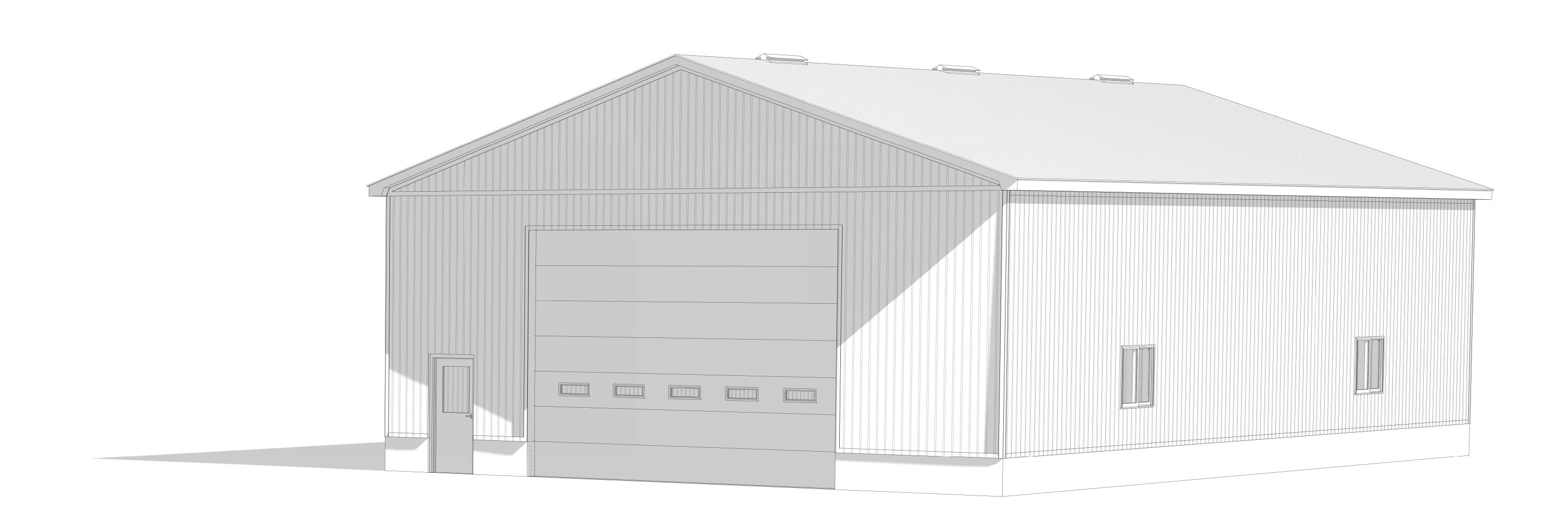
# STEVE FLANIGAN ACCESSORY STORAGE SHED ILDERTON, ON



# <u>DRAWINGS</u>

- 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

OTES:	NORTH						
		DESIGN	SF	No.	REVISION DESCRIPTION	MM/DD/YY	CH'KD
		DRAWN	SF	1.	ISSUED FOR APPROVAL	07/10/23	MR
		CHECKE	) MR				
		APPROVE	D MR				
		DATE	JULY 2023				i
							i 1

