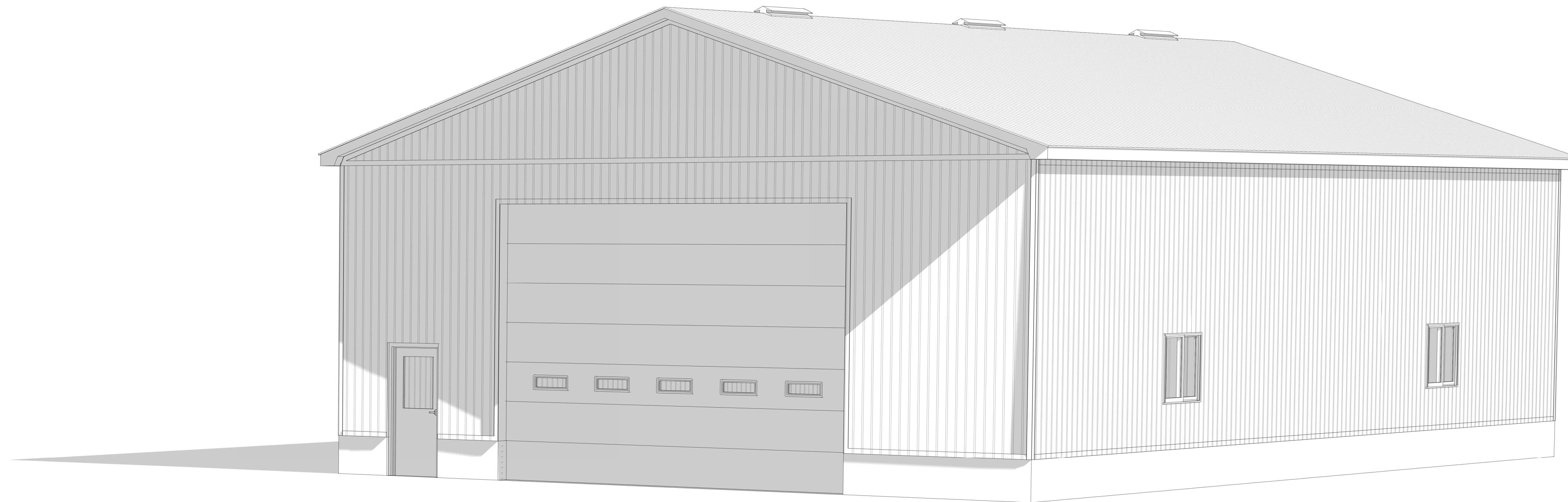




# STEVE FLANIGAN ACCESSORY STORAGE SHED ILDERTON, ON



**DRAWINGS**

- S-0 TITLE SHEET
- S-1 ELEVATIONS
- S-2 FOUNDATION PLAN - SECTIONS & DETAILS
- S-3 GROUND FLOOR PLAN - SECTION DETAILS
- S-4 ROOF FRAMING PLAN - SECTION DETAILS
- S-5 SECTIONS & DETAILS
- S-6 GENERAL NOTES - SITE LOCATION PLAN

NOTES:	NORTH	<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>DESIGN</th> <th>SF</th> <th>No.</th> <th>REVISION DESCRIPTION</th> <th>MM/DD/YY</th> <th>CHKD</th> </tr> </thead> <tbody> <tr> <td>DRAWN</td> <td>SF</td> <td>1.</td> <td>ISSUED FOR APPROVAL</td> <td>07/10/23</td> <td>MR</td> </tr> <tr> <td>CHECKED</td> <td>MR</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>APPROVED</td> <td>MR</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>DATE</td> <td colspan="5">JULY 2023</td> </tr> </tbody> </table>	DESIGN	SF	No.	REVISION DESCRIPTION	MM/DD/YY	CHKD	DRAWN	SF	1.	ISSUED FOR APPROVAL	07/10/23	MR	CHECKED	MR					APPROVED	MR					DATE	JULY 2023					<p>CONSULTANT</p>  <p><b>ENGINEERING AND DESIGN LTD.</b> <small>CIVIL-COMMERCIAL-AGRICULTURAL</small></p> <p><small>145 Thames Road, West, Unit 4, Exeter, ON, N0M 1S3 Telephone: (519)-317-0126 Email: admin@mrdesign.com</small></p>	<p>CONTRACTOR</p>	 <p><b>M. W. RUNGE</b> 100162955 PROVINCE OF ONTARIO</p>	<p>24089 BEAR CREEK RD RR3 ILDERTON, ON N0M 2A0</p>	<p>STEVE FLANIGAN ACCESSORY STORAGE SHED</p> <p>TITLE SHEET</p>	<table border="1" style="width: 100%; border-collapse: collapse; font-size: 8px;"> <tr> <td>PROJECT No.</td> <td>MR23-261</td> </tr> <tr> <td>SHEET No.</td> <td>S-0</td> </tr> <tr> <td>SCALE</td> <td></td> </tr> </table>	PROJECT No.	MR23-261	SHEET No.	S-0	SCALE	
DESIGN	SF	No.	REVISION DESCRIPTION	MM/DD/YY	CHKD																																							
DRAWN	SF	1.	ISSUED FOR APPROVAL	07/10/23	MR																																							
CHECKED	MR																																											
APPROVED	MR																																											
DATE	JULY 2023																																											
PROJECT No.	MR23-261																																											
SHEET No.	S-0																																											
SCALE																																												

- NOTES:**
- ALL ROOF SLOPES TO BE 4 / 12 UNLESS NOTED OTHERWISE.
  - EXTERIOR CLADDING SHOWN IS REPRESENTATIONAL ONLY. ACTUAL EXTERIOR CLADDING MAY DIFFER FROM WHAT IS SHOWN.
  - ALL WALLS TO BEAR ONTO 24" WIDE x 8" THICK CONCRETE STRIP FOOTING REINFORCED WITH 2 1/2" DIA. CONTINUOUS PROVIDE 3/4" x 6" 15M DOWELS @ 24" o.c. (F1) UNLESS NOTED OTHERWISE. REFER TO SECTIONS FOR DETAILS.
  - CONTRACTOR TO CONFIRM ROUGH OPENINGS PRIOR TO CONSTRUCTION.
  - ALL EXTERIOR DOORS TO BE INSULATED.
  - ALL OVERHEAD DOORS TO BE INSULATED TO THE SATISFACTION OF THE OWNER.

DOOR SCHEDULE						
TAG	DESCRIPTION	ROUGH OPENING	HEAD HEIGHT	LINTELS	BEARING	COMMENTS
D-1	36" x 84" EXTERIOR DOOR WITH WINDOW	36 1/2" W x 82 1/2" H	82 1/2"	2-PLY 2x6 SPF No. 1 No. 2	1 JACK STUD / 1 KING STUD EACH END	
D-2	36" x 84" EXTERIOR DOOR WITH WINDOW	36 1/2" W x 82 1/2" H	82 1/2"	3-PLY 2x6 SPF No. 1 No. 2	1 JACK STUD / 1 KING STUD EACH END	

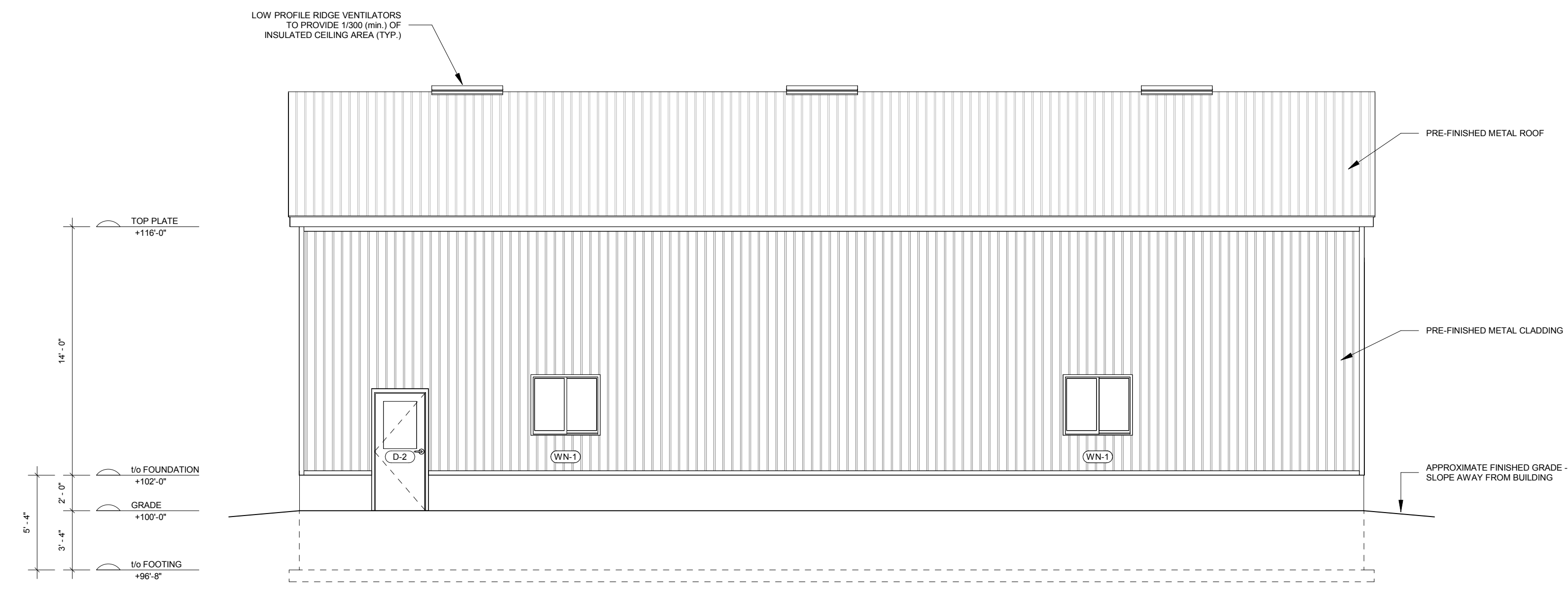
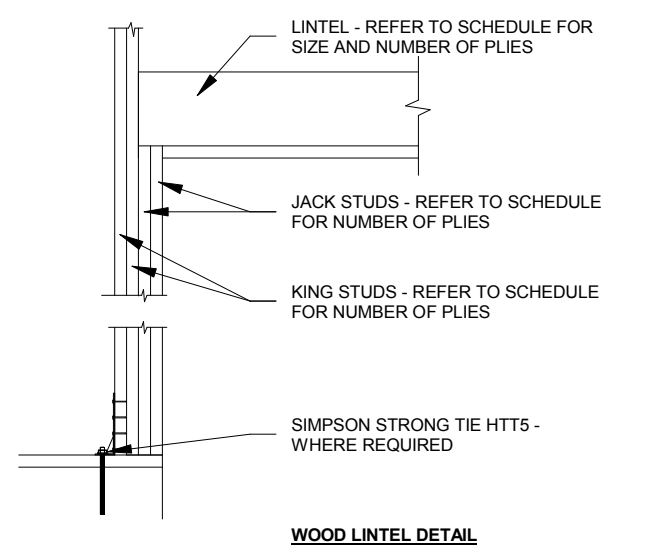
  

