

DRAWING LIST		
NO.	DWG NAME	ISSUE DATE
S000	COVER PAGE	05/29/24
S011	STRUCTURAL SPECIFICATIONS	2023-09-27
S101	FOUNDATION PLANS	2024-03-20
S111	POST LOCATION PLANS	2024-03-20
S211	SLAB PLANS	2024-03-20
S212	MAIN FLOOR PLANS	2024-03-20
S213	MEZZANINE FLOOR PLANS	2024-03-20
S231	ROOF PLANS	2024-03-20
S301	BUILDING ELEVATIONS	2024-03-20
S401	BUILDING SECTIONS	2024-03-20
S501	DETAILS	2024-03-20
S502	DETAILS	2024-03-20
S503	DETAILS	2024-03-20
S504	DETAILS	2024-03-20

NOTES:
1. MODEL SHOWN FOR VISUAL PURPOSES
ONLY - MAY VARY FROM CONSTRUCTION DRAWINGS

SAFRENE CONSTRUCTION - PROPOSED SHOP & RENTAL UNIT
CONSTRUCTION DOCUMENTS - ISSUED FOR REVIEW

BRANT SAFINUK
LAND DESCRIPTION: BLK/ PAR O-PLAN 102468753 EXT 0, SOURCE QUARTER SECTION: SW-29-17-18-2
RM OF EDENWOLD NO.158

KIRAS

BRANT SAFINUK RETAINED KIRAS ENGINEERING LTD. TO PROVIDE PROFESSIONAL BUILDING DESIGN SERVICES FOR A PROPOSED OFFICE & SHOP BUILDING AND A PROPOSED COMMERCIAL RENTAL UNIT BUILDING WITH APPROXIMATELY 8 UNITS.

THE OFFICE & SHOP BUILDING WILL BE UTILIZED BY SAFRANE CONSTRUCTION LTD. AND WILL INCLUDE A RECEPTION AREA, A BOARDROOM/MEETING ROOM, OFFICE, AND A SHOP FOR VEHICLE AND EQUIPMENT STORAGE. BUILDINGS ARE ASSUMED TO BE DESIGNED AS F-2 MEDIUM HAZARD INDUSTRIAL OCCUPANCIES

\$000

CD-41

1 OF 13

SECTION 03 10 00 - CONCRETE FORMING AND ACCESSORIES

- Part 1: General**
- 1.1 Scope
1. Provide all labor, materials, equipment, and services necessary to complete concrete forming and accessories as specified.
- 1.2 References
1. National Building Code of Canada (NBCC) 2020.
 2. CSA A231-19 Concrete Materials and Methods of Concrete Construction.
 3. CSA A232-19 Test Methods and Standard Practices for Concrete.
 4. Related NMS Specifications:
 1. 03 10 00 - Concrete Reinforcing for reinforcement materials and installation.
 2. 03 20 00 - Cast-in-Place Concrete for concrete placement and finishing.
 3. 03 30 00 - Precast Concrete for precast concrete elements.
 4. 03 40 00 - Grouting for grouting requirements.
- 1.3 Submittals
1. Submit shop drawings for formwork, including details of construction, materials, and accessories.
 2. Provide product data for formwork accessories.
- 1.4 Quality Assurance
1. Formwork design and installation to be performed by qualified personnel.
 2. Mock-ups: Construct mock-ups as required to demonstrate quality of work.
 3. Testing: Perform field tests as required to demonstrate quality of work.
- Part 2: Products**
- 2.1 Finishing Materials
1. Formwork panels: Plywood, steel, or other approved materials capable of producing smooth, uniform surfaces.
 2. Form ties: Adjustable, removable or snap-off ties, designed to prevent offsets and maintain alignment.
- 2.2 Formwork Accessories
1. Form releases: Agent Non-shaling, non-residual, and compatible with concrete.
 2. Chaffer strips: Wood, metal, or PVC, to provide beveled edges on exposed concrete corners.
- Part 3: Execution**
- 3.1 Installation
1. Erect formwork to shapes, lines, and dimensions indicated on the drawings.
 2. Ensure formwork is clean and free of debris before placing concrete.
 3. Apply form release agent uniformly to form surfaces.
- 3.2 Form Removal
1. Remove formwork without damaging concrete surfaces.
- 3.3 Finishing
1. Treat concrete surfaces to comply with CSA A231-19 requirements.
- 3.4 Cleaning and Protection
1. Clean formwork surfaces for reuse.
 2. Protect adjacent surfaces from damage during formwork removal.

End of Section

SECTION 03 11 19 - INSULATING CONCRETE FORMING

- Part 1: General**
- 1.1 Scope
1. Provide all labor, materials, equipment, and services necessary to complete insulating concrete forming as specified.
- 1.2 References
1. National Building Code of Canada (NBCC) 2020.
 2. CSA A231-19 Concrete Materials and Methods of Concrete Construction.
 3. CSA A232-19 Test Methods and Standard Practices for Concrete.
 4. CSA S301-Standard for Thermal Insulation, Polyethylene, Boards and Pipe Covering.
 5. Related NMS Specifications:
 1. 03 20 00 - Concrete Reinforcing for reinforcement materials and installation.
 2. 03 30 00 - Cast-in-Place Concrete for concrete placement and finishing.
 3. 03 40 00 - Grouting for grouting requirements.
- 1.3 Submittals
1. Submit shop drawings for insulating concrete forms (ICFs), including details of construction, materials, and accessories.
 2. Provide product data for ICF systems and accessories.
- 1.4 Quality Assurance
1. ICF design and installation to be performed by qualified personnel.
 2. Mock-ups: Construct mock-ups as required to demonstrate quality of work.
 3. Testing: Perform field tests as required to demonstrate quality of work.
- Part 2: Products**
- 2.1 Insulating Concrete Forms (ICFs)
1. Form units: Expanded polystyrene (EPS) or extruded polystyrene (XPS) foam blocks or panels, interlocking, and capable of providing continuous insulation.
 2. Thermal Resistance (R-value): Minimum 8.5 per inch.
 3. Compressive Strength: Minimum 140 kPa (10 psi) for XPS, 100 kPa for EPS.
 4. Thickness: As indicated on drawings.
- 2.2 Accessories
1. Form ties: Plastic or metal ties designed to maintain alignment and prevent deflection.
 2. Form releases: Agent Non-shaling, non-residual, and compatible with concrete.
 3. Reinforcement: As specified in Section 03 20 00 - Concrete Reinforcing.
- Part 3: Execution**
- 3.1 Installation
1. Erect ICF walls, lines, and dimensions indicated on the drawings.
 2. Ensure ICFs are clean and free of debris before placing concrete.
 3. Apply form release agent uniformly to form surfaces.
 4. Install reinforcement as specified in Section 03 20 00 - Concrete Reinforcing.
- 3.2 Concrete Placement
1. Place concrete in accordance with Section 03 30 00 - Cast-in-Place Concrete.
 2. Ensure proper consolidation of concrete within ICFs to avoid voids and honeycombing.
- 3.3 Form Removal
1. Remove forms without damaging concrete surfaces.
- 3.4 Finishing
1. Clean ICF materials for reuse where applicable.
 2. Protect adjacent surfaces from damage during formwork removal.

End of Section

SECTION 03 20 00 - CONCRETE REINFORCING

- Part 1: General**
- 1.1 Scope
1. Provide all labor, materials, equipment, and services necessary to complete concrete reinforcing as specified.
- 1.2 References
1. National Building Code of Canada (NBCC) 2020.
 2. CSA A231-19 Concrete Materials and Methods of Concrete Construction.
 3. CSA A232-19 Test Methods and Standard Practices for Concrete.
 4. CSA C308-18 Carbon Steel Bars for Concrete Reinforcement.
 5. Related NMS Specifications:
 1. 03 10 00 - Concrete Forming and Accessories for formwork requirements.
 2. 03 30 00 - Cast-in-Place Concrete for concrete placement and finishing.
 3. 03 40 00 - Precast Concrete for precast concrete elements.
- 1.3 Submittals
1. Submit shop drawings for reinforcing steel, including details of bar placement, bending, and splicing.
 2. Provide product data for reinforcing materials and accessories.
- 1.4 Quality Assurance
1. Reinforcing steel fabrication and installation to be performed by qualified personnel.
 2. Mock-ups: Construct mock-ups as required to demonstrate quality of work.
 3. Testing: Perform field tests as required to demonstrate quality of work.
- Part 2: Products**
- 2.1 Reinforcing Materials
1. Reinforcing bars: Deformed steel bars conforming to CSA C308-18.
 2. Welded wire fabric: Conforming to CSA C308.5.
 3. Bar supports: Plastic or metal chairs, spacers, and ties as required to maintain position and cover.
- 2.2 Accessories
1. Submit product data for steel reinforcement materials, including application instructions.
 2. Mechanical splices: As approved, conforming to CSA A23.3.
 3. Epoxy coating: Where specified, conforming to CSA C308.18.
- Part 3: Execution**
- 3.1 Fabrication
1. Fabricate reinforcing steel in accordance with CSA A23.1 and the approved shop drawings.
 2. Bend bars to the shapes indicated on the drawings.
- 3.2 Installation
1. Place reinforcing steel accurately in the positions indicated on the drawings.
 2. Secure reinforcing steel with ties, chairs, spacers, and other supports to prevent displacement during concrete placement.
 3. Maintain specified concrete cover to reinforcement.
- 3.3 Splicing
1. Splice reinforcing bars only where indicated on the drawings or approved by the Engineer.
 2. Use mechanical splices or lap splices as specified.
- 3.4 Inspection
1. Inspect reinforcing steel placement for compliance with specifications and drawings before concrete placement.
 2. Correct any deficiencies before proceeding with concrete placement.
- 3.5 Cleaning and Protection
1. Clean reinforcing steel of loose rust, mill scale, dirt, and other contaminants before placing concrete.
 2. Protect installed reinforcing steel from damage during construction.

End of Section

SECTION 03 30 00 - CAST-IN-PLACE CONCRETE

- Part 1: General**
- 1.1 Scope
1. Provide all labor, materials, equipment, and services necessary to complete cast-in-place concrete as specified.
- 1.2 References
1. National Building Code of Canada (NBCC) 2020.
 2. CSA A231-19 Concrete Materials and Methods of Concrete Construction.
 3. CSA A232-19 Test Methods and Standard Practices for Concrete.
 4. CSA A233-19 Design of Concrete Structures.
 5. Related NMS Specifications:
 1. 03 10 00 - Concrete Forming and Accessories for formwork requirements.
 2. 03 20 00 - Concrete Reinforcing for reinforcement materials and installation.
 3. 03 40 00 - Precast Concrete for precast concrete elements.
- 1.3 Submittals
1. Submit mix designs for each class of concrete, including proportions, admixtures, and test results.
 2. Provide product data for concrete materials and admixtures.
 3. Submit test reports for concrete strength and other specified properties.
- 1.4 Quality Assurance
1. Concrete work to be performed by qualified personnel.
 2. Mock-ups: Construct mock-ups as required to demonstrate quality of work.
 3. Testing: Perform field tests as required to verify concrete properties.
- Part 2: Products**
- 2.1 Concrete Materials
1. Cement: Portland cement conforming to CSA A300.1.
 2. Aggregates: Conforming to CSA A23.1.
 3. Water: Clean and potable, free from harmful substances.
 4. Admixtures: As approved, conforming to CSA A23.1.
- 2.2 Concrete Mixes
1. Mix design: Proportioned to achieve specified strength, workability, and durability.
 2. Strength: Minimum compressive strength as indicated on drawings.
 3. Shrink: As specified, to ensure proper placement and curing.
- Part 3: Execution**
- 3.1 Preparation
1. Verify that formwork, reinforcement, and embedded items are correctly placed and secure.
 2. Ensure surfaces are clean, free of debris, and properly prepared before concrete placement.
- 3.2 Placing Concrete
1. Place concrete in accordance with CSA A23.1 and the approved mix design.
 2. Deposit concrete continuously to avoid cold joints.
 3. Consolidate concrete using appropriate methods to eliminate voids and ensure proper compaction.
- 3.3 Finishing
1. Finish concrete surfaces as specified, using approved methods and tools.
 2. Apply curing methods to maintain moisture and temperature conditions for proper hydration and strength development.
- 3.4 Inspection
1. Verify that formwork, reinforcement, and embedded items are correctly placed and secure.
 2. Ensure surfaces are clean, free of debris, and properly prepared before concrete placement.
- 3.5 Cleaning and Protection
1. Clean up debris and waste materials from formwork during construction.
 2. Protect installed insulation from damage during construction.

SECTION 03 35 00 - CONCRETE FINISHING

- Part 1: General**
- 1.1 Scope
1. Provide all labor, materials, equipment, and services necessary to complete concrete finishing as specified.
- 1.2 References
1. National Building Code of Canada (NBCC) 2020.
 2. CSA A231-19 Concrete Materials and Methods of Concrete Construction.
 3. CSA A232-19 Test Methods and Standard Practices for Concrete.
 4. Related NMS Specifications:
 1. 03 10 00 - Concrete Forming and Accessories for formwork requirements.
 2. 03 20 00 - Concrete Reinforcing for reinforcement materials and installation.
 3. 03 30 00 - Precast Concrete for precast concrete elements.
 4. 03 40 00 - Grouting for grouting requirements.
- 1.3 Submittals
1. Submit product data for finishing materials and tools.
 2. Provide samples of finished concrete surfaces if required.
- 1.4 Quality Assurance
1. Concrete finishing to be performed by qualified personnel.
 2. Mock-ups: Construct mock-ups as required to demonstrate quality of work.
 3. Testing: Perform field tests as required to verify surface finish quality.
- Part 2: Products**
- 2.1 Finishing Materials
1. Curing compounds: Conforming to CSA A23.1.
 2. Sealers and hardeners: As approved, compatible with concrete.
- 2.2 Tools and Equipment
1. Finishing tools: Trowels, floats, edgers, and other tools as required for specified finishes.
 2. Mechanical equipment: Power trowels, screeds, and other equipment as necessary.
- Part 3: Execution**
- 3.1 Preparation
1. Verify that concrete surfaces are properly prepared and free of debris.
 2. Ensure that formwork and reinforcement are secure and correctly placed.
- 3.2 Placing Concrete
1. Place concrete in accordance with Section 03 30 00 - Cast-in-Place Concrete.
 2. Begin finishing operations immediately after concrete placement and consolidation.
 3. Use appropriate tools and techniques to achieve specified finishes.
- 3.3 Finishing Methods
1. Trowel Finishes: Apply trowel finishes to interior slabs as specified.
 2. Sheet Finishes: Apply sheet finish to exterior walls and surfaces as specified.
 3. Screen Finishes: Apply broom finish to exterior walkways and ramps as specified.
 4. Exposed Aggregate Finishes: Apply exposed aggregate finishes where indicated on drawings.
- 3.4 Curing and Protection
1. Cure concrete surfaces in accordance with CSA A23.1 requirements.
 2. Protect finished surfaces from damage due to weather, construction activities, and other factors.
- 3.5 Testing and Inspection
1. Inspect finished concrete surfaces for compliance with specifications and drawings.
 2. Perform field tests for surface hardness, finish, and other specified properties.
- 3.6 Repair and Patching
1. Repair any defects in finished concrete surfaces as directed by the Engineer.
 2. Use approved materials and methods for patching and repair.

End of Section

SECTION 03 35 46 - CONCRETE TYPICAL TREATMENTS

- Part 1: General**
- 1.1 Scope
1. Provide all labor, materials, equipment, and services necessary to complete concrete typical treatments as specified.
- 1.2 References
1. National Building Code of Canada (NBCC) 2020.
 2. CSA A231-19 Concrete Materials and Methods of Concrete Construction.
 3. CSA A232-19 Test Methods and Standard Practices for Concrete.
 4. Related NMS Specifications:
 1. 03 10 00 - Concrete Forming and Accessories for formwork requirements.
 2. 03 20 00 - Concrete Reinforcing for reinforcement materials and installation.
 3. 03 30 00 - Cast-in-Place Concrete for concrete placement and finishing.
 4. 03 40 00 - Grouting for grouting requirements.
- 1.3 Submittals
1. Form units: Expanded polystyrene (EPS) or extruded polystyrene (XPS) foam blocks or panels, interlocking, and capable of providing continuous insulation.
 2. Thermal Resistance (R-value): Minimum 8.5 per inch.
 3. Compressive Strength: Minimum 140 kPa (10 psi) for XPS, 100 kPa for EPS.
 4. Thickness: As indicated on drawings.
- 2.2 Accessories
1. Form ties: Plastic or metal ties designed to maintain alignment and prevent deflection.
 2. Form releases: Agent Non-shaling, non-residual, and compatible with concrete.
 3. Reinforcement: As specified in Section 03 20 00 - Concrete Reinforcing.
- Part 3: Execution**
- 3.1 Installation
1. Erect ICF walls, lines, and dimensions indicated on the drawings.
 2. Ensure ICFs are clean and free of debris before placing concrete.
 3. Apply form release agent uniformly to form surfaces.
 4. Install reinforcement as specified in Section 03 20 00 - Concrete Reinforcing.
- 3.2 Concrete Placement
1. Place concrete in accordance with Section 03 30 00 - Cast-in-Place Concrete.
 2. Ensure proper consolidation of concrete within ICFs to avoid voids and honeycombing.
- 3.3 Form Removal
1. Remove forms without damaging concrete surfaces.
- 3.4 Finishing
1. Clean ICF materials for reuse where applicable.
 2. Protect adjacent surfaces from damage during formwork removal.

