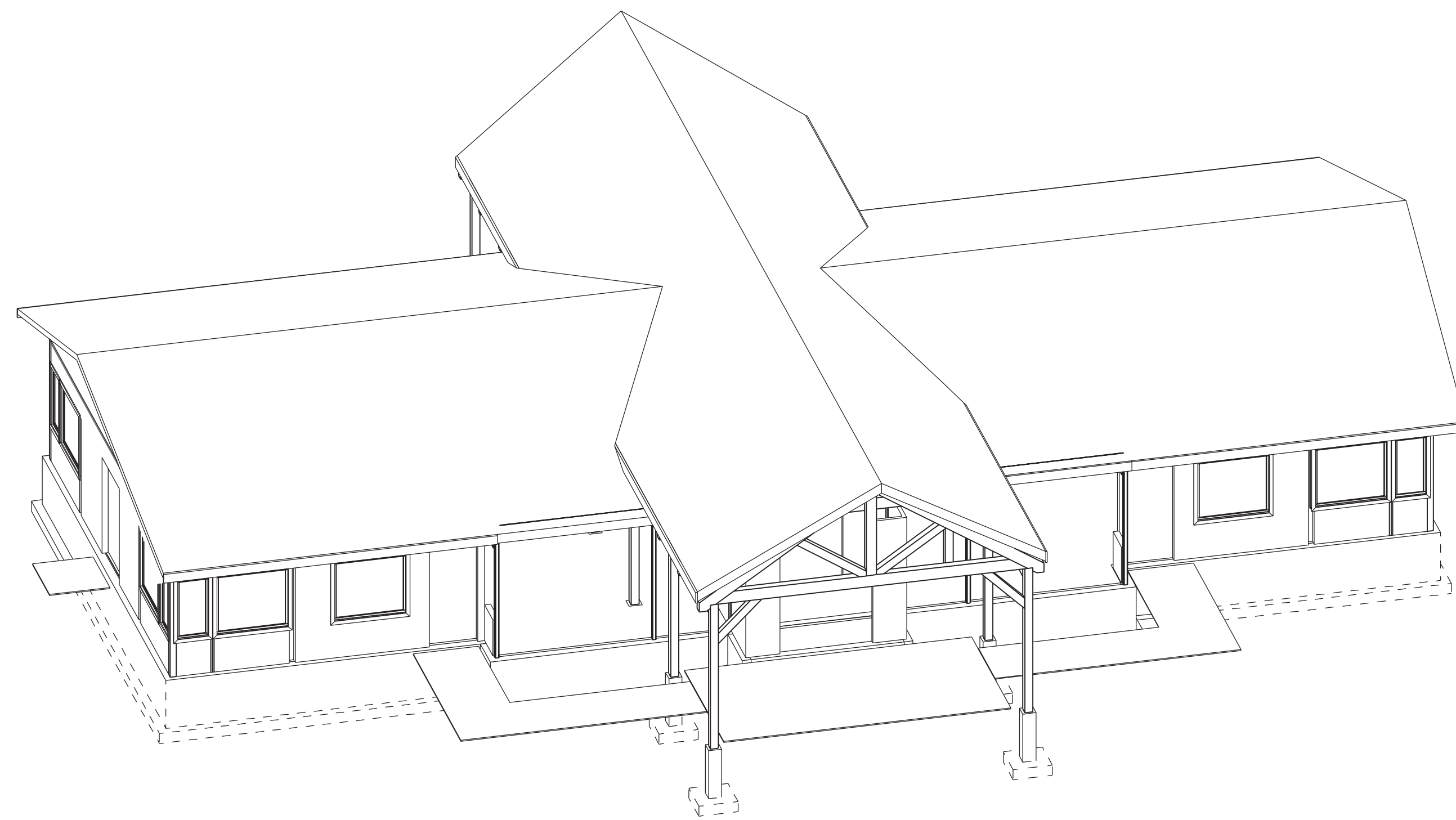
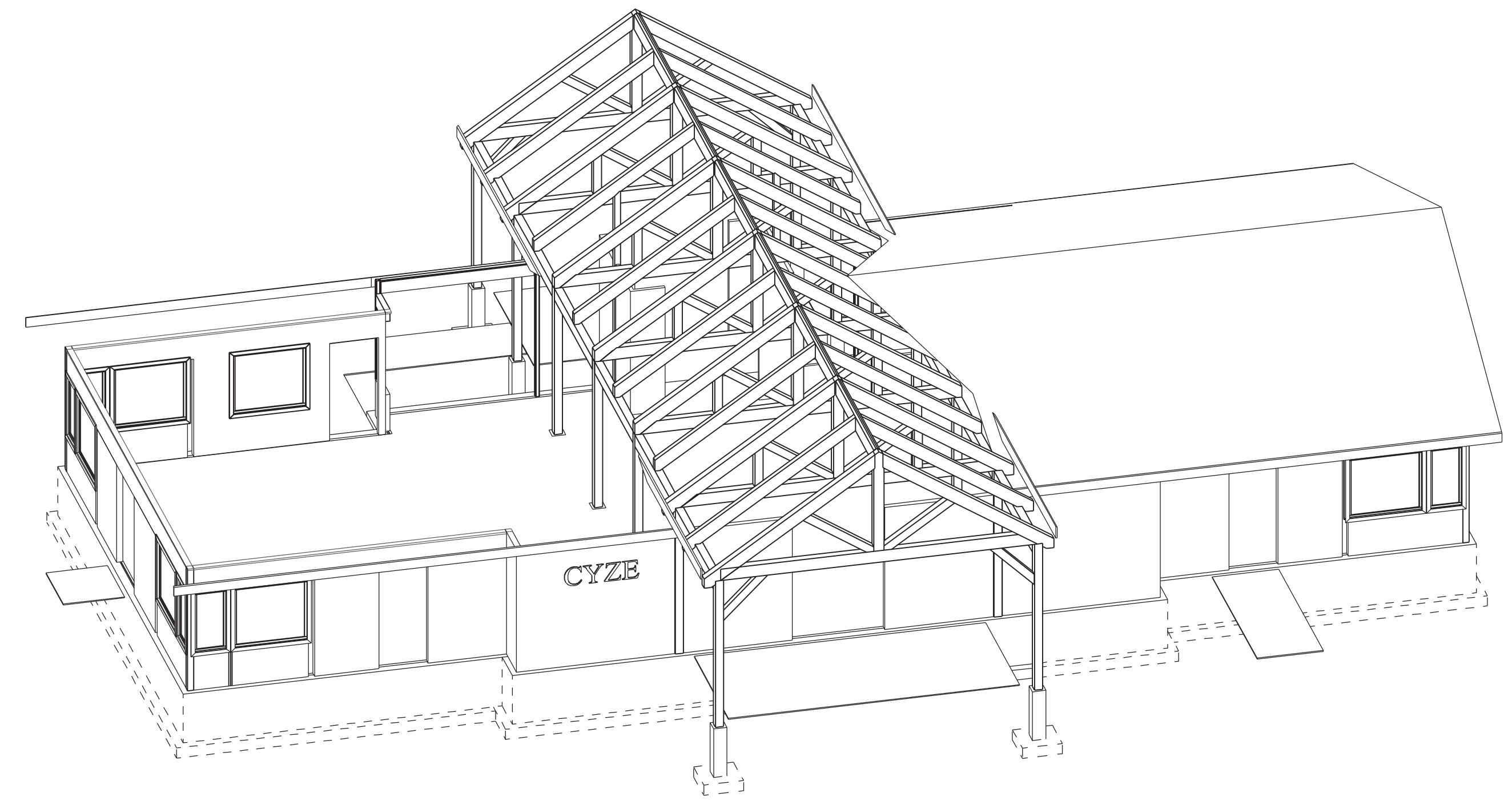


1  
S00A GROUND SIDE PERSPECTIVE



2  
S00A AIR SIDE PERSPECTIVE

FOR TENDER ONLY

DRAWING LIST

S00A	COVER PAGE & DRAWING LIST
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2	FOR TENDER	2022-06-16
1	FOR APPROVAL	2022-05-19
0	FOR APPROVAL	2022-05-13
REV	ITEM	YYYY-MM-DD

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**WHITTINGTON ENGINEERING LTD.**

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PROJECT:  
**G.B. TERMINAL CYZE**  
257 AIRPORT ROAD  
GORE BAY, ON

TITLE:  
**COVER PAGE & DRAWING LIST**

DRAWN BY: ANW	CHECKED BY: ILW
DATE: MAY 2022	DRWG. No: S00A
JOB No: WEL2224	



STRUCTURAL NOTES & SPECIFICATIONS

GENERAL NOTES

- 1. CONTRACTORS, SUPPLIERS, SUB-TRADES, ETC. ARE TO ENSURE THEY ARE WORKING ON CURRENT PLANS AND SHOULD VERIFY THAT THEY ARE IN POSSESSION OF LATEST ISSUE. DISCARD OBSOLETE DRAWINGS.
2. PLANS MUST INDICATE 'ISSUED FOR CONSTRUCTION'
3. ENGINEERING SERVICES PRESENTED ON THESE DRAWINGS IS FOR PERMANENT STRUCTURE/FOUNDATION ONLY. EXCAVATION AND SOIL MECHANICS ARE NOT INCLUDED.
4. ELECTRICAL, MECHANICAL, CIVIL DESIGN AND SOILS ENGINEERING ARE NOT INCLUDED AND ARE THE RESPONSIBILITY OF OTHERS.
5. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS PRIOR TO STARTING CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCY BETWEEN STRUCTURAL DRAWINGS AND ARCHITECTURAL DRAWINGS. ANY DISCREPANCIES NOT REPORTED BECOME THE RESPONSIBILITY OF THE CONTRACTOR.
6. ALL DIMENSIONS TO TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, SECTIONS AND DETAILS.
7. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE CORRECTION OF DEFICIENCIES, AS DETERMINED BY THE ENGINEER.
8. IF SITE CONDITIONS DIFFER FROM THOSE ANTICIPATED OR SHOWN ON THE DRAWINGS THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER FOR THE CORRECTIVE OR REMEDIAL WORK. FAILURE TO NOTIFY ENGINEER WILL MAKE THE CONTRACTOR RESPONSIBLE FOR ALL CONDITIONS AND COSTS ASSOCIATED.
9. ALL WORK OR CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE BUILDING CODES, BYLAWS AND REGULATIONS, AND W.C.B. SAFETY REQUIREMENTS.
10. REVIEW OF THE WORK, OR ANY PORTION THEREOF, BY THE ENGINEER SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY AND OBLIGATION TO COMPLY WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS. NO OMISSION BY THE ENGINEER TO EXERCISE HIS RIGHTS HEREUNDER SHALL IMPOSE LIABILITY OF THE ENGINEER OR OWNER.
11. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY BRACING REQUIRED FOR CONSTRUCTION LOADING AND STABILITY UNTIL THE PROJECT IS COMPLETED.
12. THE DESIGN AND INSPECTION OF FALSEWORK, SHORING AND RE-SHORING ARE THE RESPONSIBILITY OF THE CONTRACTOR AS REQUIRED BY WORKERS' COMPENSATION BOARD.
13. THE CONTRACTOR IS RESPONSIBLE FOR SAFETY ON THE JOB SITE DURING CONSTRUCTION.
14. OPENINGS, POCKETS, ETC. SHALL NOT BE PLACED IN SLABS, DECKS BEAMS, JOISTS, COLUMNS, WALLS, ETC. UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS.
15. NOTIFY THE STRUCTURAL ENGINEER WHEN MECHANICAL/ELECTRICAL DRAWINGS SHOW OPENINGS, POCKETS, ETC. BUT ARE NOT LIKEWISE SHOWN ON THE STRUCTURAL DRAWINGS. HOLES 75MM (3" ) ROUND OR SQUARE MAXIMUM, SPACED 600 (2' - 0' ) O/C MINIMUM IN A CONCRETE FLOOR SLAB, ROOF, SLAB OR WALL, SHALL BE EXEMPT FROM THIS REQUIREMENT.
16. WHERE NOTES AND DETAILS ON DRAWINGS EXCEED MINIMUMS, OF GENERAL NOTES AND TYPICAL DETAILS, THEY SHALL TAKE PRECEDENCE.
17. THE WORK SHALL BE IN ACCORDANCE WITH THE ONTARIO BUILDING CODE ACT, 2012 AND ALL SUBSEQUENT REGULATIONS MADE UNDER THE ACT.
18. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH MUNICIPAL BY-LAWS.

FOUNDATION NOTES

- 1. CONFIRMATION OF BEARING CAPACITY IS THE RESPONSIBILITY OF OTHERS AND APPROVAL TO POUR, DURING AN INSPECTION, DOES NOT IMPLY ASSURANCE OF ASSUMED BEARING CAPACITY OR SUB-GRADE CONDITIONS USED IN THE STRUCTURAL DESIGN OF FOOTINGS AND FOUNDATIONS FOR THIS PROJECT.
2. FOUNDATIONS ARE DESIGNED FOR AN ASSUMED ALLOWABLE BEARING PRESSURE OF 1500 PSF.
3. ALL BOTTOM OF FOOTINGS TO BE MINIMUM 48" BELOW FINAL FINISHED GRADE FOR FROST COVER, OR HAVE PROTECTION AS REQUIRED BY O.B.C.
4. FOOTING ELEVATIONS AND SIZES ARE SUBJECT TO REVISION WHERE SITE CONDITIONS DIFFER FROM THOSE ANTICIPATED. ALL FOOTINGS TO BEAR ON FIRM, UNDISTURBED MATERIAL. GRASS, ROOTS, ROOTNETWORKS, TOPSOIL, ETC., ARE TO BE REMOVED FROM FOUNDATION AREA.
5. FOOTINGS OR SLAB ON GRADE BEARING ON COMPACTED; GRANULAR STRUCTURAL FILL SHALL BE COMPACTED TO A STANDARD PROCTOR VERIFICATION OF COMPACTION TESTING SUBMITTED TO THE ENGINEER.
6. BASEMENT AND RETAINING WALLS HAVE BEEN DESIGNED TO RESIST LATERAL PRESSURES FOR LEVEL, FREE DRAINING, MODERATELY COMPACTED, GRANULAR BACKFILL OR AS SPECIFIED BY SOILS ENGINEER.
7. DO NOT PROCEED WITH BACKFILL OF BASEMENT WALLS AND RETAINING WALLS UNTIL A MINIMUM 7 DAYS AFTER THE COMPLETION OF INTERIOR FLOOR SYSTEMS AND/OR SUSPENDED SLAB, INCLUDING SLAB ON GRADE, UNLESS WALLS ARE ADEQUATELY BRACED. BRACING THE RESPONSIBILITY OF OTHERS.
8. SEE PLUMBING DRAWINGS FOR FOUNDATION DRAINAGE.
9. INSPECTION OF FOUNDATION DRAINAGE IS THE RESPONSIBILITY OF OTHERS.
10. SEE CIVIL DRAWINGS FOR GROUND ELEVATIONS AND DRAINAGE SLOPES.
11. EXCAVATION AND SHORING DRAWINGS BY OTHERS.

CONCRETE

- 1. CONCRETE MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF CSA-A23.1 - M90, CSA-A23.2-M90, CSA-A23.3-M90 AND CSA-A23.4-M90.
2. BEFORE ANY CONCRETE IS PLACED, THE CONTRACTOR SHALL GIVE THE ENGINEER 48 HOURS NOTICE FOR THE INSPECTION AND APPROVAL OF PLACED REINFORCEMENT, FORM, AND INSTALLATION PROCEDURE.
3. CONCRETE MIXES SHALL BE AS FOLLOWS:

Table with 7 columns: LOCATION, COMPRESSIVE STRENGTH, SLUMP (mm), EXPOSURE CLASS, AGG. SIZE, WATER/CEMENT RATIO, AIR (%). Rows include Slab-on-Grade (Not Exposed to Freeze & Thaw), Slab-on-Grade (Exposed to Freeze & Thaw), ICF Wall Mix (Exposed to Freeze & Thaw), and Foundation & Footings.

- 4. ALL CONCRETE NORMAL WEIGHT 2400KG/M3, TYPE 10 CEMENT, TYPE F FLYASH, UNLESS OTHERWISE NOTED.
5. WATER MAY BE ADDED TO THE CONCRETE ON SITE TO ADJUST THE SLUMP TO THE SPECIFIED RANGE, PROVIDED IT IS ADDED WITHIN ONE (1) HOUR OF BATCHING.
6. NO MORE THAN 120 MINUTES SHALL ELAPSE BETWEEN CONCRETE BATCHING AND CONCRETE PLACEMENT UNLESS APPROVED BY THE TESTING AGENCY AND THE STRUCTURAL ENGINEER. TESTING AGENCY HAS THE AUTHORITY TO REJECT CONCRETE IF NOT IN ACCORDANCE WITH SPECIFICATIONS.
7. EXPOSURE CLASS REFERENCE CAN/CSA A23.1 M90.
8. CONCRETE AIR-ENTRAINING ADMIXTURE (CAN3-A266.1-M78). USE NON-DETERGENT TYPE COMPATIBLE WITH OTHER ADMIXTURES USED.
9. CONCRETE TEMPERATURES AS DELIVERED SHALL COMPLY WITH TABLE 14 OF CSA A23.1 M90.
10. PROVIDE STORAGE FACILITY ON SITE FOR THE INITIAL 24-HOUR CURING OF TEST CYLINDERS.
11. ALL CONCRETE TO BE READY MIXED CONFORMING TO CSA-A23.1.
12. PROVIDE 3/4" CHAMFER ON ALL EXPOSED COLUMN CORNERS.
13. SLAB AND BEAM FORMS TO BE STRIPPED WHEN SPECIFIED BY THE ENGINEER.
14. ALL VERTICAL AND HORIZONTAL CONSTRUCTION JOINTS BELOW GRADE SHALL HAVE CONTINUOUS BENTONITE (VOLCLAY RX-102 OR APPROVED EQUAL) WATER STOPS, AS NOTED ON DETAILS.

- 15. CONCRETE SHALL BE CURED BY APPROVED MEANS FOR AT LEAST 5 DAYS SUBSEQUENT TO POUR.
16. CONCRETE SHALL BE PROTECTED FROM ALL HARMFUL EFFECTS DURING CONSTRUCTION.
17. IF SITE CONDITIONS DIFFER FROM THOSE SHOWN ON DRAWINGS, THE CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO PLACING ANY REINFORCEMENT FOR INSTRUCTION ON REMEDIAL DETAILS.
18. CONCRETE TESTING SHALL BE IN ACCORDANCE WITH CSA -A23.2 AT THE EXPENSE OF THE CONTRACTOR.
19. CONCRETE TESTING SHALL BE DONE BY INDEPENDENT TESTING AGENCY.
20. SUBMIT COPIES OF ALL TEST RESULTS TO ENGINEER, MAXIMUM 48 HOURS AFTER TEST BY FAX.
21. MINIMUM OF 4 TEST CYLINDERS SHALL BE CAST FOR EACH 50 CUBIC METERS.
22. MINIMUM 4 TEST CYLINDERS FOR EACH POUR. TEST 2 @ 7 DAYS AND 2 @ 28 DAYS.
23. ONE CYLINDER SHALL BE FIELD CURED AND TESTED @ 7 DAYS. GROUT UNDER BEARING PLATES SHALL BE EMBECO 636 NON-SHRINK GROUT APPLIED TO "MASTER BUILDERS" SPECIFICATIONS.

