Part 2 — Technical Requirements

NRCB Natural Resources Conservation Board

Application under the *Agricultural Operation Practices Act* for a confined feeding operation, manure collection area, and/or manure storage facility(ies)

NRCB USE ONLY	Application number	Legal land description
☒ Approval ☐ Registration ☐ Authorization ☐ Amendment	LA25061	SE 23-25-21 W4M

APPLICATION DISCLOSURE

This information is collected under the authority of the *Agricultural Operation Practices Act* (AOPA), and is subject to the provisions of the *Freedom of Information and Protection of Privacy Act*. This information is public unless the NRCB grants a written request that certain sections remain private.

Any construction prior to obtaining an NRCB permit is an offence and is subject to enforcement action, including prosecution.

I, the applicant, or applicant's agent, have read and understand the statements above, and I acknowledge that the information provided in this application is true to the best of my knowledge.

07/23/2025
Date of signing

[redacted]
Signature

Standard Hutterian Brethern
Corporate name (if applicable)

Lawrence Mandel
Print name

GENERAL INFORMATION REQUIREMENTS

Proposed facilities: list all proposed confined feeding operation facilities and their dimensions. Indicate whether any of the proposed facilities are additions to existing facilities. (attach additional pages if needed)

Proposed facilities	Dimensions (m) (length, width, and depth)
Layer Barn	109 m x 28 m
Solid manure storage	21.3 m x 15.2 m
office, egg storage	24.2 m x 24.4 m

Existing facilities: list **ALL** existing confined feeding operation facilities and their dimensions

Existing facilities	Dimensions (m) (length, width, and depth)	NRCB USE ONLY
Lagoon cell 1	120 x 325 x 10 feet	
Cell 2	260 x 115 x 14 feet	
Hogs Barn 1	132 x 21 meters	

