

GOOD SPIRIT BIBLE CAMP

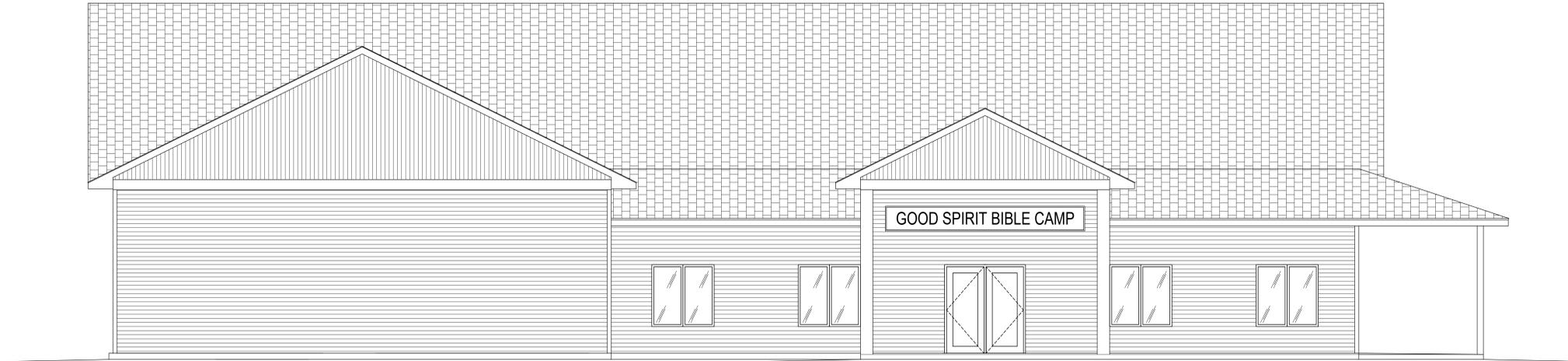
RM OF GOOD LAKE #274, SASKATCHEWAN



130 HANLEY CRESCENT, WHITE CITY, SK
C: 306.535.9197 P: 306.584.3323
jason@gilchukdesign.com



Ph. 403.866.4932
www.cfengineering.ca



CONSULTING DESIGN TEAM

BUILDING DESIGNER / TEAM LEAD



PH: 306-535-9197
jason@gilchukdesign.com

STRUCTURAL ENGINEER



PH: 403-866-4932
kevin.hyam@cfiengineering.ca

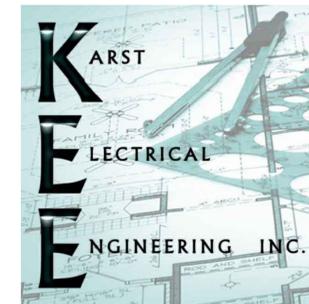
MECHANICAL / CIVIL ENGINEER



PS. Engineering

PH: 306-501-0154
patrick@pseng.ca

ELECTRICAL ENGINEER



PH: 306-537-4979
j.karst.kee@gmail.com

LIST OF DRAWINGS

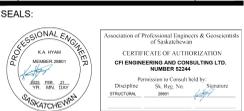
- BD1.1 - GENERAL INFORMATION
- BD1.2 - SITE MAPS
- BD1.3 - SITE PLAN; CODE ANALYSIS
- BD1.4 - WINDOW SCHEDULE; CONSTRUCTION TYPES; DOOR SCHEDULES
- BD1.5 - GENERAL SPECIFICATIONS
- BD2.1 - MAIN FLOOR PLAN
- BD2.2 - ROOF PLAN
- BD2.3 - REFLECTED CEILING PLANS
- BD2.4 - ENLARGED WASHROOM PLANS
- BD3.1 - EXTERIOR ELEVATIONS
- BD4.1 - BUILDING SECTIONS
- BD4.2 - BUILDING SECTIONS
- BD4.3 - BUILDING SECTIONS
- BD4.4 - BUILDING SECTIONS

- S001 - SPECIFICATIONS & SCHEDULES
- S101 - FOUNDATION PLAN
- S102 - MAIN FLOOR FRAMING PLAN
- S301 - FOUNDATION DETAILS
- S302 - FRAMING DETAILS

- MS-1 - MECHANICAL SITE PLAN
- M-1 - FOUNDATION FLOOR SANITARY PLUMBING
- M-2 - MAIN FLOOR PLAN DOMESTIC PLUMBING
- M-3 - MAIN FLOOR PLAN HVAC
- M-4 - MAIN FLOOR PLAN FIRE PROTECTION
- M-5 - MECHANICAL SCHEDULE AND SPECIFICATIONS

- E0 - SITE PLAN
- E1 - ELECTRICAL PLAN
- E2 - ELECTRICAL SPECIFICATIONS

REV	DESCRIPTION	DATE
1	ISSUED FOR TENDER	21 FEB 2025



GENERAL NOTES

- PRIOR TO PROCEEDING WITH CONSTRUCTION THE OWNER / CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND VERIFY ALL INFORMATION, DIMENSIONS AND SPECIFICATIONS OF THIS PLAN AND OF THE BUILDING PERMIT FROM THE AUTHORITY HAVING JURISDICTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE DRAFTSMAN BEFORE CONSTRUCTION COMMENCES.

- BUILDING GRADE ELEVATIONS ARE SUGGESTED ONLY AND MAY HAVE TO BE REVISED TO SUIT EXACT SITE CONDITIONS.

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA, CURRENT EDITION AND THE AUTHORITY HAVING JURISDICTION.

- WINDOWS SIZES & LOCATIONS SHALL BE CONFIRMED BY THE OWNER.

- UTILITY COMPANIES SHALL BE CONTACTED TO LOCATE ALL UNDER GROUND SERVICES PRIOR TO ANY EXCAVATING COMMENCING.

ABBREVIATIONS

UD - TOP UP	UP - UNDERSIDE	OSB - ORIENTED STRAND BOARD	PT - PRESURE TREATED	ND - KNOCK DOWN	HCW - HOLLOW CORE WOOD	SCW - SOLID CORE WOOD	HCM - HOLLOW CORE METAL	ICF - INSULATED CONCRETE FORM	PI - PRESSED STEEL	MI - METAL INSULATED	DFR - DOUBLE GLAZE	S.P. - BRIDGE PINE FOR	DWW - OPEN WEB WOOD JOIST	T&G - TONGUE AND GROOVE	PRE-FIN - PRE FINISHED	REIN - REINFORCED	CB - GRADE BEAM	CONT - CONTINUOUS	NO - WOOD	B.U. - BUILT UP	M.B.C. - NATIONAL BUILDING CODE	H.S. - HOLLOW STRUCTURAL STEEL	CANT - CANTILEVER
-------------	----------------	-----------------------------	----------------------	-----------------	------------------------	-----------------------	-------------------------	-------------------------------	--------------------	----------------------	--------------------	------------------------	---------------------------	-------------------------	------------------------	-------------------	-----------------	-------------------	-----------	-----------------	---------------------------------	--------------------------------	-------------------

GOOD SPIRIT BIBLE CAMP
DINING HALL BUILDING

GOOD SPIRIT LAKE, SASKATCHEWAN

TITLE: COVER SHEET
GENERAL INFORMATION

DRAWN BY: JASON GILCHUK

DATE: NOVEMBER 2023

FILE NO: 9475

SCALE: AS NOTED

SHEET NO.: BD1.1



DONALD GUNN

BALSAM CAMPGROUND

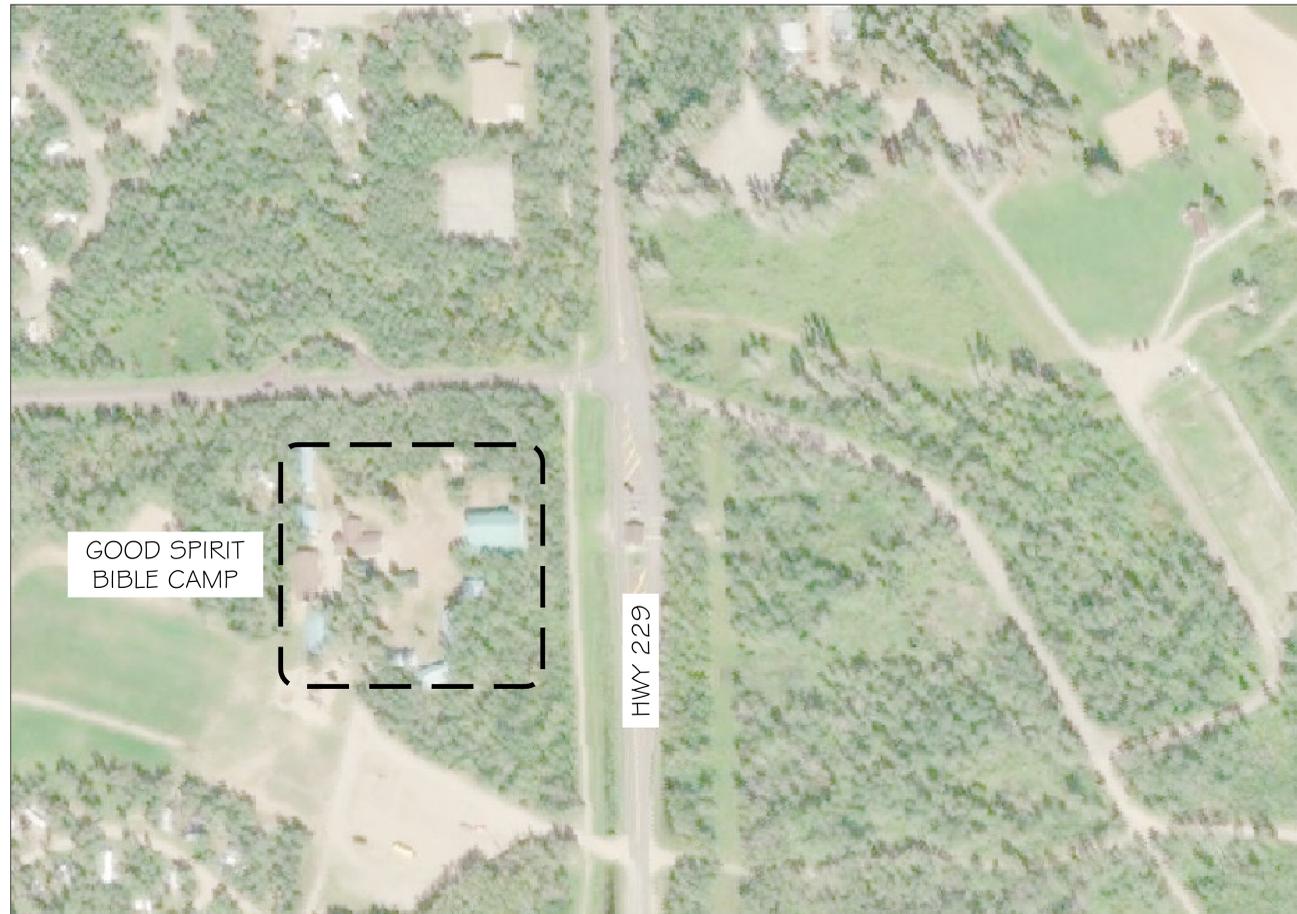
GOOD SPIRIT LAKE BEACH

GOOD SPIRIT BIBLE CAMP

HWY 229



A KEYPLAN
BD1.2 N.T.S.



GOOD SPIRIT BIBLE CAMP

HWY 229



B SITE PLAN
BD1.2 N.T.S.

REV	DESCRIPTION	DATE
1	ISSUED FOR TENDER	21 FEB 2025

SEALS:

GENERAL NOTES

- PRIOR TO PROCEEDING WITH CONSTRUCTION THE OWNER / CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND VERIFY ALL INFORMATION, DIMENSIONS AND SPECIFICATIONS OF THIS PLAN AND OF ALL BUILDING PERMIT FROM THE AUTHORITY HAVING JURISDICTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE DRAFTSMAN BEFORE CONSTRUCTION COMMENCES.

- BUILDING GRADE ELEVATIONS ARE SUGGESTED ONLY AND MAY HAVE TO BE REVISED TO SUIT EXACT SITE CONDITIONS.

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA, CURRENT EDITION AND THE AUTHORITY HAVING JURISDICTION.

- WINDOWS SIZES & LOCATIONS SHALL BE CONFIRMED BY THE OWNER.

- UTILITY COMPANIES SHALL BE CONTACTED TO LOCATE ALL UNDER GROUND SERVICES PRIOR TO ANY EXCAVATING COMMENCING.

ABBREVIATIONS

TD = TOP OF	SPF = SPRUCE PINE FIR
US = UNDERSIDE	DWW = OPEN WEB WOOD JOIST
MSF = MEDIUM DENSITY FIBREBOARD	T&G = TONGUE AND GROOVE
OSB = ORIENTED STRAND BOARD	PF-FIN = PINE FINISHED
PT-L = PRESURE TREATED	RSWF = REINFORCED
ND = KNOCK DOWN	GB = GRADE BEAM
HCW = HOLLOW CORE WOOD	CON = CONCRETE
SCW = SOLID CORE WOOD	CONT = CONTINUOUS
HCM = HOLLOW CORE METAL	WD = WOOD
ICF = INSULATED CONCRETE FORM	BLU = BUILT UP
PS = PRESURE STEEL	M&C = NATIONAL BUILDING CODE
MI = METAL INSULATED	HSB = HOLLOW STRUCTURAL STEEL
DFP = DOUGLASS FIR	CANT = CANTILEVER

GOOD SPIRIT BIBLE CAMP
DINING HALL BUILDING

GOOD SPIRIT LAKE, SASKATCHEWAN

TITLE: SITE PLANS

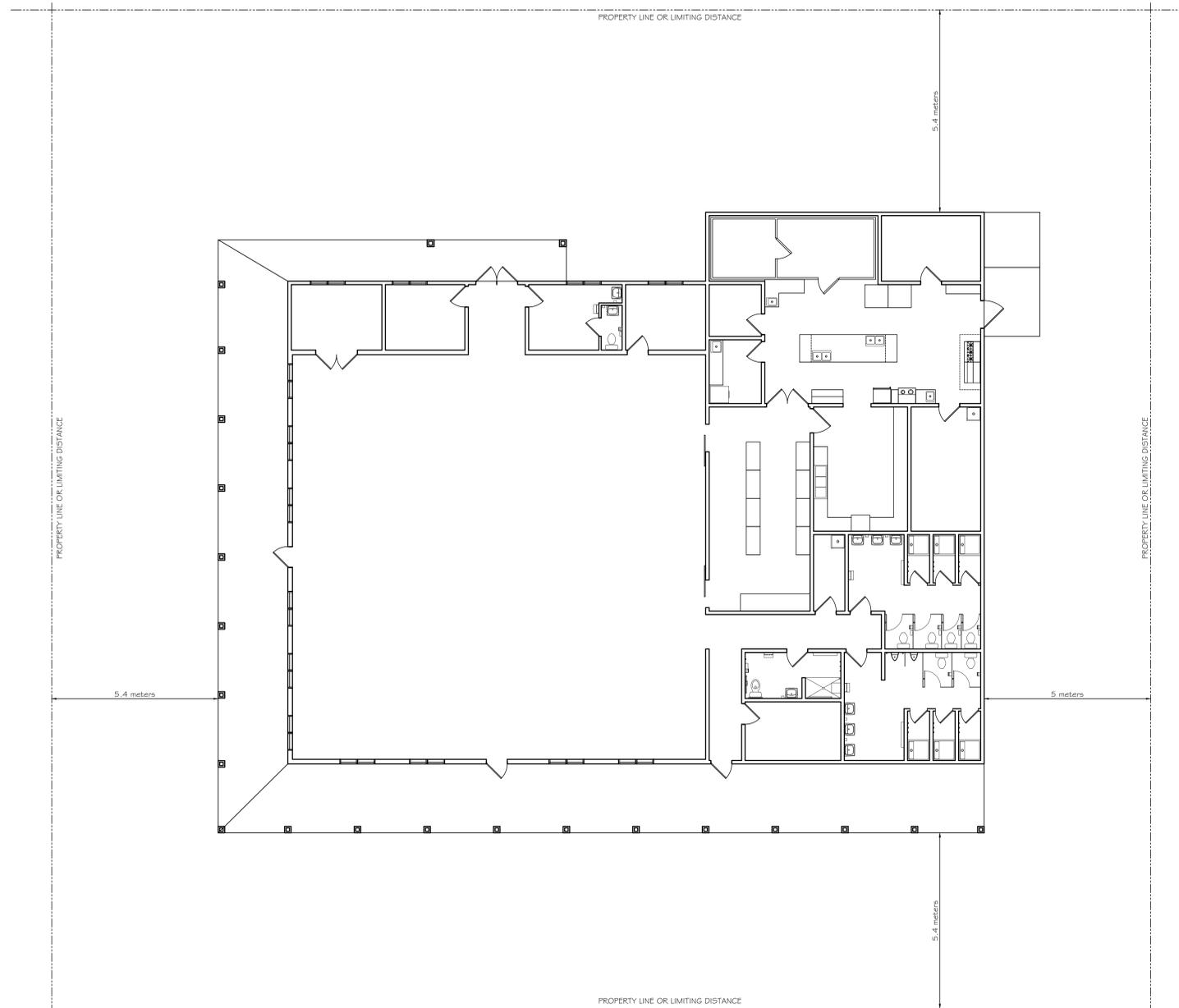
DRAWN BY: JASON GILCHUK

DATE: NOVEMBER 2023

FILE NO: 9475

SCALE: AS NOTED

SHEET NO: **BD1.2** REVISION:



BUILDING CODE REVIEW

NATIONAL BUILDING CODE OF CANADA 2020 EDITION

GOOD SPIRIT BIBLE CAMP
RM OF GOOD LAKE, SASKATCHEWAN

BUILDING AREA: 743.218 m²
MAJOR OCCUPANCY: GROUP A2
NUMBER OF STORIES: 1
NUMBER OF STREETS: 1

CLASSIFICATION: 3.2.2.25. GROUP A2, UP TO 2 STOREYS
NOT MORE THAN 2 STOREYS IN BUILDING HEIGHT
BUILDING AREA NOT MORE THAN 800m², FACING ONE STREET, TWO STOREYS
COMBUSTIBLE OR NON-COMBUSTIBLE CONSTRUCTION USED SINGLY OR IN COMBINATION.

CONSTRUCTION: SHALL BE FIRE SEPARATIONS WITH 3/4 HOUR FIRE RESISTANCE RATING
ROOF ASSEMBLY: SHALL BE FIRE SEPARATIONS WITH 3/4 HOUR FIRE RESISTANCE RATING
FLOOR ASSEMBLY: SHALL BE FIRE SEPARATIONS WITH 3/4 HOUR FIRE RESISTANCE RATING OR BE NON-COMBUSTIBLE CONSTRUCTION
LOAD BEARING: SHALL HAVE A FIRE-RESISTANCE RATING NOT LESS THAN THAT REQUIRED FOR THE SUPPORTED ASSEMBLY, OR BE NON-COMBUSTIBLE CONSTRUCTION.

FIRE DAMPERS: 3.1.8.7 IF DUCTS PENETRATE A REQUIRED FIRE SEPARATION.

FIRE STOPS: 3.1.9.1 REQUIRED THROUGH ALL FIRE SEPARATIONS.
OCCUPANT LOAD: (OCCUPANT LOAD OF 297 PERSONS SHALL BE POSTED AT ALL ENTRANCES)
3.1.17.1 88m² KITCHEN @ 9.3/PERSON = 9 PERSONS
345m² DINING HALL @ 1.20/PERSON = 288 PERSONS
297 PERSON OCCUPANT LOAD

PORTABLE FIRE EXTINGUISHERS: 3.2.5.16 PROVIDED IN ACCORDANCE WITH THE NFC.

EMERGENCY LIGHTING: 3.2.7.3 REQUIRED IN EXITS AND ACCESS TO EXITS.

EMERGENCY POWER FOR LIGHTING: 3.2.7.4 30 MINUTES REQUIRED.

LOCATION OF EXITS: 3.4.2.5 30m TRAVEL DISTANCE IN A FLOOR AREA

EXIT WIDTH: 3.4.3.2 EXIT WIDTH FOR CORRIDORS TO BE 1100mm MINIMUM AND STAIRS TO BE 900mm

FIRE SEPARATIONS: 3.6.2.1 SERVICE ROOMS - 1 HOUR F.R.R.

WATER CLOSETS: 3.7.2.2 ASSEMBLY OCCUPANCY (MAXIMUM 300 PEOPLE WASHROOM LOAD)
4 WOMENS WATERCLOSETS ARE PROVIDED (MAXIMUM 100 PEOPLE OCCUPANT LOAD)
4 MENS WATERCLOSETS ARE PROVIDED (MAXIMUM 100 PEOPLE OCCUPANT LOAD - DICTATED BY WOMENS COUNT)
RESIDENTIAL OCCUPANCY
2 UNISEX WATERCLOSETS ARE PROVIDED (MAXIMUM 100 PEOPLE OCCUPANT LOAD)

SPATIAL SEPARATION AND EXPOSURE PROTECTION

SECTION 3.2.3.1-C OF THE NATIONAL BUILDING CODE OF CANADA 2015 EDITION

>10% TO 25% - 1 HOUR F.R.R. - COMBUSTIBLE CONSTRUCTION AND NON-COMBUSTIBLE CLADDING
>25% TO 50% - 3/4 HOUR F.R.R. - COMBUSTIBLE CONSTRUCTION AND NON-COMBUSTIBLE CLADDING

SOUTH BUILDING NORTH FACE:

WALL AREA CALCULATIONS: MAIN FLOOR WALL AREA = 89.185m² = 25% ALLOWABLE. (2.9% ACTUAL)
SECOND FLOOR WALL AREA = 12.085m² = 95.87% ALLOWABLE. (6.12% ACTUAL)
LIMITING DISTANCE: 4.8 m

WEST BUILDING NORTH FACE:

WALL AREA CALCULATIONS: WALL AREA = 124.49m² = 25% ALLOWABLE. (18.1% ACTUAL)
LIMITING DISTANCE: 5.4m

NORTH BUILDING NORTH FACE:

WALL AREA CALCULATIONS: WALL AREA = 117.06m² = 25.6% ALLOWABLE. (17.2% ACTUAL)
LIMITING DISTANCE: 5.4 m

EAST BUILDING NORTH FACE:

WALL AREA CALCULATIONS: MAIN FLOOR WALL AREA = 124.49m² = 25% ALLOWABLE. (10.5% ACTUAL)
LIMITING DISTANCE: 5.4 m

FIRE ALARM IS REQUIRED DUE TO OCCUPANT LOAD

REV	DESCRIPTION	DATE
1	ISSUED FOR TENDER	21 FEB 2025

SEALS:



A
BD1.3
SITE PLAN
1: 150

GENERAL NOTES

- PRIOR TO PROCEEDING WITH CONSTRUCTION THE OWNER / CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND VERIFY ALL INFORMATION, DIMENSIONS AND SPECIFICATIONS OF THIS PLAN AND OBTAIN A BUILDING PERMIT FROM THE AUTHORITY HAVING JURISDICTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE DRAFTER BEFORE CONSTRUCTION COMMENCES.
- BUILDING GRADE ELEVATIONS ARE SUGGESTED ONLY AND MAY HAVE TO BE REVISED TO SUIT EXACT SITE CONDITIONS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA, CURRENT EDITION AND THE AUTHORITY HAVING JURISDICTION.
- WINDOWS SIZES & LOCATIONS SHALL BE CONFIRMED BY THE OWNER.
- UTILITY COMPANIES SHALL BE CONTACTED TO LOCATE ALL UNDERGROUND SERVICES PRIOR TO ANY EXCAVATING COMMENCING.