End of Section

SECTION 06 05 73 - WOOD TREATMENT

- Part 1: General**
- 1.1 Scope
1. Provide all labor, materials, equipment, and services necessary to complete wood treatment as specified.
- 1.2 References
1. National Building Code of Canada (NBCC) 2020.
 2. CSA A231-19 Concrete Materials and Methods of Concrete Construction.
 3. CSA A232-19 Test Methods and Standard Practices for Concrete.
 4. CSA C308-18 Carbon Steel Bars for Concrete Reinforcement.
 5. Related NMS Specifications:
 1. 03 10 00 - Concrete Forming and Accessories for formwork requirements.
 2. 03 30 00 - Cast-in-Place Concrete for concrete placement and finishing.
 3. 03 40 00 - Precast Concrete for precast concrete elements.
- 1.3 Submittals
1. Submit shop drawings for reinforcing steel, including details of bar placement, bending, and splicing.
 2. Provide product data for reinforcing materials and accessories.
- 1.4 Quality Assurance
1. Reinforcing steel fabrication and installation to be performed by qualified personnel.
 2. Mock-ups: Construct mock-ups as required to demonstrate quality of work.
 3. Testing: Perform field tests as required to demonstrate quality of work.
- Part 2: Products**
- 2.1 Reinforcing Materials
1. Reinforcing bars: Deformed steel bars conforming to CSA C308-18.
 2. Welded wire fabric: Conforming to CSA C308.5.
 3. Bar supports: Plastic or metal chairs, spacers, and ties as required to maintain position and cover.
- 2.2 Accessories
1. Submit product data for steel reinforcement materials, including application instructions.
 2. Mechanical splices: As approved, conforming to CSA A23.3.
 3. Epoxy coating: Where specified, conforming to CSA C308.18.
- Part 3: Execution**
- 3.1 Fabrication
1. Fabricate reinforcing steel in accordance with CSA A23.1 and the approved shop drawings.
 2. Bend bars to the shapes indicated on the drawings.
- 3.2 Installation
1. Place reinforcing steel accurately in the positions indicated on the drawings.
 2. Secure reinforcing steel with ties, chairs, spacers, and other supports to prevent displacement during concrete placement.
 3. Maintain specified concrete cover to reinforcement.
- 3.3 Splicing
1. Splice reinforcing bars only where indicated on the drawings or approved by the Engineer.
 2. Use mechanical splices or lap splices as specified.
- 3.4 Inspection
1. Inspect reinforcing steel placement for compliance with specifications and drawings before concrete placement.
 2. Correct any deficiencies before proceeding with concrete placement.
- 3.5 Cleaning and Protection
1. Clean reinforcing steel of loose rust, mill scale, dirt, and other contaminants before placing concrete.
 2. Protect installed reinforcing steel from damage during construction.

End of Section

SECTION 06 10 10 - MISCELLANEOUS ROUGH CARPENTRY

- Part 1: General**
- 1.1 Scope
1. Provide all labor, materials, equipment, and services necessary to complete miscellaneous rough carpentry as specified.
- 1.2 References
1. National Building Code of Canada (NBCC) 2020.
 2. CSA A231-19 Concrete Materials and Methods of Concrete Construction.
 3. CSA A232-19 Test Methods and Standard Practices for Concrete.
 4. CSA A233-19 Design of Concrete Structures.
 5. Related NMS Specifications:
 1. 03 10 00 - Concrete Forming and Accessories for formwork requirements.
 2. 03 20 00 - Concrete Reinforcing for reinforcement materials and installation.
 3. 03 40 00 - Precast Concrete for precast concrete elements.
- 1.3 Submittals
1. Submit mix designs for each class of concrete, including proportions, admixtures, and test results.
 2. Provide product data for concrete materials and admixtures.
 3. Submit test reports for concrete strength and other specified properties.
- 1.4 Quality Assurance
1. Concrete work to be performed by qualified personnel.
 2. Mock-ups: Construct mock-ups as required to demonstrate quality of work.
 3. Testing: Perform field tests as required to verify concrete properties.
- Part 2: Products**
- 2.1 Concrete Materials
1. Cement: Portland cement conforming to CSA A300.1.
 2. Aggregates: Conforming to CSA A23.1.
 3. Water: Clean and potable, free from harmful substances.
 4. Admixtures: As approved, conforming to CSA A23.1.
- 2.2 Concrete Mixes
1. Mix design: Proportioned to achieve specified strength, workability, and durability.
 2. Strength: Minimum compressive strength as indicated on drawings.
 3. Shrink: As specified, to ensure proper placement and curing.
- Part 3: Execution**
- 3.1 Preparation
1. Verify that formwork, reinforcement, and embedded items are correctly placed and secure.
 2. Ensure surfaces are clean, free of debris, and properly prepared before concrete placement.
- 3.2 Placing Concrete
1. Place concrete in accordance with CSA A23.1 and the approved mix design.
 2. Deposit concrete continuously to avoid cold joints.
 3. Consolidate concrete using appropriate methods to eliminate voids and ensure proper compaction.
- 3.3 Finishing
1. Finish concrete surfaces as specified, using approved methods and tools.
 2. Apply curing methods to maintain moisture and temperature conditions for proper hydration and strength development.
- 3.4 Inspection
1. Verify that formwork, reinforcement, and embedded items are correctly placed and secure.
 2. Ensure surfaces are clean, free of debris, and properly prepared before concrete placement.
- 3.5 Cleaning and Protection
1. Clean up debris and waste materials from formwork during construction.
 2. Protect installed insulation from damage during construction.

End of Section

SECTION 07 21 29 - SPRAYED INSULATION

- Part 1: General**
- 1.1 Scope
1. Provide all labour, materials, equipment, and services necessary to supply and install sprayed insulation as specified.
- 1.2 References
1. National Building Code of Canada (NBCC) 2020.
 2. CANULC S301-3 Standard for Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density - Material Specifications
 3. ASTM C1029- Standard for Spray-Applied Rigid Cellular Polyurethane Thermal Insulation
 4. Related NMS Specifications:
 1. 06 10 10 - Miscellaneous Rough Carpentry for structural framing and supports.
 2. 07 21 00 - Thermal Insulation for general thermal insulation requirements.
 3. 07 21 00 - Air Barriers for air barrier requirements.
- 1.3 Submittals
1. Submit product data for finish carpentry materials, including lumber, trim, and fasteners.
 2. Provide samples of sprayed insulation if required.
- 1.4 Quality Assurance
1. Sprayed insulation work to be performed by qualified personnel.
 2. Mock-ups: Construct mock-ups as required to demonstrate quality of work.
 3. Testing: Perform field tests as required to verify material properties and installation quality.
- Part 2: Products**
- 2.1 Materials
1. Type: Closed-cell or open-cell spray polyurethane foam (SPF) insulation.
 2. Sealers and hardeners: As approved, compatible with concrete.
- 2.2 Accessories
1. Vapor Retarders: As specified, compatible with material and other materials.
 2. Adhesives: Compatible with insulation and substrates.
 3. Protective Coatings: As required for fire resistance or UV protection.
- Part 3: Execution**
- 3.1 Preparation
1. Verify that substrates and conditions are ready to receive sprayed insulation.
 2. Ensure surfaces are clean, dry, and free of contaminants.
- 3.2 Installation
1. Install sprayed insulation in accordance with manufacturers' instructions.
 2. Inspect insulation for compliance with specifications.
 3. Test insulation tightness and penetration for air leakage and moisture.
 4. Apply protective coatings as required.
- 3.3 Inspection
1. Inspect insulation installation for damage during construction.
 2. Ensure insulation remains dry and free from exposure to harmful substances.
- 3.4 Testing and Inspection
1. Inspect insulation installation for compliance with specifications.
 2. Correct any deficiencies before proceeding with subsequent work.
- 3.5 Cleaning and Protection
1. Clean up debris and waste materials from insulation installation.
 2. Protect installed insulation from damage during construction.

End of Section

SECTION 07 26 10 - VAPOUR RETARDERS

- Part 1: General**
- 1.1 Scope
1. Provide all labour, materials, equipment, and services necessary to supply and install vapour retarders as specified.
- 1.2 References
1. National Building Code of Canada (NBCC) 2020.
 2. CANULC S301-3 Standard for Thermal Insulation, Polyethylene, Boards and Pipe Covering.
 3. ASTM D1986- Standard Test Method for Water Vapor Transmission of Materials.
 4. Related NMS Specifications:
 1. 06 10 10 - Miscellaneous Rough Carpentry for structural framing and supports.
 2. 07 21 00 - Thermal Insulation for general thermal insulation requirements.
 3. 07 21 00 - Air Barriers for air barrier requirements.
- 1.3 Submittals
1. Submit product data for vapour retarder materials, including installation instructions.
 2. Provide samples of vapour retarders if required.
- 1.4 Quality Assurance
1. Vapour retarder work to be performed by qualified personnel.
 2. Mock-ups: Construct mock-ups as required to demonstrate quality of work.
 3. Testing: Perform field tests as required to verify material properties and installation quality.
- Part 2: Products**
- 2.1 Treatments
1. Sealers: Penetrating air-film forming sealers as specified, compatible with concrete surfaces.
 2. Hardeners: Chemical hardeners to increase surface hardness and durability.
 3. Desulfurizers: Silicate-based desulfurizers to improve surface density and resistance to wear.
 4. Stains and Dyes: Color treatments for aesthetic purposes, compatible with concrete surfaces.
- 2.2 Accessories
1. Application tools: Brushes, rollers, sprayers, and other tools as required for specified treatments.
 2. Cleaning agents: As recommended by treatment manufacturer, compatible with concrete surfaces.
- Part 3: Execution**
- 3.1 Preparation
1. Verify that concrete surfaces are properly cured, clean, and free of contaminants.
 2. Ensure that formwork and reinforcement are secure and correctly placed.
- 3.2 Application of Liquid Treatments
1. Apply liquid treatments in accordance with manufacturers' instructions and CSA A23.1 requirements.
 2. Ensure uniform coverage and penetration of treatments.
- 3.3 Finishing
1. Allow sufficient drying and curing time as specified by the manufacturer.
 2. Protect adjacent surfaces from damage during formwork removal.

End of Section

SECTION 07 53 - SHOP FABRICATED WOOD TRUSSES

- Part 1: General**
- 1.1 Scope
1. Provide all labor, materials, equipment, and services necessary to complete shop fabricated wood trusses as specified.
- 1.2 References
1. National Building Code of Canada (NBCC) 2020.
 2. CSA A231-19 Concrete Materials and Methods of Concrete Construction.
 3. CSA A232-19 Test Methods and Standard Practices for Concrete.
 4. CSA S301-18 Carbon Steel Bars for Concrete Reinforcement.
 5. Related NMS Specifications:
 1. 06 10 10 - Miscellaneous Rough Carpentry for structural framing and supports.
 2. 06 10 10 - Miscellaneous Rough Carpentry for structural framing and supports.
 3. 06 20 00 - Finish Carpentry for interior and exterior finish carpentry.
- 1.3 Submittals
1. Submit shop drawings for wood trusses, including details of design, fabrication, and installation.
 2. Provide product data for truss materials and connectors.
 3. Submit test reports for truss material strength and other specified properties.
- 1.4 Quality Assurance
1. Fabricate wood trusses in accordance with CSA A23.1 and the approved shop drawings.
 2. Mock-ups: Construct mock-ups as required to demonstrate quality of work.
 3. Testing: Perform field tests as required to verify truss performance.
- Part 2: Products**
- 2.1 Materials
1. Lumber: Sawnwood lumber conforming to CSA O41, graded and stamped.
 2. Truss Plates: Galvanized steel plates conforming to CSA S301.
 3. Fasteners: Nails, screws, bolts, and other fasteners as required, galvanized or stainless steel for exterior use.
- 2.2 Accessories
1. Metal connectors: Jeld hangers, post bases, and other connectors as required, galvanized or stainless steel for exterior use.
 2. Adhesives: As recommended by manufacturer, compatible with wood and other materials.
- Part 3: Execution**
- 3.1 Preparation
1. Verify that substrates and conditions are ready to receive wood trusses.
 2. Ensure that wood is properly stored and protected from moisture and damage.
- 3.2 Fabrication
1. Fabricate wood trusses in accordance with CSA A23.1 and the approved shop drawings.
 2. Inspect wood trusses for compliance with specifications and drawings.
 3. Test wood trusses where required for additional strength and stability.
- 3.3 Inspection
1. Inspect wood truss work for compliance with specifications and drawings.
 2. Correct any deficiencies before proceeding with subsequent work.
- 3.4 Testing and Inspection
1. Inspect wood truss work for compliance with specifications and drawings.
 2. Correct any deficiencies before proceeding with subsequent work.
- 3.5 Cleaning and Protection
1. Clean up debris and waste materials from rough carpentry work.
 2. Protect installed rough carpentry from damage during construction.

End of Section

SECTION 08 10 10 - AGGREGATES FOR EARTHWORK

- Part 1: General**
- 1.1 Scope
1. Provide all labor, materials, equipment, and services necessary to supply and place aggregates for earthwork as specified.
- 1.2 References
1. National Building Code of Canada (NBCC) 2020.
 2. CSA A231-19 Concrete Materials and Methods of Concrete Construction.
 3. CSA A232-19 Test Methods and Standard Practices for Concrete.
 4. CSA S301-18 Carbon Steel Bars for Concrete Reinforcement.
 5. Related NMS Specifications:
 1. 06 10 10 - Miscellaneous Rough Carpentry for structural framing and supports.
 2. 06 10 10 - Miscellaneous Rough Carpentry for structural framing and supports.
 3. 06 20 00 - Finish Carpentry for interior and exterior finish carpentry.
- 1.3 Submittals
1. Submit shop drawings for wood trusses, including details of design, fabrication, and installation.
 2. Provide product data for truss materials and connectors.
 3. Submit test reports for truss material strength and other specified properties.
- 1.4 Quality Assurance
1. Fabricate wood trusses in accordance with CSA A23.1 and the approved shop drawings.
 2. Mock-ups: Construct mock-ups as required to demonstrate quality of work.
 3. Testing: Perform field tests as required to verify truss performance.
- Part 2: Products**
- 2.1 Materials
1. Lumber: Sawnwood lumber conforming to CSA O41, graded and stamped.
 2. Truss Plates: Galvanized steel plates conforming to CSA S301.
 3. Fasteners: Nails, screws, bolts, and other fasteners as required, galvanized or stainless steel for exterior use.
- 2.2 Accessories
1. Metal connectors: Jeld hangers, post bases, and other connectors as required, galvanized or stainless steel for exterior use.
 2. Adhesives: As recommended by manufacturer, compatible with wood and other materials.
- Part 3: Execution**
- 3.1 Preparation
1. Verify that substrates and conditions are ready to receive wood trusses.
 2. Ensure that wood is properly stored and protected from moisture and damage.
- 3.2 Fabrication
1. Fabricate wood trusses in accordance with CSA A23.1 and the approved shop drawings.
 2. Inspect wood trusses for compliance with specifications and drawings.
 3. Test wood trusses where required for additional strength and stability.
- 3.3 Inspection
1. Inspect wood truss work for compliance with specifications and drawings.
 2. Correct any deficiencies before proceeding with subsequent work.
- 3.4 Testing and Inspection
1. Inspect wood truss work for compliance with specifications and drawings.
 2. Correct any deficiencies before proceeding with subsequent work.
- 3.5 Cleaning and Protection
1. Clean up debris and waste materials from rough carpentry work.
 2. Protect installed rough carpentry from damage during construction.