OVERHEAD DOOR SCHEDULE						
TAG	DESCRIPTION	ROUGH OPENING	HEAD HEIGHT	LINTELS	BEARING	COMMENTS
OHD-1	20'-0" W x 14'-0" H OVERHEAD DOOR	20'-0" W x 14'-0" H	14'-0"	3 - PLY 1 3/4" x 14" x 3, 1099B-2 0E LVL	2 JACK STUDS / 2 KING STUDS EACH END	

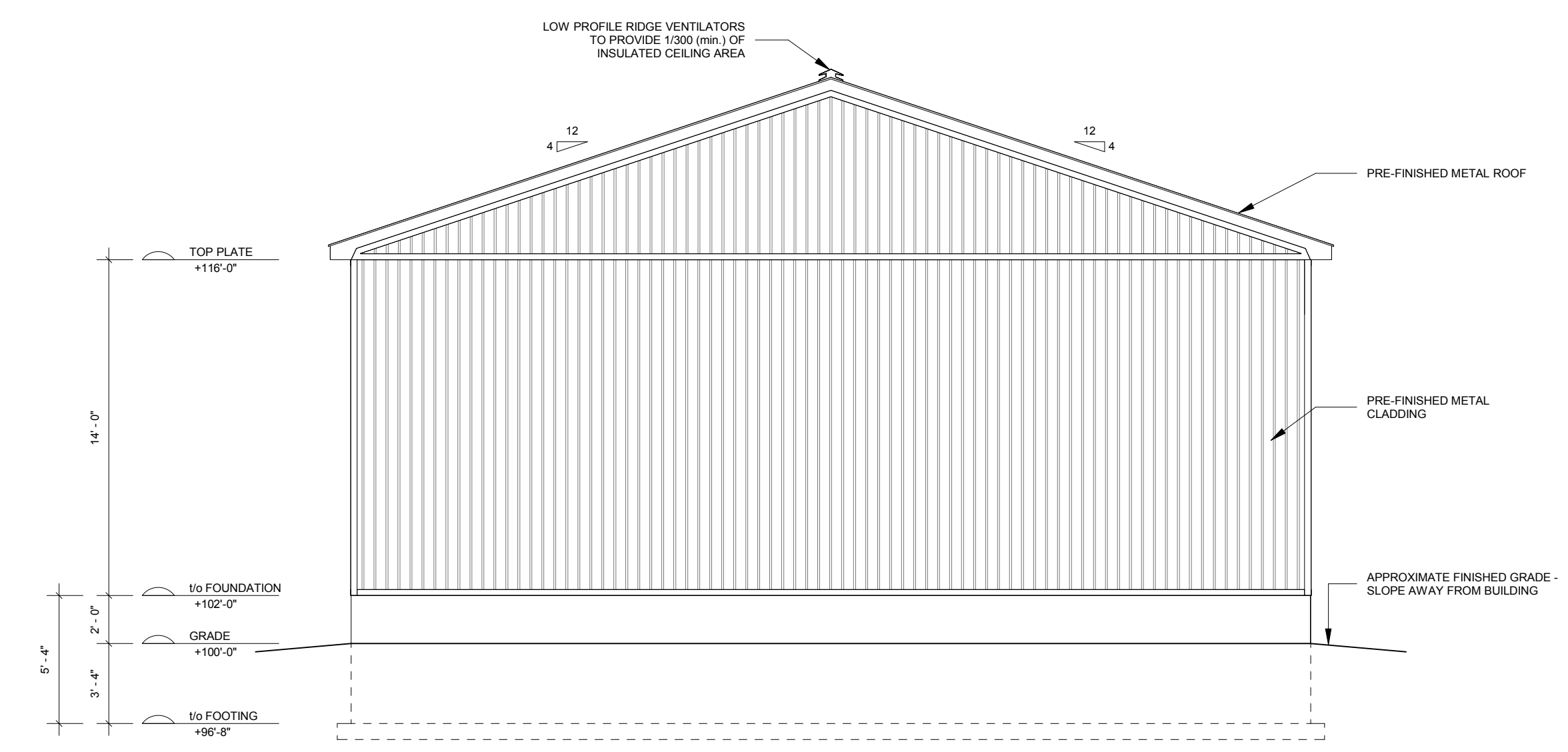
  

WINDOW SCHEDULE						
TAG	DESCRIPTION	ROUGH OPENING	HEIGHT A.F.F.	LINTEL	BEARING	COMMENTS
WN-1	48" W x 42" H WINDOW	48" W x 42" H	95"	3 - PLY 2x6 SPF No. 1 No. 2	1 JACK STUD / 1 KING STUD	

- NOTE:**
- ALL JACK STUDS / KING STUDS TO BE 2x6 SPF No. 1 / No. 2 (min.) UNLESS NOTED OTHERWISE.
  - LAMINATED BUILT UP STUD POSTS IN ACCORDANCE WITH OBC.
  - CONTRACTOR TO CONFIRM ROUGH OPENINGS PRIOR TO CONSTRUCTION.
  - ALL EXTERIOR GRADE DOORS TO BE INSULATED.
  - ALL OVERHEAD DOORS TO BE INSULATED TO THE SATISFACTION OF THE OWNER.
  - ALL DOORS ON THE GROUND FLOOR TO BE PROVIDED WITH LEVER TYPE HANDLES.

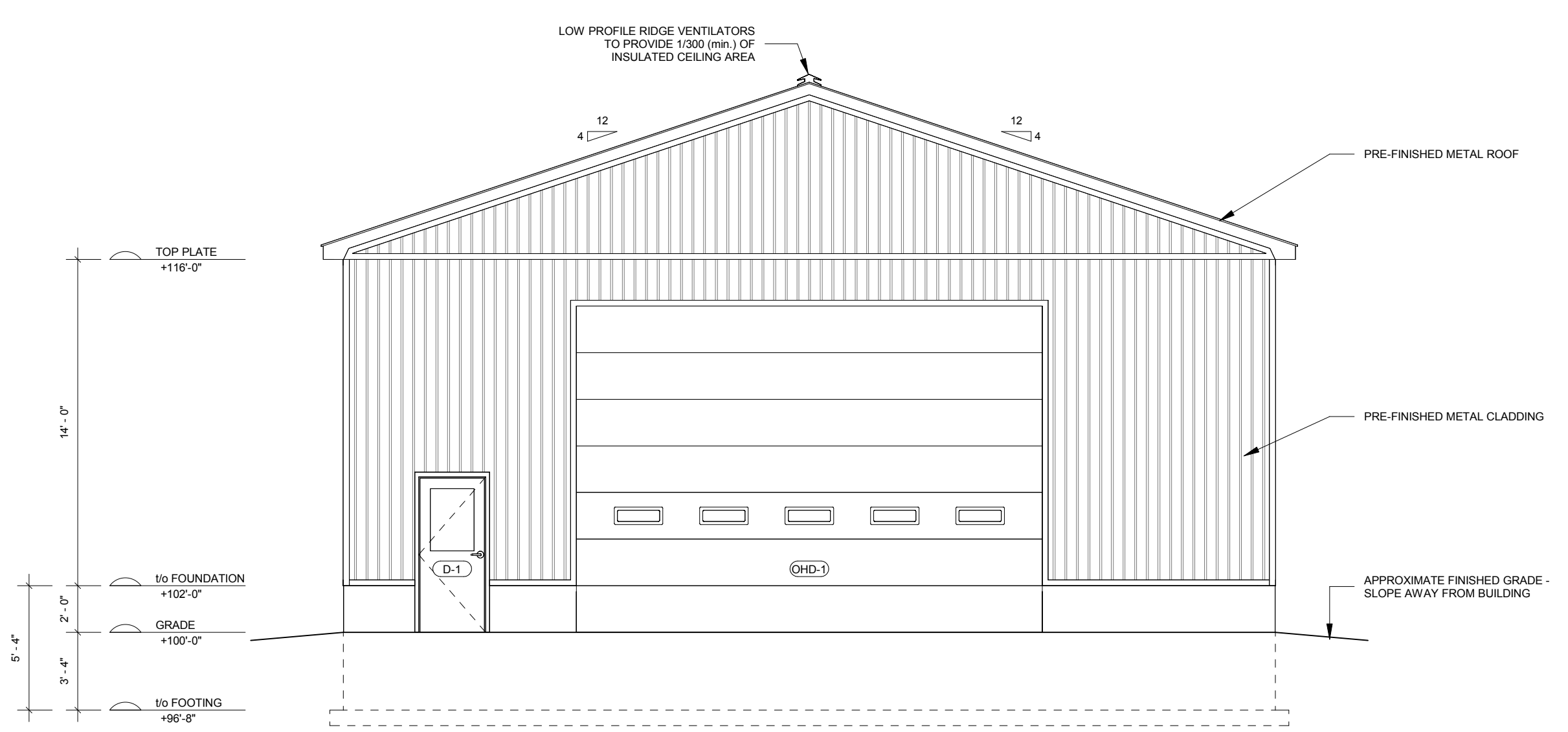


① SOUTH ELEVATION  
3/16" = 1'-0"

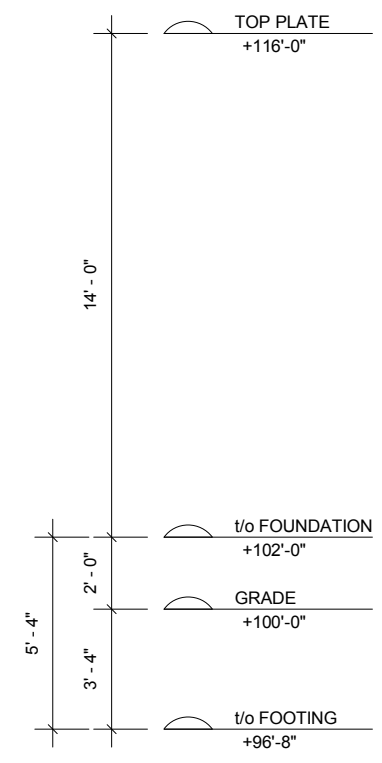


② WEST ELEVATION  
3/16" = 1'-0"

NOTE: PROVIDE 48" (min.) FROST PROTECTION TO ALL EXTERIOR FOUNDATION WALLS.