ABBREVIATIONS

TO = TOP OF	US = UNDERSIDE	RF = REINFORCED CONCRETE	OSB = ORIENTED STRAND BOARD	PT = PRESURE TREATED	ND = NAIL DOWN	HCW = HOLLOW CORE WOOD	SCW = SOLID CORE WOOD	HCW = HOLLOW CORE METAL	ICF = INSULATED CONCRETE FORM	PI = PRESSED IRON	DI = DOUGLASS FIR
2 P = BRIDGE PINE FOR	OWU = OPEN WEB WOOD JOIST	T&G = TONGUE AND GROOVE	PF = PRE FINISHED	RF = REINFORCED	GB = GRADE BEAM	CON = CONCRETE	CONT = CONTINUOUS	WD = WOOD	B.U. = BUILT UP	M.C. = NATIONAL BUILDING CODE	H.S. = HOLLOW STRUCTURAL STEEL
											CS = CANTILEVER

GOOD SPIRIT BIBLE CAMP
DINING HALL BUILDING

GOOD SPIRIT LAKE, SASKATCHEWAN

TITLE: SITE PLAN
CODE ANALYSIS

DRAWN BY: JASON GILCHUK

DATE: NOVEMBER 2023

FILE NO: 9475

SCALE: AS NOTED

SHEET NO: BD1.3

REVISION:

WALL CONSTRUCTION TYPES:	
	W1 D-2.3.4.-A(40min) D-2.3.4.-E (20min) 1 HOUR F.R.R. HARDBOARD SIDING TYVEK BUILDING PAPER, TAPE JOINTS 1/2" PLYWOOD SHEATHING 2 X8 STUDS@16"oc R20 ROXUL BATT INSULATION 6 MIL CGSB POLY VAPOR BARRIER 5/8" TYPE 'X' GYPSUM DRYWALL PAINT FINISH
	W2 D-2.3.4.-A(40min) D-2.3.4.-E (20min) 1 HOUR F.R.R. PAINT FINISH 5/8" TYPE 'X' GYPSUM DRYWALL 1/2" PLYWOOD SHEATHING 2 X8 STUDS@16"oc R20 ROXUL BATT INSULATION 5/8" TYPE 'X' GYPSUM DRYWALL PAINT FINISH
	W2A D-2.3.4.-A(40min) D-2.3.4.-E (20min) 1 HOUR F.R.R. HARDBOARD SIDING TYVEK BUILDING PAPER, TAPE JOINTS 1/2" PLYWOOD SHEATHING 2 X8 STUDS R20 ROXUL BATT INSULATION 6 MIL CGSB POLY VAPOR BARRIER 5/8" TYPE 'X' GYPSUM DRYWALL PAINT FINISH
	W3 D-2.3.4.-A(40min) D-2.3.4.-E (20min) 1 HOUR F.R.R. PAINT FINISH 5/8" TYPE 'X' GYPSUM DRYWALL 1/2" PLYWOOD SHEATHING 2 X8 STUDS@16"oc R20 ROXUL BATT INSULATION 5/8" TYPE 'X' GYPSUM DRYWALL PAINT FINISH
	W4 D-2.3.4.-A(40min) D-2.3.4.-E (20min) 1 HOUR F.R.R. PAINT FINISH 5/8" GYPSUM DRYWALL 2 X6 STUDS SPACED @16"oc ROXUL INSULATION 5/8" GYPSUM DRYWALL PAINT FINISH
	W5 D-2.3.4.-A(40min) D-2.3.4.-E (20min) 1 HOUR F.R.R. PAINT FINISH 5/8" TYPE 'X' GYPSUM DRYWALL 2 X6 STUDS SPACED @16"oc ROXUL INSULATION 5/8" TYPE 'X' GYPSUM DRYWALL PAINT FINISH
	W6 D-2.3.4.-A(40min) D-2.3.4.-E (20min) 1 HOUR F.R.R. PAINT FINISH 5/8" GYPSUM DRYWALL 2 X4 STUDS SPACED @16"oc ROXUL INSULATION 5/8" GYPSUM DRYWALL PAINT FINISH

FLOOR CONSTRUCTION:	
	MAIN FLOOR FINISH FLOORING CONCRETE SLAB ON GRADE POWER TROWEL FINISH 6 MIL CGSB POLY MOISTURE BARRIER GRANULAR FILL AS PER STRUCTURAL
	EXTERIOR SLABS CONCRETE SLAB - HEAVY BROOM FINISH 6 MIL CGSB POLY MOISTURE BARRIER SEE STRUCTURAL DRAWINGS FOR DETAILS
GRADE BEAM CONSTRUCTION TYPES:	
	4" INSULATION ON EXTERIOR CONCRETE GRADE BEAM
ROOF CONSTRUCTION:	
	ROOF D-2.3.12 60 MIN F.R.R. 26 GAUGE SNAP LOCK METAL ROOFING 5/8" PLYWOOD T&G SHEATHING R-60 BLOW IN INSULATION ROOF TRUSSES @24"oc 6 MIL CGSB POLY V. BARRIER (2/58" TYPE 'X' GYPSUM DRYWALL, FIRE TAPED PAINTED IN NO 1 BAR CEILING (U.N.D.)
	PATIO ROOF D-2.3.12 60 MIN F.R.R. 26 GAUGE SNAP LOCK METAL ROOFING 5/8" PLYWOOD T&G SHEATHING R-60 BLOW IN INSULATION ROOF TRUSSES @24"oc 6 MIL CGSB POLY V. BARRIER (2/58" TYPE 'X' EXTERIOR GYPSUM DRYWALL, FIRE TAPED 1/4" STRAPPING @24"oc METAL SOFFIT

WINDOW SCHEDULE:															
WINDOW NO	WINDOW WIDTH AND HEIGHT	OPERATION	FRAME	SEALED UNIT	U VALUE	WEATHERSTRIPPING	LOWE	ARGON FILL	SCREENS	TRANSOM HEIGHT	OBSCURE GLASS	JAMB EXTENSIONS	JAMB EXTENSION MATERIAL	HARDWARE	REMARKS
102	60/60	PICTURE	VNVL	TRIPLE PANE		X	X	X				X	DRYWALL		
103	60/60	PICTURE	VNVL	TRIPLE PANE		X	X	X				X	DRYWALL		
104	60/60	PICTURE	VNVL	TRIPLE PANE		X	X	X				X	DRYWALL		
105	60/60	PICTURE	VNVL	TRIPLE PANE		X	X	X				X	DRYWALL		
106	60/60	PICTURE	VNVL	TRIPLE PANE		X	X	X				X	DRYWALL		
107	60/60	PICTURE	VNVL	TRIPLE PANE		X	X	X				X	DRYWALL		
108	60/60	PICTURE	VNVL	TRIPLE PANE		X	X	X				X	DRYWALL		
109	60/60	PICTURE	VNVL	TRIPLE PANE		X	X	X				X	DRYWALL		
110	60/60	PICTURE	VNVL	TRIPLE PANE		X	X	X				X	DRYWALL		
111	60/60	PICTURE	VNVL	TRIPLE PANE		X	X	X				X	DRYWALL		
112	60/60	PICTURE	VNVL	TRIPLE PANE		X	X	X				X	DRYWALL		
113	60/60	PICTURE	VNVL	TRIPLE PANE		X	X	X				X	DRYWALL		
114	60/60	PICTURE	VNVL	TRIPLE PANE		X	X	X				X	DRYWALL		

NOTES:
ALL WINDOWS SHALL BE INSULATED, ONCE INSTALLED, WITH A CLOSED CELL LOW EXPANDING SPRAY FOAM INSULATION FULLY FILLING THE CAVITY FROM THE EXTERIOR TO THE INTERIOR
ALL SECOND FLOOR WINDOWS SHALL BE DESIGNED BY THE WINDOW SUPPLIER TO RESIST A MINIMUM FACTORED LATERAL LOAD OF 0.5 kPa ACTING OUTWARD AND HAVE RESTRICTORS TO RESTRICT WINDOW OPENING TO 100mm

DOOR SCHEDULE: MAIN FLOOR															
DOOR NO	DOOR WIDTH AND HEIGHT	DOOR CONSTRUCTION	DOOR FRAME	DOOR TYPE	MAX U VALUE	WEATHERSTRIPPING	THRESHOLD	TRANSOM	SIDELITES	HARDWARE	HINGES	SILENCERS	CLOSER	OPERATOR TYPE	REMARKS
101	6'-0" x 7'-0"	METAL INSULATED	PRESSED STEEL INSUL		0.76	X	X			LOCKABLE PANIC HARDWARE	6		X		ACCESSIBLE OPENER CW PUSH BUTTONS INSIDE AND OUT ON ONE DOOR LEAF. SEE EXTERIOR ELEVATIONS FOR GLAZING. REMOVABLE CENTER MULLION
102	3'-0" x 7'-0"	METAL INSULATED	PRESSED STEEL INSUL		0.76	X	X			LOCKABLE PANIC HARDWARE	3		X		SEE EXTERIOR ELEVATIONS FOR GLAZING
105	3'-0" x 7'-0"	METAL INSULATED	PRESSED STEEL INSUL		0.76	X	X			LOCKABLE PANIC HARDWARE	3		X		SEE EXTERIOR ELEVATIONS FOR GLAZING
106	3'-0" x 7'-0"	METAL INSULATED	PRESSED STEEL INSUL		0.76	X	X			LOCKABLE PANIC HARDWARE	3		X		SEE EXTERIOR ELEVATIONS FOR GLAZING
107	4'-0" x 7'-0"	METAL INSULATED	PRESSED STEEL INSUL		0.76	X	X			LOCKABLE PANIC HARDWARE	4		X		SEE EXTERIOR ELEVATIONS FOR GLAZING
108	3'-0" x 7'-0"	SOLID CORE WOOD	PRESSED STEEL							LOCKSET	3		X		SIGNAGE
109	3'-0" x 7'-0"	SOLID CORE WOOD	PRESSED STEEL							LOCKSET	3		X		SIGNAGE
110	6'-0" x 7'-0"	SOLID CORE WOOD	PRESSED STEEL							LOCKSET, ONE LEAF W/PINS TO HEAD & FLOOR	6		X		SIGNAGE
111	3'-0" x 7'-0"	SOLID CORE WOOD	PRESSED STEEL							LOCKSET	3		X		SIGNAGE
112	4'-0" x 7'-0"	SOLID CORE WOOD	DRYWALLED							BARN DOOR HEAVY DUTY HARDWARE					SIGNAGE, SOFT CLOSE AND HOLD OPEN SYSTEM
113	4'-0" x 7'-0"	SOLID CORE WOOD	DRYWALLED							BARN DOOR HEAVY DUTY HARDWARE					SIGNAGE, SOFT CLOSE AND HOLD OPEN SYSTEM
114	3'-0" x 7'-0"	HOLLOW CORE METAL	PRESSED STEEL							LOCKSET	3		X		SIGNAGE, 3/4 HR ULC RATING FRAME, DOOR AND HARDWARE
115	3'-0" x 7'-0"	SOLID CORE WOOD	PRESSED STEEL							PRIVACY SET	3		X		SIGNAGE
116	3'-0" x 7'-0"	SOLID CORE WOOD	PRESSED STEEL							PUSH PULL HARDWARE	3		X		SIGNAGE
117	3'-0" x 7'-0"	SOLID CORE WOOD	PRESSED STEEL							PUSH PULL HARDWARE	3		X		SIGNAGE
118	3'-0" x 7'-0"	HOLLOW CORE METAL	PRESSED STEEL							LOCKSET	3		X		SIGNAGE, 3/4 HR ULC RATING FRAME, DOOR AND HARDWARE
119	2'-6" x 7'-0"	SOLID CORE WOOD	PRESSED STEEL							PRIVACY SET	3		X		SIGNAGE
120	2'-6" x 7'-0"	SOLID CORE WOOD	PRESSED STEEL							PRIVACY SET	3		X		SIGNAGE
121	2'-6" x 7'-0"	SOLID CORE WOOD	PRESSED STEEL							PRIVACY SET	3		X		SIGNAGE
122	2'-6" x 7'-0"	SOLID CORE WOOD	PRESSED STEEL							PRIVACY SET	3		X		SIGNAGE
123	2'-6" x 7'-0"	SOLID CORE WOOD	PRESSED STEEL							PRIVACY SET	3		X		SIGNAGE
124	2'-6" x 7'-0"	SOLID CORE WOOD	PRESSED STEEL							PRIVACY SET	3		X		SIGNAGE
125	3'-0" x 7'-0"	HOLLOW CORE METAL	PRESSED STEEL							LOCKSET	3		X		SIGNAGE, 3/4 HR ULC RATING FRAME, DOOR AND HARDWARE
127	4'-0" x 7'-0"	HOLLOW CORE METAL	PRESSED STEEL							PASSAGE SET	4				SIGNAGE
128	6'-0" x 7'-0"	HOLLOW CORE METAL	PRESSED STEEL							PUSH PULL HARDWARE	6		X		SIGNAGE
129	3'-0" x 7'-0"	HOLLOW CORE METAL	PRESSED STEEL							PASSAGE SET	3		X		SIGNAGE
130	3'-0" x 7'-0"	SOLID CORE WOOD	PRESSED STEEL							LOCKSET	3		X		SIGNAGE
131	3'-0" x 7'-0"	HOLLOW CORE METAL	PRESSED STEEL							PASSAGE SET	3		X		SIGNAGE
133	2'-6" x 7'-0"	SOLID CORE WOOD	PRESSED STEEL							PRIVACY SET	3		X		SIGNAGE

NOTES:
PROVIDE DOOR STOPS FOR ALL DOORS WHERE REQUIRED
ALL HARDWARE SHALL MEET WITH ACCESSIBILITY STANDARDS AND SHALL BE OF COMMERCIAL GRADE
ALL ACCESSORIES SHALL BE SUPPLIED AND INSTALLED AS REQUIRED FOR COMPLETE INSTALLATION
ALL GLASS TO BE MINIMUM 6 MIL THICK TEMPERED

REV	DESCRIPTION	DATE
1	ISSUED FOR TENDER	21 FEB 2025

SEALS:

GENERAL NOTES
- PRIOR TO PROCEEDING WITH CONSTRUCTION THE OWNER / CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND VERIFY ALL INFORMATION, DIMENSIONS AND SPECIFICATIONS OF THIS PLAN AND OBTAIN BUILDING PERMITS FROM THE AUTHORITY HAVING JURISDICTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE DRAFTER BEFORE CONSTRUCTION COMMENCES.
- BUILDING GRADE ELEVATIONS ARE SUGGESTED ONLY AND MAY HAVE TO BE REVISED TO SUIT EXACT SITE CONDITIONS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA, CURRENT EDITION AND THE AUTHORITY HAVING JURISDICTION.
- WINDOWS SIZES & LOCATIONS SHALL BE CONFIRMED BY THE OWNER. UTILITY COMPANIES SHALL BE CONTACTED TO LOCATE ALL UNDER GROUND SERVICES PRIOR TO ANY EXCAVATING COMMENCING.

ABBREVIATIONS

TD = TOP OF	2" P = 2" BRIDGE PINE FOR
UDS = UNDERSIDE	DWV = DRAIN WOOD JOIST
MSF = MEDIUM DENSITY FIBREBOARD	T&G = TONGUE AND GROOVE
OSB = ORIENTED STRAND BOARD	PRF/FN = PRE FINISHED
PT = PRESURE TREATED	REIN = REINFORCED
HD = HOOK DOWN	GB = GRADE BEAM
HCW = HOLLOW CORE WOOD	CONC = CONCRETE
SCW = SOLID CORE WOOD	CONT = CONTINUOUS
HCMM = HOLLOW CORE METAL	WD = WOOD
ICF = INSULATED CONCRETE FORM	BLU = BUILT UP
PI = PRESSED STEEL	N.B.C. = NATIONAL BUILDING CODE
MI = METAL INSULATED	HSB = HOLLOW STRUCTURAL STEEL
DFR = DOUBLE FIVE	CANT = CANTILEVER

1. CONTRACT DOCUMENTS LIST

The following documents shall form part of the contract documents and shall be considered part of the Owner's requirements unless otherwise specified:

- Building drawings issued by **Gilchuk Design and Drafting Ltd**
- Structural drawings issued by **CFI Engineering and Consulting Ltd**
- Mechanical drawings issued by **PS Engineering Inc.**
- Electrical drawings issued by **Rittenburg and Associates Ltd**

2. SCOPE OF WORK

The Contractor represents and warrants to the Owner that they are experienced in the type of construction outlined in the contract documents and represent that their quotation submitted is a price for Construction Management to construct all-encompassing and functional buildings and the development as designed. The Contractor has included in their quotation for cost of material, labor, equipment and supervision necessary to supply and install the complete site development work and two storey addition following the criteria set out in the Contract Documents and this Performance Specification. The Contract includes for the building and all related site work, including utility company charges, insurance, all permits, so as to provide the Owner with an all-encompassing quotation for the construction of said facilities.

The Contractor shall provide the Owner with a construction schedule within seven (7) days after award of contract.

The Contractor shall be responsible to adhere to all municipal and provincial guidelines with respect to construction on municipal lands and municipal rights-of-way. This will include the tie-in of services as required and curb crossings. The Contractor shall use semi-permanent fence during construction where possible.

Include for all costs for the provision of utilities and related utility company charges to include power, gas, water, sewer, telephone, cable T.V., etc. (Except as otherwise noted.)

The General Contractor is to review all tender drawings and are to provide any additional co-ordination required between the various tender documents. No extras will be granted to the Contractor for failure to co-ordinate the various scopes of work and drawings.

The attached Performance Specification is intended to assist all parties in helping define the Scope of Work. If a specific material or area of work is not included in the Performance Specification it shall not relieve the Contractor from providing a complete and functional Building and Development.

The Contractor will be required to provide the Owner with three sets of maintenance manuals and as-built drawings upon project completion. It will be the Contractor's responsibility to ensure that each manual contains all architectural, structural, mechanical, civil, landscaping, and electrical items. Manuals shall be clearly labeled, organized, and include an electronic version of each item.

3. PROJECT DESIGN

It will be the responsibility of the Contractor to co-ordinate all areas of work, including mechanical and electrical work and the requirements to meet the appropriate codes and no extras will be granted for the failure to do so, for any portion of the work.

4. INSURANCE

For insurance coverage, the Contractor shall include for the project all risk insurance to full replacement value and liability insurance to a minimum of \$1,000,000.00 limited payable per occurrence. The owner and its mortgage lender shall be named as additional insured. All insurance documents must be received by the Owner prior to the Contractor commencing work on site and, in any event, no later than the time of execution of the Contract.

5. COMMENCEMENT OF WORK

Contractor agrees that work will commence as soon as reasonably possible.

6. ASSIGNMENT/ACKNOWLEDGEMENT

The Contractor acknowledges the Contract may be assigned by the Owner to its mortgage lender to entice the lender to finance the project. The Contractor will execute such documents as are necessary to permit the assignment of the contract and co-operate with the Owner in this regard.

7. MATERIAL TESTING

Material testing shall be in accordance with all applicable building codes, and in accordance with all requirements set out by the structural engineering consultant. Costs for material testing shall be covered by the Contractor. The Contractor will use an outside independent contractor for material testing.

8. SITE WORK

Site Work shall include but not be limited to:

- Include all asphalt paving, concrete sidewalks, concrete curbs, ramps, bollards, garbage enclosures, line painting, landscaping, retaining walls, concrete swales, gas meter walls, fencing, signage, etc.
- Electrical work comprising distribution complete with all associated cables and ducts, transformers, transformer pads and concrete work, parking lot lighting, car plugs, and decorative lighting, etc.
- Complete all mechanical work including water lines, fire hydrants, storm lines, sanitary lines, gas lines, storm water management to include catch basins, manholes, and all other mechanical work required to provide a functional site.

9. CONCRETE

Sidewalks shall be air entrained concrete of 32 MPA and reinforced with 10m bars at 400mm O.C. each way @ mid-depth.

10. WOOD FRAMING

Complete all wood framing in accordance with the appropriate Building Codes. Ensure all temporary bracing is in place during construction. Confirm with engineering consultant the type of nails, glue, staples and/or fasteners used for this project.

Required blocking includes, but is not limited to, squash blocking, towel bar, bearing walls, wall blocking etc.. Contractor to ensure blocking is installed for grab bars, toilet paper dispensers, paper towels dispensers, and shelf throughout washrooms. Framing will include all miscellaneous blocking required for other trades, and include back framing and coordinate framing to all mechanical enclosures and fire rated shafts, provisions for shafting / stacking / toilets and attic smoke / fire barriers, walkways, etc.

21. FINISH SCHEDULE / PAINTING

The color scheme for the building to be confirmed with the General Contractor and Owner. All interior paints to be egg-shell latex except where otherwise specified and shall be of good quality paint product, applied as per the manufacturers specifications, without any diluting of paint or primer. Paints will be of similar qualities to Benjamin Moore Coronado or ICI Glidden or equivalent, as per the attached finish schedule.

- All interior walls to be painted with high quality interior latex eggshell finish paint- primer plus two finish coats
- Walls and ceilings in the Mechanical room to be painted - primer plus two finish coats of latex eggshell paint
- Contractor will paint all bathroom ceiling & walls with one coat of tinted primer and two finish coats of washable latex paint. Use Kitchen and Bath eggshell sheen paint or equivalent subject to owner's approval.
- The design has been based on the Benjamin Moore Ultra-Specs Paint. Approved alternatives are:
 - o Cloverdale Super 2
 - o Sherwin Williams Pro-Max 200 +

Washroom walls shall have Olympia Arctic Bright White, 4"x16", QT-CD-ARW.0416.BR. Install 60" high on all bathroom walls c/w Schiuter trim.

All interior cabinetry will be pre-finished and will not require painting. Contractor to paint all interior doors, door frames, with good quality semi-gloss latex paint. The Contractor will be responsible for touch-ups and trade damage repair to walls after installation of flooring.

Contractor will also be responsible for all exterior site painting, including but not limited to: gas meters, bollards- color to be determined. Contractor to include fire retardant paint to wooden panels located behind electrical equipment in electrical room or use fire rated plywood. A minimum of 2 coats of finish paint to be applied to all exterior work including metal doors and frames. A minimum of 2 coats of finish paint to be applied to all interior metal doors and frames.

22. SECURITY VIDEO SYSTEM

Electrical contractor shall coordinate all electrical requirements with the security company for the security system.

23. INTERIOR/EXTERIOR PLAQUARDS AND LABELS

Separate plaques for the Unisex Washrooms, Mechanical Room, Utility Room, Suites and Stairwells also to be supplied and installed by Contractor.

Contractor will supply and install signage for all Handicap Accessible stalls in front of each parking stall, as per bylaw requirements, and as indicated on the drawings. Signage to be mounted on metal stake installed on the sidewalk facing each stall.

11. CABINETS

All cabinets will be constructed generally as outlined herein.

- The cabinet doors will be Flat Panel Melamine Door Style. Please refer to the attached finish schedule for material and color specification.
- The Blum "Metaboo" Drawer System will be used and will have epoxy coated steel drawer slides, high impact nylon rollers, lock-open stop self-closing feature and 5/8" melamine bottoms.
- European style cabinet boxes constructed of 5/8" melamine. Each cabinet is glued, doweled, nailed, and pressure assembled for strength and durability. Cabinet boxes have 5/8" white melamine backs for a clean look. 5/8", adjustable, full depth shelves. Cabinets to have 3/4" melamine fronts. Please refer to the attached finish schedule for material and color specification.
- The exposed exteriors of cabinet boxes are to be finished in a matching material to all other cabinet doors and cabinet fronts.
- All counter tops shall be plastic laminate. Please refer to the attached finish schedule for material and color specification.
- Sinks are to be drop in stainless steel.
- Toe kicks are to be matching melamine finish and scribed to fit.
- Brushed aluminum knobs are to be installed on cabinetry. Please refer to the attached finish schedule for material and color specification.
- Heavy duty, all metal, European Style, self-closing, full adjustable, 110°, concealed hinges.

Cabinetry layouts for each unit are as per drawings.

12. ROOFING

Contractor to provide complete Class 4 asphalt shingle roofing system in accordance with the architectural drawings. The roofing system will consist of:

- Architectural shingles, colour and pattern by owner
- Peel and stick roofing membrane
- Omni roof venting
- All related roofing, flashings, fasteners, etc. to provide complete system

13. EXTERIOR SIDING, DECK SEAL & RAILINGS

Siding Contractor: Siding contractor to supply and install a complete composite siding system, complete with trims, flashings, molds, corner trims, caulking and all related accessories as required. Please refer to the construction types.

Siding contractor to supply and install air/moisture barrier so as to provide a good continuous seal to all building. Peel and stick membrane to be used at top and sides of all doors, windows and around all penetrations. Window sills will have peel and stick membrane installed prior to window. All installation of the system shall be as per the approved manufacture's specifications. Contractor to ensure proper seal maintained around penetrations through the system.

Siding Contractor to supply and install all pre-finished metal flashings to complete building as required. Please refer to the attached finish schedule for material and colour specification.

Metal clad all exterior posts and beams
LP Siding solid colour vertical siding on east gables

14. FIRE SEPARATIONS/FIRE CAULKING

Contractors are to ensure all fire ratings are maintained throughout the building and will provide metal closure, 5/8" fire guard drywall, rock wool and fire resistant caulking, etc. to achieve same.

Ensure all mechanical/electrical penetrations through fire walls are properly fire sealed and where fire caulking is used, follow the Hilti fire caulking system recommendations or equivalent ULC systems. Ensure mechanical/electrical materials within fire walls have the appropriate fire resistant ratings.

15. WASHROOM PLUMBING HARDWARE

Lavatory sink, showers, tubs, toilets and taps are to be as specified on Mechanical Drawings

16. METAL DOORS & RELATED HARDWARE

All Metal Door and Frames and Suite Entry Frames, to be constructed of 18 gauge metal (Fire Rated as Required).

All metal entrance doors to have full height metal security plates installed.

All exterior metal doors to be insulated complete with weather stripping, industrial grade door closure with chain, threshold and tamperproof latch plates and dead bolts.

