ISSUED FOR PERMIT

24090 - SAFRENE CONSTRUCTION - PROPOSED CRU BUILDING

CONSTRUCTION DOCUMENTS - ISSUED FOR REVIEW

BRANT SAFINUK

PARCEL O, S.W.1/4 SECTION 29 TWP.17 - RGE.18 - W.2MER., RM OF SHERWOOD, SK S4K 0A4

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

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-3 LOW HAZARD INDUSTRIAL AND F-2 MEDIUM HAZARD INDUSTRIAL OCCUPANCIES

KIRAS

G000

CD-P00

BUILDING CODES & REGULATIONS

2020 NATIONAL BUILDING CODE OF CANADA

STRUCTURAL DESIGN LOADING

BUILDING IMPORTANCE FACTOR: NORMAL - I = 1.00
GROUND SNOW LOAD Ss = 1.4 KPA
RAIN LOAD Sr = 0.1 KPA
WIND PRESSURE (1/50 YEAR RETURN) = 0.49 KPA
FLOOR LIVE LOAD = 4.8 KPA
OFFICE FLOOR LIVE LOAD = 2.4 KPA

GENERAL NOTES

1. THE BUILDING IS DESIGNED IN ACCORDANCE WITH AND SHALL BE CONSTRUCTED IN COMPLIANCE WITH ALL APPLICABLE CODES, REGULATIONS, STANDARDS, AND LOCAL BY-LAWS.
2. ALL WORK TO BE COMPLETED THAT IS OUTSIDE THE SCOPE OF THESE DRAWINGS MUST BE COMPLETED IN ACCORDANCE WITH THE APPLICABLE CODES, REGULATIONS, STANDARDS, AND LOCAL BY-LAWS. THE GENERAL CONTRACTOR/CLIENT IS RESPONSIBLE FOR THE COORDINATION OF ALL TRADES INCLUDING PLUMBING, ELECTRICAL, CONCRETE WORK, ETC. THAT IS NOT TO BE COMPLETED BY THE GENERAL CONTRACTOR. KIRAS ENGINEERING LTD WILL NOT BE RESPONSIBLE FOR COORDINATION OF TRADES OR ENSURING THE ADHERENCE OF THE WORK COMPLETED BY THOSE TRADES TO THE APPLICABLE CODES.
3. ALL WORK IS TO BE CARRIED OUT WITH GOOD WORKMANSHIP THAT MEETS ACCEPTABLE INDUSTRY STANDARDS.
4. CONSTRUCTION SAFETY IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
5. DO NOT SCALE DRAWINGS.
6. CONTRACTOR IS TO VERIFY ALL DIMENSIONS, ELEVATIONS, SLOPES, DETAILS, SITE CONDITIONS, GRADE, ETC SHOWN ON THE DRAWINGS PRIOR TO CONSTRUCTION OR PREFABRICATION OF ANY BUILDING COMPONENTS.
7. DISCREPANCIES OR AMBIGUITIES ON THE DRAWINGS AND/OR THE SITE, WHICH AFFECT THE BUILDING'S STRUCTURE, SHALL BE REPORTED IMMEDIATELY TO THE AUTHORIZING ENGINEER OF RECORD. ALTERATIONS OR SUBSTITUTIONS MUST BE AUTHORIZED IN WRITING BY THE AUTHORIZING ENGINEER.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ALL NECESSARY SHORING AND BRACING FOR THE WORK. FORM WORK FOR NEW CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
9. THE CONTRACTOR IS RESPONSIBLE FOR ADVISING KIRAS ENGINEERING LTD WHEN THE BUILDING HAS BEEN COMPLETED TO ALLOW FOR A TIMELY REVIEW OF CONSTRUCTION AND PROCESSING OF APPLICABLE SITE REPORTS AND FINAL CERTIFICATION. KIRAS WILL NOT BE HELD RESPONSIBLE FOR MISSED INSPECTIONS OR INTRUSIVE INVESTIGATION WORK REQUIRED TO COMPLETE A REQUIRED INSPECTION.
10. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL PRIVATE AND PUBLIC UTILITY LOCATES HAVE BEEN COMPLETED AND ARE STILL CURRENT PRIOR TO THE START OF CONSTRUCTION

CONSULTANTS

BUILDING DESIGN

ADDRESS:
PO BOX 274
712 MCKENZIE STREET
BOISSEVAIN, MB R0K0E0

CONTACT: PATRICK VANDOORNE, P.ENG.
PHONE: 1 (204) 215-0551
EMAIL: patrick@kiras.ca

STRUCTURAL ENGINEER

ADDRESS:
PO BOX 274
712 MCKENZIE STREET
BOISSEVAIN, MB R0K0E0

CONTACT: PATRICK VANDOORNE, P.ENG.
PHONE: 1 (204) 215-0551
EMAIL: patrick@kiras.ca

MECHANICAL ENGINEER

ADDRESS:
5221 - 20 THOMLISON AVENUE,
RED DEER, ALBERTA T4P 3C7

CONTACT:
PHONE:
EMAIL:

KB ENGINEERING LIMITED
MECHANICAL / ELECTRICAL ENGINEERING CONSULTANTS

ELECTRICAL ENGINEER

ADDRESS:
5221 - 20 THOMLISON AVENUE,
RED DEER, ALBERTA T4P 3C7

CONTACT:
PHONE:
EMAIL:

KB ENGINEERING LIMITED
MECHANICAL / ELECTRICAL ENGINEERING CONSULTANTS

PERFORMANCE ENERGY MODELLING

ADDRESS:
5221 - 20 THOMLISON AVENUE,
RED DEER, ALBERTA T4P 3C7

CONTACT:
PHONE:
EMAIL:

KB ENGINEERING LIMITED
MECHANICAL / ELECTRICAL ENGINEERING CONSULTANTS

ABBREVIATIONS

ARCH	ARCHITECTURAL	L.D.H	LONG DIMENSION HORIZONTAL
B.U.	BUILT-UP	L.D.V.	LONG DIMENSION VERTICAL
B.L.L.	BOTTOM LOWER LAYER	L.L.H.	LONG LEG HORIZONTAL
B.U.L.	BOTTOM UPPER LAYER	L.L.V.	LONG LEG VERTICAL
BD	BOARD	LOC	LOCATION
BLDG	BUILDING	MACH	MACHINE ROOM
BLKG	BLOCKING	MAX	MAXIMUM
BOT	BOTTOM	MFR	MANUFACTURER
B/W	BOTH WAYS	MID	MIDDLE
BRG	BEARING	MIN.	MINUTES (TIME)
C.L.	CENTERLINE	MIN	MINIMUM
C/W	COMPLETE WITH	NIC	NOT IN CONTRACT
CANT	CANTILEVER	NO.	NUMBER
C.J.	CONTROL JOINT	O/C	ON CENTER
COL	COLUMN	OD	OUTSIDE DIAMETER
COMP	COMPACTED	P.C.	PROJECT COORDINATOR
CONC	CONCRETE	PRE-ENG	PRE-ENGINEERED
CONST	CONSTRUCTION	PREFIN	PREFINISHED
CONT	CONTINUOUS	PROJ	PROJECTION
CORR	CORRIDOR	PTD	PAINTED
CWN	COMMON WIRE NAIL	P.L	PROPERTY LINE
DIA	DIAMETER	RF	REFERENCE POINT
DIAG	DIAGONAL	R/W	REINFORCED WITH
DS	DOWNSPOUT	RWL	RAIN WATER LEADER
DTL	DETAIL	REINF	REINFORCING
DP	DEEP	REQD	REQUIRED
DWG	DRAWING	SCH	SCHEDULE
E/F	EACH FACE	SECT	SECTION
E/S	EACH SIDE	SHTG	SHEATHING
E/W	EACH WAY	SIM	SIMILAR
ELEV	ELEVATION	SQFT	SQUARE FOOT
EQ	EQUIVALENT	SQM	SQUARE METER
EXT	EXTERIOR	STD	STANDARD
F/H	FULL HEIGHT	STOR	STORAGE
F/O	FACE OF	STRL	STRUCTURAL
FD	FLOOR DRAIN	T.L.L	TOP LOWER LEVEL
FND	FOUNDATION	T.U.L	TOP UPPER LEVEL
FLR	FLOOR	T&G	TONGUE & GROOVE
FTG	FOOTING	T&B	TOP & BOTTOM
GALV	GALVANIZED	THKG	THICKENING
G.L.	GRID LINE	THRU	THROUGH
H/C	HANDICAPPED	TJ	TIE JOIST
HORIZ	HORIZONTAL	T/O	TOP OF
HR.	HOUR (TIME)	TYP	TYPICAL
HT	HEIGHT	U/S	UNDERSIDE
INSUL	INSULATION	UNO	UNLESS NOTED OTHERWISE
ID	INSIDE DIAMETER	U.T.R	UNIVERSAL TOILET ROOM
INT	INTERIOR	VERT	VERTICAL
LG	LONG	W/	WITH
		WP	WEATHERPROOF
		W/R	WASHROOM

DRAWING LIST

NO.	DWG NAME	ISSUE DATE	ISSUED BY
A501	ARCHITECTURAL DETAILS	2023-09-19	PV
G000	COVER PAGE	2026-01-08	PV
G001	PROJECT INFORMATION	2026-01-08	PV
A011	ARCHITECTURAL SPECIFICATIONS	2026-01-08	PV
A012	ARCHITECTURAL SPECIFICATIONS	2026-01-08	PV
A021	ASSEMBLIES & SCHEDULES	2026-01-08	PV
A041	BUILDING & ENERGY CODE REVIEW	2026-01-08	PV
A042	BUILDING CODE REVIEW - SPATIAL SEPARATIONS	2026-01-08	PV
A043	BUILDING CODE REVIEW - UNIVERSAL WASHROOM DETAILS	2026-01-08	PV
A101	SITE PLAN	2026-01-08	PV
A211	FIRST STOREY - KEYPLAN	2026-01-08	PV
A212	FIRST STOREY - FLOOR PLAN - GRIDS 1-3	2026-01-08	PV
A213	FIRST STOREY - FLOOR PLAN - GRIDS 3-6	2026-01-08	PV
A214	FIRST STOREY - FLOOR PLAN - GRIDS 6-8	2026-01-08	PV
A231	ROOF PLAN	2026-01-08	PV
A301	BUILDING ELEVATIONS	2026-01-08	PV
A302	BUILDING ELEVATIONS	2026-01-08	PV

SYMBOL LEGEND

- 101A — DOOR TAG
- 101A — WINDOW TAG
- PW## — WALL TAG
- 1 — REVISION TAG
- F1 — FLOOR TAG
- 101 / Room name / CH: XX' - X" / 150 SF — ROOM TAG
- 1 — KEYNOTE TAG
- 1 / A101 — ELEVATION LABEL
- 1 / A101 — SECTION LABEL
- 1 / A101 — DETAIL LABEL
- 1 View Name 1/8" = 1'-0" — VIEW LABEL

DRAWING REVIEW

- ☐ ACCEPTED AS DRAWN
- ☐ ACCEPTED WITH COMMENTS (ATTACHED TO EMAIL)
- ☐ REVISE AND RESUBMIT

ALL COMMENTS SHALL BE ATTACHED IN THE RETURN EMAIL

PRINTED NAME: _____

SIGNATURE: _____

DATE: _____

NOTES:

1. BY ACCEPTING THIS DRAWING SET AS DRAWN, I ACKNOWLEDGE THAT ANY FUTURE DESIGN AMENDMENTS ARE SUBJECT TO ADDITIONAL DESIGN FEES AT KIRAS' DISCRESION ON A TIME AND DISPURSEMENT BASIS.

2. ANY CHANGES TO THE DRAWING SET - AFTER THE DRAWING SET HAS BEEN APPROVED BY THE CLIENT - BY OTHER DICIPLINES OR DESIGNERS OR PRODUCT SUPPLIERS THAT EFFECTS THE FORM OR FUNCTION OF THE BUILDING, CAN BE REVIEWED ONE TIME FOR THOSE ITEMS THAT HAVE BEEN CHANGED ONLY BUT DOES NOT ALLOW NEW COMMENTS OF OTHER ITEMS THAT HAVE BEEN APPROVED THAT DID NOT CHANGE.

KIRAS ENGINEERING

GENERAL NOTES

1. CODES AND STANDARDS:
ALL WORK SHALL COMPLY WITH THE LATEST EDITIONS OF APPLICABLE BUILDING CODES, LOCAL ORDINANCES, AND STANDARDS.

2. DIMENSIONS:
VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD BEFORE COMMENCING WORK. REPORT ANY DISCREPANCIES TO THE AUTHORIZING LICENSED PROFESSIONAL IMMEDIATELY.

3. MATERIALS AND WORKMANSHIP:
ALL MATERIALS AND WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY AND IN ACCORDANCE WITH THE SPECIFICATIONS. ANY DEFECTIVE WORK MUST BE RECTIFIED AT THE CONTRACTOR'S EXPENSE.

4. UTILITIES:
CONFIRM THE LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF WORK. PROTECT AND MAINTAIN ALL UTILITIES DURING CONSTRUCTION.

5. SAFETY:
FOLLOW ALL SAFETY REGULATIONS AND GUIDELINES. PROVIDE AND MAINTAIN NECESSARY SAFETY BARRIERS, SIGNAGE, AND PROTECTIVE EQUIPMENT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING AND COMPLYING WITH ON-SITE SAFETY REQUIREMENTS.

6. SITE ACCESS:
ENSURE THAT SITE ACCESS POINTS, STAGING AREAS, AND STORAGE LOCATIONS ARE CLEARLY MARKED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.

7. CHANGES:
ANY CHANGES TO THE CONSTRUCTION DRAWINGS MUST BE APPROVED BY THE AUTHORIZING LICENSED PROFESSIONAL.

8. COORDINATION:
COORDINATE ALL WORK WITH OTHER DISCIPLINES AND TRADES AND ENSURE THAT ALL INSTALLATIONS DO NOT INTERFERE WITH EXISTING OR PLANNED WORK. ANY DISCREPANCIES BETWEEN DISCIPLINES OR DRAWINGS OR IN THE FIELD SHALL BE REPORTED TO THE AUTHORIZING LICENSED PROFESSIONAL IMMEDIATELY.

9. INSPECTIONS:
SCHEDULE AND PERFORM ALL REQUIRED INSPECTIONS AS DICTATED BY LOCAL AUTHORITIES AND THE AUTHORIZING LICENSED PROFESSIONAL. NOTIFY THE AUTHORIZING LICENSED PROFESSIONAL A MINIMUM OF 72 HOURS PRIOR TO REQUIRING THE INSPECTION. DO NOT COVER ITEMS TO BE INSPECTED PRIOR TO INSPECTION.

10. CLEAN-UP:
MAINTAIN A CLEAN AND ORDERLY WORK SITE. REMOVE DEBRIS AND WASTE MATERIALS PROMPTLY.

11. SUBMITTALS:
SUBMIT ALL REQUIRED SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES TO THE AUTHORIZING LICENSED PROFESSIONAL FOR REVIEW AND APPROVAL BEFORE FABRICATION OR INSTALLATION.

NO.	ISSUED FOR:	ISSUED DATE:	BY:
CD-P00	IFP	2026-01-29	TE
DD-A3	IFR	2025-04-07	PV
DD-A2	IFR	2025-04-04	PV
DD-A1	IFR	2025-03-28	PV
SD-A2	IFR	2024-03-10	PV
SD-A1	IFR	2024-02-28	PV

ISSUED DRAWINGS

24090 - PROPOSED CRU BUILDING - BUILDING B
PARCEL Q, S.W.1/4 SECTION 29 TWP 17 - RGE.18 - W.2MER.
RM OF EDENWOLD, SK

BRANT SAFINUK
1-1827 HUSUM RD
RM OF SHERWOOD, SK S4K 0A4

AUTHORIZATION

VALIDATION

PROJECT INFORMATION

PROJECT NO:	SCALE:	PLOT SIZE:
24090	1" = 1' - 0"	24X36

PROJECT LEAD	PV
PROJECT MANAGER	TE
ARCHITECTURAL DESIGN LEAD	PV
BIM MODELLER	GD

ISSUED FOR REVIEW

G001

CD-P00

SECTION 06 05 73 - WOOD TREATMENT

Part 1: General

1.1 Scope
1. Provide all labour, materials, equipment, and services necessary to complete wood treatment as specified.

1.2 References
1. National Building Code of Canada (NBCC) 2020.
2. CSA O80 Series: Wood Preservation.
3. CSA O86: Engineering Design in Wood.
4. Related NMS Specifications:
   1. 06 10 00 - Rough Carpentry: For structural wood framing and sheathing.
   2. 06 20 00 - Finish Carpentry: For interior and exterior finish carpentry.
   3. 06 40 00 - Architectural Woodwork: For custom woodwork and cabinetry.

1.3 Submittals
1. Submit product data for wood treatment materials, including application instructions.
2. Provide samples of treated wood if required.

1.4 Quality Assurance
1. Wood treatment 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 treatment effectiveness.

Part 2: Products

2.1 Wood Treatment Materials
1. Preservatives: Conforming to CSA O80 Series, suitable for the intended use and exposure conditions.
2. Fire Retardants: Conforming to applicable standards, suitable for the intended use and exposure conditions.
3. Stains and Sealers: As specified, compatible with wood species and intended use.

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 wood surfaces.

Part 3: Execution

3.1 Preparation
1. Verify that wood surfaces are clean, dry, and free of contaminants.
2. Ensure that wood is properly prepared for treatment, including sanding or cleaning as necessary.

3.2 Application of Wood Treatments
1. Apply wood treatments in accordance with manufacturer's instructions and CSA O80 Series requirements.
2. Ensure uniform coverage and penetration of treatments.
3. Allow sufficient drying and curing time as specified by the manufacturer.

3.3 Finishing
1. Finish treated wood surfaces as specified, using approved methods and tools.
2. Apply additional coats if required to achieve desired finish and performance.

3.4 Curing and Protection
1. Protect treated wood surfaces from damage due to weather, construction activities, and other factors.
2. Maintain curing conditions as specified by the treatment manufacturer.

3.5 Testing and Inspection
1. Inspect treated wood surfaces for compliance with specifications and drawings.
2. Perform field tests for treatment penetration, retention, and other specified properties.

3.6 Repair and Patching
1. Repair any defects in treated wood surfaces as directed by the Engineer.
2. Use approved materials and methods for patching and repair.

End of Section

SECTION 06 20 00 - FINISH CARPENTRY

Part 1: General

1.1 Scope
1. Provide all labour, materials, equipment, and services necessary to complete finish carpentry as specified.

1.2 References
1. National Building Code of Canada (NBCC) 2020.
2. CSA O86: Engineering Design in Wood.
3. CSA O141: Softwood Lumber.
4. Related NMS Specifications:
   1. 06 05 73 - Wood Treatment: For wood treatment requirements.
   2. 06 10 53 - Miscellaneous Rough Carpentry: For structural framing and supports.
   3. 06 40 00 - Architectural Woodwork: For custom woodwork and cabinetry.

1.3 Submittals
1. Submit product data for finish carpentry materials, including lumber, trim, and fasteners.
2. Provide shop drawings for custom finish carpentry items if required.
3. Submit samples of finish carpentry materials and finishes if required.

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: Softwood or hardwood lumber conforming to CSA O141, graded and stamped.
2. Trim: Mouldings, baseboards, casings, and other trim as specified.
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 substrates and conditions are ready to receive finish carpentry work.
2. Ensure that wood is properly stored and protected from moisture and damage.

3.2 Installation
1. Install finish carpentry in accordance with CSA O86 and the approved shop drawings.
2. Use appropriate tools and techniques to ensure accurate and secure installation.
3. Maintain specified tolerances and alignment.

3.3 Trim Installation
1. Install trim, mouldings, baseboards, and casings as indicated on the drawings.
2. Secure trim with appropriate fasteners, ensuring proper penetration and spacing.
3. Install trim with tight joints and smooth surfaces, ready for finishing.

3.4 Finishing
1. Apply finishes to wood surfaces as specified, following manufacturer's instructions.
2. Ensure uniform coverage and proper drying time.

3.5 Inspection
1. Inspect finish carpentry work for compliance with specifications and drawings.
2. Correct any deficiencies before proceeding with subsequent work.

3.6 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 06 40 00 - ARCHITECTURAL WOODWORK

Part 1: General

1.1 Scope
1. Provide all labour, materials, equipment, and services necessary to complete architectural woodwork as specified.

1.2 References
1. National Building Code of Canada (NBCC) 2020.
2. Architectural Woodwork Standards (AWS).
3. CSA O141: Softwood Lumber.
4. Related NMS Specifications:
   1. 06 05 73 - Wood Treatment: For wood treatment requirements.
   2. 06 10 53 - 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 architectural woodwork materials, including lumber, veneers, and finishes.
2. Provide shop drawings for custom woodwork items if required.
3. Submit samples of wood species, finishes, and hardware if required.

1.4 Quality Assurance
1. Architectural woodwork 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: Softwood or hardwood lumber conforming to CSA O141, graded and stamped.
2. Veneers: High-quality veneers as specified, free from defects.
3. Plywood: Conforming to CSA O121, suitable for architectural woodwork.
4. 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.
3. Hardware: Hinges, handles, locks, and other hardware as specified.

Part 3: Execution

3.1 Preparation
1. Verify that substrates and conditions are ready to receive architectural woodwork.
2. Ensure that wood is properly stored and protected from moisture and damage.

3.2 Fabrication
1. Fabricate architectural woodwork in accordance with AWS and the approved shop drawings.
2. Use appropriate tools and techniques to ensure accurate and secure fabrication.
3. Maintain specified tolerances and alignment.

3.3 Installation
1. Install architectural woodwork in accordance with AWS and the approved shop drawings.
2. Use appropriate tools and techniques to ensure accurate and secure installation.
3. Maintain specified tolerances and alignment.

