

**Construction Costs for a 2,000 Head Hog Finishing Facility in Manitoba & Saskatchewan**

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

**Prepared by:**

**DGH Engineering Ltd.  
12 Aviation Boulevard  
St. Andrews, Manitoba R1A 3N5**

**I. Hodgkinson, CEC**

**June, 2015  
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 finisher facility in today's market conditions. A typical 2,000 Head Finisher Barn was selected as a model (see drawing, Appendix A). The facility would house the animals in four separate rooms. Staff services, building mechanical and animal receiving would be facilitated in a central corridor between the rooms. Waste collection would be facilitated through partial 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. Animal penning would consist of PVC paneling and gates with stainless steel mounting post and feeding would be provided by stainless steel self-feeders with exterior bins and an automated flex auger distribution system.

## **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 a single roof framing lintel in the central corridor as well as a small 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 6 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 6 fire extinguishers only (one in each animal housing room and two in the central corridor)

Note that depending on local municipal firefighting infrastructure, an additional firefighting water holding pond may need to be constructed. If required, it would need to hold 45,000 gallons of water. See “optional prices” at the end of the report for the estimated cost of constructing a holding pond.

If a link is constructed to connect multiple finisher facilities, the minimum separation distance would be 25 metres to avoid fire rating exterior walls. If the distance is less than 25 metres, the wall of adjacent buildings would need to be fire rated. The link itself will also require a 45 minute fire rating regardless of distance and fire rated doors would be required at each end of the link.

## **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 are constructed of 2" thick PVC panels, 38" high, supported by stainless steel posts and wall straps. Pen gates are to be 1  $\frac{3}{4}$ " thick PVC panels with stainless steel bullnose hinge. All gates are 8' long hinged each end.

### **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 at each end of the animal rooms and in the load out area, including quick connect camlock coupler for attachment of wash down fire hose.

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

¾" supply lines with ¼" hose drops to double 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.

Separate spray mister lines for animal cooling 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 centered in each room and the load-out area 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) including:

Double Sided Stainless Steel Wet/Dry Feeders

PVC Tube with Flex Auger

¾ HP Feed Motors (2 per room)

22.64 tonne feed bins with unloaders, 1 feed bin provided per room

Control units, time clock, and proximity sensors

All related hardware and mounting materials

## **Lift Station**

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.

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.

Animal equipment installation is based on hours spent on a recently constructed 2,000 Head finisher barn at current hourly labour rates.

## **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 baseboard heaters, 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 barn.

## **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 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 \$119,900 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 2,000 head finisher barn including all services, materials, equipment, labour, site development works and contingency is \$2,183,787.00. This total cost translates into \$117.06 per square foot or \$1,092/per pig place. Separating out site development, earth works, utilities and contingency the nominal construction cost of the facility is \$92.42 per square foot for \$862 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 2,000 head finisher barn including all services, materials, equipment, labour, site development works and contingency is \$2,225,354.00. This total cost translates into \$119.28 per square foot or \$1,113/per pig place. Separating out site development, earth works, utilities and contingency the nominal construction cost of the facility is \$94.52 per square foot for \$882 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:

Upgrade interior wall and ceiling cladding from painted OSB to interlocking PVC liner panels:  
**\$75,000.00**

Add odour control cover to Earthen Manure Storage:  
**\$119,900**

Add 45,000 Gallon Fire Fighting water storage pond and Hydrant:  
**\$20,300.00**

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		
DOOR NUMBER CALLOUT		
WINDOW NUMBER CALLOUT		
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
Arch-Bldg	
B1	MAIN FLOOR PLAN
B2	BUILDING SECTIONS
B3	WALL SECTIONS

FEEDER BARN .

CLIENT

MANITOBA PORK COUNCIL

ISSUED FOR REVIEW

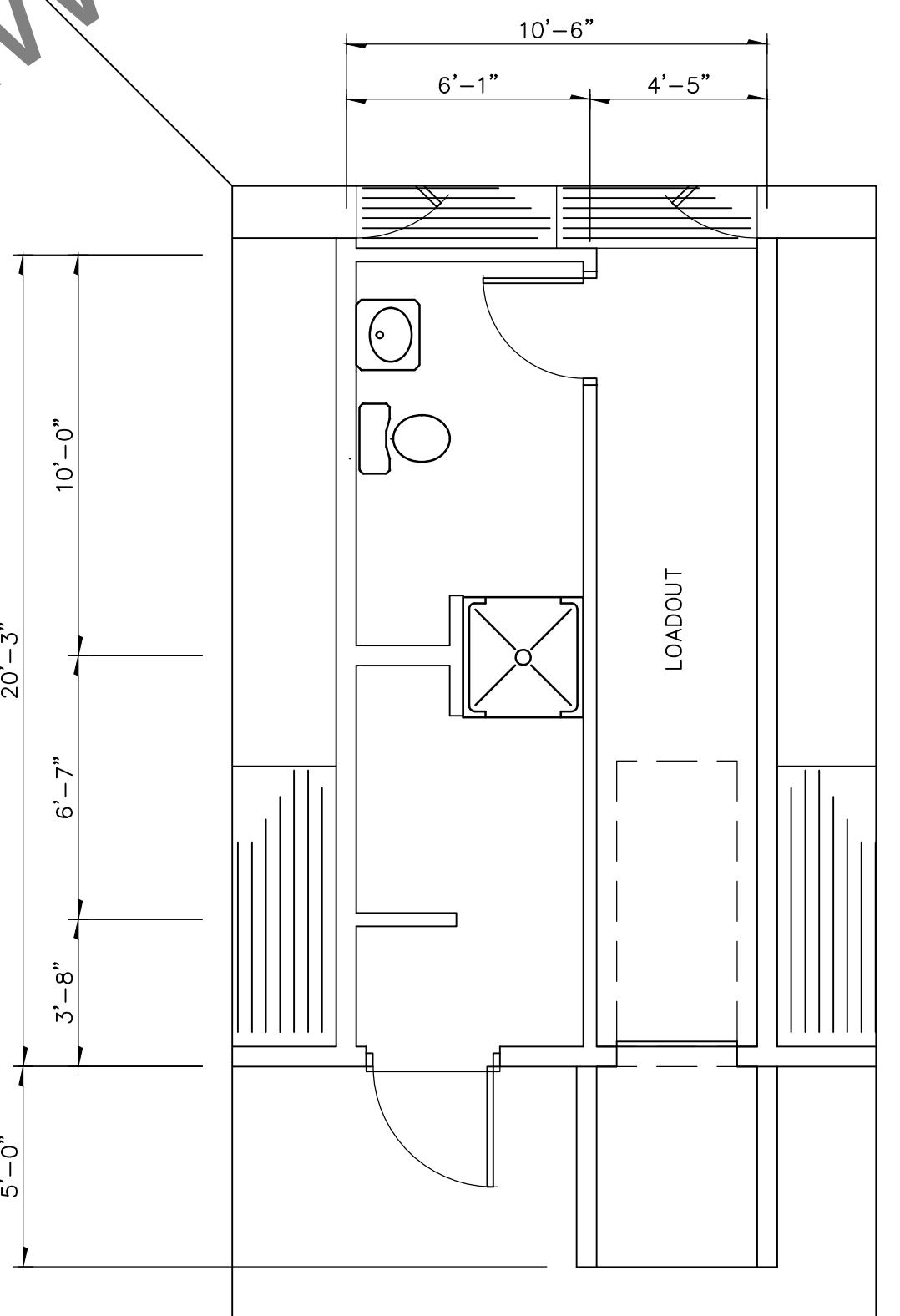
ISSUED FOR REVIEW, DRAWINGS NOT FOR CONSTRUCTION

**Architectural Floor Plan Details:**

- Overall Width:** 212'-0"
- Pen Dimensions:** 100'-9" [12 PENS @ 8'-4"]
- Pen Flooring:** PEN FLOORING. REFER TO STRUCTURAL DRAWINGS FOR PIT/ALLEY WIDTH DIMENSIONS.
- Animal Room:** ANIMAL ROOM PENNING TYP.
- Finisher Rooms:** FINISHER ROOM #1, FINISHER ROOM #2, FINISHER ROOM #3, FINISHER ROOM #4.
- Alley Slope:** SLOPE CONC TO SLATS  $\frac{1}{2}$ " PER FOOT
- Step Details:** 1½" STEP FROM ALLEY TO PEN FLOOR, 1½" STEP FROM PEN FLOOR TO SLATS
- Dimensions:** 12'-0", 10'-6", 12'-0", 20'-8", 20'-5", 88'-0", 20'-5", 20'-8", 44'-0", 2'-11", 2'-11", 21'-10½", 22'-1½".
- Notes:** NOT FOR CONSTRUCTION

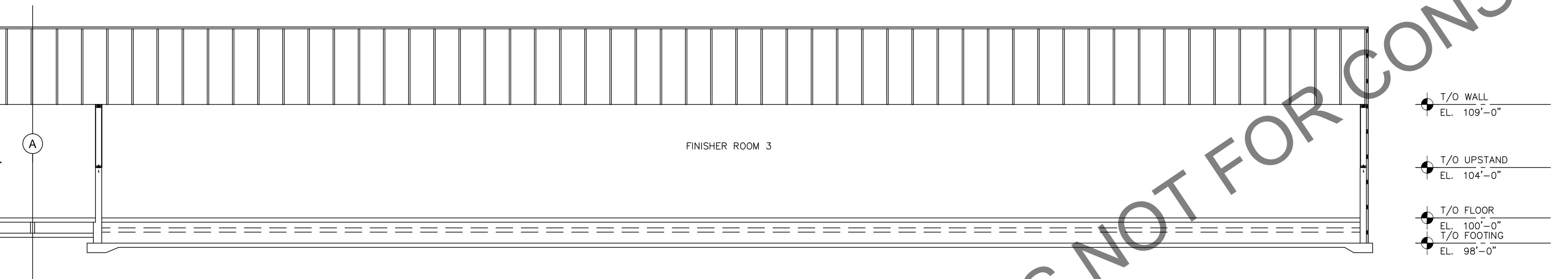
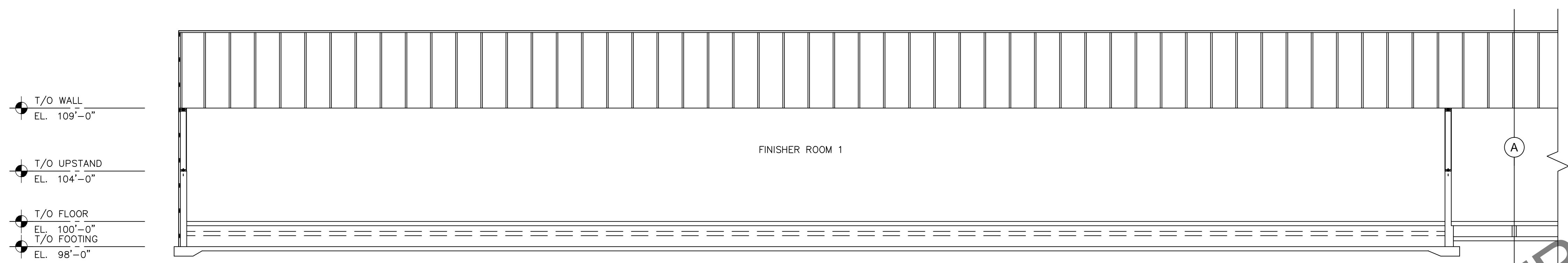
## MAIN FLOOR PLAN

SCALE: 3/32" = 1'-0"



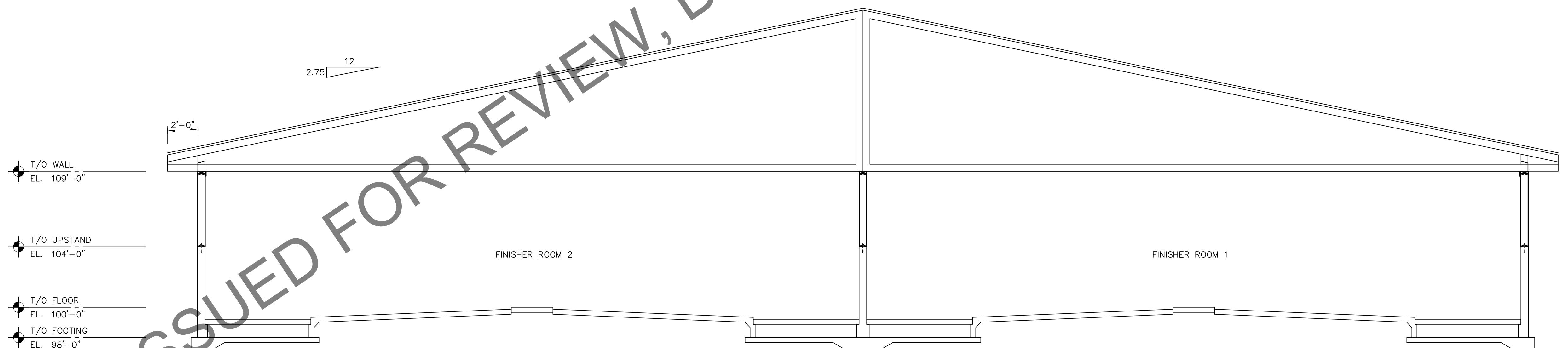
# OFFICE PLAN

SCALE: 1/4" = 1'-0"  
SHEET REF. B1



**BUILDING SECTION**

B2  
SCALE: 3/16" = 1'-0"  
SHEET REF. B1



**BUILDING SECTION**

B2  
SCALE: 1/4" = 1'-0"  
SHEET REF. B1

PROJECT TITLE	FEEDER BARN			MANITOBA PORK COUNCIL			ISSUED FOR REVIEW
LEGAL DESCRIPTION							
PROJECT NUMBER:	1306-004						
BUILDING SECTIONS	DESIGNED	DRAWN NB	COORDINATOR [H]	XREF PATH(S)			
	DATE	SCALE AS NOTED					
	JUNE / 2015						
INITIAL	01/00/00	ISSUED FOR CLIENT REVIEW	NO. DATE	DESCRIPTION	REVISION	ISSUE	
<b>PRELIMINARY DRAWING, DRAWINGS NOT FOR CONSTRUCTION</b>							
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TYPICAL ROOF:

- 29ga PREFINISHED STEEL  
[OVERLAP SHEETS 12" MIN.]
- 2x4 PURLINS @ 24" o/c  
UTILITY GRADE
- TRUSSES POSITIONED @ 24" o/c
- R30 FIBREGLASS INSULATION
- 6mil POLY VAPOUR BARRIER
- 3/8" PLYWOOD PAINTED
- NOTE: FRAMING ANCHORS REQUIRED AT  
ALL TRUSS TO WALL CONNECTIONS  
AND BEARING LOCATIONS.

