

LUMBER

N. L. G. A. RULES

CHORDS	SIZE	LUMBER	DESCR.
1 - 9	2x4	DRY	No.2
10 - 9	2x4	DRY	No.2
1 - 10	2x4	DRY	No.2

ALL WEBS 2x4 DRY No.2 SPF

ALL GABLE WEBS 2x4 DRY No.2 SPF

DRY: SEASONED LUMBER.

GABLE STUDS SPACED AT 2-0-0 OC.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
1	TBM1-h	MT20	3.0	4.0	
2, 3, 4, 5, 6, 7, 8					
9	TMW+w	MT20	1.5	4.0	
2	TMV+p	MT20	1.5	4.0	
10	BMV1+p	MT20	1.5	4.0	
11, 12, 13, 14, 15, 16, 17					
11	BMW1+w	MT20	1.5	4.0	

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

BEARINGS

THIS TRUSS DESIGNED FOR CONTINUOUS BEARINGS.

THIS TRUSS REQUIRES RIGID SHEATHING ON EXPOSED FACE.

PROVIDE ANCHORAGE AT ALL BEARING JOINTS FOR 150 LBS FACTORED UPLIFT EXCEPT 11:213 LBS, 12:185 LBS, 13:191 LBS, 14:181 LBS, 15:219 LBS, 17:446 LBS.

PROVIDE FOR 680 LBS FACTORED HORIZONTAL REACTION AT JOINT

HORIZONTAL REACTIONS

1ST LCASE	MAX./MIN. COMPONENT REACTIONS						
	COMBINED	SNOW	LIVE	PERM LIVE	WIND	DEAD	SOIL
1	---	0/0	0/0	0/0	486/0	0/0	0/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S)

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.

MAX. UNBRACED BOTTOM CHORD LENGTH = 6.25 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE LATERALLY RESTRAINED.

LOADING

TOTAL LOAD CASES: (12)

MEMB.	CHORDS			WEBS		
	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF)	LC1 MAX CSI (LC)	MAX. MEMB. UNBRAC LENGTH FR-TO	MAX. FACTORED FORCE (LBS)	MAX. MEMB. UNBRAC LENGTH FR-TO
1-19	-582 / 0	-72.9	-72.9 0.04 (12)	6.25	11-8	-165 / 241
19-2	-520 / 0	-72.9	-72.9 0.18 (7)	6.25	12-7	-141 / 208
2-3	-430 / 0	-72.9	-72.9 0.18 (7)	6.25	13-6	-147 / 215
3-4	-398 / 0	-72.9	-72.9 0.05 (7)	6.25	14-5	-141 / 208
4-5	-344 / 0	-72.9	-72.9 0.05 (7)	6.25	15-4	-162 / 235
5-6	-294 / 42	-72.9	-72.9 0.04 (7)	6.25	16-3	-74 / 123
6-7	-243 / 86	-72.9	-72.9 0.05 (5)	6.25	17-2	-303 / 417
7-8	-193 / 129	-72.9	-72.9 0.07 (5)	6.25	18-19	-119 / 247
8-9	-135 / 200	-72.9	-72.9 0.08 (5)	6.25		
10-9	-60 / 97	0.0	0.0 0.40 (5)	7.81		
1-18	-127 / 191	-17.0	-17.0 0.17 (5)	6.25		
18-17	-127 / 191	-17.0	-17.0 0.17 (5)	6.25		
17-16	-118 / 203	-17.0	-17.0 0.09 (1)	6.25		
16-15	-116 / 206	-17.0	-17.0 0.05 (5)	6.25		
15-14	-114 / 210	-17.0	-17.0 0.03 (5)	6.25		
14-13	-112 / 212	-17.0	-17.0 0.04 (5)	6.25		
13-12	-110 / 215	-17.0	-17.0 0.03 (5)	6.25		
12-11	-109 / 217	-17.0	-17.0 0.04 (5)	6.25		
11-10	-107 / 219	-17.0	-17.0 0.04 (5)	6.25		

