

Jeff & Bonnie Bruce
Goat barn additions
Secco Plastique panels & chimneys

Item	Description	Qty	Unit	Unit List	Total List
	MARLON PANEL 48' SECTION 4 - 24" CHIMNEYS				
MARLON48X12...	(VICTORIA)...5-020-6101...Marlon Starting Panel 48" X 12' c/w wind pipes (suspension ordered separately 5-020-6154)	1	EA	986.82	986.82
MARLON48X12L...	(VICTORIA)...5-020-6103...Marlon In Between Panel 48" X 12' c/w wind pipes (suspension ordered separately 5-020-6154)	2	EA	879.31	1,758.62
MARLON48X12...	(VICTORIA)...5-020-6102...Marlon End Panel 48" X 12' c/w wind pipes (suspension ordered separately 5-020-6154)	1	EA	995.63	995.63
MARLONCABLE...	(VICTORIA)...5-020-6154...12' Cable and pulley kit for Marlon Panels	48	EA	5.54	265.92
PANELMANOPEN	(VICTORIA)...5-020-5900...Manual Opening - Cable and Pulleys 2000 lbs	1	EA	376.77	376.77
ISOBIRDNETPL...	(VICTORIA)...5-020-5375...Plastic Coated Steel Bird Mesh 4' Wide	52	FT	2.91	151.32
SCHIMROOPTO...	(VICTORIA)...5-020-5022...42" White Square Chimney ROOF TOP ONLY (for 24" X 24" Chimney)	4	EA	220.56	882.24
SCHIMROOFBA...	(VICTORIA)...5-020-5012...24" X 24" Natural Chimney Roof BASE ONLY (Slope of roof to be confirmed)	4	EA	348.43	1,393.72
SCHIMBIRDNET...	(VICTORIA)...5-020-5046...Bird Barrier for 24" X 24" chimney c/w necessary attachments	4	EA	32.93	131.72
SCHIMEXTEND...	(VICTORIA)...5-020-5431...4 Panel Chimney Extension 24" X 24" X 11' c/w Corner Channels	2	EA	670.46	1,340.92
SCHIMEXTEND...	(VICTORIA)...5-020-5428...4 Panel Chimney Extension 24" X 24" X 8' c/w Corner Channels	2	EA	477.30	954.60
SCHIMDAMPER...	(VICTORIA)...5-020-5051...Chimney Duct Damper for 24" X 24" chimney	4	EA	80.27	321.08
SCHIMCABLE7...	(VICTORIA)...5-020-5032...1/8" X 7X19 SS304 Cable	250	FT	0.60	150.00
		Total List			

7873 Wellington Rd. 8
P.O. Box 440, Drayton, ON N0G 1P0
Phone: 519-638-2420 Fax: 519-638-5015

7221 Side Rd. 3
P.O. Box 440, Drayton, ON N0G 1P0
Phone: 519-638-3086 Fax: 519-638-3955

Item	Description	Qty	Unit	Unit List	Total List
SCHIMWINCHKIT	(VICTORIA)...5-020-5035...Chimney Winch Kit TWO CHIMNEYS ARE 5/12 PITCH AND THE OTHER TWO CHIMNEYS ARE 4/12 PITCH <i>You can subtract 20% off of total before tax.</i>	1	EA	139.41	139.41
Page 2				Total List	Can\$9,848.77

*- 20%
7879.17*

Estimate Supplied For:
JEFF & BONNIE BRUCE
RR#2 LON 1G0
Res.(519) 928-5266

Estimator: DARREN GINGRICH
Salesperson: DARREN GINGRICH
Estimate Date: December 20, 2007
Valid To: December 27, 2007 (2)
Reference:

Estimate # 13815 **60 x 60 x 5' STUDWALL** **Page: 1 of 3**

Component	Description	Quantity	Unit	Price	Total
STUDWALL ESTIMATE - 60'X62'X5'					
60 X 62 X 5					
WALL SYSTEM					
2X6 BOT PLATES	2X6 16' KD SPRUCE	7	Ea.	\$6.08	\$42.56
	2X6X16 PRESSURE TREATED NW100	3	Ea.	\$13.33	\$39.99
2X6 TOP PLATES	2X6 16' KD SPRUCE	15	Ea.	\$6.08	\$91.20
	2X8 16' KD SPRUCE	8	Ea.	\$8.16	\$65.28
STUDS	2X6 10' KD SPRUCE	60	Ea.	\$3.80	\$228.00
STUDS	2X6 8' KD SPRUCE	25	Ea.	\$3.04	\$76.00
GASKET	GASKET,SILL 3/16" WHITE 5.5X82	2	RL	\$7.29	\$14.58
SMALL HEADER	2X10 8' KD SPRUCE	12	Ea.	\$6.44	\$77.28
LG. DR. HEADER	W8X18 I-BEAM PRIMED	26	LF	\$12.60	\$327.60
WALL PURLINS	1X4X16 SPRUCE (ROUGH)	75	Ea.	\$2.48	\$186.00
				Subtotal	\$1,148.49
ROOF SYSTEM					
TRUSS PACKAGE	TRUSS PACKAGE (JEFF & BONNIE BRUCE)	22	Pkg	\$250.00	\$5,500.00
TRUSS TIE DOWN	H8 UPLIFT ANCHOR	30	EA	\$0.95	\$28.50
HANGER NAILS	1-1/2" TRUSS GUSSET NAIL	8	LB	\$1.99	\$15.92
TRUSS BLOCKING	2X6 16' KD SPRUCE	5	Ea.	\$6.08	\$30.40
WEB BRACE	2X4 16' KD SPRUCE	19	Ea.	\$4.00	\$76.00
X TRUSS BRACE	2X6 16' KD SPRUCE	13	Ea.	\$6.08	\$79.04
BOT.CHORD BRACE	2X4 16' KD SPRUCE	42	Ea.	\$4.00	\$168.00
WIND BRACE	2X4 16' KD SPRUCE	12	Ea.	\$4.00	\$48.00
ROOF PURLINS	2X4 16' KD SPRUCE	145	Ea.	\$4.00	\$580.00
ROOF SHTG.METAL	29 GAUGE PREPAINTED METAL	47	SQ	\$78.00	\$3,666.00
RIDGE ROLL	PREPAINTED METAL RIDGE	60	FT	\$1.44	\$86.40
	PREP.METAL SIDEWALL FLASHING	70	FT	\$1.12	\$78.40
ROOF VENTS	PREPAINTED METAL 48 VENTS	2	EA	\$94.00	\$188.00
LRG TAB CLOSURE	FOAM CLOSURE, ULTRA VIC	41	EA	\$2.49	\$102.09
GAB. SUB FASCIA	2X4 16' KD SPRUCE	5	Ea.	\$4.00	\$20.00
EAVE SUB FASCIA	2X6 16' KD SPRUCE	8	Ea.	\$6.08	\$48.64

