

**Construction Costs for a 3200 Head Hog Farrow Wean Facility with Electronic Sow  
Feeding in Manitoba & Saskatchewan**

**Prepared for: Manitoba Pork Council & Sask Pork**

**Prepared by:**

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**Layout Design Assistance:**

**New Standard Ag Inc.  
Kevin Kurbis**

**January, 2017**

**REVISED September 29, 2023**



## **Introduction**

At the request of the Manitoba Pork Council & Sask Pork, DGH Engineering Ltd. has prepared a detailed budget estimate to construct a new hog farrow wean facility in today's market conditions. A typical 3,200 Head Farrow Barn was designed in co-operation with Kevin Kurbis of New Standard Ag Inc. as a model (see drawing, Appendix A). The facility would house dry sows in six large group pens with electronic feeders in lots of 324 sows. A gilt receiving and isolation room is provided for incoming replacement stock. A breeding room would house 360 females in typical dry sow crates with trough feeding. After breeding and prior to introduction into the group housing, new gilts would be housed in an electronic sow feeding training room. Gilts are housed in group housing in two groups of 232 gilts after training. The farrow area is divided into 10 rooms of 40 6'x8' Farrowing Crates. A load-out room with pens is provided for outgoing weaners. Staff services and building mechanical/electrical would be facilitated in an area in the centre of the barn between the farrowing section and the dry sow/breeding section. Waste collection would be facilitated through slats above 2' deep manure collection pits drained by underground sewer pipe to a lift station and a two cell HDPE lined earthen manure storage. Feed distribution is provided by typical flex auger system connected to 6 exterior feed bins. All walls in the building are nominally 10' high with the first four feet being concrete and the balance being wood stud clad with painted OSB. Exterior building cladding is 29 gauge pre-painted galvanized steel.

## **Revisions Made For September 2023**

**All unit prices were updated to reflect current industry costs.**

## **Methodology**

A detailed estimate was prepared presenting all building components along with associated costs organized according to the NMS Masterformat standard numbering system. The detailed budget for Manitoba is presented in Appendix B. The detailed budget for Saskatchewan is presented in Appendix C. The budget is based on the building's design and construction conforming to the 2010 Manitoba Farm Building Code (Note in Saskatchewan, while Farm Buildings are exempt from the Construction Codes Act, local authorities may require farm buildings to comply with certain construction standards through local building bylaws). All unit prices are based on current typical market costs and adjusted where necessary to reflect the differences in labour rates for an agricultural building vs typical commercial building labour costs. A detailed commentary organised according to the NMS divisions follows.

## **Differences Between Manitoba and Saskatchewan Pricing**

For the most part, all building materials and labour costs are for all intents and purposes at the budgetary stage the same, outside of a small variation in concrete costs. The only other major difference is in the Provincial Sales Tax Applicable in each of the provinces. This is due to both a difference in the base PST percentage rate, and more significantly a difference in what items are taxable and what items are exempt in the respective provincial sales tax acts.

## **Division 1 – General Requirements**

General Requirements include cost allowances for engineering design fees, permits, course of construction insurance, overhead and administration of the project, site survey and layout as well

as miscellaneous temporary facilities (equipment rentals, construction consumables, sanitary facilities, first aid supplies, etc.)

Note that permits, insurance and overhead & administration are based on percentage values of the overall budget.

### **Division 3 – Concrete**

Concrete includes all costs associated with forming supplies, labour to form, place and pour concrete, reinforcing steel, concrete delivered to site, and precast concrete slats.

Concrete Formwork Labour unit cost rates provided are 60% of the typical unit rate for commercial construction.

Concrete reinforcing steel unit cost rates is based on current market rates for steel bars based on a detailed material take-off.

Concrete unit cost rates are based on the current market cost per yard allowing for typical discounts provided for large quantity orders in high volume pours.

Concrete slat unit cost rates are based on the current market price for slats allowing for typical discounts on single bulk orders.

### **Division 5 – Structural Steel**

Structural steel consists of steel columns to support a girder truss over the open dry sow room as well as a cash allowance for miscellaneous steel fabrications which may be required during the course of construction.

### **Division 6 – Woods and Plastics**

Woods and plastics contains all components for the framing of the building shell, including pre-fabricated wood trusses, exterior foundation cladding in pressure treated plywood, and interior wall and ceiling cladding in OSB. Also included are 22 attic smoke stops constructed from 3/8" OSB.

All dimensional lumber and sheathing unit costs are based on current market rates in the construction industry taking into account bulk construction package purchasing.

Pre-fabricated wood truss unit cost is based on listed market rate and recent comparable barns built in 2023.

All Labour unit costs are based on 90% of current commercial rates for construction labour.

### **Division 7 – Thermal & Moisture Protection**

Thermal and moisture protection contain all components for provision of building envelope insulation, vapour barriers, acoustical sealants, and 29 gauge pre-painted galvanized exterior metal cladding complete with associated trims and fasteners.

Insulation and metal cladding material unit costs are based on current market rates for agricultural construction.

Insulating labour unit costs are based on standard construction rates. There is no significant difference in terms of labour cost savings in an agricultural vs commercial project for insulation.

Metal cladding installation unit costs are based on 65% of typical commercial construction rates to reflect economies of construction due to simplicity and large surface areas of typical hog facility building layouts.

## **Division 8 – Doors & Windows**

Doors & windows include all pre-fabricated and site built doors, including overhead load-out door and associated door hardware. All unit costs are based on typical construction rates.

## **Division 9 – Finishes**

Finishes includes suspended ceiling and drywall in the staff/service areas, as well as painting of the OSB wall and ceiling cladding through-out the facility. All unit costs based on current typical market rates.

## **Division 10 – Specialities**

Fire protection specialties provided for in the estimate are limited to 22 fire extinguishers only

Note that depending on local municipal firefighting infrastructure, an additional firefighting water holding pond may need to be constructed.

## **Division 11 – Equipment**

The following animal equipment is included in the budget estimate:

### **Animal Penning:**

Animal penning is provided as per plan layout. Building walls in the penning area will be 4' of concrete above the slatted floor. Pen walls and dividers in dry sow areas are constructed of 2" thick PVC panels, 38" high, supported by stainless steel posts and wall straps. Gilt Stalls in the breeding area are constructed from black steel. Farrow crates are galvanized steel with PVC creep planks.

### **Animal Heating and Ventilation:**

All exhaust and recirculation fans are provided including associated hardware (hoods and backdraft dampers, winter closures for stage 3/stage 4 fans).

All ceiling air inlets are included complete with actuators and all connecting hardware, pulleys, and manual hand winches.

Gas unit heaters are to be installed for supplementary winter heating.

Environmental controllers, temperature probes, back-up thermostats and manual fan controls are included in the equipment package.

## **Watering System**

All components to construct a complete watering system are provided including:

### Water Meter

1 ½" Main water supply lines with ¾" branch lines, PVC Schedule 40.

1 ½" High Volume wash drops in each of the farrow rooms and in the load out area, two high volume drops in the sow training and breeding rooms, and six in each dry sow room. All high volume drops include quick connect camlock coupler for attachment of wash down fire hose.

Four 75' high volume wash down hoses with connectors and adjustable nozzle.

¾" supply lines with ¼" hose drops to nipple drinkers with room shut off ball-valves, as well as isolation shut off ball-valves at each drinker connecting drop. Note isolation valves for drinkers are PVC schedule 40 ball valves, not nylon valves, for leak free operation. For group areas, double drinkers are provided as follows : Gilt Pretraining : 4, Gilt Training : 8, Gilt : 24 (12 per pen)  
Dry Sow : 144 (24 per pen)

Separate sow dripper lines for animal cooling in farrow rooms complete with electronic solenoid valve for room activation and manual cooling bypass. Solenoid valve has unions and shut-off valves at either end to facilitate easy replacement without interruption of water service.

Clamps, screws, fittings, glue, primer, unions & shut-off valves for maintenance isolation, Teflon tape and all materials required for a complete installation are. all included.

## **High Pressure Water system**

All components are provided for a functional high pressure barn wash system serviced by a centrally located 10 HP high pressure washer including:

¾" Main line with ½" branch lines to supply high pressure water throughout facility. All pipe and fittings Galvanized Steel Pipe, Schedule 80.

One high pressure wash drop on each end of farrow rooms, isolation room, and the load-out area each complete with high pressure drop hose and shut off valve.

Two high pressure wash drops on each end of breeding and gilt training rooms, each complete with high pressure drop hose and shut off valve.

Nine high pressure wash drops distributed through-out the dry sow room, each complete with high pressure drop hose and shut off valve.

150' Pressure wash hose with wand.

## **Feed System**

All components to construct a complete automated feed delivery system (flex auger type).

**Feed Storage (Approx. 7 days storage) :**

Farrow Rooms : 4 x 22.64 Tonne Feed Bins

Dry Sow : 2 x 28.7 Tonne Feed Bin

Sow Training : 5.6 Tonne Feed Bin

Gilts : 2 x 5.6 Tonne Feed Bins

Breeding : 11 Tonne Feed Bin

Gilt Receiving/Isolation : 2.3 Tonne Feed Bin

### **Lift Station**

Two complete concrete lift station including:

5' diameter concrete well cribbing

10HP submersible pump including controls, motor starter, floats, etc.

Stainless steel guide rails and 2,000 lb winch

### **Sewer Pipe**

Complete under floor sewer package for typical under slab IPEX ultra-rib system with rubber pit plugs

### **Miscellaneous Components**

Agri-Alert Alarm system

Load out Ramp

Weigh Scale for single animals.

Heat Lamps and Pads in Farrowing Rooms

All animal equipment components are based on current market list prices with a 15% discount applied to represent a typical “package price” reduction when purchasing a complete animal equipment package for construction of a new barn.

### **Division 15 – Mechanical**

Process Piping - Installation of 1" Schedule 40 Steel Pipe in facility to supply propane or natural gas to in room animal unit heaters. Unit costs are based on 85% of typical commercial rates to account for simplicity of surface mounted agricultural gas line layout.

**Plumbing Fixtures** – Plumbing fixtures for staff are based on “Assemblies” costs which include the fixtures themselves as well as associated supply, waste and vent piping. Assembly unit costs are 85% of typical commercial rates to reflect simplicity of agricultural staff service layouts.

**Heat Generating Equipment** - Assembly cost for provision of hot water tank to supply domestic hot water requirements as well as floor heat. Unit cost is 85% of commercial rate.

**HVAC** – HVAC includes air make-up unit and associated ducting, washroom exhaust fan, and components for in office floor heating system. All materials and labour unit costs are based on current rates.

### **Division 16 – Electrical**

Building electrical is based on a “per square foot cost allowance” for typical barns constructed in Manitoba.

### **Division 31 – Earthworks**

Barn pad – estimate includes the following items:

Stripping and stockpiling on-site of all topsoil and excavation to 2' below finished elevation of all floors and pits.

Backfilling of 24" of granular material beneath the entire building footprint.

Trenching and backfilling of all sewer piping below the building including sand bedding around the pipes.

Backfilling three feet around the perimeter of the building and sloping away from the foundation walls for drainage.

**Roads and Parking** – Requirements will vary depending on site conditions and location of barns. Costs provided are based on typical site works required. Assumptions allow for a ring road around the perimeter of the facility, a 30' x 48' gravel parking area, and a 25' wide entrance driveway 150' long along with a drainage ditch. Costs include earthworks to complete the road, a stabilizing geo-grid over road surfaces, and 18" of compacted road gravel.

**Earthen Manure Storage** – Costs included are for all earthworks required to construct a 2-cell earthen manure storage with 500 days of storage complete with a High Density Polyethylene Liner for containment. Costs are also included for a 75' run of sewer pipe connecting the EMS to the Manure Lift Station.

**NOTE:** No provision has been provided in the estimate for an odour control cover over the earthen manure storage. If a cover were to be required on a given site, the cost of a plastic cover is expected to be approximately \$442,000 supplied and installed.

### **Division 33 – Utilities**

Costs for utilities connection will vary depending on site location, available utilities infrastructure, natural gas or propane, and municipal water or water table depth. Cost included for connection of gas, hydro, and water are cash allowances only for an estimated typical cost.

### **Contingency**

A contingency equal to 5% of the total cost of the facility is included for incidentals, unique requirements, and unforeseen issues arising during the course of construction.

### **Cost Summary**

**Manitoba :** The total estimated cost of the 3200 head farrow wean barn including all services, materials, equipment, labour, site development works and contingency is \$16,710,757.00. This total cost translates into \$112.41 per square foot or \$5222/per pig place. Separating out site development, earth works, utilities and contingency the nominal construction cost of the facility is \$98.38 per square foot for \$4570 per pig place. The project budget does not include any cost for land, considering that the project would be constructed on an existing farm.

**Saskatchewan :** The total estimated cost of the 3200 head farrow wean barn including all services, materials, equipment, labour, site development works and contingency is \$16,988,418.00. This total cost translates into \$114.27 per square foot or \$5309/per pig place. Separating out site development, earth works, utilities and contingency the nominal construction cost of the facility is \$100.22 per square foot for \$4656 per pig place. The project budget does not include any cost for land, considering that the project would be constructed on an existing farm.

### **OPTIONAL PRICES**

The following items are not included in the base estimate for the barn and would be costs over and above the estimated price of construction:

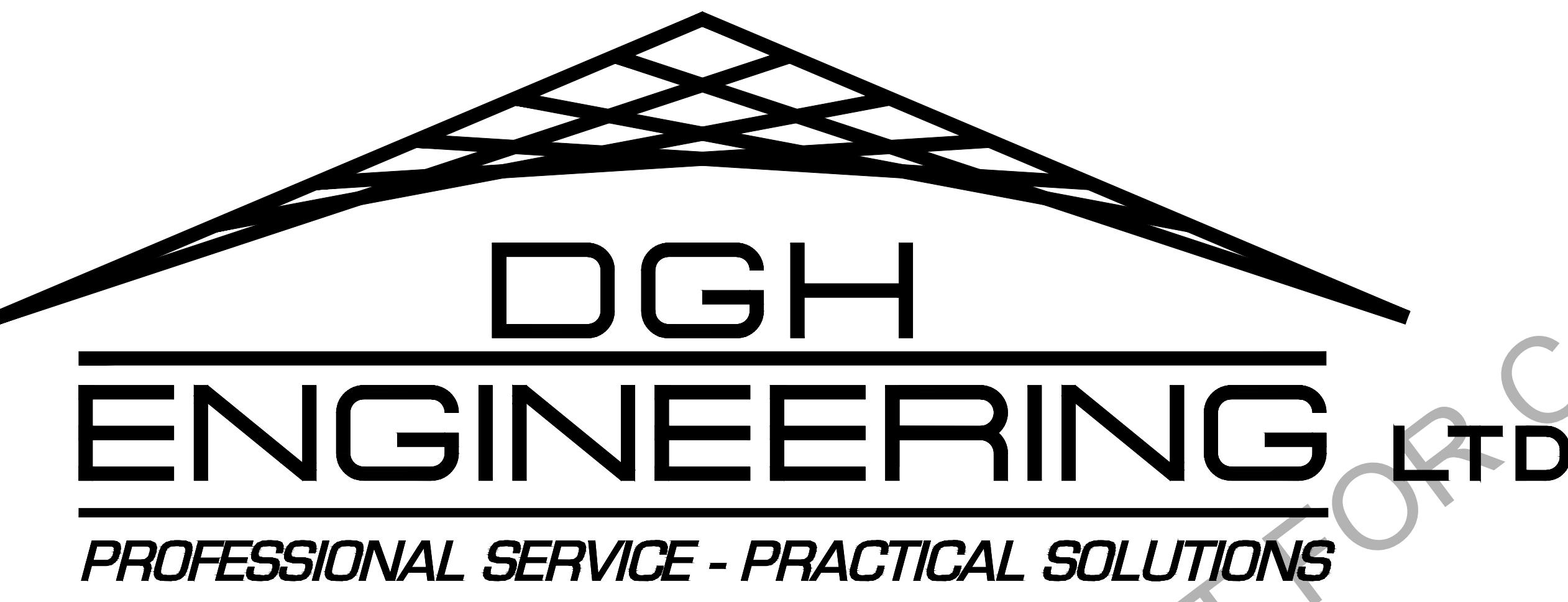
Add odour control cover to Earthen Manure Storage:

**\$442,000**

GENERAL ANNOTATION		
ITEM	SYMBOL	REMARKS
ELEVATION CALLOUT		"A" DENOTES DETAIL No., "B" DENOTES DETAIL LOCATION
DETAIL CALLOUT		"A" DENOTES DETAIL No., "B" DENOTES DETAIL LOCATION
DETAIL CALLOUT, SECTION		"A" DENOTES DETAIL No., "B" DENOTES DETAIL LOCATION
WALL SECTION CALLOUT		"A" DENOTES DETAIL No., "B" DENOTES DETAIL LOCATION
BUILDING SECTION CALLOUT		"A" DENOTES DETAIL No., "B" DENOTES DETAIL LOCATION
ROOM NUMBER CALLOUT		101
DOOR NUMBER CALLOUT		D101
WINDOW NUMBER CALLOUT		W101
REVISION NUMBER CALLOUT		

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



Sheet List Table	
SHEET NUMBER	SHEET TITLE
B1	GROUND FLOOR PLAN - OVERALL
B1.1	GROUND FLOOR - PARTIALS
B1.2	GROUND FLOOR - PARTIALS
B1.3	GROUND FLOOR - PARTIALS
B1.4	GROUND FLOOR - PARTIALS
B2	WALL SECTIONS

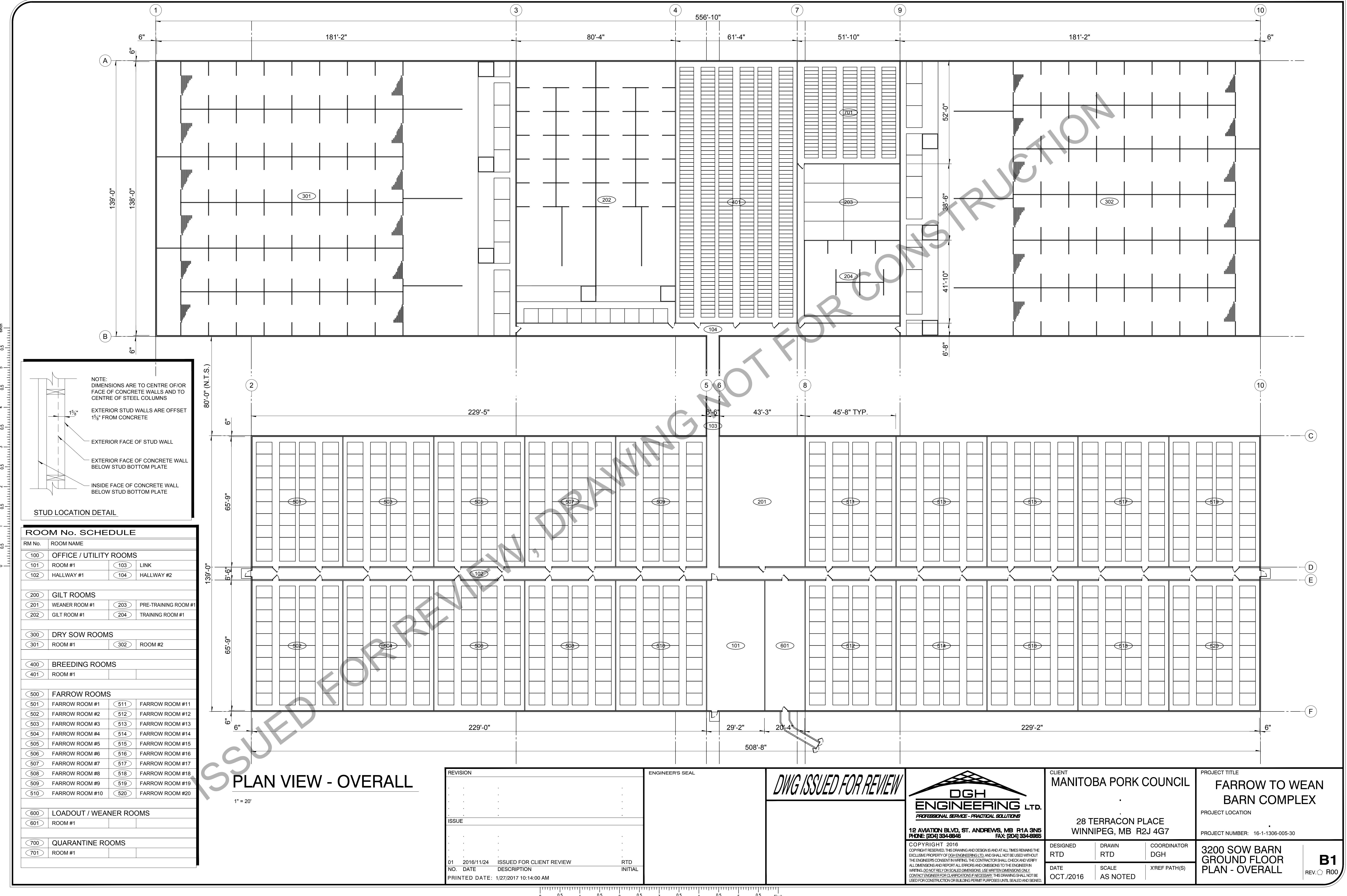
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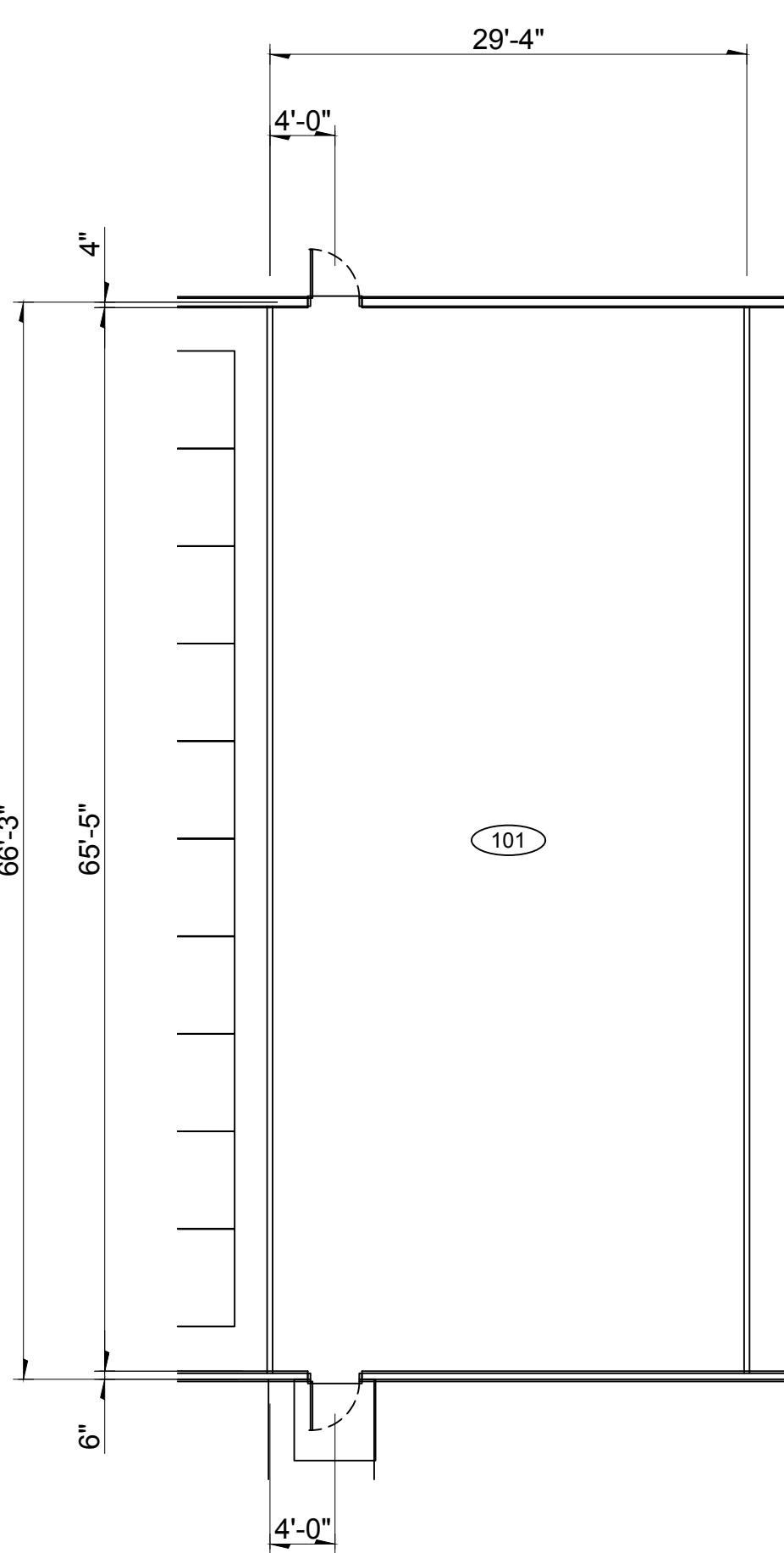
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MANITOBA PORK COUNCIL .

