The Contractor shall check and verify all dimensions on site. This drawing is not to be used for construction unless stamped and signed by the Engineer.
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D01) GENERAL

D01-1 GENERAL INFORMATION

1. THE INFORMATION PRESENTED ON THESE DRAWINGS HAS BEEN DESIGNED AND ANALYZED IN ACCORDANCE WITH THE 2006 ONTARIO BUILDING CODE & 2005 NATIONAL BUILDING CODE OF CANADA. CONSTRUCTION IS TO BE PERFORMED IN ACCORDANCE WITH THIS AND ALL OTHER APPLICABLE CODES.

   ■ 1.1 STEEL STRUCTURE DESIGNED IN ACCORDANCE WITH CAN/CSA-S16.01-(06)

2. CONTRACTOR IS TO VERIFY/COORDINATE ALL DIMENSIONS/PENETRATIONS WITH ARCHITECTURAL/MECHANICAL/ELECTRICAL DRAWINGS PRIOR TO CONSTRUCTION. REPORT INCONSISTENCIES BEFORE PROCEEDING WITH WORK. ANY OPENINGS NOT INDICATED ON STRUCTURAL DRAWINGS ARE TO BE APPROVED BY STRUCTURAL ENGINEER IN WRITING PRIOR TO CONSTRUCTION.

3. SEISMIC RESTRAINT OF ARCH/MECH/ELECT ELEMENTS NOT NOTED ON THE DRAWINGS ARE THE RESPONSIBILITY OF THE CONTRACTOR'S ENGINEER. RESTRAINT DETAILS ARE TO BE DEVELOPED IN ACCORDANCE WITH THE 2006 OBC/2005 NBC. CONTRACTOR'S ENGINEER IS RESPONSIBLE FOR THE DESIGN AND DETAILING OF SEISMIC RESTRAINTS AND ISOLATIONS AS REQUIRED BY SPECIFICATIONS INCLUDING THE VERIFICATION THAT THE EXISTING/NEW STRUCTURE IS CAPABLE OF SAFELY SUPPORTING THE IMPOSED LOADS IN ACCORDANCE WITH THE 2006 OBC/2005 NBC. NO ELEMENTS MAY BE CONSTRUCTED WITHOUT WRITTEN CONFIRMATION OF THESE CONDITIONS BY CONTRACTOR'S ENGINEER.

4. CONTRACTOR TO PROVIDE PRE-ENGINEERED SHORING AS REQUIRED TO ACCOMMODATE THE CONTRACTOR'S CONSTRUCTION ACTIVITIES AND TO PREVENT DAMAGE TO ANY ADJACENT PROPERTY. ALL CONSTRUCTION ACTIVITIES TO BE LIMITED TO THE LIMITS OF THE CONSTRUCTION SITE AND ALL DAMAGE TO EXISTING PROPERTIES MUST BE REINSTATED.

5. CONTRACTOR TO VERIFY ALL DIMENSIONS ON SITE PRIOR TO CONSTRUCTION

D01-2 DEFINITIONS:

THE FOLLOWING ABBREVIATIONS HAVE BEEN USED IN THESE NOTES AND DRAWINGS:

@	AT (SPACING c/c)	mm	MILLIMETRES
ARCH.	ARCHITECTURAL	MAX.	MAXIMUM
B	BOTTOM	MECH	MECHANICAL
BLL	BOTTOM LOWER LAYER	MIN.	MINIMUM
BUL	BOTTOM UPPER LAYER	NF	NEAR FACE
c/c	CENTRE TO CENTRE	NTS	NOT TO SCALE
C	CENTRE LINE	OF	OUTSIDE FACE
CONT.	CONTINUOUS	POC	PILE CUT-OFF
CW	CORE WALL	PL	PLATE
EA.	EACH	SMR	STANDARD GALVANIZED LADDER MASONRY REINFORCEMENTS
EE	EACH END	SW	SHEARWALL
EF	EACH FACE	T	TOP
EL.	ELEVATION	TLL	TOP LOWER LAYER
ES	EACH SIDE	TUL	TOP UPPER LAYER
EW	EACH WAY	TOPC	TOP OF PILE CAP
FF	FAR FACE	TYP.	TYPICAL
H	HORIZONTAL	U/N	UNLESS OTHERWISE NOTED
HDMR	HEAVY DUTY GALVANIZED TRUSS TYPE MASONRY REINFORCEMENT	UL	UPPER LAYER
IF	INSIDE FACE	U/S	UNDERSIDE
LL	LOWER LAYER	V	VERTICAL
m	METRES		

