JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	C1	3	1	Wood Creek Const. TRUSS DESC.	1 of 75 **C1X**

KAMLOOPS TRUSS LTD., Kamloops, BC V2H 1G3

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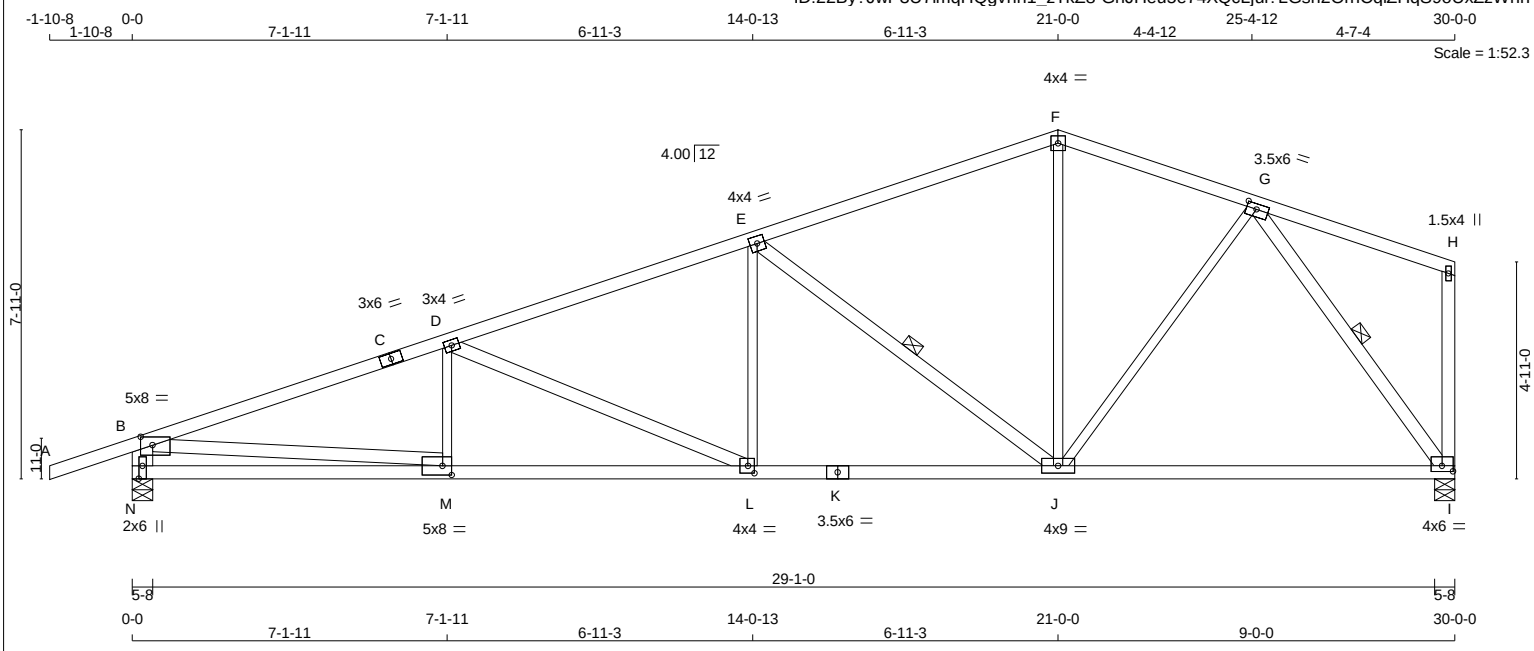

TOTAL WEIGHT = 3 X 130 = 391 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	2100F 1.8E	SPF
C - F	2x4	DRY	2100F 1.8E	SPF
F - H	2x4	DRY	1650F 1.5E	SPF
I - H	2x4	DRY	1650F 1.5E	SPF
N - B	2x6	DRY	1650F 1.5E	SPF
N - K	2x4	DRY	1650F 1.5E	SPF
K - I	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x4	DRY	1650F 1.5E	SPF
M - D	2x3	DRY	No.2	SPF
L - E	2x3	DRY	No.2	SPF
J - F	2x3	DRY	No.2	SPF
J - G	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	2.25	3.25
C	TS-t	MT20	3.0	6.0		
D	TMWW-t	MT20	3.0	4.0		
E	TMWW-t	MT20	4.0	4.0		
F	TTW-p	MT20	4.0	4.0		
G	TMWW-t	MT20	3.5	6.0	1.50	2.75
H	TMV+p	MT20	1.5	4.0		
I	BMVW1-t	MT20	4.0	6.0	1.50	3.00
J	BMWWW-t	MT20	4.0	9.0		
K	BS-t	MT20	3.5	6.0		
L	BMWW-t	MT20	4.0	4.0	2.00	1.75
M	BMWW-t	MT20	5.0	8.0	2.50	2.50

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
N	2621	0	2621	0	0	5-8	3-0
I	2353	0	2353	0	0	5-8	2-9

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
N	1811	1431 / 0	0 / 0	0 / 0	0 / 0	379 / 0	0 / 0
I	1629	1269 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.31 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 - 1x4 LATERAL BRACE(S) AT 1/ 2 LENGTH OF E-J. DBS = 16-0-0 . CBF = 187 LBS.
1 - 1x4 LATERAL BRACE(S) AT 1/ 2 LENGTH OF G-I. DBS = 12-0-0 . CBF = 191 LBS.

DBS = DIAGONAL BRACE SPACING (MAX). CBF = CUMULATIVE BRACING FORCE (PER BRACE). FASTEN LATERAL BRACE(S) USING (0.122"X3") SPIRAL NAILS : 1 NAIL FOR 2x3 BRACE(S), 2 FOR 1x4, 2x4, 2x5, 3 FOR 2x6, 4 FOR 2x8, 5 FOR 2x10, AND 6 FOR 2x12.