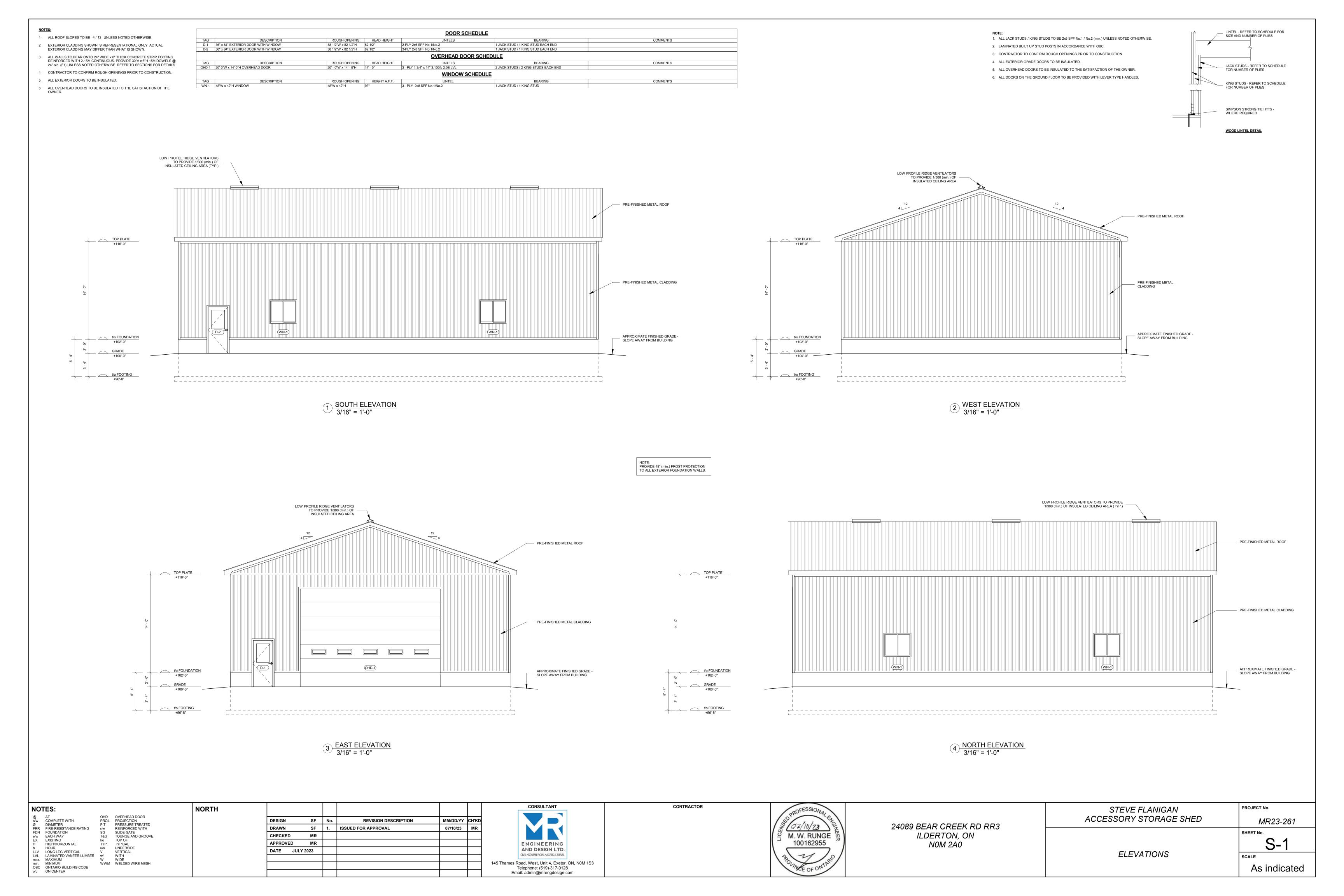


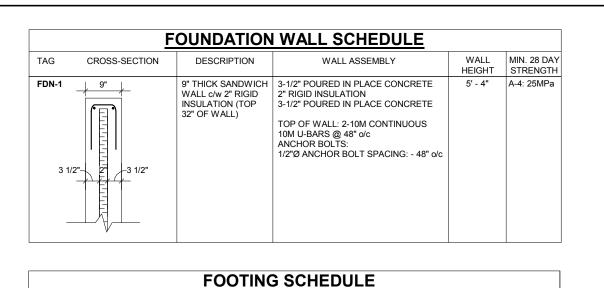


CONTRACTOR

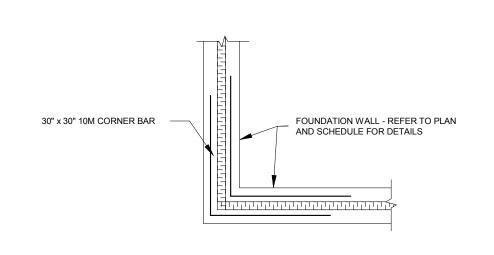
24089 BEAR CREEK RD RR3 ILDERTON, ON NOM 2A0

STEVE FLANIGAN	PROJECT No.
ACCESSORY STORAGE SHED	MR23-261
	SHEET No.
	S-0
TITLE SHEET	SCALE

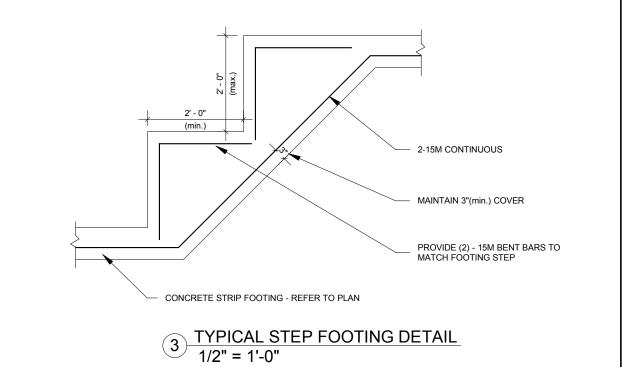


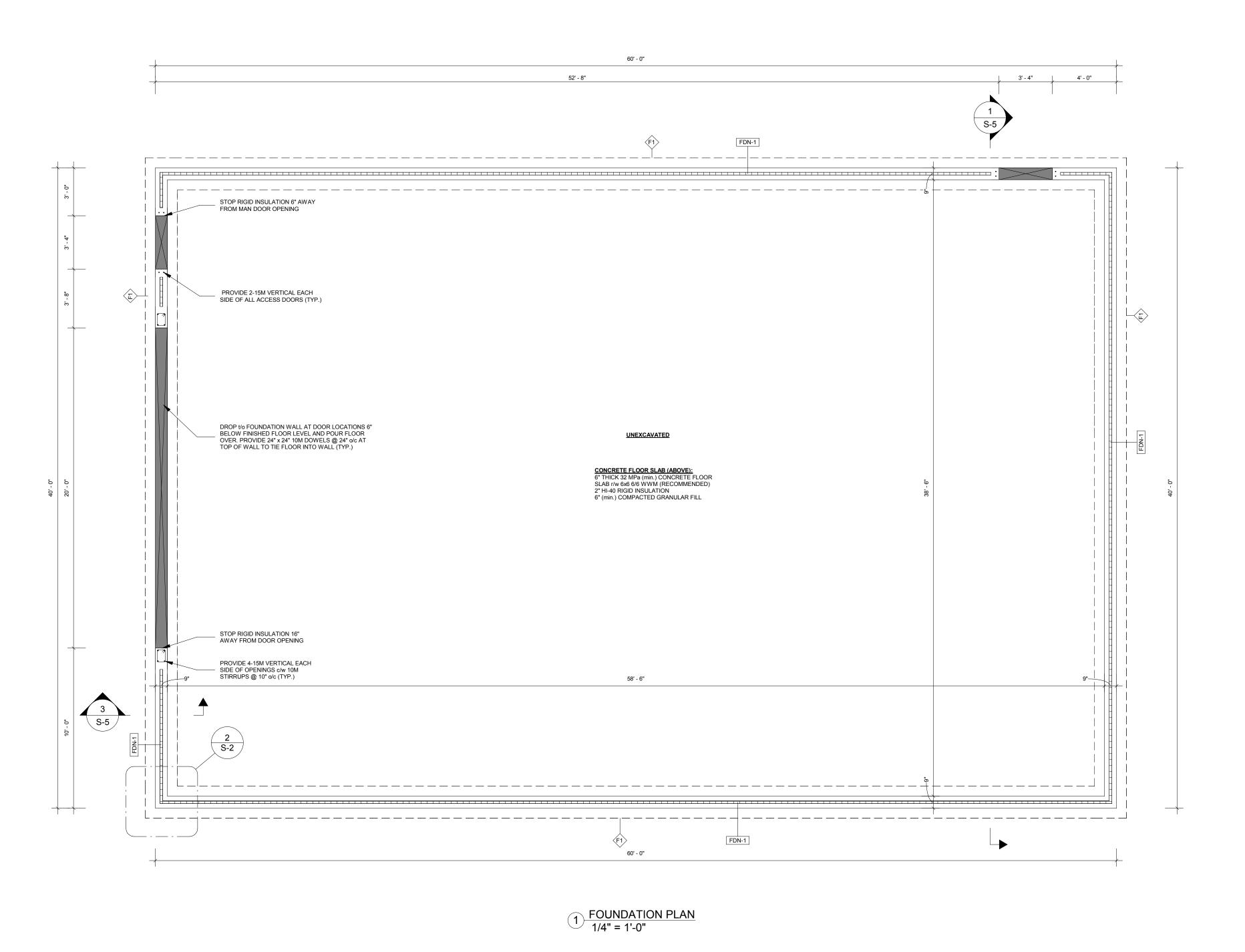


		FOOTING SCHEDULE	
TAG	CROSS-SECTION	DESCRIPTION	MIN. 28 DAY STRENGTH
F1	24"	24" WIDE x 8" THICK CONCRETE STRIP FOOTING REINFORCED WITH 2-15M CONTINUOUS. PROVIDE 30"V x 6"H 15M DOWELS @ 24" o/c	N-20MPa



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





CONTRACTOR

NOTES:						
@ c/w Ø FRR FDN e/w EX. H h LLV LVL max. min. OBC o/c	AT COMPLETE WITH DIAMETER FIRE-RESISTANCE RATING FOUNDATION EACH WAY EXISTING HIGH/HORIZONTAL HOUR LONG LEG VERTICAL LAMINATED VANEER LUMBER MAXIMUM MINIMUM ONTARIO BUILDING CODE ON CENTER	OHD PROJ. P.T. r/w SG T&G t/o TYP. u/s V W/ W	OVERHEAD DOOR PROJECTION PRESSURE TREATED REINFORCED WITH SLIDE GATE TOUNGE AND GROOVE TOP OF TYPICAL UNDERSIDE VERTICAL WITH WIDE WELDED WIRE MESH			

NORTH						
	DESIGN	SF	No.	REVISION DESCRIPTION	MM/DD/YY	CH,
	DRAWN	SF	1.	ISSUED FOR APPROVAL	07/10/23	М
	CHECKED	) MR				
	APPROVE	D MR				
	DATE	JULY 2023				
Y						
<u>'</u>						





24089 BEAR CREEK RD RR3 ILDERTON, ON NOM 2A0

STEVE FLANIGAN	
ACCESSORY STORAGE SHED	

FOUNDATION PLAN - SECTIONS & DETAILS

MR23-261

SHEET No.