③ EAST ELEVATION  
3/16" = 1'-0"



④ NORTH ELEVATION  
3/16" = 1'-0"

- NOTES:**
- AT COMPLETE WITH
  - Øw DIAMETER
  - FRR FIRE-RESISTANCE RATING
  - FN FOUNDATION
  - ew EACH WAY
  - EX EXISTING
  - H HORIZONTAL
  - LLV LONG LEG VERTICAL
  - LVL LAMINATED VANEER LUMBER
  - mb MAXIMUM
  - OBC ONTARIO BUILDING CODE
  - o/c ON CENTER
  - OHD OVERHEAD DOOR
  - PROJ. PROJECTION
  - P.T. PRESSURE TREATED
  - rw REINFORCED WITH
  - SG SLIDE GATE
  - T&G TONGUE AND GROOVE
  - top TOP OF
  - Typ. TYPICAL
  - us UNDERSIDE
  - v VERTICAL
  - w WITH
  - W WIDE
  - WWM WELDED WIRE MESH

**NORTH**

DESIGN	SF	No.	REVISION DESCRIPTION	MM/DD/YY	CHKD
DRAWN	SF	1.	ISSUED FOR APPROVAL	07/10/23	MR
CHECKED	MR				
APPROVED	MR				
DATE	JULY 2023				



**CONTRACTOR**



24089 BEAR CREEK RD RR3  
ILDERTON, ON  
N0M 2A0

STEVE FLANIGAN  
ACCESSORY STORAGE SHED

PROJECT No.  
MR23-261

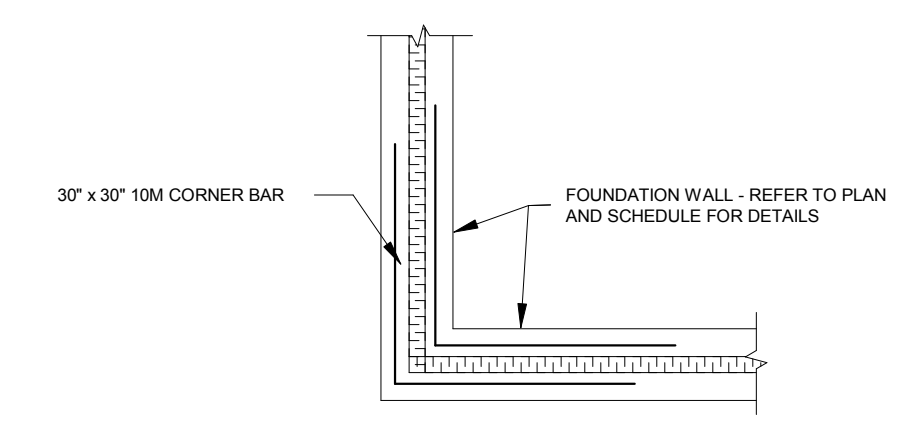
ELEVATIONS

SHEET No.  
S-1

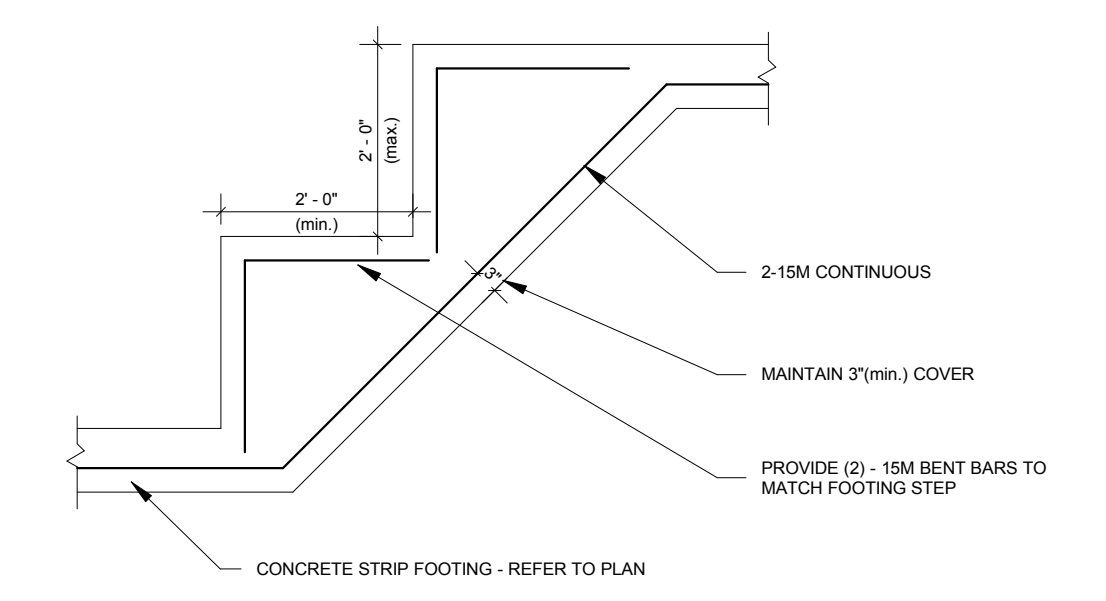
SCALE  
As indicated

FOUNDATION WALL SCHEDULE					
TAG	CROSS-SECTION	DESCRIPTION	WALL ASSEMBLY	WALL HEIGHT	MIN. 28 DAY STRENGTH
FDN-1		9" THICK SANDWICH WALL c/w 2" RIGID INSULATION (TOP 3" OF WALL)	3-1/2" POURED IN PLACE CONCRETE 2" RIGID INSULATION 3-1/2" POURED IN PLACE CONCRETE TOP OF WALL: 2-10M CONTINUOUS 10M U-BARS @ 48" o/c ANCHOR BOLTS 1/2" ANCHOR BOLT SPACING: - 48" o/c	5' - 4"	A-4, 25MPa

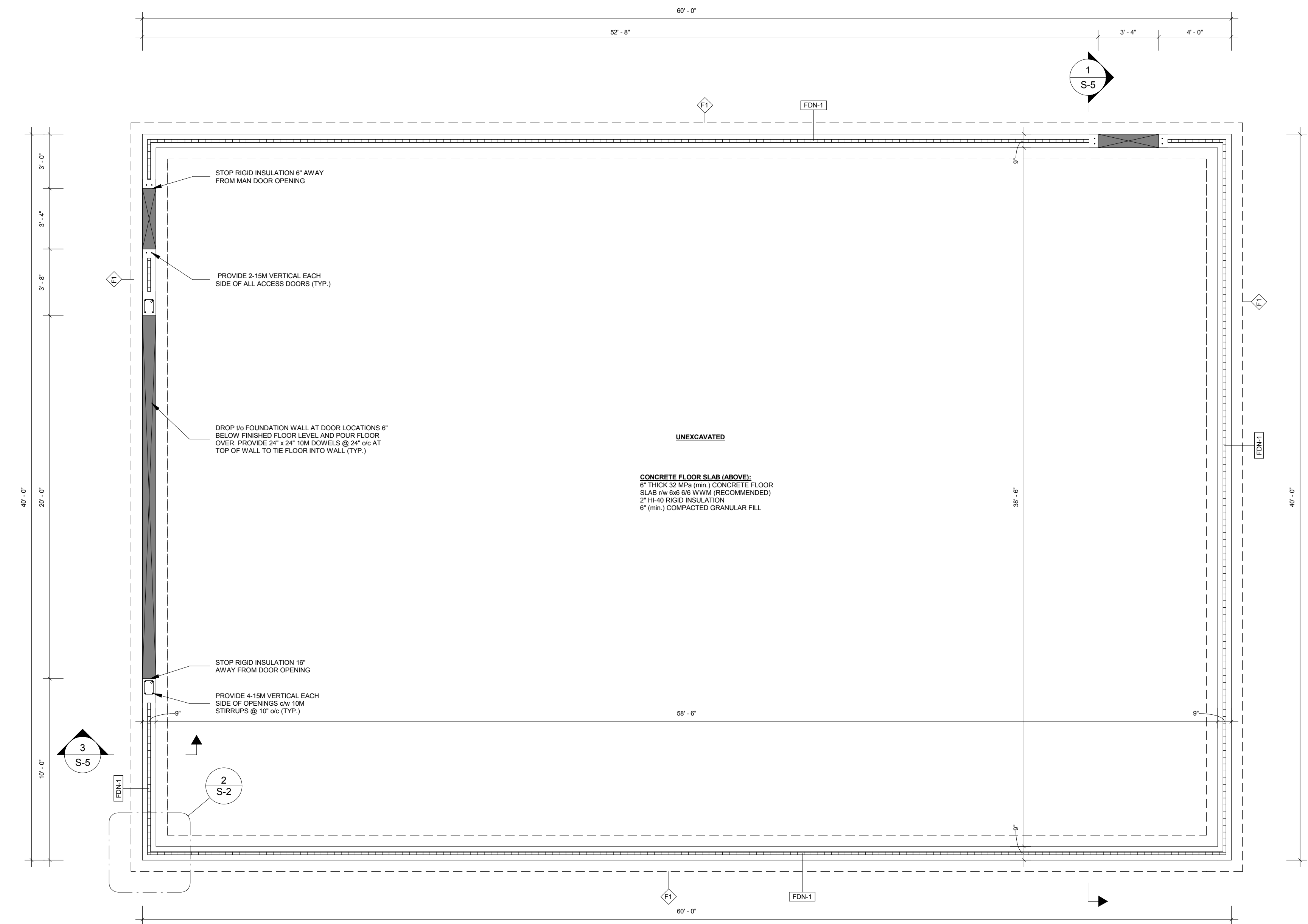
FOOTING SCHEDULE			
TAG	CROSS-SECTION	DESCRIPTION	MIN. 28 DAY STRENGTH
F1		24" WIDE x 8" THICK CONCRETE STRIP FOOTING REINFORCED WITH 2-15M CONTINUOUS. PROVIDE 30V x 6H 15M DOWELS @ 24" o/c	N-20MPa



② TYPICAL REINFORCEMENT AT CORNERS  
1/2" = 1'-0"

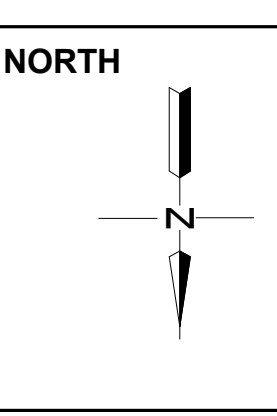


③ TYPICAL STEP FOOTING DETAIL  
1/2" = 1'-0"



① FOUNDATION PLAN  
1/4" = 1'-0"

- NOTES:**
- Ø AT COMPLETE WITH DIAMETER
  - FRR FIRE-RESISTANCE RATING
  - FDN FOUNDATION
  - EW EACH WAY
  - EX EXISTING
  - H HORIZONTAL
  - LLV LONG LEG VERTICAL
  - LVL LAMINATED VANEER LUMBER
  - MAX MAXIMUM
  - ONB ONTARIO BUILDING CODE
  - OC ON CENTER
  - OHD OVERHEAD DOOR
  - PROJ. PROJECTION
  - P.T. PRESSURE TREATED
  - RF REINFORCED WITH
  - SG SLIDE GATE
  - T&G TONGUE AND GROOVE
  - TOP TOP OF
  - TYP. TYPICAL
  - US UNDERSIDE
  - V VERTICAL
  - W WITH
  - W WIDE
  - WWM WELDED WIRE MESH



DESIGN	SF	No.	REVISION DESCRIPTION	MM/DD/YY	CHKD
DRAWN	SF	1.	ISSUED FOR APPROVAL	07/10/23	MR
CHECKED	MR				
APPROVED	MR				
DATE	JULY 2023				

