## GENERAL

1. DESIGN & CONSTRUCTION OF ALL WORK ON THIS PROJECT SHALL CONFORM TO THE LATEST EDITION OF THE FOLLOWING:
   - NATIONAL BUILDING CODE
   - ONTARIO BUILDING CODE
   - LOCAL REGULATIONS
   - OHSA REGULATIONS
2. THE STRUCTURAL ENGINEERING REVIEW BY WADDELL ENGINEERING LTD (WEL) IS FOR THE STRUCTURAL ITEMS NOTED ON THE STAMPED DRAWINGS FOR WHICH THERE ARE NO ONTARIO BUILDING CODE (OBC) PART 9 PROVISIONS.
3. THE SEALED DRAWINGS ARE ONLY FOR USE BY THE PARTY WITH WHOM WEL HAS ENTERED INTO A CONTRACT (THE CLIENT) AND ARE NOT TO BE USED BY OTHERS.
4. WEL'S REVIEW IS BASED ON THE INFORMATION PROVIDED BY THE CLIENT AT THE TIME OF OUR REVIEW. WEL IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS FROM THIS INFORMATION. IT IS THE CLIENT'S RESPONSIBILITY TO INFORM US OF ANY CHANGES, ADDITIONS OR CORRECTIONS REQUIRED ON OUR DRAWINGS.
5. THIS SPECIFICATION SHEET IS TO SUPPLEMENT THE STAMPED DRAWINGS AND OBC PART 9 REQUIREMENTS. PLEASE CONTACT THE LOCAL BUILDING DEPARTMENT OR WEL, IF FURTHER CLARIFICATION IS REQUIRED.
6. WEL ASSUMES THAT ALL REQUIRED INSPECTIONS WILL BE DONE BY THE LOCAL BUILDING DEPARTMENT. IF WEL IS REQUIRED TO PERFORM AN INSPECTION, CALL (519) 267-6789. ALLOW 48 HOURS NOTICE FOR ALL INSPECTIONS.
7. NO CHANGES SHALL BE MADE TO THE STAMPED DRAWINGS WITHOUT NOTIFYING WEL PRIOR TO MAKING THOSE CHANGES.
8. THE CLIENT SHALL CHECK AND VERIFY ALL SITE CONDITIONS AND MEASUREMENTS, AND REPORT ANY DISCREPANCIES TO THE ENGINEER.

## DESIGN LOADS

1. DESIGN LOADS UNFACTORED UNLESS NOTED OTHERWISE.

ROOF DESIGN LOADS
DEAD LOAD = 0.29 kPa (6 psf) (ROOF RAFTERS / JOISTS OR TRUSS TOP CHORDS)
SNOW LOAD = Cb x Ss + 0.4 kPa; NOT LESS THAN 1 kPa (20.9 psf), AS PER OBC 9.4.2.2.
Cb = 0.55 kPa FOR ROOF WIDTH > 4.3m
Cb = 0.45 kPa FOR ROOF WIDTH <= 4.3m
Ss = 1-IN-50 GROUND SNOW LOAD in kPa

CEILING DESIGN LOADS
ATTIC OR ROOF SPACE WITH LIMITED ACCESSIBILITY
(CEILING JOISTS/TRUSS BOTTOM CHORDS), AS PER OBC 9.4.2.4.(1)
TOTAL SPECIFIED LOAD = 0.35 kPa (7.3 psf)

ACCESSIBLE ATTIC = SEE FLOOR LOADING BELOW.

FLOOR DESIGN LOADS
DEAD LOAD = 0.57 kPa (12 psf)
LIVE LOAD = 2.40 kPa (50 psf) (TYP. U.N.O.)

ACCESSIBLE EXTERIOR PLATFORMS, AS PER OBC 9.4.2.3.:
LIVE LOAD = GREATER OF 1.92 kPa (40 psf) OR SNOW LOAD

GUARD LOADS: AS PER OBC 2012 4.1.5.14.(1).

## MATERIALS

1. MATERIALS SHALL CONFORM TO THE FOLLOWING REQUIREMENTS U.N.O. ON THE STAMPED DRAWINGS:

| | |
|---|---|
| CONCRETE | - OBC 9.3.1. |
| REINFORCING STEEL | - CSA G30 |
| LUMBER & WOOD PRODUCTS | - OBC 9.23. |
| STEEL BEAMS | - OBC 9.23.4.3. |
| STEEL COLUMNS | - OBC 9.17. |
| ANCHOR BOLTS, STEEL PLATES & ROLLED SECTIONS | - CAN/CSA-G40.21 |
| STEEL HSS & W-BEAMS | - CAN/CSA-G40.21M-350W |
| ALL OTHER STEEL | - CAN/CSA-G40.21M-300W |
| STRUCTURAL BOLTS | - ASTM A325 |

## FOOTINGS AND FOUNDATIONS

1. ALL FOOTINGS AND FOUNDATIONS SHALL CONFORM TO OBC 9.15. UNLESS NOTED OTHERWISE (U.N.O.) ON THE STAMPED DRAWINGS.
2. FOOTINGS TO BEAR ON SOUND SUB-GRADE SUITABLE FOR 75 kPa (1,500 psf) ALLOWABLE SOIL BEARING CAPACITY. THE CLIENT IS TO INFORM WEL IF THE REQUIRED BEARING CAPACITY CANNOT BE ACHIEVED.
3. FOUNDATION WALLS SUPPORTING DRAINED EARTH HAVE BEEN DESIGNED FOR THE LOADS PROVIDED IN 9.4.4.6.(1)(a). ENSURE PROVISIONS ARE MADE FOR APPROPRIATE DRAINAGE OF GROUNDWATER.
4. ENSURE ALL FOUNDATION WALLS ARE LATERALLY SUPPORTED PRIOR TO BACKFILLING.
5. ALL REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF CAN/CSA-G30. REINFORCING BARS SHALL BE DEFORMED HI-BOND HARD GRADE WITH MINIMUM YIELD STRENGTH OF Fy = 400MPa.
6. FOR ALL CONCRETE EXPECTED TO BE EXPOSED TO CHLORIDES (DE-ICING CHEMICALS), IT IS RECOMMENDED TO USE MINIMUM 32 MPa C-1 CONCRETE. COORDINATE DESIGN w/ CONCRETE DESIGNER & SUBMIT DESIGN MIX FOR REVIEW.

