

Part 2 – Technical Requirements



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 RA25006	Legal land description SW 9-45-27 W4M
<input checked="" type="checkbox"/> Approval <input type="checkbox"/> Registration <input type="checkbox"/> Authorization <input type="checkbox"/> Amendment		

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.

Feb 13 2024
Date of signing

Signature

Joan-Willem Lok
Print name

Corporate name (if applicable)

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)
Two additions	170" x 71" (51.8 m x 21.6 m)

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

Existing facilities	Dimensions (m) (length, width, and depth)	NRCB USE ONLY
2 chicken barns	112 meters, 21.3 meters	

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

Construction completion date for proposed facilities ~~2026~~ 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
Broilers	70 000	120 000 50 000	120 000

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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

Part 2 – Technical Requirements

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

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 13 day of Feb, 2025.

Signature of Applicant or Agent

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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: chicken barns

Proposed 1: additions to Existing barns

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?	<input type="checkbox"/> >1 m <input type="checkbox"/> ≤ 1 m	<input type="checkbox"/> >1 m <input type="checkbox"/> ≤ 1 m	<input type="checkbox"/> >1 m <input type="checkbox"/> ≤ 1 m	<input type="checkbox"/> > 1 m <input type="checkbox"/> ≤ 1 m	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	
	Surface water information	How many springs are within 100 m of the manure storage facility or manure collection area?	No	No			<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption
	How many water wells are within 100 m of the manure storage facility or manure collection area?	1	1			<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> 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)	1000 meters	1000 meters			<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	
Groundwater information	What is the depth to the water table?	+ 3 M	+ 3 M			<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	
	What is the depth to the groundwater resource/aquifer you draw water from?	42 M	42 M			<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	

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

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

Neighbour name(s)	Legal land description	Distance (m)	NRCB USE ONLY				
			Zoning (LUB) category	MDS category (1-4)	Distance (m)	Waiver attached (if required)	Meets regulations
Bert Schimmel	NE 8-45-27 W4M	850					
Prichel Larry Allen Arthur & Frances Margaret	NE 5-45-27 W4M	900					
Dayna Lull	NE 8-45-27 W4M	650					
Kaiser Darin	NE 9-45-27 W4M	1000					
Applicant owned	NW 9-45-27 W4M	700					

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

Name of land owner(s)*	Legal land description	Usable area** (ha)	Soil zone ***	NRCB USE ONLY	
				Usable area (ha)	Agreement attached (if required)
Jan-Willem Lok	NE 17-48-26 W4	55	black		
Jan-Willem Lok	NE 8-46-26 W4	50	black		
Jan-Willem Lok	SW 41-46-27 W4	60	black		
Jan-Willem Lok	SW 29-45-27 W4	60	black		
Jan-Willem Lok	S 1/2 36-47-27 W4	120	Black		
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)

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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.** Chicken barn additions
2. _____

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.	170 feet	70 feet	0	
2.				
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

indoor

Liner protection

Describe how the physical integrity of the liner will be maintained

repair if needed

NRCB USE ONLY
 Requirements met: YES NO

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

Concrete liner details

Concrete thickness <p style="text-align: center;">4 inch</p>	Method of sulphate protection: <p style="text-align: center;">Sulphate resistant blend</p>
Concrete strength <p style="text-align: center;">32 mpa at 28 days</p>	Concrete reinforcement size and spacing <p style="text-align: center;">Rebar 10 mm on 12" spacing</p>

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 <input type="checkbox"/> YES	<input type="checkbox"/> YES With STMS <input type="checkbox"/> NO
Depth to water table: _____	Requirements met: <input type="checkbox"/> YES <input type="checkbox"/> NO
Depth to Uppermost groundwater resource: _____	Requirements met: <input type="checkbox"/> YES <input type="checkbox"/> NO
ERST completed: <input type="checkbox"/> see ERST page for details	
Surface water control systems	
Requirements met: <input type="checkbox"/> YES <input type="checkbox"/> NO	Details/comments:
Concrete liner details	
Leakage detection system required: <input type="checkbox"/> YES <input type="checkbox"/> NO If yes, please explain why.	