CONSULTANT

ENGINEERING AND DESIGN LTD.  
CIVIL-COMMERCIAL-AGRICULTURAL

145 Thames Road, West, Unit 4, Exeter, ON, N0M 1S3  
Telephone: (519)-317-0126  
Email: admin@mrdesign.com

CONTRACTOR

24089 BEAR CREEK RD RR3  
ILDERTON, ON  
N0M 2A0

STEVE FLANIGAN  
ACCESSORY STORAGE SHED

FOUNDATION PLAN - SECTIONS & DETAILS

PROJECT No.  
MR23-261

SHEET No.  
S-2

SCALE  
As indicated

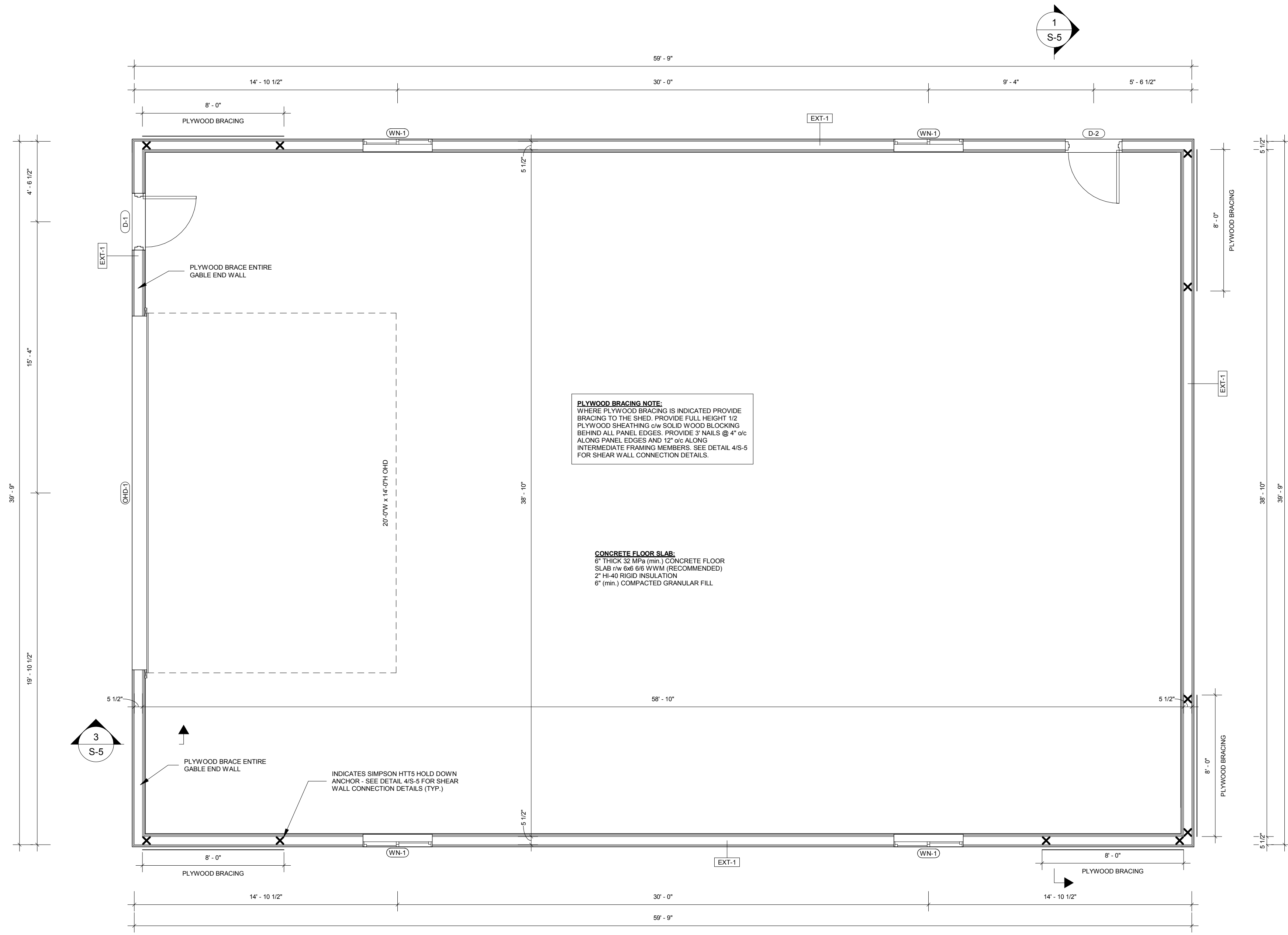
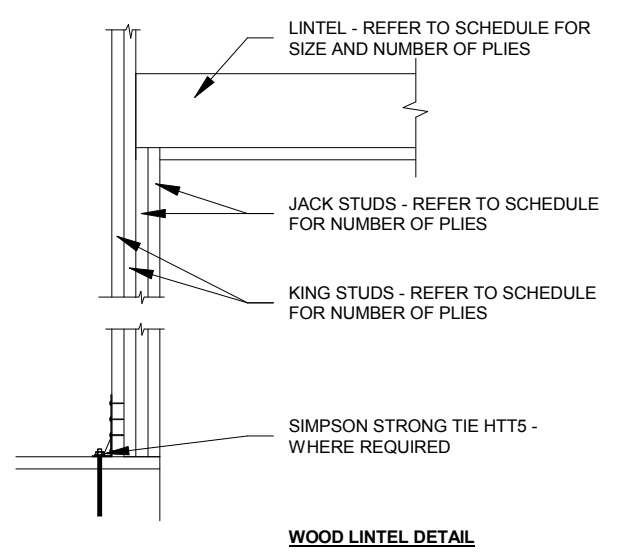
WALL SCHEDULE				
TAG	CROSS-SECTION	DESCRIPTION	WALL ASSEMBLY	WALL HEIGHT
EXT-1		2x6 HEATED FRAMED WALL	<b>EXTERIOR</b> 2x6x16-88 STEEL c/w SCREW FASTENERS 1/4" STRAPPING @ 24" o/c TYVEK AIR BARRIER (OR EQUIVALENT) 2x6 SPF No.1/KING STUDS @ 16" o/c SOLID WOOD BLOCKING @ 48" o/c VERTICALLY R25 ROCKWOL BATT INSULATION 6 MIL POLY VAPOUR BARRIER 1/4" STRAPPING @ 24" o/c 2x6 @ LOW-RIB STEEL c/w SCREW FASTENERS	14' - 0"

DOOR SCHEDULE						
TAG	DESCRIPTION	ROUGH OPENING	HEAD HEIGHT	LINTELS	BEARING	COMMENTS
D-1	36" x 84" EXTERIOR DOOR WITH WINDOW	38 1/2"W x 82 1/2"H	82 1/2"	3-PLY 2x6 SPF No.1/No.2	1 JACK STUD / 1 KING STUD EACH END	
D-2	36" x 84" EXTERIOR DOOR WITH WINDOW	38 1/2"W x 82 1/2"H	82 1/2"	3-PLY 2x6 SPF No.1/No.2	1 JACK STUD / 1 KING STUD EACH END	

OVERHEAD DOOR SCHEDULE						
TAG	DESCRIPTION	ROUGH OPENING	HEAD HEIGHT	LINTELS	BEARING	COMMENTS
OHD-1	20'-0"W x 14'-0"H OVERHEAD DOOR	20'-0"W x 14'-0"H	14'-0"	3-PLY 1 3/4" x 14" 3.100lb 2.0E LVL	2 JACK STUDS / 2 KING STUDS EACH END	

WINDOW SCHEDULE						
TAG	DESCRIPTION	ROUGH OPENING	HEIGHT A.F.F.	LINTELS	BEARING	COMMENTS
WN-1	48"W x 42"H WINDOW	48"W x 42"H	93"	3-PLY 2x6 SPF No.1/No.2	1 JACK STUD / 1 KING STUD	

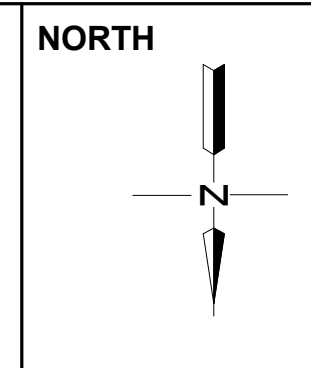
- NOTE:**
- ALL JACK STUDS / KING STUDS TO BE 2x6 SPF No.1 / No.2 (min.) UNLESS NOTED OTHERWISE.
  - LAMINATED BUILT UP STUD POSTS IN ACCORDANCE WITH OBC.
  - CONTRACTOR TO CONFIRM ROUGH OPENINGS PRIOR TO CONSTRUCTION.
  - ALL EXTERIOR GRADE DOORS TO BE INSULATED.
  - ALL OVERHEAD DOORS TO BE INSULATED TO THE SATISFACTION OF THE OWNER.
  - ALL DOORS ON THE GROUND FLOOR TO BE PROVIDED WITH LEVER TYPE HANDLES.



1 GROUND FLOOR PLAN  
1/4" = 1'-0"

**NOTES:**

Ø	AT COMPLETE WITH DIAMETER	OHD	OVERHEAD DOOR PROJECTION
c/w	COMPLETE WITH	P.T.	PRESSURE TREATED
FRR	FIRE-RESISTANCE RATING	rw	REINFORCED WITH
FOUN	FOUNDATION	SG	SLIDE GATE
ew	EACH WAY	T&G	TONGUE AND GROOVE
EX	EXISTING	tp	TOP OF
H	HORIZONTAL	TYP.	TYPICAL
LLV	LONG LEG VERTICAL	us	UNDERSIDE
LVL	LAMINATED VANEER LUMBER	v	VERTICAL
mb	MINIMUM	w	WITH
max	MAXIMUM	w	WIDE
OBC	ONTARIO BUILDING CODE	WWM	WELDED WIRE MESH
oc	ON CENTER		



DESIGN	SF	No.	REVISION DESCRIPTION	MM/DD/YY	CHKD
DRAWN	SF	1.	ISSUED FOR APPROVAL	07/10/23	MR
CHECKED	MR				
APPROVED	MR				
DATE	JULY 2023				