EXTERIOR WALL:

- 3/8" PLYWOOD PAINTED
- 6mil POLY VAPOUR BARRIER
- R20 FIBREGLASS INSULATION
- 2x6 STUDS @ 24" o/c
- VERT. BLOCKING BTWN GIRTS @ 16 ft o/c
- 2x4 GIRTS @ 24" o/c
- 29ga VERT. PREFINISHED METAL  
EXTERIOR [SITE MEASURE]

**EXTERIOR WALL:**

- 3/8" PLYWOOD PAINTED
- 6mil POLY VAPOUR BARRIER
- R20 FIBREGLASS INSULATION
- 2x6 STUDS @ 24" o/c
- VERT. BLOCKING BTWN GIRTS @ 16 ft o/c
- 2x4 GIRTS @ 24" o/c
- 29ga VERT. PREFINISHED METAL EXTERIOR [SITE MEASURE]

**FOUNDATION WALL:**

- 8" THKx24" CONCRETE BOTTOM
- 6" THKx48" CONCRETE TOP
- 1 1/2" STYROFOAM SM
- 2x4 GIRTS @ 24" o/c
- 1/2" P.T. PLYWOOD

**CONT. STRIP FOOTING**

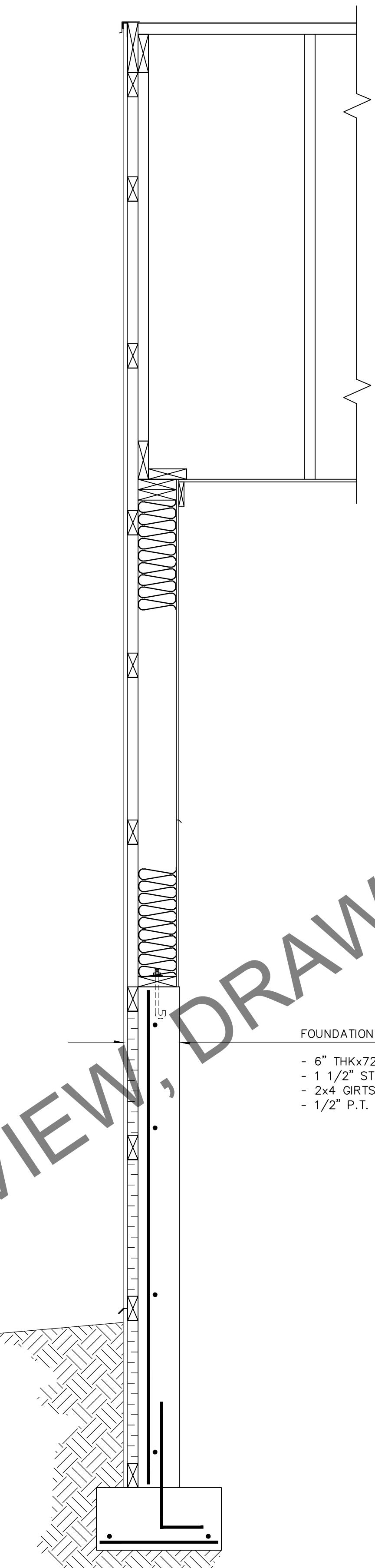
A large diagonal watermark reading "ISSUE FOR" is present across the bottom right of the diagram.

# TYPICAL SIDE WALL SECTION

WALL 3  
B3      SCALE: 1" = 1'-0"

# TYPICAL END WALL SECTION

B3 SCALE: 1" = 1'-0"



PROJECT NAME FEEDER BARN	CLIENT MANITOBA PORK COUNCIL	LEGAL DESCRIPTION WALL SECTIONS	PROJECT NUMBER: 1306-004		
			DESIGNED REV. <input type="checkbox"/> B3	DRAWN NB	COORDINATOR IH
			DATE JUNE / 2015	SCALE AS NOTED	XREF PATH(S) R00
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			NO. 01	DATE 00/00/00	INITIAL DESCRIPTION
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ENGINEER'S SIGNATURE					
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Manitoba Pork Council

Appendix B

**Typical Feeder Barn Budget in Manitoba**

**Sample Barn, 2000 Head Finisher, 18656 Square Feet**

Prepared by DGH Engineering Ltd.

01/10/2015 REVISED September 29, 2023

Item	Description	Unit	Quantity	Unit Price -	Unit Price -	Unit Price -	Sub-Total	Sub-Total	Sub-Total	Division Sub-	Division Sub-	Division Total	Cost/sq.
				Material	Labour	Equipment	Material	Labour & Equipment	Unit	Category	Total Materials	Labour & Equipment	ft.
	<b>Division 1 -General Requirements</b>										\$ 14,000.00	\$ 203,470.93	\$ 217,470.93
	<b>Professional Consultants</b>										\$ 60,200.00		
	Design, Engineering, and Construction Support	fee	1	\$ 41,300.00			\$ -	\$ 41,300.00	\$ 41,300.00				
	EMS Design & Certification	fee	1	\$ 18,900.00			\$ -	\$ 18,900.00	\$ 18,900.00				
	Surveying Fees												
1300	<b>Administrative Requirements</b>										\$ 136,970.93		
	Permits	fee	0.01		1,521,899.17		\$ -	\$ 15,218.99	\$ 15,218.99				\$ .734
	Insurance	fee	0.03		1,521,899.17		\$ -	\$ 45,656.98	\$ 45,656.98				
	Overhead/Administration	allow	0.05		1,521,899.17		\$ -	\$ 76,094.96	\$ 76,094.96				
1400	<b>Quality Requirements</b>	allow	1	\$ 2,500.00			\$ -	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00			\$ .013
1500	<b>Temporary Facilities &amp; Controls</b>										\$ 14,000.00		
	Miscellaneous Hardware & tools/Office Supplies/First Aid	allow	1	\$ 5,700.00				\$ 5,700.00	\$ -	\$ 5,700.00			\$ .75
	Equipment Rental	allow	1	\$ 8,300.00				\$ 8,300.00	\$ -	\$ 8,300.00			
1700	<b>Execution Requirements</b>	allow	1	\$ 3,800.00			\$ -	\$ 3,800.00	\$ 3,800.00	\$ 3,800.00			\$ .20
	<b>Division 3 - Concrete</b>										\$ 196,024.34	\$ 116,216.18	\$ 312,240.52
3101	<b>Concrete Formwork</b>										\$ 129,363.93		
	<b>Forms &amp; Rebar in Place</b>												\$ 6.93
	Footings (9"x18") (1.5SFCA/lin ft)	lin ft	988	\$ 1.71	\$ 3.88	\$ -	\$ 1,689.48	\$ 3,832.45	\$ 5,521.93				
	6' Grade Beam w/Slat Provision One Side	lin ft	482	\$ 9.86	\$ 24.93		\$ 4,754.45	\$ 12,016.26	\$ 16,770.71				
	6' Grade Beam w/Slat Provision Both Sides	lin ft	202	\$ 9.86	\$ 24.93		\$ 1,992.53	\$ 5,035.86	\$ 7,028.39				
	6' Grade Beam	lin ft	304	\$ 8.42	\$ 19.44		\$ 2,560.90	\$ 5,909.76	\$ 8,470.66				
	Pit Walls (2' x 4") (4SFCA/lin ft)	lin ft	854	\$ 2.59	\$ 14.58	\$ -	\$ 2,213.57	\$ 12,451.32	\$ 14,664.89				
	Pit Floors (6,943 sq ft)	sq ft	6943	\$ 0.44	\$ 2.21	\$ -	\$ 3,074.36	\$ 15,371.80	\$ 18,446.16				
	Floor (12,215 sq ft)	sq ft	12215	\$ 0.44	\$ 2.71	\$ -	\$ 5,408.80	\$ 33,053.79	\$ 38,462.59				
	2' Concrete Curb b/t Office and Loadout	lin ft	16	\$ 2.59	\$ 14.58		\$ 41.47	\$ 233.28	\$ 274.75				
	Bin Pads (576 sq ft)	sq ft	576	\$ 0.82	\$ 6.15	\$ -	\$ 472.32	\$ 3,542.40	\$ 4,014.72				
	Aprons (96 sq ft)	sq ft	96	\$ 0.82	\$ 6.15	\$ -	\$ 78.72	\$ 590.40	\$ 669.12				
	<b>Pour Concrete</b>												
	Footings (9"x18")	cu yds	42	\$ -	\$ 21.50	\$ 5.90	\$ -	\$ 1,150.80	\$ 1,150.80				
	6' Grade Beam w/Slat Provision One Side	cu yds	60		\$ 32.50	\$ 8.85	\$ -	\$ 2,481.00	\$ 2,481.00				
	6' Grade Beam w/Slat Provision Both Sides	cu yds	28	\$ -	\$ 32.50	\$ 8.85	\$ -	\$ 1,157.80	\$ 1,157.80				
	6' Grade Beam	cu yds	34		\$ 32.50	\$ 8.85	\$ -	\$ 1,405.90	\$ 1,405.90				
	FIP Pit Walls (2' x 4")	cu yds	22	\$ -	\$ 17.95	\$ 4.93	\$ -	\$ 503.36	\$ 503.36				
	Pit Floors	cu yds	86	\$ -	\$ 25.00	\$ 6.80	\$ -	\$ 2,734.80	\$ 2,734.80				
	Floor	cu yds	151	\$ -	\$ 25.00	\$ 6.80	\$ -	\$ 4,801.80	\$ 4,801.80				
	Office Curbs	cu yds	1	\$ -	\$ 32.50	\$ 8.85	\$ -	\$ 41.35	\$ 41.35				
	Bin Pads	cu yds	22	\$ -	\$ 25.00	\$ 6.80	\$ -	\$ 699.60	\$ 699.60				
	Aprons	cu yds	2	\$ -	\$ 25.00	\$ 6.80	\$ -	\$ 63.60	\$ 63.60				
3200	<b>Concrete Reinforcement</b>										\$ 21,816.12		
	Footings												\$ 1.17
	15M Rebar	ea	102	\$ 14.65			\$ 1,494.30	\$ -	\$ 1,494.30				
	10M Dowels	ea	414	\$ 2.63			\$ 1,088.82	\$ -	\$ 1,088.82				
	10M Rebar	ea	46	\$ 7.40			\$ 340.40	\$ -	\$ 340.40				
	Grade Beams												

15M Rebar	ea	308	\$ 14.65			\$ 4,512.20	\$ -	\$ 4,512.20					
10M Rebar	ea	185	\$ 7.40			\$ 1,369.00	\$ -	\$ 1,369.00					
10M Dowel	ea	553	\$ 1.82			\$ 1,006.46	\$ -	\$ 1,006.46					
Pit Walls													
10M Rebar	ea	105	\$ 7.40			\$ 777.00	\$ -	\$ 777.00					
Pit Floors													
10M Rebar	ea	476	\$ 7.40			\$ 3,519.69	\$ -	\$ 3,519.69					
Floor													
10M Rebar	ea	776	\$ 7.40			\$ 5,744.85	\$ -	\$ 5,744.85					
Office Curbs													
10M Rebar	ea	4	\$ 7.40			\$ 29.60	\$ -	\$ 29.60					
Bin Pads & Aprons													
15M Rebar	ea	132	\$ 14.65			\$ 1,933.80	\$ -	\$ 1,933.80					
<b>3310 Basic Concrete Materials</b>									<b>\$ 104,305.97</b>				<b>\$ 5.59</b>
Footings (9"x18") (0.0417yds/lin ft)	cu yds	47	\$ 202.88			\$ 6.15	\$ 9,535.36	\$ 289.05	\$ 9,824.41				
6' Grade Beam w/Slat Provision One Side	cu yds	66	\$ 202.88			\$ 6.15	\$ 13,390.08	\$ 405.90	\$ 13,795.98				
6' Grade Beam w/Slat Provision Both Sides	cu yds	31	\$ 202.88			\$ 6.15	\$ 6,289.28	\$ 190.65	\$ 6,479.93				
6' Grade Beam	cu yds	38	\$ 202.88			\$ 6.15	\$ 7,709.44	\$ 233.70	<b>\$ 7,943.14</b>				
Pit Walls (2' x 4")	cu yds	25	\$ 202.88			\$ 6.15	\$ 5,072.00	\$ 153.75	\$ 5,225.75				
Pit Floors	cu yds	95	\$ 202.88			\$ 6.15	\$ 19,273.60	\$ 584.25	\$ 19,857.85				
Floor	cu yds	167	\$ 202.88			\$ 6.15	\$ 33,880.96	\$ 1,027.05	\$ 34,908.01				
Office Curbs	cu yds	2	\$ 202.88			\$ 6.15	\$ 405.76	\$ 12.30	<b>\$ 418.06</b>				
Bin Pads	cu yds	25	\$ 202.88			\$ 6.15	\$ 5,072.00	\$ 153.75	\$ 5,225.75				
Aprons	cu yds	3	\$ 202.88			\$ 6.15	\$ 608.64	\$ 18.45	\$ 627.09				
<b>3480 Precast Concrete Specialties (Slats)</b>									<b>\$ 56,754.50</b>				<b>\$ 3.04</b>
Slats	sq ft	6070	\$ 8.35				\$ 50,684.50	\$ -	\$ 50,684.50				
Install Slats	sq ft	6070		\$ 0.64	\$ 0.36	\$ -	\$ 6,070.00	\$ 6,070.00					
<b>Division 5 - Structural Steel</b>									<b>\$ 1,413.35</b>	<b>\$ 843.15</b>	<b>\$ 2,256.50</b>	<b>\$ 0.12</b>	
<b>5100 Structural Steel Columns and Beams</b>									<b>\$ 1,006.50</b>				
C9x15	lin ft	11	\$ 14.85	\$ 70.05	\$ 6.60	\$ 163.35	\$ 843.15	\$ 1,006.50					
<b>5500 Metal Fabrications</b>									<b>\$ 1,250.00</b>				
Misc Fabrications	allow	1	\$ 1,250.00			\$ 1,250.00	\$ -	\$ 1,250.00					
<b>Division 6 - Wood &amp; Plastics</b>									<b>\$ 145,059.55</b>	<b>\$ 95,980.73</b>	<b>\$ 241,040.28</b>	<b>\$ 12.92</b>	
<b>6090 Fasteners</b>									<b>\$ 7,295.84</b>				
1/2" Anchor Bolts w Nut and Washer	ea	256	\$ 1.71			\$ 437.76	\$ -	\$ 437.76					
Edge Purlin Splice (T&B) 20ga 4"x20" Steel Strap	ea	104	\$ 9.35			\$ 972.40	\$ -	\$ 972.40					
Simpson Strong Tie	ea	212	\$ 0.64			\$ 135.68	\$ -	\$ 135.68					
Allowance Nails & Screws	allow	1	\$ 5,750.00			\$ 5,750.00	\$ -	\$ 5,750.00					
<b>6110 Structural Wood Framing</b>									<b>\$ 82,781.20</b>				<b>\$ 4.44</b>
2x6 Stud Wall @ 24" o/c 9' ht (Incl 2xT.P. & PT B.P.)	lin ft	24	\$ 9.06	\$ 6.80		\$ 217.44	\$ 163.20	\$ 380.64					
2x6 Stud Wall @ 24" o/c 6' ht (Incl 2xT.P. & PT B.P.)	lin ft	997	\$ 6.99	\$ 6.80		\$ 6,969.03	\$ 6,779.60	\$ 13,748.63					
2x4 Stud Wall @ 16" o/c 9' ht (Incl 2xT.P. & PT B.P.)	lin ft	6	\$ 5.96	\$ 6.25		\$ 35.76	\$ 37.50	\$ 73.26					
2x4 Girts @ 24"	BF	2100	\$ 1.01	\$ 1.33		\$ 2,121.00	\$ 2,797.20	\$ 4,918.20					
2x4 PT Girts, to Concrete	BF	806	\$ 1.82	\$ 1.62		\$ 1,466.92	\$ 1,305.72	\$ 2,772.64					
2x6 Columns	BF	596	\$ 1.04	\$ 0.85		\$ 619.84	\$ 504.22	\$ 1,124.06					
2x6 Header	BF	287	\$ 1.04	\$ 2.34		\$ 298.48	\$ 671.58	\$ 970.06					
2 ply 2x8 Lintel	BF	104	\$ 1.04	\$ 1.87		\$ 108.16	\$ 194.69	\$ 302.85					
2 ply 2x10 Lintel	BF	300	\$ 1.21	\$ 1.60		\$ 363.00	\$ 480.60	\$ 843.60					
2 ply 2x12 Lintel	BF	44	\$ 1.90	\$ 1.42		\$ 83.60	\$ 62.57	\$ 146.17					
2x4 Purlins (incl'd Valleys)	BF	6500	\$ 1.16	\$ 1.33		\$ 7,540.00	\$ 8,658.00	\$ 16,198.00					
2x4 Lateral Bracing	BF	2102	\$ 1.01	\$ 1.33		\$ 2,123.02	\$ 2,799.86	\$ 4,922.88					
2x4 Vertical Sway Bracing	BF	476	\$ 1.01	\$ 1.33		\$ 480.76	\$ 634.03	\$ 1,114.79					
2x4 Anchor Bracing	BF	192	\$ 1.01	\$ 1.33		\$ 193.92	\$ 255.74	\$ 449.66					
2x6 Blocking under Splice Plates	BF	416	\$ 1.04	\$ 1.83		\$ 432.64	\$ 761.28	\$ 1,193.92					
1x4 Web Nailer	BF	142	\$ 1.22	\$ 2.82		\$ 173.24	\$ 400.01	\$ 573.25					
2x4 Ceiling Strapping	BF	6354	\$ 1.01	\$ 1.44		\$ 6,417.54	\$ 9,149.76	\$ 15,567.30					
2x6 Purlins	BF	848	\$ 1.04	\$ 0.95		\$ 881.92	\$ 801.36	\$ 1,683.28					