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Component	Description	Quantity	Unit	Price	Total
ROOF SCREWS	2"STONE GRAY WOOD GRIPS	4,000	EA	\$0.08	\$320.00
				Subtotal	\$11,035.39
	DOORS AND WINDOWS				
LARGE DOORS	12X8 T-150 O/H DOOR	2	EA	\$910.00	\$1,820.00
INNER DOOR TRIM	2X8 12' KD SPRUCE	2	Ea.	\$6.12	\$12.24
INNER DOOR TRIM	2X8 8' KD SPRUCE	4	Ea.	\$4.08	\$16.32
TRACK BACKING	2X4 10' KD SPRUCE	4	Ea.	\$2.45	\$9.80
ENTRY DR. CSNG.	PREPAINTED MAN DOOR JAMB 3.375	20	LF	\$1.04	\$20.80
LG.DR. JB. TRIM	DOOR JAMB 9 5/8RETURN W/1"FIN	60	LF	\$1.49	\$89.40
DOOR FASCIA	2X6 16' KD SPRUCE	4	Ea.	\$6.08	\$24.32
	6'X2'DBL.AWNING W/6'X3'FIXED TOP	2	EA.	\$675.00	\$1,350.00
ENTRY DOORS	DOUBLE 36 DOOR 710 VCF6	1	EA	\$1,025.00	\$1,025.00
DOOR KNOB	LOCK,ENTR FAIRFAX A501F3 VC	1	EA	\$29.99	\$29.99
				Subtotal	\$4,397.87
	NAILS AND HARDWARE				
FRAMING NLS	3 1/2 ARDOX SPIRAL	75	LB	\$0.87	\$65.25
WALL PURLIN NLS	3 1/2 ARDOX SPIRAL	25	LB	\$0.87	\$21.75
ROOF PURLIN NLS	3 1/2 ARDOX SPIRAL	50	LB	\$0.87	\$43.50
				Subtotal	\$130.50
	METAL SOFFITS & FASCIA				
GABLE FASCIA	PREPAINTED METAL 4X8 GABLE	70	FT	\$1.65	\$115.50
EAVE FASCIA	PREPAINTED METAL 8X8 EAVE	130	FT	\$1.99	\$258.70
				Subtotal	\$374.20
	SIDING				
WALL SHTG.METAL	30 GAUGE PREPAINTED METAL	16	SQ	\$78.00	\$1,248.00
WALL SCREWS	1 STONE GREY WOOD GRIPS	1,500	EA	\$0.06	\$90.00
GABLE DIVIDE	PREPAINTED METAL GABLE DIVIDER	70	FT	\$0.72	\$50.40
O.S. CORNER	PREPAINTED METAL OUTSIDE CORNE	20	FT	\$1.20	\$24.00
				Subtotal	\$1,412.40
	TRIM PACKAGE				
BASE FLASH(T)	PREPAINTED METAL SILL TRIM	150	FT	\$0.64	\$96.00
CORNER BLOCK	PREPNTD METAL CORNER CAPS	2	EA	\$11.10	\$22.20
PEAK CAP	PREPAINTED PEAK CAP	1	EA	\$15.40	\$15.40
TRIM NLS	1 1/2 BONE WHITE SIDING NAIL	1	LB	\$5.99	\$5.99
				Subtotal	\$139.59
	INTERIOR FINISH				
WALL INSUL.	R22-15" ROXUL INSUL. 39.8 SQFT	12	EA	\$27.80	\$333.60
CEILING INSUL.	R-32 CELLULOSE	3,600	SF	\$0.51	\$1,836.00
INSUL. STOP	VENT,RAFTER DOUBLE 10RM22-1/2X	21	EA	\$1.49	\$31.29
WALL POLY	POLY-SUPER 6MIL 1500 SQFT (8.6	1	EA	\$63.97	\$63.97
CEILING POLY	POLY-SUPER 6MIL 1000 SQFT (10'	3	EA	\$42.65	\$127.95