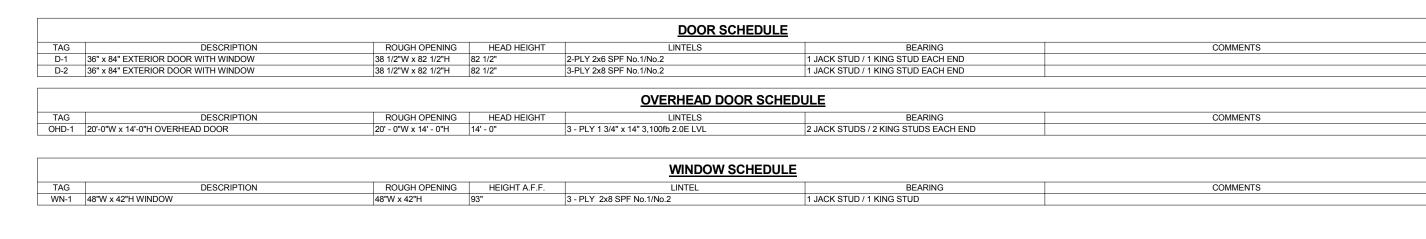
S-2

SCALE

PROJECT No.

As indicated

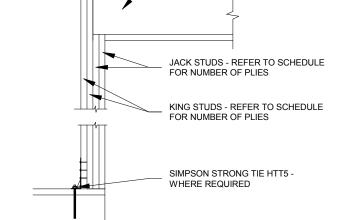
	WALL SCHEDULE							
TAG	CROSS-SECTION	DESCRIPTION	WALL ASSEMBLY	WALL HEIGHT				
EXTERIOR FACE	INTERIOR FACE	2x6 HEATED FRAMED WALL	EXTERIOR  29ga. HI-RIB STEEL c/w SCREW FASTENERS 1x4 STRAPPING @ 24" o/c TYVEK AIR BARRIER (OR EQUIVALENT) 2x6 SPF No.1/No.2 WOOD STUDS @ 16" o/c SOLID WOOD BLOCKING @ 48" o/c VERTICALLY R22 ROXULL BATT INSULATION 6 mil. POLY VAPOUR BARRIER 1x4 STRAPPING @ 24" o/c 29 ga. LOW-RIB STEEL c/w SCREW FASTENERS	14' - 0"				



NOTE:

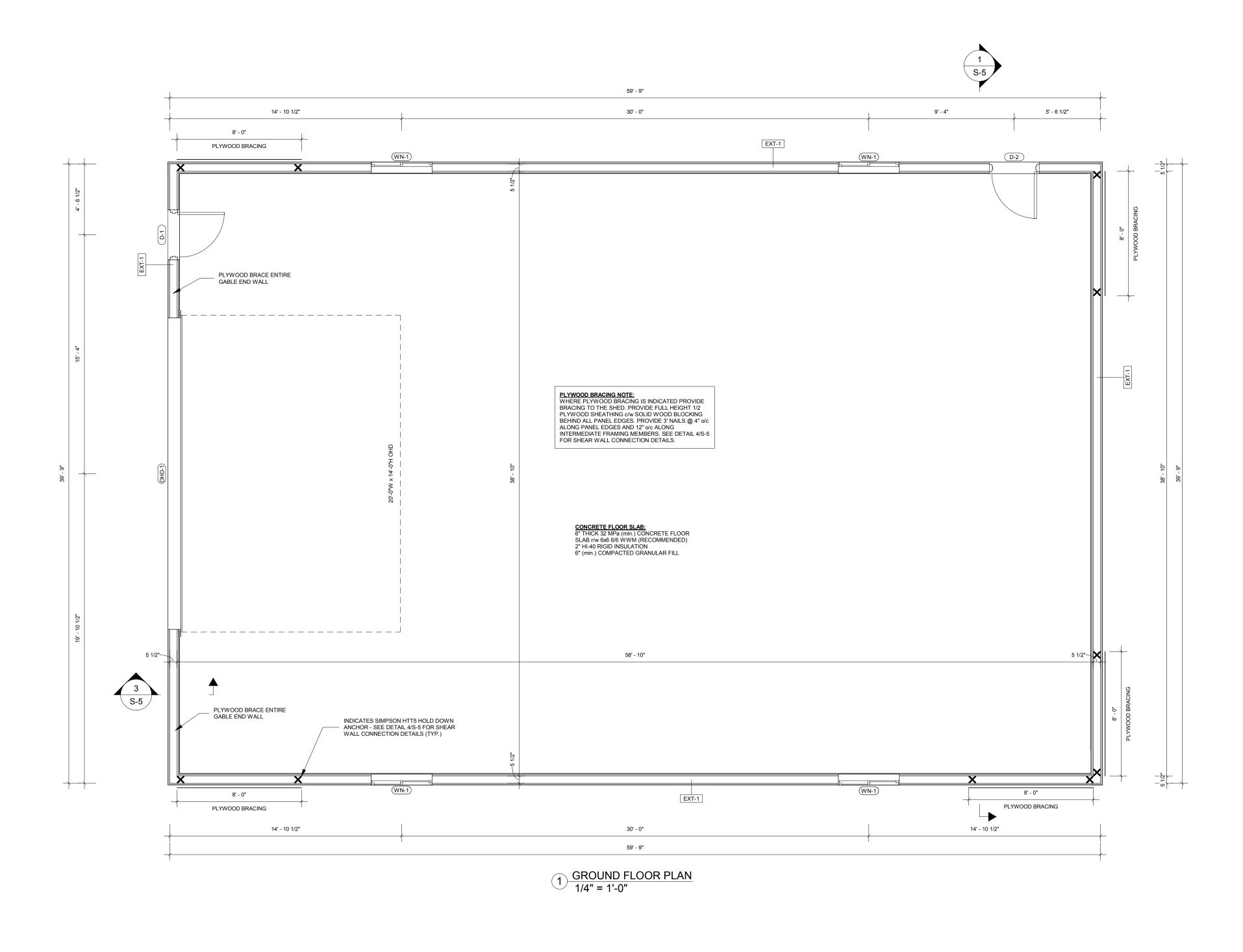
1. ALL JACK STUDS / KING STUDS TO BE 2x6 SPF No.1 / No.2 (min.) UNLESS NOTED OTHERWISE.