2x6 Heels	BF	848	\$ 1.04	\$ 1.69		\$ 881.92	\$ 1,434.82	\$ 2,316.74					
1x4 Soffit Nailer	BF	429	\$ 1.22	\$ 2.81		\$ 523.38	\$ 1,204.63	\$ 1,728.01					
1x4 Painted Trim Board	BF	396	\$ 1.22	\$ 2.00		\$ 483.12	\$ 792.00	\$ 1,275.12					
Soffit Doors, 8'	ea	52	\$ 66.06	\$ 30.00		\$ 3,435.12	\$ 1,560.00	\$ 4,995.12					
2x6 P.T. rough bucks for doors/windows	BF	120	\$ 1.82	\$ 1.95		\$ 218.40	\$ 234.00	\$ 452.40					
2x4 P.T. sill plate for doors/windows	BF	80	\$ 1.82	\$ 1.95		\$ 145.60	\$ 156.00	\$ 301.60					
Interior Galv. Drip Flashing	lin ft	1355	\$ 1.10	\$ 1.17		\$ 1,490.50	\$ 1,585.35	\$ 3,075.85					
2x2 Recirc duct	BF	533	\$ 1.22	\$ 1.88		\$ 650.60	\$ 1,002.57	\$ 1,653.17					
<b>6160 Sheathing</b>									<b>\$ 44,344.20</b>				<b>\$ 2.38</b>
1/2" P.T. Plywood Sheathing	sq ft	1200	\$ 2.06	\$ 0.83		\$ 2,472.00	\$ 996.00	\$ 3,468.00					
3/8" OSB Sheathing Recirc duct	sq ft	1212	\$ 0.56	\$ 0.69		\$ 678.72	\$ 836.28	\$ 1,515.00					
3/8" OSB for Attic Smoke Stops	sq ft	3864	\$ 0.56	\$ 0.63		\$ 2,163.84	\$ 2,434.32	\$ 4,598.16					
3/8" OSB to Wall, P.N.	sq ft	8328	\$ 0.56	\$ 0.63		\$ 4,663.68	\$ 5,246.64	\$ 9,910.32					
3/8" OSB to Gables, P.N.	sq ft	1288	\$ 0.56	\$ 0.63		\$ 721.28	\$ 811.44	\$ 1,532.72					
3/8" OSB to Ceiling, P.N.	sq ft	18656	\$ 0.56	\$ 0.69		\$ 10,447.36	\$ 12,872.64	\$ 23,320.00					
<b>6170 Pre-Fabricated Structural Wood</b>									<b>\$ 106,619.04</b>				<b>\$ 5.72</b>
Pre-Fabricated Trusses w/ 2' Overhang	sq ft	18656	\$ 4.20	\$ 0.80	\$ 0.72	\$ 78,261.92	\$ 28,357.12	\$ 106,619.04					
<b>Division 7 - Thermal &amp; Moisture Protection</b>													
<b>7210 Building Insulation</b>									<b>\$ 48,614.57</b>				<b>\$ 2.61</b>
R40 blow in Insulation	sq ft	18656	\$ 0.82	\$ 0.64	\$ 0.34	\$ 15,297.92	\$ 18,282.88	\$ 33,580.80					
Insulation Stops	ea	214	\$ 3.94	\$ 1.50		\$ 843.59	\$ 321.00	\$ 1,164.59					
Perimeter Ins., 1 1/2" Polystyrene (R7.69) for Recirc duct detail	sq ft	808	\$ 1.37	\$ 0.64		\$ 1,106.96	\$ 517.12	\$ 1,624.08					
Perimeter Ins., 1 1/2" Polystyrene (R7.69) around perimeter of Loadout	sq ft	30	\$ 1.37	\$ 0.64		\$ 41.10	\$ 19.20	\$ 60.30					
Perimeter Ins., 1 1/2" Polystyrene (R7.69) around perimeter conc wall	sq ft	3600	\$ 1.37	\$ 0.64		\$ 4,932.00	\$ 2,304.00	\$ 7,236.00					
6"x23" Fibreglass Batts Unfaced (R20)	sq ft	3660	\$ 0.93	\$ 0.35		\$ 3,403.80	\$ 1,281.00	\$ 4,684.80					
<b>7260 Vapour Retarders</b>									<b>\$ 9,663.00</b>				<b>\$ 0.52</b>
Urethane Sill Gasket	lin ft	600	\$ 0.24	\$ 0.20		\$ 144.00	\$ 120.00	\$ 264.00					
6mil Poly Vapour Barrier	C. sq ft	482	\$ 6.85	\$ 12.65		\$ 3,301.70	\$ 6,097.30	\$ 9,399.00					
<b>7400 Roofing &amp; Siding Panels</b>									<b>\$ 99,333.03</b>				<b>\$ 5.32</b>
10' Wall Metal Cladding	lin ft	2090	\$ 4.38	\$ 4.58		\$ 9,154.20	\$ 9,572.20	\$ 18,726.40					
24' Roof Metal Cladding	lin ft	3408	\$ 4.38	\$ 3.49		\$ 14,927.04	\$ 11,893.92	\$ 26,820.96					
26' Roof Metal Cladding	lin ft	3692	\$ 4.38	\$ 3.49		\$ 16,170.96	\$ 12,885.08	\$ 29,056.04					
12' Wall Gable Metal Cladding	lin ft	768	\$ 4.38	\$ 4.58		\$ 3,363.84	\$ 3,517.44	\$ 6,881.28					
2' Fascia	lin ft	290	\$ 4.90	\$ 4.58		\$ 1,421.00	\$ 1,328.20	\$ 2,749.20					
2' Soffit	sq ft	850	\$ 1.05	\$ 2.90		\$ 892.50	\$ 2,464.15	\$ 3,356.65					
J Trim	lin ft	1500	\$ 1.26	\$ -		\$ 1,890.00	\$ -	\$ 1,890.00					
Rake Flashing	lin ft	430	\$ 1.94	\$ -		\$ 834.20	\$ -	\$ 834.20					
Divider Flashing	lin ft	190	\$ 1.26	\$ -		\$ 239.40	\$ -	\$ 239.40					
Base Drip Flashing	lin ft	610	\$ 1.26	\$ -		\$ 768.60	\$ -	\$ 768.60					
Outside Corner	lin ft	40	\$ 3.20	\$ -		\$ 128.00	\$ -	\$ 128.00					
Fascia	lin ft	430	\$ 1.84	\$ -		\$ 791.20	\$ -	\$ 791.20					
Gable Flashing	lin ft	190	\$ 2.99	\$ -		\$ 568.10	\$ -	\$ 568.10					
Ridge Cap	lin ft	220	\$ 3.15	\$ -		\$ 693.00	\$ -	\$ 693.00					
#10 x 1 1/2" Pre-painted Screws w/neoprene washer	ea	27400	\$ 0.13			\$ 3,562.00	\$ -	\$ 3,562.00					
#12 x 5/8" Pre-painted Stitch Screw w/neoprene washer	ea	12600	\$ 0.18			\$ 2,268.00	\$ -	\$ 2,268.00					
<b>7900 Joint Sealers</b>									<b>\$ 1,887.27</b>				<b>\$ 0.10</b>
Accoustical Sealant, 3/4" dia	c. lin ft	21	\$ 14.87	\$ 75.00		\$ 312.27	\$ 1,575.00	\$ 1,887.27					
<b>Division 8 - Doors &amp; Windows</b>													
<b>8100 Steel Doors &amp; Frame</b>									<b>\$ 6,790.00</b>				<b>\$ 1.53</b>
Steel Door, insulated, 18 ga, 3'0" x 6'8" with Frame	ea	7	\$ 615.00	\$ 62.50		\$ 4,305.00	\$ 437.50	\$ 4,742.50					
Steel KD Frame, 16 ga, single	ea	7	\$ 234.00	\$ 58.50		\$ 1,638.00	\$ 409.50	\$ 2,047.50					
<b>8200 Wood &amp; Plastic Doors</b>									<b>\$ 2,468.85</b>				<b>\$ 0.13</b>
Site Built Wood Door 3'0" x 6'8"	ea	5	\$ 225.00	\$ 135.00		\$ 1,125.00	\$ 675.00	\$ 1,800.00					
Wood Frame, 5/4x4 9/16" deep	lin ft	65	\$ 8.10	\$ 2.19		\$ 526.50	\$ 142.35	\$ 668.85					
<b>8300 Specialty Doors</b>									<b>\$ 1,995.00</b>				<b>\$ 0.11</b>
3'x7' Overhead Door, 24 ga. Steel, chain hoist operated	ea	1	\$ 1,525.00	\$ 470.00		\$ 1,525.00	\$ 470.00	\$ 1,995.00					
<b>8700 Door Hardware</b>									<b>\$ 17,356.15</b>				<b>\$ 0.93</b>

Door Closer	ea	7	\$ 247.00	\$ 78.00		\$ 1,729.00	\$ 546.00	\$ 2,275.00						
Door Check Chain	ea	7	\$ 3.50	\$ 2.50		\$ 24.50	\$ 17.50	\$ 42.00						
Panic Bar w/Outside Key & Pull	ea	7	\$ 1,675.00	\$ 175.50		\$ 11,725.00	\$ 1,228.50	\$ 12,953.50						
Alum. Thresholds	ea	7	\$ 43.05	\$ 29.25		\$ 301.35	\$ 204.75	\$ 506.10						
Weatherstripping	ea	7	\$ 37.50	\$ 156.00		\$ 262.50	\$ 1,092.00	\$ 1,354.50						
Vinyl Door Sweeps	ea	7	\$ 13.40	\$ 18.75		\$ 93.80	\$ 131.25	\$ 225.05						
<b>Division 9 - Finishes</b>												\$ 6,513.60	\$ 21,775.54	\$ 28,289.14
<b>9100 Metal Support Assemblies</b>														\$ 0.01
5/16" T-Bar Support System, 2'x4' grid	sq ft	120	\$ 1.37	\$ 0.59		\$ 164.40	\$ 70.80	\$ 235.20						\$ 0.05
<b>9250 Gypsum Board</b>														
5/8" FR Drywall	sq ft	470	\$ 0.97			\$ 455.90	\$ -	\$ 455.90						
Boarding, Wall	sq ft	348	\$ -	\$ 0.47		\$ -	\$ 163.56	\$ 163.56						
Boarding, Ceilings	sq ft	122	\$ -	\$ 0.52		\$ -	\$ 63.44	\$ 63.44						
Tape & Finish, Walls	sq ft	348	\$ -	\$ 0.50		\$ -	\$ 174.00	\$ 174.00						
Tape & Finish, Ceilings	sq ft	122	\$ -	\$ 0.73		\$ -	\$ 89.06	\$ 89.06						
<b>9500 Ceiling</b>														\$ 0.02
5/8" Mineral Fibre Tiles	sq ft	120	\$ 2.69	\$ 0.75		\$ 322.80	\$ 90.00	\$ 412.80						
<b>9910 Painting</b>														\$ 1.43
Paint walls & ceilings	sq ft	27334	\$ -	\$ 0.76		\$ -	\$ 20,842.18	\$ 20,842.18						
Paint Doors	ea	5	\$ 20.50	\$ 56.50		\$ 102.50	\$ 282.50	\$ 385.00						
Oil Primer	5 gal	10	\$ 102.00	\$ -		\$ 1,020.00	\$ -	\$ 1,020.00						
Latex Paint	5 gal	32	\$ 139.00	\$ -		\$ 4,448.00	\$ -	\$ 4,448.00						
<b>Division 10 - Specialties</b>												\$ 729.00	\$ 93.90	\$ 822.90
<b>10520 Fire Protection Specialties</b>														\$ 0.04
All Purpose 9 1/2lbs Extinguisher	ea	6	\$ 121.50			\$ 729.00	\$ -	\$ 729.00						
Mount Extinguishers	ea	6		\$ 15.65		\$ -	\$ 93.90	\$ 93.90						
<b>Division 11 - Building Equipment</b>												\$ 422,064.68	\$ 76,362.76	\$ 498,427.44
<b>11800 Barn Equipment</b>														\$ 22.62
<b>Penning</b>				\$ -										
PVC Plank 1.75"x20'	ea	50	\$ 346.78											
PVC Plank 2" x 38" x 20"	ea	93	\$ 447.34											
PVC Bullnose, 1.75"x32"	ea	208	\$ 10.86											
PVC Droprod 3/4"x20"	ea	35	\$ 40.45											
1/4" SS Bolt/Washers/Lock Nuts	ea	3000	\$ 0.73											
SS 6 Loop U-channel Post 38" w/Plate	ea	95	\$ 87.37											
SS 3 Loop U-channel Post 38" w/Plate	ea	2	\$ 89.79											
SS double U-Channel Post 38" w/Plate	ea	40	\$ 114.88											
SS U-Channel Post 38" w/Plate (Feeders)	ea	96	\$ 71.19											
SS Wall U-Channel Post, 38"	ea	97	\$ 63.75											
SS 3-Loop Wall Bracket	ea	16	\$ 57.44											
3/8" SS Lag Bolts	ea	50	\$ 2.18											
3/8" x3" SS Anchor bolts w/nuts and washer	ea	950	\$ 1.85											
SS T-Bolt w/nuts and washers	ea	450	\$ 7.46											
<b>Animal HVAC</b>														
Exhaust Fan - Better Air LPF-2400	ea	13	\$ 893.70											
Exhaust Fan - Better Air LPF-3800	ea	12	\$ 1,334.70											
Recirc Fan Better Air LCF 2400	ea	8	\$ 675.90											
TR36WC3 Winter Closure	ea	12	\$ 106.20											
Hood 24"	ea	13	\$ 90.90											
TR24BD Backdraft Damper	ea	13	\$ 157.50											
White Silicone	ea	25	\$ 5.64											
#10 x 1 1/2" SS Screws	ea	300	\$ 0.18											
Air Inlet - Better Air SF2000	ea	156	\$ 130.05											
Air inlet actuator	ea	5	\$ 535.50											
SS cable	lin. Ft.	1050	\$ 1.17											
Galv. Cable Clamp	ea	50	\$ 3.15											
Azuma nuts	ea	160	\$ 2.30											