NRCB USE ONLY

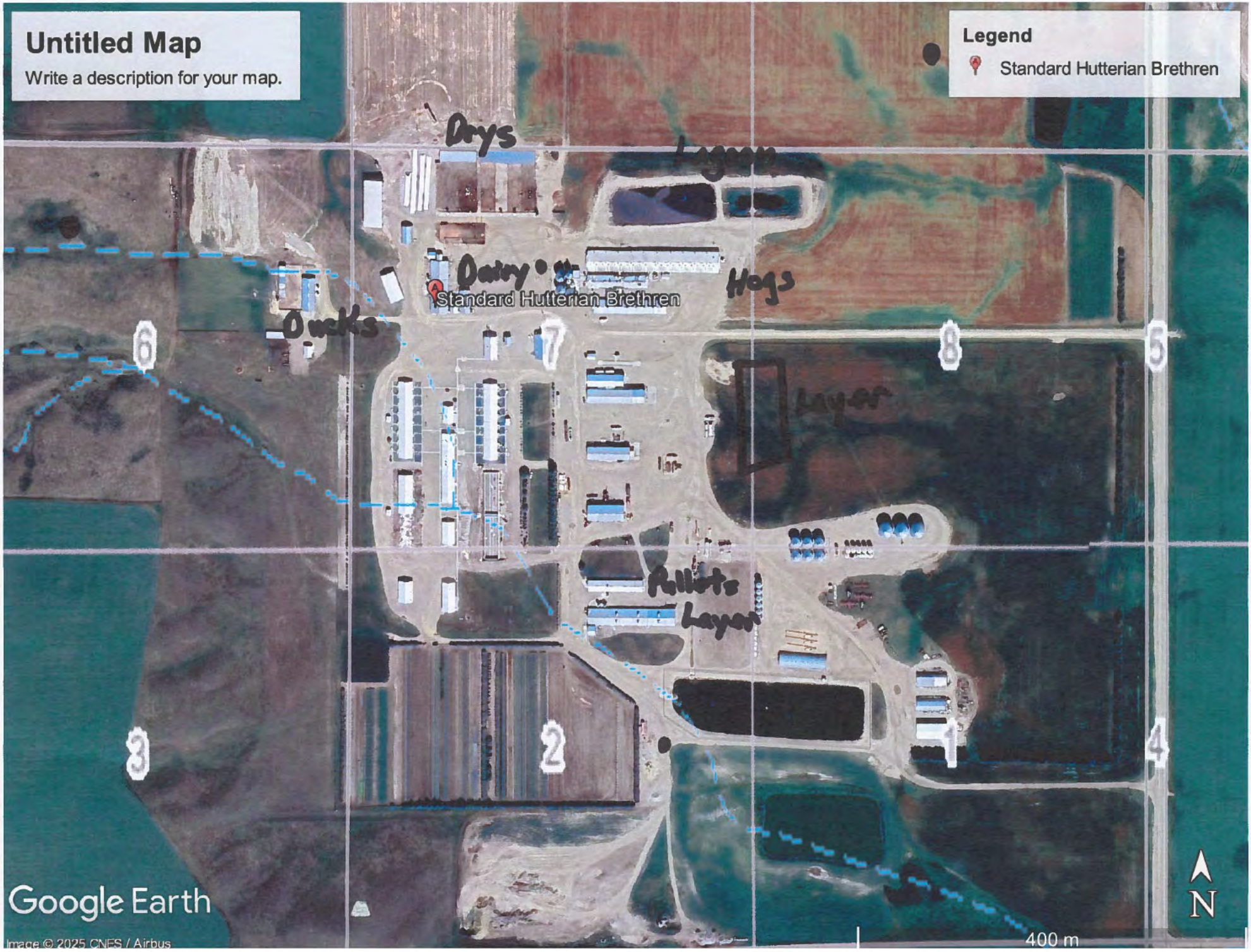
Last updated September 11, 2023

Part 2 — Technical Requirements

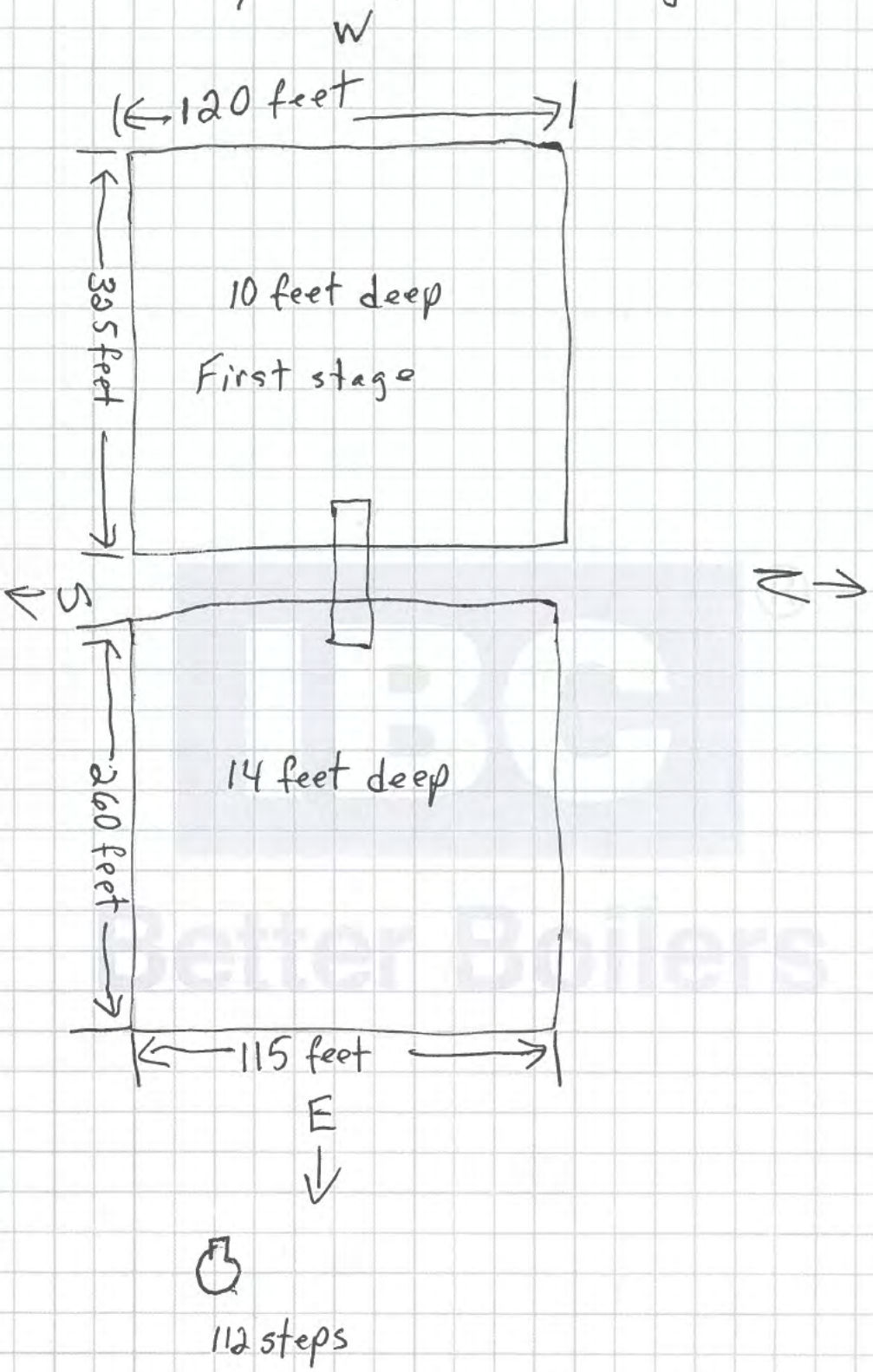
NRCB Natural Resources Conservation Board

Application under the *Agricultural Operation Practices Act* for a confined feeding operation, manure collection area, and/or manure storage facility(ies)

Existing facilities continued	Dimensions (m) (length, width, and depth)	NRCB USE ONLY
Hog barn 2	60 x 13 meters	
" " 3	73 x 14 "	
Dairy	19 x 53 "	
Calf barn	100 x 30 feet	
Holding Area	45 x 19 meters	
Dry Area (with shelter)	50 x 100 u to 95 x 13	
Pullet barn	11 m x 54 m	
Layers	87 m x 15 m	
Ducks	31 m x 12 m	


Untitled Map
Write a description for your map.
Legend
Standard Hutterian Brethren
Drys
Lagoon
Dairy
Standard Hutterian Brethren
Hogs
Ducks
6
7
8
5
Layer
Pullets
Layer
3
2
1
4
Google Earth
Image © 2025 CNES / Airbus
400 m
N

Dairy & Hog Manure Lagoon



Part 2 — Technical Requirements

NRCB Natural Resources Conservation Board

Application under the *Agricultural Operation Practices Act* for a confined feeding operation, manure collection area, and/or manure storage facility(ies)

If a new facility is replacing an old facility, please explain what will happen to the old facility and when. ☐ **N/A**

Decomissten the pullet barn

Construction completion date for proposed facilities Dec 2027

Additional information

Livestock numbers: Complete only if livestock numbers are different from what was identified in the Part 1 application. Note: if livestock numbers increase in your Part 2 application, a new Part 1 application must be submitted which may result in a loss of priority for minimum distance separation (MDS).