- 2. LAMINATED BUILT UP STUD POSTS IN ACCORDANCE WITH OBC.
- 3. CONTRACTOR TO CONFIRM ROUGH OPENINGS PRIOR TO CONSTRUCTION.
- 4. ALL EXTERIOR GRADE DOORS TO BE INSULATED.
- 5. ALL OVERHEAD DOORS TO BE INSULATED TO THE SATISFACTION OF THE OWNER.6. ALL DOORS ON THE GROUND FLOOR TO BE PROVIDED WITH LEVER TYPE HANDLES.



WOOD LINTEL DETAIL

LINTEL - REFER TO SCHEDULE FOR SIZE AND NUMBER OF PLIES



CONTRACTOR

NOTES:

@ AT OHD OVERHEAD DOOR
c/w COMPLETE WITH PROJ. PROJECTION
Ø DIAMETER P.T. PRESSURE TREATED
FRR FIRE-RESISTANCE RATING r/w REINFORCED WITH
FDN FOUNDATION SG SLIDE GATE
e/w EACH WAY T&G TOUNGE AND GROOVE
EX. EXISTING t/o TOP OF
H HIGH/HORIZONTAL TYP. TYPICAL
h HOUR U/S UNDERSIDE
LLV LONG LEG VERTICAL V VERTICAL
LVL LAMINATED VANEER LUMBER W/WITH
max. MAXIMUM W WIDE
min. MINIMUM WW WELDED WIRE MESH
OBC ON CENTER

