

DESIGN LOADS

FOR AGASSIZ, BRITISH COLUMBIA

- 1) GROUND SNOW $S_g = 46 \text{ psf}$ (2.2 kN/m^2)
- 2) RAIN LOAD $S_r = 12.5 \text{ psf}$ (0.6 kN/m^2)
- 3) 1:10 HOURLY WIND PRESSURE 11.5 psf ($.55 \text{ kN/m}^2$)
- 4) TOTAL FACTORED ROOF LOAD 56 psf (2.7 kN/m^2)
- 5) ALLOWABLE SOIL BEARING PRESSURE 3000 psf (144 kN/m^2)

IMPORTANT

MANUFACTURED ENGINEERED TRUSSES AT 4'-0" o/c TO SUIT LOCAL SNOW LOADS.

TRUSS SPAN TO BE OUTSIDE TO OUTSIDE OF POSTS PLUS 3".

LONGITUDINAL TRUSS BRACING TO BE AS PER MANUFACTURER'S SPECIFICATIONS

DIAGONAL TRUSS BRACING SPECIFICATIONS TO BE AS SHOWN ON LEAFLET 305-34.

A SOIL INVESTIGATION SHOULD BE PERFORMED, AND WHERE SOFT* SOILS ARE ENCOUNTERED, A GEOTECHNICAL ENGINEER SHOULD BE CONSULTED.

*ALLOWABLE SOIL BEARING PRESSURE LESS THAN 3000 psf.

CONCRETE TO BE AT LEAST 3500 psi (25 Mpa) 28 DAY COMPRESSIVE STRENGTH.

REINFORCING STEEL TO BE 40,000 psi (300 Mpa) YIELD STRENGTH.

ALL POSTS AND TIMBERS TO BE No. 2 AND BETTER HEM-FIR OR SPRUCE.PINE.FIR (S.P.F.).

KNEE BRACES, CLEATS AND PURLINS TO BE No.2 AND BETTER SPRUCE.PINE.FIR (S.P.F.).

ALL 2"x 6" TONGUE AND GROOVE PLANKING TO BE COMMERCIAL GRADE SPRUCE.PINE.FIR (S.P.F.) OR BETTER.

PRESSURE TREATMENT OF PLANKING SHALL BE:

- ACA (AMMONIACAL COPPER ARSENATE)
- OR
- CCA (CHROMATED COPPER ARSENATE)

PRESSURE TREATMENT OF POSTS SHALL BE:

- ACA
- CCA
- CREOSOTE OR PENTACHLOROPHENOL

REQUIRED REFERENCE INFORMATION

- LEAFLET 9307 "KNEE BRACE SYSTEMS FOR WIND-BRACING FARM BUILDINGS"
- LEAFLET 9102 "TRUSS ERECTING AND BRACING"
- LEAFLET 10383 "SMALL AGRICULTURAL WASTE STORAGE"

THIS PLAN MEETS THE REQUIREMENTS AND RECOMMENDATIONS OF THE CANADIAN FARM BUILDING CODE - 1990. AND CSA STANDARD CAN3-086.1-M89

