



GENERAL CONSTRUCTION NOTES:

1. 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 AND COMPLIANCE WITH CURRENT ONTARIO BUILDING CODES. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING STANDARD CONSTRUCTION DETAILS AND PROCEDURES TO ENSURE A PROFESSIONALLY FINISHED, STRUCTURALLY SOUND AND WEATHERPROOF COMPLETED PRODUCT.
2. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL WORK AND CONSTRUCTION MEETS CURRENT FEDERAL, PROVINCIAL, COUNTY AND LOCAL CODES, ORDINANCES AND 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.
3. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE DRAWINGS (DO NOT SCALE DRAWINGS).
4. ALL DIMENSIONS MUST BE JOB SITE CHECKED BY CONTRACTOR AND VERIFIED, DISCREPANCIES MUST BE REPORTED BEFORE COMMENCING WORK.
5. 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.
6. INTERIOR DIMENSIONS TO BE CALCULATED FROM STUD TO STUD.
7. EXTERIOR DIMENSIONS TO BE CALCULATED FROM OUTSIDE OF STRAPPING.
8. WINDOW SUPPLIERS TO SUPPLY R.S.O. FOR ALL WINDOWS AND DOORS.
9. ALL LIGHTING AND ELECTRICAL WORK IS TO COMPLY WITH OBC 9.34.

EXCAVATION AND BACKFILL:

1. REMOVE ALL TOPSOIL AND DELETERIOUS MATERIAL FROM BELOW BUILDING.
2. SLOPE GRADE TO DRAIN AWAY FROM BUILDING AS INDICATED ON THE DRAWINGS.
3. ALL FOOTINGS TO BE 48" MINIMUM BELOW GRADE TO OBTAIN ADEQUATE FROST COVER.
4. EXCAVATE FOR FOOTINGS TO SOUND SUBGRADE SUITABLE FOR 3000 PSF BEARING CAPACITY. VERIFICATION OF SOIL CAPACITY TO BE CARRIED OUT BY A QUALIFIED GEOTECHNICAL CONSULTANT PRIOR TO CONSTRUCTION OF FOOTINGS.
5. SHOULD UNUSUALLY SOFT SOILS BE ENCOUNTERED DURING EXCAVATION, NOTIFY STAMPING ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION. CONTRACTOR MUST NOTIFY THE ENGINEER OF ANY CONCERNS WITH REGARDS TO BUT NOT LIMITED TO BEARING CAPACITY, SLOPE, STABILITY, GROUNDWATER AND DRAINAGE.
6. SHOULD ANY SOURCE OF WATER BE ENCOUNTERED DURING OR AFTER EXCAVATION, PROVIDE DEWATERING FACILITIES TO REMOVE AND MAINTAIN WATER LEVELS BELOW THE FOOTING.
7. CUT AND CAP OR REROUTE ALL FIELD TILES FOUND DURING EXCAVATING.
8. BACKFILL SHALL BE FREE DRAINING CLEAN GRANULAR FILL.

GENERAL NOTES:

1. DESIGN AND CONSTRUCTION OF ALL WORK ON THIS PROJECT SHALL CONFORM TO LATEST EDITIONS OF THE FOLLOWING:
 - NATIONAL BUILDING CODE
 - ONTARIO BUILDING CODE
 - FARM BUILDING CODE
 - LOCAL REGULATIONS
 - OHSA REGULATIONS
2. DRAWINGS ARE NOT TO BE SCALED.
3. THE ENGINEER SHALL BE GIVEN 48 HR MIN. NOTICE (AT 519-267-6789) BY THE CONTRACTOR FOR REQUIRED INSPECTIONS OF THE FOUNDATION, REINFORCING STEEL PLACEMENT AND FRAMING, IN ACCORDANCE WITH O.B.C. 1.2.2 (C). ENGINEER SHALL BE CONTACTED PRIOR TO ALL CONCRETE POURS AND PRIOR TO INSTALLATION OF INTERIOR FINISHES AND CLADDING.
4. THE CONTRACTOR SHALL CHECK AND VERIFY ALL SITE CONDITIONS AND MEASUREMENTS AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
5. NO CHANGES SHALL BE MADE WITHOUT THE ENGINEER'S APPROVAL.
6. CONTRACTOR SHALL MAKE ADEQUATE PROVISIONS FOR TEMPORARY BRACING AND SHORING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN LOADS NOTED ON DRAWINGS.
7. 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.
8. SUBMIT SHOP DRAWINGS PRIOR TO FABRICATION FOR THE FOLLOWING:
 - ROOF TRUSSES (CERTIFIED BY P.ENG)

CONCRETE / FOUNDATION:

1. MINIMUM CONCRETE STRENGTH

CONCRETE SPECIFICATIONS			
LOCATION	STRENGTH	W/C RATIO	AIR ENTRAINMENT
FOOTINGS	20 MPa	0.55	5% TO 8%
FOUNDATION WALLS	25 MPa	0.50	5% TO 8%
CONCRETE FLOORS	32 MPa	0.45	0%
MANURE STRG FLOOR	32 MPa	0.45	0%
MANURE STRG WALLS	32 MPa	0.45	5% TO 8%
2. CONCRETE CODES:
 - CONFORM TO CSA 23.1, 2, 3
 - MANUAL OF STANDARD PRACTICE BY R.S.I.O.
 - REBAR 400 MPa
3. SLUMP:
 - 3" SLUMP +/- 1"
4. CONCRETE TESTING:
 - BY CSA CERTIFIED CONCRETE TESTING LABORATORY.
5. SLABS:
 - SAW-CUT TO 1/4 OF SLAB DEPTH
 - SPACING AT 30 TIMES SLAB DEPTH
 - CUT WITHIN 24 HRS OF SLAB PLACEMENT
6. REINFORCING REBAR SPLICES SHALL BE OVERLAPPED AT LEAST 18" REBAR IN FOOTINGS SHALL HAVE A COVERAGE OF AT LEAST 3". ALL OTHER CONCRETE COVERAGE FOR STRUCTURAL REINFORCEMENT SHALL BE NOT LESS THAN 2".

FRAMING NOTES:

1. ALL DIMENSIONS, INCLUDING ROUGH OPENING SIZES, SHALL BE CONFIRMED BEFORE CONSTRUCTION. DIMENSION DISCREPANCIES SHALL BE REPORTED IMMEDIATELY.
2. STUD WALLS SHALL BE ANCHORED TO FOUNDATION WITH 1/2" ANCHOR BOLTS @ 48" SPACINGS AND WITHIN 6" OF ENDS OR CORNERS.
3. WIND-BRACING SHALL BE PROVIDED @ 45 DEGREE ANGLE ON ALL EXTERIOR WALL CORNERS AS PER ELEVATION DETAILS
4. THE CONTRACTOR SHALL ENSURE ANY TEMPORARY BRACINGS OF WALLS OR TRUSSES ARE ADEQUATE.
5. ALL TRUSS BRACING SHALL BE IN ACCORDANCE WITH THE APPROVED ENGINEERED DRAWINGS OF THE TRUSS MANUFACTURER. DIAGONAL BRACING MUST BE PROVIDED ON ALL MEMBERS THAT REQUIRE LATERAL BRACING.
6. 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 CONDITIONS.
7. ALL WOOD SHALL BE No. 2 SPF OR BETTER.
8. STUDS SHALL BE SECURED TO PLATES W/ (3) 3/4" NAILS.
9. PRECAUTIONS SHALL BE TAKEN TO NOT OVERLOAD THE STRUCTURE DURING CONSTRUCTION.
10. ALL FASTENER INTO P.T. LUMBER TO BE STAINLESS OR HOT-DIPPED GALVANIZED

STEEL:

1. ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE (U.N.O.).
2. ALL STEEL SHALL BE DESIGNED, FABRICATED AND ERECTED IN CONFORMANCE TO CAN/CSA-S16-09 AND THE 2012 ONTARIO BUILDING CODE.
3. ALL STEEL MEMBERS TO BE NEW MEMBERS.
4. ALL ROLLED STRUCTURAL STEEL MEMBERS SHALL CONFORM TO CSA-G40.20-04/G40.21-04-M30W EXCEPT WIDE FLANGE SECTIONS (W), WHICH SHALL CONFORM TO CSA-G40.20-04/G40.21-04-M350W.
5. WELDING SHALL CONFORM TO CSA-W59-03 LATEST EDITION. ELECTRODES SHALL BE E70XX OR BETTER.
6. ALL WELDS SHALL BE FILLET ALL AROUND, WITH SIZE EQUAL TO THE LESSER OF 1/4" OR THE MINIMUM THICKNESS OF ADJOINING FACES, U.N.O.
7. ALL HOLE SIZES ARE 13/16" DIAMETER, U.N.O.
8. CONNECTION BOLTS SHALL BE ASTM A325 HIGH STRENGTH BOLTS, U.N.O.
9. ALL BOLTED CONNECTIONS SHALL BE BEARING TYPE, U.N.O.
10. ALL CONNECTIONS SHALL BE INSPECTED AS PER CAN/CSA-S16-09.
11. FIELD VERIFY ALL DIMENSIONS PRIOR TO MANUFACTURING.
12. ALL STRUCTURAL STEEL TO BE FINISHED AS APPROVED BY THE GENERAL CONTRACTOR.

EGRESS FARM NOTES:

1. MAXIMUM TRAVEL DISTANCE TO AN EXIT SHALL NOT EXCEED 60m (198 ft)
2. WINDOW USED AS EXISTS REQUIRE A MINIMUM OPENING OF 22" X 36"
3. EXITS MUST BE ACCESSIBLE AT ALL TIMES AND BE CLEARLY VISIBLE

DESIGN LOADS:

1. DESIGN LOADS UNFACTORED U.N.O. AND DO NOT INCLUDE IMPORTANCE FACTOR
 - ✓ A. CLIMATIC DESIGN DATA (DUNDALK) Loads greater than Clearview (ok)
 - Ss = 3.2 kPa
 - Sr = 0.4 kPa
 - q(1/50) = 0.42 kPa
 - B. ROOF (DEAD) = 0.60 kPa (CEILING)
 - 4/12 PITCH (SLIPPERY ROOF / NON-SOLAR)
 - SNOW LOAD = 2.75 kPa BALANCED
 - 3.17 kPa UNBALANCED
2. THIS BUILDING IS DESIGNED FOR "LOW HUMAN OCCUPANCY"

DRAWING NAME	PAGE
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BUILDING SECTION	55
SOUTH & WEST ELEVATION	56
NORTH & EAST ELEVATION	57

80'-0" X 100'-0" AG STORAGE BUILDING FOR DAVE SANDHU

2024 Ontario Building Code Data Matrix Part 2 - Farm Buildings (600m² or more in building area, 4+ Storeys in building height, or a G4 occupancy)										Building Code Reference		
✓ 1	PROJECT DESCRIPTION:	80'-0" X 100'-0" EQUIPMENT STORAGE										
✓ 2	APPLICABLE CODE	☒ OBC 2024, PART 2 ☐ NATIONAL FARM BUILDING CODE OF CANADA										
✓ 3	PROJECT TYPE:	☒ NEW CONSTRUCTION ☐ ADDITION ☐ RENOVATION ☐ CHANGE OF USE ☐ ADDITION & RENOVATION								[A] 1.1.1.1.		
✓ 4	SPECIAL CONDITIONS:	☐ INCLUDES HOUSING OF LIVESTOCK ☐ INCLUDING ATMOSPHERIC HAZARDS ☐ INCLUDING ENVIRONMENTAL HAZARDS								2.1.2.3.(5) 2.1.2.3.(6), 2.4.2.3.		
✓ 5	MAJOR OCCUPANCY CLASSIFICATION:	OCCUPANCY 1: G2 USE: EQUIPMENT STORAGE OCCUPANCY 2: USE: OCCUPANCY 3: USE: ☒ ALL MAJOR OCCUPANCIES ARE GROUP G ☐ CONTAINS OTHER MAJOR OCCUPANCIES ☐ AGGREGATE AREA OF ALL OTHER MAJOR OCCUPANCIES BY GROUP OR DIVISION IS LESS THAN 10% OF THE FLOOR AREA THAT IT IS ON								2.1.2.2., 2.1.4., T3.1.2.1., 3.1.2. A-1.4.1.2.(1) 2.2.1.1.(2), 2.2.1.3.		
✓ 6	BUILDING AREA (m²):	OCCUPANCY 1 (SEE 5)		OCCUPANCY 2 (SEE 5)		OCCUPANCY 3 (SEE 5)		TOTAL		2.1.2.1. [A] 1.4.1.2.		
		EXISTING	N/A	EXISTING	N/A	EXISTING	N/A	EXISTING	N/A			
		NEW	8000	NEW	N/A	NEW	N/A	NEW	N/A			
		TOTAL	8000	TOTAL	N/A	TOTAL	N/A	TOTAL	N/A			
✓ 7	GROSS AREA (m²):	OCCUPANCY 1 (SEE 5)		OCCUPANCY 2 (SEE 5)		OCCUPANCY 3 (SEE 5)		TOTAL		[A] 1.4.1.2.		
		MAIN FLOOR	8000	MAIN FLOOR	N/A	MAIN FLOOR	N/A	MAIN FLOOR	N/A			
		2nd FLOOR	N/A	2nd FLOOR	N/A	2nd FLOOR	N/A	2nd FLOOR	N/A			
		TOTAL	8000	TOTAL	N/A	TOTAL	N/A	TOTAL	N/A			
✓ 8	MEZZANINE AREA (m²):	EXISTING: N/A		NEW: N/A		TOTAL: N/A				2.2.2.2., 3.2.1.1.		
✓ 9	BUILDING HEIGHT:	HIGH BUILDING: ☐ YES ☒ NO STOREYS BELOW GRADE (#): N/A STOREYS ABOVE GRADE (#): 1 HEIGHT ABOVE GRADE (m): 9.06								[A] 1.4.1.2. & 2.1.2.1., 2.2.2.2.		
✓ 10	FIREFIGHTER ACCESS	☐ ACCESS PROVISIONS VERIFIED WITH THE MUNICIPALITY ☒ ACCESS PROVISIONS SHOWN ON SITE PLAN								2.2.4.1.		
✓ 11	BLDG. CLASSIFICATION: (SIZE & CONSTRUCTION RELATIVE TO OCCUPANCY)	2.2.2. GROUP/DIV. G/2								2.2.2.6.		
✓ 12	SPRINKLER SYSTEM:	☒ NOT REQUIRED ☐ REQUIRED - SPRINKLER TYPE PROPOSED: N/A PROVIDED: ☐ ENTIRE BUILDING ☐ SELECTED COMPARTMENTS ☐ SELECTED FLOOR AREAS ☐ BASEMENT ☒ NONE								2.2.4.2. 2.2.3.6.		
✓ 13	FIRE ALARM SYSTEM	☐ REQUIRED ☒ NOT REQUIRED TYPE PROVIDED: ☐ SINGLE STAGE ☐ TWO STAGE ☐ NONE								2.2.3.1. 2.2.3.2.		
✓ 14	CONSTRUCTION TYPE:	RESTRICTION: ☒ COMBUSTIBLE PERMITTED ☐ NON COMBUSTIBLE REQUIRED ACTUAL: ☒ COMBUSTIBLE ☐ NON-COMBUSTIBLE ☐ COMBINATION OF COMBUSTIBLE & NON-COMBUSTIBLE								2.2.2.6.		
✓ 15	IMPORTANCE CATEGORY:	☒ LOW ☐ LIQUID MANURE STORAGE TANKS ☐ NORMAL ☐ MINOR STORAGE BUILDING ☒ LOW HUMAN OCCUPANCY ☐ EXPLOSIVE OR HAZARDOUS SUBSTANCES								2.3.1.1. 4.1.2.1.(3) & T4.1.2.1.		
✓ 16	SEISMIC CATEGORY:	SEISMIC CATEGORY (TABLE 4.1.8.5.(B)): ☒ LOW (SC1) ☐ NORMAL - LIQUID MANURE STORAGE (SC2) SITE CLASS (TABLE 4.1.8.4.(B)): AS PER GEOTECH REPORT (NOT REQ'D FOR SC1) SEISMIC DESIGN FOR TABLE 4.1.8.18. ITEMS 6 TO 22 ☐ REQUIRED ☒ NOT REQUIRED REASONS: AS PER 4.1.8.18.(2)								4.1.8.4.(1) T-4.1.8.5.-B 4.1.8.18.		
✓ 17	OCCUPANT LOAD:	FLOOR LEVEL/AREA: <u>40 per 743m2 = 18 ppl</u> OCCUPANT LOAD (PERSONS): <u>18 max people</u> BASED ON: ☒ DESIGN ☐ FLOOR AREA CALCULATION OCCUPANCY TYPE: LOW HUMAN OCCUPANCY: <u>25</u> POSTED LIMIT REQUIRED: <u>40</u> ☒ YES ☐ NO								2.1.2.2., 2.2.1.17.		
✓ 18	HAZARDOUS SUBSTANCES OR DANGEROUS GOODS:	☒ NO ☐ YES (EXPLAIN)								2.2.8.		
✓ 19	REQUIRED FIRE RESISTANCE RATINGS	HORIZ. ASSEMBLY		RATING (H)		SUPPORTING ASSEMBLY (H)		NONCOMBUSTIBLE IN LIEU OF RATING?		2.2.2.6.		
		FLOORS OVER BSMT	-0-	-0-				☐ NO ☐ YES ☒ N/A				
		FLOORS	-0-	-0-				☐ NO ☐ YES ☒ N/A				
		MEZZANINE	-0-	-0-				☐ NO ☐ YES ☒ N/A				
		ROOF	-0-	-0-				☐ NO ☐ YES ☒ N/A				
✓ 20	EMERG. LIGHTING	☐ NOT REQUIRED ☒ REQUIRED - PROVIDED BY (2.2.5.1.(3)): ☒ BATTERY ☐ AUTOMATIC GENERATOR								2.2.5.1.		
✓ 21	EXIT SIGNAGE	☒ NOT REQUIRED ☐ REQUIRED								2.2.7.10.		
✓ 22	FIRE EXTINGUISHERS	☐ NOT REQUIRED ☒ PROVIDE PORTABLE FIRE EXTINGUISHERS AS PER PART 6 OF THE FIRE CODE - SEE PLAN								2.2.4.3.		
✓ 23	FLAME SPREAD RATING:	INTERIOR WALL AND CEILING FINISHES: <150 - PROPOSED LINER TYPE / RATING: INTERIOR WALL AND CEILING FINISHES WITHIN EXITS: <25 - PROPOSED LINER TYPE / RATING:				STEEL CLAD WALLS & CEILING PROVIDE SPEC SHEETS OF ALL FINISHES N/A				2.2.1.12. (1) 2.2.1.12. (2)		
✓ 24	EXIT DOOR SWING	☒ OUTSWING ☐ INSWING (LIVESTOCK - G2 ONLY - 2.2.7.7.(2)) ☐ COMBINATION INSWING & OUTSWING AS PER PLAN								2.2.6.2. 2.2.7.7.		
✓ 25	EGRESS DOOR SILL	☒ DOES NOT EXCEED 13mm (1/2") ☐ BETWEEN 13mm & 100mm (4") AS PER 2.2.6.7.(2) - NOTED ON PLAN								2.2.6.7.		
✓ 26	EXHAUST VENTING	☒ NOT REQUIRED ☐ BELOW FLOOR PIT VENTILATION REQUIRED ☐ VENTILATION REQUIRED PER PLAN								2.2.8.2.		
✓ 27	BUILDING SPATIAL SEPARATION TO PROPERTY LINES AND NON FARM BUILDINGS - CONSTRUCTION OF EXTERIOR WALLS									T 3.2.3.1.-C		
		WALL	AREA OF EBF (m2)	LD (m)	L/H or H/L	PERMITTED MAX % OF OPENINGS	PROPOSED % OF OPENINGS	FRR (HOURS)	LISTED DESIGN OR DESCRIPTION	COMBUSTIBLE CONSTRUCTION	COMB. CONSTR. NON-COMB CLADDING	NON-COMB CONSTR.
		NORTH	209	> 30	8 : 1	100	100	-	-	☒	☐	☐
		SOUTH	209	> 30	8 : 1	100	100	-	-	☒	☐	☐
		EAST	167	> 18	4 : 1	100	100	-	-	☒	☐	☐
		WEST	167	> 18	4 : 1	100	100	-	-	☒	☐	☐
✓ 28	ALTERNATIVE SOLUTIONS	N/A								[A] 1.2.1.1. & [C] 2.1.		

