## BY THE CONTRACTOR FOR REQUIRED INSPECTIONS OF THE FOUNDATION, REINFORCING STEEL PLACEMENT AND FRAMING. IN ACCORDANCE WITH OBC DIV. C 1.2.2. ENGINEER SHALL BE CONTACTED PRIOR TO ALL CONCRETE POURS AND PRIOR TO INSTALLATION OF INTERIOR FINISHED AND CLADDING THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL SITE CONDITIONS AND MEASUREMENTS AND REPORT ANY DISCREPANCIES OR UNSATISFACTORY CONDITIONS IMMEDIATELY TO THE ENGINEER, WHICH MAY ADVERSELY AFFECT THE PROPER COMPLETION OF THE JOB BEFORE PROCEEDING WITH THE WORK NO CHANGES SHALL BE MADE WITHOUT THE ENGINEER'S APPROVAL. 8. CONTRACTOR SHALL MAKE ADEQUATE PROVISIONS FOR TEMPORARY 9. RACING AND SHORING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN LOADS NOTED ON DRAWINGS. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL WORK AND CONSTRUCTION MEETS CURRENT FEDERAL, PROVINCIAL, COUNTY AND LOCAL CODES, ORDINANCES AN REGULATIONS, ETC. THESE CODES ARE TO BE CONSIDERED AS PART OF THE SPECIFICATIONS FOR THIS BUILDING AND SHOULD BE ADHERED TO EVEN IF THEY ARE IN VARIANCE WITH THE PLAN. THE INFORMATION ON THIS SET OF CONSTRUCTION DOCUMENTS IS RELATED TO BASIC DESIGN INTENT AND FRAMING DETAILS. THEY ARE INTENDED AS A CONSTRUCTION AID, NOT A SUBSTITUTE FOR GENERALLY ACCEPTED GOOD BUILDING PRACTICE. THE GENERAL

CONFORM TO LATEST EDITIONS OF THE FOLLOWING:

NATIONAL BUILDING CODE

LOCAL REGULATIONS OHSA REGULATIONS

ONTARIO BUILDING CODE
NATIONAL FARM BUILDING CODE

DRAWINGS ARE NOT TO BE SCALED.

GENERAL NOTES

CONSTRUCTION DETAILS AND PROCEDURES TO ENSURE A PROFESSIONALLY FINISHED, STRUCTURALLY SOUND AND WEATHERPROOF COMPLETED PRODUCT THE DESIGNER HAS NOT BEEN ENGAGED FOR CONSTRUCTION SUPERVISION AND ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION COORDINATING WITH THESE PLANS, NOR RESPONSIBILITY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. SUBMIT SHOP DRAWINGS PRIOR TO FABRICATION FOR THE (IF SPECIFIED ON THE DRAWINGS HEREIN)

CONTRACTOR IS RESPONSIBLE FOR PROVIDING STANDARD

DESIGN LOADS UNFACTORED UNLESS NOTED OTHERWISE.

WOOD ROOF TRUSSES (CERTIFIED BY P.ENG)

<u> CLIMATIC DESIGN DATA - (GRAND VALLEY [DUFFERIN])</u> = 0.28 kPa ROOF DESIGN LOADS
DEAD LOAD = 0.40 kPa (NO CEILING)

SNOW LOAD (4/12 PITCH, SLIPPERY ROOF, NON-SOLAR) = 1.64 kPa (BALANCED) = 1.86 kPa (UNBALANCED)

THIS BUILDING IS DESIGNED FOR AS A FARM BUILDING OF LOW HUMAN OCCUPANCY AS PER 3.1.1.1.(1) OF THE N.F.B.C. (1995).

MAXIMUM TRAVEL DISTANCE TO AN EXIT SHALL NOT EXCEED 45m (147 ft). IN ACCORDANCE WITH ARTICLE 3.2.1.4 (1) OR N.F.B.C. EXITS MUST BE ACCESSIBLE AT ALL TIMES AND BE CLEARLY VISIBLE N.F.B.C. 3.2.1.1. EVERY FARM BUILDING OF LOW HUMAN OCCUPANCY SHALL BE SERVED BY AT LEAST 2 EXITS. SPACED REMOTELY FROM 10. DO NOT ADD WATER TO CONCRETE ON SITE. EACH OTHER AT OPPOSITE ENDS OF THE BUILDING. N.F.B.C. 3.2.1.2. FARM BUILDINGS OF LOW HUMAN OCCUPANCY NOT VERIFY THAT THE STRUCTURE IS NOT WITHIN 96'-5" OF A PROPERTY LINE, PUBLIC THROUGHFARE OR A DWELLING LOCATED ON THE

PROPERTY. CONTACT THE PROJECT ENGINEER IF THESE PROVIDE ATTIC FIRE STOPS AS REQ'D BY OBC. 1/2" OSB SECURED TO 14. HORIZONTAL CONSTRUCTION JOINTS SHALL NOT OCCUR IN CONCRETE WALLS UNLESS APPROVED BY THE ENGINEER. TRUSS OR 2x3 FRAMING AS REQUIRED (AS PER OBC). ALL JOINTS SHALL HAVE CONTINUOUS SUPPORT. NO DIMENSION IN COMPARTMENT SHALL EXCEED 98'-5". FIRE STOP NOT TO INTERFERE WITH ROOF VENTILATION. PROPOSED 1 STOREY BUILDING: MAIN FLOOR = 15,300 ft<sup>2</sup> (NO FIRE SEPARATIONS REQ'D) EXISTING FLOOR = 3,600 ft2

## FOUNDATIONS / EXCAVATION

DESIGN AND CONSTRUCTION OF ALL WORK ON THIS PROJECT SHALL 1 ALL BEARING PRESSURES HAVE BEEN ASSUMED AND MUST BE VERIFIED ON SITE BY A QUALIFIED GEO-TECHNICAL ENGINEER, PRIOR TO CONSTRUCTION.

FOUNDATIONS ARE TO BEAR DIRECTLY ON UNDISTURBED SOIL OR COMPACTED FILL WITH A MINIMUM BEARING CAPACITY OF 150 kPa (3,000psf) SLS AND 225 kPa (4,500psf) ULS.

SLABS ON GRADE SHALL BEAR ON MATERIALS SUITABLE FOR 150 kPa (3,000psf) BEARING PRESSURES WITHOUT

SETTLEMENT RELATIVE TO THE BUILDING FOUNDATIONS.

SITE REVIEWS & CERTIFICATION OF FLOOR SLAB IS BY OTHERS, THE OWNER OR GENERAL CONTRACTOR IS RESPONSIBLE TO GET A THIRD PARTY GEOTECHNICAL ENGINEER TO REVIEW AND SIGN OFF ON THE FLOOR SLAB. SHOULD UNUSUALLY SOFT SOILS BE ENCOUNTERED DURING EXCAVATION, NOTIFY STAMPING ENGINEER BEFORE THE ENGINEER SHALL BE GIVEN 48 HR MIN NOTICE (AT 519-267-6789) PROCEEDING WITH CONSTRUCTION. CONTRACTOR MUST NOTIFY THE ENGINEER OF ANY CONCERNS INCLUDING, BUT

NOT LIMITED TO, BEARING CAPACITY, SLOPE, STABILITY, GROUNDWATER AND DRAINAGE. SOFT AREAS UNCOVERED DURING EXCAVATION SHALL BE SUB-EXCAVATED TO SOUND MATERIAL AND FILLED WITH CLEAN, FREE DRAINED GRANULAR SOIL COMPACTED TO 100% STANDARD PROCTOR DRY DENSITY (SPDD), PLACED UNDER THE DIRECTION AND SUPERVISION OF A QUALIFIED GEO-TECHNICAL ENGINEER. COMPACTED FILL BENEATH FOOTINGS AND FLOOR SLABS SHALL BE COMPACTED IN MAXIMUM 150mm (6" LAYERS). SOIL BEARING CAPACITY, SITE CLASS, AND SOIL COEFFICIENTS SHOWN ON THE DRAWINGS (Ka, Kp, DENSITY, ETC.)
SPECIFIED MUST BE VERIFIED BY A GEOTECHNICAL ENGINEER PRIOR TO THE PLACING OF FOUNDATIONS. AND NON-CONFORMANCE WITH THE SPECIFIED MINIMUM CAPACITIES MUST BE IMMEDIATELY REPORTED TO THE STRUCTURAL REMOVE ALL TOPSOIL AND DELETERIOUS MATERIAL FROM BELOW THE BUILDING.