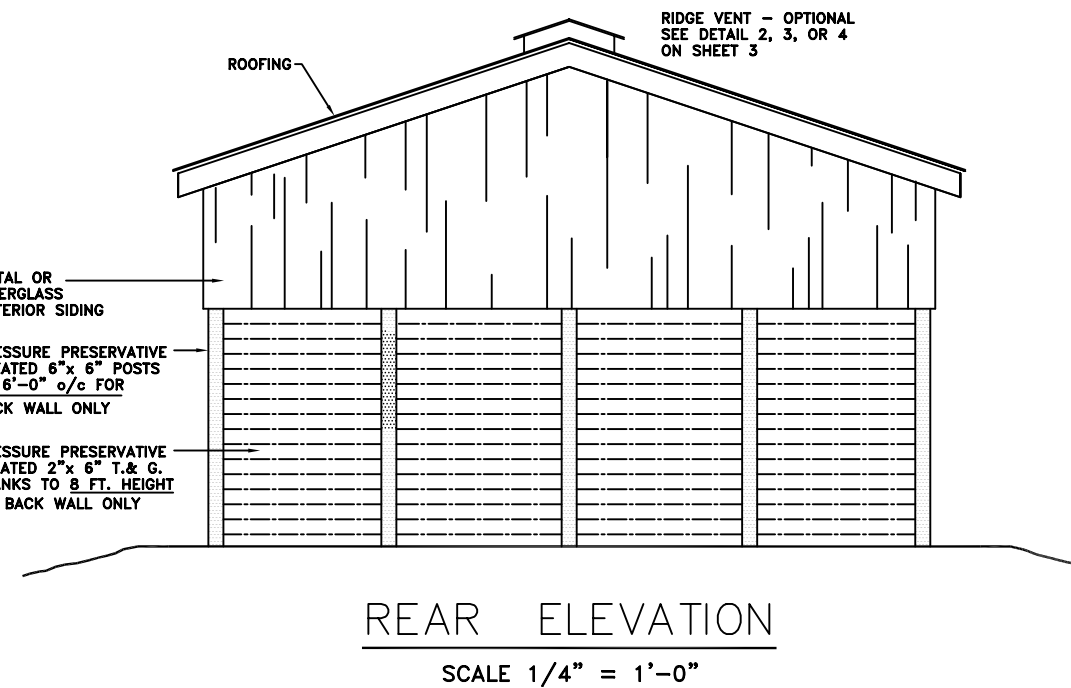
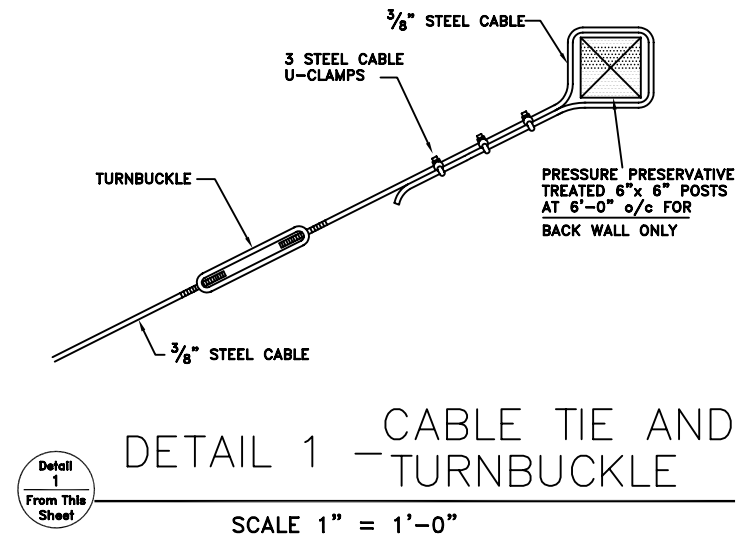
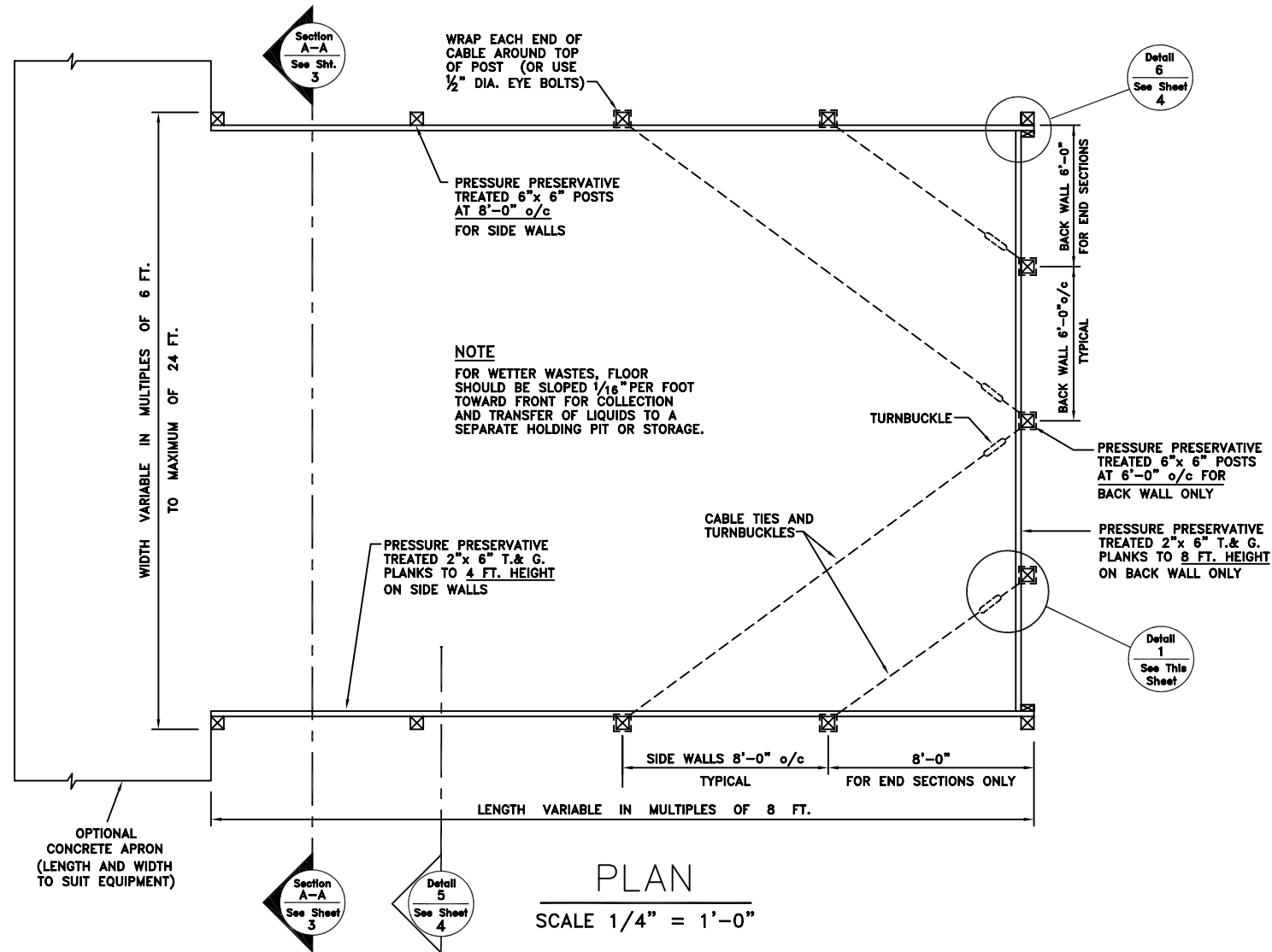
WARNING