Paradise



SYMBOL LEGEND

CONSTRUCTION REFERENCE		CONSTRUCTION TAG
FINISH REFERENCE		EXTENSION FINISH TAG
GRID NUMBER		GRID BUBBLE
DOOR REFERENCE		DOOR TAG
ROOM NUMBER		ROOM TAG
SECTION REFERENCE		ELEVATION CALLOUT
DRAWING NUMBER		BUILDING SECTION CALLOUT
SHEET NUMBER		ELEVATION CALLOUT
DRAWING NUMBER		ELEVATION CALLOUT
SHEET NUMBER		ELEVATION CALLOUT
WINDOW REFERENCE		WINDOW TAG
ELEVATION		ELEVATION TAG
DRAWING TITLE		DRAWING TITLE
DRAWING NUMBER		DRAWING NUMBER
SHEET NUMBER		SHEET NUMBER

DRAWING INDEX

Sheet Number	Sheet Name	Current Revision
A000	Index	A
A101	Paraback Barn	A
A102	Site Plan	A
A201	Floor Plan Overall	A
A202	Floor Plan Detailed	A
A401	Building Sections	A
A402	Trussing Sections	A
Sheet Count: 7		

Architect: _____
 Stamp: _____
PRELIMINARY
 NOT FOR CONSTRUCTION

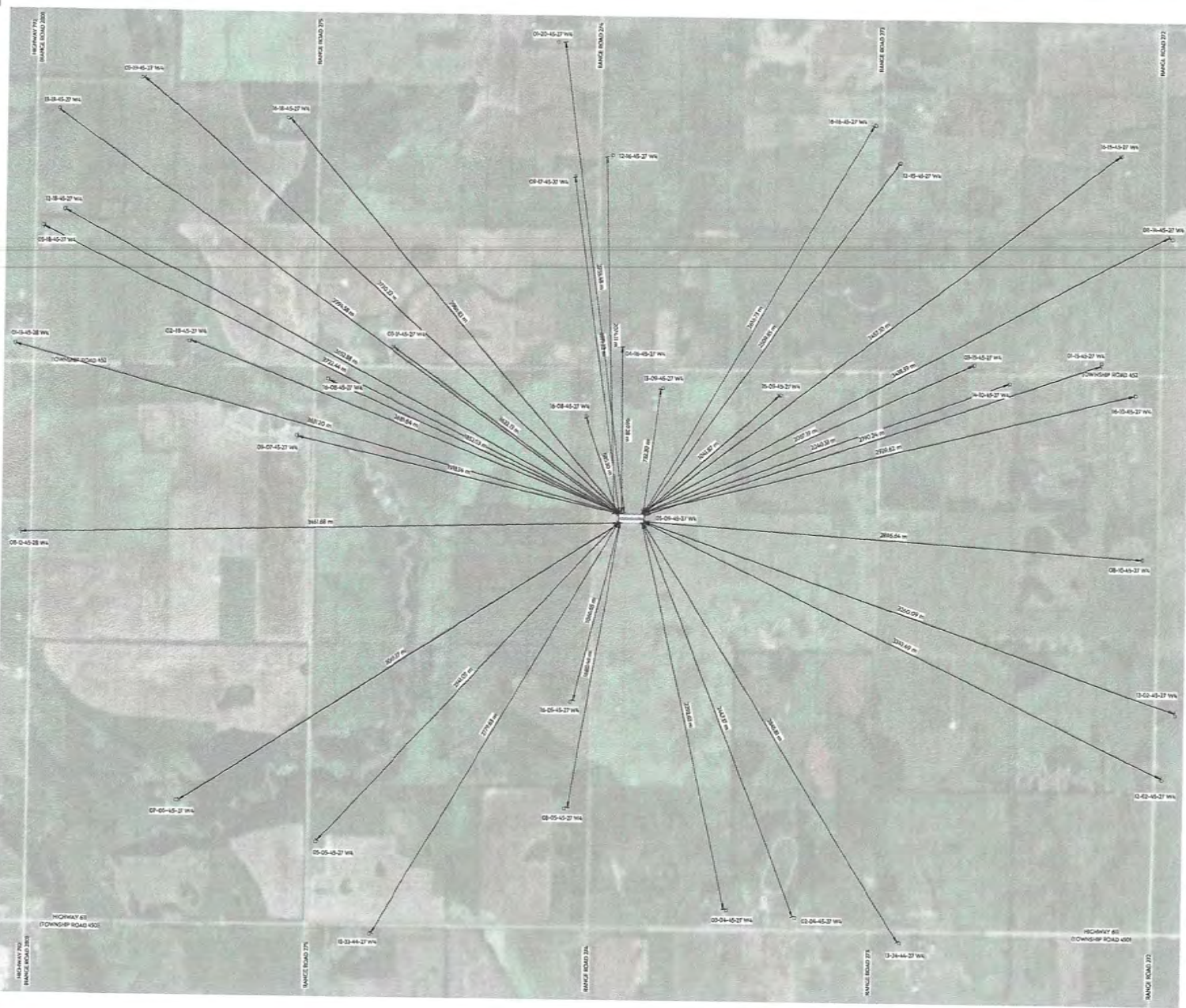


Paradise Chicken Barn Expansion
 451035 Range Road 274
 Wetaskiwin County
 05-09-45-27 W4

DATE	2024-07-22
DESCRIPTION	INDEX
BY	JC
CHECKED BY	JC
PROJECT NO.	A1650
DATE	11/22/2024 3:30:05 PM
DRAWN BY	JC
CHECKED BY	JC
SHEET NAME	Index

A000

Wetaskiwin County Chicken Barn Expansion



1 Setback Plan
0/0/0



Architect:
Stamp:
PRELIMINARY
NOT FOR CONSTRUCTION
aggregate
design studio ltd.
EAGLE BUILDERS

Paradise Chicken Barn Expansion
451035 Range Road 274
Wetaskiwin County
05-09-45-27 W4

NO.	DESCRIPTION	DATE
1	INITIAL CONSULTATION REVIEW	2024-12-22

Project No: A24560
Date: 12/22/2024 3:30:08 PM
Drawn by: JC
Checked by: JC
Sheet Name:

Setback Plan

A101



BYLAW INFORMATION

ZONING AGRICULTURE (A2)
 USE WITHOUT INSPECTION OPERATIONS
 SETBACKS
 FRONT YARD (METS):
 10.00m (40.00m)
 ALL OTHER ROADS: 40.00m
 INTERNAL SERVICE PADS: 8.00m
 REAR YARD (METS):
 REQUIRED: 10.00m
 SIDE YARD (METS):
 REQUIRED: 5.00m
 SIDE YARD (METS):
 REQUIRED: 5.00m

NOTES CONCERNING BUILDING LOCATION

1. OWNER IS TO BE ADVISED BEFORE START OF CONSTRUCTION OF ANY UN-KNOWN FEATURES ON THIS OR THE ADJACENT SITES THAT MIGHT IMPACT ON THE PROJECT EITHER DURING CONSTRUCTION OR FUTURE USE.
2. THE NORTH ORIENTATION REFERS TO NOMINAL NORTH RATHER THAN TRUE OR MAGNETIC NORTH.
3. ANY DIMENSIONS THAT SHOW THE LOCATION OF EXISTING FEATURES ARE APPROXIMATE ONLY, AND ARE TO BE CONFIRMED BEFORE CONSTRUCTION START AS REQUIRED BY A CERTIFIED LAND SURVEYOR.
4. LANDSCAPING IS SUBJECT TO CHANGE.