Livestock category and type (Available in the Schedule 2 of the Part 2 Matters Regulation)	**Permitted number**	**Proposed increase or decrease in number (if applicable)**	**Total**

Part 2 — Technical Requirements

NRCB | Natural Resources Conservation Board

Application under the *Agricultural Operation Practices Act* for a confined feeding operation, manure collection area, and/or manure storage facility(ies)

DECLARATION AND ACKNOWLEDGMENT OF APPLICANT CONCERNING *WATER ACT* LICENCE
issued by Alberta Environment and Protected Areas (EPA) for a confined feeding operation (CFO)
Date and sign one of the following four options

OPTION 1: Applying through the NRCB for both the AOPA permit and the *Water Act* licence

I **DO** want my water licence application coupled to my AOPA permit application.

Signed this ____day of _____, 20____. _____
Signature of Applicant or Agent

OPTION 2: Processing the AOPA permit and *Water Act* licence separately

1. I (we) acknowledge that the CFO will need a new water licence from EPA under the *Water Act* for the development or activity proposed in this AOPA application.
2. I (we) request that the NRCB process the AOPA application **independently of** EPA's processing of the CFO's application for a water licence.
3. In making this request, I (we) recognize that, if this AOPA application is granted by the NRCB, the NRCB's decision will not be considered by EPA as improving or enhancing the CFO's eligibility for a water licence under the *Water Act*.
4. I (we) acknowledge that any construction or actions to populate the CFO with livestock pursuant to an AOPA permit in the absence of a *Water Act* licence will **not** be relevant to EPA's consideration of whether to grant the *Water Act* licence application.
5. I (we) acknowledge that any such construction or livestock populating will be at the CFO's sole risk if the *Water Act* licence application is denied or if the operation of the CFO is otherwise deemed to be in violation of the *Water Act*. This risk includes being required to depopulate the CFO and/or to cease further construction, or to remove "works" or "undertakings" (as defined in the *Water Act*).
6. **AS RELEVANT:** I (we) acknowledge that the CFO is located in the South Saskatchewan River Basin and that, pursuant to the *Bow, Oldman and South Saskatchewan River Basin Water Allocation Order* [Alta. Reg. 171/2007], this basin is currently closed to new surface water allocations.
7. **Provide:** Water licence application number(s) _____

Signed this ____ day of _____, 20____. _____
Signature of Applicant or Agent

OPTION 3: Additional water licence not required

1. I (we) declare that the CFO will not need a new licence from EPA under the *Water Act* for the development or activity proposed in this AOPA application.
2. **Provide**: Water license number(s) or water conveyance agreement details _____

Signed this ____ day of _____, 20____. _____
Signature of Applicant or Agent

OPTION 4: Uncertain if *Water Act* licence is needed; acknowledgement of risk (for existing CFOs only)

1. At this time, I (we) do not know whether a new water licence is needed from EPA under the *Water Act* for the development or activity proposed in this AOPA application.
2. If a new *Water Act* licence is needed, I (we) request that the NRCB process the AOPA application **independently of** EPA's processing of the CFO's application for a water licence.
3. In making this request, I (we) recognize that, if this AOPA application is granted by the NRCB, the NRCB's decision will not be considered by EPA as improving or enhancing the CFO's eligibility for a water licence under the *Water Act*.
4. I (we) acknowledge that any construction or actions to populate the CFO with additional livestock pursuant to an AOPA permit in the absence of a *Water Act* licence will **not** be relevant to EPA's consideration of whether to grant my *Water Act* licence application, if a new water licence is needed.
5. I (we) acknowledge that any such construction or livestock increase will be at the CFO's sole risk if the *Water Act* licence application is denied or if the operation of the CFO is otherwise deemed to be in violation of the *Water Act*. This risk includes being required to depopulate the CFO and/or to cease further construction, or to remove "works" or "undertakings" (as defined in the *Water Act*).
6. **AS RELEVANT:** I (we) acknowledge that the CFO is located in the South Saskatchewan River Basin and that, pursuant to the *Bow, Oldman and South Saskatchewan River Basin Water Allocation Order* [Alta. Reg. 171/2007], this basin is currently closed to new surface water allocations.
7. **Provide**: Water license number(s) or water conveyance agreement details _____

Signed this 23 day of July, 2025. [redacted]

Signature of Applicant or Agent

Government of Alberta
Environment and Water

LICENCE AMENDMENT

PURSUANT TO THE PROVISIONS OF THE *WATER ACT*

LICENCE No. Dated 1995 03 10

FILE No. 24449-3

PRIORITY No. 1990-02-01-019

AMENDMENT No. 00027147-00-01

Standard Hutterian Brethren
Box 390
Standard, AB T0J 3G0

The licence is amended as follows:

1. The Table in Part B of Interim Licence No. 17076 is deleted and the following TABLE 3-1 is substituted:

TABLE 3-1

WELL NUMBER	LEGAL LAND DESCRIPTION for WELL LOCATION	PRODUCTION INTERVAL (metres below grade)	MAXIMUM PUMP INTAKE DEPTH (metres below grade)	LIMITS	
				MAXIMUM RATE OF DIVERSION (cubic metres per day)	MAXIMUM ANNUAL DIVERSION (cubic metres per year)
PW5-11	SW 23-25-21-W4M	32.3 – 38.1	32.3	125.0	7,272.7
90-02-01-15	SE 23-25-21-W4M	59.5 – 79.3	59.5	65.0	Standby

[redacted]

Designated Director under the Act
Brock Rush, M.Eng., P.Eng.