This plan may require structural and other changes to meet local site conditions, climatic loads, user requirements and applicable building regulations (such as the Canadian Farm Building Code). Before construction, the use of this plan is responsible to ensure that all required changes are made.

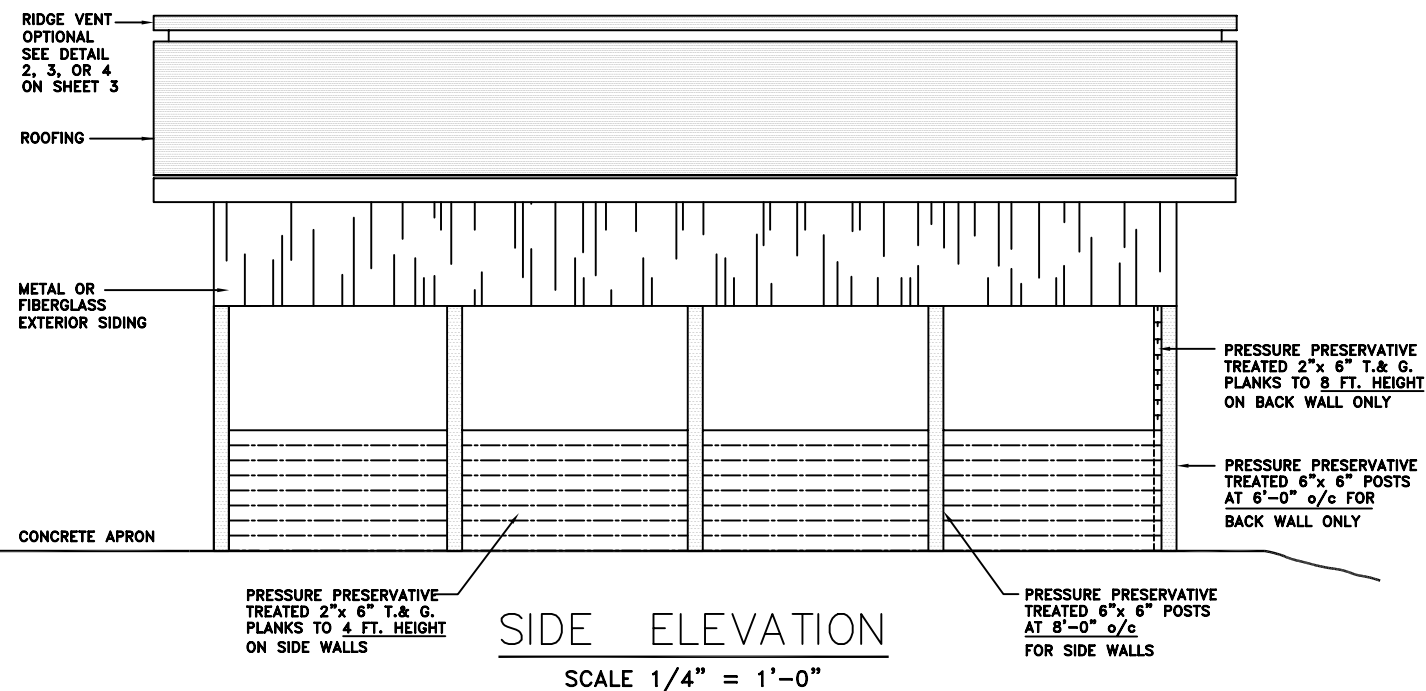