PROJECT

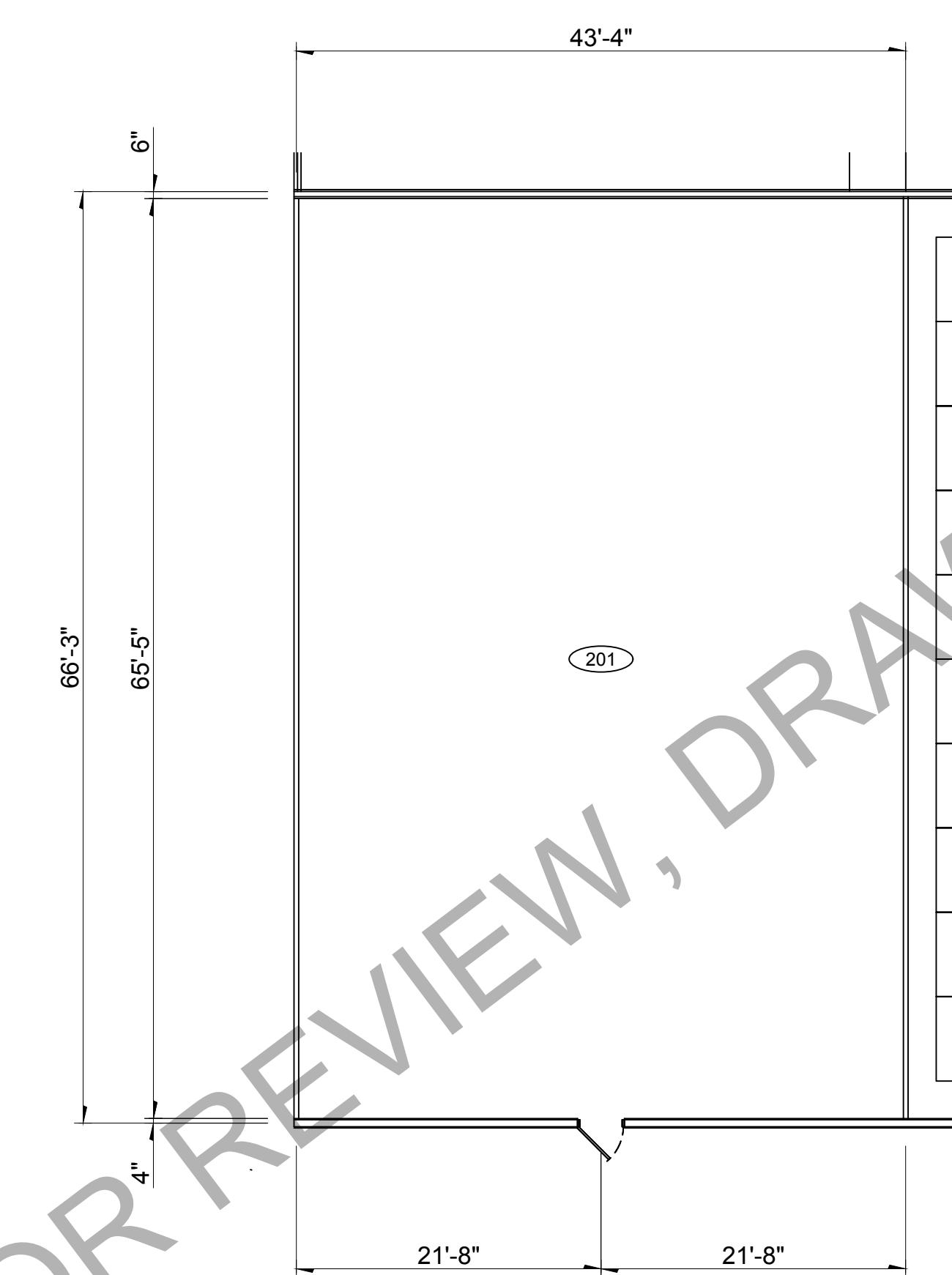
FARROW TO WEAN BARN COMPLEX





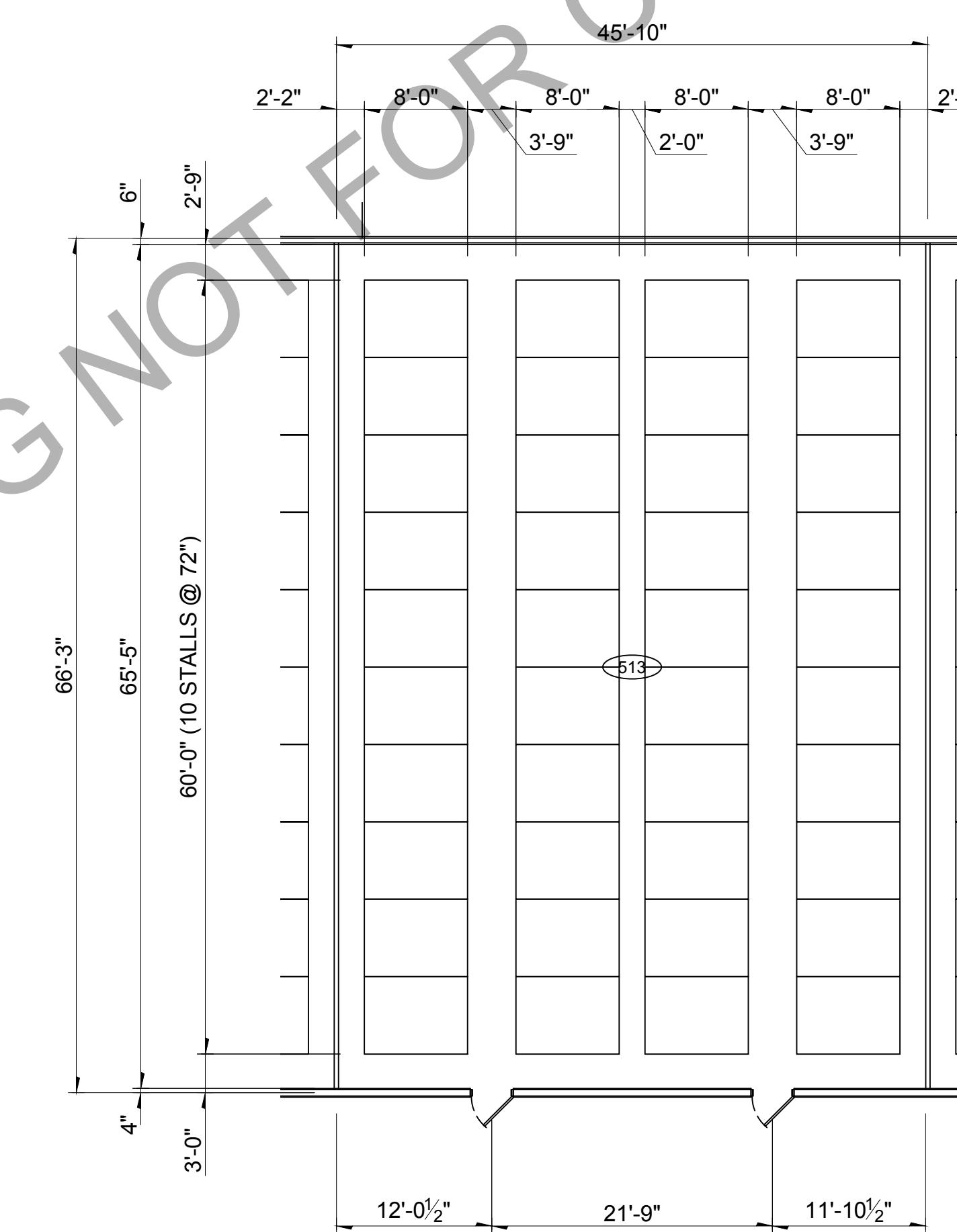
**OFFICE / UTILITIES ROOMS**

1" = 10'



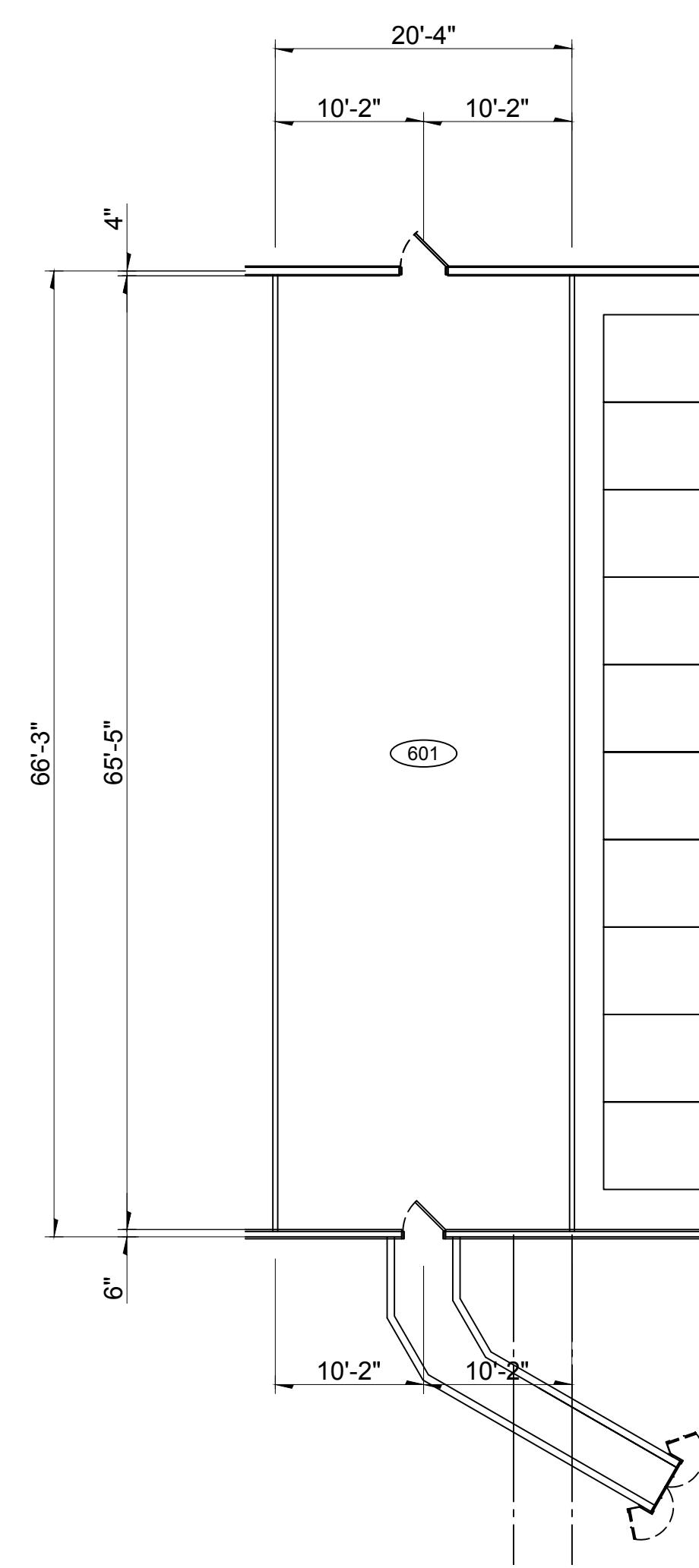
**WEANER ROOM**

1" = 10'



**FARROW ROOM (TYP. OF 20)**

1" = 10'



**LOADOUT ROOM**

1" = 10'

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CLIENT  
MANITOBA PORK COUNCIL

28 TERRACON PLACE  
WINNIPEG, MB R2J 4G7

PROJECT TITLE  
FARROW TO WEAN  
BARN COMPLEX

PROJECT LOCATION

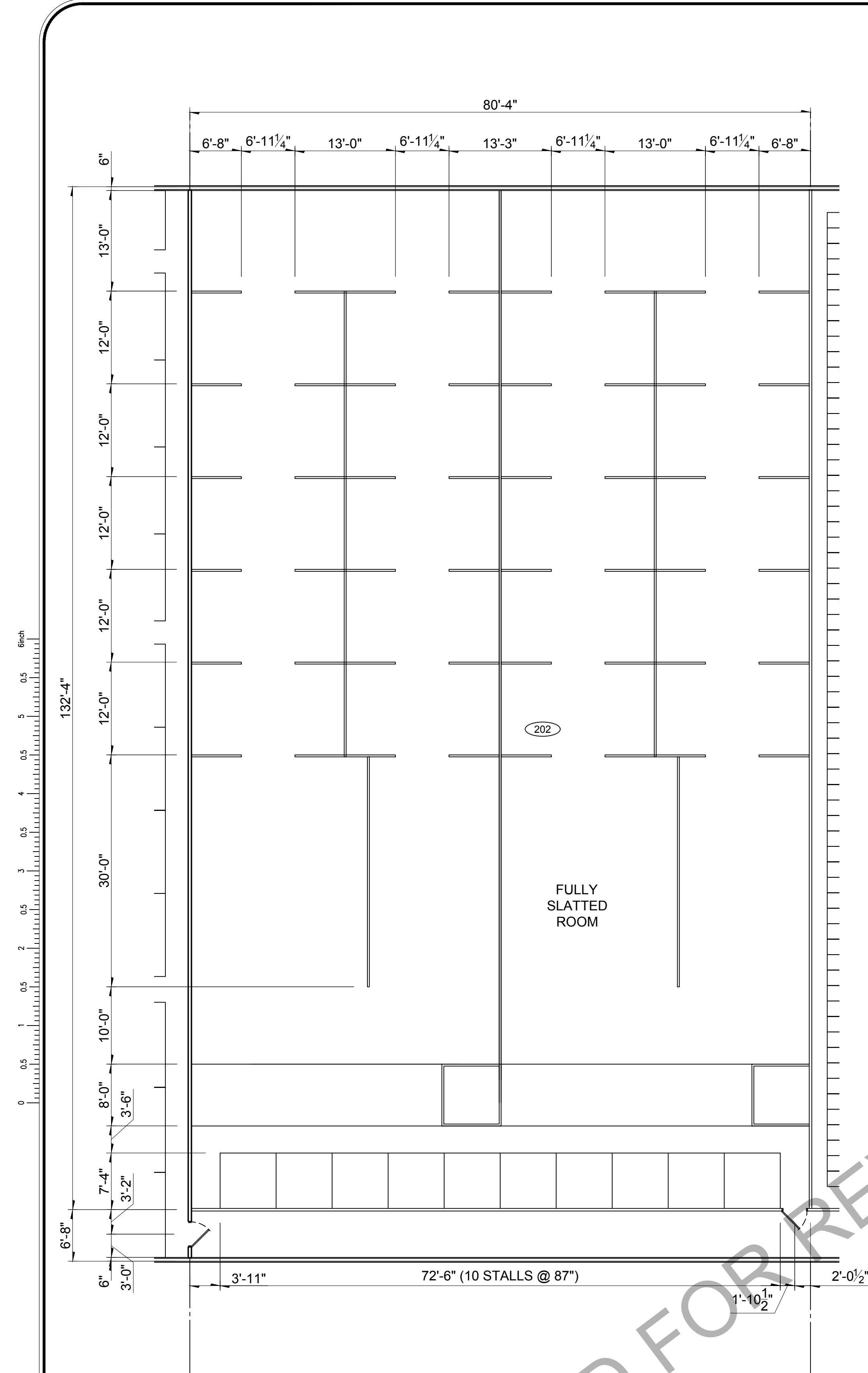
PROJECT NUMBER: 16-1-1306-005-30

3200 SOW BARN  
GROUND FLOOR  
PLAN - PARTIALS

B1.1

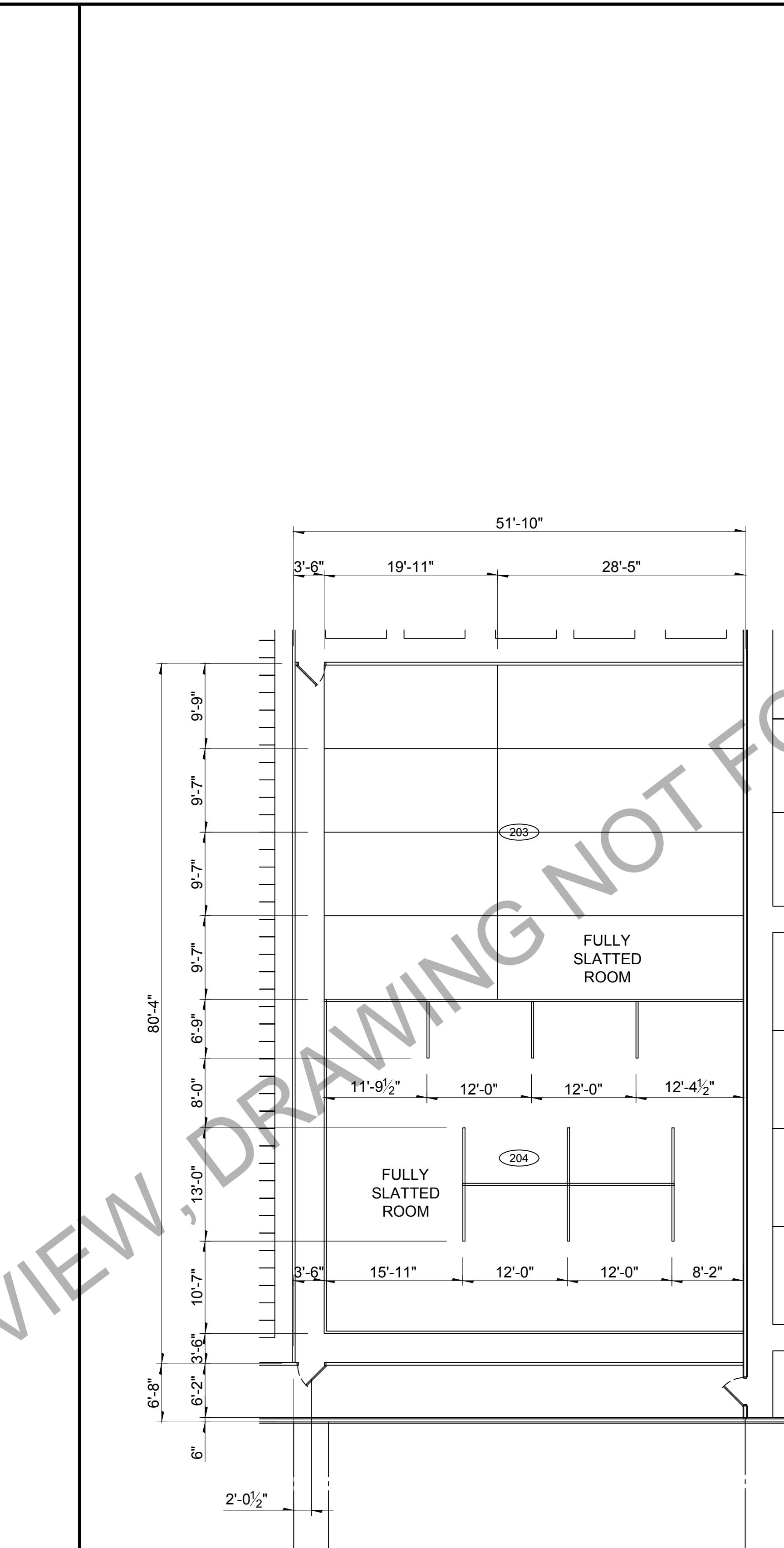
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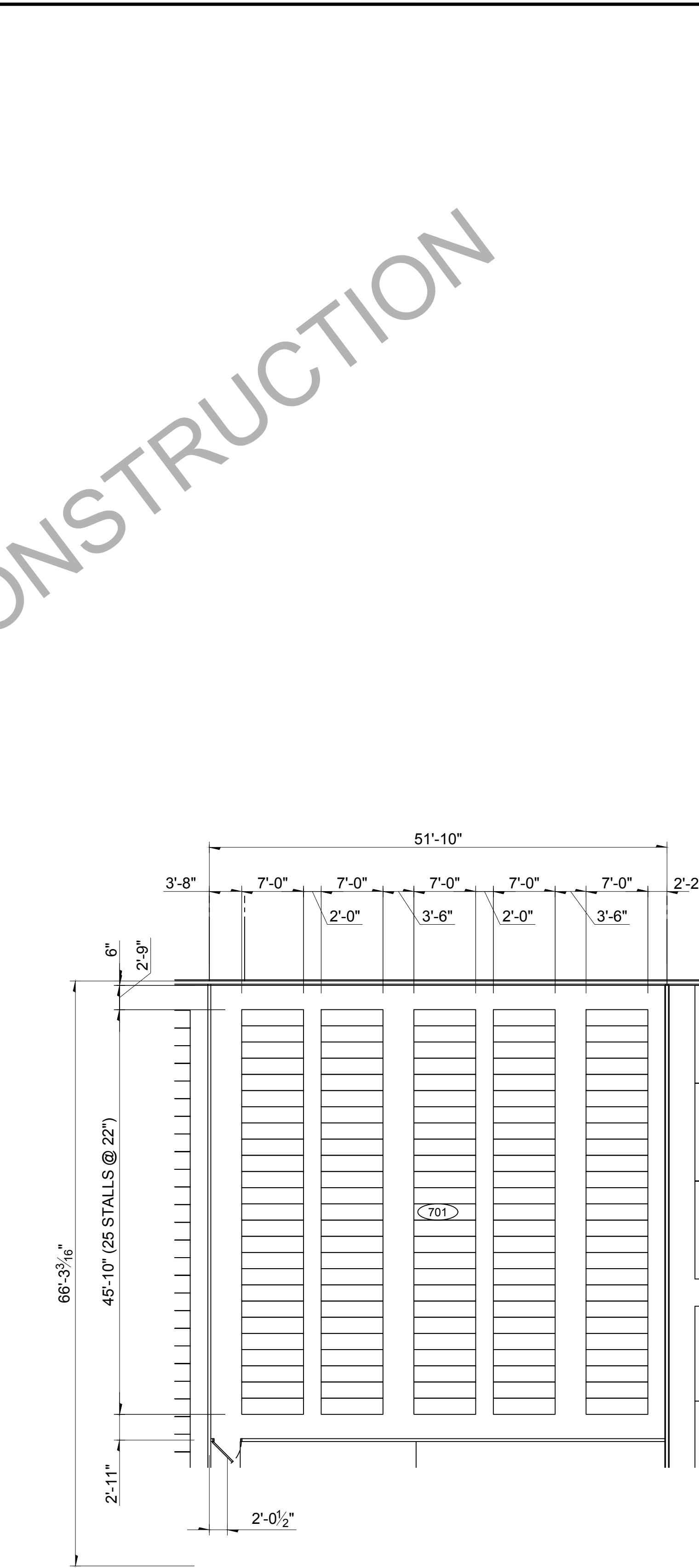
GILT ROOM

1" = 10'



TRAINING ROOMS

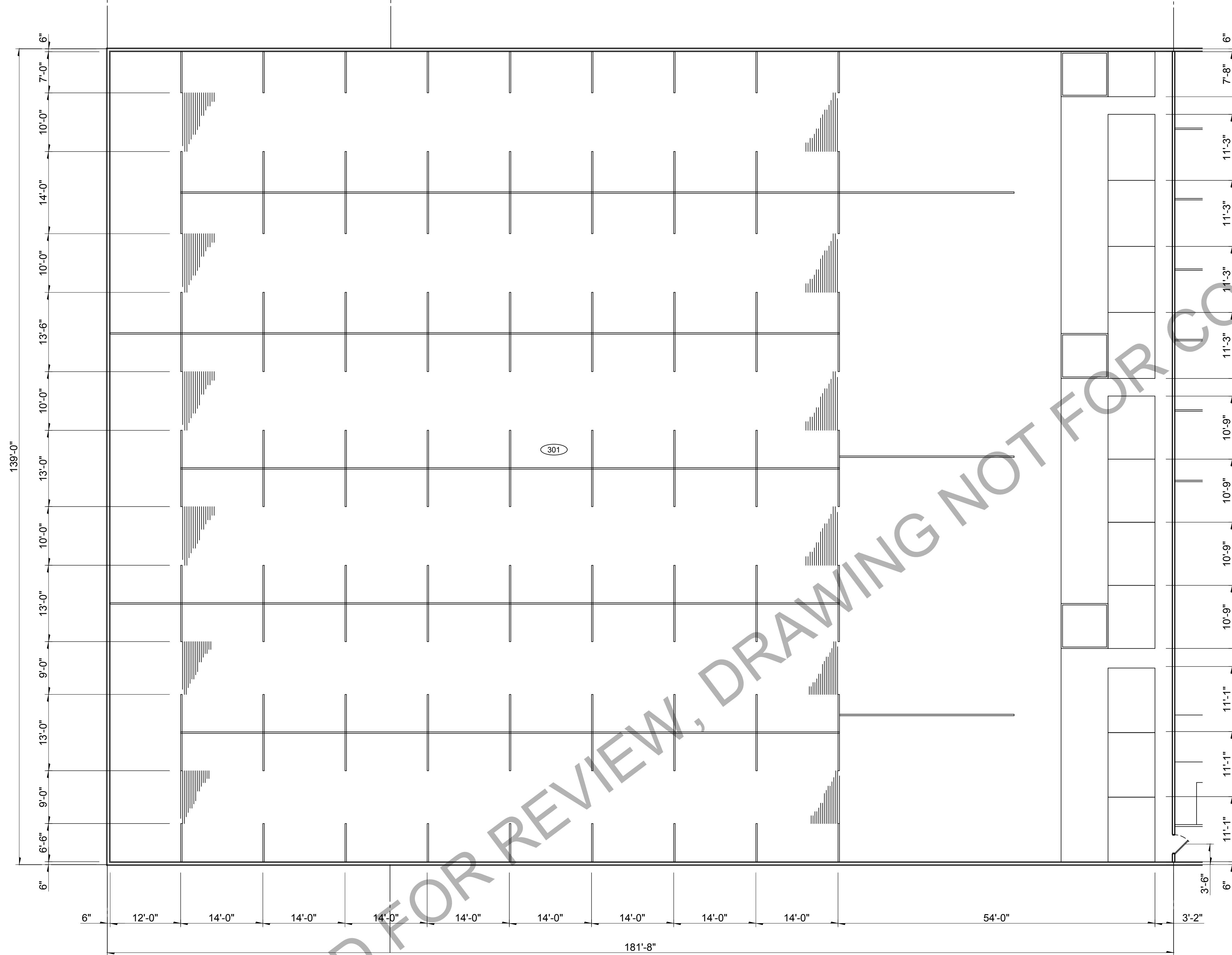
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QUARANTINE ROOM