HOT WEATHER REQUIREMENTS

- 1. PLACE AND PROTECT CONCRETE IN ACCORDANCE WITH CANS A23.1 - M90.
2. WHEN AIR TEMPERATURE IS GREATER THAN 25 DEGREES C., PROTECT CONCRETE SO THAT IT'S TEMPERATURE DOES NOT EXCEED 30 DEGREES C.
3. PROTECT FROM DRYING, WHICH CAUSES SHRINKAGE CRACKING, BY EFFECTIVE MEANS AS REQUIRED BY CONDITIONS. EFFECTIVE MEASURE INCLUDES: WIND SHIELD, DAMPEN, COVER, PLACE AND FINISH AT NIGHT.

REINFORCING

- 1. ALL REINFORCING SHALL CONFORM TO CSA. G30.12 - M1977, UNLESS NOTED OTHERWISE. 10 M AND LARGER SHALL BE GRADE 400 (FY \*400 MPA) BARS.
2. ALL WELDED WIRE MESH TO CONFORM TO CSA. G30.5-1983 AND TO BE GRADE 400.
3. ALL BARS TO BE DEFORMED IN ACCORDANCE WITH CSA G30.14-M1983.
4. REINFORCING STEEL TO BE CLEAN AND UNDAMAGED.
5. REINFORCING STEEL TO BE DETAILED AND ALL PLACING, SPLICING, AND SETTING OR SUPPORTS MUST BE IN ACCORDANCE WITH REINFORCING STEEL MANUAL OF STANDARD PRACTICE.
6. MINIMUM LAP LENGTHS AS SHOWN.
BAR SIZE LAP LENGTH (IN) UNLESS NOTED
10M 18"
15M 25 1/2"
20M 32"
7. MINIMUM LAP OF MESH SHALL BE ONE FULL MESH AND NOT LESS THAN 8".
8. REINFORCEMENT SHALL BE PLACED TO THE TOLERANCES SPECIFIED IN CAN A23.1-M90.
9. ALL VERTICAL BARS TO BE DOWELED INTO FOOTING. DOWELS IN FOOTINGS TO MATCH VERTICAL BARS ABOVE IN SIZE AND SPACING.
10. HORIZONTAL STEEL TO BE CONTINUOUS AROUND CORNERS AND LAPPED.
11. PROVIDE DOWELS INTO COLUMNS TO CORRESPOND WITH SIZE AND NUMBER AS SPECIFIED IN DRAWING.
12. REINFORCING TO HAVE CLEAR CONCRETE COVER AS FOLLOWS OR AS NOTED ON DRAWINGS:
A) FOOTING 2" FOR TOP AND SIDES, 3" FOR BOTTOM.
B) COLUMNS & PILASTER 1 1/2" FOR TIES
C) BEAMS 1 1/2" FOR STIRRUPS
D) SLABS 3/4" FOR MAIN STEEL (TOP) 1" FOR MAIN STEEL (BOT)
E) WALLS 3/4" STEEL TO INTERIOR OF BUILDING, 2" FOR STEEL AGAINST EARTH.
13. REINFORCING SHALL BE SUPPORTED BY APPROVED SUPPORTS, SPACERS OR HANGERS PROVIDED BY THE CONTRACTOR. MAXIMUM FREE END OF REINFORCING TO BE 4"-0".
14. ALL ENDS OF WALLS SHALL HAVE TWO EXTRA 15M VERTICAL BARS OR AS NOTED ON DRAWINGS.
15. REINFORCEMENT THAT IS SUSPECT MAY BE REQUIRED TO BE TESTED AS DIRECTED BY THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
16. OPENINGS IN SLABS AND WALLS TO HAVE TWO 15M EXTRA BARS EACH SIDE, EXTENDING 24" PAST CORNERS, PLUS ONE 15M x 46" DIAGONAL EACH CORNER, UNLESS NOTED OTHERWISE.
17. NO OPENINGS OR CANS FOR PIPES, IN ANY CASE, TO BE CLOSER THAN 400MM TO FACE OR COLUMNS WITHOUT PRIOR APPROVAL BY THE ENGINEER.
18. REINFORCING AT OPENINGS SHALL NOT BE CUT OR BENT, BUT SHALL BE FANNED WHERE POSSIBLE OR CROWDED EITHER SIDE TO CLEAR OPENINGS.
19. WHERE CONCRETE SURFACES ARE TO BE EXPOSED, ONLY NON-CORROSIVE TYPES REINFORCING CHAIRS SHALL BE USED TO SUPPORT REINFORCING.

ANCHOR BOLTS

- 1. ANCHOR BOLTS SHALL BE LAID OUT IN ACCORDANCE WITH DRAWINGS PREPARED AND SEALED BY BUILDING SUPPLIER/MANUFACTURER.
2. ANCHOR BOLT LENGTHS AND SIZES AS NOTED ON MANUFACTURERS ANCHOR BOLT LAYOUT.
3. SET ALL ANCHOR BOLTS WITH A TEMPLATE. DO NOT HAND SET. LENGTH OF THREAD TO BE AT LEAST EQUAL TO PROJECTION OF BOLT. MACHINE BOLTS TO BE ASTM 1301 BOLTS.
4. EXPOSED THREAD OF ALL ANCHOR BOLTS TO BE COVERED WITH RAGS OR HEAVY COAT OF GREASE BEFORE CONCRETE IS POURED.
5. TOP OF PIERS AND CURBS MUST BE SQUARE, LEVEL, SMOOTH, AND BE GIVEN STEEL TROWEL FINISH WITH 3/4" CHAMFERS (NO FILLET) ON VERTICAL CORNERS OF PIERS.

TIMBER

- 1. TIMBER SHALL CONFORM TO CSA CAN3-086-M84. SPF #2 OR BETTER, K.D. MAX. MOISTURE CONTENT OF 19% OR LESS UNLESS NOTED OTHERWISE. ALL TIMBER GRADING TO BE IN ACCORDANCE WITH NLGA.
2. ROOF TRUSSES, LAMINATED VENEER LUMBER AND 1 JOIST TO BE DESIGNED BY SUPPLIER. CONTRACTOR SHALL SUBMIT ENGINEERING DRAWINGS TO THE STRUCTURAL ENGINEER FOR APPROVAL.
3. FRAME ALL WORK SUBSTANTIALLY, BLOCK AND BRACE TRUSSES, RAFTERS AND FRAMING AS REQUIRED BY CAN3-086-M84 AND THE BUILDING CODE ACT.
4. CONTRACTOR TO FOLLOW TRUSS ERECTION RECOMMENDATIONS AS PRODUCED BY THE TRUSS PLATE INSTITUTE OF CANADA.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ADEQUATE TEMPORARY BRACING OF ALL WALLS AND TRUSSES UNTIL ALL ANCHORAGE, ROOF SHEETING, PERMANENT BRACING AND DIAPHRAGMS ARE COMPLETE.
6. ALL WALL & ROOF PLYWOOD SHEATHING SHALL BE:
A) SPRUCE
7. MINIMUM NAILING OF PLYWOOD SHEATHING ON WALLS & ROOFS. (UNLESS NOTED OTHERWISE ON PLANS)
2 1/2" NAILS @ 5 7/8" O/C. PERIMETER AND SHEET EDGES.
2 1/2" NAILS @ 11 3/4" O/C. INTERMEDIATE (STAPLES ARE NOT PERMITTED)
8. PROVIDE T & G SHEATHING FOR FLOOR SHEATHING OR AS SPECIFIED ON DRAWING, WHICH WOULD BE GLUED (WHERE POSSIBLE) AND NAILED WITH 2" NAILS EVERY 6" ALONG THE EDGES AND 12" ALONG THE INTERMEDIATE SUPPORTS, U.N.O.
9. ANY LUMBER NOT GRADE MARKED WILL BE REJECTED.
10. LAMINATE STUDS SOLID UNDER ALL HEADERS AND BEAMS AS PER STANDARD DETAILS.
11. BUILT UP BEAMS SHALL BE NAILED TOGETHER WITH 2 ROWS OF NAILS @ 1'-6" O/C ALTERNATING BETWEEN BOTH FACES OR BOLTED TOGETHER WITH 1 ROW OF 1/2" Ø BOLTS C/W WASHER AT EACH END @ 4'-0" O/C.
11.2. BUILT UP POSTS SHOWN, TO BE MIN. 3 PLY 2x6 OR 2x4 RESPECTIVE TO WALL SIZE, U.N.O.
11.3. PROVIDE SINGLE JACK STUD FOR EACH SIDE OF WINDOW AND DOOR OPENINGS, U.N.O.

NAILING FOR BUILT-UP POSTS TO BE AS FOLLOWS:

2 PLY:
2x4 1 ROW 3" NAILS @ 9" O/C
2x6 2 ROWS 3" NAILS @ 9" O/C
2x8 2 ROWS 3" NAILS @ 9" O/C
3 PLY:
2x4 1 ROW 4" NAILS @ 9" O/C
2x6 2 ROWS 4" NAILS @ 9" O/C
2x8 2 ROWS 4" NAILS @ 9" O/C
4 PLY:
2x4 1 ROW 6" NAILS @ 9" O/C
2x6 2 ROWS 6" NAILS @ 9" O/C
2x8 2 ROWS 6" NAILS @ 9" O/C
NOTE ALTERNATE NAILING OF ROWS BETWEEN BOTH FACES OF BUILT-UP POST.

- 11. USE APPROVED JOIST HANGERS AT ALL FLUSH BEAMS. MINIMUM 1200 LB. CAPACITY SIMPSON STRONG-TIE OR PRE-APPROVED EQUAL. NAILING AS PER MANUFACTURER SPECIFICATIONS.
12. PRESSURE BLOCKING NOT PERMITTED FOR JOIST SPANS OVER 10'0" OR JOIST SPACING LESS THAN 16" O/C, MINIMUM 3" NAILS PER JOIST AND 10 - 3" NAILS PER PRESSURE BLOCK.
13. ALL SAWN TIMBER EXPOSED TO THE EXTERIOR OR IN CONTACT WITH CONCRETE TO BE SEPARATED WITH A WATERPROOF BARRIER OR GIVEN A PRESERVATIVE TREATMENT APPROVED BY THE DESIGNER. BUT AT LEAST 2 COATS OF GREEN CUPRINOL OR EQUIVALENT.
14. ALL BUILT-UP BEAMS OR HEADERS TO BE NAILED TOGETHER WITH 3 ROWS 3" NAILS @ 16" O/C.
15. INDIVIDUAL MEMBERS OF BUILT-UP BEAMS OR HEADERS TO BE UNSPLICED BETWEEN SUPPORTS.
16. ALL BUILT-UP MEMBERS OR INDIVIDUAL JOISTS FRAMING FLUSH TO BEAMS OR HEADERS ARE TO BE CONNECTED WITH METAL HANGERS PRE-APPROVED BY ENGINEER (SIMPSON STRONG-TIE OR PRE-APPROVED EQUAL).
17. ALL BEAM SPLICES ARE TO OCCUR AT SUPPORTS, UNLESS NOTED OTHERWISE.
18. ALL LOADBEARING STUD WALLS TO BE ANCHORED AS PER O.B.C.
19. FASTEN NON-LOADBEARING PARTITION WALLS WITH POWER ACTIVATED FASTENERS MIN. 3 1/4" LONG @ 24" O/C MAXIMUM.
20. PROVIDE SOLID BLOCKING BETWEEN JOISTS AT ALL NONLOADBEARING WALLS TOP OF BEAMS OR HEADERS, AND AT ALL SUPPORTS FOR CANTILEVERED JOISTS. PROVIDE CONTINUOUS CROSS BRACING BETWEEN FLOOR JOISTS AT 7'-0" O/C ALONG THE SPAN OF THE JOIST.
21. PROVIDE DOUBLE JOIST UNDER ALL PARTITION WALLS PARALLEL TO JOIST SPAN OR BLOCKING AS PER O.B.C.
22. PROVIDE SOLID BLOCKING @ 24" O/C OR DOUBLE TRIMMER JOISTS AT LOCATIONS WHERE BEARING WALLS RUN PARALLEL WITH THE JOIST SPAN.
23. BRIDGING TO BE MIN. 1x3 OR 2x2 @ NO MORE THAN 6'-11" O.C.
24. STRAPPING TO BE MIN OF 1x3 @ NO MORE THAN 6'-11" O.C.
25. ALL HEADERS TO BE 2 PLY - 2 X 8 SPF # 2 OR BTR U.N.O.
26. PRE-ENGINEERED HEAVY TIMBER WOOD SYSTEM BY IWS WOOD PRODUCTS INC.
Ph: 705-377-5184 OR IAN@IWSWOODPRODUCTS.COM
27. GLULAM TO BE D. FIR 24-F-EX GRADE, INDUSTRIAL, U.N.O.

STEEL

- 1. DESIGNED IN ACCORDANCE WITH CSA -S16.1-M89.
2. THE STEEL FABRICATOR SHALL DESIGN ALL STEEL-TO-STEEL CONNECTIONS SUBMIT 4 SETS SEALED SHOP DRAWING FOR REVIEW PRIOR TO FABRICATION.
3. ALL WELDING SHALL BE DONE BY FABRICATORS FULLY APPROVED BY THE CANADIAN WELDING BUREAU.
4. ALL WELDING TO CONFORM TO CSA, W59 AND TO BE PERFORMED BY CERTIFIED WELDERS TO CSA W47.1.
5. ALL STRUCTURAL SECTIONS EXCEPT HOLLOW SECTIONS SHALL CONFORM TO C.S.A.G40.21-M187-350W (50 KSI).
6. ALL HOLLOW STRUCTURAL SECTIONS SHALL CONFORM TO CSA G40.21-M187-350W (50-KSI) CLASS C.
7. ALL BOLTS TO BE ASTM A325.
8. ALL ANCHOR BOLTS TO BE ASTM A307.
9. ALL STEEL SHALL RECEIVE ONE SHOP COAT OF PRIMER.
10. ALL STRUCTURAL STEEL TO HAVE MINIMUM YIELD STRENGTH OF 300 MPA.
11. ALL ERECTION IS TO BE PLUMB, LEVEL AND TRUE.

DESIGN LOADS

- 1. SPECIFIED LIVE LOAD ... GORE BAY, ONTARIO
A) GROUND SNOW LOAD = 54.3 PSF
B) RAIN LOAD = 8.35 PSF
REFERENCE VELOCITY PRESSURE DUE TO WIND 8.1 PSF (1/50)
SEISMIC ZONE Sa(0.2) = 0.12, Sa(0.5) = 0.075, Sa(1.0) = 0.038 AND Sa(2.0) = 0.059
2. ROOF LOAD
LIVE = 51.8 + BUILD UP PSF (ROOF TO BE DESIGNED FOR UNBALANCED LOAD)
DEAD = 15.0 PSF
TOTAL = 66.8 PSF
3. MAIN FLOOR LOAD
TOTAL DEAD LOAD = 50.0 PSF
LIVE LOAD = 100.0 PSF
TOTAL FLOOR LOAD = 150.0 PSF

INSPECTIONS

- 1. PRIOR TO THE POURING OF THE FOOTING. FOUNDATION DRAINAGE, RESPONSIBILITY OF OTHERS.
2. THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR INSPECTIONS IN ACCORDANCE WITH ONTARIO BUILDING CODE AND MUNICIPAL BYLAWS, A MINIMUM 48 HOURS PRIOR TO:
A) ALL CONCRETE POURS
3. INSPECTION OF ALL FRAMING. (ADDITIONAL FRAMING INSPECTION REQUIRED AFTER MECHANICAL AND ELECTRICAL ROUGH IN COMPLETE).
4. THE CONTRACTOR SHALL ENSURE THAT PRIOR TO NOTIFYING THE ENGINEER ALL WORK MUST BE COMPLETE, INCLUDING BACKFRAMING, AND IN PLACE.
5. RE-INSPECTIONS REQUIRED BY THE ENGINEER DUE TO INCOMPLETE WORK, OR RE-INSPECTION OF DEFICIENCIES NOT COMPLETE FROM A PREVIOUS INSPECTION, SHALL BE AT THE EXPENSE OF THE CONTRACTOR.



ADDITIONAL NOTES
ERECTION
CORRECTION OF MINOR MISFITS AND A REASONABLE AMOUNT OF CUTTING, REAMING, REDRILLING OR ALIGNMENT WITH DRIFT PINS WILL BE CONSIDERED A LEGITIMATE EXPENSE OF ERECTION. IN THE EVENT OF ERROR, DEFECT IN MATERIALS, AND/OR WORKMANSHIP OF SHOP WORK WHICH PREVENTS PROPER ASSEMBLING AND FILLING UP OF PARTS BY THE MODERATE USE OF DRIFT PINS, OR A MODERATE AMOUNT OF REAMING AND SLIGHT CUTTING, IMMEDIATELY REPORT TO THE SELLER AND OBTAIN SELLER'S APPROVAL OF THE METHOD OF CORRECTION.

INSTALL CUT WASHERS BETWEEN WOOD AND BOLthead/NUT WHERE THERE ARE NO STEEL SIDE PLATES.
ARCHITECT/CONTRACTOR/OWNER
CONSIDERATION MUST BE MADE TO ACCOMMODATE DEFLECTIONS OF THE STRUCTURAL FRAMING SYSTEM. CONSIDERATION MUST BE MADE TO ACCOMMODATE DIMENSIONAL CHANGES IN WOOD MEMBERS DUE TO CYCLIC CHANGES IN HUMIDITY CONDITIONS. SLIP JOINTS SHOULD BE USED AT GLASS FRAMING AND NON-LOAD BEARING PARTITIONS.

N.I.C. - NOT IN CONTRACT
APPROVAL OF THESE SHOP DRAWINGS WILL BE CONSIDERED AS AN ACCEPTANCE OF ALL THE DATA SHOWN THEREON UNLESS NOTED BY APPROVING AGENCY.

Table with 2 columns: ABBREVIATION, MEANING. Includes M.B. (MACHINE BOLT), L.B. (LAG BOLT), G.R. (GLULAM RIVET), SH. PL. (SHEAR PLATE), PL. (PLATE), C.W. (CUT WASHERS), PL. W. (PLATE WASHER), N.S. (NEAR SIDE), F.S. (FAR SIDE), C.B. (COUNTERBORE), GALV. (GALVANIZED), L. L'S (ANGLE), W (WELDMENT).

Table with 3 columns: NUMBER, DESCRIPTION, DATE. Includes 2 FOR TENDER 2022-06-16, 1 FOR APPROVAL 2022-05-19, 0 FOR APPROVAL 2022-05-13, REV ITEM YYYY-MM-DD.