Air inlet counterweight	ea	9	\$ 34.62				\$ 311.57					
Hanging pulley	ea	9	\$ 13.50				\$ 121.50					
Flush mount pulley	ea	25	\$ 10.80				\$ 270.00					
#10 x 1 1/2" SS Screws	ea	1250	\$ 0.20				\$ 250.00					
Hand Winch w/bracket and bolts	ea	5	\$ 112.50				\$ 562.50					
Space Heater 100BTU	ea	1	\$ 900.00				\$ 900.00					
Space Heater 250BTU	ea	5	\$ 1,687.50				\$ 8,437.50					
Environmental controller	ea	5	\$ 1,489.20				\$ 7,446.00					
Back-up thermostat	ea	5	\$ 99.00				\$ 495.00					
Manual fan control	ea	5	\$ 155.00				\$ 775.00					
Temperature Probe with Cable	ea	9	\$ 665.00				\$ 5,985.00					
Central environment control computer	ea	1	\$ 1,500.00				\$ 1,500.00					
Environment control software	ea	1	\$ 2,000.00				\$ 2,000.00					
<b>Watering System</b>												
Water Meter	ea	1	\$ 1,000.00				\$ 1,000.00					
1 1/2" camlock coupler FCCxHB	ea	10	\$ 15.27				\$ 152.69					
1 1/2" camlock coupler MCCxFNT	ea	10	\$ 3.62				\$ 36.18					
1 1/2" PVC sch40 end cap	ea	6	\$ 1.11				\$ 6.64					
1 1/2" PVC sch40 true union	ea	4	\$ 18.74				\$ 74.95					
1 1/2" PVC sch40 true union ball valve	ea	5	\$ 61.57				\$ 307.87					
1 1/2" PVC sch40 45 degree elbow	ea	10	\$ 2.46				\$ 24.57					
1 1/2" PVC sch40 90 degree elbow	ea	28	\$ 1.74				\$ 48.76					
1 1/2" PVC sch40 adapter SxMNT	ea	10	\$ 1.32				\$ 13.23					
1 1/2" PVC sch40 ball valve	ea	10	\$ 14.82				\$ 148.23					
1 1/2" PVC sch40 coupling SxS	ea	40	\$ 2.74				\$ 109.62					
1 1/2" PVC sch40 pipe (linear feet)	ea	750	\$ 3.94				\$ 2,956.50					
1 1/2" PVC sch40 tee	ea	15	\$ 2.34				\$ 35.03					
1 1/2" PVC standoff clamp	ea	200	\$ 5.21				\$ 1,042.20					
1 1/2" x 3/4" PVC sch40 tee	ea	9	\$ 3.81				\$ 34.26					
1 1/2"x3/4" PVC sch40 reducer SPGxFT	ea		\$ 2.21				\$ -					
1 1/2"x3/4" PVC sch40 reducer SxSPG	ea	0	\$ 1.27				\$ -					
1/4" braided hose (linear feet)	ea	500	\$ 0.54				\$ 270.00					
1/4" S.S. hose clamps	ea	250	\$ 0.49				\$ 123.60					
24v transformer for solenoid valve	ea	4	\$ 28.32				\$ 113.28					
3/4" PVC sch40 FT end cap	ea	18	\$ 1.03				\$ 18.47					
3/4" PVC sch40 45 degree elbow	ea		\$ 1.24				\$ -					
3/4" PVC sch40 90 degree elbow	ea	194	\$ 0.55				\$ 107.38					
3/4" PVC sch40 ball valve SxS	ea	64	\$ 4.85				\$ 310.18					
3/4" PVC sch40 coupling SxS	ea	75	\$ 0.47				\$ 35.44					
3/4" PVC sch40 pipe (linear feet)	ea	1450	\$ 1.59				\$ 2,309.85					
3/4" PVC sch40 SxMNT adapter	ea	26	\$ 0.51				\$ 13.34					
3/4" PVC sch40 tee	ea	130	\$ 0.68				\$ 87.75					
3/4" PVC sch40 true union	ea	13	\$ 5.49				\$ 71.43					
3/4" PVC sch40 true union ball valve	ea	4	\$ 39.69				\$ 158.76					
3/4" PVC standoff clamp	ea	300	\$ 2.67				\$ 801.90					
PVC glue	ea	6	\$ 22.77				\$ 136.65					
PVC primer	ea	6	\$ 15.01				\$ 90.07					
Reducing adapter, 1/2" MNT x 1/4" hose barb	ea	104	\$ 4.04				\$ 419.80					
Reducing adapter, 3/4" slip x 1/4" hose barb	ea	104	\$ 2.17				\$ 226.04					
Shrubbery nozzles, .2 GPM, 90 degree spray	ea	100	\$ 0.09				\$ 9.00					
Drip Irrigator, .5 GPH	ea	0	\$ 0.69				\$ -					
Solenoid valves	ea	4	\$ 40.55				\$ 162.20					
Fire hose (linear feet)	ea	150	\$ 3.81				\$ 571.05					
Spray Nozzle	ea	2	\$ 20.13				\$ 40.26					
36" Double Drinker w/Nipples	ea	104	\$ 60.41				\$ 6,282.90					
Teflon Tape	ea	24	\$ 1.50				\$ 35.96					
#8x3" SS Screws	ea	1000	\$ 0.28				\$ 280.00					

Medicator	ea	1	\$ 902.37				\$ 902.37					
5% allowance for extras & modifications	ea	0.05	\$ 1,304.12				\$ 65.21					
1/2" sch80 galv steel pipe (linear feet)	ea	250	\$ 5.45				\$ 1,362.50					
3/4" sch80 galv steel pipe (linear feet)	ea	50	\$ 6.60				\$ 330.00					
1/2" sch80 galv steel 90 degree elbow	ea	13	\$ 6.96				\$ 90.48					
1/2" sch80 galv steel tee	ea	5	\$ 15.90				\$ 79.50					
1/2" sch80 galv steel ball valves	ea	5	\$ 39.00				\$ 195.00					
3/4"x 1/2 "sch80 galv steel ball valves	ea	3	\$ 71.00				\$ 213.00					
1/2" sch80 galv steel coupling	ea	20	\$ 9.66				\$ 193.20					
1/2" sch80 galv steel union	ea	2	\$ 32.40				\$ 64.80					
1/2" aluminum long shank pipe hangers	ea	75	\$ 5.78				\$ 433.50					
3/4" sch80 galv steel 90 degree elbow	ea	8	\$ 8.40				\$ 67.20					
3/4" sch80 galv steel coupling	ea	5	\$ 11.34				\$ 56.70					
3/4" sch80 galv steel union	ea	2	\$ 37.80				\$ 75.60					
3/4" End Cap	ea	1	\$ 9.54				\$ 9.54					
Pressure washer drops	ea	5	\$ 75.00				\$ 375.00					
#10x3" SS Screws	ea	150	\$ 0.42				\$ 63.00					
Teflon Tape	ea	12	\$ 0.81				\$ 9.73					
10 HP Pressure Washer	ea	1	\$ 24,500.00				\$ 24,500.00					
<b>Feed System</b>												
Boot bin	ea	8	\$ 62.26				\$ 498.05					
Model 300 Bin Unloader	ea	8	\$ 466.07				\$ 3,728.59					
Model 300 PVC Tubing (10 ft Tube)	ea	96	\$ 32.71				\$ 3,139.95					
Model 300 Auger Flighting	lin ft	1000	\$ 4.24				\$ 4,240.35					
Model 300 Elbow	ea	8	\$ 27.48				\$ 219.87					
Tube Clamp	ea	16	\$ 4.98				\$ 79.70					
Flex Auger Tube Spacer Shim	ea	16	\$ 6.90				\$ 110.34					
Model 300 PVC Coupler	ea	100	\$ 6.25				\$ 624.51					
Model 300 Drop Kit	ea	48	\$ 17.52				\$ 840.97					
Model 300 Galvanized Hangers	ea	120	\$ 6.24				\$ 748.55					
3/4 HP Feed Motor	ea	8	\$ 647.07				\$ 5,176.58					
Model 300 Control Unit	ea	8	\$ 257.29				\$ 2,058.31					
Proximity Sensor	ea	8	\$ 174.11				\$ 1,392.88					
3 1/2" Plastic Drop Tubes (12' Length)	ea	24	\$ 31.27				\$ 750.58					
Wall Seal Plate and Gasket	ea	8	\$ 69.51				\$ 556.08					
PVC glue	ea	8	\$ 16.87				\$ 134.96					
PVC primer	ea	8	\$ 11.12				\$ 88.96					
3/16" Zinc Plated Chain	lin ft	400	\$ 1.31				\$ 524.00					
3/8" x 4 1/2" Eye Lag Screw	ea	16	\$ 4.59				\$ 73.44					
2" Plated S Hook	ea	32	\$ 0.69				\$ 22.08					
1/4" x 3 1/4" SS Screwhook	ea	180	\$ 3.50				\$ 630.00					
Feed System Time Clock	ea	1	\$ 514.56				\$ 514.56					
SS Feeders, Wet/Dry, 2 spc, 2 side	ea	48	\$ 523.60				\$ 25,132.80					
22.64 tonne Feed Bins	ea	4	\$ 8,270.84				\$ 33,083.37					
<b>Lift Station</b>												
5' x 36" Concrete Well Cribbing	ea	3	\$ 583.20				\$ 1,749.60					
5' Concrete Well Base	ea	1	\$ 704.70				\$ 704.70					
5' Concrete Top	ea	1	\$ 324.00				\$ 324.00					
ITT Flygt 10HP Submersible Pump w/controls, starter	ea	1	\$ 34,800.00				\$ 34,800.00					
3/16" SS Cable	lin ft	25	\$ 1.03				\$ 25.75					
3/16" SS Clamp	ea	4	\$ 9.24				\$ 36.96					
Discharge Elbow for 10HP Pump	ea	1	\$ 2,514.26				\$ 2,514.26					
Float w/6m cable	ea	3	\$ 292.03				\$ 876.09					
SS guide Rails	ea	2	\$ 537.04				\$ 1,074.08					
2000lb Winch on Stand	ea	1	\$ 1,950.00				\$ 1,950.00					
Bolts and Parts Allowance	ea	1	\$ 250.00				\$ 250.00					
Sewer Pipe			\$ -				\$ -					