WIND LOAD APPLIED IS DERIVED FROM REFERENCE VELOCITY PRESSURE OF (14.2) PSF AT (40-0-0) FT-IN-SX REFERENCE HEIGHT ABOVE GRADE AND USING EXTERNAL PEAK COEFFICIENTS, CpCg, BASED ON THE (MAIN WIND FORCE RESISTING SYSTEM). INTERNAL WIND PRESSURE IS BASED ON DESIGN (CATEGORY 2). BUILDING MAY BE LOCATED ON (OPEN TERRAIN), AND TRUSS IS DESIGNED TO BE LOCATED AT LEAST (0-0) FT-IN-SX AWAY FROM EAVE. TRUSS UPLIFT IS BASED ON TOP AND BOTTOM CHORD DEAD LOADS OF 5.0 PSF AND 7.0 PSF RESPECTIVELY.

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH. LL = 20.9 PSF

DL = 5.0 PSF

BOT CH. LL = 0.0 PSF

DL = 7.0 PSF

TOTAL LOAD = 32.9 PSF

SPACING = 23.3 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2015

THIS DESIGN COMPLIES WITH:

- PART 9 OF BCBC 2018 , NBC-2019AE
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(75 % OF 25.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.40/1.00 (9-10:5) , BC=0.17/1.00 (1-18:5) , WB=0.06/1.00 (8-11:1) , SS=0.16/1.00 (2-19:5)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

NAIL VALUES

PLATE GRIP(DRY) SHEAR SECTION (PSI) (PL) (PL)

MAX MIN MAX MIN

MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

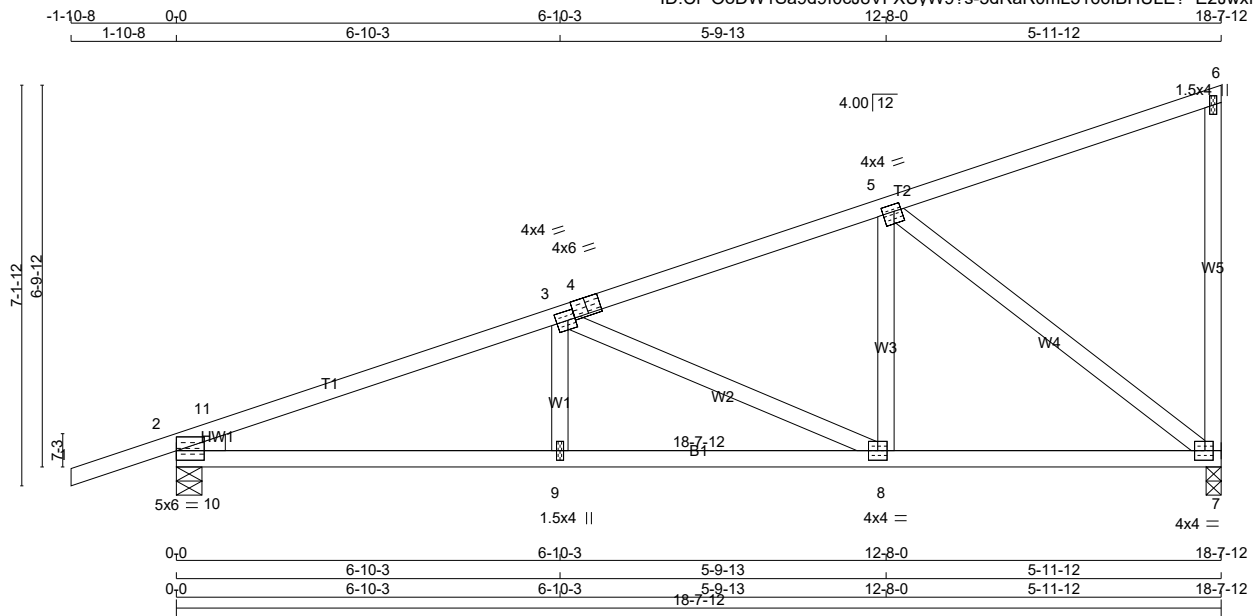
PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.51 (6) (INPUT = 0.90)