End of Section

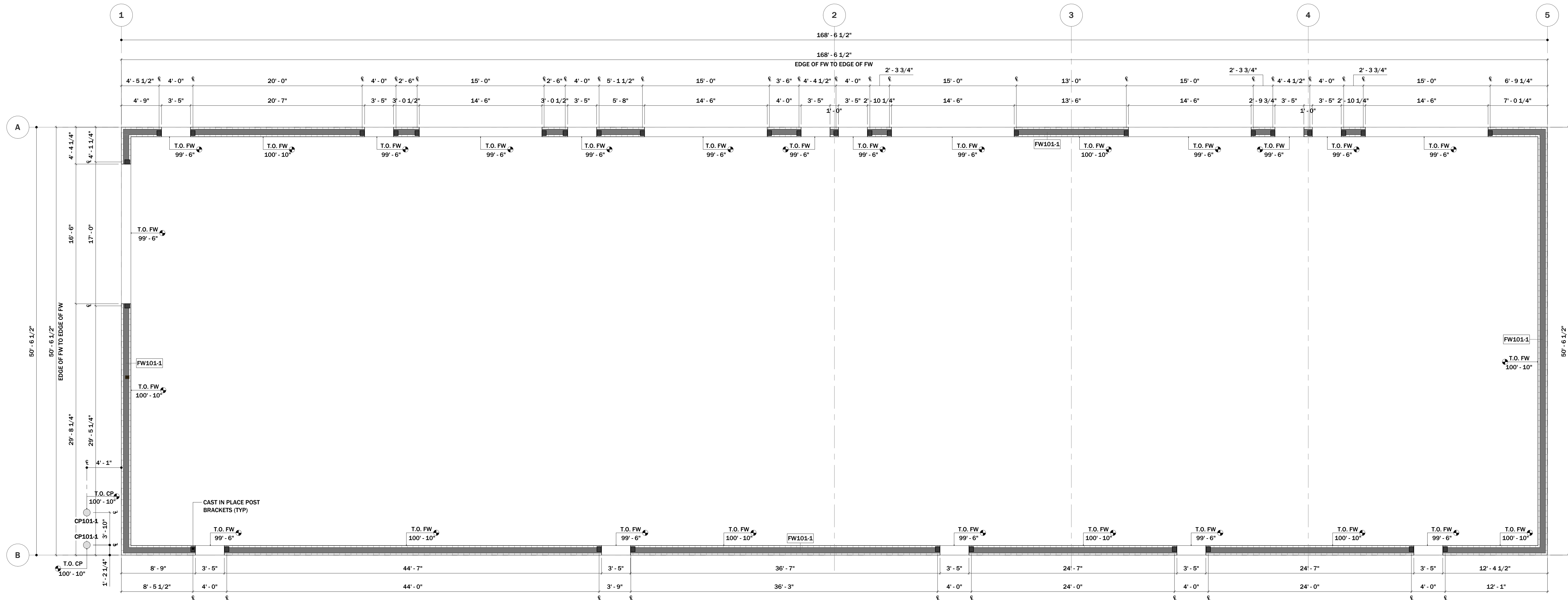
SECTION 08 20 00 - FINISH CARPENTRY

- Part 1: General**
- 1.1 Scope
1. Provide all labor, materials, equipment, and services necessary to complete finish carpentry as specified.
- 1.2 References
1. National Building Code of Canada (NBCC) 2020.
 2. CSA A231-19 Concrete Materials and Methods of Concrete Construction.
 3. CSA A232-19 Test Methods and Standard Practices for Concrete.
 4. CSA S301-18 Carbon Steel Bars for Concrete Reinforcement.
 5. Related NMS Specifications:
 1. 06 10 10 - Miscellaneous Rough Carpentry for structural framing and supports.
 2. 06 10 10 - Miscellaneous Rough Carpentry for structural framing and supports.
 3. 06 20 00 - Finish Carpentry for interior and exterior finish carpentry.
- 1.3 Submittals
1. Submit product data for finish carpentry materials, including lumber, trim, and fasteners.
 2. Provide shop drawings for any temporary shoring or bracing if required.
 3. Submit test reports for joint compaction and other specified properties.
- 1.4 Quality Assurance
1. Finish carpentry work to be performed by qualified personnel.
 2. Mock-ups: Construct mock-ups as required to demonstrate quality of work.
 3. Testing: Perform field tests as required to verify material properties and installation quality.
- Part 2: Products**
- 2.1 Materials
1. Lumber: Sawnwood or hardwood lumber conforming to CSA O41, graded and stamped.
 2. Trim: Mouldings, baseboards, casings, and other trim of like material.
 3. Fasteners: Nails, screws, and other fasteners as required, suitable for interior or exterior use.
- 2.2 Accessories
1. Adhesives: As recommended by manufacturer, compatible with wood and other materials.
 2. Finishes: Stains, paints, varnishes, and other finishes as specified, compatible with wood species and intended use.
- Part 3: Execution**
- 3.1 Preparation
1. Verify that conditions are ready to receive excavating, trenching, and backfilling operations.
 2. Ensure that existing utilities and structures are protected from damage during earthwork.
- 3.2 Excavation
1. Excavate to the lines and grades indicated on the drawings.
 2. Remove and dispose of unsuitable materials as specified.
 3. Provide temporary shoring and bracing as required to ensure safety and stability.
- 3.3 Backfilling and Compaction
1. Place fill and backfill materials in layers and exceeding specified thickness.
 2. Compact each layer to the specified density using appropriate equipment.
 3. Perform field tests to verify compaction and adjust methods as necessary.
- 3.4 Grading
1. Grade the site to the lines and levels indicated on the drawings.
 2. Ensure proper drainage and prevent ponding of water.
- 3.5 Erosion Control
1. Implement erosion control measures as specified to prevent soil erosion and sedimentation.
 2. Maintain erosion control measures throughout the construction period.
- 3.6 Inspection
1. Inspect finish carpentry work for compliance with specifications and drawings.
 2. Correct any deficiencies before proceeding with subsequent work.
- 3.7 Cleaning and Protection
1. Clean up debris and waste materials from finish carpentry work.
 2. Protect installed finish carpentry from damage during construction.

End of Section

SECTION 08 20 00 - EARTHWORK

- Part 1: General**
- 1.1 Scope
1. Provide all labor, materials, equipment, and services necessary to complete earthwork as specified.
- 1.2 References
1. National Building Code of Canada (NBCC) 2020.
 - 2

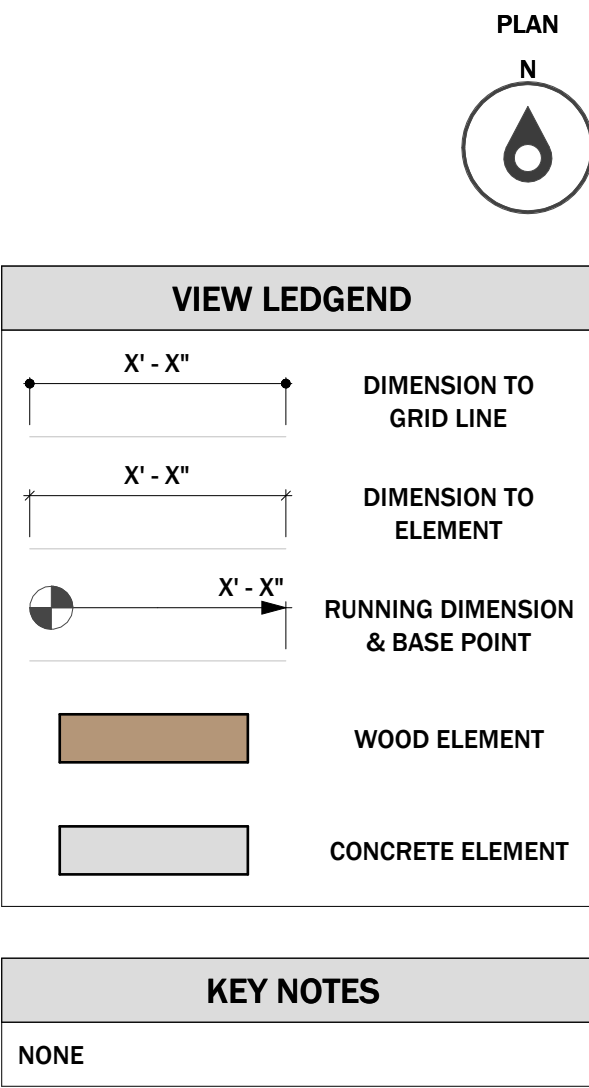


CONCRETE FOOTING (CF) SCHEDULE							
MARK	WIDTH	DEPTH	PRIMARY REINFORCEMENT	SECONDARY REINFORCEMENT	CONCRETE TYPE	COMMENTS	
CF101-1	30"	10"	3 - 15M CONTINUOUS & 10M LATERALS @ 24" O.C.	15M 24" x 8" DOWELS INTO CGB	S-2		
CF101-2	24" x 24"	8"	3 - 10M EACH WAY	NA	S-2		

CONCRETE FROST WALL (FW) SCHEDULE								
MARK	TOTAL THICKNESS	CORE WIDTH	DEPTH	PRIMARY TOP REINFORCEMENT	PRIMARY BOT REINFORCEMENT	SECONDARY REINFORCEMENT	CONCRETE TYPE	COMMENTS
FW101-1	1' - 1 1/2"	8"	4' - 0"	2 - 15M	2 - 15M	1 - 10M PER COURSE STAGGERED & 10M VERTS @ 32" O.C.	F-2	

CONCRETE FOOTING (CF) SCHEDULE						
MARK	WIDTH	DEPTH	PRIMARY REINFORCEMENT	SECONDARY REINFORCEMENT	CONCRETE TYPE	COMMENTS
CF101-1	30"	10"	3 - 15M CONTINUOUS & 10M LATERALS @ 24" O.C.	15M 24" x 8" DOWELS INTO CGB	S-2	
CF101-2	24" x 24"	8"	3 - 10M EACH WAY	NA	S-2	

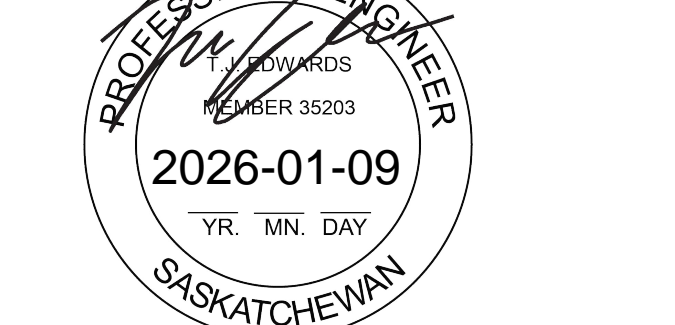
CONCRETE FROST WALL (FW) SCHEDULE								
MARK	TOTAL THICKNESS	CORE WIDTH	DEPTH	PRIMARY TOP REINFORCEMENT	PRIMARY BOT REINFORCEMENT	SECONDARY REINFORCEMENT	CONCRETE TYPE	COMMENTS
FW101-1	1' - 1 1/2"	8"	4' - 0"	2 - 15M	2 - 15M	1 - 10M PER COURSE STAGGERED & 10M VERTS @ 12" O.C.	F-2	



SAFRENE CONSTRUCTION - PROPOSED SHOP & RENTAL UNIT
LAND DESCRIPTION: BLK/PAR O-PLAN 102468753 EXT O
SOURCE QUARTER SECTION: SW-29-17-18-2
RM OF EDENWOLD NO.158

BRANT SAFINUK
1-162 HUSUM RD
RM OF SHERWOOD, SK S4K 0A4

AUTHORIZATION: PERSONAL



VALIDATION



Association of Professional Engineers & Geoscientists
of Saskatchewan

CERTIFICATE OF AUTHORIZATION

Kiras Engineering Ltd.

Number 62228

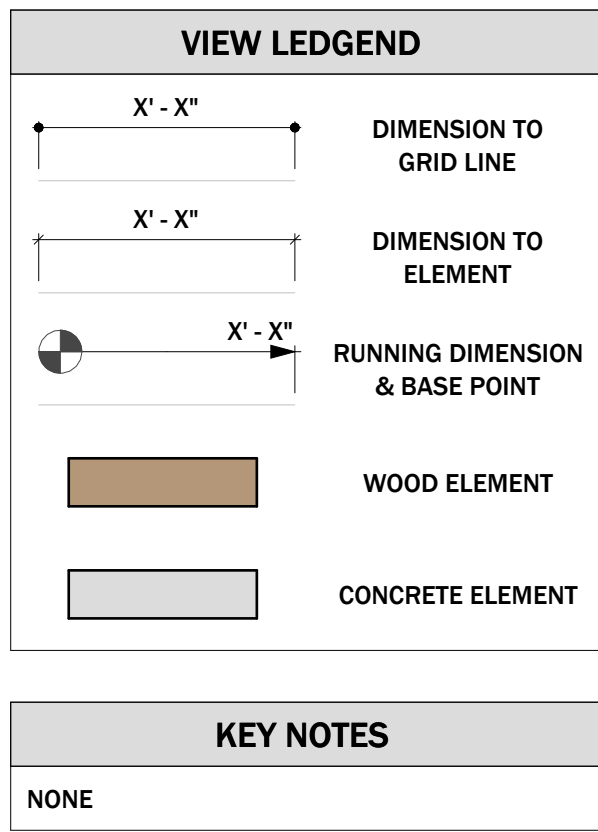
Permission to Consult held by:

Discipline	Sk. Reg. No.	Signature
STRUCT	51629	
BLDG	51629	

PROJECT NO: 24090	SCALE: AS NOTED	PLOT SIZE: 36x48
PROJECT LEAD		TE
PROJECT MANAGER		TE
STRUCTURAL DESIGN LEAD		TE
3D MODELLER		EDR

D-P00

CONCRETE SLAB (CS) SCHEDULE							
MARK	TYPE	THICKNESS	T.O. SLAB ELEVATION	PRIMARY REINFORCEMENT	ADDITIONAL REINFORCEMENT	CONCRETE TYPE	COMMENTS
CS211-1	STRUCTURAL SLAB	6"	100' - 0"	2 MATS OF 10M @ 12" O.C. EACH WAY	ADDITIONAL 10M x 60" @ 12" O.C. PER PLAN	N	
CS211-2	STRUCTURAL SLAB	6"	99' - 11 1/2"	2 MATS OF 10M @ 12" O.C. EACH WAY	NA	C-1	



CD-P00	IFP	2026-01-09	T
CD-A1	IFR	2025-12-12	T
NO.	ISSUED FOR:	ISSUED DATE:	B

ISSUED DRAWINGS
SAFRENE CONSTRUCTION - PROPOSED SHOP & RENTAL
UNIT
LAND DESCRIPTION: BLK/PAR O-PLAN 102468753 EXT 0
SOURCE QUARTER SECTION: SW-29-17-18-2
RM OF EDENWOLD NO.158

BRANT SAFINUK
1-162 HUSUM RD
RM OF SHERWOOD, SK S4K 0A4

AUTHORIZATION

PROFESSIONAL ENGINEER
J. STEWARDS
NUMBER 35203
2026-01-09
YR. MN. DAY
SASKATCHEWAN



VALIDATION

Association of Professional Engineers & Geoscientists
of Saskatchewan

CERTIFICATE OF AUTHORIZATION

Kiras Engineering Ltd.
Number 62228

Permission to Consult held by:

Discipline	Sk. Reg. No.	Signature
STR&T	SI 629	
B L D G	SI 629	

MAIN FLOOR PLANS		
PROJECT NO: 24090	SCALE: AS NOTED	PLOT SIZE: 36x48
PROJECT LEAD		
PROJECT MANAGER		
STRUCTURAL DESIGN LEAD		
BIM MODELLER		

CD-A1

S212

CD-B00

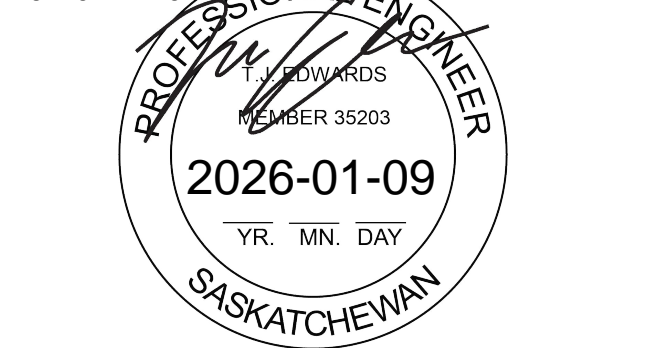


ISSUED DRAWINGS:

SAFRENE CONSTRUCTION - PROPOSED SHOP & RENTAL UNIT
LAND DESCRIPTION: BLK/PAR O-PLAN 102468753 EXT 0
SOURCE QUARTER SECTION: SW-28-17-18-2
RM OF EDENWOLD NO.158

BRANT SAFINUK
1-162 HUSUM RD
RM OF SHERWOOD, SK S4K 0A4

AUTHORIZATION: PERSONAL



VALIDATION

Association of Professional Engineers & Geoscientists
of Saskatchewan

CERTIFICATE OF AUTHORIZATION

Kiras Engineering Ltd.