NORTH

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

ENGINEERING
AND DESIGN LTD.
CIVIL-COMMERCIAL-AGRICULTURAL

145 Thames Road, West, Unit 4, Exeter, ON, NOM 1S3
Telephone: (519)-317-0128
Email: admin@mrengdesign.com

PROFESSIONAL PROPESSIONAL PROPE

24089 BEAR CREEK RD RR3 ILDERTON, ON NOM 2A0 STEVE FLANIGAN ACCESSORY STORAGE SHED

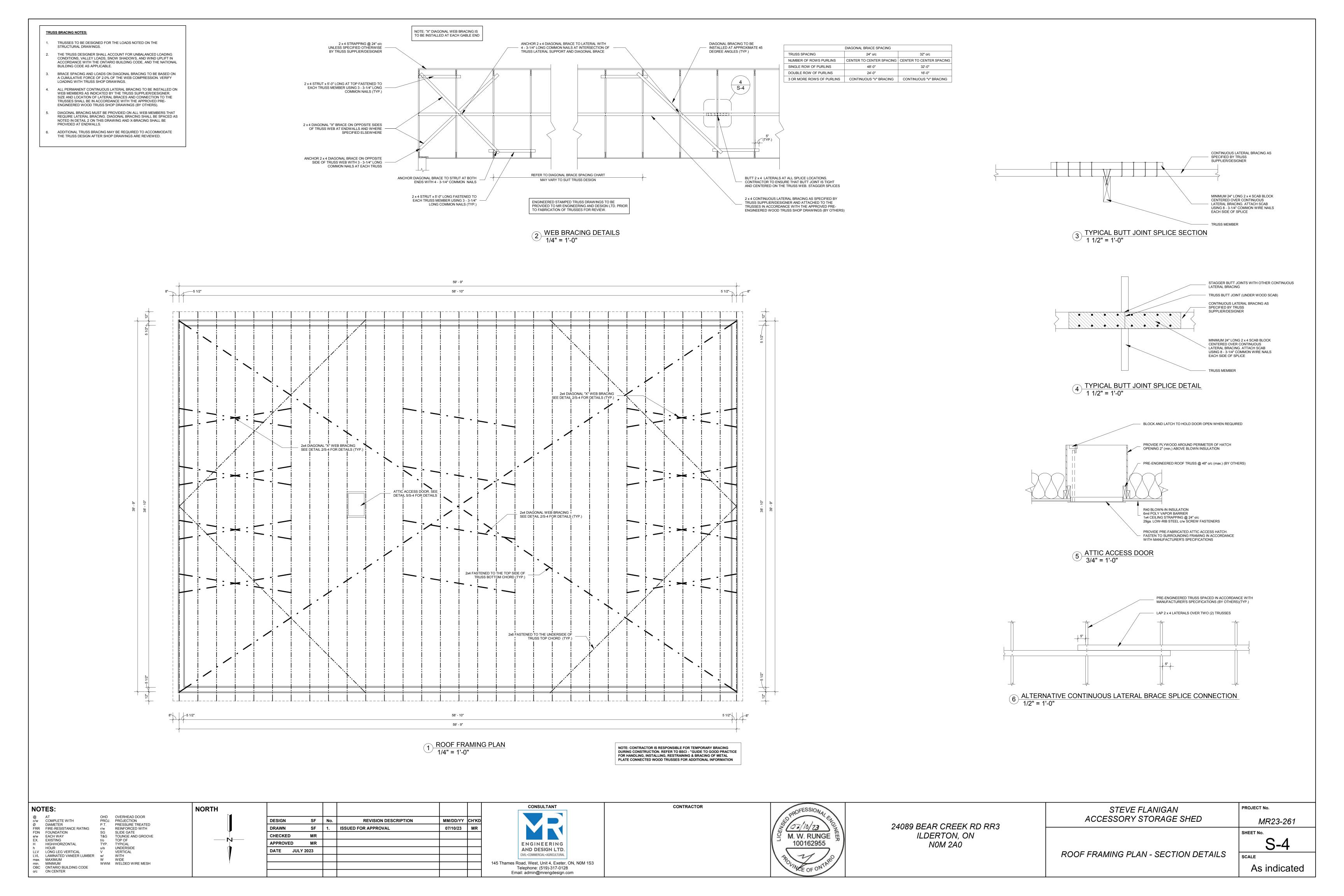
GROUND FLOOR PLAN - SECTION DETAILS

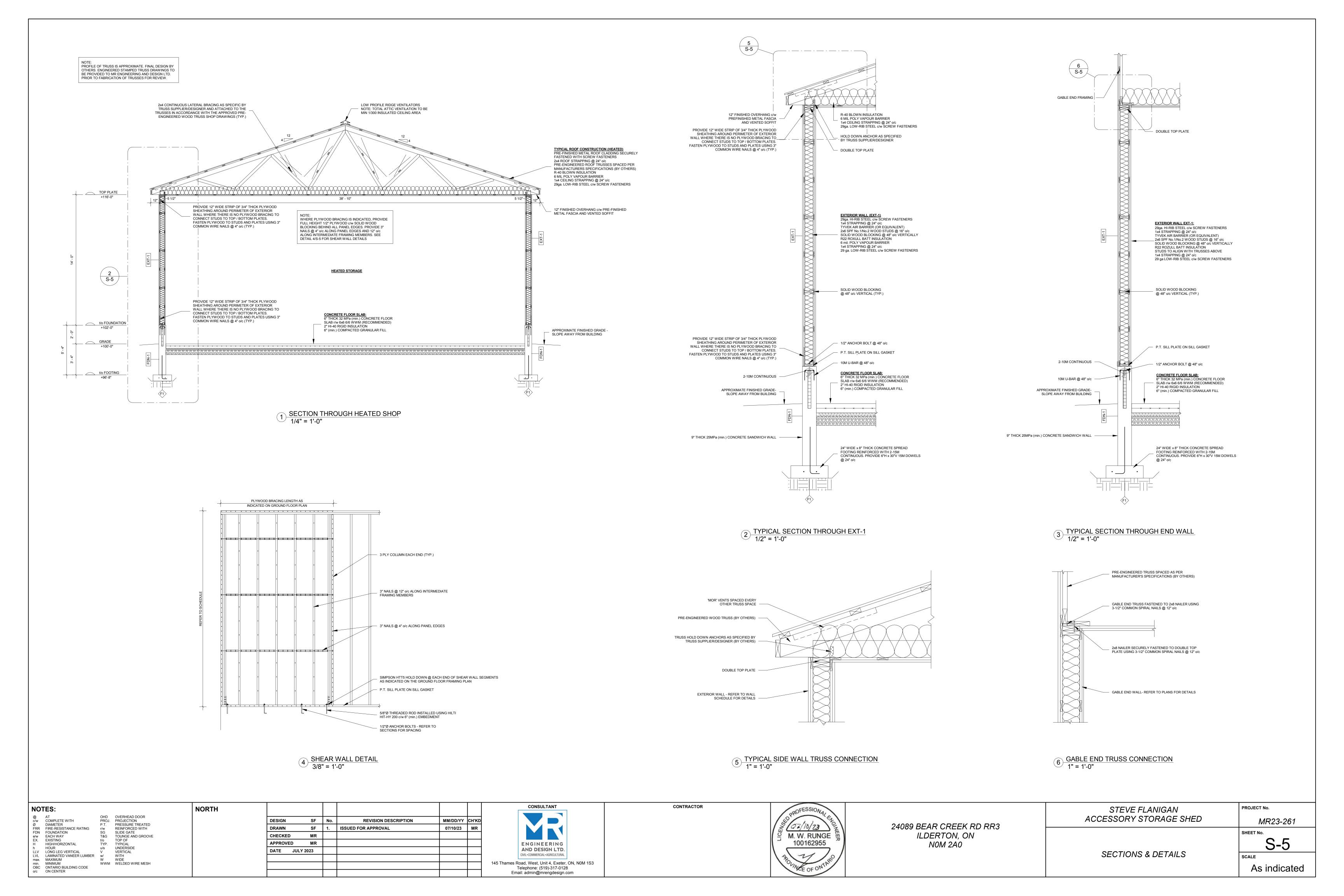
S-3
scale
As indicated

MR23-261

PROJECT No.

SHEET No.





### **GENERAL NOTES:**

GROSS FOOTPRINT (EXTERIOR OF FOUNDATION WALLS): 222.9m² (2,400 SQ.FT.) TOTAL FOOT PRINT: 222.9m<sup>2</sup> (2,400 SQ.FT)

ALL DIMENSIONS ARE IN IMPERIAL UNITS UNLESS NOTED OTHERWISE

- THESE PLANS AND SPECIFICATIONS WERE PREPARED FOR THE PURPOSES OF STRUCTURAL DESIGN ONLY. AS GENERAL CONTRACTOR, THE 2. OWNER BEARS FULL RESPONSIBILITY FOR COORDINATION OF DESIGN, INCLUDING BUT NOT LIMITED TO MECHANICAL, ELECTRICAL, PLUMBING, VENTILATION SYSTEMS, SITE GRADING AND DRAINAGE.
- THE CONTRACTOR IS TO CHECK AND VERIFY ALL DIMENSIONS ON THE STRUCTURAL DRAWINGS WITH OTHER DRAWINGS. ANY 3. DISCREPANCIES OR ERRORS MUST BE REPORTED TO THE ENGINEER PRIOR TO COMMENCING WORK.
- FEATURES OF CONSTRUCTION NOT FULLY SHOWN ARE OF THE SAME CHARACTER AS THOSE NOTED FOR SIMILAR CONDITIONS.
- STRUCTURAL DESIGN IS BASED ON THE LATEST EDITION OF THE NATIONAL AND ONTARIO BUILDING CODE.
- THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING FOR THE INSPECTION OF STRUCTURAL REINFORCING AND STRUCTURAL STEEL FOR 7. ALIGNMENT, BOLTS AND WELDED CONNECTIONS AND FOR THE PROMPT SUBMISSION OF ALL REPORTS TO THE PROJECT ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE TO PROVIDE ADEQUATE PROVISIONS FOR TEMPORARY BRACING DURING CONSTRUCTION TO RESIST THE 8. APPLIED LOADS THAT ARE INDICATED IN THESE DRAWINGS AND SUBSEQUENT DRAWINGS BY OTHERS.
- ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS.

### **EXCAVATION & BACKFILL**

- 1. REMOVE ALL TOPSOIL AND DELETERIOUS MATERIAL FROM BELOW THE EXTENTS OF THE EXCAVATION.
- 2. SLOPE GRADE TO DRAIN AWAY FROM BUILDINGS.
- 3. FOUND FOOTINGS WHICH ARE EXPOSED TO FREEZING WEATHER A MINIMUM OF 4'-0" BELOW FINISHED GRADE UNLESS SPECIFIED OTHERWISE.
- 4. FOUND ALL FOOTINGS ON NATURALLY CONSOLIDATED, UNDISTURBED SOIL CAPABLE OF SAFELY SUSTAINING 150 kPa (3,100 psf) AT SERVICEABILITY LIMIT STATES (SLS) CORRESPONDING TO DENSE OR COMPACT SAND OR GRAVEL (TABLE 9.4.4.1. O.B.C.).
- 5. GRANULAR FILL UNDER FOOTINGS SHALL BE FREE-DRAINING CLEAN GRANULAR "B" (OR BETTER) MATERIAL COMPACTED TO A MINIMUM 100% SPMDD. NO FILL SHALL BE PLACED UNDER FOOTINGS UNLESS MONITORED, INSPECTED AND APPROVED BY A QUALIFIED GEOTECHNICAL ENGINEER.
- 6. BACKFILL AND COMPACT FOUNDATION WALLS BELOW GRADE WITH MAXIMUM 2'-0" DIFFERENTIAL IN ELEVATION FROM ONE SIDE TO THE OTHER. 7. DO NOT BACKFILL FOUNDATION WALLS RETAINING EARTH ON ONE SIDE ONLY UNTIL THE FLOOR CONSTRUCTIONS AT BOTH THE TOP AND BOTTOM
- 8. NO FOOTINGS SHALL BE POURED UNTIL THE BUILDING DEPARTMENT HAS APPROVED THE FOUNDATION CONDITIONS.
- 9. ALL STANDING WATER SHALL BE REMOVED FROM THE FOUNDATION EXCAVATION PRIOR TO POURING CONCRETE.
- 10. ENGINEER TO BE NOTIFIED IF EXCESSIVE UNDERGROUND WATER IS ENCOUNTERED.