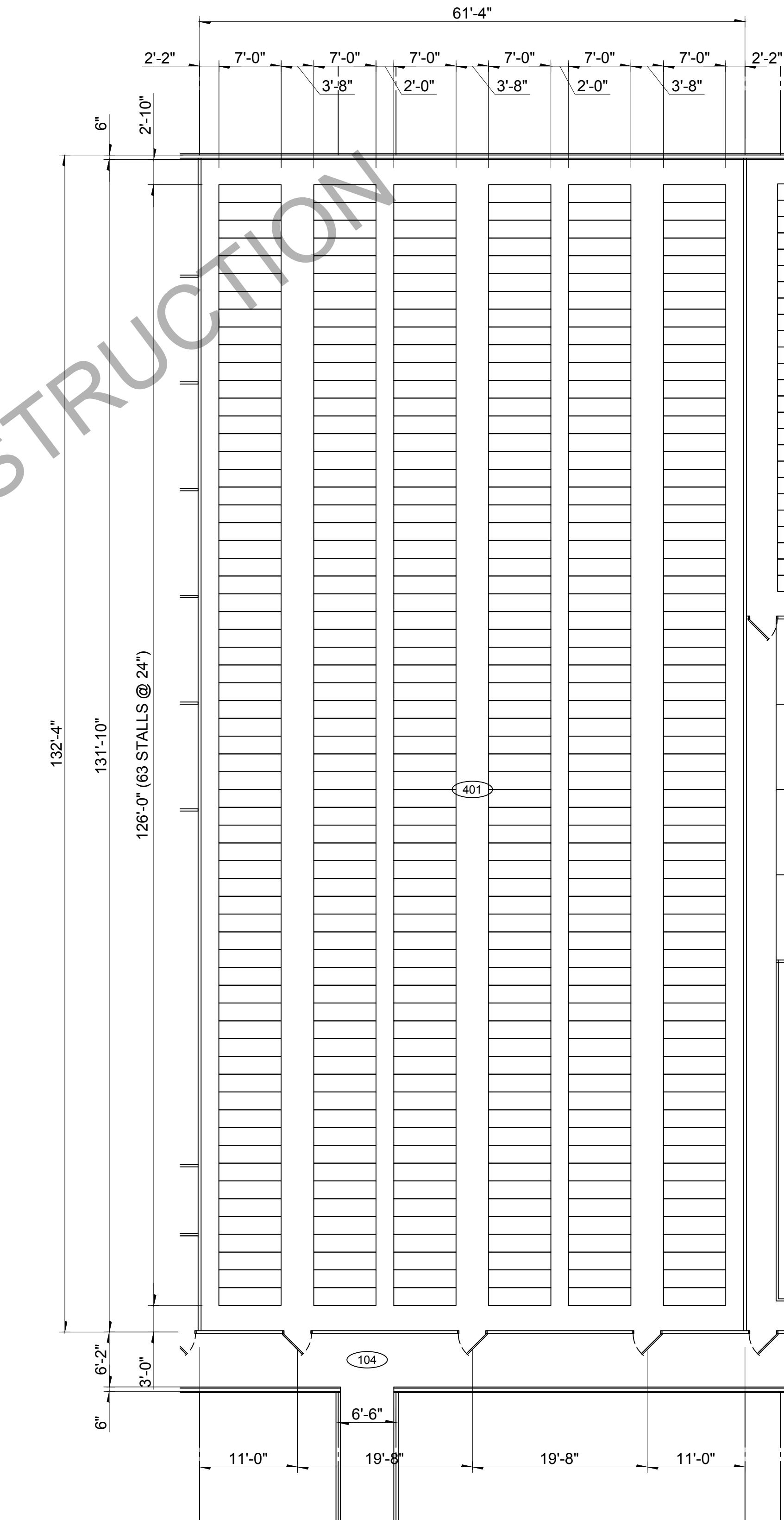
1" = 10'

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				DATE OCT./2016	SCALE AS NOTED	XREF PATH(S)	B1.2 REV. □ R00	



**DRYSOW ROOM #1**

1' = 10'



**BREEDING ROOM**

1' = 10'

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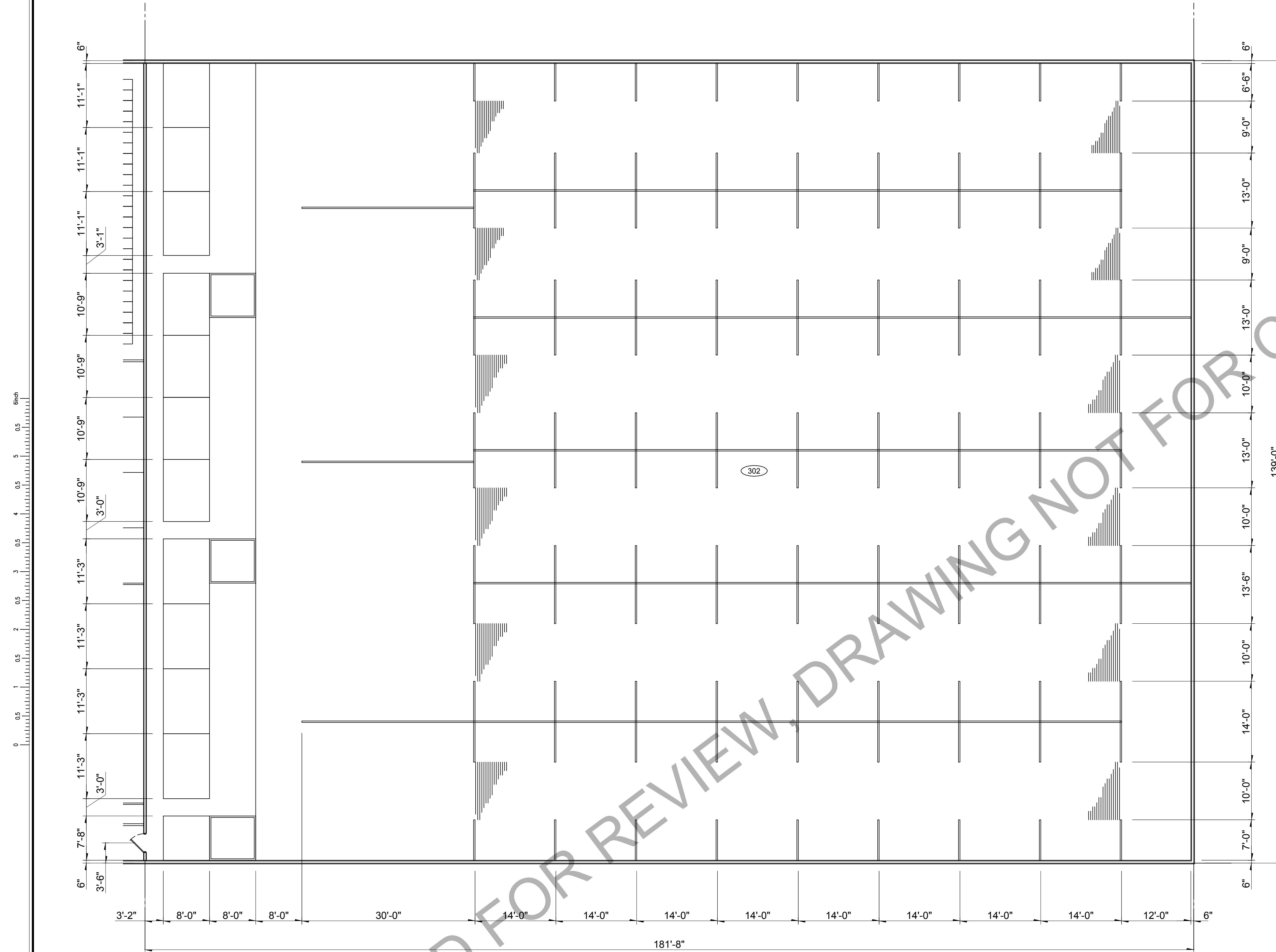


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CLIENT  
MANITOBA PORK COUNCIL  
28 TERRACON PLACE  
WINNIPEG, MB R2J 4G7

PROJECT TITLE  
FARROW TO WEAN  
BARN COMPLEX  
PROJECT LOCATION  
PROJECT NUMBER: 16-1-1306-005-30

3200 SOW BARN  
GROUND FLOOR  
PLAN - PARTIALS  
REV. □ R00  
B1.3



**DRYSOW ROOM #2**

1' = 10'

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CLIENT  
**MANITOBA PORK COUNCIL**

28 TERRACON PLACE  
WINNIPEG, MB R2J 4G7

PROJECT TITLE  
**FARROW TO WEAN  
BARN COMPLEX**

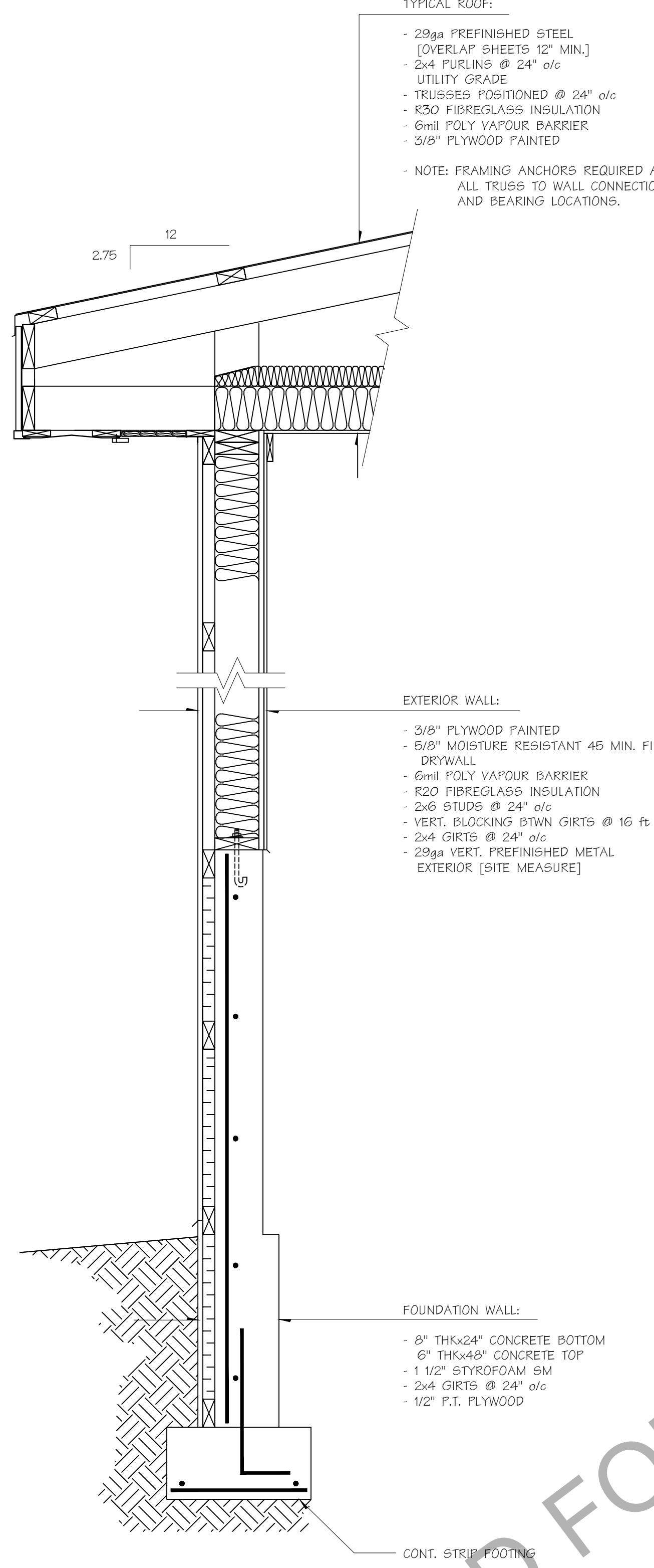
PROJECT LOCATION

PROJECT NUMBER: 16-1-1306-005-30

3200 SOW BARN  
GROUND FLOOR  
PLAN - PARTIALS

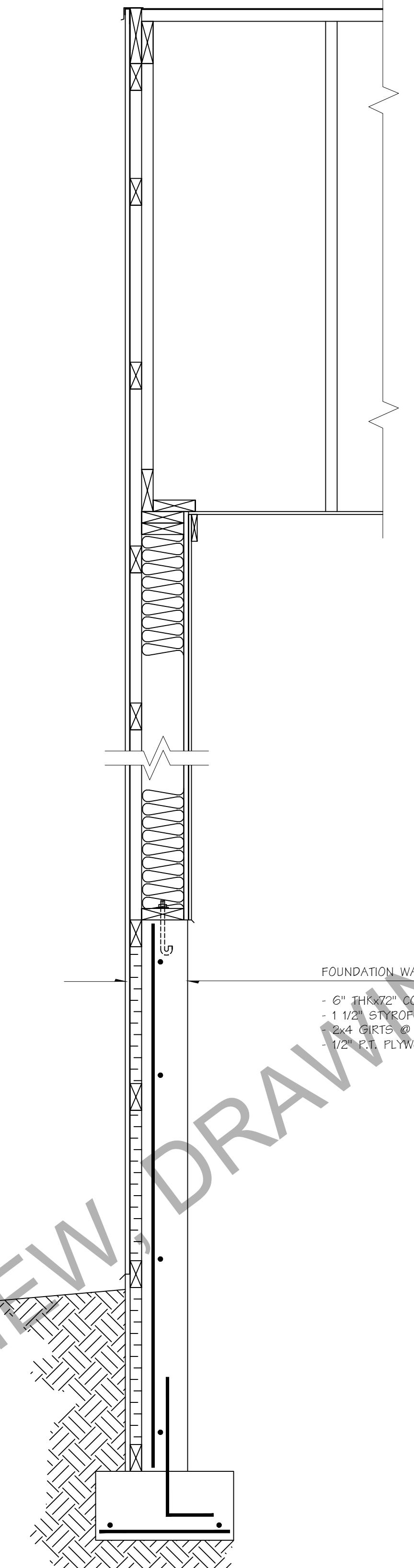
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**B1.4**



**TYPICAL SIDE  
WALL SECTION**

1  
B2  
SCALE: 1" = 1'-0"



**TYPICAL END  
WALL SECTION**

2  
B2  
SCALE: 1" = 1'-0"

REVISION	ENGINEER'S SEAL	
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DATE AUG./2016	SCALE AS NOTED	XREF PATH(S)

<b>FARROW TO WEAN BARN COMPLEX</b>	PROJECT TITLE
PROJECT LOCATION	
PROJECT NUMBER: 16-1-1306-005-30	
<b>3200 SOW BARN WALL SECTIONS</b>	

**B2**

**Manitoba Pork Council**

**Appendix B**

**Farrow Wean Barn Budget**

**Sample Barn, 3200 Head Farrow, 148,664 Square Feet**

Prepared by DGH Engineering Ltd.

2017-01-25

REVISED September 19, 2023

Item	Description	Unit	Quantity	Unit Price - Material	Unit Price - Labour	Unit Price - Equipment	Sub-Total Material	Sub-Total Labour & Equipment	Sub-Total Unit	Sub-Toral Category	Division Sub-Total Materials	Division Sub-Total Labour & Equipment	Division Total	Cost/sq. ft.
	<b>Division 1 -General Requirements</b>										\$ 61,369.00	\$ 1,244,227.35	\$ 1,305,596.35	\$ 8.78
	<b>Design, Engineering, and Construction Support</b>										\$ 65,500.00			
	Design, Engineering, and Construction Support	fee	1	\$ 44,800.00			\$ -	\$ 44,800.00	\$ 44,800.00					
	EMS Design Fees & Certification	fee	1	\$ 20,700.00			\$ -	\$ 20,700.00	\$ 20,700.00					
1300	<b>Administrative Requirements</b>										\$ 1,172,227.35			\$ 7.89
	Permits	fee	0.01		13,024,748.30		\$ -	\$ 130,247.48	\$ 130,247.48					
	Insurance	fee	0.03		13,024,748.30		\$ -	\$ 390,742.45	\$ 390,742.45					
	Overhead/Administration	allow	0.05		13,024,748.30		\$ -	\$ 651,237.42	\$ 651,237.42					
1400	<b>Quality Requirements</b>	allow	1	\$ 2,500.00			\$ -	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00				\$ 0.02
1500	<b>Temporary Facilities &amp; Controls</b>										\$ 61,369.00			\$ 0.41
	Miscellaneous Hardware & tools/Office Supplies/First Aid	allow	1	\$ 22,869.00				\$ 22,869.00	\$ -	\$ 22,869.00				
	Equipment Rental	allow	1	\$ 38,500.00				\$ 38,500.00	\$ -	\$ 38,500.00				
1700	<b>Execution Requirements</b>	allow	1	\$ 4,000.00			\$ -	\$ 4,000.00	\$ 4,000.00	\$ 4,000.00				\$ 0.03
	<b>Division 3 - Concrete</b>										\$ 1,507,435.77	\$ 1,023,524.32	\$ 2,530,960.09	\$ 17.02
3101	<b>Concrete Formwork</b>										\$ 1,141,598.46			\$ 7.68
	<b>Forms in Place</b>													
	Footings (9"x18") (1.5SFCA/lin ft)	lin ft	3846	\$ 1.71	\$ 3.88	\$ -	\$ 6,576.66	\$ 14,918.63	\$ 21,495.29					
	6' Grade Beam w/Slat Provision One Side	lin ft	556	\$ 9.86	\$ 24.93		\$ 5,484.38	\$ 13,861.08	\$ 19,345.46					
	6' Grade Beam w/Slat Provision Both Sides	lin ft	139	\$ 9.86	\$ 24.93		\$ 1,371.10	\$ 3,465.27	\$ 4,836.37					
	6' Grade Beam	lin ft	5443	\$ 8.42	\$ 19.44		\$ 45,851.83	\$ 105,811.92	\$ 151,663.75					
	Pit Walls (2' x 4") (4SFCA/lin ft)	lin ft	21319	\$ 2.59	\$ 14.58	\$ -	\$ 55,258.85	\$ 310,831.02	\$ 366,089.87					
	Pit Floors	sq ft	97976	\$ 0.44	\$ 2.21	\$ -	\$ 43,383.77	\$ 216,918.86	\$ 260,302.64					
	Floor	sq ft	58972	\$ 0.44	\$ 2.71	\$ -	\$ 26,112.80	\$ 159,578.23	\$ 185,691.03					
	48"x48"x10" Footing Pad and 8" Pillaster	ea	29	\$ 105.10	\$ 135.42		\$ 3,047.92	\$ 3,927.32	\$ 6,975.24					
	Bin Pads	sq ft	2026	\$ 0.82	\$ 6.15	\$ -	\$ 1,661.32	\$ 12,459.90	\$ 14,121.22					
	Aprons	sq ft	75	\$ 0.82	\$ 6.15	\$ -	\$ 61.50	\$ 461.25	\$ 522.75					
	<b>Pour Concrete</b>													
	Footings (9"x18")	cu yds	161	\$ -	\$ 21.50	\$ 5.90	\$ -	\$ 4,411.40	\$ 4,411.40					
	6' Grade Beam w/Slat Provision One Side	cu yds	69		\$ 32.50	\$ 8.85	\$ -	\$ 2,853.15	\$ 2,853.15					
	6' Grade Beam w/Slat Provision Both Sides	cu yds	19	\$ -	\$ 32.50	\$ 8.85	\$ -	\$ 785.65	\$ 785.65					
	6' Grade Beam	cu yds	605		\$ 32.50	\$ 8.85	\$ -	\$ 25,016.75	\$ 25,016.75					
	FIP Pit Walls (2' x 4")	cu yds	526	\$ -	\$ 17.95	\$ 4.93	\$ -	\$ 12,034.88	\$ 12,034.88					
	Pit Floors	cu yds	1209	\$ -	\$ 25.00	\$ 6.80	\$ -	\$ 38,446.20	\$ 38,446.20					
	Floor	cu yds	728	\$ -	\$ 25.00	\$ 6.80	\$ -	\$ 23,150.40	\$ 23,150.40					
	48"x48"x10" Footing Pad and 8" Pillaster	cu yds	20	\$ -	\$ 54.00	\$ 14.80	\$ -	\$ 1,376.00	\$ 1,376.00					
	Bin Pads	cu yds	76	\$ -	\$ 25.00	\$ 6.80	\$ -	\$ 2,416.80	\$ 2,416.80					
	Aprons	cu yds	2	\$ -	\$ 25.00	\$ 6.80	\$ -	\$ 63.60	\$ 63.60					
3200	<b>Concrete Reinforcement</b>										\$ 158,236.63			\$ 1.06
	Footings													