3.4 Finishing
1. Apply finishes to wood surfaces as specified, following manufacturer instructions.
2. Ensure uniform coverage and proper drying time.

3.5 Inspection
1. Inspect architectural woodwork for compliance with specifications and drawings.
2. Correct any deficiencies before proceeding with subsequent work.

3.6 Cleaning and Protection
1. Clean up debris and waste materials from architectural woodwork operations.
2. Protect installed woodwork from damage during construction.

End of Section

SECTION 06 41 93 - CABINET AND MISCELLANEOUS HARDWARE

Part 1: General

1.1 Scope
1. Provide all labour, materials, equipment, and services necessary to supply and install cabinet and miscellaneous hardware as specified.

1.2 References
1. National Building Code of Canada (NBCC) 2020.
2. Architectural Woodwork Standards (AWS).
3. CSA O141: Softwood Lumber.
4. Related NMS Specifications:
   1. 06 40 00 - Architectural Woodwork: For custom woodwork and cabinetry.
   2. 06 20 00 - Finish Carpentry: For interior and exterior finish carpentry.
   3. 06 10 53 - Miscellaneous Rough Carpentry: For structural framing and supports.

1.3 Submittals
1. Submit product data for cabinet and miscellaneous hardware, including hinges, handles, locks, and fasteners.
2. Provide shop drawings for custom hardware installations if required.
3. Submit samples of hardware finishes if required.

1.4 Quality Assurance
1. Cabinet and miscellaneous hardware 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. Hinges: Concealed or exposed hinges as specified, suitable for cabinet doors.
2. Handles and Pulls: As specified, in finishes matching or complementing the cabinetry.
3. Locks: Cabinet locks as specified, keyed alike or differently as required.
4. Fasteners: Screws, bolts, and other fasteners as required, suitable for interior use.

2.2 Accessories
1. Drawer Slides: Full-extension or partial-extension slides as specified, with soft-close or self-close mechanisms if required.
2. Shelf Supports: Adjustable or fixed shelf supports as specified.
3. Cabinet Latches: Magnetic or mechanical latches as specified.

Section Continues

Part 3: Execution

3.1 Preparation
1. Verify that substrates and conditions are ready to receive cabinet and miscellaneous hardware.
2. Ensure that cabinetry and other woodwork are properly installed and aligned before hardware installation.

3.2 Installation
1. Install cabinet and miscellaneous hardware in accordance with the manufacturer's instructions and the approved shop drawings.
2. Use appropriate tools and techniques to ensure accurate and secure installation.
3. Maintain specified tolerances and alignment.

3.3 Hardware Installation
1. Install hinges, handles, pulls, and locks as indicated on the drawings.
2. Secure hardware with appropriate fasteners, ensuring proper penetration and spacing.
3. Install drawer slides, shelf supports, and latches as required for a functional and finished appearance.

3.4 Finishing
1. Apply finishes to hardware as specified, following manufacturer's instructions.
2. Ensure uniform coverage and proper drying time.

3.5 Inspection
1. Inspect cabinet and miscellaneous hardware work for compliance with specifications and drawings.
2. Correct any deficiencies before proceeding with subsequent work.

3.6 Cleaning and Protection
1. Clean up debris and waste materials from hardware installation work.
2. Protect installed hardware from damage during construction.

End of Section

SECTION 06 41 93 - CABINET AND MISCELLANEOUS WOODWORK

Part 1: General

1.1 Scope
1. Provide all labour, materials, equipment, and services necessary to supply and install cabinet and miscellaneous hardware as specified.

1.2 References
1. National Building Code of Canada (NBCC) 2020.
2. Architectural Woodwork Standards (AWS).
3. CSA O141: Softwood Lumber.
4. Related NMS Specifications:
   1. 06 40 00 - Architectural Woodwork: For custom woodwork and cabinetry.
   2. 06 20 00 - Finish Carpentry: For interior and exterior finish carpentry.
   3. 06 10 53 - Miscellaneous Rough Carpentry: For structural framing and supports.

1.3 Submittals
1. Submit product data for cabinet and miscellaneous hardware, including hinges, handles, locks, and fasteners.
2. Provide shop drawings for custom hardware installations if required.
3. Submit samples of hardware finishes if required.

1.4 Quality Assurance
1. Cabinet and miscellaneous hardware 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. Hinges: Concealed or exposed hinges as specified, suitable for cabinet doors.
2. Handles and Pulls: As specified, in finishes matching or complementing the cabinetry.
3. Locks: Cabinet locks as specified, keyed alike or differently as required.
4. Fasteners: Screws, bolts, and other fasteners as required, suitable for interior use.

2.2 Accessories
1. Drawer Slides: Full-extension or partial-extension slides as specified, with soft-close or self-close mechanisms if required.
2. Shelf Supports: Adjustable or fixed shelf supports as specified.
3. Cabinet Latches: Magnetic or mechanical latches as specified.

Section Continues

Part 3: Execution

3.1 Preparation
1. Verify that substrates and conditions are ready to receive cabinet and miscellaneous hardware.
2. Ensure that cabinetry and other woodwork are properly installed and aligned before hardware installation.

3.2 Installation
1. Install cabinet and miscellaneous hardware in accordance with the manufacturer's instructions and the approved shop drawings.
2. Use appropriate tools and techniques to ensure accurate and secure installation.
3. Maintain specified tolerances and alignment.

3.3 Hardware Installation
1. Install hinges, handles, pulls, and locks as indicated on the drawings.
2. Secure hardware with appropriate fasteners, ensuring proper penetration and spacing.
3. Install drawer slides, shelf supports, and latches as required for a functional and finished appearance.

3.4 Finishing
1. Apply finishes to hardware as specified, following manufacturer's instructions.
2. Ensure uniform coverage and proper drying time.

3.5 Inspection
1. Inspect cabinet and miscellaneous hardware work for compliance with specifications and drawings.
2. Correct any deficiencies before proceeding with subsequent work.

3.6 Cleaning and Protection
1. Clean up debris and waste materials from hardware installation work.
2. Protect installed hardware from damage during construction.

End of Section

SECTION 07 21 00 - THERMAL INSULATION

Part 1: General

1.1 Scope
1. Provide all labour, materials, equipment, and services necessary to supply and install thermal insulation as specified.

1.2 References
1. National Building Code of Canada (NBCC) 2020.
2. CAN/ULC-S702: Standard for Mineral Fibre Thermal Insulation for Buildings.
3. CAN/ULC-S703: Standard for Cellulose Fibre Insulation (CFI) for Buildings.
4. ASTM C665: Standard Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing.
5. ASTM C578: Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.
6. Related NMS Specifications:
   1. 06 10 53 - Miscellaneous Rough Carpentry: For structural framing and supports.
   2. 07 21 13 - Board Insulation: For board insulation requirements.
   3. 07 21 16 - Blanket Insulation: For blanket insulation requirements.
   4. 07 21 23 - Loose-Fill Insulation: For loose-fill insulation requirements.
   5. 07 27 00 - Air Barriers: For air barrier requirements.

1.3 Submittals
1. Submit product data for thermal insulation materials, including installation instructions.
2. Provide samples of each type of thermal insulation if required.

1.4 Quality Assurance
1. Thermal 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. Blanket Insulation: Fiberglass or mineral wool blanket insulation conforming to CAN/ULC-S702.
2. Board Insulation: Extruded polystyrene (XPS) or expanded polystyrene (EPS) board insulation conforming to ASTM C578.
3. Loose-Fill Insulation: Cellulose, fiberglass, or mineral wool loose-fill insulation conforming to CAN/ULC-S703.
4. Spray Foam Insulation: Closed-cell or open-cell spray foam insulation as specified.

2.2 Accessories
1. Vapour Retarders: As specified, compatible with insulation material.
2. Adhesives: Compatible with insulation and substrates.
3. Fasteners: As recommended by insulation manufacturer.
4. Tape: For sealing joints between insulation boards, compatible with insulation material.

Part 3: Execution

3.1 Preparation
1. Verify that substrates and conditions are ready to receive thermal insulation.
2. Ensure surfaces are clean, dry, and free of contaminants.

3.2 Installation
1. Install thermal insulation in accordance with manufacturer's instructions.
2. Fit insulation tightly around penetrations and obstructions.
3. Secure insulation with appropriate fasteners, ensuring proper penetration and spacing.
4. Seal joints and edges of insulation with tape as specified.

3.3 Protection
1. Protect installed insulation from damage during construction.
2. Ensure insulation remains dry and free from exposure to harmful substances.

3.4 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 21 13 - BOARD INSULATION

Part 1: General

1.1 Scope
1. Provide all labour, materials, equipment, and services necessary to supply and install board insulation as specified.

1.2 References
1. National Building Code of Canada (NBCC) 2020.
2. CAN/ULC-S701: Standard for Thermal Insulation, Polystyrene, Boards and Pipe Covering.
3. ASTM C578: Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation.
4. Related NMS Specifications:
   1. 06 10 53 - Miscellaneous Rough Carpentry: For structural framing and supports.
   2. 07 21 00 - Thermal Insulation: For general thermal insulation requirements.
   3. 07 27 00 - Air Barriers: For air barrier requirements.

1.3 Submittals
1. Submit product data for board insulation materials, including installation instructions.
2. Provide samples of each type of board insulation if required.

1.4 Quality Assurance
1. Board 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: Extruded polystyrene (XPS) or expanded polystyrene (EPS) board insulation.
2. Thermal Resistance (R-value): Minimum R-5 per inch.
3. Compressive Strength: Minimum 140 kPa (20 psi) for XPS, 70 kPa (10 psi) for EPS.
4. Thickness: As indicated on drawings.

2.2 Accessories
1. Adhesives: Compatible with insulation and substrates.
2. Fasteners: As recommended by insulation manufacturer.
3. Tape: For sealing joints between insulation boards, compatible with insulation material.

Part 3: Execution

3.1 Preparation
1. Verify that substrates and conditions are ready to receive board insulation.
2. Ensure surfaces are clean, dry, and free of contaminants.

3.2 Installation
1. Install board insulation in accordance with manufacturer's instructions.
2. Use appropriate tools and techniques to ensure accurate and secure installation.
3. Maintain specified tolerances and alignment.

3.3 Hardware Installation
1. Install hinges, handles, pulls, and locks as indicated on the drawings.
2. Secure hardware with appropriate fasteners, ensuring proper penetration and spacing.
3. Install drawer slides, shelf supports, and latches as required for a functional and finished appearance.

3.4 Finishing
1. Apply finishes to hardware as specified, following manufacturer's instructions.
2. Ensure uniform coverage and proper drying time.

3.5 Inspection
1. Inspect cabinet and miscellaneous hardware work for compliance with specifications and drawings.
2. Correct any deficiencies before proceeding with subsequent work.

3.6 Cleaning and Protection
1. Clean up debris and waste materials from hardware installation work.
2. Protect installed hardware from damage during construction.

End of Section

SECTION 07 21 16 - BLANKET INSULATION

Part 1: General

1.1 Scope
1. Provide all labour, materials, equipment, and services necessary to supply and install blanket insulation as specified.

1.2 References
1. National Building Code of Canada (NBCC) 2020.
2. CAN/ULC-S702: Standard for Mineral Fibre Thermal Insulation for Buildings.
3. ASTM C665: Standard Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing.
4. Related NMS Specifications:
   1. 06 10 53 - Miscellaneous Rough Carpentry: For structural framing and supports.
   2. 07 21 00 - Thermal Insulation: For general thermal insulation requirements.
   3. 07 27 00 - Air Barriers: For air barrier requirements.

1.3 Submittals
1. Submit product data for blanket insulation materials, including installation instructions.
2. Provide samples of each type of blanket insulation if required.

1.4 Quality Assurance
1. Blanket 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: Fiberglass or mineral wool blanket insulation.
2. Thermal Resistance (R-value): Minimum R-35 per inch.
3. Fire Resistance: Non-combustible, conforming to CAN/ULC-S702.
4. Facing: Kraft paper, foil, or other vapor retarder as specified.

2.2 Accessories
1. Fasteners: Staples, wires, or other fasteners as recommended by insulation manufacturer.
2. Tape: For sealing joints and edges of faced insulation, compatible with insulation material.

Part 3: Execution

3.1 Preparation
1. Verify that substrates and conditions are ready to receive blanket insulation.
2. Ensure surfaces are clean, dry, and free of contaminants.

3.2 Installation
1. Install blanket insulation in accordance with manufacturer's instructions.
2. Fit insulation tightly between framing members, ensuring no gaps or voids.
3. Secure insulation with appropriate fasteners, ensuring proper penetration and spacing.
4. Seal joints and edges of faced insulation with tape as specified.

3.3 Protection
1. Protect installed insulation from damage during construction.
2. Ensure insulation remains dry and free from exposure to harmful substances.

3.4 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 21 23 - LOOSE-FILL INSULATION

Part 1: General

1.1 Scope
1. Provide all labour, materials, equipment, and services necessary to supply and install loose-fill insulation as specified.

1.2 References
1. National Building Code of Canada (NBCC) 2020.
2. CAN/ULC-S703: Standard for Cellulose Fibre Insulation (CFI) for Buildings.
3. ASTM C764: Standard Specification for Mineral Fiber Loose-Fill Thermal Insulation.
4. Related NMS Specifications:
   1. 06 10 53 - Miscellaneous Rough Carpentry: For structural framing and supports.
   2. 07 21 00 - Thermal Insulation: For general thermal insulation requirements.
   3. 07 27 00 - Air Barriers: For air barrier requirements.

1.3 Submittals
1. Submit product data for loose-fill insulation materials, including installation instructions.
2. Provide samples of each type of loose-fill insulation if required.

1.4 Quality Assurance
1. Loose-fill 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: Cellulose, fiberglass, or mineral wool loose-fill insulation.
2. Thermal Resistance (R-value): Minimum R-3.5 per inch.
3. Fire Resistance: Non-combustible, conforming to CAN/ULC-S703 or ASTM C764.

2.2 Accessories
1. Vapour Retarders: As specified, compatible with loose-fill insulation material.
2. Blowing Equipment: As recommended by insulation manufacturer for proper installation.

Part 3: Execution

3.1 Preparation
1. Verify that substrates and conditions are ready to receive loose-fill insulation.
2. Ensure surfaces are clean, dry, and free of contaminants.

3.2 Installation
1. Install loose-fill insulation in accordance with manufacturer's instructions.
2. Use appropriate blowing equipment to ensure even distribution and proper density.
3. Fill cavities completely, ensuring no gaps or voids.

3.3 Protection
1. Protect installed insulation from damage during construction.
2. Ensure insulation remains dry and free from exposure to harmful substances.

3.4 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 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. CAN/ULC-S705.1 Standard for Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density - Material Specification.
3. ASTM C1029: Standard Specification for Spray-Applied Rigid Cellular Polyurethane Thermal Insulation.
4. Related NMS Specifications:
   1. 06 10 53 - 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 sprayed insulation materials, including installation instructions.
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. Thermal Resistance (R-value): Minimum R-6 per inch for closed-cell, R-3.5 per inch for open-cell.
3. Fire Resistance: Conforming to CAN/ULC-S705.1 or ASTM C1029.

2.2 Accessories
1. Vapor Retarders: As specified, compatible with sprayed insulation material.
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 manufacturer's instructions.
2. Apply insulation to the specified thickness, ensuring even coverage and proper adhesion.
3. Fit insulation tightly around penetrations and obstructions.
4. Seal joints and edges of insulation with tape as required.

3.3 Protection
1. Protect installed insulation from damage during construction.
2. Ensure insulation remains dry and free from exposure to harmful substances.

3.4 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 00 - 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. CAN/ULC-S701: Standard for Thermal Insulation, Polystyrene, Boards and Pipe Covering.
3. ASTM E96: Standard Test Methods for Water Vapor Transmission of Materials.
4. Related NMS Specifications:
   1. 06 10 53 - Miscellaneous Rough Carpentry: For structural framing and supports.
   2. 07 21 00 - Thermal Insulation: For general thermal insulation requirements.
   3. 07 27 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 Materials
1. Vapour Retarders: Polyethylene sheeting, foil-faced kraft paper, or other approved materials conforming to CAN/ULC-S701 and ASTM E96.
2. Thickness: Minimum 6 mil (0.15 mm) for polyethylene sheeting, or as specified.

2.2 Accessories
1. Tape: Compatible with vapour retarder material for sealing joints and penetrations.
2. Adhesives: Compatible with vapour retarder and substrates.
3. Fasteners: Staples, nails, or other fasteners as recommended by the manufacturer.

Part 3: Execution

3.1 Preparation
1. Verify that substrates and conditions are ready to receive vapour retarders.
2. Ensure surfaces are clean, dry, and free of contaminants.

3.2 Installation
1. Install vapour retarders in accordance with manufacturer's instructions.
2. Apply vapour retarders continuously over the entire surface to be protected, ensuring no gaps or voids.
3. Overlap seams by a minimum of 150 mm (6 inches) and seal with tape or adhesive as specified.
4. Fit vapour retarders tightly around penetrations and obstructions, sealing all edges.

3.3 Protection
1. Protect installed vapour retarders from damage during construction.
2. Ensure vapour retarders remain dry and free from exposure to harmful substances.

3.4 Inspection
1. Inspect vapour retarder 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 vapour retarder installation.
2. Protect installed vapour retarders from damage during construction.

End of Section

SECTION 07 27 00 - AIR BARRIERS

Part 1: General

1.1 Scope
1. Provide all labour, materials, equipment, and services necessary to supply and install air barriers as specified.

1.2 References
1. National Building Code of Canada (NBCC) 2020.
2. ASTM E2178: Standard Test Method for Air Permeance of Building Materials.
3. ASTM E2357: Standard Test Method for Determining Air Leakage of Air Barrier Assemblies.
4. Related NMS Specifications:
   1. 06 10 53 - Miscellaneous Rough Carpentry: For structural framing and supports.
   2. 07 21 00 - Thermal Insulation: For general thermal insulation requirements.
   3. 07 25 00 - Vapour Retarders: For vapour retarder requirements.

1.3 Submittals
1. Submit product data for air barrier materials, including installation instructions and performance data.
2. Provide test reports demonstrating compliance with specified performance criteria.

1.4 Quality Assurance
1. Air barrier 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 compliance with performance criteria.

Part 2: Products

2.1 Performance Requirements
1. Air Permeance: Air barrier materials shall have an air permeance not greater than 0.02 L/(s·m²) at 75 Pa when tested in accordance with ASTM E2178.
2. Air Leakage: Air barrier assemblies shall have an air leakage rate not greater than 0.2 L/(s·m²) at 75 Pa when tested in accordance with ASTM E2357.
3. Durability: Air barrier materials shall be durable and capable of maintaining performance for the life of the building.

2.2 Materials
1. Air Barrier Membrane: Self-adhered or fluid-applied membrane meeting the specified performance requirements.
2. Accessories: Primers, tapes, sealants, and fasteners as recommended by the air barrier manufacturer.

Part 3: Execution

3.1 Preparation
1. Verify that substrates and conditions are ready to receive air barriers.
2. Ensure surfaces are clean, dry, and free of contaminants.

3.2 Installation
1. Install air barriers in accordance with manufacturer's instructions and the approved submittals.
2. Apply air barrier materials continuously over the entire surface to be protected, ensuring no gaps or voids.
3. Seal all joints, seams, and penetrations with appropriate accessories to ensure a continuous air barrier.
4. Seal joints and edges of faced insulation with tape as specified.

3.3 Protection
1. Protect installed air barriers from damage during construction.
2. Ensure air barriers remain intact and free from exposure to harmful substances.

3.4 Inspection
1. Inspect air barrier 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 air barrier installation.
2. Protect installed air barriers from damage during construction.

End of Section

SECTION 07 31 13 - ASPHALT SHINGLES

Part 1: General

1.1 Scope
1. Provide all labour, materials, equipment, and services necessary to supply and install asphalt shingles as specified.

1.2 References
1. National Building Code of Canada (NBCC) 2020.
2. CSA A123.3: Asphalt Shingles Made from Glass Felt and Surfaced with Mineral Granules.
3. ASTM D3462: Standard Specification for Asphalt Shingles Made from Glass Felt and Surfaced with Mineral Granules.
4. Related NMS Specifications:
   1. 06 10 53 - Miscellaneous Rough Carpentry: For structural framing and supports.
   2. 07 21 00 - Thermal Insulation: For general thermal insulation requirements.
   3. 07 27 00 - Air Barriers: For air barrier requirements.

1.3 Submittals
1. Submit product data for asphalt shingles, including installation instructions.
2. Provide samples of each type and colour of asphalt shingles if required.

1.4 Quality Assurance
1. Asphalt shingle 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 verify material properties and installation quality.

Part 2: Products

2.1 Materials
1. Asphalt Shingles: Conforming to CSA A123.1 and ASTM D3462, in colours and styles as specified.
2. Underlayment: Asphalt-saturated felt or synthetic underlayment as recommended by the shingle manufacturer.
3. Fasteners: Galvanized or stainless steel nails, as recommended by the shingle manufacturer.

2.2 Accessories
1. Ridge Vents: As specified, compatible with asphalt shingles.
2. Flashing: Metal flashing conforming to Section 07 62 00 - Sheet Metal Flashing and Trim.
3. Sealants: As recommended by the shingle manufacturer, compatible with roofing materials.

Part 3: Execution

3.1 Preparation
1. Verify that substrates and conditions are ready to receive asphalt shingles.
2. Ensure surfaces are clean, dry, and free of contaminants.

3.2 Installation
1. Install asphalt shingles in accordance with manufacturer's instructions and the approved submittals.
2. Apply underlayment over the entire roof deck, ensuring proper overlap and fastening.
3. Install shingles starting from the bottom edge of the roof, working upwards, ensuring proper alignment and overlap.
4. Secure shingles with appropriate fasteners, ensuring proper penetration and spacing.
5. Install ridge vents, flashing, and other accessories as specified.

3.3 Protection
1. Protect installed shingles from damage during construction.
2. Ensure shingles remain intact and free from exposure to harmful substances.