PLACE ALL FOOTINGS EXPOSED TO FREEZING WEATHER MINIMUM 1200mm (4'-0") BELOW GRADE UNLESS OTHERWISE PROTECTED PROTECT SOIL BELOW AND ADJACENT TO ALL FOOTINGS FROM FREEZING DURING CONSTRUCTION. 10. DO NOT EXCEED A RISE OF 7 AND A RUN OF 10 IN THE LINE OF SLOPE BETWEEN THE ADJACENT FOOTING EXCAVATIONS OR ALONG STEPPED FOOTINGS. USE STEPS NOT EXCEEDING 600mm (24") IN HEIGHT AND NOT LESS THAN 1200mm (48") IN LENGTH. 1 MAINTAIN LINSUPPORTED SIDES OF EXCAVATION IN ACCORDANCE WITH THE SOIL ENGINEERS RECOMMENDATIONS IF REQUIRED, ERECT, MAINTAIN, AND REMOVE A SUPPORTING SHORING SYSTEM ALONG THE SIDES OF THE EXCAVATION,

DESIGNED BY A PROFESSIONAL ENGINEER, IN ACCORDANCE WITH THE SOILS REPORT AND OHSA. . NECESSARY PRECAUTIONS SHALL BE TAKEN TO ENSURE EXISTING FOOTINGS ARE NOT DISTURBED OR UNDERMINED 3. SHOULD ANY SOURCE OF WATER BE ENCOUNTERED DURING OR AFTER EXCAVATION, PROVIDE DEWATERING FACILITIES TO REMOVE AND MAINTAIN WATER LEVELS BELOW THE FOOTING.

4. SLOPE GRADE TO DRAIN AWAY FROM BUILDING AS INDICATED ON THE DRAWINGS 15. SLAB ON GRADE SHALL BEAR ON MIN. 6" GRANULAR 'A' FILL (COMPACTED TO 98% SPDD) ON ORIGINAL SUBGRADE (TYP.

U.N.O., REFER TO GEO-TECHNICAL REPORT, IF AVAILABLE 16. BACKFILL SHALL BE FREE DRAINING CLEAN GRANULAR FILL. DO NOT USE FROZEN MATERIAL CONTAINING ICE OR SNOW. DO NOT PLACE CONCRETE ON FROZEN SUBGRADE OR ON SUBGRADE CONTAINING FROZEN MATERIAL. BACKFILL AGAINST FOUNDATION WALLS IN SUCH A MANNER THAT THE LEVEL OF BACKFILLING ON ONE SIDE OF THE WALL IS NEVER MORE THAN 500mm (20") HIGHER THAN THE LEVEL ON THE LOWER SIDE OF THE WALL EXCEPT WHERE TEMPORARY SUPPORT FOR THE WALL IS PROVIDED OR THE WALLS ARE DESIGNED FOR SUCH UNEVEN PRESSURES.

18. CUT AND CAP OR REROUTE ALL FIELD TILES FOUND DURING EXCAVATING AS PER THE DIRECTION OF A DRAINAGE DESIGNER. TILES MUST NOT BE ALLOWED TO COLLECT WATER NEAR FOUNDATION.

. ALL REINFORCED CONCRETE ELEMENTS ARE DESIGNED USING THE LIMIT STATES DESIGN METHOD IN ACCORDANCE CONCRETE WORK SHALL CONFORM TO CAN/CSA-23.1,2,3 FOR MATERIALS AND WORKMANSHIP. CLASSES OF CONCRETE SHALL BE PLACED IN THE LOCATIONS NOTED: CLASS OF CONCRETE

EXTERIOR WALLS, COLUMNS AND PIERS.
INTERIOR FLOOR SLABS, INTERIOR PIERS AND

FOUNDATIONS WALLS NOT EXPOSED TO FREEZE/THAW. CLASSES OF CONCRETE SHALL HAVE THE FOLLOWING MIX REQUIREMENTS: CLASS STRENGTH W/C RATIO AIR ENTRAINMENT CHLORIDE ION C1500 COULOMBS AT 56 DAYS 25 MPa 0.55 25 MPa 0.55 5% TO 8%

\*ADJUST AIR ENTRAINMENT PERCENTAGE FOR AGGREGATE SIZE BASED ON A23.1-04 TABLE 4. \*\*FOR ALL CONCRETE EXPECTED TO BE EXPOSED TO CHLORIDES (DE-ICING CHEMICALS), IT IS RECOMMENDED TO USE 32 MPa C-1 CONCRETE, COORDINATE DESIGN w/ CONCRETE DESIGNER & SUBMIT DESIGN MIX FOR REVIEW.

CONCRETE DESIGN IS BASED ON THE ABOVE MIX REQUIREMENTS. PHYSICAL PROPERTIES (SLUMP, AGGREGATE SIZE. CALCIUM CHLORIDE OR ANY ADMIXTURE FORMULATION CONTAINING CHLORIDE SHALL NOT BE USED IN CONCRETE STRUCTURES FLOORS RECEIVING DRY-SHAKE METALLIC HARDENERS OR CONCRETE CONTAINING EMBEDDED. ALUMINUM. USE ONLY IN DOSAGES LESS THAN 2% BY WEIGHT OF CEMENT

FINISH EXPOSED CONCRETE WORK AS PER ARCHITECTURAL DRAWINGS OR PER OWNER SLUMP OF CONCRETE TO BE 80mm ±30mm (3-5/32" ±1-3/16") PRIOR TO SUPER PLASTICIZERS BEING ADDED. USE HIGH FREQUENCY VIBRATION TO PLACE ALL CONCRETE, EXCEPT FOR CONCRETE SLABS 150mm (6") OR LESS. ALL CONCRETE FORMS ARE TO BE WET THOROUGHLY PRIOR TO PLACING CONCRETE.

. ENSURE THAT FORMS, REINFORCING STEEL AND ADJACENT CONCRETE SURFACES ARE ENTIRELY FREE OF FROST, SNOW & ICE AND THE TEMPERATURE OF THESE MATERIALS ARE ABOVE 5°C (32°F) BEFORE PLACING CONCRETE. MORE THEN 200M² (2,152.85FT²) IN FLOOR AREA AND FARM BUILDINGS 🛾 12. ALL CONCRETE SHALL BE KEPT MOIST DURING THE FIRST THREE DAYS OF CÙRING STORING BULK CROPS OF LOW COMBUSTIBILITY, MAY BE SERVED BY 13. TAKE ADEQUATE MEASURES TO PROTECT THE CONCRETE FROM EXPOSURE TO FREEZING TEMPERATURES FOR AT LEAST SEVEN DAYS AFTER CONCRETE PLACEMENT. COLD WEATHER PROTECTION IS REQUIRED FOR ALL CONCRETE PLACED WHERE IT IS FORECASTED THAT THE TEMPERATURE WILL DROP BELOW 5°C (32°F) WITHIN 24 HOURS OF PLACEMENT. PROTECTION PROVIDED, INCLUDING INSULATED TRAPS, POLY COVERED STRÁW, SUPPLEMENTAL HEAT AND/OR CHEMICAL ADMIXTURES IS TO BE SUFFICIENT TO MAINTAIN A MINIMUM CURING TEMPERATURE OF 10°C (41°F)