2012 - 01 - 11
Dated (Y/M/D)

Part 2 — Technical Requirements

NRCB Natural Resources Conservation Board

Application under the *Agricultural Operation Practices Act* for a confined feeding operation, manure collection area, and/or manure storage facility(ies)

GENERAL ENVIRONMENTAL INFORMATION

(complete this section for the worst case of the existing facility which is the closest to water bodies or water wells and for each of the proposed facilities)

Facility description / name *(as indicated on site plan)*

Existing: Hog barn **Proposed 1:** Layer Barn

Proposed 2: _____ **Proposed 3:** _____

Facility and environmental risk information		Facilities				NRCB USE ONLY	
		Existing	Proposed 1	Proposed 2	Proposed 3	Meets requirements	Comments
Flood plain information	What is the elevation of the floor of the lowest manure storage or collection facility above the 1:25 year flood plain or the highest known flood level?	☑ >1 m ☐ ≤ 1 m	☑ >1 m ☐ ≤ 1 m	☐ >1 m ☐ ≤ 1 m	☐ > 1 m ☐ ≤ 1 m	☐ YES ☐ NO ☐ YES with exemption	
Surface water information	How many springs are within 100 m of the manure storage facility or manure collection area?	0	0			☐ YES ☐ NO ☐ YES with exemption	
	How many water wells are within 100 m of the manure storage facility or manure collection area?	1	0			☐ YES ☐ NO ☐ YES with exemption	
	What is the shortest distance from the manure collection or storage facility to a surface water body? (e.g., lake, creek, slough, seasonal)	300	400			☐ YES ☐ NO ☐ YES with exemption	
Groundwater information	What is the depth to the water table?		12			☐ YES ☐ NO ☐ YES with exemption	
	What is the depth to the groundwater resource/aquifer you draw water from?	130 feet				☐ YES ☐ NO ☐ YES with exemption	

Additional information (attach supporting information, e.g. borehole logs, records, etc. you consider relevant to your application)

Alberta

Reconnaissance Report

View in Metric

Export to Excel

Groundwater Wells

Please click the water Well ID to generate the Water Well Drilling Report.

GIC Well ID	LSD	SEC	TWP	RGE	M	DRILLING COMPANY	DATE COMPLETED	DEPTH (ft)	TYPE OF WORK	USE	CHM	LT	PT	WELL OWNER	STATIC LEVEL (ft)	TEST RATE (igpm)	SC_DIA (in)
41565	SE	23	25	21	4	GERRITSEN DRILLING	2002-10-07	94.00	New Well	Domestic		6	68	STANDARD COLONY	45.90	9.60	6.00
112454	SE	23	25	21	4	UNKNOWN DRILLER		150.00	Chemistry	Domestic	1			VALLEY VIEW HLDG			0.00
112455	8	23	25	21	4	M&M DRILLING CO. LTD.	1985-05-22	120.00	New Well	Domestic & Stock		8		STANDARD COLONY #WELL 1	53.00	25.00	0.00
112456	8	23	25	21	4	M&M DRILLING CO. LTD.	1985-05-24	265.00	New Well	Domestic & Stock	3	24		STANDARD COLONY #WELL 2	66.00	15.00	0.00
112457	SE	23	25	21	4	UNKNOWN DRILLER		0.00	Chemistry	Domestic	1			ENTZ, MARTIN			0.00
112458	SE	23	25	21	4	UNKNOWN DRILLER		0.00	Chemistry	Domestic	1			STANDARD HUTTERITE COLONY			0.00
112459	NE	23	25	21	4	GERRITSEN, PETER WATER WELL DRILLING	1974-07-01	140.00	New Well	Domestic & Stock		9		VAMCE, JOHN	48.00	6.00	5.50
112460	16	23	25	21	4	M&M DRILLING CO. LTD.	1983-03-18	120.00	New Well	Domestic		8		RICHARD, LIONEL	21.00	36.00	5.56
112461	NE	23	25	21	4	UNKNOWN DRILLER		120.00	Chemistry	Domestic	1			STANDARD COLONY			0.00
160714	NE	23	25	21	4	UNKNOWN DRILLER		80.00	Chemistry	Domestic	1			STANDARD COLONY			0.00
1476447	6	23	25	21	4	M&M DRILLING CO. LTD.	2011-08-12	140.00	New Well	Domestic & Stock		5	26	STANDARD FARMING COMPANY	78.20	53.00	
1476449	5	23	25	21	4	M&M DRILLING CO. LTD.	2011-08-16	131.00	Piezometer	Monitoring		5		STANDARD FARMING COMPANY			

Part 2 — Technical Requirements

NRCB Natural Resources Conservation Board

Application under the *Agricultural Operation Practices Act* for a confined feeding operation, manure collection area, and/or manure storage facility(ies)

DISTANCE OF ANY MANURE STORAGE FACILITY (EXISTING OR PROPOSED) TO NEIGHBOURING RESIDENCES

			NRCB USE ONLY				
Neighbour name(s)	**Legal land description**	**Distance (m)**	**Zoning (LUB) category**	**MDS category (1-4)**	**Distance (m)**	**Waiver attached (if required)**	**Meets regulations**
Terry Clark	SW Sec 14 Twp 25 W 4th	1 mile					
Acreage	SW 13-25-21 W4	1 mile					

LAND BASE FOR MANURE AND COMPOST APPLICATION (complete only if an increase in livestock or manure production will occur)

				NRCB USE ONLY	
Name of land owner(s)*	**Legal land description**	**Usable area** (ha)**	**Soil zone *****	**Usable area (ha)**	**Agreement attached (if required)**
AO comment: See next page					
			Total		

* If you are **not** the registered landowner, you must attach copies of land use agreements signed by all landowners.