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Component	Description	Quantity	Unit	Price	Total
STAPLES	STAPLES-ARROW 5/16 T50	3	EA	\$3.49	\$10.47
CEIL.&W STRAPNG	1X4X16 SPRUCE (ROUGH)	200	Ea.	\$2.48	\$496.00
	AG-TUFF P.V.C 20'4"	40	EA	\$36.60	\$1,464.00
	AG-TUFF PVC LINER 10'2"	60	EA	\$18.30	\$1,098.00
	AG-TUFF P.V.C. 8'2"	7	EA	\$14.70	\$102.90
	AG-TUFF INS.&OUTS CORNER	20	EA	\$8.90	\$178.00
	AG-TUFF DRIP SILL	18	EA	\$3.75	\$67.50
	AG-TUFF J-TRIM	20	EA	\$5.00	\$100.00
	3/4"STAINLESS STEEL W SCREW	4,500	EA	\$0.06	\$270.00
				Subtotal	\$6,179.68

Studwall Subtotal:	\$24,818.12
GST:	\$1,489.09
Total:	\$26,307.21

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Estimate Supplied For:
JEFF & BONNIE BRUCE
RR#2 LON 1G0
Res.(519) 928-5266

Estimator: DARREN GINGRICH
Salesperson: DARREN GINGRICH
Estimate Date: December 20, 2007
Valid To: December 26, 2007 (2)
Reference:

Estimate # 13814

40 X 80 X 12

Page: 1 of 3

Component	Description	Quantity	Unit	Price	Total
STUDWALL ESTIMATE - 40'X80'X12'					
40 X 80 X 12					
WALL SYSTEM					
2X6 BOT PLATES	2X6X16 PRESSURE TREATED NW100	10	Ea.	\$13.33	\$133.30
2X6 TOP PLATES	2X6 16' KD SPRUCE	25	Ea.	\$6.08	\$152.00
STUDS	2X6 12' KD SPRUCE	105	Ea.	\$4.56	\$478.80
GASKET	GASKET,SILL 3/16" WHITE 5.5X82	2	RL	\$7.29	\$14.58
LG. DR. HEADER	2X10 18' KD SPRUCE	4	Ea.	\$18.00	\$72.00
LG. DR. HEADER	2X10 10' KD SPRUCE	6	Ea.	\$8.05	\$48.30
WALL PURLINS	1X4X16 SPRUCE (ROUGH)	85	Ea.	\$2.48	\$210.80
				Subtotal	\$1,109.78
ROOF SYSTEM					
TRUSS PACKAGE	TRUSS PACKAGE (JEFF & BONNIE BRUCE)	1	Pkg	\$3,558.00	\$3,558.00
TRUSS TIE DOWN	H8 UPLIFT ANCHOR	58	EA	\$0.95	\$55.10
HANGER NAILS	1-1/2" TRUSS GUSSET NAIL	5	LB	\$1.99	\$9.95
	2X8 20' KD SPRUCE	2	Ea.	\$15.00	\$30.00
	2X6 22' KD SPRUCE	2	Ea.	\$18.70	\$37.40
	2X6 20' KD SPRUCE	2	Ea.	\$10.00	\$20.00
	2X6 18' KD SPRUCE	2	Ea.	\$9.00	\$18.00
	2X6 16' KD SPRUCE	3	Ea.	\$6.08	\$18.24
	2X6 14' KD SPRUCE	2	Ea.	\$5.32	\$10.64
	2X6 12' KD SPRUCE	4	Ea.	\$4.56	\$18.24
	2X6 10' KD SPRUCE	2	Ea.	\$3.80	\$7.60
TRUSS BLOCKING	2X6 16' KD SPRUCE	12	Ea.	\$6.08	\$72.96
X TRUSS BRACE	2X4 16' KD SPRUCE	16	Ea.	\$4.00	\$64.00
BOT.CHORD BRACE	2X4 16' KD SPRUCE	35	Ea.	\$4.00	\$140.00
WIND BRACE	2X4 16' KD SPRUCE	16	Ea.	\$4.00	\$64.00
	2X4 16' KD SPRUCE	8	Ea.	\$4.00	\$32.00
ROOF PURLINS	2X4 16' KD SPRUCE	150	Ea.	\$4.00	\$600.00
ROOF SHTG.METAL	29 GAUGE PREPAINTED METAL	47	SQ	\$78.00	\$3,666.00
RIDGE ROLL	PREPAINTED METAL RIDGE	100	FT	\$1.44	\$144.00