## WOOD-FRAME CONSTRUCTION

1. ALL WOOD-FRAME CONSTRUCTION SHALL CONFORM TO OBC 9.23. U.N.O. ON THE STAMPED DRAWINGS.
2. ALL STRUCTURAL COMPOSITE LUMBER (SCL) SHALL BE 2.0E WITH Fb=2950 OR BETTER. FASTEN MULTI-PLY SCL BEAMS AS PER MANUFACTURER'S SPECIFICATIONS. PROVIDE 3" MIN. BEARING LENGTH AT ENDS, U.N.O..
3. ALL PRE-ENGINEERED SYSTEMS (I.E. ROOF TRUSSES, FLOOR JOISTS, ETC.) ARE TO BE DESIGNED AND SEALED BY A PROFESSIONAL ENGINEER OF ONTARIO. PROVIDE LAYOUTS AND STAMPED DRAWINGS TO WEL AND THE LOCAL BUILDING DIVISION.
4. ENSURE THE EXTERIOR WALLS ARE BRACED AS PER OBC 9.23.10.2. TO PROVIDE LATERAL SUPPORT FOR THE BUILDING.
5. PROVIDE SUFFICIENT LATERAL SUPPORT FOR THE TOP OF ALL DROPPED BEAMS AND LINTELS TO PREVENT LATERAL TORSIONAL BUCKLING
   A. AN EXAMPLE OF SUFFICIENT LATERAL SUPPORT IS (2) 3 1/4" NAILS PER JOIST FOR LEDGER STRIP TO WOOD BEAM CONNECTION (AS PER OBC TABLE 9.23.3.4.).
6. ALL WOOD COLUMNS SHALL CONFORM TO OBC 9.17. U.N.O. PROVIDE A BUILT-UP WOOD STUD COLUMN EQUAL TO THE WIDTH OF BEAM/GIRDER TRUSS UNDER ALL BEAM/GIRDER TRUSSES MIN. U.N.O. CONTINUE ALL COLUMNS DOWN TO FOUNDATION OR FULL BEARING ON BEAMS, BLOCK SOLID IN JOIST SPACES, TYPICAL (TYP.).
7. ALL LINTELS TO HAVE 1 JACK STUD, 1 KING STUD AT ENDS U.N.O.
8. ALL WOOD SHALL BE NO. 2 SPRUCE OR BETTER.
9. ALL GUARDS SHALL CONFORM TO OBC 9.8.8. AND SUPPLEMENTARY STANDARD SB-7 U.N.O.

## ROOF AND CEILING FRAMING

1. ALL ROOF AND CEILING FRAMING SHALL CONFORM TO OBC 9.23.13. U.N.O. ON THE STAMPED DRAWINGS.
2. ALL ROOF RAFTERS/JOISTS AND CEILING JOISTS SHALL CONFORM TO THE SPANS SHOWN IN OBC PART 9 TABLES A-3 TO A-7.
3. WHERE REQUIRED, PROVIDE INTERMEDIATE SUPPORT FOR ROOF RAFTERS/JOISTS AS PER OBC 9.23.13.7.
   A. WEL ASSUMES THAT COLLAR TIES WILL BE USED TO PROVIDE INTERMEDIATE SUPPORT INSTEAD OF STRUTS OR DWARF WALLS U.N.O. (I.E. ALL ROOF RAFTERS/JOISTS BEAR ON EXTERIOR WALLS ONLY AND INTERIOR WALLS SUPPORT CEILING JOISTS ONLY U.N.O.).
4. WHERE THE RIDGE IS UNSUPPORTED, ROOF RAFTERS/JOISTS ARE TO BE TIED TO THE CEILING JOISTS (OR SOLID BLOCKING AT 3'-11" o.c. MAX.) AT THEIR BASE AND NAILED AS PER OBC TABLE 9.23.13.8. TO PREVENT OUTWARD MOVEMENT.
5. OVER-FRAMED AREAS ARE TO BE SUPPORTED ON LOWER ROOF RAFTERS/JOISTS BY 2x4 STRUTS @ 24" EACH WAY MIN., TYPICAL U.N.O..
6. WOOD ROOF TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH OBC 9.23.13.11., OR PART 4 IF THEIR SPAN EXCEEDS 40'-0" (AS PER OBC 9.23.1.1).
   A. IF THE TRUSSES ARE DESIGNED IN ACCORDANCE WITH OBC PART 4, THE DESIGN OF UPLIFT ANCHORS SHALL BE PROVIDED BY THE TRUSS SUPPLIER ALONG WITH LAYOUTS AND STAMPED DRAWINGS.

## STRUCTURAL STEEL

1. ALL WELDING SHALL BE PERFORMED BY A CANADIAN WELDING BUREAU CERTIFIED WELDER AND CONFORM TO CSA STANDARD W59.
2. PROVIDE SUFFICIENT LATERAL SUPPORT FOR STEEL BEAMS TO PREVENT LATERAL TORSIONAL BUCKLING. SUFFICIENT LATERAL SUPPORT EXAMPLES:
   A. DROPPED STEEL BEAM - AS PROVIDED IN OBC 9.23.4.3.(3) OR 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.
   B. 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.
3. 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., STAGGERED.
4. 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") FILLET WELD EACH SIDE.
5. ALL STEEL COLUMNS ARE TO BE LATERALLY SUPPORTED TOP & BOTTOM [I.E. 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.).
6. ALL STRUCTURAL STEEL TO BE FINISHED AS APPROVED BY GENERAL CONTRACTOR.



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LICENSED PROFESSIONAL ENGINEER
S. DESROCHES
100222482
August 08 2024
PROVINCE OF ONTARIO

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PROJECT:
30'-0" x 40'-0" SHED
1143 MAPLE MANOR ROAD EAST
N1R 5S6 CAMBRIDGE, ON.

CLIENT:
NORMAN HANN

DRAWING TITLE:
GENERAL NOTES

| | |
|---|---|
| DRAWN BY: RS | DATE: 2024-08-08 |
| DESIGN BY: AGRES | SHEET NO: |
| SCALE: AS NOTED | |
| PROJECT NO: 24-05-228 | S0.0 |

## GENERAL NOTES:

**FOUNDATIONS:**

1. REMOVE ALL TOPSOIL AND ORGANIC MATERIAL FROM THE BUILDING AREA.
2. SLAB MUST BE CARIED DOWN TO NATURAL UNDISTURBED SOIL CAPABLE OF SUSTAINING 1500 PSF (75 kPa) [STRUCTURE UNDER PART 9] OR 3000 PSF (150 kPa) [ALL OTHER STRUCTURES] ALLOWABLE SOIL BEARING PRESSURE.
3. IF GRADE TO BE BUILT UP, GRANULAR FILL 'A' IS TO BE USED & COMPACTED IN MAXIMUM 6" LIFTS. **FILL & COMPACTION TO BE CONFIRMED BY GEOTECHNICAL ENGINEER.**
4. IF INSULATION IS SHOWN ON DRAWINGS PROVIDE INSULATION AS PER CANADIAN FOUNDATION ENGINEERING MANUAL.
5. UNDER SLAB INSULATION: IF NOT INSTALLED, CLIENT/CONTRACTOR ACCEPTS THE POTENTIAL OF CRAKCING/HEAVING OVER TIME (IF BUILDING IS NOT HEATED) OR HEAT LOSS (IF BUILDING IS HEATED)
6. PERIMETER INSULATION: IF NOT INSTALLE, CLIENT/CONTRACTOR ACCEPTS THE POTENTIAL OF CRACKING/HEAVING OVER TIME.
7. IF SLAB IS INSULATED, BRICK VENEER MAY BE USED UP TO MAXIMUM OF 4'-0" ABOVE SLAB.
8. CLIENT/CONTRACTOR TO CONFIRM SLAB DIMENSIONS BEFORE ORDERING MATERIAL & CONSTRUCTION.