3.4 Inspection
1. Inspect shingle 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 shingle installation.
2. Protect installed shingles from damage during construction.

End of Section

SECTION 07 46 33 - PLASTIC SIDING (VINYL)

Part 1: General

1.1 Scope
1. Provide all labour, materials, equipment, and services necessary to supply and install plastic siding as specified.

1.2 References
1. National Building Code of Canada (NBCC) 2020.
2. ASTM D3679: Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Siding.
3. ASTM D4477: Standard Specification for Rigid (Unplasticized) Poly(Vinyl Chloride) (PVC) Soffit.
4. Related NMS Specifications:
   1. 06 10 53 - Miscellaneous Rough Carpentry: For structural framing and supports.
   2. 07 62 00 - Sheet Metal Flashing and Trim: For flashing and trim requirements.
   3. 07 92 00 - Joint Sealants: For sealing joints and penetrations.

1.3 Submittals
1. Submit product data for plastic siding, including installation instructions.
2. Provide samples of each type and colour of plastic siding if required.

1.4 Quality Assurance
1. Plastic siding 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 verify material properties and installation quality.

Part 2: Products

2.1 Materials
1. Plastic Siding: Rigid polyvinyl chloride (PVC) siding conforming to ASTM D3679, in colours and styles as specified.
2. Soffit: Rigid PVC soffit conforming to ASTM D4477, in colours and styles as specified.
3. Fasteners: Corrosion-resistant nails or screws as recommended by the siding manufacturer.

2.2 Accessories
1. Trim and Mouldings: Matching or complementary trim and mouldings as specified.
2. Flashing: Metal flashing conforming to Section 07 62 00 - Sheet Metal Flashing and Trim.
3. Sealants: As recommended by the siding manufacturer, compatible with siding materials.

Part 3: Execution

3.1 Preparation
1. Verify that substrates and conditions are ready to receive plastic siding.
2. Ensure surfaces are clean, dry, and free of contaminants.

3.2 Installation
1. Install plastic siding in accordance with manufacturer's instructions and the approved submittals.
2. Apply a weather-resistant barrier over the entire wall surface, ensuring proper overlap and fastening.
3. Install siding starting from the bottom edge of the wall, working upwards, ensuring proper alignment and overlap.
4. Secure siding with appropriate fasteners, ensuring proper penetration and spacing.
5. Install soffit, trim, flashing, and other accessories as specified.

3.3 Protection
1. Protect installed siding from damage during construction.
2. Ensure siding remains intact and free from exposure to harmful substances.

3.4 Inspection
1. Inspect siding 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 siding installation.
2. Protect installed siding from damage during construction.

End of Section

SECTION 07 61 00 - SHEET METAL ROOFING

Part 1: General

1.1 Scope
1. Provide all labour, materials, equipment, and services necessary to supply and install sheet metal roofing as specified.

1.2 References
1. National Building Code of Canada (NBCC) 2020.
2. CSA A123.3: Asphalt Saturated Organic Felt Used in Roofing and Waterproofing.
3. ASTM A653: Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
4. ASTM B209: Standard Specification for Aluminium and Aluminium-Alloy Sheet and Plate.
5. Related NMS Specifications:
   1. 06 10 53 - Miscellaneous Rough Carpentry: For structural framing and supports.
   2. 07 62 00 - Sheet Metal

SECTION 09 65 16 - RESILIENT SHEET FLOORING

Part 1: General

1.1 Scope

1. Provide all labour, materials, equipment, and services necessary to supply and install resilient sheet flooring as specified.

1.2 References

1. National Building Code of Canada (NBCC) 2020.
2. CAN/CSA-A126.1: Vinyl Sheet Flooring.
3. CAN/CSA-A126.2: Rubber Sheet Flooring.
4. Related NMS Specifications:
    1. 03 30 00 - Cast-in-Place Concrete: For concrete substrate requirements.
    2. 09 21 16 - Gypsum Board Assemblies: For wall and ceiling assemblies.
    3. 09 91 00 - Painting: For painting requirements.

1.3 Submittals

1. Submit product data for resilient sheet flooring materials, including installation instructions and performance data.
2. Provide shop drawings for custom flooring installations if required.
3. Submit samples of resilient sheet flooring materials and finishes if required.

1.4 Quality Assurance

1. Resilient sheet flooring 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 verify material properties and installation quality.

Part 2: Products

2.1 Materials

1. Resilient Sheet Flooring: Vinyl or rubber sheet flooring conforming to CAN/CSA-A126.1 or CAN/CSA-A126.2, in colours and patterns as specified.
2. Adhesives: As recommended by the flooring manufacturer, compatible with substrate and flooring materials.
3. Seam Sealer: As recommended by the flooring manufacturer, compatible with flooring materials.

2.2 Accessories

1. Edge Strips: Metal or vinyl edge strips as specified, compatible with flooring materials.
2. Underlayment: As recommended by the flooring manufacturer, compatible with substrate and flooring materials.
3. Sealants: As recommended by the flooring manufacturer, compatible with flooring materials.

Part 3: Execution

3.1 Preparation

1. Verify that substrates and conditions are ready to receive resilient sheet flooring.
2. Ensure surfaces are clean, dry, and free of contaminants.
3. Apply primer to substrates as recommended by the flooring manufacturer.

3.2 Installation

1. Install resilient sheet flooring in accordance with manufacturer instructions and the approved submittals.
2. Apply adhesive to substrate using the recommended trowel size and pattern.
3. Lay flooring sheets, ensuring proper alignment and fit.
4. Roll flooring with a heavy roller to ensure proper adhesion.
5. Seal seams with seam sealer as specified.

3.3 Protection

1. Protect installed flooring from damage during construction.
2. Ensure flooring remains intact and free from exposure to harmful substances.

3.4 Inspection

1. Inspect flooring 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 flooring installation.
2. Protect installed flooring from damage during construction.

End of Section

SECTION 09 68 13 - TILE CARPETING

Part 1: General

1.1 Scope

1. Provide all labour, materials, equipment, and services necessary to supply and install tile carpeting as specified.

1.2 References

1. National Building Code of Canada (NBCC) 2020.
2. CAN/CGSB-4.129: Carpet Tile.
3. CAN/ULC-S102.2: Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies.

1.3 Submittals

1. Submit product data for tile carpeting materials, including installation instructions and performance data.
2. Provide shop drawings for custom carpeting installations if required.
3. Submit samples of tile carpeting materials and finishes if required.

1.4 Quality Assurance

1. Tile carpeting 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 verify material properties and installation quality.

Part 2: Products

2.1 Materials

1. Tile Carpeting: Carpet tiles conforming to CAN/CGSB-4.129, in colors and patterns as specified.
2. Adhesives: As recommended by the carpet tile manufacturer, compatible with substrate and tile materials.
3. Edge Strips: Metal or vinyl edge strips as specified, compatible with tile materials.

2.2 Accessories

1. Underlayment: As recommended by the carpet tile manufacturer, compatible with substrate and tile materials.
2. Sealants: As recommended by the carpet tile manufacturer, compatible with tile materials.

Part 3: Execution

3.1 Preparation

1. Verify that substrates and conditions are ready to receive tile carpeting.
2. Ensure surfaces are clean, dry, and free of contaminants.
3. Apply primer to substrates as recommended by the carpet tile manufacturer.

3.2 Installation

1. Install tile carpeting in accordance with manufacturers instructions and the approved submittals.
2. Apply adhesive to substrate using the recommended trowel size and pattern.
3. Lay carpet tiles, ensuring proper alignment and fit.
4. Roll carpet tiles with a heavy roller to ensure proper adhesion.
5. Install edge strips as specified.

3.3 Protection

1. Protect installed carpeting from damage during construction.
2. Ensure carpeting remains intact and free from exposure to harmful substances.

3.4 Inspection

1. Inspect carpeting 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 carpeting installation.
2. Protect installed carpeting from damage during construction.

End of Section

SECTION 09 91 13 - EXTERIOR PAINTING

Part 1: General

1.1 Scope

1. Provide all labour, materials, equipment, and services necessary to complete exterior painting as specified.

1.2 References

1. National Building Code of Canada (NBCC) 2020.
2. CAN/CGSB-1.181: Ready-Mixed Organic Zinc-Rich Coating.
3. CAN/CGSB-1.189: Exterior Alkyd Primer for Wood.
4. CAN/CGSB-1.72: Exterior Latex Paint.

1.3 Submittals

1. Submit product data for paints and coatings, including installation instructions and performance data.
2. Provide colour samples and finish samples for approval.
3. Submit safety data sheets (SDS) for all products used.

1.4 Quality Assurance

1. Painting work to be performed by qualified personnel.
2. Mock-ups: Construct mock-ups as required to demonstrate quality of work.
3. Testing: Perform adhesion and coverage tests as required to verify material properties and installation quality.

Part 2: Products

2.1 Materials

1. Primer: Exterior alkyd primer for wood conforming to CAN/CGSB-1.189.
2. Topcoat: Exterior latex paint conforming to CAN/CGSB-1.72, in colours and finishes as specified.
3. Zinc-Rich Coating: Ready-mixed organic zinc-rich coating conforming to CAN/CGSB-1.181 for metal surfaces.
4. Sealants: As recommended by the paint manufacturer, compatible with substrates and paint materials.

2.2 Accessories

1. Brushes, Rollers, and Sprayers: As recommended by the paint manufacturer for the specified products.
2. Cleaning Solvents: As recommended by the paint manufacturer, compatible with substrates and paint materials.
3. Protective Coverings: Drop cloths, masking tape, and other materials to protect adjacent surfaces.

Part 3: Execution

3.1 Preparation

1. Verify that substrates and conditions are ready to receive paint.
2. Ensure surfaces are clean, dry, and free of contaminants.
3. Remove loose and peeling paint, rust, and other surface imperfections.
4. Apply primer to substrates as recommended by the paint manufacturer.

3.2 Application

1. Apply paint in accordance with manufacturers instructions and the approved submittals.
2. Use appropriate tools and techniques to ensure even coverage and proper adhesion.
3. Apply primer and topcoat to the specified thickness, ensuring proper drying times between coats.
4. Apply zinc-rich coating to metal surfaces as specified.

3.3 Protection

1. Protect adjacent surfaces from paint splatters and overspray.
2. Ensure painted surfaces remain intact and free from exposure to harmful substances during drying and curing.

3.4 Inspection

1. Inspect painted surfaces 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 painting operations.
2. Protect painted surfaces from damage during construction.

Section Continues

SECTION 09 91 23 - INTERIOR PAINTING

Part 1: General

1.1 Scope

1. Provide all labour, materials, equipment, and services necessary to complete interior painting as specified.

1.2 References

1. National Building Code of Canada (NBCC) 2020.
2. CAN/CGSB-1.119: Primer, Sealer, and Undercoater for Interior Use.
3. CAN/CGSB-1.100: Latex Paint for Interior Use.
4. CAN/CGSB-1.105: Alkyd Paint for Interior Use.

1.3 Submittals

1. Submit product data for paints and coatings, including installation instructions and performance data.
2. Provide colour samples and finish samples for approval.
3. Submit safety data sheets (SDS) for all products used.

1.4 Quality Assurance

1. Painting work to be performed by qualified personnel.
2. Mock-ups: Construct mock-ups as required to demonstrate quality of work.
3. Testing: Perform adhesion and coverage tests as required to verify material properties and installation quality.

Part 2: Products

2.1 Materials

1. Primer: Interior primer, sealer, and undercoater conforming to CAN/CGSB-1.119.
2. Topcoat: Latex paint for interior use conforming to CAN/CGSB-1.100, or alkyd paint for interior use conforming to CAN/CGSB-1.105, in colours and finishes as specified.
3. Sealants: As recommended by the paint manufacturer, compatible with substrates and paint materials.

2.2 Accessories

1. Brushes, Rollers, and Sprayers: As recommended by the paint manufacturer for the specified products.
2. Cleaning Solvents: As recommended by the paint manufacturer, compatible with substrates and paint materials.
3. Protective Coverings: Drop cloths, masking tape, and other materials to protect adjacent surfaces.

Part 3: Execution

3.1 Preparation

1. Verify that substrates and conditions are ready to receive paint.
2. Ensure surfaces are clean, dry, and free of contaminants.
3. Remove loose and peeling paint, rust, and other surface imperfections.
4. Apply primer to substrates as recommended by the paint manufacturer.

3.2 Application

1. Apply paint in accordance with manufacturers instructions and the approved submittals.
2. Use appropriate tools and techniques to ensure even coverage and proper adhesion.
3. Apply primer and topcoat to the specified thickness, ensuring proper drying times between coats.

3.3 Protection

1. Protect adjacent surfaces from paint splatters and overspray.
2. Ensure painted surfaces remain intact and free from exposure to harmful substances during drying and curing.

3.4 Inspection

1. Inspect painted surfaces 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 painting operations.
2. Protect painted surfaces from damage during construction.

End of Section

SECTION 32 31 26 - WIRE FENCES AND GATES

Part 1: General

1.1 Scope

1. Provide all labour, materials, equipment, and services necessary to supply and install wire fences and gates as specified.

1.2 References

1. National Building Code of Canada (NBCC) 2020.
2. CSA G164: Hot-Dip Galvanizing of Irregularly Shaped Articles.
3. CSA W59: Welded Steel Construction (Metal Arc Welding).

1.3 Submittals

1. Submit product data for wire fences and gates, including installation instructions and performance data.
2. Provide shop drawings for custom fence and gate installations if required.
3. Submit samples of wire fence and gate materials and finishes if required.

1.4 Quality Assurance

1. Wire fence and gate 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 verify material properties and installation quality.

Part 2: Products

2.1 Materials

1. Wire Fencing: Galvanized steel wire conforming to CSA G164, in mesh sizes and wire gauges as specified.
2. Fence Posts: Galvanized steel posts conforming to CSA G164, in sizes and shapes as specified.
3. Gates: Galvanized steel gates conforming to CSA G164, in sizes and configurations as specified.
4. Fasteners: Galvanized or stainless steel fasteners as recommended by the fence manufacturer.

2.2 Accessories

1. Tension Wire: Galvanized steel tension wire as specified, compatible with wire fencing.
2. Bracing: Galvanized steel bracing as specified, compatible with fence posts and wire fencing.
3. Gate Hardware: Hinges, latches, and other hardware as specified, compatible with gates and posts.

Part 3: Execution

3.1 Preparation

1. Verify that substrates and conditions are ready to receive wire fences and gates.
2. Ensure surfaces are clean, dry, and free of contaminants.
3. Perform site preparation and grading as required to ensure proper installation.

3.2 Installation

1. Install fence posts in accordance with manufacturers instructions and the approved submittals.
2. Set posts in concrete footings as specified, ensuring proper alignment and spacing.
3. Install wire fencing to posts, ensuring proper tension and attachment.
4. Install gates and gate hardware as specified, ensuring proper alignment and operation.
5. Apply tension wire and bracing as required to ensure structural stability.

3.3 Protection

1. Protect installed fences and gates from damage during construction.
2. Ensure fences and gates remain intact and free from exposure to harmful substances.

3.4 Inspection

1. Inspect fence and gate 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 fence and gate installation.
2. Protect installed fences and gates from damage during construction.

End of Section

KIRAS ENGINEERING

GENERAL NOTES

1. **CODES AND STANDARDS:** ALL WORK SHALL COMPLY WITH THE LATEST EDITIONS OF APPLICABLE BUILDING CODES, LOCAL ORDINANCES, AND STANDARDS.
2. **DIMENSIONS:** VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD BEFORE COMMENCING WORK. REPORT ANY DISCREPANCIES TO THE AUTHORIZING LICENSED PROFESSIONAL IMMEDIATELY.
3. **MATERIALS AND WORKMANSHIP:** ALL MATERIALS AND WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY AND IN ACCORDANCE WITH THE SPECIFICATIONS. ANY DEFECTIVE WORK MUST BE RECTIFIED AT THE CONTRACTOR'S EXPENSE.
4. **UTILITIES:** CONFIRM THE LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF WORK. PROTECT AND MAINTAIN ALL UTILITIES DURING CONSTRUCTION.
5. **SAFETY:** FOLLOW ALL SAFETY REGULATIONS AND GUIDELINES. PROVIDE AND MAINTAIN NECESSARY SAFETY BARRIERS, SIGNAGE, AND PROTECTIVE EQUIPMENT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING AND COMPLYING WITH ON-SITE SAFETY REQUIREMENTS.
6. **SITE ACCESS:** ENSURE THAT SITE ACCESS POINTS, STAGING AREAS, AND STORAGE LOCATIONS ARE CLEARLY MARKED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
7. **CHANGES:** ANY CHANGES TO THE CONSTRUCTION DRAWINGS MUST BE APPROVED BY THE AUTHORIZING LICENSED PROFESSIONAL.
8. **COORDINATION:** COORDINATE ALL WORK WITH OTHER DISCIPLINES AND TRADES AND ENSURE THAT ALL INSTALLATIONS DO NOT INTERFERE. WITH EXISTING OR PLANNED WORK. ANY DISCREPANCIES BETWEEN DISCIPLINES OR DRAWINGS OR IN THE FIELD SHALL BE REPORTED TO THE AUTHORIZING LICENSED PROFESSIONAL IMMEDIATELY.
9. **INSPECTIONS:** SCHEDULE AND PERFORM ALL REQUIRED INSPECTIONS AS DICTATED BY LOCAL AUTHORITIES AND THE AUTHORIZING LICENSED PROFESSIONAL. NOTIFY THE AUTHORIZING LICENSED PROFESSIONAL A MINIMUM OF 72 HOURS PRIOR TO REQUIRING THE INSPECTION. DO NOT COVER ITEMS TO BE INSPECTED PRIOR TO INSPECTION.
10. **CLEAN-UP:** MAINTAIN A CLEAN AND ORDERLY WORK SITE. REMOVE DEBRIS AND WASTE MATERIALS PROMPTLY.
11. **SUBMITTALS:** SUBMIT ALL REQUIRED SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES TO THE AUTHORIZING LICENSED PROFESSIONAL FOR REVIEW AND APPROVAL BEFORE FABRICATION OR INSTALLATION.

NO.	ISSUED FOR:	ISSUED DATE:	BY:
CD P00	IFP	2026-01-29	TE
DD A3	IFR	2025-04-07	PV
DD A2	IFR	2025-04-04	PV
DD A1	IFR	2025-03-28	PV

ISSUED DRAWINGS

24090 - PROPOSED CRU BUILDING - BUILDING B

PARCEL Q, S.W.1/4 SECTION 29 TWP.17 - RGE.18 - W.2MER.
RM OF EDENWOLD, SK

BRANT SAFINUK

1-182 HUSUM RD
RM OF SHERWOOD, SK S4K 0A4

AUTHORIZATION

PROFESSIONAL ENGINEER
PROVINCE OF SASKATCHEWAN
PV EDWARDS
NUMBER 35203
2026-01-29
YR. MN. DAY

VALIDATION

Association of Professional Engineers & Geoscientists of Saskatchewan
CERTIFICATE OF AUTHORIZATION
Kiras Engineering Ltd.
Number C2328
Permission to Consult held by:

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

PROJECT NO: 24090	SCALE:	PLOT SIZE: 24X36
PROJECT LEAD		PV
PROJECT MANAGER		TE
ARCHITECTURAL DESIGN LEAD		PV
BIM MODELLER		GD