> 15. GC IS RESPONSIBLE TO COORDINATE ALL REQUIREMENTS FOR MECHANICAL BASES, PITS, SUMPS, TRENCHES & SLOPE OF SLABS, NOT SHOWN ON STRUCTURAL DRAWINGS. GC/OWNER IS RESPONSIBLE TO ENSURE APPROPRIATE DRAINAGE FOR INTERIOR AND EXTERIOR FLOORS. 6. LOCATE ALL PIERS AND FOOTINGS CONCENTRIC UNDER COLUMNS AND WALLS (TYP. U.N.O.) . SAW CUT SLAB TO A DEPTH OF 1/4 SLAB THICKNESS. EVENLY SPACE SAW CUTS @ 30 TIMES SLAB DEPTH & SAW CUT SLABS ALONG COLUMN LINES AND BETWEEN COLUMN LINES. (CUT WITHIN 24 HRS OF SLAB PLACEMENT)

> 8. CAULK AT SAW CUTTING LINES WITH APPROVED FLEXIBLE CAULKING MATERIAL SEAL ALL SAWCUT CONTROL JOINTS WITH VEHICLES TRAFFIC GRADE JOINT SEALANT 20. PROVIDE V-NOTCH CONTROL JOINTS AT MAXIMUM SPACING OF 24 TIMES THE WALL THICKNESS, IN BOTH SIDES OF ALL

WALLS. CUT 50% OF THE HORIZONTAL REINFORCEMENT AT CONTROL JOINT LOCATIONS

## REINFORCING STEEL

ALL REBAR SHALL BE DEFORMED BARS CONFORMING TO G30.18 WITH A MINIMUM YIELD STRENGTH OF 400 MPa REINFORCING STEEL SHALL BE FABRICATED BY A SUPPLIER EXPERIENCED IN BAR BENDING. ALL BEND DIAMETERS SHALL CONFORM TO CAN/CSA-A23.1 ALL REBAR SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH REINFORCING STEEL MANUAL OF STANDARD PRACTICE, BY R.S.I.O. 4TH EDITION (2004) ALL REINFORCING STEEL, DOWELS AND ANCHOR BOLTS ARE TO BE CLEAN AND FREE OF RUST, DIRT, FORM RELEASE AGENT, ETC. PRIOR TO POURING CONCRETE.

MAINTAIN THE FOLLOWING CLEAR CONCRETE COVER TO REINFORCEMENT (TYP. U.N.O.)

40mm (1.5") FOR CONCRETE PLACED IN FORMWORK FOR 15M OR SMALLER BARS. 50mm (2") FOR CONCRETE PLACED IN FORMWORK FOR 20M OR LARGER BARS. 65mm (2.5") FOR SLAB ON GRADE, TOP OF SLAB TO TOP LAYER OF STEEL T5mm (3") FOR CONCRETE PLACED AGAINST THE EARTH (BOTTOM OF FOOTINGS).

REINFORCING STEEL, DOWELS AND ANCHOR BOLTS ARE TO BE SECURELY TIED PRIOR TO PLACING CONCRETE. REINFORCING STEEL CHAIRS AND SUPPORTS SHALL BE MADE OF CONCRETE BLOCKS, PLASTIC OR WIRE - USING WOOD, CLAY, BRICK AND CONCRETE BLOCK IS NOT ACCEPTABLE.

WHERE STEEL MESH IS TO BE USED IN SLAB ON GRADE FLOORS, PROVIDE IN FLAT SHEETS AND INSTALL WITH CHAIRS TO ELEVATE TO THE MIDDLE OF THE SLAB THICKNESS.

MINIMUM BAR LAP LENGTH (25MPa, NORMAL DENSITY, NON COATED BARS) SHALL BE

225mm (9") FOR WELDED WIRE MESH (WWM) 450mm (18") FOR 10M BARS 600mm (24") FOR 15M BARS 750mm (30") FOR 20M BARS 1200mm (48") FOR 25M BARS

1400mm (̀56")́ FOR 30M BAR\$ 9. LAP ALL HORIZONTAL BARS AT CORNERS WITH BENT DOWELS MEETING THE MINIMUM LAP REQUIREMENTS IN 10. FOR UNREINFORCED WALLS, PROVIDE (2) 15M BARS AROUND ALL WINDOWS AND DOOR OPENINGS EXTENDING

WOOD FRAMING DESIGN AND CONSTRUCTION SHALL CONFORM TO THE LATEST VERSION OF CSA 086. SAWN LUMBER SHALL CONFORM TO CSA STANDARD 0141 AND BE SPF GRADE NO. 2 OR BETTER. PREFABRICATED WOOD TRUSSES SHALL CONFORM TO THE LATEST VERSION OF CSA 086 AND THE WOOD

TRUSS PLATES SHALL CONFORM TO THE LATEST VERSION OF CSA S347 LUMBER FOR WOOD TRUSSES IS TO BE KILN DRIED AND WELL SEASONED. PROVIDE DROPPED GABLE TRUSSES TO ALLOW LADDER FRAMING FOR SOFFIT.

TRUSS MANUFACTURER. DIAGONAL BRACING MUST BE PROVIDED ON ALL MEMBERS THAT REQUIRE LATERAL UPLIFT CLIPS SHALL BE DESIGNED / PROVIDED BY TRUSS SUPPLIER. TRUSS SHOP DRAWINGS SHALL BE CERTIFIED BY A PROFESSIONAL ENGINEER WHERE REQUIRED AND REVIEWED BY THE CONTRACTOR FOR DIMENSIONAL CORRELATION WITH THE DRAWINGS AND FIELD

 ALL WOOD SHALL BE NO. 2 SPF OR BETTER. 5. ALL EXPOSED WOOD ABOVE GRADE TO BE MIN CSA UC4.1 RATED. ALL WOOD BURIED IN GROUND TO BE MIN CSA ALL FASTENERS INTO P.T. LUMBER TO BE STAINLESS OR HOT-DIPPED GALVANIZED

STUD WALLS SHALL BE ANCHORED TO FOUNDATION WITH 1/2" ANCHOR BOLTS @ 48" SPACING AND WITHIN 6" OF STUDS SHALL BE SECURED TO PLATES w/ (3) 3-1/4" NAILS (2x6) & (4) 3-1/4" NAILS (2x8) (TYP. U.N.O.) IO. WIND-BRACING SHALL BE PROVIDED @ 45° ANGLES ON ALL EXTERIOR WALL CORNERS AS PER ELEVATIONS. 11. WINDOW SUPPLIERS TO SUPPLY R.S.O. FOR ALL WINDOWS AND DOORS.

NAILS SHALL CONFORM TO STEEL WIRE NAILS / SPIKES AS DEFINED IN CSA B111 (TYP. U.N.O.

1. ALL STEEL SHALL BE DESIGNED, FABRICATED AND ERECTED IN CONFORMANCE TO CAN/CSA-S16-09 AND THE 2. ALL STRUCTURAL STEEL TO BE OF NEW MATERIAL AND SHALL NOT BE SPLICED WITHOUT THE APPROVAL OF THE DO NOT CUT OR CORE OPENINGS IN ANY STRUCTURAL STEEL WITHOUT PRIOR WRITTEN APPROVAL FROM

ALL ROLLED STRUCTURAL STEEL MEMBERS SHALL CONFORM TO CSA-G40.20-04/G40.21-04-M300W EXCEPT WIDE FLANGE SECTIONS (W), WHICH SHALL CONFORM TO CSA-G40.20-04/ G40.21-04-M350W. ALL HOLLOW STEEL SECTIONS (HSS) SHALL CONFORM TO CSA-G40.20-04/G40.21-04-M350W CLASS C. ALL COLD FORM CHANNELS SHALL HAVE A MINIMUM YIELD STRENGTH OF 375 MPa. ALL CONNECTIONS SHALL BE INSPECTED AS PER CAN/CSA-S16-09. 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. 10. ALL WELDS SHALL BE FILLET ALL AROUND, WITH SIZE EQUAL TO THE LESSER OF 6mm ( 1/4") OR THE MINIMUM . ALL EXPOSED WELDS SHALL BE CONTINUOUS AND BE GROUND SMOOTH. (TYP. U.N.O.). CONNECTION BOLTS SHALL BE ASTM A325 HIGH STRENGTH BOLTS, (TYP. U.N.O.). ALL HOLE SIZES ARE 20mm (13/16") DIAMETER, U.N.O.

