OF JOINT. FILE OR GRIND EXPOSED WELDS SMOOTH AND FLUSH.
4. APPLY (1) SHOP COAT OF PRIMER TO METAL ITEMS, EXCEPT FOR STAINLESS STEEL, ALUMINIUM, GALVANIZED, AND ITEMS TO BE ENCASED IN CONCRETE.
5. FINAL FINISH AS PER ARCHITECTURAL REQUIREMENTS OR OWNERS SPECIFICATIONS.



PLAN VIEW
1/16"=1'-0"



ARENA FRAME SECTION A-A
3/16"=1'-0"

THE EXISTING STRUCTURE HAS AN ESTIMATED DESIGN SNOW LOAD OF 50 PSF, BASED ON A SNOW DENSITY OF 300KG/M³ (19LB/FT³). A MAXIMUM SNOW HEIGHT OF 2'-8" IS PERMITTED. A SNOW MONITORING / REMOVAL PROCEDURE MUST BE IN PLACE. FAILURE TO REMOVE SNOW PRIOR TO EXCEEDING MAX SNOW HEIGHT MAY RESULT IN CATASTROPHIC FAILURE. MACLEOD 9 ASSUMES NO LIABILITY ON THE CAPACITY OF THE EXISTING STRUCTURE. THE VILLAGE OF NAKUSP BEARS FULL RESPONSIBILITY FOR THE SAFETY & USE OF THEIR BUILDING.