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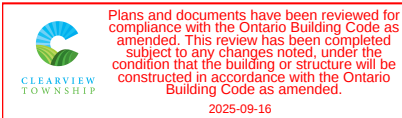
	JUNE 6, 2025	ISSUED FOR CLIENT REVIEW
	JULY 10, 2025	ISSUED FOR PERMIT
	AUG 18, 2025	REVISED TRUSS SPACING



44681 Gough Road, RR 2 Gorrie, Ontario
N0G 1X0 Phone: 1-877-366-4650
DESIGNER INFORMATION:
Duane Bauman BCIN 28073

ALL CONSTRUCTION IS TO CONFORM TO THE ONTARIO BUILDING CODE, LATEST EDITION

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED IMMEDIATELY. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROCEED IN UNCERTAINTY.



PROJECT # 25-06-224
WADDELL ENGINEERING LTD.
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Client	DAVE SANDHU		Drawing	COVER PAGE ALL ELEVATIONS	
Project Title	80'-0" X 100'-0" AG STORAGE BUILDING		Scale	1/8" = 1'-0"	
	793273 COUNTY RD 124 CLEARVIEW, ON L0M 1G0		Date	JUN 6, 2025	
			Drawn By	K. MARTIN	
			Proj. #	3385	

S1



LENGTH OF RETAINING WALL
DETERMINED BY SITE CONDITIONS

W2

W2

STEEL STAIR & LANDING
AS PER O.B.C.
SEE DETAIL 3/S6

S5

(4) 15M VERT

CUT OPENINGS DOWN 8"
PER DOCK DETAIL 4/S2

W1

W2a

UNEXCAVATED

6" CONCRETE FLOOR
6X6X6 WWM
32 MPA CONCRETE
MIN 6" COMPACTED GRANULAR "A"
UNDISTURBED SOIL

W1

W1

CUT OPENINGS DOWN 6"
BELOW FLOOR LEVEL.
POUR FLOOR OVER
(TYP. ALL OPENINGS)

W1

1
S2

FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

FOUNDATION WALLS

W1

TYP. FOUNDATION WALL:
8" THICK, 8'-0" HIGH
25 MPA CONCRETE
REINFORCE AS PER DETAILS

TYP. STRIP FOOTINGS
20 MPA CONCRETE
24" X 8" THICK
(2) 15M CONT.

SEE DETAIL 2/S2

W2

TYP. FOUNDATION RETAINING WALL:
8" THICK, 8'-0" HIGH
25 MPA CONCRETE
REINFORCE AS PER DETAILS

FOOTINGS PER DETAIL
20 MPA CONCRETE
36" X 12" THICK
(3) 15M CONT.