ISSUED FOR REVIEW

A012

CD-P00

DOORS SCHEDULE

BASIC INFORMATION						DOOR PANEL					DOOR FRAME		DOOR HARDWARE						COMMENTS
NUMBER	TYPE	SUB-TYPE	FRR	INSULATED	MIN U-VALUE	WIDTH	HEIGHT	PANEL MATERIAL	GLAZING	FINISH	FRAME MATERIAL	FINISH	HARDWARE KEY CODE	DOOR STOP	DOOR SWEEP	KICKPLATE	WEATHER STRIPPING	THRESHOLD	
1-101A	PRIMARY ENTRANCE	LH OUTSWING	0 HR	YES	1.90	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	1	YES	NO	NO	YES	YES	C/W POWER DOOR OPERATOR
1-101B	PASSAGE	LH INSWING	0 HR	NO	N/A	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	3	YES	NO	NO	NO	NO	-
1-102A	EXIT	RH OUTSWING	0 HR	YES	1.90	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	2	YES	NO	NO	YES	YES	-
1-102B	EXIT	LH OUTSWING	0 HR	YES	1.90	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	2	YES	NO	NO	YES	YES	-
1-102C	OH DOOR	-	0 HR	YES	1.90	14' - 0"	14' - 0"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	7	NO	NO	NO	YES	NO	-
1-102D	OH DOOR	-	0 HR	YES	1.90	14' - 0"	14' - 0"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	7	NO	NO	NO	YES	NO	-
1-103	UNIVERSAL WASHROOM	LH INSWING	0 HR	NO	N/A	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	5	YES	NO	NO	NO	NO	C/W POWER DOOR OPERATOR
1-104	STORAGE/CLOSET	LH OUTSWING	0 HR	NO	N/A	2' - 4"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	4	YES	NO	NO	NO	NO	-
1-105A	PRIMARY ENTRANCE	LH OUTSWING	0 HR	YES	1.90	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	1	YES	NO	NO	YES	YES	C/W POWER DOOR OPERATOR
1-105B	PASSAGE	LH INSWING	0 HR	NO	N/A	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	3	YES	NO	NO	NO	NO	-
1-106	WATER CLOSET	RH INSWING	0 HR	NO	N/A	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	8	YES	NO	NO	NO	NO	-
1-107	STORAGE/CLOSET	RH OUTSWING	0 HR	NO	N/A	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	4	YES	NO	NO	NO	NO	-
2-101A	PRIMARY ENTRANCE	LH OUTSWING	0 HR	YES	1.90	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	1	YES	NO	NO	YES	YES	C/W POWER DOOR OPERATOR
2-102	UNIVERSAL WASHROOM	LH INSWING	0 HR	NO	N/A	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	5	YES	NO	NO	NO	NO	C/W POWER DOOR OPERATOR
2-102A	EXIT	LH OUTSWING	0 HR	YES	1.90	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	2	YES	NO	NO	YES	YES	-
2-102B	OH DOOR	-	0 HR	YES	1.90	14' - 0"	14' - 0"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	7	NO	NO	NO	YES	NO	-
2-103	STORAGE/CLOSET	LH OUTSWING	0 HR	NO	N/A	2' - 4"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	4	YES	NO	NO	NO	NO	-
3-101A	PRIMARY ENTRANCE	LH OUTSWING	0 HR	YES	1.90	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	1	YES	NO	NO	YES	YES	C/W POWER DOOR OPERATOR
3-101B	EXIT	LH OUTSWING	0 HR	YES	1.90	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	2	YES	NO	NO	YES	YES	-
3-101C	OH DOOR	-	0 HR	YES	1.90	14' - 0"	14' - 0"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	7	NO	NO	NO	YES	NO	-
3-102	UNIVERSAL WASHROOM	LH INSWING	0 HR	NO	N/A	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	5	YES	NO	NO	NO	NO	C/W POWER DOOR OPERATOR
3-103	STORAGE/CLOSET	LH OUTSWING	0 HR	NO	N/A	2' - 4"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	4	YES	NO	NO	NO	NO	-
4-101A	PRIMARY ENTRANCE	LH OUTSWING	0 HR	YES	1.90	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	1	YES	NO	NO	YES	YES	C/W POWER DOOR OPERATOR
4-101B	EXIT	LH OUTSWING	0 HR	YES	1.90	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	2	YES	NO	NO	YES	YES	-
4-101C	OH DOOR	-	0 HR	YES	1.90	14' - 0"	14' - 0"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	7	NO	NO	NO	YES	NO	-
4-102	UNIVERSAL WASHROOM	LH INSWING	0 HR	NO	N/A	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	5	YES	NO	NO	NO	NO	C/W POWER DOOR OPERATOR
4-103	STORAGE/CLOSET	LH OUTSWING	0 HR	NO	N/A	2' - 4"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	4	YES	NO	NO	NO	NO	-
4-104	SERVICE ROOM DOOR	RH INSWING	0 HR	YES	1.90	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	6	YES	NO	NO	YES	YES	-
5-101A	PRIMARY ENTRANCE	LH OUTSWING	0 HR	YES	1.90	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	1	YES	NO	NO	YES	YES	C/W POWER DOOR OPERATOR
5-101B	EXIT	LH OUTSWING	0 HR	YES	1.90	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	2	YES	NO	NO	YES	YES	-
5-101C	OH DOOR	-	0 HR	YES	1.90	14' - 0"	14' - 0"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	7	NO	NO	NO	YES	NO	-
5-102	UNIVERSAL WASHROOM	LH INSWING	0 HR	NO	N/A	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	5	YES	NO	NO	NO	NO	C/W POWER DOOR OPERATOR
5-103	STORAGE/CLOSET	LH OUTSWING	0 HR	NO	N/A	2' - 4"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	4	YES	NO	NO	NO	NO	-
6-101A	PRIMARY ENTRANCE	LH OUTSWING	0 HR	YES	1.90	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	1	YES	NO	NO	YES	YES	C/W POWER DOOR OPERATOR
6-101B	EXIT	LH OUTSWING	0 HR	YES	1.90	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	2	YES	NO	NO	YES	YES	-
6-101C	OH DOOR	-	0 HR	YES	1.90	14' - 0"	14' - 0"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	7	NO	NO	NO	YES	NO	-
6-102	UNIVERSAL WASHROOM	LH INSWING	0 HR	NO	N/A	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	5	YES	NO	NO	NO	NO	C/W POWER DOOR OPERATOR
6-103	STORAGE/CLOSET	LH OUTSWING	0 HR	NO	N/A	2' - 4"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	4	YES	NO	NO	NO	NO	-
7-101A	PRIMARY ENTRANCE	LH OUTSWING	0 HR	YES	1.90	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	1	YES	NO	NO	YES	YES	C/W POWER DOOR OPERATOR
7-101B	PASSAGE	LH INSWING	0 HR	NO	N/A	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	3	YES	NO	NO	NO	NO	-
7-102A	EXIT	LH OUTSWING	0 HR	YES	1.90	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	2	YES	NO	NO	YES	YES	-
7-102B	EXIT	LH OUTSWING	0 HR	YES	1.90	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	2	YES	NO	NO	YES	YES	-
7-102C	OH DOOR	-	0 HR	YES	1.90	14' - 0"	14' - 0"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	7	NO	NO	NO	YES	NO	-
7-102D	OH DOOR	-	0 HR	YES	1.90	14' - 0"	14' - 0"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	7	NO	NO	NO	YES	NO	-
7-103	UNIVERSAL WASHROOM	LH INSWING	0 HR	NO	N/A	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	5	YES	NO	NO	NO	NO	C/W POWER DOOR OPERATOR
7-104	STORAGE/CLOSET	LH OUTSWING	0 HR	NO	N/A	2' - 4"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	4	YES	NO	NO	NO	NO	-
7-105A	PRIMARY ENTRANCE	LH OUTSWING	0 HR	YES	1.90	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	1	YES	NO	NO	YES	YES	C/W POWER DOOR OPERATOR
7-105B	PASSAGE	LH INSWING	0 HR	NO	N/A	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	3	YES	NO	NO	NO	NO	-
7-106	WATER CLOSET	RH INSWING	0 HR	NO	N/A	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	8	YES	NO	NO	NO	NO	-
7-107	STORAGE/CLOSET	RH OUTSWING	0 HR	NO	N/A	3' - 0"	6' - 8"	BY G.C.	BY OWNER	BY OWNER	BY G.C.	BY OWNER	4	YES	NO	NO	NO	NO	-

DOOR HARDWARE SCHEDULE

NO.	TYPE	KEY CODE	LOCKSET	PANIC	SINGLE ACTION HARDWARE	PUSH/PULL	DEADBOLT	CLOSURE	POWER DOOR OPERATOR	MANUAL PULL-CHAIN	AUTOMATIC ELECTRIC	COMMENTS
1	PRIMARY ENTRANCE	1	YES	YES	YES	NO	NO	YES	YES	N/A	N/A	-
2	EXIT DOOR	2	YES	YES	YES	NO	NO	YES	NO	N/A	N/A	-
3	PASSAGE	3	NO	NO	YES	NO	NO	YES	NO	N/A	N/A	-
4	STORAGE/CLOSET	4	YES	NO	NO	NO	YES	NO	NO	N/A	N/A	-
5	UNIVERSAL WASHROOM	5	YES	NO	YES	NO	NO	YES	YES	N/A	N/A	-
6	SERVICE ROOM	6	YES	NO	NO	NO	NO	YES	NO	N/A	N/A	-
7	OH DOORS	7	YES	NO	NO	NO	NO	NO	NO	NO	YES	-
8	WATER CLOSET	8	YES	NO	NO	NO	NO	YES	NO	N/A	N/A	-

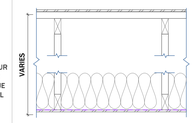
WINDOWS SCHEDULE

BASIC INFORMATION								WINDOW GLAZING		WINDOW FRAME		COMMENTS
NUMBER	TYPE	UNIT WIDTH	UNIT HEIGHT	R.O. WIDTH	R.O. HEIGHT	TOP OF R.O. ELEV FROM SUBFLOOR	FRR	MIN U VALUE (W/(m² x K))	PANES	TEMPERED	MATERIAL	THERMALLY BROKEN	
1-101A	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
1-101B	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
1-105A	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
1-105B	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
2-101	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
2-103	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
2-104	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
2-105	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
2-106	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
2-107	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
2-108	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
2-109	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
3-101A	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
3-101B	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
3-201A	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
3-201B	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
4-101A	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
4-101B	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
4-201A	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
4-201B	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
5-101A	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
5-101B	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
5-201A	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
5-201B	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
6-101A	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
6-101B	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
6-201A	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
6-201B	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
7-101A	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
7-101B	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
7-105A	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
7-105B	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
7-201A	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
7-201B	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
7-201C	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-
7-201D	CASEMENT	3' - 0"	5' - 0"	3' - 1"	5' - 1"	TBD	0 HR	1.73	TBD	NO	BY G.C.	YES	-

ROOF ASSEMBLIES

MARK	DESCRIPTION	REFERENCE NO.	FRR	STC	RSI
R1	PRE-ENG WOOD TRUSSES	-	-	-	-

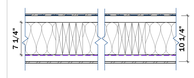
- 28 GAUGE METAL CLADDING
- 2X6 SPF NO.1/NO.2 STRAPPING @ 24" O/C
- PRE-ENG WOOD TRUSSES @ 4' O/C (DESIGN BY SUPPIER) C/W 24" HEEL HEIGHT, 4/12 SLOPE.
- MIN R50 BLOW-IN FIBERGLASS INSULATION C/W INSULATION BAFFLES AT EAVES
- 6 MIL CGSB APPROVED POLYETHYLYNE AIR/VAPOUR BARRIER C/W ALL SEAMS OVERLAPPED, CAULKED WITH ACCOUSICAL SEALANT, AND TAPED WITH BLUE VB APPROVED TUCK TAPE (OR EQUAL). ENSURE ALL JOINTS ARE CONTINUOUSLY SUPPORTED BY FRAMING MEMBERS.
- 28 GAUGE METAL CLADDING



EXTERIOR WALL ASSEMBLIES

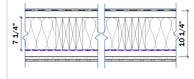
MARK	DESCRIPTION	REFERENCE NO.	FRR	STC	RSI
EW1A	2X8 POST - FRAME WALL	-	-	-	-

- METAL CLADDING STITCH SCREWED @ 24" O/C
- NON-WOVEN BUILDING WRAP
- 2X4 SPF NO.1/NO.2 STRAPPING @ 2' O/C (EXTERIOR)
- (2x6 STRAPPING AT END WALLS)
- 2X8 BUILT-UP NAIL - LAMINATED POSTS
- R28 FIBERGLASS BATT INSULATION
- 6 MIL POLYETHYLYENE SHEETING
- 2X4 SPF NO.1/NO.2 STRAPPING @ 2' O/C (INTERIOR)
- 1 LAYER 1/2" GWB



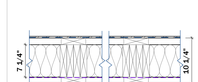
MARK	DESCRIPTION	REFERENCE NO.	FRR	STC	RSI
EW1B	2X8 POST - FRAME WALL - INTERIOR FIRE RATED	APPENDIX D	1 HR	-	-

- METAL CLADDING STITCH SCREWED @ 24" O/C
- NON-WOVEN BUILDING WRAP
- 2X4 SPF NO.1/NO.2 STRAPPING @ 2' O/C (EXTERIOR)
- 2X8 BUILT-UP NAIL - LAMINATED POSTS (15 MINS)
- R28 FIBERGLASS BATT INSULATION (5 MINS)
- 6 MIL POLYETHYLYENE SHEETING
- 2X4 SPF NO.1/NO.2 STRAPPING @ 2' O/C (INTERIOR)
- 1 LAYER 5/8" TYPE X GWB, C/W MUDDED JOINTS (40 MINS)
- FINISH BY OWNER



MARK	DESCRIPTION	REFERENCE NO.	FRR	STC	RSI
EW2	2X8 POST - FRAME WALL - INTERIOR FIRE RATED	BXUV7.V304	2 HR	-	-

- METAL CLADDING STITCH SCREWED @ 24" O/C
- NON-WOVEN BUILDING WRAP
- 2X4 SPF NO.1/NO.2 STRAPPING @ 16" O/C (EXTERIOR)
- 2X6 SPF NO.1/NO.2 VERT BLOCKING BTWN STRAPPING
- 2X8 BUILT-UP NAIL - LAMINATED POSTS (15 MINS)
- R28 FIBERGLASS BATT INSULATION (5 MINS)
- 6 MIL POLYETHYLYENE SHEETING
- 2X6 SPF NO.1/NO.2 VERT BLOCKING BTWN STRAPPING
- 2X4 SPF NO.1/NO.2 STRAPPING @ 16" O/C (INTERIOR)
- 2 LAYERS 5/8" TYPE X GYPSUM BOARD, 48" WIDE, INSTALLED HORIZ.; L1: 2" TYPE W SCREWS @ 24" O.C. (HORIZ.) & 8" O.C. (VERT.) TO COLUMNS; L2: 2-1/2" TYPE W SCREWS @ 24" O.C.; L3: 3" TYPE W SCREWS @ 24" O.C.; FASTENERS OFFSET MIN. 6" BETWEEN LAYERS.



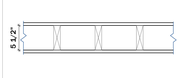
PARTITION WALL ASSEMBLIES

MARK	DESCRIPTION	REFERENCE NO.	FRR	STC	RSI
PW1	2X8 STUD WALL - 2 HR FIRE SEPARATION	ULC-U301	2 HR	-	-

- 2 LAYERS 5/8" THK TYPE X GWB
- 2X8 SPF NO.1/NO.2 STUDS @ 16" O/C
- 2 LAYERS 5/8" THK TYPE X GWB

MARK	DESCRIPTION	REFERENCE NO.	FRR	STC	RSI
PW2	2X6 STUD WALL	-	-	-	-

- FINISH BY OWNER
- 2X6 SPF NO.1/NO.2 STUDS @ 16" O/C
- FINISH BY OWNER



MARK	DESCRIPTION	REFERENCE NO.	FRR	STC	RSI
PW3A	2X4 STUD WALL - 1 HR FIRE SEPARATION	ULC - W301	1HR	-	-

- FINISH BY OWNER
- 1 LAYER 5/8" TYPE X GWB
- 2X4 SPF NO.1/NO.2 STUDS @ 16" O/C
- 1 LAYER 5/8" TYPE X GWB
- FINISH BY OWNER

MARK	DESCRIPTION	REFERENCE NO.	FRR	STC	RSI
PW3B	2X4 STUD WALL	-	-	-	-

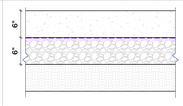
- FINISH BY OWNER
- 2X4 SPF NO.1/NO.2 STUDS @ 16" O/C
- FINISH BY OWNER

FLOOR ASSEMBLIES

MARK	DESCRIPTION	REFERENCE NO.	FRR	STC	RSI
F1	6" THK CONCRETE SLAB	-	-	-	-

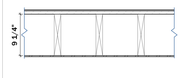
- 6" THK CONCRETE SLAB-ON-GRADE
- C/W 2 LAYER OF 10M @ 12" O/C BOTH WAYS
- MIN 6 MIL POLYETHYLENE SHEETING
- MIN 6" THK COMPACTED BASE AGGREGATE
- COMPACTED SUBGRADE

NOTE: EXT CONC APRON WILL REQUIRE 4" RIGID XPS INSULATION. TYPE 7 @ DOORWAYS, AND TYPE 4 OTHERWISE.



MARK	DESCRIPTION	REFERENCE NO.	FRR	STC	RSI
F2	2X10 MEZZANINE FLOOR	-	-	-	-

- FLOOR FINISH (BY OWNER)
- 3/4" THK D.FIR. T&G PLYWOOD SHEATHING
- 2X10 SPF NO.1/NO.2 JOISTS @ 16" O/C
- CEILING FINISH BY OWNER



KIRAS ENGINEERING

GENERAL NOTES

1. **CODES AND STANDARDS:** ALL WORK SHALL COMPLY WITH THE LATEST EDITIONS OF APPLICABLE BUILDING CODES, LOCAL ORDINANCES, AND STANDARDS.
2. **DIMENSIONS:** VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD BEFORE COMMENCING WORK. REPORT ANY DISCREPANCIES TO THE AUTHORIZING LICENSED PROFESSIONAL IMMEDIATELY.
3. **MATERIALS AND WORKMANSHIP:** ALL MATERIALS AND WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY AND IN ACCORDANCE WITH THE SPECIFICATIONS. ANY DEFECTIVE WORK MUST BE RECTIFIED AT THE CONTRACTORS EXPENSE.
4. **UTILITIES:** CONFIRM THE LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF WORK. PROTECT AND MAINTAIN ALL UTILITIES DURING CONSTRUCTION.
5. **SAFETY:** FOLLOW ALL SAFETY REGULATIONS AND GUIDELINES. PROVIDE AND MAINTAIN NECESSARY SAFETY BARRIERS, SIGNAGE, AND PROTECTIVE EQUIPMENT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING AND COMPLYING WITH ON-SITE SAFETY REQUIREMENTS.
6. **SITE ACCESS:** ENSURE THAT SITE ACCESS POINTS, STAGING AREAS, AND STORAGE LOCATIONS ARE CLEARLY MARKED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
7. **CHANGES:** ANY CHANGES TO THE CONSTRUCTION DRAWINGS MUST BE APPROVED BY THE AUTHORIZING LICENSED PROFESSIONAL.
8. **COORDINATION:** COORDINATE ALL WORK WITH OTHER DISCIPLINES AND TRADES AND ENSURE THAT ALL INSTALLATIONS DO NOT INTERFERE WITH EXISTING OR PLANNED WORK. ANY DISCREPANCIES BETWEEN DISCIPLINES OR DRAWINGS OR IN THE FIELD SHALL BE REPORTED TO THE AUTHORIZING LICENSED PROFESSIONAL IMMEDIATELY.
9. **INSPECTIONS:** SCHEDULE AND PERFORM ALL REQUIRED INSPECTIONS AS DICTATED BY LOCAL AUTHORITIES AND THE AUTHORIZING LICENSED PROFESSIONAL. NOTIFY THE AUTHORIZING LICENSED PROFESSIONAL A MINIMUM OF 72 HOURS PRIOR TO REQUIRING THE INSPECTION. DO NOT COVER ITEMS TO BE INSPECTED PRIOR TO INSPECTION.
10. **CLEAN-UP:** MAINTAIN A CLEAN AND ORDERLY WORK SITE. REMOVE DEBRIS AND WASTE MATERIALS PROMPTLY.
11. **SUBMITTALS:** SUBMIT ALL REQUIRED SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES TO THE AUTHORIZING LICENSED PROFESSIONAL FOR REVIEW AND APPROVAL BEFORE FABRICATION OR INSTALLATION.

NO.	ISSUED FOR:	ISSUED DATE:	BY:
CD-P00	IFP	2026-01-29	TE
DD-A3	IFR	2025-04-07	PV
DD-A2	IFR	2025-04-04	PV
DD-A1	IFR	2025-03-28	PV

ISSUED DRAWINGS

24090 - PROPOSED CRU BUILDING - BUILDING B

PARCEL Q, S.W.1/4 SECTION 29 TWP.17 - RGE.18 - W.2MER.