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PROJECT:
G.B. TERMINAL CYZE
257 AIRPORT ROAD
GORE BAY, ON

TITLE: GENERAL NOTES
DRAWN BY: ANW CHECKED BY: ILW
DATE: MAY 2022 DRWG. No: S00B
JOB No: WEL2224

FOR TENDER ONLY

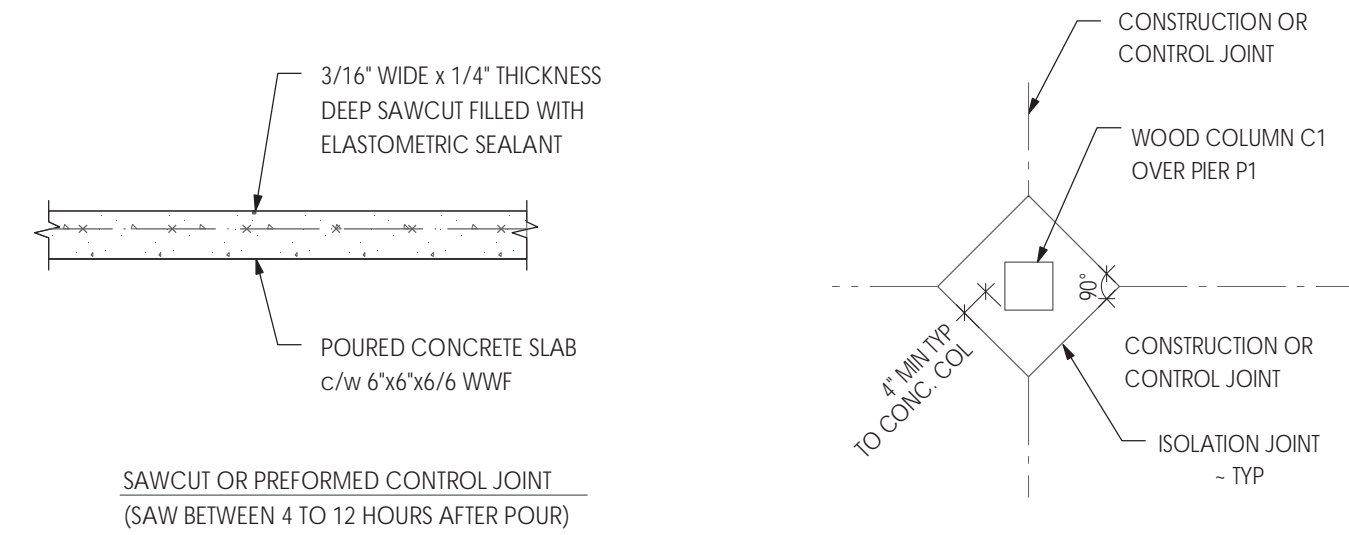


FOOTING SCHEDULE			
SYMBOL	CONSTRUCTION (DETAIL IN SECTION)	DESCRIPTION	NOTES
SE1		10' x 24' c/w 3 - 15M BARS CONT. @ BOTT PINNED TO BEDROCK, AS PER DETAIL	
F1		2'-6" x 2'-6" x 10" c/w 4 - 15M BARS E.W. @ BOTT PINNED TO BEDROCK, AS PER DETAIL	
P1		12' x 12' x LENGTH TO SUIT c/w 4 - 15M BARS VERT. c/w 10M STIRRUP @ 12" o.c. VERT. TIED TO FOOTING, AS PER DETAIL	

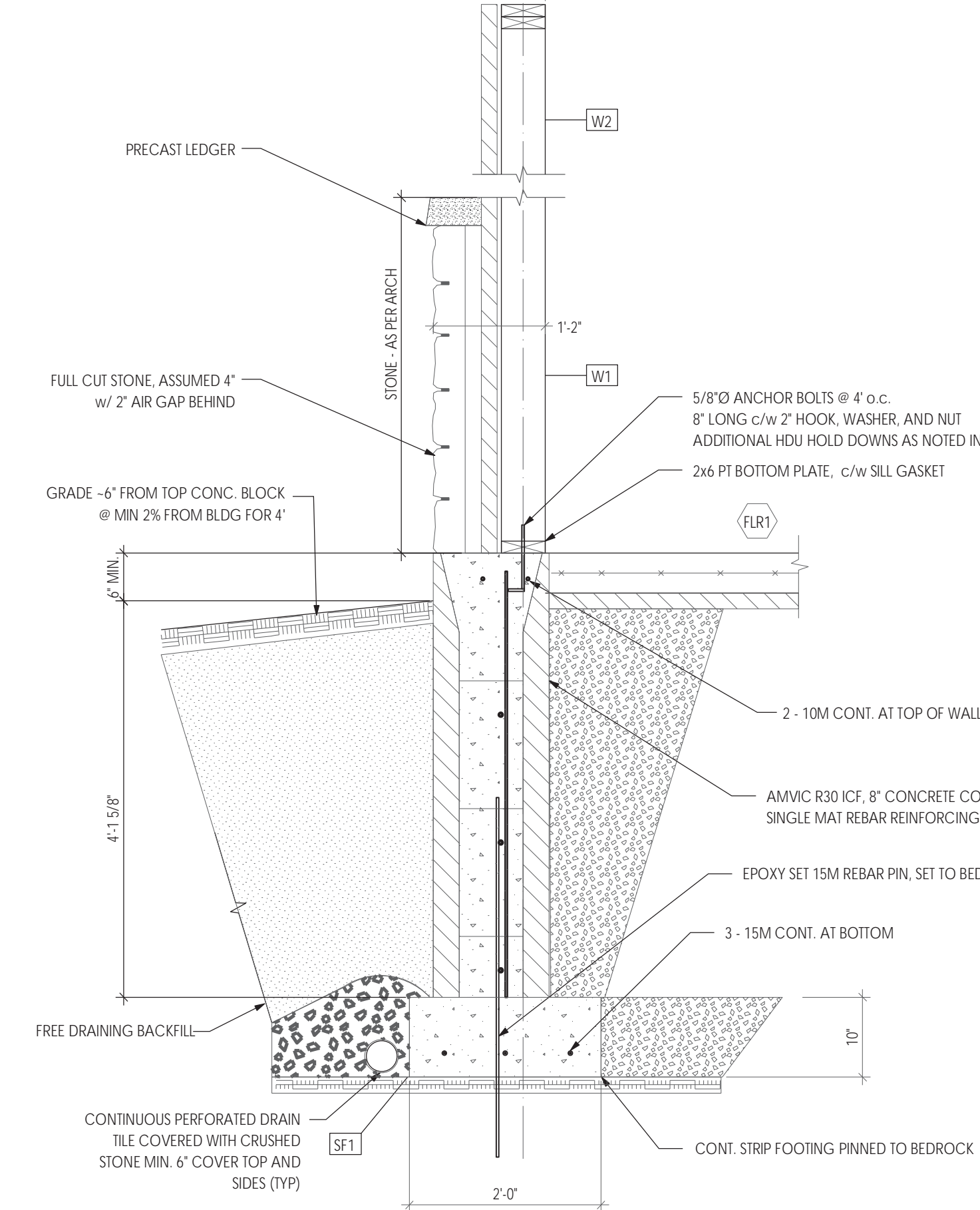
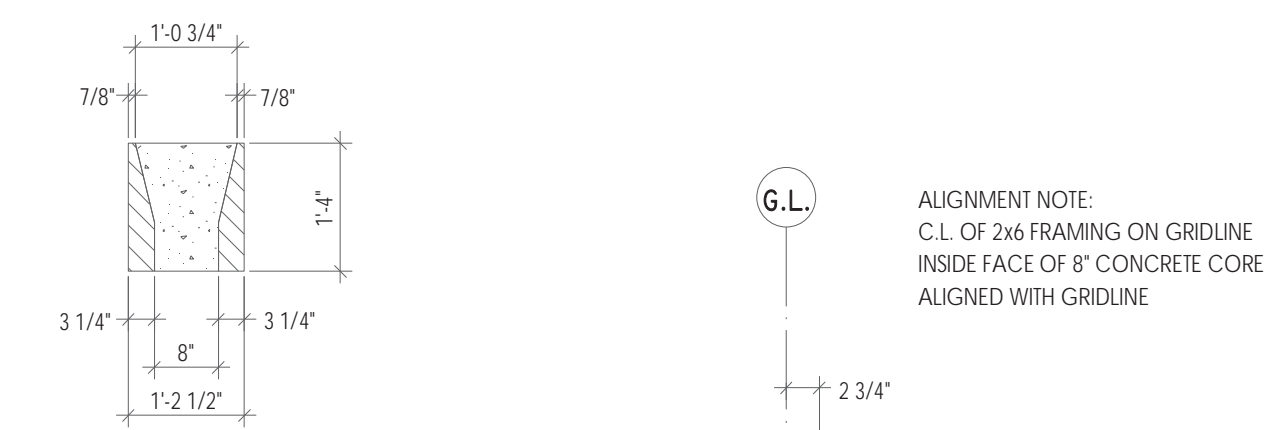
FLOOR ASSEMBLIES			
SYMBOL	CONSTRUCTION (DETAIL IN SECTION)	DESCRIPTION	NOTES
FLR1		INTERIOR CONCRETE FLOOR FLOOR FINISH BY OWNER 5" MIN CONCRETE SLAB c/w 6x6x6 WWF REINFORCING 6 MIL VAPOUR BARRIER MIN. 4" GRANULAR A, COMPACTED GRANULAR B, AS REQUIRED, COMPACTED REMOVE ALL ORGANICS WITHIN BUILDING COMPACT TO 98% PROCTOR	MECHANICAL TUBING FOR INFLOOR HEATING, LAYOUT / DESIGN BY OTHERS.  SAW CUTS ON FLOOR SLAB REQUIRED, AS PER DETAIL 4/S00C. LAYOUT COORDINATED BY G.C. MAX AREA OF SAW CUTTING GRID 20x20'
FLR2		EXTERIOR SIDEWALKS ANTI-SLIP BROOM FINISH 5" CONCRETE SLAB, REINFORCING AS PER SCHED c/w 6x6x6 WWF 4" GRANULAR A 12" GRANULAR B COMPACT TO 98% PROCTOR	

NOTES:  
1. UNDERSIDE OF EXTERIOR FOOTING PADS TO BE MINIMUM 48" BELOW FINISHED GRADE (OR TO LOCAL BY-LAWS).

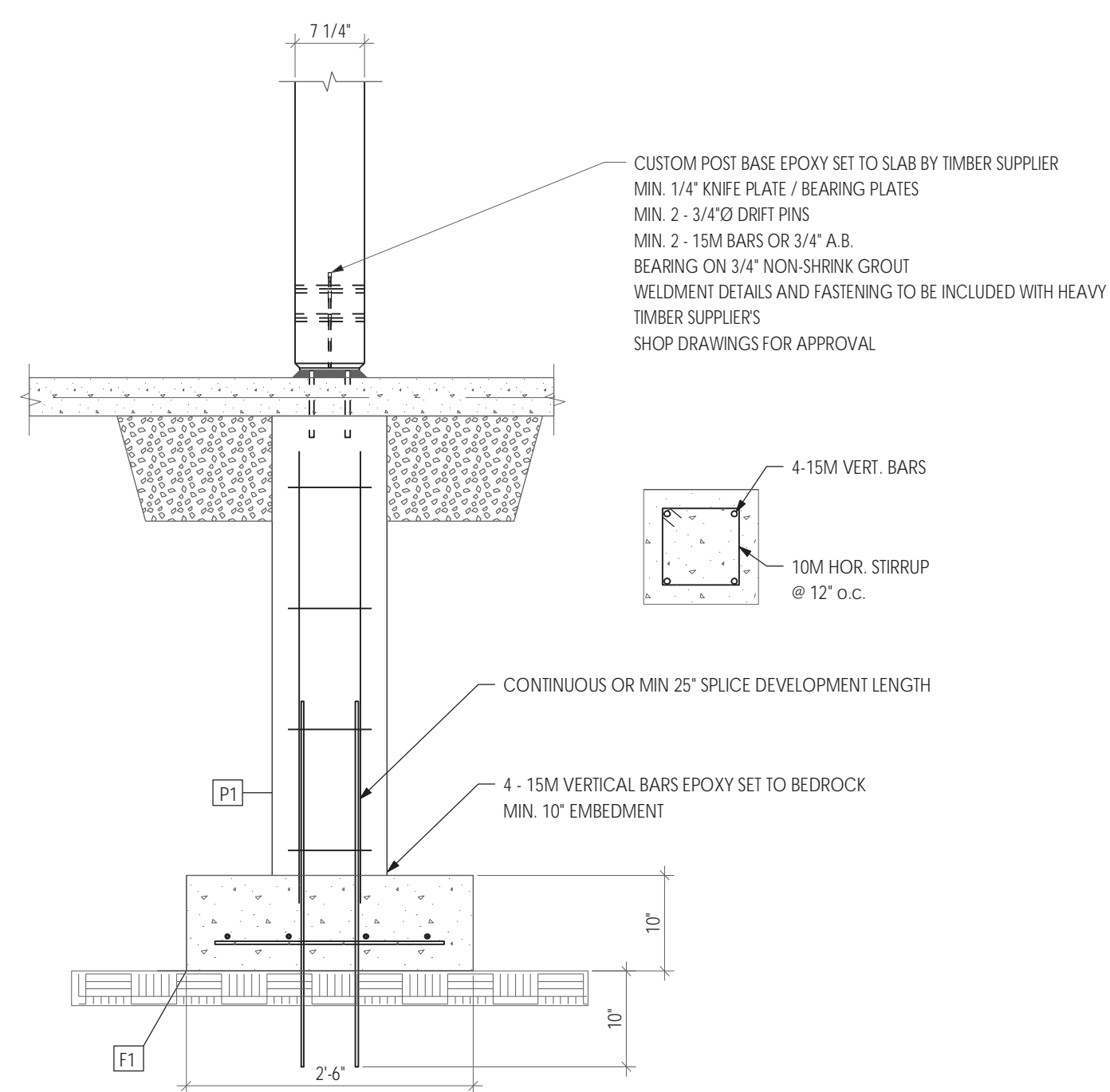
FOUNDATION WALL SCHEDULE			
SYMBOL	CONSTRUCTION (DETAIL IN PLAN)	DESCRIPTION	NOTES
FW1		EXTERIOR WATERPROOF MEMBRANE 10" POURED CONCRETE c/w 10M VERT. @ 16" o.c. c/w 10M HOR. @ 16" o.c.	



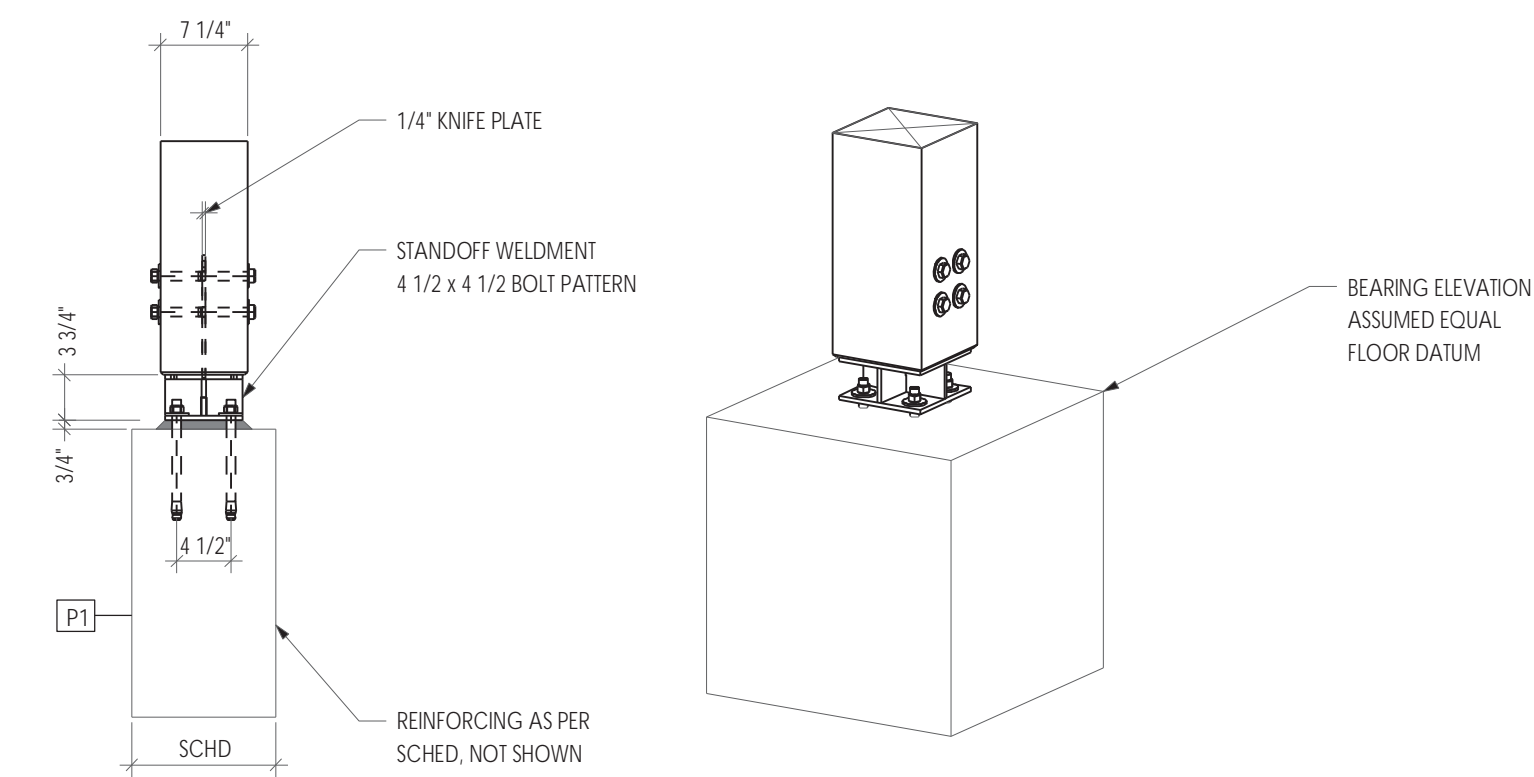
4 SAW CUT DETAIL  
S00c SCALE: 3/4" = 1'



1 TYPICAL FOOTING DETAIL  
S00c SCALE: 3/4" = 1'



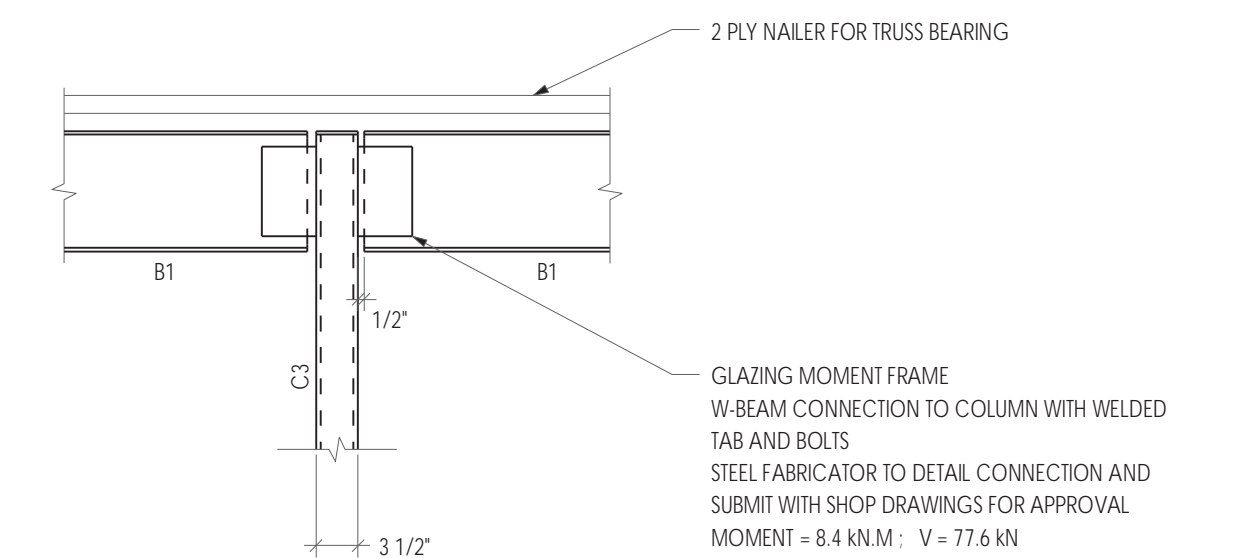
2 TYPICAL INTERIOR PIER DETAIL  
S00c SCALE: 3/4" = 1'



3 POST DETAIL - TYPICAL EXTERIOR  
S00c SCALE: 3/4" = 1'

MISC. SCHEDULE NOTES / COORDINATION / PERMIT APPLICATION NOTES:  
1. SITE PLAN AND ZONING APPROVAL COORDINATED BY ARCHITECT, NOT IN WHITTINGTON ENGINEERING SCOPE OF WORK. (INCLUDING, BUT NOT LIMITED TO, WATER / SANITARY / ELECTRIC / APPROVALS FROM ALL AUTHORITIES HAVING JURISDICTION/ ETC.)  
2. ALL BUILDING SETBACKS, CALCULATIONS OF EXPOSED BUILDING FACE WITH PERCENTAGE OF ALLOWABLE OPENINGS, CONFIRMATION OF ALLOWABLE BUILDING HEIGHT, MAXIMUM LOT COVERAGE, BYLAW RESTRICTIONS FOR ANCILLARY BUILDING, ETC. ARE THE RESPONSIBILITY OF OTHERS.  
3. REVIEW OF ALL ENERGY EFFICIENCY COMPLIANCE IS BY OTHERS.  
4. REVIEW OF ALL LIFE SAFETY COMPLIANCE IS BY OTHERS.  
5. REPORT IN-SITU SOIL CONDITIONS TO ENGINEER UPON EXCAVATION.