SITE PLAN LEGEND

PROPERTY LINE	---
SETBACK LINE	---
HEIGHT OF TOWER LINE	---
RIGHT OF WAY (METS)	---
PROPOSED BUILDING	▒
SERVICE ROOM	▒
EVES	▒
MAIN FLOOR	▒
OVERHEAD ROOM	▒
REAR YARD	▒
ENTRANCE	▽

Site Schedule

ON SITE	APPROX	150.0 m²	1,600.0 m²
CHICKEN BARN	150.0 m²	1,600.0 m²	
CHICKEN BARN	150.0 m²	1,600.0 m²	

SITE MATERIAL LEGEND

APRON	▒
SIDEWALK	▒
LIGHT DUTY ASPHALT	▒
HEAVY DUTY ASPHALT	▒
GRAVEL	▒
LANDSCAPING	▒
HARD LANDSCAPING	▒
MULCH	▒



1 Site Plan
 A102 1:750



Architect:

Stamp:

PRELIMINARY
 NOT FOR CONSTRUCTION



Paradise
Chicken Barn Expansion
 451035 Range Road 274
 Wetaskiwin County
 05-09-45-27 W4

NO.	DESCRIPTION	DATE
1	EXERCISE FOR PRELIMINARY REVIEW	2024-02-22

Project No: A31650
 Date: 11/22/2024 3:36:06 PM
 Drawn by: JC
 Checked by: JC
 Sheet Name:

Site Plan

A102

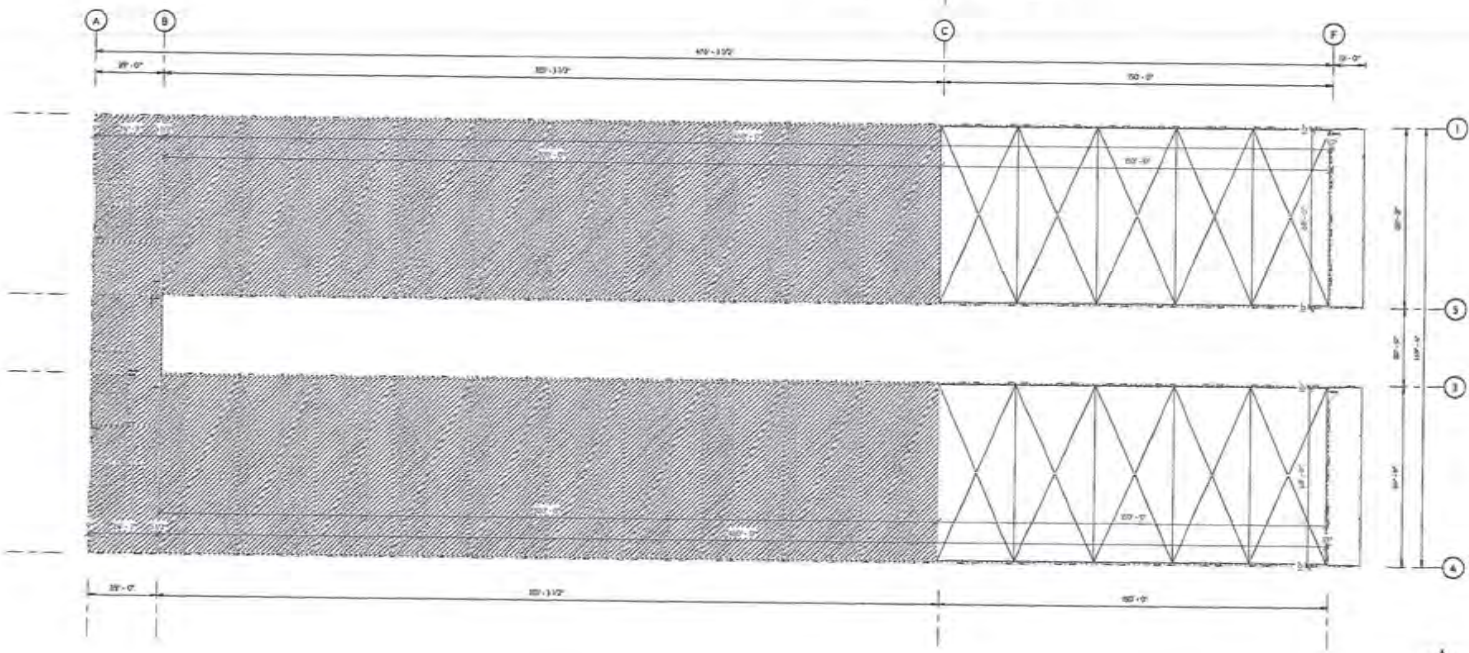
CONSTRUCTION LEGEND

	NEW FRAMED WALL
	NEW PRECAST WALL
	EXISTING WALL
	ENCLOSED WALL
	NEW DOOR
	EXISTING DOOR

Architect: _____
 Stamp: _____
PRELIMINARY
 NOT FOR CONSTRUCTION

aggregate
 design studio ltd.
EAGLE BUILDERS

← EXISTING ADDITION →



1 Overall Floor Plan
 1/20" = 1'-0"

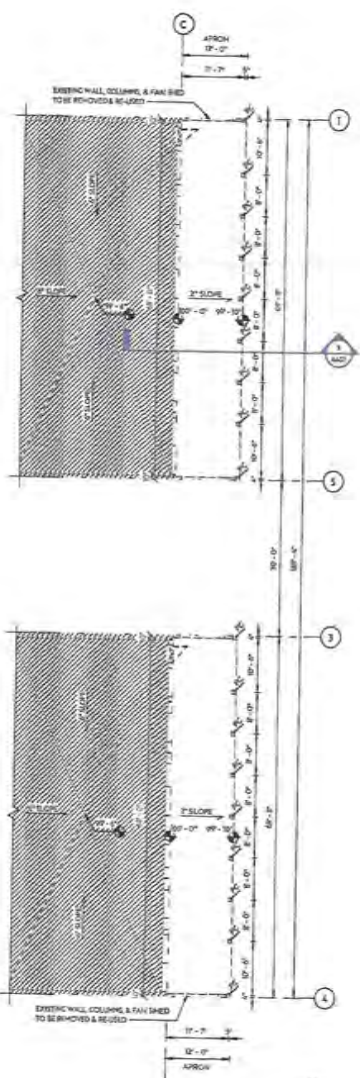


Paradise
Chicken Barn Expansion
 451035 Range Road 774
 Wetaskiwin County
 05-09-45-27 W4