BRANT SAFINUK
1-182 HUGHI RD
RM OF SHERWOOD, SK S4K 0A4

AUTHORIZATION

PROFESSIONAL ENGINEER — PROVINCE OF SASKATCHEWAN — TRAVIS WOODS — NUMBER 30203 — 2026-01-29 (YR. MN. DAY)

VALIDATION

Association of Professional Engineers & Geoscientists of Saskatchewan
CERTIFICATE OF AUTHORIZATION
Kiras Engineering Ltd.
Number 02228
Permission to Consult held by:

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

ASSEMBLIES & SCHEDULES

PROJECT NO:	SCALE:	PLOT SIZE:
24090		24X36

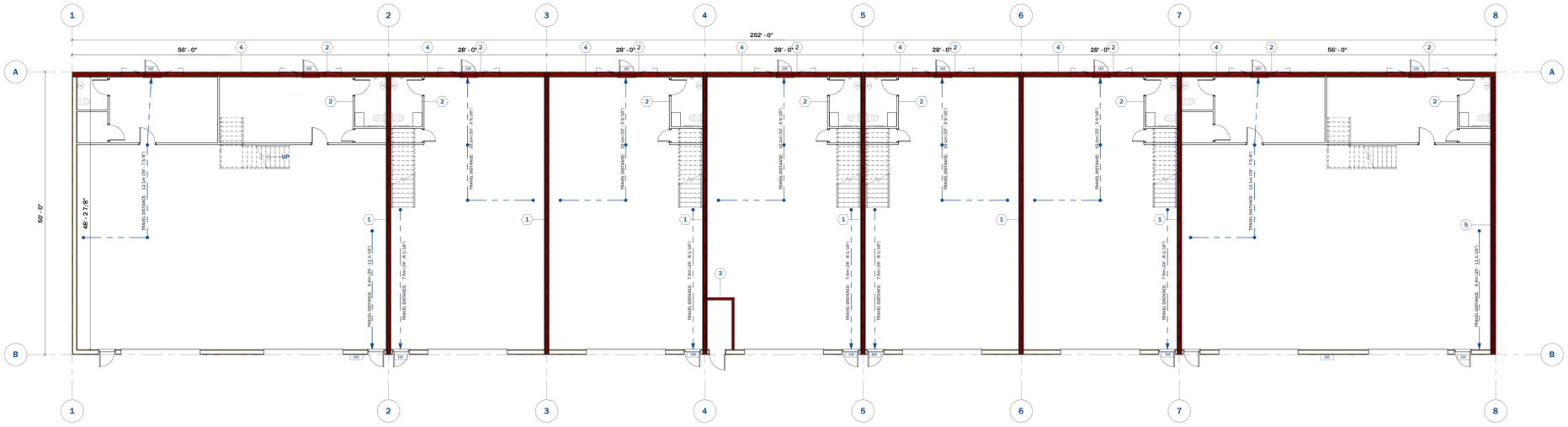
PROJECT LEAD	PV
PROJECT MANAGER	TE
ARCHITECTURAL DESIGN LEAD	PV
BIM MODELLER	GD

ISSUED FOR REVIEW

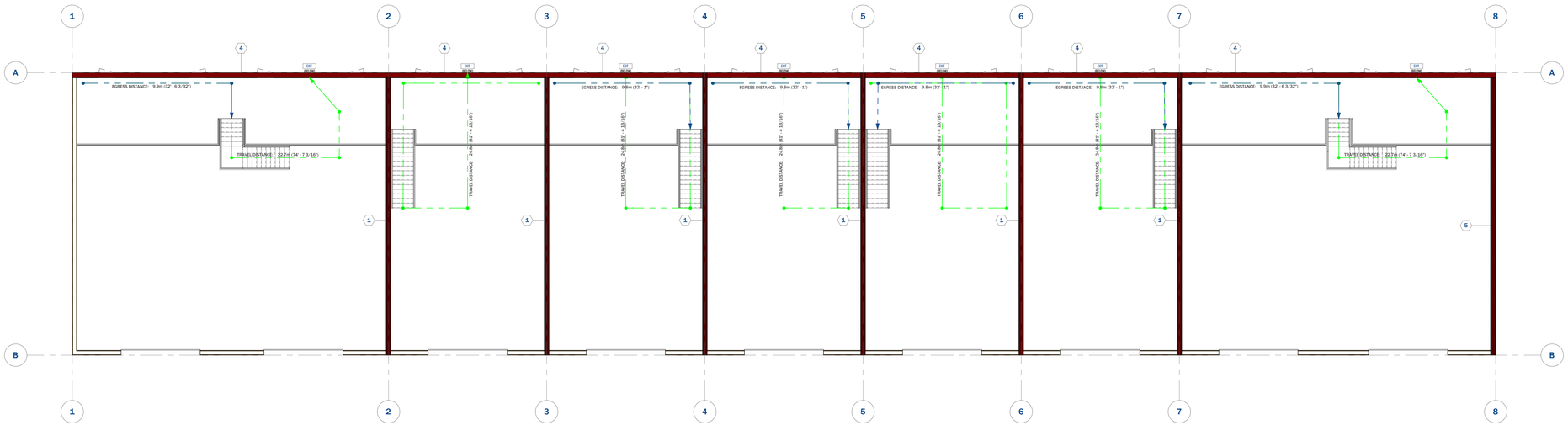
A021

CD-P00

A044 - KEYNOTES	
NUMBER	*DESCRIPTION*
1	2 HR FIRE SEPARATION CONTINUOUS TO U/S OF ROOF DECK
2	POWER DOOR OPERATOR LOCATION
3	1 HR FIRE SEPARATION (MECH ROOM)
4	1 HR FRR (EXPOSED BUILDING FACE)
5	2 HR FRR (EXPOSED BUILDING FACE)



1 FIRST STOREY - LIFE SAFETY PLAN
1/8" = 1'-0"



2 MEZZANINE - LIFE SAFETY PLAN
1/8" = 1'-0"

3.2.3. - SPATIAL SEPARATION AND EXPOSURE PROTECTION											
EBF DIRECTION	LIMITING DISTANCE (m)	EBF AREA (m^2)	ALLOWABLE UNPROTECTED OPENINGS (%)	PROVIDED UNPROTECTED OPENINGS (%)	FRR PEQUIRED	FRR PROVIDED	CONSTRUCTION TYPE REQUIRED	CONSTRUCTION TYPE PROVIDED	CLADDING TYPE REQUIRED	CLADDING TYPE PROVIDED	COMMENTS
F2 FIRE COMPARTMENT NORTH EBF	6.1	84 m^2	19.5	0	2 HR	2 HR	C OR NC	C	NC	NC	1/2 ACTUAL LIMITING DISTANCE USED DUE TO FIRE RESPONSE TIME
F2 FIRE COMPARTMENT SOUTH EBF	23.5	84 m^2	100	0	0 HR	0 HR	C OR NC	C	C OR NC	NC	1/2 ACTUAL LIMITING DISTANCE USED DUE TO FIRE RESPONSE TIME
TYPICAL LARGE FIRE COMPARTMENT EAST EBF	30.2	94 m^2	100	43	0 HR	0 HR	C OR NC	C	C OR NC	NC	1/2 ACTUAL LIMITING DISTANCE USED DUE TO FIRE RESPONSE TIME
TYPICAL LARGE FIRE COMPARTMENT WEST EBF	7.3	94 m^2	25.1	16	1 HR	1 HR	C OR NC	C	NC	NC	1/2 ACTUAL LIMITING DISTANCE USED DUE TO FIRE RESPONSE TIME
TYPICAL SMALL FIRE COMPARTMENT EAST EBF	30.2	47 m^2	100	47	0 HR	0 HR	C OR NC	C	NC	NC	1/2 ACTUAL LIMITING DISTANCE USED DUE TO FIRE RESPONSE TIME
TYPICAL SMALL FIRE COMPARTMENT WEST EBF	7.3	47 m^2	44	16	1 HR	1 HR	C OR NC	C	NC	NC	1/2 ACTUAL LIMITING DISTANCE USED DUE TO FIRE RESPONSE TIME

BUILDING CODE DESIGN SUMMARY		
GOVERNING CODE: PART 3 - 2020 NATIONAL BUILDING CODE OF CANADA		
PART 3 - DIVISION B - FIRE PROTECTION, OCCUPANT SAFETY AND ACCESSIBILITY		
SECTION 3.1. - GENERAL		
BUILDING CLASSIFICATION		
3.1.2. GOVERNING MAJOR OCCUPANCY	F2 - MEDIUM-HAZARD INDUSTRIAL OCCUPANCIES	
3.1.2. - OTHER MAJOR OCCUPANCIES	NONE	
3.1.3. - MAJOR OCCUPANCY FIRE SEPARATIONS	BETWEEN SUITES - 3.3.1.1. - CONTINUOUS TO UNDERSIDE OF ROOF DECK	
3.1.9.1. FIRESTOPS	PROVIDED BETWEEN SUITES	
3.1.10. FIREWALL REQUIRED	NOT REQUIRED	
3.1.10.2. RATING OF FIREWALLS	NOT APPLICABLE	
3.1.17. - MAXIMUM OCCUPANT LOAD	10 OCCUPANTS - SMALLER SUITES[1] 20 OCCUPANTS - LARGE SUITES[1]	
SECTION 3.2. - BUILDING FIRE SAFETY		
3.2.2.20.-3.2.2.90. - GOVERNING CONSTRUCTION ARTICLE	3.2.2.80. GROUP F, DIV 2, UP TO 2 STOREYS	
3.2.2.10. - BUILDING ACCESS (STREETS FACING)	3 STREETS FACING	
3.2.3. - SPATIAL SEPARATION AND EXPOSURE PROTECTION	REFER TO SPATIAL SEPARATION AND EXPOSURE PROTECTION TABLE ON A042	
	REQUIRED MIN./MAX	*PROVIDED*
3.2.2.5. - BUILDING HEIGHT	MAX 2 STOREYS	1 STOREY
3.2.2.5. - BUILDING AREA	MAX 1,500 m^2	1,171 m^2
CONSTRUCTION TYPE	C OR NC	C
3.2.4. - FIRE ALARM AND DETECTION SYSTEM	NOT REQUIRED	NOT PROVIDED
3.2.5.7. - WATER SUPPLY	REQUIRED	WATER SUPPLIED BY MUTUAL AGREEMENTS BETWEEN EMERAL PARK, WHITE CITY, PILOT BUTTE, AND BALGONIE
3.2.5.8. - STANDPIPE SYSTEM	NOT REQUIRED	NOT PROVIDED (<1500 m^2)
3.2.7. - LIGHTING AND EMERGENCY POWER SYSTEMS	REQUIRED	TO BE PROVIDED
3.2.8. - MEZZANINES AND OPENINGS THROUGH FLOOR ASSEMBLIES	REQUIRED IF MEZZ AREA > 500 m^2	NOT PROVIDED (MEZZ AREA 59.1 m^2)
3.2.1.1. 3) - MEZZANINE AREA (OPEN)	<40%	24% (SMALLER SUITES) 27% (LARGER SUITES)
3.2.1.1. 4) - MEZZANINE AREA (ENCLOSED)	NOT REQUIRED	NOT PROVIDED
REQUIRED FIRE RESISTANCE RATINGS FOR ASSEMBLIES		
I) 3.2.1.4.-3.2.1.5. - FLOORS ABOVE BASEMENT	NOT APPLICABLE	NOT APPLICABLE
II) 3.2.2.9. - FLOORS ABOVE CRAWL SPACE	NOT APPLICABLE	NOT APPLICABLE
III) FLOOR ASSEMBLIES	0.75 HR	NOT APPLICABLE
IV) MEZZANINE FLOOR ASSEMBLIES	NOT REQUIRED	NOT PROVIDED
V) ROOF ASSEMBLIES	NOT REQUIRED	NOT PROVIDED
VI) LOAD BEARING STRUCTURE/WALL ASSEMBLIES	0.75 HR	PROVIDED
SECTION 3.3. - SAFETY WITHIN FLOOR AREAS		
3.3.1.1. SEPARATION OF SUITES	0.75 HR FIRE SEPARATION	REFER TO 3.3.5.5.
3.3.1.4. PUBLIC CORRIDOR SEPARATIONS	NOT APPLICABLE	NOT APPLICABLE
3.3.1.5. EGRESS DOORWAYS FOR SUITES	MIN 2 EGRESS DOORWAYS	PROVIDED
3.3.1.9. - PUBLIC CORRIDOR WIDTH	NOT APPLICABLE	NOT APPLICABLE
3.3.1.22 - JANITORS' ROOMS	NOT REQUIRED	NOT PROVIDED
3.3.1.23. - COMMON LAUNDRY ROOMS	NOT APPLICABLE	NOT APPLICABLE
3.3.4.2. - RESIDENTIAL OCCUPANCY FIRE SEPARATIONS	NOT APPLICABLE	NOT APPLICABLE
3.3.5.5. - REPAIR GARAGE SEPARATION	2 HR FIRE SEPARATION	2 HR FIRE SEPARATION
3.3.5.6. - STORAGE GARAGE SEPARATION	NOT REQUIRED	NOT PROVIDED
SECTION 3.4. - EXITS		
3.4.2. - NUMBER OF EXITS	≥ 2	PROVIDED
3.4.2.1.-3.4.2.6. - TRAVEL DISTANCE	30 m	PROVIDED
3.4.2.2. - MEANS OF EGRESS FROM MEZZANINES	10 m	PROVIDED
3.4.3.2. - EXIT WIDTH	1100 mm	PROVIDED
3.4.3.4. - HEADROOM CLEARANCE	2050 mm	PROVIDED
3.4.5. - EXIT SIGNS	NOT REQUIRED	NOT PROVIDED
SECTION 3.5. VERTICAL TRANSPORTATION		
3.5.2.1. - ELEVATORS, ESCALATORS, AND DUMBWAITERS	NOT APPLICABLE	NOT APPLICABLE
3.5.3.1. - FIRE SEPARATION FOR ELEVATOR HOISTWAYS	NOT APPLICABLE	NOT APPLICABLE
SECTION 3.6. - SERVICE ROOMS		
3.6.2.1. - FIRE SEPARATIONS AROUND SERVICE ROOMS	1 HR	1 HR
SECTION 3.7. - HEALTH REQUIREMENTS		
3.7.2.2. - WATER CLOSETS	TBD ON OCCUPANCY	LARGE SUITE: 1 UNIVERSAL WASHROOM + 1 UNISEX WASHROOM SMALL SUITE: 1 UNIVERSAL WASHROOM
SECTION 3.8. - BARRIER-FREE DESIGN		
3.8.2.2. - ENTRANCES	NOT LESS THAN 50% OF THE PEDESTRIAN ENTRANCES OF A BUILDING SHALL BE BARRIER FREE	PROVIDED
3.8.2.5. - EXTERIOR BARRIER-FREE PATHS OF TRAVEL TO BUILDING ENTRANCES AND EXTERIOR PASSENGER LOADING ZONES	FROM ENTRANCE TO PARKING STALL	PROVIDED
3.8.2.8. - PLUMBING FACILITIES	MIN ONE UNIVERSAL WASHROOM	PROVIDED
3.8.2.10. - SIGNS AND INDICATORS	SIGNS INDICATING LOCATION OF: BARRIER-FREE ENTRANCES, BARRIER-FREE WASHROOMS, SHOWERS, AND PARKING SPACES REQUIRED	PROVIDED
3.8.2.7. - POWER DOOR OPERATORS	REQUIRED ON ALL DOORS IN ALL BARRIER FREE PATH OF TRAVEL ON THE MAIN FLOOR IF THE DOORS IS EQUIPPED WITH A SELF CLOSING DEVICE AND NO HOLD OPEN DEVICE IS PRESENT	PROVIDED
NOTES		
1. OCCUPANCY LOAD CONSTRAINTED IN ADHERANCE TO NUMBER OF WATER CLOSETS		

KIRAS ENGINEERING

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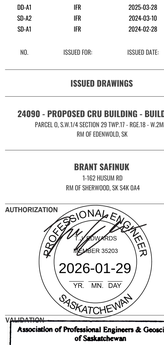
SD-A1	IFR	2024-02-28	PV

ISSUED DRAWINGS

24099 - PROPOSED CRU BUILDING - BUILDING B
PARCEL O, S.W.1/4 SECTION 29 TWP 17 - RGE 1E - W.2MER.
RM OF EDENWOLD, SK

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

AUTHORIZATION



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	

BUILDING & ENERGY CODE REVIEW

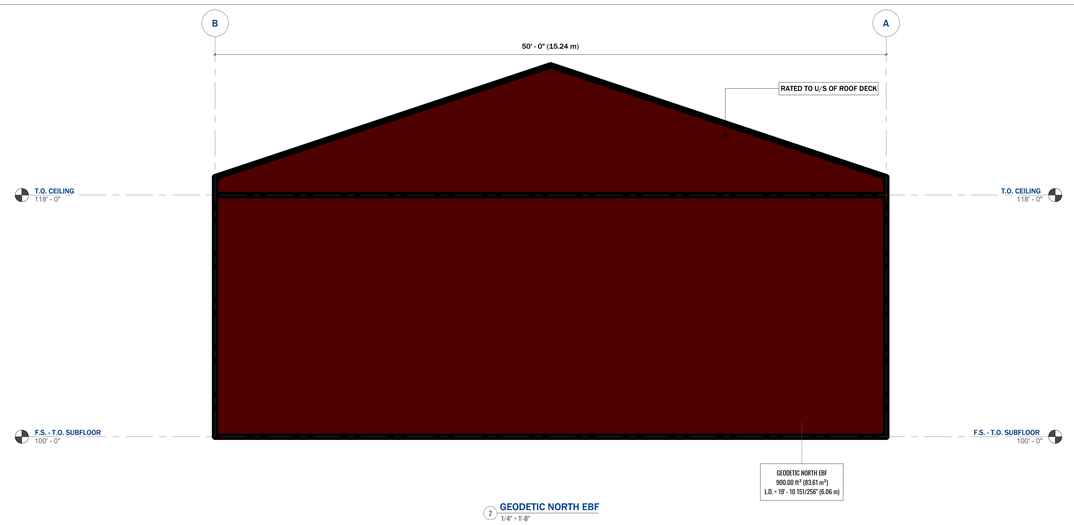
PROJECT NO:	SCALE:	PLOT SIZE:
24099		24X36

PROJECT LEAD	PV
PROJECT MANAGER	TE
ARCHITECTURAL DESIGN LEAD	PV
BIM MODELLER	GD

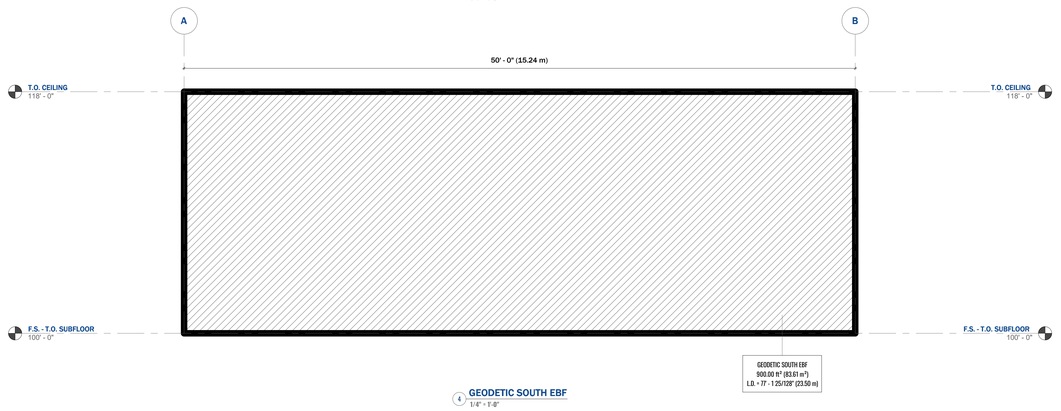
ISSUED FOR REVIEW

A041

CD-P00



2 **GEODETIC NORTH EBF**
1/4" = 1'-0"



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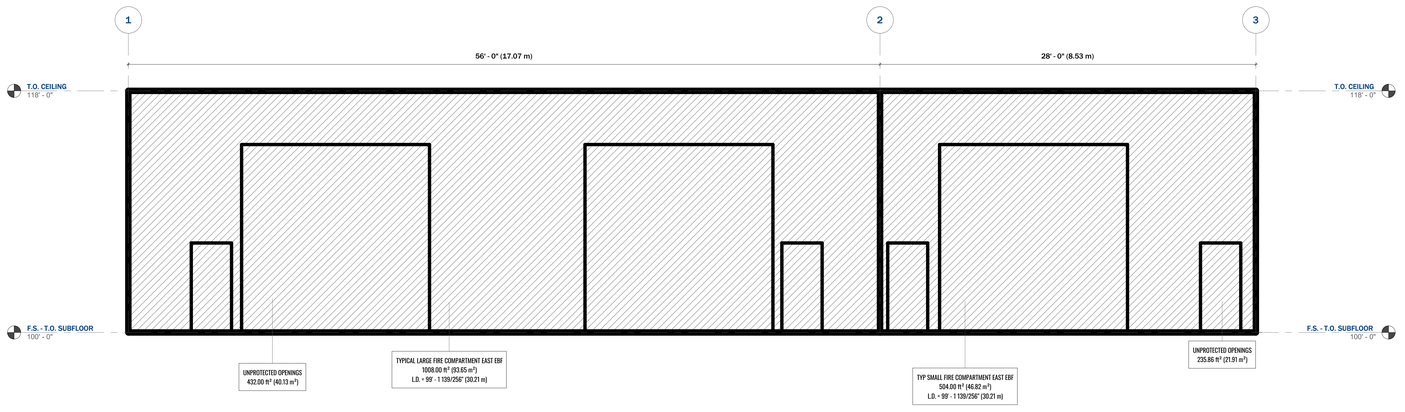

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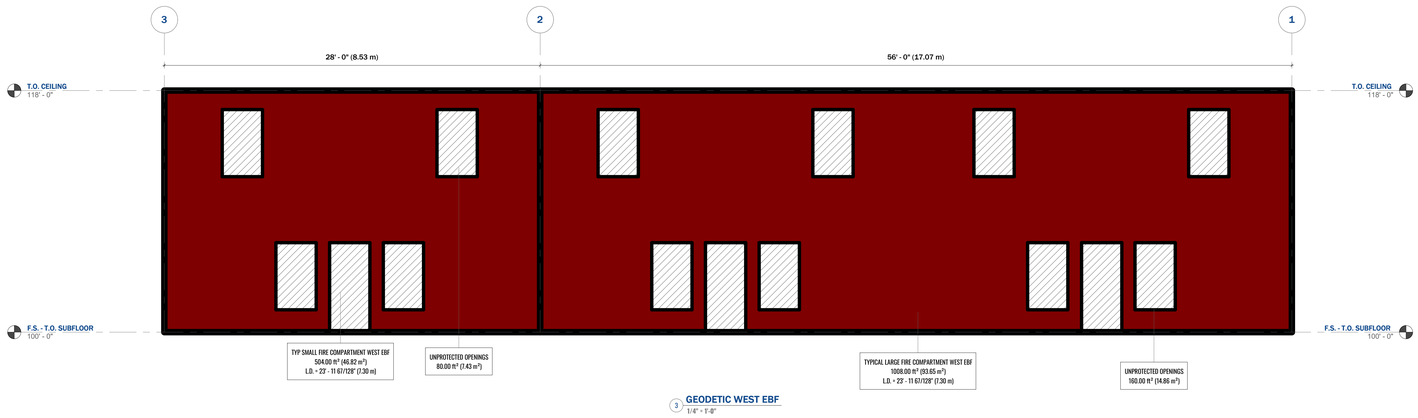

3 **GEODETIC WEST EBF**
1/4" = 1'-0"

FIRE RESISTANCE RATINGS LEGEND

- NOT APPLICABLE
- 0 HR FRR
- 0.33 HR FRR
- 0.75 HR FRR
- 1 HR FRR
- 2 HR FRR
- 3 HR FRR
- 4 HR FRR

KIRAS ENGINEERING

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SD-A1	IFR	2024-02-28	PV

ISSUED DRAWINGS

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PARCEL Q, S.W.1/4 SECTION 29 TWP.17 - RGE.18 - W.2MER.
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AUTHORIZATION

PROFESSIONAL ENGINEER
BRANT SAFINUK
MEMBER 35203
2026-01-29
YR. MN. DAY
SASKATCHEWAN

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BUILDING CODE REVIEW - SPATIAL SEPARATIONS

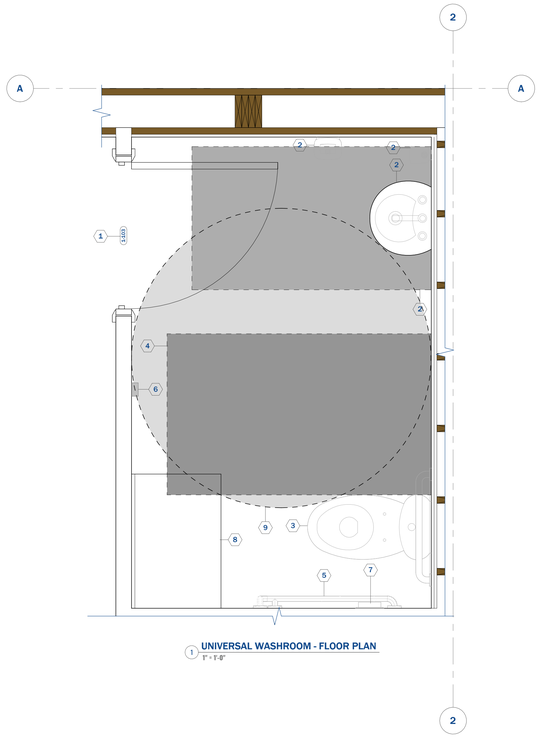
PROJECT NO:	SCALE:	PLOT SIZE:
24090		24X36