Number 62228

Permission to Consult held by:

Discipline	Sk. Reg. No.	Signature
<u>STR&T</u>	<u>S1629</u>	<u>[Signature]</u>
<u>B/LDG</u>	<u>S1629</u>	<u>[Signature]</u>

MEZZANINE FLOOR PLANS

PROJECT NO: 24090	SCALE: AS NOTED	PLOT SIZE: 36x48
PROJECT LEAD		
PROJECT MANAGER		
STRUCTURAL DESIGN LEAD		
BIM MODELLER		

CD-A1

S213

CD-PO

WOOD BEAM (WB) SCHEDULE				
MARK	PLYS	SIZE	MATERIAL	COMMENTS
WB213-1	2	11 3/4" x 9 1/2"	2.0E LVL	
WB231-1	3	1 3/4" x 11 3/4"	2.0E LVL	

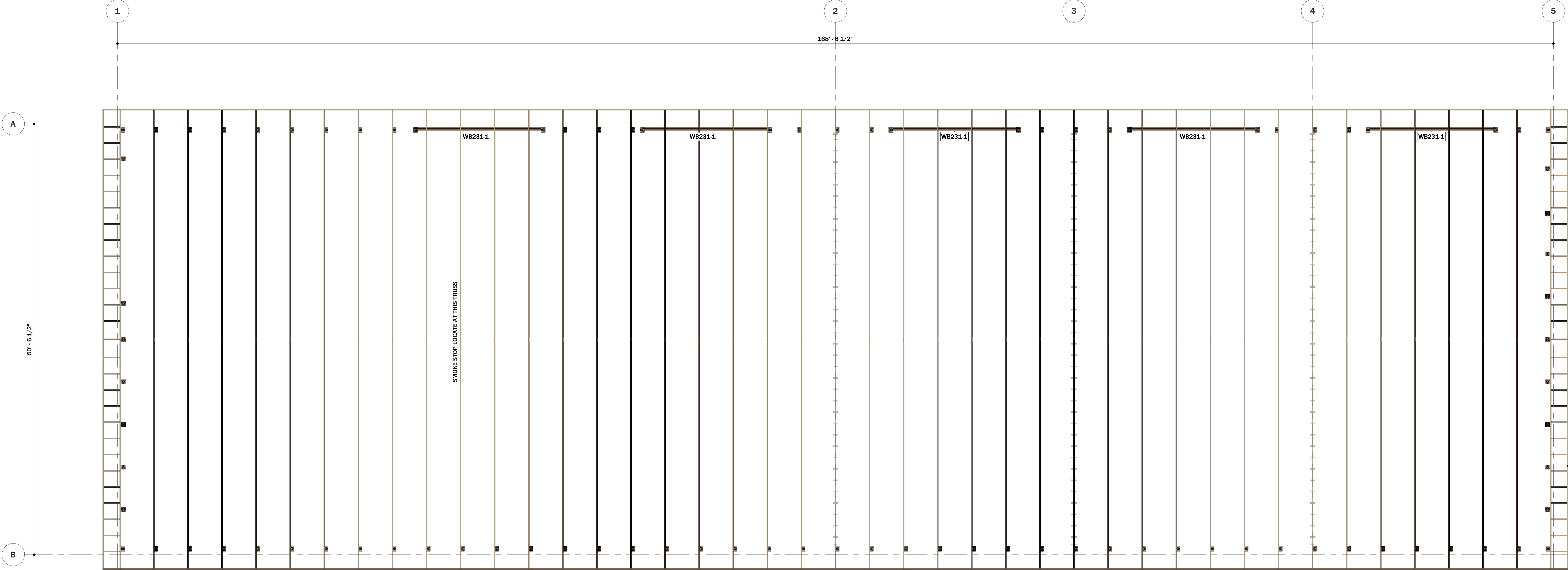
WOOD LEDGER (WLB) SCHEDULE				
TYPE	PLYS	SIZE	MATERIAL	COMMENTS
WLB213-1	1	2 x 12	SPF NO.1/NO.2	
WLB213-2	1	2 x 10	SPF NO.1/NO.2	
WLB213-3	1	2 x 8	PWF	



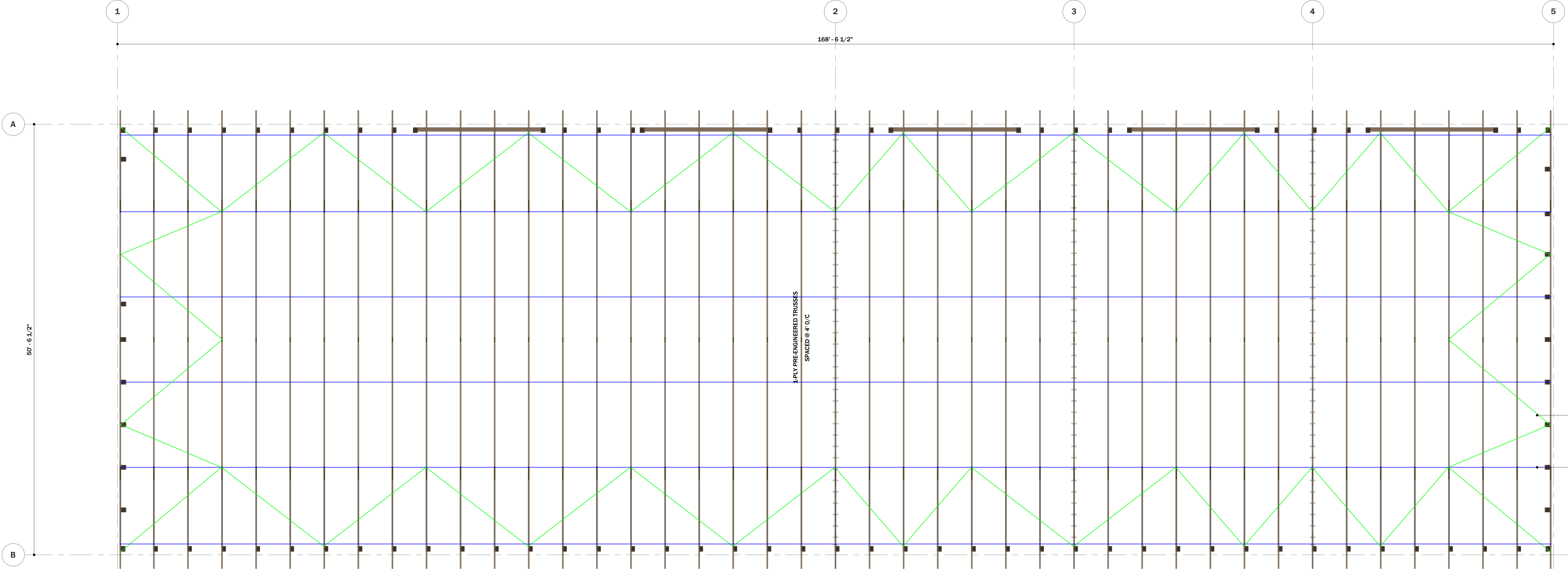
- GENERAL NOTES
- COORDINATE SYSTEMS:**
ALL WORK SHALL COMPLY WITH THE LATEST EDITIONS OF OFFICIALS DRAWING CODES, LOCAL ORDINANCES AND STANDARDS.
 - CONNECTIONS:**
ALL CONNECTIONS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE CANADIAN STANDARD FOR STEEL DESIGN (CAN 3-S16-10) AND THE CANADIAN STANDARD FOR WOOD DESIGN (CAN 3-S16-10).
 - MATERIALS AND WORKMANSHIP:**
ALL MATERIALS AND WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY AND IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE MANUFACTURERS.
 - USE OF MATERIALS:**
ALL MATERIALS SHALL BE USED IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE MANUFACTURERS.
 - CONCRETE:**
CONCRETE SHALL BE USED IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE MANUFACTURERS.
 - WOODWORK:**
WOODWORK SHALL BE USED IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE MANUFACTURERS.
 - FOUNDATION:**
FOUNDATION SHALL BE USED IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE MANUFACTURERS.
 - ROOFING:**
ROOFING SHALL BE USED IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE MANUFACTURERS.
 - CLADDING:**
CLADDING SHALL BE USED IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE MANUFACTURERS.
 - SMOKE STOP:**
SMOKE STOP SHALL BE USED IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE MANUFACTURERS.
 - SAFETY:**
SAFETY SHALL BE USED IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE MANUFACTURERS.
 - USE ACCESS:**
USE ACCESS SHALL BE USED IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE MANUFACTURERS.
 - CHANGES:**
CHANGES SHALL BE USED IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE MANUFACTURERS.
 - COORDINATION:**
COORDINATION SHALL BE USED IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE MANUFACTURERS.
 - INSPECTION:**
INSPECTION SHALL BE USED IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE MANUFACTURERS.
 - QUALITY:**
QUALITY SHALL BE USED IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE MANUFACTURERS.
 - CLASH:**
CLASH SHALL BE USED IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE MANUFACTURERS.
 - GENERAL:**
GENERAL SHALL BE USED IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE MANUFACTURERS.

VIEW LEDGEND	
	DIMENSION TO GRID LINE
	DIMENSION TO ELEMENT
	RUNNING DIMENSION & BASE POINT
	WOOD ELEMENT
	CONCRETE ELEMENT

KEY NOTES	
NONE	



1 ROOF FRAMING PLAN
3/16" = 1'-0"



2 ROOF BRACING PLAN
3/16" = 1'-0"

WOOD BEAM (WB) SCHEDULE				
MARK	PLYS	SIZE	MATERIAL	COMMENTS
WB231-1	2	11 3/4" x 9 1/2"	2.0E LVL	
WB231-2	3	11 3/4" x 11 3/4"	2.0E LVL	

CD P00	IFP	2026-01-09	TE
CD-A1	IFP	2025-12-12	TE
NO.	ISSUED FOR:	ISSUED DATE:	BY:

ISSUED DRAWINGS

SAFRENE CONSTRUCTION - PROPOSED SHOP & RENTAL

UNIT

LAND DESCRIPTION: 16.7741 (5) PLAN 10248703 EXT 0

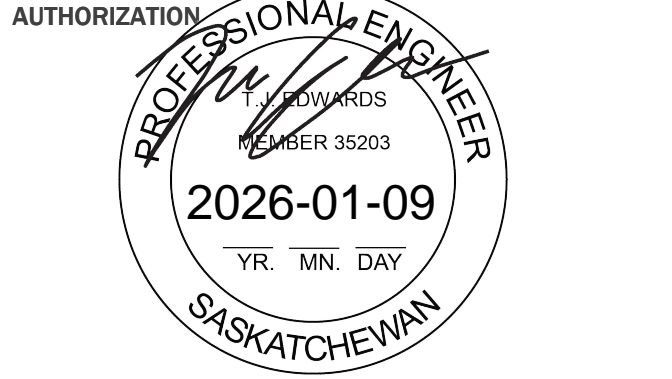
SOURCE QUARTER SECTION: SW 25-17-18-2

RM OF GREENWOLD NO.158

BRANT SAFINUK

1-162 HURON RD

RM OF SHERWOOD, SK S4K 0A4



VALIDATION

CERTIFICATE OF AUTHORIZATION

Association of Professional Engineers & Geoscientists of Saskatchewan

Kiras Engineering Ltd.

Permit to Consult held by:

Discipline: S.E. Reg. No. 51429

Signature: [Signature]

2026-01-09

ROOF PLANS		
PROJECT NO:	SCALE:	PLOT SIZE:
24099	AS NOTED	36x48
PROJECT LEAD		TE
PROJECT MANAGER		TE
STRUCTURAL DESIGN LEAD		TE
BIM MODELLER		EDR

CD-A1

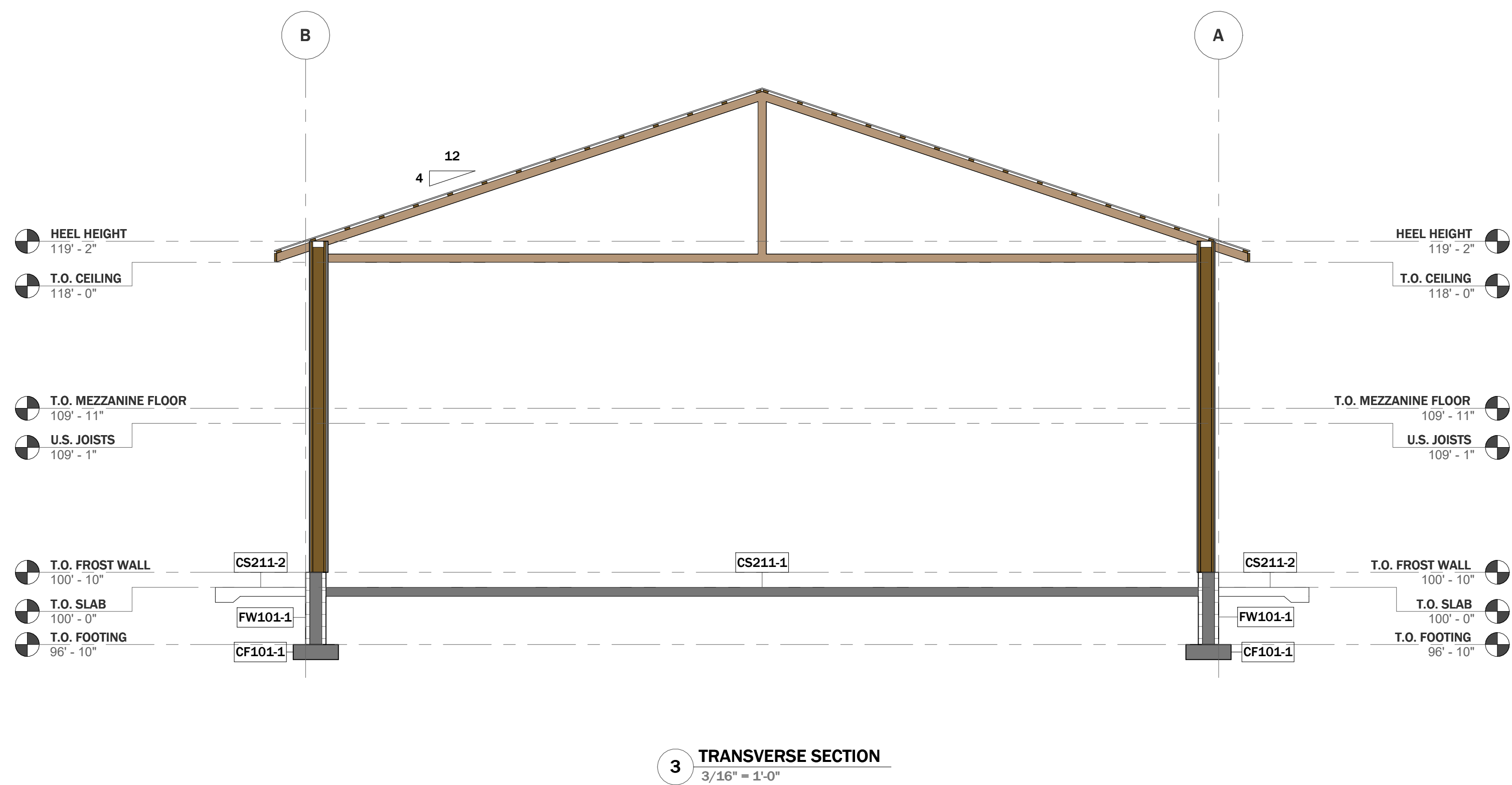
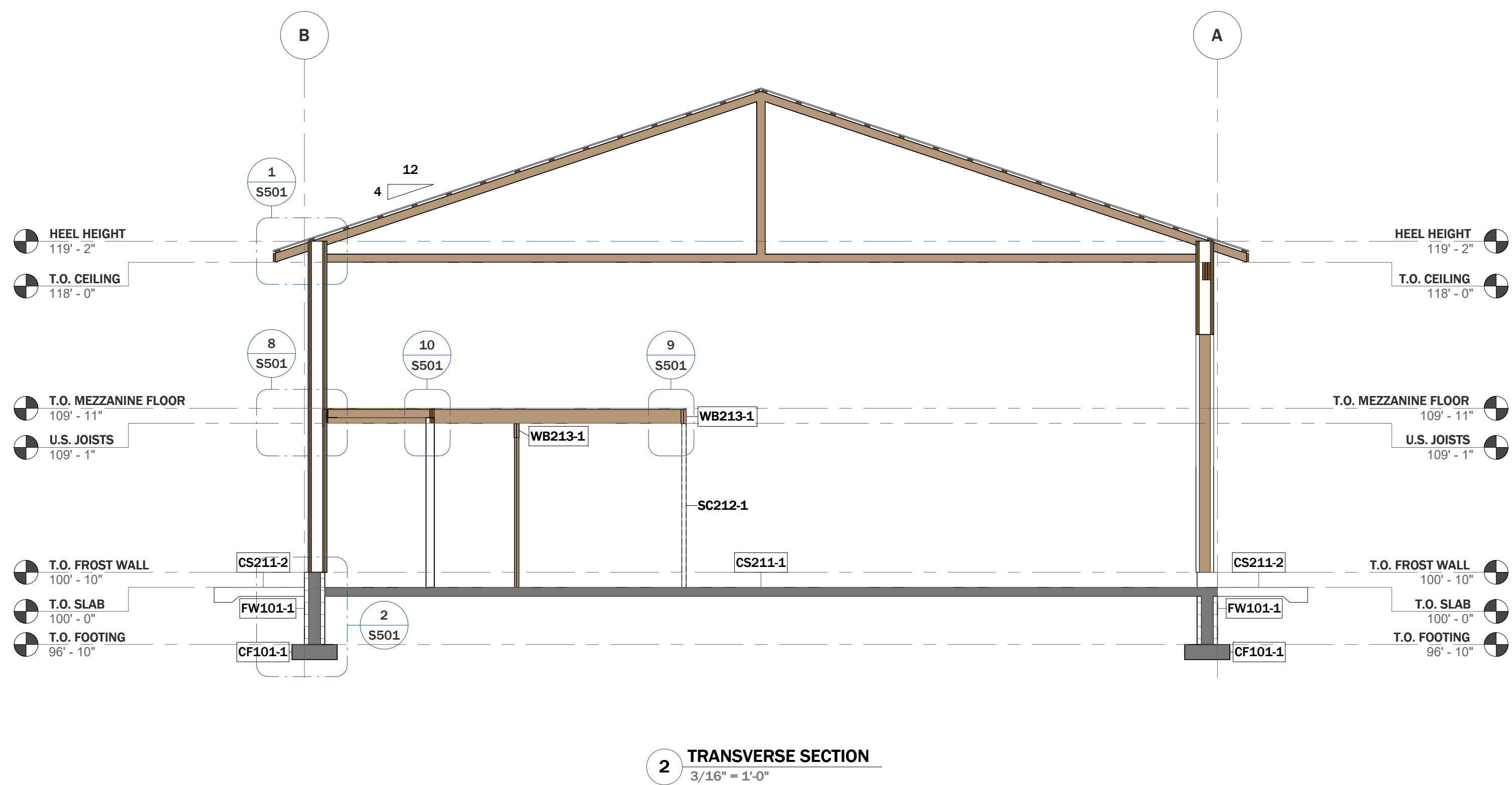
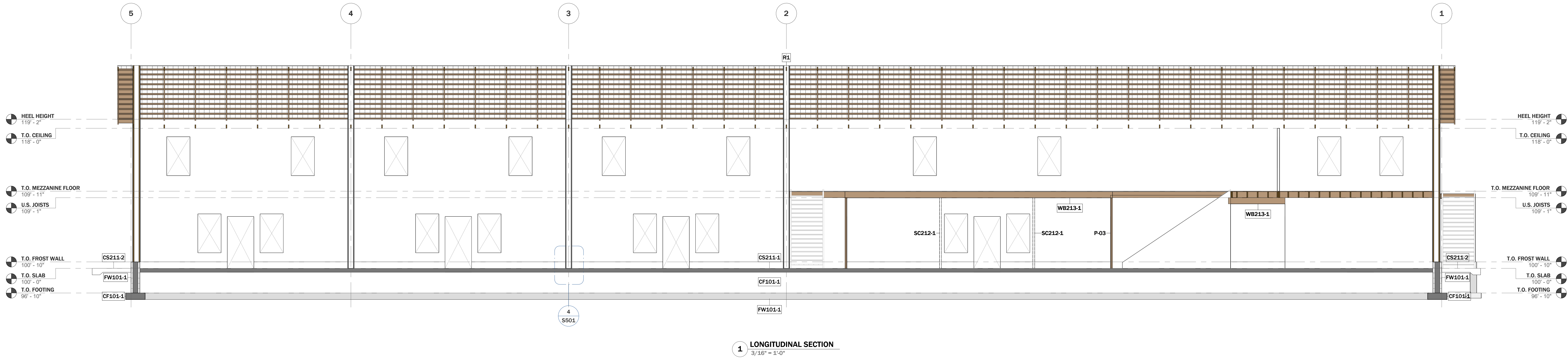
S231