CONSULTANT

**ENGINEERING AND DESIGN LTD.**  
 CIVIL-COMMERCIAL-AGRICULTURAL

145 Thames Road, West, Unit 4, Exeter, ON, N0M 1S3  
 Telephone: (519)-317-0126  
 Email: admin@mrdesign.com

CONTRACTOR

**M. W. RUNGE**  
 100162955  
 PROVINCE OF ONTARIO

24089 BEAR CREEK RD RR3  
 ILBERTON, ON  
 N0M 2A0

STEVE FLANIGAN  
 ACCESSORY STORAGE SHED

GROUND FLOOR PLAN - SECTION DETAILS

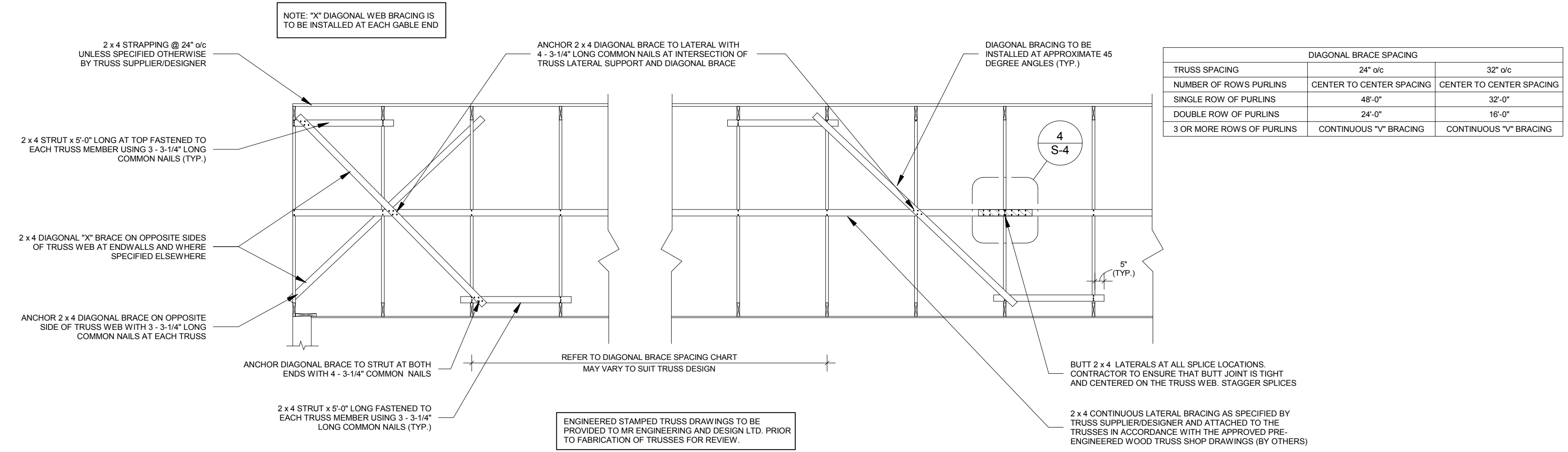
PROJECT No.  
MR23-261

SHEET No.  
**S-3**

SCALE  
As indicated

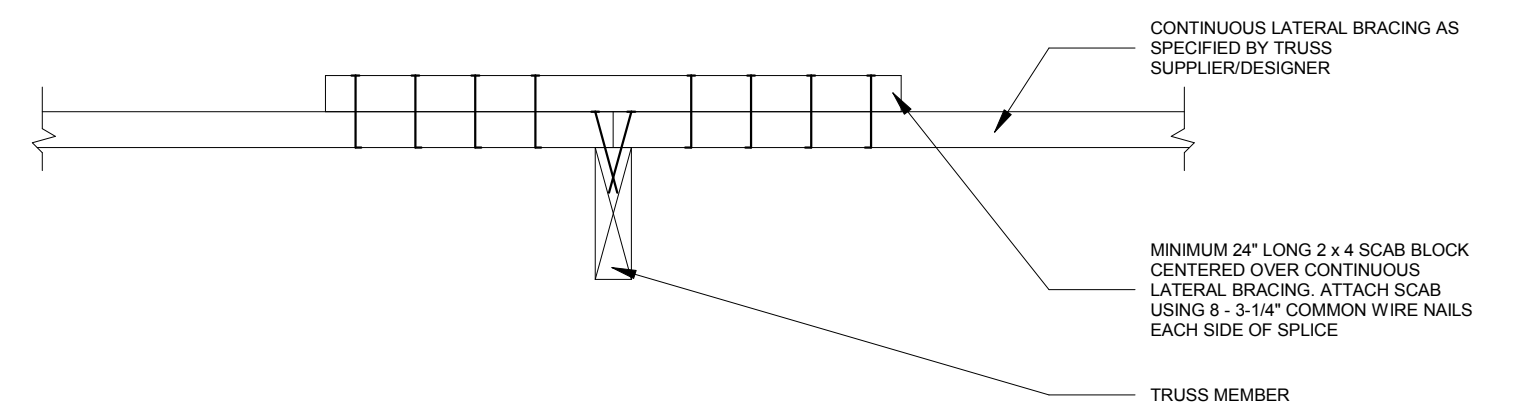
**TRUSS BRACING NOTES:**

- TRUSSES TO BE DESIGNED FOR THE LOADS NOTED ON THE STRUCTURAL DRAWINGS.
- THE TRUSS DESIGNER SHALL ACCOUNT FOR UNBALANCED LOADING CONDITIONS, VALLEY LOADS, SNOW SHADOWS, AND WIND UPLIFT IN ACCORDANCE WITH THE ONTARIO BUILDING CODE AND THE NATIONAL BUILDING CODE AS APPLICABLE.
- BRACE SPACING AND LOADS ON DIAGONAL BRACING TO BE BASED ON A CUMULATIVE FORCE OF 2.0% OF THE WEB COMPRESSION. VERIFY LOADING WITH TRUSS SHOP DRAWINGS.
- ALL PERMANENT CONTINUOUS LATERAL BRACING TO BE INSTALLED ON WEB MEMBERS AS INDICATED BY THE TRUSS SUPPLIER/DESIGNER. SIZE AND LOCATION OF LATERAL BRACING AND CONNECTION TO THE TRUSSES SHALL BE IN ACCORDANCE WITH THE APPROVED PRE-ENGINEERED WOOD TRUSS SHOP DRAWINGS (BY OTHERS).
- DIAGONAL BRACING MUST BE PROVIDED ON ALL WEB MEMBERS THAT REQUIRE LATERAL BRACING. DIAGONAL BRACING SHALL BE SPACED AS NOTED IN DETAIL 2 ON THIS DRAWING AND X-BRACING SHALL BE PROVIDED AT ENDWALLS.
- ADDITIONAL TRUSS BRACING MAY BE REQUIRED TO ACCOMMODATE THE TRUSS DESIGN AFTER SHOP DRAWINGS ARE REVIEWED.

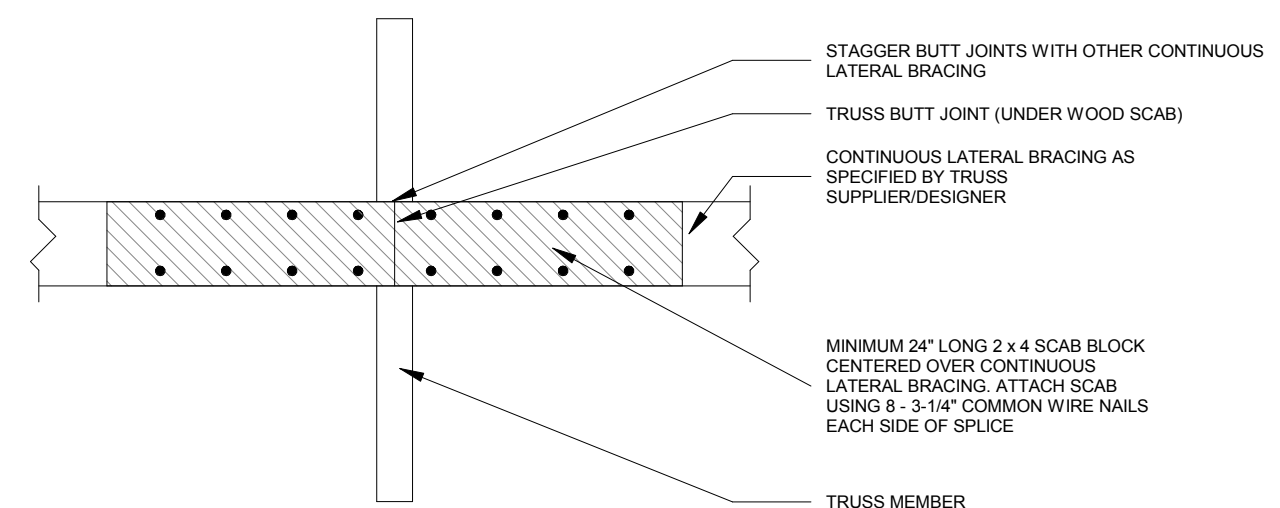


TRUSS SPACING	DIAGONAL BRACE SPACING	
	24" o/c	32" o/c
NUMBER OF ROWS PURLINS	CENTER TO CENTER SPACING	CENTER TO CENTER SPACING
SINGLE ROW OF PURLINS	48'-0"	32'-0"
DOUBLE ROW OF PURLINS	24'-0"	16'-0"
3 OR MORE ROWS OF PURLINS	CONTINUOUS "V" BRACING	CONTINUOUS "V" BRACING

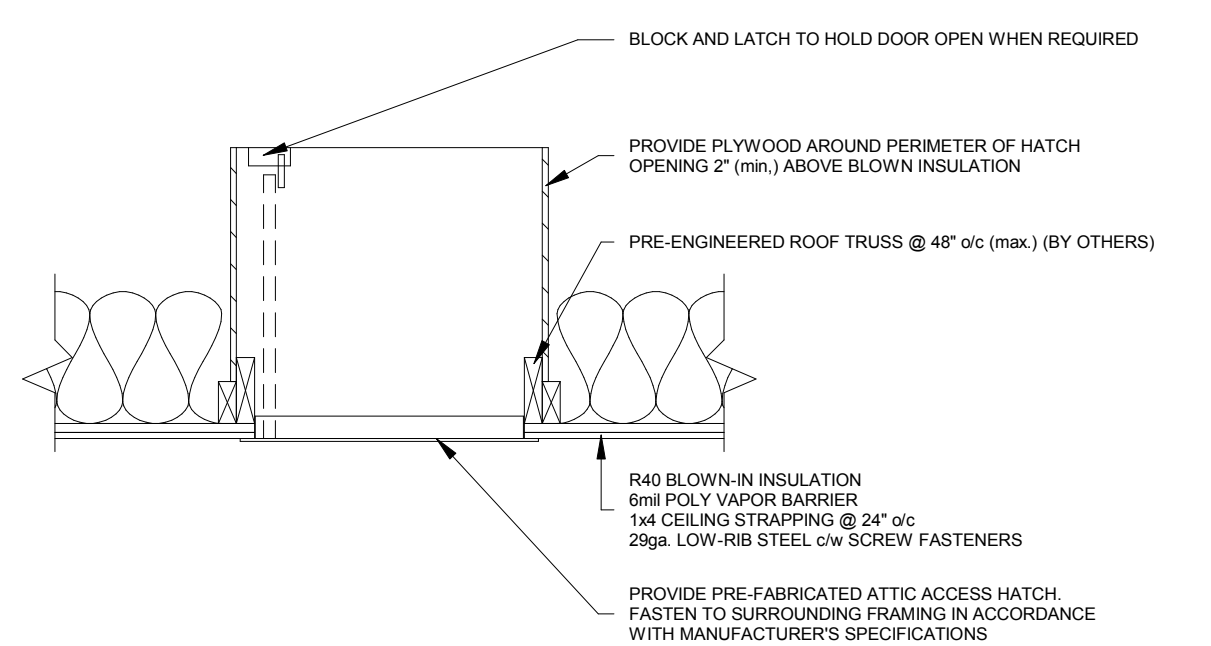
2 WEB BRACING DETAILS  
1/4" = 1'-0"