JSI METAL = 0.26 (10) (INPUT = 1.00)

TOTAL WEIGHT = 2 X 77 = 153 lb

Scale = 1:36.1



TOTAL WEIGHT = 6 X 76 = 459 lb [M]F

LUMBER
 N. L. G. A. RULES
 CHORDS SIZE LUMBER DESCR.
 1 - 4 2x4 DRY No.2 SPF
 4 - 6 2x4 DRY No.2 SPF
 7 - 6 2x4 DRY No.2 SPF
 2 - 7 2x4 DRY No.2 SPF
 ALL WEBS 2x4 DRY No.2 SPF
 DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
2	TMBMH1-t	MT20	5.0	6.0	2.00	
3	TMWW-t	MT20	4.0	4.0	2.00	1.50
4	TS-t	MT20	4.0	6.0	Edge	3.00
5	TMWW-t	MT20	4.0	4.0	1.50	1.50
6	TMV+p	MT20	1.5	4.0		
7	BMVW1-t	MT20	4.0	4.0	2.00	1.75
8	BMVW1-t	MT20	4.0	4.0		
9	BMV+w	MT20	1.5	4.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION	MAXIMUM FACTORED GROSS REACTION	INPUT BRG	REQRD BRG	HEEL WEDGE
7	864 0	864 0	-853 3-4	3-4	
2	1009 0	1009 754	-904 5-8	5-8	2x4 L

PROVIDE ANCHORAGE AT BEARING JOINT 7 FOR 853 LBS FACTORED UPLIFT
 PROVIDE ANCHORAGE AT BEARING JOINT 2 FOR 904 LBS FACTORED UPLIFT

PROVIDE FOR 754 LBS FACTORED HORIZONTAL REACTION AT JOINT

UNFACTORED REACTIONS

JT	1ST CASE COMBINED	MAX./MIN. SNOW LIVE	MAX. PERM. LIVE	WIND	DEAD	SOIL
7	613	390/0	0/0	0/0	0/-753	224/0
2	713	470/0	0/0	0/0	0/-802	243/0

HORIZONTAL REACTIONS

JT	FACTORED	UNFACTORED	WIND	DEAD	SOIL
2	---	0/0	0/0	539/0	0/0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) 7, 2

BRACING
 TOP CHORD TO BE SHEATHED OR MAX. PURLINE SPACING = 4.78 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 5.32 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

LOADING

TOTAL LOAD CASES: (12)

MEMB.	CHORDS			WEBS		
	MAX. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	MAX. CSI (LC)	MEMB. LENGTH	MAX. FORCE (LBS)	MAX. CSI (LC)
FR-TO		FROM TO		FR-TO		
1-2	0 / 13	-75.2 -75.2	0.19 (1)	10.00	9-3	0 / 113
2-11	-1792 / 1326	-75.2 -75.2	0.50 (5)	4.78	3-8	-752 / 845
11-3	-1644 / 1450	-75.2 -75.2	0.58 (5)	4.93	8-5	-256 / 424
3-4	-953 / 865	-75.2 -75.2	0.59 (5)	6.09	5-7	-1067 / 1137
4-5	-953 / 865	-75.2 -75.2	0.59 (5)	6.09	10-11	0 / 244
5-6	-189 / 158	-75.2 -75.2	0.49 (5)	6.25		
7-6	-179 / 223	0.0	0.0	4.8 (5)	7.81	
2-10	-1477 / 1539	-17.5	-17.5	0.30 (1)	5.32	
10-9	-1477 / 1539	-17.5	-17.5	0.31 (1)	5.32	
9-8	-1477 / 1539	-17.5	-17.5	0.33 (1)	5.38	
8-7	-717 / 851	-17.5	-17.5	0.22 (12)	6.25	