10" Ultra-rib Pipe	lin ft	662	\$ 18.35				\$ 12,147.70					
10" U-R 45 degree Elbow	ea	18	\$ 613.24				\$ 11,038.32					
10"x8" U-R Wye	ea	3	\$ 768.30				\$ 2,304.90					
10"x8" U-R Tee	ea	20	\$ 426.30				\$ 8,526.00					
10" U-R Wye	ea	7	\$ 948.26				\$ 6,637.82					
8" U-R x 6" SDR35 Adapter	ea	8	\$ 305.31				\$ 2,442.48					
8" U-R x 4" PVC DWV	ea	2	\$ 412.78				\$ 825.56					
8" Ultra-rib pipe	lin ft	62	\$ 13.38				\$ 829.56					
8" Pit Plugs	ea	20	\$ 32.00				\$ 640.00					
6" SDR35 Pipe	lin ft	62	\$ 12.27				\$ 760.74					
6" SDR35 45 degree Elbow	ea	8	\$ 56.69				\$ 453.52					
6" SDR 35 Union	ea	8	\$ 75.95				\$ 607.60					
6" SDR35 90 degree Elbow	ea	16	\$ 70.91				\$ 1,134.56					
Misc			\$ -				\$ -					
Alarm System	ea	1	\$ 4,500.00				\$ 4,500.00					
Load-out Ramp	ea	1	\$ 2,240.00				\$ 2,240.00					
Stationary Weigh Scale	ea	1	\$ 1,717.36				\$ 1,717.36					
Load Cells, 500lbs	ea	4	\$ 65.00				\$ 260.00					
<b>11850 Equipment Installation</b>							<b>\$ 76,362.76</b>					<b>\$ 4.09</b>
Install Penning	lin ft	2664		\$ 7.78			\$ 20,715.26					
Install Exhaust & Recirculation Fans	ea	33		\$ 9.72			\$ 320.76					
Install Air Inlets	ea	156		\$ 9.72			\$ 1,516.32					
Install Inlet Actuators	ea	5	\$ -	\$ 9.72			\$ 48.60					
Install Heaters	ea	5		\$ 110.16			\$ 550.80					
Install Environmental Controls	ea	5		\$ 270.00			\$ 1,350.00					
Install Back-up Thermostats	ea	5		\$ 95.00			\$ 475.00					
Install Manual Fan Controls	ea	5		\$ 95.00			\$ 475.00					
Install Waterlines	lin ft	2200		\$ 4.08			\$ 8,981.28					
Install Drinkers	ea	104		\$ 19.44			\$ 2,021.76					
Install HPW Pipe	lin ft	300		\$ 6.29			\$ 1,885.68					
Install Pressure Washer	ea	1		\$ 760.00			\$ 760.00					
Install Feed Lines	lin ft	1000		\$ 6.80			\$ 6,804.00					
Install Feed Motors	ea	8		\$ 97.20			\$ 777.60					
Install Feeders	ea	48		\$ 32.40			\$ 1,555.20					
Install Feed Bins	ea	4		\$ 1,440.00			\$ 5,760.00					
Install Lift Station	ea	1		\$ 4,440.00			\$ 4,440.00					
Install Sewer Pipe	lin ft	786		\$ 16.75			\$ 13,165.50					
Install Alarms	ea	1		\$ 2,600.00			\$ 2,600.00					
Install Load-out Ramp	ea	1		\$ 960.00			\$ 960.00					
Install Scale	ea	1		\$ 1,200.00			\$ 1,200.00					
<b>Division 15 - Mechanical</b>							<b>\$ 16,422.25</b>	<b>\$ 13,405.87</b>	<b>\$ 29,828.12</b>	<b>\$ 1.60</b>		
<b>15200 Process Piping</b>							<b>\$ 11,607.18</b>					<b>\$ 0.62</b>
1" Gas Pipe	lin ft	350	\$ 9.70	\$ 10.90		\$ 3,395.00	\$ 3,815.00	\$ 7,210.00				
Gas Connection to Unit Heater	ea	6	\$ 140.76	\$ 532.02		\$ 844.56	\$ 3,192.12	\$ 4,036.68				
Gas Pipe Fittings	allow	5%	\$ 7,210.00			\$ 360.50	\$ -	\$ 360.50				
<b>15400 Plumbing Fixtures &amp; Equipment Including Supply, Waste and Vent Piping</b>							<b>\$ 7,037.60</b>					<b>\$ 0.38</b>
Water Closet, 2-piece, floor mount	ea	1	\$ 794.75	\$ 824.50		\$ 794.75	\$ 824.50	\$ 1,619.25				
Shower, 1 piece, Fibreglass	ea	1	\$ 1,105.00	\$ 871.25		\$ 1,105.00	\$ 871.25	\$ 1,976.25				
S.S. Sink, Single	ea	1	\$ 1,253.75	\$ 850.00		\$ 1,253.75	\$ 850.00	\$ 2,103.75				
Floor Drain	ea	2	\$ 433.50	\$ 86.50		\$ 867.00	\$ 173.00	\$ 1,040.00				
Rough In - Washer	ea	1	\$ 64.60	\$ 233.75		\$ 64.60	\$ 233.75	\$ 298.35				
<b>15500 Heat Generating Equipment</b>							<b>\$ 4,101.25</b>					<b>\$ 0.22</b>
Hot Water Heater	ea	1	\$ 2,741.25	\$ 1,360.00		\$ 2,741.25	\$ 1,360.00	\$ 4,101.25				
<b>15700 HVAC</b>							<b>\$ 7,082.09</b>					<b>\$ 0.38</b>
1000 Watt Baseboard	ea	2	\$ 54.00	\$ 80.50		\$ 108.00	\$ 161.00	\$ 269.00				
Exhaust Fan	ea	1	\$ 115.00	\$ 58.00		\$ 115.00	\$ 58.00	\$ 173.00				

6" diameter exhaust ducting	lin ft	22	\$ 5.20	\$ 3.61		\$ 114.40	\$ 79.42	\$ 193.82						
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	204	\$ 1.61	\$ 1.95		\$ 328.44	\$ 397.80	\$ 726.24						
Floor heat manifolds	ea	2	\$ 370.00	\$ 120.02		\$ 740.00	\$ 240.03	\$ 980.03						
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>\$ 140,386.40</b>	<b>\$ 91,251.16</b>	<b>\$ 49,135.24</b>	<b>\$ 140,386.40</b>	<b>\$ 7.53</b>	
<b>16200 Main Service &amp; Distribution</b>	<b>Flr Sq Ft</b>	<b>18656</b>	<b>\$ 4.89</b>	<b>\$ 2.63</b>		<b>\$ 91,251.16</b>	<b>\$ 49,135.24</b>	<b>\$ 140,386.40</b>						
<b>Division 31 Earthworks</b>									<b>\$ 138,812.78</b>	<b>\$ 199,408.13</b>	<b>\$ 338,220.91</b>	<b>\$ 18.13</b>		
<b>Barn Foundation</b>									<b>\$ 69,617.02</b>					<b>\$ 3.73</b>
Strip Top Soil	cu yds	980				\$ 4.96	\$ -	\$ 4,860.80	\$ 4,860.80					
Excavate Foundations	cu yds	2238				\$ 6.44	\$ -	\$ 14,413.92	\$ 14,413.92					
Place & Compact A Base	cu yds	814.2	\$ 28.00	\$ 22.68		\$ 22,797.60	\$ 18,466.06	\$ 41,263.66						
Trench Sewer Piping & Backfilling	lin ft	638		\$ 5.60	\$ 2.23	\$ -	\$ 4,995.54	\$ 4,995.54						
Sand Bedding for Sewer Pipe	lin ft	638	\$ 2.45			\$ 1,563.10	\$ -	\$ 1,563.10						
Backfill 3' and slope away from building	cu yds	100		\$ 25.20	\$ -	\$ -	\$ 2,520.00	\$ 2,520.00						
<b>Roads and Parking</b>									<b>\$ 96,144.64</b>					<b>\$ 5.15</b>
Allow for ring road around perimeter, 30' x48' parking pad,														
150' of driveway, 25' wide w/ditch														
Strip Top Soil	cu yds	890				\$ 4.96	\$ -	\$ 4,414.40	\$ 4,414.40					
Excavate/Backfill Road and Ditch	cu yds	1775				\$ 6.48	\$ -	\$ 11,502.00	\$ 11,502.00					
Geo-Grid Reinforcement Under Roads	sq ft	23940	\$ 0.29			\$ 0.16	\$ 6,846.84	\$ 3,830.40	\$ 10,677.24					
18" Gravel topping on roads	cu yds	1570	\$ 28.00	\$ 16.30		\$ 43,960.00	\$ 25,591.00	\$ 69,551.00						
<b>Earthen Manure Storage w/HDPE Liner</b>									<b>\$ 172,459.25</b>					<b>\$ 9.24</b>
Strip Top Soil	cu yds	3016				\$ 4.96	\$ -	\$ 14,959.36	\$ 14,959.36					
Excavate Cells and Backfill to Berms	cu yds	5524				\$ 6.48	\$ -	\$ 35,795.52	\$ 35,795.52					
High Density PolyEthylene Liner	sq ft	53681	\$ 1.02	\$ 0.44		\$ 54,486.22	\$ 23,351.24	\$ 77,837.45						
6" Pipe to lagoon	lin ft	75	\$ 12.27	\$ 21.53		\$ 920.25	\$ 1,614.38	\$ 2,534.63						
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	1388		\$ 16.10		\$ -	\$ 22,346.80	\$ 22,346.80						
<b>Concrete Spillway &amp; Ramp with Curb</b>														
Forming	sq ft	1208	\$ 0.82	\$ 7.65		\$ 990.56	\$ 9,241.20	\$ 10,231.76						
Pouring	cu yds	23	\$ -	\$ 25.00	\$ 8.04	\$ -	\$ 760.02	\$ 760.02						
Reinforcing	ea	184	\$ 7.40			\$ 1,361.60	\$ -	\$ 1,361.60						
Concrete Material	cu yds	25.3	\$ 202.88			\$ 5,132.86	\$ -	\$ 5,132.86						
<b>Division 33 Utilities</b>									<b>\$ 38,500.00</b>	<b>\$ -</b>	<b>\$ 38,500.00</b>	<b>\$ 2.06</b>		
<b>Utilities</b>									<b>\$ 38,500.00</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	\$ 18,500.00			\$ 18,500.00	\$ -	\$ 18,500.00						
<b>19000 Contingency (5%)</b>													<b>\$ 82,943.50</b>	<b>\$ 4.45</b>
<b>Sub-Total</b>									<b>\$ 1,231,442.38</b>	<b>\$ 887,092.12</b>	<b>\$ 2,118,534.51</b>	<b>\$ 113.56</b>		
PST 7%	Note: Some Elements are PST Exempt										<b>\$ 65,252.63</b>	<b>\$ 3.50</b>		
<b>Sub-Total Including PST</b>											<b>\$ 2,183,787.14</b>	<b>\$ 117.06</b>		
GST 5%											<b>\$ 105,926.73</b>	<b>\$ 5.68</b>		
<b>TOTAL</b>											<b>\$ 2,289,713.87</b>	<b>\$ 122.73</b>		

Sask Pork

Appendix C

**Typical Feeder Barn Budget in Saskatchewan**

**Sample Barn, 2000 Head Finisher, 18656 Square Feet**

Prepared by DGH Engineering Ltd.

01/10/2015 REVISED September 29, 2023

Item	Description	Unit	Quantity	Unit Price - Material	Unit Price - Labour	Unit Price - Equipment	Sub-Total Material	Sub-Total Labour & Equipment	Sub-Total Unit	Division Sub-Category	Division Sub-Total Materials	Division Sub-Total Labour & Equipment	Division Total	Cost/sq. ft.
	<b>Division 1 -General Requirements</b>										\$ 14,000.00	\$ 204,273.47	\$ 218,273.47	\$ 11.70
	<b>Professional Consultants</b>										\$ 60,200.00			
	Design, Engineering, and Construction Support	fee	1	\$ 41,300.00			\$ -	\$ 41,300.00	\$ 41,300.00					
	EMS Design & Certification	fee	1	\$ 18,900.00			\$ -	\$ 18,900.00	\$ 18,900.00					
	Surveying Fees													
1300	<b>Administrative Requirements</b>										\$ 137,773.47			\$ 7.38
	Permits	fee	0.01	\$ 1,530,816.30			\$ -	\$ 15,308.16	\$ 15,308.16					
	Insurance	fee	0.03	\$ 1,530,816.30			\$ -	\$ 45,924.49	\$ 45,924.49					
	Overhead/Administration	allow	0.05	\$ 1,530,816.30			\$ -	\$ 76,540.81	\$ 76,540.81					
1400	<b>Quality Requirements</b>	allow	1	\$ 2,500.00			\$ -	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00				\$ 0.13
1500	<b>Temporary Facilities &amp; Controls</b>										\$ 14,000.00			\$ 0.75
	Miscellaneous Hardware & tools/Office Supplies/First Aid	allow	1	\$ 5,700.00				\$ 5,700.00	\$ -	\$ 5,700.00				
	Equipment Rental	allow	1	\$ 8,300.00				\$ 8,300.00	\$ -	\$ 8,300.00				
1700	<b>Execution Requirements</b>	allow	1	\$ 3,800.00			\$ -	\$ 3,800.00	\$ 3,800.00	\$ 3,800.00				\$ 0.20
	<b>Division 3 - Concrete</b>										\$ 204,941.47	\$ 116,216.18	\$ 321,157.65	\$ 17.21
3101	<b>Concrete Formwork</b>										\$ 129,363.93			\$ 6.93
	<i>Forms &amp; Rebar in Place</i>													
	Footings (9"x18") (1.55FCA/in ft)	lin ft	988	\$ 1.71	\$ 3.88	\$ -	\$ 1,689.48	\$ 3,832.45	\$ 5,521.93					
	6' Grade Beam w/Slat Provision One Side	lin ft	482	\$ 9.86	\$ 24.93		\$ 4,754.45	\$ 12,016.26	\$ 16,770.71					
	6' Grade Beam w/Slat Provision Both Sides	lin ft	202	\$ 9.86	\$ 24.93		\$ 1,992.53	\$ 5,035.86	\$ 7,028.39					
	6' Grade Beam	lin ft	304	\$ 8.42	\$ 19.44		\$ 2,560.90	\$ 5,909.76	\$ 8,470.66					
	Pit Walls (2' x 4") (4SFCA/in ft)	lin ft	854	\$ 2.59	\$ 14.58	\$ -	\$ 2,213.57	\$ 12,451.32	\$ 14,664.89					
	Pit Floors (6,943 sq ft)	sq ft	6943	\$ 0.44	\$ 2.21	\$ -	\$ 3,074.36	\$ 15,371.80	\$ 18,446.16					
	Floor (12,215 sq ft)	sq ft	12215	\$ 0.44	\$ 2.71	\$ -	\$ 5,408.80	\$ 33,053.79	\$ 38,462.59					
	2' Concrete Curb b/t Office and Loadout	lin ft	16	\$ 2.59	\$ 14.58		\$ 41.47	\$ 233.28	\$ 274.75					
	Bin Pads (576 sq ft)	sq ft	576	\$ 0.82	\$ 6.15	\$ -	\$ 472.32	\$ 3,542.40	\$ 4,014.72					
	Aprons (96 sq ft)	sq ft	96	\$ 0.82	\$ 6.15	\$ -	\$ 78.72	\$ 590.40	\$ 669.12					
	<i>Pour Concrete</i>													
	Footings (9"x18")	cu yds	42	\$ -	\$ 21.50	\$ 5.90	\$ -	\$ 1,150.80	\$ 1,150.80					
	6' Grade Beam w/Slat Provision One Side	cu yds	60	\$ -	\$ 32.50	\$ 8.85	\$ -	\$ 2,481.00	\$ 2,481.00					
	6' Grade Beam w/Slat Provision Both Sides	cu yds	28	\$ -	\$ 32.50	\$ 8.85	\$ -	\$ 1,157.80	\$ 1,157.80					
	6' Grade Beam	cu yds	34	\$ -	\$ 32.50	\$ 8.85	\$ -	\$ 1,405.90	\$ 1,405.90					
	FIP Pit Walls (2' x 4")	cu yds	22	\$ -	\$ 17.95	\$ 4.93	\$ -	\$ 503.36	\$ 503.36					
	Pit Floors	cu yds	86	\$ -	\$ 25.00	\$ 6.80	\$ -	\$ 2,734.80	\$ 2,734.80					
	Floor	cu yds	151	\$ -	\$ 25.00	\$ 6.80	\$ -	\$ 4,801.80	\$ 4,801.80					
	Office Curbs	cu yds	1	\$ -	\$ 32.50	\$ 8.85	\$ -	\$ 41.35	\$ 41.35					
	Bin Pads	cu yds	22	\$ -	\$ 25.00	\$ 6.80	\$ -	\$ 699.60	\$ 699.60					
	Aprons	cu yds	2	\$ -	\$ 25.00	\$ 6.80	\$ -	\$ 63.60	\$ 63.60					
3200	<b>Concrete Reinforcement</b>										\$ 21,816.12			\$ 1.17
	Footings													
	15M Rebar	ea	102	\$ 14.65			\$ 1,494.30	\$ -	\$ 1,494.30					
	10M Dowels	ea	414	\$ 2.63			\$ 1,088.82	\$ -	\$ 1,088.82					
	10M Rebar	ea	46	\$ 7.40			\$ 340.40	\$ -	\$ 340.40					
	Grade Beams													
	15M Rebar	ea	308	\$ 14.65			\$ 4,512.20	\$ -	\$ 4,512.20					
	10M Rebar	ea	185	\$ 7.40			\$ 1,369.00	\$ -	\$ 1,369.00					
	10M Dowel	ea	553	\$ 1.82			\$ 1,006.46	\$ -	\$ 1,006.46					
	Pit Walls													