15M Rebar	ea	481	\$ 14.65			\$ 7,046.65	\$ -	\$ 7,046.65					
10M Dowels	ea	2020	\$ 2.63			\$ 5,312.60	\$ -	\$ 5,312.60					
10M Rebar	ea	161	\$ 7.40			\$ 1,191.40	\$ -	\$ 1,191.40					
Grade Beams													
15M Rebar	ea	1433	\$ 14.65			\$ 20,993.45	\$ -	\$ 20,993.45					
10M Rebar	ea	1075	\$ 7.40			\$ 7,955.00	\$ -	\$ 7,955.00					
10M Dowel	ea	1146	\$ 1.82			\$ 2,085.72	\$ -	\$ 2,085.72					
Pit Walls													
10M Rebar	ea	4353	\$ 7.40			\$ 32,212.20	\$ -	\$ 32,212.20					
Pit Floors													
10M Rebar	ea	6407	\$ 7.40			\$ 47,411.80	\$ -	\$ 47,411.80					
Floor													
10M Rebar	ea	3578	\$ 7.40			\$ 26,477.20	\$ -	\$ 26,477.20					
48"x48"x10" Footing Pad and 8" Pillaster													
15M Rebar	ea	87	\$ 14.65			\$ 1,274.55	\$ -	\$ 1,274.55					
10M Rings	ea	87	\$ 2.93			\$ 254.91	\$ -	\$ 254.91					
Bin Pads & Aprons													
15M Rebar	ea	411	\$ 14.65			\$ 6,021.15	\$ -	\$ 6,021.15					
<b>3310 Basic Concrete Materials</b>									<b>\$ 785,952.80</b>				<b>\$ 5.29</b>
Footings (9"x18") (0.0417/yds/lin ft)	cu yds	178	\$ 202.88			\$ 6.15	\$ 36,112.64	\$ 1,094.70	\$ 37,207.34				
6' Grade Beam w/Slat Provision One Side	cu yds	76	\$ 202.88			\$ 6.15	\$ 15,418.88	\$ 467.40	\$ 15,886.28				
6' Grade Beam w/Slat Provision Both Sides	cu yds	21	\$ 202.88			\$ 6.15	\$ 4,260.48	\$ 129.15	\$ 4,389.63				
6' Grade Beam	cu yds	666	\$ 202.88			\$ 6.15	\$ 135,118.08	\$ 4,095.90	\$ 139,213.98				
Pit Walls (2' x 4")	cu yds	579	\$ 202.88			\$ 6.15	\$ 117,467.52	\$ 3,560.85	\$ 121,028.37				
Pit Floors	cu yds	1330	\$ 202.88			\$ 6.15	\$ 269,830.40	\$ 8,179.50	\$ 278,009.90				
Floor	cu yds	801	\$ 202.88			\$ 6.15	\$ 162,506.88	\$ 4,926.15	\$ 167,433.03				
48"x48"x10" Footing Pad and 8" Pillaster	cu yds	22	\$ 202.88			\$ 6.15	\$ 4,463.36	\$ 135.30	\$ 4,598.66				
Bin Pads	cu yds	84	\$ 202.88			\$ 6.15	\$ 17,041.92	\$ 516.60	\$ 17,558.52				
Aprons	cu yds	3	\$ 202.88			\$ 6.15	\$ 608.64	\$ 18.45	\$ 627.09				
<b>3480 Precast Concrete Specialties (Slats)</b>									<b>\$ 445,172.20</b>				<b>\$ 2.99</b>
Slats	sq ft	47612	\$ 8.35				\$ 397,560.20	\$ -	\$ 397,560.20				
Install Slats	sq ft	47612		\$ 0.64	\$ 0.36	\$ -	\$ 47,612.00	\$ 47,612.00					
<b>Division 5 - Structural Steel</b>									<b>\$ 15,905.00</b>	<b>\$ 3,379.95</b>	<b>\$ 19,284.95</b>		<b>\$ 0.13</b>
<b>5100 Structural Steel Columns and Beams</b>									<b>\$ 16,284.95</b>				
6"x6"x1/4" HSS 10' cw/Base and Top Plate	ea	29	\$ 445.00	\$ 66.55	\$ 50.00	\$ 12,905.00	\$ 3,379.95	\$ 16,284.95					
<b>5500 Metal Fabrications</b>									<b>\$ 3,000.00</b>				
Misc Fabrications	allow	1	\$ 3,000.00				\$ 3,000.00	\$ -	\$ 3,000.00				
<b>Division 6 - Wood &amp; Plastics</b>									<b>\$ 1,156,247.19</b>	<b>\$ 787,287.73</b>	<b>\$ 1,943,534.92</b>		<b>\$ 13.07</b>
<b>6090 Fasteners</b>									<b>\$ 32,411.85</b>				
1/2" Anchor Bolts w Nut and Washer	ea	3075	\$ 1.71				\$ 5,258.25	\$ -	\$ 5,258.25				
Edge Purlin Splice (T&B) 20ga 4"x20" Steel Strap	ea	576	\$ 9.35				\$ 5,385.60	\$ -	\$ 5,385.60				
Simpson Strong Tie at Truss Ends	ea	1200	\$ 0.64				\$ 768.00	\$ -	\$ 768.00				
Allowance Nails & Screws	allow	1	\$ 21,000.00				\$ 21,000.00	\$ -	\$ 21,000.00				
<b>6110 Structural Wood Framing</b>									<b>\$ 246,782.10</b>				<b>\$ 1.66</b>
2x6 Stud Wall @ 24" o/c 9' ht(incl 2xT.P. & PT B.P.)	lin ft	242	\$ 9.06				\$ 2,192.52	\$ -	\$ 2,192.52				
2x6 Stud Wall @ 24" o/c 6' ht(incl 2xT.P. & PT B.P.)	lin ft	3846	\$ 6.99				\$ 26,883.54	\$ -	\$ 26,883.54				
2x4 Stud Wall @ 24" o/c 6' ht(incl 2xT.P. & PT B.P.)	lin ft	2402	\$ 4.80				\$ 11,529.60	\$ -	\$ 11,529.60				
2x4 Stud Wall @ 16" o/c 9' ht(incl 2xT.P. & PT B.P.)	lin ft	0	\$ 5.96				\$ -	\$ -	\$ -				
2x4 Girts @ 24"	BF	7557	\$ 1.01				\$ 7,632.57	\$ -	\$ 7,632.57				
2x4 PT Girts, to Concrete	BF	3779	\$ 1.82				\$ 6,877.78	\$ -	\$ 6,877.78				
2x6 Columns	BF	804	\$ 1.04				\$ 836.16	\$ -	\$ 836.16				

2x6 Header	BF	536	\$ 1.04			\$ 557.44	\$ -	\$ 557.44					
2 ply 2x8 Lintel	BF	893	\$ 1.04			\$ 928.72	\$ -	\$ 928.72					
2 ply 2x10 Lintel	BF	0	\$ 1.21			\$ -	\$ -	\$ -					
2 ply 2x12 Lintel	BF	0	\$ 1.90			\$ -	\$ -	\$ -					
2x4 Purlins (incl'd Valleys)	BF	51376	\$ 1.01			\$ 51,889.76	\$ -	\$ 51,889.76					
2x4 Lateral Bracing	BF	16800	\$ 1.01			\$ 16,968.00	\$ -	\$ 16,968.00					
2x6 Vertical Sway Bracing	BF	5600	\$ 1.01			\$ 5,656.00	\$ -	\$ 5,656.00					
2x6 Anchor Bracing	BF	1528	\$ 1.01			\$ 1,543.28	\$ -	\$ 1,543.28					
2x6 Blocking under Splice Plates	BF	1152	\$ 1.01			\$ 1,163.52	\$ -	\$ 1,163.52					
1x4 Web Nailer	BF	764	\$ 1.22			\$ 932.08	\$ -	\$ 932.08					
2x4 Ceiling Strapping	BF	50673	\$ 1.01			\$ 51,179.73	\$ -	\$ 51,179.73					
2x6 Purlins	BF	4584	\$ 1.01			\$ 4,629.84	\$ -	\$ 4,629.84					
2x6 Heels	BF	4584	\$ 1.01			\$ 4,629.84	\$ -	\$ 4,629.84					
1x4 Soffit Nailer	BF	1528	\$ 1.22			\$ 1,864.16	\$ -	\$ 1,864.16					
1x4 Painted Trim Board	BF	3144	\$ 1.22			\$ 3,835.68	\$ -	\$ 3,835.68					
Soffit Doors, 8'	ea	264	\$ 66.06			\$ 17,439.84	\$ -	\$ 17,439.84					
2x6 P.T. rough bucks for doors/windows	BF	544	\$ 1.82			\$ 990.08	\$ -	\$ 990.08					
2x4 P.T. sill plate for doors/windows	BF	183	\$ 1.82			\$ 333.06	\$ -	\$ 333.06					
Interior Galv. Drip Flashing	lin ft	9442	\$ 1.10			\$ 10,386.20	\$ -	\$ 10,386.20					
2x2 Recirc duct	BF	13035	\$ 1.22			\$ 15,902.70	\$ -	\$ 15,902.70					
<b>6160 Sheathing</b>									<b>\$ 222,029.44</b>				<b>\$ 1.49</b>
1/2" P.T. Plywood Sheathing	sq ft	5668	\$ 2.06			\$ 11,676.08	\$ -	\$ 11,676.08					
3/8" OSB Sheathing Recirc duct	sq ft	55835	\$ 0.56			\$ 31,267.60	\$ -	\$ 31,267.60					
3/8" OSB for Attic Smoke Stops (22)	sq ft	109296	\$ 0.56			\$ 61,205.76	\$ -	\$ 61,205.76					
3/8" OSB to Wall, P.N.	sq ft	56652	\$ 0.56			\$ 31,725.12	\$ -	\$ 31,725.12					
3/8" OSB to Gables, P.N.	sq ft	5184	\$ 0.56			\$ 2,903.04	\$ -	\$ 2,903.04					
3/8" OSB to Ceiling, P.N.	sq ft	148664	\$ 0.56			\$ 83,251.84	\$ -	\$ 83,251.84					
<b>6170 Pre-Fabricated Structural Wood</b>									<b>\$ 655,023.80</b>				<b>\$ 4.41</b>
Girder Truss	lin ft	557	\$ 55.00			\$ 30,635.00	\$ -	\$ 30,635.00					
Pre-Fabricated Trusses w. 2' Overhang	sq ft	148664	\$ 4.20			\$ 624,388.80	\$ -	\$ 624,388.80					
<b>6220 Framing Labour</b>									<b>\$ 787,287.73</b>				<b>\$ 5.30</b>
2x6 Stud Wall @ 24" o/c 9' ht (Incl 2xT.P. & PT B.P.)	lin ft	242	\$ 6.80			\$ -	\$ 1,645.60	\$ 1,645.60					
2x6 Stud Wall @ 24" o/c 6' ht (Incl 2xT.P. & PT B.P.)	lin ft	3846	\$ 6.80			\$ -	\$ 26,152.80	\$ 26,152.80					
2x4 Stud Wall @ 24" o/c 6' ht (Incl 2xT.P. & PT B.P.)	lin ft	2402	\$ 6.25			\$ -	\$ 15,012.50	\$ 15,012.50					
2x4 Stud Wall @ 16" o/c 9' ht (Incl 2xT.P. & PT B.P.)	lin ft	0	\$ 7.80			\$ -	\$ -	\$ -					
2x4 Girts @ 24"	BF	7557	\$ 1.33			\$ -	\$ 10,065.92	\$ 10,065.92					
2x4 PT Girts, to Concrete	BF	3779	\$ 1.62			\$ -	\$ 6,121.98	\$ 6,121.98					
2x6 Columns	BF	804	\$ 0.85			\$ -	\$ 680.18	\$ 680.18					
2x6 Header	BF	536	\$ 2.34			\$ -	\$ 1,254.24	\$ 1,254.24					
2 ply 2x8 Lintel	BF	893	\$ 1.87			\$ -	\$ 1,671.70	\$ 1,671.70					
2 ply 2x10 Lintel	BF	0	\$ 1.60			\$ -	\$ -	\$ -					
2 ply 2x12 Lintel	BF	0	\$ 1.42			\$ -	\$ -	\$ -					
2x4 Purlins (incl'd Valleys)	BF	51376	\$ 1.33			\$ -	\$ 68,432.83	\$ 68,432.83					
2x4 Lateral Bracing	BF	16800	\$ 1.33			\$ -	\$ 22,377.60	\$ 22,377.60					
2x6 Vertical Sway Bracing	BF	5600	\$ 1.33			\$ -	\$ 7,459.20	\$ 7,459.20					
2x6 Anchor Bracing	BF	1528	\$ 1.33			\$ -	\$ 2,035.30	\$ 2,035.30					
2x6 Blocking under Splice Plates	BF	1152	\$ 1.83			\$ -	\$ 2,108.16	\$ 2,108.16					
1x4 Web Nailer	BF	764	\$ 2.82			\$ -	\$ 2,152.19	\$ 2,152.19					
2x4 Ceiling Strapping	BF	50673	\$ 1.44			\$ -	\$ 72,969.12	\$ 72,969.12					
2x6 Purlins	BF	4584	\$ 0.95			\$ -	\$ 4,331.88	\$ 4,331.88					
2x6 Heels	BF	4584	\$ 1.69			\$ -	\$ 7,756.13	\$ 7,756.13					

1x4 Soffit Nailer	BF	1528	\$ 2.81		\$ -	\$ 4,290.62	\$ 4,290.62				
1x4 Painted Trim Board	BF	3144	\$ 2.00		\$ -	\$ 6,288.00	\$ 6,288.00				
Soffit Doors, 8'	ea	264	\$ 30.00		\$ -	\$ 7,920.00	\$ 7,920.00				
2x6 P.T. rough bucks for doors/windows	BF	544	\$ 1.95		\$ -	\$ 1,060.80	\$ 1,060.80				
2x4 P.T. sill plate for doors/windows	BF	183	\$ 1.95		\$ -	\$ 356.85	\$ 356.85				
Interior Galv. Drip Flashing	lin ft	9442	\$ 1.17		\$ -	\$ 11,047.14	\$ 11,047.14				
2x3 Recirc duct	BF	13035	\$ 1.88			\$ 24,505.80	\$ 24,505.80				
1/2" P.T. Plywood Sheathing	sq ft	5668	\$ 0.83		\$ -	\$ 4,704.44	\$ 4,704.44				
3/8" OSB Sheathing Recirc duct	sq ft	55835	\$ 0.69		\$ -	\$ 38,526.15	\$ 38,526.15				
3/8" OSB for Attic Smoke Stops	sq ft	109296	\$ 0.63		\$ -	\$ 68,856.48	\$ 68,856.48				
3/8" OSB to Wall, P.N.	sq ft	56652	\$ 0.63		\$ -	\$ 35,690.76	\$ 35,690.76				
3/8" OSB to Gables, P.N.	sq ft	5184	\$ 0.63		\$ -	\$ 3,265.92	\$ 3,265.92				
3/8" OSB to Ceiling, P.N.	sq ft	148664	\$ 0.69		\$ -	\$ 102,578.16	\$ 102,578.16				
Pre-Fabricated Trusses w/ 2' Overhang	sq ft	148664	\$ 0.80	\$ 0.72	\$ -	\$ 225,969.28	\$ 225,969.28				
<b>Division 7 - Thermal &amp; Moisture Protection</b>											
<b>7210 Building Insulation</b>											\$ 5.06
R30 blow in insulation	sq ft	148664	\$ 0.82	\$ 0.64	\$ 0.34	\$ 121,904.48	\$ 145,690.72	\$ 267,595.20			\$ 2.11
Insulation Stops	ea	1144	\$ 3.94			\$ 4,507.36	\$ -	\$ 4,507.36			
Perimeter Ins., 2" Polystyrene (R7.69) below grade	sq ft	5668	\$ 1.59			\$ 9,012.12	\$ -	\$ 9,012.12			
Perimeter Ins., 1 1/2" Polystyrene (R7.69) around perimeter conc	sq ft	11336	\$ 1.37			\$ 15,530.32	\$ -	\$ 15,530.32			
6"x23" Fibreglass Batts Unfaced (R20)	sq ft	17004	\$ 0.93			\$ 15,813.72	\$ -	\$ 15,813.72			
<b>7260 Vapour Retarders</b>											\$ 0.11
Urethane Sill Gasket	lin ft	6138	\$ 0.24			\$ 1,473.12	\$ -	\$ 1,473.12			
6mil Poly Vapour Barrier	C. sq ft	2245	\$ 6.85			\$ 15,378.25	\$ -	\$ 15,378.25			
<b>7400 Roofing &amp; Siding Panels</b>											\$ 1.58
10' Wall Metal Cladding	lin ft	9450	\$ 4.38			\$ 41,391.00	\$ -	\$ 41,391.00			
40' Roof Metal Cladding	lin ft	14240	\$ 4.38			\$ 62,371.20	\$ -	\$ 62,371.20			
35' Roof Metal Cladding	lin ft	12460	\$ 4.38			\$ 54,574.80	\$ -	\$ 54,574.80			
5' 8" Roof Metal Cladding	lin ft	152	\$ 4.38			\$ 665.76	\$ -	\$ 665.76			
16' Wall Gable Metal Cladding	lin ft	1728	\$ 4.38			\$ 7,568.64	\$ -	\$ 7,568.64			
2' Fascia	lin ft	1528	\$ 4.90			\$ 7,487.20	\$ -	\$ 7,487.20			
2' Soffit	sq ft	4584	\$ 1.05			\$ 4,813.20	\$ -	\$ 4,813.20			
J Trim	lin ft	6470	\$ 1.26			\$ 8,152.20	\$ -	\$ 8,152.20			
Rake Flashing	lin ft	2290	\$ 1.94			\$ 4,442.60	\$ -	\$ 4,442.60			
Divider Flashing	lin ft	560	\$ 1.26			\$ 705.60	\$ -	\$ 705.60			
Base Drip Flashing	lin ft	2840	\$ 1.26			\$ 3,578.40	\$ -	\$ 3,578.40			
Outside Corner	lin ft	80	\$ 3.20			\$ 256.00	\$ -	\$ 256.00			
Inside Corner	lin ft	40	\$ 3.10			\$ 124.00	\$ -	\$ 124.00			
Fascia	lin ft	2290	\$ 1.84			\$ 4,213.60	\$ -	\$ 4,213.60			
Gable Flashing	lin ft	300	\$ 2.99			\$ 897.00	\$ -	\$ 897.00			
Ridge Cap	lin ft	1150	\$ 3.15			\$ 3,622.50	\$ -	\$ 3,622.50			
Butyl Tape, 50' roll	ea	530	\$ 8.95			\$ 4,743.50	\$ -	\$ 4,743.50			
Foam Closures	ea	766	\$ 4.28			\$ 3,278.48	\$ -	\$ 3,278.48			
#10 x 1 1/2" Pre-painted Screws w/neoprene washer	ea	114100	\$ 0.13			\$ 14,833.00	\$ -	\$ 14,833.00			
#12 x 5/8" Pre-painted Stitch Screw w/neoprene washer	ea	38100	\$ 0.18			\$ 6,858.00	\$ -	\$ 6,858.00			
<b>7900 Joint Sealers</b>											\$ 0.02
Plumbing Stack Boots	ea	2	\$ 95.00			\$ 190.00	\$ -	\$ 190.00			
Chimney Fan Seal Kit	ea	3	\$ 210.00			\$ 630.00	\$ -	\$ 630.00			
Acoustical Sealant, 3/4" dia	c. lin ft	189	\$ 14.87			\$ 2,810.43	\$ -	\$ 2,810.43			
<b>7990 Installation of Insulation and Cladding</b>											\$ 1.24
Insulation Stops	ea	1144	\$ 1.50		\$ -	\$ 1,716.00	\$ 1,716.00				

Perimeter Ins., 2" Polystyrene (R7.69)	sq ft	5668		\$ 0.64		\$ -	\$ 3,627.52	\$ 3,627.52							
Perimeter Ins., 1 1/2" Polystyrene (R7.69) around perimeter conc	sq ft	11336		\$ 0.64		\$ -	\$ 7,255.04	\$ 7,255.04							
6"x23" Fiberglass Batts Unfaced (R20)	sq ft	17004		\$ 0.35		\$ -	\$ 5,951.40	\$ 5,951.40							
Urethane Sill Gasket	lin ft	6138		\$ 0.20		\$ -	\$ 1,227.60	\$ 1,227.60							
6mil Poly Vapour Barrier	c. sq ft	2245		\$ 12.65		\$ -	\$ 28,399.25	\$ 28,399.25							
10' Wall Metal Cladding	lin ft	9450		\$ 4.58		\$ -	\$ 43,281.00	\$ 43,281.00							
40' Roof Metal Cladding	lin ft	12460		\$ 3.49		\$ -	\$ 43,485.40	\$ 43,485.40							
35' Roof Metal Cladding	lin ft	152		\$ 3.49		\$ -	\$ 530.48	\$ 530.48							
5' 8" Roof Metal Cladding	lin ft	1728		\$ 3.49		\$ -	\$ 6,030.72	\$ 6,030.72							
16' Wall Gable Metal Cladding	lin ft	1528		\$ 4.58		\$ -	\$ 6,998.24	\$ 6,998.24							
2' Fascia	lin ft	4584		\$ 4.58		\$ -	\$ 20,994.72	\$ 20,994.72							
Acoustical Sealant, 3/4" dia	c. lin ft	189		\$ 75.00		\$ -	\$ 14,175.00	\$ 14,175.00							
<b>Division 8 - Doors &amp; Windows</b>												\$ 75,601.80	\$ 23,713.32	\$ 99,315.12	\$ 0.67
<b>8100 Steel Doors &amp; Frame</b>												\$ 80,018.25			
Steel Door, Insulated, 18 ga, 3'0" x 6' 8" with Frame/Hardware	ea	3	\$ 2,864.95	\$ 578.50		\$ 8,594.85	\$ 1,735.50	\$ 10,330.35							
Steel Double Door, Insulated, 18 ga, 6'0" x 6' 8" with Frame/Hardware	ea	1	\$ 3,479.95	\$ 641.00		\$ 3,479.95	\$ 641.00	\$ 4,120.95							
Emergency Exits	ea	33	\$ 1,061.90	\$ 389.75		\$ 35,042.70	\$ 12,861.75	\$ 47,904.45							
Interior Office Door c/w Frame and Hardware	ea	15	\$ 1,013.00	\$ 164.50		\$ 15,195.00	\$ 2,467.50	\$ 17,662.50							
<b>8200 Wood &amp; Plastic Doors</b>												\$ 15,306.87			\$ 0.10
Site Built Wood Door 3'0" x 6'8"	ea	31	\$ 225.00	\$ 135.00		\$ 6,975.00	\$ 4,185.00	\$ 11,160.00							
Wood Frame, 5/4x4 9/16" deep	lin ft	403	\$ 8.10	\$ 2.19		\$ 3,264.30	\$ 882.57	\$ 4,146.87							
<b>8300 Specialty Doors</b>												\$ 3,990.00			\$ 0.03
3'x7' Overhead Door, 24 ga. Steel, chain hoist operated	ea	2	\$ 1,525.00	\$ 470.00		\$ 3,050.00	\$ 940.00	\$ 3,990.00							
<b>Division 9 - Finishes</b>												\$ 93,641.10	\$ 196,479.18	\$ 290,120.28	\$ 1.95
<b>9100 Metal Support Assemblies</b>												\$ 3,880.80			\$ 0.03
5/16" T-Bar Support System, 2'x4' grid	sq ft	1980	\$ 1.37	\$ 0.59		\$ 2,712.60	\$ 1,168.20	\$ 3,880.80							
<b>9250 Gypsum Board</b>												\$ 66,169.20			\$ 0.45
5/8" FR Drywall, Moisture Resistant	sq ft	29148	\$ 1.09			\$ 31,771.32	\$ -	\$ 31,771.32							
5/8" Drywall	sq ft	7792	\$ 0.74			\$ 5,766.08	\$ -	\$ 5,766.08							
Boarding, Walls	sq ft	34960	\$ -	\$ 0.47		\$ -	\$ 16,431.20	\$ 16,431.20							
Boarding, Ceilings	sq ft	1980	\$ -	\$ 0.52		\$ -	\$ 1,029.60	\$ 1,029.60							
Tape & Finish, Walls	sq ft	7792	\$ -	\$ 0.50		\$ -	\$ 3,896.00	\$ 3,896.00							
Firetape, Walls	sq ft	29148	\$ 0.05	\$ 0.15		\$ 1,457.40	\$ 4,372.20	\$ 5,829.60							
Tape & Finish, Ceilings	sq ft	1980	\$ -	\$ 0.73		\$ -	\$ 1,445.40	\$ 1,445.40							
<b>9500 Ceiling</b>												\$ 6,811.20			\$ 0.05
5/8" Mineral Fibre Tiles	sq ft	1980	\$ 2.69	\$ 0.75		\$ 5,326.20	\$ 1,485.00	\$ 6,811.20							
<b>9910 Painting</b>												\$ 213,259.08			\$ 1.43
Paint walls & ceilings	sq ft	213108		\$ 0.76		\$ -	\$ 161,962.08	\$ 161,962.08							
Paint Doors	ea	83	\$ 20.50	\$ 56.50		\$ 1,701.50	\$ 4,689.50	\$ 6,391.00							
Oil Primer	5 gal	135	\$ 102.00	\$ -		\$ 13,770.00	\$ -	\$ 13,770.00							
Latex Paint	5 gal	224	\$ 139.00	\$ -		\$ 31,136.00	\$ -	\$ 31,136.00							
<b>Division 10 - Specialties</b>												\$ 5,346.00	\$ 688.60	\$ 6,034.60	\$ 0.04
<b>10520 Fire Protection Specialties</b>												\$ 6,034.60			
All Purpose 9 1/2 lbs Extinguisher	ea	44	\$ 121.50			\$ 5,346.00	\$ -	\$ 5,346.00							
Mount Extinguishers	ea	44		\$ 15.65		\$ -	\$ 688.60	\$ 688.60							
<b>Division 11 - Building Equipment</b>												\$ 5,040,233.89	\$ 533,050.18	\$ 5,573,284.07	\$ 37.49
<b>11800 Barn Equipment</b>															\$ -
<b>Penning, Stalls &amp; Flooring</b>												\$ 2,265,967.97			\$ 15.24
Boar Pens	ea	8	\$ 631.13			\$ 5,049.00		\$ 5,049.00							
Gilt Stalls, black steel	ea	503	\$ 499.49			\$ 251,242.46		\$ 251,242.46							
PVC Plank 2" x 38" x 22'	ea	250	\$ 447.34			\$ 111,835.35		\$ 111,835.35							