CD P00

GENERAL NOTES

- COORDINATE SYSTEMS:**
ALL WORK SHALL COMPLY WITH THE LATEST EDITIONS OF OFFICIALS BUILDING CODES, LOCAL ORDINANCES AND STANDARDS.
- DESIGNER:**
VERTICAL DIMENSIONS AND CONCENTRATIONS IN THE FIELD SHALL BE COMMANDED ACCORDING TO THE AUTOMATIC DESIGN PROFESSIONAL. HORIZONTAL.
- MATERIALS AND WORKMANSHIP:**
ALL MATERIALS AND WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY AND IN ACCORDANCE WITH THE SPECIFICATIONS AND REVISIONS AND BE SUBJECT TO THE INSPECTION OFFICIALS.
- USE CONTRACTOR:**
VERIFY THAT THE CONTRACTOR COMPLIES TO THE SPECIFICATIONS REPORT. REPORT ANY VIOLATIONS TO THE AUTHORIZING LICENSED PROFESSIONAL.
- CONCRETE:**
USE THE SPECIFIED MIX DESIGN FOR ALL CONCRETE WORK. MAINTAIN PROPER CURING TIMES AND TECHNIQUES TO ACHIEVE DESIRED STRENGTH.
- WOODWORK:**
PLACE AND SECURE ALL WOODWORKER BASES AS PER THE DRAWINGS AND SPECIFICATIONS. VERIFY CORRECT SIZES, SPACING AND FINISHING.
- FOUNDATIONS:**
CONSTRUCT AND FINISH FUNDATION UNITS ACCORDING TO PLANS. REMOVE ANY UNSUITABLE MATERIAL AND REPLACE WITH APPROPRIATE.
- ROOFING:**
CONSTRUCT PROPER DRAINAGE AND COMPACTOR AROUND FOUNDATIONS TO PREVENT SETTLEMENT AND MAINTAIN PROPER DRAINAGE FROM THE ROOFING. LICENSED PROFESSIONAL PRIOR TO INSTALLATION.
- WATER:**
CONFIRM THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF WORK. PROTECT AND MAINTAIN ALL EXISTING UTILITIES THROUGHOUT.
- SAFETY:**
PROTECT ALL SAFETY PROTECT FROM AND OTHERS. PROVIDE ANY NECESSARY SAFETY BARRIERS, SIGNALS AND PROTECTIVE EQUIPMENT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING AND COMPLYING WITH ALL CITY, STATE AND FEDERAL REQUIREMENTS.
- USE ACCESS:**
REMOVE THE USE ACCESS FROM EXISTING MODEL AND STORAGE LOCATIONS ARE CLEARLY MARKED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
- CRANES:**
AND CRANES TO THE CONSTRUCTION DRAWINGS MUST BE APPROVED BY THE AUTHORIZING LICENSED PROFESSIONAL.
- COORDINATION:**
COORDINATE ALL WORK WITH OTHER SUBCONTRACTORS AND TRADING PARTIES. VERIFY THAT ALL INSTALLATIONS DO NOT INTERFERE WITH EXISTING OR PLANNED WORK. ANY DISCREPANCIES BETWEEN EXISTING OR PLANNED WORK SHALL BE REPORTED TO THE AUTHORIZING LICENSED PROFESSIONAL IMMEDIATELY.
- INSPECTIONS:**
SCHEDULE AND PERFORM ALL REQUIRED INSPECTIONS AS REQUIRED BY LOCAL, STATE AND FEDERAL AND THE AUTHORIZING LICENSED PROFESSIONAL. VERIFY THE AUTHORIZING LICENSED PROFESSIONAL A NUMBER OF 15 MINUTES PRIOR TO BEGINNING OF INSPECTION. NO WORK SHALL BE DONE FOR THE INSPECTION PRIOR TO APPROVAL.
- CLEAN-UP:**
MAINTAIN A CLEAN AND ORDERLY WORK SITE. REMOVE DEBRIS AND WASTE MATERIALS PROMPTLY.
- QUALITY:**
SUBMIT ALL REQUIRED SHOP DRAWINGS, PRODUCT DATA AND SAMPLES TO THE AUTHORIZING LICENSED PROFESSIONAL FOR REVIEW AND APPROVAL BEFORE COMMENCEMENT OF INSTALLATION.

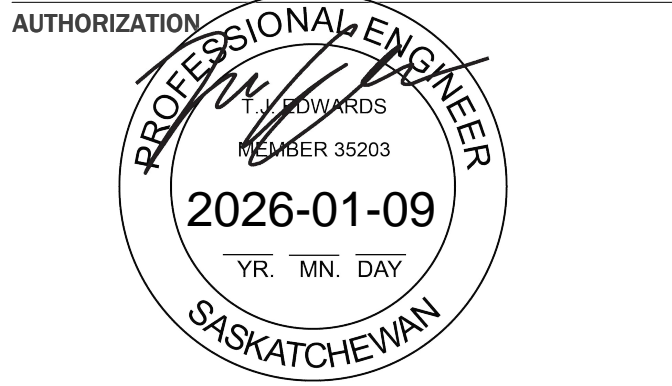
VIEW LEDGEND	
	DIMENSION TO GRID LINE
	DIMENSION TO ELEMENT
	RUNNING DIMENSION & BASE POINT
	WOOD ELEMENT
	CONCRETE ELEMENT
KEY NOTES	
NONE	



CD P00	IFP	2026-01-09	TE
CD-A1	IFR	2025-12-12	TE
NO.	ISSUED FOR:	ISSUED DATE:	BY:

ISSUED DRAWINGS
SAFRENE CONSTRUCTION - PROPOSED SHOP & RENTAL
UNIT
LAND DESCRIPTION: 16.47746 S PLAN 102468752 EXT 0
SOURCE QUARTER SECTION: SW 25-17-18-2
RM OF GREENWOLD NO.158

BRANT SAFINUK
1-162 HURON RD
RM OF SHERWOOD, SK S4K 0A4



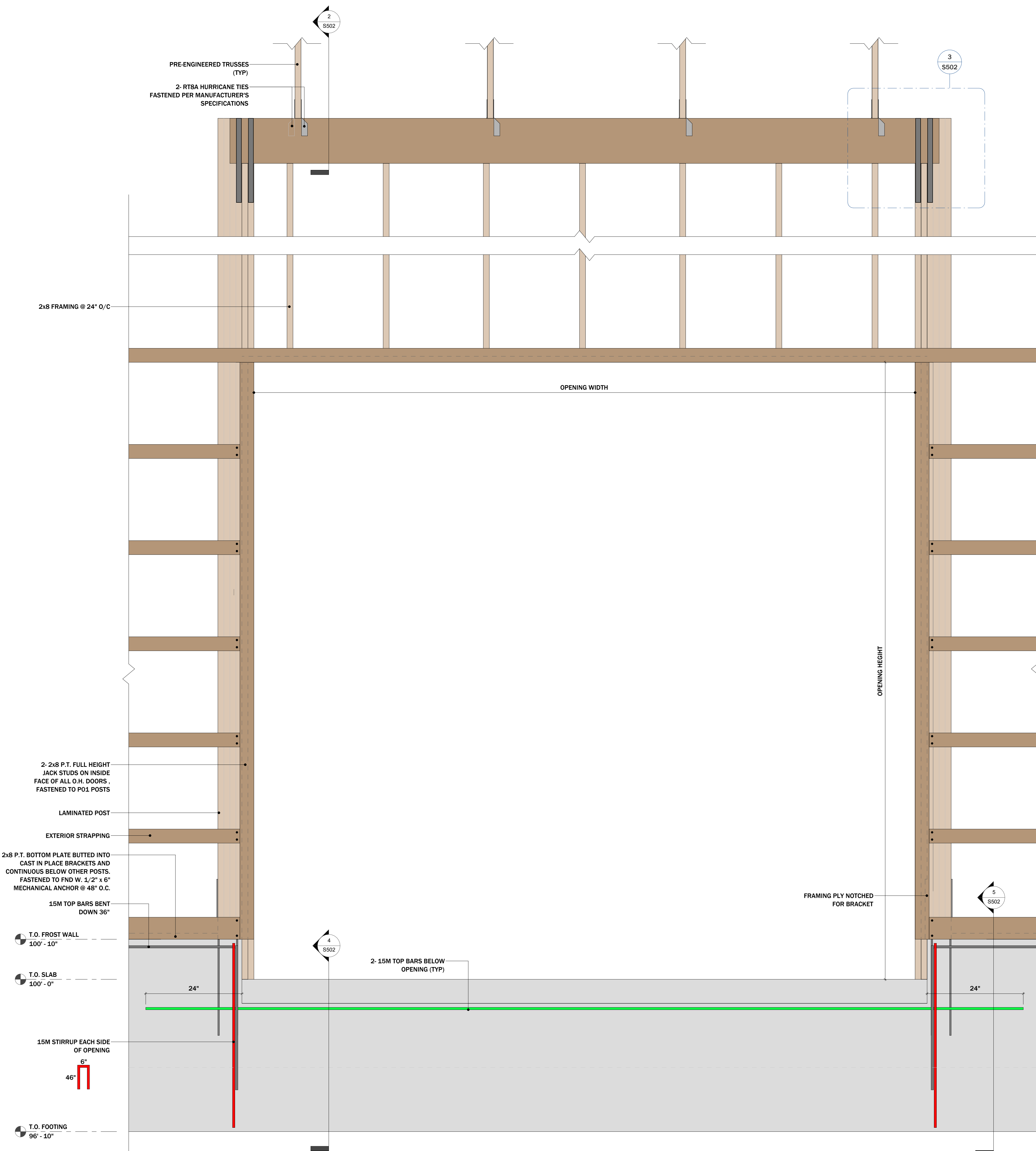
VALIDATION
Association of Professional Engineers & Geoscientists
of Saskatchewan
CERTIFICATE OF AUTHORIZATION
Kiras Engineering Ltd.
Number 0228
Permission to Consult held by:
Discipline: S1624
St. Reg. No.: S1624
Signature: S1624

BUILDING SECTIONS		
PROJECT NO:	SCALE:	PLOT SIZE:
24099	AS NOTED	36x48
PROJECT LEAD		TE
PROJECT MANAGER		TE
STRUCTURAL DESIGN LEAD		TE
BIM MODELLER		EDR