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: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 MAX (PLF) FROM	TO	CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 42	-139.4	-139.4	0.23 (1)	10.00
B- C	-4716 / 0	-139.4	-139.4	0.78 (1)	3.31
C- D	-4716 / 0	-139.4	-139.4	0.78 (1)	3.31
D- E	-3630 / 0	-139.4	-139.4	0.58 (1)	3.97
E- F	-2100 / 0	-139.4	-139.4	0.55 (1)	4.90
F- G	-2093 / 0	-139.4	-139.4	0.32 (1)	4.93
G- H	0 / 24	-139.4	-139.4	0.39 (1)	10.00
I- H	-240 / 0	0.0	0.0	0.07 (1)	7.81
N- B	-2565 / 0	0.0	0.0	0.10 (1)	7.23
N- M	0 / 0	-17.5	-17.5	0.17 (4)	10.00
M- L	0 / 4501	-17.5	-17.5	0.59 (1)	10.00
L- K	0 / 3445	-17.5	-17.5	0.55 (1)	10.00
K- J	0 / 3445	-17.5	-17.5	0.55 (1)	10.00
J- I	0 / 1511	-17.5	-17.5	0.32 (1)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
M- D	-259 / 74	0.05 (1)
D- L	-1150 / 0	0.71 (1)
L- E	0 / 565	0.13 (1)
E- J	-1866 / 0	0.51 (1)
J- F	0 / 683	0.15 (1)
J- G	0 / 766	0.17 (1)
G- I	-2546 / 0	0.50 (1)
B- M	0 / 4517	0.53 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.00")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.22")
ALLOWABLE DEFL.(TL)= L/360 (1.00")
CALCULATED VERT. DEFL.(TL) = L/ 967 (0.37")

CSI: TC=0.78/1.00 (B-D:1) , BC=0.59/1.00 (L-M:1) , WB=0.71/1.00 (D-L:1) , SSI=0.43/1.00 (B-D:1)

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

AUTOSOLVE HEELS OFF

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

NAIL VALUES

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

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (G) (INPUT = 0.90)
JSI METAL= 0.86 (K) (INPUT = 1.00)

CONTINUED ON PAGE 2

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
N	BMV1+p	MT20	2.0	6.0	Edge	1.00

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

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	C2	2	1	Wood Creek Const. TRUSS DESC.	3 of 75 **C2X**

KAMLOOPS TRUSS LTD., Kamloops, BC V2H 1G3

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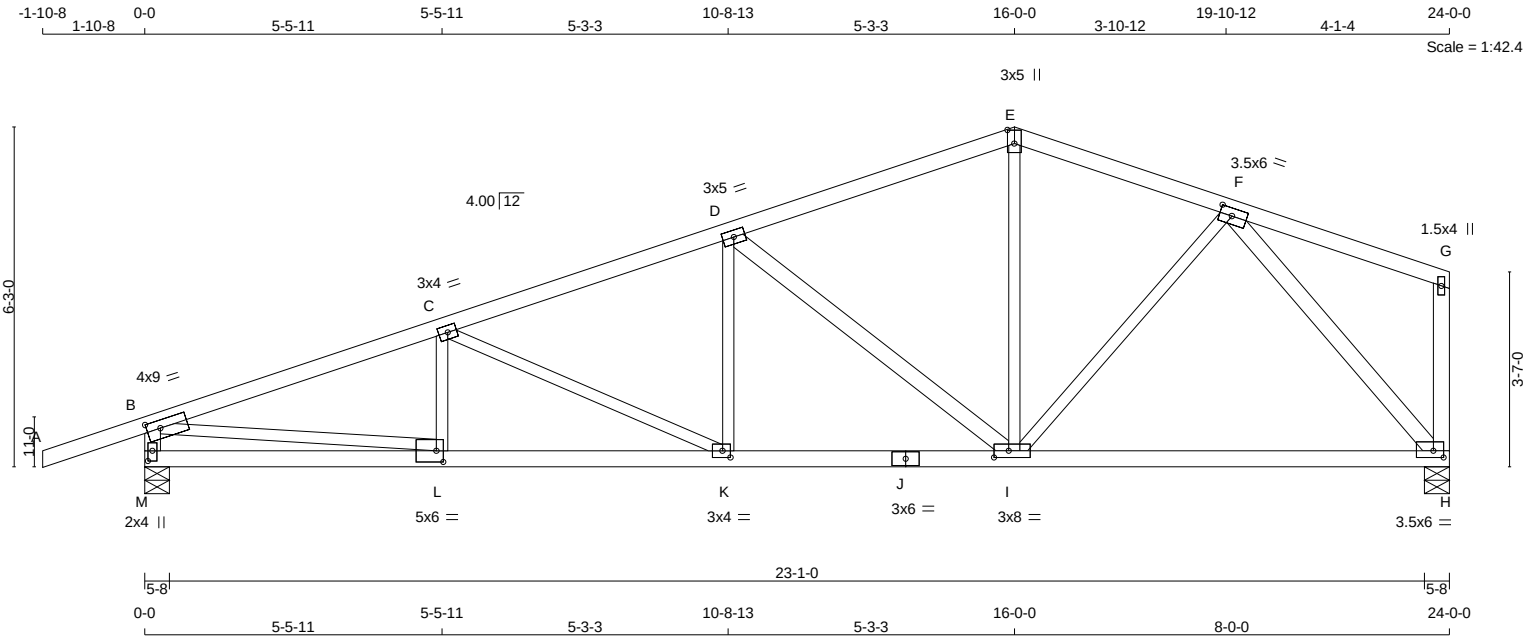


TOTAL WEIGHT = 2 X 99 = 199 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - E	2x4	DRY	1650F 1.5E	SPF
E - G	2x4	DRY	1650F 1.5E	SPF
M - B	2x4	DRY	1650F 1.5E	SPF
H - G	2x4	DRY	1650F 1.5E	SPF
M - J	2x4	DRY	1650F 1.5E	SPF
J - H	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
D - I	2x4	DRY	1650F 1.5E	SPF
F - H	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	4.0	9.0	1.75	3.00
C	TMWW-t	MT20	3.0	4.0		
D	TMWW-t	MT20	3.0	5.0		
E	TTW+p	MT20	3.0	5.0	3.00	1.50
F	TMWW-t	MT20	3.5	6.0	1.75	2.75
G	TMV+p	MT20	1.5	4.0		
H	BMVW1-t	MT20	3.5	6.0	1.50	2.25
I	BMWWW-t	MT20	3.0	8.0	1.50	3.25
J	BS-t	MT20	3.0	6.0		
K	BMWW-t	MT20	3.0	4.0	1.50	1.75
L	BMWW-t	MT20	5.0	6.0	2.50	1.50
M	BMV1+p	MT20	2.0	4.0	2.25	1.00

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
M	2150	0	2150	0	0	5-8	3-8
H	1883	0	1883	0	0	5-8	2-1