SUMMARY OF SHOP DRAWING SUBMITTALS FOR ENGINEERING REVIEW:  
1. APPROVAL OF SHOP DRAWINGS FOR CUT AND BENT REBAR REINFORCING FOR USE IN FOUNDATION DESIGN.  
2. APPROVAL OF STRUCTURAL STEEL SHOP DRAWINGS.  
3. APPROVAL OF PRE-ENGINEERED COMMON TRUSSES.  
4. APPROVAL OF HEAVY TIMBER FRAMING SYSTEM.



5 GLAZING MOMENT FRAME  
S00c SCALE: 1/2" = 1'

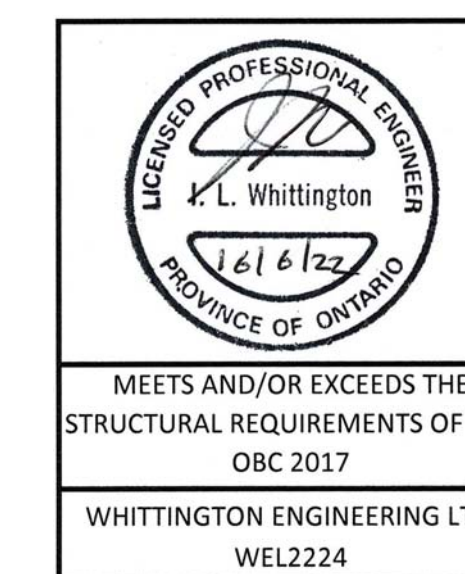
FOR TENDER ONLY

2	FOR TENDER	2022-06-16
1	FOR APPROVAL	2022-05-19
0	FOR APPROVAL	2022-05-13
REV	ITEM	YYYY-MM-DD

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106 ALBERT STREET  
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POP ISO  
PH: 705.377.5184 FAX: 705.377.4859

PROJECT:  
**G.B. TERMINAL CYZE**  
257 AIRPORT ROAD  
GORE BAY, ON



TITLE: **SCHEDULES I OF 2**

DRAWN BY: ANW CHECKED BY: ILW

DATE: MAY 2022 DRWG. No: **S00c**

JOB No: WEL2224



COLUMN SCHEDULE	
MARK	DESCRIPTION
C1	8x8 D.FIR NO 1
C2	6x6 D.FIR NO 2 OR BTR
C3	3 1/2 x 3 1/2 x 1/4 HSS
C4	MIN. 3 - 2x6 SPF NO 2 OR BTR BUILT-UP STUD

BEAM SCHEDULE		
MARK	DIMENSIONS	COMMENTS
B1	W12x22	MOMENT = 8.4 kN.M ; V = 77.6 kN
B2	2 - 1 3/4x11 7/8 LVL 2.0e	TYPICAL LARGE WINDOW / DOOR HEADER
B3	8x12 D.FIR NO 1	
B4	2 - 1 3/4x9 1/4 LVL 2.0e	SMALLER EXTERIOR DOOR HEADER
B5	MIN. 2 - 2x10 SPF NO 2 OR BTR	MIN HEADER, U.N.O.
B11	6x12 D.FIR NO 1	RAFTER PAIRS BETWEEN TIMBER TRUSSES
B12	6x16 D.FIR NO 1	RIDGE BEAM
B13	6x12 D.FIR NO 1	GLAZING SUPPORT BTW VESTIBULE COLUMNS

**HEAVY TIMBER TRUSS NOTES:**  
 1. SEE SECTION#4 ON S05 FOR TRUSS NOTES AND SCHEDULE OF TIMBER SIZING.

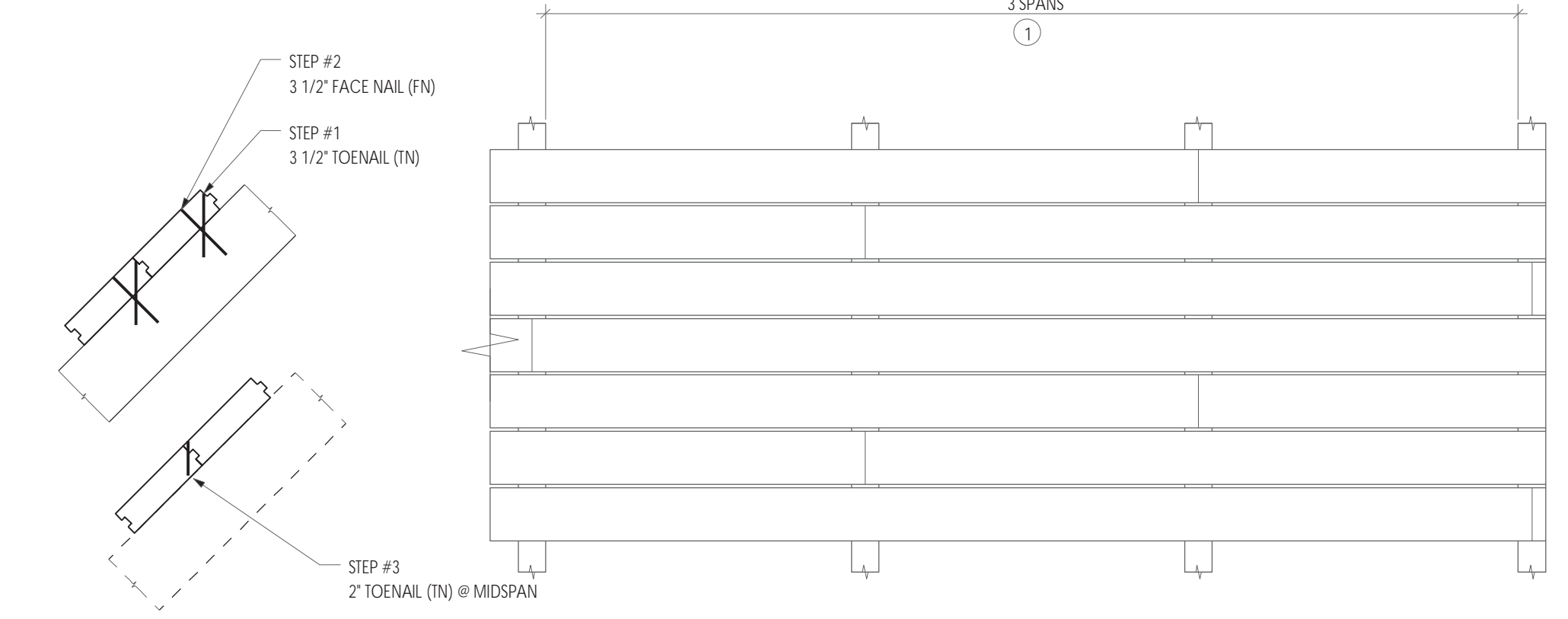
DOOR AND WINDOW SCHEDULE				
MARK	SERVICE	QTY.	R.S.O.	COMMENTS
DOORS			SEE PLAN - LINTEL WIDTH	SEE ARCHITECTS DOOR SCHEDULE
WINDOWS			SEE PLAN - LINTEL WIDTH	SEE ARCHITECTS GLAZING SCHEDULE

**DOOR AND WINDOW NOTES:**  
 1. DOORS AND WINDOWS AS PER ARCHITECTURAL.  
 2. CONSULT STRUCTURAL ENGINEER FOR UNUSUAL REQUIREMENTS, AS REQUIRED.  
 3. COORDINATE WINDOW WITH STEEL MOMENT FRAME SHOP DRAWINGS, BY OTHERS.

EXTERIOR WALL SCHEDULE			
SYMBOL	CONSTRUCTION	DESCRIPTION	NOTES
W1		EXTERIOR WALL WITH FULL CUT STONE EXTERIOR WALL FINISH SPECIFIED BY ARCHITECT EXTERIOR CONT. INSULATION PER ARCH. 1/2" EXTERIOR GRADE PLYWOOD SHEATHING 2 x 6 @ 16" o/c SPF # 2 OR BTR STUDS c/w HOR. BLOCKING @ 4'-0" o.c. VERT. INSULATION w/ 6 MIL POLY AS PER ARCH. INTERIOR FINISH AS ARCHITECT	FULL CUT STONE SECTION PROFILE AND COLOUR BY OWNER  SILL PLATES TO BE PT
W2		EXTERIOR WALL: VINYL SIDING EXTERIOR WALL FINISH SPECIFIED BY ARCHITECT EXTERIOR CONT. INSULATION PER ARCH. 1/2" EXTERIOR GRADE PLYWOOD SHEATHING 2 x 6 @ 16" o/c SPF # 2 OR BTR STUDS c/w HOR. BLOCKING @ 4'-0" o.c. VERT. INSULATION w/ 6 MIL POLY AS PER ARCH. INTERIOR FINISH AS ARCHITECT	PROFILE AND COLOUR BY OWNER  SIDING TO BE INSTALLED AS PER MANUFACTURER SPECIFICATIONS  SILL PLATES TO BE PT

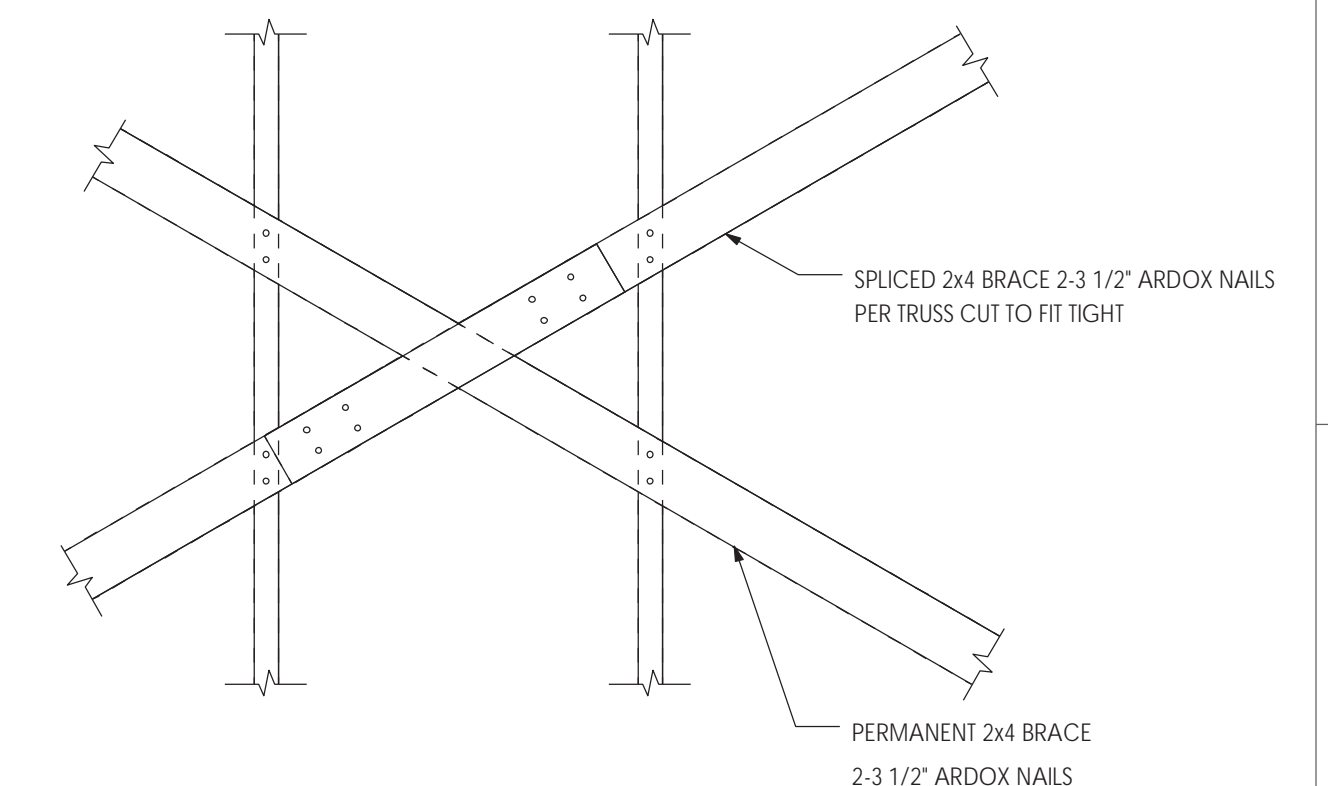
INTERIOR WALL SCHEDULE			
SYMBOL	CONSTRUCTION (DETAIL IN PLAN)	DESCRIPTION	NOTES
P1		LOAD BEARING PARTITION: GWB / GWB GWB BOTH SIDES 2 x 6 @ 16" o/c SPF # 2 OR BTR STUDS c/w HOR. BLOCKING @ 4'-0" o.c. VERT.	USE FOR ALL PLUMBING WALLS
P2		NON LOAD BEARING WALL: GWB / GWB GWB BOTH SIDES 2x4 SPF#2 OR BTR @ 16" o/c	

ROOF ASSEMBLIES			
SYMBOL	CONSTRUCTION (DETAIL IN SECTION)	DESCRIPTION	NOTES
R1		CONVENTIONAL TRUSS ROOF PREFINISHED METAL CONCEALED FASTENER STANDING SEAM ROOFING ICE & WATERSHIELD, ENTIRE ROOF SURFACE 1/2" EXTERIOR GRADE PLYWOOD SHEATHING PRE-ENGINEERED TRUSSES @ 24" O.C. ATTIC INSULATION PER ARCH. 6 MIL VAPOUR BARRIER CEILING FINISH AS PER ARCH.	VENTING BAFFLES AS REQ. TO CODE, NOT SHOWN
R2		VAULTED MASS TIMBER ROOF PREFINISHED METAL CONCEALED FASTENER STANDING SEAM ROOFING ICE & WATERSHIELD, ENTIRE ROOF SURFACE 8 1/4" STRUCTURAL INSULATED PANEL (SIP) 1/2" PLYWOOD 2x6 D.FIR SEL T&G DECKING HEAVY TIMBER TRUSS/ RAFTER ROOF PACKAGE	
R3		EXTERIOR COVERED PORCHES SAME AS ROOF R2 OPTION TO REPLACE SIP PANEL WITH CONVENTIONAL OVER FRAMING MATCHING THICKNESS OF SIP PANEL	
R4		AIR SIDE VESTIBULE CEILING / FLAT ROOF ITOP SIDE FINISH AS PER ARCHITECTURAL ICE & WATERSHIELD, EXTERIOR SIDE 1/2" EXTERIOR GRADE PLYWOOD SHEATHING 2x8 CEILING/ ROOF JOIST @ 24" O.C. INSULATION PER ARCH. 6 MIL VAPOUR BARRIER CEILING FINISH AS PER ARCH.	ROOF CONDITION 'R4a' EXTERIOR FLAT ROOF (AIR SIDE BEYOND GRIDLINE)  ROOF CONDITION 'R4b' INTERIOR CEILING

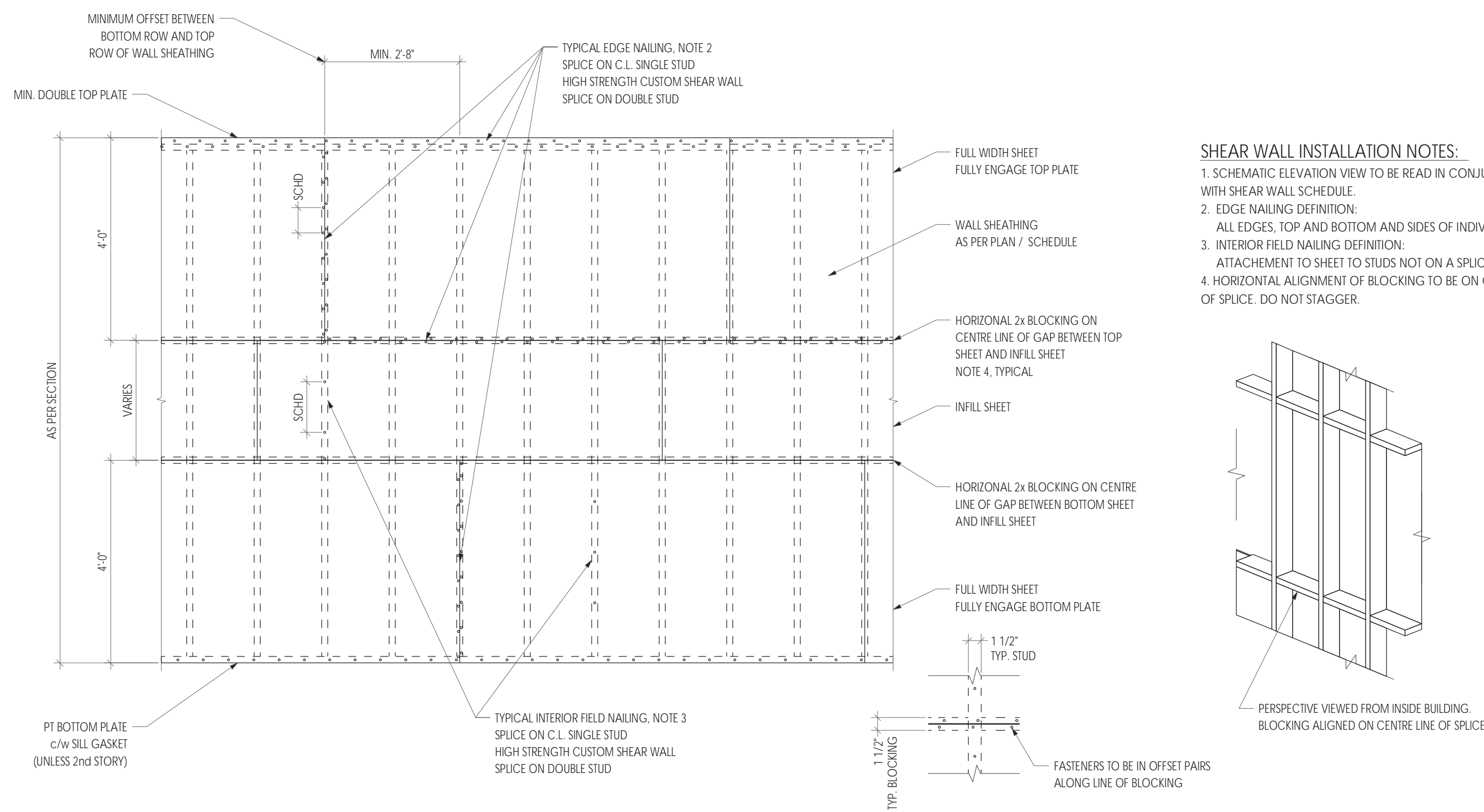


- GENERAL DECKING NOTES:**  
 1. REFER TO DWG. S00c FOR DESIGN LOADS.  
 2. ROOF OVERHANG SHOWN FOR REFERENCE ONLY.  
 COORDINATE WITH ARCHITECTURAL  
 3. SITE APPLICATION OF STAIN / TREATMENT OF DECKING IS BY OTHERS.  
 DECKING SUPPLIED AS RECEIVED FROM MANUFACTURER.  
 4. RAFTER SPACING AS PER PLAN 2/S02.  
 5. NAILING PATTERN AS NOTED ABOVE.
- DECKING SPECIFICATION:**  
 1. DECKING TO BE KILN DRIED TO 15%  
 MAXIMUM MOISTURE CONTENT.  
 2. SPECIES: DOUGLAS FIR  
 3. GRADE: SELECT  
 4. PROFILE: TOUNGE AND GROOVE,  
 MICROBEVEL, NLGA PROFILE 18
- DECKING INSTALLATION:**  
 1. DECKING INSTALLATION TO CONFORM WITH CSA 0141.  
 2. ALL DECKING SHALL BE MINIMUM TWO SPAN CONTINUOUS.  
 3. ALL BUTT JOINTS SHALL BE INSTALLED OVER TIMBER SUPPORTS.  
 4. SPLICE LOCATIONS SHALL BE ALTERNATED BETWEEN ROWS.