SMALL AGRICULTURAL WASTE STORAGE - WOOD WALLS - 24 FEET WIDE MAXIMUM

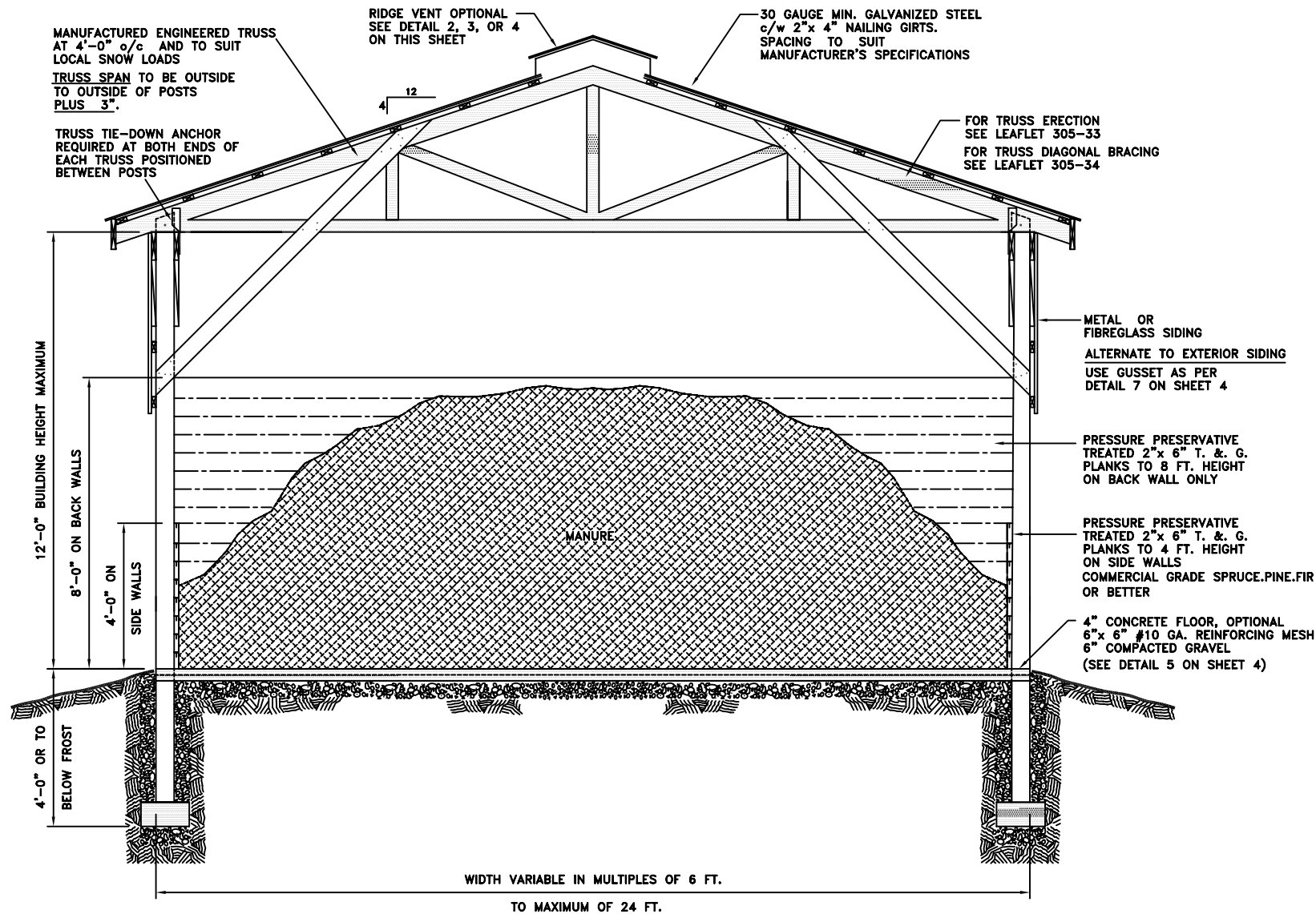
DESIGNED	John Luymes, P.Eng.	DATE	January 1996
DRAWN	Linda Hokanson	SHEET	1 OF 4
CHECKED		PLAN No.	10383
CADNo. 383181	CADPlot 1=80	DISKNo. 1 OF 4	



NOTE
2" x 6" T. & G. PRESSURE PRESERVATIVE PLANKS ARE REQUIRED TO 8 FT. HEIGHT ON BACK WALL TO PROVIDE SUPPORT FOR FORCES FROM A LOADER.