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1485	1178 / 0	0 / 0	0 / 0	0 / 0	307 / 0	0 / 0
H	1303	1015 / 0	0 / 0	0 / 0	0 / 0	288 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.78 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM (PLF)	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 42	-139.4	-139.4	0.30 (1)	10.00	L- C	-294 / 38	0.05 (1)
B- C	-3565 / 0	-139.4	-139.4	0.50 (1)	3.78	C- K	-711 / 0	0.41 (1)
C- D	-2904 / 0	-139.4	-139.4	0.39 (1)	4.26	K- D	0 / 380	0.09 (1)
D- E	-1818 / 0	-139.4	-139.4	0.38 (1)	5.11	D- I	-1346 / 0	0.60 (1)
E- F	-1816 / 0	-139.4	-139.4	0.25 (1)	5.29	I- E	0 / 627	0.14 (1)
F- G	0 / 21	-139.4	-139.4	0.30 (1)	10.00	I- F	0 / 470	0.11 (1)
M- B	-2102 / 0	0.0	0.0	0.13 (1)	6.58	B- L	0 / 3423	0.77 (1)
H- G	-214 / 0	0.0	0.0	0.03 (1)	7.81	F- H	-2132 / 0	0.71 (1)
M- L	0 / 0	-17.5	-17.5	0.09 (4)	10.00			
L- K	0 / 3401	-17.5	-17.5	0.46 (1)	10.00			
K- J	0 / 2756	-17.5	-17.5	0.43 (1)	10.00			
J- I	0 / 2756	-17.5	-17.5	0.43 (1)	10.00			
I- H	0 / 1396	-17.5	-17.5	0.27 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.80")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.15")
ALLOWABLE DEFL.(TL)= L/360 (0.80")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.25")

CSI: TC=0.50/1.00 (B-C:1) , BC=0.46/1.00 (K-L:1) , WB=0.77/1.00 (B-L:1) , SSI=0.33/1.00 (B-C:1)

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

AUTOSOLVE LEFT HEEL ONLY

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

NAIL VALUES

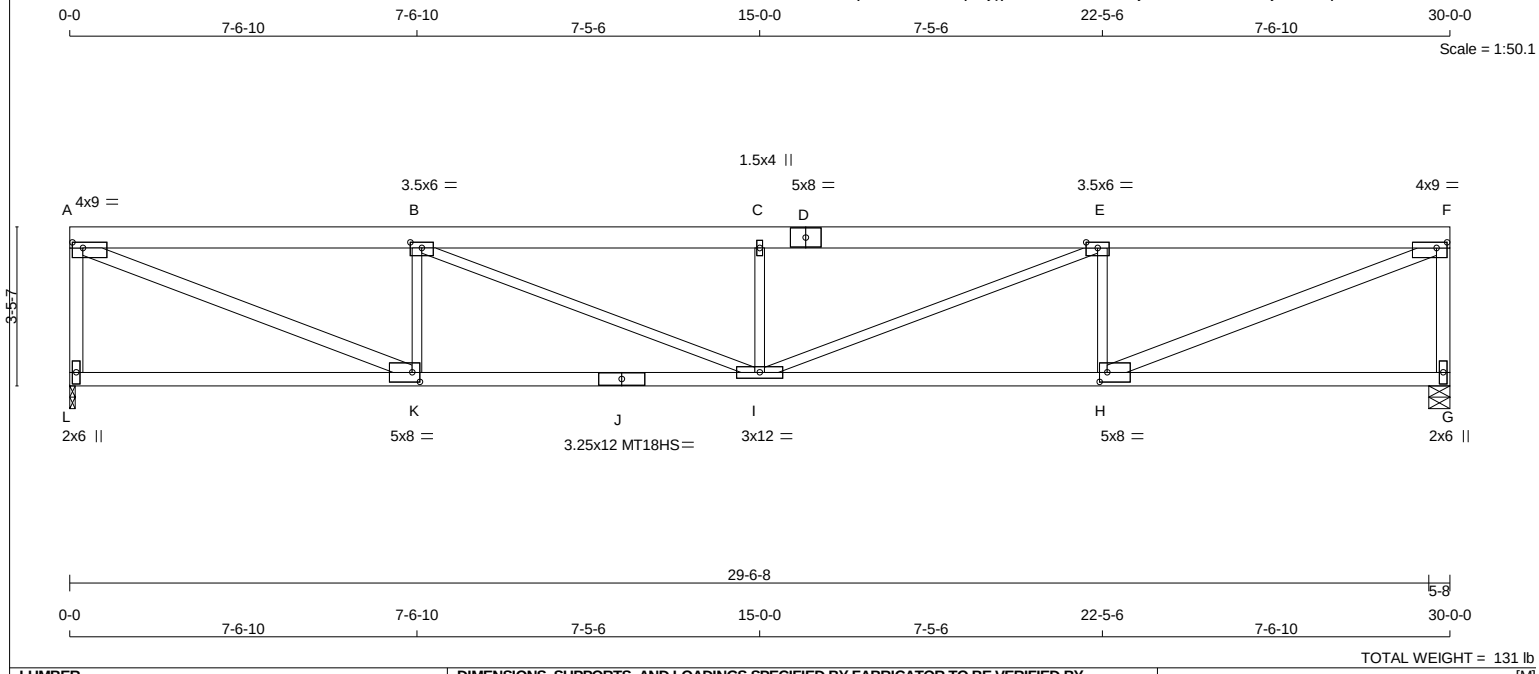
PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (M) (INPUT = 0.90)
JSI METAL= 0.80 (J) (INPUT = 1.00)

03/29/2020



TOTAL WEIGHT = 131 lb [M]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
L - A	2x4	DRY	1650F 1.5E	SPF
A - D	2x6	DRY	1650F 1.5E	SPF
D - F	2x6	DRY	1650F 1.5E	SPF
G - F	2x4	DRY	1650F 1.5E	SPF
L - J	2x4	DRY	1650F 1.5E	SPF
J - G	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
A - K	2x4	DRY	1650F 1.5E	SPF
H - F	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	4.0	9.0	1.50	2.75
B	TMWW-t	MT20	3.5	6.0	1.50	3.00
C	TMW+w	MT20	1.5	4.0		
D	TS-t	MT20	5.0	8.0		
E	TMWW-t	MT20	3.5	6.0	1.50	3.00
F	TMVW-t	MT20	4.0	9.0	1.50	2.75
G	BMV1+p	MT20	2.0	6.0		
H	BMWW-t	MT20	5.0	8.0	2.50	2.00
I	BMWWW-t	MT20	3.0	12.0		
J	BS-t	MT18HS	3.25	12.0		
K	BMWW-t	MT20	5.0	8.0	2.50	2.00
L	BMV1+p	MT20	2.0	6.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
L	2353	0	2353	0	0	1-8	
G	2353	0	2353	0	0	5-8	4-2