** Available manure spreading area (excluding setback areas from residences, common bodies of water, water wells, etc. as identified in Agdex 096-5 Manure Spreading Regulations)

*** Brown, dark brown, black, grey wooded, or irrigated

Additional information (attach any additional information as required)

Standard Hutterian Brethren Land Locations

SE, NE, NW. Sec. 34 TWP. 25 R. 21 West of the 4th
SE, SW, NE, NW. Sec. 35 TWP. 25 R. 21 West of the 4th
SE, SW, NE, NW. Sec. 36 TWP. 25 R. 21 West of the 4th
NW, Sec. 31 TWP. 25 R. 20 West of the 4th
SE, SW, NE, NW. Sec. 26 TWP. 25 R. 21 West of the 4th
SE, SW, NE, NW. Sec. 25 TWP. 25 R. 21 West of the 4th
SE, SW, NE, NW. Sec. 30 TWP. 25 R. 20 West of the 4th
SE, SW, NE, NW. Sec. 29 TWP. 25 R. 20 West of the 4th
NW, Sec. 31 TWP. 25 R. 20 West of the 4th
SE. NE, Sec. 22 TWP. 25 R. 21 West of the 4th
SE, SW, NE. Sec. 23 TWP. 25 R. 21 West of the 4th
SE, SW, NE, NW. Sec. 24 TWP. 25 R. 21 West of the 4th
SE, SW, NE, NW. Sec. 19 TWP. 25 R. 20 West of the 4th
SE, NE, NW. Sec. 13 TWP. 25 R. 21 West of the 4th
SE, SW, NE, NW. Sec. 18 TWP. 25 R. 20 West of the 4th
SE, SW, NE, NW. Sec. 12 TWP. 25 R. 21 West of the 4th
SE, SW, NE, NW. Sec. 7 TWP. 25 R. 20 West of the 4th
NE, NW. Sec. 8 Twp. 25 R. 20 West of the 4th
SE, NE, NW. Sec. 1 Twp. 25 R. 21 West of the 4th
SW, NE, NW. Sec. 6 Twp. 25 R. 20 West of the 4th
NE, NW. Sec. 5 Twp. 25 R. 20 West of the 4th
SE, SW, NE, NW. Sec. 36 Twp. 23 R. 20 West of the 4th

All
dry land

Part 2 — Technical Requirements

NRCB Natural Resources Conservation Board

Application under the *Agricultural Operation Practices Act* for a confined feeding operation, manure collection area and/or manure storage facility(ies)

SOLID MANURE, COMPOST, & COMPOSTING MATERIALS: Barns, feedlots, & storage facilities - Concrete liner

*(complete a copy of this section for **EACH** barn, feedlot, and storage facility for solid manure, composting materials, or compost with a concrete liner)*

Facility description / name *(as indicated on site plan)* **1.** Layer Barn

2. Solid manure storage

(Added as per email August 7, 2025)

Manure storage capacity

	Length (m)	Width (m)	Depth below grade to the bottom of the liner (m)	**NRCB USE ONLY** Estimated storage capacity (m^3)
1.	358 ' (109 m)	92' (28 m)	0	
2.	21.3 m	15.2 m		
			TOTAL CAPACITY	

☐ I plan to use a short-term solid manure storage (STMS) as part of my manure storage and handling plan for this CFO. The AOPA requirements for STMS are set out in the NRCB Short-Term Solid Manure Storage Requirements Fact Sheet.

Surface water control systems

Describe the run-on and runoff control system

Under Roof

Liner protection

Describe how the physical integrity of the liner will be maintained

check for cracks

NRCB USE ONLY

Requirements met: ☐ YES ☐ NO

Last updated February 26, 2021

Part 2 — Technical Requirements

NRCB Natural Resources Conservation Board

Application under the *Agricultural Operation Practices Act* for a confined feeding operation, manure collection area and/or manure storage facility(ies)

SOLID MANURE, COMPOST, & COMPOSTING MATERIALS: Barns, feedlots, & storage facilities - Concrete liner (cont.)

Concrete liner details

Concrete thickness	Method of sulphate protection:
8 inch	Type 50
Concrete strength	**Concrete reinforcement size and spacing**
28 mpa	rebar 10 mm 16 ioc

Concrete requirements can be found in Technical Guideline Agdex 096-93
Guideline minimums:
Solid manure: 25MPa (D)
Solid manure (wet): 30MPa (C)
Method of sulphate protection:
Type 50 or Type 10 with fly ash or equivalent

NRCB USE ONLY

Requirements met: ☐ YES ☐ NO
Condition required: ☐ YES ☐ NO
Report attached: ☐ YES ☐ NO