1. CONCRETE SHALL CONFORM TO CSA A23.1,2,3 FOR QUALITY CONTROL AND REBAR PLACEMENT.

\* CONFORM TO: CAN/CSA-G30.18-M92 CSA-G30.5-M1983
\* WELDED WIRE FABRIC SHALL HAVE A MINIMUM YIELD STRENGTH fy = 448 MPa (65,000psi)

\* REINFORCING STEEL SHALL HAVE A MINIMUM YIELD STRENGTH

fy = 400 MPa (58,000psi)

HAVE BEEN CAST AND HAVE ATTAINED 100% OF THEIR DESIGN STRENGTH.

3. ALL REINFORCING BARS SHALL BE SUPPORTED IN THE FORMS AND SPACED WITH STANDARD ACCESSORIES SO THAT THERE IS NO MOVEMENT DURING CONCRETE PLACEMENT.

4. REINFORCING IS TO BE GENERALLY PLACED IN ACCORDANCE WITH REINFORCING STEEL INSTITUTE OF CANADA "MANUAL OF STANDARD  ${\tt PRACTICE".}\ \ {\tt ALL}\ \ {\tt SPLICES}\ \ {\tt SHALL}\ \ {\tt BE}\ \ {\tt CLASS}\ \ "{\tt B"}\ \ {\tt IN}\ \ {\tt ACCORDANCE}\ \ {\tt WITH}\ \ {\tt THE}\ \ {\tt FOLLOWING}\ \ {\tt TABLE}:$ 

CONCRETE	SPLICE LENGTH: mm (")				
REBAR SIZE	25MPa	30MPa	32MPa	35MPa	
10M	400 (16")	400 (16")	400 (16")	400 (16")	
15M	600 (24")	600 (24")	500 (20")	500 (20")	
20M	800 (32")	700 (28")	700 (28")	700 (28")	
25M	1200 (48")	1100 (44")	1100 (44")	1100 (44")	

- 5. THE ABOVE TABLE ALSO APPLIES TO ALL DOWELS UNLESS NOTED OTHERWISE.
- 6. ALL HORIZONTAL BARS SHALL BE HOOKED 600mm (24") AROUND CORNERS/WALL INTERSECTIONS UNLESS NOTED OTHERWISE.
- 7. PROVIDE 1-15M PER REINFORCEMENT LAYER OR CONCRETE LAYER AROUND ALL WINDOW, DOOR, MECHANICAL OR SIMILAR OPENINGS EXTENDING 24" (min.) BEYOND EACH CORNER OF THE OPENING.
- 8. THE CLEAR DISTANCE BETWEEN REINFORCING STEEL AND SURFACE OF CONCRETE SHALL BE AS FOLLOWS:——

EXPOSURE CLASS		RE CLASS
N	F-1,F-2,S-1,S-2	C-XL.C-1,C-3,A-1,A-2,A-3
	75mm 3"	75mm 3"
30mm 1-1/4"	40mm 1-1/2"	50mm 2"
20mm 3/4"	40mm 1-1/2"	60mm 2-3/8"
1.0	1.5	2.0
1.0	1.5	2.0
	30mm 1-1/4" 20mm 3/4" 1.0	N F-1,F-2,S-1,S-2  75mm 3"  30mm 1-1/4" 1-1/2"  20mm 3/4" 1.1/2"  1.0 1.5

9. UNLESS OTHERWISE SPECIFIED BY THE OWNER, REINFORCEMENT SHALL BE PLACED WITHIN THE FOLLOWING TOLERANCES: a) CONCRETE COVER: +/-12mm (1/2") BUT NO LESS THAN 1/3 OF THE SPECIFIED MINIMUM COVER b) WHERE THE DEPTH OF THE FLEXURAL MEMBER, THICKNESS OF A WALL, OR THE SMALLEST DIMENSION OF A COLUMN IS i) 200mm (8") OR LESS: +/- 8mm (1/4") ii) LARGER THAN 200mm (8") BUT LESS THAN 600mm (24"): 12mm (1/2")

iii) 600mm OR LARGER: +/-20mm (3/4") c) LATERAL SPACING OF BARS: +/-30mm (1-1/4")

d) LONGITUDINAL LOCATION OF BENDS AND ENDS OF BARS: +/-50mm (2")
e) LONGITUDINAL LOCATION OF BENDS AND ENDS AT DISCONTINUOUS ENDS OF MEMBERS: +/- 20mm (3/4")

- 10. ALL REINFORCING STEEL IN PLACE TO BE MADE AVAILABLE FOR INSPECTION BY ENGINEER BEFORE POURING THE CONCRETE. ENGINEER TO BE NOTIFIED WELL IN ADVANCE OF POURING SCHEDULE. ENGINEER TO CARRY OUT INSPECTION AT HIS DISCRETION.
- 11. ALL GRIT, MUD AND DEBRIS SHALL BE REMOVED FROM THE REINFORCING STEEL PRIOR TO THE PLACEMENT OF CONCRETE.
- 12. PROVIDE PORTLAND CEMENT OF CANADIAN MANUFACTURE CONFORMING WITH CSA/CAN 3-A5, TYPE 10.
- 13. CONTROL JOINTS IN SLABS ON GRADE SHALL BE 1/4 THE THICKNESS OF THE SLAB. SPACING OF THE CONTROL JOINTS IN SLABS ON GRADE SHALL NOT EXCEED THE GREATER OF 30 TIMES THE THICKNESS OF THE SLAB OR 15'-0".
- 14. PROVIDE CLEAN, UNCOATED SAND AND COARSE AGGREGATES FROM APPROVED SOURCES WHICH CONFORM WITH CSA/CAN 3-A2M. REFER TO THE CONCRETE SPECIFICATIONS PROVIDED BELOW FOR AGGREGATE SIZE.
- 15. PROVIDE PLASTICIZER OF WATER REDUCING ADD MIXTURE WHERE INCREASED WORKABILITY IS REQUIRED. **DO NOT ADD WATER ON-SITE.**
- 16. USE HIGH FREQUENCY VIBRATION TO PLACE ALL CONCRETE.
- 17. ALL CONCRETE SHALL HAVE A 3" SLUMP +/-1". 18. TAKE ADEQUATE MEASURES TO PROTECT CONCRETE FROM EXPOSURE TO FREEZING TEMPERATURES AT LEAST SEVEN DAYS AFTER CONCRETE PLACEMENT.
- 19. ALL CONCRETE SHALL BE TESTED BY A CSA CERTIFIED CONCRETE TESTING LABORATORY.
- i) CURING TYPE 1 3 DAYS @ 10°C TO ATTAIN 40% OF THE SPECIFIED STRENG TH.
- ii) CURING TYPE 2 7 DAYS @ 10℃ TO ATTAIN 70% OF THE SPECIFIED STRENG TH. iii) CURING TYPE 3 - A WET CURING PERIOD OF 7 DAYS.