SEE DETAIL 3/S2

W2a

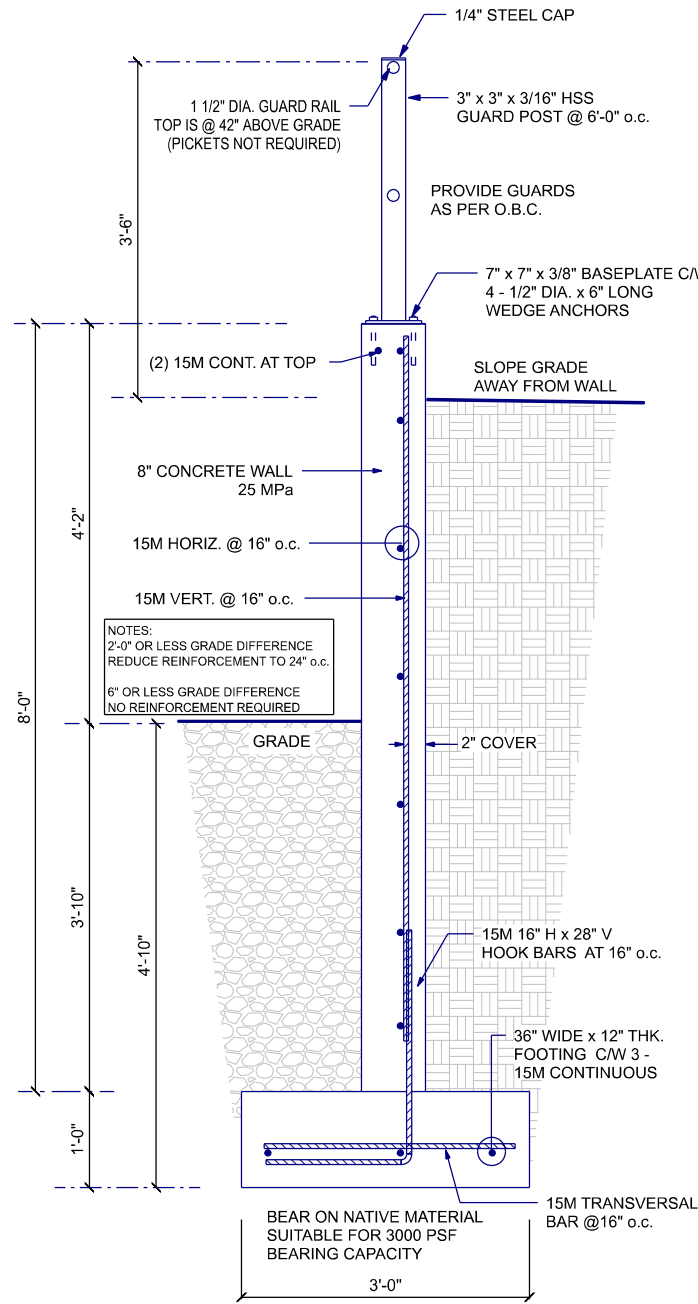
TYP. FOUNDATION RETAINING WALL:
8" THICK, 7'-6" HIGH
25 MPA CONCRETE
REINFORCE AS PER DETAILS

FOOTINGS PER DETAIL
20 MPA CONCRETE
36" X 12" THICK
(3) 15M CONT.

SEE DETAIL 4/S2

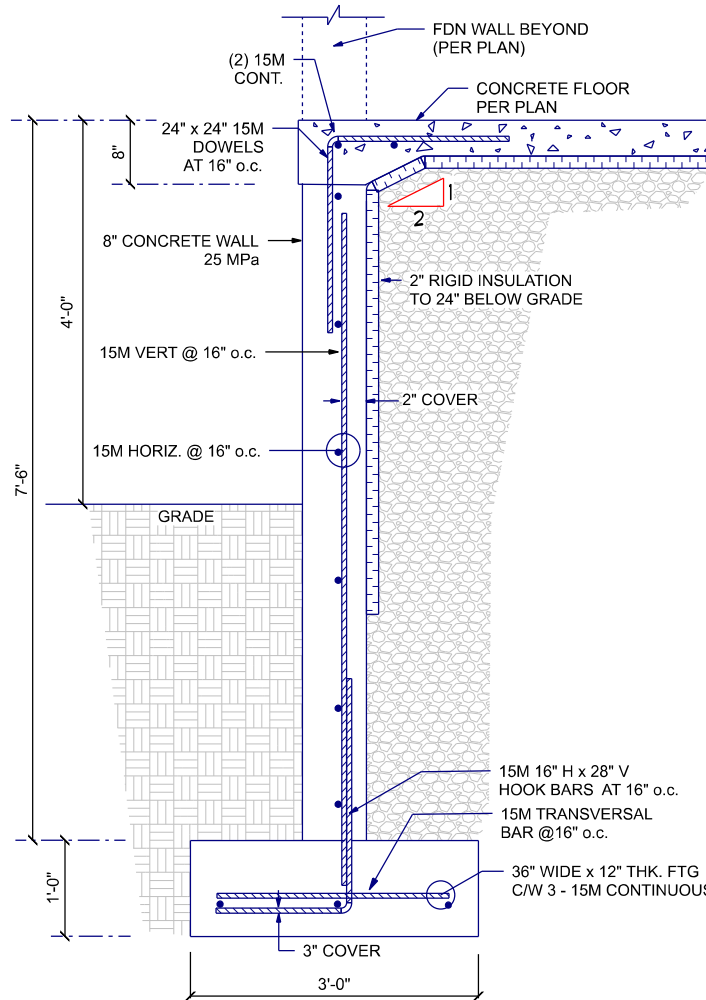
2
S2

FOUNDATION DETAIL
SCALE: 1/2" = 1'-0"



3
S2

RETAINING WALL DETAILS
SCALE: 1/2" = 1'-0"



4
S2

LOADING DOCK DETAILS
SCALE: 1/2" = 1'-0"

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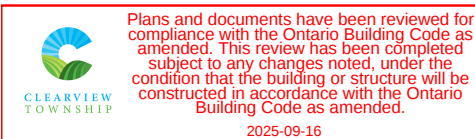
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DESIGNER INFORMATION:
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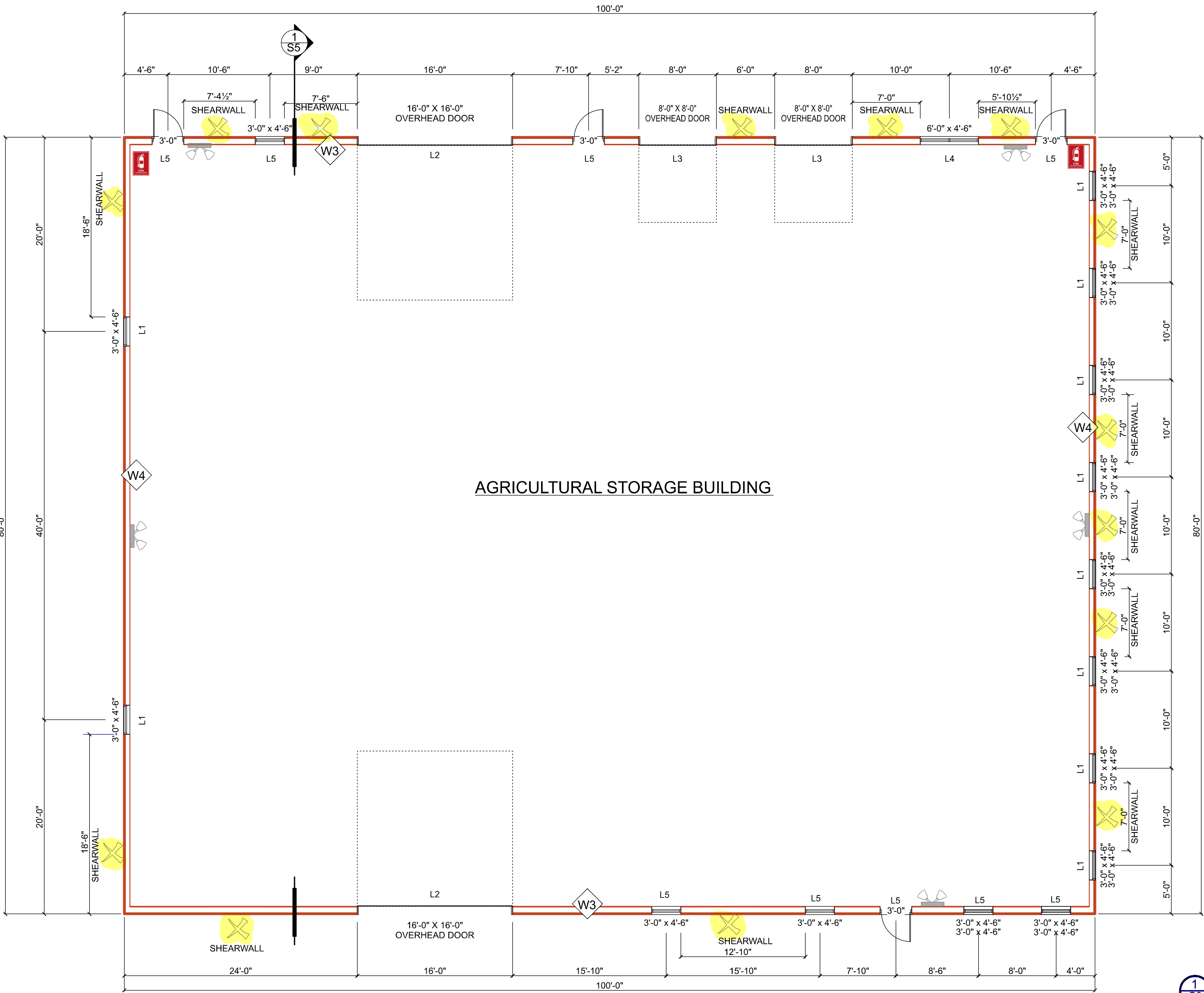