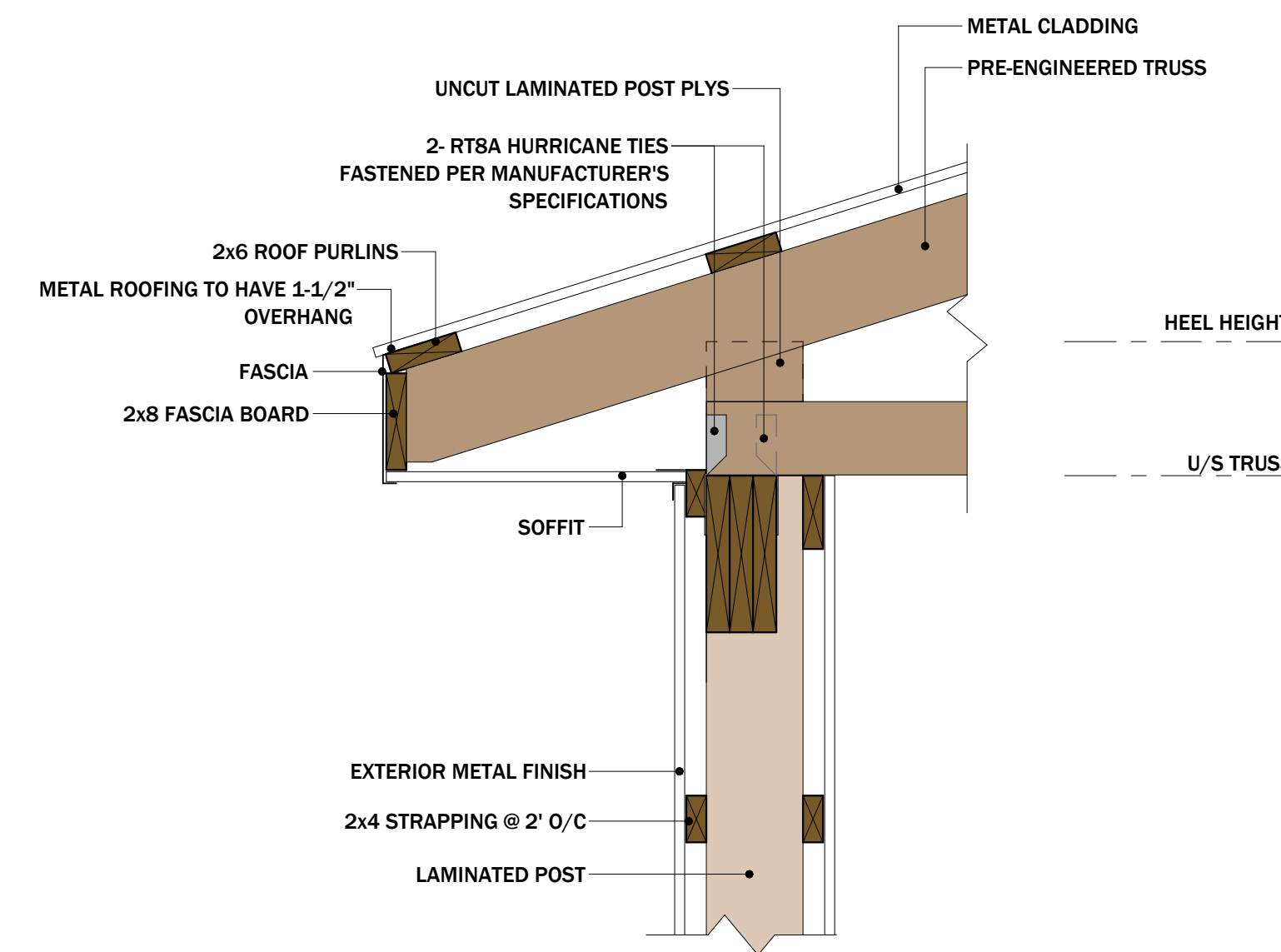


GENERAL NOTES

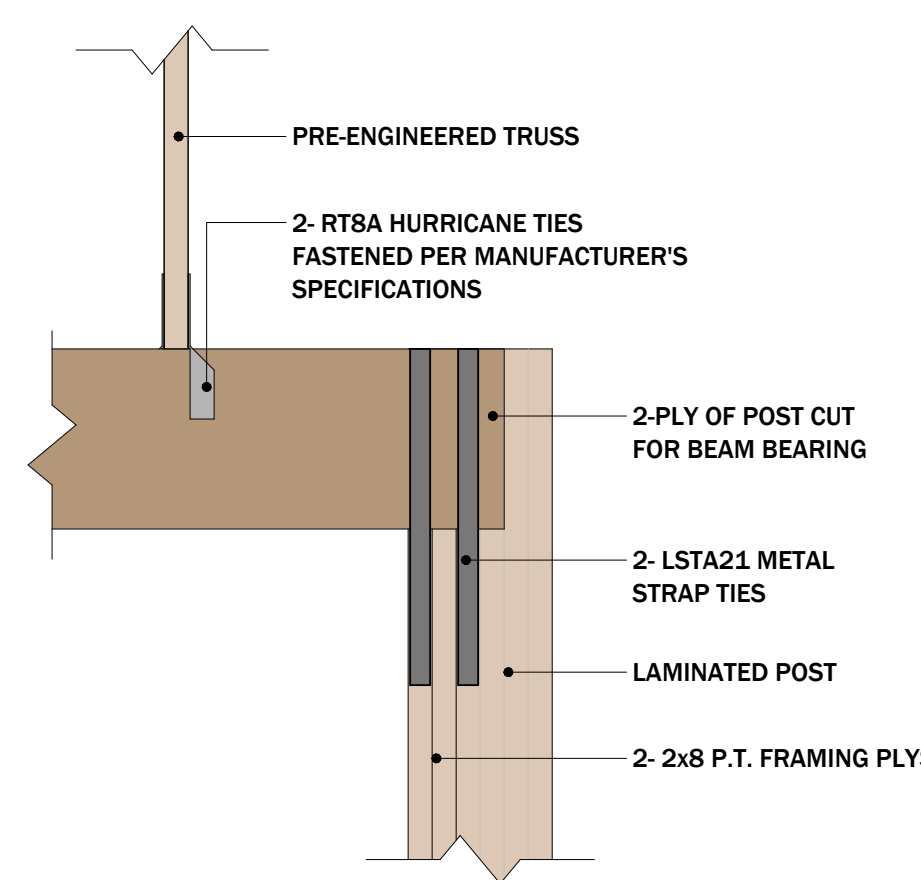
- CODES AND STANDARDS:**
ALL WORK SHALL COMPLY WITH THE LATEST EDITIONS OF APPLICABLE BUILDING CODES, LOCAL ORDINANCES, AND STANDARDS.
- DESIGNER:**
ALL MATERIALS, DIMENSIONS AND CONNECTIONS IN THE FIELD SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND REVISIONS OF THE DESIGNER'S PROFESSIONAL JUDGMENT.
- MATERIALS AND WORKMANSHIP:**
ALL MATERIALS AND WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY AND IN ACCORDANCE WITH THE SPECIFICATIONS AND REVISIONS OF THE DESIGNER'S PROFESSIONAL JUDGMENT.
- USE CONDITIONS:**
VERIFY THAT THE CONNECTIONS CONFORM TO THE DESIGNER'S REPORT. REPORT ANY VARIATIONS TO THE AUTHORIZING LICENSED PROFESSIONAL.
- CONCRETE:**
USE THE SPECIFIED MIX DESIGN FOR ALL CONCRETE WORK. MAINTAIN PROPER CURING TIMES AND TECHNIQUES TO ACHIEVE DESIRED STRENGTH.
- REINFORCEMENT:**
PLACE AND SECURE ALL REINFORCEMENT BARS AS PER THE DRAWINGS AND SPECIFICATIONS. VERIFY CORRECT SIZES, SPACING, AND ORIENTATION.
- FOUNDATIONS:**
CONCRETE AND REINFORCE FOUNDATION WALLS ACCORDING TO PLANS. REMOVE ANY OBSTACLES MATERIAL AND REPLACE WITH APPROPRIATE.
- BACKFILLING:**
COMPLY WITH BACKFILLING AND COMPACTOR AROUND FOUNDATIONS TO PREVENT SETTLEMENT AND MAXIMIZE STABILITY. RETAIN VIBRATORS FROM THE REINFORCING LICENSED PROFESSIONAL PRIOR TO BACKFILLING.
- VENTS:**
CONFIRM THE LOCATION OF ALL EXISTING VENTS PRIOR TO THE COMMENCEMENT OF WORK. PROTECT AND MAINTAIN ALL EXISTING VENT CONNECTIONS.
- SAFETY:**
FOLLOW ALL SAFETY PROCEDURES FROM AND ABOVE GROUND. PROVIDE AND MAINTAIN NECESSARY SAFETY BARRIERS, SIGNALS, AND PROTECTIVE EQUIPMENT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING AND COMPLYING WITH ALL ON-SITE SAFETY REQUIREMENTS.
- NEW ACCESS:**
REMOVE THE EXISTING PANEL, LAMINATE, AND STAPLE LOCATIONS ARE CLEARLY MARKED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
- CHANGES:**
ANY CHANGES TO THE CONSTRUCTION DRAWINGS MUST BE APPROVED BY THE AUTHORIZING LICENSED PROFESSIONAL.
- COORDINATION:**
COORDINATE ALL WORK WITH OTHER SUBCONTRACTORS AND TRADERS AND ENSURE THAT ALL REQUIREMENTS OF OTHER SYSTEMS ARE MET. ALL WORK SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND REVISIONS OF THE DESIGNER'S PROFESSIONAL JUDGMENT.
- INSPECTIONS:**
SCHEDULE AND PREPARE ALL INSPECTIONS PRIOR TO ALL PHASES OF WORK. ALL INSPECTIONS SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND REVISIONS OF THE DESIGNER'S PROFESSIONAL JUDGMENT. A MINIMUM OF 24 HOURS PRIOR TO BEGINNING OF INSPECTION. NO RETOOLS SHALL BE USED FOR INSPECTIONS PRIOR TO INSPECTIONS.
- CLEAN-UP:**
MAINTAIN A CLEAN AND ORDERLY WORK SITE. REMOVE DEBRIS AND WASTE MATERIALS PROMPTLY.
- QUALITY:**
SUBMIT ALL REQUIRED SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES TO THE AUTHORIZING LICENSED PROFESSIONAL FOR REVIEW AND APPROVAL BEFORE COMMENCEMENT OF INSTALLATION.



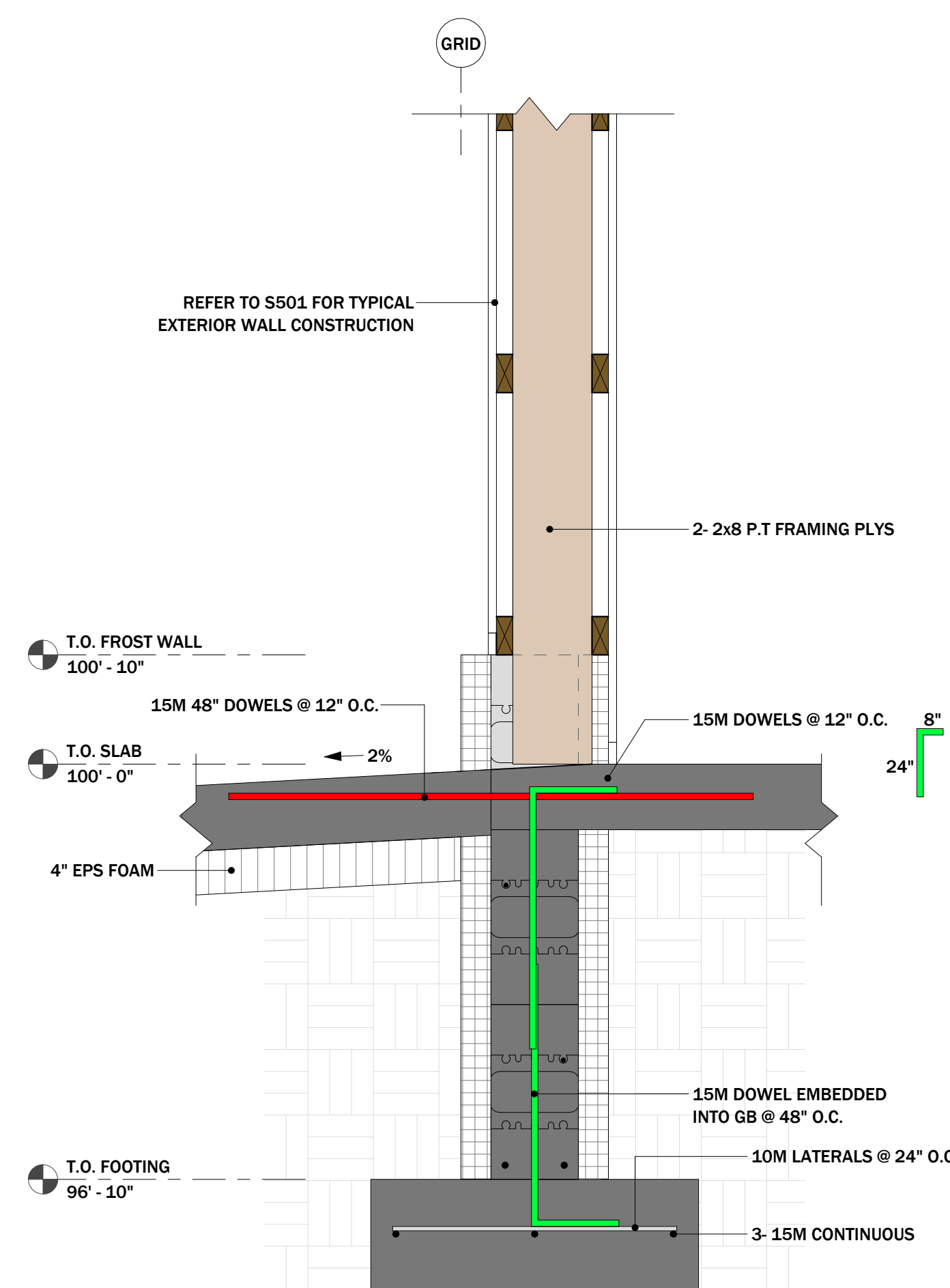
1 TYPICAL SIDE WALL OPENING FRAMING
1" = 1'-0"



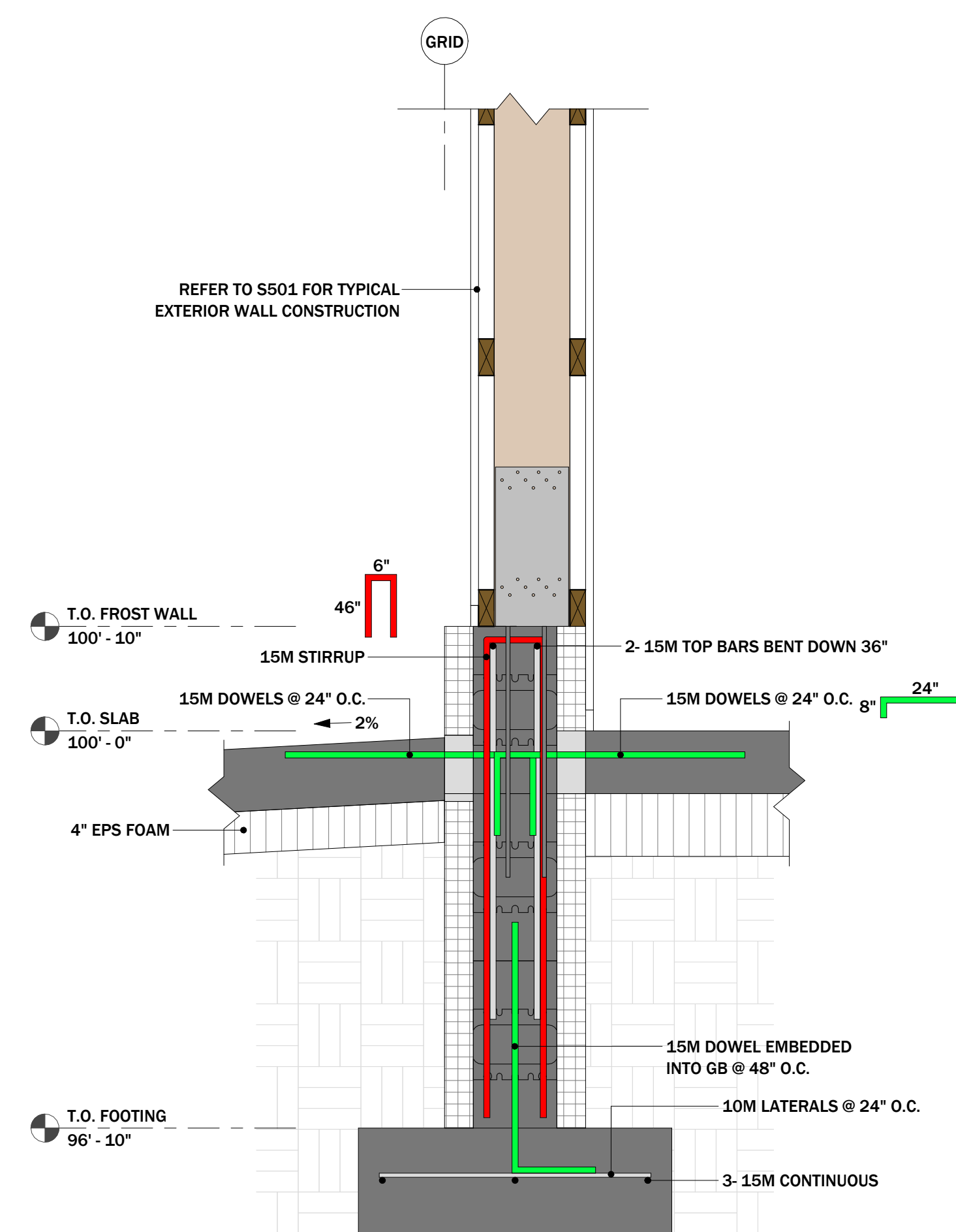
2 TYPICAL TRUSS TO BEAM CONNECTION
1" = 1'-0"



3 TYPICAL BEAM TO POST CONNECTION
1" = 1'-0"



4 TYPICAL EXTERIOR WALL TO FND CONNECTION - AT OPENING
1" = 1'-0"



5 TYPICAL EXTERIOR WALL TO FND CONNECTION - BESIDE OPENING
1" = 1'-0"

CD-P00	IFP	2026-01-09	TE
NO.	ISSUED FOR:	ISSUED DATE:	BY:

ISSUED DRAWINGS

SAFRENE CONSTRUCTION - PROPOSED CRU BUILDING

LAND DESCRIPTION: BLK 1/4 PAR. Q PLAN 102468702 EXT. Q

SOURCE QUARTER SECTION: SW 25-23-17-18-2

RM OF GREENWOLD NO. 158

DRAM SAFINUK

1-162 HURON RD

RM OF SHERWOOD, SK S4K 0A4

AUTHORIZATION:



VALIDATION

Association of Professional Engineers & Geoscientists of Saskatchewan

CERTIFICATE OF AUTHORIZATION

Kiras Engineering Ltd.

Number 0228

Permission to Consult held by:

Discipline: St. Reg. No. 57842-2

Signature: S. L. 1/2/24

DETAILS

PROJECT NO:	SCALE:	PILOT SIZE:
24099	AS NOTED	36x48
PROJECT LEAD		Checker
PROJECT MANAGER		Checker
STRUCTURAL DESIGN LEAD		Designer
BIM MODELLER		PV