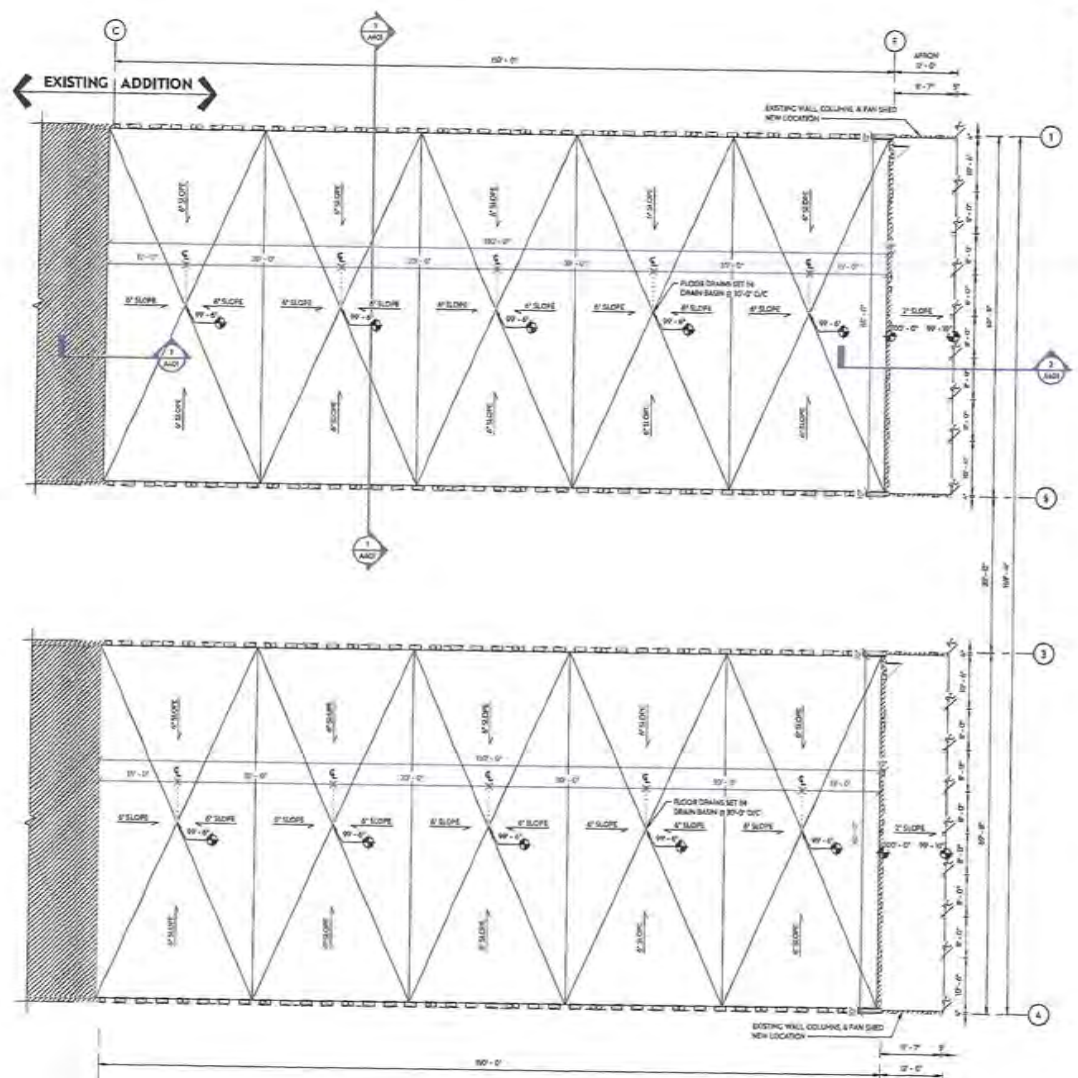
DATE	2024-10-22
DESCRIPTION	PRELIMINARY REVIEW
BY	JC
CHECKED BY	JC
Project No.	A201
Date:	10/22/2024 3:30 PM
Drawn by:	JC
Checked by:	JC
Sheet Name:	