Client
DAVE SANDHU
Project Title
**80'-0" X 100'-0"
AG STORAGE BUILDING
793273 COUNTY RD 124
CLEARVIEW, ON
L0M 1G0**

Drawing
FOUNDATION PLAN

Scale
1/8" = 1'-0"
Date
JUN 6, 2025
Drawn By
K. MARTIN
Proj. #
3385

S2



1 S3 MAIN FLOOR PLAN
SCALE: 1/8" = 1'-0"

FRAMED WALLS

- W3** 2X8 EXTERIOR SIDE WALL
METAL WALL CLADDING (DIRECTLY APPLIED)
HOUSEWRAP (JOINTS TAPED)
7/16" OSB SHEATHING
SECURED W/ 2 3/8" NAIL GUN NAILS
@ 6" O.C. PANEL EDGES & 12" O.C. IN FIELD
2X8 STUDS @ 12" O.C. (EVERY 2nd STUD BELOW TRUSS)
BLOCKING @ 48" O.C.
SHEAR WALLS AS PER ELEVATIONS
- W4** 2X8 EXTERIOR END WALL
METAL WALL CLADDING (DIRECTLY APPLIED)
HOUSEWRAP (JOINTS TAPED)
7/16" OSB SHEATHING
SECURED W/ 2 3/8" NAIL GUN NAILS
@ 6" O.C. PANEL EDGES & 12" O.C. IN FIELD
2X8 STUDS @ 24" O.C.
BLOCKING @ 48" O.C.
SHEAR WALLS AS PER ELEVATIONS

LINTEL SCHEDULE:

- L1 = (2) 2X6 C/W 1 STUD BEARING & 1 STUD KING
- L2 = W14X38 STEEL BEAM LINTEL
C/W 4 STUDS BEARING & 5 STUDS KING
(EACH END) SEE DETAIL 2/S5
OR
HSS 5" X 5" X 1/4" STEEL BEARING COLUMN
SEE DETAIL 4/S5
- L3 = (3) 1 1/2" X 11 1/4" LVL 2.0E 3100fb
C/W 3 STUDS BEARING & 2 STUDS KING
- L4 = (3) 1 1/2" X 9 1/4" LVL 2.0E 3100fb
OR
(2) 1 1/2" X 14" LVL 2.0E 3100fb
C/W 2 STUDS BEARING & 2 STUDS KING
- L5 = (4) 2X10
OR
(2) 1 1/2" X 9 1/4" LVL 2.0E 3100fb
C/W 2 STUD BEARING & 1 STUD KING

LEGEND:

- ✓ = EMERGENCY LIGHTING
SHALL CONFORM WITH OBC 2.2.5.1. (1)
- ✓ = FIRE EXTINGUISHERS PLACED AT MIN 25M RADIUS
AS PER PART 6 OF THE FIRE CODE

TYPICAL DOOR NOTES:

- ALL DOORS SHALL HAVE CLEAR OPENING WIDTH OF AT LEAST 30"
- DOOR THRESHALD SHALL NOT BE MORE THAN 1/2" ABOVE SURROUNDING FINISHED FLOOR SURFACE, EXCEPT THAT DOORS TO CONTAIN ANIMAL LITTER MAY HAVE THRESHOLD HEIGHT OF UP TO 4" ABOVE SURROUNDING FINISHED FLOOR SURFACE.
- DOOR HARDWARE SHALL BE OPERABLE WITH ONE HAND, INSTALLED WITHIN 4'-0" OF FLOOR LEVEL.
- HARDWARE SHALL PERMIT DOOR TO BE READILY OPENED FROM THE INSIDE WITH NOT MORE THAN ONE RELEASING OPERATION AND WITHOUT THE USE OF KEYS, SPECIAL DEVICES OR SPECIAL KNOWLEDGE.

SHEARWALL

7/16" OSB ON ONE SIDE FASTENED
w/ 2 3/8" NAIL-GUN NAILS @ 4" o.c.
PANEL EDGES AND 12" o.c. IN FIELD. PROVIDE
BLOCKING @ 24" o.c. AND ALL PANEL EDGES.
(3) PLY STUD POST EACH END OF SHEARWALL
SEE DETAIL 3/S5

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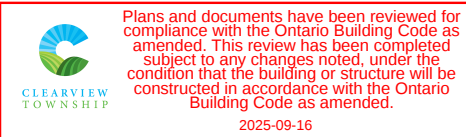
JUNE 6, 2025	ISSUED FOR CLIENT REVIEW
JULY 10, 2025	ISSUED FOR PERMIT
AUG 18, 2025	REVISED TRUSS SPACING



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N0G 1X0 Phone: 1-877-366-4650
DESIGNER INFORMATION:
Duane Bauman BCIN 28073