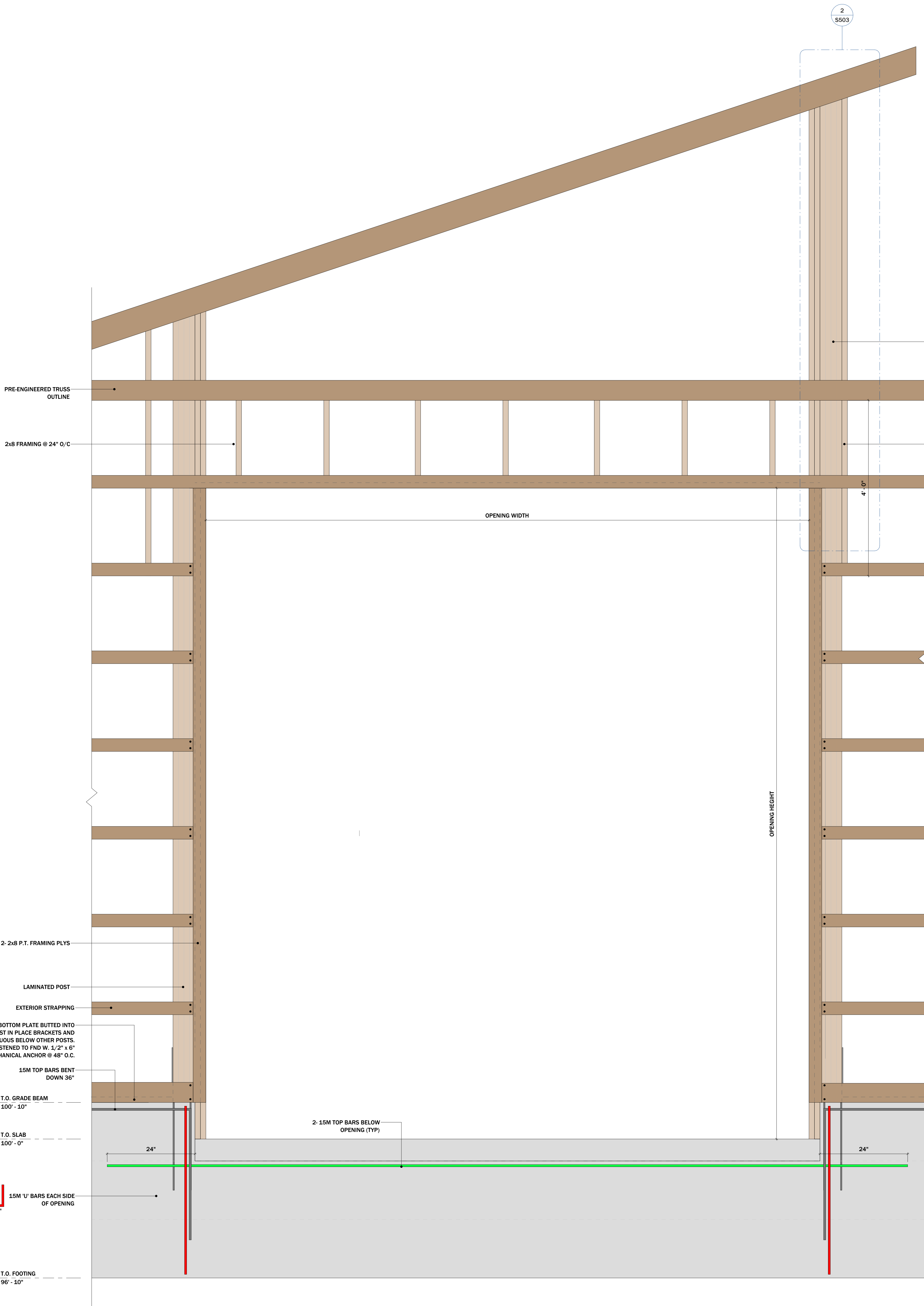
CD-A1

S502

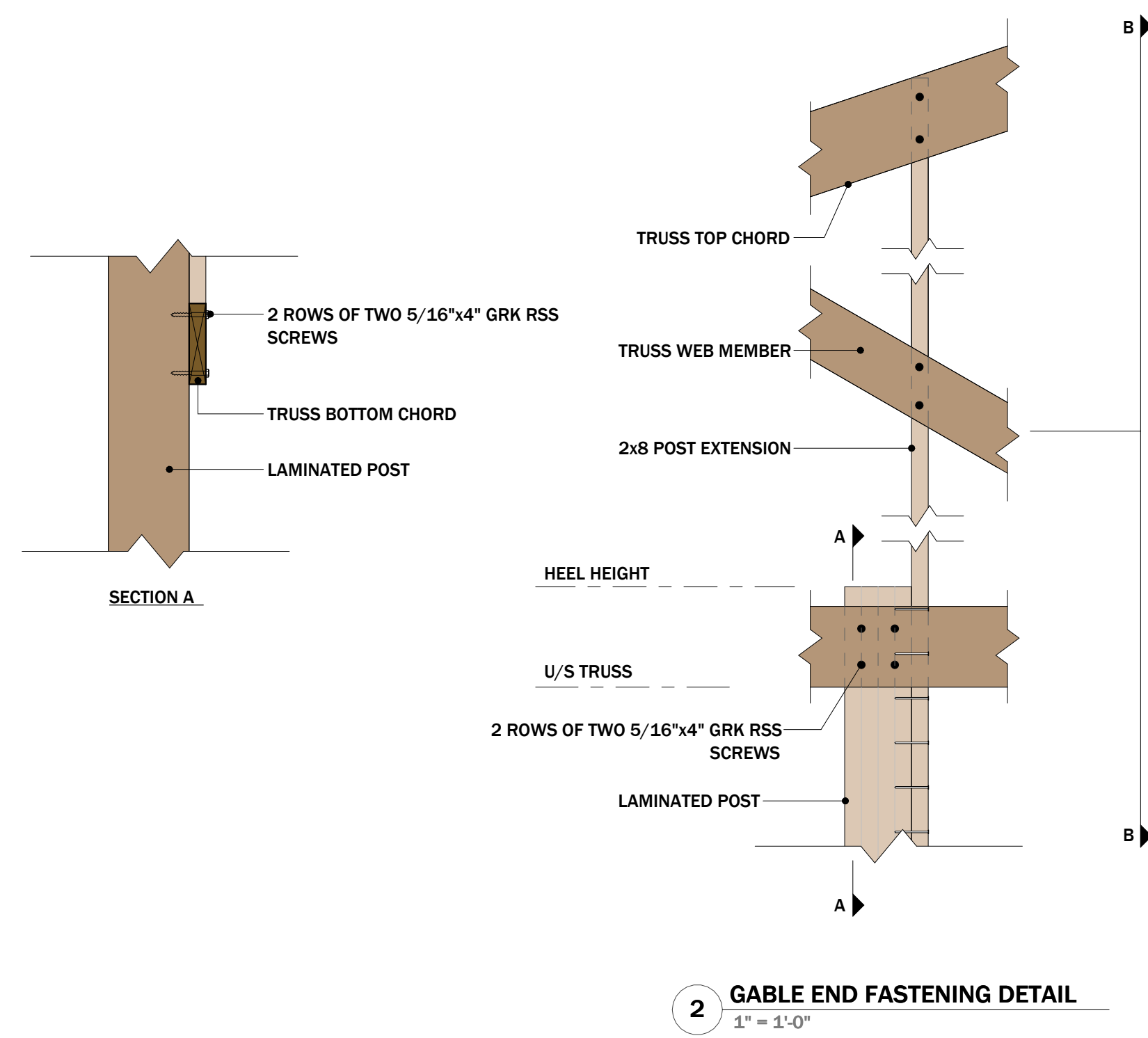
CD-P00

GENERAL NOTES

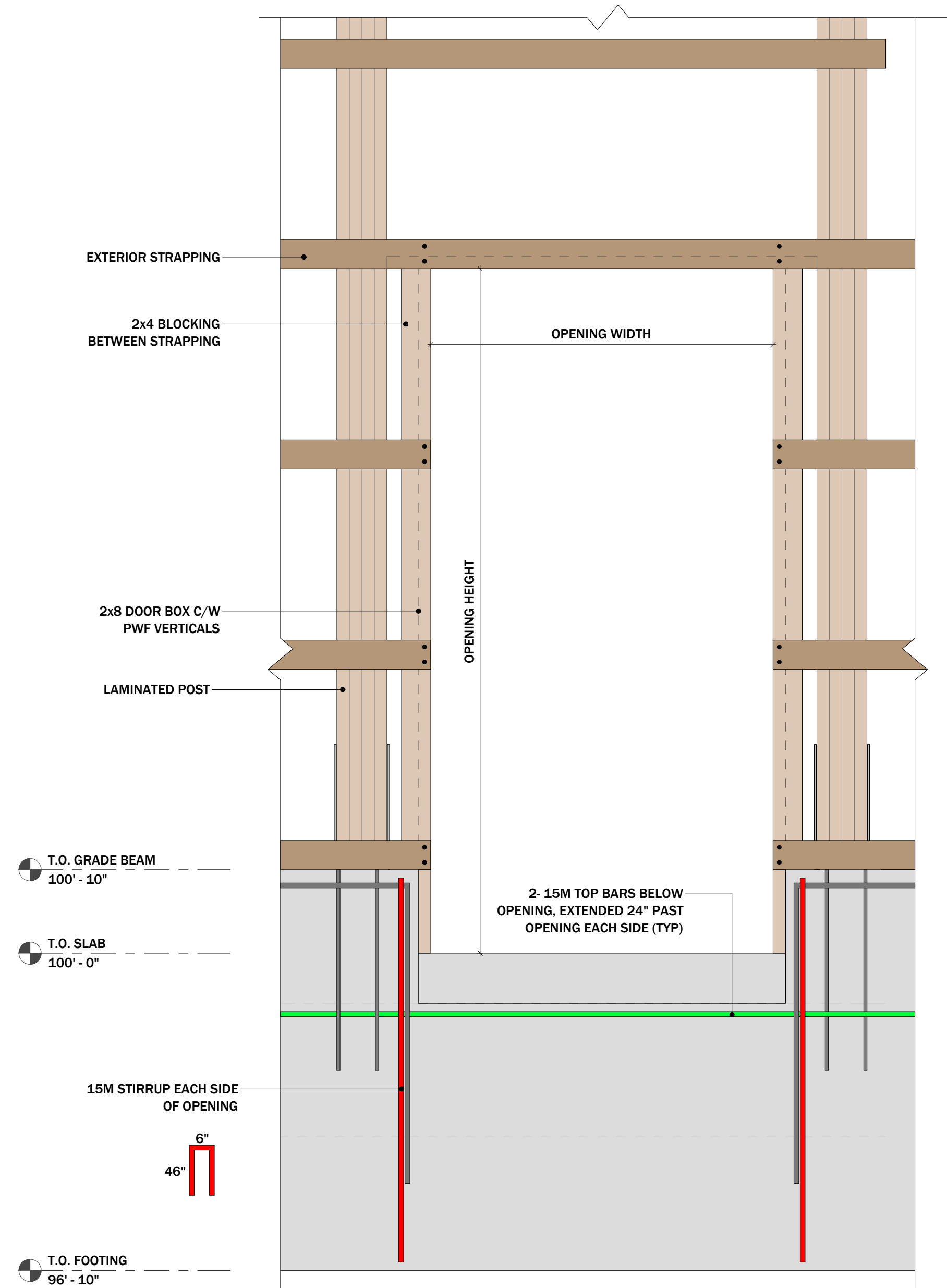
- CODE AND STANDARDS:**
ALL WORK SHALL COMPLY WITH THE LATEST EDITIONS OF APPLICABLE BUILDING CODES, LOCAL ORDINANCES AND STANDARDS.
- DESIGNER:**
GENERAL DESIGNING AND CONSULTING IN THE FIELD SHALL BE COMING AND/OR REPORT ANY DISCREPANCIES TO THE AUTHORIZING LICENSED PROFESSIONAL IMMEDIATELY.
- MATERIALS AND WORKMANSHIP:**
ALL MATERIALS AND WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY AND IN ACCORDANCE WITH THE SPECIFICATIONS AND REVISIONS AND BE SUBJECT TO INSPECTION BY THE AUTHORIZING LICENSED PROFESSIONAL.
- USE CONDITIONS:**
VERIFY THAT THE CONDITIONS CORRESPOND TO THE ASSUMPTIONS REPORTED BY ANY PERSONS TO THE AUTHORIZING LICENSED PROFESSIONAL.
- CONCRETE:**
VERIFY THAT THE CONCRETE IS PROPER FOR ALL CONCRETE WORK. VERIFY PROPER CURING PRACTICES AND TECHNOLOGY IN ALL CASES. REPAIRS TO BE MADE IMMEDIATELY.
- REINFORCEMENT:**
PLACE AND SECURE ALL REINFORCEMENT BARS AS PER THE DRAWINGS AND SPECIFICATIONS. VERIFY CORRECT SIZES, SPACING AND COUPLING.
- FOUNDATIONS:**
EXAMINE AND RECORD FOUNDATION CONDITIONS ACCORDING TO PLAN. REMOVE ANY UNDESIRABLE MATERIAL AND REPLACE WITH APPROPRIATE.
- ROOFING:**
EXAMINE ROOF DRAINAGE AND COMPACTOR AROUND FOUNDATIONS TO PREVENT SETTLEMENT AND MINIMIZE. CORRECTLY DETAIL FLASHINGS FROM THE AUTHORIZING LICENSED PROFESSIONAL PRIOR TO INSTALLATION.
- WATER:**
CONFIRM THE LOCATION OF ALL EXISTING WATER PIPES TO THE COMPLETION OF WORK. PROTECT AND MAINTAIN ALL EXISTING WATER CONDUCTIONS.
- SAFETY:**
VERIFY THAT ALL SAFETY PRECAUTIONS AND PROCEDURES ARE FOLLOWED. PROVIDE AND MAINTAIN NECESSARY SAFETY BARRIERS, SIGNALS AND PROTECTIVE EQUIPMENT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING AND COMPLYING WITH ALL ON-SITE SAFETY REQUIREMENTS.
- USE ACCESS:**
VERIFY THAT THE ACCESS POINTS, LIFTING DEVICES AND STORAGE LOCATIONS ARE CLEARLY MARKED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
- CHANGES:**
ANY CHANGES TO THE CONSTRUCTION DRAWINGS MUST BE APPROVED BY THE AUTHORIZING LICENSED PROFESSIONAL.
- COORDINATION:**
COORDINATE ALL WORK WITH OTHER SUBCONTRACTORS AND TRADERS AND ENSURE THAT ALL INSTALLATIONS DO NOT INTERFERE WITH EXISTING OR PLANNED WORK. ANY DISCREPANCIES BETWEEN EXISTING OR PLANNED WORK AND THE DRAWINGS OR BY THE FIELD SHALL BE REPORTED TO THE AUTHORIZING LICENSED PROFESSIONAL IMMEDIATELY.
- INSPECTIONS:**
SCHEDULE AND PERFORM ALL INSPECTIONS SPECIFICALLY AS REQUIRED BY LOCAL AUTHORITIES AND THE AUTHORIZING LICENSED PROFESSIONAL. VERIFY THE AUTHORIZING LICENSED PROFESSIONAL A MINIMUM OF 24 HOURS PRIOR TO BEGINNING OF INSPECTION OR AS REQUIRED FOR THE PROJECT PRIOR TO INSPECTION.
- CLEAN-UP:**
MAINTAIN A CLEAN AND ORDERLY WORK SITE. REMOVE DEBRIS AND WASTE MATERIALS PROMPTLY.
- QUALITY:**
VERIFY ALL REQUIRED SHOP DRAWINGS, PRODUCT DATA AND SAMPLES TO THE AUTHORIZING LICENSED PROFESSIONAL FOR REVIEW AND APPROVAL BEFORE INSTALLATION.



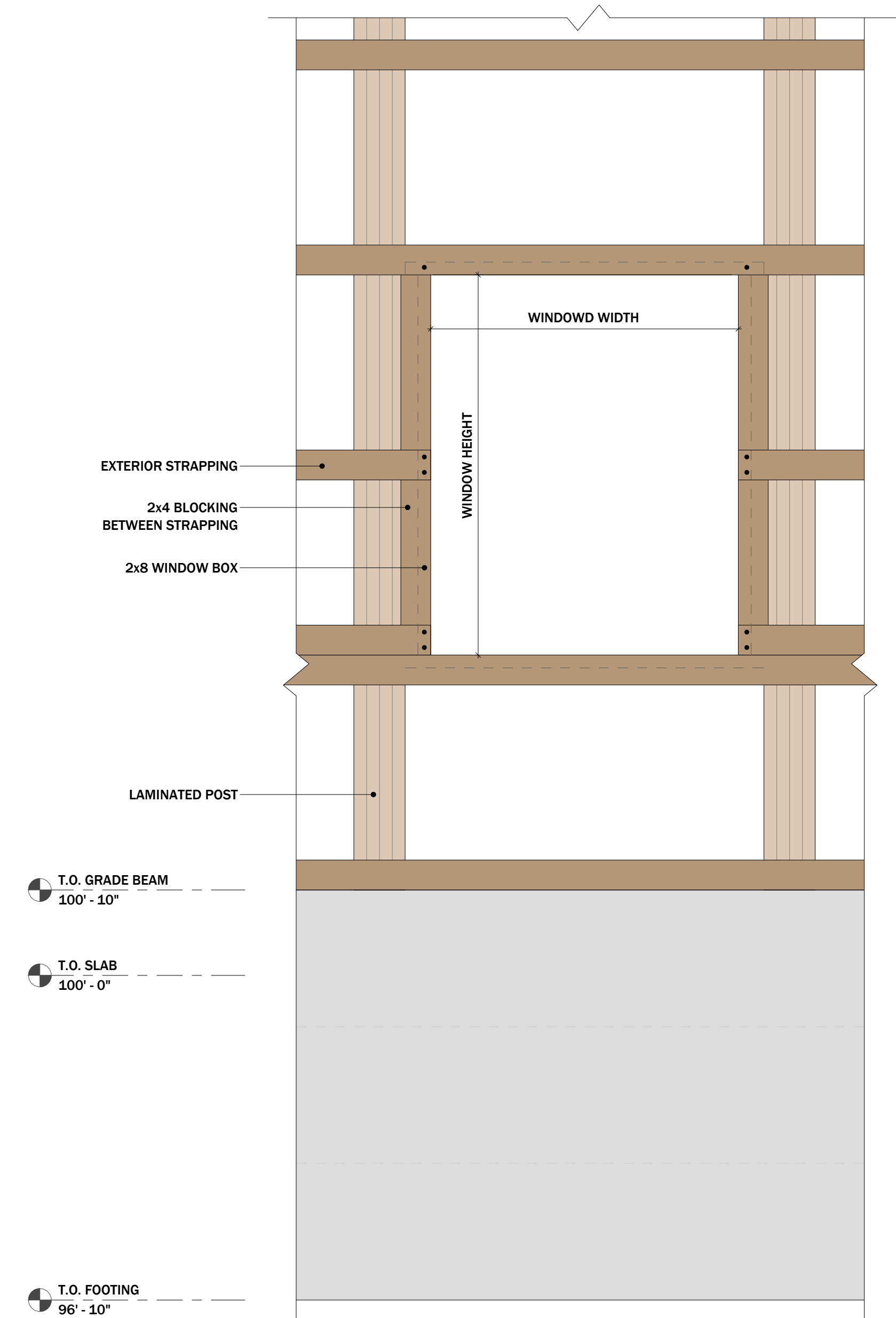
1 TYPICAL END WALL OPENING FRAMING
1" = 1'-0"



2 GABLE END FASTENING DETAIL
1" = 1'-0"



3 TYPICAL DOOR FRAMING
1" = 1'-0"



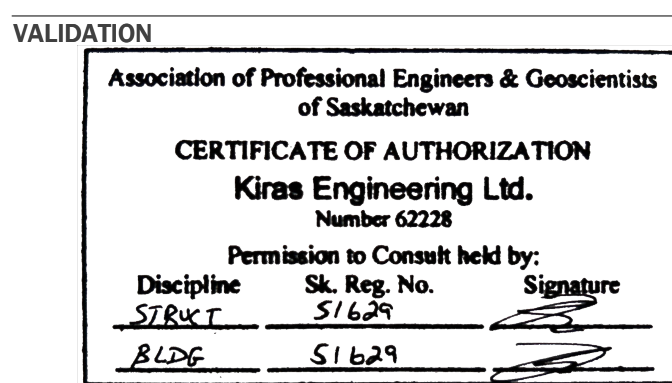
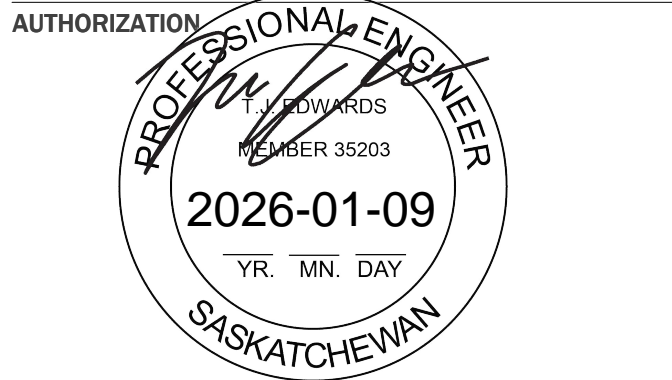
4 TYPICAL WINDOW FRAMING
1" = 1'-0"