WIND LOAD APPLIED IS DERIVED FROM REFERENCE VELOCITY PRESSURE OF (14.2) PSF AT (40-0-0) FT-IN-SX REFERENCE HEIGHT ABOVE GRADE AND USING EXTERNAL PEAK COEFFICIENTS, CpCq, BASED ON THE (MAIN WIND FORCE RESISTING SYSTEM) INTERNAL WIND PRESSURE IS BASED ON DESIGN (CATEGORY 2). BUILDING MAY BE LOCATED ON (OPEN TERRAIN), AND TRUSS IS DESIGNED TO BE LOCATED AT LEAST (0-0) FT-IN-SX AWAY FROM EAVE. TRUSS UPLIFT IS BASED ON TOP AND BOTTOM CHORD DEAD LOADS OF 5.0 PSF AND 7.0 PSF RESPECTIVELY.

DESIGN CRITERIA

SPECIFIED LOADS:
 TOP CH. LL = 20.9 PSF
 DL = 5.0 PSF
 BOT CH. LL = 0.0 PSF
 DL = 7.0 PSF
 TOTAL LOAD = 32.9 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR RESIDENTIAL OR SMALL BUILDING REQUIREMENTS OF PART 9, NBCC 2015

THIS DESIGN COMPLIES WITH:
 - PART 9 OF BCBC 2018, NBC-2019AE
 - PART 9 OF OBC 2012 (2019 AMENDMENT)
 - CSA 086-14
 - TPIC 2014

(75% OF 25.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD)
 EQUALS 20.9 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL) = L/360 (0.62")
 CALCULATED VERT. DEFL.(LL) = L/999 (0.07")
 ALLOWABLE DEFL.(TL) = L/360 (0.62")
 CALCULATED VERT. DEFL.(TL) = L/999 (0.10")

CSI: TC=0.59/1.00 (3-5-5), BC=0.33/1.00 (8-9-1),
 WB=0.80/1.00 (5-7-1), SSI=0.26/1.00 (5-6-5)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10
 SHEAR=1.10 TENS= 1.10