D01-3 SHOP DRAWINGS

1. SUBMIT SHOP DRAWINGS FOR ALL STRUCTURAL WORK AND ANY WORK AFFECTING THE STRUCTURE TO THE CONSTRUCTION MANAGER. OBTAIN ARCHITECT'S & ENGINEER'S APPROVAL BEFORE PROCEEDING WITH THE FABRICATION.

2. EACH OF THE FOLLOWING SHOP DRAWINGS MUST BEAR THE SIGNATURE AND STAMP OF A QUALIFIED PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF ONTARIO (PLUS OTHER DRAWINGS AS NOTED).

   a) DRAWINGS FOR ANY TEMPORARY WORK.
   b) DRAWINGS FOR ANY STRUCTURAL PARTS DESIGNED BY THE CONTRACTOR'S FORCES INCLUDING EXTERIOR BUILDING ENVELOPE.
   c) STRUCTURAL STEEL.
   d) FORMWORK
   e) CONCRETE REINFORCEMENT

3. SHOP DRAWINGS MUST BE REVIEWED AND STAMPED REVIEWED BY THE CONTRACTOR BEFORE ISSUING TO THE ARCHITECT/ENGINEER. SHOP DRAWINGS NOT STAMPED BY THE CONTRACTOR WILL BE REJECTED. ANY DELAYS IN THE CONSTRUCTION SCHEDULE DUE TO NONCOMPLIANCE WITH THIS REQUIREMENT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

4. SUBMIT STRUCTURAL STEEL SHOP DRAWINGS FOR STRUCTURAL ENGINEER'S REVIEW BEFORE FABRICATION. ALL SHOP DRAWINGS SHALL BEAR THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER IN THE PROVINCE OF ONTARIO.

5. SHOP DRAWINGS ARE REVIEWED FOR CONFORMANCE WITH THE GENERAL DESIGN CONCEPT. THIS REVIEW DOES NOT IMPLY APPROVAL OF THE DETAILED DESIGN OR QUANTITIES DESCRIBED IN THE SHOP DRAWINGS. THE RESPONSIBILITY FOR THE QUANTITIES AND DETAILED DESIGN OF THE MATERIALS AND COMPONENTS AS REQUIRED TO PROVIDE THE COMPLETE AND SATISFACTORY JOB DESCRIBED IN THE DESIGN DOCUMENTS REMAINS WITH THE CONTRACTOR.

D02) STEEL

D02-1 STRUCTURAL STEEL:

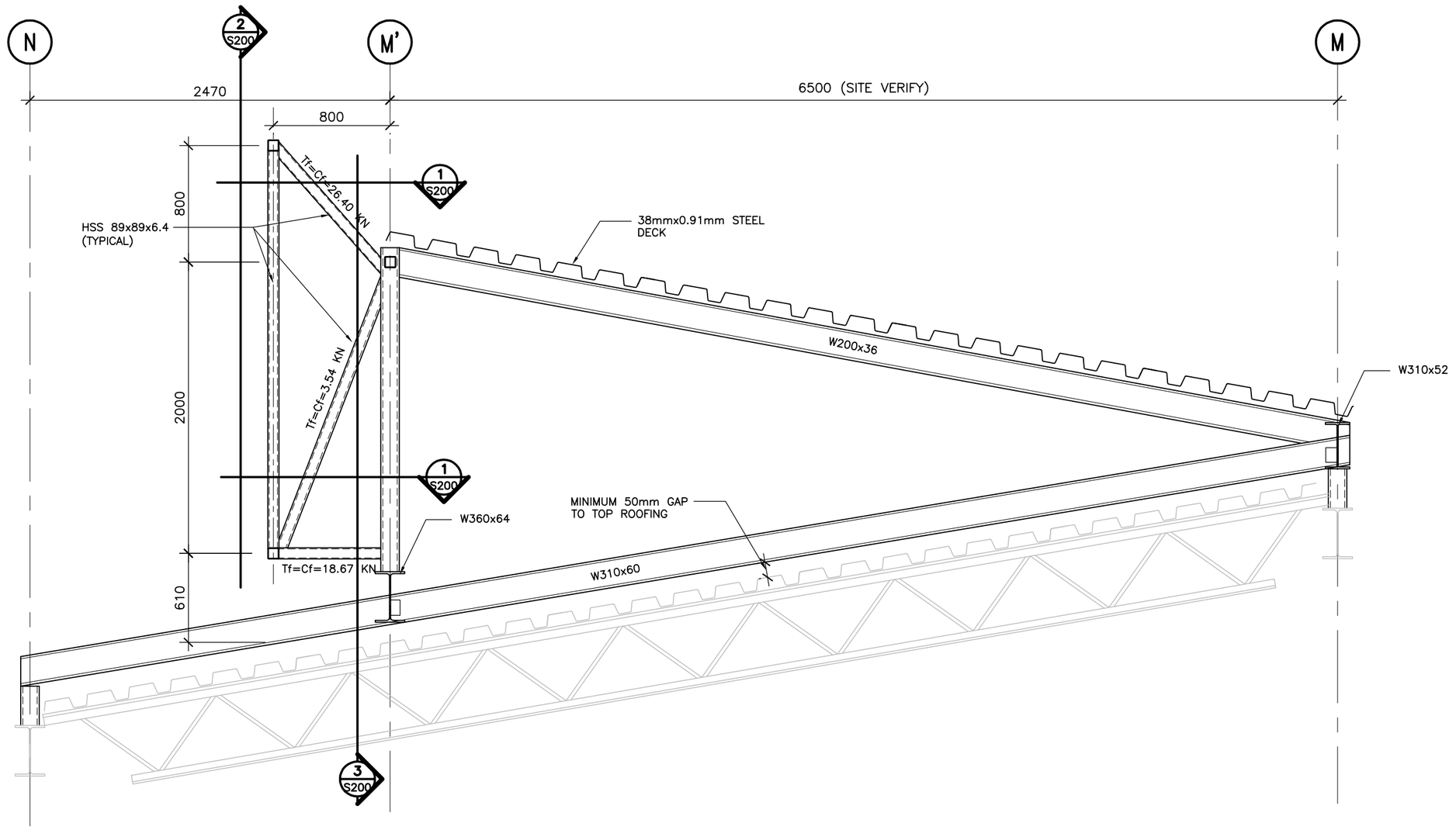
STRUCTURAL STEEL SHALL COMPLY WITH CAN3-S16.1-01(06) UNLESS OTHERWISE NOTED.

ITEM	APPLICABLE SPECIFICATION (UNLESS OTHERWISE NOTED)
ROLLED SECTIONS	G40.21 – 350W
HSS (TUBE) SECTIONS CONNECTION	G40.21 – 350W (CLASS H)
BOLTS	A325 (BEARING TYPE)
ANCHOR BOLTS	A307 (UNLESS OTHERWISE NOTED IN BASEPLATE SCHEDULE)
BRACE FRAME/BEARING PLATES	G40.21 – 300W
CHANNELS/ANGLES	G40.21 – 300W