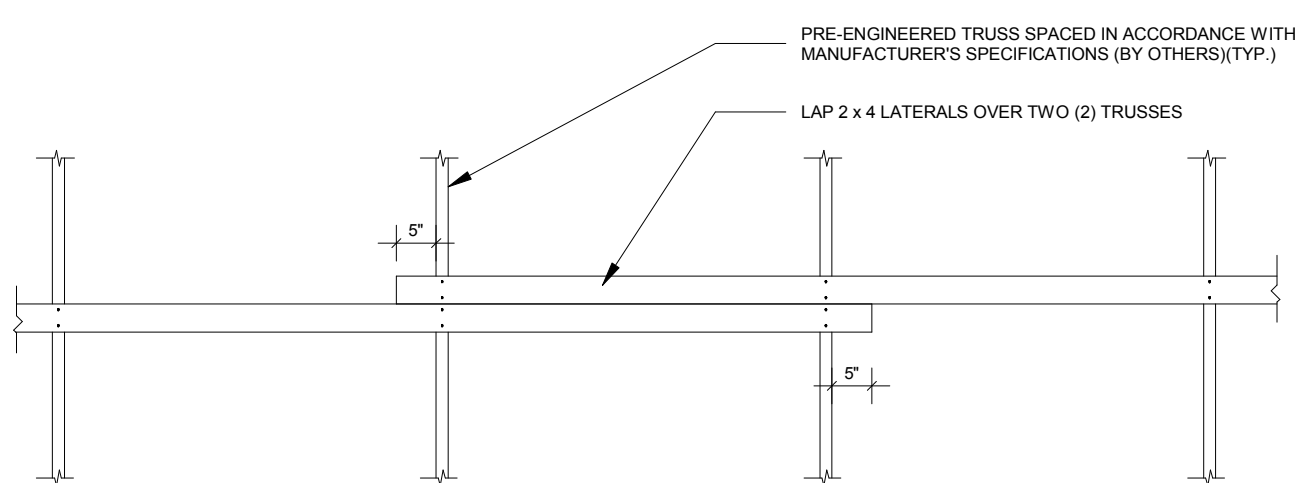
3 TYPICAL BUTT JOINT SPLICE SECTION  
1 1/2" = 1'-0"



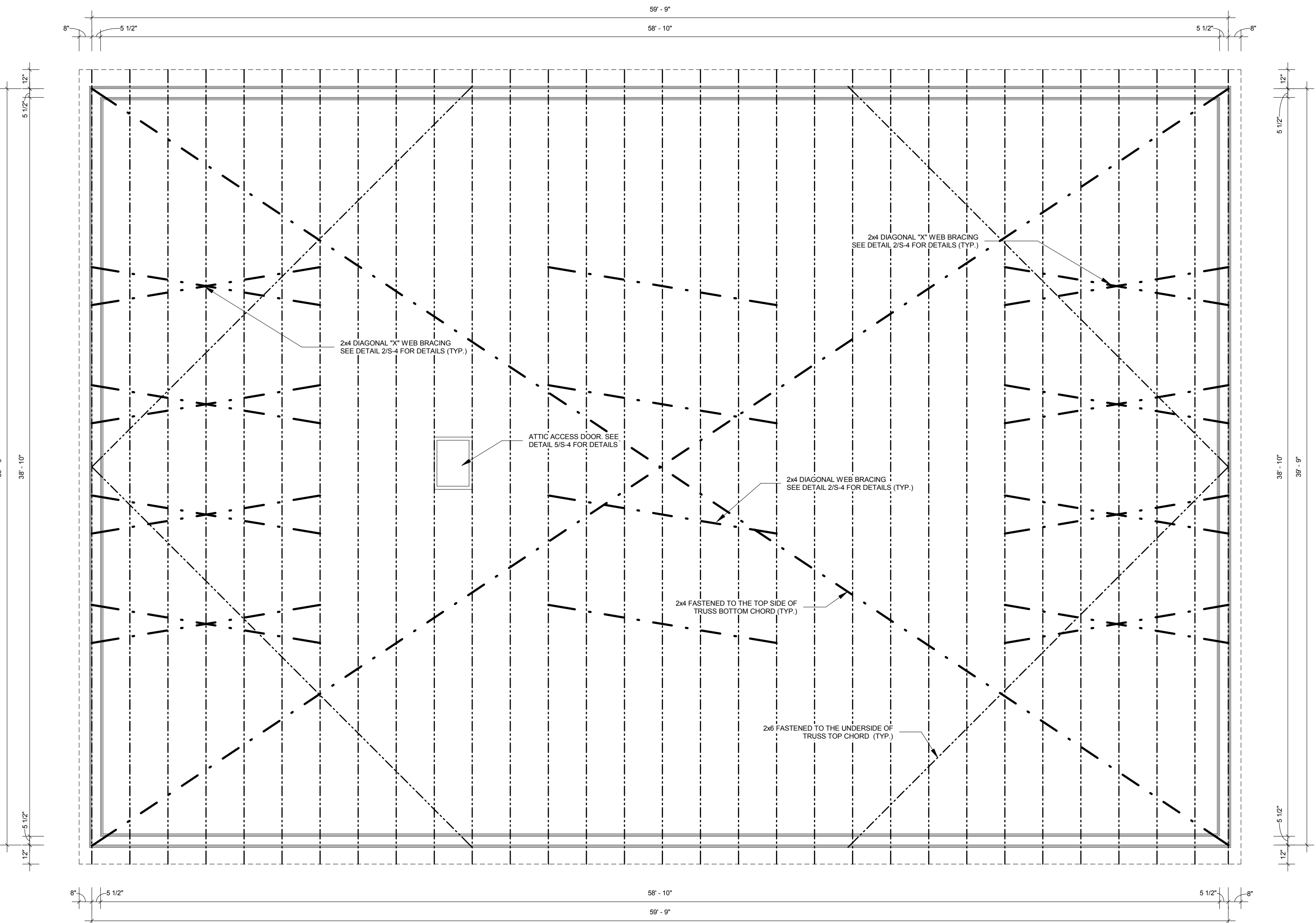
4 TYPICAL BUTT JOINT SPLICE DETAIL  
1 1/2" = 1'-0"



5 ATTIC ACCESS DOOR  
3/4" = 1'-0"



6 ALTERNATIVE CONTINUOUS LATERAL BRACE SPLICE CONNECTION  
1/2" = 1'-0"

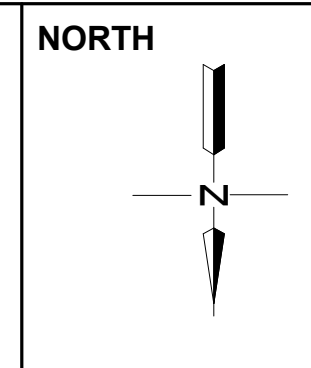


1 ROOF FRAMING PLAN  
1/4" = 1'-0"

NOTE: CONTRACTOR IS RESPONSIBLE FOR TEMPORARY BRACING DURING CONSTRUCTION. REFER TO BSCI - "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING, RESTRAINING & BRACING OF METAL PLATE CONNECTED WOOD TRUSSES FOR ADDITIONAL INFORMATION"

**NOTES:**

Ø	AT COMPLETE WITH DIAMETER	OHD	OVERHEAD DOOR PROJECTION
FR	FIRE-RESISTANCE RATING	PT	PRESSURE TREATED
FN	FOUNDATION	RF	REINFORCED WITH SLIDE GATE
EW	EACH WAY	T&G	TONGUE AND GROOVE
EX	EXISTING	TO	TOP OF
H	HORIZONTAL	TYP.	TYPICAL
LLV	LONG LEG VERTICAL	US	UNDERSIDE
LVL	LAMINATED VANEER LUMBER	V	VERTICAL
MB	MINIMUM	W	WITH
MAX	MAXIMUM	W	WIDE
ONC	ONTARIO BUILDING CODE	WWM	WELDED WIRE MESH
OC	ON CENTER		



DESIGN	SF	No.	REVISION DESCRIPTION	MM/DD/YY	CHKD
DRAWN	SF	1.	ISSUED FOR APPROVAL	07/10/23	MR
CHECKED	MR				
APPROVED	MR				
DATE	JULY 2023				