10M Rebar	ea	105	\$ 7.40			\$ 777.00	\$ -	\$ 777.00				
Pit Floors												
10M Rebar	ea	476	\$ 7.40			\$ 3,519.69	\$ -	\$ 3,519.69				
Floor												
10M Rebar	ea	776	\$ 7.40			\$ 5,744.85	\$ -	\$ 5,744.85				
Office Curbs												
10M Rebar	ea	4	\$ 7.40			\$ 29.60	\$ -	\$ 29.60				
Bin Pads & Aprons												
15M Rebar	ea	132	\$ 14.65			\$ 1,933.80	\$ -	\$ 1,933.80				
<b>3310 Basic Concrete Materials</b>									<b>\$ 113,223.10</b>			<b>\$ 6.07</b>
Footings (9"x18") (0.0417yds/lin ft)	cu yds	47	\$ 220.75		\$ 6.15	\$ 10,375.25	\$ 289.05	\$ 10,664.30				
6' Grade Beam w/Slat Provision One Side	cu yds	66	\$ 220.75		\$ 6.15	\$ 14,569.50	\$ 405.90	\$ 14,975.40				
6' Grade Beam w/Slat Provision Both Sides	cu yds	31	\$ 220.75		\$ 6.15	\$ 6,843.25	\$ 190.65	\$ 7,033.90				
6' Grade Beam	cu yds	38	\$ 220.75		\$ 6.15	\$ 8,388.50	\$ 233.70	\$ 8,622.20				
Pit Walls (2' x 4")	cu yds	25	\$ 220.75		\$ 6.15	\$ 5,518.75	\$ 153.75	\$ 5,672.50				
Pit Floors	cu yds	95	\$ 220.75		\$ 6.15	\$ 20,971.25	\$ 584.25	\$ 21,555.50				
Floor	cu yds	167	\$ 220.75		\$ 6.15	\$ 36,865.25	\$ 1,027.05	\$ 37,892.30				
Office Curbs	cu yds	2	\$ 220.75		\$ 6.15	\$ 441.50	\$ 12.30	\$ 453.80				
Bin Pads	cu yds	25	\$ 220.75		\$ 6.15	\$ 5,518.75	\$ 153.75	\$ 5,672.50				
Aprons	cu yds	3	\$ 220.75		\$ 6.15	\$ 662.25	\$ 18.45	\$ 680.70				
<b>3480 Precast Concrete Specialties (Slats)</b>									<b>\$ 56,754.50</b>			<b>\$ 3.04</b>
Slats	sq ft	6070	\$ 8.35			\$ 50,684.50	\$ -	\$ 50,684.50				
Install Slats	sq ft	6070		\$ 0.64	\$ 0.36	\$ -	\$ 6,070.00	\$ 6,070.00				
<b>Division 5 - Structural Steel</b>									<b>\$ 1,413.35</b>	<b>\$ 843.15</b>	<b>\$ 2,256.50</b>	<b>\$ 0.12</b>
<b>5100 Structural Steel Columns and Beams</b>									<b>\$ 1,006.50</b>			
C9x15	lin ft	11	\$ 14.85	\$ 70.05	\$ 6.60	\$ 163.35	\$ 843.15	\$ 1,006.50				
<b>5500 Metal Fabrications</b>									<b>\$ 1,250.00</b>			
Misc Fabrications	allow	1	\$ 1,250.00			\$ 1,250.00	\$ -	\$ 1,250.00				
<b>Division 6 - Wood &amp; Plastics</b>									<b>\$ 145,059.55</b>	<b>\$ 95,980.73</b>	<b>\$ 241,040.28</b>	<b>\$ 12.92</b>
<b>6090 Fasteners</b>									<b>\$ 7,295.84</b>			
1/2" Anchor Bolts w Nut and Washer	ea	256	\$ 1.71			\$ 437.76	\$ -	\$ 437.76				
Edge Purlin Splice (T&B) 20ga 4"x20" Steel Strap	ea	104	\$ 9.35			\$ 972.40	\$ -	\$ 972.40				
Simpson Strong Tie	ea	212	\$ 0.64			\$ 135.68	\$ -	\$ 135.68				
Allowance Nails & Screws	allow	1	\$ 5,750.00			\$ 5,750.00	\$ -	\$ 5,750.00				
<b>6110 Structural Wood Framing</b>									<b>\$ 82,781.20</b>			<b>\$ 4.44</b>
2x6 Stud Wall @ 24" o/c 9' ht (Incl 2xT.P. & PT B.P.)	lin ft	24	\$ 9.06	\$ 6.80		\$ 217.44	\$ 163.20	\$ 380.64				
2x6 Stud Wall @ 24" o/c 6' ht (Incl 2xT.P. & PT B.P.)	lin ft	997	\$ 6.99	\$ 6.80		\$ 6,969.03	\$ 6,779.60	\$ 13,748.63				
2x4 Stud Wall @ 16" o/c 9' ht (Incl 2xT.P. & PT B.P.)	lin ft	6	\$ 5.96	\$ 6.25		\$ 35.76	\$ 37.50	\$ 73.26				
2x4 Girts @ 24"	BF	2100	\$ 1.01	\$ 1.33		\$ 2,121.00	\$ 2,797.20	\$ 4,918.20				
2x4 PT Girts, to Concrete	BF	806	\$ 1.82	\$ 1.62		\$ 1,466.92	\$ 1,305.72	\$ 2,772.64				
2x6 Columns	BF	596	\$ 1.04	\$ 0.85		\$ 619.84	\$ 504.22	\$ 1,124.06				
2x6 Header	BF	287	\$ 1.04	\$ 2.34		\$ 298.48	\$ 671.58	\$ 970.06				
2 ply 2x8 Lintel	BF	104	\$ 1.04	\$ 1.87		\$ 108.16	\$ 194.69	\$ 302.85				
2 ply 2x10 Lintel	BF	300	\$ 1.21	\$ 1.60		\$ 363.00	\$ 480.60	\$ 843.60				
2 ply 2x12 Lintel	BF	44	\$ 1.90	\$ 1.42		\$ 83.60	\$ 62.57	\$ 146.17				
2x4 Purlins (Incl'd Valleys)	BF	6500	\$ 1.16	\$ 1.33		\$ 7,540.00	\$ 8,658.00	\$ 16,198.00				
2x4 Lateral Bracing	BF	2102	\$ 1.01	\$ 1.33		\$ 2,123.02	\$ 2,799.86	\$ 4,922.88				
2x4 Vertical Sway Bracing	BF	476	\$ 1.01	\$ 1.33		\$ 480.76	\$ 634.03	\$ 1,114.79				
2x4 Anchor Bracing	BF	192	\$ 1.01	\$ 1.33		\$ 193.92	\$ 255.74	\$ 449.66				
2x6 Blocking under Splice Plates	BF	416	\$ 1.04	\$ 1.83		\$ 432.64	\$ 761.28	\$ 1,193.92				
1x4 Web Nailer	BF	142	\$ 1.22	\$ 2.82		\$ 173.24	\$ 400.01	\$ 573.25				
2x4 Ceiling Strapping	BF	6354	\$ 1.01	\$ 1.44		\$ 6,417.54	\$ 9,149.76	\$ 15,567.30				
2x6 Purlins	BF	848	\$ 1.04	\$ 0.95		\$ 881.92	\$ 801.36	\$ 1,683.28				
2x6 Heels	BF	848	\$ 1.04	\$ 1.69		\$ 881.92	\$ 1,434.82	\$ 2,316.74				
1x4 Soffit Nailer	BF	429	\$ 1.22	\$ 2.81		\$ 523.38	\$ 1,204.63	\$ 1,728.01				
1x4 Painted Trim Board	BF	396	\$ 1.22	\$ 2.00		\$ 483.12	\$ 792.00	\$ 1,275.12				
Soffit Doors, 8'	ea	52	\$ 66.06	\$ 30.00		\$ 3,435.12	\$ 1,560.00	\$ 4,995.12				
2x6 P.T. rough bucks for doors/windows	BF	120	\$ 1.82	\$ 1.95		\$ 218.40	\$ 234.00	\$ 452.40				
2x4 P.T. sill plate for doors/windows	BF	80	\$ 1.82	\$ 1.95		\$ 145.60	\$ 156.00	\$ 301.60				
Interior Galv. Drip Flashing	lin ft	1355	\$ 1.10	\$ 1.17		\$ 1,490.50	\$ 1,585.35	\$ 3,075.85				
2x2 Recirc duct	BF	533	\$ 1.22	\$ 1.88		\$ 650.60	\$ 1,002.57	\$ 1,653.17				

<b>6160</b>	<b>Sheathing</b>							<b>\$ 44,344.20</b>				<b>\$ 2.38</b>
	1/2" P.T. Plywood Sheathing	sq ft	1200	\$ 2.06	\$ 0.83		\$ 2,472.00	\$ 996.00	\$ 3,468.00			
	3/8" OSB Sheathing Recirc duct	sq ft	1212	\$ 0.56	\$ 0.69		\$ 678.72	\$ 836.28	\$ 1,515.00			
	3/8" OSB for Attic Smoke Stops	sq ft	3864	\$ 0.56	\$ 0.63		\$ 2,163.84	\$ 2,434.32	\$ 4,598.16			
	3/8" OSB to Wall, P.N.	sq ft	8328	\$ 0.56	\$ 0.63		\$ 4,663.68	\$ 5,246.64	\$ 9,910.32			
	3/8" OSB to Gables, P.N.	sq ft	12881	\$ 0.56	\$ 0.63		\$ 721.28	\$ 811.44	\$ 1,532.72			
	3/8" OSB to Ceiling, P.N.	sq ft	18656	\$ 0.56	\$ 0.69		\$ 10,447.36	\$ 12,872.64	\$ 23,320.00			
<b>6170</b>	<b>Pre-Fabricated Structural Wood</b>							<b>\$ 106,619.04</b>				<b>\$ 5.72</b>
	Pre-Fabricated Trusses w 2' Overhang	sq ft	18656	\$ 4.20	\$ 0.80	\$ 0.72	\$ 78,261.92	\$ 28,357.12	\$ 106,619.04			
	<b>Division 7 - Thermal &amp; Moisture Protection</b>											
<b>7210</b>	<b>Building Insulation</b>								<b>\$ 48,614.57</b>			<b>\$ 2.61</b>
	R4 blow in Insulation	sq ft	18656	\$ 0.82	\$ 0.64	\$ 0.34	\$ 15,297.92	\$ 18,282.88	\$ 33,580.80			
	Insulation Stops	ea	214	\$ 3.94	\$ 1.50		\$ 843.59	\$ 321.00	\$ 1,164.59			
	Perimeter Ins., 1 1/2" Polystyrene (R7.69) for Recirc duct detail	sq ft	808	\$ 1.37	\$ 0.64		\$ 1,106.96	\$ 517.12	\$ 1,624.08			
	Perimeter Ins., 1 1/2" Polystyrene (R7.69) around perimeter of Loadout	sq ft	30	\$ 1.37	\$ 0.64		\$ 41.10	\$ 19.20	\$ 60.30			
	Perimeter Ins., 1 1/2" Polystyrene (R7.69) around perimeter conc wall	sq ft	3600	\$ 1.37	\$ 0.64		\$ 4,932.00	\$ 2,304.00	\$ 7,236.00			
	6"x23" Fibreglass Batts Unfaced (R20)	sq ft	3660	\$ 0.93	\$ 0.35		\$ 3,403.80	\$ 1,281.00	\$ 4,684.80			
<b>7260</b>	<b>Vapour Retarders</b>							<b>\$ 9,663.00</b>				<b>\$ 0.52</b>
	Urethane Sill Gasket	lin ft	600	\$ 0.24	\$ 0.20		\$ 144.00	\$ 120.00	\$ 264.00			
	6mil Poly Vapour Barrier	C. sq ft	482	\$ 6.85	\$ 12.65		\$ 3,301.70	\$ 6,097.30	\$ 9,399.00			
<b>7400</b>	<b>Roofing &amp; Siding Panels</b>							<b>\$ 99,333.03</b>				<b>\$ 5.32</b>
	10' Wall Metal Cladding	lin ft	2090	\$ 4.38	\$ 4.58		\$ 9,154.20	\$ 9,572.20	\$ 18,726.40			
	24' Roof Metal Cladding	lin ft	3408	\$ 4.38	\$ 3.49		\$ 14,927.04	\$ 11,893.92	\$ 26,820.96			
	26' Roof Metal Cladding	lin ft	3692	\$ 4.38	\$ 3.49		\$ 16,170.96	\$ 12,885.08	\$ 29,056.04			
	12' Wall Gable Metal Cladding	lin ft	768	\$ 4.38	\$ 4.58		\$ 3,363.84	\$ 3,517.44	\$ 6,881.28			
	2' Fascia	lin ft	290	\$ 4.90	\$ 4.58		\$ 1,421.00	\$ 1,328.20	\$ 2,749.20			
	2' Soffit	sq ft	850	\$ 1.05	\$ 2.90		\$ 892.50	\$ 2,464.15	\$ 3,356.65			
	J Trim	lin ft	1500	\$ 1.26	\$ -		\$ 1,890.00	\$ -	\$ 1,890.00			
	Rake Flashing	lin ft	430	\$ 1.94	\$ -		\$ 834.20	\$ -	\$ 834.20			
	Divider Flashing	lin ft	190	\$ 1.26	\$ -		\$ 239.40	\$ -	\$ 239.40			
	Base Drip Flashing	lin ft	610	\$ 1.26	\$ -		\$ 768.60	\$ -	\$ 768.60			
	Outside Corner	lin ft	40	\$ 3.20	\$ -		\$ 128.00	\$ -	\$ 128.00			
	Fascia	lin ft	430	\$ 1.84	\$ -		\$ 791.20	\$ -	\$ 791.20			
	Gable Flashing	lin ft	190	\$ 2.99	\$ -		\$ 568.10	\$ -	\$ 568.10			
	Ridge Cap	lin ft	220	\$ 3.15	\$ -		\$ 693.00	\$ -	\$ 693.00			
	#10 x 1 1/2" Pre-painted Screws w/neoprene washer	ea	27400	\$ 0.13			\$ 3,562.00	\$ -	\$ 3,562.00			
	#12 x 5/8" Pre-painted Stitch Screw w/neoprene washer	ea	12600	\$ 0.18			\$ 2,268.00	\$ -	\$ 2,268.00			
<b>7900</b>	<b>Joint Sealers</b>							<b>\$ 1,887.27</b>				<b>\$ 0.10</b>
	Acoustical Sealant, 3/4" dia	c. lin ft	21	\$ 14.87	\$ 75.00		\$ 312.27	\$ 1,575.00	\$ 1,887.27			
	<b>Division 8 - Doors &amp; Windows</b>											
<b>8100</b>	<b>Steel Doors &amp; Frame</b>								<b>\$ 6,790.00</b>			
	Steel Door, Insulated, 18 ga, 3'0" x 6' 8" with Frame	ea	7	\$ 615.00	\$ 62.50		\$ 4,305.00	\$ 437.50	\$ 4,742.50			
	Steel KD Frame, 16 ga, single	ea	7	\$ 234.00	\$ 58.50		\$ 1,638.00	\$ 409.50	\$ 2,047.50			
<b>8200</b>	<b>Wood &amp; Plastic Doors</b>								<b>\$ 2,468.85</b>			<b>\$ 0.13</b>
	Site Built Wood Door 3'0" x 6'8"	ea	5	\$ 225.00	\$ 135.00		\$ 1,125.00	\$ 675.00	\$ 1,800.00			
	Wood Frame, 5/4x4 9/16" deep	lin ft	65	\$ 8.10	\$ 2.19		\$ 526.50	\$ 142.35	\$ 668.85			
<b>8300</b>	<b>Specialty Doors</b>								<b>\$ 1,995.00</b>			<b>\$ 0.11</b>
	3'x7' Overhead Door, 24 ga. Steel, chain hoist operated	ea	1	\$ 1,525.00	\$ 470.00		\$ 1,525.00	\$ 470.00	\$ 1,995.00			
<b>8700</b>	<b>Door Hardware</b>								<b>\$ 17,356.15</b>			<b>\$ 0.93</b>
	Door Closer	ea	7	\$ 247.00	\$ 78.00		\$ 1,729.00	\$ 546.00	\$ 2,275.00			
	Door Check Chain	ea	7	\$ 3.50	\$ 2.50		\$ 24.50	\$ 17.50	\$ 42.00			
	Panic Bar w/Outside Key & Pull	ea	7	\$ 1,675.00	\$ 175.50		\$ 11,725.00	\$ 1,228.50	\$ 12,953.50			
	Alum. Thresholds	ea	7	\$ 43.05	\$ 29.25		\$ 301.35	\$ 204.75	\$ 506.10			
	Weatherstripping	ea	7	\$ 37.50	\$ 156.00		\$ 262.50	\$ 1,092.00	\$ 1,354.50			
	Vinyl Door Sweeps	ea	7	\$ 13.40	\$ 18.75		\$ 93.80	\$ 131.25	\$ 225.05			
	<b>Division 9 - Finishes</b>											
<b>9100</b>	<b>Metal Support Assemblies</b>								<b>\$ 235.20</b>			<b>\$ 0.01</b>
	5/16" T-Bar Support System, 2'x4' grid	sq ft	120	\$ 1.37	\$ 0.59		\$ 164.40	\$ 70.80	\$ 235.20			
<b>9250</b>	<b>Gypsum Board</b>								<b>\$ 945.96</b>			<b>\$ 0.05</b>
	5/8" FR Drywall	sq ft	470	\$ 0.97			\$ 455.90	\$ -	\$ 455.90			
	Boarding, Walls	sq ft	348	\$ -	\$ 0.47		\$ -	\$ 163.56	\$ 163.56			