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	1629	1269 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0
G	1629	1269 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.77 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
L- A	-2297 / 0	0.0	0.0	0.27 (1)	6.35	A- K	0 / 4949	0.58 (1)
A- B	-4583 / 0	-139.4	-139.4	0.44 (1)	4.22	K- B	-1720 / 0	0.33 (1)
B- C	-5888 / 0	-139.4	-139.4	0.49 (1)	3.77	B- I	0 / 1412	0.32 (1)
C- D	-5888 / 0	-139.4	-139.4	0.49 (1)	3.77	I- C	-958 / 0	0.18 (1)
D- E	-5888 / 0	-139.4	-139.4	0.49 (1)	3.77	I- E	0 / 1412	0.32 (1)
E- F	-4583 / 0	-139.4	-139.4	0.44 (1)	4.22	H- E	-1720 / 0	0.33 (1)
G- F	-2297 / 0	0.0	0.0	0.27 (1)	6.35	H- F	0 / 4949	0.58 (1)
L- K	0 / 0	-17.5	-17.5	0.20 (4)	10.00			
K- J	0 / 4583	-17.5	-17.5	0.62 (1)	10.00			
J- I	0 / 4583	-17.5	-17.5	0.62 (1)	10.00			
I- H	0 / 4583	-17.5	-17.5	0.62 (1)	10.00			
H- G	0 / 0	-17.5	-17.5	0.20 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.00")
CALCULATED VERT. DEFL.(LL) = L/ 987 (0.36")
ALLOWABLE DEFL.(TL)= L/360 (1.00")
CALCULATED VERT. DEFL.(TL) = L/ 610 (0.59")

CSI: TC=0.49/1.00 (B-C:1) , BC=0.62/1.00 (H-I:1) , WB=0.58/1.00 (A-K:1) , SSI=0.38/1.00 (E-F:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873
MT18HS	586	403	2455	1382	3163	3004

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (A) (INPUT = 0.90)
JSI METAL= 0.88 (J) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	G1	1	1	Wood Creek Const. TRUSS DESC.	5 of 75

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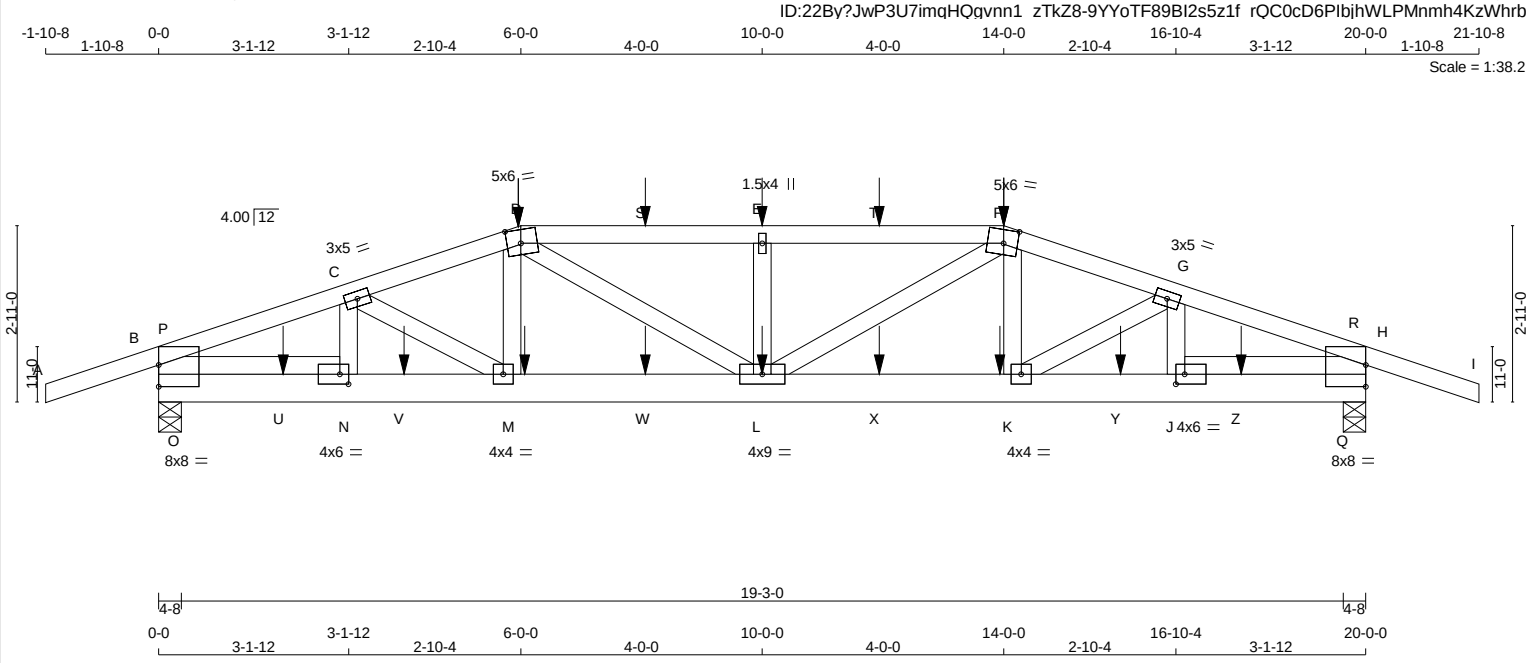