PROJECT LEAD	PV
PROJECT MANAGER	TE
ARCHITECTURAL DESIGN LEAD	PV
BIM MODELLER	GD

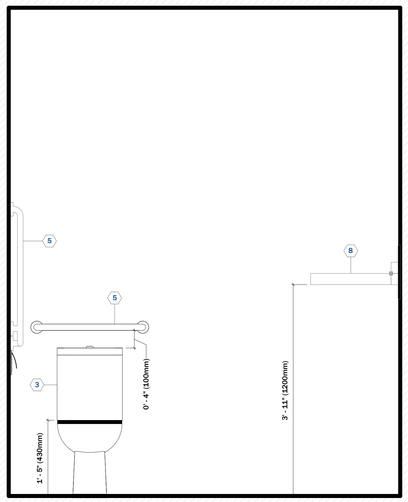
ISSUED FOR REVIEW

A042

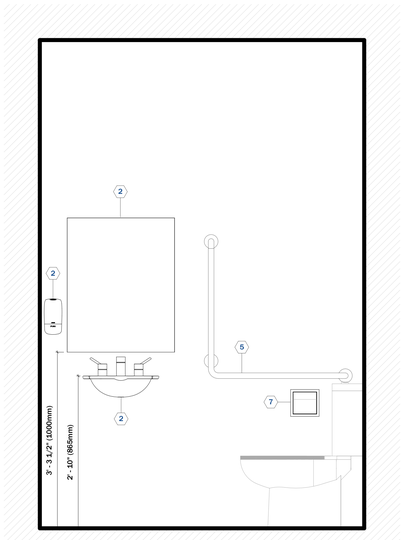
CD-P00



1 UNIVERSAL WASHROOM - FLOOR PLAN
1" = 1'-0"



2 UNIVERSAL WASHROOM - TYP DETAILS 1
1" = 1'-0"



3 UNIVERSAL WASHROOM - TYP DETAILS 2
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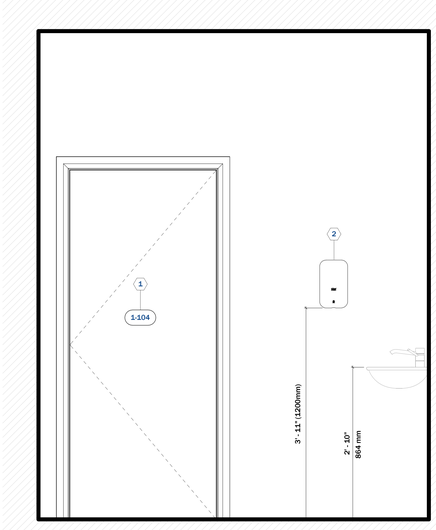
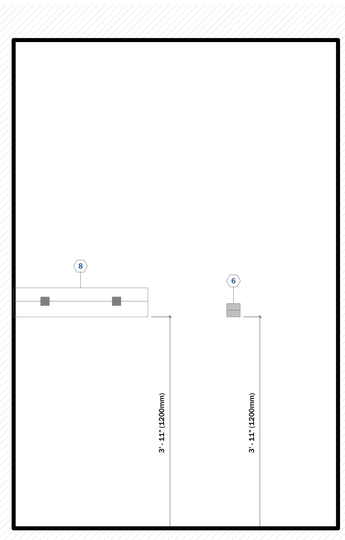


4 UNIVERSAL WASHROOM - TYP DETAILS 3
1" = 1'-0"



5 UNIVERSAL WASHROOM - TYP DETAILS 4
1" = 1'-0"

GEODETIC | PLAN N

KIRAS ENGINEERING

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A042 - KEYNOTES - NBC 2020

NUMBER	*DESCRIPTION*
1	DOOR SHALL ADHERE TO THE REQUIREMENTS OF CLAUSE 3.8.3.13.(1)(b) B) HAVE A DOOR COMPLYING WITH ARTICLE 3.8.3.6 THAT I) HAS A LATCH-OPERATING MECHANISM LOCATED 900MM TO 1100MM ABOVE THE FLOOR THAT COMPLIES WITH CLAUSE 3.8.3.8.(1)(B) AND IS CAPABLE OF BEING LOCKED FROM THE INSIDE, AND RELEASED FROM THE OUTSIDE IN CASE OF EMERGENCY
2	LAVATORIES SHALL ADHERE TO CLAUSE 3.8.3.13.(1)(c) LAVATORIES REQUIRED BY SENTENCE 3.8.2.8.(8) SHALL A) BE EQUIPPED WITH FAUCETS COMPLYING WITH SENTENCE 3.7.2.3.(4), B) BE LOCATED SO THAT THE DISTANCE BETWEEN THE CENTRELINE OF THE LAVATORY AND ANY SIDE WALL IS NOT LESS THAN 460MM, C) HAVE A CLEAR FLOOR SPACE IN FRONT OF THE LAVATORY THAT IS AT LEAST I) 800MM WIDE, CENTRED ON THE LAVATORY, AND II) 1350MM LONG, OF WHICH NO MORE THAN 430MM IS BENEATH THE LAVATORY, D) HAVE A RIM HEIGHT NOT MORE THAN 865MM ABOVE THE FLOOR, E) HAVE A CLEARANCE BENEATH THE LAVATORY NOT LESS THAN I) 800MM WIDE, CENTRED ON THE LAVATORY, II) 730MM HIGH AT THE FRONT EDGE, III) 685MM HIGH AT A POINT 200MM BACK FROM THE FRONT EDGE, AND IV) 230MM HIGH OVER THE DISTANCE FROM A POINT 280MM TO A POINT 430MM BACK FROM THE FRONT EDGE, (SEE NOTE A-3.8.3.16.(1)(E)) F) HAVE INSULATED WATER SUPPLY AND DRAIN PIPES WHERE THESE PIPES ARE EXPOSED (SEE NOTE A-3.8.3.16.(1)(F)), G) HAVE A SOAP DISPENSER THAT I) IS AUTOMATIC, OR II) COMPLIES WITH CLAUSE 3.8.3.8.(1)(B) AND IS LOCATED NOT MORE THAN 1100MM ABOVE THE FLOOR, WITHIN 500MM FROM THE FRONT OF THE LAVATORY (SEE NOTE A-3.8.3.16.(1)(G)), AND H) HAVE A TOWEL DISPENSER OR OTHER HAND-DRYING EQUIPMENT LOCATED CLOSE TO THE LAVATORY, NOT MORE THAN 1200MM ABOVE THE FLOOR IN AN AREA THAT IS ACCESSIBLE TO PERSONS IN WHEELCHAIRS. 2) MIRRORS REQUIRED BY SENTENCE 3.8.2.8.(9) SHALL BE: A) MOUNTED WITH THEIR BOTTOM EDGE NOT MORE THAN 1 000 MM ABOVE THE FLOOR, OR B) FIXED IN AN INCLINED POSITION SO AS TO BE USABLE BY A PERSON IN A WHEELCHAIR.
3	WATER CLOSET SHALL ADHERE TO CLAUSE 3.8.3.13.(1)(d): 3.8.3.12.(1)(e), AND ARTICLE 3.8.3.14. ARTICLE 3.8.3.14 - A WATER CLOSET FOR A PERSON WITH PHYSICAL DISABILITIES SHALL A) BE EQUIPPED WITH A SEAT LOCATED 430MM TO 460MM ABOVE THE FLOOR, B) FLUSH AUTOMATICALLY OR BE EQUIPPED WITH A FLUSHING CONTROL THAT I) IS LOCATED 500MM TO 900MM ABOVE THE FLOOR, II) IS LOCATED NO MORE THAN 350MM FROM THE TRANSFER SIDE, AND III) COMPLIES WITH CLAUSE 3.8.3.8.(1)(B), C) BE EQUIPPED WITH A SEAT LID OR OTHER BACK SUPPORT, AND D) WHERE IT HAS A TANK, HAVE A SECURELY ATTACHED TANK TOP. (SEE NOTE A-3.8.3.14.(1).) CLAUSE 3.8.3.12.(1)(e) - HAVE A WATER CLOSET LOCATED SO THAT THE DISTANCE BETWEEN THE CENTRELINE OF THE FIXTURE AND THE WALL ON ONE SIDE IS 460MM TO 480MM.
4	CLEAR LATERIAL TRANSFER SPACE SHALL ADHERE TO THE REQUIREMENTS OF CLAUSE 3.8.3.13.(1)(e): 3.8.3.12.(1)(b) CLAUSE 3.8.3.12.(1)(b): B) HAVE A CLEAR LATERAL TRANSFER SPACE ADJACENT TO THE WATER CLOSET THAT I) IS AT LEAST 1500MM LONG, MEASURED FROM THE WALL BEHIND THE WATER CLOSET, AND II) IS AT LEAST 900MM WIDE, MEASURED FROM THE CLOSEST EDGE OF THE WATER CLOSET SEAT. (SEE NOTE A-3.8.3.12.(1)(b)).
5	GRAB BARS SHALL ADHERE TO THE REQUIREMENTS OF 3.8.3.13.(1)(f): CLAUSES 3.8.3.12.(1)(f),(g) F) BE EQUIPPED WITH AN L-SHAPED GRAB BAR THAT I) IS MOUNTED ON THE SIDE WALL CLOSEST TO THE WATER CLOSET, II) HAS HORIZONTAL AND VERTICAL COMPONENTS NOT LESS THAN 760MM LONG, MOUNTED WITH THE HORIZONTAL COMPONENT 750MM TO 850MM ABOVE THE FLOOR AND THE VERTICAL COMPONENT 150MM IN FRONT OF THE WATER CLOSET (SEE NOTE A-3.8.3.12.(1)(F)(II)), AND III) COMPLIES WITH ARTICLE 3.7.2.7., G) BE EQUIPPED WITH EITHER ONE GRAB BAR AT LEAST 600MM LONG AND CENTRED OVER THE WATER CLOSET, OR TWO GRAB BARS AT LEAST 300MM LONG AND LOCATED EITHER SIDE OF THE FLUSH VALVE, THAT I) CONFORM TO ARTICLE 3.7.2.7., II) ARE MOUNTED ON THE REAR WALL, AND III) ARE MOUNTED AT THE SAME HEIGHT AS THE GRAB BAR ON THE SIDE WALL OR 100MM ABOVE THE TOP OF THE ATTACHED WATER TANK, IF APPLICABLE.
6	COAT HOOKS SHALL ADHERE TO THE REQUIREMENTS OF 3.8.3.13.(1)(g): CLAUSE 3.8.3.12.(1)(i) H) BE EQUIPPED WITH A COAT HOOK MOUNTED NOT MORE THAN 1200MM ABOVE THE FLOOR ON A SIDE WALL AND PROJECTING NOT MORE THAN 50MM FROM THE WALL.
7	TOILET PAPER DISPENSER SHALL ADHERE TO THE REQUIREMENTS OF 3.8.3.13.(1)(h) I) BE EQUIPPED WITH A TOILET PAPER DISPENSER MOUNTED ON THE SIDE WALL CLOSEST TO THE WATER CLOSET SUCH THAT I) THE BOTTOM OF THE DISPENSER IS 600MM TO 800MM ABOVE THE FLOOR, AND II) THE CLOSEST EDGE OF THE DISPENSER IS 300MM FROM THE FRONT OF THE WATER CLOSET.
8	A SHELF/BABY CHANGE TABLE SHALL ADHERE TO THE REQUIREMENTS OF 3.8.3.13.(1)(i) UNLESS A COUNTER IS PROVIDED, HAVE A SHELF LOCATED NOT MORE THAN 1200MM ABOVE THE FLOOR. SHELF IS COLLAPSABLE SO THAT IT WOULD NOT INTERFERE WITH WHEELCHAIR ACCESSIBILITY.
9	WHEELCHAIR CLEAR SPACE SHALL ADHERE TO THE REQUIREMENTS OF 3.8.3.13.(1)(j): BE DESIGNED TO PERMIT A WHEELCHAIR TO TURN IN AN OPEN SPACE NOT LESS THAN 1700 MM IN DIAMETER.

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BRANT WOODS
NUMBER 35203
2026-01-29
YR. MN. DAY
SASKATCHEWAN

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BUILDING CODE REVIEW - UNIVERSAL WASHROOM DETAILS

PROJECT NO.	SCALE:	PLOT SIZE:
24090		24X36

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PROJECT MANAGER	TE
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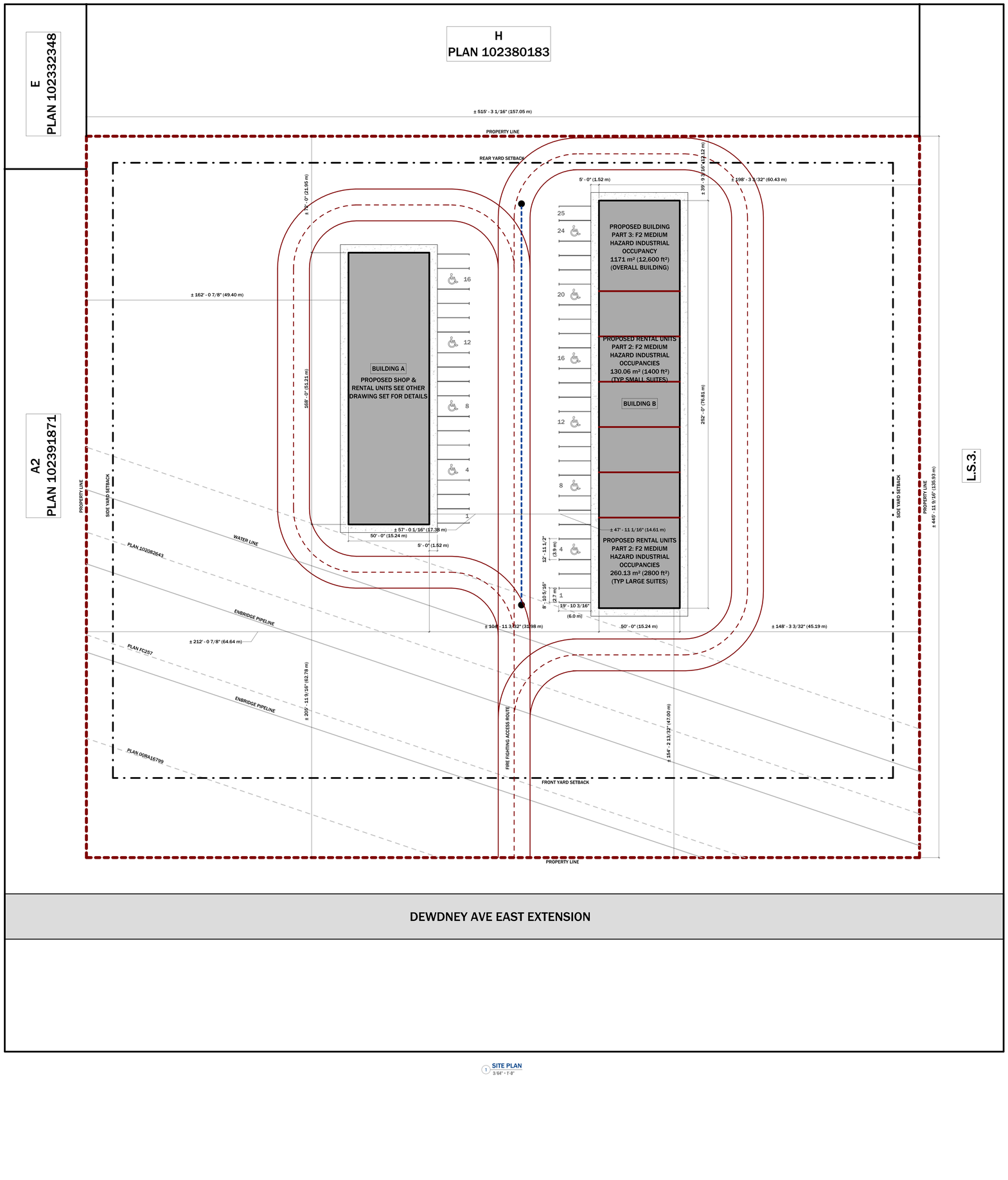
CD-P00



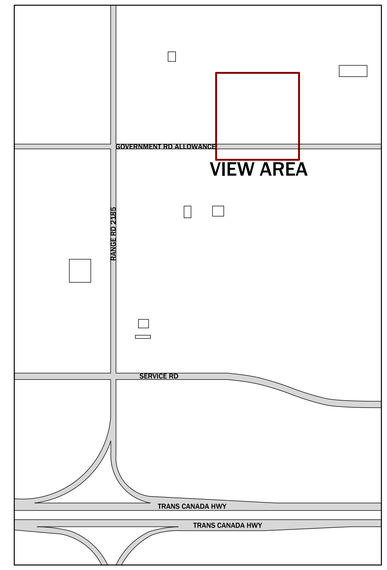
DEWDNEY AVE EAST EXTENSION

1 SITE PLAN
3/64" = 1'-0"

GEODETIC N PLAN N

SITE LEGEND

- EXISTING FOLIAGE
- EXISTING ACCESS
- EXISTING ROADWAYS
- EXISTING STRUCTURES
- PROPOSED STRUCTURE
- PROPERTY LINES
- PROPERTY SETBACKS



2 SITE MAP
1" = 400'-0"

ZONING BY-LAW REVIEW		
GOVERNING BY-LAW: RM OF EDENWOLD ZONING BY-LAW NO. 2019-20		
PLANNING DISTRICT	RM OF EDENWOLD	
LEGAL LAND DESCRIPTION	SW23-12-29WPM	
ZONING DISTRICT	PARCEL O, S.W.1/4 SECTION 29 TWP.17 -RGE.18 - W.2MER. R.M. OF EDENWOLD, SK	
ZONING DISTRICT PURPOSE	GENERAL INDUSTRIAL (IND1): THE PURPOSE OF THE GENERAL INDUSTRIAL DISTRICT (IND1) IS TO PROVIDE AREAS FOR INDUSTRIAL ACTIVITIES THAT HAVE MODERATE POTENTIAL FOR CONFLICT WITH ADJACENT LAND USES AND ARE NOT DEPENDENT ON EXPOSURE TO HIGH TRAFFIC ROADWAYS. LARGE OUTDOOR SPACE REQUIREMENTS MAY BE ACCOMMODATED, BUT SITES MUST MAINTAIN AN ACCEPTABLE DEGREE OF VISUAL APPEAL INCLUDING FRONT YARD LANDSCAPING AND SCREENING WHERE NECESSARY. HEAVY EQUIPMENT MAY BE PERMITTED TO ACCESS SITES IN THIS DISTRICT WHERE ROAD INFRASTRUCTURE ALLOWS.	
PROPOSED ZONING DISTRICT VARIANCE	NONE	
PERMITTED USE	[IND1] GENERAL INDUSTRIAL DISTRICT	
	REQUIRED MIN/MAX	*PROVIDED*
SITE AREA	MIN 9000 m²	~ 21,348 m²
BUILDING TO SITE AREA RATIO (%)	UNCONTROLLED	UNCONTROLLED
MIN. SITE FRONTAGE	MIN 46.0 m (150' - 11 1/32")	~157.05 m (515' - 3 1/16")
MAXIMUM BUILDING HEIGHT	4 STOREYS (6M PER STOREY) 24 m (78' - 8 7/8")	TBD
PARKING - REQUIRED SPACES	ONE PARKING SPACE PER THREE EMPLOYEES @ PEAK PERIOD, BUT NOT LESS THAN ONE PARKING SPACE PER 150 m² OF GROSS FLOOR AREA MIN OF ONE BARRIER-FREE PARKING SPACE EVERY FOUR PARKING SPACES.	25 PARKING SPACES INCLUDING 6 BARRIER-FREE PARKING SPACES
LOT SETBACKS		
FRONT YARD (GEODETIC NORTH)	15.00 m (49' - 2 9/16")	12.12 m (39' - 9 3/16")
REAR YARD (GEODETIC SOUTH)	5.00 m (16' - 4 27/32")	47.00 m (154' 2 13/32")
SIDE YARD (GEODETIC WEST)	5.00 m (16' - 4 27/32")	92.4 m (303' - 2 3/16")
SIDE YARD (GEODETIC EAST)	5.00 m (16' - 4 27/32")	49.40 m (162' - 0 7/8")
NOTES		
1. NONE		

GENERAL NOTES

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SD-A2	IFR	2024-03-10	PV
SD-A1	IFR	2024-02-28	PV

ISSUED DRAWINGS

24090 - PROPOSED CRU BUILDING - BUILDING B
PARCEL O, S.W.1/4 SECTION 29 TWP.17 - RGE.18 - W.2MER.
RM OF EDENWOLD, SK

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

AUTHORIZATION

PROFESSIONAL ENGINEER — BRANT SAFINUK — SASKATCHEWAN — NUMBER 35203 — 2026-01-29 (YR. MN. DAY)

VALIDATION:

Association of Professional Engineers & Geoscientists of Saskatchewan
CERTIFICATE OF AUTHORIZATION
Kiras Engineering Ltd.
Number 62228
Permission to Consult held by:

Discipline	Ss. Reg. No.	Signature
STRCT	51629	
BLDG	51629	

SITE PLAN

PROJECT NO:	SCALE:	PLOT SIZE:
24090	AS NOTED	24X36

PROJECT LEAD	PV
PROJECT MANAGER	TE
ARCHITECTURAL DESIGN LEAD	PV
BIM MODELLER	GD

ISSUED FOR REVIEW

A101

CD-P00

GEODETIC

PLAN N

KIRAS ENGINEERING

A211 - KEYNOTES

NUMBER	DESCRIPTION
1	PROPOSED POST SPACING. FINAL LAYOUT TO BE FINALIZED IN STRUCTURAL SET.
2	70 GAL DUAL COMPARTMENT SUMP AS PER MECHANICAL TYP AT ALL O/H DOORS.