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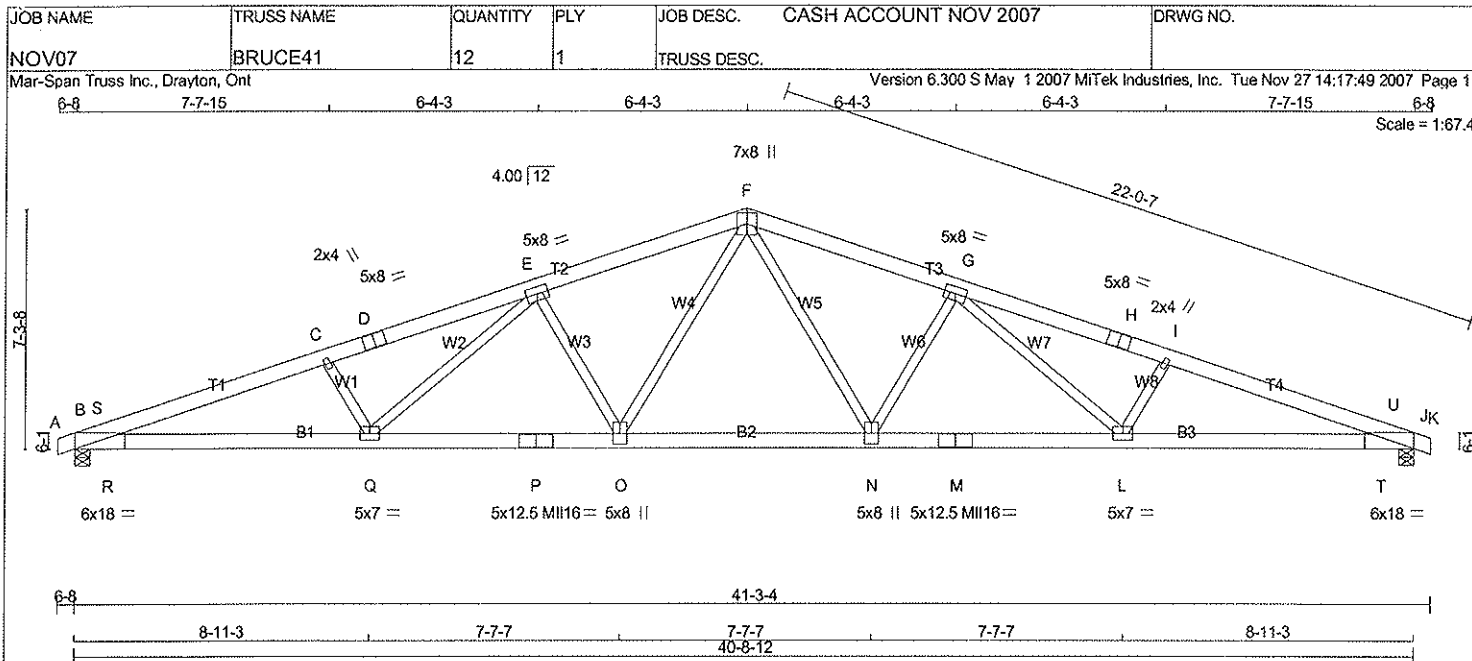
Component	Description	Quantity	Unit	Price	Total
ROOF VENTS	PREPAINTED METAL 48 VENTS	4	EA	\$94.00	\$376.00
LRG TAB CLOSURE	FOAM CLOSURE, ULTRA VIC	68	EA	\$2.10	\$142.80
GAB. SUB FASCIA	2X4 16' KD SPRUCE	6	Ea.	\$4.00	\$24.00
EAVE SUB FASCIA	2X6 16' KD SPRUCE	8	Ea.	\$6.08	\$48.64
ROOF SCREWS	2"DARK GREEN WOOD SCREWS	4,000	EA	\$0.08	\$320.00
	Subtotal				\$9,477.57
	DOORS AND WINDOWS				
INNER DOOR TRIM	2X8 16' KD SPRUCE	2	Ea.	\$8.16	\$16.32
INNER DOOR TRIM	2X8 12' KD SPRUCE	4	Ea.	\$6.12	\$24.48
INNER DOOR TRIM	2X8 8' KD SPRUCE	6	Ea.	\$4.08	\$24.48
LG.DR. JB. TRIM	DOOR JAMB 9 5/8" RETURN W/1" FIN	140	LF	\$1.67	\$233.80
DOOR FASCIA	2X6 16' KD SPRUCE	10	Ea.	\$6.08	\$60.80
	Subtotal				\$359.88
	NAILS AND HARDWARE				
FRAMING NLS	3 1/2 ARDOX SPIRAL	100	LB	\$0.87	\$87.00
WALL PURLIN NLS	3 1/2 ARDOX SPIRAL	50	LB	\$0.87	\$43.50
ROOF PURLIN NLS	3 1/2 ARDOX SPIRAL	50	LB	\$0.87	\$43.50
	Subtotal				\$174.00
	SLIDING DOOR				
	2-Sliding Double: 16X12				
	7'6"X8' NORTHLAND O/H DOOR HI-LIFT	2	EA	\$800.00	\$1,600.00
DOOR FRAMING	2X4 8' KD SPRUCE	20	Ea.	\$2.00	\$40.00
DOOR FRAMING	2X4 12' KD SPRUCE	8	Ea.	\$3.00	\$24.00
DOOR TOP/BOTTOM	2X6 8' KD SPRUCE	8	Ea.	\$3.04	\$24.32
J-CHNL DOOR	PREPAINTED DOOR CASING	170	FT	\$1.04	\$176.80
TRCK RAIL	2X6 16' KD SPRUCE	7	Ea.	\$6.08	\$42.56
TRCK	16' STUD MOUNT TRACK	4	EA	\$49.67	\$198.68
	RDTBRCB/ ROUND DOUBLE BRKT W/C	16	EA	\$8.99	\$143.84
SPLICE COLLAR	RTSCW/ ROUND TRACK SPLICE COLL	2	EA	\$4.51	\$9.02
TRCK TROLLEY	RTROB/ ROUND TRACK TROLLEY	4	PR	\$44.41	\$177.64
TRCK END CAP	PREPAINTED METAL TRACKCOVER CA	4	EA	\$4.60	\$18.40
TRCK COVER	PREPAINTED METAL TRACK COVER	70	FT	\$1.28	\$89.60
CAM LATCH	LEVER LOCK DOOR LATCH	2	PR	\$39.99	\$79.98
	CALA/ CAM LATCH	2	EA	\$14.41	\$28.82
	BOLT,CANE BLACK 305FB-R 12"	2	PK	\$9.49	\$18.98
	Subtotal				\$2,672.64
	METAL SOFFITS & FASCIA				
GABLE FASCIA	PREPAINTED METAL 4X8 GABLE	90	FT	\$1.65	\$148.50
EAVE FASCIA	PREPAINTED METAL 8X8 EAVE	90	FT	\$1.99	\$179.10
	PREPAINTED METAL FACE CAP	40	EA	\$1.26	\$50.40
	16" ALLUM. SOFFIT VENTED WHITE	4	EA	\$14.59	\$58.36