TOTAL WEIGHT = 97 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	1650F 1.5E	SPF
D - F	2x4	DRY	1650F 1.5E	SPF
F - I	2x4	DRY	1650F 1.5E	SPF
B - H	2x6	DRY	1650F 1.5E	SPF
REINFORCING MEMBERS				
HW1	2x4	DRY	1650F 1.5E	SPF
HW2	2x4	DRY	1650F 1.5E	SPF
ALL WEBS	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMBMW1-l	MT20	8.0	8.0	4.25	
C	TMWW-t	MT20	3.0	5.0		
D	TTWW-m	MT20	5.0	6.0	2.75	2.75
E	TMW+w	MT20	1.5	4.0		
F	TTWW-m	MT20	5.0	6.0	2.75	2.75
G	TMWW-t	MT20	3.0	5.0		
H	TMBMW1-l	MT20	8.0	8.0	4.25	
J	BMWW-t	MT20	4.0	6.0	2.00	1.75
K	BMWW-t	MT20	4.0	4.0		
L	BMWWW-t	MT20	4.0	9.0		
M	BMWW-t	MT20	4.0	4.0		
N	BMWW-t	MT20	4.0	6.0	2.00	1.75

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
B	2689	0	2689	0	0	4-8	2-15
H	2689	0	2689	0	0	4-8	2-15

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	1861	1447 / 0	0 / 0	0 / 0	0 / 0	414 / 0	0 / 0
H	1861	1447 / 0	0 / 0	0 / 0	0 / 0	414 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.81 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 7	-139.4	-139.4	0.32 (1)	10.00
B- P	-3124 / 0	-139.4	-139.4	0.20 (1)	4.27
P- C	-4412 / 0	-139.4	-139.4	0.27 (1)	3.63
C- D	-4821 / 0	-139.4	-139.4	0.28 (1)	3.48
D- S	-5432 / 0	-139.4	-139.4	0.68 (1)	2.81
S- E	-5432 / 0	-139.4	-139.4	0.68 (1)	2.81
E- T	-5432 / 0	-139.4	-139.4	0.68 (1)	2.81
T- F	-5432 / 0	-139.4	-139.4	0.68 (1)	2.81
F- G	-4821 / 0	-139.4	-139.4	0.28 (1)	3.48
G- R	-4412 / 0	-139.4	-139.4	0.27 (1)	3.63
R- H	-3124 / 0	-139.4	-139.4	0.20 (1)	4.27
H- I	0 / 7	-139.4	-139.4	0.32 (1)	10.00
B- O	0 / 1543	-17.5	-17.5	0.18 (1)	10.00
O- U	0 / 1543	-17.5	-17.5	0.25 (1)	10.00
U- N	0 / 1543	-17.5	-17.5	0.25 (1)	10.00
N- V	0 / 4178	-17.5	-17.5	0.47 (1)	10.00
V- M	0 / 4178	-17.5	-17.5	0.47 (1)	10.00
M- W	0 / 4565	-17.5	-17.5	0.46 (1)	10.00
W- L	0 / 4565	-17.5	-17.5	0.46 (1)	10.00
L- X	0 / 4565	-17.5	-17.5	0.46 (1)	10.00
X- K	0 / 4565	-17.5	-17.5	0.46 (1)	10.00
K- Y	0 / 4178	-17.5	-17.5	0.47 (1)	10.00
Y- J	0 / 4178	-17.5	-17.5	0.47 (1)	10.00
J- Z	0 / 1542	-17.5	-17.5	0.25 (1)	10.00
Z- Q	0 / 1542	-17.5	-17.5	0.25 (1)	10.00
Q- H	0 / 1542	-17.5	-17.5	0.18 (1)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
N- C	-748 / 0	0.05 (1)
C- M	0 / 451	0.06 (1)
M- D	0 / 110	0.02 (4)
D- L	0 / 1027	0.13 (1)
L- E	-1076 / 0	0.09 (1)
L- F	0 / 1027	0.13 (1)
K- F	0 / 110	0.02 (4)
K- G	0 / 451	0.06 (1)
J- G	-748 / 0	0.05 (1)
O- P	0 / 487	0.00 (1)
P- N	0 / 2702	0.35 (1)
Q- R	0 / 487	0.00 (1)
R- J	0 / 2702	0.35 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.67")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.18")
ALLOWABLE DEFL.(TL)= L/360 (0.67")
CALCULATED VERT. DEFL.(TL) = L/ 826 (0.29")

CSI: TC=0.68/1.00 (D-E:1) , BC=0.47/1.00 (M-N:1) , WB=0.35/1.00 (J-R:1) , SSI=0.39/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (N) (INPUT = 0.90)
JSI METAL= 0.68 (B) (INPUT = 1.00)

CONTINUED ON PAGE 2

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
D	6-0-0	-483	-483	---	FRONT	VERT	TOTAL	---	C1
E	10-0-0	-174	-174	---	FRONT	VERT	TOTAL	---	C1
F	14-0-0	-483	-483	---	FRONT	VERT	TOTAL	---	C1
K	13-11-4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
L	10-0-0	-25	-25	---	FRONT	VERT	TOTAL	---	C1
M	6-0-12	-25	-25	---	FRONT	VERT	TOTAL	---	C1
S	8-0-12	-174	-174	---	FRONT	VERT	TOTAL	---	C1
T	11-11-4	-174	-174	---	FRONT	VERT	TOTAL	---	C1
U	2-0-12	-20	-22	---	FRONT	VERT	TOTAL	---	C1
V	4-0-12	-25	-25	---	FRONT	VERT	TOTAL	---	C1
W	8-0-12	-25	-25	---	FRONT	VERT	TOTAL	---	C1
X	11-11-4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
Y	15-11-4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
Z	17-11-4	-20	-22	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	G2	1	1	Wood Creek Const. TRUSS DESC.	7 of 75 **G2X**