COMPANION LIVE LOAD FACTOR = 1.00

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

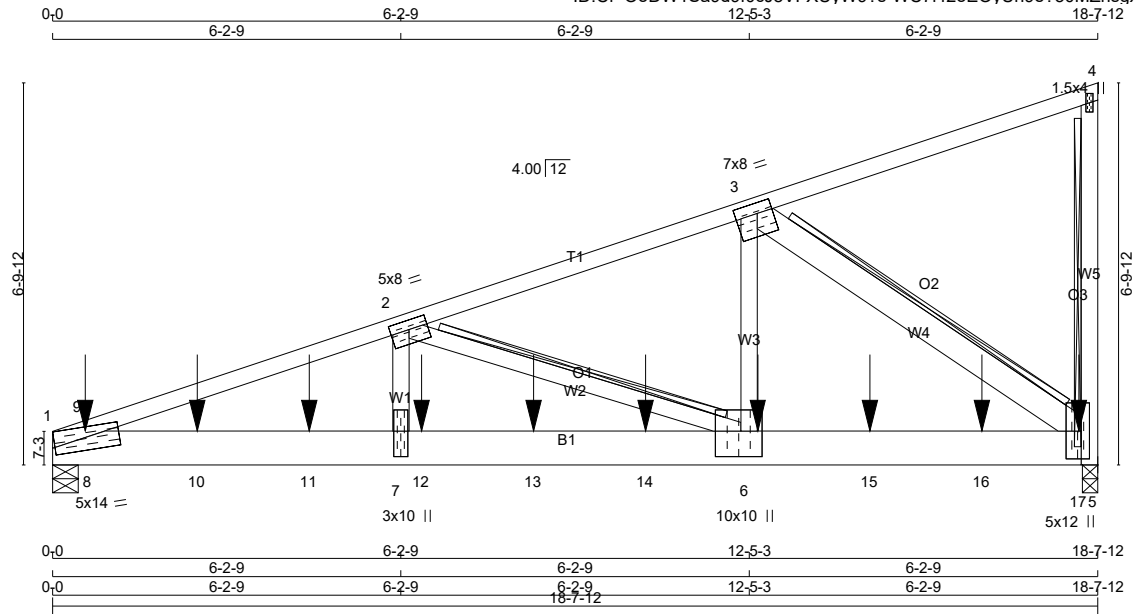
NAIL VALUES

PLATE	GRIP(DRY)	SHEAR (PSI)	SECTION (PLI)
MT20	650	371	1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (2) (INPUT = 0.90)
 JSI METAL = 0.50 (4) (INPUT = 1.00)



TOTAL WEIGHT = 6 X 99 = 596 lb

LUMBER

N. L. G. A. RULES	CHORDS	SIZE	LUMBER	DESCR.
1 - 4	2x4	DRY	2100F 1.8E	SPF
5 - 4	2x4	DRY	No.2	SPF
1 - 5	2x8	DRY	1950F 1.7E	SPF
ALL WEBS EXCEPT 3 - 5				
2x4	DRY	No.2	SPF	
2x6	DRY	No.2	SPF	

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 3 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS #ROWS	SURFACE SPACING (IN)	LOAD (PLF)
TOP CHORDS : 10D (0.120"x3") NAILS		
1-4	12	TOP
4-5	12	TOP
BOTTOM CHORDS : 10D (0.120"x3") NAILS		
1-5	4	SIDE(1048.8)
WEBS : 10D (0.120"x3") NAILS		
2x4	6	
2x6	6	

STAGGER NAILS BY HALF THE SURFACE SPACING IN ADJACENT PLIES.

GIRDER NAILING ASSUMES NAILED HANGERS ARE FASTENED WITH MIN. 3-0 INCH NAILS.

TOP - COMPONENTS ARE LOADED FROM THE TOP AND MUST BE PLACED ON TOP EDGE OF ALL PLIES FOR THE LOAD TO BE TRANSFERRED TO EACH PLY.

SIDE - PLF SHOWN IS THE EQUIVALENT UDL APPLIED TO ONE SIDE THAT THE CORRESPONDING NAILING PATTERN SHALL BE CAPABLE OF TRANSFERING. REMAINING PLF MUST BE APPLIED ON THE OPPOSITE SIDE OR ON THE TOP.

PLATES (table is in inches)

JT TYPE	PLATES	W	LEN	Y	X
1	TMB1-m	MT20	5.0	14.0	Edge
2	TMWW-t	MT20	5.0	8.0	2.00 4.00
3	TMWW-t	MT20	7.0	8.0	2.25 3.25
4	TMV+p	MT20	1.5	4.0	
5	BMVW1+p	MT20	5.0	12.0	6.00 3.25
6	BMWW+t	MT20	10.0	10.0	5.50 4.50
7	BMW+w	MT20	3.0	10.0	5.50 1.50

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	FACTORED GROSS REACTION HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	INPUT BRG	REQRD BRG
1	10692	0	10788	719	-9147 5-8
5	11189	0	11285	0	-9655 3-4

PROVIDE ANCHORAGE AT BEARING JOINT 1 FOR 9147 LBS FACTORED UPLIFT
 PROVIDE ANCHORAGE AT BEARING JOINT 5 FOR 9655 LBS FACTORED UPLIFT

PROVIDE FOR 719 LBS FACTORED HORIZONTAL REACTION AT JOINT

UNFACTORED REACTIONS

JT	1ST CASE COMBINED	MAX SNOW	MIN LIVE	PERM LIVE	WIND	DEAD	SOIL
1	7564	5012/0	0/0	0/0	0/-7940	2616/0	0/0
5	7916	5241/0	0/0	0/0	0/-8369	2739/0	0/0