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Component	Description	Quantity	Unit	Price	Total
	PREPAINTED COMM INSIDE CORNER	40	LF	\$1.44	\$57.60
				Subtotal	\$493.96
	SIDING				
WALL SHTG.METAL	30 GAUGE PREPAINTED METAL	31	SQ	\$78.00	\$2,418.00
WALL SCREWS	1" TILE RED WOOD SCREW	3,000	EA	\$0.06	\$180.00
GABLE DIVIDE	PREPAINTED METAL GABLE DIVIDER	80	FT	\$0.72	\$57.60
O.S. CORNER	PREPAINTED METAL OUTSIDE CORNE	40	FT	\$1.20	\$48.00
	PREPAINTED METAL INSIDE CORNER	20	FT	\$0.56	\$11.20
				Subtotal	\$2,714.80
	TRIM PACKAGE				
BASE FLASH(T)	PREPAINTED METAL SILL TRIM	160	FT	\$0.64	\$102.40
CORNER BLOCK	PREPNTD METAL CORNER CAPS	4	EA	\$11.10	\$44.40
PEAK CAP	PREPAINTED PEAK CAP	2	EA	\$15.40	\$30.80
TRIM NLS	1 1/2 BONE WHITE SIDING NAIL	1	LB	\$5.99	\$5.99
				Subtotal	\$183.59

Studwall Subtotal:	\$17,186.22
GST:	\$1,031.17
Total:	\$18,217.39

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LUMBER N. L. G. A. RULES **CHORDS** **SIZE** **LUMBER** **DESCR.** **FACTORED** **GROSS REACTION** **MAXIMUM FACTORED** **INPUT** **REQD** **DESIGN CRITERIA** **SPECIFIED LOADS:** **TOP CH. LL = 42.4 PSF** **DL = 4.0 PSF** **BOT CH. LL = 0.0 PSF** **NBCC LL = 0.0 PSF** **DL = 7.0 PSF** **TOTAL LOAD = 53.4 PSF** **SPACING = 48.0 IN./C** **THIS TRUSS IS DESIGNED FOR FARM AND LOW HUMAN OCCUPANCY BUILDING REQUIREMENTS OF NFBC 1995** **THIS DESIGN COMPLIES WITH:** **- CSA 086-01** **- TPIC 1996 (LSD)** **- C.C.M.C. ACCEPTANCE NO.:** **11996-L, 10319-L** **12116-L, 12940-L, 12939-L** **DESIGN ASSUMPTIONS** **- SLIPPERY ROOFING MATERIAL AS PER NFBC 2.2.2. IS USED** **63 % OF 54.3 P.S.F. G.S.I. PLUS** **8.4 P.S.F. RAIN LOAD EQUALS** **42.4 P.S.F. SPECIFIED ROOF LIVE LOAD** **ALLOWABLE DEFL. = L/360 (1.36")** **CALCULATED VERT. DEFL.(LL) = L/597 (0.82")** **CSI: TC=0.99 (C-S:1), BC=0.84 (L-N:1), WB=0.93 (E-O:2), SSI=0.54 (F-G:3)** **DOL LUMBER=1.00 NAIL=1.00 LS** **BEND=1.10 COMP=1.10 SHEAR=1.10** **TENS=1.10** **IMPORTANCE FACTOR=0.80** **TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.** **NAIL VALUES** **PLATE GRIP(DRY) SHEAR SECTION** **(PSI) (PLI) (PLI)** **MAX MIN MAX MIN MAX MIN** **MI120 618 354 1667 822 2284 1656** **MI116 473 276 2341 1245 4454 1656** **PLATE PLACEMENT TOL. = 0.25 inches** **DO NOT USE THIS DESIGN IF THE DESIGN CRITERIA LISTED ABOVE DO NOT MEET PROJECT OR LOCAL BUILDING CODE REQUIREMENTS.**

CHORDS	SIZE	LUMBER	DESCR.
A - D	2 X 6	DRY	2100F 1.8E SPF
D - F	2 X 6	DRY	2100F 1.8E SPF
F - H	2 X 6	DRY	2100F 1.8E SPF
H - K	2 X 6	DRY	2100F 1.8E SPF
B - P	2 X 6	DRY	2100F 1.8E SPF
P - M	2 X 6	DRY	1650F 1.5E SPF
M - J	2 X 6	DRY	2100F 1.8E SPF

ALL WEBS 2 X 4 DRY No.2 SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

UT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MI120	6.0	18.0	0.25	
C	TMW+w	MI120	2.0	4.0		
D	TS-I	MI120	5.0	8.0		
E	TMWW-t	MI120	5.0	8.0		
F	TTWW+p	MI120	7.0	8.0		
G	TMWW-t	MI120	5.0	8.0		
H	TS-I	MI120	5.0	8.0		
I	TMW+w	MI120	2.0	4.0		
J	TMB1-I	MI120	6.0	18.0	0.25	
L	BMWW-t	MI120	5.0	7.0		
M	BS-I	MI116	5.0	12.5		
N	BMWW+t	MI120	5.0	8.0		
O	BMWW-t	MI120	5.0	8.0		
P	BS-I	MI116	5.0	12.5		
Q	BMWW-t	MI120	5.0	7.0		

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

FACTORED GROSS REACTION			MAXIMUM FACTORED GROSS REACTION			INPUT BRG	REQD BRG
JT	VERT	HORZ	DOWN	HORZ	UPLIFT	IN-SX	IN-SX
B	5404	0	5404	292	-1401	5-8	5-14
J	5404	0	5404	0	-1401	5-8	5-14