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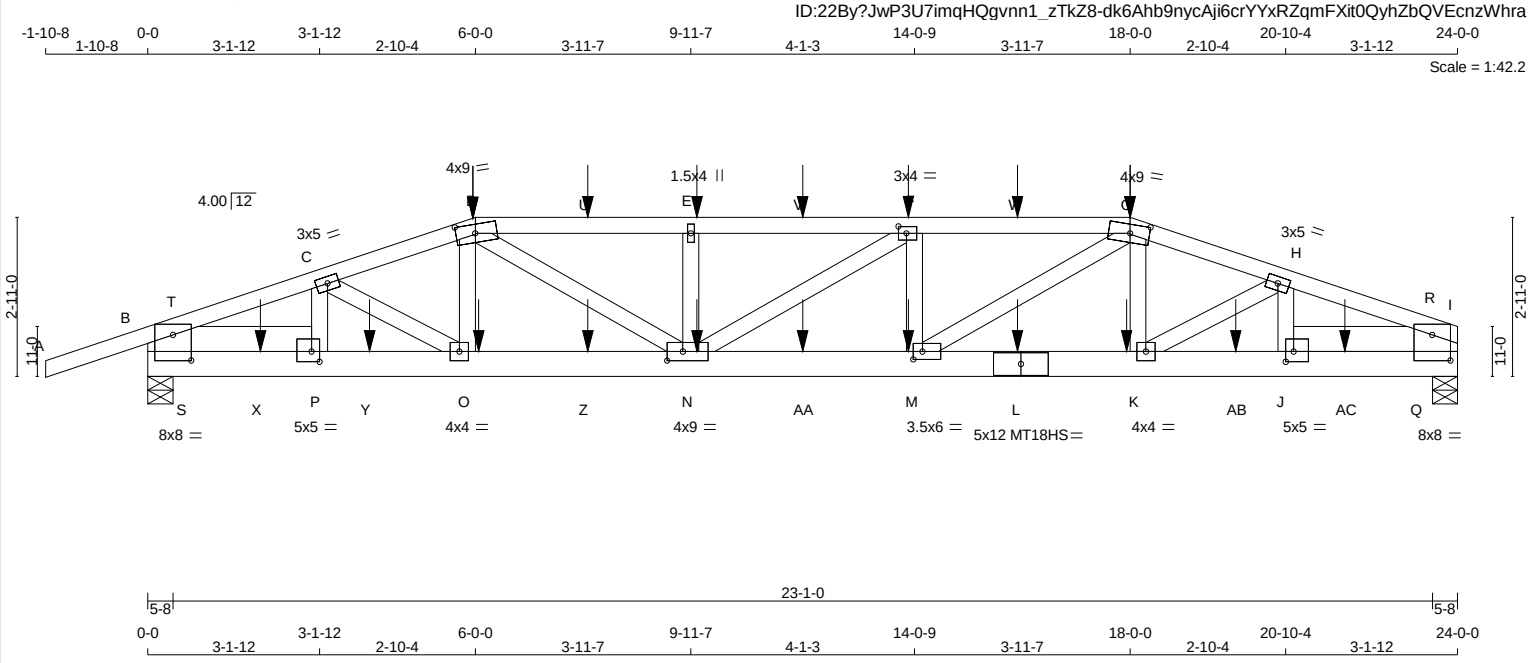

TOTAL WEIGHT = 118 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	1650F 1.5E	SPF
D - G	2x4	DRY	1650F 1.5E	SPF
G - I	2x4	DRY	1650F 1.5E	SPF
B - L	2x6	DRY	1650F 1.5E	SPF
L - I	2x6	DRY	1650F 1.5E	SPF
REINFORCING MEMBERS				
HW1	2x6	DRY	1650F 1.5E	SPF
HW2	2x6	DRY	1650F 1.5E	SPF
ALL WEBS	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMBMW1-l	MT20	8.0	8.0	5.75	4.00
C	TMWW-t	MT20	3.0	5.0		
D	TTWW-m	MT20	4.0	9.0	2.00	4.25
E	TMW+w	MT20	1.5	4.0		
F	TMWW-t	MT20	3.0	4.0	1.50	1.75
G	TTWW-m	MT20	4.0	9.0	2.00	4.25
H	TMWW-t	MT20	3.0	5.0		
I	TMBMW1-l	MT20	8.0	8.0	5.75	4.00
J	BMWW-t	MT20	5.0	5.0	2.25	1.75
K	BMWW-t	MT20	4.0	4.0		
L	BS-t	MT18HS	5.0	12.0		
M	BMWW-t	MT20	3.5	6.0	1.75	2.00
N	BMWWW-t	MT20	4.0	9.0	2.00	3.50
O	BMWW-t	MT20	4.0	4.0		
P	BMWW-t	MT20	5.0	5.0	2.25	1.75

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
I	2934	0	2934	0	0	5-8	3-3
B	3201	0	3201	0	0	5-8	3-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
I	2035	1560 / 0	0 / 0	0 / 0	0 / 0	475 / 0	0 / 0
B	2217	1722 / 0	0 / 0	0 / 0	0 / 0	494 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.28 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 7	-139.4	-139.4	0.32 (1)	10.00	P- C	-900 / 0	0.07 (1)
B- T	-3716 / 0	-139.4	-139.4	0.11 (1)	4.08	C- O	0 / 626	0.08 (1)
T- C	-5507 / 0	-139.4	-139.4	0.24 (1)	3.31	O- D	-75 / 87	0.02 (4)
C- D	-6088 / 0	-139.4	-139.4	0.36 (1)	3.05	D- N	0 / 1930	0.25 (1)
D- U	-7396 / 0	-139.4	-139.4	0.78 (1)	2.28	N- E	-969 / 0	0.08 (1)
U- E	-7396 / 0	-139.4	-139.4	0.78 (1)	2.28	N- F	-43 / 0	0.01 (1)
E- V	-7396 / 0	-139.4	-139.4	0.76 (1)	2.34	M- F	-959 / 0	0.08 (1)
V- F	-7396 / 0	-139.4	-139.4	0.76 (1)	2.34	M- G	0 / 1982	0.25 (1)
F- W	-7432 / 0	-139.4	-139.4	0.77 (1)	2.30	K- G	-102 / 83	0.02 (4)
W- G	-7432 / 0	-139.4	-139.4	0.77 (1)	2.30	K- H	0 / 613	0.08 (1)
G- H	-6079 / 0	-139.4	-139.4	0.36 (1)	3.05	J- H	-889 / 0	0.06 (1)
H- R	-5510 / 0	-139.4	-139.4	0.24 (1)	3.31	Q- R	-67 / 30	0.00 (1)
R- I	-3714 / 0	-139.4	-139.4	0.11 (1)	4.09	R- J	0 / 2844	0.23 (1)
						S- T	-63 / 30	0.00 (1)
B- S	0 / 2516	-17.5	-17.5	0.26 (1)	10.00	T- P	0 / 2839	0.23 (1)
S- X	0 / 2516	-17.5	-17.5	0.31 (1)	10.00			
X- P	0 / 2516	-17.5	-17.5	0.31 (1)	10.00			
P- Y	0 / 5227	-17.5	-17.5	0.53 (1)	10.00			
Y- O	0 / 5227	-17.5	-17.5	0.53 (1)	10.00			
O- Z	0 / 5772	-17.5	-17.5	0.57 (1)	10.00			
Z- N	0 / 5772	-17.5	-17.5	0.57 (1)	10.00			
N-AA	0 / 7433	-17.5	-17.5	0.72 (1)	10.00			
AA- M	0 / 7433	-17.5	-17.5	0.72 (1)	10.00			
M- L	0 / 5765	-17.5	-17.5	0.54 (1)	10.00			
L- K	0 / 5765	-17.5	-17.5	0.54 (1)	10.00			
K-AB	0 / 5230	-17.5	-17.5	0.53 (1)	10.00			
AB- J	0 / 5230	-17.5	-17.5	0.53 (1)	10.00			
J-AC	0 / 2514	-17.5	-17.5	0.31 (1)	10.00			
AC- Q	0 / 2514	-17.5	-17.5	0.31 (1)	10.00			
Q- I	0 / 2514	-17.5	-17.5	0.26 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.80")
CALCULATED VERT. DEFL.(LL) = L/ 901 (0.32")
ALLOWABLE DEFL.(TL)= L/360 (0.80")
CALCULATED VERT. DEFL.(TL) = L/ 553 (0.52")