Additional information *(attach as required)*

NRCB USE ONLY

Nine month manure storage volume requirements met ☐ YES ☐ YES With STMS ☐ NO

Depth to water table: _____ Requirements met: ☐ YES ☐ NO

Depth to Uppermost groundwater resource: _____ Requirements met: ☐ YES ☐ NO

ERST completed: ☐ see ERST page for details

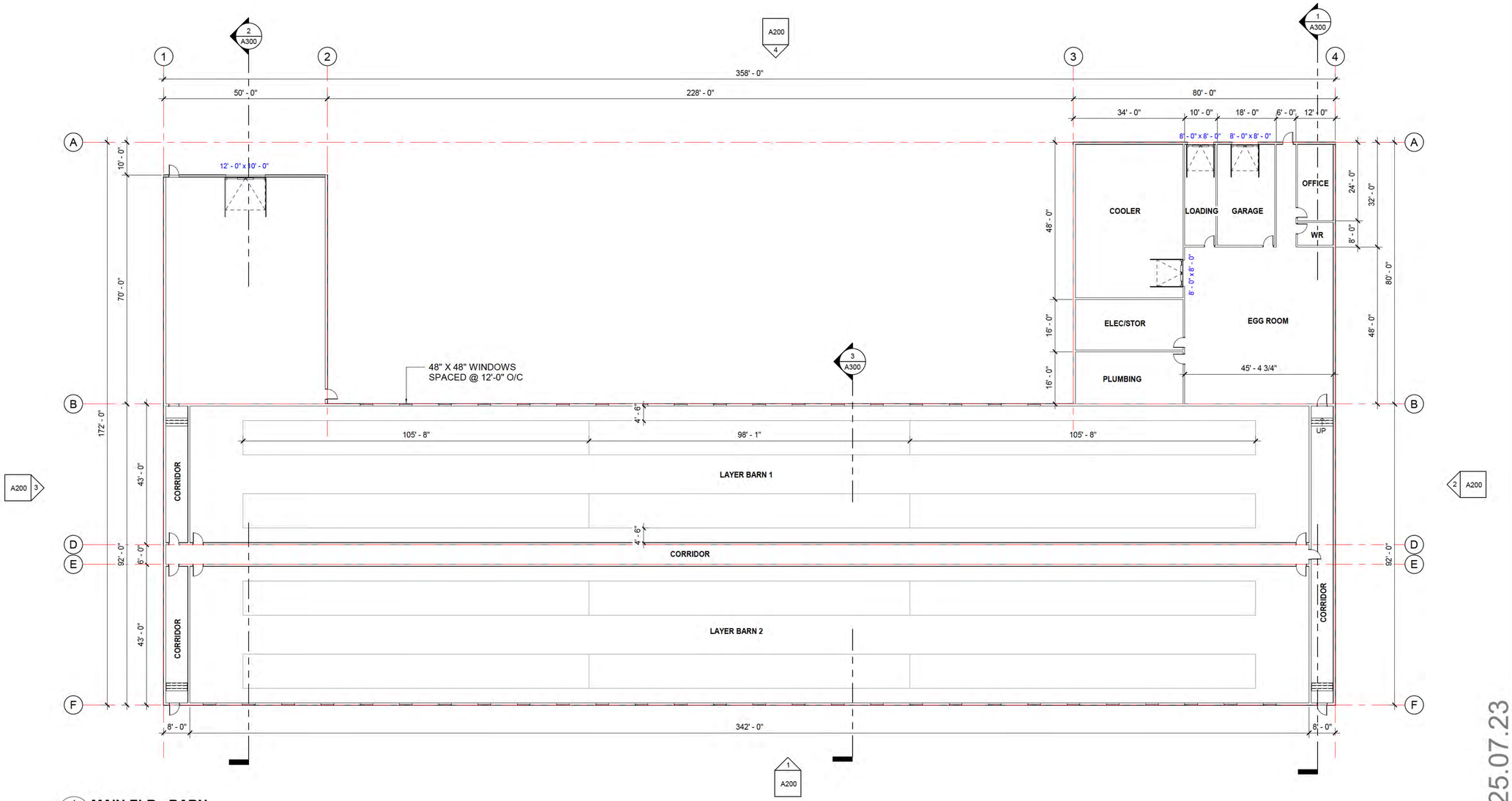
Surface water control systems

Requirements met: ☐ YES ☐ NO Details/comments:

Concrete liner details

Leakage detection system required: ☐ YES ☐ NO If yes, please explain why.

All drawings, design and related documents are the property of CFI Engineering and Consulting Ltd., are protected by copyright, and must be returned on request. Reproduction of drawings and documents in part or in whole is forbidden without the permission of CFI Engineering and Consulting Ltd. Drawings and documents are to be used only for the purpose for which they are issued and are not to be used for construction unless signed by the Engineer. Drawings must not be scaled. The Contractor must cross-reference all architectural, structural, foundation, electrical and mechanical drawings and verify all dimensions, drawings and specifications and locations of existing services. Any discrepancies must be reported to the Engineer prior to proceeding with any part of the work.