Exterior Doors- adj. fr./ Industrial grade door closer/ BB hinge/ Panic & Pull set/ Check Chain/ Neoprene Weather Stripping/ Threshold/ Dr Sweep/ Hold open device:

- Hinge - LH603bb 4 ½ x 4 C26D
- Exit Device - YALE 2100 36" 689 RIM TYPE
- Surface Closer - 4040XP RW/PA x AL+ check chain (**Chains must be installed on all door closures**)
- Threshold - 172A x 48 (6" WIDE) Aluminum
- Weather Stripping - 312CR
- Door sweep -315CN x 48" Aluminum
- Hold Open - LCN Spring Stop Holdopen Arm
- Exterior doors to have full height metal security plates installed

Service Room - 45 min rated, adj. fr./ closer/ BB hinge/ Rated Entrance Lock/ Dome Floor Stop:

- Hinge - LH603bb 4 ½ x 3 C26D
- Lock Set - LH 5304 OB C32D Lockset
- Deadbolt - LH560 C32D Deadbolt
- Closure AL- 50168C UM (REG Mount)
- Floor Stop - 218 x C26D, low floor stop

HARDWARE KNOWINGLY AVAILABLE AT CP DISTRIBUTORS

17. WINDOWS

Contractor will include installation of "peel and stick" to all window sills prior to installation of exterior windows by others. Contractor to ensure window sill membranes are installed in accordance with material manufacturers standards. Contractor to supply and install Vinyl windows, insulated exterior doors as indicated on the plans. Supplier to ensure lockout is completed and all doors and windows are functioning properly during installation. Windows are comply with the National Building Code.

18. KEYS

Project keys to be received:

- 4 Utility Room Keys for Utility Room
- 10 Building Entrance Keys
- 3 Suite Keys for Suites

All keys for the project are to be labeled/tagged upon delivery to THE OWNER

19. DRYWALL/TEXTURE/INSULATION

The Contractor is to provide all insulation as specified on drawings, closed cell spray foam insulation and related sealants to provide a good vapor barrier seal to the entire building envelope.

Contractor to drywall, tape, and sand all walls, to Level #4 finish, and ensure they are ready for paint. Contractor is responsible for ensuring proper rating of all walls and fire rated enclosures, and enclosures.

Drywall contractor to install 5/8" type X drywall (insulate if required) to all walls noted on the building drawings. Provide ROXUL safe and sound batt insulation to wall cavities of all vertical plumbing drain lines (both sides of pipes). Provide foam seal to all exterior windows, and metal doors with low expansion closed cell foam for a minimum of ½ the wall depth. Ensure windows are set to allow foam around the entire window frame.

20. FLOORING

Contractor to supply and install all flooring, c/w floor prep as required. Product shall be Creative Options 5mm LVP from Buckwoods, full spread installation method. Recommended adhesives are Armstrong S-288 or Armstrong S-310. Transition strips and termination strips to be provided. Base board to be 4" black rubber trim. Contact Elite Flooring @ eliteflooringregina@gmail.com

REV	DESCRIPTION	DATE
1	ISSUED FOR TENDER	21 FEB 2025

SEALS:



GENERAL NOTES

- PRIOR TO PROCESSING WITH CONSTRUCTION THE OWNER / CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND VERIFY ALL INFORMATION, DIMENSIONS AND SPECIFICATIONS OF THIS PLAN AND OBTAIN A BUILDING PERMIT FROM THE AUTHORITY HAVING JURISDICTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE DRAFTSMAN BEFORE CONSTRUCTION COMMENCES.
- BUILDING GRADE ELEVATIONS ARE SUGGESTED ONLY AND MAY HAVE TO BE REVISED TO SUIT EXACT SITE CONDITIONS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA, CURRENT EDITION AND THE AUTHORITY HAVING JURISDICTION.
- WINDOWS SIZES & LOCATIONS SHALL BE CONFIRMED BY THE OWNER.
- UTILITY COMPANIES SHALL BE CONTACTED TO LOCATE ALL UNDER GROUND SERVICES PRIOR TO ANY EXCAVATING COMMENCING.

ABBREVIATIONS

TO = TOP OF	UP = UNDERSIDE	REF = REVERSE SIDE	FR = FINISHED	FRS = FINISHED	FRS = FINISHED
OSB = ORIENTED STRAND BOARD	PT = PRESURE TREATED	HD = HOOK DOWN	HCW = HOLLOW CORE WOOD	SCW = SOLID CORE WOOD	HCM = HOLLOW CORE METAL
ICF = INSULATED CONCRETE FORM	PI = PRESSED STEEL	MI = METAL INSULATED	DFR = DOUBLE FIRE	S.P.F. = SPRUCE PINE FIR	OPN = OPEN WEB WOOD JOIST
					T&G = TONGUE AND GROOVE
					PRE-FIN = PRE FINISHED
					REIN = REINFORCED
					CB = GRADE BEAM
					CONC = CONCRETE
					CONT = CONTINUOUS
					WD = WOOD
					BLU = BUILT UP
					N.B.C. = NATIONAL BUILDING CODE
					HSB = HOLLOW STRUCTURAL STEEL
					CANT = CANTILEVER

GOOD SPIRIT BIBLE CAMP
DINING HALL BUILDING

GOOD SPIRIT LAKE, SASKATCHEWAN

TITLE: GENERAL SPECIFICATIONS

DRAWN BY: JASON GILCHUK

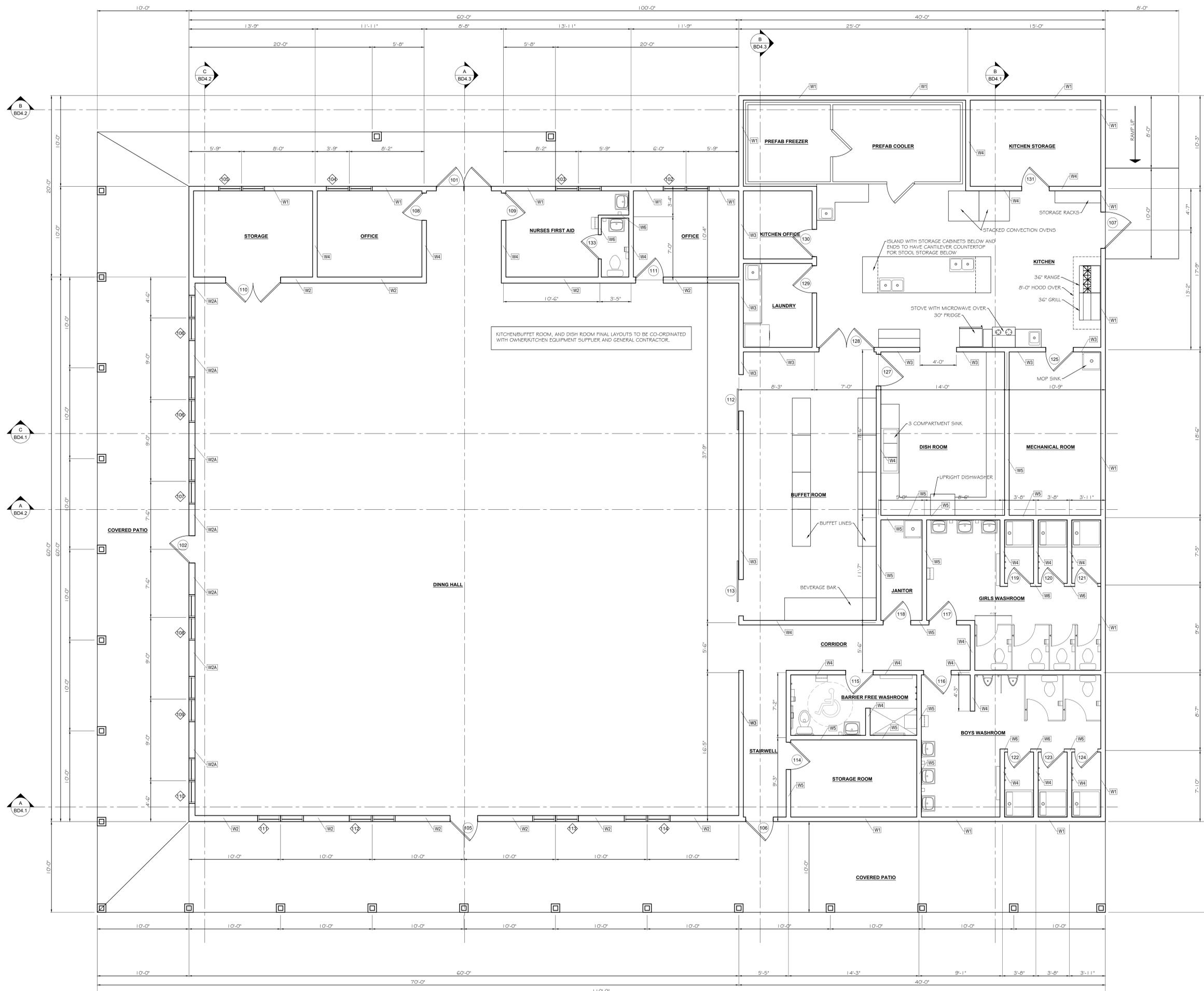
DATE: NOVEMBER 2023

FILE NO: 9475

SCALE: AS NOTED

SHEET NO: BD1.11

REVISION: 



KITCHEN/BUFFET ROOM, AND DISH ROOM FINAL LAYOUTS TO BE CO-ORDINATED WITH OWNER/KITCHEN EQUIPMENT SUPPLIER AND GENERAL CONTRACTOR.

REV	DESCRIPTION	DATE
1	ISSUED FOR TENDER	21 FEB 2025

SEALS:

GENERAL NOTES

- PRIOR TO PROCEEDING WITH CONSTRUCTION THE OWNER / CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND VERIFY ALL INFORMATION, DIMENSIONS AND SPECIFICATIONS OF THIS PLAN AND OF ALL BUILDING PERMITS FROM THE AUTHORITY HAVING JURISDICTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE DRAFTER BEFORE CONSTRUCTION COMMENCES.
- BUILDING GRADE ELEVATIONS ARE SUGGESTED ONLY AND MAY HAVE TO BE REVISED TO SUIT EXACT SITE CONDITIONS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA, CURRENT EDITION AND THE AUTHORITY HAVING JURISDICTION.
- WINDOWS SIZES & LOCATIONS SHALL BE CONFIRMED BY THE OWNER. UTILITY COMPANIES SHALL BE CONTACTED TO LOCATE ALL UNDER GROUND SERVICES PRIOR TO ANY EXCAVATING COMMENCING.

ABBREVIATIONS

TO = TOP OF	ST = STEEL	ST = STEEL
US = UNDERSIDE	STB = STEEL TUB	STB = STEEL TUB
MSF = MEDIUM DENSITY FIBREBOARD	OSB = ORIENTED STRAND BOARD	PT = PRESURE TREATED
HD = HOLLOW CORE WOOD	HD = HOLLOW CORE WOOD	SCW = SOLID CORE WOOD
SCM = SOLID CORE METAL	ICF = INSULATED CONCRETE FORM	PI = PRESURE INSULATED
IP = INSULATED PERFORATED	IP = INSULATED PERFORATED	IP = INSULATED PERFORATED
IP = INSULATED PERFORATED	IP = INSULATED PERFORATED	IP = INSULATED PERFORATED

**GOOD SPIRIT BIBLE CAMP
DINING HALL BUILDING**

GOOD SPIRIT LAKE, SASKATCHEWAN

TITLE: MAIN FLOOR PLAN

DRAWN BY: JASON GILCHUK

DATE: NOVEMBER 2023

FILE NO: 9475

SCALE: AS NOTED

SHEET NO: **BD2.1**

A
BD2.1
MAIN FLOOR PLAN
1/4" = 1'-0"



REV	DESCRIPTION	DATE
1	ISSUED FOR TENDER	21 FEB 2025

SEALS:

PROFESSIONAL ENGINEER
SASKATCHEWAN

Association of Professional Engineers & Geoscientists of Saskatchewan
CERTIFICATE OF AUTHORIZATION
CFI ENGINEERING AND CONSULTING LTD.
NUMBER 8584
Profession in Canada Held by:
Engineering, 2021
Structural, 2021

GENERAL NOTES

- PRIOR TO PROCEEDING WITH CONSTRUCTION THE OWNER / CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND VERIFY ALL INFORMATION, DIMENSIONS AND SPECIFICATIONS OF THIS PLANING SET. A BUILDING PERMIT FROM THE AUTHORITY HAVING JURISDICTION FOR ANY DISCREPANCIES SHALL BE REPORTED TO THE DRAFTER BEFORE CONSTRUCTION COMMENCES.
- BUILDING GRADE ELEVATIONS ARE SUGGESTED ONLY AND MAY HAVE TO BE REVISED TO SUIT EXACT SITE CONDITIONS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA, CURRENT EDITION AND THE AUTHORITY HAVING JURISDICTION.
- WINDOWS SIZES & LOCATIONS SHALL BE CONFIRMED BY THE OWNER. UTILITY COMPANIES SHALL BE CONTACTED TO LOCATE ALL UNDER GROUND SERVICES PRIOR TO ANY EXCAVATING COMMENCING.

ABBREVIATIONS

TD = TOP OF	SP = BRIDGE PINE FR
US = UNDERSIDE	DWU = OPEN WEB WOOD JOIST
NSF = NON-SKID FINISH	T&G = TONGUE AND GROOVE
OSB = ORIENTED STRAND BOARD	PF-FIN = PRE-FINISHED
PT = PRESURE TREATED	REIN = REINFORCED
HD = HOOK DOWN	CB = GRADE BEAM
HCW = HOLLOW CORE WOOD	CON = CONCRETE
SCW = SOLID CORE WOOD	CONT = CONTINUOUS
HCM = HOLLOW CORE METAL	WD = WOOD
ICF = INSULATED CONCRETE FORM	BLU = BUILT UP
PI = PRESURE STEEL	M&C = MINOR BUILDING CODE
MI = METAL INSULATED	HSB = HOLLOW STRUCTURAL STEEL
DFR = DOUBLE FIVE	CANT = CANTILEVER

**GOOD SPIRIT BIBLE CAMP
DINING HALL BUILDING**

GOOD SPIRIT LAKE, SASKATCHEWAN

TITLE: **ROOF PLAN**

DRAWN BY: **JASON GILCHUK**

DATE: **NOVEMBER 2023**

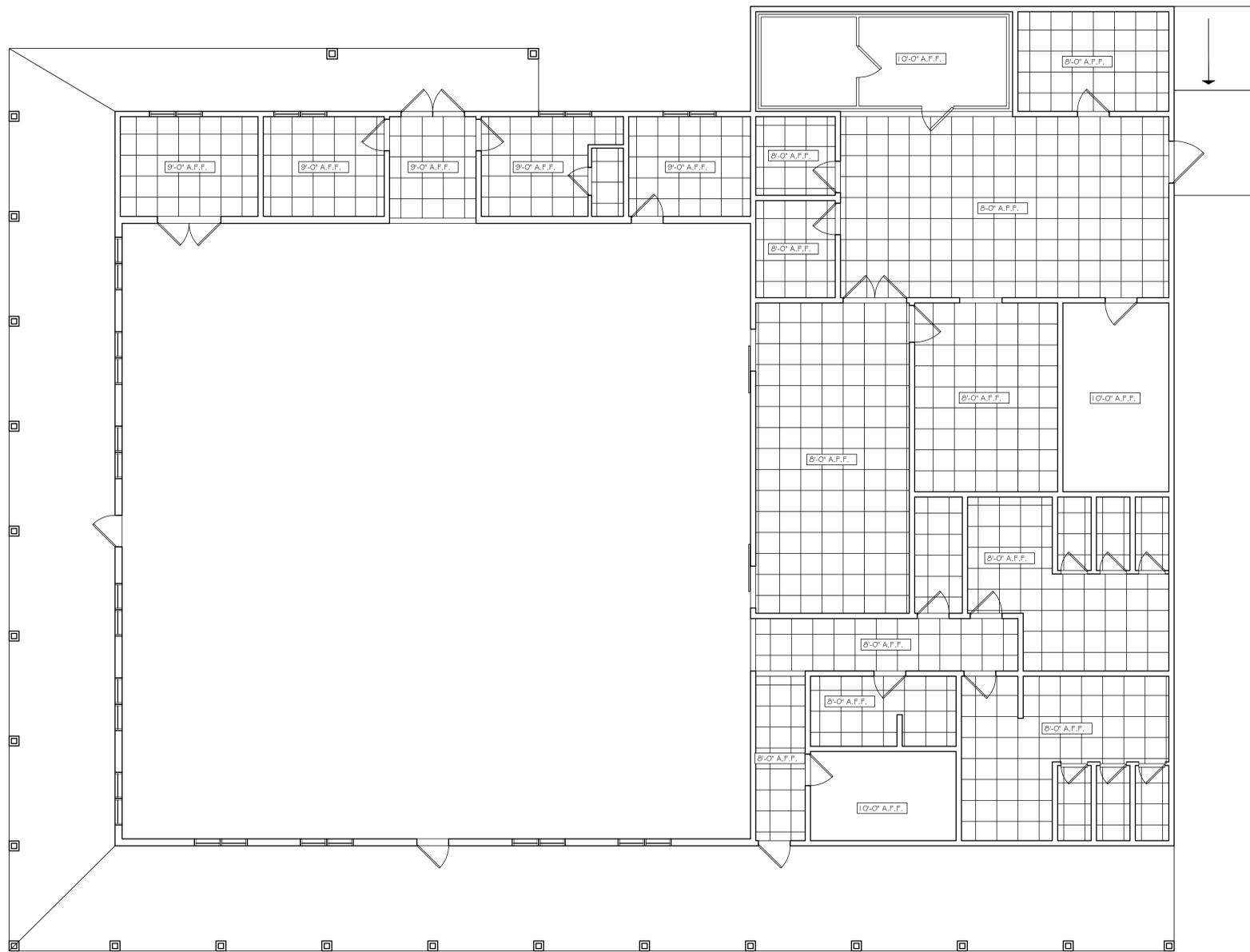
FILE NO: **9475**

SCALE: **AS NOTED**

SHEET NO.: **BD2.2** REVISION:



A
BD2.2 **ROOF PLAN**
1/4" = 1'-0"



A
BD2.3 RCP - MAIN FLOOR PLAN
3/16" = 1'-0"

T-BAR CEILING GRID WITH ARMSTRONG CERAMAGUARD FINE FIGURED 24"x24" LAY IN TILE W/
WHITE PRELUDE XL 1/2" EXPOSED TEE AND ALL ACCESSORIES AS REQUIRED. INSTALLED THROUGH
OUT WHERE INDICATED

REV	DESCRIPTION	DATE
1	ISSUED FOR TENDER	21 FEB 2025

SEALS:



GENERAL NOTES

- PRIOR TO PROCEEDING WITH CONSTRUCTION THE OWNER / CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND VERIFY ALL INFORMATION, DIMENSIONS AND SPECIFICATIONS OF THIS PLAN AND DETAIL. BUILDING PERMIT FROM THE AUTHORITY HAVING JURISDICTION FOR ANY DISCREPANCIES SHALL BE REPORTED TO THE DRAFTSMAN BEFORE CONSTRUCTION COMMENCES.
- BUILDING GRADE ELEVATIONS ARE SUGGESTED ONLY AND MAY HAVE TO BE REVISED TO SUIT EXACT SITE CONDITIONS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA, CURRENT EDITION AND THE AUTHORITY HAVING JURISDICTION.
- UTILITY COMPANIES SHALL BE CONTACTED TO LOCATE ALL UNDER GROUND SERVICES PRIOR TO ANY EXCAVATING COMMENCING.

ABBREVIATIONS

TO = TOP OF	SP = SPRUCE PINE FIR
US = UNDERSIDE	DWW = OPEN WEB WOOD JOIST
MSF = MEDIUM DENSITY FIBREBOARD	T&G = TONGUE AND GROOVE
OSB = ORIENTED STRAND BOARD	PRE-FIN = PRE-FINISHED
PT = PRESURIZED TREATED	REIN = REINFORCED
ND = KNOCK DOWN	CB = GRADE BEAM
HCW = HOLLOW CORE WOOD	CON = CONCRETE
SCW = SOLID CORE WOOD	CONT = CONTINUOUS
HCM = HOLLOW CORE METAL	WD = WOOD
ICF = INSULATED CONCRETE FORM	B.U. = BUILT UP
PS = PRESSURIZED STEEL	N.B.C. = NATIONAL BUILDING CODE
DI = INSULATED DOUBLE GLASS FIBRE	M.I. = METAL INSULATED
DIPI = DOUBLE GLASS FIBRE	HSB = HOLLOW STRUCTURAL STEEL
	CANT = CANTILEVER

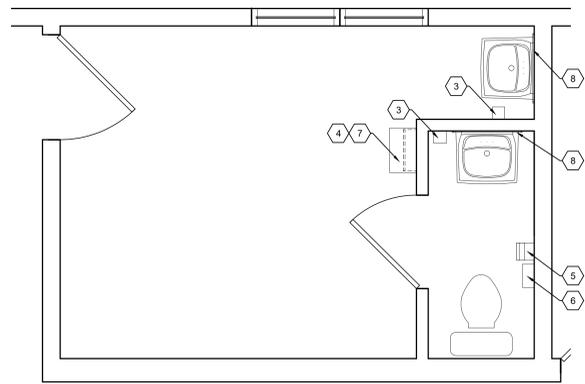
GOOD SPIRIT BIBLE CAMP
DINING HALL BUILDING

GOOD SPIRIT LAKE, SASKATCHEWAN

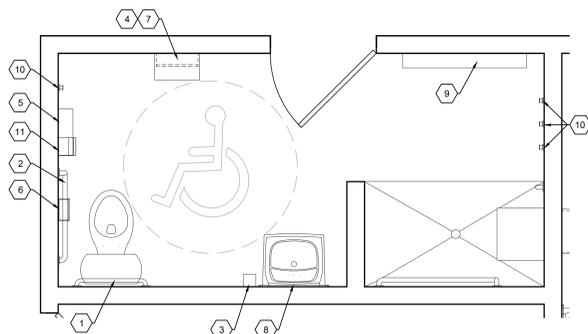
TITLE: REFLECTED CEILING PLANS

DRAWN BY: JASON GILCHUK
DATE: NOVEMBER 2023
FILE NO: 9475
SCALE: AS NOTED

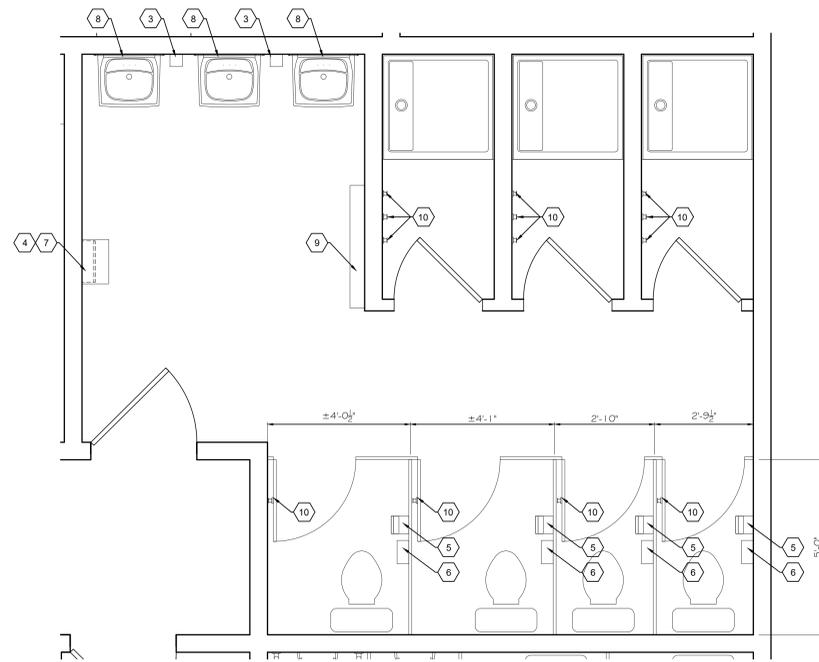
SHEET NO: **BD2.3** REVISION:



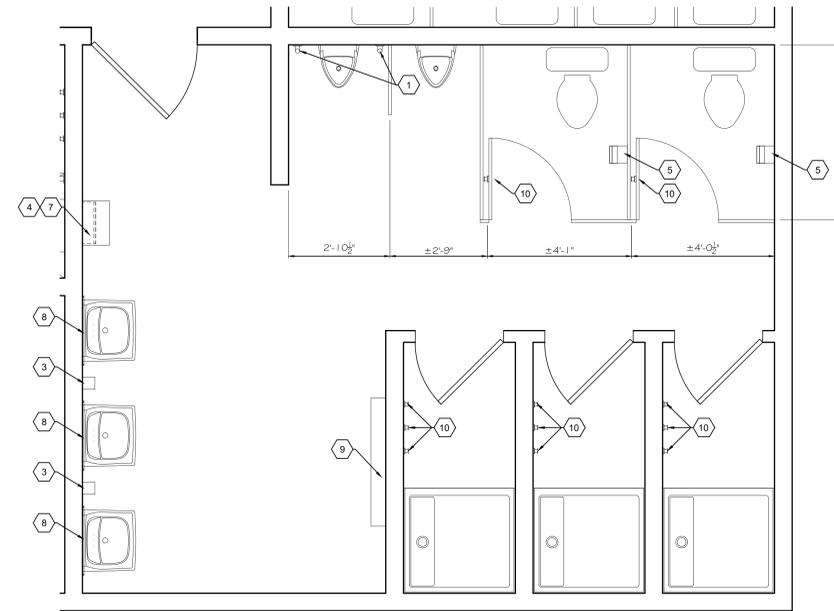
A NURSES ROOM
BD2.4 1/2" = 1'-0"



B UNIVERSAL B.F. WASHROOM
BD2.4 1/2" = 1'-0"



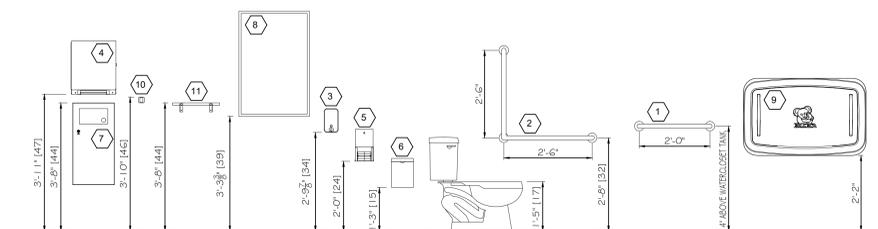
C GIRLS WASHROOM - MAIN FLOOR
BD2.4 1/2" = 1'-0"



D BOYS WASHROOM - MAIN FLOOR
BD2.4 1/2" = 1'-0"

WASHROOM ACCESSORY SCHEDULE:

1	STRAIGHT GRAB BAR	BOBRICK B-6896 59 x 24" 1 1/2" STAINLESS STEEL GRAB BAR SATIN FINISH. SLIP-RESISTANT SURFACE CW ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.
2	L SHAPED GRAB BAR	BOBRICK B-6898 59 x 30"x30" 1 1/2" STAINLESS STEEL 90° GRAB BAR SATIN FINISH. SLIP-RESISTANT SURFACE CW ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.
3	AUTOMATIC SOAP DISPENSER	BOBRICK B-2012 AUTOMATIC WALL MOUNTED SOAP DISPENSER CW ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.
4	TOWEL DISPENSER	BOBRICK B-2514 AUTOMATIC ROLL PAPER TOWEL DISPENSER AND BOBRICK 3974-57 POWER SUPPLY CW ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.
5	TOILET PAPER DISPENSER	BOBRICK B-4288 SURFACE MOUNTED MULTI ROLL TOILET TISSUE DISPENSER CW ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.
6	NAPKIN DISPOSAL	BOBRICK B-270 SURFACE MOUNTED SANITARY NAPKIN DISPOSAL CW ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.
7	SURFACE WASTE RECEPTACLE	BOBRICK B-3609 STAINLESS STEEL WASTE RECEPTACLE AND ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.
8	WALL MIRROR	BOBRICK B-290 2436 GLASS MIRROR WITH STAINLESS STEEL ANGLE FRAME, SATIN FINISH CW ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.
9	BABY CHANGE STATION	KOALA KARE KB310-SSWM BABY CHANGE STATION SATIN STAINLESS STEEL FINISH CW ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.
10	COAT HOOK	BOBRICK B-7677 SURFACE MOUNTED ROBE HOOK, SATIN FINISH CW ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.
11	STAINLESS STEEL SHELF	BOBRICK B-29516 STAINLESS STEEL SHELF WITH SATIN FINISH CW ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION.