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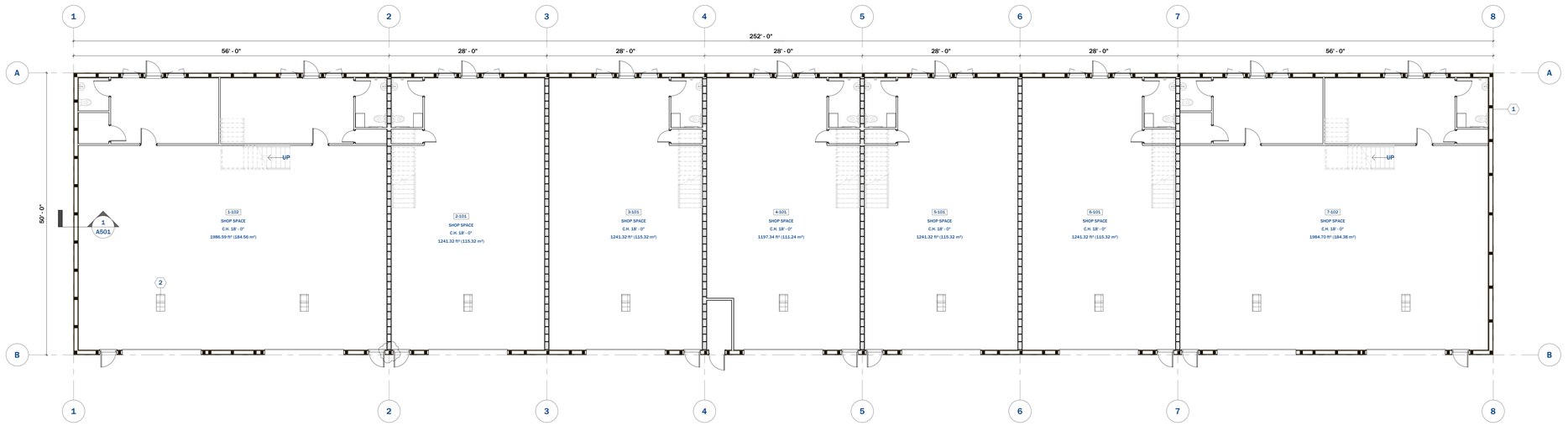
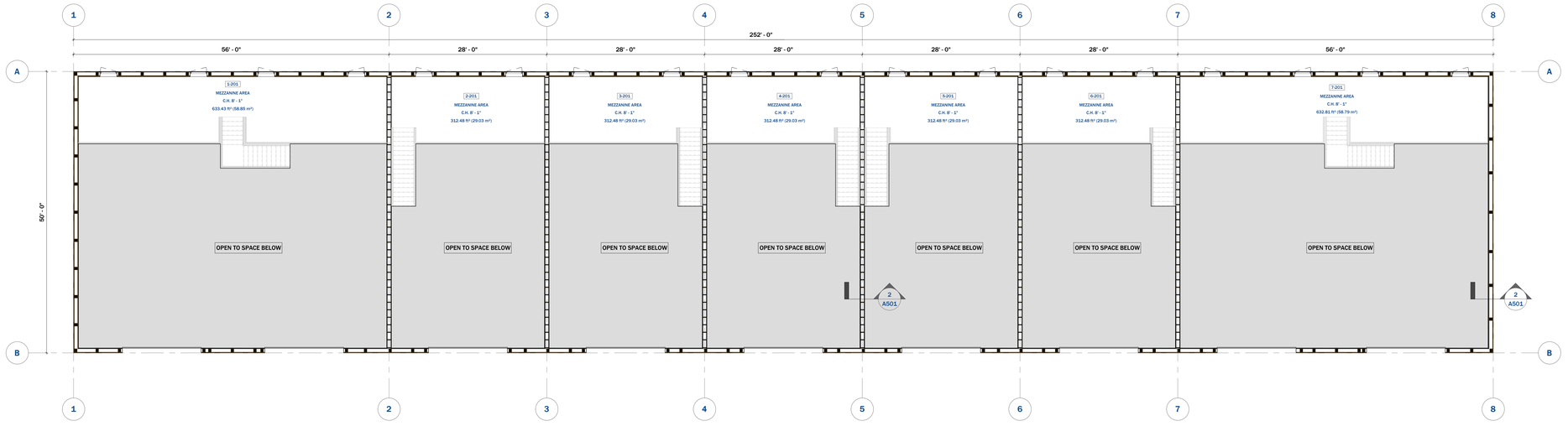


1 **FIRST STOREY - KEY PLAN**
1/8" = 1'-0"



2 **MEZZANINE - KEY PLAN**
1/8" = 1'-0"

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SD-A1	IFR	2024-02-28	PV

ISSUED DRAWINGS

24090 - PROPOSED CRU BUILDING - BUILDING B
PARCEL Q, S.W.1/4 SECTION 29 TWP.17 - RGE.18 - W.2MER.
RM OF EDENWOLD, SK

BRANT SAFINUK
1-182 HUDUM RD
RM OF SHERWOOD, SK S4K 0A4

AUTHORIZATION

PROFESSIONAL ENGINEER
SAFINUK
BRANT DAVID
NUMBER 35203
2026-01-29
YR. MN. DAY
SASKATCHEWAN

VALIDATION

Association of Professional Engineers & Geoscientists of Saskatchewan
CERTIFICATE OF AUTHORIZATION
Kiras Engineering Ltd.
Number C2228
Permission to Consult held by:

Discipline	Sk. Reg. No.	Signature
STRUCT.	S16.29	
BLDG	S16.29	

FIRST STOREY - KEYPLAN

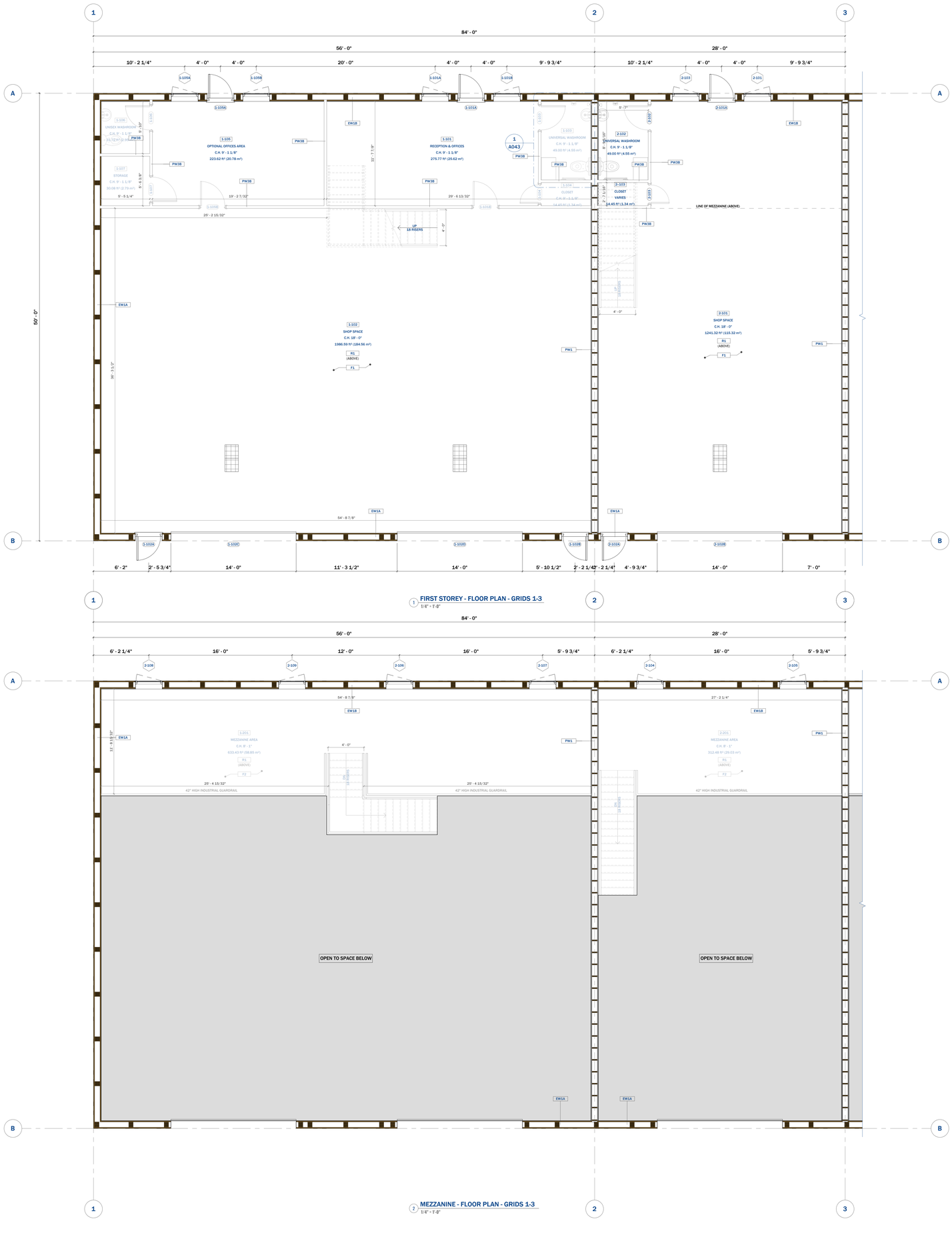
PROJECT NO:	SCALE:	PLOT SIZE:
24090	1/4" = 1'-0"	24X36

PROJECT LEAD	PV
PROJECT MANAGER	TE
ARCHITECTURAL DESIGN LEAD	PV
BIM MODELLER	GD

ISSUED FOR REVIEW

A211

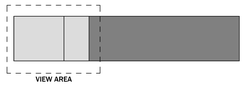
CD-P00



1 FIRST STOREY - FLOOR PLAN - GRIDS 1-3
1/4" = 1'-0"

2 MEZZANINE - FLOOR PLAN - GRIDS 1-3
1/4" = 1'-0"

GEODETIC N
PLAN N



A212 KEYPLAN
1" = 60'-0"

KIRAS ENGINEERING

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ISSUED DRAWINGS

24090 - PROPOSED CRU BUILDING - BUILDING B
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RM OF EDENWOLD, SK

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

AUTHORIZATION

PROFESSIONAL ENGINEER
PROVINCE OF SASKATCHEWAN
NUMBER 35203
2026-01-29
YR. MN. DAY

VALIDATION

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CERTIFICATE OF AUTHORIZATION
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Number C2228
Permission to Consult held by:

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

FIRST STOREY - FLOOR PLAN - GRIDS 1-3

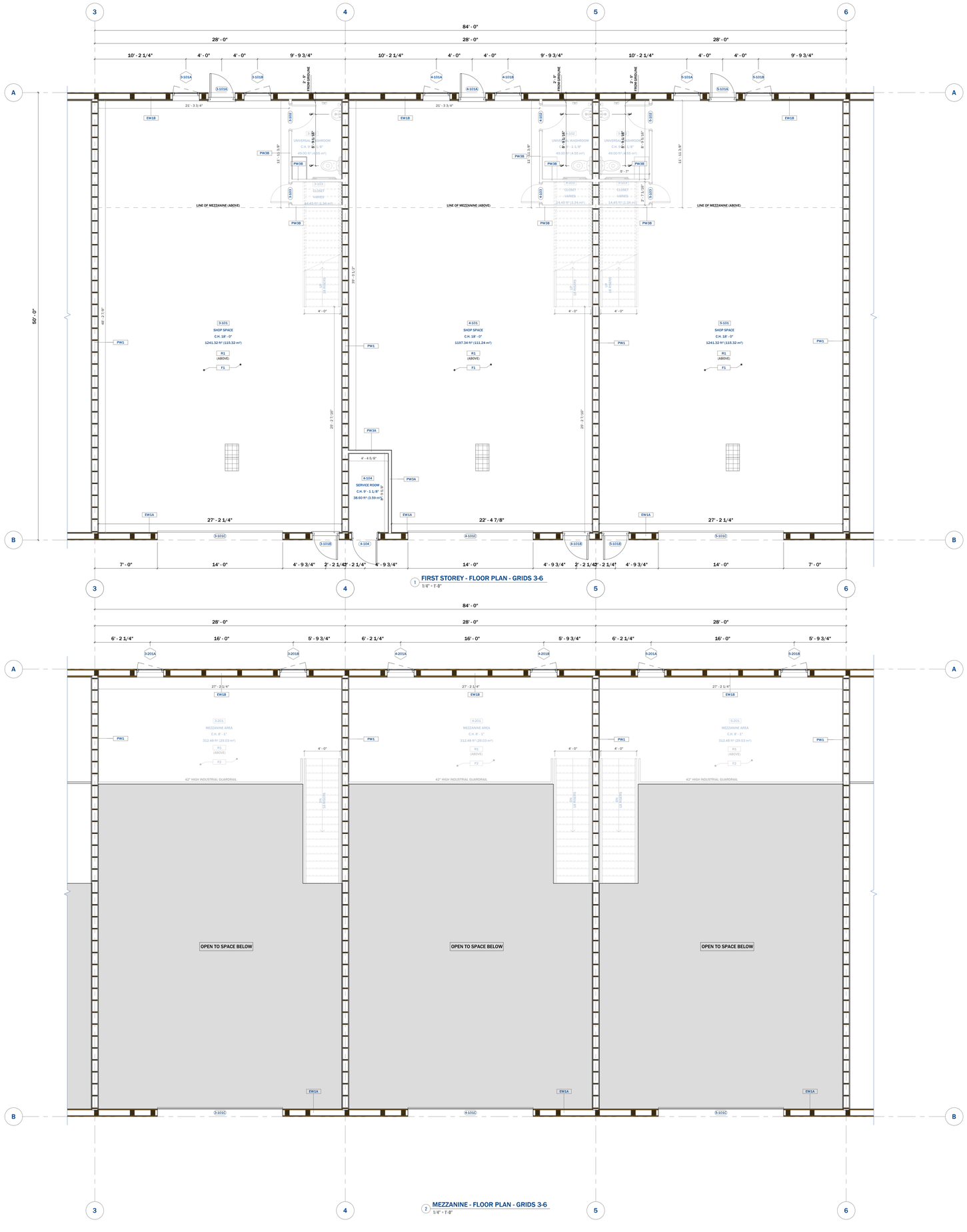
PROJECT NO:	SCALE:	PLOT SIZE:
24090	1/4" = 1'-0"	24X36

PROJECT LEAD	PV
PROJECT MANAGER	TE
ARCHITECTURAL DESIGN LEAD	PV
BIM MODELLER	GD

ISSUED FOR REVIEW

A212

CD-P00



1 FIRST STOREY - FLOOR PLAN - GRIDS 3-6
1/4" = 1'-0"

2 MEZZANINE - FLOOR PLAN - GRIDS 3-6
1/4" = 1'-0"

A213 KEYPLAN
1" = 60'-0"

GEODETIC N

PLAN N

KIRAS ENGINEERING

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NO.	ISSUED FOR:	ISSUED DATE:	BY:

ISSUED DRAWINGS

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AUTHORIZATION

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PROVINCE OF SASKATCHEWAN
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2026-01-29
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BLDG	51629	

FIRST STOREY - FLOOR PLAN - GRIDS 3-6

PROJECT NO:	SCALE:	PLOT SIZE:
24090	1/4" = 1'-0"	24X36

PROJECT LEAD	PV
PROJECT MANAGER	TE
ARCHITECTURAL DESIGN LEAD	PV
BIM MODELLER	GD

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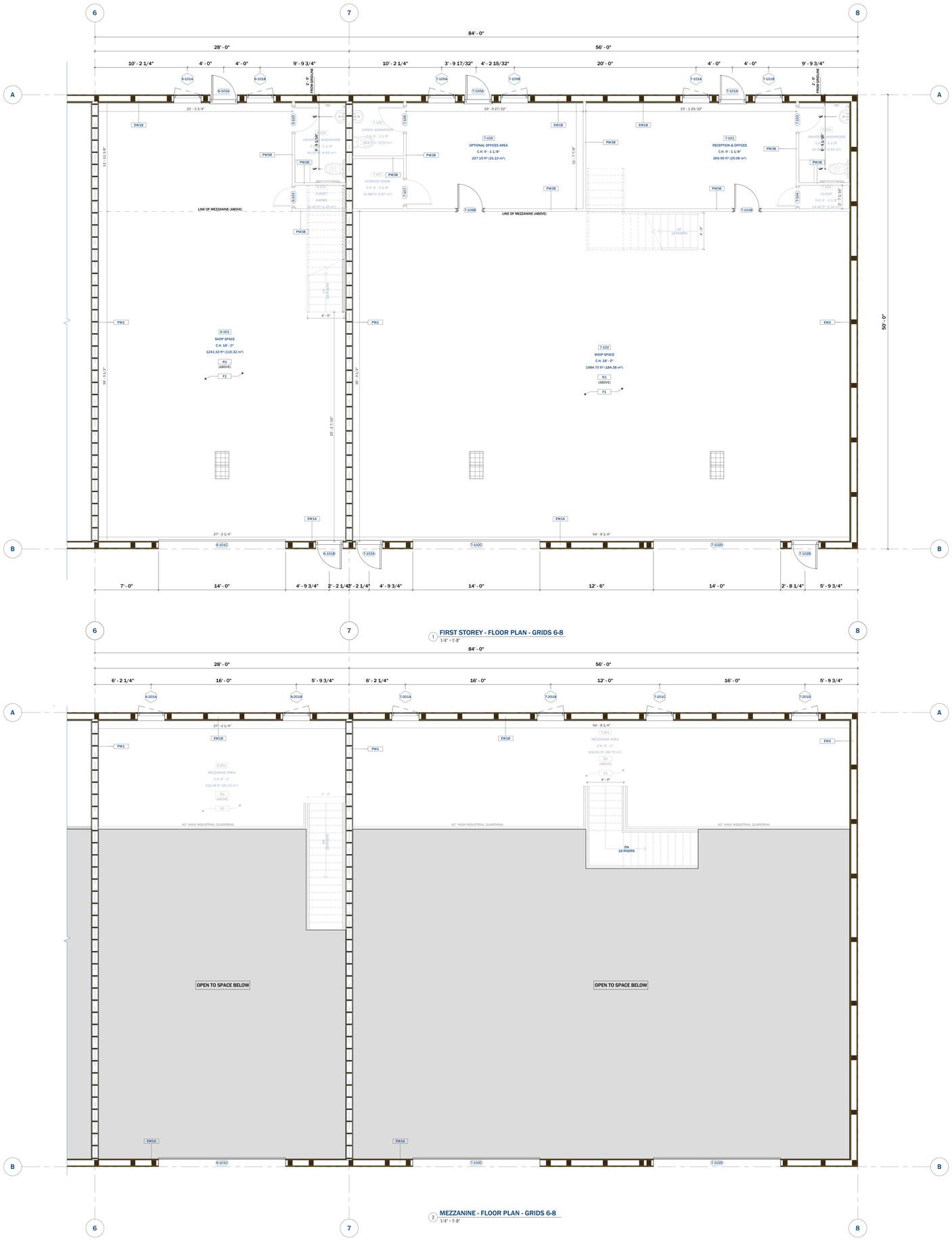
A213

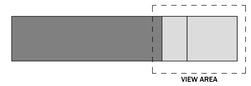
CD-P00



1 FIRST STOREY - FLOOR PLAN - GRIDS 6-8
1/4" = 1'-0"

2 MEZZANINE - FLOOR PLAN - GRIDS 6-8
1/4" = 1'-0"

GEODETIC N | PLAN N



VIEW AREA

A214 KEYPLAN
1" = 60'-0"

KIRAS ENGINEERING

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SD-A2	IFR	2024-03-10	PV
SD-A1	IFR	2024-02-28	PV

ISSUED DRAWINGS

24090 - PROPOSED CRU BUILDING - BUILDING B
PARCEL Q, S.W.1/4 SECTION 29 TWP.17 - RGE.18 - W.2MER.
RM OF EDENWOLD, SK

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

AUTHORIZATION

PROFESSIONAL ENGINEER
PROVINCE OF SASKATCHEWAN
NUMBER 35203
2026-01-29
YR. MN. DAY
SASKATCHEWAN

VALIDATION

Association of Professional Engineers & Geoscientists of Saskatchewan
CERTIFICATE OF AUTHORIZATION
Kiras Engineering Ltd.
Number 02328
Permission to Consult held by:

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

FIRST STOREY - FLOOR PLAN - GRIDS 6-8

PROJECT NO:	SCALE:	PLOT SIZE:
24090	1/4" = 1'-0"	24X36

PROJECT LEAD	PV
PROJECT MANAGER	TE
ARCHITECTURAL DESIGN LEAD	PV
BIM MODELLER	GD

ISSUED FOR REVIEW

A214

CD-P00

GEODETIC

PLAN N

KIRAS ENGINEERING

GENERAL NOTES

1. **CODES AND STANDARDS:**
ALL WORK SHALL COMPLY WITH THE LATEST EDITIONS OF APPLICABLE BUILDING CODES, LOCAL ORDINANCES, AND STANDARDS.

2. **DIMENSIONS:**
VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD BEFORE COMMENCING WORK. REPORT ANY DISCREPANCIES TO THE AUTHORIZING LICENSED PROFESSIONAL IMMEDIATELY.