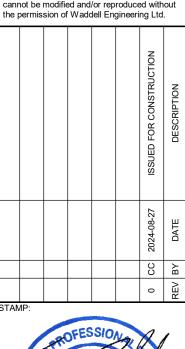
15. PROVIDE SUFFICIENT LATERAL SUPPORT FOR STEEL BEAMS TO PREVENT LATERAL TORSIONAL BUCKLING. DROPPED STEEL BEAM - 2x6 TOP PLATE w/ 13mm (1/2") dia. THRU BOLTS c/w NUTS & WASHERS OR HILTI X-U FASTENERS @ 600mm (24") o.c., STAGGERED INTO THE TOP FLANGE & (2) 3-1/4" TOE-NAILS FROM EACH FRAMING MEMBER INTO THE TOP PLATE. FLUSH STEEL BEAM - SOLID BLOCKING (2x LUMBER AND PLYWOOD) BOLTED TO THE BEAM WEB WITH 13mm

(1/2") dia. THRU BOLTS @ 600mm (24") o.c. (MAX, MATCH JOIST SPACING), STAGGERED TOP AND BOTTOM AND APPROVED FACE MOUNT HANGERS FOR THE FRAMING MEMBER TO BLOCKING CONNECTION. 16. WHERE A STEEL BEAM SUPPORTS MASONRY, WELD 1/2" STEEL PLATE (WIDTH TO MATCH MASONRY) TO THE TOP OR BOTTOM FLANGE OF THE BEAM WITH (2) ROWS OF 50mm (2") LONG FILLET WELDS @ 300mm (12") o.c. MIN., . ALL STEEL BEAMS AND LINTELS SHALL HAVE MINIMUM 200mm (8") END BEARING ON MASONRY (TYPICAL U.N.O.). WELD BEAMS AND LINTELS TO BEARING PLATES, WHERE PROVIDED, WITH MINIMUM 4.8mm x 50mm (3/16" x 2")

18. ALL STEEL COLUMNS ARE TO BE LATERALLY SUPPORTED TOP & BOTTOM ILE, BY CONCRETE SLAB ON GRADE, (2)

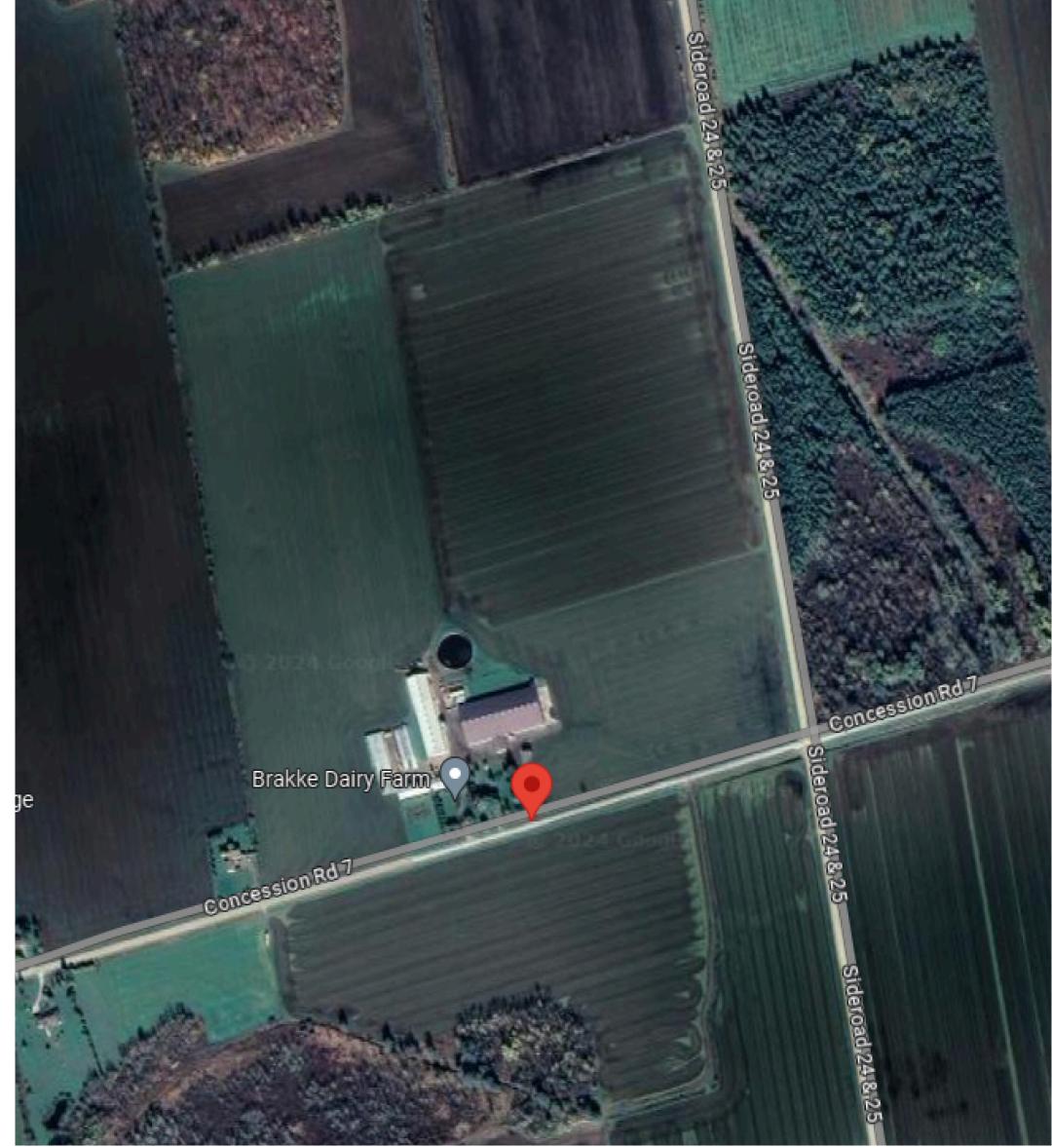
13mm (1/2") dia. BOLTS OR 50mm (2") OF 6.4mm (1/4") FILLET WELD MINIMUM]. CONTINUE ALL COLUMNS DOWN TO FOUNDATION OR FULL BEARING ON BEAMS, BLOCK SOLID IN JOIST SPACES. (TYP. U.N.O.). 19. ALL STRUCTURAL STEEL TO BE FINISHED AS APPROVED BY GENERAL CONTRACTOR.