	Boarding, Ceilings	sq ft	122	\$ -	\$ 0.52	\$ -	\$ 63.44	\$ 63.44					
	Tape & Finish, Walls	sq ft	348	\$ -	\$ 0.50	\$ -	\$ 174.00	\$ 174.00					
	Tape & Finish, Ceilings	sq ft	122	\$ -	\$ 0.73	\$ -	\$ 89.06	\$ 89.06					
<b>9500</b>	<b>Ceiling</b>								<b>\$ 412.80</b>				<b>\$ 0.02</b>
	5/8" Mineral Fibre Tiles	sq ft	120	\$ 2.69	\$ 0.75	\$ 322.80	\$ 90.00	\$ 412.80					
<b>9910</b>	<b>Painting</b>								<b>\$ 26,695.18</b>				<b>\$ 1.43</b>
	Paint walls & ceilings	sq ft	27334	\$ -	\$ 0.76	\$ -	\$ 20,842.18	\$ 20,842.18					
	Paint Doors	ea	5	\$ 20.50	\$ 56.50	\$ 102.50	\$ 282.50	\$ 385.00					
	Oil Primer	5 gal	10	\$ 102.00	\$ -	\$ 1,020.00	\$ -	\$ 1,020.00					
	Latex Paint	5 gal	32	\$ 139.00	\$ -	\$ 4,448.00	\$ -	\$ 4,448.00					
	<b>Division 10 - Specialties</b>									<b>\$ 729.00</b>	<b>\$ 93.90</b>	<b>\$ 822.90</b>	<b>\$ 0.04</b>
<b>10520</b>	<b>Fire Protection Specialties</b>								<b>\$ 822.90</b>				
	All Purpose 9 1/2lbs Extinguisher	ea	6	\$ 121.50		\$ 729.00	\$ -	\$ 729.00					
	Mount Extinguishers	ea	6		\$ 15.65	\$ -	\$ 93.90	\$ 93.90					
	<b>Division 11 - Building Equipment</b>									<b>\$ 422,064.68</b>	<b>\$ 76,362.76</b>	<b>\$ 498,427.44</b>	<b>\$ 26.72</b>
<b>11800</b>	<b>Barn Equipment</b>								<b>\$ 422,064.68</b>				<b>\$ 22.62</b>
	<b>Penning</b>			\$ -									
	PVC Plank 1.75"x20'	ea	50	\$ 346.78						<b>\$ 17,339.15</b>			
	PVC Plank 2" x 38" x 20'	ea	93	\$ 447.34						<b>\$ 41,602.75</b>			
	PVC Bullnose, 1.75"x2"	ea	208	\$ 10.86						<b>\$ 2,259.90</b>			
	PVC Droprod 3/4"x20'	ea	35	\$ 40.45						<b>\$ 1,415.73</b>			
	1/4" SS Bolt/Washers/Lock Nuts	ea	3000	\$ 0.73						<b>\$ 2,203.20</b>			
	SS 6 Loop U-channel Post 38" w/Plate	ea	95	\$ 87.37						<b>\$ 8,300.21</b>			
	SS 3 Loop U-channel Post 38" w/Plate	ea	2	\$ 89.79						<b>\$ 179.58</b>			
	SS double U-Channel Post 38" w/Plate (Feeders)	ea	40	\$ 114.88						<b>\$ 4,595.05</b>			
	SS U-Channel Post 38" w/Plate (Feeders)	ea	96	\$ 71.19						<b>\$ 6,834.33</b>			
	SS Wall U-Channel Post, 38"	ea	97	\$ 63.75						<b>\$ 6,183.75</b>			
	SS 3-Loop Wall Bracket	ea	16	\$ 57.44						<b>\$ 919.10</b>			
	3/8" SS Lag Bolts	ea	50	\$ 2.18						<b>\$ 108.80</b>			
	3/8" x3" SS Anchor bolts w/nuts and washer	ea	950	\$ 1.85						<b>\$ 1,760.35</b>			
	SS T-Bolt w/nut and washers	ea	450	\$ 7.46						<b>\$ 3,356.44</b>			
	<b>Animal HVAC</b>												
	Exhaust Fan - Better Air LPF-2400	ea	13	\$ 893.70						<b>\$ 11,618.10</b>			
	Exhaust Fan - Better Air LPF-3800	ea	12	\$ 1,334.70						<b>\$ 16,016.40</b>			
	Recirc. Fan Better Air LCF 2400	ea	8	\$ 675.90						<b>\$ 5,407.20</b>			
	TR36WC3 Winter Closure	ea	12	\$ 106.20						<b>\$ 1,274.40</b>			
	Hood 24"	ea	13	\$ 90.90						<b>\$ 1,181.70</b>			
	TR24BD Backdraft Damper	ea	13	\$ 157.50						<b>\$ 2,047.50</b>			
	White Silicone	ea	25	\$ 5.64						<b>\$ 141.08</b>			
	#10 x 1 1/2" SS Screws	ea	300	\$ 0.18						<b>\$ 54.00</b>			
	Air Inlet - Better Air SF2000	ea	156	\$ 130.05						<b>\$ 20,287.80</b>			
	Air inlet actuator	ea	5	\$ 535.50						<b>\$ 2,677.50</b>			
	SS cable	lin. Ft.	1050	\$ 1.17						<b>\$ 1,228.50</b>			
	Galv. Cable Clamp	ea	50	\$ 3.15						<b>\$ 157.50</b>			
	Azuma nuts	ea	160	\$ 2.30						<b>\$ 367.20</b>			
	Air inlet counterweight	ea	9	\$ 34.62						<b>\$ 311.57</b>			
	Hanging pulley	ea	9	\$ 13.50						<b>\$ 121.50</b>			
	Flush mount pulley	ea	25	\$ 10.80						<b>\$ 270.00</b>			
	#10 x 1 1/2" SS Screws	ea	1250	\$ 0.20						<b>\$ 250.00</b>			
	Hand Winch w/bracket and bolts	ea	5	\$ 112.50						<b>\$ 562.50</b>			
	Space Heater 100BTU	ea	1	\$ 900.00						<b>\$ 900.00</b>			
	Space Heater 250BTU	ea	5	\$ 1,687.50						<b>\$ 8,437.50</b>			
	Environmental controller	ea	5	\$ 1,489.20						<b>\$ 7,446.00</b>			
	Back-up thermostat	ea	5	\$ 99.00						<b>\$ 495.00</b>			
	Manual fan control	ea	5	\$ 155.00						<b>\$ 775.00</b>			
	Temperature Probe with Cable	ea	9	\$ 665.00						<b>\$ 5,985.00</b>			
	Central environment control computer	ea	1	\$ 1,500.00						<b>\$ 1,500.00</b>			
	Environment control software	ea	1	\$ 2,000.00						<b>\$ 2,000.00</b>			
	<b>Watering System</b>												
	Water Meter	ea	1	\$ 1,000.00						<b>\$ 1,000.00</b>			
	1 1/2" camlock coupler FCCxHB	ea	10	\$ 15.27						<b>\$ 152.69</b>			

1 1/2" camlock coupler MCCxFT	ea	10	\$ 3.62				\$ 36.18					
1 1/2" PVC sch40 end cap	ea	6	\$ 1.11				\$ 6.64					
1 1/2" PVC sch40 true union	ea	4	\$ 18.74				\$ 74.95					
1 1/2" PVC sch40 true union ball valve	ea	5	\$ 61.57				\$ 307.87					
1 1/2" PVC sch40 45 degree elbow	ea	10	\$ 2.46				\$ 24.57					
1 1/2" PVC sch40 90 degree elbow	ea	28	\$ 1.74				\$ 48.76					
1 1/2" PVC sch40 adapter SxMNT	ea	10	\$ 1.32				\$ 13.23					
1 1/2" PVC sch40 ball valve	ea	10	\$ 14.82				\$ 148.23					
1 1/2" PVC sch40 coupling SxS	ea	40	\$ 2.74				\$ 109.62					
1 1/2" PVC sch40 pipe (linear feet)	ea	750	\$ 3.94				\$ 2,956.50					
1 1/2" PVC sch40 tee	ea	15	\$ 2.34				\$ 35.03					
1 1/2" PVC standoff clamp	ea	200	\$ 5.21				\$ 1,042.20					
1 1/2" x 3/4" PVC sch40 tee	ea	9	\$ 3.81				\$ 34.26					
1 1/2"x3/4" PVC sch40 reducer SPGxFT	ea		\$ 2.21				\$ -					
1 1/2"x3/4" PVC sch40 reducer SxSPG	ea	0	\$ 1.27				\$ -					
1/4" braided hose (linear feet)	ea	500	\$ 0.54				\$ 270.00					
1/4" S.S. hose clamps	ea	250	\$ 0.49				\$ 123.60					
24v transformer for solenoid valve	ea	4	\$ 28.32				\$ 113.28					
3/4" PVC sch40 FT end cap	ea	18	\$ 1.03				\$ 18.47					
3/4" PVC sch40 45 degree elbow	ea		\$ 1.24				\$ -					
3/4" PVC sch40 90 degree elbow	ea	194	\$ 0.55				\$ 107.38					
3/4" PVC sch40 ball valve SxS	ea	64	\$ 4.85				\$ 310.18					
3/4" PVC sch40 coupling SxS	ea	75	\$ 0.47				\$ 35.44					
3/4" PVC sch40 pipe (linear feet)	ea	1450	\$ 1.59				\$ 2,309.85					
3/4" PVC sch40 SxMT adapter	ea	26	\$ 0.51				\$ 13.34					
3/4" PVC sch40 tee	ea	130	\$ 0.68				\$ 87.75					
3/4" PVC sch40 true union	ea	13	\$ 5.49				\$ 71.43					
3/4" PVC sch40 true union ball valve	ea	4	\$ 39.69				\$ 158.76					
3/4" PVC standoff clamp	ea	300	\$ 2.67				\$ 801.90					
PVC glue	ea	6	\$ 22.77				\$ 136.65					
PVC primer	ea	6	\$ 15.01				\$ 90.07					
Reducing adapter, 1/2" MNT x 1/4" hose barb	ea	104	\$ 4.04				\$ 419.80					
Reducing adapter, 3/4" slip x 1/4" hose barb	ea	104	\$ 2.17				\$ 226.04					
Shrubbery nozzles, .2 GPM, 90 degree spray	ea	100	\$ 0.09				\$ 9.00					
Drip Irrigator, .5 GPH	ea	0	\$ 0.69				\$ -					
Solenoid valves	ea	4	\$ 40.55				\$ 162.20					
Fire hose (linear feet)	ea	150	\$ 3.81				\$ 571.05					
Spray Nozzle	ea	2	\$ 20.13				\$ 40.26					
36" Double Drinker w/Nipples	ea	104	\$ 60.41				\$ 6,282.90					
Teflon Tape	ea	24	\$ 1.50				\$ 35.96					
#8x3" SS Screws	ea	1000	\$ 0.28				\$ 280.00					
Medicator	ea	1	\$ 902.37				\$ 902.37					
5% allowance for extras & modifications	ea	0.05	\$ 1,304.12				\$ 65.21					
1/2" sch80 galv steel pipe (linear feet)	ea	250	\$ 5.45				\$ 1,362.50					
3/4" sch80 galv steel pipe (linear feet)	ea	50	\$ 6.60				\$ 330.00					
1/2" sch80 galv steel 90 degree elbow	ea	13	\$ 6.96				\$ 90.48					
1/2" sch80 galv steel tee	ea	5	\$ 15.90				\$ 79.50					
1/2" sch80 galv steel ball valves	ea	5	\$ 39.00				\$ 195.00					
3/4" x 1/2" sch80 galv steel ball valves	ea	3	\$ 71.00				\$ 213.00					
1/2" sch80 galv steel coupling	ea	20	\$ 9.66				\$ 193.20					
1/2" sch80 galv steel union	ea	2	\$ 32.40				\$ 64.80					
1/2" aluminum long shank pipe hangers	ea	75	\$ 5.78				\$ 433.50					
3/4" sch80 galv steel 90 degree elbow	ea	8	\$ 8.40				\$ 67.20					
3/4" sch80 galv steel coupling	ea	5	\$ 11.34				\$ 56.70					
3/4" sch80 galv steel union	ea	2	\$ 37.80				\$ 75.60					
3/4" End Cap	ea	1	\$ 9.54				\$ 9.54					
Pressure washer drops	ea	5	\$ 75.00				\$ 375.00					
#10x3" SS Screws	ea	150	\$ 0.42				\$ 63.00					
Teflon Tape	ea	12	\$ 0.81				\$ 9.73					
10 HP Pressure Washer	ea	1	\$ 24,500.00				\$ 24,500.00					
<b>Feed System</b>												