1 A110 **MAIN FLR - BARN**
1/16" = 1'-0"

Rev	Description	Date
1	FOR REVIEW	23 Jul 2025

REVISION / ISSUED FOR

CFI
ENGINEERING CONSULTING
Ph. 403.972.0074
www.cfiengineering.ca

PROFESSIONAL SEAL

CLIENT:
STANDARD HUTTERITE COLONY

PROJECT:
LAYER BARN

STANDARD, AB

DRAWING TITLE:
FLOOR PLAN

JOB NO:
AB010.7003

DRAWN BY:	CHECKED:
JJD	KAH

DWG NO.	SCALE:
A110	AS SHOWN

R/I DATE: 23 Jul 2025

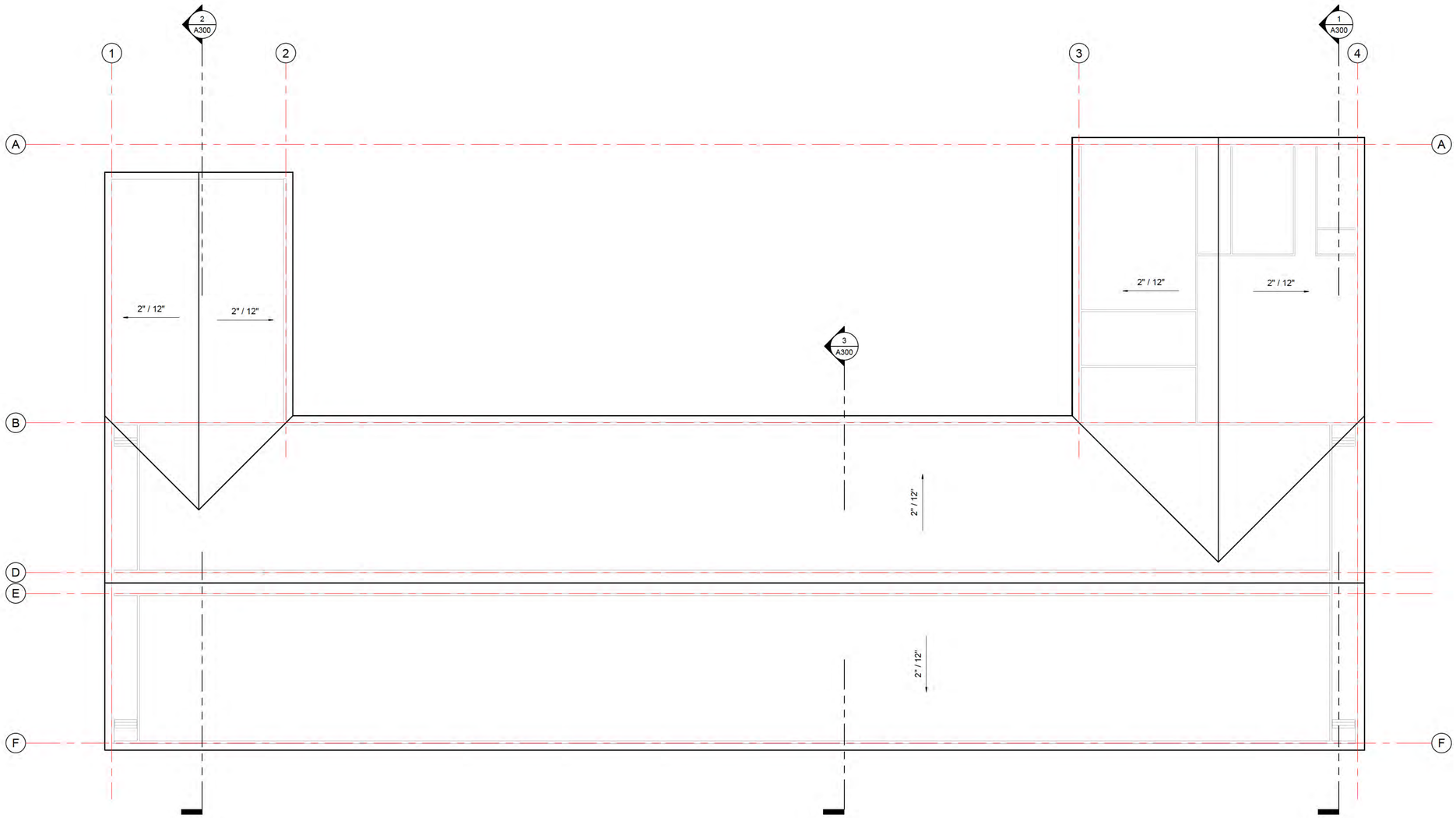
REV: 1 PAGE: 2 / 5

FOR REVIEW - 2025.07.23

2025-07-23 4:01:29 PM

GENERAL ROOF NOTES:
1. ENGINEERED ROOF TRUSSES DESIGNED AND SUPPLIED BY TRUSS MANUFACTURER.
2. TRUSS HOLD DOWNS AND BRACING DESIGNED BY MANUFACTURER.
3. ALL OVERHANGS **2'-0"** UNLESS NOTED OTHERWISE.

N



1 A120 **ROOF PLAN**
1/16" = 1'-0"

All drawings, design and related documents are the property of CFI Engineering and Consulting Ltd., are protected by copyright, and must be returned on request. Reproduction of drawings and documents in part or in whole is forbidden without the permission of CFI Engineering and Consulting Ltd. Drawings and documents are to be used only for the purpose for which they are issued and are not to be used for construction unless signed by the Engineer. Drawings must not be scaled. The Contractor must cross-reference all architectural, structural, foundation, electrical and mechanical drawings and verify all dimensions, drawings and specifications and locations of existing services. Any discrepancies must be reported to the Engineer prior to proceeding with any part of the work.