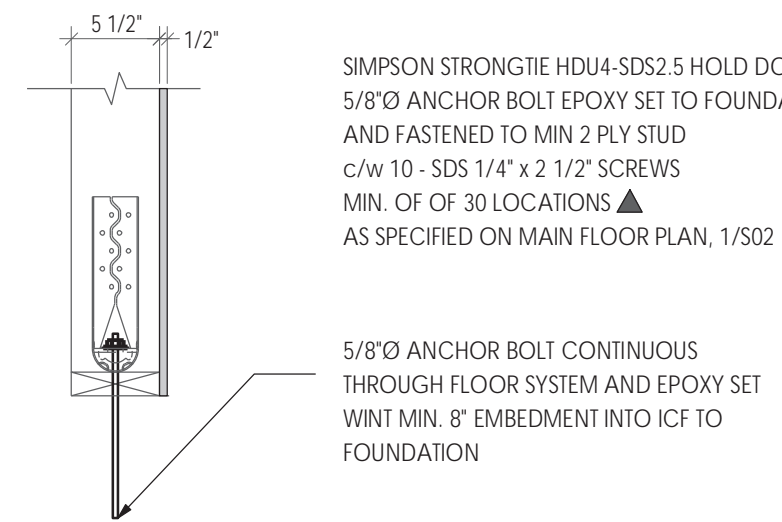
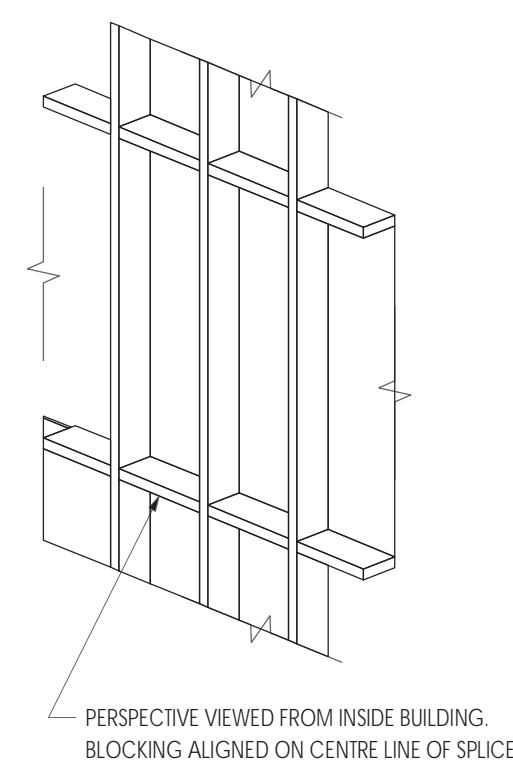
5 S00p CONTINUOUS, 2 SPAN MINIMUM DECKING INSTALLATION NTS



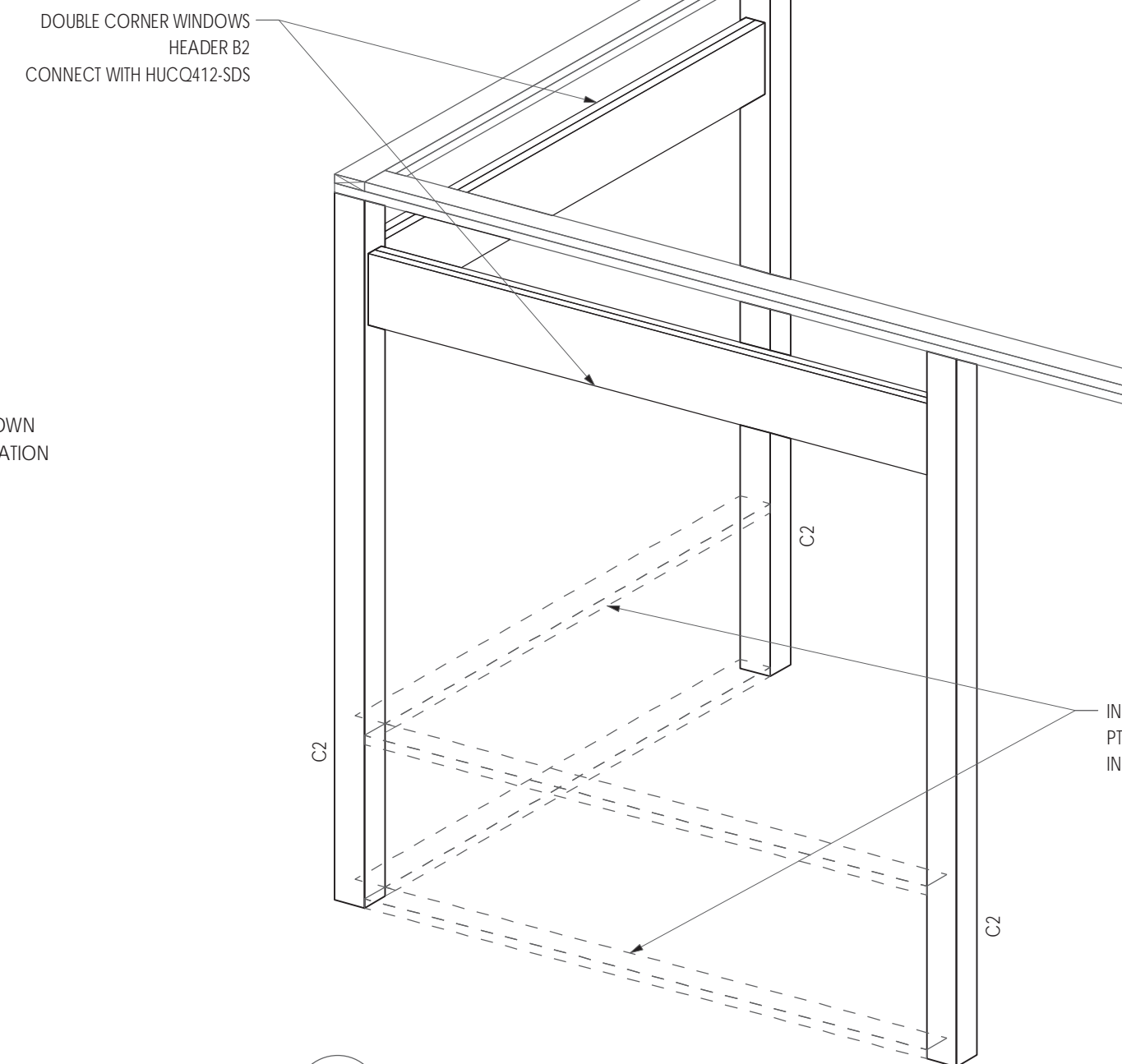
4 S00p TYP. SPLICE DETAIL (ROOF BRACING) SCALE: 1" = 1'



- SHEAR WALL INSTALLATION NOTES:**  
 1. SCHEMATIC ELEVATION VIEW TO BE READ IN CONJUNCTION WITH SHEAR WALL SCHEDULE.  
 2. EDGE NAILING DEFINITION:  
 ALL EDGES, TOP AND BOTTOM AND SIDES OF INDIVIDUAL SHEET.  
 3. INTERIOR FIELD NAILING DEFINITION:  
 ATTACHMENT TO SHEET TO STUDS NOT ON A SPLICE LOCATION.  
 4. HORIZONTAL ALIGNMENT OF BLOCKING TO BE ON CENTRE LINE OF SPLICE. DO NOT STAGGER.



2 S00p HOLD DOWN DETAIL SCALE: 1" = 1'



3 S00p CORNER WINDOW HEADER DETAIL SCALE: 1" = 1'

1 S00p SHEAR WALL / TALL WALL FRAMING DETAILS NTS

SHEAR WALL SCHEDULE						
MARK	SHEATHING		NAILING / BLOCKING			COMMENTS
	THICKNESS	# OF SIDES	FASTENER	EDGE NAILING	FIELD NAILING	
SW-A	1/2" PLY	1 SIDE	Bd - NAIL x 2 1/2"	4"	6"	ALL EXTERIOR WALLS

2	FOR TENDER	2022-06-16
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REV	ITEM	YYYY-MM-DD

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**WHITTINGTON ENGINEERING LTD.**  
 106 ALBERT STREET  
 MINDEMOYA, ONTARIO, CANADA  
 POP ISO  
 PH: 705.377.5184 FAX: 705.377.4859

PROJECT: **G.B. TERMINAL CYZE**  
 257 AIRPORT ROAD  
 GORE BAY, ON

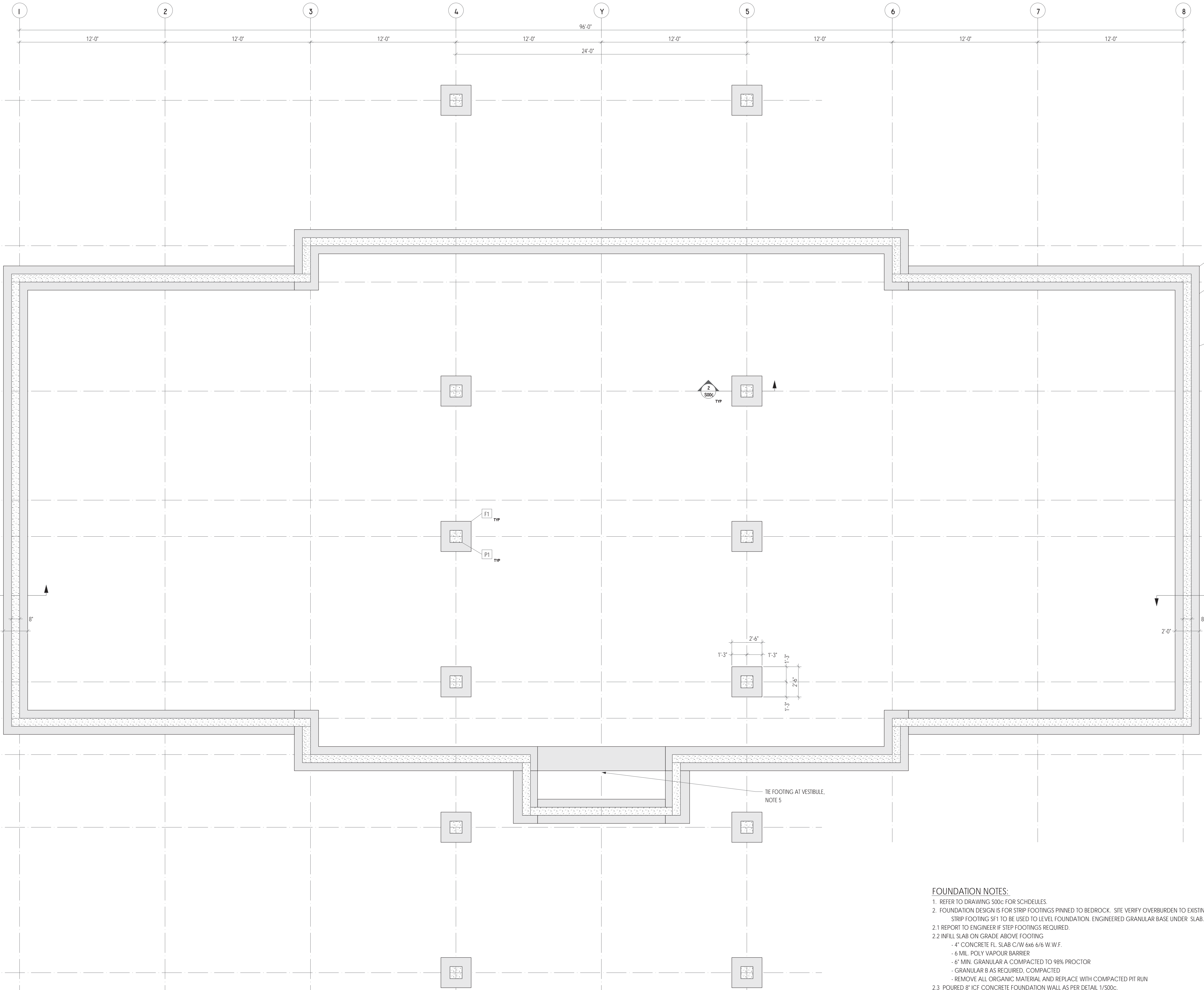
TITLE: **SCHEDULES 2 OF 2**

DRAWN BY: ANW CHECKED BY: ILW  
 DATE: MAY 2022 DRWG. No: S00D  
 JOB No: WEL2224



FOR TENDER ONLY

SUMMARY OF SECTIONS:			
SECTION 1	DETAIL 1/S04	GRIDLINE 'X'	VIEW FACING GROUND SIDE
SECTION 2	DETAIL 2/S04	NEAR G.L. 'E'	VIEW FACING AIR SIDE EXT. WALL
SECTION 3	DETAIL 3/S05	BTW G.L. 'E/F'	VIEW FACING AIR SIDE EXT. WALL
SECTION 4	DETAIL 4/S05	NEAR G.L. 'F'	VIEW FACING AIR SIDE TRUSS
SECTION 5	DETAIL 5/S05	BTW G.L. '1/2'	VIEW FACING SIDE ELEVATION
SECTION 6	DETAIL 6/S06	GRIDLINE 'Y'	VIEW FACING SIDE ELEVATION



DRAWING S01 REFERENCE TO 8" CONCRETE ICF CORE INSULATION NOT SHOWN



**FOR TENDER ONLY**

- FOUNDATION NOTES:**
- REFER TO DRAWING S00c FOR SCHEDULES
  - FOUNDATION DESIGN IS FOR STRIP FOOTINGS PINNED TO BEDROCK. SITE VERIFY OVERBURDEN TO EXISTING GRADE. STRIP FOOTING SF1 TO BE USED TO LEVEL FOUNDATION. ENGINEERED GRANULAR BASE UNDER SLAB.
  - REPORT TO ENGINEER IF STEP FOOTINGS REQUIRED.
  - INFILL SLAB ON GRADE ABOVE FOOTING
    - 4" CONCRETE FL. SLAB C/W 6x6 6/6 W.W.F.
    - 6 MIL. POLY VAPOUR BARRIER
    - 6" MIN. GRANULAR A COMPACTED TO 98% PROCTOR
    - GRANULAR B AS REQUIRED, COMPACTED
    - REMOVE ALL ORGANIC MATERIAL AND REPLACE WITH COMPACTED PIT RUN
  - POURED 8" CONCRETE FOUNDATION WALL AS PER DETAIL 1/500c.
  - CONCRETE PIERS ON POURED FOOTING F1. SEE DETAILS 2/500c AND 3/500c.
  - ALL INTERNAL PARTITIONS ARE TO BE NON-LOAD BEARING, U.N.O.
  - ALL INTERIOR DRAINAGE/PLUMBING FACILITIES ARE BY OTHERS.
  - STRUCTURAL RECOMMENDATION TO TIE SF1 CONTINUOUS AT ENTRY VESTIBULE. OPTION TO REDUCE WITH TO MIN. 12" CARRY MIN. 2 REBAR CONTINUOUS

**FOUNDATION PLAN**  
SCALE: 1/4" = 1'

REV	ITEM	YYYY-MM-DD
2	FOR TENDER	2022-06-16
1	FOR APPROVAL	2022-05-19
0	FOR APPROVAL	2022-05-13

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106 ALBERT STREET  
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PROJECT: **G.B. TERMINAL CYZE**  
257 AIRPORT ROAD  
GORE BAY, ON