HORIZONTAL REACTIONS

JT	---	0/0	0/0	0/0	513/0	0/0	0/0
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BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) 1
 SUPPORT MUST HAVE A MINIMUM 1300 PSI FACTORED BEARING RESISTANCE AT JOINT(S) 5

BRACING
 MAX. UNBRACED TOP CHORD LENGTH = 2.73 FT.
 MAX. UNBRACED BOTTOM CHORD LENGTH = 4.77 FT OR RIGID CEILING DIRECTLY APPLIED.

ALL PITCH BREAKS AND PERIMETER CORNER JOINTS MUST BE Laterally RESTRAINED.

2x6 DRY SPF No.2 T-BRACE AT 4-5, 2-6, 3-5

FASTEN T AND I-BRACES TO NARROW EDGE OF WEB WITH ONE ROW PER PLY OF 3" COMMON WIRE NAILS @ 6" O.C. WITH 3" MINIMUM END DISTANCE. BRACE MUST COVER 90% OF WEB LENGTH.

END VERTICAL(S) MUST BE SHEATHED OR HAVE BRACES AS INDICATED IN THE MAX. UNBRACED LENGTH COLUMN OF THE TABLE BELOW

LOADING

TOTAL LOAD CASES: (18)

CHORDS				WEBS			
MEMB.	MAX. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LC1 MAX. CSI (LC) UNBRAC	MEMB.	MAX. FORCE (LBS)	FACTORED VERT. LOAD (PLF)	FACTORED LC1 MAX. CSI (LC) UNBRAC
FR-TO				FR-TO			
1-9	-22703 / 19086	-78.9	-78.9 0.50 (3)	2.73	7-2	-4714 / 5675	0.47 (3)
9-2	-21093 / 17898	-78.9	-78.9 0.67 (3)	2.87	2-6	-9415 / 8155	0.66 (3)
2-3	-11726 / 10007	-78.9	-78.9 0.34 (11)	4.19	6-3	-9013 / 10721	0.86 (3)
3-4	-187 / 151	-78.9	-78.9 0.13 (11)	6.25	3-5	-13536 / 11679	0.81 (3)
5-4	-214 / 223	0.0	0.0 0.15 (11)	7.81	8-9	-3118 / 3941	0.00 (1)
1-8	-17099 / 20011	-17.5	-17.5 0.41 (3)	4.99			
8-10	-17099 / 20011	-17.5	-17.5 0.77 (3)	4.80			
10-11	-17099 / 20011	-17.5	-17.5 0.77 (3)	4.80			
11-7	-17099 / 20011	-17.5	-17.5 0.77 (3)	4.80			
7-12	-17099 / 20011	-17.5	-17.5 0.84 (3)	4.77			
12-13	-17099 / 20011	-17.5	-17.5 0.84 (3)	4.77			
13-14	-17099 / 20011	-17.5	-17.5 0.84 (3)	4.77			
14-6	-17099 / 20011	-17.5	-17.5 0.84 (3)	4.77			
6-15	-9417 / 11143	-17.5	-17.5 0.66 (3)	5.99			
15-16	-9417 / 11143	-17.5	-17.5 0.66 (3)	5.99			
16-17	-9417 / 11143	-17.5	-17.5 0.66 (3)	5.99			
17-5	-9417 / 11143	-17.5	-17.5 0.66 (3)	5.99			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
6	12-7-0	-2007	-2007	1712	BACK	VERT	TOTAL	---	C1
8	7-0	-2011	-2011	1711	BACK	VERT	TOTAL	---	C1
10	2-7-0	-2007	-2007	1712	BACK	VERT	TOTAL	---	C1
11	4-7-0	-2007	-2007	1712	BACK	VERT	TOTAL	---	C1
12	6-7-0	-2007	-2007	1712	BACK	VERT	TOTAL	---	C1
13	8-7-0	-2007	-2007	1712	BACK	VERT	TOTAL	---	C1
14	10-7-0	-2007	-2007	1712	BACK	VERT	TOTAL	---	C1