CONSULTANT

ENGINEERING AND DESIGN LTD.  
CIVIL-COMMERCIAL-AGRICULTURAL

145 Thames Road, West, Unit 4, Exeter, ON, N0M 1S3  
Telephone: (519)-317-0120  
Email: admin@mrdesign.com

CONTRACTOR

LICENSED PROFESSIONAL ENGINEER  
M. W. RUNGE  
100162955  
PROVINCE OF ONTARIO

24089 BEAR CREEK RD RR3  
ILDERTON, ON  
N0M 2A0

STEVE FLANIGAN  
ACCESSORY STORAGE SHED

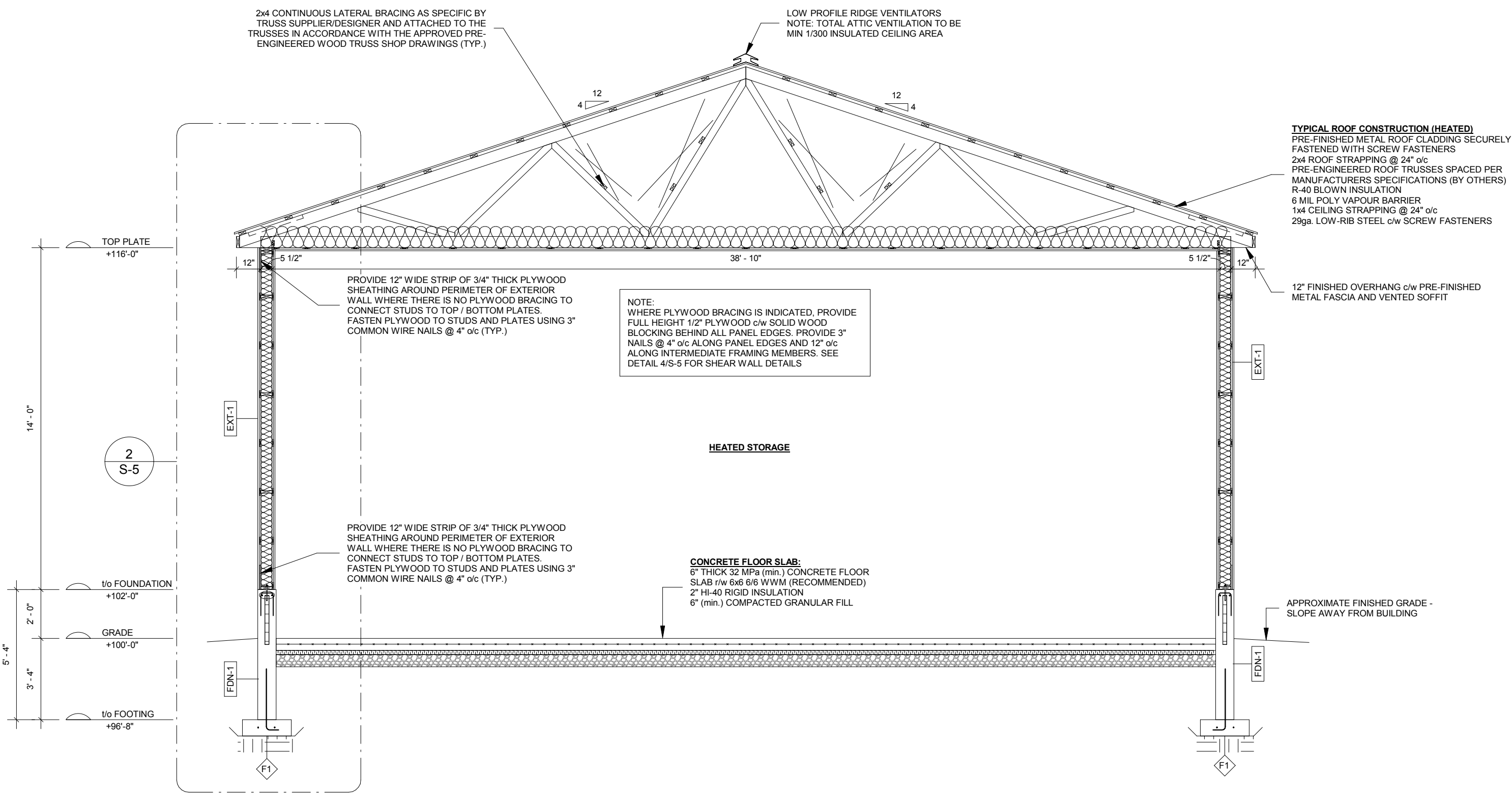
ROOF FRAMING PLAN - SECTION DETAILS

PROJECT No.  
MR23-261

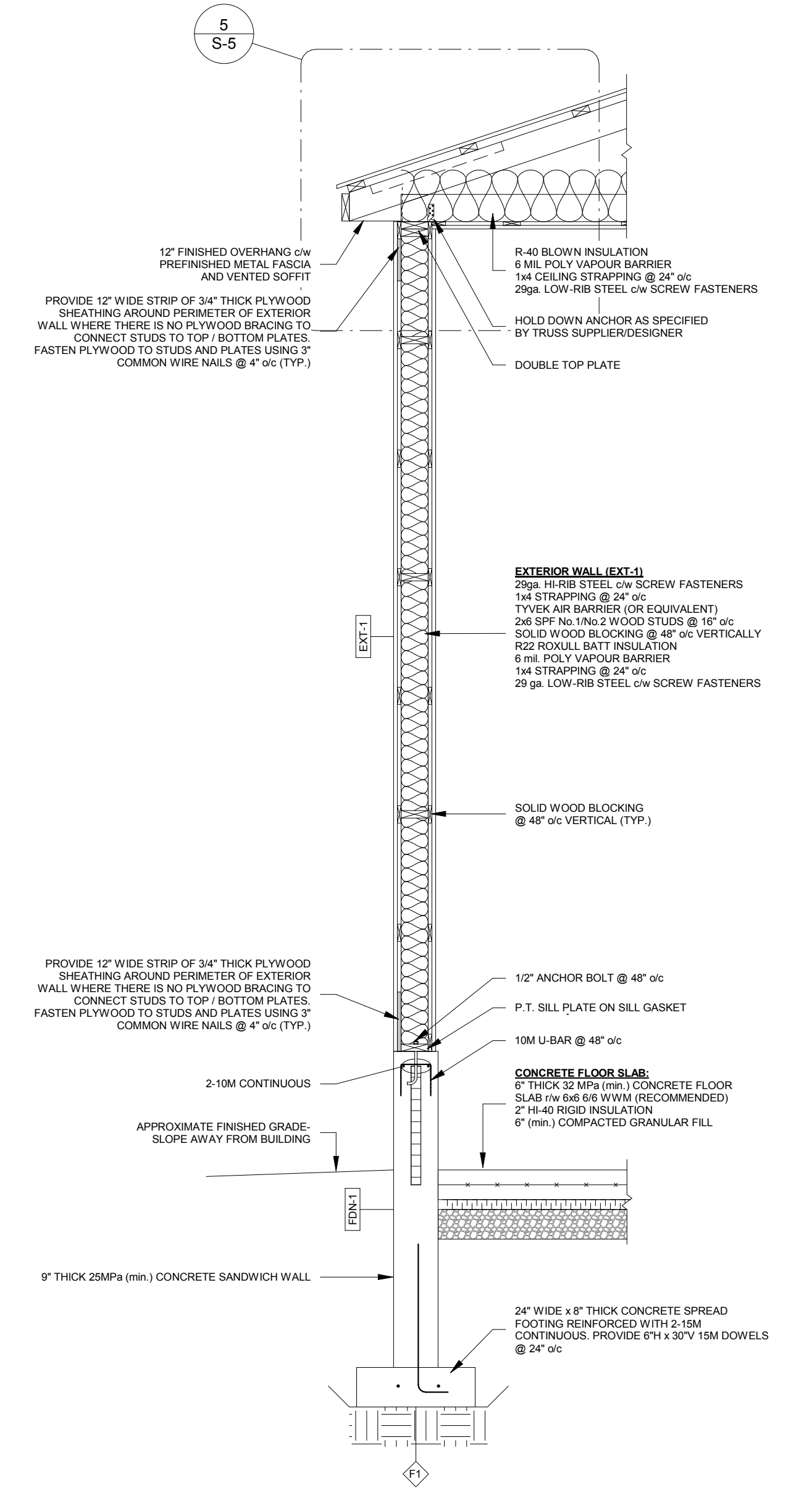
SHEET No.  
S-4

SCALE  
As indicated

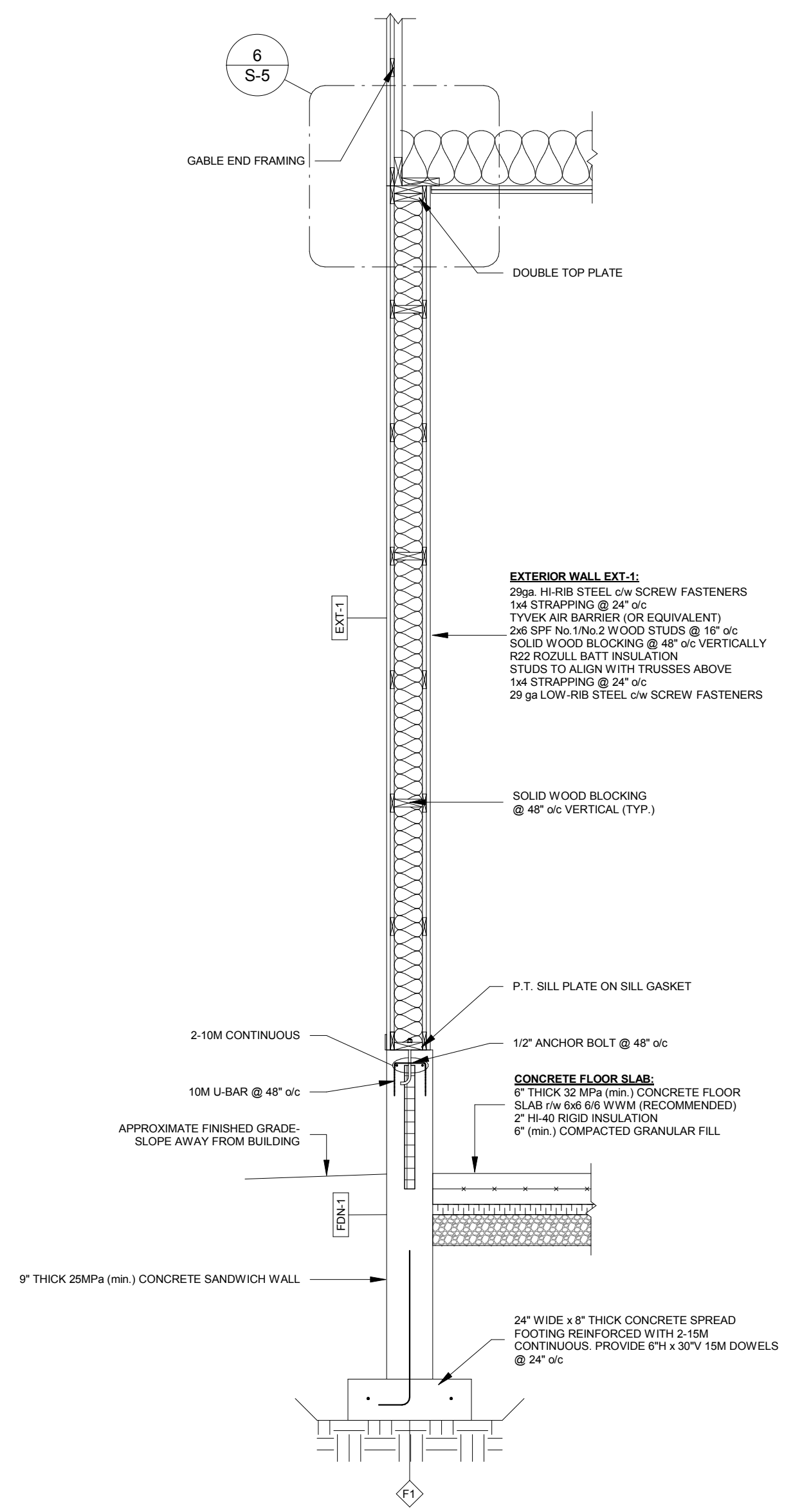
NOTE: PROFILE OF TRUSS IS APPROXIMATE. FINAL DESIGN BY OTHERS. ENGINEERED STAMPED TRUSS DRAWINGS TO BE PROVIDED TO MR. ENGINEERING AND DESIGN LTD. PRIOR TO FABRICATION OF TRUSSES FOR REVIEW.