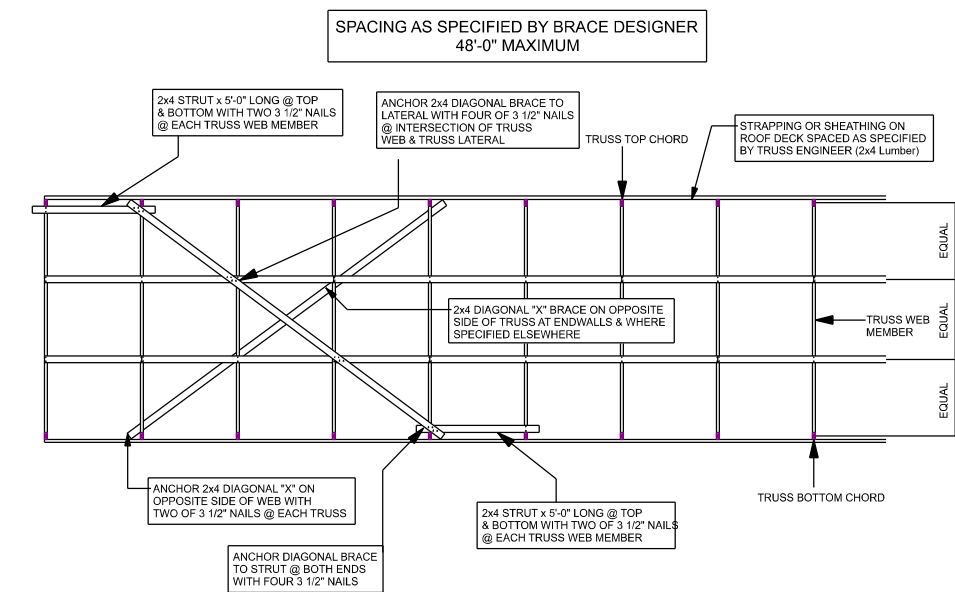
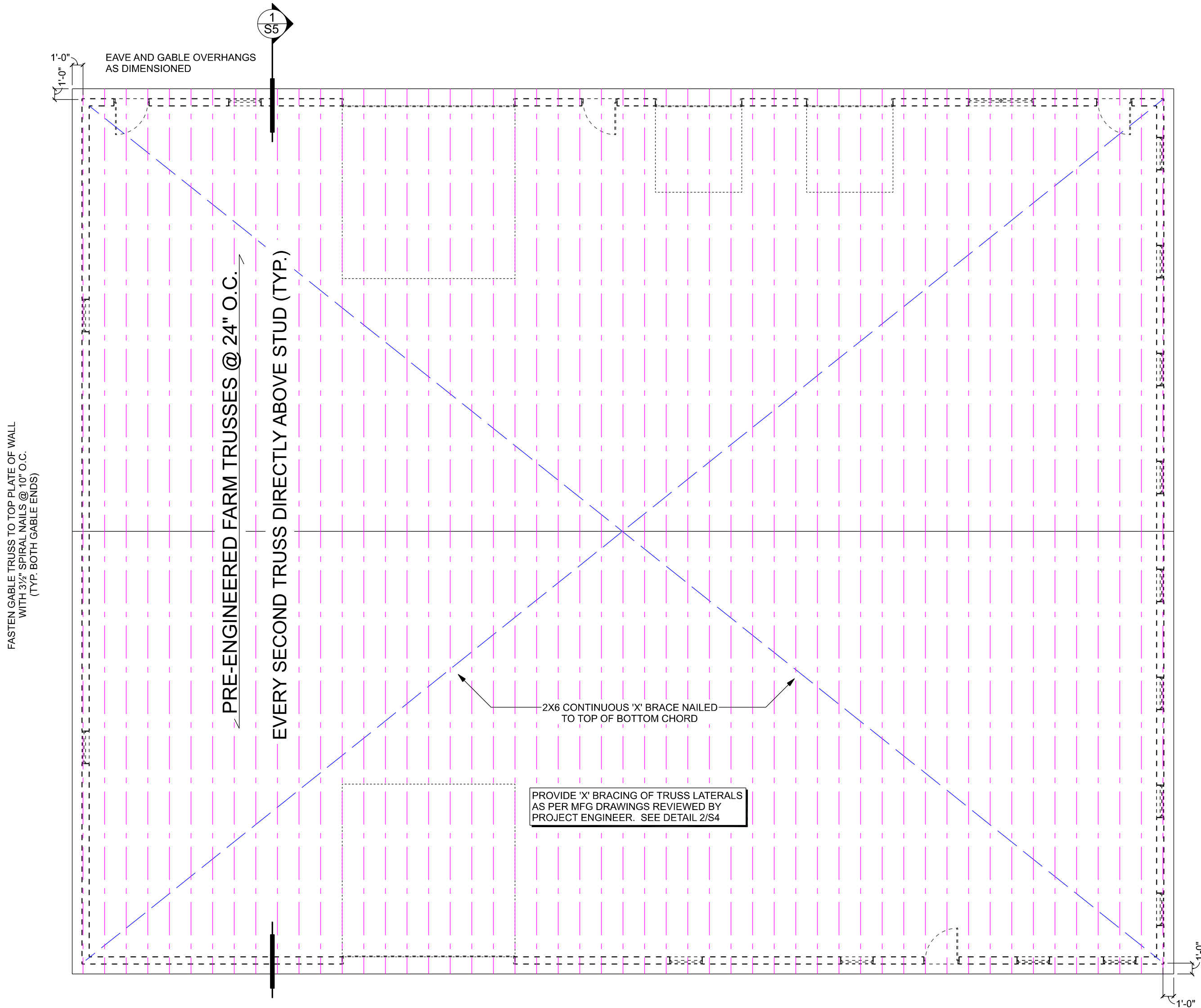
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THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED IMMEDIATELY. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROCEED IN UNCERTAINTY.



Client	DAVE SANDHU		Drawing	MAIN FLOOR PLAN	
Project Title	80'-0" X 100'-0" AG STORAGE BUILDING		Scale	1/8" = 1'-0"	
	793273 COUNTY RD 124 CLEARVIEW, ON L0M 1G0		Date	JUN 6, 2025	
			Drawn By	K. MARTIN	
			Proj. #	3385	

S3



NOTES FOR BRACING OF ROOF TRUSSES:

- 1 --> CONTRACTOR AND OR OWNER TO NOTIFY MANUFACTURER OF ANY TRUSS DEFICIENCIES SUCH AS DAMAGED OR BROKEN TRUSSES, WARPING OF TRUSS MEMBERS, AND MISSING OR OFFSET TRUSS PLATES.
- 2 --> DIAGONAL BRACING MUST BE PROVIDED ON ALL WEB MEMBERS THAT REQUIRE LATERAL BRACING. DIAGONAL BRACING SHALL BE SPACED AS NOTED ON THE ATTACHED DRAWING(S). & X-BRACING SHALL BE PROVIDED @ ENDWALLS @ INTERVALS NOTED ON THE ROOF PLAN.
- 3 --> PERMANENT LATERAL BRACING TO BE INSTALLED ON WEB MEMBERS AS INDICATED ON THE ROOF PLAN AND MANUFACTURERS DRAWINGS.
- 4 --> PROVIDE DIAGONAL BRACING @ ALL DISCONTINUITIES IN LATERAL BRACING SUCH AS WHERE TRUSS TYPE CHANGES
- 5 --> THE TRUSS SUPPLIER SHALL DESIGN THE TRUSSES FOR THE BRACING NOTED. BRACING DETAILS WILL NOT BE MODIFIED UNLESS SPECIFIED BY THE BUILDING DESIGNER.

2 S4 LATERAL X BRACE DETAIL

SCALE: 1/8" = 1'-0"

Truss Specs to be provided on site and a digital copy to be sent in for digital file.

ROOF NOTES:

PROVIDE ATTIC FIRE STOPS (IF APPLICABLE). 7/16" OSB SECURED TO TRUSS OR 2x3 FRAMING AS REQUIRED. ALL JOINTS SHALL HAVE CONTINUOUS SUPPORT. AREA IN COMPARTMENT SHALL EXCEED 900M². FIRE STOP NOT TO INTERFERE ROOF VENTILATION.

PROVIDE ATTIC HATCHES INTO EACH ATTIC PORTION OR PROVIDE 1 ATTIC HATCH AND DOOR IN THE FIRESTOPS.

LATERAL "X" BRACE AS PER TRUSS SHOP DRAWINGS SEE DETAIL 2/S4

EAVE & GABLE OVERHANGS AS SHOWN

LEGEND:

- - - - - = PRE-ENG. TRUSS
- - - - - = BOTTOM CHORD BRACING
- [- - - - -] = BEARING WALL

1 S4 ROOF PLAN

SCALE: 1/8" = 1'-0"