Floor Plan
 Overall

A201



1 Existing Floor Plan
 ADD 1/32" = 1'-0"



2 Addition Floor Plan
 ADD 1/32" = 1'-0"



CONSTRUCTION LEGEND

	NEW FRAMED WALL
	NEW ENCAST WALL
	EXISTING WALL
	ENCLOSED WALL
	NEW DOOR
	EXISTING DOOR

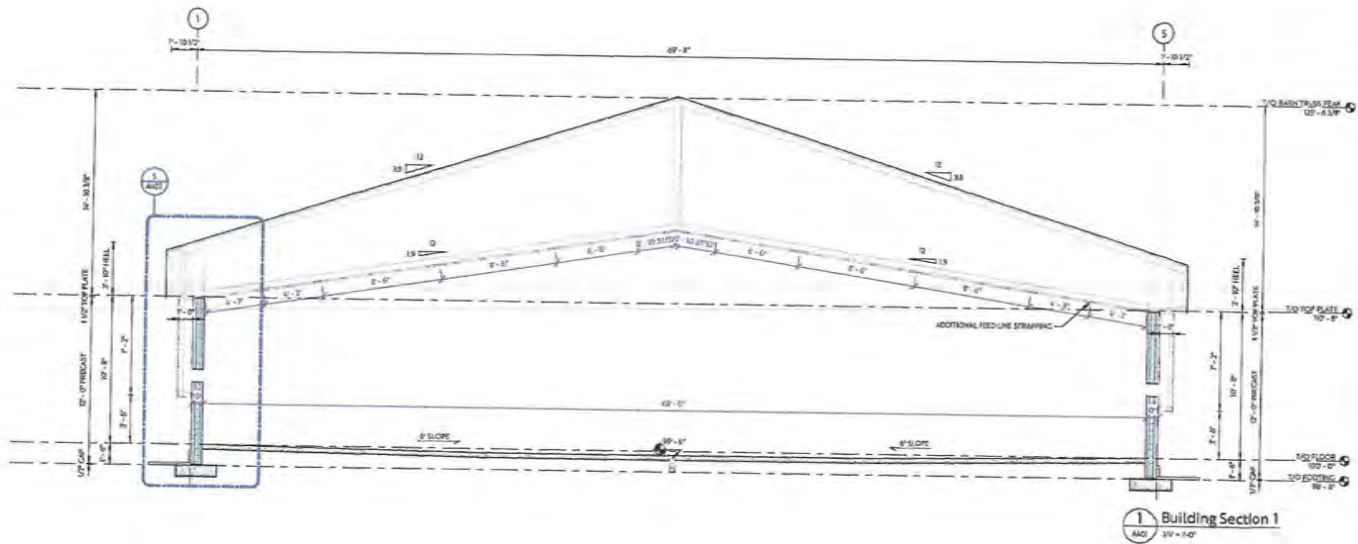
Architect: _____
 Stamp: _____
PRELIMINARY
 NOT FOR CONSTRUCTION
 aggregate
 design studio llc
 EAGLE
 BUILDERS

**Paradise
 Chicken Barn Expansion**
 451035 Range Road 774
 Wetaskiwin County
 05-09-45-27 W4

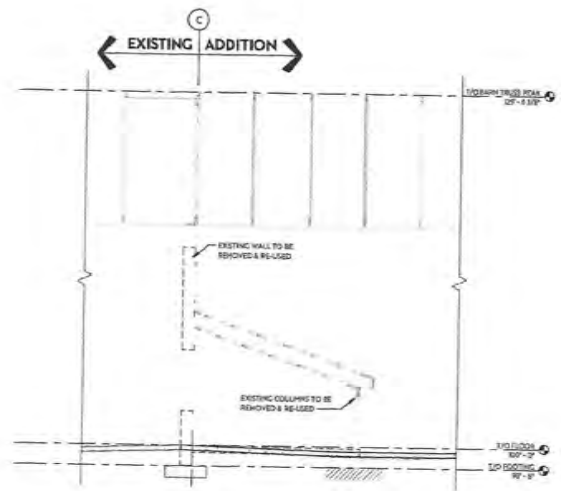
NO. 1	DESCRIPTION	DATE
1	FORWARDED FOR PRELIMINARY REVIEW	2014-02-27
Project No: 424360		
Date: 1/22/2014 1:09:07 PM		
Drawn by: JC		
Checked by: JC		
Sheet Name:		