DESIGN CRITERIA

SPECIFIED LOADS:
 TOP CH. LL = 22.2 PSF
 DL = 5.0 PSF
 BOT CH. LL = 0.0 PSF (*)
 DL = 7.0 PSF
 TOTAL LOAD = 34.1 PSF

SPACING = 24.0 IN. C/C

THIS TRUSS IS DESIGNED FOR COMMERCIAL OR INDUSTRIAL BUILDING REQUIREMENTS OF PART 4, NBCCC 2015

THIS DESIGN COMPLIES WITH:
 - PART 4 OF BCBC 2018, NBC-2019AE
 - PART 4 OF OBC 2012 (2019 AMENDMENT)
 - CSA 086-14
 - TPIC 2014
 (*)- BC LL SPECIFIED BY FABRICATOR, DOES NOT COMPLY WITH NBC TABLE 4.1.5.3. LOADING TO BE VERIFIED BY BUILDING DESIGNER

DESIGN ASSUMPTIONS
 - SLOPE REDUCTION FACTOR USED

(80% OF 25.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD)
 TIMES IMPORTANCE FACTOR = EQUALS 22.2 P.S.F.
 SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.62")
 CALCULATED VERT. DEFL.(LL) = L/ 999 (0.19")
 ALLOWABLE DEFL.(TL)= L/180 (1.24")
 CALCULATED VERT. DEFL.(TL) = L/ 990 (0.23")

CSI: TC=0.67/1.00 (2-9-3), BC=0.84/1.00 (6-7-3),
 WB=0.86/1.00 (3-6-3), SSI=0.93/1.00 (5-6-3)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.10 COMP=1.10
 SHEAR=1.10 TENS=1.10

SNOW LOAD IMPORTANCE FACTOR = 1.00
 WIND LOAD IMPORTANCE FACTOR = 1.00
 COMPANION LIVE LOAD FACTOR = 1.00

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
 MT20 650 371 1747 788 1987 1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (2) (INPUT = 0.90)
 JSI METAL= 1.00 (3) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
J22-2281-A	G01	2	3	TRUSS DESC.	

Structural Truss Systems, Fort Macleod, Ben Grisnich

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FACTORED CONCENTRATED LOADS (LBS)

JT	LOC	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
15	14-7-0	-2007	-2007	1712	BACK	VERT	TOTAL	--	C1
16	16-7-0	-2007	-2007	1712	BACK	VERT	TOTAL	--	C1
17	18-3-12	-2013	-2013	1709	BACK	VERT	TOTAL	--	C1

CONNECTION REQUIREMENTS

1) C1: A SUITABLE HANGER/MECHANICAL CONNECTION IS REQUIRED.

TRUSS HAS BEEN CHECKED FOR UNBALANCED LOADING AS PER NBCC 4.1.6.2.(8)

WIND LOAD APPLIED IS DERIVED FROM REFERENCE VELOCITY PRESSURE OF (14.2) PSF AT (40-0-0) FT-IN-SX REFERENCE HEIGHT ABOVE GRADE AND USING EXTERNAL PEAK COEFFICIENTS, CpCg, BASED ON THE (MAIN WIND FORCE RESISTING SYSTEM). INTERNAL WIND PRESSURE IS BASED ON DESIGN (CATEGORY 2). BUILDING MAY BE LOCATED ON (OPEN TERRAIN), AND TRUSS IS DESIGNED TO BE LOCATED AT LEAST (0-0) FT-IN-SX AWAY FROM EAVE. TRUSS UPLIFT IS BASED ON TOP AND BOTTOM CHORD DEAD LOADS OF 5.0 PSF AND 5.0 PSF RESPECTIVELY.