1	ISSUED FOR TENDER	21 FEB 2025
REV	DESCRIPTION	DATE

SEALS:

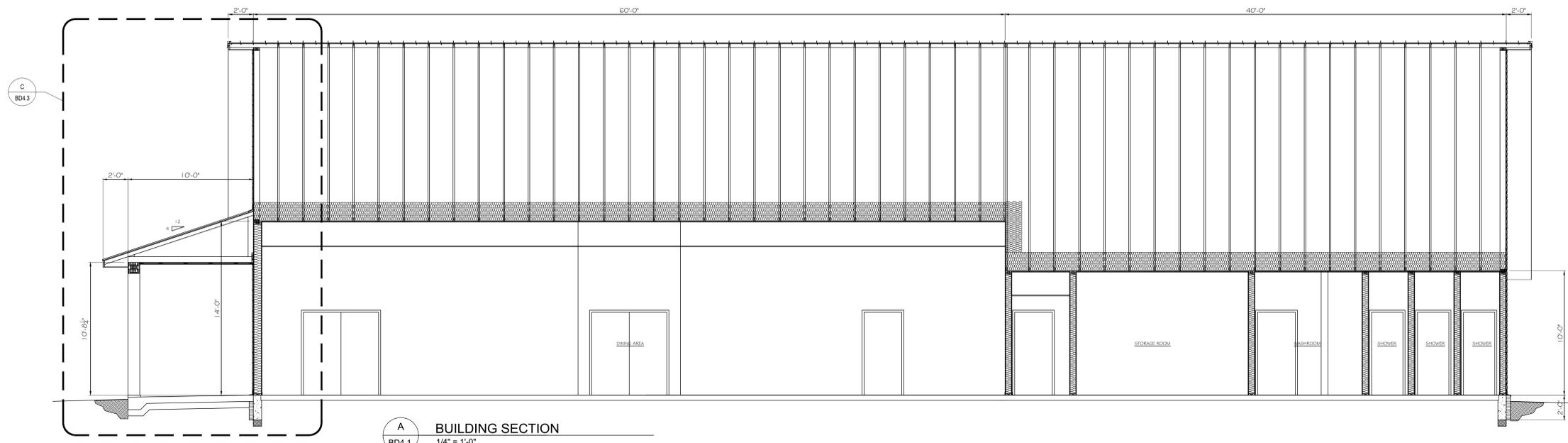


GENERAL NOTES

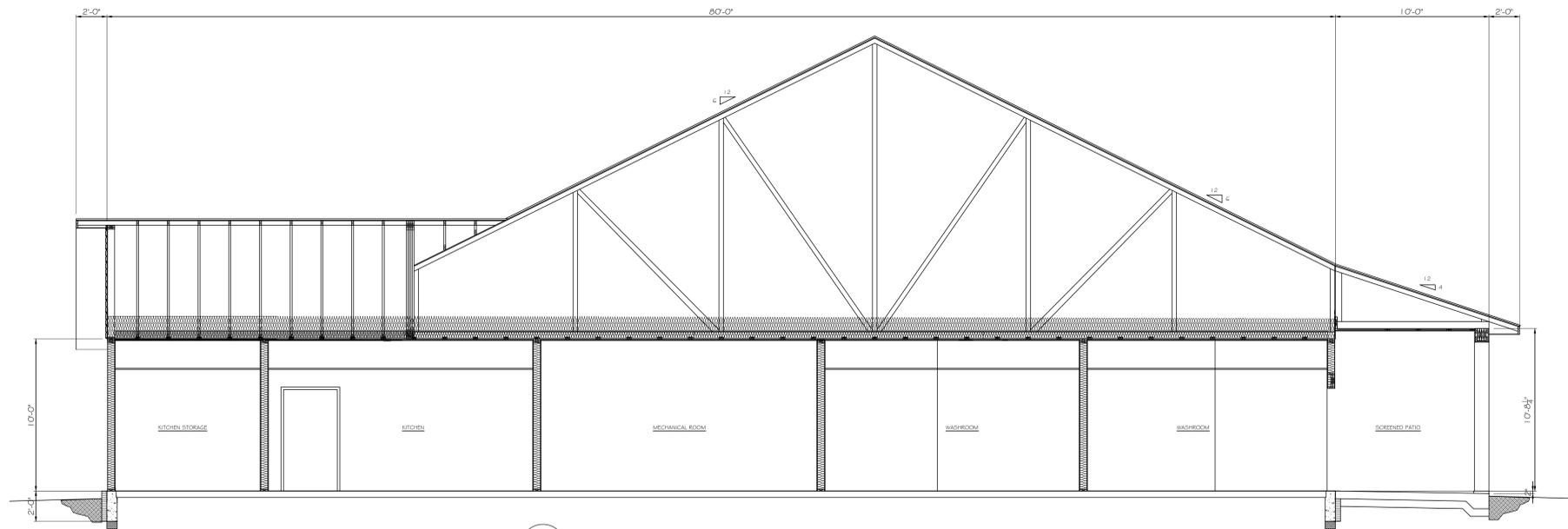
- PRIOR TO PROCEEDING WITH CONSTRUCTION THE OWNER / CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND VERIFY ALL INFORMATION, DIMENSIONS AND SPECIFICATIONS OF THIS PLAN AND OBTAIN A BUILDING PERMIT FROM THE AUTHORITY HAVING JURISDICTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE DRAFTSMAN BEFORE CONSTRUCTION COMMENCES.
- BUILDING GRADE ELEVATIONS ARE SUGGESTED ONLY AND MAY HAVE TO BE REVISED TO SUIT EXACT SITE CONDITIONS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA, CURRENT EDITION AND THE AUTHORITY HAVING JURISDICTION.
- WINDOWS SIZES & LOCATIONS SHALL BE CONFIRMED BY THE OWNER. UTILITY COMPANIES SHALL BE CONTACTED TO LOCATE ALL UNDER GROUND SERVICES PRIOR TO ANY EXCAVATING COMMENCING.

ABBREVIATIONS

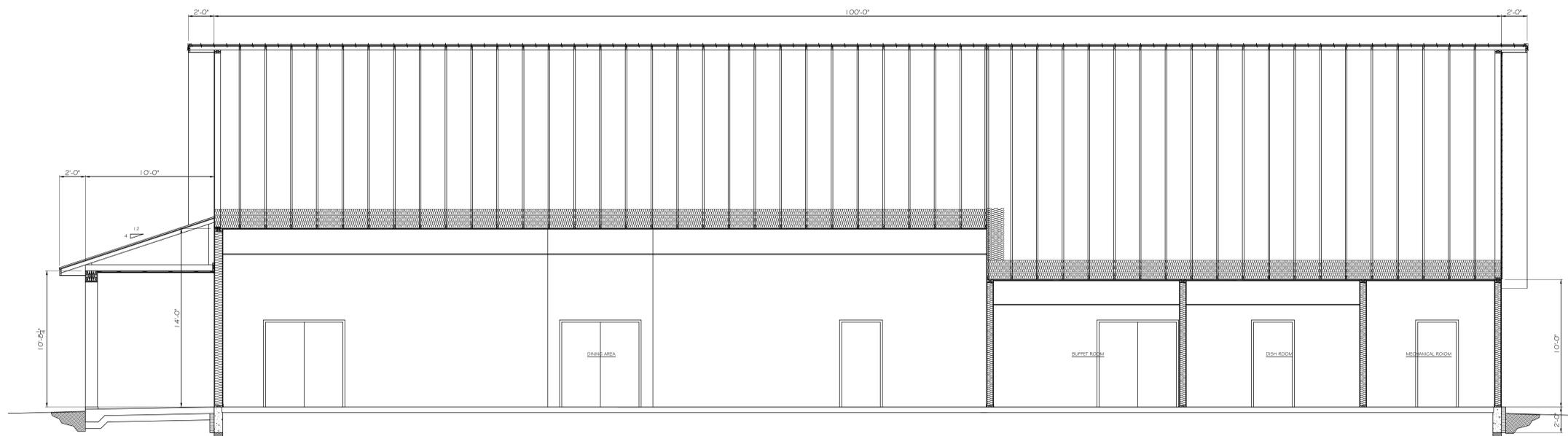
TO = TOP OF	US = UNDERSIDE	OSB = ORIENTED STRAND BOARD	PT = PRESURE TREATED	HD = HOOK DOWN	HCW = HOLLOW CORE WOOD	SCW = SOLID CORE WOOD	SCM = HOLLOW CORE METAL	ICF = INSULATED CONCRETE FORM	PI = PRESSED STEEL	DI = DOUBLE GLASS
1/2" = 1'-0"	1/4" = 1'-0"	1/8" = 1'-0"	1/16" = 1'-0"	1/32" = 1'-0"	1/64" = 1'-0"	1/128" = 1'-0"	1/256" = 1'-0"	1/512" = 1'-0"	1/1024" = 1'-0"	1/2048" = 1'-0"



A BUILDING SECTION
BD4.1 1/4" = 1'-0"



B BUILDING SECTION
BD4.1 1/4" = 1'-0"



C BUILDING SECTION
BD4.1 1/4" = 1'-0"

REV	DESCRIPTION	DATE
1	ISSUED FOR TENDER	21 FEB 2025

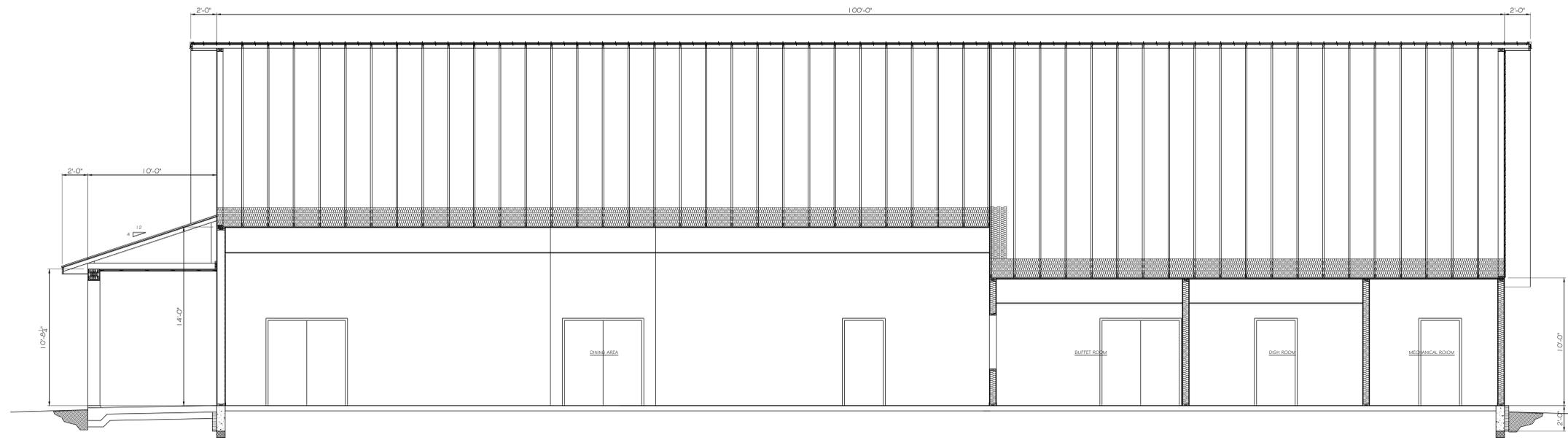
SEALS:

GENERAL NOTES

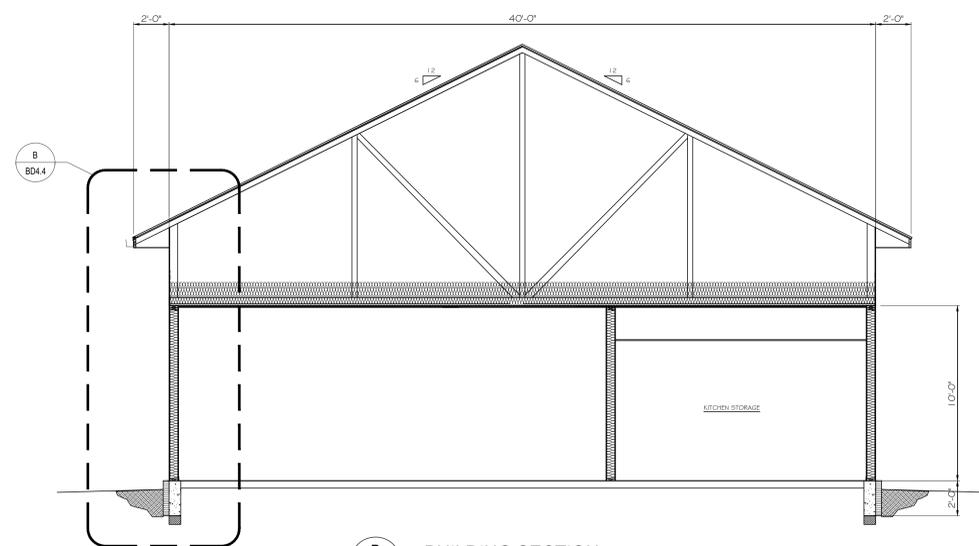
- PRIOR TO PROCEEDING WITH CONSTRUCTION THE OWNER / CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND VERIFY ALL INFORMATION, DIMENSIONS AND SPECIFICATIONS OF THIS PLAN AND OBTAIN A BUILDING PERMIT FROM THE AUTHORITY HAVING JURISDICTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE DRAFTSMAN BEFORE CONSTRUCTION COMMENCES.
- BUILDING GRADE ELEVATIONS ARE SUGGESTED ONLY AND MAY HAVE TO BE REVISED TO SUIT EXACT SITE CONDITIONS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA, CURRENT EDITION AND THE AUTHORITY HAVING JURISDICTION.
- WINDOWS SIZES & LOCATIONS SHALL BE CONFIRMED BY THE OWNER.
- UTILITY COMPANIES SHALL BE CONTACTED TO LOCATE ALL UNDER GROUND SERVICES PRIOR TO ANY EXCAVATING COMMENCING.

ABBREVIATIONS

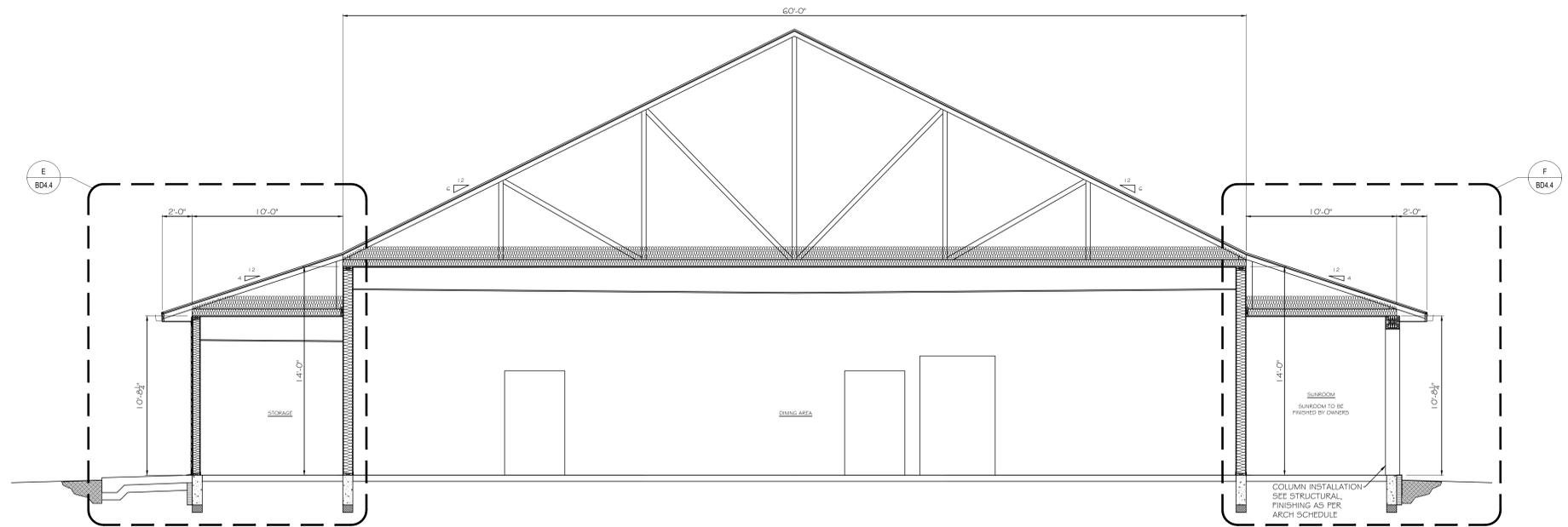
TO = TOP OF	3 P = BRIDGE PINE
US = UNDERSIDE	OWU = OPEN WEB WOOD JOIST
NSP = NON-SPECIFIC FINISH	T&G = TONGUE AND GROOVE
OSB = ORIENTED STRAND BOARD	PF-FIN = PINE FINISH
P-T = PRESURE TREATED	REIN = REINFORCED
ND = KNOCK DOWN	CB = GRADE BEAM
HCW = HOLLOW CORE WOOD	CONC = CONCRETE
SCW = SOLID CORE WOOD	CONT = CONTINUOUS
HCM = HOLLOW CORE METAL	WD = WOOD
ICF = INSULATED CONCRETE FORM	B.U. = BUILT UP
PS = PRESSURIZED STEEL	M.E.C. = NATIONAL BUILDING CODE
M.I. = METAL INSULATED	HSB = HOLLOW STRUCTURAL STEEL
DFR = DOUBLE FIVE	CANT = CANTILEVER



A BUILDING SECTION
BD4.2 1/4" = 1'-0"



B BUILDING SECTION
BD4.2 1/4" = 1'-0"



C BUILDING SECTION
BD4.2 1/4" = 1'-0"

REV	DESCRIPTION	DATE
1	ISSUED FOR TENDER	21 FEB 2025

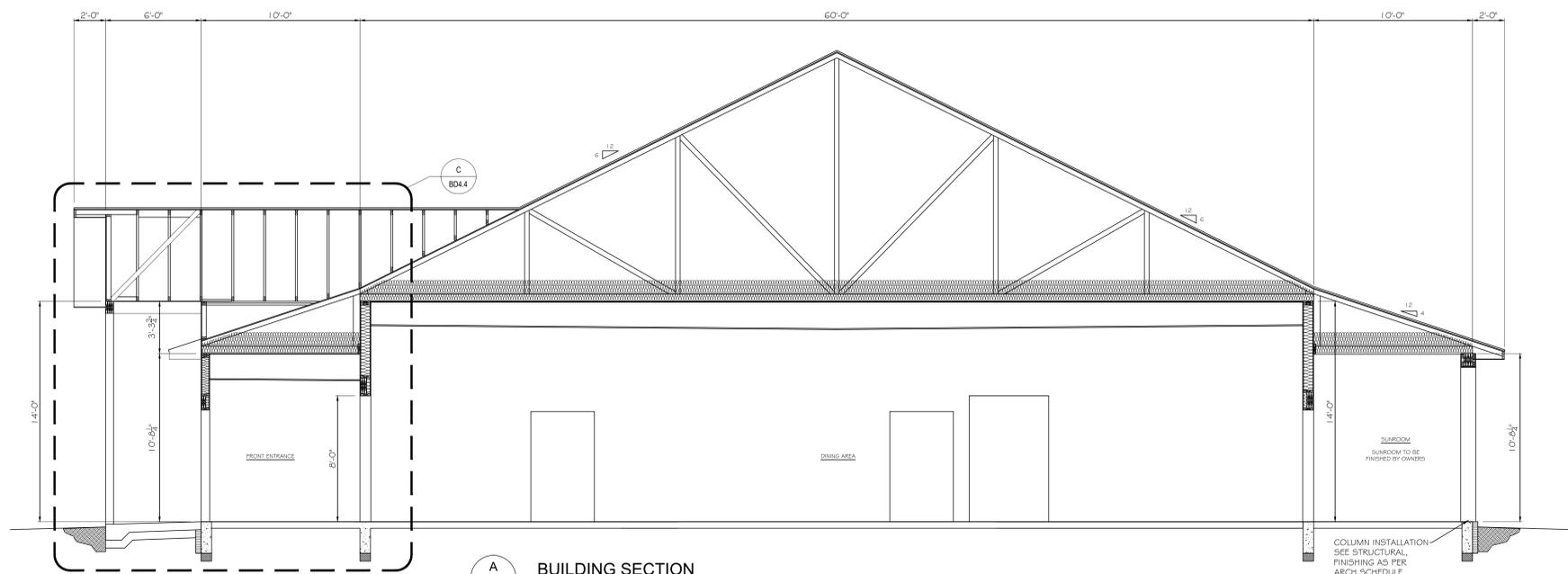
SEALS:

GENERAL NOTES

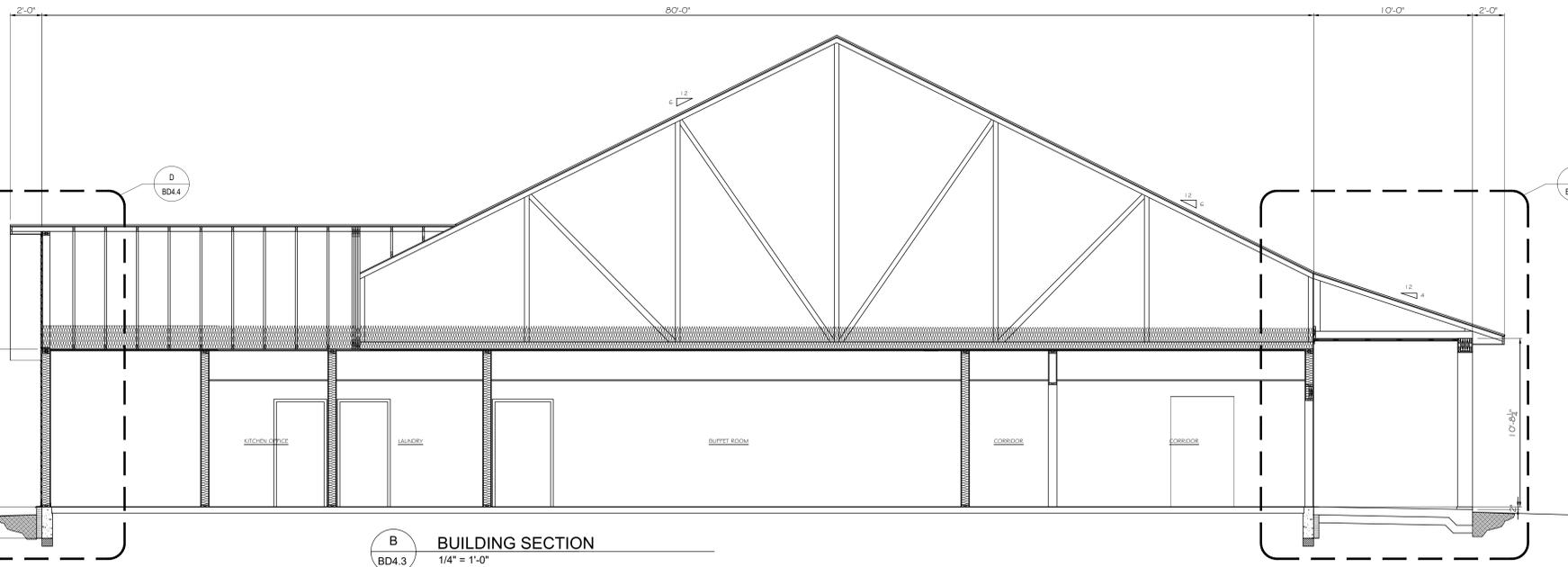
- PRIOR TO PROCEEDING WITH CONSTRUCTION THE OWNER / CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND VERIFY ALL INFORMATION, DIMENSIONS AND SPECIFICATIONS OF THIS PLAN AND DETAIL. BUILDING PERMIT FROM THE AUTHORITY HAVING JURISDICTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE DRAFTSMAN BEFORE CONSTRUCTION COMMENCES.
- BUILDING GRADE ELEVATIONS ARE SUGGESTED ONLY AND MAY HAVE TO BE REVISED TO SUIT EXACT SITE CONDITIONS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA, CURRENT EDITION AND THE AUTHORITY HAVING JURISDICTION.
- WINDOWS SIZES & LOCATIONS SHALL BE CONFIRMED BY THE OWNER. UTILITY COMPANIES SHALL BE CONTACTED TO LOCATE ALL UNDER GROUND SERVICES PRIOR TO ANY EXCAVATING COMMENCING.