PROVIDE ANCHORAGE AT BEARING JOINT B FOR 1401 LBS. FACTORED UPLIFT
PROVIDE ANCHORAGE AT BEARING JOINT J FOR 1401 LBS. FACTORED UPLIFT

NOTE: ANCHORAGE REQUIRED FOR LARGE UPLIFT FORCES, SHALL BE PROVIDED BY BUILDG. DESIGNER

PROVIDE FOR 292 LBS. FACTORED HORIZONTAL REACTION AT JOINT B

UNFACTORED GROSS REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS				
JT	COMBINED	SNOW	LIVE	WIND	DEAD	NBCC
B	4466	3560 / 0	0 / 0	0 / -1810	906 / 0	0 / 0
J	4466	3560 / 0	0 / 0	0 / -1810	906 / 0	0 / 0

BEARING MATERIAL TO BE OF SPF NO. 2 OR BETTER

BRACING

MAX. UNBRACED TOP CHORD LENGTH = 2.05FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 5.43FT. OR RIGID CEILING DIRECTLY APPLIED.

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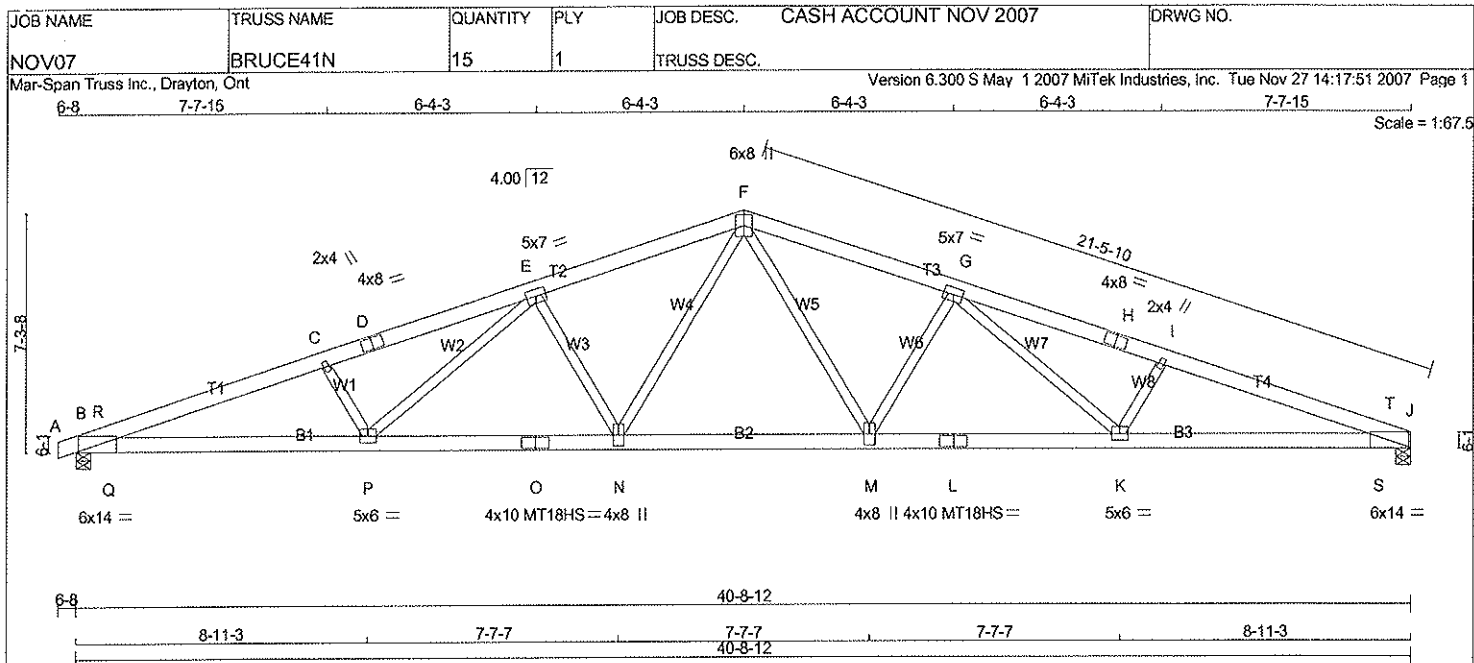
LOAD CASE (1) OF (11)

CHORDS	FACTORED	MEMB. FORCE	VERT. LOAD	MAX	MAX	WEBS	FACTORED	MEMB. FORCE	MAX
FR-TO	FROM TO	(LBS)	(PLF)	CSI (LC)	UNBRAC LENGTH	FR-TO	FROM TO	(LBS)	CSI (LC)
A - B	18T	-223.6	-223.6	0.02 (2)	10.00	C - Q	1421C	0.21 (2)	
B - S	13609C	-223.6	-223.6	0.59 (1)	2.86	Q - E	2312T	0.43 (8)	
S - C	13469C	-223.6	-223.6	0.99 (1)	2.05	E - O	2520C	0.93 (2)	
C - D	12781C	-223.6	-223.6	0.93 (1)	2.28	O - F	2870T	0.73 (5)	
D - E	12781C	-223.6	-223.6	0.93 (1)	2.28	F - N	2870T	0.73 (9)	
E - F	9788C	-223.6	-223.6	0.79 (1)	2.85	N - G	2520C	0.93 (3)	
F - G	9788C	-223.6	-223.6	0.79 (1)	2.85	G - L	2312T	0.43 (9)	
G - H	12781C	-223.6	-223.6	0.93 (1)	2.28	L - I	1421C	0.21 (3)	
H - I	12781C	-223.6	-223.6	0.93 (1)	2.28	R - S	419C	0.00 (1)	
I - U	13469C	-223.6	-223.6	0.99 (1)	2.05	T - U	419C	0.00 (1)	
U - J	13609C	-223.6	-223.6	0.59 (1)	2.86				
J - K	18T	-223.6	-223.6	0.02 (3)	10.00				
B - R	12799T	-35.0	-35.0	0.79 (1)	5.43				
R - Q	12799T	-35.0	-35.0	0.83 (1)	5.43				
Q - P	10443T	-35.0	-35.0	0.84 (1)	5.77				
P - O	10443T	-35.0	-35.0	0.84 (1)	5.77				
O - N	7846T	-35.0	-35.0	0.65 (1)	6.25				
N - M	10443T	-35.0	-35.0	0.84 (1)	5.96				
M - L	10443T	-35.0	-35.0	0.84 (1)	5.96				