TITLE: **FOUNDATION PLAN**

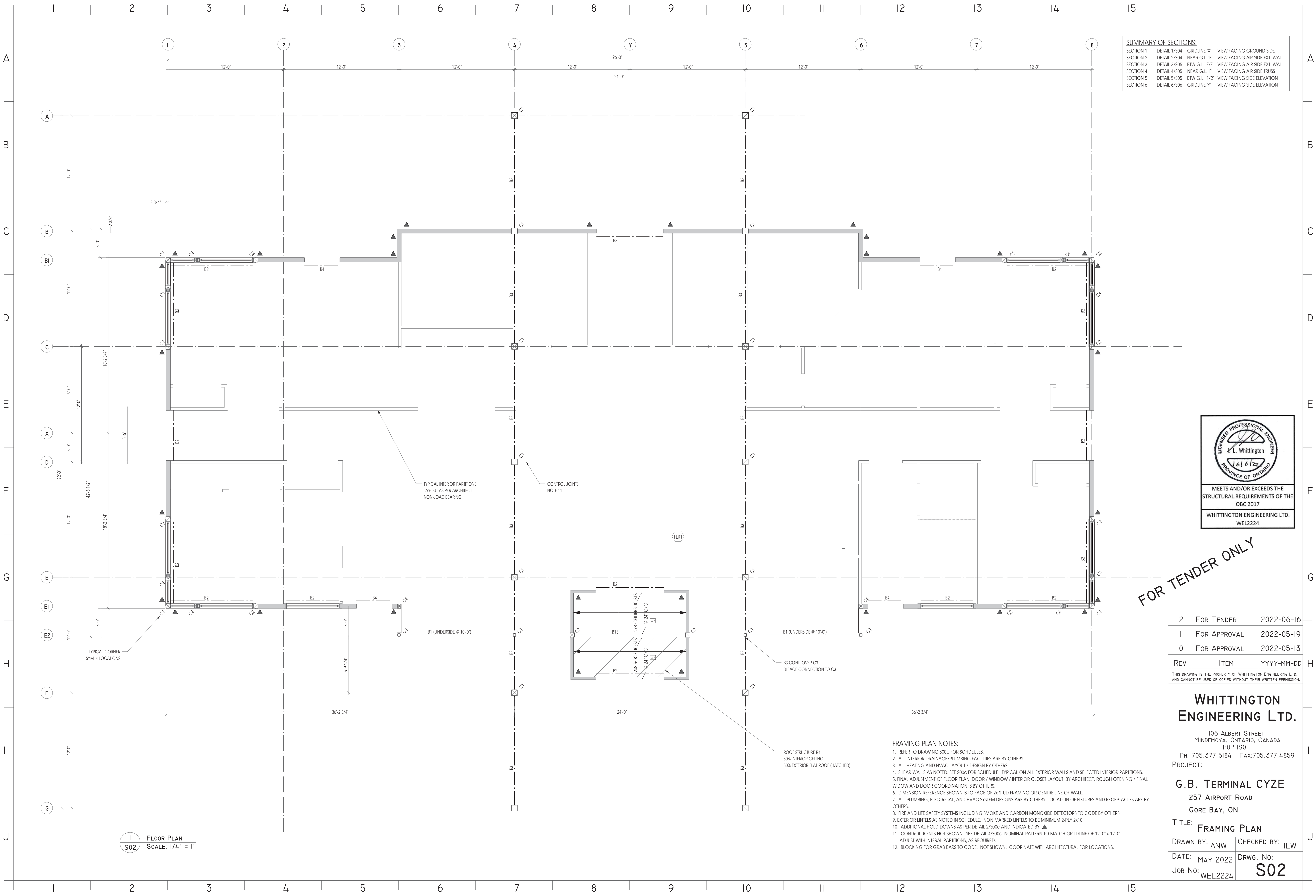
DRAWN BY: ANW CHECKED BY: ILW

DATE: MAY 2022 DRWG. No: **S01**

JOB No: WEL2224



SUMMARY OF SECTIONS:			
SECTION 1	DETAIL 1/S04	GRIDLINE 'X'	VIEW FACING GROUND SIDE
SECTION 2	DETAIL 2/S04	NEAR G.L. 'E'	VIEW FACING AIR SIDE EXT. WALL
SECTION 3	DETAIL 3/S05	BTW G.L. 'E'/'F'	VIEW FACING AIR SIDE EXT. WALL
SECTION 4	DETAIL 4/S05	NEAR G.L. 'F'	VIEW FACING AIR SIDE TRUSS
SECTION 5	DETAIL 5/S05	BTW G.L. '1/2'	VIEW FACING SIDE ELEVATION
SECTION 6	DETAIL 6/S06	GRIDLINE 'Y'	VIEW FACING SIDE ELEVATION



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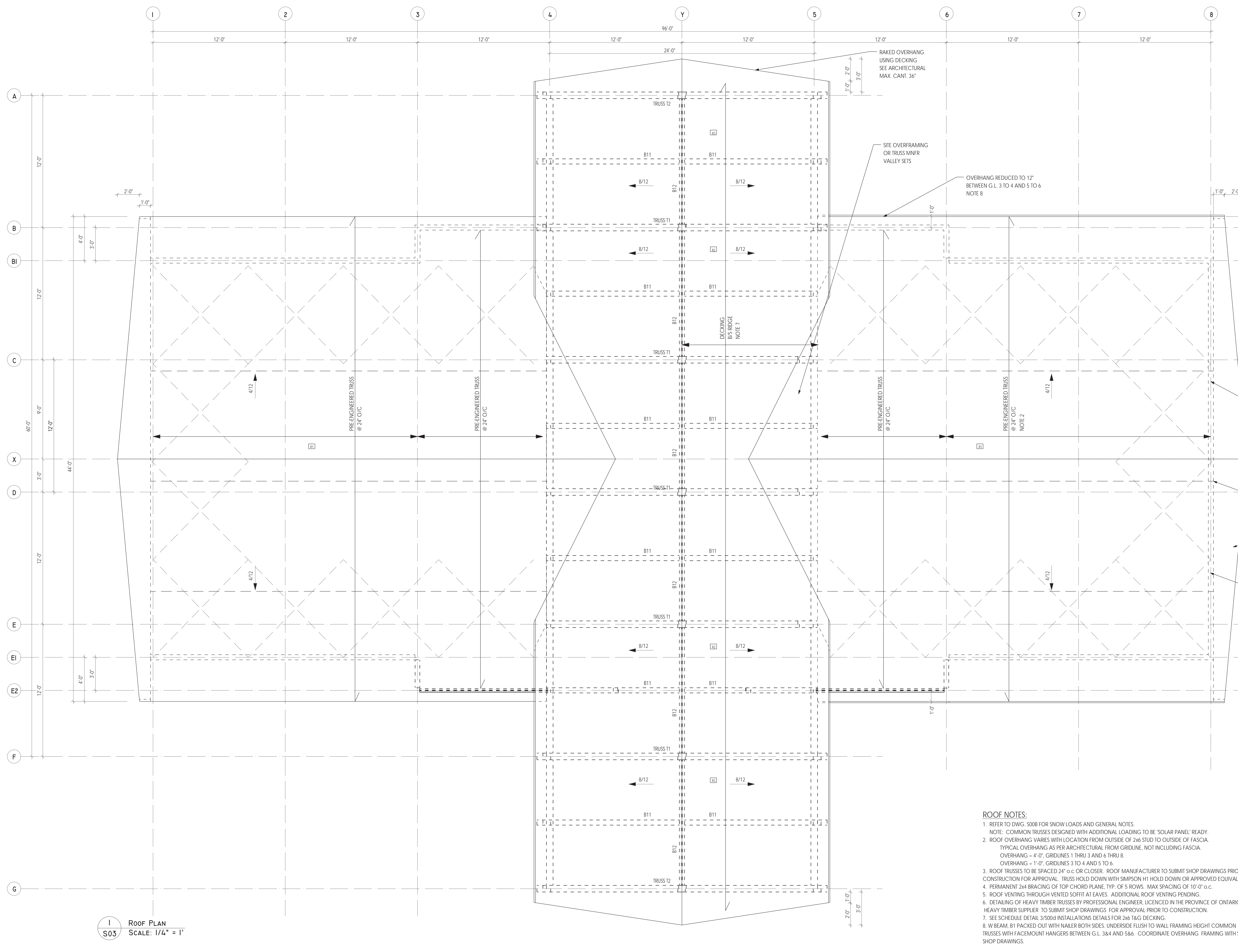
TITLE: **FRAMING PLAN**

DRAWN BY: ANW	CHECKED BY: ILW
DATE: MAY 2022	DRWG. No: <b>S02</b>
JOB No: WEL2224	

- FRAMING PLAN NOTES:**
- REFER TO DRAWING S00c FOR SCHEDULES.
  - ALL INTERIOR DRAINAGE/PLUMBING FACILITIES ARE BY OTHERS.
  - ALL HEATING AND HVAC LAYOUT / DESIGN BY OTHERS.
  - SHEAR WALLS AS NOTED. SEE S00c FOR SCHEDULE. TYPICAL ON ALL EXTERIOR WALLS AND SELECTED INTERIOR PARTITIONS.
  - FINAL ADJUSTMENT OF FLOOR PLAN, DOOR / WINDOW / INTERIOR CLOSET LAYOUT BY ARCHITECT. ROUGH OPENING / FINAL WINDOW AND DOOR COORDINATION IS BY OTHERS.
  - DIMENSION REFERENCE SHOWN IS TO FACE OF 2x STUD FRAMING OR CENTRE LINE OF WALL.
  - ALL PLUMBING, ELECTRICAL, AND HVAC SYSTEM DESIGNS ARE BY OTHERS. LOCATION OF FIXTURES AND RECEPTACLES ARE BY OTHERS.
  - FIRE AND LIFE SAFETY SYSTEMS INCLUDING SMOKE AND CARBON MONOXIDE DETECTORS TO CODE BY OTHERS.
  - EXTERIOR LINTELS AS NOTED IN SCHEDULE. NON MARKED LINTELS TO BE MINIMUM 2-PLY 2x10.
  - ADDITIONAL HOLD DOWNS AS PER DETAIL 2/S00c AND INDICATED BY ▲
  - CONTROL JOINTS NOT SHOWN. SEE DETAIL 4/S00c. NOMINAL PATTERN TO MATCH GRIDLINE OF 12'-0" x 12'-0". ADJUST WITH INTERNAL PARTITIONS, AS REQUIRED.
  - BLOCKING FOR GRAB BARS TO CODE. NOT SHOWN. COORDINATE WITH ARCHITECTURAL FOR LOCATIONS.

**FLOOR PLAN**  
SCALE: 1/4" = 1'

SUMMARY OF SECTIONS:		
SECTION 1	DETAIL 1/S04	GRIDLINE 'X' VIEW FACING GROUND SIDE
SECTION 2	DETAIL 2/S04	NEAR G.L. 'E' VIEW FACING AIR SIDE EXT. WALL
SECTION 3	DETAIL 3/S05	BTW G.L. 'E'/'F' VIEW FACING AIR SIDE EXT. WALL
SECTION 4	DETAIL 4/S05	NEAR G.L. 'F' VIEW FACING AIR SIDE TRUSS
SECTION 5	DETAIL 5/S05	BTW G.L. '1/2' VIEW FACING SIDE ELEVATION
SECTION 6	DETAIL 6/S06	GRIDLINE 'Y' VIEW FACING SIDE ELEVATION



- ROOF NOTES:**
- REFER TO DWG. S208 FOR SNOW LOADS AND GENERAL NOTES.
  - NOTE: COMMON TRUSSES DESIGNED WITH ADDITIONAL LOADING TO BE SOLAR PANEL READY.
  - ROOF OVERHANG VARIES WITH LOCATION FROM OUTSIDE OF 2x6 STUD TO OUTSIDE OF FASCIA. TYPICAL OVERHANG AS PER ARCHITECTURAL FROM GRIDLINE, NOT INCLUDING FASCIA. OVERHANG - 4'-0" GRIDLINES 1 THRU 3 AND 6 THRU 8. OVERHANG - 1'-0" GRIDLINES 3 TO 4 AND 5 TO 6.
  - ROOF TRUSSES TO BE SPACED 24" o.c. OR CLOSER. ROOF MANUFACTURER TO SUBMIT SHOP DRAWINGS PRIOR TO CONSTRUCTION FOR APPROVAL. TRUSS HOLD DOWN WITH SIMPSON H1 HOLD DOWN OR APPROVED EQUIVALENT.
  - PERMANENT 2x4 BRACING OF TOP CHORD PLANE, TYP. OF 5 ROWS. MAX SPACING OF 10'-0" o.c.
  - ROOF VENTING THROUGH VENTED SOFFIT AT EAVES. ADDITIONAL ROOF VENTING PENDING.
  - DETAILING OF HEAVY TIMBER TRUSSES BY PROFESSIONAL ENGINEER, LICENCED IN THE PROVINCE OF ONTARIO. HEAVY TIMBER SUPPLIER TO SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION.
  - SEE SCHEDULE DETAIL 3/500d INSTALLATIONS DETAILS FOR 2x6 T&G DECKING.
  - W BEAM, B1 PACKED OUT WITH NAILER BOTH SIDES. UNDERSIDE FLUSH TO WALL FRAMING HEIGHT COMMON TRUSSES WITH FACEMOUNT HANGERS BETWEEN G.L. 3&4 AND 5&6. COORDINATE OVERHANG FRAMING WITH STEEL SHOP DRAWINGS.

**FOR TENDER ONLY**

**I**  
**S03** **Roof PLAN**  
SCALE: 1/4" = 1'

2	FOR TENDER	2022-06-16
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REV	ITEM	YYYY-MM-DD

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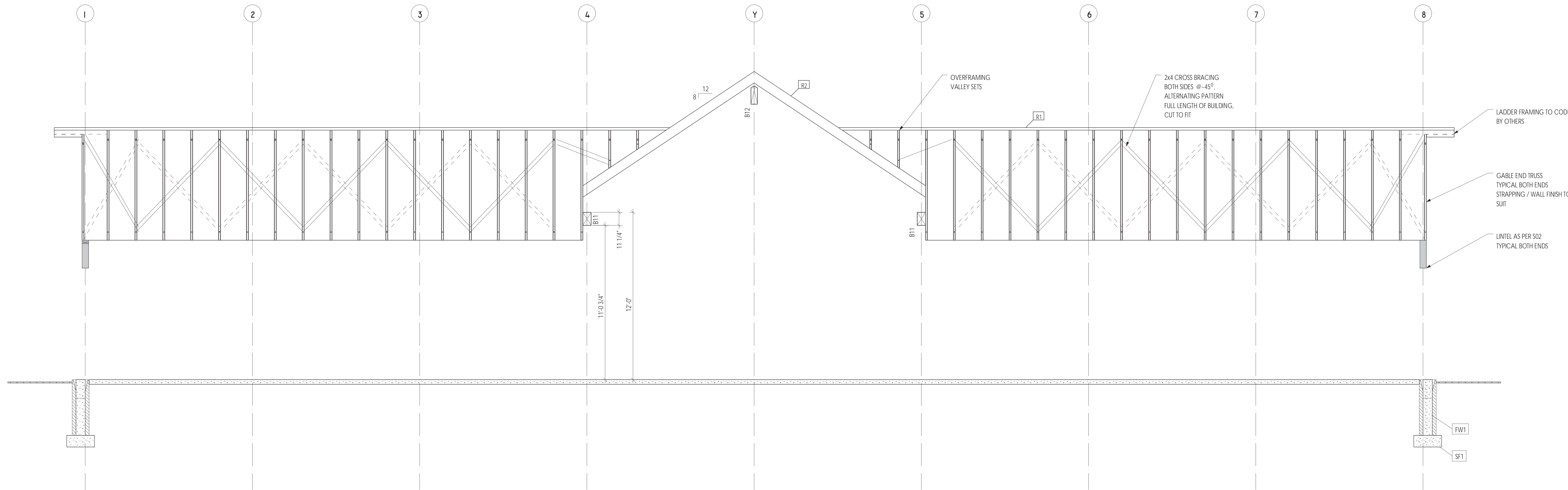
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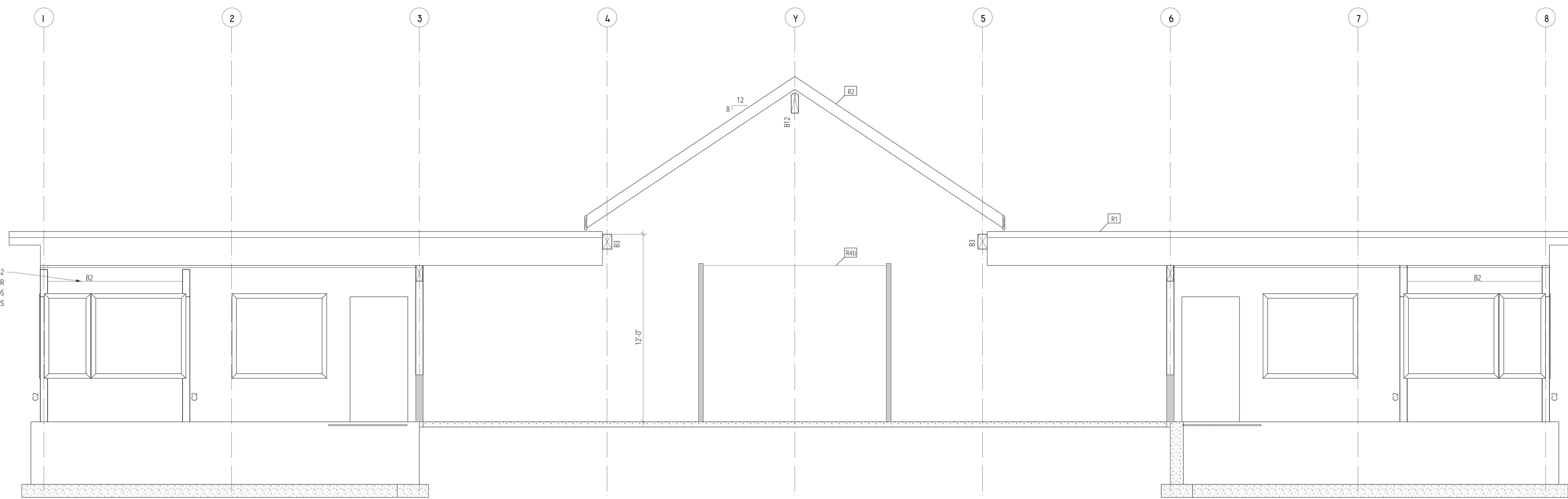
TITLE: **Roof PLAN**

DRAWN BY: ANW CHECKED BY: ILW  
DATE: MAY 2022 DRWG. No: **S03**  
JOB No: WEL2224





1 SECTION #1 THRU LOW RIDGE  
SCALE: 1/4" = 1'



2 SECTION #2 (AIR SIDE EXTERIOR WALL)  
SCALE: 1/4" = 1'

FOR TENDER ONLY

2	FOR TENDER	2022-06-16
1	FOR APPROVAL	2022-05-19
0	FOR APPROVAL	2022-05-13
REV	ITEM	YYYY-MM-DD

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**WHITTINGTON ENGINEERING LTD.**