ABBREVIATIONS

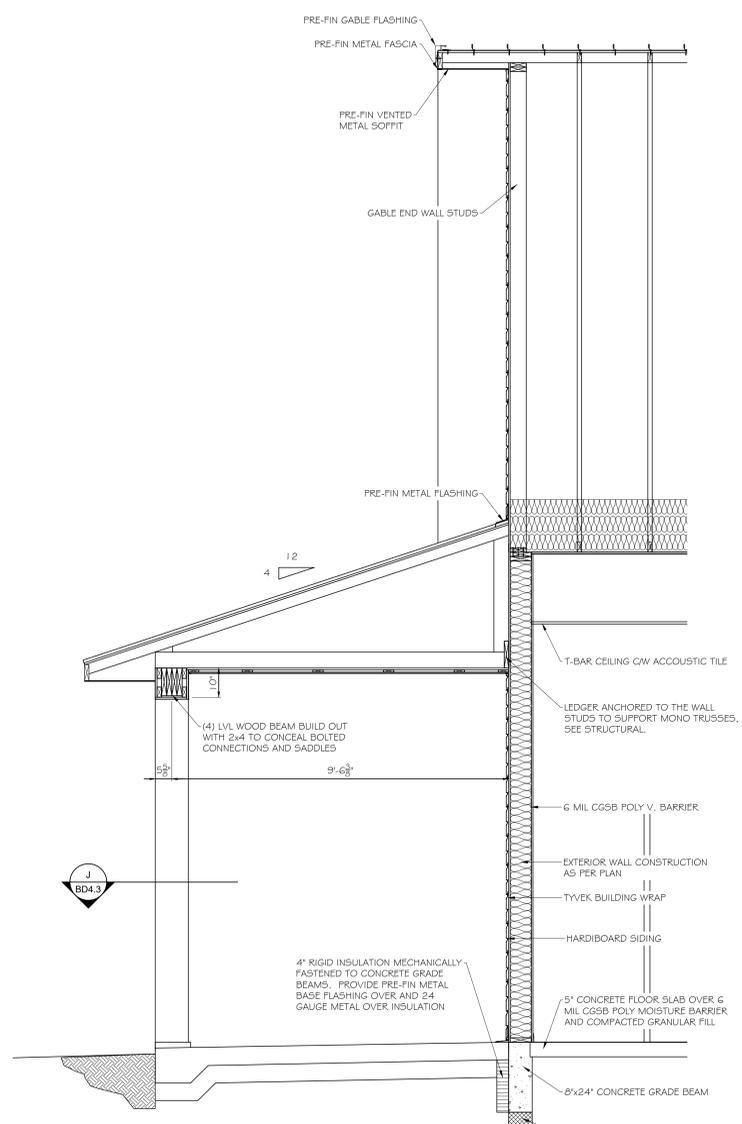
TO = TOP OF	SP = SPRUCE PINE FIR
US = UNDERSIDE	OW = OPEN WEB WOOD JOIST
MSF = MEDIUM DENSITY FIBREBOARD	T&G = TONGUE AND GROOVE
OSB = ORIENTED STRAND BOARD	PF = PRE FINISHED
PT = PRESURIZED TREATED	RF = REINFORCED
ND = KNOCK DOWN	GB = GRADE BEAM
HCW = HOLLOW CORE WOOD	CON = CONCRETE
SCW = SOLID CORE WOOD	CONT = CONTINUOUS
HCM = HOLLOW CORE METAL	WO = WOOD
ICF = INSULATED CONCRETE FORM	BLU = BUILT UP
PI = PRESSED IRON	ML = METAL INSULATED
MS = MEDIUM DENSITY FIBREBOARD	MS = MEDIUM BUILDING CODE
MSI = METAL INSULATED	HS = HOLLOW STRUCTURAL STEEL
DF = Douglas Fir	CAF = CANTILEVER



A BUILDING SECTION
BD4.3 1/4" = 1'-0"



B BUILDING SECTION
BD4.3 1/4" = 1'-0"



C WALL SECTION
BD4.3 1/2" = 1'-0"

REV	DESCRIPTION	DATE
1	ISSUED FOR TENDER	21 FEB 2025

SEALS:

GENERAL NOTES

- PRIOR TO PROCEEDING WITH CONSTRUCTION THE OWNER / CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND VERIFY ALL INFORMATION, DIMENSIONS AND SPECIFICATIONS OF THIS PLAN AND OF ALL BUILDING PERMITS FROM THE AUTHORITY HAVING JURISDICTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE DRAFTER BEFORE CONSTRUCTION COMMENCES.
- BUILDING GRADE ELEVATIONS ARE SUGGESTED ONLY AND MAY HAVE TO BE REVISED TO SUIT EXACT SITE CONDITIONS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA, CURRENT EDITION AND THE AUTHORITY HAVING JURISDICTION.
- WINDOW SIZES & LOCATIONS SHALL BE CONFIRMED BY THE OWNER.
- UTILITY COMPANIES SHALL BE CONTACTED TO LOCATE ALL UNDER GROUND SERVICES PRIOR TO ANY EXCAVATING COMMENCING.

ABBREVIATIONS

TO = TOP OF	2" x 4" BRIDGE PINE FR
US = UNDERSIDE	2x4 = OPEN WEB WOOD JOIST
MSF = MEDIUM DENSITY FIBREBOARD	2x6 = TONGUE AND GROOVE
OSB = ORIENTED STRAND BOARD	PRE-FIN = PRE FINISHED
P.T. = PLYWOOD TREATED	REIN = REINFORCED
HD = HOLLOW CORE WOOD	GB = GRADE BEAM
SDW = SOLID CORE WOOD	CONC = CONCRETE
SCM = SOLID CORE WOOD	CONT = CONTINUOUS
HW = HOLLOW CORE METAL	WD = WOOD
ICF = INSULATED CONCRETE FORM	BLU = BUILT UP
FR = REINFORCED STEEL	MB = MECHANICAL BUILDING CODE
MI = METAL INSULATED	RS = HOLLOW STRUCTURAL STEEL
DFR = DOUBLE FIVE	CANT = CANTILEVER

GOOD SPIRIT BIBLE CAMP DINING HALL BUILDING

GOOD SPIRIT LAKE, SASKATCHEWAN

TITLE: **BUILDING SECTIONS**

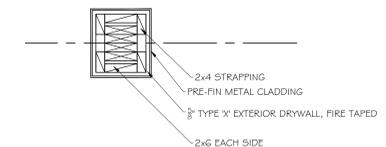
DRAWN BY: **JASON GILCHUK**

DATE: **NOVEMBER 2023**

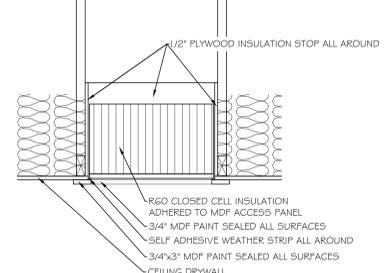
FILE NO: **9475**

SCALE: **AS NOTED**

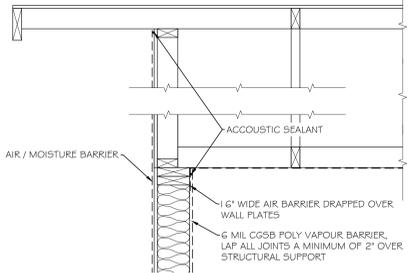
SHEET NO: **BD4.3**



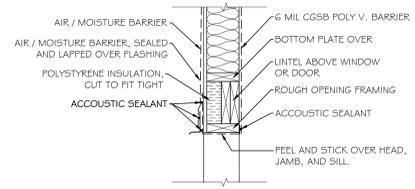
D COLUMN DETAIL
BD4.3 1" = 1'-0"



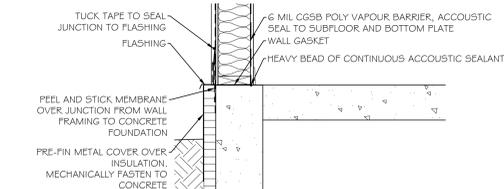
E ATTIC ACCESS DETAIL
BD4.3 1" = 1'-0"



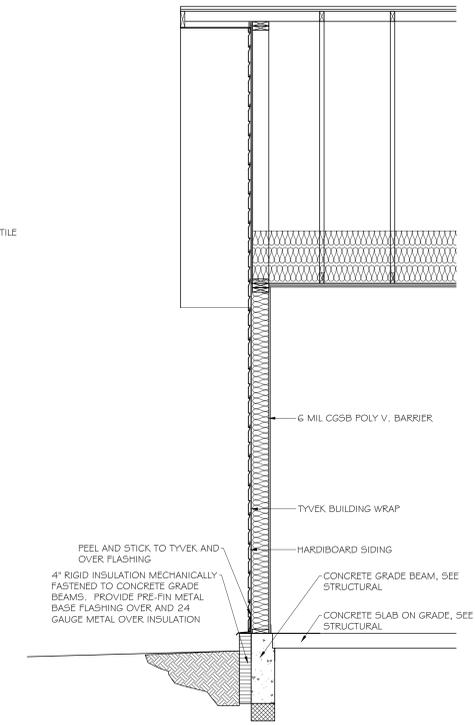
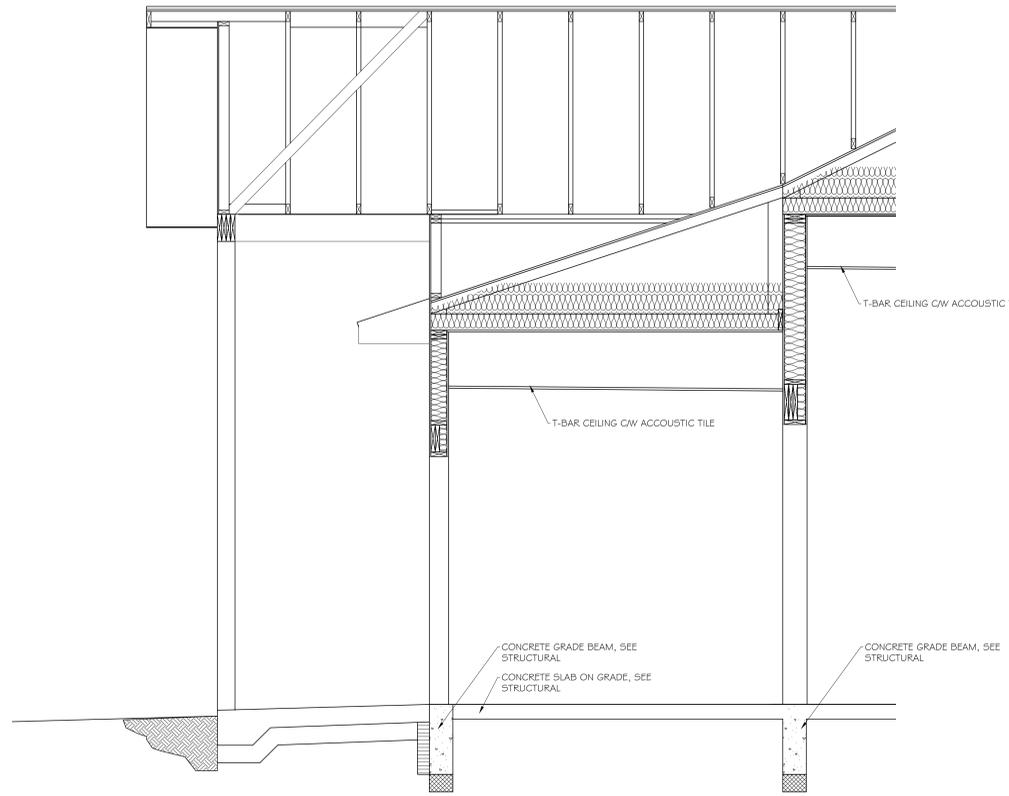
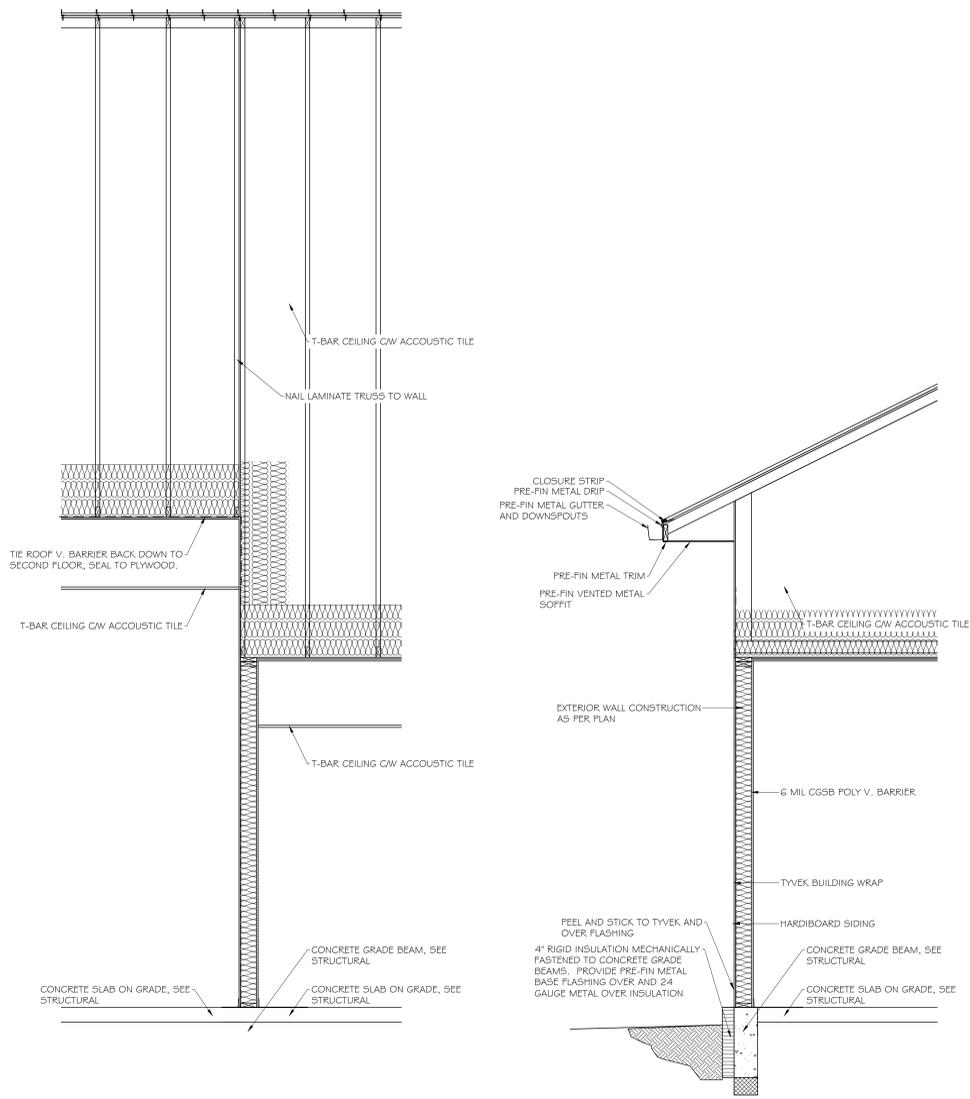
F WALL TO ROOF V. BARRIER DETAIL
BD4.3 N.T.S.



G LINTEL V. BARRIER / INSUL DETAIL
BD4.3 N.T.S.



H V. BARRIER DETAIL @ WALL TO FLOOR
BD4.3 N.T.S.

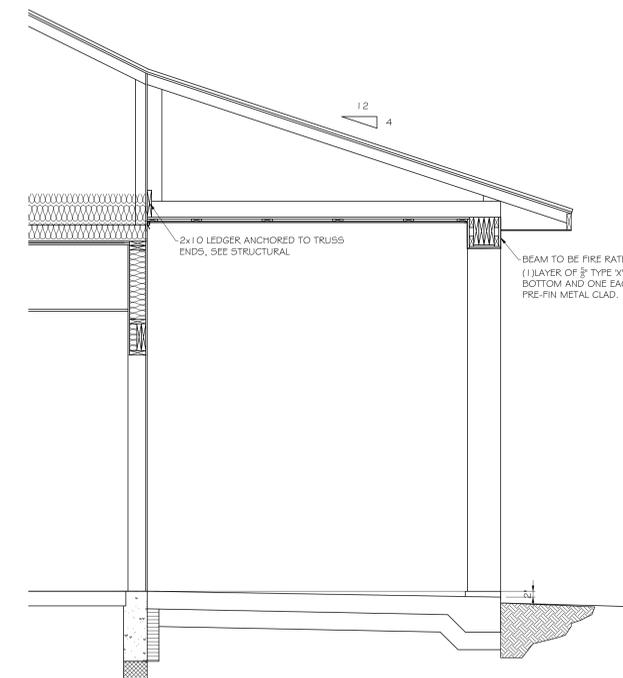
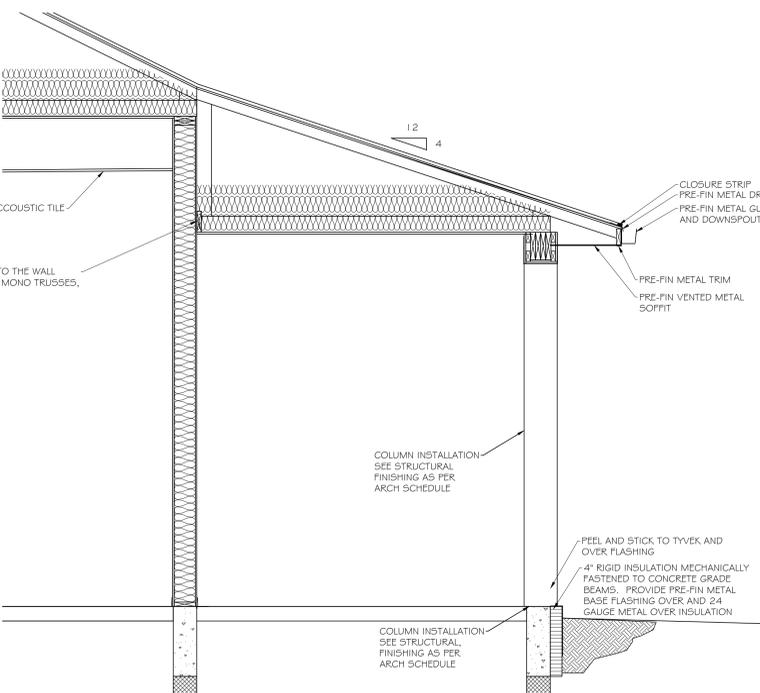
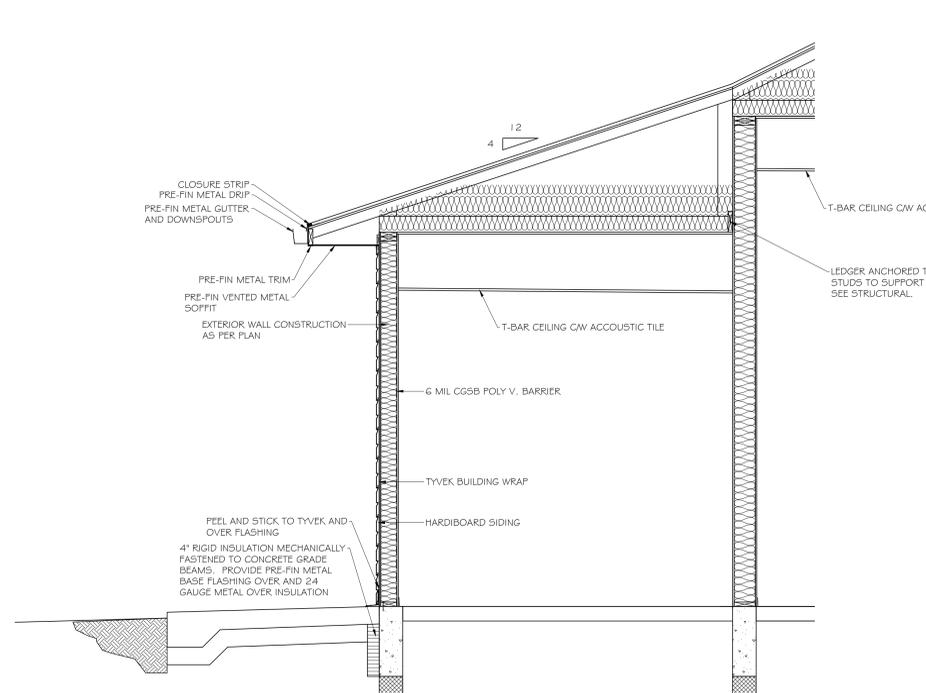


A WALL SECTION
BD4.4 1/2" = 1'-0"

B WALL SECTION
BD4.4 1/2" = 1'-0"

C WALL SECTION
BD4.4 1/2" = 1'-0"

D WALL SECTION
BD4.4 1/2" = 1'-0"



E WALL SECTION
BD4.4 1/2" = 1'-0"

F WALL SECTION
BD4.4 1/2" = 1'-0"

G WALL SECTION
BD4.4 1/2" = 1'-0"

REV	DESCRIPTION	DATE
1	ISSUED FOR TENDER	21 FEB 2025

SEALS:

Association of Professional Engineers & Geoscientists of Saskatchewan
CERTIFICATE OF REGISTRATION
CFI ENGINEERING AND CONSULTING LTD.
NUMBER 2244
Professional & Control Seal by:
Date: 21 Feb 2025

GENERAL NOTES

- PRIOR TO PROCEEDING WITH CONSTRUCTION THE OWNER / CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND VERIFY ALL INFORMATION, DIMENSIONS AND SPECIFICATIONS OF THIS PLAN AND OBTAIN A BUILDING PERMIT FROM THE AUTHORITY HAVING JURISDICTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE DRAFTSMAN BEFORE CONSTRUCTION COMMENCES.
- BUILDING GRADE ELEVATIONS ARE SUGGESTED ONLY AND MAY HAVE TO BE REVISED TO SUIT EXACT SITE CONDITIONS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA, CURRENT EDITION AND THE AUTHORITY HAVING JURISDICTION.
- WINDOW SIZES & LOCATIONS SHALL BE CONFIRMED BY THE OWNER. UTILITY COMPANIES SHALL BE CONTACTED TO LOCATE ALL UNDER GROUND SERVICES PRIOR TO ANY EXCAVATING COMMENCING.