CD-P00	IFP	2026-01-09	TE
CD-A1	IFR	2025-12-12	TE
NO.	ISSUED FOR:	ISSUED DATE:	BY:

ISSUED DRAWINGS

SAFRENE CONSTRUCTION - PROPOSED SHOP & RENTAL
UNIT
LAND DESCRIPTION: 86-7746 S PLAN 102487052 EXT 0
SOURCE QUARTER SECTION: SW-29-17-18-2
RM OF EDENWILLO NO.158

BRANT SAFINUK
1-162 HUSUM RD
RM OF SHERWOOD, SK S4K 0A4



DETAILS

PROJECT NO:	SCALE:	PILOT SIZE:
24099	AS NOTED	36x48
PROJECT LEAD:		TE
PROJECT MANAGER:		TE
STRUCTURAL DESIGN LEAD:		TE
BIM MODELLER:		EDR

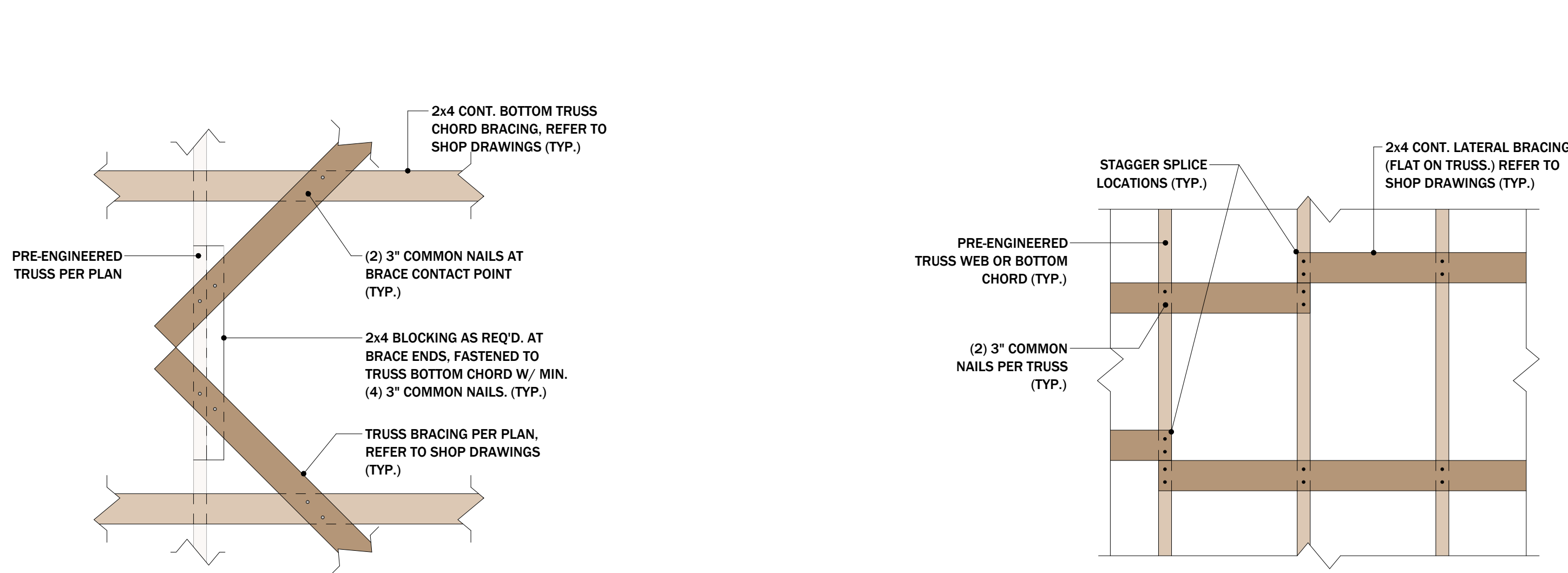
CD-A1

S503

CD-P00

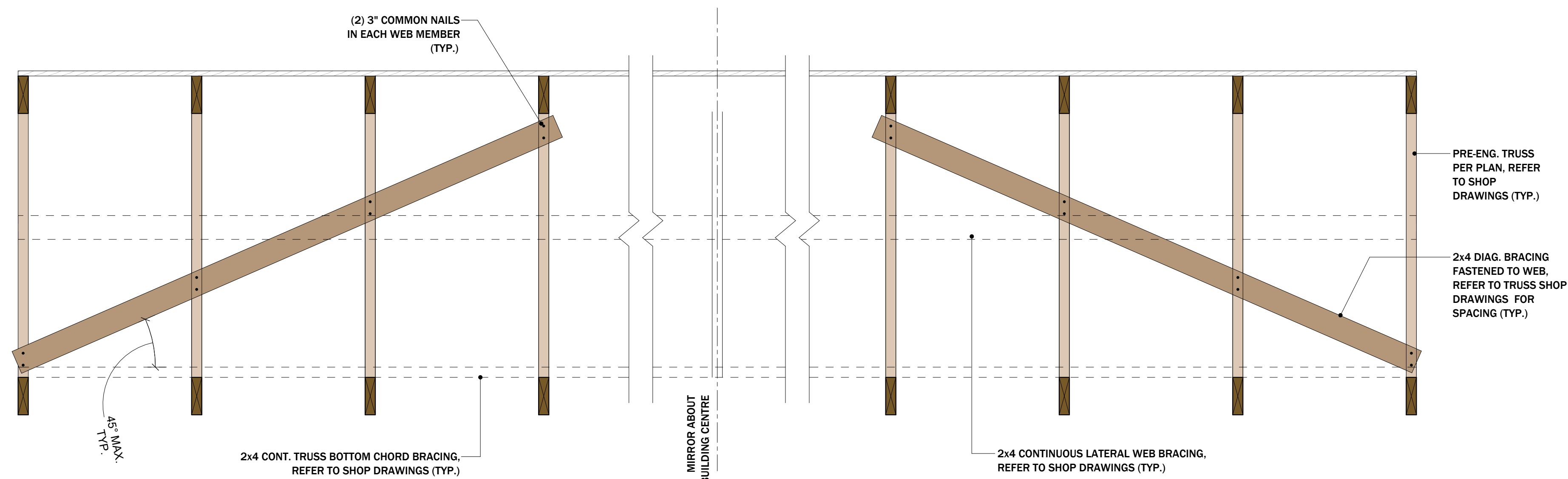
GENERAL NOTES

- 1. CONSULTING ENGINEER:** ALL WORK SHALL COMPLY WITH THE LATEST EDITIONS OF APPLICABLE CANADIAN, LOCAL, NATIONAL AND STANDARDS.
- 2. DESIGNER:** ALL DESIGNING AND CONSTRUCTION IN THE FIELD SHALL BE COMING FROM THE DESIGNER'S OFFICE. THE DESIGNER'S OFFICE SHALL BE RESPONSIBLE FOR THE DESIGNER'S OFFICE. THE DESIGNER'S OFFICE SHALL BE RESPONSIBLE FOR THE DESIGNER'S OFFICE.
- 3. MATERIALS AND WORKMANSHIP:** ALL MATERIALS AND WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY AND IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE DESIGNER'S OFFICE. THE DESIGNER'S OFFICE SHALL BE RESPONSIBLE FOR THE DESIGNER'S OFFICE.
- 4. SITE CONDITIONS:** THE DESIGNER'S OFFICE SHALL BE RESPONSIBLE FOR ALL SITE CONDITIONS. THE DESIGNER'S OFFICE SHALL BE RESPONSIBLE FOR THE DESIGNER'S OFFICE.
- 5. CONCRETE:** CONCRETE SHALL BE OF THE HIGHEST QUALITY AND IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE DESIGNER'S OFFICE. THE DESIGNER'S OFFICE SHALL BE RESPONSIBLE FOR THE DESIGNER'S OFFICE.
- 6. FOUNDATIONS:** FOUNDATIONS SHALL BE OF THE HIGHEST QUALITY AND IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE DESIGNER'S OFFICE. THE DESIGNER'S OFFICE SHALL BE RESPONSIBLE FOR THE DESIGNER'S OFFICE.
- 7. ROOFING:** ROOFING SHALL BE OF THE HIGHEST QUALITY AND IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE DESIGNER'S OFFICE. THE DESIGNER'S OFFICE SHALL BE RESPONSIBLE FOR THE DESIGNER'S OFFICE.
- 8. SITES:** THE DESIGNER'S OFFICE SHALL BE RESPONSIBLE FOR ALL SITES. THE DESIGNER'S OFFICE SHALL BE RESPONSIBLE FOR THE DESIGNER'S OFFICE.
- 9. SITE ACCESS:** THE DESIGNER'S OFFICE SHALL BE RESPONSIBLE FOR ALL SITE ACCESS. THE DESIGNER'S OFFICE SHALL BE RESPONSIBLE FOR THE DESIGNER'S OFFICE.
- 10. CHANGES:** ANY CHANGES TO THE CONSTRUCTION DRAWINGS SHALL BE APPROVED BY THE AUTHORIZING ENGINEER. THE DESIGNER'S OFFICE SHALL BE RESPONSIBLE FOR THE DESIGNER'S OFFICE.
- 11. CONSTRUCTION:** CONSTRUCTION SHALL BE OF THE HIGHEST QUALITY AND IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE DESIGNER'S OFFICE. THE DESIGNER'S OFFICE SHALL BE RESPONSIBLE FOR THE DESIGNER'S OFFICE.
- 12. INSPECTION:** INSPECTION SHALL BE OF THE HIGHEST QUALITY AND IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE DESIGNER'S OFFICE. THE DESIGNER'S OFFICE SHALL BE RESPONSIBLE FOR THE DESIGNER'S OFFICE.
- 13. QUALITY:** QUALITY SHALL BE OF THE HIGHEST QUALITY AND IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS OF THE DESIGNER'S OFFICE. THE DESIGNER'S OFFICE SHALL BE RESPONSIBLE FOR THE DESIGNER'S OFFICE.

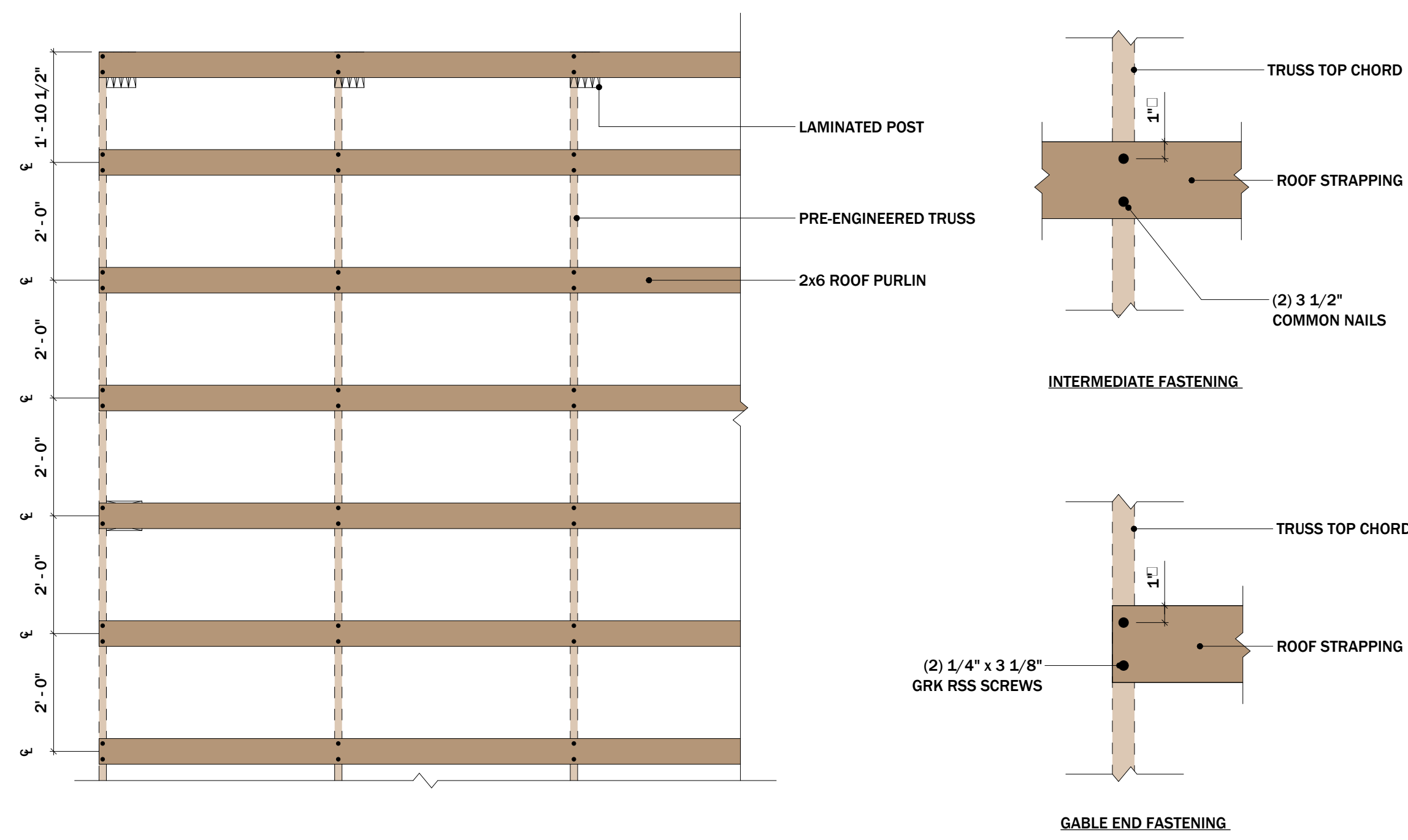


1 TYPICAL TRUSS BOTTOM CHORD BRACING CONNECTION
1" = 1'-0"

3 TYPICAL LATERAL TRUSS BRACING CONNECTION
1" = 1'-0"



4 TYPICAL DIAGONAL TRUSS BRACING
1" = 1'-0"



2 TYPICAL ROOF PURLIN CONNECTION
1/2" = 1'-0"

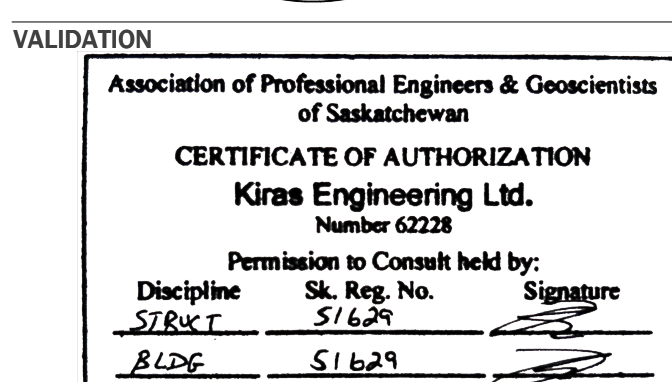
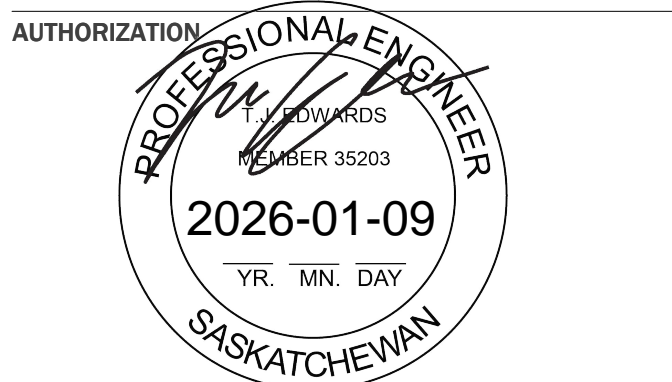
5 TYPICAL METAL FASTENING
1" = 1'-0"

CD P00	IFP	2026-01-09	TE
CD-A1	IFP	2025-12-12	TE
NO.	ISSUED FOR:	ISSUED DATE:	BY:

ISSUED DRAWINGS

SAFRENE CONSTRUCTION - PROPOSED SHOP & RENTAL
UNIT
LAND DESCRIPTION: 16.4716 AC (PT) AN 102468752 EXT 0
SOURCE QUARTER SECTION: SW 25-17-18-2
RM OF EDENWILLOD NO.158

BRANT SAFINUK
1-162 HUSUM RD
RM OF SHERWOOD, SK S4K 0A4



DETAILS

PROJECT NO.	SCALE	PILOT DATE
24090	AS NOTED	36x48
PROJECT LEAD		TE
PROJECT MANAGER		TE
STRUCTURAL DESIGN LEAD		TE
BIM MODELLER		EDR

CD-A1

S504

CD P00