# **HENK BRAKKE** SHED ADDITION & ROOF RAISE **321339 CONCESSION 6 GRAND VALLEY, ON**



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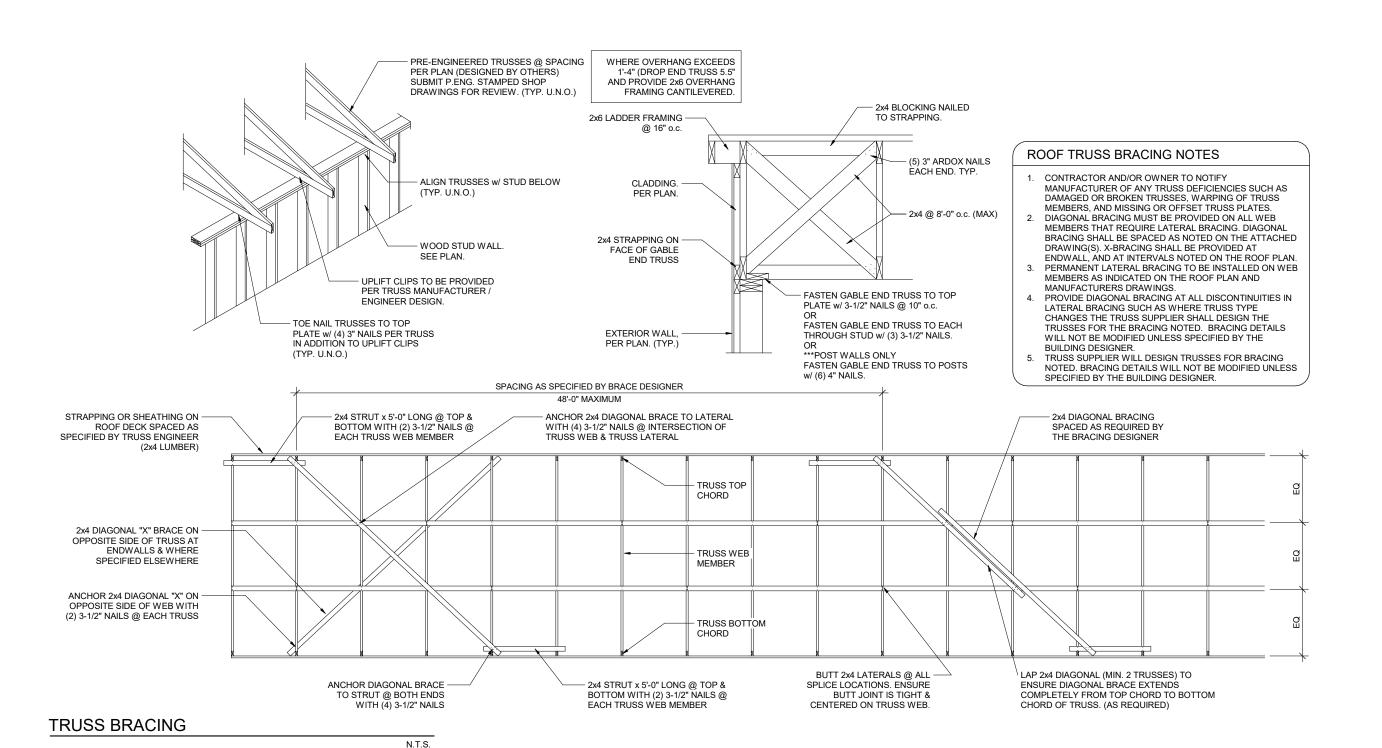


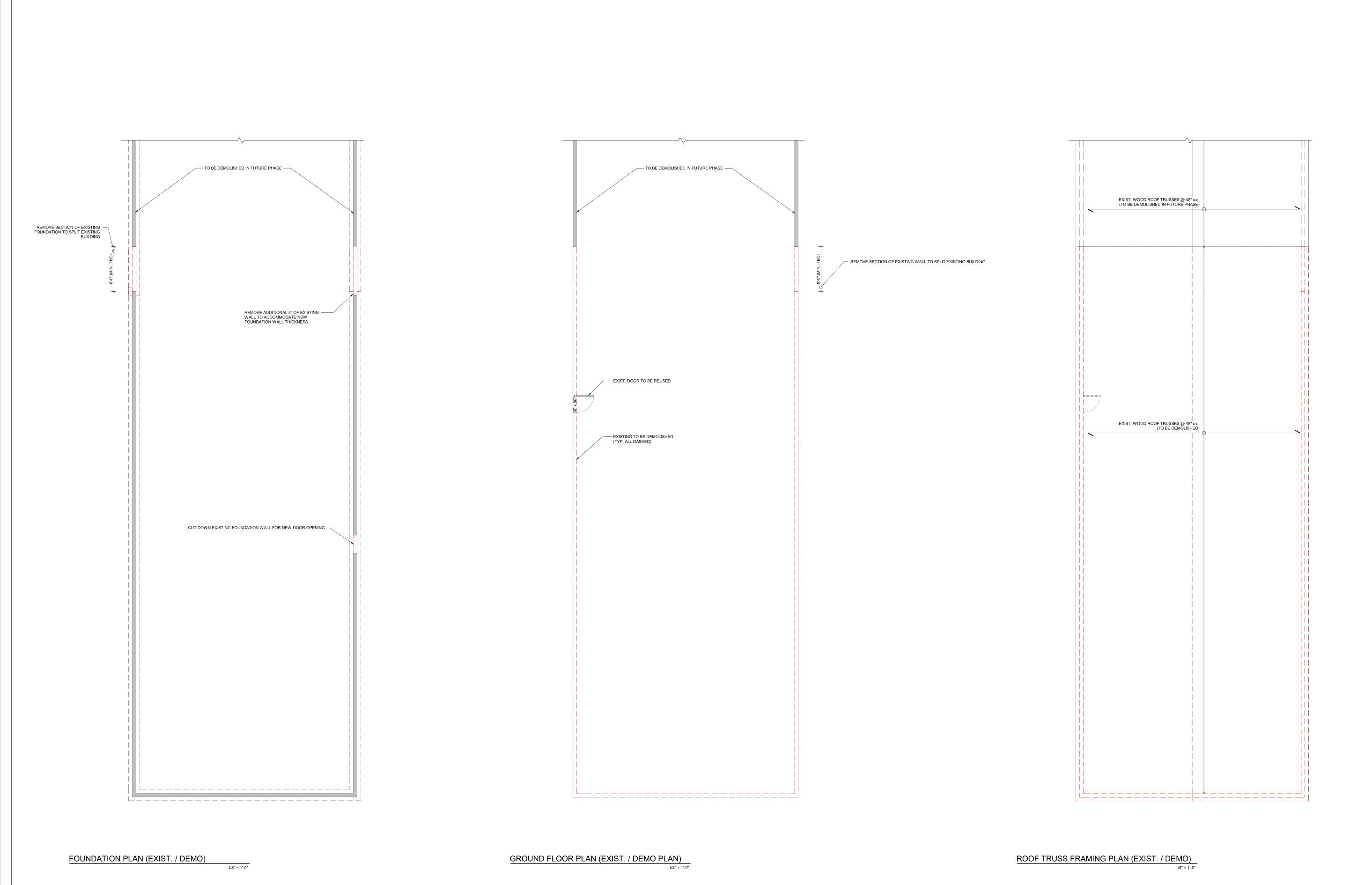


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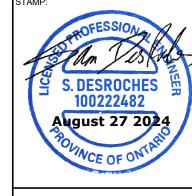
**GENERAL NOTES** 

SITE MAP





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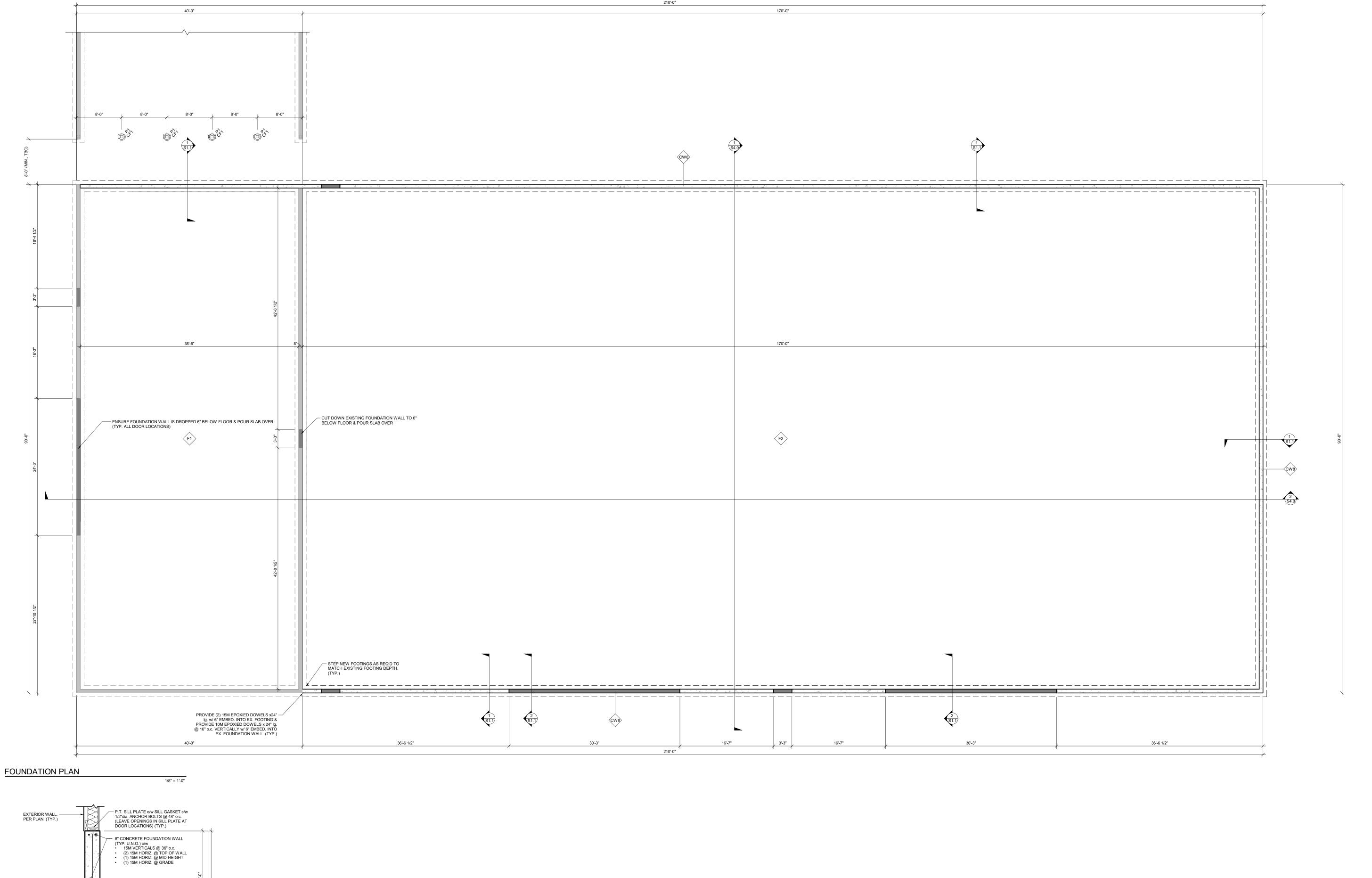