ABBREVIATIONS

TO = TOP OF	US = UNDERSIDE	SP = SPRUCE PINE FIR
NSP = NON-SPECIFIED	HD = HIGH DENSITY FIBREBOARD	OWW = OPEN WEB WOOD JOIST
OSB = ORIENTED STRAND BOARD	OT = ORIENTED TREATED	T&G = TONGUE AND GROOVE
HT = HOLLOW CORE WOOD	HD = KNOCK DOWN	RF = REINFORCED
SCW = SOLID CORE WOOD	HCW = HOLLOW CORE WOOD	GB = GRADE BEAM
ICF = INSULATED CONCRETE FORM	PCW = PRECAST CONCRETE	CON = CONTINUOUS
PI = PRECAST INSULATED	PI = PRECAST INSULATED	WD = WOOD
DFR = DOUBLE FLOOR	PI = PRECAST INSULATED	B.U. = BUILT UP
		M.C. = METAL CLAD BUILDING CODE
		MI = METAL INSULATED
		HS = HOLLOW STRUCTURAL STEEL
		CS = CHANNEL

**GOOD SPIRIT BIBLE CAMP
DINING HALL BUILDING**

GOOD SPIRIT LAKE, SASKATCHEWAN

TITLE: BUILDING SECTIONS

DRAWN BY: JASON GILCHUK

DATE: NOVEMBER 2023

FILE NO: 9475

SCALE: AS NOTED

SHEET NO: **BD4.4**

GENERAL:

- THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH, AND SHALL BE CONSTRUCTED IN COMPLIANCE WITH, THE NATIONAL BUILDING CODE OF CANADA 2020.
- APPLICATION STANDARDS FOR THE DESIGN INCLUDES THE LATEST REVISION OF THE FOLLOWING:
 - CSA A23.1 CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION
 - CSA A23.2 TEST METHODS AND STANDARD PRACTICE FOR CONCRETE
 - CSA A23.3 DESIGN OF CONCRETE STRUCTURES
 - CSA S16 DESIGN OF STRUCTURAL STEEL STRUCTURES
 - CSA S304 DESIGN OF MASONRY STRUCTURES
 - CSA 086 DESIGN OF WOOD STRUCTURES
 - AND ALL REFERENCED CODES AND STANDARDS LISTED WITHIN THESE DOCUMENTS.
- ENVIRONMENTAL LOADS DEVELOPED USING:
 - LOCATION - GOOD SPIRIT LAKE, SASKATCHEWAN
 - IMPORTANCE - HIGH
 - SNOW - $S_s = 2.1$ kPa; $S_e = 0.1$; $c_w = 1$; $c_e = 0.8$; $c_s = 1.0$; $c_i = 1.0$
 - WIND - $V = 0.4$ kPa
 - SEISMIC - $S_d(0.2) = 0.101$; $S_d(0.5) = 0.067$; $S_d(1.0) = 0.034$; $S_d(2.0) = 0.015$; $S_d(5.0) = 0.003$; $S_d(10.0) = 0.001$; PGA = 0.0458; PGV = 0.0365
- STRUCTURAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT PROJECT DRAWINGS (MECHANICAL-MEMO, ARCHITECTURAL-ARM, CIVIL-CRM, AND ELECTRICAL-EM) AND SPECIFICATIONS. SPECIFICATIONS SHALL CONTROL OVER THESE DRAWINGS.
- READ AND UNDERSTAND THE INTENT OF THE DESIGN DRAWINGS SHALL BE READ AS A WHOLE IN CONTEXT WITH THE PROJECT AND IN CONJUNCTION WITH DRAWINGS AND INFORMATION BY OTHERS.
- USE THE DRAWINGS ONLY FOR THE PURPOSE REFERENCED IN THE REVISIONS BLOCK, ONLY. "FOR CONSTRUCTION" DRAWINGS SHALL BE USED FOR CONSTRUCTION PURPOSES.
- DO NOT SCALE DRAWINGS.
- VERIFY ALL DIMENSIONS, ELEVATIONS, SLOPES, DETAILS, CONDITIONS, ETC. SHOWN ON THE DRAWINGS AND VERIFIED WITH SITE CONDITIONS. PRIOR TO CONSTRUCTION OR PREPARATION OF ANY BUILDING COMPONENT.
- MODIFICATIONS, ALTERNATIONS, OR SUBSTITUTIONS MUST BE AUTHORIZED IN WRITING BY THE ENGINEER.
- LOCATE ALL EXISTING SUBGRADE SERVICES PRIOR TO CONSTRUCTION.
- DESIGN AND INSTALL ALL NECESSARY SHORING, BRACING AND FORMWORK. FORMWORK FOR CONSTRUCTION SHALL BE BRIDGED OVER EXISTING SERVICES. PROCEDURE MUST BE APPROVED BY THE ENGINEER.
- FOR OPENINGS IN SLAB REFER TO E 9 AND OPENINGS WITHIN THE PRE-ENG BUILDING REFER TO THE PRE-ENGINEERED BUILDING DRAWINGS.
- REVIEW LOCATION OF INTENDED AND PROPOSED CONSTRUCTION JOINTS WITHIN THE STRUCTURE WITH THE ENGINEER PRIOR TO PROCEEDING.
- CONSTRUCTION SAFETY REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- DEFECTIVE OR UNACCEPTABLE WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST OR SCHEDULE DELAY TO THE CONTRACT.

STRUCTURAL STEEL:

- DESIGN, FABRICATION, ERECTION, AND OTHER CONSTRUCTION PRACTICES TO CONFORM TO CSA-S16 AND THE CISC CODE OF STANDARD PRACTICE FOR STRUCTURAL STEEL.
 - DESIGN AND FABRICATION OF STEEL STRUCTURAL STEEL (EXCEPT AS OTHERWISE REQUIRED IN THE NOTES FOLLOWING, THE DRAWINGS OR THE SPECIFICATIONS.)
 - CISC / CPMA STANDARDS FOR PAINT
 - SSPC STEEL STRUCTURES PAINTING COUNCIL SURFACE PREPARATION
 - CAN / CSA-G40 20/G40 21-GENERAL REQUIREMENTS FOR ROLLED OR WELDED STRUCTURAL QUALITY STEEL/STRUCTURAL QUALITY STEEL
 - CSA C164/M 107 DIP GALVANIZING OF IRREGULARLY SHAPED ARTICLES
 - CAN / CSA-S136-M COLD FORMED STEEL STRUCTURAL MEMBERS
 - CSA W47 / CERTIFICATION OF COMPANIES FOR FUSION WELDING OF STEEL
 - CSA W58 / CERTIFICATION OF COMPANIES FOR RESISTANCE WELDING OF STEEL
 - CSA W59 WELDED STEEL CONSTRUCTION (METAL ARC WELDING)
 - UNLESS NOTED OTHERWISE DATES OF APPLICABLE VERSIONS OF THESE STANDARDS ARE AS REFERENCED IN THE APPLICABLE PROJECT CODES. NOTWITHSTANDING THESE CODES AND STANDARDS, THE MINIMUM REQUIREMENTS OF THESE NOTES AND TENDER DOCUMENTS SHALL APPLY.
- STEEL TO BE FABRICATED AND ERECTED BY A SHOP CERTIFIED BY CANADIAN INSTITUTE OF STEEL CONSTRUCTION
 - CANADIAN WELDING BUREAU (CWB)
 - CANADIAN INSTITUTE OF STEEL CONSTRUCTION
 - STEEL STRUCTURES PAINTING COUNCIL
- FOR ASTM A6 GROUP 3 SHAPES WITH A FLANGE THICKNESS OF 35mm OR GREATER, GROUP 4 AND 5 SHAPES, AND BUILT-UP MEMBERS WITH A PLATE THICKNESS OF 50mm OR GREATER, CHARPY V-NOTCH TESTING SHALL BE PROVIDED IN ACCORDANCE WITH ASTM SUPPLEMENTARY SPECIFICATION E 271 AT 21 DEGREES CENTIGRADE.
- ALL STRUCTURAL STEEL SHALL CONFORM TO CSA G40.21 (300V) EXCEPT W SECTIONS AND PLATES SHALL CONFORM TO CSA G40.21 (350V). HSS MEMBERS G40.21 (350V) CLASS C OR ASTM A500 GRADE C. ANCHOR BOLTS ASTM F1554 GR 5, COLD FORMED SECTIONS ASTM A309 UNLESS OTHERWISE NOTED. ALL SECTIONS SHALL BE SHOP PRIME PAINTED WITH THE SURFACE PREPARATION AND PAINTING PROCEDURES IN ACCORDANCE WITH CAN/CSG 85.10.
- RECYCLED CONTENT STEEL SHALL BE MORE THAN 90% RECYCLED STEEL FROM ELECTRIC ARC FURNACE TECHNOLOGY UNLESS OTHERWISE APPROVED BY THE OWNER. PROVIDE DOCUMENTATION AND BACKUP TO THE SATISFACTION OF THE LEED CERTIFICATION COMMITTEE STATING THE POST CONSUMER CONTENT PERCENTAGE, THE POST INDUSTRIAL CONTENT PERCENTAGE, AND THE RECYCLED CONTENT PERCENTAGE OF THE STEEL PROVIDED TO THE PROJECT.
- STRUCTURAL STEEL FABRICATOR TO INCLUDE ALL STEEL ELEMENTS SHOWN ON THE STRUCTURAL DRAWINGS AND AS REQUIRED TO CONSTRUCT THE WORK TO THE INTENT OF THE STRUCTURAL DRAWINGS TO AND INCLUDING ANGLE SIZES EQUAL OR GREATER THAN 25mm PLATE THICKNESS EQUAL OR GREATER THAN 3mm AND ROD SIZE EQUAL OR GREATER THAN 6mm UNLESS NOTED OTHERWISE.
- STRUCTURAL STEEL CONTRACTOR AND/OR THE GENERAL CONTRACTOR SHALL EXAMINE THE SITE AND VERIFY THE LOCATION OF ALL EXISTING AND PLANNED CONSTRUCTION, ANCHOR BOLTS, AND OTHER WORK PREPARED BY OTHER TRADES PRIOR TO COMMENCING WITH THE FABRICATION OF STEEL MEMBERS. NOTIFY THE ENGINEER OF CHANGES TO OUTLINE RESULTING FROM SITE CONDITIONS.
- STEEL MEMBERS ARE EQUALLY SPACED BETWEEN DIMENSION POINTS UNLESS NOTED OTHERWISE.
- HSS MEMBERS SHALL BE FIELD WELDED IN DRY CONDITION IN THE SHOP. PROVIDE WEEP HOLES AT THE LOW END OF ALL HSS MEMBERS IN EXTERIOR CONDITIONS, AND SEAL WELD AROUND ALL MATING SURFACES IN UNHEATED EXTERIOR CONDITIONS WHETHER COVERED OR OPEN.
- FIELD EXPOSURE PERMANENTLY TO THE ELEMENTS SHALL BE HOT DIPPED GALVANIZED, INCLUDING ALL BRICK AND STONE VENEER SUPPORT ANGLES (UNLESS STAINLESS STEEL IS REQUIRED PER CSA). EMBEDS IN EXPOSED CONCRETE, ETC.
- STEEL IN EXTERIOR CONDITIONS SHALL BE SEAL WELDED ALL AROUND CONTACTING STEEL SURFACES UNLESS OTHER SUITABLE METHOD OF SEALING THE STEEL IS ACCEPTED BY THE MATERIALS CONSULTANT.
- PROVIDE WEB STIFFENERS EACH SIDE OF ALL BEAMS CONTINUOUS OVER COLUMNS. STIFFENERS SHALL BE 10mm THICK MINIMUM, OR AS REQUIRED FOR CONNECTION DESIGN. PROVIDE 2 STIFFENERS EACH SIDE OF BEAMS SUPPORTING COLUMNS ABOVE. WITH THICKNESS AND AREA TO MATCH COLUMN FLANGES ABOVE. PROVIDE 2 STIFFENERS FOR BEAMS SUPPORTED ON ONE WEB FLANGE COLUMNS. STIFFENERS TO ALIGN WITH FLANGES. BEAMS SUPPORTING HSS COLUMNS MAY USE CUT SECTIONS OF HSS TO PROVIDE FOR LOAD TRANSFER STIFFENERS.
- PROVIDE WEEP HOLES FOR RELIEF OF MOISTURE FROM HOLLOW STEEL MEMBERS WHICH MAY BE SUBJECT TO FREEZING. HOLES TO BE AT LOW POINT OF MEMBERS TO ALLOW DRAINING.
- ANCHOR UNDER BASE PLATES OF COLUMNS WITH A NON-METALLIC, NON-SHRINK, FLOWABLE GROUT, TARGED MACHINE BASE OR SIMILAR, CAST UNDER HYDRAULIC HEAD. ENSURE FULL AREA IS GROUTED. PROVIDE 25mm UNLESS NOTED OTHERWISE. MINIMUM GROUT 28 DAY CONCRETE STRENGTH TO BE 50MPa. PROVIDE WEEP HOLES IN COLUMN BASE PLATES WHERE SHOWN.
- PROVIDE METRIC EQUIVALENTS TO IMPERIAL SIZES INDICATED ON THE DRAWINGS.
- HOLES, COPIES OR CUTS OR MODIFICATIONS OF THE STRUCTURAL STEEL MEMBERS SHALL NOT BE MADE IN THE FIELD WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER.
- ANCHORS TO BE MINIMUM 4 - 20mm DIA. F1554 GR5 ROD HOT DIP GALVANIZED ANCHOR BOLTS AND GALVANIZED STRUCTURAL GRADE HEAVY HEX NUTS UNLESS OTHERWISE NOTED. PROVIDE 100x100x6 ANCHOR PLATE WASHERS WITH DOUBLE NUT AT BOTTOM. PROVIDE A MINIMUM OF 24 BAR DIAMETERS EMBEDMENT EXCEPT WHERE FOOTING IS SHALLOWER. PROVIDE 75mm CLEAR COVER BOTTOM. PROJECT SPECIFICALLY TO ALLOW FOR GROUT, SHIM AND BASE PLATE PLUS 75 PROJECTION ABOVE BASE PLATE.

CAST-IN-PLACE CONCRETE:

- ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH CSA A23.1/A23.2 CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION / METHODS OF TEST AND STANDARD PRACTICES FOR CONCRETE
- SUPPLEMENTARY CEMENTITIOUS MATERIAL TO CSA A3000-18 CEMENTITIOUS MATERIALS COMPENDIUM.
- CHEMICAL ADMIXTURES TO ASTM C494/C494M-17 AND ASTM C1017/C1017M-13a1.
- GENERAL CONTRACTOR TO PROVIDE PROPRIETARY MIX DESIGN PERFORMANCE RECORD AS REQUIRED BY CONCRETE ALBERTA.
- SUBMIT CONCRETE MIX DESIGN STATEMENTS, SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE PROVINCE OF ALBERTA, PRIOR TO CONSTRUCTION.
- CONSTRUCT FORMWORK, SHORING, AND BRACING TO MEET DESIGN CODE, AND CSA A23.1 REQUIREMENTS. CONSTRUCT ACCURATELY, SO THAT RESULTING FINISHED CONCRETE CONFORMS TO SHAPES, LINES, AND DIMENSIONS INDICATED ON THE DRAWINGS.
- CONCRETE WORKING TIME, FROM BATCHING TO PLACEMENT AND CONSOLIDATION, SHALL NOT EXCEED 2 HOURS. CONTRACTOR SHALL ACCURATELY PLACE AND SECURE ALL COMPONENTS TO BE EMBEDDED IN THE CONCRETE (ie WELD PLATES, DOWELS FOR CONCRETE, ANCHOR BOLTS, INSERTS, SLEEVING, ETC.). DOUBLE CHECK LOCATION AND POSITION OF ANCHOR BOLTS AND CONFIRM ALL ADDITIONAL REINFORCING BARS ARE IN PLACE PRIOR TO POURING CONCRETE.
- PROVIDE FLOOR FINISH ACCORDING TO TABLE 21 OF CSA A23.1 CLASS A, WITH HAND SCREEDED AND STEEL TROWEL FINISH. ALL WALKABLE EXTERIOR CONCRETE SURFACES TO HAVE BROOM FINISH.
- CONCRETE TESTING SHALL BE PERFORMED BY A CSA APPROVED TESTING COMPANY RETAINED BY THE CONTRACTOR. A MINIMUM OF THREE CONCRETE TEST CYLINDERS AND ONE SLUMP TEST SHALL BE TAKEN FOR EVERY 75 (OR LESS) CUBIC METERS OF EACH CLASS OF CONCRETE PLACED, OR FOR EACH DAY CONCRETE IS PLACED, WHICHEVER IS GREATER. TESTING SHALL BE PERFORMED IN ACCORDANCE WITH CSA A23.2-10 OR LATEST REVISION AT THE TIME OF THE WORK, AND THE RESULTS SHALL BE FORWARDED TO THE ENGINEER.
- ALL FORMWORK INCLUDING CARDBOARD "SONO-TUBES" TO BE REMOVED UPON COMPLETION.
- ALL HOLES NOT SHOWN ON THE DRAWINGS TO BE CORED THROUGH REINFORCED CONCRETE TO BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO CORING.
- CONSTRUCTION JOINTS, CONCRETE PLACEMENT SCHEDULING, AND WORK PROCEDURES SHALL BE DISCUSSED WITH THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION.
- FOR COLD WEATHER CONCRETE WORK, ALL ICE, SNOW, AND FROST SHALL BE REMOVED FROM FORMWORK AND THE TEMPERATURE OF ALL CONTACT SURFACES SHALL BE RAISED ABOVE 10C FOR 24 HOURS PRIOR TO PLACING CONCRETE. CONCRETE SHALL BE NOT LESS THAN 20C NOR MORE THAN 20C WHEN DEPOSITED. CONCRETE SHALL BE ENCLOSED AND THE SPACE SHALL HAVE A TEMPERATURE OF NOT LESS THAN 20C FOR THREE DAYS AND NOT LESS THAN 5C FOR AN ADDITIONAL FOUR DAYS.
- NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO ALL CONCRETE PLACEMENT TO ALLOW FOR SITE OBSERVATIONS.
- REFER TO TABLE C.1 FOR CONCRETE SPECIFICATIONS.

SLAB ON-GRADE:

- SUB-BASE PREPARATION - PREPARE SUB-BASE AS FOLLOWS:
 - REMOVE ALL TOPSOIL, SILT, LOOSE FILL, DEBRIS, ORGANIC MATERIAL (INCLUDING TREE ROOTS), EXISTING PROCTOR DENSITY, OR ELEMENTS THAT DO NOT MEET THE SPECIFICATIONS.
 - FILL ALL VOIDS AND LOW AREAS WITH CLEAN WELL GRADED GRANULAR FILL COMPACTED TO A MINIMUM 100% STANDARD PROCTOR DENSITY. INSTALL AND COMPACT IN 150mm (6") HIGH LIFTS.
- GRANULAR BASE - INSTALL A BASE OF CLEAN WELL GRADED GRANULAR FILL COMPACTED TO MINIMUM 100% STANDARD PROCTOR DENSITY. INSTALL AND COMPACT IN 150mm (6") HIGH LIFTS.
- IF REQUESTED BY THE ENGINEER, SUBMIT SAMPLES OF PROPOSED GRANULAR BASE AND SUB-BASE MATERIAL TO GEOTECHNICAL CONSULTANT FOR REVIEW AND APPROVAL.
- THAW ALL FROZEN AREAS PRIOR TO INSTALLING GRANULAR MATERIAL.
- COMPACTION TESTS SHALL BE PERFORMED BY A CSA APPROVED TESTING COMPANY RETAINED BY THE CONTRACTOR DURING THE INSTALLATION OF ALL GRANULAR MATERIAL. THE RESULTS SHALL BE FORWARDED TO THE ENGINEER.
- INSULATION SHALL NOT DISPLACE THE GRANULAR THICKNESS BELOW CONCRETE.
- PROVIDE 6 MIL POLY MOISTURE BARRIER (WELL LAPPED AND SEALED) BETWEEN COMPACTED GRANULAR BASE AND CONCRETE SLAB UNLESS NOTED OTHERWISE.
- PROVIDE A FULL AND CONTINUOUS 12mm (1/2") WIDE EXPANSION BOARD JOINT BETWEEN THE EDGE OF SLAB AND GRADE BEAMS/PLASTERS.
- REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR SERVICES INSTALLED BELOW THE SLAB AND FOR SERVICES PENETRATING THE SLAB REQUIRING SLEEVING.
- REFER TO PLAN DRAWINGS FOR SURFACE SLOPES, SEALERS, AND HARDENERS, ETC.
- INSTALL SAWCUTS TO BE 1/4 OF THE SLAB THICKNESS IN DEPTH AND 3mm (1/8") WIDE. DO NOT CUT THROUGH REINFORCING IN THE SLAB. CUT NO SOONER THAN 24 HOURS AND NO LATER THAN 48 HOURS AFTER SLAB IS POURED. FILL SAWCUTS WITH APPROVED BITUMINOUS COMPOUND OR CAULKING.
- PROVIDE CONSTRUCTION JOINTS CW 12mm (1/2") EXPANSION BOARD AND GREASED SMOOTH DOWELS TO MATCH SLAB REINFORCING.
- REINFORCING SPLICES: REFER TO TABLE E.1.
- REINFORCING CONCRETE COVER: REFER TO TABLE E.2.

REINFORCING STEEL:

- REINFORCING STEEL SHALL BE NEW BILLET, DEFORMED BARS, MINIMUM 400MPa TO CSA G30 18-09 (R2014)
- REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE LATEST RSIC REINFORCING STEEL MANUAL OF STANDARD PRACTICE
- ALL REINFORCING TO BE HELD IN PLACE AND TIED BY THE USE OF PURPOSE MADE ACCESSORIES SUCH AS HI-CHAIRS, SPACERS, ETC.
- SUBMIT SHOP DRAWINGS WHICH CLEARLY INDICATE BAR SIZES, GRADE, SPACING, HOOKS, BENDS, SUPPORTING/SPACE SIZES, ETC. FOR REVIEW AND APPROVAL.
- HOUSEKEEPING PAD REINFORCING SHALL HAVE 10M AT 300mm (12") O/C EACH WAY TOP WITH HOOKED DOWELS AT 300mm (12") O/C DRILLED 100MM (4") INTO MAIN FLOOR SLAB INSET 125mm (5") ALONG THE PERIMETER OF THE HOUSEKEEPING PAD.
- REINFORCING SHALL BE PROVIDED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- FASTENERS SHALL BE MINIMUM 3.3mm x 75mm (10d X 3") COMMON NAILS, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED IN ACCORDANCE WITH CSA 0121-M1978 STANDARD OR HAVE AN APPROVED BARRIER TO FABRICATION.
- ALL EXTERIOR SHEATHING SHALL BE EITHER DOUGLAS FIR PLYWOOD EXTERIOR GRADE TO CSA 0121-M1978 STANDARD, SPRUCE PLYWOOD TO CSA 0151-M1978, OR OSB PANEL TO CSA 0437-93.
- SPENITE OR WATER BOARD IS NOT PERMITTED TO BE USED FOR ANY STRUCTURAL APPLICATIONS ON THIS PROJECT.
- ALL BUILT-UP WOOD COLUMNS TO BE CONSTRUCTED ACCORDING TO NBC 2015 9.1.4.2.
- ALL FASTENERS TO BE GALVANIZED AND INSTALLED ACCORDING TO NBC 2015 9.2.3.
- PROVIDE 18 GAUGE GALVANIZED METAL TIE-DOWN ANCHORS BOTH ENDS ALL TRUSSES IF NOT SPECIFIED BY TRUSS MANUFACTURER.
- PROVIDE CAST-IN-PLACE ANCHOR BOLTS AT 915mm (36") O/C FOR ALL EXTERIOR WALLS. ANCHOR BOLTS SHALL BE EMBEDDED 200mm (8") AND HAVE A MINIMUM 8mm (5/16") DIA. AND 64mm (2 1/2") DIA. DOUBLE NUT AT THE EMBEDDED END.
- PROVIDE SHOP DRAWINGS SIGNED AND SEALED BY PRE-ENGINEERED ROOF TRUSSES ENGINEER REGISTERED IN THE PROVINCE OF ALBERTA AND HOLDS A CURRENT PERMIT TO PRACTICE WITH A CSA ENGINEERED FRAMING SYSTEM ENGINEER IS RESPONSIBLE FOR THE DESIGN AND DETAILING OF ALL WOOD TRUSSES AND CONNECTIONS.
- ALL BRIDGING & GENERAL BRACING FOR TRUSSES SHALL BE THE RESPONSIBILITY OF THE TRUSS SUPPLIER & SHALL BE CLEARLY SHOWN ON THE TRUSS SHOP DRAWINGS.
- STRUCTURAL ELEMENTS WITHIN THIS DESIGN SHALL NOT BE CUT OR MODIFIED ON SITE WITHOUT WRITTEN APPROVAL BY ENGINEER OF RECORD.
- THE CONTRACTOR SHALL COORDINATE OPENING SIZES & LOAD REQUIREMENTS FOR ANY & ALL MECHANICAL & ELECTRICAL EQUIPMENT ON ALL PRE-ENGINEERED FRAMING SYSTEMS.
- DO NOT FILE ROOF SHEATHING ON ROOF DURING CONSTRUCTION.
- ALLOW 1/8" SPACE BETWEEN PLYWOOD WOOD SHEETS FOR EXPANSION ALL BUILT-UP WOOD COLUMNS & POSTS TO BE CONTINUOUSLY BLOCKED DOWN TO THE FOUNDATION.
- PROVIDE ADDITIONAL STUDS (CRIPPLES) BELOW BEARING POINTS OF BUILT-UP BEAMS & LINTELS. NUMBER OF STUDS TO EQUAL NUMBER OF PILES OF BEAM OR LTEL & LVL/PSLs UNLESS OTHERWISE NOTED ON DRAWINGS.
- PROVIDE CONT. HORIZONTAL SOLID BLOCKING @ MAX. 4'-0" o/c VERTICALLY IN ALL EXTERIOR STUD WALLS.
- MAXIMUM ALLOWABLE DEFLECTION AS NOTED:
 - LIVE LOAD = L/90
 - DEAD LOAD = L/360
 - COLUMNS = L/960