MI **MiTek Canada, Inc.**
100 Industrial Road
Bradford, Ontario, L3Z 3G7



CONTINUED ON PAGE 2



TOTAL WEIGHT = 15 X 247 = 3706 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
A - D	2 X 6	DRY 1650F 1.5E	SPF
D - F	2 X 6	DRY 1650F 1.5E	SPF
F - H	2 X 6	DRY 1650F 1.5E	SPF
H - J	2 X 6	DRY 1650F 1.5E	SPF
B - O	2 X 6	DRY 1650F 1.5E	SPF
O - L	2 X 6	DRY 1650F 1.5E	SPF
L - J	2 X 6	DRY 1650F 1.5E	SPF

ALL WEBS 2 X 4 DRY No.2 SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

BT	TYPE	PLATES	W	LEN	Y	X
B	TMB1-I	MI120	6.0	14.0	Edge	
C	TMW+w	MI120	2.0	4.0		
D	TS-t	MI120	4.0	8.0		
E	TMWW-t	MI120	5.0	7.0		
F	TTWW+p	MI120	6.0	8.0		
G	TMWW-t	MI120	6.0	7.0		
H	TS-t	MI120	4.0	8.0		
I	TMW+w	MI120	2.0	4.0		
J	TMB1-I	MI120	6.0	14.0	Edge	
K	BMWW-t	MI120	5.0	6.0		
L	BS-t	MT18H&O	10.0			
M	BMWW-t	MI120	4.0	8.0		
N	BMWW-t	MI120	4.0	8.0		
O	BS-t	MT18H&O	10.0			
P	BMWW-t	MI120	5.0	6.0		

Edge - INDICATES REFERENCE CORNER OF PLATE TOUCHES EDGE OF CHORD.

DIMENSIONS, SUPPORTS AND LOADINGS SPECIFIED BY FABRICATOR TO BE VERIFIED BY BUILDING DESIGNER

BEARINGS

	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG
JT	VERT	HORZ	DOWN	HORZ
B	4232	0	4232	199
J	4122	0	4122	0

PROVIDE ANCHORAGE AT BEARING JOINT B FOR 934 LBS. FACTORED UPLIFT
PROVIDE ANCHORAGE AT BEARING JOINT J FOR 906 LBS. FACTORED UPLIFT

NOTE: ANCHORAGE REQUIRED FOR LARGE UPLIFT FORCES, SHALL BE PROVIDED BY BUILDG. DESIGNER

PROVIDE FOR 199 LBS. FACTORED HORIZONTAL REACTION AT JOINT B

UNFACTORED GROSS REACTIONS

JT	1ST LCASE	MAX./MIN. COMPONENT REACTIONS	SNOW	LIVE	WIND	DEAD	NBCC
B	3502	2898/0	0/0	0/0	0/-1208	604/0	0/0
J	3410	2813/0	0/0	0/0	0/-1178	597/0	0/0

BEARING MATERIAL TO BE OF SPF NO. 2 OR BETTER

BRACING

MAX. UNBRACED TOP CHORD LENGTH = 2.33FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 5.94FT. OR RIGID CEILING DIRECTLY APPLIED.

LOADING

LOAD CASE (1) OF (11)

CHORDS					WEBS		
FACTORED		FACTORED			FACTORED		
MEMB.	FORCE	VERT.	LOAD	MAX	MEMB.	FORCE	
	(LBS)	(PLF)		MAX		MAX	
FR-TO		FROM TO		UNBRAC	FR-TO	CSI (LC)	
				LENGTH			
A - B	15T	-179.1	-179.1	0.02 (2)	10.00	C - P	1136C 0.17 (2)
B - R	10853C	-179.1	-179.1	0.52 (1)	3.04	P - E	1796T 0.33 (2)
R - C	10550C	-179.1	-179.1	0.92 (1)	2.33	E - N	1997C 0.74 (2)
C - D	9999C	-179.1	-179.1	0.87 (1)	2.50	N - F	2234T 0.49 (5)
D - E	9999C	-179.1	-179.1	0.87 (1)	2.50	F - M	2234T 0.49 (7)
E - F	7657C	-179.1	-179.1	0.74 (1)	3.01	M - G	1997C 0.74 (3)
F - G	7657C	-179.1	-179.1	0.74 (1)	3.01	G - K	1796T 0.33 (3)
G - H	9999C	-179.1	-179.1	0.87 (1)	2.50	K - I	1136C 0.17 (3)
H - I	9999C	-179.1	-179.1	0.87 (1)	2.50	Q - R	362C 0.00 (1)
I - T	10550C	-179.1	-179.1	0.92 (1)	2.33	S - T	362C 0.00 (1)
T - J	10653C	-179.1	-179.1	0.52 (1)	3.04		
B - Q	10025T	-23.3	-23.3	0.93 (1)	5.94		
Q - P	10025T	-23.3	-23.3	0.95 (1)	5.94		
P - O	8180T	-23.3	-23.3	0.67 (1)	6.25		
O - N	8180T	-23.3	-23.3	0.67 (1)	6.25		
N - M	6142T	-23.3	-23.3	0.50 (1)	6.25		
M - L	8180T	-23.3	-23.3	0.67 (1)	6.25		
L - K	8180T	-23.3	-23.3	0.67 (1)	6.25		
K - S	10025T	-23.3	-23.3	0.95 (1)	6.08		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL	= 51.8 PSF
DL	= 4.0 PSF
BOT CH. LL	= 0.0 PSF
NBCC LL	= 0.0 PSF
DL	= 7.0 PSF
TOTAL LOAD	= 62.8 PSF