1. ALL STEEL WORK SHALL BE GIVEN ONE COAT OF APPROVED PRIMER.
2. FIELD AND SHOP CONNECTIONS SHALL BE WELDED OR HIGH TENSILE BOLTED (ASTM STANDARD A325).
3. WELDING SHALL CONFORM TO LATEST CSA SPECIFICATION W59 AND BE UNDERTAKEN BY A FABRICATOR APPROVED BY THE CANADIAN WELDING BUREAU TO THE REQUIREMENTS OF CSA SPECIFICATION W47.1.
4. ALL EXPOSED WELDS SHALL BE CONTINUOUS AND BE GROUND SMOOTH.
5. ALL EXTERIOR EXPOSED STRUCTURAL STEEL SHALL BE GALVANIZED OR PAINTED WITH APPROVED RUST INHIBITIVE PAINT.
6. STRUCTURAL STEEL MEMBERS SHALL NOT BE SPLICED UNLESS APPROVED BY THE STRUCTURAL ENGINEER IN WRITING.
7. WHERE STRUCTURAL STEEL MEMBERS SPECIFIED ON THE STRUCTURAL DRAWINGS ARE UNAVAILABLE TO THE CONTRACTOR, THE STRUCTURAL STEEL CONTRACTOR SHALL PROVIDE MEMBERS HAVING ALL SECTION PROPERTIES EQUAL TO OR BETTER THAN THAT OF THE SPECIFIED MEMBERS AT NO ADDITIONAL COST. CONTACT ENGINEER FOR ACCEPTANCE OF ANY AND ALL SUBSTITUTIONS.

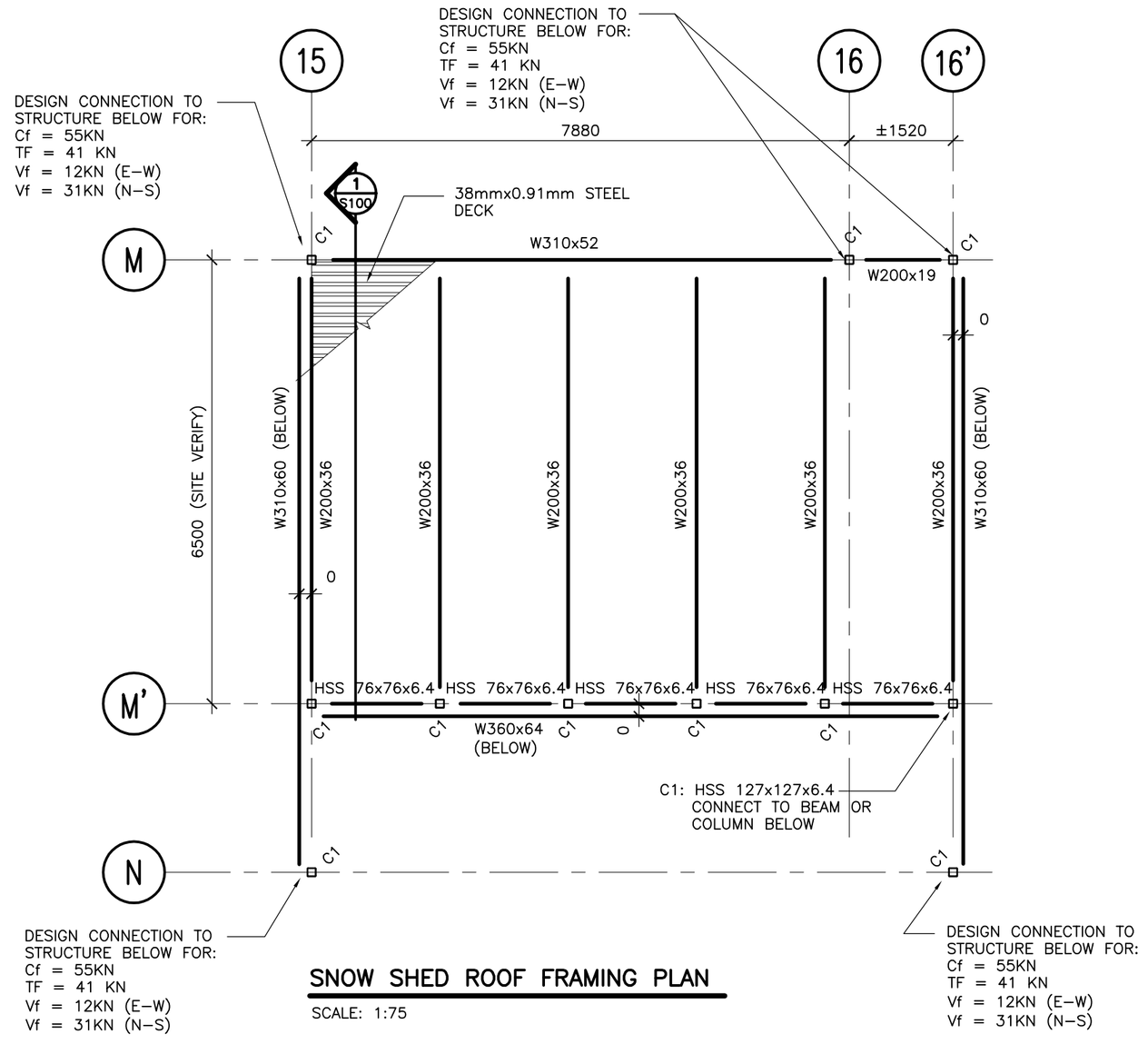
D02-2 STEEL DECK:

1. ALL METAL DECK SHALL BE A MINIMUM OF 38mm(1 ½") DEEP, WITH DECK FLUTES AT 150mm(6") CENTERS, CONTINUOUS OVER AT LEAST THREE SPANS, AND SHALL BE FORMED FROM SHEET STEEL CONFORMING TO CSSBI 10M/12M/20M, MINIMUM GRADE 'A', WITH A BASE STEEL NOMINAL THICKNESS SPECIFIED ON PLANS, AND A MINIMUM ZINC COATING DESIGNATION OF "WIPED COAT".
2. DECK CONNECTIONS TO SUPPORTING STRUCTURE TO BE AS FOLLOWS (U/N ON PLANS):
   20mm(¾")ø FUSION WELDS @ 914/7
   20mm(¾")ø FUSION WELDS @ 300mm(12") TRANS
   20mm(¾")ø FUSION WELDS @ 300mm(12") PERIMETER.
   SIDE LAP: BUTTON PUNCH @ 300mm(12") o.c.
3. ALL WELDS SHALL BE PRIME PAINTED BY DECK CONTRACTOR.
4. STEEL DECK CONTRACTOR TO REINFORCE ALL OPENINGS IN DECK 18" IN SIZE OR SMALLER.
5. ALL DECK CLOSURES SHALL BE SUPPLIED AND INSTALLED BY THE DECK CONTRACTOR. (PROVIDE DECK CLOSURES AT ALL AREAS WHERE DECK EDGES ARE WEAK).
6. NO MECHANICAL OR ELECTRICAL EQUIPMENT/ACCESSORIES SHALL BE HUNG FROM THE STEEL DECK.



1 / S100 **SECTION: SNOW SHED**

SCALE: 1:30



SNOW SHED ROOF FRAMING PLAN

SCALE: 1:75

N

No.	DATE	REVISIONS	BY
5	JUNE 10/15	RE-ISSUED FOR TENDER	ME
4	MAR 28/14	ISSUED FOR TENDER	ME
3	JAN 07/14	ISSUED FOR FINAL REVIEW	ME
2	DEC 09/13	ISSUED FOR 90% REVIEW	ME
1	NOV 19/13	ISSUED FOR REVIEW	ME

STAMP

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PROJECT

IQALUIT RCMP BUILDING MECHANICAL SNOW SHED

DRAWING

PARTIAL PLANS. GENERAL NOTES & DETAILS

DRAWN:	M.E.	DRAWING No.
DESIGNED:	C.F.	S100
DATE:	NOV 18/2013	
SCALE:	AS INDICATED	
PROJECT No:	1004305	