WOOD:

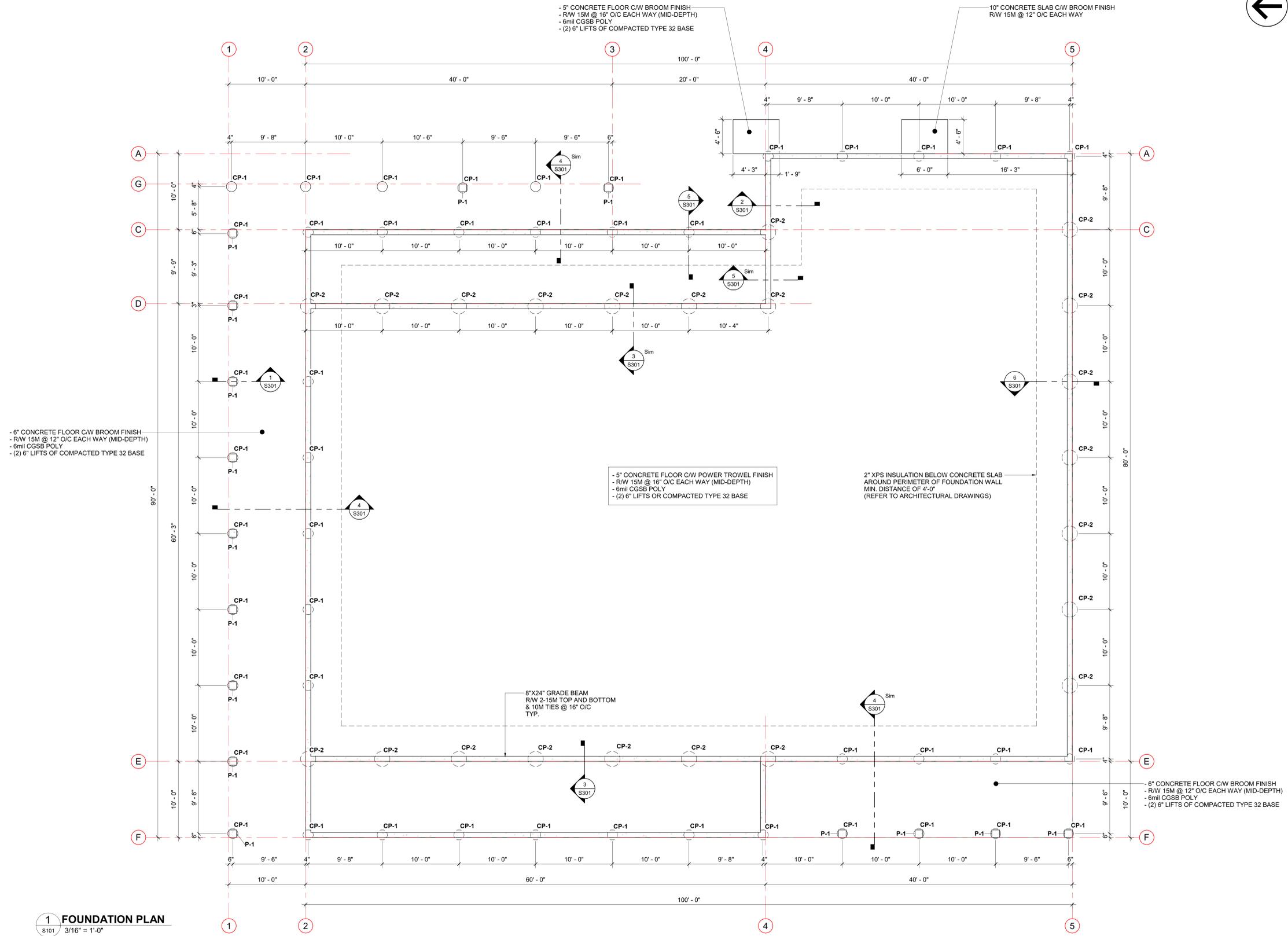
- ALL LINTELS & DIMENSIONAL JOIST SHALL BE SPECIES GROUP "D" S-P-F #1 & #2 UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- ALL STRUCTURAL SAWN LUMBER, NAILING, & CONNECTIONS SHALL BE IN ACCORDANCE WITH CSA STANDARD 086.1.
- ALL METAL STRAPS, JOIST HANGERS, TRUSS ANCHORS ETC. SHALL BE MINIMUM 18 GAUGE HOT-DIPPED GALVANIZED METAL.
- ALL METAL FASTENERS SHALL BE GALVANIZED UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- FASTENERS SHALL BE MINIMUM 3.3mm x 75mm (10d X 3") COMMON NAILS, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE TREATED IN ACCORDANCE WITH CSA 0121-M1978 STANDARD OR HAVE AN APPROVED BARRIER TO FABRICATION.
- ALL EXTERIOR SHEATHING SHALL BE EITHER DOUGLAS FIR PLYWOOD EXTERIOR GRADE TO CSA 0121-M1978 STANDARD, SPRUCE PLYWOOD TO CSA 0151-M1978, OR OSB PANEL TO CSA 0437-93.
- SPENITE OR WATER BOARD IS NOT PERMITTED TO BE USED FOR ANY STRUCTURAL APPLICATIONS ON THIS PROJECT.
- ALL BUILT-UP WOOD COLUMNS TO BE CONSTRUCTED ACCORDING TO NBC 2015 9.1.4.2.
- ALL FASTENERS TO BE GALVANIZED AND INSTALLED ACCORDING TO NBC 2015 9.2.3.
- PROVIDE 18 GAUGE GALVANIZED METAL TIE-DOWN ANCHORS BOTH ENDS ALL TRUSSES IF NOT SPECIFIED BY TRUSS MANUFACTURER.
- PROVIDE CAST-IN-PLACE ANCHOR BOLTS AT 915mm (36") O/C FOR ALL EXTERIOR WALLS. ANCHOR BOLTS SHALL BE EMBEDDED 200mm (8") AND HAVE A MINIMUM 8mm (5/16") DIA. AND 64mm (2 1/2") DIA. DOUBLE NUT AT THE EMBEDDED END.
- PROVIDE SHOP DRAWINGS SIGNED AND SEALED BY PRE-ENGINEERED ROOF TRUSSES ENGINEER REGISTERED IN THE PROVINCE OF ALBERTA AND HOLDS A CURRENT PERMIT TO PRACTICE WITH A CSA ENGINEERED FRAMING SYSTEM ENGINEER IS RESPONSIBLE FOR THE DESIGN AND DETAILING OF ALL WOOD TRUSSES AND CONNECTIONS.
- ALL BRIDGING & GENERAL BRACING FOR TRUSSES SHALL BE THE RESPONSIBILITY OF THE TRUSS SUPPLIER & SHALL BE CLEARLY SHOWN ON THE TRUSS SHOP DRAWINGS.
- STRUCTURAL ELEMENTS WITHIN THIS DESIGN SHALL NOT BE CUT OR MODIFIED ON SITE WITHOUT WRITTEN APPROVAL BY ENGINEER OF RECORD.
- THE CONTRACTOR SHALL COORDINATE OPENING SIZES & LOAD REQUIREMENTS FOR ANY & ALL MECHANICAL & ELECTRICAL EQUIPMENT ON ALL PRE-ENGINEERED FRAMING SYSTEMS.
- DO NOT FILE ROOF SHEATHING ON ROOF DURING CONSTRUCTION.
- ALLOW 1/8" SPACE BETWEEN PLYWOOD WOOD SHEETS FOR EXPANSION ALL BUILT-UP WOOD COLUMNS & POSTS TO BE CONTINUOUSLY BLOCKED DOWN TO THE FOUNDATION.
- PROVIDE ADDITIONAL STUDS (CRIPPLES) BELOW BEARING POINTS OF BUILT-UP BEAMS & LINTELS. NUMBER OF STUDS TO EQUAL NUMBER OF PILES OF BEAM OR LTEL & LVL/PSLs UNLESS OTHERWISE NOTED ON DRAWINGS.
- PROVIDE CONT. HORIZONTAL SOLID BLOCKING @ MAX. 4'-0" o/c VERTICALLY IN ALL EXTERIOR STUD WALLS.
- MAXIMUM ALLOWABLE DEFLECTION AS NOTED:
 - LIVE LOAD = L/90
 - DEAD LOAD = L/360
 - COLUMNS = L/960

SITE PREPARATION:

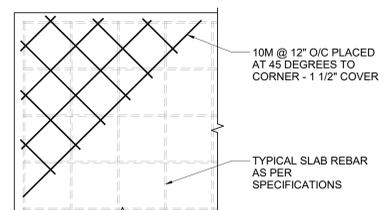
- CONTRACTOR AGREES TO PROVIDE THE LABOUR, EQUIPMENT AND MATERIAL NECESSARY FOR ALL OF THE EXCAVATION AND FILL WORK REQUIRED FOR THE COMPLETION OF THE WORK DESCRIBED WITHIN.
- EXCAVATIONS SHALL BE EXECUTED WITH ACCORDANCE OF THE MOST RECENT REVISION OF THE OCCUPATION HEALTH AND SAFETY CODE OF ALBERTA.
- STRIP AND STOCKPILE TOPSOIL AS PER REGULATIONS OF THE LOCAL JURISDICTION.
- BACKFILL MATERIAL SHALL CONSIST OF CLEAN, WELL GRADED GRANULAR SOILS FREE OF ORGANIC MATERIAL, SILT AND CLAY AS SPECIFIED IN THE EARTH WORKS SPECIFICATION SECTION.
- BACKFILLING SHALL BE CARRIED OUT IN A MAXIMUM LIFTS OF 300 mm (12 INCHES) OF LOOSE FILL, EACH COMPACTED THE STANDARD PROCTOR MAXIMUM DRY DENSITY INDICATED IN THE SPECIFICATIONS.
- DO NOT PLACE BACKFILL AGAINST WALLS RETAINING EARTH (OTHER THAN CANTILEVER WALLS) UNTIL THE WALLS AND THE FLOOR CONSTRUCTION AT TOP AND BOTTOM OF THE WALLS HAVE BEEN CAST AND ATTAINED THEIR DESIGN STRENGTH.
- WHERE BACKFILL IS PLACED ON EACH SIDE OF FOUNDATION WALLS, DO NOT EXCEED A GRADE DIFFERENCE OF 600 mm THROUGHOUT THE PLACEMENT AND COMPACTION OF BACKFILL, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- WHERE THE SLAB ON GRADE IS USED TO TIE THE TOP OF A WALL RETAINING EARTH, THAT WALL SHALL BE ADEQUATELY SHORED UNTIL THE SLAB HAS BEEN CAST AND ATTAINED ITS DESIGN STRENGTH.
- USE LIGHT, HAND-OPERATED COMPACTING EQUIPMENT TO COMPACT BACKFILL ADJACENT TO FOUNDATION WALLS OR RETAINING WALLS.
- EXCAVATED MATERIAL SHALL BE LEGALLY DISPOSED OF, STORED AT THE SITE, OR USED FOR BACKFILLING OPERATIONS AS REQUIRED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERS RECOMMENDATIONS AND PROJECT SPECIFICATIONS.
- IT IS THE RESPONSIBILITY OF CONTRACTOR TO VERIFY THE GEOTECHNICAL INFORMATION AND TO OBTAIN HIS OWN DATA AND TO POINT DISCREPANCIES TO THE CONSULTANT WHERE THEY OCCUR.
- CONTRACTOR SHALL CARRY OUT EXCAVATION, DEWATERING, BACKFILLING, PILING AND FOUNDATION CONSTRUCTION IN ACCORDANCE WITH RECOMMENDATIONS OF SOILS REPORT COMMISSIONED BY THE CONTRACTOR.
- EXCAVATIONS SHALL BE COMPLETED WITHIN THE SAFETY STANDARDS OF THE JURISDICTION. SHOULD SLOPES DIFFER FROM PRINTED VALUES IN THE MOST RECENT REVISION OF THE JURISDICTIONAL OCCUPATIONAL HEALTH AND SAFETY MANUAL, IT MUST BE SIGNED OFF AS "SAFE" BY A LICENSED PROFESSIONAL GEOTECHNICAL ENGINEER PRACTICING WITHIN THE PROVINCE OF THE EXCAVATION.
- KNOWN PUBLIC UTILITY NETWORKS ARE SHOWN TO THE BEST AVAILABLE INFORMATION, BUT CAN NOT BE GUARANTEED. CONTRACTOR SHALL, AT THEIR OWN EXPENSE, AUTHORIZE UTILITY LOCATES AND ACCEPT RESPONSIBILITY FOR EXCAVATION THAT MAY CAUSE DAMAGE TO EXISTING UTILITY.
- CONTRACTOR SHALL MAKE GOOD ANY DAMAGE TO EXISTING FACILITIES, UTILITIES AND INFRASTRUCTURE NOT NOTED ON THE DRAWINGS BUT WITHIN THE WORK AREA.

DELEGATED DESIGN (MANUFACTURED WOOD JOISTS, BEAMS AND TRUSSES):

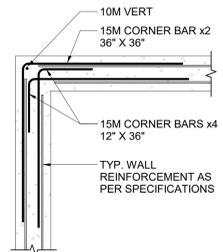
- ALL MANUFACTURED WOOD JOISTS AND TRUSSES TO BE DESIGNED BY SUPPLIER AND THE SHOP DRAWINGS TO BE PROVIDED TO THE STRUCTURAL CONSULTANT FOR REVIEW PRIOR TO FABRICATION, UNLESS NOTED OTHERWISE.
- SHOP DRAWINGS SHALL BE PROVIDED TO THE STRUCTURAL ENGINEER'S SEAL ON ALL PAGES. THIS ENGINEER MUST BE LICENSED IN THE PROVINCE OF JURISDICTION, AND SHALL BE RESPONSIBLE FOR SUPERVISION OF JOISTS / TRUSS FABRICATION AND INSTALLATION (COMPLETE FLOOR / ROOF SYSTEM INCLUDING JOISTS / TRUSSES, HANGERS, BRACING, ETC. TO BE DESIGNED BY SUPPLIER).
- JOIST / TRUSS SUPPLIER SHALL BE RESPONSIBLE FOR ALL FRAMING FOR ADDITIONAL MECHANICAL LOADS AND OPENINGS AS REQUIRED. COORDINATE WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL FOR SIZE & LOCATIONS OF ALL OPENINGS.
- ACCESSORIES: ALL ACCESSORIES REQUIRED FOR ERECTION INCLUDING BRACING, BRIDGING, BLOCKING, METAL BEARING HARDWARE AND CROSS BRACING MUST BE DESIGNED AND SUPPLIED BY JOIST / TRUSS SUPPLIER.
- L/360 FOR ROOF TRUSSES, CANTILEVER JOISTS LIVE LOAD DEFLECTION 2/L360.
- UNLESS OTHERWISE NOTED, JOIST / TRUSS SUPPLIER SHALL BE RESPONSIBLE FOR THE DESIGN OF CONNECTIONS TO TIMBER WALLS AND OTHER MISCELLANEOUS DETAILS.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- SPACING SHOWN ON FRAMING PLANS ARE SUGGESTED ONLY AND MUST BE DESIGNED TO MEET VIBRATION AND DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UNDERSIDE OF THE FLOOR JOIST AND TRUSSES.
- ALL MANUFACTURED JOIST PRODUCTS SHALL BE DESIGNED TO VIBRATION CRITERIA 4.1.1.6 AND 9.2.3.4 OF THE NATIONAL BUILDING CODE OR DESIGNED TO LOCAL CODE REQUIREMENTS, WHICHEVER IS THE MORE STRINGENT.
- DIAPHRAGM REQUIREMENTS.
- JOIST/TRUSS SUPPLIER'S ENGINEER IS TO ACCOUNT FOR ANY STRUCTURAL IMPLICATIONS ASSOCIATED WITH "NON-LOAD BEARING" WALLS CONSTRUCTED TIGHT TO THE UND



1 FOUNDATION PLAN
S101 3/16" = 1'-0"



CORNER SLAB REINF.
Scale: NTS



CORNER WALL REINF.
Scale: NTS

CONCRETE PILE SCHEDULE

NOTE: REFER TO GEOTECHNICAL REPORT BY DYNAMIC EARTH SOLUTIONS INC. FILE No. 1013

I.D.	DIAMETER	LENGTH	REINFORCEMENT	QTY
CP-1	1'-4"	26'-6"	6-15M VERTICALS, 10M TIES @ 16" O/C (TOP 4 @ 4" O/C)	46
CP-2	2'-0"	28'-3"	8-20M VERTICALS, 10M TIES @ 16" O/C (TOP 4 @ 4" O/C)	22
Grand total:				68

PILE CAP SCHEDULE

I.D.	PILASTER SIZE			DEPTH	REINFORCEMENT	QTY
	W	L	L			
P-1	1'-0"	1'-0"	2'-0"	2'-0"	R/W 4 - 15M VERTICALS & 4 - 10M TIES	15
Grand total:						15

REV	DESCRIPTION	DATE
1	ISSUED FOR TENDER	2025.02.14

SEALS:

PROFESSIONAL ENGINEER
CFI ENGINEERING AND CONSULTING LTD.
NUMBER 2234
Dr. Jason Gilchuk
Saskatchewan
2025

GENERAL NOTES

- PRIOR TO PROCEEDING WITH CONSTRUCTION THE OWNER/CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND VERIFY ALL INFORMATION, DIMENSIONS AND SPECIFICATIONS OF THIS PLAN AND DESIGN & BUILDING PERMITS FROM THE APPLICABLE JURISDICTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE DRAFTSMAN BEFORE CONSTRUCTION COMMENCES.
- BUILDING GRADE ELEVATIONS ARE SUGGESTED ONLY AND MAY HAVE TO BE REVISED TO SUIT EXACT SITE CONDITIONS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA, CURRENT EDITION AND THE AUTHORITY HAVING JURISDICTION.
- WINDOW SIZES & LOCATIONS SHALL BE CONFIRMED BY THE OWNER.
- UTILITY COMPANIES SHALL BE CONTACTED TO LOCATE ALL UNDERGROUND SERVICES PRIOR TO ANY EXCAVATING COMMENCING.

ABBREVIATIONS

TO = TOP OF
BO = BOTTOM OF
L/S = LEANED SIDE
MDF = MEDIUM DENSITY FIBREBOARD
OSB = ORIENTED STRAND BOARD
P.T. = PRESSURE TREATED
KD = KNOCK DOWN
HCW = HOLLOW CORE WOOD
SCW = SOLID CORE WOOD
ICF = INSULATED CONCRETE FORM
PS = PRESSURE STEEL
MI = METAL INSULATED

S.P.F. = SPRUCE PINE FIR
C/W/L = OPEN WEB WOOD JOIST
TAG = TONGUE AND GROOVE
R/W = REINFORCED WITH
GB = GRASS BEAM
CONC = CONCRETE
CON = CONCRETE
WU = WOOD
BU = BUILT UP
N.B.C. = NATIONAL BUILDING CODE
HSS = HOLLOW STRUCTURAL STEEL
CMT = CASTLEVIEW

GOOD SPIRIT BIBLE CAMP DINING HALL BUILDING

GOOD SPIRIT LAKE, SASKATCHEWAN

TITLE: **FOUNDATION PLAN**

DRAWN BY: **JJD**

DATE: **FEBRUARY 2025**

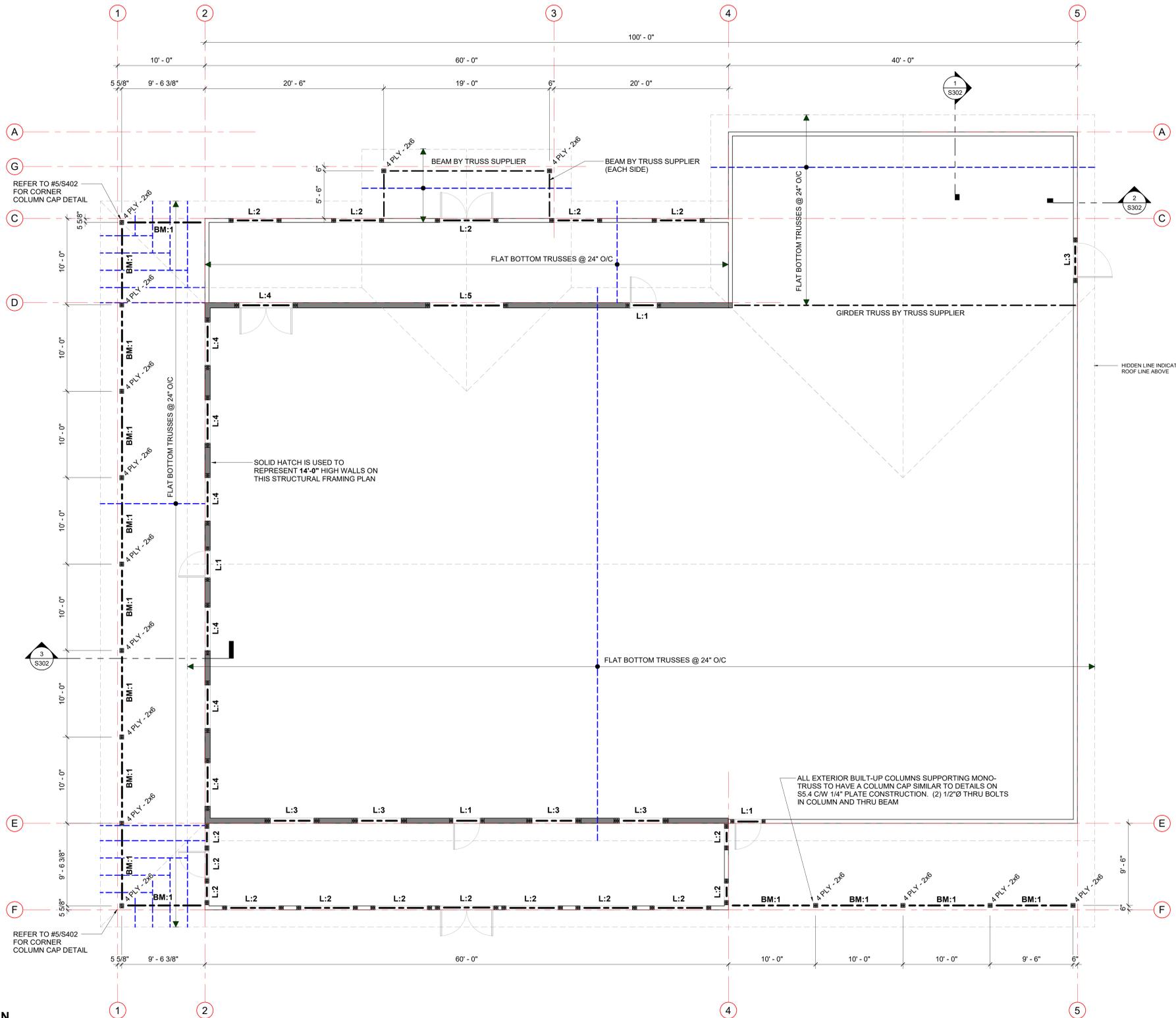
FILE NO: **SK013.1011**

SCALE: **AS SHOWN**

SHEET NO: **S101**



CONSULTANT:



REFER TO #5/S402 FOR CORNER COLUMN CAP DETAIL

SOLID HATCH IS USED TO REPRESENT 14'-0\"/>

ALL EXTERIOR BUILT-UP COLUMNS SUPPORTING MONO-TRUSSES TO HAVE A COLUMN CAP SIMILAR TO DETAILS ON S5.4 C/W 1/4\"/>

HIDDEN LINE INDICATES ROOF LINE ABOVE

1 STRUCTURAL PLAN
S102 3/16\"/>

LINTEL SCHEDULE				
I.D.	LINTEL	GRADE	QTY	BUILT-UP COLUMN (SPF #2 or BETTER)
L:1	(3) 2x10	SPF #2 or BETTER	4	4 Ply (2 JACK, 2 KING)
L:2	(2) 2x12	SPF #2 or BETTER	17	4 Ply (2 JACK, 2 KING)
L:3	(3) 1-3/4\"/>			

BEAM SCHEDULE			
I.D.	BEAM	GRADE	QTY
BM:1	(4) 1-3/4\"/>		

TALL WALL SCHEDULE	
PLACEMENT	COMMENTS
UP TO 10'-9\"/>	

ROOF NOTES

- BUILDING ROOF CONSTRUCTION:
 - 5/8\"/>
- TRUSSES TO BE ENGINEERED AND SEALED BY AN ENGINEER REGISTERED IN THE PROVINCE OF SASKATCHEWAN.