CONCRETE SPECIFICATIONS						
DESCRIPTION	CLASS OF CONCRETE	STRENGTH @ 28 DAYS	W/CM RATIO	AIR ENTRAINMENT	CURING TYPE	AGGREGATE
FOOTINGS	N	20MPa	N/A	N/A	1	14-20mm
FOUNDATION WALLS	F-2	25MPa	0.55	4-7%	1	14-20mm
EXTERIOR / INTERIOR SLABS	C-2	32MPa	0.45	5-8%	2	14-20mm

- 1. LUMBER SHALL BE No. 2 GRADE SPECIES SPF OR BETTER UNLESS NOTED OTHERWISE.
- 2. ALL LAMINATED VENEER LUMBER (LVL) SHALL BE 2.0E Fb 3,100 R BETTER UNLESS NOTED OTHERWISE.
- 3. ALL COLUMNS SHALL BE No.1 GRADE SPECIES SPF OR BETTER UNLESS NOTED OTHERWISE.
- 4. ALL WOOD IN CONTACT WITH CONCRETE OR SOIL/EARTH SHALL BE PRESSURE TREATED.
- 5. ALL PLYWOOD SHALL CONFORM TO CSA STANDARD 0121 OR 0151. 6. ALL OSB SHALL CONFORM TO CSA O325 CONSTRUCTION SHEATHING OR CSA O437.0 WAFERBOARD WITH MINIMUM PANEL MARK FOR 0325 OSB
- 7. ALL NAILS/FASTENERS USED WITH PRESSURE TREATED LUMBER SHALL BE GALVANIZED OR ACQ QUALIFIED.
- 8. ALL MANUFACTURED CONNECTORS/HARDWARE TO BE GALVANIZED.
- 9. ALL NAILING SHALL BE AS PER NBCC/OBC UNLESS NOTED OTHERWISE. NAILS AND SPIKES SHALL CONFORM TO THE CSA STANDARD B111 "WIRE NAILS,
- 10. ALL BOLTS USED FOR WOOD CONNECTIONS SHALL BE A307 (min.). WHERE BOLTS ARE EXPOSED TO CORROSIVE ENVIRONMENTS, A307 (min.) HOT DIPPED GALVANIZED BOLTS, NUTS, WASHERS SHALL BE USED.
- 11. STUD WALLS SHALL BE ANCHORED TO THE FOUNDATION 1/2"Ø ANCHOR BOLTS SPACED AS INDICATED ON THE DRAWINGS

### TRUSSES:

- 1. THE ROOF TRUSSES ARE TO BE DESIGNED FOR THE SPECIFIED LOADS. THE SUPPLIER IS TO PROVIDE ERECTION AND MEMBER FABRICATION DRAWINGS STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE PROVINCE OF ONTARIO. THE DRAWINGS MUST INDICATE DESIGN LOADS, TIMBER SPECIES, GRADES, BRACING AND CONNECTORS. ALL TRUSSES MUST BE ANCHORED WITH APPROPRIATE TIE-DOWN METAL ANCHORS TO RESIST UPLIFT AS CALCULATED AND SHOWN IN THE TRUSS DESIGN CALCULATIONS AND TRUSS DRAWINGS.
- 2. THE BEARING SHOWN ON THE DRAWINGS IS THE MAXIMUM WIDTH TO BE PROVIDED AND THE TRUSS MANUFACTURER MUST DESIGN THE
- 3. ALL PERMANENT BRACING FOR TRUSSES SHALL BE SECURELY ANCHORED BY BACK BRACING DIAGONALLY OR ATTACHING TO END WALLS ACCORDING TO GUIDELINES PUBLISHED BY THE CANADIAN WOOD TRUSS ASSOCIATION.
- 4. UNBALANCED LOADING CONDITIONS SHALL BE INCLUDED IN THE TRUSS DESIGN.
- 5. TRUSS DESIGNER TO ACCOUNT FOR INCREASE SNOW LOADS DUE TO ROOF VALLEYS AND SNOW SHADOWS/DRIFTING.
- 6. TRUSS SHOP DRAWINGS SHALL BE PROVIDED TO THE ENGINEER TO REVIEW PRIOR TO FABRICATION. DESIGN LOADS AND ASSUMPTIONS

# STRUCTURAL STEEL:

- 1. STRUCTURAL STEEL SHALL CONFORM TO THE REQUIREMENTS OF CSA SPECIFICATIONS S16.1 (LATEST EDITION) AND CSA SPECIFICATIONS G40.20 AND G40.21, TYPE 350W (LATEST EDITION) FOR BEAMS AND 350W FOR HSS (CLASS C).
- 2. BOLTED CONNECTIONS SHALL BE MADE USING FRICTION TYPE CONNECTION AND HIGH TENSILE STRENGTH BOLTS (A325 min.). WHERE BOLTS ARE EXPOSED TO CORROSIVE ENVIRONMENTS, A325 (min.) HOT DIPPED GALVANIZED BOLTS, NUTS, WASHERS SHALL BE USED.
- 3. STRUCTURAL STEEL FABRICATOR TO BE CERTIFIED BY THE CANADIAN WELDING BUREAU.
- 4. THE WELDING SHALL CONFORM TO THE REQUIREMENTS OF CSA STANDARD W59 (LATEST EDITION) AND THE WELDING COMPANY AND WELDERS SHALL BE QUALIFIED UNDER THE REQUIREMENTS OF CSA STANDARD W57 (LATEST EDITION) FOR THE APPROPRIATE POSITION.
- 5. STEEL SHALL BE THOROUGHLY CLEANED AND HOT DIPPED GALVANIZED. AREAS AFFECTED BY WEATHERING, DAMAGE DUE TO HANDLING ETC., SHALL HAVE THE RUST REMOVED AND BE "TOUCHED UP" IN THE FIELD.
- 6. NO SPLICES IN BEAMS AND COLUMNS WILL BE ALLOWED WITHOUT WRITTEN APPROVAL OF THE ENGINEER. BUTT WELDS IN SPLICES AND MOMENT CONNECTIONS MUST BE ULTRASONICALLY TESTED OR X-RAYED AND PASSED BY AN INDEPENDENT TESTING COMPANY.
- 7. DO NOT CUT OPENINGS IN STRUCTURAL STEEL MEMBERS WITHOUT THE ENGINEER'S APPROVAL.
- 8. THE CONTRACTOR/STEEL SUPPLIER SHALL PROVIDE AND REMOVE AFTERWARDS ALL TEMPORARY BRACING NECESSARY TO KEEP THE STRUCTURE TRUE AND PLUMB. ALL TEMPORARY BRACING SHALL ACCOUNT FOR CONSTRUCTION AND ENVIRONMENTAL LOADS DURING
- CONSTRUCTION. 9. CONTRACTOR TO VERIFY SITE MEASUREMENTS PRIOR TO FABRICATION OF STEEL.