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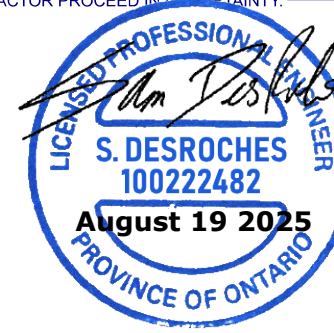
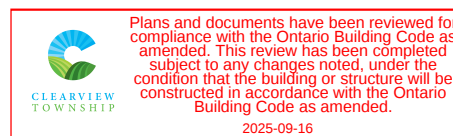
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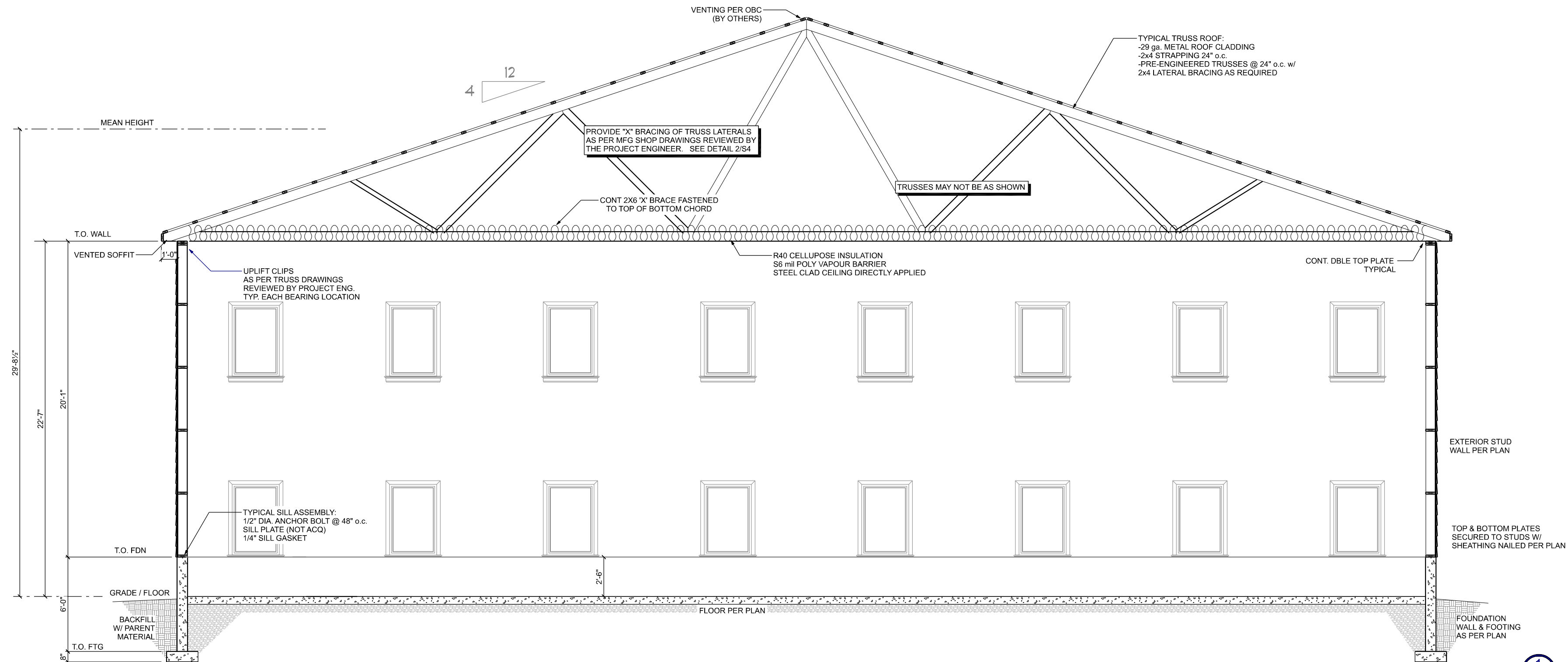
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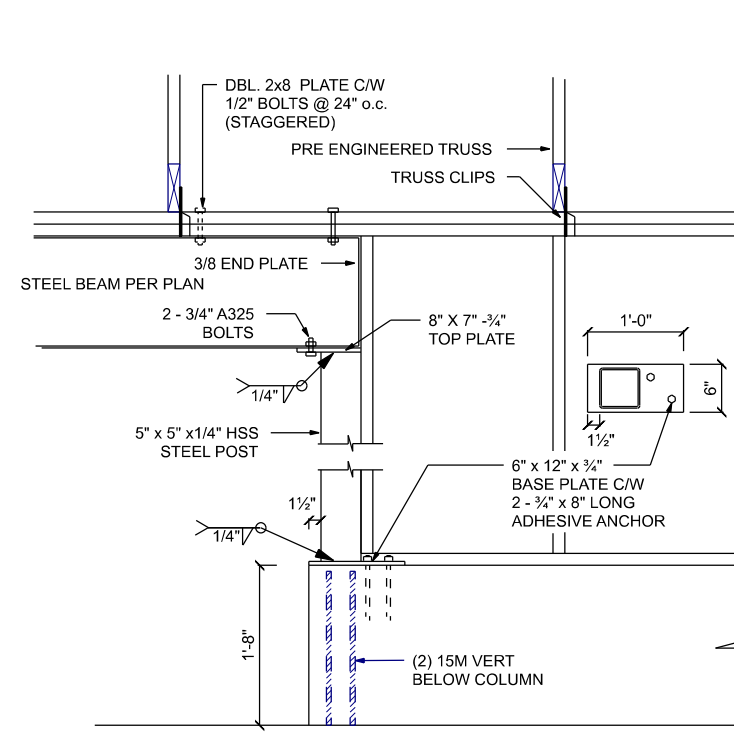


Client	DAVE SANDHU		Drawing	ROOF PLAN	
Project Title	80'-0" X 100'-0" AG STORAGE BUILDING		Scale	1/8" = 1'-0"	
	793273 COUNTY RD 124 CLEARVIEW, ON L0M 1G0		Date	JUN 6, 2025	
			Drawn By	K. MARTIN	
			Proj. #	3385	