DESIGN LOADS (ROOF):

DEAD LOAD = 20 PSF = 0.96 kPa
 SNOW LOAD = 43.8 PSF = 2.1 kPa
 NET UPLIFT = 20 PSF = 0.96 kPa

REV	DESCRIPTION	DATE
1	ISSUED FOR TENDER	2025.02.14

SEALS:

Professional Engineer
 Association of Professional Engineers & Geoscientists of Saskatchewan
 CREDENTIALED OR AUTHORIZED:
CFI ENGINEERING AND CONSULTING LTD.
 MEMBER 6244
 Permit to Practice held by:
 Draughting: SK Reg. No. [Signature]
 Structural: SK Reg. No. [Signature]

GENERAL NOTES

- PRIOR TO PROCEEDING WITH CONSTRUCTION THE OWNER/CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND VERIFY ALL INFORMATION, DIMENSIONS AND SPECIFICATIONS OF THIS PLAN AND DETAIL A BUILDING PERMIT FROM THE APPLICABLE JURISDICTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE DRAFTSMAN BEFORE CONSTRUCTION COMMENCES.
- BUILDING GRADE ELEVATIONS ARE SUGGESTED ONLY AND MAY HAVE TO BE REVISED TO SUIT EXACT SITE CONDITIONS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA, CURRENT EDITION AND THE AUTHORITY HAVING JURISDICTION.
- WINDOW SIZES & LOCATIONS SHALL BE CONFIRMED BY THE OWNER - UTILITY COMPANIES SHALL BE CONTACTED TO LOCATE ALL UNDERGROUND SERVICES PRIOR TO ANY EXCAVATING COMMENCING.

ABBREVIATIONS

TO - TOP OF	O.F.F. - OSCEKILAS FIR
BO - BOTTOM OF	S.P.F. - SPRUCE PINE FIR
USE - UNDERSIDE	C.W.L. - OPEN WEB WOOD JOIST
MDF - MEDIUM DENSITY FIBREBOARD	T&G - TONGUE AND GROOVE
OSB - ORIENTED STRAND BOARD	PRE-FIN - PRE-FINISHED
P.T. - PRESSURE TREATED	R/W - REINFORCED WITH
KB - KNOCK DOWN	GB - GIRDER BEAM
HCW - HOLLOW CORE WOOD	CONC - CONCRETE
SCW - SOLID CORE WOOD	CONT - CONTINUOUS
HCM - HOLLOW CORE METAL	W - WOOD
ICF - INSULATED CONCRETE FORM	BU - BUILT UP
PS - PRESSED STEEL	N.B.C. - NATIONAL BUILDING CODE
MI - METAL INSULATED	HSS - HOLLOW STRUCTURAL STEEL
	CAWT - CASTLEVIEW

GOOD SPIRIT BIBLE CAMP DINING HALL BUILDING

GOOD SPIRIT LAKE, SASKATCHEWAN

TITLE: **MAIN FLOOR FRAMING PLAN**

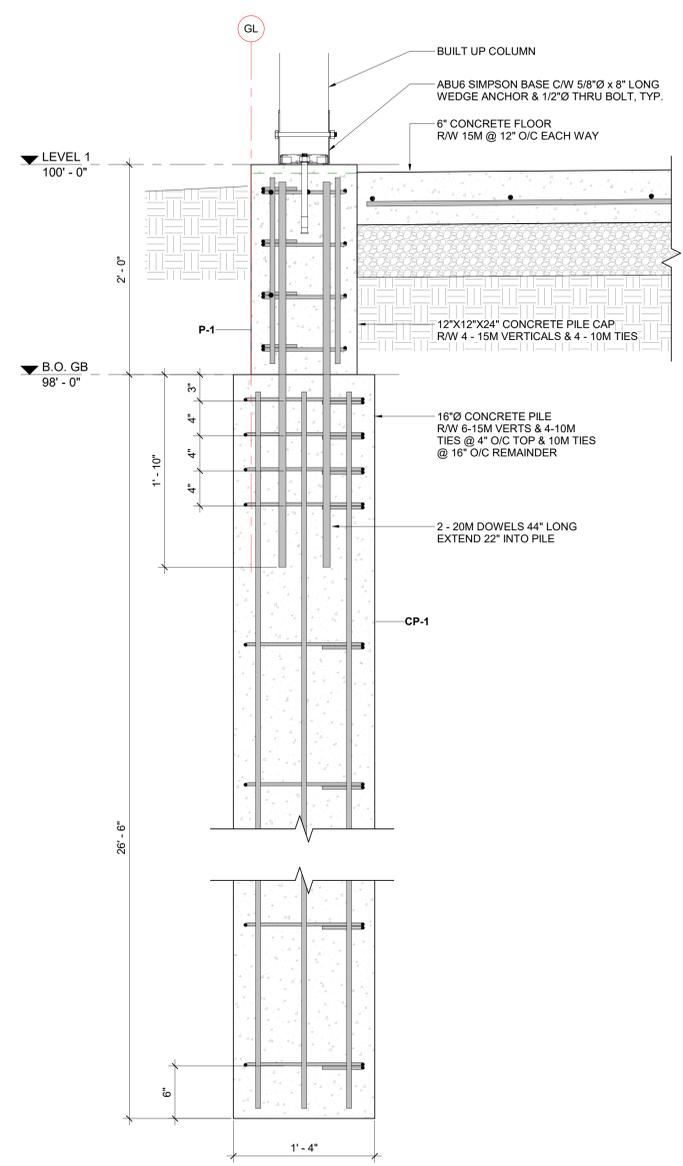
DRAWN BY: **JJD**

DATE: **FEBRUARY 2025**

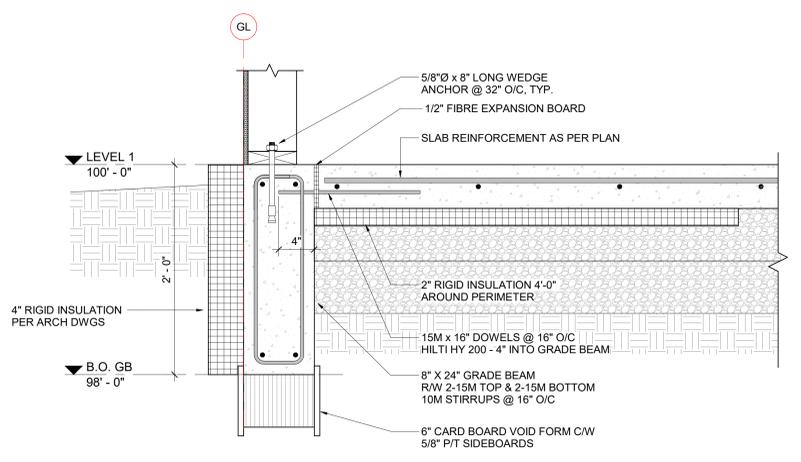
FILE NO: **SK013.1011**

SCALE: **AS SHOWN**

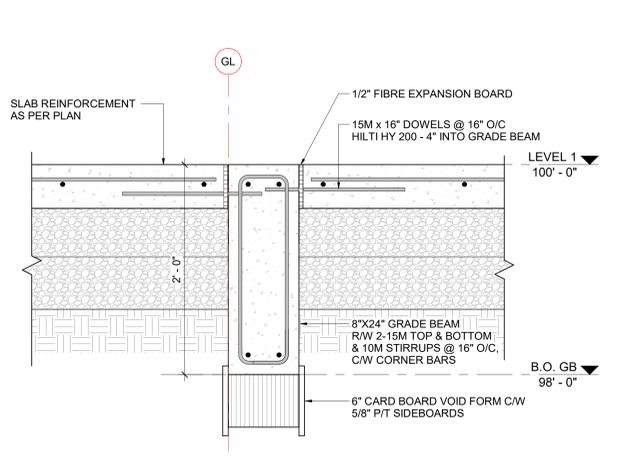
SHEET NO: **S102**



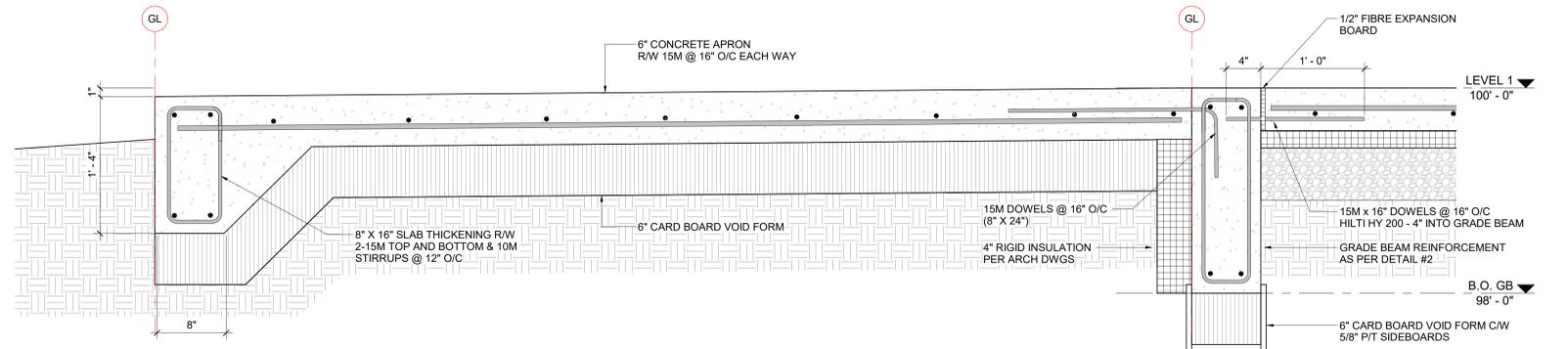
1 EXTERIOR PILE CAP AND CONCRETE PILE DETAIL, TYP.
S301 1 1/2" = 1'-0"



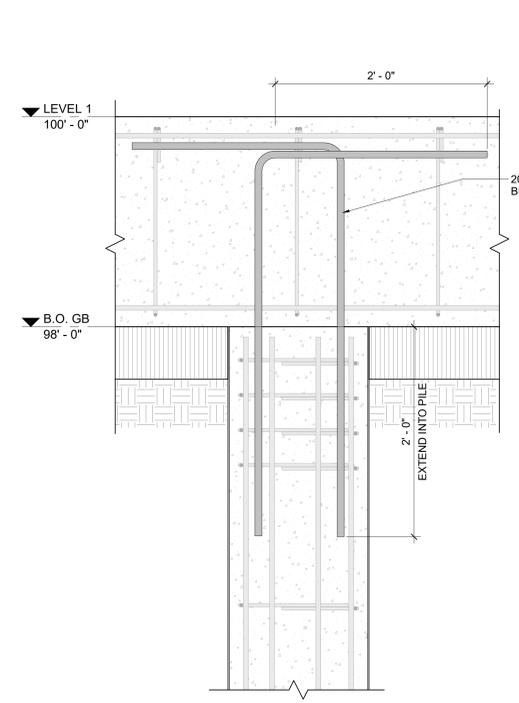
2 EXTERIOR GRADE BEAM, TYP.
S301 1 1/2" = 1'-0"



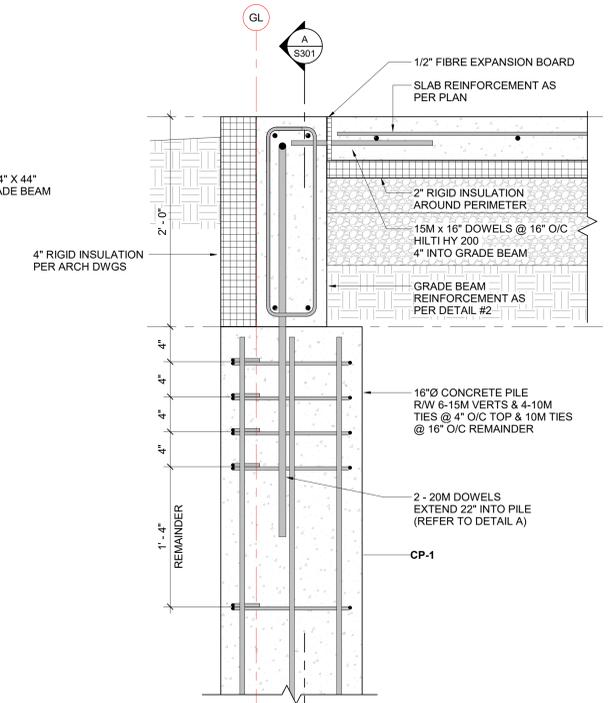
3 INTERIOR GRADE BEAM, TYP.
S301 1 1/2" = 1'-0"



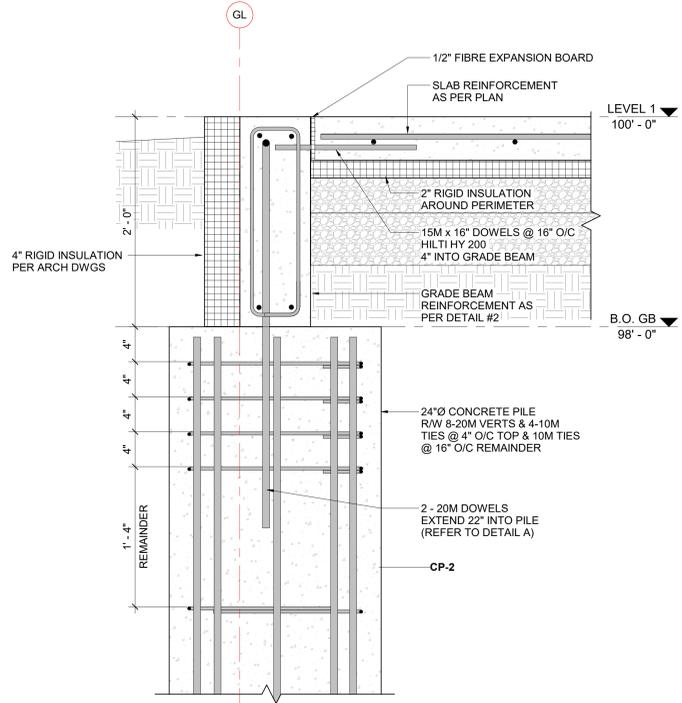
4 CONCRETE APRON DETAIL, TYP.
S301 1 1/2" = 1'-0"



A DOWEL INTO GB DETAIL, TYP.
S301 1 1/2" = 1'-0"



5 CONCRETE PILE (CP-1) DETAIL, TYP.
S301 1 1/2" = 1'-0"



6 CONCRETE PILE (CP-2) DETAIL, TYP.
S301 1 1/2" = 1'-0"

REV	DESCRIPTION	DATE
1	ISSUED FOR TENDER	2025.02.14

REV	DESCRIPTION	DATE
-----	-------------	------

SEALS:

PROFESSIONAL ENGINEER
C. F. I. ENGINEERING AND CONSULTING LTD.
REGISTERED PROFESSIONAL ENGINEER
SASKATCHEWAN

GENERAL NOTES

- PRIOR TO PROCEEDING WITH CONSTRUCTION THE OWNER/CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND VERIFY ALL INFORMATION, DIMENSIONS AND SPECIFICATIONS OF THIS PLAN AND DESIGN & BUILDING PERMITS FROM THE AUTHORITY HAVING JURISDICTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE DRAFTSMAN BEFORE CONSTRUCTION COMMENCES.
- BUILDING GRADE ELEVATIONS ARE SUGGESTED ONLY AND MAY HAVE TO BE REVISED TO FIT EXACT SITE CONDITIONS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA, CURRENT EDITION AND THE AUTHORITY HAVING JURISDICTION.
- UTILITY COMPANIES SHALL BE CONTACTED TO LOCATE ALL UNDERGROUND SERVICES PRIOR TO ANY EXCAVATING COMMENCING.

ABBREVIATIONS

GL - GROUND LEVEL
TOP - TOP OF
B.O. - BOTTOM OF
U/S - UNDERSIDE
MDF - MEDIUM DENSITY FIBREBOARD
OSB - ORIENTED STRAND BOARD
P.T. - PRESSURE TREATED
KD - KNOCK DOWN
HCW - HOLLOW CORE WOOD
SCW - SOLID CORE WOOD
HCF - HOLLOW CORE METAL
PS - PRESSURE STEEL
MI - METAL INSULATED

O.F.S. - OSB/AS FIB
S.P.F. - SPRUCE PINE FIR
COWAL - CROWN WEED WOOD JOIST
TAG - TONGUE AND GROOVE
R/W - REINFORCED WITH
GB - GRADE BEAM
CONC - CONCRETE
CONF - CONFINEMENT
W - WOOD
BU - BUILT UP
N.B.C. - NATIONAL BUILDING CODE
HSS - HOLLOW STRUCTURAL STEEL
CANT - CANTILEVER

**GOOD SPIRIT BIBLE CAMP
DINING HALL BUILDING**

GOOD SPIRIT LAKE, SASKATCHEWAN

TITLE: FOUNDATION DETAILS

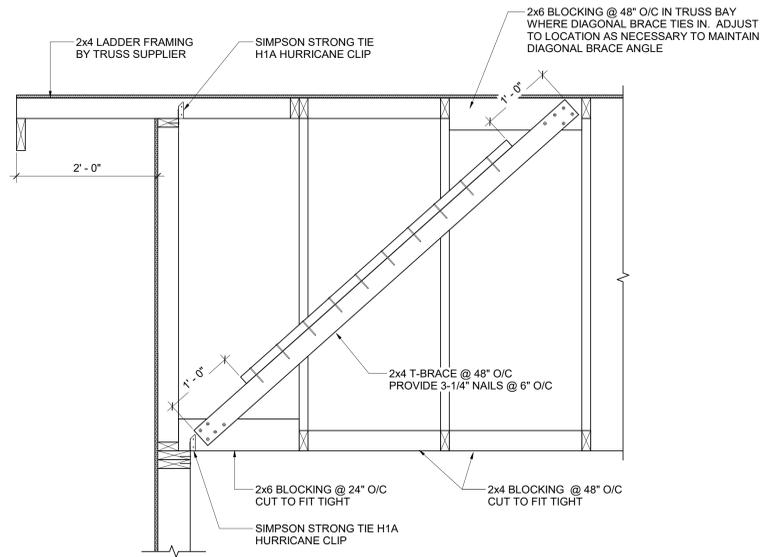
DRAWN BY: JJD

DATE: FEBRUARY 2025

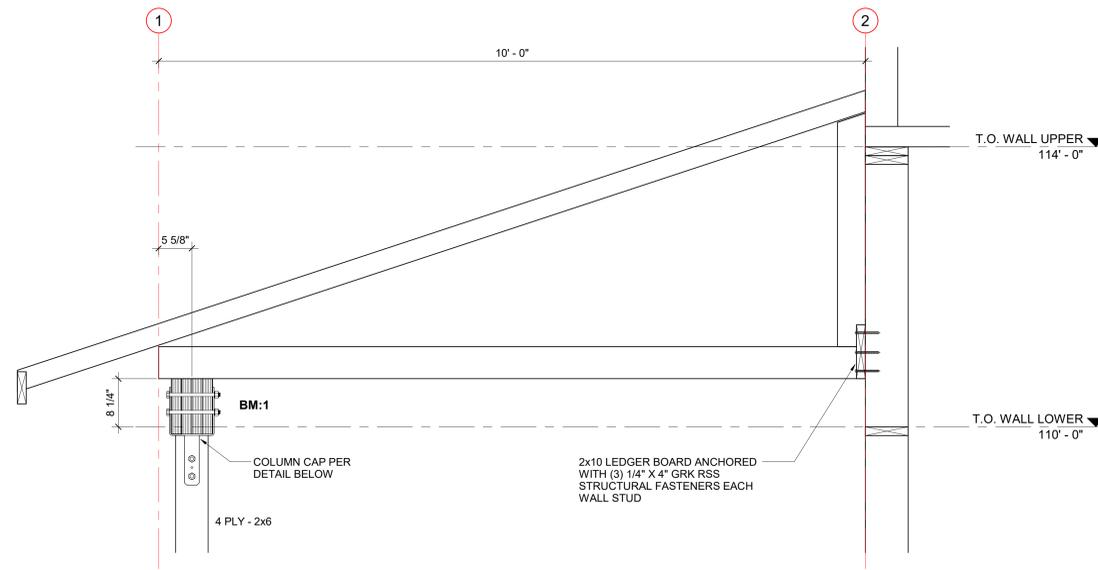
FILE NO: SK013.1011

SCALE: AS SHOWN

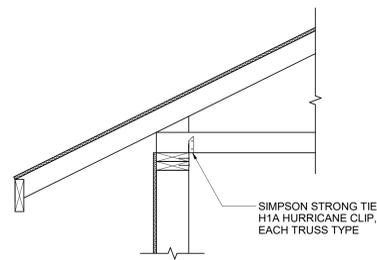
SHEET NO: S301



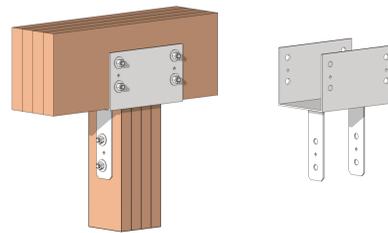
1 GABLE END DETAIL, TYP.
S302 1" = 1'-0"



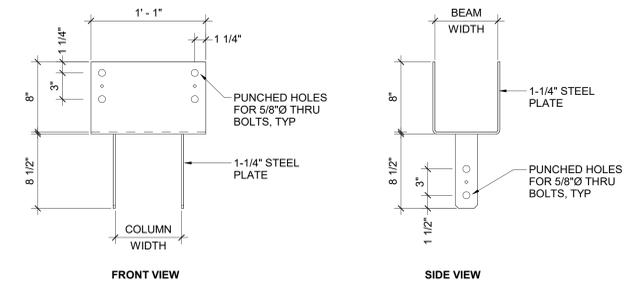
3 ROOF CANOPY DETAIL
S302 1" = 1'-0"



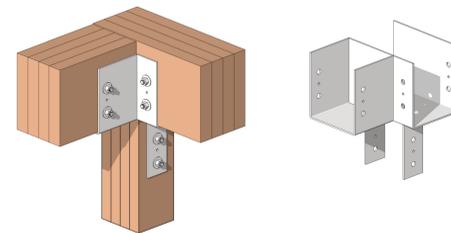
2 TRUSS END DETAIL, TYP.
S302 1" = 1'-0"



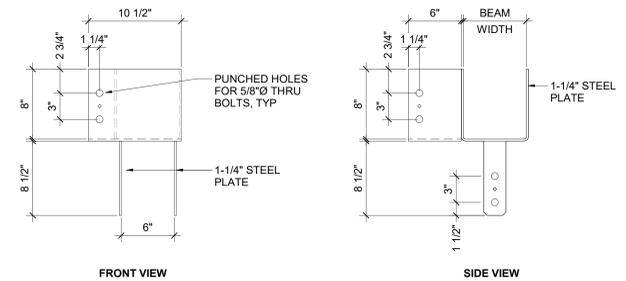
4a COLUMN CAP - 3D
S302



4 COLUMN CAP DETAIL
S302 1 1/2" = 1'-0"



5a CORNER COLUMN CAP - 3D
S302



5 CORNER COLUMN CAP DETAIL
S302 1 1/2" = 1'-0"

REV	DESCRIPTION	DATE
1	ISSUED FOR TENDER	2025.02.14

SEALS:



GENERAL NOTES
- PRIOR TO PROCEEDING WITH CONSTRUCTION THE OWNER/CONTRACTOR SHALL BE RESPONSIBLE TO CHECK AND VERIFY ALL INFORMATION, DIMENSIONS AND SPECIFICATIONS OF THIS PLAN AND DESIGN & BUILDING PERMITS FROM THE AUTHORITY HAVING JURISDICTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE DRAFTSMAN BEFORE CONSTRUCTION COMMENCES.
- BUILDING GRADE ELEVATIONS ARE SUGGESTED ONLY AND MAY HAVE TO BE REVISED TO FIT EXACT SITE CONDITIONS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING CODE OF CANADA, CURRENT EDITION AND THE AUTHORITY HAVING JURISDICTION.
- WINDOW SIZES & LOCATIONS SHALL BE CONFIRMED BY THE OWNER.
- UTILITY COMPANIES SHALL BE CONTACTED TO LOCATE ALL UNDERGROUND SERVICES PRIOR TO ANY EXCAVATING COMMENCING.

ABBREVIATIONS
T.O. = TOP OF
B.O. = BOTTOM OF
U.S. = UNDERSIDE
MDF = MEDIUM DENSITY FIBREBOARD
OSB = ORIENTED STRAND BOARD
P.T. = PRESSURE TREATED
KD = KNOCK DOWN
HCW = HOLLOW CORE WOOD
SCW = SOLID CORE WOOD
ICF = INSULATED CONCRETE FORM
PS = PRESSED STEEL
MI = METAL INSULATED
S.P.F. = SPRUCE PINE FIR
CWGL = CROWN MOULD JOIST
TAG = TONGUE AND GROOVE
PRE = PRE-FINISHED
RW = REINFORCED WITH
GB = GRASS BEAM
CONC = CONCRETE
CONF = CONTINGUES
WU = WOOD
BU = BUILT UP
N.B.C. = NATIONAL BUILDING CODE
HSS = HOLLOW STRUCTURAL STEEL
CANT = CANTILEVER