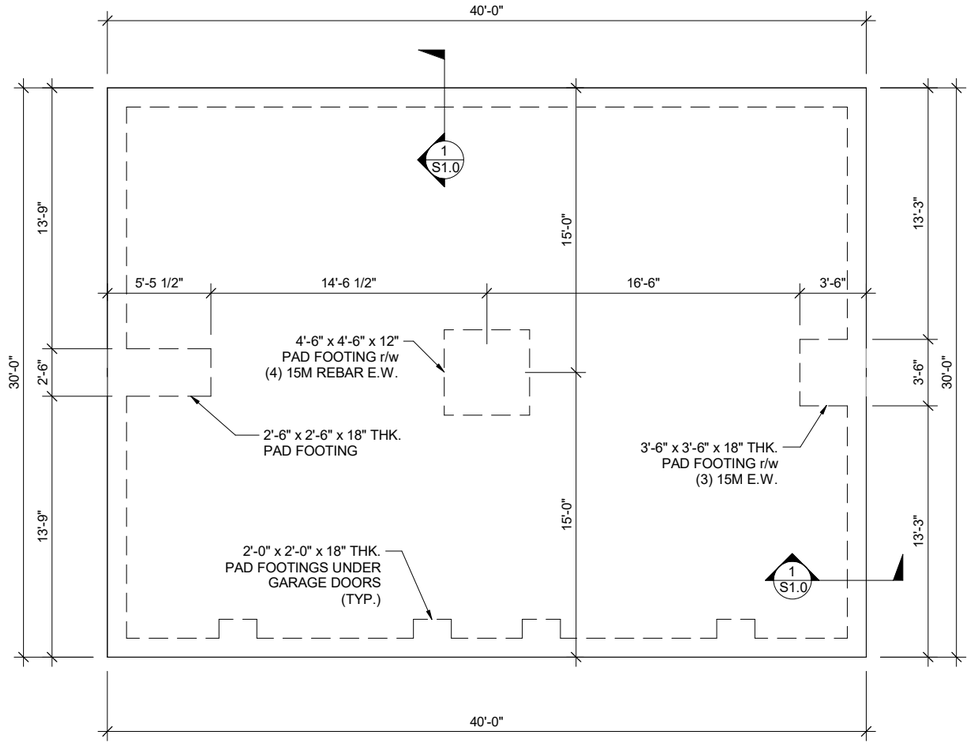
**CONCRETE:**

1. ALL CONCRETE ON THIS PROJECT SHALL HAVE A MINIMUM OF 28 DAY COMPRESSIVE STRENGTH OF 32 MPa. WITH 6% AIR-ENTRAINMENT AND 0.45 MAX WATER-TO-CEMENT RATIO.
2. ALL REINFORCEMENT IS TO BE GRADE 400 MPa.
3. REBAR SPLICE LENGTH; 15M BAR: 18" LAP
   WELDED WIRE MESH (WWM): 9" LAP
4. ALL CONCRETE WORK SHALL BE CARRIED OUT IN ACCORDANCE TO THE LATEST EDITION OF THE NATIONAL BUILDING CODE, CAN/CSA-A.23.1/A23.2-M90 AND LOCAL BY-LAWS.
5. CONCRETE COVER SHALL BE AS FOLLOWS:
   a) 3" WHERE CONCRETE IS IN CONTACT WITH EARTH (I.E. FOOTINGS)
   b) 2" WHERE IN FORMS TO WEATHER OR EARTH (I.E. SIDE OF THE FLOATING SLAB)
6. SLAB ON GRADE SHALL BEAR ON MIN. 6" GRANULAR 'A' FILL (COMPACTED TO 98% SPDD) ON ORIGINAL SUBGRADE.
7. SLOPE GRADE AWAY FROM BUILDING.
8. SAW CUT SLAB TO A DPETH OF 1/4 SLAB THICKNESS (1 1/2"). SPACE SAW CUTS @ 15' o.c.
9. SLAB IS NOT TO BE POURED ON FROZEN GROUND.
10. SLAB IS TO BE POURED MONOLITHICALLY @ ONE TIME.
11. SLIP JOINTS RECOMMENDED FOR ALL UTILITY CONNECTIONS.

**REVIEW OF FLOATING SLABS:**

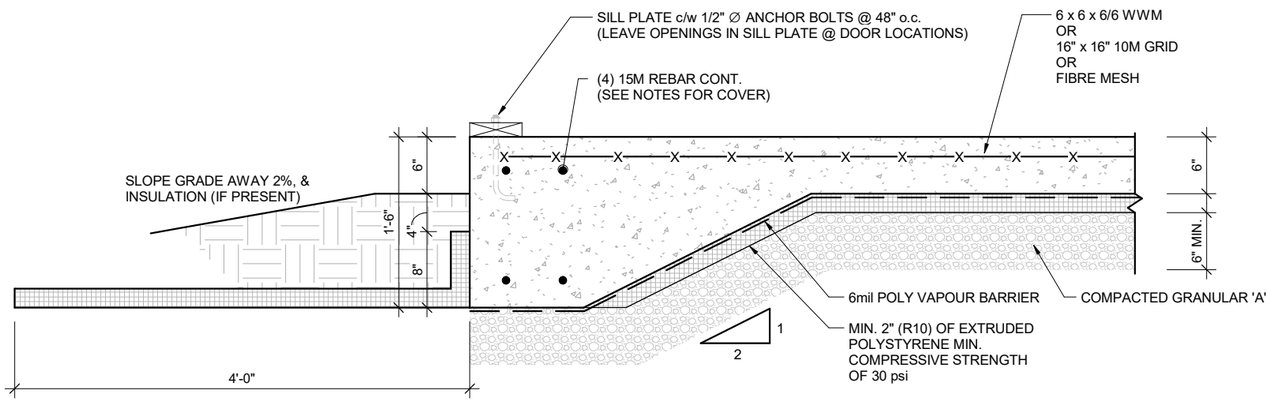
IF REVIEW & SIGN-OFF OF THE FLOATING SLAB IS REQUIRED, PROVIDE PHOTOS OF THE FOLLOWING ITEMS TO WADDELL ENGINEERING LTD (WEL) FOR REVIEW **BEFORE CONCRETE IS POURED:**

- EXCAVATION
- FORM WORK (INCLUDING A TAPE MEASURE FOR SCALE, SHOWING DEPTH OF FORMS)
- REBAR (INCLUDING A TAPE MEASURE FOR SCALE, SHOWING PLACEMENT & CONCRETE COVER)
- INSULATION (IF PRESENT)




## FOUNDATION PLAN

1/8" = 1'-0"




1 / S1.0 **SECTION**

FLOATING SLAB (EXT'R EDGE)

3/4" = 1'-0"



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100222482
August 08 2024
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**WADDELL ENGINEERING LTD.**
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Phone: 519-267-6789
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PROJECT:

30'-0" x 40'-0" SHED

1143 MAPLE MANOR ROAD EAST, CAMBRIDGE, ON. N1R 5S6

CLIENT:

NORMAN HANN

DRAWING TITLE:

FOUNDATION PLAN

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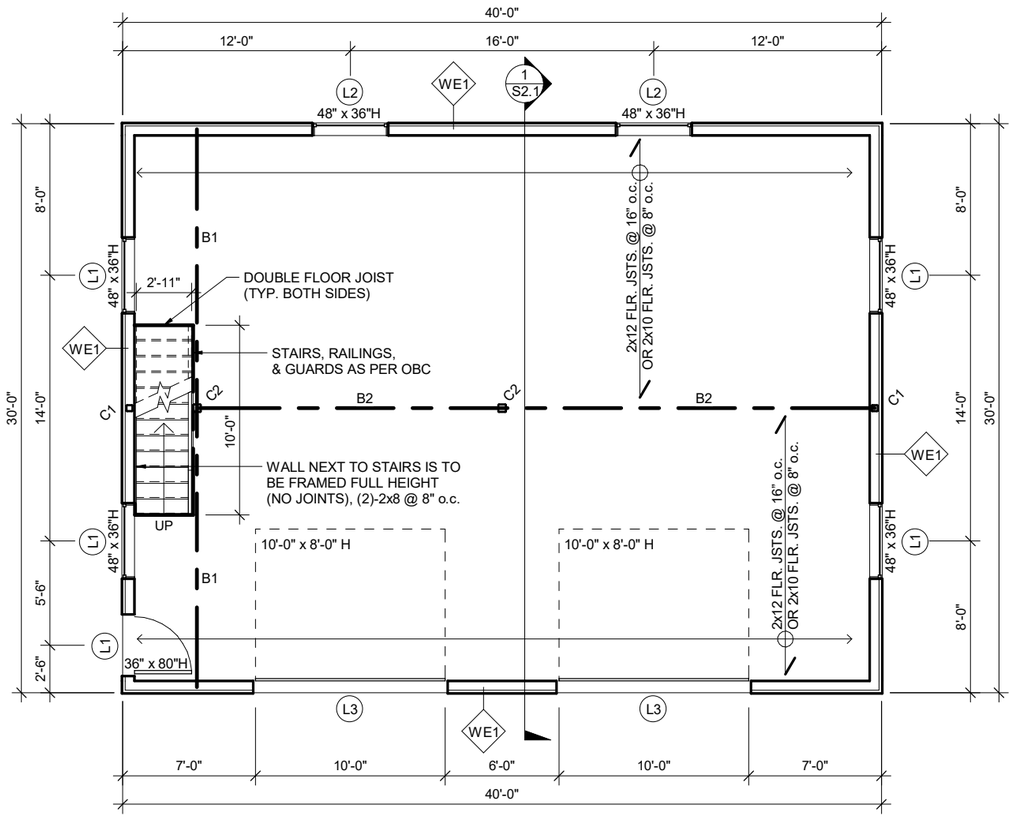



## GROUND FLOOR PLAN

1/8" = 1'-0"

## BEAM SCHED.

| MARK | SIZE |
|---|---|
| B1 | (2)-2x12 OR (3)-2x10 |
| B2 | W12x30 OR W10x45 |

## LINTEL SCHEDULE

| MARK | SIZE | BEARING |
|---|---|---|
| L1 | (2)-2x6 | (1) JACK + (1) KING |
| L2 | (2)-2x10 | (1) JACK + (1) KING |
| L3 | (2)-1.75" x 9.25" 2.0E LVL 3100fb | (2) JACK + (2) KING |

## COLUMN SCHEDULE

| MARK | SIZE | BASEPLATE / ANCHORS |
|---|---|---|
| C1 | HSS4x4x1/4" | 10"x10"x3/4"thk. w/ (4) 5/8"dia. EPOXY A.B.'S c/w 6" EMBED. |
| C2 | HSS5x5x1/4" | 10"x7"x3/4"thk. w/ (2) 5/8"dia. EPOXY A.B.'S c/w 6" EMBED. |

**P.T. RATING:**
**DECKING -** UC3.2B
**LEDGER BOARDS, JOISTS, BEAMS, STAIR STRINGERS -** UC3.2C
**POSTS -** UC4.1D
**NOTE:** MEMBERS IN UNCONDITIONED SPACES THAT ARE NOT DIRECTLY EXPOSED TO THE ELEMENTS MAY BE LEFT UNTREATED, BUT WOOD CONDITION AND AESTHETIC MAY SUFFER OVER TIME.

## ASSEMBLY SCHEDULE

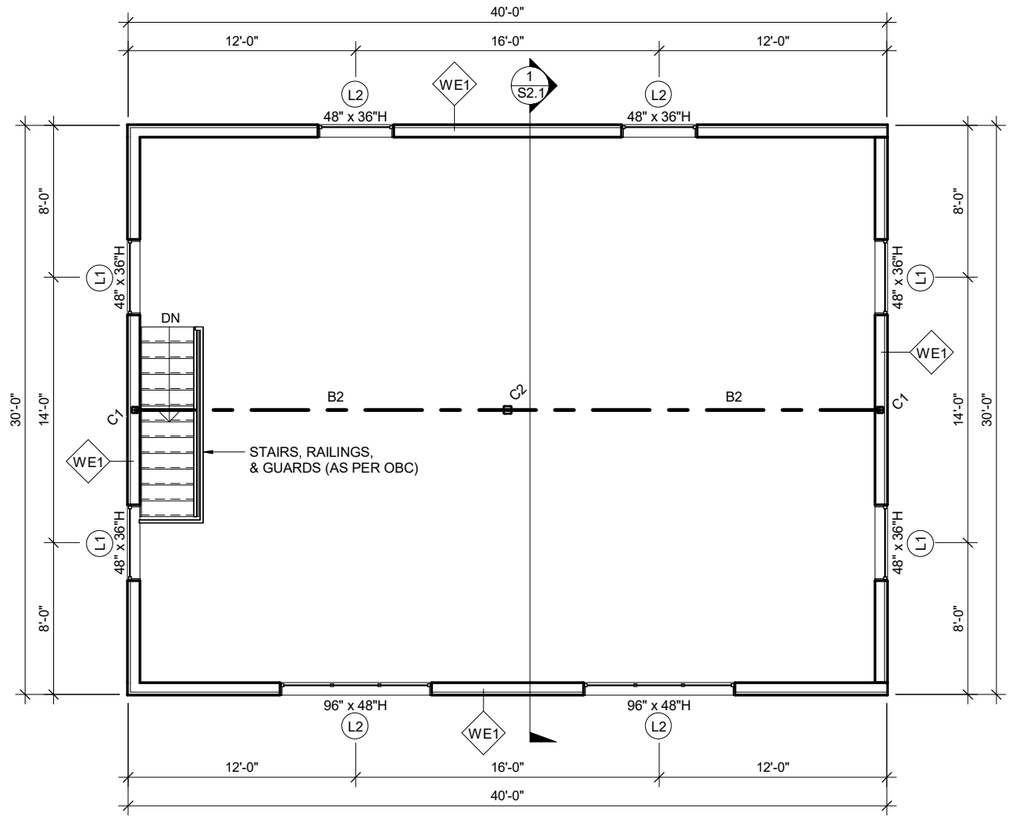
**F1 TYPICAL SLAB ON GRADE CONSTRUCTION:**
- FLOOR FINISH (BY OWNER)
- 6" CONCRETE FLOOR SLAB
- 6 mil POLY VAPOUR BARRIER
- 2" EXTRUDED POLYSTYRENE INSULATION (R10 MIN.)
- 6" COMPACTED GRANULAR 'A' FILL