REFERENCE DRAWINGS:
REV TITLE
0 STUDIO 9 ARCHITECTURAL - ISSUED FOR TENDER

APPENDIX I



160704 CM AM Issued for Tender 0
DATE DRN APP ISSUE REV

ISSUED FOR TENDER

Client
Village of Nakusp
Box 280
Nakusp, BC V0G 1R0

Project
Nakusp Sports Complex
Roof Repair
8th Ave NW, Nakusp

Drawing
Main Arena
Plan View & Section

Project Number
15-108

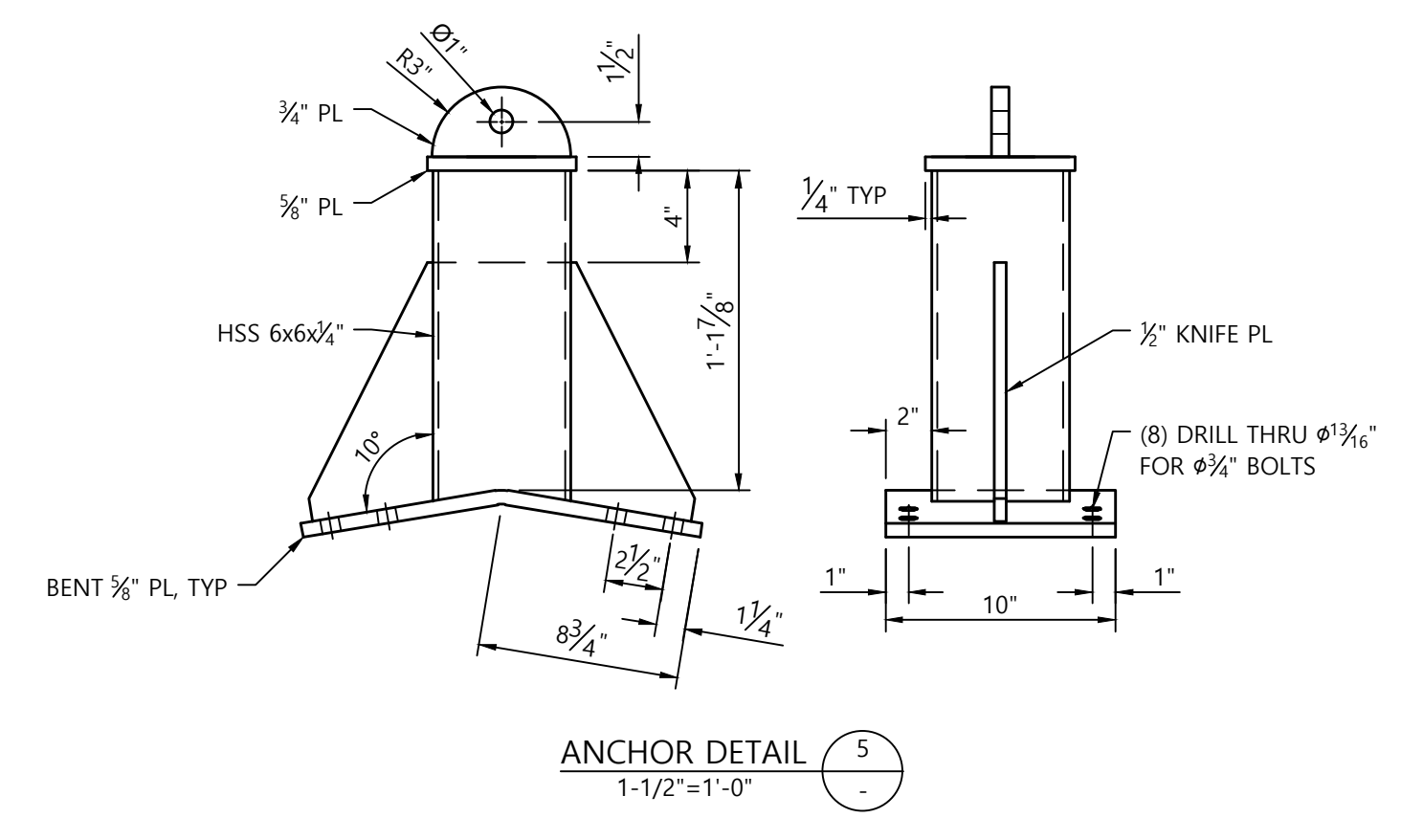
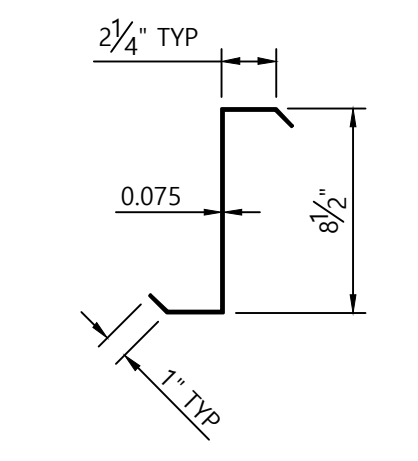
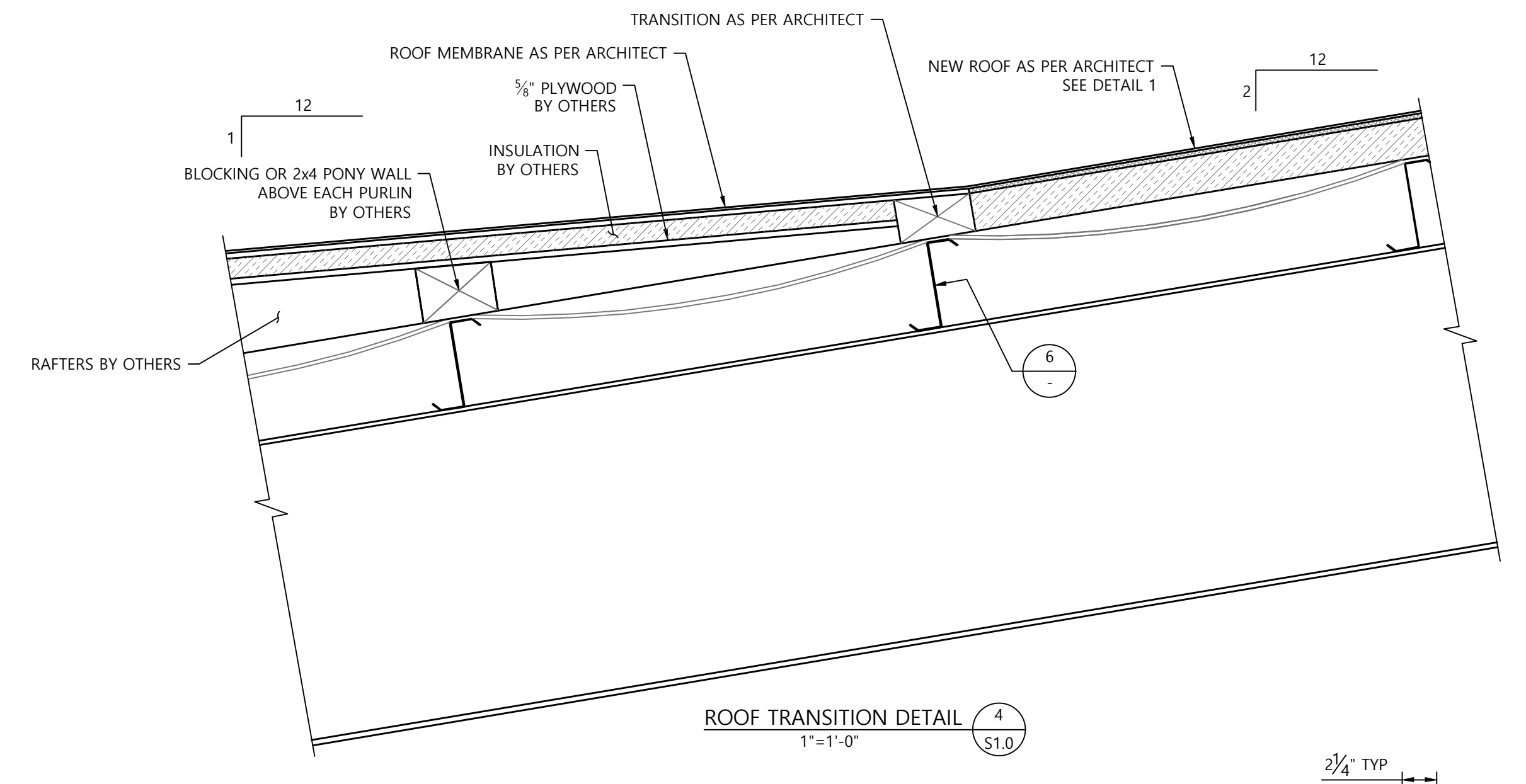
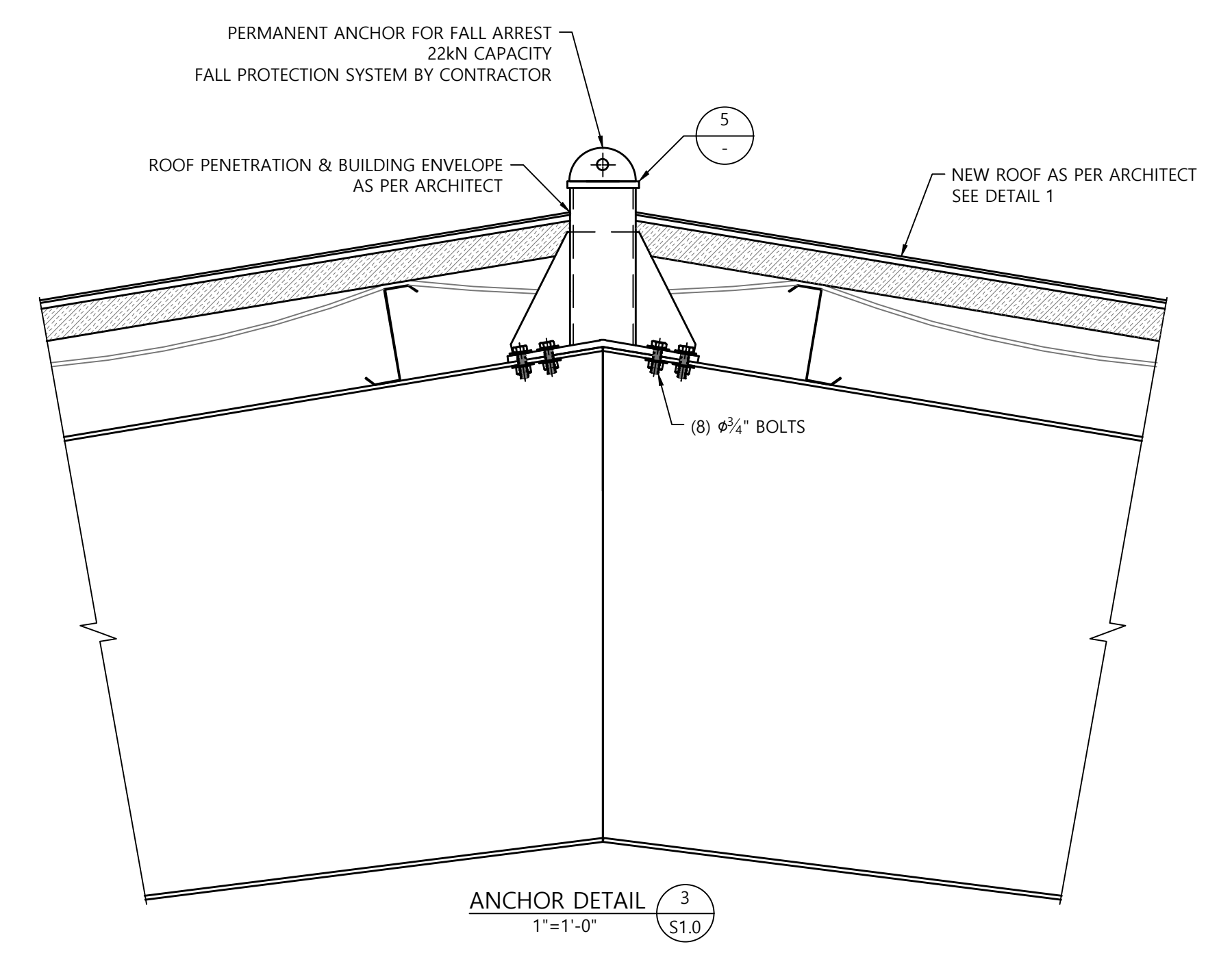
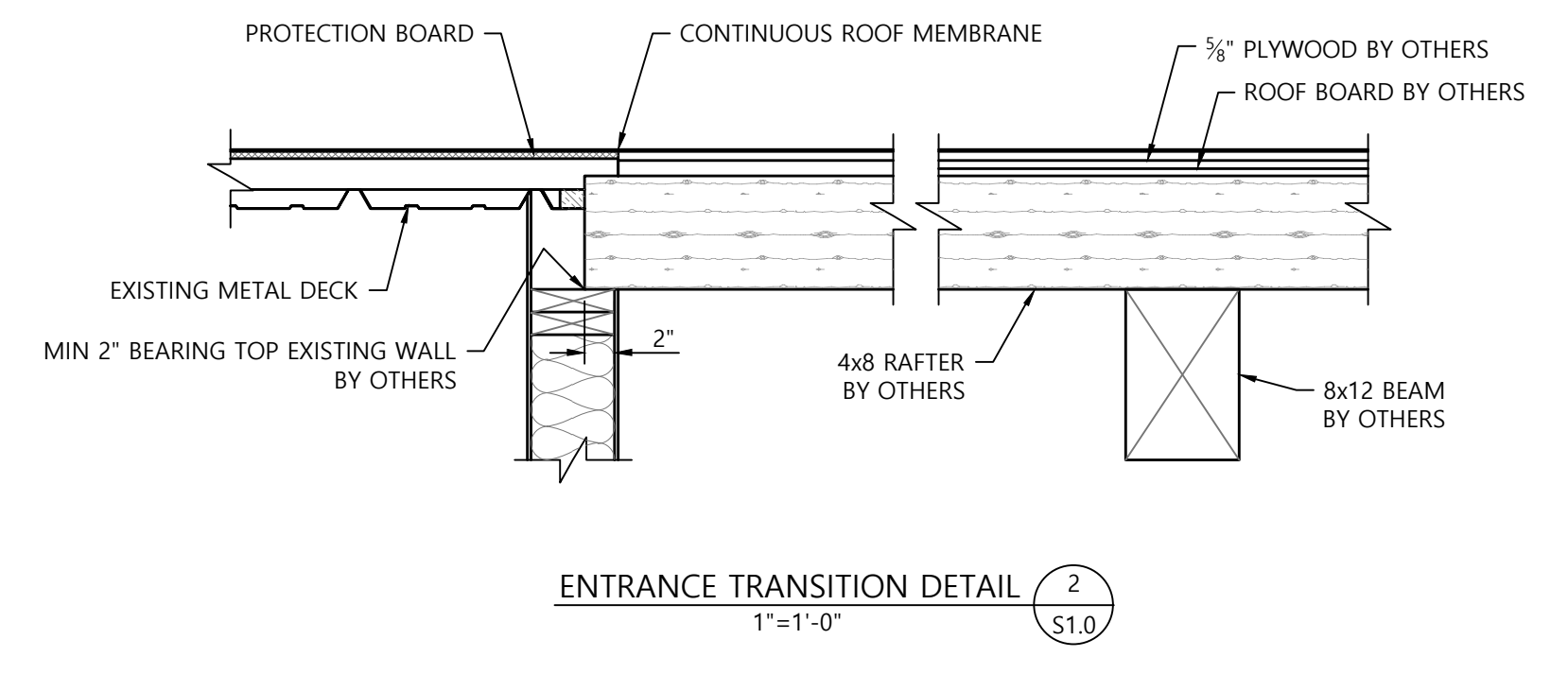
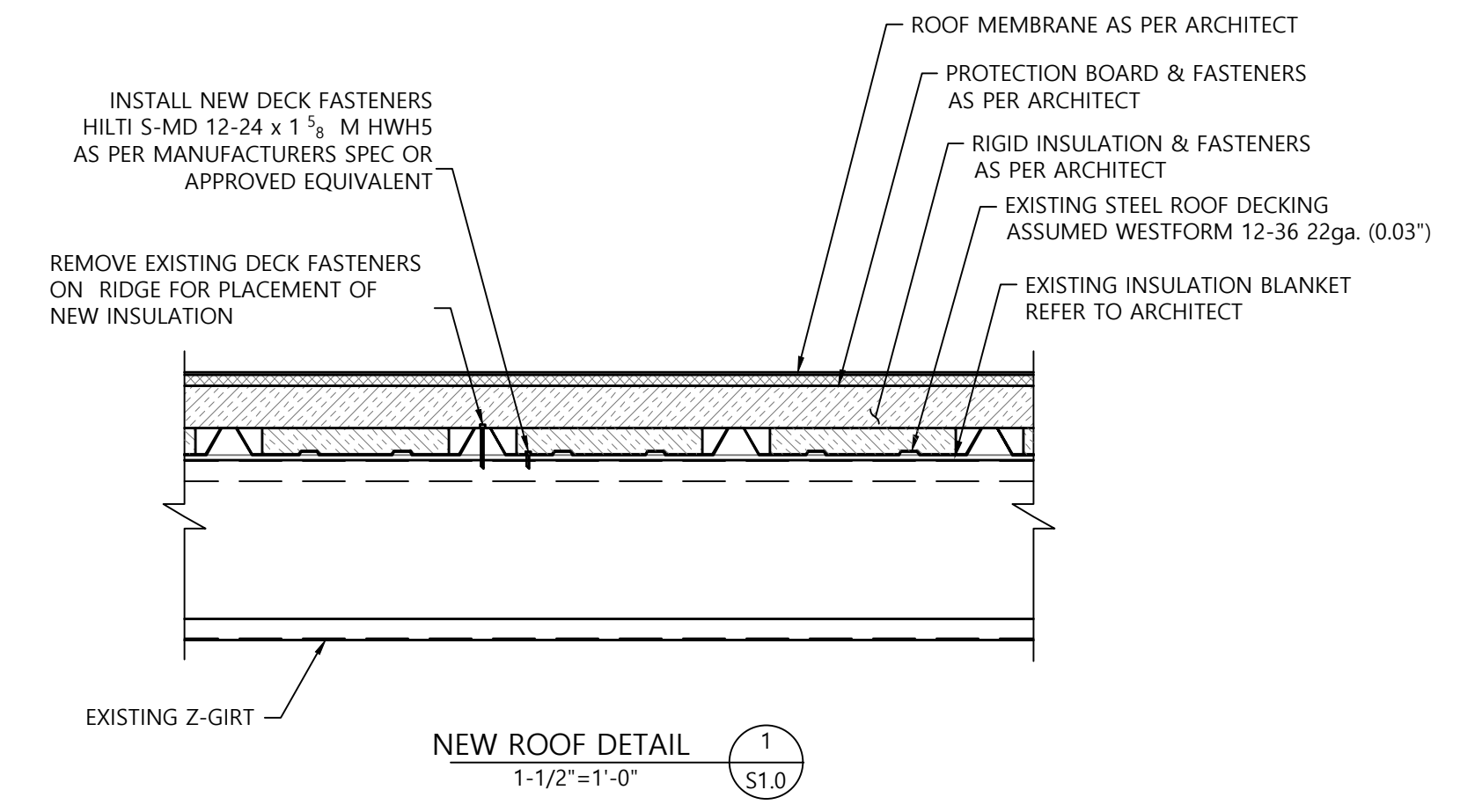
Drawing Number
S 1.0

Revision
0



THE EXISTING STRUCTURE HAS AN ESTIMATED DESIGN SNOW LOAD OF 50 PSF. BASED ON A SNOW DENSITY OF 300KG/M³ (19LB/FT³), A MAXIMUM SNOW HEIGHT OF 2'-8" IS PERMITTED. A SNOW MONITORING / REMOVAL PROCEDURE MUST BE IN PLACE. FAILURE TO REMOVE SNOW PRIOR TO EXCEEDING MAX SNOW HEIGHT MAY RESULT IN CATASTROPHIC FAILURE. MACLEOD 9 ASSUMES NO LIABILITY ON THE CAPACITY OF THE EXISTING STRUCTURE. THE VILLAGE OF NAKUSP BEARS FULL RESPONSIBILITY FOR THE SAFETY & USE OF THEIR BUILDING.

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 DATE DRN APP ISSUE REV

ISSUED FOR TENDER

Client
 Village of Nakusp
 Box 280
 Nakusp, BC V0G 1R0
 Project
 Nakusp Sports Complex
 Roof Repair
 8th Ave NW, Nakusp
 Drawing
 Main Arena
 Roof Details
 Project Number
 15-108
 Drawing Number
 S 1.1
 Revision
 0