	Boot bin	ea	8	\$ 62.26					\$ 498.05						
	Model 300 Bin Unloader	ea	8	\$ 466.07					\$ 3,728.59						
	Model 300 PVC Tubing (10 ft Tube)	ea	96	\$ 32.71					\$ 3,139.95						
	Model 300 Auger Flighting	lin ft	1000	\$ 4.24					\$ 4,240.35						
	Model 300 Elbow	ea	8	\$ 27.48					\$ 219.87						
	Tube Clamp	ea	16	\$ 4.98					\$ 79.70						
	Flex Auger Tube Spacer Shim	ea	16	\$ 6.90					\$ 110.34						
	Model 300 PVC Coupler	ea	100	\$ 6.25					\$ 624.51						
	Model 300 Drop Kit	ea	48	\$ 17.52					\$ 840.97						
	Model 300 Galvanized Hangers	ea	120	\$ 6.24					\$ 748.55						
	3/4 HP Feed Motor	ea	8	\$ 647.07					\$ 5,176.58						
	Model 300 Control Unit	ea	8	\$ 257.29					\$ 2,058.31						
	Proximity Sensor	ea	8	\$ 174.11					\$ 1,392.88						
	3 1/2" Plastic Drop Tubes (12' Length)	ea	24	\$ 31.27					\$ 750.58						
	Wall Seal Plate and Gasket	ea	8	\$ 69.51					\$ 556.08						
	PVC glue	ea	8	\$ 16.87					\$ 134.96						
	PVC primer	ea	8	\$ 11.12					\$ 88.96						
	3/16" Zinc Plated Chain	lin ft	400	\$ 1.31					\$ 524.00						
	3/8" x 4 1/2" Eye Lag Screw	ea	16	\$ 4.59					\$ 73.44						
	2" Plated S Hook	ea	32	\$ 0.69					\$ 22.08						
	1/4" x 3 1/4" SS Screwhook	ea	180	\$ 3.50					\$ 630.00						
	Feed System Time Clock	ea	1	\$ 514.56					\$ 514.56						
	SS Feeders, Wet/Dry, 2 spc, 2 side	ea	48	\$ 523.60					\$ 25,132.80						
	22.64 tonne Feed Bins	ea	4	\$ 8,270.84					\$ 33,083.37						
	<i>Lift Station</i>														
	5' x 36" Concrete Well Cribbing	ea	3	\$ 583.20					\$ 1,749.60						
	5' Concrete Well Base	ea	1	\$ 704.70					\$ 704.70						
	5' Concrete Top	ea	1	\$ 324.00					\$ 324.00						
	ITT Flygt 10HP Submersible Pump w/controls, starter	ea	1	\$ 34,800.00					\$ 34,800.00						
	3/16" SS Cable	lin ft	25	\$ 1.03					\$ 25.75						
	3/16" SS Clamp	ea	4	\$ 9.24					\$ 36.96						
	Discharge Elbow for 10HP Pump	ea	1	\$ 2,514.26					\$ 2,514.26						
	Float w/6m cable	ea	3	\$ 292.03					\$ 876.09						
	SS guide Rails	ea	2	\$ 537.04					\$ 1,074.08						
	2000lb Winch on Stand	ea	1	\$ 1,950.00					\$ 1,950.00						
	Bolts and Parts Allowance	ea	1	\$ 250.00					\$ 250.00						
	<i>Sewer Pipe</i>														
	10" Ultra-rib Pipe	lin ft	662	\$ 18.35					\$ 12,147.70						
	10" U-R 45 degree Elbow	ea	18	\$ 613.24					\$ 11,038.32						
	10"x8" U-R Wye	ea	3	\$ 768.30					\$ 2,304.90						
	10"x8" U-R Tee	ea	20	\$ 426.30					\$ 8,526.00						
	10" U-R Wye	ea	7	\$ 948.26					\$ 6,637.82						
	8" U-R x 6" SDR35 Adapter	ea	8	\$ 305.31					\$ 2,442.48						
	8" U-R x 4" PVC DWV	ea	2	\$ 412.78					\$ 825.56						
	8" Ultra-rib pipe	lin ft	62	\$ 13.38					\$ 829.56						
	8" Pit Plugs	ea	20	\$ 32.00					\$ 640.00						
	6" SDR35 Pipe	lin ft	62	\$ 12.27					\$ 760.74						
	6" SDR35 45 degree Elbow	ea	8	\$ 56.69					\$ 453.52						
	6" SDR 35 Union	ea	8	\$ 75.95					\$ 607.60						
	6" SDR35 90 degree Elbow	ea	16	\$ 70.91					\$ 1,134.56						
	Misc			\$ -					\$ -						
	Alarm System	ea	1	\$ 4,500.00					\$ 4,500.00						
	Load-out Ramp	ea	1	\$ 2,240.00					\$ 2,240.00						
	Stationary Weigh Scale	ea	1	\$ 1,717.36					\$ 1,717.36						
	Load Cells, 500lbs	ea	4	\$ 65.00					\$ 260.00						
11850	<b>Equipment Installation</b>														\$ 4.09
	Install Penning	lin ft	2664	\$ 7.78					\$ 20,715.26						
	Install Exhaust & Recirculation Fans	ea	33	\$ 9.72					\$ 320.76						
	Install Air Inlets	ea	156	\$ 9.72					\$ 1,516.32						
	Install Inlet Actuators	ea	5	\$ -	\$ 9.72				\$ 48.60						
	Install Heaters	ea	5	\$ 110.16					\$ 550.80						

	Install Environmental Controls	ea	5	\$ 270.00			\$ 1,350.00					
	Install Back-up Thermostats	ea	5	\$ 95.00			\$ 475.00					
	Install Manual Fan Controls	ea	5	\$ 95.00			\$ 475.00					
	Install Waterlines	lin ft	2200	\$ 4.08			\$ 8,981.28					
	Install Drinkers	ea	104	\$ 19.44			\$ 2,021.76					
	Install HPW Pipe	lin ft	300	\$ 6.29			\$ 1,885.68					
	Install Pressure Washer	ea	1	\$ 760.00			\$ 760.00					
	Install Feed Lines	lin ft	1000	\$ 6.80			\$ 6,804.00					
	Install Feed Motors	ea	8	\$ 97.20			\$ 777.60					
	Install Feeders	ea	48	\$ 32.40			\$ 1,555.20					
	Install Feed Bins	ea	4	\$ 1,440.00			\$ 5,760.00					
	Install Lift Station	ea	1	\$ 4,440.00			\$ 4,440.00					
	Install Sewer Pipe	lin ft	786	\$ 16.75			\$ 13,165.50					
	Install Alarms	ea	1	\$ 2,600.00			\$ 2,600.00					
	Install Load-out Ramp	ea	1	\$ 960.00			\$ 960.00					
	Install Scale	ea	1	\$ 1,200.00			\$ 1,200.00					
	<b>Division 15 - Mechanical</b>							\$ 16,422.25	\$ 13,405.87	\$ 29,828.12	\$ 1.60	
<b>15200</b>	<b>Process Piping</b>											\$ 0.62
	1" Gas Pipe	lin ft	350	\$ 9.70	\$ 10.90		\$ 3,395.00	\$ 3,815.00	\$ 7,210.00			
	Gas Connection to Unit Heater	ea	6	\$ 140.76	\$ 532.02		\$ 844.56	\$ 3,192.12	\$ 4,036.68			
	Gas Pipe Fittings	allow	5%	\$ 7,210.00			\$ 360.50	\$ -	\$ 360.50			
<b>15400</b>	<b>Plumbing Fixtures &amp; Equipment Including Supply, Waste and Vent Piping</b>							\$ 7,037.60				\$ 0.38
	Water Closet, 2-piece, floor mount	ea	1	\$ 794.75	\$ 824.50		\$ 794.75	\$ 824.50	\$ 1,619.25			
	Shower, 1 piece, Fibreglass	ea	1	\$ 1,105.00	\$ 871.25		\$ 1,105.00	\$ 871.25	\$ 1,976.25			
	S.S. Sink, Single	ea	1	\$ 1,253.75	\$ 850.00		\$ 1,253.75	\$ 850.00	\$ 2,103.75			
	Floor Drain	ea	2	\$ 433.50	\$ 86.50		\$ 867.00	\$ 173.00	\$ 1,040.00			
	Rough In - Washer	ea	1	\$ 64.60	\$ 233.75		\$ 64.60	\$ 233.75	\$ 298.35			
<b>15500</b>	<b>Heat Generating Equipment</b>							\$ 4,101.25				\$ 0.22
	Hot Water Heater	ea	1	\$ 2,741.25	\$ 1,360.00		\$ 2,741.25	\$ 1,360.00	\$ 4,101.25			
<b>15700</b>	<b>HVAC</b>							\$ 7,082.09				\$ 0.38
	1000 Watt Baseboard	ea	2	\$ 54.00	\$ 80.50		\$ 108.00	\$ 161.00	\$ 269.00			
	Exhaust Fan	ea	1	\$ 115.00	\$ 58.00		\$ 115.00	\$ 58.00	\$ 173.00			
	6" diameter exhaust ducting	lin ft	22	\$ 5.20	\$ 3.61		\$ 114.40	\$ 79.42	\$ 193.82			
	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	204	\$ 1.61	\$ 1.95		\$ 328.44	\$ 397.80	\$ 726.24			
	Floor heat manifolds	ea	2	\$ 370.00	\$ 120.02		\$ 740.00	\$ 240.03	\$ 980.03			
	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>							\$ 140,386.40	\$ 91,251.16	\$ 49,135.24	\$ 140,386.40	\$ 7.53
<b>16200</b>	<b>Main Service &amp; Distribution</b>	Flr Sq Ft	18656	\$ 4.89	\$ 2.63		\$ 91,251.16	\$ 49,135.24	\$ 140,386.40			
	<b>Division 31 Earthworks</b>								\$ 139,080.74	\$ 200,971.23	\$ 340,051.97	\$ 18.23
	<b>Barn Foundation</b>							\$ 71,448.08				\$ 3.83
	Strip Top Soil	cu yds	980			\$ 4.96	\$ -	\$ 4,860.80	\$ 4,860.80			
	Excavate Foundations	cu yds	2238			\$ 6.44	\$ -	\$ 14,413.92	\$ 14,413.92			
	Place & Compact A Base	cu yds	814.2	\$ 28.00	\$ 22.68		\$ 22,797.60	\$ 18,466.06	\$ 41,263.66			
	Trench Sewer Piping & Backfilling	lin ft	638	\$ 5.60	\$ 2.23		\$ 4,995.54	\$ 4,995.54				
	Sand Bedding for Sewer Pipe	lin ft	638	\$ 2.87	\$ 2.45		\$ 1,831.06	\$ 1,563.10	\$ 3,394.16			
	Backfill 3' and slope away from building	cu yds	100		\$ 25.20	\$ -	\$ -	\$ 2,520.00	\$ 2,520.00			
	<b>Roads and Parking</b>							\$ 96,144.64				\$ 5.15
	Allow for ring road around perimeter, 30' x48' parking pad,											
	150' of driveway, 25' wide w/ditch											
	Strip Top Soil	cu yds	890			\$ 4.96	\$ -	\$ 4,414.40	\$ 4,414.40			
	Excavate/Backfill Road and Ditch	cu yds	1775			\$ 6.48	\$ -	\$ 11,502.00	\$ 11,502.00			
	Geo-Grid Reinforcement Under Roads	sq ft	23940	\$ 0.29		\$ 0.16	\$ 6,846.84	\$ 3,830.40	\$ 10,677.24			

18" Gravel topping on roads	cu yds	1570	\$ 28.00	\$ 16.30		\$ 43,960.00	\$ 25,591.00	\$ 69,551.00					
<b>Earthen Manure Storage w/HDPE Liner</b>									<b>\$ 172,459.25</b>				\$ 9.24
Strip Top Soil	cu yds	3016			\$ 4.96	\$ -	\$ 14,959.36	\$ 14,959.36					
Excavate Cells and Backfill to Berms	cu yds	5524			\$ 6.48	\$ -	\$ 35,795.52	\$ 35,795.52					
High Density PolyEthylene Liner	sq ft	53681	\$ 1.02	\$ 0.44		\$ 54,486.22	\$ 23,351.24	\$ 77,837.45					
6" Pipe to lagoon	lin ft	75	\$ 12.27	\$ 21.53		\$ 920.25	\$ 1,614.38	\$ 2,534.63					
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	1388		\$ 16.10		\$ -	\$ 22,346.80	\$ 22,346.80					
<b>Concrete Spillway &amp; Ramp with Curb</b>													
Forming	sq ft	1208	\$ 0.82	\$ 7.65		\$ 990.56	\$ 9,241.20	\$ 10,231.76					
Pouring	cu yds	23	\$ -	\$ 25.00	\$ 8.04	\$ -	\$ 760.02	\$ 760.02					
Reinforcing	ea	184	\$ 7.40			\$ 1,361.60	\$ -	\$ 1,361.60					
Concrete Material	cu yds	25.31	\$ 202.88			\$ 5,132.86	\$ -	\$ 5,132.86					
<b>Division 33 Utilities</b>									<b>\$ 38,500.00</b>	\$ -	<b>\$ 38,500.00</b>	\$ 2.06	
<b>Utilities</b>									<b>\$ 38,500.00</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	\$ 18,500.00			\$ 18,500.00	\$ -	\$ 18,500.00					
<b>19000 Contingency (5%)</b>											<b>\$ 83,429.49</b>	\$ 4.47	
<b>Sub-Total</b>									<b>\$ 1,241,073.33</b>	<b>\$ 889,497.89</b>	<b>\$ 2,130,571.22</b>	<b>\$ 114.20</b>	
PST 6%      Note: Some Elements are PST Exempt											<b>\$ 94,783.03</b>	<b>\$ 5.08</b>	
<b>Sub-Total Including PST</b>											<b>\$ 2,225,354.25</b>	<b>\$ 119.28</b>	
GST 5%											<b>\$ 106,528.56</b>	<b>\$ 5.71</b>	
<b>TOTAL</b>											<b>\$ 4,557,237.07</b>	<b>\$ 244.28</b>	