**F2 TYPICAL FLOOR CONSTRUCTION:**
- FLOOR FINISH (PER OWNER)
- 3/4" T&G PLYWOOD SHEATHING, GLUED & SCREWED
- FLOOR FRAMING AS PER PLANS c/w SOLID BLOCKING @ 6'-0" o.c. (MAX.) & AT ALL LAPPED JOISTS BEARING
- INT'R FINISH (PER OWNER)

**WE1 EXTERIOR WALL CONSTRUCTION (TYP. U.N.O.):**
- VINYL SIDING (PER CLIENT)
- TYPAR AIR BARRIER, JOINTS TAPED
- 2x4 STRAPPING @ 24" o.c.
- 2x6 WOOD STUDS @ 24" o.c. w/ ROCKWOOL BATT INSULATION (R22 MIN.)
- 6mil POLY VAPOUR BARRIER
- INT'R FINISH (PER OWNER)

**R1 TYPICAL ROOF CONSTRUCTION:**
- 29 Ga. STEEL ROOFING
- SYNTHETIC ROOF UNDERLAYMENT
- 1/2" PLYWOOD SHEATHING + H-CLIPS
- ROOF FRAMING AS PER PLANS w/ BLOWN-IN-PLACE INSULATION (R60 MIN.)
- 6 mil POLY VAPOUR BARRIER
- INT'R FINISH (PER OWNER)

**NOTE:**
PROVIDE SOLID BLOCKING @ 48" o.c. IN ALL WALLS TALLER THAN 9'-6".




## LOFT FLOOR PLAN

1/8" = 1'-0"



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30'-0" x 40'-0" SHED
1143 MAPLE MANOR ROAD EAST CAMBRIDGE, ON. N1R 5S6

CLIENT:
NORMAN HANN

DRAWING TITLE:
FLOOR PLANS

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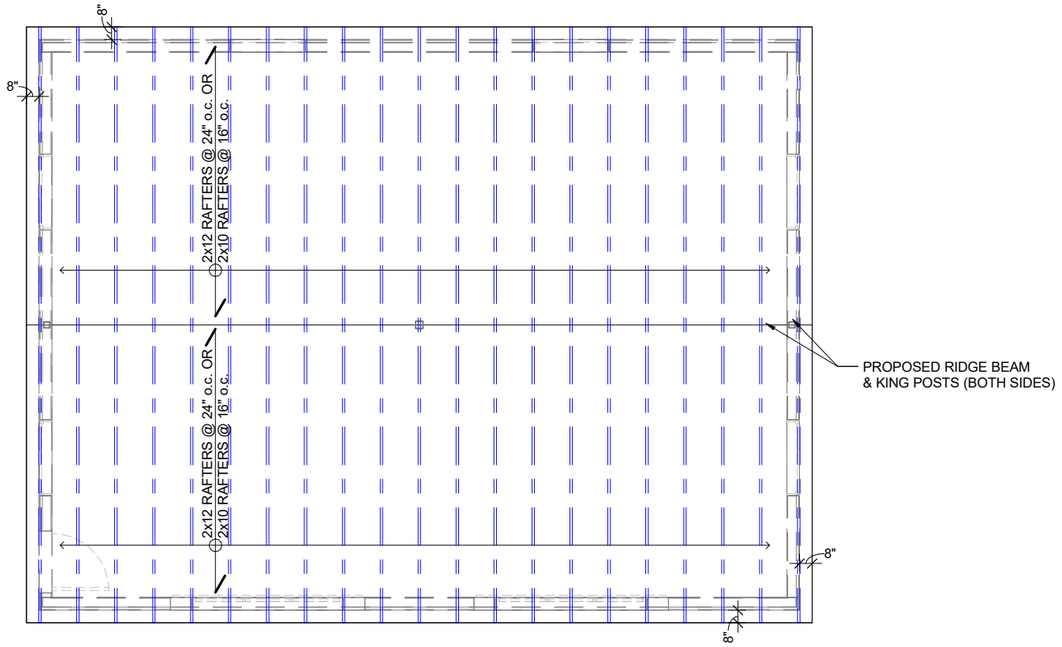
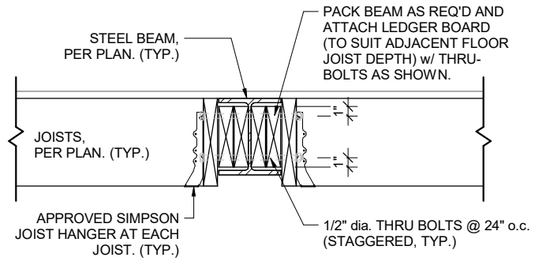



## ROOF TRUSS FRAMING PLAN

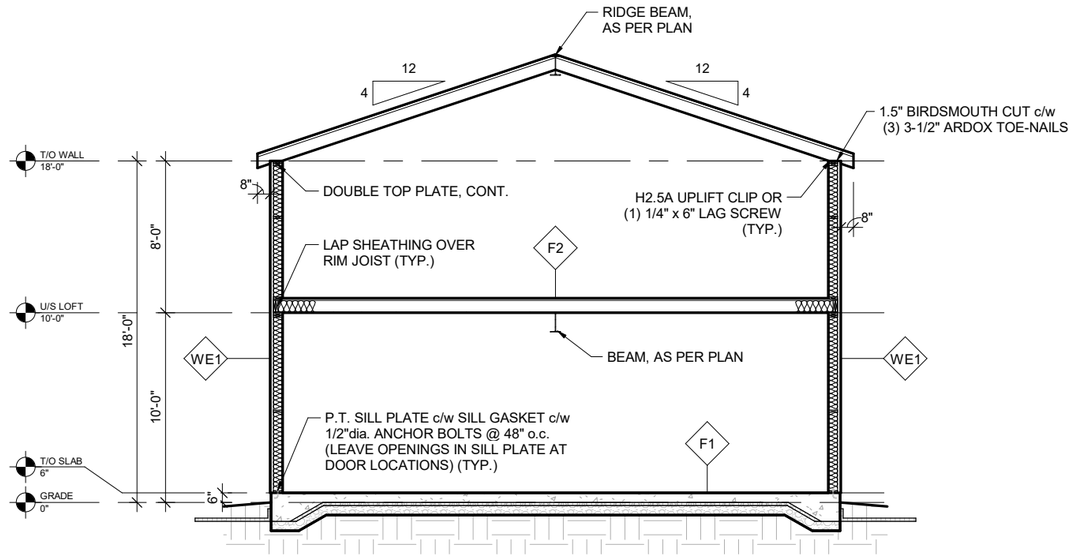
1/8" = 1'-0"