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PROJECT: 90'-0" x 170'-0" SHED ADDITION & ROOF RAISE

321339 L9W 0W8 CONCESSION 6/7 GRAND VALLEY, ON. CLIENT: HENK BRAKKE

EXIST. / DEMO PLAN



GRADE (SLOPE AWAY FROM BLDG) SLAB,
PER PLAN. (TYP.) BACKFILL W PARENT MATERIAL — 15M DOWELS x24" lg. @ 36" o.c. (6" EMBED. INTO FOOTING) — 24" x8" CONT. CONCRETE STRIP FOOTING c/w (2) 15M CONT. BARS (TYP. U.N.O.) FOUNDATIONS ARE TO BEAR ON UNDISTURBED NATIVE SOIL OR COMPACTED FILL APPROVED BY GEOTECHNICAL ENGINEER. (TYP.)

1/2" = 1'-0"

SECTION
S1.1 TYPICAL FOUNDATION WALL (CW8)

TAPER TOP OF —— CONCRETE SLAB (TYP.) GRADE (SLOPE AWAY FROM BLDG - (2) 15M CONT. SECTION
S1.1 FOUNDATION @ DOOR

1/2" = 1'-0"

	FOUNDATION PLAN NOTES		
1.	EXTERIOR DIMENSIONS TAKEN TO OUTSIDE FACE OF FOUNDATION / INSIDE FACE OF EXT'R CLADDING (U.N.O.)	1	MA
"	A. 2x6 STUD WALLS - OUTSIDE OF STRAPPING IN LINE WITH OUTSIDE FACE OF FOUNDATION WALL BELOW.	1 1	C
	<ul> <li>B. 2x8 STUD WALLS - OUTSIDE OF STUDS IN LINE WITH OUTSIDE FACE OF FOUNDATION WALL BELOW.</li> <li>C. CONTRACTOR SHALL REVIEW &amp; CONFIRM ABOVE AND ENSURE DIMENSIONS COORDINATED w/ TRUSS SUPPLIER.</li> </ul>		
2.	VERIFY ALL EQUIPMENT DIMENSIONS & FLOOR HEIGHTS W/ SUPPLIER BEFORE CONSTRUCTION (TYP.)	1 1	
3.	SOLID HATCH DENOTES DOOR LOCATIONS. COORDINATE W/ FLOOR PLANS. DROP TOP OF FOUNDATION WALL 6" BELOW		
	FINISHED FLOOR AND OVERPOUR SLAB, CONTINUE WALL REINFORCING BELOW DROP. (TYP. U.N.O.)		N.C
4.	S.F. DENOTES LOCATION OF STEP FOOTING. TOP OF FOOTING ELEVATIONS GIVEN ARE MINIMUM DEPTHS. CONTRACTOR		NC.
	TO ENSURE THAT FOOTINGS BEAR ON SOIL APPROVED BY QUALIFIED SOILS INSPECTOR.		1.
5.	ALL STRIP FOOTINGS TO BE 24" x 8" c/w (2) 15M CONTINUOUS (U.N.O.).		2.
6.	ALL FOOTINGS TO BE CENTERED ON COLÚMNS / WALLS ABOVE (U.N.O.)	] `	$\overline{}$

HEDULE	FOOTING SCI	
REINFORCING	SIZE	MARK
UNREINFORCED	16"dia. x8"	CF1
w (2) 15M CONTINUOUS (U.N.O.). COLUMNS / WALLS ABOVE (U.N.O.)	STRIP FOOTINGS TO BE 24" x 8" c/ FOOTINGS TO BE CENTERED ON	

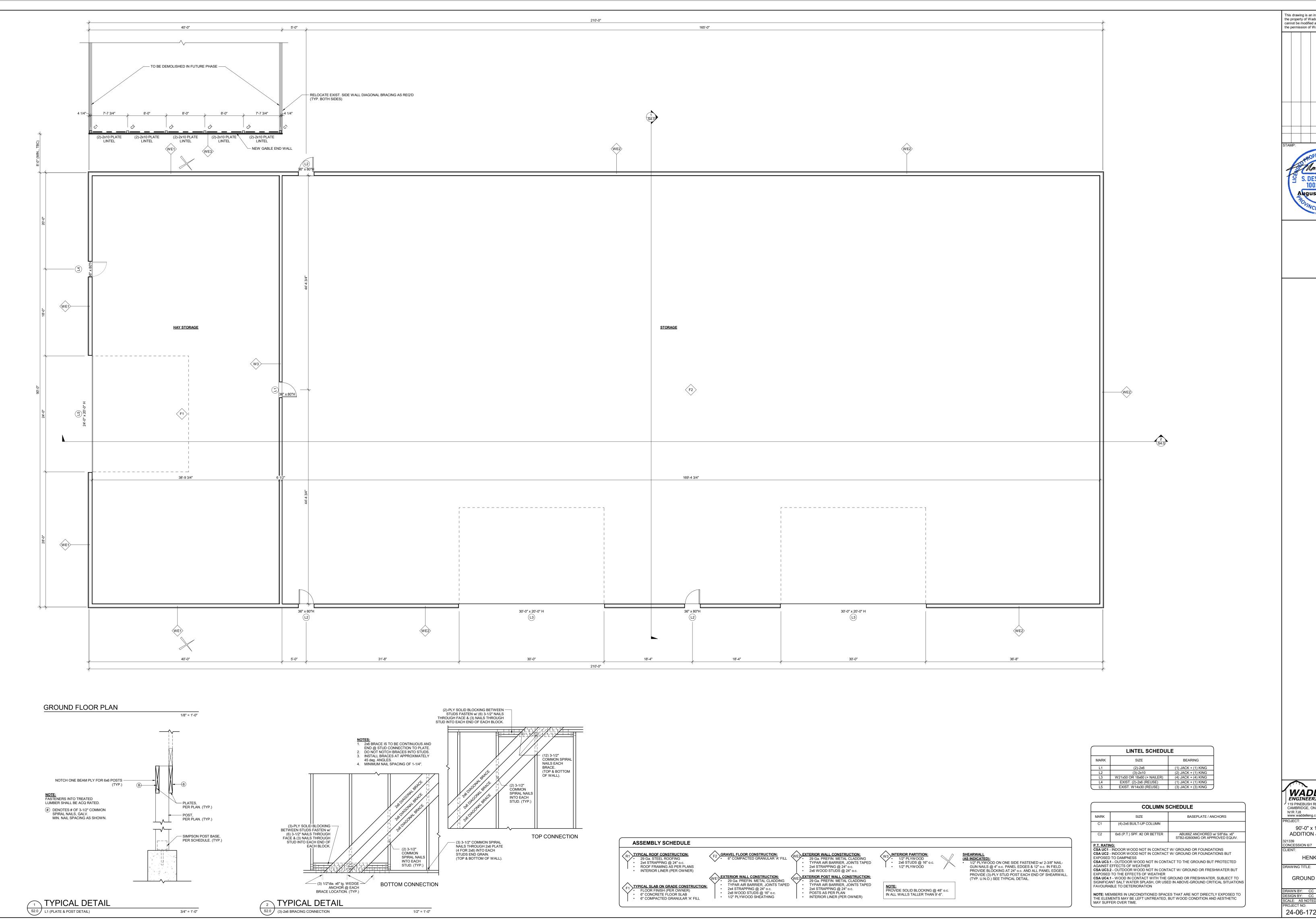
PIER SCHEDULE				
//ARK	SIZE	REINFORCING		
P1	12" dia.	(4) 15M VERTICALS + 10M TIES @ 12" o.c.		
NOTES:	PIERS TO HAVE DOUBLE TOP TIE	@ 2" (50mm) o.c.		