CSI: TC=0.78/1.00 (D-E:1) , BC=0.72/1.00 (M-N:1) , WB=0.25/1.00 (G-M:1) , SSI=0.38/1.00 (F-G:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873
MT18HS	586	403	2455	1382	3163	3004

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (G) (INPUT = 0.90)
JSI METAL= 0.85 (B) (INPUT = 1.00)

CONTINUED ON PAGE 2

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
D	6-0-0	-483	-483	---	FRONT	VERT	TOTAL	---	C1
E	10-0-12	-174	-174	---	FRONT	VERT	TOTAL	---	C1
F	13-11-4	-174	-174	---	FRONT	VERT	TOTAL	---	C1
G	18-0-0	-483	-483	---	FRONT	VERT	TOTAL	---	C1
K	17-11-4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
L	15-11-4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
M	13-11-4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
N	10-0-12	-25	-25	---	FRONT	VERT	TOTAL	---	C1
O	6-0-12	-25	-25	---	FRONT	VERT	TOTAL	---	C1
U	8-0-12	-174	-174	---	FRONT	VERT	TOTAL	---	C1
V	12-0-0	-174	-174	---	FRONT	VERT	TOTAL	---	C1
W	15-11-4	-174	-174	---	FRONT	VERT	TOTAL	---	C1
X	2-0-12	-20	-22	---	FRONT	VERT	TOTAL	---	C1
Y	4-0-12	-25	-25	---	FRONT	VERT	TOTAL	---	C1
Z	8-0-12	-25	-25	---	FRONT	VERT	TOTAL	---	C1
AA	12-0-0	-25	-25	---	FRONT	VERT	TOTAL	---	C1
AB	19-11-4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
AC	21-11-4	-20	-22	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	G3	1	1	Wood Creek Const. TRUSS DESC.	9 of 75 **G3X**

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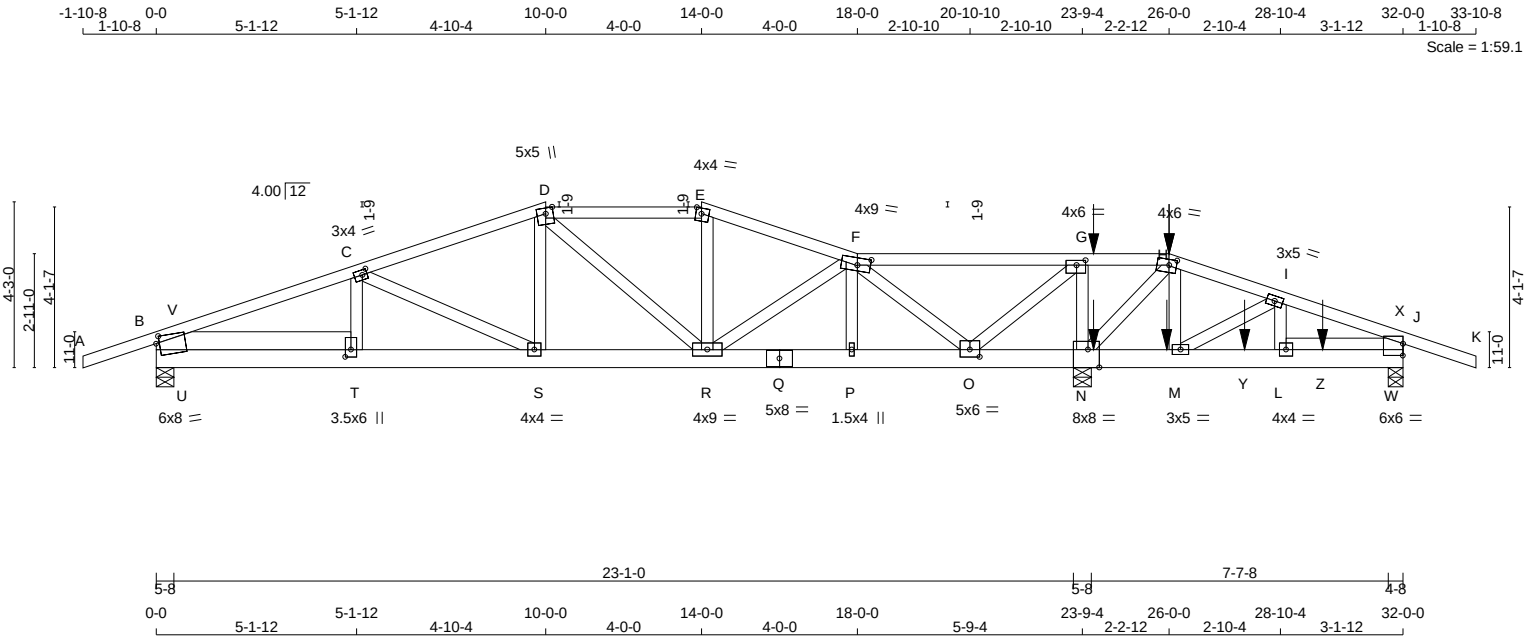