			SMALL AGRICULTURAL WASTE STORAGE - WOOD WALLS - PLAN, ELEVATIONS, DETAIL 1	
DESIGNED	John Luymes, P.Eng.	DATE	January 1996	
DRAWN	Linda Hokanson	SHEET	2 OF 4	
CHECKED		PLAN No.	10383	
CADNo. 383182	CADPlot 1=48	DISKNo. 2 OF 4		

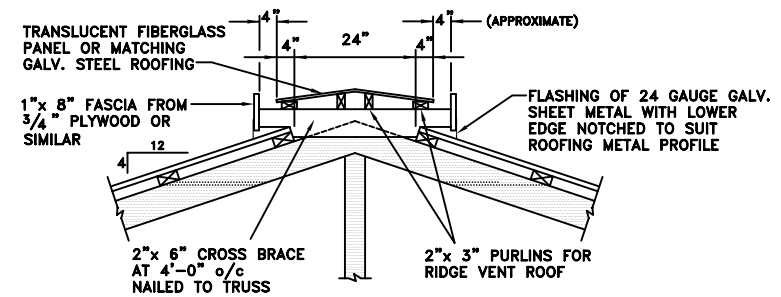


Section A-A from Sht. 2

CROSS-SECTION A-A

Section A-A from Sht. 2

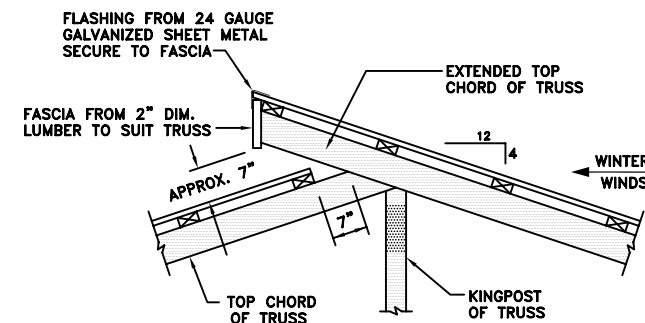
SCALE - 3/16" = 1'-0"



Detail 2 From Sheet 2

DETAIL 2
TYPICAL RIDGE VENT

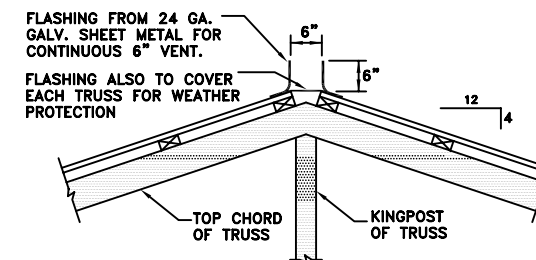
SCALE - 1/2" = 1'-0"



Detail 3 From Sheet 2

DETAIL 3
OVERSHOT RIDGE VENT

SCALE - 1/2" = 1'-0"

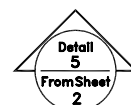


Detail 4 From Sheet 2

DETAIL 4
CONTINUOUS OPEN RIDGE VENT

SCALE - 1/2" = 1'-0"

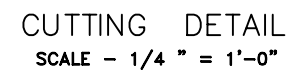
			SMALL AGRICULTURAL WASTE STORAGE - WOOD WALLS - CROSS-SECTION A-A, DETAILS 2, 3 AND 4	
DESIGNED	John Luymes, P.Eng.	DATE	January 1996	
DRAWN	Linda Hokanson	SHEET	3 OF 4	
CHECKED		PLAN No.	10383	
CADNo. 563163	CADPlot 1=46	DISKNo. 3 OF 4		



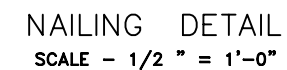
SCALE - 1/2" = 1'-0"



SCALE - 1/2" = 1'-0"



CUTTING DETAIL



NAILING DETAIL

DETAIL 7 – PLYWOOD GUSSET DETAIL
ALTERNATE TO EXTERIOR SIDING

SCALE - AS NOTED



SMALL AGRICULTURAL
WASTE STORAGE
- WOOD WALLS -
DETAIL 5 - SIDE WALL
AND DETAILS 6, 7

DATE	January 1996
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SHEET 4 OF 4

PLAN No.	
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DISK No. 4 of 4

No. 10383