2 / S2.1 SECTION

STEEL BEAM FLUSH

3/4" = 1'-0"




1 / S2.1 SECTION

BUILDING SECTION

1/8" = 1'-0"



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30'-0" x 40'-0" SHED

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CLIENT:

NORMAN HANN

DRAWING TITLE:

ROOF FRAMING PLAN & BUILDING SECTION

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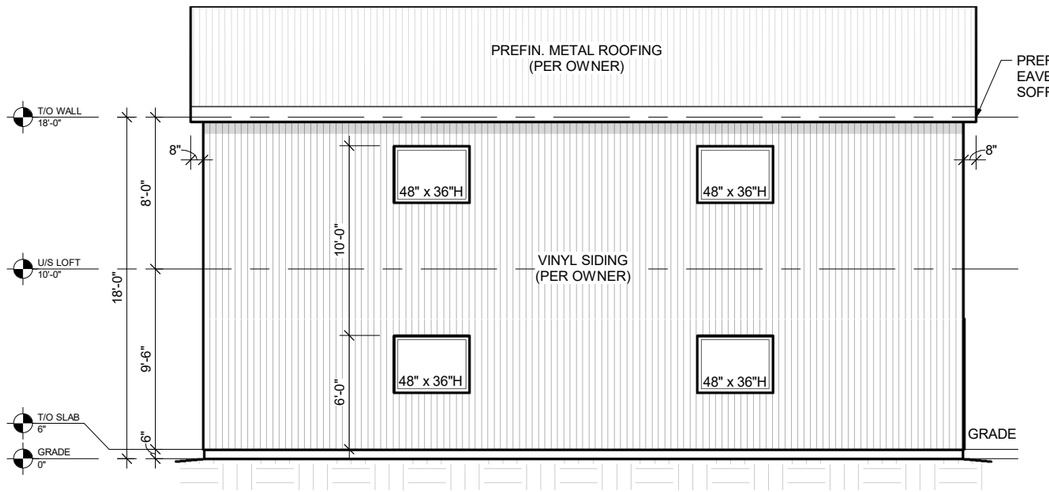
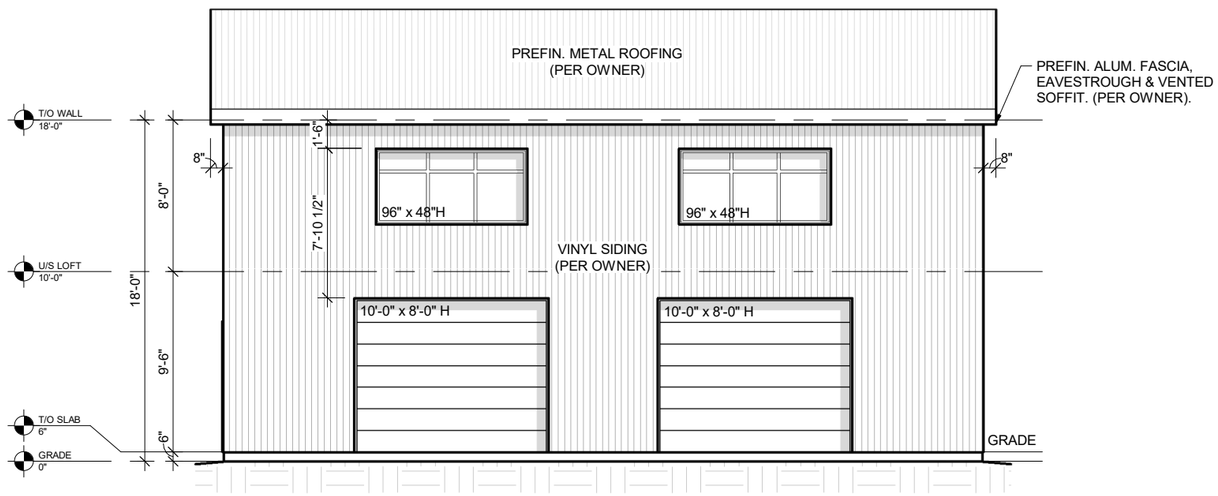
| SCALE: AS NOTED | |
| PROJECT NO: 24-05-228 | S2.1 |




NORTH ELEVATION

1/8" = 1'-0"




SOUTH ELEVATION

1/8" = 1'-0"



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PROJECT:

30'-0" x 40'-0" SHED

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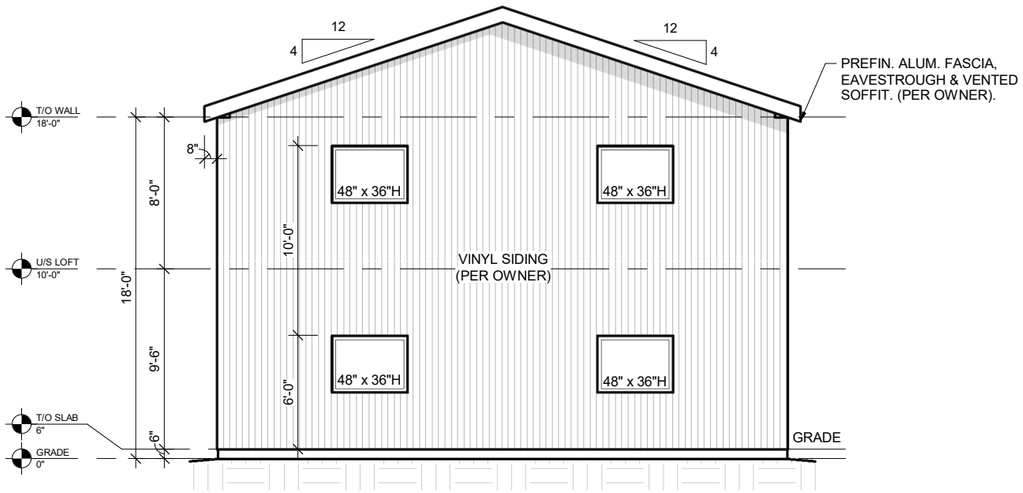
CLIENT:

NORMAN HANN

DRAWING TITLE:

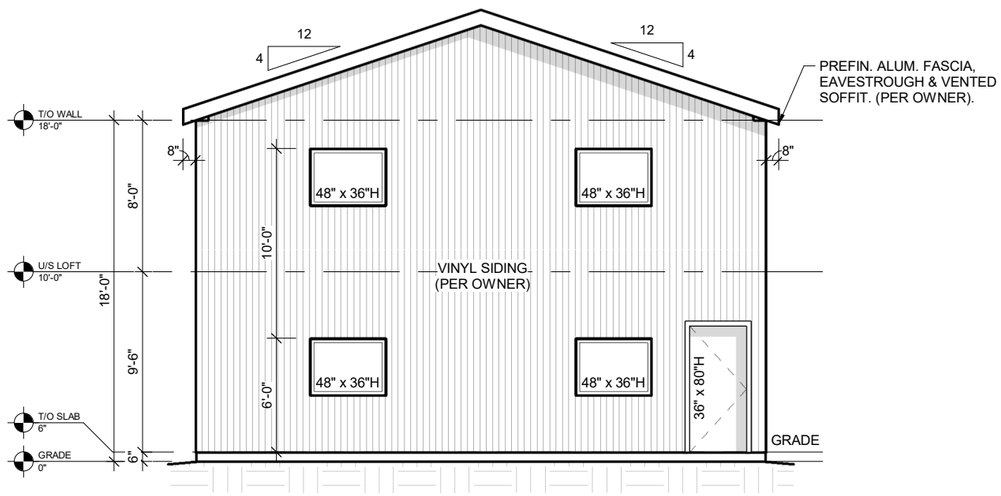
BUILDING ELEVATIONS

| | |
|---|---|
| DRAWN BY: RS | DATE: 2024-08-08 |
| DESIGN BY: AGRES | SHEET NO: |
| SCALE: AS NOTED | |
| PROJECT NO: 24-05-228 | S3.0 |




EAST ELEVATION

1/8" = 1'-0"




WEST ELEVATION

1/8" = 1'-0"



| REV | BY | DATE | DESCRIPTION |
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| 2 | RS | 2024-08-08 | STAMPED |
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| 0 | RS | 2024-07-12 | ISSUED FOR CLIENT REVIEW |

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S. DESROCHES
100222482
August 08 2024
PROVINCE OF ONTARIO

WADDELL ENGINEERING LTD.
119 PINEBUSH RD, UNIT C
CAMBRIDGE, ON N1R 7J8
www.waddelleng.com
Phone: 519-267-6789
Fax: 1-866-388-9659
info@waddelleng.com

PROJECT:

30'-0" x 40'-0" SHED

1143 MAPLE MANOR ROAD EAST, CAMBRIDGE, ON. N1R 5S6

CLIENT:

NORMAN HANN

DRAWING TITLE:

BUILDING ELEVATIONS

| | |
|---|---|
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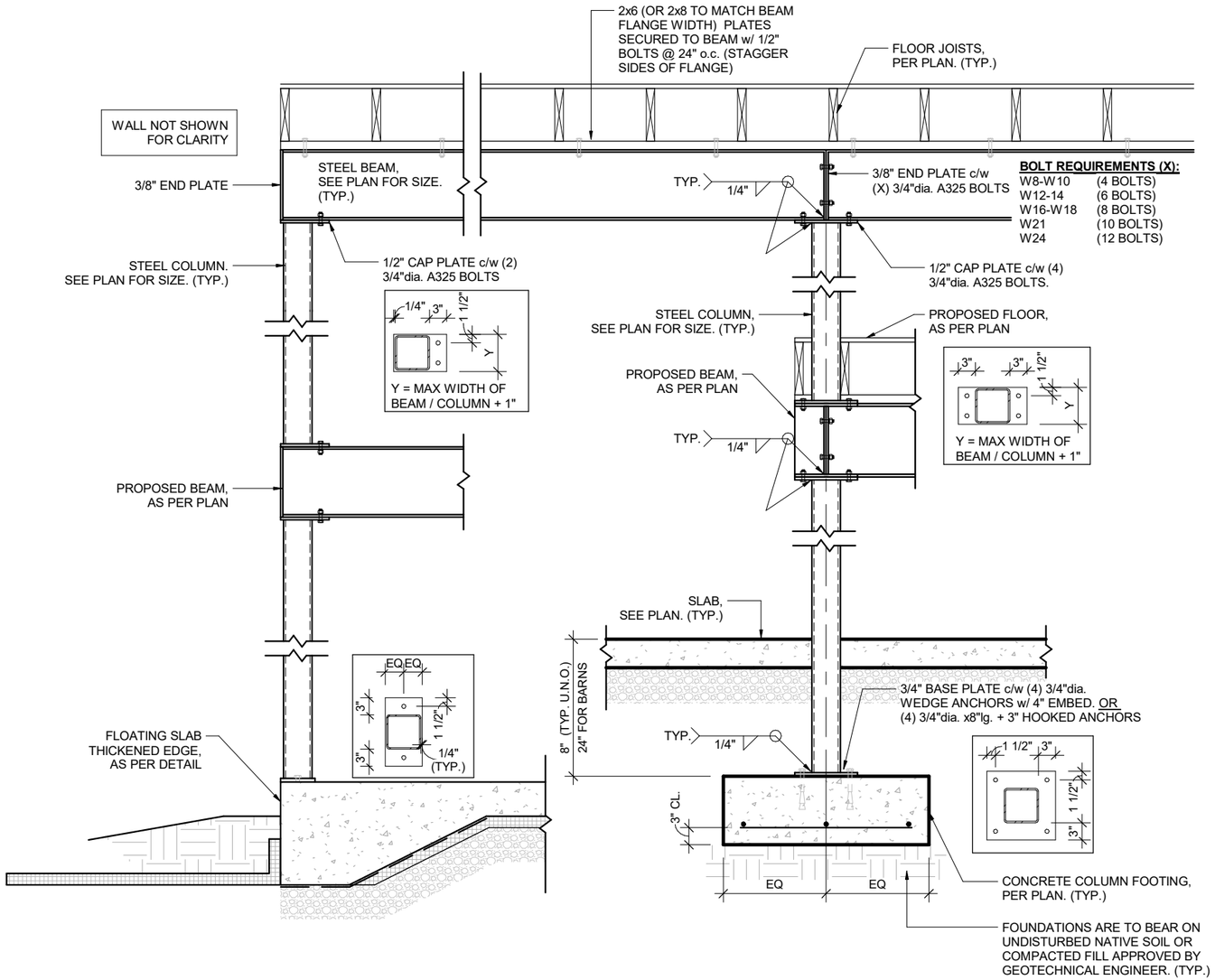
| DESIGN BY: AGRES | SHEET NO: |
| SCALE: AS NOTED | |
| PROJECT NO: 24-05-228 | S3.1 |




1 / S4.0 **SECTION**

BEAM CONNECTION

1/2" = 1'-0"



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PROJECT:

30'-0" x 40'-0" SHED

1143 MAPLE MANOR ROAD EAST, CAMBRIDGE, ON. N1R 5S6

CLIENT:

NORMAN HANN

DRAWING TITLE:

DETAILS

| | |
|---|---|
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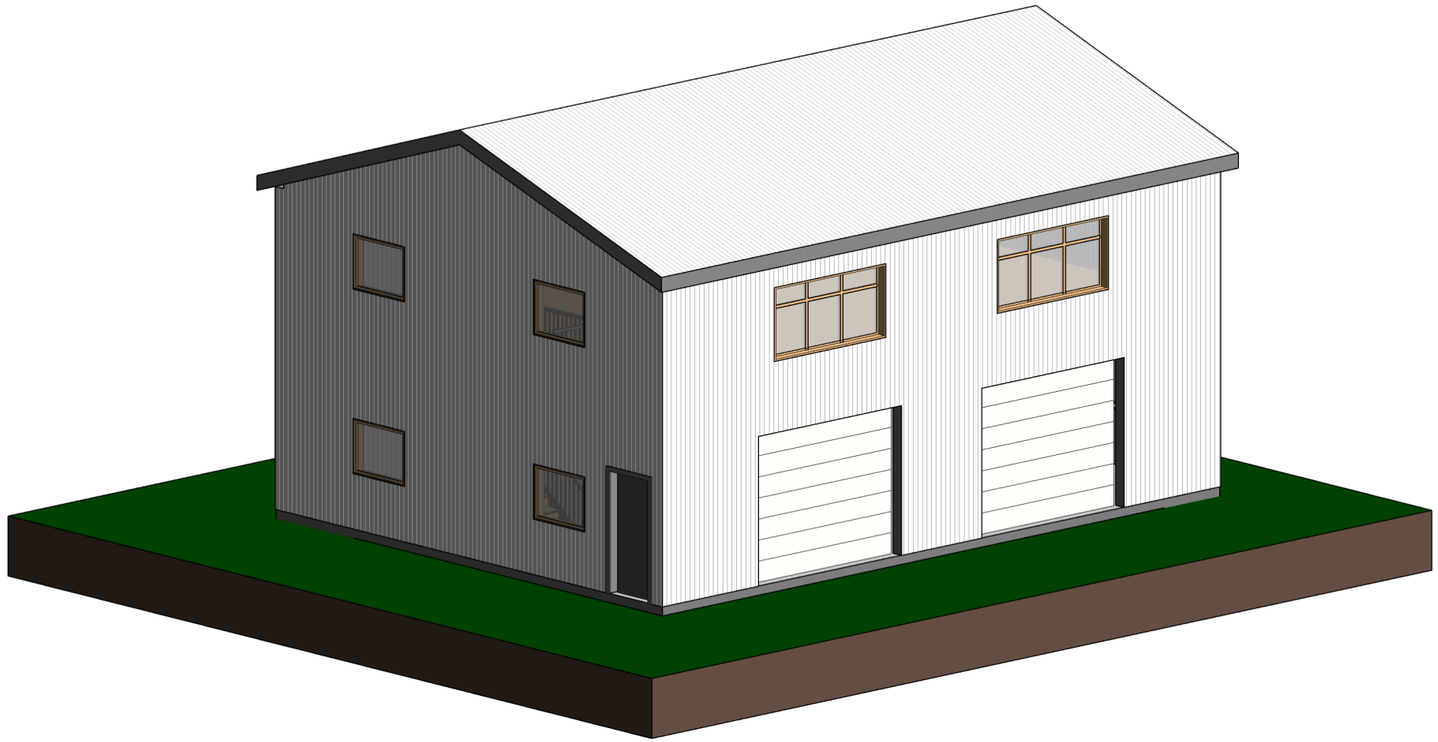
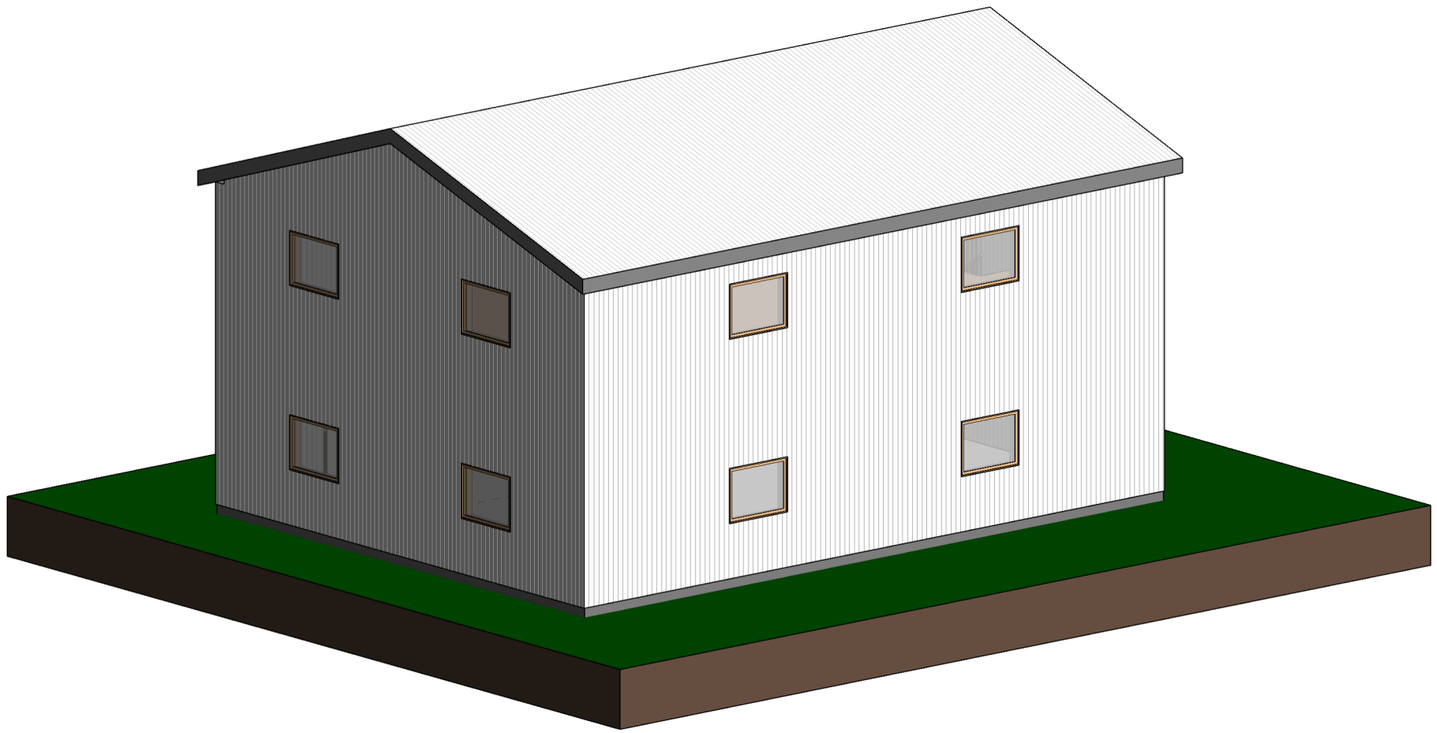
| PROJECT NO: 24-05-228 | S4.0 |







| REV | BY | DATE | DESCRIPTION |
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PROJECT:

30'-0" x 40'-0" SHED

1143 MAPLE MANOR ROAD EAST, CAMBRIDGE, ON. N1R 5S6

CLIENT:

NORMAN HANN

DRAWING TITLE:

ISOMETRICS

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| PROJECT NO: 24-05-228 | |