106 ALBERT STREET  
MINDEMOYA, ONTARIO, CANADA  
POP ISO  
PH: 705.377.5184 FAX: 705.377.4859

PROJECT:  
**G.B. TERMINAL CYZE**  
257 AIRPORT ROAD  
GORE BAY, ON

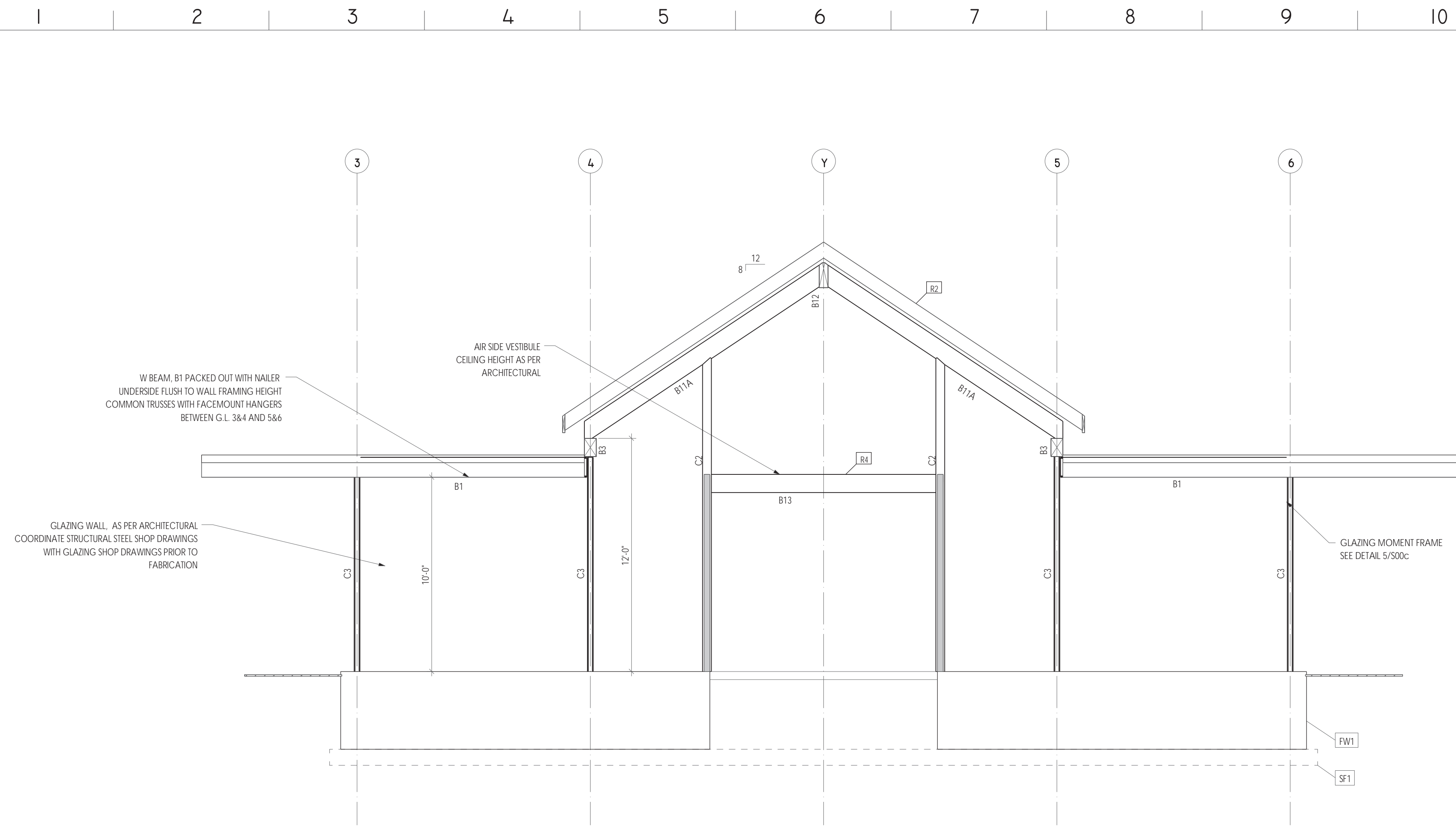
TITLE: **SECTIONS 1 AND 2**

DRAWN BY: ANW CHECKED BY: ILW

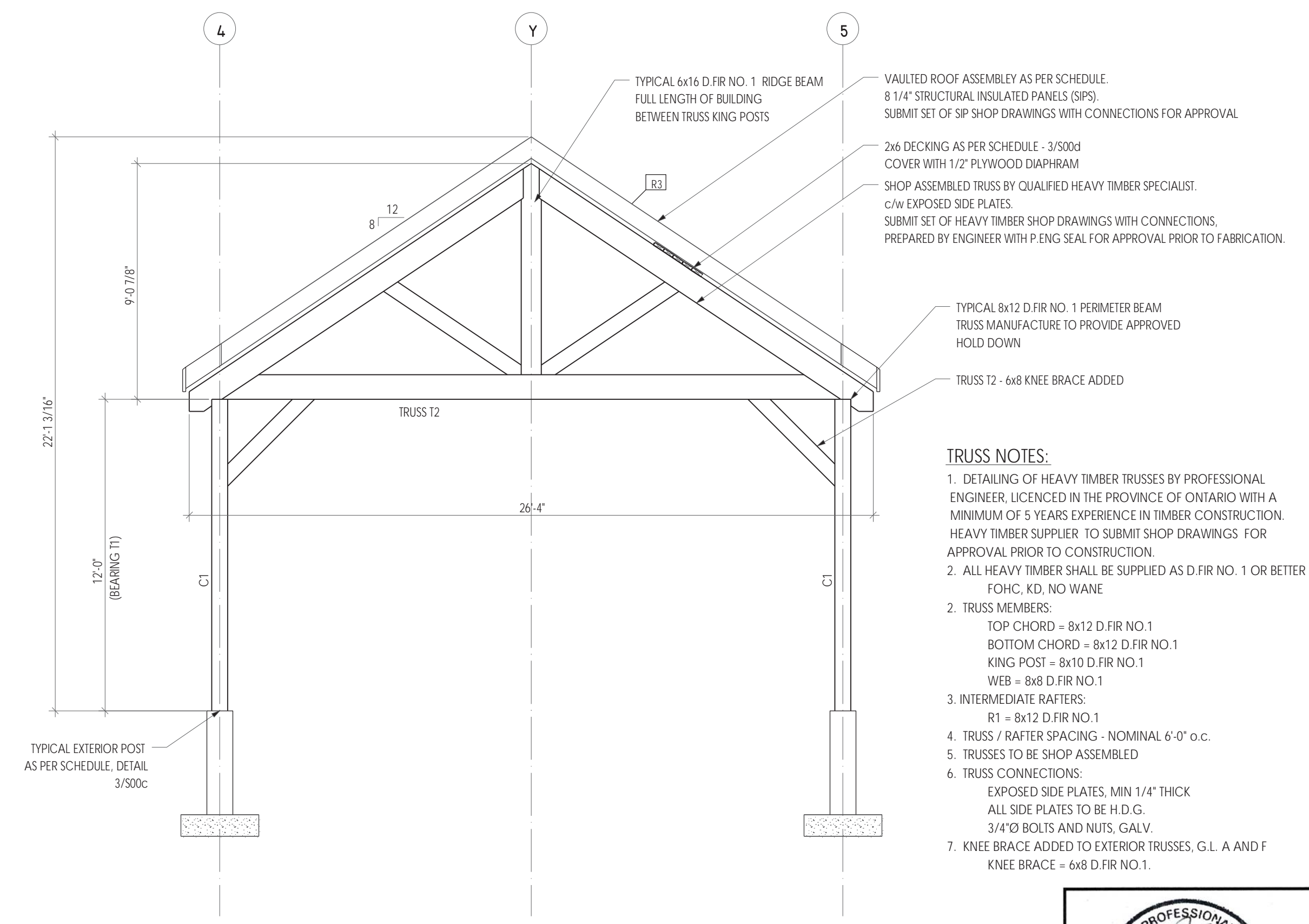
DATE: MAY 2022 DRWG. No:

JOB No: WEL2224 **S04**



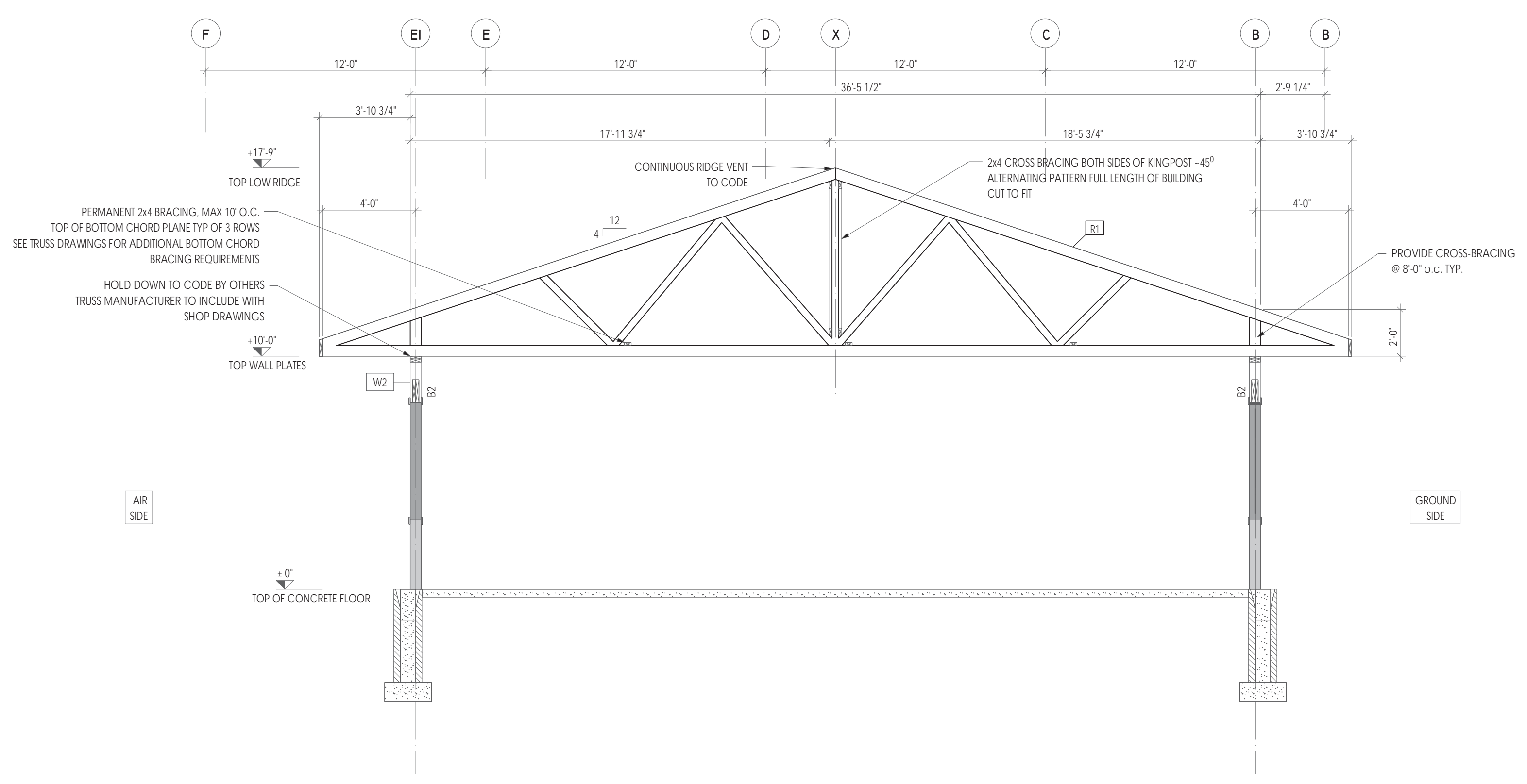


3 SECTION #3 THRU AIR SIDE GLAZING WALL  
SCALE: 1/4" = 1'

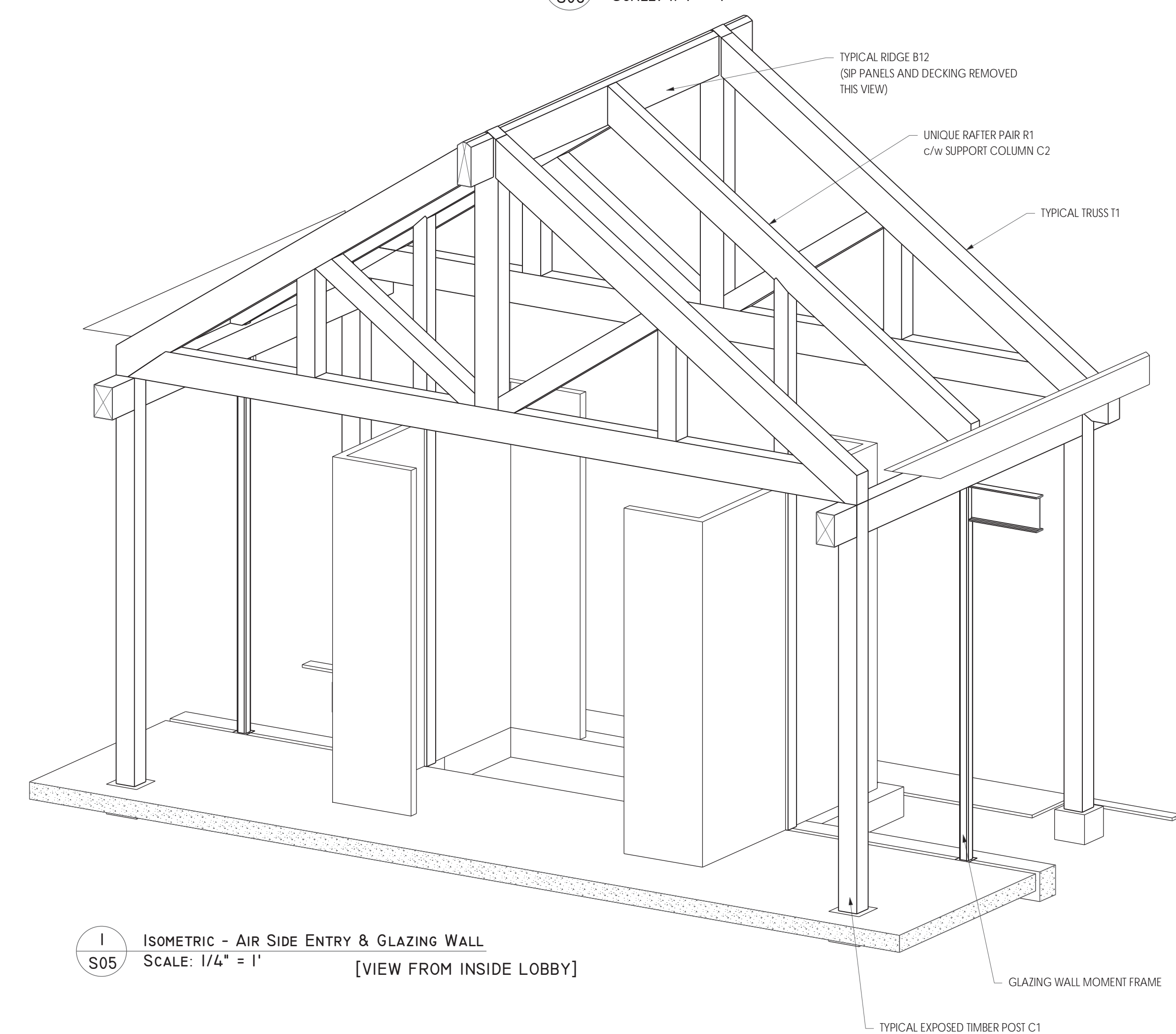


4 SECTION #4 THRU AIR SIDE EXTERIOR TRUSS GRIDLINE G (G.L. A SYM.)  
SCALE: 1/4" = 1'

- TRUSS NOTES:**
1. DETAILING OF HEAVY TIMBER TRUSSES BY PROFESSIONAL ENGINEER, LICENCED IN THE PROVINCE OF ONTARIO WITH A MINIMUM OF 5 YEARS EXPERIENCE IN TIMBER CONSTRUCTION. HEAVY TIMBER SUPPLIER TO SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO CONSTRUCTION.
  2. ALL HEAVY TIMBER SHALL BE SUPPLIED AS D.FIR NO. 1 OR BETTER FOHC, KD, NO WANE.
  3. TRUSS MEMBERS:  
TOP CHORD = 8x12 D.FIR NO.1  
BOTTOM CHORD = 8x10 D.FIR NO.1  
KING POST = 8x10 D.FIR NO.1  
WEB = 8x8 D.FIR NO.1
  3. INTERMEDIATE RAFTERS:  
R1 = 8x12 D.FIR NO.1
  4. TRUSS / RAFTER SPACING - NOMINAL 6'-0" o.c.
  5. TRUSSES TO BE SHOP ASSEMBLED
  6. TRUSS CONNECTIONS:  
EXPOSED SIDE PLATES, MIN 1/4" THICK  
ALL SIDE PLATES TO BE H.D.G.  
3/4"Ø BOLTS AND NUTS, GALV.
  7. KNEE BRACE ADDED TO EXTERIOR TRUSSES, G.L. A AND F  
KNEE BRACE = 6x8 D.FIR NO.1.