Floor Plan
 Enlarged

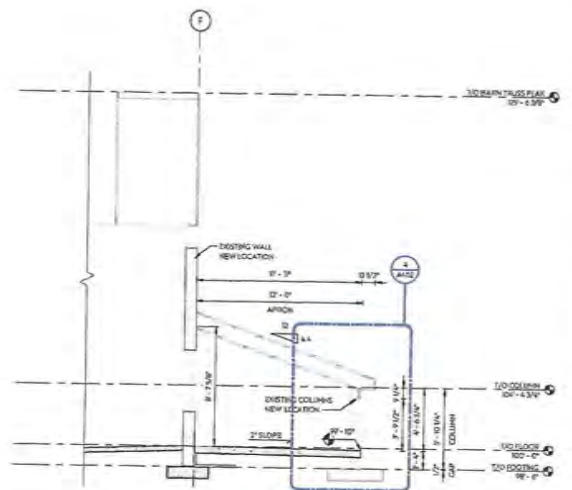
A202



1 Building Section 1
ASD 1/4" = 1'-0"



3 Building Section 3
ASD 1/4" = 1'-0"



2 Building Section 2
ASD 1/4" = 1'-0"

Architect:
Stamp:
PRELIMINARY
NOT FOR CONSTRUCTION
aggregate
design studio ltd.
EAGLE BUILDERS

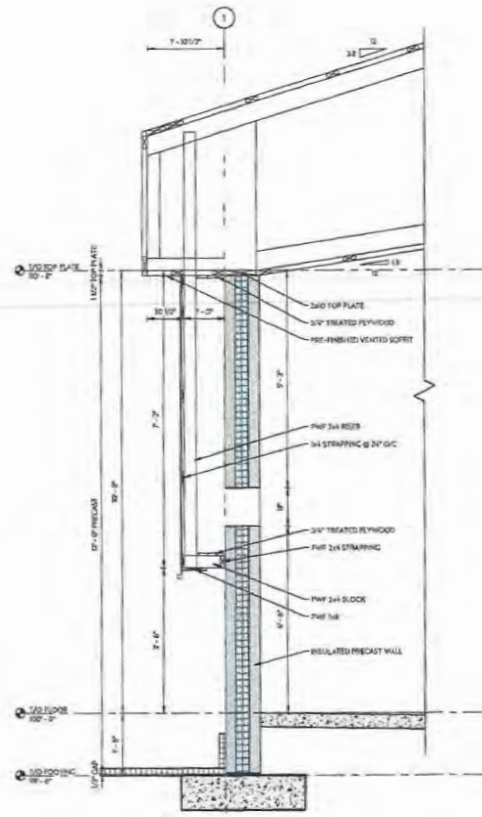
Paradise Chicken Barn Expansion
451035 Range Road 274
Wieraskiwin County
05-09-45-27 W4

DATE	DESCRIPTION
2024-10-22	1. REVISIONS FOR PRELIMINARY REVIEW

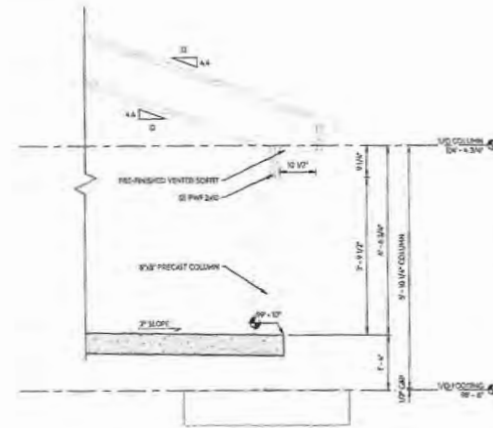
Project No: A366AD
Date: 11/22/2024 3:59:08 PM
Drawn by: JC
Checked by: JC
Sheet Name:

Building Sections

A401



5 Side Wall Section
 3/4" = 1'-0"



4 Back Column Section
 3/4" = 1'-0"

Architect:

Stamp:

PRELIMINARY
 NOT FOR CONSTRUCTION

aggregate
 design studio ltd.



Paradise
Chicken Barn Expansion
 451035 Range Road 274
 Wetaskiwin County
 05-09-45-27 W4

NO.	DESCRIPTION	DATE	PROJECT
1	PRELIMINARY DESIGN		

Project No.	A24560
Date:	11/22/2024 3:39:09 PM
Drawn by:	JC
Checked by:	JC
Sheet Name:	

Building
 Sections

A402