PVC Bullnose, 2"x32"	ea	104	\$ 15.37		\$ 1,598.56		\$ 1,598.56					
PVC Droprod 3/4"x20'	ea	21	\$ 40.45		\$ 849.44		\$ 849.44					
1/4" SS Bolt/Washers/Lock Nuts	ea	750	\$ 0.73		\$ 550.80		\$ 550.80					
SS 6 Loop U-channel Post 38" w/Plate	ea	44	\$ 87.37		\$ 3,844.31		\$ 3,844.31					
SS 3 Loop U-channel Post 38" w/Plate	ea	27	\$ 89.79		\$ 2,424.38		\$ 2,424.38					
SS 2-way U-Channel Post 38" w/Plate	ea	8	\$ 114.88		\$ 919.02		\$ 919.02					
SS 3-way U-Channel Post 38" w/Plate	ea	12	\$ 122.31		\$ 1,467.73		\$ 1,467.73					
SS 4-way U-Channel Post 38" w/Plate	ea	108	\$ 142.70		\$ 15,411.19		\$ 15,411.19					
SS U-Channel Post 38" w/Plate	ea	281	\$ 71.19		\$ 20,004.64		\$ 20,004.64					
SS Wall U-Channel Post, 38"	ea	57	\$ 63.75		\$ 3,633.75		\$ 3,633.75					
SS 3-Loop Wall Bracket	ea	20	\$ 57.44		\$ 1,148.88		\$ 1,148.88					
3/8" SS Lag Bolts	ea	250	\$ 2.18		\$ 544.00		\$ 544.00					
SS T-Bolt w/nuts and washers	ea	2200	\$ 7.46		\$ 16,409.25		\$ 16,409.25					
Nursery Flooring	ea	3680	\$ 7.89		\$ 29,035.20		\$ 29,035.20					
Farrow Crates (c/w flooring & creep penning)	ea	800	\$ 2,250.00		\$ 1,800,000.00		\$ 1,800,000.00					
<b>Animal HVAC</b>								<b>\$ 469,304.52</b>				<b>\$ 3.16</b>
Exhaust Fan - Better Air LPF-2400	ea	25	\$ 893.70		\$ 22,342.50		\$ 22,342.50					
Exhaust Fan - Better Air LPF-2800	ea	1	\$ 1,071.00		\$ 1,071.00		\$ 1,071.00					
Exhaust Fan - Better Air LPF-3800	ea	4	\$ 1,334.70		\$ 5,338.80		\$ 5,338.80					
Exhaust Fan - Better Air LPF-4800	ea	8	\$ 1,994.40		\$ 15,955.20		\$ 15,955.20					
Exhaust Fan - Better Air LPF-1200	ea	1	\$ 564.30		\$ 564.30		\$ 564.30					
Exhaust Fan - Better Air LPF-1400	ea	40	\$ 570.60		\$ 22,824.00		\$ 22,824.00					
Exhaust Fan - Better Air LPF-1600	ea	1	\$ 640.80		\$ 640.80		\$ 640.80					
Exhaust Fan - Better Air LPF-1800	ea	22	\$ 692.10		\$ 15,226.20		\$ 15,226.20					
Exhaust Fan - Better Air LPF-5000	ea	2	\$ 2,136.60		\$ 4,273.20		\$ 4,273.20					
Exhaust Fan - Better Air FW-6020	ea	6	\$ 2,886.30		\$ 17,317.80		\$ 17,317.80					
Exhaust Fan - Better Air CFM 18 Chimney Fan	ea	1	\$ 772.20		\$ 772.20		\$ 772.20					
Exhaust Fan - Better Air CFM 25 Chimney Fan	ea	2	\$ 1,150.20		\$ 2,300.40		\$ 2,300.40					
Chimney and Damper, 18"	ea	1	\$ 338.40		\$ 338.40		\$ 338.40					
Chimney and Damper, 25"	ea	2	\$ 552.60		\$ 1,105.20		\$ 1,105.20					
Recirc Fan Better Air LCF 1400	ea	2	\$ 469.80		\$ 939.60		\$ 939.60					
Recirc Fan Better Air LCF 1800	ea	20	\$ 545.40		\$ 10,908.00		\$ 10,908.00					
Recirc Fan Better Air LCF 2400	ea	14	\$ 675.90		\$ 9,462.60		\$ 9,462.60					
Recirc.Fan LCF-2000	ea	0	\$ 585.90		\$ -		\$ -					
16/18" Backdraft Damper	ea	44	\$ 120.60		\$ 5,306.40		\$ 5,306.40					
20/24" Backdraft Damper	ea	4	\$ 157.50		\$ 630.00		\$ 630.00					
Winter Closure	ea	56	\$ 213.30		\$ 11,944.80		\$ 11,944.80					
White Silicone	ea	50	\$ 5.64		\$ 282.15		\$ 282.15					
#10 x 1 1/2" SS Screws	ea	7250	\$ 0.18		\$ 1,305.00		\$ 1,305.00					
Air Inlet - Better Air SF-1200	ea	240	\$ 118.35		\$ 28,404.00		\$ 28,404.00					
Air Inlet - Better Air SF 2000	ea	223	\$ 130.05		\$ 29,001.15		\$ 29,001.15					
Air inlet actuator	ea	39	\$ 535.50		\$ 20,884.50		\$ 20,884.50					
SS cable	lin. Ft.	6150	\$ 1.17		\$ 7,195.50		\$ 7,195.50					
Galv. Cable Clamp	ea	195	\$ 3.15		\$ 614.25		\$ 614.25					
Azuma nuts	ea	1000	\$ 2.30		\$ 2,295.00		\$ 2,295.00					
Air inlet counterweight	ea	78	\$ 34.62		\$ 2,700.59		\$ 2,700.59					
Hanging pulley	ea	78	\$ 13.50		\$ 1,053.00		\$ 1,053.00					
Flush mount pulley	ea	263	\$ 10.80		\$ 2,840.40		\$ 2,840.40					
Hand Winch w/bracket and bolts	ea	39	\$ 112.50		\$ 4,387.50		\$ 4,387.50					
Space Heater (60/100 MBTU)	ea	2	\$ 900.00		\$ 1,800.00		\$ 1,800.00					
Space Heater (250 MBTUH)	ea	33	\$ 1,687.50		\$ 55,687.50		\$ 55,687.50					
Heat Lamps	ea	800	\$ 37.01		\$ 29,607.12		\$ 29,607.12					
Heat Pads	ea	780	\$ 127.93		\$ 99,783.33		\$ 99,783.33					

Master Heat Pads	ea	20	\$ 323.51		\$ 6,470.12	\$ 6,470.12						
Back-up thermostat	ea	28	\$ 99.00		\$ 2,772.00	\$ 2,772.00						
Manual fan control	ea	28	\$ 155.00		\$ 4,340.00	\$ 4,340.00						
Temperature Probe with Cable	ea	28	\$ 665.00		\$ 18,620.00	\$ 18,620.00						
<b>Watering System</b>								<b>\$ 153,122.12</b>				<b>\$ 1.03</b>
Water Meter	ea	1	\$ 1,000.00		\$ 1,000.00	\$ 1,000.00						
2" PVC Sch40 Pipe	lin. Ft.	200	\$ 4.97		\$ 993.60	\$ 993.60						
2"x1 1/2" PVC Sch40Tee	ea	4	\$ 3.77		\$ 15.07	\$ 15.07						
2" PVC Sch40 90 Degree Elbow	ea	16	\$ 2.74		\$ 43.85	\$ 43.85						
2" PVC Sch40 End Cap	ea	1	\$ 1.38		\$ 1.38	\$ 1.38						
2" Standoff Clamps	ea	50	\$ 6.76		\$ 338.18	\$ 338.18						
1 1/2" camlock coupler FCCxHB	ea	49	\$ 15.27		\$ 748.16	\$ 748.16						
1 1/2" camlock coupler MCCxFNT	ea	49	\$ 3.62		\$ 177.28	\$ 177.28						
1 1/2" PVC sch40 end cap	ea	18	\$ 1.11		\$ 19.93	\$ 19.93						
1 1/2" PVC sc40 true union ball valve	ea	8	\$ 61.57		\$ 492.59	\$ 492.59						
1 1/2" PVC sch40 45 degree elbow	ea	49	\$ 2.46		\$ 120.39	\$ 120.39						
1 1/2" PVC sch40 90 degree elbow	ea	24	\$ 1.74		\$ 41.80	\$ 41.80						
1 1/2" PVC sch40 adapter SxMNT	ea	49	\$ 1.32		\$ 64.83	\$ 64.83						
1 1/2" PVC sch40 ball valve	ea	49	\$ 14.82		\$ 726.33	\$ 726.33						
1 1/2" PVC sch40 coupling SxS	ea	140	\$ 2.74		\$ 383.67	\$ 383.67						
1 1/2" PVC sch40 pipe (linear feet)	ea	2800	\$ 3.94		\$ 11,037.60	\$ 11,037.60						
1 1/2" PVC sch40 tee	ea	64	\$ 2.34		\$ 149.47	\$ 149.47						
1 1/2" PVC standoff clamp	ea	700	\$ 5.21		\$ 3,647.70	\$ 3,647.70						
1 1/2" x 3/4" PVC sch40 tee	ea	64	\$ 3.81		\$ 243.65	\$ 243.65						
1/4" braided hose (linear feet)	ea	3100	\$ 0.54		\$ 1,674.00	\$ 1,674.00						
1/4" S.S. hose clamps	ea	2000	\$ 0.49		\$ 988.80	\$ 988.80						
24v transformer for solenoid valve	ea	48	\$ 28.32		\$ 1,359.36	\$ 1,359.36						
3/4" PVC sch40 end cap	ea	270	\$ 1.03		\$ 277.02	\$ 277.02						
3/4" PVC sch40 90 degree elbow	ea	308	\$ 0.55		\$ 170.48	\$ 170.48						
3/4" PVC sch40 ball valve SxS	ea	1077	\$ 4.85		\$ 5,219.68	\$ 5,219.68						
3/4" PVC sch40 coupling SxS	ea	455	\$ 0.47		\$ 214.99	\$ 214.99						
3/4" PVC sch40 pipe (linear feet)	ea	15125	\$ 1.59		\$ 24,094.13	\$ 24,094.13						
3/4" PVC sch40 SxMT adapter	ea	76	\$ 0.51		\$ 38.99	\$ 38.99						
3/4" PVC sch40 tee	ea	1365	\$ 0.68		\$ 921.38	\$ 921.38						
3/4" PVC sch40 true union ball valve	ea	76	\$ 39.69		\$ 3,016.44	\$ 3,016.44						
3/4" PVC standoff clamp	ea	3880	\$ 2.67		\$ 10,371.24	\$ 10,371.24						
PVC glue	ea	40	\$ 22.77		\$ 910.98	\$ 910.98						
PVC primer	ea	40	\$ 15.01		\$ 600.48	\$ 600.48						
Reducing adapter, 1/2" MNT x 1/4" hose barb	ea	996	\$ 4.04		\$ 4,020.35	\$ 4,020.35						
Reducing adapter, 3/4" slip x 1/4" hose barb	ea	996	\$ 2.17		\$ 2,164.81	\$ 2,164.81						
Sow Dripper	ea	800	\$ 1.28		\$ 1,020.00	\$ 1,020.00						
Solenoid valves	ea	48	\$ 40.55		\$ 1,946.40	\$ 1,946.40						
Fire hose (linear feet)	ea	300	\$ 3.81		\$ 1,142.10	\$ 1,142.10						
Spray Nozzle	ea	4	\$ 20.13		\$ 80.51	\$ 80.51						
36" Double Drinker w/Nipples	ea	196	\$ 60.41		\$ 11,840.85	\$ 11,840.85						
Teflon Tape	ea	100	\$ 1.50		\$ 149.85	\$ 149.85						
#8x3" SS Screws	ea	10000	\$ 0.28		\$ 2,800.00	\$ 2,800.00						
Medicator	ea	1	\$ 902.37		\$ 902.37	\$ 902.37						
5% allowance for extras & modifications	ea	0.05	\$ 1,088.01		\$ 54.40	\$ 54.40						
1/2" sch80 galv steel pipe (linear feet)	ea	2950	\$ 5.45		\$ 16,077.50	\$ 16,077.50						
3/4" sch80 galv steel pipe (linear feet)	ea	320	\$ 6.60		\$ 2,112.00	\$ 2,112.00						
1/2" sch80 galv steel 90 degree elbow	ea	60	\$ 6.96		\$ 417.60	\$ 417.60						
1/2" sch80 galv steel tee	ea	72	\$ 15.90		\$ 1,144.80	\$ 1,144.80						

1/2" sch80 galv steel ball valves	ea	57	\$ 39.00		\$ 2,223.00		\$ 2,223.00					
3/4" sch80 galv steel ball valves	ea	2	\$ 71.00		\$ 142.00		\$ 142.00					
3/4"x 1/2 "sch80 galv steel tee	ea	8	\$ 85.08		\$ 680.61		\$ 680.61					
1/2" sch80 galv steel coupling	ea	130	\$ 9.66		\$ 1,255.80		\$ 1,255.80					
1/2" sch80 galv steel union	ea	8	\$ 32.40		\$ 259.20		\$ 259.20					
1/2" aluminum long shank pipe hangers	ea	325	\$ 5.78		\$ 1,878.50		\$ 1,878.50					
3/4" aluminum long shank pipe hangers	ea	40	\$ 7.53		\$ 301.20		\$ 301.20					
3/4" sch80 galv steel 90 degree elbow	ea	8	\$ 8.40		\$ 67.20		\$ 67.20					
3/4" sch80 galv steel coupling	ea	16	\$ 11.34		\$ 181.44		\$ 181.44					
3/4" sch80 galv steel union	ea	2	\$ 37.80		\$ 75.60		\$ 75.60					
3/4" End Cap	ea	1	\$ 9.54		\$ 9.54		\$ 9.54					
Pressure washer drops	ea	69	\$ 75.00		\$ 5,175.00		\$ 5,175.00					
#10x3" SS Screws	ea	750	\$ 0.42		\$ 315.00		\$ 315.00					
Teflon Tape	ea	100	\$ 0.81		\$ 81.08		\$ 81.08					
10 HP Pressure Washer	ea	1	\$ 24,500.00		\$ 24,500.00		\$ 24,500.00					
<b>Feed System</b>			\$ -				\$ -	<b>\$ 1,763,579.60</b>				<b>\$ 11.86</b>
Boot bin	ea	12	\$ 62.26		\$ 747.08		\$ 747.08					
Bin Unloader	ea	12	\$ 466.07		\$ 5,592.89		\$ 5,592.89					
PVC Tubing (10 ft Tube)	ea	788	\$ 32.71		\$ 25,773.75		\$ 25,773.75					
Auger Flighting	lin ft	7875	\$ 4.24		\$ 33,392.76		\$ 33,392.76					
Elbow	ea	17	\$ 27.48		\$ 467.22		\$ 467.22					
Tube Clamp	ea	30	\$ 4.98		\$ 149.45		\$ 149.45					
Flex Auger Tube Spacer Shim	ea	12	\$ 6.90		\$ 82.76		\$ 82.76					
PVC Coupler	ea	800	\$ 6.25		\$ 4,996.08		\$ 4,996.08					
Drop Kit	ea	1371	\$ 17.52		\$ 24,020.33		\$ 24,020.33					
3/4 HP Feed Motor	ea	99	\$ 647.07		\$ 64,060.18		\$ 64,060.18					
1 HP Feed Motor	ea	9	\$ 733.09		\$ 6,597.85		\$ 6,597.85					
Feedlines Extension Unit	ea	4	\$ 501.27		\$ 2,005.09		\$ 2,005.09					
Control Unit	ea	108	\$ 257.29		\$ 27,787.15		\$ 27,787.15					
Proximity Sensor	ea	108	\$ 174.11		\$ 18,803.83		\$ 18,803.83					
3 1/2" Plastic Drop Tubes (12' Length)	ea	460	\$ 31.27		\$ 14,386.09		\$ 14,386.09					
Wall Seal Plate and Gasket	ea	13	\$ 69.51		\$ 903.63		\$ 903.63					
PVC glue	ea	50	\$ 16.87		\$ 843.50		\$ 843.50					
PVC primer	ea	50	\$ 11.12		\$ 556.00		\$ 556.00					
3/16" Zinc Plated Chain	lin ft	3000	\$ 1.31		\$ 3,930.00		\$ 3,930.00					
2" Plated S Hook	ea	1000	\$ 0.69		\$ 690.00		\$ 690.00					
1/4" x 3 1/4" SS Screwhook	ea	1000	\$ 3.50		\$ 3,500.00		\$ 3,500.00					
Feed System Time Clock	ea	8	\$ 514.56		\$ 4,116.49		\$ 4,116.49					
SS Trough	ea	1000	\$ 20.96		\$ 20,958.75		\$ 20,958.75					
SS Feeders, Wet/Dry, 2 spc, 2 side	ea	6	\$ 523.60		\$ 3,141.60		\$ 3,141.60					
Boar Feeder	ea	8	\$ 349.99		\$ 2,799.90		\$ 2,799.90					
Electronic Sow Feeders	package	1	\$ 1,420,550.56		\$ 1,420,550.56		\$ 1,420,550.56					
2.3 Tonne Feed Bin	ea	1	\$ 3,339.63		\$ 3,339.63		\$ 3,339.63					
5.2 Tonne Feed Bin	ea	3	\$ 3,398.61		\$ 10,195.84		\$ 10,195.84					
11 Tonne Feed Bin	ea	1	\$ 5,769.97		\$ 5,769.97		\$ 5,769.97					
28.7 Tonne Feed Bin	ea	2	\$ 10,168.94		\$ 20,337.89		\$ 20,337.89					
22.64 tonne Feed Bins	ea	4	\$ 8,270.84		\$ 33,083.37		\$ 33,083.37					
<b>Lift Station</b>			\$ -				\$ -	<b>\$ 88,610.88</b>				<b>\$ 0.60</b>
5' x 36" Concrete Well Cribbing	ea	6	\$ 583.20		\$ 3,499.20		\$ 3,499.20					
5' Concrete Well Base	ea	2	\$ 704.70		\$ 1,409.40		\$ 1,409.40					
5' Concrete Top	ea	2	\$ 324.00		\$ 648.00		\$ 648.00					
ITT Flygt 10HP Submersible Pump w/controls, starter	ea	2	\$ 34,800.00		\$ 69,600.00		\$ 69,600.00					
3/16" SS Cable	lin ft	50	\$ 1.03		\$ 51.50		\$ 51.50					

3/16" SS Clamp	ea	8	\$ 9.24		\$ 73.92	\$ 73.92						
Discharge Elbow for 10HP Pump	ea	2	\$ 2,514.26		\$ 5,028.52	\$ 5,028.52						
Float w/6m cable	ea	6	\$ 292.03		\$ 1,752.18	\$ 1,752.18						
SS guide Rails	ea	4	\$ 537.04		\$ 2,148.16	\$ 2,148.16						
2000lb Winch on Stand	ea	2	\$ 1,950.00		\$ 3,900.00	\$ 3,900.00						
Bolts and Parts Allowance	ea	2	\$ 250.00		\$ 500.00	\$ 500.00						
<b>Sewer Pipe</b>			\$ -		\$ -	\$ 197,006.45						\$ 1.33
10" Ultra-rib Pipe	lin ft	2050	\$ 18.35		\$ 37,617.50	\$ 37,617.50						
10" U-R 45 degree Elbow	ea	16	\$ 613.24		\$ 9,811.84	\$ 9,811.84						
10"x8" U-R Wye	ea	8	\$ 768.30		\$ 6,146.40	\$ 6,146.40						
10"x8" U-R Tee	ea	44	\$ 426.30		\$ 18,757.20	\$ 18,757.20						
10"x6" Adapter	ea	8	\$ 549.56		\$ 4,396.46	\$ 4,396.46						
10" U-R Wye	ea	8	\$ 948.26		\$ 7,586.08	\$ 7,586.08						
8" U-R x 6" SDR35 Adapter	ea	8	\$ 305.31		\$ 2,442.48	\$ 2,442.48						
8" Ultra-rib Tee	ea	166	\$ 383.52		\$ 63,664.32	\$ 63,664.32						
8" Ultra-rib 45 Elbow	ea	16	\$ 263.67		\$ 4,218.72	\$ 4,218.72						
8" Ultra-rib pipe	lin ft	2610	\$ 11.37		\$ 29,683.53	\$ 29,683.53						
8" Pit Plugs	ea	210	\$ 32.00		\$ 6,720.00	\$ 6,720.00						
6" SDR35 Pipe	lin ft	128	\$ 12.27		\$ 1,570.56	\$ 1,570.56						
6" SDR35 45 degree Elbow	ea	16	\$ 56.69		\$ 907.04	\$ 907.04						
6" SDR 35 Union	ea	16	\$ 75.95		\$ 1,215.20	\$ 1,215.20						
6" SDR35 90 degree Elbow	ea	32	\$ 70.91		\$ 2,269.12	\$ 2,269.12						
<b>Misc</b>			\$ -		\$ -	\$ 102,642.36						\$ 0.69
Alarm System	ea	1	\$ 4,500.00		\$ 4,500.00	\$ 4,500.00						
Load-out Ramp	ea	1	\$ 2,240.00		\$ 2,240.00	\$ 2,240.00						
Barn Controls System (Ventilation, Heat, Feed)	ea	1	\$ 93,925.00		\$ 93,925.00	\$ 93,925.00						
Stationary Weigh Scale	ea	1	\$ 1,717.36		\$ 1,717.36	\$ 1,717.36						
Load Cells, 500lbs	ea	4	\$ 65.00		\$ 260.00	\$ 260.00						
<b>11850 Equipment Installation</b>							\$ 533,050.18					\$ 3.59
Install Penning	lin ft	4993	\$ 7.78		\$ 38,845.54	\$ 38,845.54						
Install Stalls	ea	503	\$ 40.84		\$ 20,542.52	\$ 20,542.52						
Install Farrow Crates, complete with creep, flooring, access	ea	800	\$ 157.63		\$ 126,104.00	\$ 126,104.00						
Install Nursery Flooring	sq ft	3680	\$ 2.36		\$ 8,684.80	\$ 8,684.80						
Install Exhaust & Recirculation Fans	ea	146	\$ 9.72		\$ 1,419.12	\$ 1,419.12						
Install Chimney Fans	ea	3	\$ 308.00		\$ 924.00	\$ 924.00						
Install Air Inlets	ea	463	\$ 9.72		\$ 4,500.36	\$ 4,500.36						
Install Inlet Actuators	ea	39	\$ 9.72		\$ 379.08	\$ 379.08						
Install Heaters	ea	35	\$ 110.16		\$ 3,855.60	\$ 3,855.60						
Install Control System	ea	1	\$ 7,165.00		\$ 7,165.00	\$ 7,165.00						
Install Back-up Thermostats	ea	28	\$ 95.00		\$ 2,660.00	\$ 2,660.00						
Install Manual Fan Controls	ea	28	\$ 95.00		\$ 2,660.00	\$ 2,660.00						
Install Waterlines	lin ft	18125	\$ 4.08		\$ 73,950.00	\$ 73,950.00						
Install Drinkers	ea	196	\$ 19.44		\$ 3,810.24	\$ 3,810.24						
Install HPW Pipe	lin ft	3270	\$ 6.29		\$ 20,568.30	\$ 20,568.30						
Install Pressure Washer	ea	1	\$ 760.00		\$ 760.00	\$ 760.00						
Install Feed Lines	lin ft	7875	\$ 6.80		\$ 53,550.00	\$ 53,550.00						
Install Feed Motors	ea	112	\$ 97.20		\$ 10,886.40	\$ 10,886.40						
Install Feeders	ea	14	\$ 32.40		\$ 453.60	\$ 453.60						
Install SS Trough	lin ft	1000	\$ 9.31		\$ 9,310.00	\$ 9,310.00						
Install ESF	ea	56	\$ 630.52		\$ 35,309.12	\$ 35,309.12						
Install Feed Bins	ea	12	\$ 1,440.00		\$ 17,280.00	\$ 17,280.00						
Install Lift Station	ea	1	\$ 4,440.00		\$ 4,440.00	\$ 4,440.00						
Install Sewer Pipe	lin ft	4790	\$ 16.75		\$ 80,232.50	\$ 80,232.50						