### SITE REVIEW:

- 1. THE CONTRACTOR/OWNER SHALL CONTACT THE LOCAL MUNICIPAL BUILDING DEPARTMENT TO PERFORM SITE REVIEWS OF CONSTRUCTION IN ACCORDANCE WITH OBC DIVISION C SECTION 1.3.5.
- 2. IN ACCORDANCE WITH OBC DIVISION C SECTION 1.2.2.1. THE CONTRACTOR/OWNER SHALL RETAIN THE SERVICES OF A PROFESSIONAL ENGINEER TO PERFORM A GENERAL REVIEW TO ENSURE THAT THE CONSTRUCTION IS IN GENERAL CONFORMITY WITH THE PLANS
- 3. THE FOLLOWING INSPECTIONS SHALL BE REQUIRED:
- a) FOOTINGS WHEN THE CONCRETE FORMWORK AND REINFORCING STEEL HAVE BEEN SET AND ARE READY FOR THE PLACEMENT OF
- b) FOUNDATION WALLS WHEN THE CONCRETE FORMWORK AND REINFORCING STEEL HAVE BEEN SET AND ARE READY FOR THE PLACEMENT OF
- c) FRAMING INSPECTION WHEN THE BUILDING HAS BEEN COMPLETELY FRAMED, PRIOR TO INSTALLING INTERIOR OR EXTERIOR SHEATHING THAT WOULD PREVENT A VISUAL INSPECTION OF KEY FRAMING COMPONENTS d) TRUSS INSPECTION - WHEN THE TRUSSES AND ASSOCIATED BRACING HAVE BEEN COMPLETED, PRIOR TO INSTALLING CEILING FINISHES
- e) FINAL REVIEW WHEN THE STRUCTURAL COMPONENTS OF THE FACILITY HAVE BEEN COMPLETED 4. THE CONTRACTOR/OWNER TO NOTIFY THE ENGINEER @ 519-317-0128. ADEQUATE NOTICE IS ANTICIPATED AND EXPECTED.

## **DESIGN INFORMATION:**

BUILDING IMPORTANCE: Is (ULS) 0.75 SB-1 LOCATION (AILSA CRAIG, ON - 13km +/- FROM BUILDING LOCATION)

# BUILDING LOCATION (24089 BEAR CREEK RD ILDERTON, ON)

SNOW (Ss)	2.2 kPa (43.9 psf)	
RAIN (Sr)	0.4 kPa (8.4 psf)	
СЬ	0.55	

SPECIFIED BALANCED SNOW LOAD (S) = Is ( Ss x Cb + Sr)	1.35 kPa (28.2 psf)
TRUSS DESIGN DEAD LOADS TOP CHORD DEAD LOAD	0.15 kPa (3.0 psf)
BOTTOM CHORD DEAD LOAD	0.35 kPa (7.0 psf) 0.50 kPa (10.0 psf)
WIND PRESSURE q 1/50 YEAR	0.50 kPa (10.0 psf)

CATEGORY 2

OPEN

# 1. ALL DESIGN LOADS ARE <u>UNFACTORED</u>

WIND DESIGN CATEGORY

2. ALL LOADS AND LOAD COMBINATIONS TO BE IN ACCORDANCE WITH THE LATEST EDITION OF PART 4 OF THE ONTARIO BUILDING CODE.

MUNICIPALITY OF MIDDLESEX CENTRE ZONING BY-LAW (2005-005) AGRICULTURAL SMALL HOLDING A1 ZONE			
DETAIL	REQUIRED	PROPOSED	COMMENTS
LOT AREA	0.5 ac (min.) / 1.48 ac (max.)	1.16 ac (EXISTING)	REDUCED LOT REQUIRMENTS
LOT FRONTAGE	30 m (min.)	EXISTING	
FRONT YARD	30 m (min.)	33.9 m	CLOSER TO FRONT LOT LINE THAN EXISTING RESIDENCE
INTERIOR SIDE YARD	1.5 m (min.)	1.5 m	
REAR YARD	1.5 m (min.)	15.2 m	
BUILDING HEIGHT	6.5 m (max.)	7.21 m	0.71 m RELIEF
ACCESSORY SIZE	1,184 ft²	2,400 ft <sup>2</sup>	1,216 ft² RELIEF

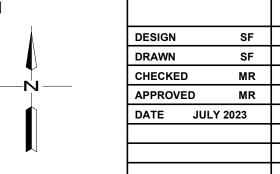
A Company of the Comp	
To the trade of the state of th	
No. Roy Man H. Roy Man	
Reference to the state of the s	
PROPOSED 2,400 SQ.FT.	BEARCHETTA ROAD
PROPOSED 2,400 SQ.FT. (222.9 m²) ACCESSORY SHED	Wit Road
NINNIN RONT VARIO SET RACE	
EXISTING GRAVEL LANEWAY	
30.5 18.	
No. of the second secon	<b>3</b> 0.★
AND THE PROPERTY OF THE PROPER	**************************************
THE TROUBLE TO THE TOTAL PROPERTY OF THE PROPE	
EXISTING WOOD DECK	NOTE:  1 EXISTING PROPERTY BOLINDARY AND EXISTING FEATURES ARE
	APPROXIMATE AND ARE BASED ON GIS DATA AND SATELLITE IMAGERY. A DETAILED SURVEY WAS NOT CONDUCTED BY THIS OFFICE, HOWEVER, CAN BE COMPLETED UPON REQUEST.  2. SITE LOCATION PLAN IS CONCEPTUAL. FINAL SITING (BY OTHERS)
1 SITE LOCATION PLAN 1" = 30'-0"	

NOTES:				
@	AT	OHD		
c/w	COMPLETE WITH	PROJ.		
Ø	DIAMETER	P.T.		
FRR	FIRE-RESISTANCE RATING	r/w		
FDN	FOUNDATION	SG		
e/w	EACH WAY	T&G		
EX.	EXISTING	t/o		
Н	HIGH/HORIZONTAL	TYP.		
h	HOUR	u/s		

max. MAXIMUM min. MINIMUM

PROJECTION REINFORCED WITH SLIDE GATE TOUNGE AND GROOVE TYPICAL UNDERSIDE VERTICAL WITH WIDE LV LONG LEG VERTICAL /L LAMINATED VANEER LUMBER WWM WELDED WIRE MESH OBC ONTARIO BUILDING CODE o/c ON CENTER





SF No. REVISION DESCRIPTION MM/DD/YY CH'KD SF 1. ISSUED FOR APPROVAL 07/10/23 MR

CONSULTANT ENGINEERING AND DESIGN LTD. CIVIL. COMMERCIAL. AGRICULTURAL 145 Thames Road, West, Unit 4, Exeter, ON, N0M 1S3 Telephone: (519)-317-0128 Email: admin@mrengdesign.com

CONTRACTOR



24089 BEAR CREEK RD RR3 ILDERTON, ON NOM 2A0

STEVE FLANIGAN ACCESSORY STORAGE SHED

PROJECT No.

GENERAL NOTES - SITE LOCATION PLAN

As indicated

MR23-261