5 SECTION #5 THRU SIDE WING (TYPICAL)  
SCALE: 1/4" = 1'



1 ISOMETRIC - AIR SIDE ENTRY & GLAZING WALL  
SCALE: 1/4" = 1' [VIEW FROM INSIDE LOBBY]

FOR TENDER ONLY

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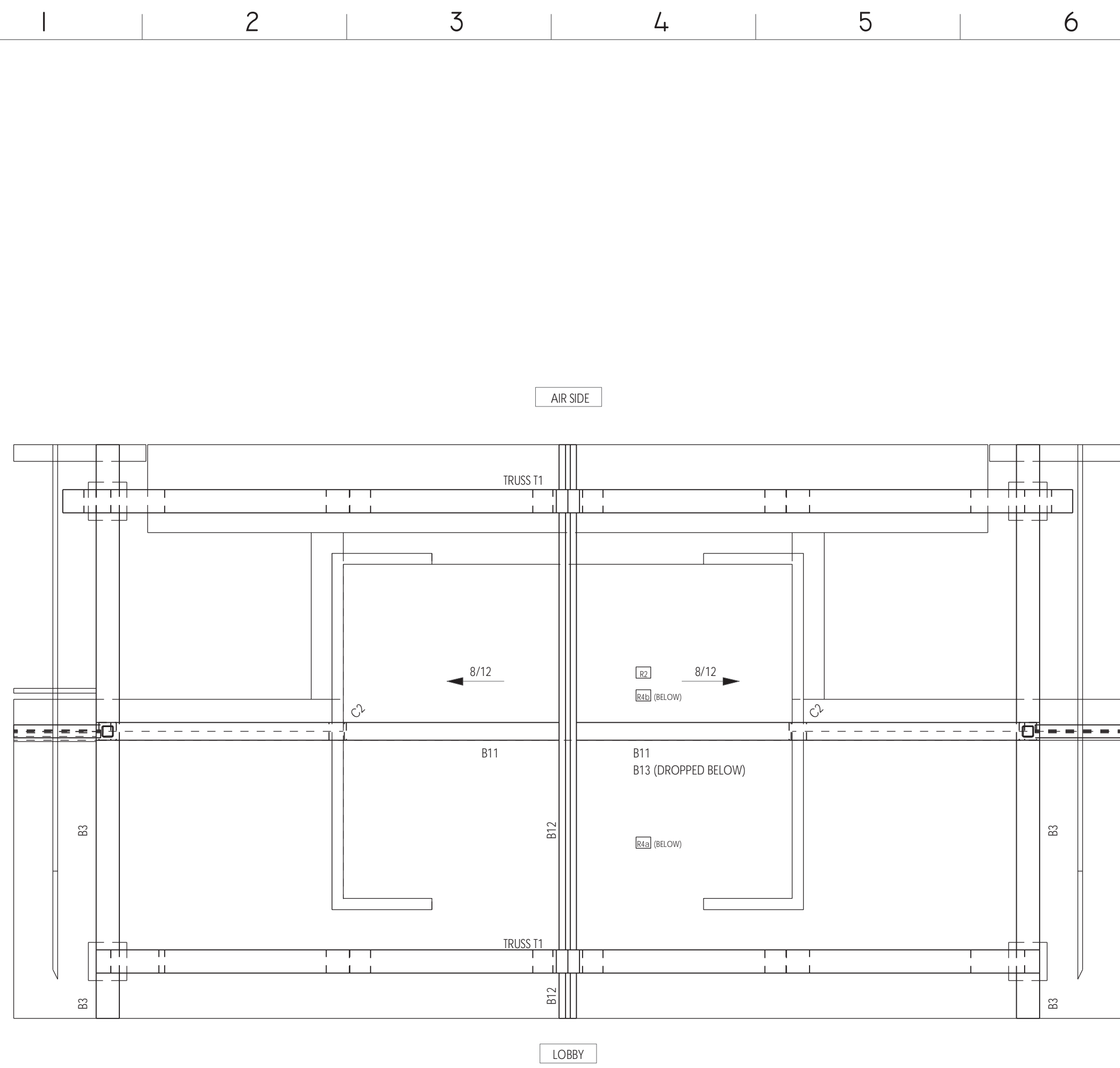
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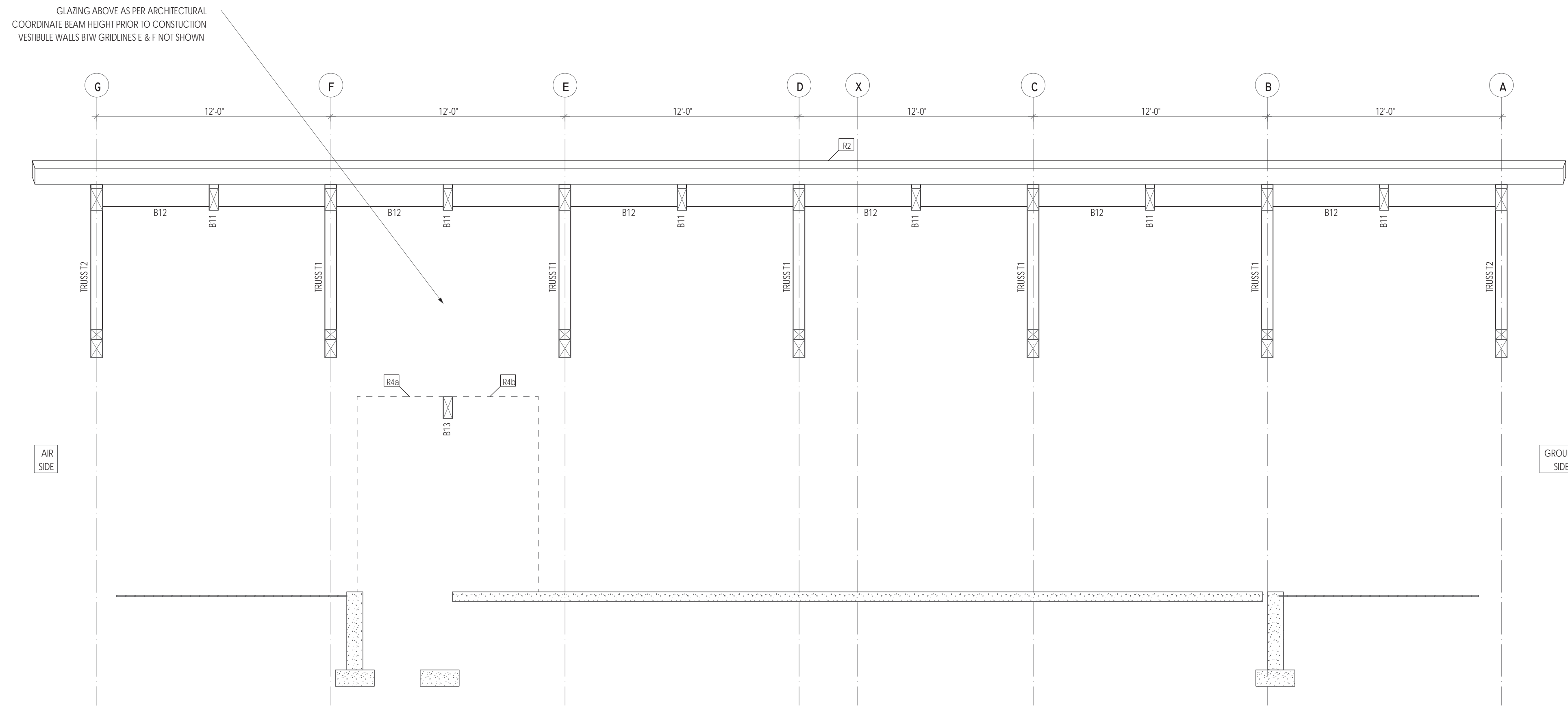
PROJECT: **G.B. TERMINAL CYZE**  
257 AIRPORT ROAD  
GORE BAY, ON

TITLE: **SECTIONS 3 THRU 5**

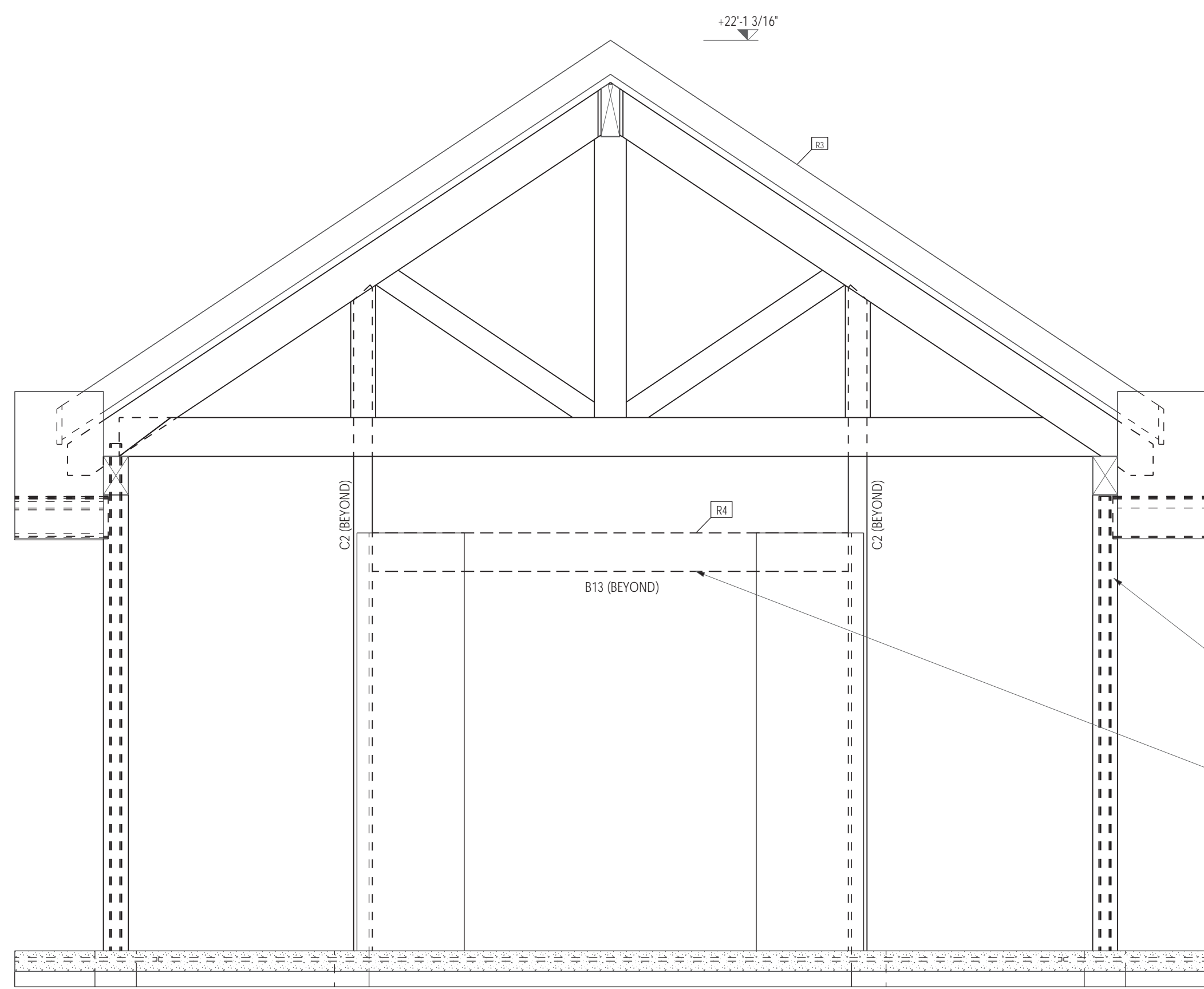
DRAWN BY: ANW CHECKED BY: ILW  
DATE: MAY 2022 DRWG. NO: **S05**  
JOB NO: WEL2224



1 ENLARGED AIR SIDE ENTRY VESTIBULE  
S06 SCALE: 3/8" = 1"



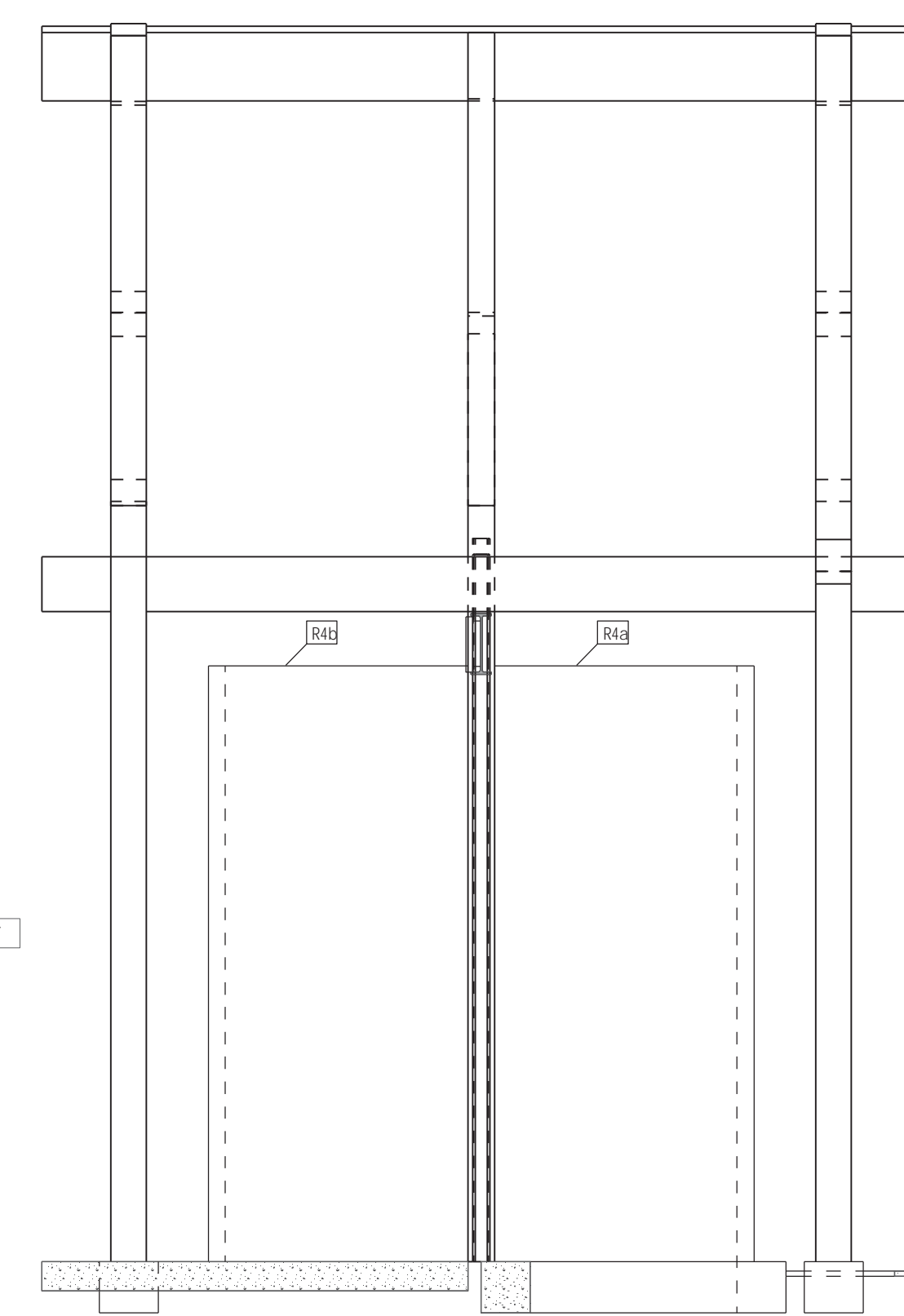
6 SECTION #6 THRU HIGH RIDGE  
S06 SCALE: 1/4" = 1"



2 AIR SIDE ENTRY VESTIBULE ELEVATION  
S06 SCALE: 3/8" = 1"

GLAZING MOMENT FRAME  
SEE DETAIL 5/500C  
SEE SECTION 3/505

B13 IN LINE WITH GLAZING MOMENT FRAME  
PROVIDE P173L BEAM CONNECTION TO COLUMNS



2 AIR SIDE ENTRY VESTIBULE SIDE ELEVATION  
S06 SCALE: 3/8" = 1"

FOR TENDER ONLY

2	FOR TENDER	2022-06-16
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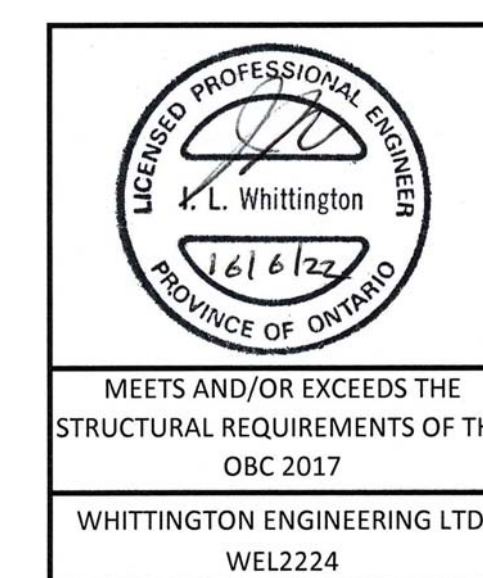
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PROJECT:  
**G.B. TERMINAL CYZE**  
257 AIRPORT ROAD  
GORE BAY, ON

TITLE:  
**SECTIONS 6 / AIR SIDE VESTIBULE**  
DRAWN BY: ANW CHECKED BY: ILW

DATE: MAY 2022 DRWG. No:  
JOB No: WEL2224 **S06**

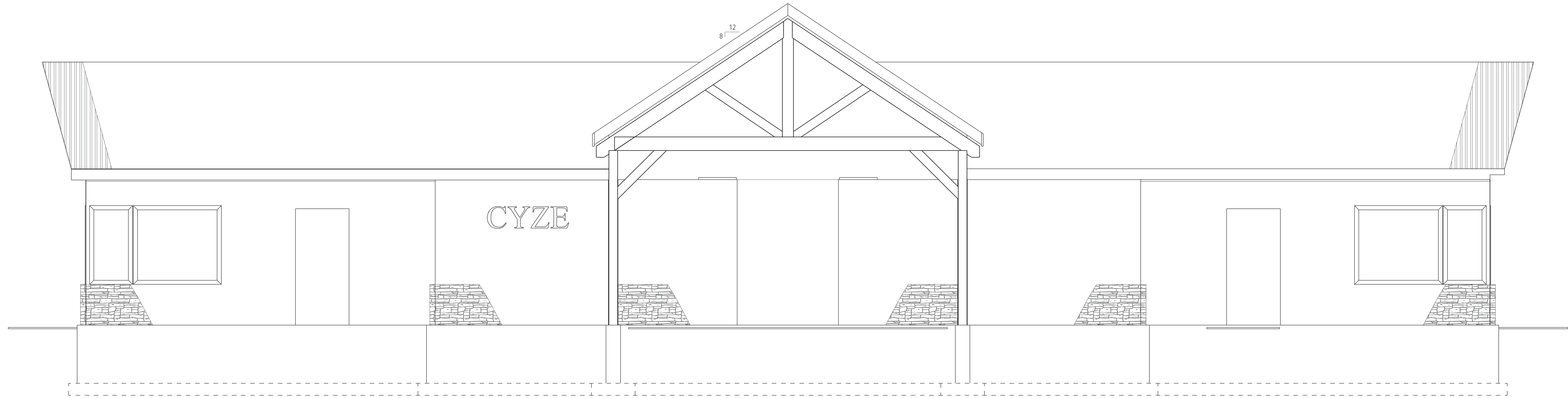




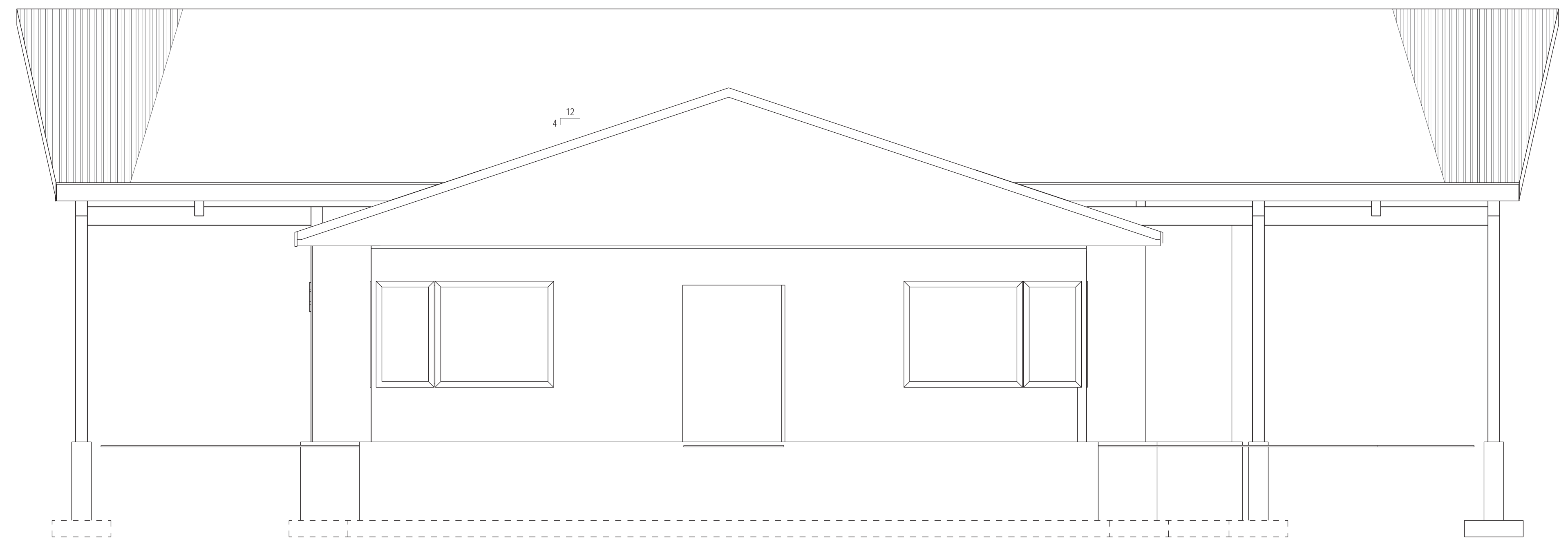
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

A  
B  
C  
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E  
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G  
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J

A  
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H  
I  
J



1 FRONT ELEVATION (GROUND SIDE)  
S07 SCALE: 1/4" = 1'



2 SIDE ELEVATION (GROUND SIDE)  
S07 SCALE: 1/4" = 1'

FOR TENDER ONLY

2	FOR TENDER	2022-06-16
1	FOR APPROVAL	2022-05-19
0	FOR APPROVAL	2022-05-13
REV	ITEM	YYYY-MM-DD

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PROJECT:  
**G.B. TERMINAL CYZE**  
257 AIRPORT ROAD  
GORE BAY, ON

TITLE: **ELEVATIONS**  
DRAWN BY: ANW CHECKED BY: ILW  
DATE: MAY 2022 DRWG. No: **S07**  
JOB No: WEL2224



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15