Rev	Description	Date
1	FOR REVIEW	23 Jul 2025

REVISION / ISSUED FOR

CFI
ENGINEERING CONSULTING
Ph. 403.972.0074
www.cfiengineering.ca

PROFESSIONAL SEAL

FOR REVIEW - 2025.07.23

CLIENT:
STANDARD HUTTERITE COLONY

PROJECT:
LAYER BARN

STANDARD, AB

DRAWING TITLE:
ROOF PLAN

JOB NO:
AB010.7003

DRAWN BY:	CHECKED:
JJD	KAH

DWG NO.
A120

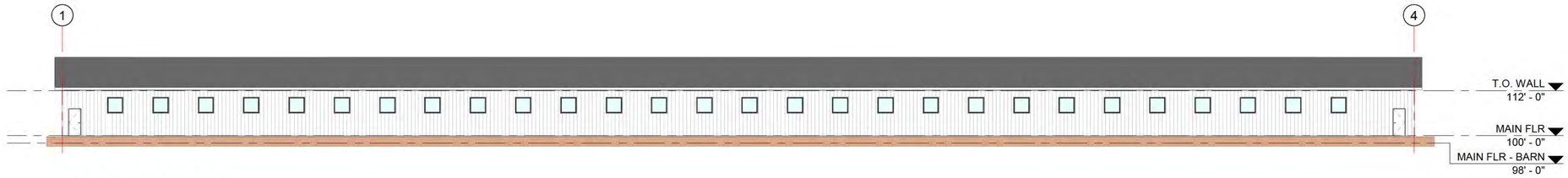
SCALE:
AS SHOWN

R/I DATE:
23 Jul 2025

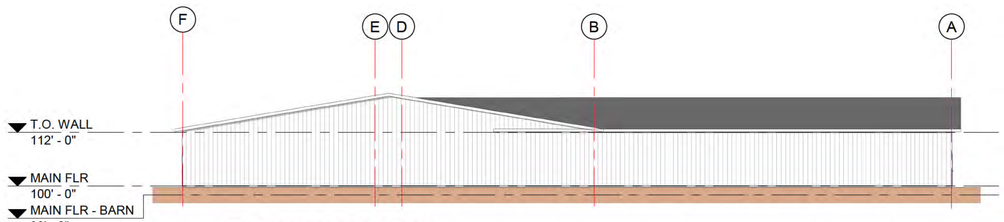
REV: 1 PAGE: 3/5

2025-07-23 4:01:29 PM

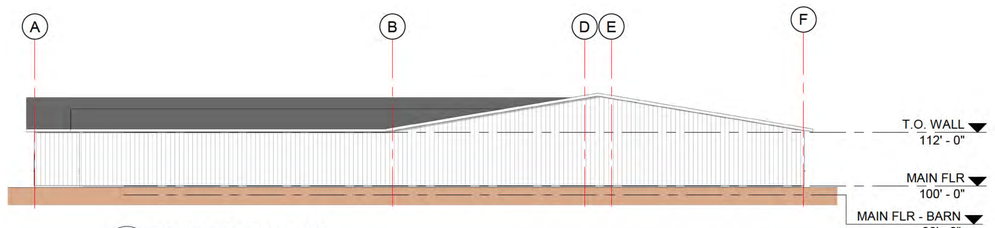
MATERIAL LEGEND	
TAG	FINISH MATERIAL



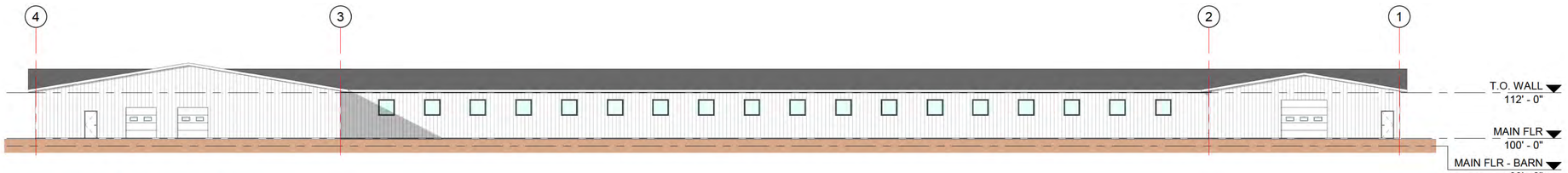
1 A200 **EAST ELEVATION**
1/16" = 1'-0"



2 A200 **NORTH ELEVATION**
1/16" = 1'-0"



3 A200 **SOUTH ELEVATION**
1/16" = 1'-0"



4 A200 **WEST ELEVATION**
1/16" = 1'-0"

All drawings, design and related documents are the property of CFI Engineering and Consulting Ltd., are protected by copyright, and must be returned on request. Reproduction of drawings and documents in part or in whole is forbidden without the permission of CFI Engineering and Consulting Ltd. Drawings and documents are to be used only for the purpose for which they are issued and are not to be used for construction unless signed by the Engineer. Drawings must not be scaled. The Contractor must cross-reference all architectural, structural, foundation, electrical and mechanical drawings and verify all dimensions, drawings and specifications and locations of existing services. Any discrepancies must be reported to the Engineer prior to proceeding with any part of the work.

Rev	Description	Date
1	FOR REVIEW	23 Jul 2025

REVISION / ISSUED FOR

CFI ENGINEERING CONSULTING
Ph. 403.972.0074
www.cfiengineering.ca

PROFESSIONAL SEAL

CLIENT:
STANDARD HUTTERITE COLONY

PROJECT:
LAYER BARN

STANDARD, AB

DRAWING TITLE:
ELEVATIONS

JOB NO:
AB010.7003

DRAWN BY:	CHECKED:
JJD	KAH

DWG NO.
A200

SCALE:
AS SHOWN

R/I DATE:
23 Jul 2025

REV: 1 PAGE: 4/5

FOR REVIEW - 2025.07.23

2025-07-23 1:01:29 PM