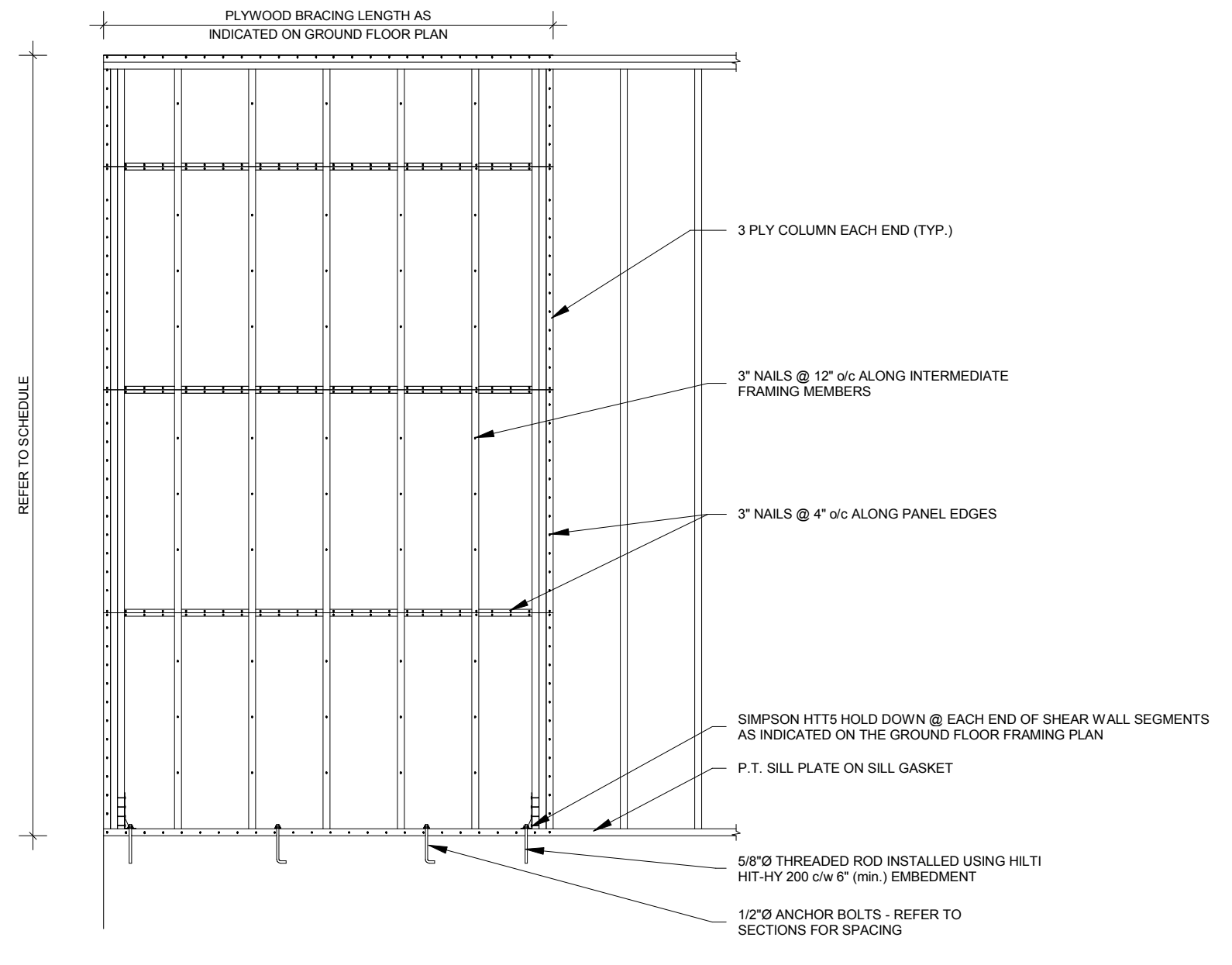
1 SECTION THROUGH HEATED SHOP  
1/4" = 1'-0"



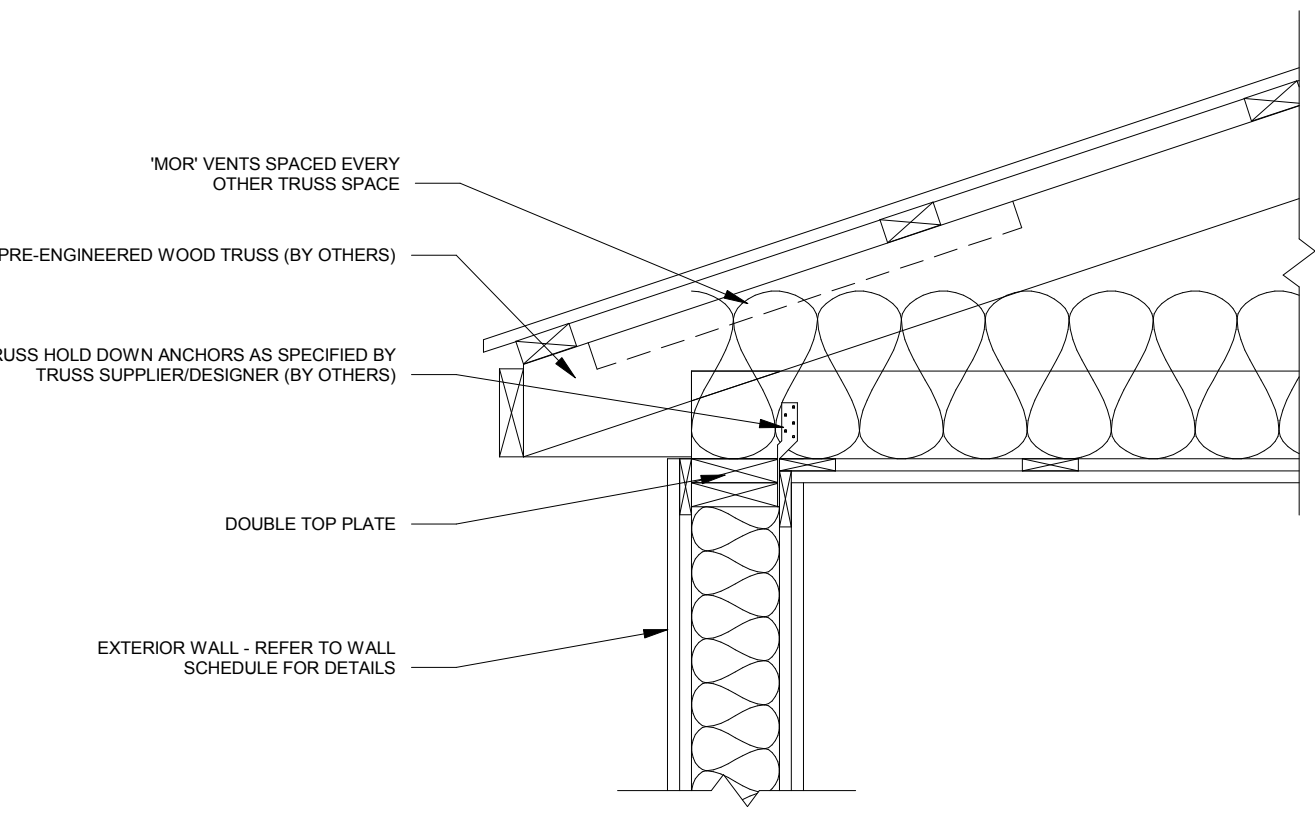
2 TYPICAL SECTION THROUGH EXT-1  
1/2" = 1'-0"



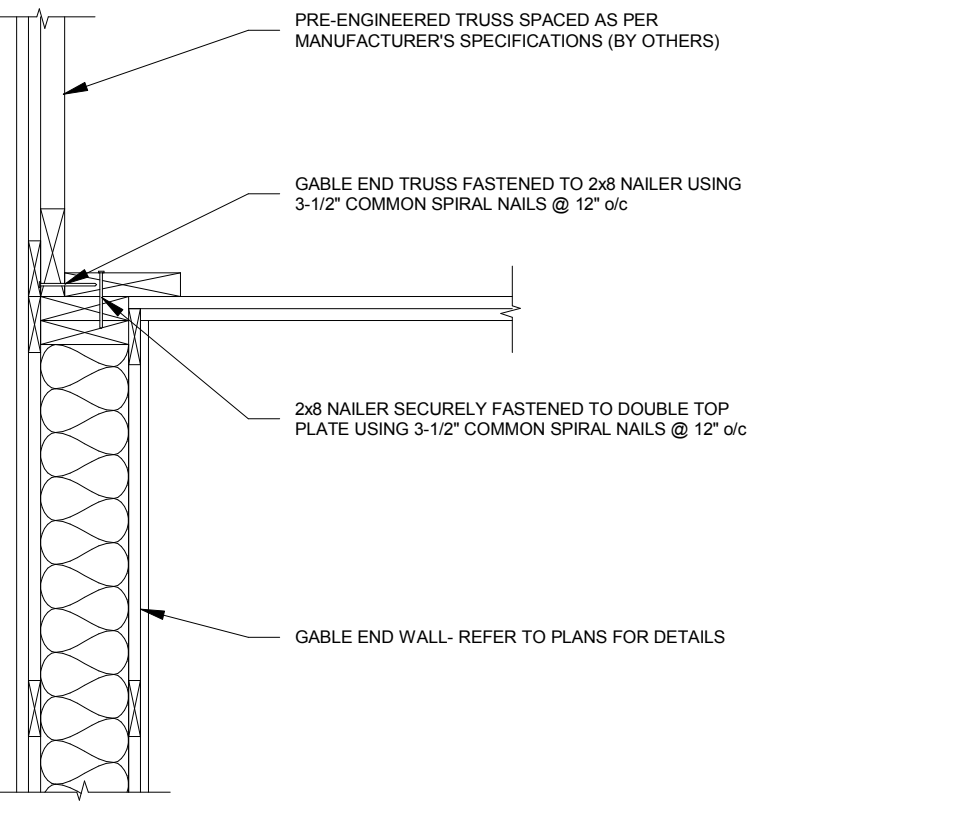
3 TYPICAL SECTION THROUGH END WALL  
1/2" = 1'-0"



4 SHEAR WALL DETAIL  
3/8" = 1'-0"



5 TYPICAL SIDE WALL TRUSS CONNECTION  
1" = 1'-0"



6 GABLE END TRUSS CONNECTION  
1" = 1'-0"

**NOTES:**

Ø	AT	OVERHEAD DOOR	
Øw	COMPLETE WITH	PROJECTION	
Ø	DIAMETER	P.T.	PRESSURE TREATED
FRR	FIRE-RESISTANCE RATING	rw	REINFORCED WITH
FN	FOUNDATION	SG	SLIDE GATE
ew	EACH WAY	T&G	TONGUE AND GROOVE
EX	EXISTING	tp	TOP OF
H	HORIZONTAL	Typ.	TYPICAL
LLV	LONG LEG VERTICAL	us	UNDERSIDE
LVL	LAMINATED VANEER LUMBER	v	VERTICAL
mb	MAXIMUM	w	WITH
mb	MINIMUM	w	WIDE
OC	ONTARIO BUILDING CODE	WWM	WELDED WIRE MESH
oc	ON CENTER		

**NORTH**

DESIGN	SF	No.	REVISION DESCRIPTION	MM/DD/YY	CHKD
DRAWN	SF	1.	ISSUED FOR APPROVAL	07/10/23	MR
CHECKED	MR				
APPROVED	MR				
DATE	JULY 2023				

CONSULTANT

**MR**  
ENGINEERING  
AND DESIGN LTD.  
CIVIL-COMMERCIAL-AGRICULTURAL

145 Thames Road, West, Unit 4, Exeter, ON, N0M 1S3  
Telephone: (519)-317-0120  
Email: admin@mrngdesign.com

CONTRACTOR

24089 BEAR CREEK RD RR3  
ILDERTON, ON  
N0M 2A0

LICENSED PROFESSIONAL ENGINEER  
M. W. RUNGE  
100162955  
PROVINCE OF ONTARIO

24089 BEAR CREEK RD RR3  
ILDERTON, ON  
N0M 2A0

STEVE FLANIGAN  
ACCESSORY STORAGE SHED

SECTIONS & DETAILS

PROJECT No.	MR23-261
SHEET No.	S-5
SCALE	As indicated