SPACING = 32.0 IN./C/C

THIS TRUSS IS DESIGNED FOR FARM AND LOW HUMAN OCCUPANCY BUILDING REQUIREMENTS OF NFBCC 1995

THIS DESIGN COMPLIES WITH:

- CSA 086-01
- TPIC 1996 (LSD)
- C.C.M.C. ACCEPTANCE NO.: 11996-L, 10319-L, 12116-L, 12940-L, 12939-L

80 % OF 54.3 P.S.F. G.S.L. PLUS 8.4 P.S.F. RAIN LOAD EQUALS 51.8 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL. = L/360 (1.36")
CALCULATED VERT. DEFL.(LL) = L/624 (0.78")

CSI: TC=0.92 (C-R:1), BC=0.95 (P-Q:1), WB=0.74 (E-N:2), SSI=0.44 (F-G:3)

DOL LUMBER=1.00 NAIL=1.00 LS
BEND=1.10 COMP=1.10 SHEAR=1.10
TENS=1.10
IMPORTANCE FACTOR=0.80

TRUSS PLATE MANUFACTURER IS NOT RESPONSIBLE FOR QUALITY CONTROL IN THE TRUSS MANUFACTURING PLANT.

NAIL VALUES

PLATE	GRIP(DRY)	SHEAR	SECTION
(PSI)	(PLI)	(PLI)	(PLI)
MAX	MIN	MAX	MIN
MI120	618	354	1667
MT18HS	580	354	2729

PLATE PLACEMENT TOL. = 0.25 inches

DO NOT USE THIS DESIGN IF THE DESIGN CRITERIA LISTED ABOVE DO NOT MEET PROJECT OR LOCAL BUILDING CODE REQUIREMENTS.

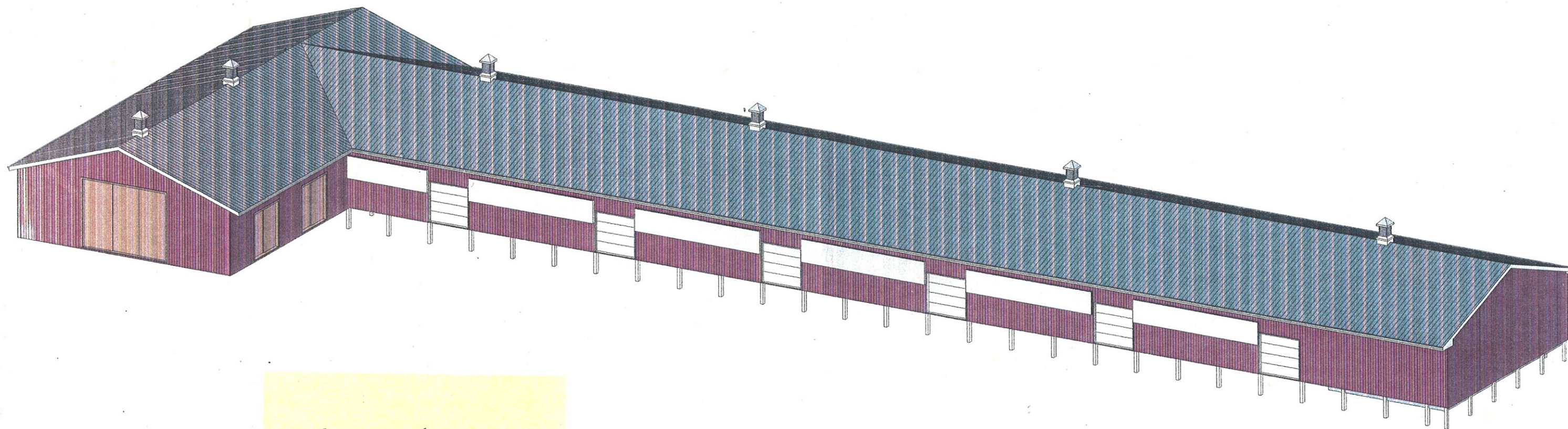
WHEN THIS DESIGN IS SEALED AND SIGNED, MITEK CANADA INC. APPROVES ONLY THE STRUCTURAL DESIGN OF THE TRUSS AS AN INDIVIDUAL COMPONENT BASED ON THE DATA PROVIDED BY THE CUSTOMER AND SHOWN ON THIS DRAWING.



MiTek Canada, Inc.
100 Industrial Road
Bradford, Ontario, L3Z 3G7



CONTINUED ON PAGE 2



JAN 8/08
9.00 A.M
JACK
CRUTTENDEN

Jeff Bruce