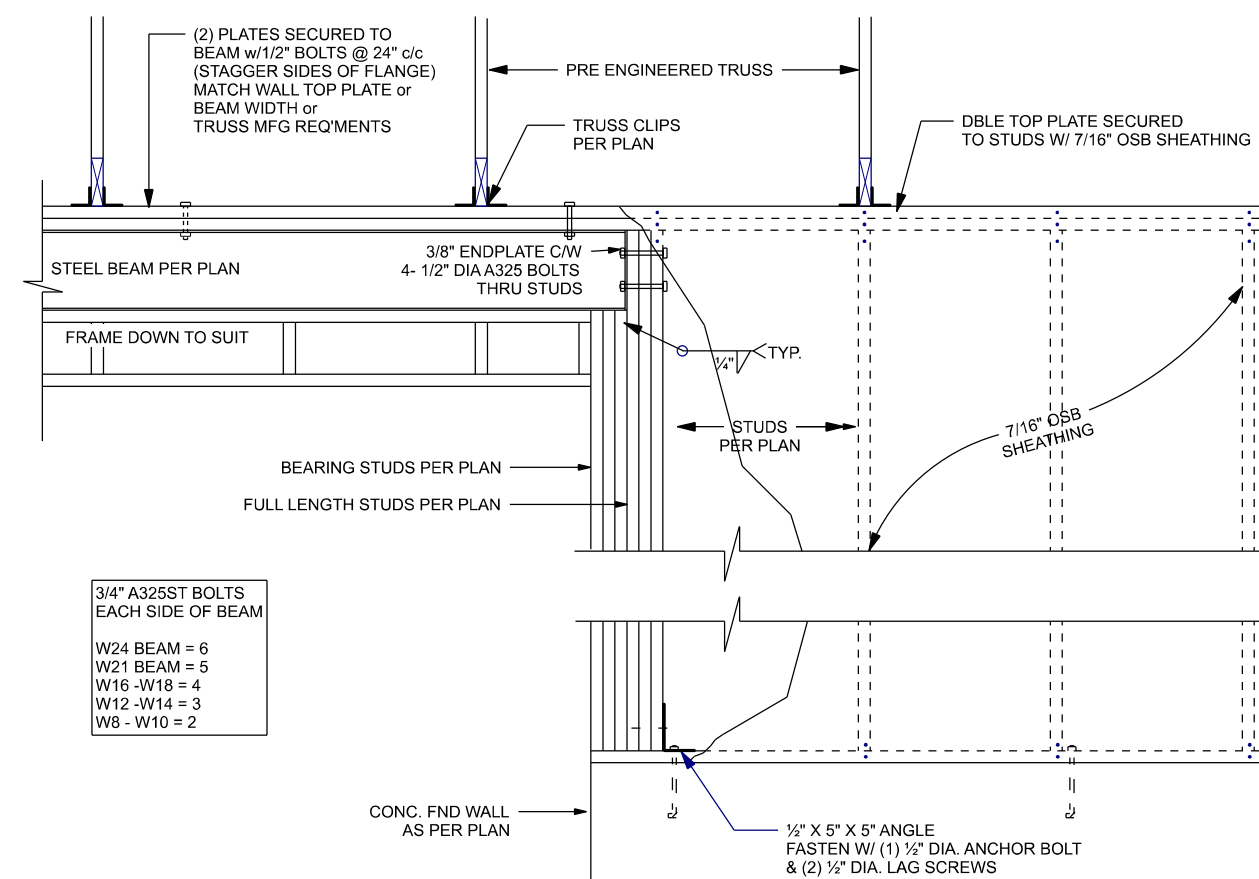
S4



1 BUILDING SECTION
SCALE: 3/16" = 1'-0"



4 STEEL BEAM TO STUD POST DETAIL
SCALE: 1/2" = 1'-0"



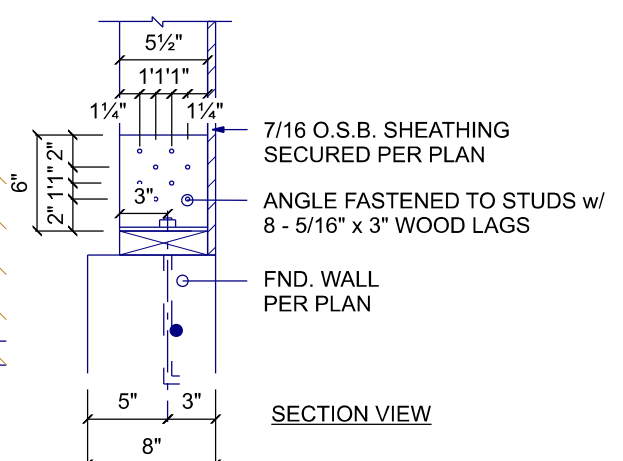
2 STEEL BEAM TO STUD POST DETAIL
SCALE: 3/16" = 1'-0"

7/16" OSB ON ONE SIDE FASTENED w/ 2 3/8" NAIL-GUN NAILS @ 4" o.c. PANEL EDGES AND 12" o.c. IN FIELD. PROVIDE BLOCKING @ 24" o.c. AND ALL PANEL EDGES. (TOP OF WALL SECURED TO TRUSS AS PER ROOF PLAN)

3 - PLY STUD POST EACH END OF WALL SECTION

6" x 3" x 1/4" ANGLE C/W 5/8" ANCHOR BOLT OR EQUIV. EPOXY ANCHOR (8" EMBED. INTO CONC.) AT EACH END OF SHEARWALL

3 SHEARWALL DETAIL
SCALE: 1" = 1'-0"



SIDE VIEW

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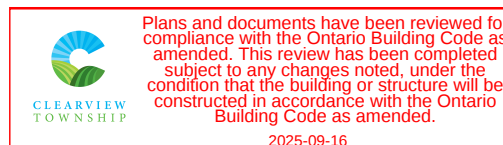
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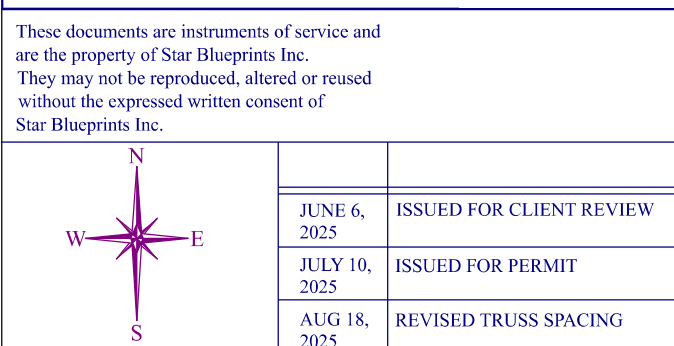
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Client	DAVE SANDHU		Drawing	BUILDING SECTION	
Project Title	80'-0" X 100'-0" AG STORAGE BUILDING		Scale	1/8" = 1'-0"	
	793273 COUNTY RD 124 CLEARVIEW, ON L0M 1G0		Date	JUN 6, 2025	
			Drawn By	K. MARTIN	
			Proj. #	3385	

S5



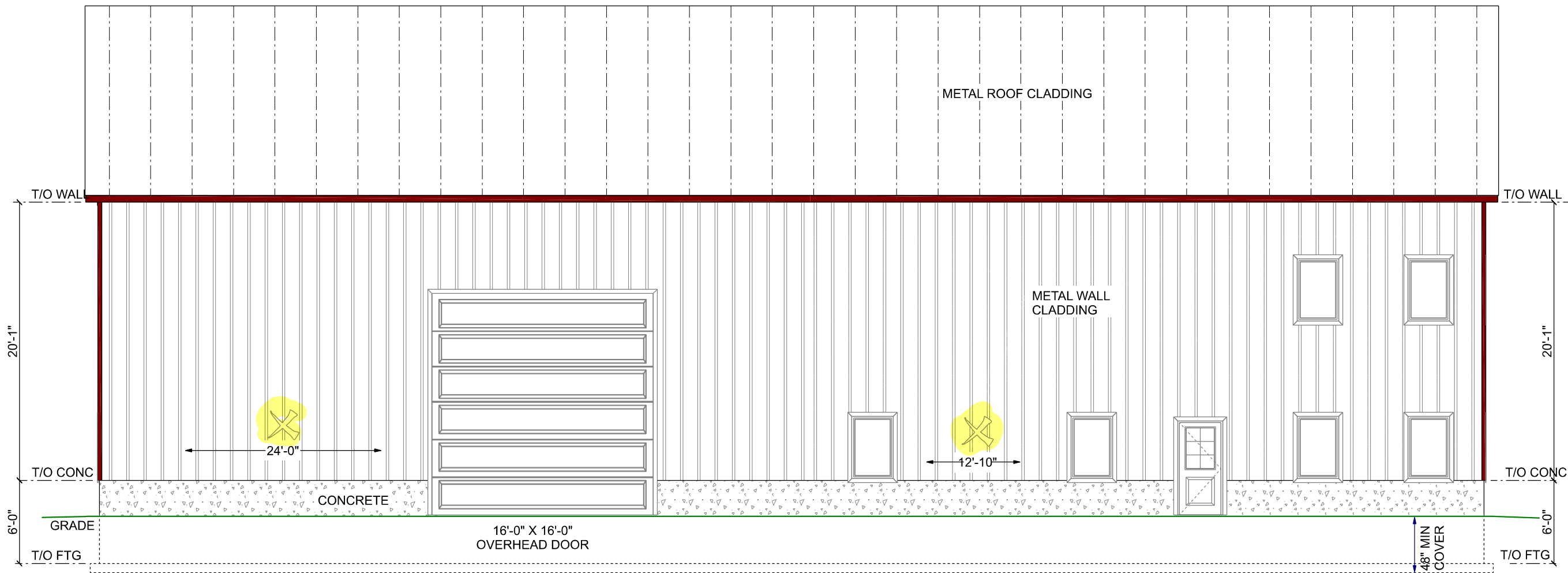
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Client	DAVE SANDHU		Drawing	WEST & SOUTH ELEVATION	
Project Title	80'-0" X 100'-0" AG STORAGE BUILDING 793273 COUNTY RD 124 CLEARVIEW, ON L0M 1G0		Scale	1/8" = 1'-0"	S6
			Date	JUN 6, 2025	
			Drawn By	K. MARTIN	
			Proj. #	3385	



SHEARWALL
7/16" OSB ON ONE SIDE FASTENED
w/ 2 3/8" NAIL-GUN NAILS @ 4" o.c.
PANEL EDGES AND 12" o.c. IN FIELD. PROVIDE
BLOCKING @ 24" o.c. AND ALL PANEL EDGES.
(3) PLY STUD POST EACH END OF SHEARWALL
SEE DETAIL 3/S5



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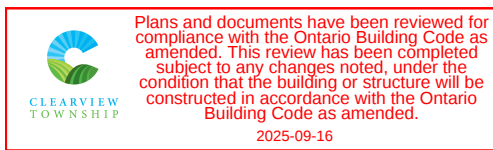
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Client
DAVE SANDHU
Project Title
80'-0" X 100'-0"
AG STORAGE BUILDING
793273 COUNTY RD 124
CLEARVIEW, ON
L0M 1G0

Drawing
EAST & NORTH ELEVATION

Scale
1/8" = 1'-0"
Date
JUN 6, 2025
Drawn By
K. MARTIN
Proj. #
3385

S7