	Install Alarms	ea	1	\$ 2,600.00			\$ 2,600.00	\$ 2,600.00						
	Install Load-out Ramp	ea	1	\$ 960.00			\$ 960.00	\$ 960.00						
	Install Scale	ea	1	\$ 1,200.00			\$ 1,200.00	\$ 1,200.00						
	<b>Division 15 - Mechanical</b>													
<b>15200</b>	<b>Process Piping</b>									<b>\$ 79,785.30</b>				\$ 0.54
	1" Gas Pipe	lin ft	2600	\$ 9.70	\$ 10.90		\$ 25,220.00	\$ 28,340.00	\$ 53,560.00					
	Gas Connection to Unit Heater	ea	35	\$ 140.76	\$ 532.02		\$ 4,926.60	\$ 18,620.70	\$ 23,547.30					
	Gas Pipe Fittings	allow	5%	\$ 53,560.00			\$ 2,678.00	\$ -	\$ 2,678.00					
<b>15400</b>	<b>Plumbing Fixtures &amp; Equipment Including Supply, Waste and Vent Piping</b>									<b>\$ 21,310.45</b>				\$ 0.14
	Water Closet, 2-piece, floor mount, Assembly Cost	ea	2	\$ 794.75	\$ 824.50		\$ 1,589.50	\$ 1,649.00	\$ 3,238.50					
	Shower, 1 piece, Fibreglass, Assembly Cost	ea	4	\$ 1,105.00	\$ 871.25		\$ 4,420.00	\$ 3,485.00	\$ 7,905.00					
	S.S. Sink, Double, Assembly Cost	ea	1	\$ 1,253.75	\$ 850.00		\$ 1,253.75	\$ 850.00	\$ 2,103.75					
	Sink, Single, Assembly Cost	ea	2	\$ 782.00	\$ 871.25		\$ 1,564.00	\$ 1,742.50	\$ 3,306.50					
	Floor Drain, Assembly Cost	ea	8	\$ 433.50	\$ 86.50		\$ 3,468.00	\$ 692.00	\$ 4,160.00					
	Rough In - Washer, Assembly Cost	ea	2	\$ 64.60	\$ 233.75		\$ 129.20	\$ 467.50	\$ 596.70					
<b>15500</b>	<b>Heat Generating Equipment</b>									<b>\$ 4,101.25</b>				\$ 0.03
	Hot Water Heater, Assembly Cost	ea	1	\$ 2,741.25	\$ 1,360.00		\$ 2,741.25	\$ 1,360.00	\$ 4,101.25					
<b>15700</b>	<b>HVAC</b>									<b>\$ 32,328.62</b>				\$ 0.22
	Exhaust Fan, 150 CFM	ea	2	\$ 115.00	\$ 58.00		\$ 230.00	\$ 116.00	\$ 346.00					
	6" diameter exhaust ducting	lin ft	60	\$ 5.20	\$ 3.61		\$ 312.00	\$ 216.60	\$ 528.60					
	Air Make-up Unit, Assembly Cost incl'd ducting	sq ft	1980	\$ 3.66	\$ 5.74		\$ 7,253.73	\$ 11,360.25	\$ 18,613.98					
	1" Connecting Pipe	lin ft	50	\$ 9.70	\$ 10.90		\$ 485.00	\$ 545.00	\$ 1,030.00					
	1" Connecting Pipe Fittings	allow	15%	\$ 1,030.00			\$ 154.50	\$ -	\$ 154.50					
	1" Valves	ea	5	\$ 54.50	\$ 38.50		\$ 272.50	\$ 192.50	\$ 465.00					
	Strainer	ea	1	\$ 310.00	\$ 38.50		\$ 310.00	\$ 38.50	\$ 348.50					
	Thermostat	ea	1	\$ 99.00	\$ 45.00		\$ 99.00	\$ 45.00	\$ 144.00					
	Auto Air Vent	ea	1	\$ 540.00	\$ 58.00		\$ 540.00	\$ 58.00	\$ 598.00					
	Floor Heat Pump	ea	1	\$ 770.00	\$ 173.00		\$ 770.00	\$ 173.00	\$ 943.00					
	3/4" Floor heat piping	lin ft	2000	\$ 1.61	\$ 1.95		\$ 3,220.00	\$ 3,900.00	\$ 7,120.00					
	Floor heat manifolds	ea	2	\$ 370.00	\$ 120.02		\$ 740.00	\$ 240.04	\$ 980.04					
	Extrol 15 Expansion Tank	ea	1	\$ 935.00	\$ 61.50		\$ 935.00	\$ 61.50	\$ 996.50					
	Pressure Gauge	ea	1	\$ 24.00	\$ 36.50		\$ 24.00	\$ 36.50	\$ 60.50					
	<b>Division 16 - Electrical</b>									<b>\$ 1,538,656.96</b>	<b>\$ 1,000,127.02</b>	<b>\$ 538,529.94</b>	<b>\$ 1,538,656.96</b>	\$ 10.35
<b>16200</b>	Main Service & Distribution	fir Sq Ft	148664	\$ 6.43	\$ 3.46		\$ 955,686.52	\$ 514,600.44	\$ 1,470,286.96					
	Connection of ESF and Controls	ea	1	\$ 44,440.50	\$ 23,929.50		\$ 44,440.50	\$ 23,929.50	\$ 68,370.00					
	<b>Division 31 Earthworks</b>									<b>\$ 507,691.71</b>	<b>\$ 815,367.15</b>	<b>\$ 1,323,058.86</b>	<b>\$ 8.90</b>	
	<b>Barn Foundation</b>									<b>\$ 495,388.05</b>				\$ 3.33
	Strip Top Soil	cu yds	5520			\$ 4.96	\$ -	\$ 27,379.20	\$ 27,379.20					
	Excavate Foundations	cu yds	12770			\$ 6.44	\$ -	\$ 82,238.80	\$ 82,238.80					
	Place & Compact A Base	cu yds	6610	\$ 28.00		\$ 22.68	\$ 185,080.00	\$ 149,914.80	\$ 334,994.80					
	Trench Sewer Piping & Backfilling	lin ft	4790		\$ 5.60	\$ 2.23	\$ -	\$ 37,505.70	\$ 37,505.70					
	Sand Bedding for Sewer Pipe	lin ft	551	\$ 2.45			\$ 1,349.95	\$ -	\$ 1,349.95					
	Backfill 3' and slope away from building	cu yds	473		\$ 25.20	\$ -	\$ -	\$ 11,919.60	\$ 11,919.60					
	<b>Roads and Parking</b>									<b>\$ 100,289.20</b>				\$ 0.67
	Allow for 30'x48' parking pad, 150' of driveway, 25' wide w/ditch													
	Strip Top Soil	cu yds	200			\$ 4.96	\$ -	\$ 992.00	\$ 992.00					
	Excavate/Backfill Road and Ditch	cu yds	400			\$ 6.48	\$ -	\$ 2,592.00	\$ 2,592.00					
	Geo-Grid Reinforcement Under Roads	sq ft	5200	\$ 0.29		\$ 0.16	\$ 1,508.00	\$ 832.00	\$ 2,340.00					
	18" Gravel topping on roads	cu yds	350	\$ 28.00		\$ 16.30	\$ 9,800.00	\$ 5,705.00	\$ 15,505.00					
	Strip Top soil For 15' wide Ring Road	cu yds	1120			\$ 4.96	\$ -	\$ 5,555.20	\$ 5,555.20					
	12" Gravel at Grade for 15' Wide Ring Road	cu yds	1350	\$ 28.00		\$ 16.30	\$ 37,800.00	\$ 22,005.00	\$ 59,805.00					

Geo-Grid Reinforcement Under Ring Road	sq ft	30000	\$ 0.29		\$ 0.16	\$ 8,700.00	\$ 4,800.00	\$ 13,500.00						
Earthen Manure Storage w/HDPE Liner									\$ 727,381.61				\$ 4.89	
Strip Top Soil	cu yds	12200			\$ 4.96	\$ -	\$ 60,512.00	\$ 60,512.00						
Excavate Cells and Backfill to Berms	cu yds	32380			\$ 6.48	\$ -	\$ 209,822.40	\$ 209,822.40						
High Density PolyEthylene Liner	sq ft	245942	\$ 1.02	\$ 0.44		\$ 250,860.84	\$ 108,214.48	\$ 359,075.32						
6" Pipe to lagoon	lin ft	75	\$ 12.27	\$ 21.53		\$ 920.25	\$ 1,614.75	\$ 2,535.00						
Post and Rail System for 6" Pipe	lin ft	75	\$ 10.05	\$ 7.35	\$ 2.59	\$ 753.75	\$ 745.50	\$ 1,499.25						
Spread Topsoil on Berm	cu yds	4225		\$ 16.10		\$ -	\$ 68,022.50	\$ 68,022.50						
<b>Concrete Spillway &amp; Ramp with Curb</b>														
Forming	sq ft	1788	\$ 0.82	\$ 7.65		\$ 1,466.16	\$ 13,678.20	\$ 15,144.36						
Pouring	cu yds	33	\$ -	\$ 25.00	\$ 8.04	\$ -	\$ 1,090.47	\$ 1,090.47						
Reinforcing	ea	263	\$ 7.40			\$ 1,946.20	\$ -	\$ 1,946.20						
Concrete Material	cu yds	37	\$ 202.88		\$ 6.15	\$ 7,506.56	\$ 227.55	\$ 7,734.11						
<b>Division 33 Utilities</b>														
<b>Utilities</b>									\$ 52,375.00		\$ 52,375.00		\$ 0.35	
Gas	Allow	1	\$ 5,000.00			\$ 5,000.00	\$ -	\$ 5,000.00						
Electrical	Allow	1	\$ 15,000.00			\$ 15,000.00	\$ -	\$ 15,000.00						
Water Well	Allow	1	\$ 32,375.00			\$ 32,375.00	\$ -	\$ 32,375.00						
<b>19000 Contingency (5%)</b>											\$ 709,848.78		\$ 4.77	
<b>Sub-Total</b>											\$ 10,474,736.24	\$ 5,807,522.05	\$ 16,282,258.29	\$ 109.52
<b>PST 7%</b>	<b>Note: Some Elements are PST Exempt</b>												\$ 428,498.91	\$ 2.88
<b>Sub-Total Including PST</b>													\$ 16,710,757.19	\$ 112.41
<b>GST 5%</b>													\$ 814,112.91	
<b>TOTAL</b>													\$ 17,524,870.11	

Sask Pork

Appendix C

**Farrow Wean Barn Budget**

**Sample Barn, 3200 Head Farrow, 148,664 Square Feet**

Prepared by DGH Engineering Ltd.

2017-01-25

REVISED September 19, 2023

Item	Description	Unit	Quantity	Unit Price - Material	Unit Price - Labour	Unit Price - Equipment	Sub-Total Material	Sub-Total Labour & Equipment	Sub-Total Unit	Sub-Toral Category	Division Sub-Total Materials	Division Sub-Total Labour & Equipment	Division Total	Cost/sq. ft.
	<b>Division 1 -General Requirements</b>										\$ 61,369.00	\$ 1,250,229.56	\$ 1,311,598.56	\$ 8.82
	<b>Design, Engineering, and Construction Support</b>										\$ 65,500.00			
	Design, Engineering, and Construction Support	fee	1	\$ 44,800.00			\$ -	\$ 44,800.00	\$ 44,800.00					
	EMS Design Fees & Certification	fee	1	\$ 20,700.00			\$ -	\$ 20,700.00	\$ 20,700.00					
1300	<b>Administrative Requirements</b>										\$ 1,178,229.56			\$ 7.93
	Permits	fee	0.01		13,091,439.50		\$ -	\$ 130,914.40	\$ 130,914.40					
	Insurance	fee	0.03		13,091,439.50		\$ -	\$ 392,743.19	\$ 392,743.19					
	Overhead/Administration	allow	0.05		13,091,439.50		\$ -	\$ 654,571.98	\$ 654,571.98					
1400	<b>Quality Requirements</b>	allow	1	\$ 2,500.00			\$ -	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00				\$ 0.02
1500	<b>Temporary Facilities &amp; Controls</b>										\$ 61,369.00			\$ 0.41
	Miscellaneous Hardware & tools/Office Supplies/First Aid	allow	1	\$ 22,869.00				\$ 22,869.00	\$ -	\$ 22,869.00				
	Equipment Rental	allow	1	\$ 38,500.00				\$ 38,500.00	\$ -	\$ 38,500.00				
1700	<b>Execution Requirements</b>	allow	1	\$ 4,000.00			\$ -	\$ 4,000.00	\$ 4,000.00	\$ 4,000.00				\$ 0.03
	<b>Division 3 - Concrete</b>										\$ 1,574,626.97	\$ 1,023,524.32	\$ 2,598,151.29	\$ 17.48
3101	<b>Concrete Formwork</b>										\$ 1,141,598.46			\$ 7.68
	<b>Forms in Place</b>													
	Footings (9"x18") (1.5SFCA/lin ft)	lin ft	3846	\$ 1.71	\$ 3.88	\$ -	\$ 6,576.66	\$ 14,918.63	\$ 21,495.29					
	6' Grade Beam w/Slat Provision One Side	lin ft	556	\$ 9.86	\$ 24.93		\$ 5,484.38	\$ 13,861.08	\$ 19,345.46					
	6' Grade Beam w/Slat Provision Both Sides	lin ft	139	\$ 9.86	\$ 24.93		\$ 1,371.10	\$ 3,465.27	\$ 4,836.37					
	6' Grade Beam	lin ft	5443	\$ 8.42	\$ 19.44		\$ 45,851.83	\$ 105,811.92	\$ 151,663.75					
	Pit Walls (2' x 4") (4SFCA/lin ft)	lin ft	21319	\$ 2.59	\$ 14.58	\$ -	\$ 55,258.85	\$ 310,831.02	\$ 366,089.87					
	Pit Floors	sq ft	97976	\$ 0.44	\$ 2.21	\$ -	\$ 43,383.77	\$ 216,918.86	\$ 260,302.64					
	Floor	sq ft	58972	\$ 0.44	\$ 2.71	\$ -	\$ 26,112.80	\$ 159,578.23	\$ 185,691.03					
	48"x48"x10" Footing Pad and 8" Pillaster	ea	29	\$ 105.10	\$ 135.42		\$ 3,047.92	\$ 3,927.32	\$ 6,975.24					
	Bin Pads	sq ft	2026	\$ 0.82	\$ 6.15	\$ -	\$ 1,661.32	\$ 12,459.90	\$ 14,121.22					
	Aprons	sq ft	75	\$ 0.82	\$ 6.15	\$ -	\$ 61.50	\$ 461.25	\$ 522.75					
	<b>Pour Concrete</b>													
	Footings (9"x18")	cu yds	161	\$ -	\$ 21.50	\$ 5.90	\$ -	\$ 4,411.40	\$ 4,411.40					
	6' Grade Beam w/Slat Provision One Side	cu yds	69		\$ 32.50	\$ 8.85	\$ -	\$ 2,853.15	\$ 2,853.15					
	6' Grade Beam w/Slat Provision Both Sides	cu yds	19	\$ -	\$ 32.50	\$ 8.85	\$ -	\$ 785.65	\$ 785.65					
	6' Grade Beam	cu yds	605		\$ 32.50	\$ 8.85	\$ -	\$ 25,016.75	\$ 25,016.75					
	FIP Pit Walls (2' x 4")	cu yds	526	\$ -	\$ 17.95	\$ 4.93	\$ -	\$ 12,034.88	\$ 12,034.88					
	Pit Floors	cu yds	1209	\$ -	\$ 25.00	\$ 6.80	\$ -	\$ 38,446.20	\$ 38,446.20					
	Floor	cu yds	728	\$ -	\$ 25.00	\$ 6.80	\$ -	\$ 23,150.40	\$ 23,150.40					
	48"x48"x10" Footing Pad and 8" Pillaster	cu yds	20	\$ -	\$ 54.00	\$ 14.80	\$ -	\$ 1,376.00	\$ 1,376.00					
	Bin Pads	cu yds	76	\$ -	\$ 25.00	\$ 6.80	\$ -	\$ 2,416.80	\$ 2,416.80					
	Aprons	cu yds	2	\$ -	\$ 25.00	\$ 6.80	\$ -	\$ 63.60	\$ 63.60					
3200	<b>Concrete Reinforcement</b>										\$ 158,236.63			\$ 1.06
	Footings													

	15M Rebar	ea	481	\$ 14.65			\$ 7,046.65	\$ -	\$ 7,046.65					
	10M Dowels	ea	2020	\$ 2.63			\$ 5,312.60	\$ -	\$ 5,312.60					
	10M Rebar	ea	161	\$ 7.40			\$ 1,191.40	\$ -	\$ 1,191.40					
	Grade Beams													
	15M Rebar	ea	1433	\$ 14.65			\$ 20,993.45	\$ -	\$ 20,993.45					
	10M Rebar	ea	1075	\$ 7.40			\$ 7,955.00	\$ -	\$ 7,955.00					
	10M Dowel	ea	1146	\$ 1.82			\$ 2,085.72	\$ -	\$ 2,085.72					
	Pit Walls													
	10M Rebar	ea	4353	\$ 7.40			\$ 32,212.20	\$ -	\$ 32,212.20					
	Pit Floors													
	10M Rebar	ea	6407	\$ 7.40			\$ 47,411.80	\$ -	\$ 47,411.80					
	Floor													
	10M Rebar	ea	3578	\$ 7.40			\$ 26,477.20	\$ -	\$ 26,477.20					
	48"x48"x10" Footing Pad and 8" Pillaster													
	15M Rebar	ea	87	\$ 14.65			\$ 1,274.55	\$ -	\$ 1,274.55					
	10M Rings	ea	87	\$ 2.93			\$ 254.91	\$ -	\$ 254.91					
	Bin Pads & Aprons													
	15M Rebar	ea	411	\$ 14.65			\$ 6,021.15	\$ -	\$ 6,021.15					
<b>3310</b>	<b>Basic Concrete Materials</b>									<b>\$ 853,144.00</b>				<b>\$ 5.74</b>
	Footings (9"x18") (0.0417/yds/lin ft)	cu yds	178	\$ 220.75			\$ 39,293.50	\$ 1,094.70	\$ 40,388.20					
	6' Grade Beam w/Slat Provision One Side	cu yds	76	\$ 220.75			\$ 16,777.00	\$ 467.40	\$ 17,244.40					
	6' Grade Beam w/Slat Provision Both Sides	cu yds	21	\$ 220.75			\$ 4,635.75	\$ 129.15	\$ 4,764.90					
	6' Grade Beam	cu yds	666	\$ 220.75			\$ 147,019.50	\$ 4,095.90	\$ 151,115.40					
	Pit Walls (2' x 4")	cu yds	579	\$ 220.75			\$ 127,814.25	\$ 3,560.85	\$ 131,375.10					
	Pit Floors	cu yds	1330	\$ 220.75			\$ 293,597.50	\$ 8,179.50	\$ 301,777.00					
	Floor	cu yds	801	\$ 220.75			\$ 176,820.75	\$ 4,926.15	\$ 181,746.90					
	48"x48"x10" Footing Pad and 8" Pillaster	cu yds	22	\$ 220.75			\$ 4,856.50	\$ 135.30	\$ 4,991.80					
	Bin Pads	cu yds	84	\$ 220.75			\$ 18,543.00	\$ 516.60	\$ 19,059.60					
	Aprons	cu yds	3	\$ 220.75			\$ 662.25	\$ 18.45	\$ 680.70					
<b>3480</b>	<b>Precast Concrete Specialties (Slats)</b>									<b>\$ 445,172.20</b>				<b>\$ 2.99</b>
	Slats	sq ft	47612	\$ 8.35			\$ 397,560.20	\$ -	\$ 397,560.20					
	Install Slats	sq ft	47612		\$ 0.64	\$ 0.36	\$ -	\$ 47,612.00	\$ 47,612.00					
	<b>Division 5 - Structural Steel</b>													
<b>5100</b>	<b>Structural Steel Columns and Beams</b>									<b>\$ 16,284.95</b>				
	6"x6"x1/4" HSS 10' cw/Base and Top Plate	ea	29	\$ 445.00	\$ 66.55	\$ 50.00	\$ 12,905.00	\$ 3,379.95	\$ 16,284.95					
<b>5500</b>	<b>Metal Fabrications</b>									<b>\$ 2,500.00</b>				
	Misc Fabrications	allow	1	\$ 2,500.00			\$ 2,500.00	\$ -	\$ 2,500.00					
	<b>Division 6 - Wood &amp; Plastics</b>													
<b>6090</b>	<b>Fasteners</b>									<b>\$ 32,411.85</b>				
	1/2" Anchor Bolts w Nut and Washer	ea	3075	\$ 1.71			\$ 5,258.25	\$ -	\$ 5,258.25					
	Edge Purlin Splice (T&B) 20ga 4"x20" Steel Strap	ea	576	\$ 9.35			\$ 5,385.60	\$ -	\$ 5,385.60					
	Simpson Strong Tie at Truss Ends	ea	1200	\$ 0.64			\$ 768.00	\$ -	\$ 768.00					
	Allowance Nails & Screws	allow	1	\$ 21,000.00			\$ 21,000.00	\$ -	\$ 21,000.00					
<b>6110</b>	<b>Structural Wood Framing</b>									<b>\$ 246,782.10</b>				<b>\$ 1.66</b>
	2x6 Stud Wall @ 24" o/c 9' ht(incl 2xT.P. & PT B.P.)	lin ft	242	\$ 9.06			\$ 2,192.52	\$ -	\$ 2,192.52					
	2x6 Stud Wall @ 24" o/c 6' ht(incl 2xT.P. & PT B.P.)	lin ft	3846	\$ 6.99			\$ 26,883.54	\$ -	\$ 26,883.54					
	2x4 Stud Wall @ 24" o/c 6' ht(incl 2xT.P. & PT B.P.)	lin ft	2402	\$ 4.80			\$ 11,529.60	\$ -	\$ 11,529.60					
	2x4 Stud Wall @ 16" o/c 9' ht(incl 2xT.P. & PT B.P.)	lin ft	0	\$ 5.96			\$ -	\$ -	\$ -					
	2x4 Girts @ 24"	BF	7557	\$ 1.01			\$ 7,632.57	\$ -	\$ 7,632.57					
	2x4 PT Girts, to Concrete	BF	3779	\$ 1.82			\$ 6,877.78	\$ -	\$ 6,877.78					
	2x6 Columns	BF	804	\$ 1.04			\$ 836.16	\$ -	\$ 836.16					

2x6 Header	BF	536	\$ 1.04			\$ 557.44	\$ -	\$ 557.44					
2 ply 2x8 Lintel	BF	893	\$ 1.04			\$ 928.72	\$ -	\$ 928.72					
2 ply 2x10 Lintel	BF	0	\$ 1.21			\$ -	\$ -	\$ -					
2 ply 2x12 Lintel	BF	0	\$ 1.90			\$ -	\$ -	\$ -					
2x4 Purlins (incl'd Valleys)	BF	51376	\$ 1.01			\$ 51,889.76	\$ -	\$ 51,889.76					
2x4 Lateral Bracing	BF	16800	\$ 1.01			\$ 16,968.00	\$ -	\$ 16,968.00					
2x6 Vertical Sway Bracing	BF	5600	\$ 1.01			\$ 5,656.00	\$ -	\$ 5,656.00					
2x6 Anchor Bracing	BF	1528	\$ 1.01			\$ 1,543.28	\$ -	\$ 1,543.28					
2x6 Blocking under Splice Plates	BF	1152	\$ 1.01			\$ 1,163.52	\$ -	\$ 1,163.52					
1x4 Web Nailer	BF	764	\$ 1.22			\$ 932.08	\$ -	\$ 932.08					
2x4 Ceiling Strapping	BF	50673	\$ 1.01			\$ 51,179.73	\$ -	\$ 51,179.73					
2x6 Purlins	BF	4584	\$ 1.01			\$ 4,629.84	\$ -	\$ 4,629.84					
2x6 Heels	BF	4584	\$ 1.01			\$ 4,629.84	\$ -	\$ 4,629.84					
1x4 Soffit Nailer	BF	1528	\$ 1.22			\$ 1,864.16	\$ -	\$ 1,864.16					
1x4 Painted Trim Board	BF	3144	\$ 1.22			\$ 3,835.68	\$ -	\$ 3,835.68					
Soffit Doors, 8'	ea	264	\$ 66.06			\$ 17,439.84	\$ -	\$ 17,439.84					
2x6 P.T. rough bucks for doors/windows	BF	544	\$ 1.82			\$ 990.08	\$ -	\$ 990.08					
2x4 P.T. sill plate for doors/windows	BF	183	\$ 1.82			\$ 333.06	\$ -	\$ 333.06					
Interior Galv. Drip Flashing	lin ft	9442	\$ 1.10			\$ 10,386.20	\$ -	\$ 10,386.20					
2x2 Recirc duct	BF	13035	\$ 1.22			\$ 15,902.70	\$ -	\$ 15,902.70					
<b>6160 Sheathing</b>									<b>\$ 222,029.44</b>				<b>\$ 1.49</b>
1/2" P.T. Plywood Sheathing	sq ft	5668	\$ 2.06			\$ 11,676.08	\$ -	\$ 11,676.08					
3/8" OSB Sheathing Recirc duct	sq ft	55835	\$ 0.56			\$ 31,267.60	\$ -	\$ 31,267.60					
3/8" OSB for Attic Smoke Stops (22)	sq ft	109296	\$ 0.56			\$ 61,205.76	\$ -	\$ 61,205.76					
3/8" OSB to Wall, P.N.	sq ft	56652	\$ 0.56			\$ 31,725.12	\$ -	\$ 31,725.12					
3/8" OSB to Gables, P.N.	sq ft	5184	\$ 0.56			\$ 2,903.04	\$ -	\$ 2,903.04					
3/8" OSB to Ceiling, P.N.	sq ft	148664	\$ 0.56			\$ 83,251.84	\$ -	\$ 83,251.84					
<b>6170 Pre-Fabricated Structural Wood</b>									<b>\$ 655,023.80</b>				<b>\$ 4.41</b>
Girder Truss	lin ft	557	\$ 55.00			\$ 30,635.00	\$ -	\$ 30,635.00					
Pre-Fabricated Trusses w. 2' Overhang	sq ft	148664	\$ 4.20			\$ 624,388.80	\$ -	\$ 624,388.80					
<b>6220 Framing Labour</b>									<b>\$ 787,287.73</b>				<b>\$ 5.30</b>
2x6 Stud Wall @ 24" o/c 9' ht (Incl 2xT.P. & PT B.P.)	lin ft	242	\$ 6.80			\$ -	\$ 1,645.60	\$ 1,645.60					
2x6 Stud Wall @ 24" o/c 6' ht (Incl 2xT.P. & PT B.P.)	lin ft	3846	\$ 6.80			\$ -	\$ 26,152.80	\$ 26,152.80					
2x4 Stud Wall @ 24" o/c 6' ht (Incl 2xT.P. & PT B.P.)	lin ft	2402	\$ 6.25			\$ -	\$ 15,012.50	\$ 15,012.50					
2x4 Stud Wall @ 16" o/c 9' ht (Incl 2xT.P. & PT B.P.)	lin ft	0	\$ 7.80			\$ -	\$ -	\$ -					
2x4 Girts @ 24"	BF	7557	\$ 1.33			\$ -	\$ 10,065.92	\$ 10,065.92					
2x4 PT Girts, to Concrete	BF	3779	\$ 1.62			\$ -	\$ 6,121.98	\$ 6,121.98					
2x6 Columns	BF	804	\$ 0.85			\$ -	\$ 680.18	\$ 680.18					
2x6 Header	BF	536	\$ 2.34			\$ -	\$ 1,254.24	\$ 1,254.24					
2 ply 2x8 Lintel	BF	893	\$ 1.87			\$ -	\$ 1,671.70	\$ 1,671.70					
2 ply 2x10 Lintel	BF	0	\$ 1.60			\$ -	\$ -	\$ -					
2 ply 2x12 Lintel	BF	0	\$ 1.42			\$ -	\$ -	\$ -					
2x4 Purlins (incl'd Valleys)	BF	51376	\$ 1.33			\$ -	\$ 68,432.83	\$ 68,432.83					
2x4 Lateral Bracing	BF	16800	\$ 1.33			\$ -	\$ 22,377.60	\$ 22,377.60					
2x6 Vertical Sway Bracing	BF	5600	\$ 1.33			\$ -	\$ 7,459.20	\$ 7,459.20					
2x6 Anchor Bracing	BF	1528	\$ 1.33			\$ -	\$ 2,035.30	\$ 2,035.30					
2x6 Blocking under Splice Plates	BF	1152	\$ 1.83			\$ -	\$ 2,108.16	\$ 2,108.16					
1x4 Web Nailer	BF	764	\$ 2.82			\$ -	\$ 2,152.19	\$ 2,152.19					
2x4 Ceiling Strapping	BF	50673	\$ 1.44			\$ -	\$ 72,969.12	\$ 72,969.12					
2x6 Purlins	BF	4584	\$ 0.95			\$ -	\$ 4,331.88	\$ 4,331.88					
2x6 Heels	BF	4584	\$ 1.69			\$ -	\$ 7,756.13	\$ 7,756.13					