3. **MATERIALS AND WORKMANSHIP:**
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4. **UTILITIES:**
CONFIRM THE LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO THE COMMENCEMENT OF WORK. PROTECT AND MAINTAIN ALL UTILITIES DURING CONSTRUCTION.

5. **SAFETY:**
FOLLOW ALL SAFETY REGULATIONS AND GUIDELINES. PROVIDE AND MAINTAIN NECESSARY SAFETY BARRIERS, SIGNAGE, AND PROTECTIVE EQUIPMENT. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING AND COMPLYING WITH ON SITE SAFETY REQUIREMENTS.

6. **SITE ACCESS:**
ENSURE THAT SITE ACCESS POINTS, STAGING AREAS, AND STORAGE LOCATIONS ARE CLEARLY MARKED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.

7. **CHANGES:**
ANY CHANGES TO THE CONSTRUCTION DRAWINGS MUST BE APPROVED BY THE AUTHORIZING LICENSED PROFESSIONAL.

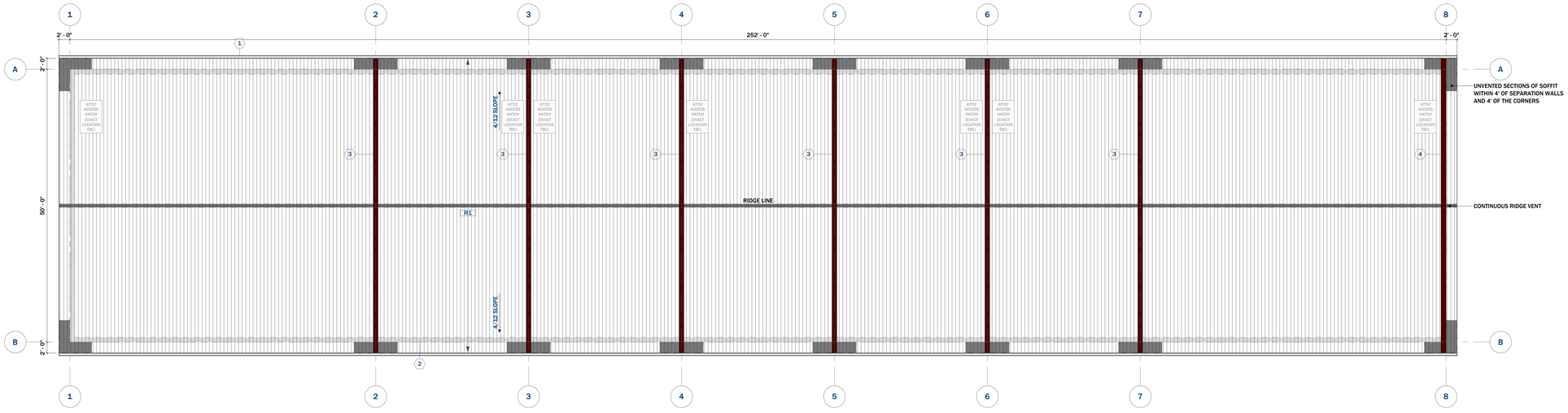
8. **COORDINATION:**
COORDINATE ALL WORK WITH OTHER DISCIPLINES AND TRADES AND ENSURE THAT ALL INSTALLATIONS DO NOT INTERFERE WITH EXISTING OR PLANNED WORK. ANY DISCREPANCIES BETWEEN DISCIPLINES OR DRAWINGS OR IN THE FIELD SHALL BE REPORTED TO THE AUTHORIZING LICENSED PROFESSIONAL IMMEDIATELY.

9. **INSPECTIONS:**
SCHEDULE AND PERFORM ALL REQUIRED INSPECTIONS AS INDICATED BY LOCAL AUTHORITIES AND THE AUTHORIZING LICENSED PROFESSIONAL. NOTIFY THE AUTHORIZING LICENSED PROFESSIONAL A MINIMUM OF 72 HOURS PRIOR TO REQUIRING THE INSPECTION. DO NOT COVER ITEMS TO BE INSPECTED PRIOR TO INSPECTION.

10. **CLEAN UP:**
MAINTAIN A CLEAN AND ORDERLY WORK SITE. REMOVE DEBRIS AND WASTE MATERIALS PROMPTLY.

11. **SUBMITTALS:**
SUBMIT ALL REQUIRED SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES TO THE AUTHORIZING LICENSED PROFESSIONAL FOR REVIEW AND APPROVAL BEFORE FABRICATION OR INSTALLATION.

A231 - KEYNOTES	
NUMBER	***DESCRIPTION***
1	EAVESTROUGH C/W LEAF GUARD
2	POST FRAME WALLS (BELOW)
3	FIRE SEPARATION EXTENDS TO UNDERSIDE OF ROOF DECK
4	EXPOSED BUILDING FACE FIR ERATING EXTENDS TO UNDERSIDE OF ROOF DECK



1 ROOF PLAN
1/8" = 1'-0"

NO.	ISSUED FOR:	ISSUED DATE:	BY:
CD-P00	IFP	2026-01-29	TE
DD-A3	IFR	2025-04-07	PV
DD-A2	IFR	2025-04-04	PV
DD-A1	IFR	2025-03-28	PV
SD-A1	IFR	2024-02-28	PV

ISSUED DRAWINGS

24090 - PROPOSED CRU BUILDING - BUILDING B
PARCEL O, S.W.1/4 SECTION 29 TWP.17 - RGE.18 - W.2MER.
RM OF EDENWOLD, SK

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

AUTHORIZATION

PROFESSIONAL ENGINEER
T. W. EDWARDS
NUMBER 35203
2026-01-29
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
STRCT	51624	
BLDG	51624	

ROOF PLAN

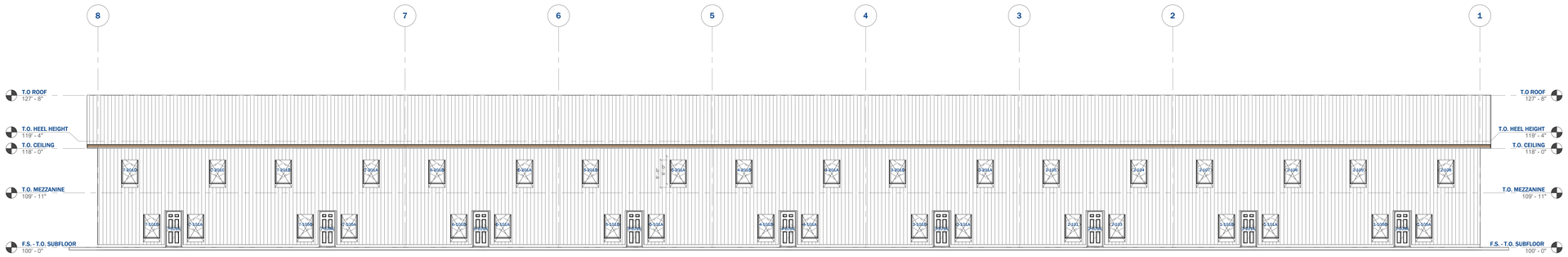
PROJECT NO.	SCALE:	PLOT SIZE:
24090		24X36

PROJECT LEAD	PV
PROJECT MANAGER	TE
ARCHITECTURAL DESIGN LEAD	PV
BIM MODELLER	GD

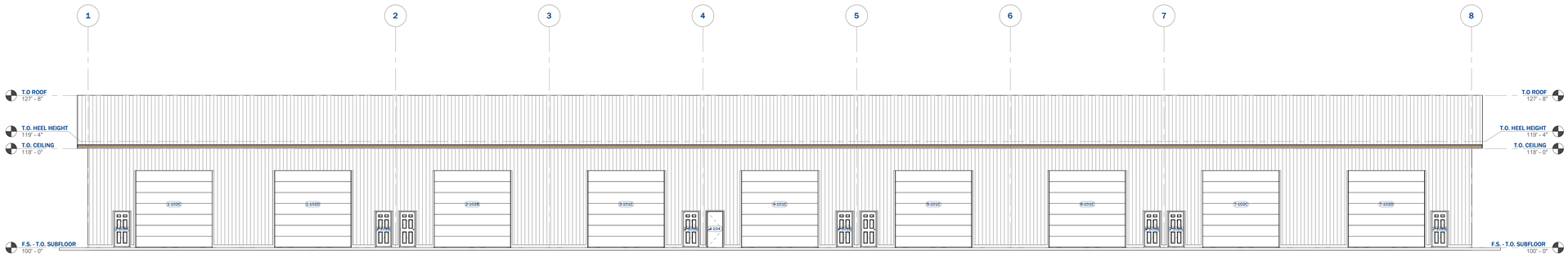
ISSUED FOR REVIEW

A231

CD-P00



1 GEODETIC WEST ELEVATION
1/8" = 1'-0"



3 GEODETIC EAST ELEVATION
1/8" = 1'-0"

KIRAS ENGINEERING

GENERAL NOTES

1. **CODES AND STANDARDS:**
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NO.	ISSUED FOR:	ISSUED DATE:	BY:
CD P00	IFP	2026-01-29	TE
DD A3	IFR	2025-04-07	PV
DD A2	IFR	2025-04-04	PV
DD A1	IFR	2025-03-28	PV

ISSUED DRAWINGS

24090 - PROPOSED CRU BUILDING - BUILDING B
PARCEL Q, S.W.1/4 SECTION 29 TWP.17 - RGE.18 - W.2MER.
RM OF EDENWOLD, SK

BRANT SAFINUK
1-182 HUGUM RD
RM OF SHERWOOD, SK S4K 0A4

AUTHORIZATION

PROFESSIONAL ENGINEER
BRANT SAFINUK
SASKATCHEWAN
2026-01-29
YR. MN. DAY

VALIDATION

Association of Professional Engineers & Geoscientists of Saskatchewan
CERTIFICATE OF AUTHORIZATION
Kiras Engineering Ltd.
Number 02328
Permission to Consult held by:

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

BUILDING ELEVATIONS

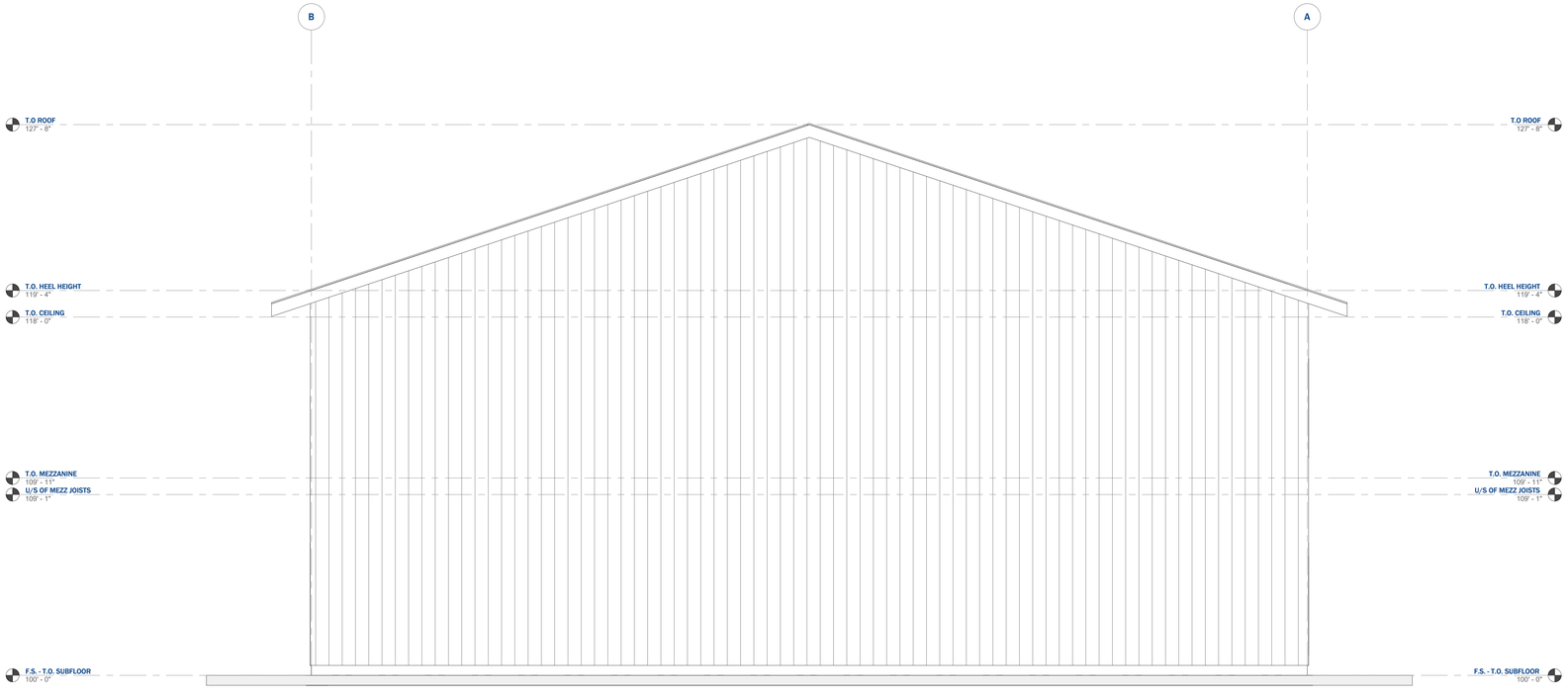
PROJECT NO:	SCALE:	PLOT SIZE:
24090	1/4" = 1'-0"	24X36

PROJECT LEAD	PV
PROJECT MANAGER	TE
ARCHITECTURAL DESIGN LEAD	PV
BIM MODELLER	GD

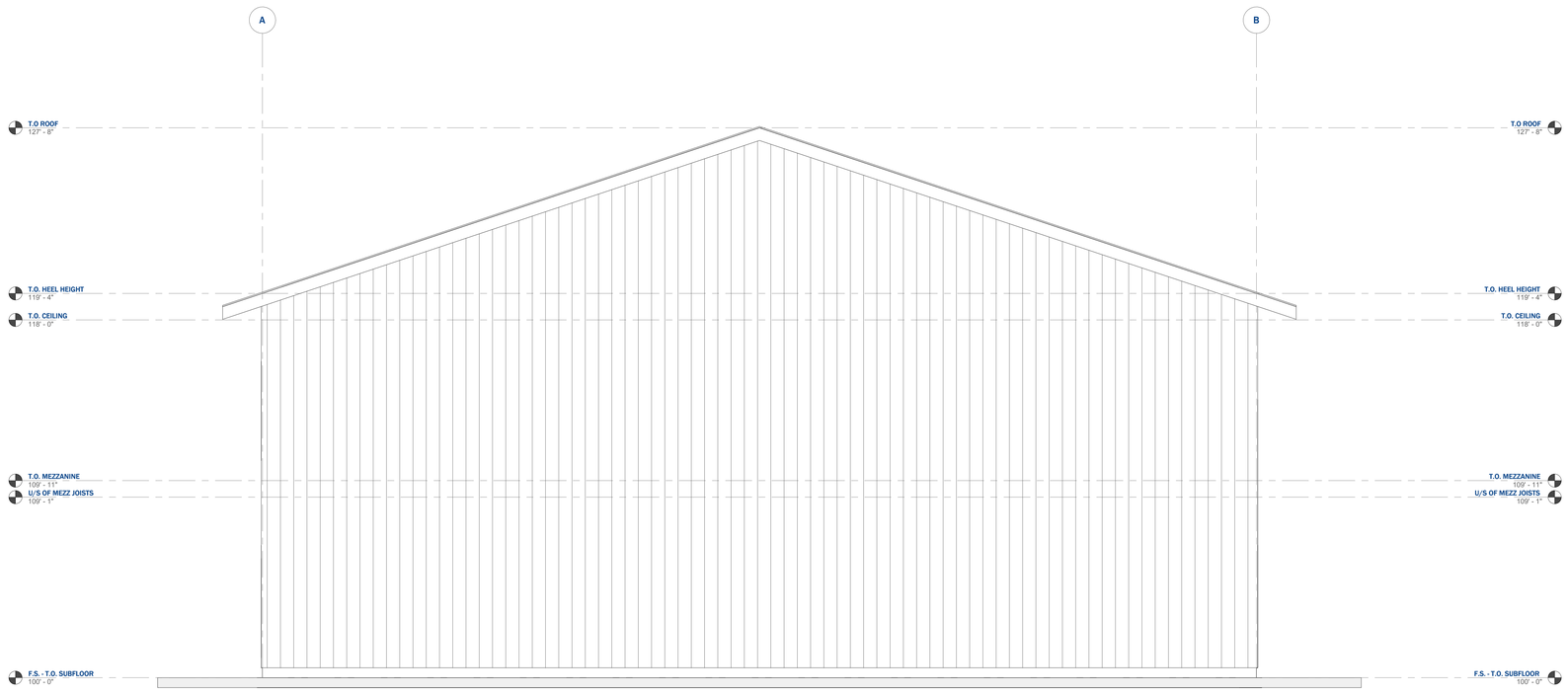
ISSUED FOR REVIEW

A301

CD-P00



1 **GEODETIC NORTH ELEVATION**
3/8" = 1'-0"



2 **GEODETIC SOUTH ELEVATION**
3/8" = 1'-0"

KIRAS ENGINEERING

GENERAL NOTES

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NO.	ISSUED FOR:	ISSUED DATE:	BY:
CD P00	IFP	2026-01-29	TE
DD-A3	IFR	2025-04-07	PV
DD-A2	IFR	2025-04-04	PV
DD-A1	IFR	2025-03-28	PV

ISSUED DRAWINGS

24090 - PROPOSED CRU BUILDING - BUILDING B
PARCEL Q, S.W.1/4 SECTION 29 TWP.17 - RGE.1E - W.2MER.
RM OF EDENWOLD, SK

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

AUTHORIZATION

PROFESSIONAL ENGINEER
PROVINCE OF SASKATCHEWAN
BRANDON SAFINUK
NUMBER 35203
2026-01-29
YR. MN. DAY

VALIDATION

Association of Professional Engineers & Geoscientists of Saskatchewan
CERTIFICATE OF AUTHORIZATION
Kiras Engineering Ltd.
Number C2328
Permission to Consult held by:

Discipline	Sk. Reg. No.	Signature
STRUCT.	S1628	
BLDG	S1629	

BUILDING ELEVATIONS

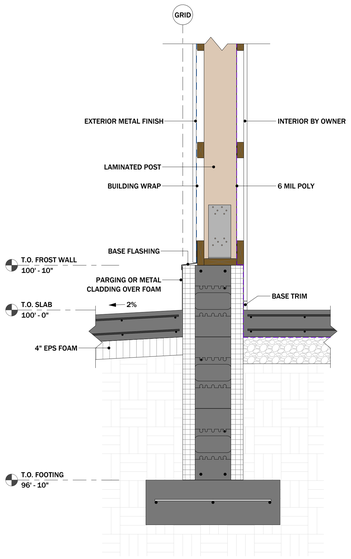
PROJECT NO:	SCALE:	PLOT SIZE:
24090	1/4" = 1'-0"	24X36

PROJECT LEAD	PV
PROJECT MANAGER	TE
ARCHITECTURAL DESIGN LEAD	PV
BIM MODELLER	GD

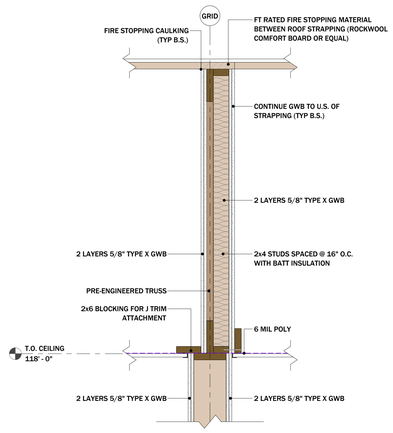
ISSUED FOR REVIEW

A302

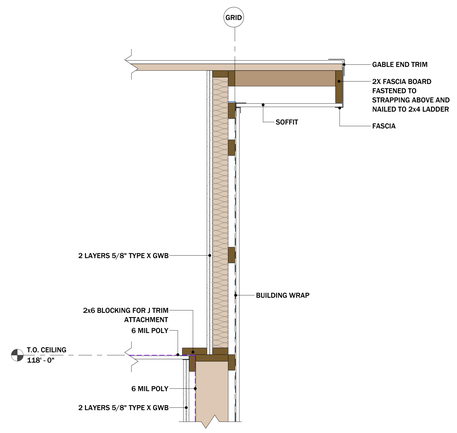
CD-P00



1 **TYPICAL EXTERIOR WALL TO FND CONNECTION**
1" = 1'-0"



2 **TYPICAL PARTITION WALL TRUSS FIRE RATING**
1" = 1'-0"



3 **TYPICAL GABLE END TRUSS FIRE RATING**
1" = 1'-0"

KIRAS ENGINEERING

GENERAL NOTES

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NO.	ISSUED FOR:	ISSUED DATE:	BY:
CD-P00	IFP	2026-01-29	TE

ISSUED DRAWINGS

24090 - PROPOSED SHOP & RENTAL UNIT - BUILDING A
PARCEL Q, S.W. 1/4 SECTION 29 TWP. 17 -RGE.18 - W.2MER.

BRANT SAFINUK
1-162 HUSUM RD

AUTHORIZATION

PROFESSIONAL ENGINEER
PAUL VENTURA
SASKATCHEWAN
MEMBER 35203
2026-01-29
YR. MN. DAY

VALIDATION

Association of Professional Engineers & Geoscientists of Saskatchewan
CERTIFICATE OF AUTHORIZATION
Kiras Engineering Ltd.
Number 02328
Permission to Consult held by:

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

ARCHITECTURAL DETAILS

PROJECT NO:	SCALE:	PLOT SIZE:
24090		24X36

PROJECT LEAD	PV
PROJECT MANAGER	TE
ARCHITECTURAL DESIGN LEAD	PV
BIM MODELLER	GD

ISSUED FOR PERMIT

A501

CD-P00