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www.waddelleng.com info@waddelleng.com 90'-0" x 170'-0" SHED ADDITION & ROOF RAISE 321339 L9W 0W8 CONCESSION 6/7 GRAND VALLEY, ON.

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FOUNDATION PLAN

HENK BRAKKE



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PROJECT: 90'-0" x 170'-0" SHED ADDITION & ROOF RAISE 321339 L9W 0W8 CONCESSION 6/7 GRAND VALLEY, ON. HENK BRAKKE

GROUND FLOOR PLAN

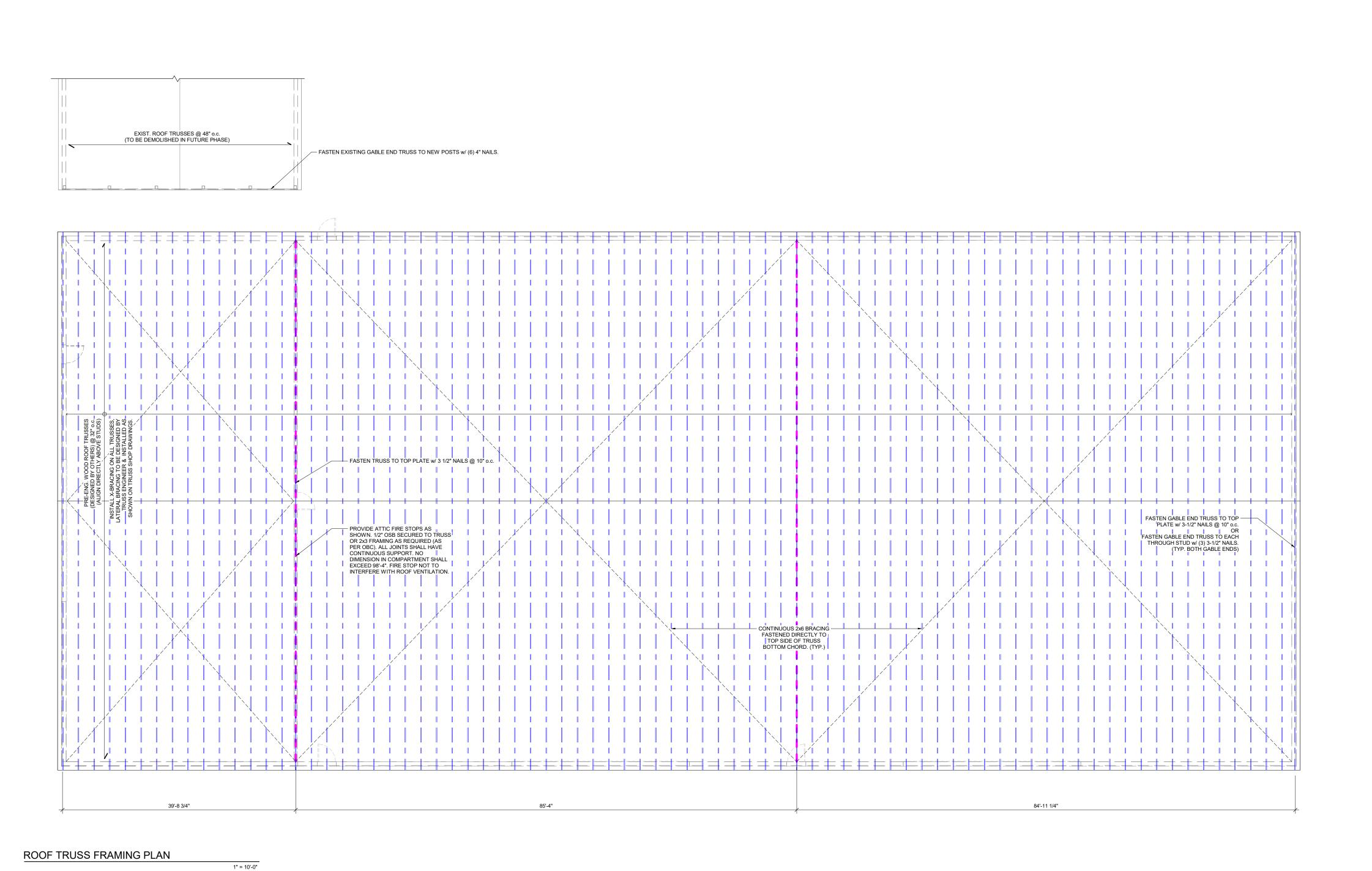
DRAWN BY: CC DATE: AUG. '24

DESIGN BY: CC SCALE: AS NOTED

PROJECT NO: 24-06-172

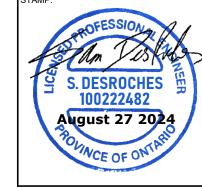
DATE: AUG. '24

SHEET NO: SECOND SHEET NO:



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www.waddelleng.com info@waddelleng.com

PROJECT:

90'-0" x 170'-0" SHED
ADDITION & BOOE BAISE

90'-0" x 170'-0" SHED ADDITION & ROOF RAISE 321339 L9W 0W8 CONCESSION 6/7 GRAND VALLEY, ON. CLIENT:

T:
HENK BRAKKE

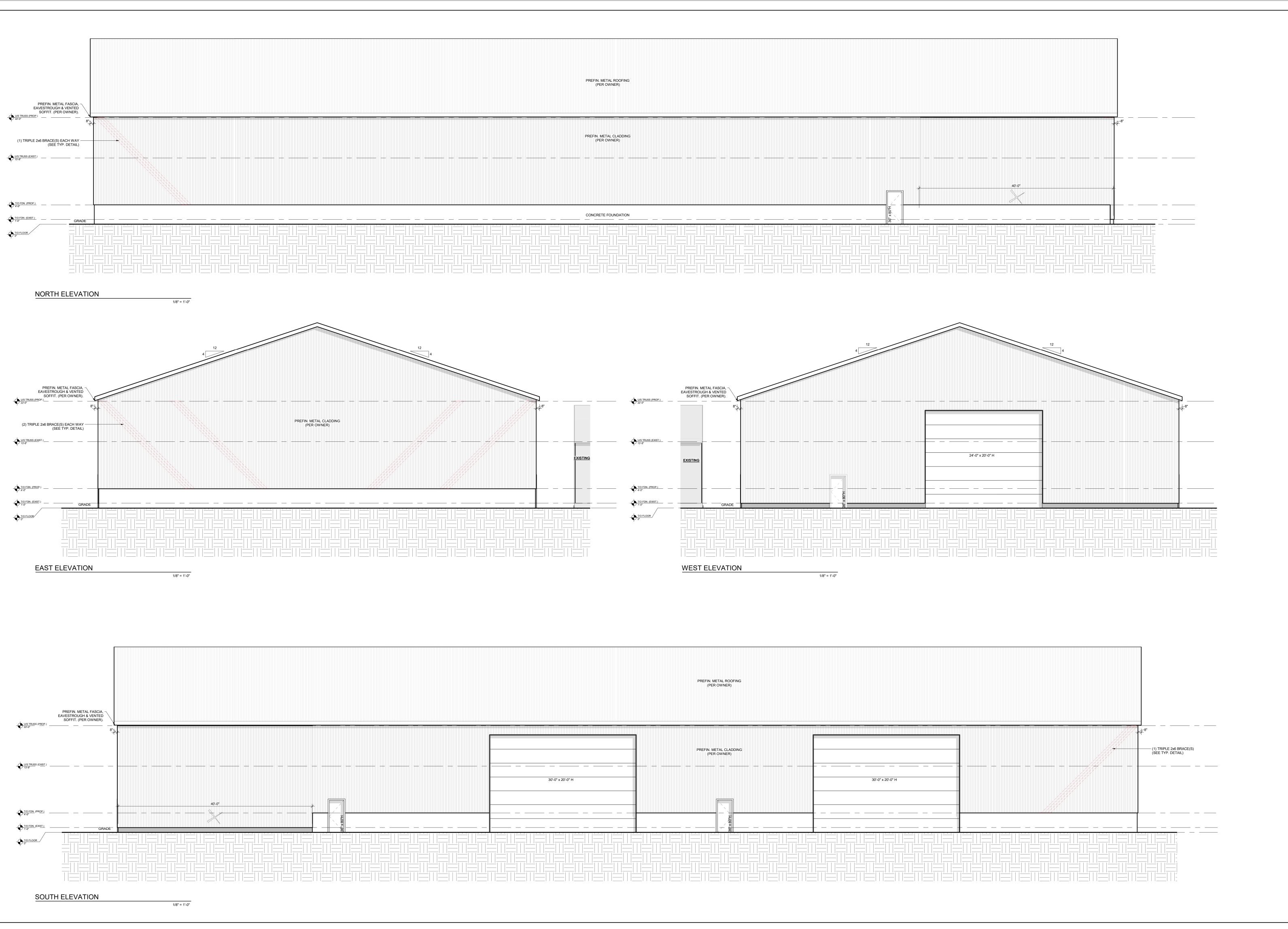
ROOF FRAMING PLAN

DRAWN BY: CC DATE: AUG. '24

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DATE: AUG. '24

SHEET NO: SALE: AUG. '24





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PROJECT:

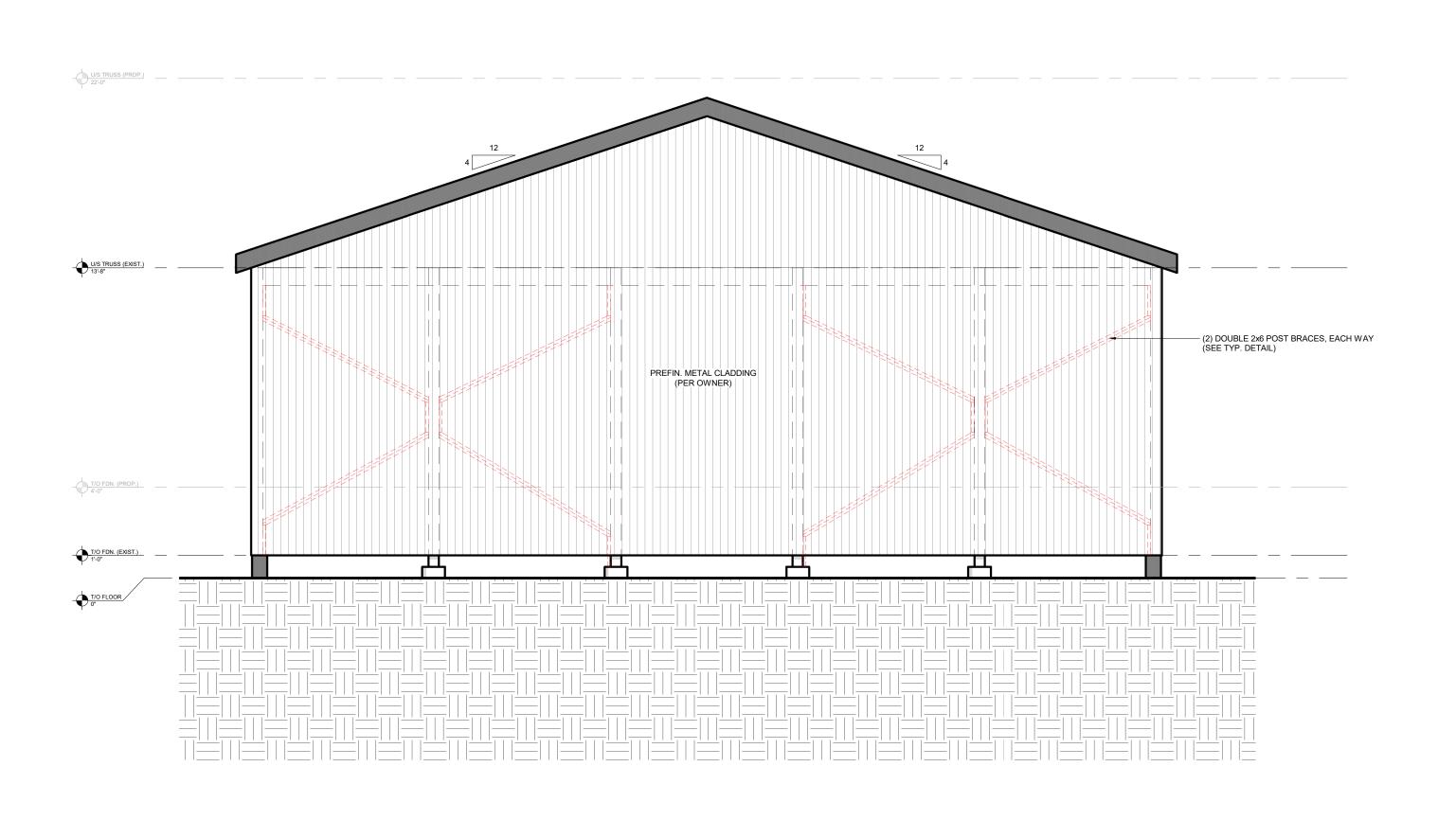
90'-0" x 170'-0" SHED
ADDITION & ROOF RAISE

321339 L9W 0W8
CONCESSION 6/7 GRAND VALLEY, ON.
CLIENT:

HENK BRAKKE

BUILDING ELEVATIONS

DRAWN BY: CC DATE:
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PROJECT NO:



SOUTH 'A' ELEVATION

1/4" = 1'-0"

NOTES:

1. 2x6 BRACE IS TO BE CONTINUOUS AND END @ STUD CONNECTION TO POST.

2. DO NOT NOTCH BRACES INTO POSTS.

3. INSTALL BRACES AT APPROXIMATELY 45 deg. ANGLES.

4. MINIMUM NAIL SPACING OF 1-1/4". PLATES, PER PLAN. (TYP.) 2x6 OR 2x8 SCAB

(MATCH POST DEPTH)
16"lg. c/w (18) 3-1/2"
COMMON SPIRAL
NAILS. (TYP.) (2)-2x6 OR (2)-2x8 BRACE —— (MATCH POST DEPTH) — POST, PER PLAN. (TYP.) 2x6 OR 2x8 SCAB — (MATCH POST DEPTH) 16"lg. c/w (18) 3-1/2" COMMON SPIRAL NAILS. (TYP.) (2) 3-1/2" COMMON SPIRAL NAILS INTO BRACING. (TYP.) (2)-2x6 OR (2)-2x8 BRACE — (MATCH POST DEPTH) 2x4 STRAPPING TOP CONNECTION (BOTTOM SIM.) CENTER POST CONNECTION 2 TYPICAL DETAIL
S3.1 (2)-PLY BRACING CONNECTION 3/4" = 1'-0"

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PROJECT:

90'-0" x 170'-0" SHED ADDITION & ROOF RAISE 321339 L9W 0W8 CONCESSION 6/7 GRAND VALLEY, ON.

HENK BRAKKE

**ELEVATION & DETAIL** 