1x4 Soffit Nailer	BF	1528		\$ 2.81		\$ -	\$ 4,290.62	\$ 4,290.62					
1x4 Painted Trim Board	BF	3144		\$ 2.00		\$ -	\$ 6,288.00	\$ 6,288.00					
Soffit Doors, 8'	ea	264		\$ 30.00		\$ -	\$ 7,920.00	\$ 7,920.00					
2x6 P.T. rough bucks for doors/windows	BF	544		\$ 1.95		\$ -	\$ 1,060.80	\$ 1,060.80					
2x4 P.T. sill plate for doors/windows	BF	183		\$ 1.95		\$ -	\$ 356.85	\$ 356.85					
Interior Galv. Drip Flashing	lin ft	9442		\$ 1.17		\$ -	\$ 11,047.14	\$ 11,047.14					
2x3 Recirc duct	BF	13035		\$ 1.88			\$ 24,505.80	\$ 24,505.80					
1/2" P.T. Plywood Sheathing	sq ft	5668		\$ 0.83		\$ -	\$ 4,704.44	\$ 4,704.44					
3/8" OSB Sheathing Recirc duct	sq ft	55835		\$ 0.69		\$ -	\$ 38,526.15	\$ 38,526.15					
3/8" OSB for Attic Smoke Stops	sq ft	109296		\$ 0.63		\$ -	\$ 68,856.48	\$ 68,856.48					
3/8" OSB to Wall, P.N.	sq ft	56652		\$ 0.63		\$ -	\$ 35,690.76	\$ 35,690.76					
3/8" OSB to Gables, P.N.	sq ft	5184		\$ 0.63		\$ -	\$ 3,265.92	\$ 3,265.92					
3/8" OSB to Ceiling, P.N.	sq ft	148664		\$ 0.69		\$ -	\$ 102,578.16	\$ 102,578.16					
Pre-Fabricated Trusses w/ 2' Overhang	sq ft	148664		\$ 0.80	\$ 0.72	\$ -	\$ 225,969.28	\$ 225,969.28					
<b>Division 7 - Thermal &amp; Moisture Protection</b>													
<b>7210 Building Insulation</b>													\$ 423,299.60
R30 blow in insulation	sq ft	148664	\$ 0.82	\$ 0.64	\$ 0.34	\$ 121,904.48	\$ 145,690.72	\$ 267,595.20					\$ 2.11
Insulation Stops	ea	1144	\$ 3.94			\$ 4,507.36	\$ -	\$ 4,507.36					
Perimeter Ins., 2" Polystyrene (R7.69) below grade	sq ft	5668	\$ 1.59			\$ 9,012.12	\$ -	\$ 9,012.12					
Perimeter Ins., 1 1/2" Polystyrene (R7.69) around perimeter conc	sq ft	11336	\$ 1.37			\$ 15,530.32	\$ -	\$ 15,530.32					
6"x23" Fibreglass Batts Unfaced (R20)	sq ft	17004	\$ 0.93			\$ 15,813.72	\$ -	\$ 15,813.72					
<b>7260 Vapour Retarders</b>													\$ 0.11
Urethane Sill Gasket	lin ft	6138	\$ 0.24			\$ 1,473.12	\$ -	\$ 1,473.12					
6mil Poly Vapour Barrier	C. sq ft	2245	\$ 6.85			\$ 15,378.25	\$ -	\$ 15,378.25					
<b>7400 Roofing &amp; Siding Panels</b>													\$ 1.58
10' Wall Metal Cladding	lin ft	9450	\$ 4.38			\$ 41,391.00	\$ -	\$ 41,391.00					
40' Roof Metal Cladding	lin ft	14240	\$ 4.38			\$ 62,371.20	\$ -	\$ 62,371.20					
35' Roof Metal Cladding	lin ft	12460	\$ 4.38			\$ 54,574.80	\$ -	\$ 54,574.80					
5' 8" Roof Metal Cladding	lin ft	152	\$ 4.38			\$ 665.76	\$ -	\$ 665.76					
16' Wall Gable Metal Cladding	lin ft	1728	\$ 4.38			\$ 7,568.64	\$ -	\$ 7,568.64					
2' Fascia	lin ft	1528	\$ 4.90			\$ 7,487.20	\$ -	\$ 7,487.20					
2' Soffit	sq ft	4584	\$ 1.05			\$ 4,813.20	\$ -	\$ 4,813.20					
J Trim	lin ft	6470	\$ 1.26			\$ 8,152.20	\$ -	\$ 8,152.20					
Rake Flashing	lin ft	2290	\$ 1.94			\$ 4,442.60	\$ -	\$ 4,442.60					
Divider Flashing	lin ft	560	\$ 1.26			\$ 705.60	\$ -	\$ 705.60					
Base Drip Flashing	lin ft	2840	\$ 1.26			\$ 3,578.40	\$ -	\$ 3,578.40					
Outside Corner	lin ft	80	\$ 3.20			\$ 256.00	\$ -	\$ 256.00					
Inside Corner	lin ft	40	\$ 3.10			\$ 124.00	\$ -	\$ 124.00					
Fascia	lin ft	2290	\$ 1.84			\$ 4,213.60	\$ -	\$ 4,213.60					
Gable Flashing	lin ft	300	\$ 2.99			\$ 897.00	\$ -	\$ 897.00					
Ridge Cap	lin ft	1150	\$ 3.15			\$ 3,622.50	\$ -	\$ 3,622.50					
Butyl Tape, 50' roll	ea	530	\$ 8.95			\$ 4,743.50	\$ -	\$ 4,743.50					
Foam Closures	ea	766	\$ 4.28			\$ 3,278.48	\$ -	\$ 3,278.48					
#10 x 1 1/2" Pre-painted Screws w/neoprene washer	ea	114100	\$ 0.13			\$ 14,833.00	\$ -	\$ 14,833.00					
#12 x 5/8" Pre-painted Stitch Screw w/neoprene washer	ea	38100	\$ 0.18			\$ 6,858.00	\$ -	\$ 6,858.00					
<b>7900 Joint Sealers</b>													\$ 0.02
Plumbing Stack Boots	ea	2	\$ 95.00			\$ 190.00	\$ -	\$ 190.00					
Chimney Fan Seal Kit	ea	3	\$ 210.00			\$ 630.00	\$ -	\$ 630.00					
Acoustical Sealant, 3/4" dia	c. lin ft	189	\$ 14.87			\$ 2,810.43	\$ -	\$ 2,810.43					
<b>7990 Installation of Insulation and Cladding</b>													\$ 1.24
Insulation Stops	ea	1144	\$ 1.50		\$ -	\$ 1,716.00	\$ 1,716.00						

Perimeter Ins., 2" Polystyrene (R7.69)	sq ft	5668		\$ 0.64		\$ -	\$ 3,627.52	\$ 3,627.52							
Perimeter Ins., 1 1/2" Polystyrene (R7.69) around perimeter conc	sq ft	11336		\$ 0.64		\$ -	\$ 7,255.04	\$ 7,255.04							
6"x23" Fiberglass Batts Unfaced (R20)	sq ft	17004		\$ 0.35		\$ -	\$ 5,951.40	\$ 5,951.40							
Urethane Sill Gasket	lin ft	6138		\$ 0.20		\$ -	\$ 1,227.60	\$ 1,227.60							
6mil Poly Vapour Barrier	c. sq ft	2245		\$ 12.65		\$ -	\$ 28,399.25	\$ 28,399.25							
10' Wall Metal Cladding	lin ft	9450		\$ 4.58		\$ -	\$ 43,281.00	\$ 43,281.00							
40' Roof Metal Cladding	lin ft	12460		\$ 3.49		\$ -	\$ 43,485.40	\$ 43,485.40							
35' Roof Metal Cladding	lin ft	152		\$ 3.49		\$ -	\$ 530.48	\$ 530.48							
5' 8" Roof Metal Cladding	lin ft	1728		\$ 3.49		\$ -	\$ 6,030.72	\$ 6,030.72							
16' Wall Gable Metal Cladding	lin ft	1528		\$ 4.58		\$ -	\$ 6,998.24	\$ 6,998.24							
2' Fascia	lin ft	4584		\$ 4.58		\$ -	\$ 20,994.72	\$ 20,994.72							
Acoustical Sealant, 3/4" dia	c. lin ft	189		\$ 75.00		\$ -	\$ 14,175.00	\$ 14,175.00							
<b>Division 8 - Doors &amp; Windows</b>												\$ 75,601.80	\$ 23,713.32	\$ 99,315.12	\$ 0.67
<b>8100 Steel Doors &amp; Frame</b>												\$ 80,018.25			
Steel Door, Insulated, 18 ga, 3'0" x 6' 8" with Frame/Hardware	ea	3	\$ 2,864.95	\$ 578.50		\$ 8,594.85	\$ 1,735.50	\$ 10,330.35							
Steel Double Door, Insulated, 18 ga, 6'0" x 6' 8" with Frame/Hardware	ea	1	\$ 3,479.95	\$ 641.00		\$ 3,479.95	\$ 641.00	\$ 4,120.95							
Emergency Exits	ea	33	\$ 1,061.90	\$ 389.75		\$ 35,042.70	\$ 12,861.75	\$ 47,904.45							
Interior Office Door c/w Frame and Hardware	ea	15	\$ 1,013.00	\$ 164.50		\$ 15,195.00	\$ 2,467.50	\$ 17,662.50							
<b>8200 Wood &amp; Plastic Doors</b>												\$ 15,306.87			\$ 0.10
Site Built Wood Door 3'0" x 6'8"	ea	31	\$ 225.00	\$ 135.00		\$ 6,975.00	\$ 4,185.00	\$ 11,160.00							
Wood Frame, 5/4x4 9/16" deep	lin ft	403	\$ 8.10	\$ 2.19		\$ 3,264.30	\$ 882.57	\$ 4,146.87							
<b>8300 Specialty Doors</b>												\$ 3,990.00			\$ 0.03
3'x7' Overhead Door, 24 ga. Steel, chain hoist operated	ea	2	\$ 1,525.00	\$ 470.00		\$ 3,050.00	\$ 940.00	\$ 3,990.00							
<b>Division 9 - Finishes</b>												\$ 93,641.10	\$ 196,479.18	\$ 290,120.28	\$ 1.95
<b>9100 Metal Support Assemblies</b>												\$ 3,880.80			\$ 0.03
5/16" T-Bar Support System, 2'x4' grid	sq ft	1980	\$ 1.37	\$ 0.59		\$ 2,712.60	\$ 1,168.20	\$ 3,880.80							
<b>9250 Gypsum Board</b>												\$ 66,169.20			\$ 0.45
5/8" FR Drywall, Moisture Resistant	sq ft	29148	\$ 1.09			\$ 31,771.32	\$ -	\$ 31,771.32							
5/8" Drywall	sq ft	7792	\$ 0.74			\$ 5,766.08	\$ -	\$ 5,766.08							
Boarding, Walls	sq ft	34960	\$ -	\$ 0.47		\$ -	\$ 16,431.20	\$ 16,431.20							
Boarding, Ceilings	sq ft	1980	\$ -	\$ 0.52		\$ -	\$ 1,029.60	\$ 1,029.60							
Tape & Finish, Walls	sq ft	7792	\$ -	\$ 0.50		\$ -	\$ 3,896.00	\$ 3,896.00							
Firetape, Walls	sq ft	29148	\$ 0.05	\$ 0.15		\$ 1,457.40	\$ 4,372.20	\$ 5,829.60							
Tape & Finish, Ceilings	sq ft	1980	\$ -	\$ 0.73		\$ -	\$ 1,445.40	\$ 1,445.40							
<b>9500 Ceiling</b>												\$ 6,811.20			\$ 0.05
5/8" Mineral Fibre Tiles	sq ft	1980	\$ 2.69	\$ 0.75		\$ 5,326.20	\$ 1,485.00	\$ 6,811.20							
<b>9910 Painting</b>												\$ 213,259.08			\$ 1.43
Paint walls & ceilings	sq ft	213108		\$ 0.76		\$ -	\$ 161,962.08	\$ 161,962.08							
Paint Doors	ea	83	\$ 20.50	\$ 56.50		\$ 1,701.50	\$ 4,689.50	\$ 6,391.00							
Oil Primer	5 gal	135	\$ 102.00	\$ -		\$ 13,770.00	\$ -	\$ 13,770.00							
Latex Paint	5 gal	224	\$ 139.00	\$ -		\$ 31,136.00	\$ -	\$ 31,136.00							
<b>Division 10 - Specialties</b>												\$ 5,346.00	\$ 688.60	\$ 6,034.60	\$ 0.04
<b>10520 Fire Protection Specialties</b>												\$ 6,034.60			
All Purpose 9 1/2 lbs Extinguisher	ea	44	\$ 121.50			\$ 5,346.00	\$ -	\$ 5,346.00							
Mount Extinguishers	ea	44		\$ 15.65		\$ -	\$ 688.60	\$ 688.60							
<b>Division 11 - Building Equipment</b>												\$ 5,040,233.89	\$ 533,050.18	\$ 5,573,284.07	\$ 37.49
<b>11800 Barn Equipment</b>															\$ -
<b>Penning, Stalls &amp; Flooring</b>												\$ 2,265,967.97			\$ 15.24
Boar Pens	ea	8	\$ 631.13			\$ 5,049.00		\$ 5,049.00							
Gilt Stalls, black steel	ea	503	\$ 499.49			\$ 251,242.46		\$ 251,242.46							
PVC Plank 2" x 38" x 22'	ea	250	\$ 447.34			\$ 111,835.35		\$ 111,835.35							

PVC Bullnose, 2"x32"	ea	104	\$ 15.37		\$ 1,598.56	\$ 1,598.56					
PVC Droprod 3/4"x20'	ea	21	\$ 40.45		\$ 849.44	\$ 849.44					
1/4" SS Bolt/Washers/Lock Nuts	ea	750	\$ 0.73		\$ 550.80	\$ 550.80					
SS 6 Loop U-channel Post 38" w/Plate	ea	44	\$ 87.37		\$ 3,844.31	\$ 3,844.31					
SS 3 Loop U-channel Post 38" w/Plate	ea	27	\$ 89.79		\$ 2,424.38	\$ 2,424.38					
SS 2-way U-Channel Post 38" w/Plate	ea	8	\$ 114.88		\$ 919.02	\$ 919.02					
SS 3-way U-Channel Post 38" w/Plate	ea	12	\$ 122.31		\$ 1,467.73	\$ 1,467.73					
SS 4-way U-Channel Post 38" w/Plate	ea	108	\$ 142.70		\$ 15,411.19	\$ 15,411.19					
SS U-Channel Post 38" w/Plate	ea	281	\$ 71.19		\$ 20,004.64	\$ 20,004.64					
SS Wall U-Channel Post, 38"	ea	57	\$ 63.75		\$ 3,633.75	\$ 3,633.75					
SS 3-Loop Wall Bracket	ea	20	\$ 57.44		\$ 1,148.88	\$ 1,148.88					
3/8" SS Lag Bolts	ea	250	\$ 2.18		\$ 544.00	\$ 544.00					
SS T-Bolt w/nuts and washers	ea	2200	\$ 7.46		\$ 16,409.25	\$ 16,409.25					
Nursery Flooring	ea	3680	\$ 7.89		\$ 29,035.20	\$ 29,035.20					
Farrow Crates (c/w flooring & creep penning)	ea	800	\$ 2,250.00		\$ 1,800,000.00	\$ 1,800,000.00					
<b>Animal HVAC</b>							<b>\$ 469,304.52</b>				<b>\$ 3.16</b>
Exhaust Fan - Better Air LPF-2400	ea	25	\$ 893.70		\$ 22,342.50	\$ 22,342.50					
Exhaust Fan - Better Air LPF-2800	ea	1	\$ 1,071.00		\$ 1,071.00	\$ 1,071.00					
Exhaust Fan - Better Air LPF-3800	ea	4	\$ 1,334.70		\$ 5,338.80	\$ 5,338.80					
Exhaust Fan - Better Air LPF-4800	ea	8	\$ 1,994.40		\$ 15,955.20	\$ 15,955.20					
Exhaust Fan - Better Air LPF-1200	ea	1	\$ 564.30		\$ 564.30	\$ 564.30					
Exhaust Fan - Better Air LPF-1400	ea	40	\$ 570.60		\$ 22,824.00	\$ 22,824.00					
Exhaust Fan - Better Air LPF-1600	ea	1	\$ 640.80		\$ 640.80	\$ 640.80					
Exhaust Fan - Better Air LPF-1800	ea	22	\$ 692.10		\$ 15,226.20	\$ 15,226.20					
Exhaust Fan - Better Air LPF-5000	ea	2	\$ 2,136.60		\$ 4,273.20	\$ 4,273.20					
Exhaust Fan - Better Air FW-6020	ea	6	\$ 2,886.30		\$ 17,317.80	\$ 17,317.80					
Exhaust Fan - Better Air CFM 18 Chimney Fan	ea	1	\$ 772.20		\$ 772.20	\$ 772.20					
Exhaust Fan - Better Air CFM 25 Chimney Fan	ea	2	\$ 1,150.20		\$ 2,300.40	\$ 2,300.40					
Chimney and Damper, 18"	ea	1	\$ 338.40		\$ 338.40	\$ 338.40					
Chimney and Damper, 25"	ea	2	\$ 552.60		\$ 1,105.20	\$ 1,105.20					
Recirc Fan Better Air LCF 1400	ea	2	\$ 469.80		\$ 939.60	\$ 939.60					
Recirc Fan Better Air LCF 1800	ea	20	\$ 545.40		\$ 10,908.00	\$ 10,908.00					
Recirc Fan Better Air LCF 2400	ea	14	\$ 675.90		\$ 9,462.60	\$ 9,462.60					
Recirc.Fan LCF-2000	ea	0	\$ 585.90		\$ -	\$ -					
16/18" Backdraft Damper	ea	44	\$ 120.60		\$ 5,306.40	\$ 5,306.40					
20/24" Backdraft Damper	ea	4	\$ 157.50		\$ 630.00	\$ 630.00					
Winter Closure	ea	56	\$ 213.30		\$ 11,944.80	\$ 11,944.80					
White Silicone	ea	50	\$ 5.64		\$ 282.15	\$ 282.15					
#10 x 1 1/2" SS Screws	ea	7250	\$ 0.18		\$ 1,305.00	\$ 1,305.00					
Air Inlet - Better Air SF-1200	ea	240	\$ 118.35		\$ 28,404.00	\$ 28,404.00					
Air Inlet - Better Air SF 2000	ea	223	\$ 130.05		\$ 29,001.15	\$ 29,001.15					
Air inlet actuator	ea	39	\$ 535.50		\$ 20,884.50	\$ 20,884.50					
SS cable	lin. Ft.	6150	\$ 1.17		\$ 7,195.50	\$ 7,195.50					
Galv. Cable Clamp	ea	195	\$ 3.15		\$ 614.25	\$ 614.25					
Azuma nuts	ea	1000	\$ 2.30		\$ 2,295.00	\$ 2,295.00					
Air inlet counterweight	ea	78	\$ 34.62		\$ 2,700.59	\$ 2,700.59					
Hanging pulley	ea	78	\$ 13.50		\$ 1,053.00	\$ 1,053.00					
Flush mount pulley	ea	263	\$ 10.80		\$ 2,840.40	\$ 2,840.40					
Hand Winch w/bracket and bolts	ea	39	\$ 112.50		\$ 4,387.50	\$ 4,387.50					
Space Heater (60/100 MBTU)	ea	2	\$ 900.00		\$ 1,800.00	\$ 1,800.00					
Space Heater (250 MBTUH)	ea	33	\$ 1,687.50		\$ 55,687.50	\$ 55,687.50					
Heat Lamps	ea	800	\$ 37.01		\$ 29,607.12	\$ 29,607.12					
Heat Pads	ea	780	\$ 127.93		\$ 99,783.33	\$ 99,783.33					

Master Heat Pads	ea	20	\$ 323.51		\$ 6,470.12	\$ 6,470.12						
Back-up thermostat	ea	28	\$ 99.00		\$ 2,772.00	\$ 2,772.00						
Manual fan control	ea	28	\$ 155.00		\$ 4,340.00	\$ 4,340.00						
Temperature Probe with Cable	ea	28	\$ 665.00		\$ 18,620.00	\$ 18,620.00						
<b>Watering System</b>									<b>\$ 153,122.12</b>			\$ 1.03
Water Meter	ea	1	\$ 1,000.00		\$ 1,000.00	\$ 1,000.00						
2" PVC Sch40 Pipe	lin. Ft.	200	\$ 4.97		\$ 993.60	\$ 993.60						
2"x1 1/2" PVC Sch40Tee	ea	4	\$ 3.77		\$ 15.07	\$ 15.07						
2" PVC Sch40 90 Degree Elbow	ea	16	\$ 2.74		\$ 43.85	\$ 43.85						
2" PVC Sch40 End Cap	ea	1	\$ 1.38		\$ 1.38	\$ 1.38						
2" Standoff Clamps	ea	50	\$ 6.76		\$ 338.18	\$ 338.18						
1 1/2" camlock coupler FCCxHB	ea	49	\$ 15.27		\$ 748.16	\$ 748.16						
1 1/2" camlock coupler MCCxFNT	ea	49	\$ 3.62		\$ 177.28	\$ 177.28						
1 1/2" PVC sch40 end cap	ea	18	\$ 1.11		\$ 19.93	\$ 19.93						
1 1/2" PVC sc40 true union ball valve	ea	8	\$ 61.57		\$ 492.59	\$ 492.59						
1 1/2" PVC sch40 45 degree elbow	ea	49	\$ 2.46		\$ 120.39	\$ 120.39						
1 1/2" PVC sch40 90 degree elbow	ea	24	\$ 1.74		\$ 41.80	\$ 41.80						
1 1/2" PVC sch40 adapter SxMNT	ea	49	\$ 1.32		\$ 64.83	\$ 64.83						
1 1/2" PVC sch40 ball valve	ea	49	\$ 14.82		\$ 726.33	\$ 726.33						
1 1/2" PVC sch40 coupling SxS	ea	140	\$ 2.74		\$ 383.67	\$ 383.67						
1 1/2" PVC sch40 pipe (linear feet)	ea	2800	\$ 3.94		\$ 11,037.60	\$ 11,037.60						
1 1/2" PVC sch40 tee	ea	64	\$ 2.34		\$ 149.47	\$ 149.47						
1 1/2" PVC standoff clamp	ea	700	\$ 5.21		\$ 3,647.70	\$ 3,647.70						
1 1/2" x 3/4" PVC sch40 tee	ea	64	\$ 3.81		\$ 243.65	\$ 243.65						
1/4" braided hose (linear feet)	ea	3100	\$ 0.54		\$ 1,674.00	\$ 1,674.00						
1/4" S.S. hose clamps	ea	2000	\$ 0.49		\$ 988.80	\$ 988.80						
24v transformer for solenoid valve	ea	48	\$ 28.32		\$ 1,359.36	\$ 1,359.36						
3/4" PVC sch40 end cap	ea	270	\$ 1.03		\$ 277.02	\$ 277.02						
3/4" PVC sch40 90 degree elbow	ea	308	\$ 0.55		\$ 170.48	\$ 170.48						
3/4" PVC sch40 ball valve SxS	ea	1077	\$ 4.85		\$ 5,219.68	\$ 5,219.68						
3/4" PVC sch40 coupling SxS	ea	455	\$ 0.47		\$ 214.99	\$ 214.99						
3/4" PVC sch40 pipe (linear feet)	ea	15125	\$ 1.59		\$ 24,094.13	\$ 24,094.13						
3/4" PVC sch40 SxMT adapter	ea	76	\$ 0.51		\$ 38.99	\$ 38.99						
3/4" PVC sch40 tee	ea	1365	\$ 0.68		\$ 921.38	\$ 921.38						
3/4" PVC sch40 true union ball valve	ea	76	\$ 39.69		\$ 3,016.44	\$ 3,016.44						
3/4" PVC standoff clamp	ea	3880	\$ 2.67		\$ 10,371.24	\$ 10,371.24						
PVC glue	ea	40	\$ 22.77		\$ 910.98	\$ 910.98						
PVC primer	ea	40	\$ 15.01		\$ 600.48	\$ 600.48						
Reducing adapter, 1/2" MNT x 1/4" hose barb	ea	996	\$ 4.04		\$ 4,020.35	\$ 4,020.35						
Reducing adapter, 3/4" slip x 1/4" hose barb	ea	996	\$ 2.17		\$ 2,164.81	\$ 2,164.81						
Sow Dripper	ea	800	\$ 1.28		\$ 1,020.00	\$ 1,020.00						
Solenoid valves	ea	48	\$ 40.55		\$ 1,946.40	\$ 1,946.40						
Fire hose (linear feet)	ea	300	\$ 3.81		\$ 1,142.10	\$ 1,142.10						
Spray Nozzle	ea	4	\$ 20.13		\$ 80.51	\$ 80.51						
36" Double Drinker w/Nipples	ea	196	\$ 60.41		\$ 11,840.85	\$ 11,840.85						
Teflon Tape	ea	100	\$ 1.50		\$ 149.85	\$ 149.85						
#8x3" SS Screws	ea	10000	\$ 0.28		\$ 2,800.00	\$ 2,800.00						
Medicator	ea	1	\$ 902.37		\$ 902.37	\$ 902.37						
5% allowance for extras & modifications	ea	0.05	\$ 1,088.01		\$ 54.40	\$ 54.40						
1/2" sch80 galv steel pipe (linear feet)	ea	2950	\$ 5.45		\$ 16,077.50	\$ 16,077.50						
3/4" sch80 galv steel pipe (linear feet)	ea	320	\$ 6.60		\$ 2,112.00	\$ 2,112.00						
1/2" sch80 galv steel 90 degree elbow	ea	60	\$ 6.96		\$ 417.60	\$ 417.60						
1/2" sch80 galv steel tee	ea	72	\$ 15.90		\$ 1,144.80	\$ 1,144.80						

1/2" sch80 galv steel ball valves	ea	57	\$ 39.00		\$ 2,223.00		\$ 2,223.00					
3/4" sch80 galv steel ball valves	ea	2	\$ 71.00		\$ 142.00		\$ 142.00					
3/4"x 1/2 "sch80 galv steel tee	ea	8	\$ 85.08		\$ 680.61		\$ 680.61					
1/2" sch80 galv steel coupling	ea	130	\$ 9.66		\$ 1,255.80		\$ 1,255.80					
1/2" sch80 galv steel union	ea	8	\$ 32.40		\$ 259.20		\$ 259.20					
1/2" aluminum long shank pipe hangers	ea	325	\$ 5.78		\$ 1,878.50		\$ 1,878.50					
3/4" aluminum long shank pipe hangers	ea	40	\$ 7.53		\$ 301.20		\$ 301.20					
3/4" sch80 galv steel 90 degree elbow	ea	8	\$ 8.40		\$ 67.20		\$ 67.20					
3/4" sch80 galv steel coupling	ea	16	\$ 11.34		\$ 181.44		\$ 181.44					
3/4" sch80 galv steel union	ea	2	\$ 37.80		\$ 75.60		\$ 75.60					
3/4" End Cap	ea	1	\$ 9.54		\$ 9.54		\$ 9.54					
Pressure washer drops	ea	69	\$ 75.00		\$ 5,175.00		\$ 5,175.00					
#10x3" SS Screws	ea	750	\$ 0.42		\$ 315.00		\$ 315.00					
Teflon Tape	ea	100	\$ 0.81		\$ 81.08		\$ 81.08					
10 HP Pressure Washer	ea	1	\$ 24,500.00		\$ 24,500.00		\$ 24,500.00					
<b>Feed System</b>			\$ -				\$ -	<b>\$ 1,763,579.60</b>				<b>\$ 11.86</b>
Boot bin	ea	12	\$ 62.26		\$ 747.08		\$ 747.08					
Bin Unloader	ea	12	\$ 466.07		\$ 5,592.89		\$ 5,592.89					
PVC Tubing (10 ft Tube)	ea	788	\$ 32.71		\$ 25,773.75		\$ 25,773.75					
Auger Flighting	lin ft	7875	\$ 4.24		\$ 33,392.76		\$ 33,392.76					
Elbow	ea	17	\$ 27.48		\$ 467.22		\$ 467.22					
Tube Clamp	ea	30	\$ 4.98		\$ 149.45		\$ 149.45					
Flex Auger Tube Spacer Shim	ea	12	\$ 6.90		\$ 82.76		\$ 82.76					
PVC Coupler	ea	800	\$ 6.25		\$ 4,996.08		\$ 4,996.08					
Drop Kit	ea	1371	\$ 17.52		\$ 24,020.33		\$ 24,020.33					
3/4 HP Feed Motor	ea	99	\$ 647.07		\$ 64,060.18		\$ 64,060.18					
1 HP Feed Motor	ea	9	\$ 733.09		\$ 6,597.85		\$ 6,597.85					
Feedlines Extension Unit	ea	4	\$ 501.27		\$ 2,005.09		\$ 2,005.09					
Control Unit	ea	108	\$ 257.29		\$ 27,787.15		\$ 27,787.15					
Proximity Sensor	ea	108	\$ 174.11		\$ 18,803.83		\$ 18,803.83					
3 1/2" Plastic Drop Tubes (12' Length)	ea	460	\$ 31.27		\$ 14,386.09		\$ 14,386.09					
Wall Seal Plate and Gasket	ea	13	\$ 69.51		\$ 903.63		\$ 903.63					
PVC glue	ea	50	\$ 16.87		\$ 843.50		\$ 843.50					
PVC primer	ea	50	\$ 11.12		\$ 556.00		\$ 556.00					
3/16" Zinc Plated Chain	lin ft	3000	\$ 1.31		\$ 3,930.00		\$ 3,930.00					
2" Plated S Hook	ea	1000	\$ 0.69		\$ 690.00		\$ 690.00					
1/4" x 3 1/4" SS Screwhook	ea	1000	\$ 3.50		\$ 3,500.00		\$ 3,500.00					
Feed System Time Clock	ea	8	\$ 514.56		\$ 4,116.49		\$ 4,116.49					
SS Trough	ea	1000	\$ 20.96		\$ 20,958.75		\$ 20,958.75					
SS Feeders, Wet/Dry, 2 spc, 2 side	ea	6	\$ 523.60		\$ 3,141.60		\$ 3,141.60					
Boar Feeder	ea	8	\$ 349.99		\$ 2,799.90		\$ 2,799.90					
Electronic Sow Feeders	package	1	\$ 1,420,550.56		\$ 1,420,550.56		\$ 1,420,550.56					
2.3 Tonne Feed Bin	ea	1	\$ 3,339.63		\$ 3,339.63		\$ 3,339.63					
5.2 Tonne Feed Bin	ea	3	\$ 3,398.61		\$ 10,195.84		\$ 10,195.84					
11 Tonne Feed Bin	ea	1	\$ 5,769.97		\$ 5,769.97		\$ 5,769.97					
28.7 Tonne Feed Bin	ea	2	\$ 10,168.94		\$ 20,337.89		\$ 20,337.89					
22.64 tonne Feed Bins	ea	4	\$ 8,270.84		\$ 33,083.37		\$ 33,083.37					
<b>Lift Station</b>			\$ -				\$ -	<b>\$ 88,610.88</b>				<b>\$ 0.60</b>
5' x 36" Concrete Well Cribbing	ea	6	\$ 583.20		\$ 3,499.20		\$ 3,499.20					
5' Concrete Well Base	ea	2	\$ 704.70		\$ 1,409.40		\$ 1,409.40					
5' Concrete Top	ea	2	\$ 324.00		\$ 648.00		\$ 648.00					
ITT Flygt 10HP Submersible Pump w/controls, starter	ea	2	\$ 34,800.00		\$ 69,600.00		\$ 69,600.00					
3/16" SS Cable	lin ft	50	\$ 1.03		\$ 51.50		\$ 51.50					

3/16" SS Clamp	ea	8	\$ 9.24		\$ 73.92	\$ 73.92						
Discharge Elbow for 10HP Pump	ea	2	\$ 2,514.26		\$ 5,028.52	\$ 5,028.52						
Float w/6m cable	ea	6	\$ 292.03		\$ 1,752.18	\$ 1,752.18						
SS guide Rails	ea	4	\$ 537.04		\$ 2,148.16	\$ 2,148.16						
2000lb Winch on Stand	ea	2	\$ 1,950.00		\$ 3,900.00	\$ 3,900.00						
Bolts and Parts Allowance	ea	2	\$ 250.00		\$ 500.00	\$ 500.00						
<b>Sewer Pipe</b>			\$ -		\$ -	\$ 197,006.45						\$ 1.33
10" Ultra-rib Pipe	lin ft	2050	\$ 18.35		\$ 37,617.50	\$ 37,617.50						
10" U-R 45 degree Elbow	ea	16	\$ 613.24		\$ 9,811.84	\$ 9,811.84						
10"x8" U-R Wye	ea	8	\$ 768.30		\$ 6,146.40	\$ 6,146.40						
10"x8" U-R Tee	ea	44	\$ 426.30		\$ 18,757.20	\$ 18,757.20						
10"x6" Adapter	ea	8	\$ 549.56		\$ 4,396.46	\$ 4,396.46						
10" U-R Wye	ea	8	\$ 948.26		\$ 7,586.08	\$ 7,586.08						
8" U-R x 6" SDR35 Adapter	ea	8	\$ 305.31		\$ 2,442.48	\$ 2,442.48						
8" Ultra-rib Tee	ea	166	\$ 383.52		\$ 63,664.32	\$ 63,664.32						
8" Ultra-rib 45 Elbow	ea	16	\$ 263.67		\$ 4,218.72	\$ 4,218.72						
8" Ultra-rib pipe	lin ft	2610	\$ 11.37		\$ 29,683.53	\$ 29,683.53						
8" Pit Plugs	ea	210	\$ 32.00		\$ 6,720.00	\$ 6,720.00						
6" SDR35 Pipe	lin ft	128	\$ 12.27		\$ 1,570.56	\$ 1,570.56						
6" SDR35 45 degree Elbow	ea	16	\$ 56.69		\$ 907.04	\$ 907.04						
6" SDR 35 Union	ea	16	\$ 75.95		\$ 1,215.20	\$ 1,215.20						
6" SDR35 90 degree Elbow	ea	32	\$ 70.91		\$ 2,269.12	\$ 2,269.12						
<b>Misc</b>			\$ -		\$ -	\$ 102,642.36						\$ 0.69
Alarm System	ea	1	\$ 4,500.00		\$ 4,500.00	\$ 4,500.00						
Load-out Ramp	ea	1	\$ 2,240.00		\$ 2,240.00	\$ 2,240.00						
Barn Controls System (Ventilation, Heat, Feed)	ea	1	\$ 93,925.00		\$ 93,925.00	\$ 93,925.00						
Stationary Weigh Scale	ea	1	\$ 1,717.36		\$ 1,717.36	\$ 1,717.36						
Load Cells, 500lbs	ea	4	\$ 65.00		\$ 260.00	\$ 260.00						
<b>11850 Equipment Installation</b>							\$ 533,050.18					\$ 3.59
Install Penning	lin ft	4993	\$ 7.78		\$ 38,845.54	\$ 38,845.54						
Install Stalls	ea	503	\$ 40.84		\$ 20,542.52	\$ 20,542.52						
Install Farrow Crates, complete with creep, flooring, access	ea	800	\$ 157.63		\$ 126,104.00	\$ 126,104.00						
Install Nursery Flooring	sq ft	3680	\$ 2.36		\$ 8,684.80	\$ 8,684.80						
Install Exhaust & Recirculation Fans	ea	146	\$ 9.72		\$ 1,419.12	\$ 1,419.12						
Install Chimney Fans	ea	3	\$ 308.00		\$ 924.00	\$ 924.00						
Install Air Inlets	ea	463	\$ 9.72		\$ 4,500.36	\$ 4,500.36						
Install Inlet Actuators	ea	39	\$ 9.72		\$ 379.08	\$ 379.08						
Install Heaters	ea	35	\$ 110.16		\$ 3,855.60	\$ 3,855.60						
Install Control System	ea	1	\$ 7,165.00		\$ 7,165.00	\$ 7,165.00						
Install Back-up Thermostats	ea	28	\$ 95.00		\$ 2,660.00	\$ 2,660.00						
Install Manual Fan Controls	ea	28	\$ 95.00		\$ 2,660.00	\$ 2,660.00						
Install Waterlines	lin ft	18125	\$ 4.08		\$ 73,950.00	\$ 73,950.00						
Install Drinkers	ea	196	\$ 19.44		\$ 3,810.24	\$ 3,810.24						
Install HPW Pipe	lin ft	3270	\$ 6.29		\$ 20,568.30	\$ 20,568.30						
Install Pressure Washer	ea	1	\$ 760.00		\$ 760.00	\$ 760.00						
Install Feed Lines	lin ft	7875	\$ 6.80		\$ 53,550.00	\$ 53,550.00						
Install Feed Motors	ea	112	\$ 97.20		\$ 10,886.40	\$ 10,886.40						
Install Feeders	ea	14	\$ 32.40		\$ 453.60	\$ 453.60						
Install SS Trough	lin ft	1000	\$ 9.31		\$ 9,310.00	\$ 9,310.00						
Install ESF	ea	56	\$ 630.52		\$ 35,309.12	\$ 35,309.12						
Install Feed Bins	ea	12	\$ 1,440.00		\$ 17,280.00	\$ 17,280.00						
Install Lift Station	ea	1	\$ 4,440.00		\$ 4,440.00	\$ 4,440.00						
Install Sewer Pipe	lin ft	4790	\$ 16.75		\$ 80,232.50	\$ 80,232.50						

Install Alarms	ea	1	\$ 2,600.00		\$ 2,600.00	\$ 2,600.00						
Install Load-out Ramp	ea	1	\$ 960.00		\$ 960.00	\$ 960.00						
Install Scale	ea	1	\$ 1,200.00		\$ 1,200.00	\$ 1,200.00						
<b>Division 15 - Mechanical</b>									<b>\$ 63,336.03</b>	<b>\$ 74,189.59</b>	<b>\$ 137,525.62</b>	<b>\$ 0.93</b>
<b>15200 Process Piping</b>									<b>\$ 79,785.30</b>			<b>\$ 0.54</b>
1" Gas Pipe	lin ft	2600	\$ 9.70	\$ 10.90	\$ 25,220.00	\$ 28,340.00	\$ 53,560.00					
Gas Connection to Unit Heater	ea	35	\$ 140.76	\$ 532.02	\$ 4,926.60	\$ 18,620.70	\$ 23,547.30					
Gas Pipe Fittings	allow	5%	\$ 53,560.00		\$ 2,678.00	\$ -	\$ 2,678.00					
<b>15400 Plumbing Fixtures &amp; Equipment Including Supply, Waste and Vent Piping</b>									<b>\$ 21,310.45</b>			<b>\$ 0.14</b>
Water Closet, 2-piece, floor mount, Assembly Cost	ea	2	\$ 794.75	\$ 824.50	\$ 1,589.50	\$ 1,649.00	\$ 3,238.50					
Shower, 1 piece, Fibreglass, Assembly Cost	ea	4	\$ 1,105.00	\$ 871.25	\$ 4,420.00	\$ 3,485.00	\$ 7,905.00					
S.S. Sink, Double, Assembly Cost	ea	1	\$ 1,253.75	\$ 850.00	\$ 1,253.75	\$ 850.00	\$ 2,103.75					
Sink, Single, Assembly Cost	ea	2	\$ 782.00	\$ 871.25	\$ 1,564.00	\$ 1,742.50	\$ 3,306.50					
Floor Drain, Assembly Cost	ea	8	\$ 433.50	\$ 86.50	\$ 3,468.00	\$ 692.00	\$ 4,160.00					
Rough In - Washer, Assembly Cost	ea	2	\$ 64.60	\$ 233.75	\$ 129.20	\$ 467.50	\$ 596.70					
<b>15500 Heat Generating Equipment</b>									<b>\$ 4,101.25</b>			<b>\$ 0.03</b>
Hot Water Heater, Assembly Cost	ea	1	\$ 2,741.25	\$ 1,360.00	\$ 2,741.25	\$ 1,360.00	\$ 4,101.25					
<b>15700 HVAC</b>									<b>\$ 32,328.62</b>			<b>\$ 0.22</b>
Exhaust Fan, 150 CFM	ea	2	\$ 115.00	\$ 58.00	\$ 230.00	\$ 116.00	\$ 346.00					
6" diameter exhaust ducting	lin ft	60	\$ 5.20	\$ 3.61	\$ 312.00	\$ 216.60	\$ 528.60					
Air Make-up Unit, Assembly Cost incl'd ducting	sq ft	1980	\$ 3.66	\$ 5.74	\$ 7,253.73	\$ 11,360.25	\$ 18,613.98					
1" Connecting Pipe	lin ft	50	\$ 9.70	\$ 10.90	\$ 485.00	\$ 545.00	\$ 1,030.00					
1" Connecting Pipe Fittings	allow	15%	\$ 1,030.00		\$ 154.50	\$ -	\$ 154.50					
1" Valves	ea	5	\$ 54.50	\$ 38.50	\$ 272.50	\$ 192.50	\$ 465.00					
Strainer	ea	1	\$ 310.00	\$ 38.50	\$ 310.00	\$ 38.50	\$ 348.50					
Thermostat	ea	1	\$ 99.00	\$ 45.00	\$ 99.00	\$ 45.00	\$ 144.00					
Auto Air Vent	ea	1	\$ 540.00	\$ 58.00	\$ 540.00	\$ 58.00	\$ 598.00					
Floor Heat Pump	ea	1	\$ 770.00	\$ 173.00	\$ 770.00	\$ 173.00	\$ 943.00					
3/4" Floor heat piping	lin ft	2000	\$ 1.61	\$ 1.95	\$ 3,220.00	\$ 3,900.00	\$ 7,120.00					
Floor heat manifolds	ea	2	\$ 370.00	\$ 120.02	\$ 740.00	\$ 240.04	\$ 980.04					
Extrol 15 Expansion Tank	ea	1	\$ 935.00	\$ 61.50	\$ 935.00	\$ 61.50	\$ 996.50					
Pressure Gauge	ea	1	\$ 24.00	\$ 36.50	\$ 24.00	\$ 36.50	\$ 60.50					
<b>Division 16 - Electrical</b>									<b>\$ 1,538,656.96</b>	<b>\$ 1,000,127.02</b>	<b>\$ 538,529.94</b>	<b>\$ 1,538,656.96</b>
<b>16200 Main Service &amp; Distribution</b>	fir Sq Ft	148664	\$ 6.43	\$ 3.46	\$ 955,686.52	\$ 514,600.44	\$ 1,470,286.96					<b>\$ 10.35</b>
Connection of ESF and Controls	ea	1	\$ 44,440.50	\$ 23,929.50	\$ 44,440.50	\$ 23,929.50	\$ 68,370.00					
<b>Division 31 Earthworks</b>									<b>\$ 508,352.90</b>	<b>\$ 815,367.15</b>	<b>\$ 1,323,720.05</b>	<b>\$ 8.90</b>
<b>Barn Foundation</b>									<b>\$ 495,388.05</b>			<b>\$ 3.33</b>
Strip Top Soil	cu yds	5520			\$ 4.96	\$ -	\$ 27,379.20	\$ 27,379.20				
Excavate Foundations	cu yds	12770			\$ 6.44	\$ -	\$ 82,238.80	\$ 82,238.80				
Place & Compact A Base	cu yds	6610	\$ 28.00		\$ 22.68	\$ 185,080.00	\$ 149,914.80	\$ 334,994.80				
Trench Sewer Piping & Backfilling	lin ft	4790		\$ 5.60	\$ 2.23	\$ -	\$ 37,505.70	\$ 37,505.70				
Sand Bedding for Sewer Pipe	lin ft	551	\$ 2.45			\$ 1,349.95	\$ -	\$ 1,349.95				
Backfill 3' and slope away from building	cu yds	473		\$ 25.20	\$ -	\$ -	\$ 11,919.60	\$ 11,919.60				
<b>Roads and Parking</b>									<b>\$ 100,289.20</b>			<b>\$ 0.67</b>
Allow for 30' x48' parking pad,150' of driveway, 25' wide w/ditch												
Strip Top Soil	cu yds	200			\$ 4.96	\$ -	\$ 992.00	\$ 992.00				
Excavate/Backfill Road and Ditch	cu yds	400			\$ 6.48	\$ -	\$ 2,592.00	\$ 2,592.00				
Geo-Grid Reinforcement Under Roads	sq ft	5200	\$ 0.29		\$ 0.16	\$ 1,508.00	\$ 832.00	\$ 2,340.00				
18" Gravel topping on roads	cu yds	350	\$ 28.00		\$ 16.30	\$ 9,800.00	\$ 5,705.00	\$ 15,505.00				
Strip Top soil For 15' wide Ring Road	cu yds	1120			\$ 4.96	\$ -	\$ 5,555.20	\$ 5,555.20				
12" Gravel at Grade for 15' Wide Ring Road	cu yds	1350	\$ 28.00		\$ 16.30	\$ 37,800.00	\$ 22,005.00	\$ 59,805.00				
Geo-Grid Reinforcement Under Ring Road	sq ft	30000	\$ 0.29		\$ 0.16	\$ 8,700.00	\$ 4,800.00	\$ 13,500.00				

<b>Earthen Manure Storage w/HDPE Liner</b>								<b>\$ 728,042.80</b>				\$ 4.90
Strip Top Soil	cu yds	12200			\$ 4.96	\$ -	\$ 60,512.00	\$ 60,512.00				
Excavate Cells and Backfill to Berms	cu yds	32380			\$ 6.48	\$ -	\$ 209,822.40	\$ 209,822.40				
High Density PolyEthylene Liner	sq ft	245942	\$ 1.02	\$ 0.44		\$ 250,860.84	\$ 108,214.48	\$ 359,075.32				
6" Pipe to lagoon	lin ft	75	\$ 12.27	\$ 21.53		\$ 920.25	\$ 1,614.75	\$ 2,535.00				
Post and Rail System for 6" Pipe	lin ft	75	\$ 10.05	\$ 7.35	\$ 2.59	\$ 753.75	\$ 745.50	\$ 1,499.25				
Spread Topsoil on Berm	cu yds	4225		\$ 16.10		\$ -	\$ 68,022.50	\$ 68,022.50				
<b>Concrete Spillway &amp; Ramp with Curb</b>												
Forming	sq ft	1788	\$ 0.82	\$ 7.65		\$ 1,466.16	\$ 13,678.20	\$ 15,144.36				
Pouring	cu yds	33	\$ -	\$ 25.00	\$ 8.04	\$ -	\$ 1,090.47	\$ 1,090.47				
Reinforcing	ea	263	\$ 7.40			\$ 1,946.20	\$ -	\$ 1,946.20				
Concrete Material	cu yds	37	\$ 220.75		\$ 6.15	\$ 8,167.75	\$ 227.55	\$ 8,395.30				
<b>Division 33 Utilities</b>									\$ 52,375.00		\$ 52,375.00	\$ 0.35
<b>Utilities</b>									<b>\$ 52,375.00</b>			
Gas	Allow	1	\$ 5,000.00			\$ 5,000.00	\$ -	\$ 5,000.00				
Electrical	Allow	1	\$ 15,000.00			\$ 15,000.00	\$ -	\$ 15,000.00				
Water Well	Allow	1	\$ 32,375.00			\$ 32,375.00	\$ -	\$ 32,375.00				
<b>19000 Contingency (5%)</b>											<b>\$ 713,483.45</b>	\$ 4.80
<b>Sub-Total</b>									<b>\$10,545,423.19</b>	<b>\$5,813,824.37</b>	<b>\$16,359,247.56</b>	<b>\$ 110.04</b>
PST 6%	<b>Note: Some Elements are PST Exempt</b>											\$ 629,170.77 \$ 4.23
<b>Sub-Total Including PST</b>												\$ 16,988,418.33 \$ 114.27
GST 5%												\$ 817,962.38
<b>TOTAL</b>												<b>\$17,806,380.70</b>