TOTAL WEIGHT = 162 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	1650F 1.5E	SPF
D - E	2x4	DRY	1650F 1.5E	SPF
E - F	2x4	DRY	1650F 1.5E	SPF
F - H	2x4	DRY	1650F 1.5E	SPF
H - K	2x4	DRY	1650F 1.5E	SPF
B - Q	2x6	DRY	1650F 1.5E	SPF
Q - J	2x6	DRY	1650F 1.5E	SPF
REINFORCING MEMBERS				
HW1	2x6	DRY	1650F 1.5E	SPF
HW2	2x4	DRY	1650F 1.5E	SPF
ALL WEBS	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMBMW1-m	MT20	6.0	8.0	2.25	1.00
C	TMWW-t	MT20	3.0	4.0	1.50	1.50
D	TTWW+m	MT20	5.0	5.0	1.75	2.25
E	TTW-m	MT20	4.0	4.0	1.75	1.75
F	TTWWW-m	MT20	4.0	9.0	2.25	4.00
G	TMWW-t	MT20	4.0	6.0	1.50	2.75
H	TTWW-m	MT20	4.0	6.0	1.75	2.25
I	TMWW-t	MT20	3.0	5.0		
J	TMBMW1-l	MT20	6.0	6.0	3.75	
L	BMWW-t	MT20	4.0	4.0		
M	BMWW-t	MT20	3.0	5.0		
N	BMWW1-t	MT20	8.0	8.0	Edge	3.50
O	BMWW-t	MT20	5.0	6.0	2.25	3.00
P	BMW+w	MT20	1.5	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
B	1875	0	1875	0	0	5-8	2-1
N	4294	0	4294	0	0	5-8	5-8
J	368	0	368	0	0	4-8	1-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
B	1294	1030 / 0	0 / 0	0 / 0	0 / 0	264 / 0	0 / 0
N	2973	2311 / 0	0 / 0	0 / 0	0 / 0	662 / 0	0 / 0
J	254	204 / 0	0 / 0	0 / 0	0 / 0	50 / 0	0 / 0

BEARING MATERIAL TO BE SPF NO.2 OR BETTER AT JOINT(S) B, N, J
BEARING SIZE FACTOR = 1.15 AT JNT(S) N (BASED ON SUPPORT DEPTH = 1-8)

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.99 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 6.02 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 7	-139.4	-139.4	0.32 (1)	10.00
B- V	-2169 / 0	-139.4	-139.4	0.20 (1)	4.95
V- C	-3001 / 0	-139.4	-139.4	0.50 (1)	3.99
C- D	-2311 / 0	-139.4	-139.4	0.47 (1)	4.48
D- E	-1860 / 0	-139.4	-139.4	0.39 (1)	4.99
E- F	-1953 / 0	-139.4	-139.4	0.39 (1)	4.89
F- G	0 / 414	-139.4	-139.4	0.64 (1)	10.00
G- H	0 / 2118	-139.4	-139.4	0.86 (1)	10.00
H- I	0 / 965	-139.4	-139.4	0.28 (1)	10.00
I- X	0 / 221	-139.4	-139.4	0.19 (1)	10.00
X- J	-56 / 0	-139.4	-139.4	0.07 (1)	6.25
J- K	0 / 7	-139.4	-139.4	0.32 (1)	10.00
B- U	0 / 1555	-17.5	-17.5	0.14 (1)	10.00
U- T	0 / 1555	-17.5	-17.5	0.18 (1)	10.00
T- S	0 / 2859	-17.5	-17.5	0.28 (1)	10.00
S- R	0 / 2166	-17.5	-17.5	0.19 (1)	10.00
R- Q	0 / 1376	-17.5	-17.5	0.14 (1)	10.00
Q- P	0 / 1376	-17.5	-17.5	0.14 (1)	10.00
P- O	0 / 1372	-17.5	-17.5	0.15 (1)	10.00
O- N	-2118 / 0	-17.5	-17.5	0.15 (1)	6.02
N- M	-950 / 0	-17.5	-17.5	0.14 (1)	6.25
M- Y	-202 / 0	-17.5	-17.5	0.03 (1)	6.25
Y- L	-202 / 0	-17.5	-17.5	0.03 (1)	6.25
L- Z	0 / 74	-17.5	-17.5	0.03 (4)	10.00
Z- W	0 / 74	-17.5	-17.5	0.03 (4)	10.00
W- J	0 / 74	-17.5	-17.5	0.02 (1)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
T- C	-176 / 40	0.01 (1)
C- S	-750 / 0	0.17 (1)
S- D	0 / 429	0.05 (1)
D- R	-415 / 0	0.12 (1)
R- E	0 / 71	0.01 (4)
R- F	0 / 582	0.07 (1)
P- F	0 / 66	0.01 (4)
F- O	-2378 / 0	0.33 (1)
O- G	0 / 2271	0.29 (1)
N- G	-2591 / 0	0.22 (1)
N- H	-1770 / 0	0.19 (1)
M- H	0 / 376	0.05 (1)
M- I	-841 / 0	0.08 (1)
L- I	0 / 202	0.03 (1)
U- V	0 / 69	0.00 (1)
V- T	0 / 1323	0.11 (1)
L- X	-284 / 0	0.03 (1)
W- X	-82 / 43	0.00 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN ALL FLAT SECTIONS BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.79")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.09")
ALLOWABLE DEFL.(TL)= L/360 (0.79")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.14")

CSI: TC=0.86/1.00 (G-H:1) , BC=0.28/1.00 (S-T:1) , WB=0.33/1.00 (F-O:1) , SSI=0.41/1.00 (F-G:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.88 (B) (INPUT = 0.90)
JSI METAL= 0.79 (O) (INPUT = 1.00)

CONTINUED ON PAGE 2

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
Q	BS-t	MT20	5.0	8.0		
R	BMWWW-t	MT20	4.0	9.0		
S	BMWW-t	MT20	4.0	4.0		
T	BMWW+t	MT20	3.5	6.0	2.25	1.75

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

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
G	24-0-12	-238	-238	---	FRONT	VERT	TOTAL	---	C1
H	26-0-0	-546	-546	---	FRONT	VERT	TOTAL	---	C1
M	25-11-4	-76	-76	---	FRONT	VERT	TOTAL	---	C1
N	24-0-12	-76	-76	---	FRONT	VERT	TOTAL	---	C1
Y	27-11-4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
Z	29-11-4	-20	-22	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	G4	1	1	Wood Creek Const. TRUSS DESC.	11 of 75 **G4X**

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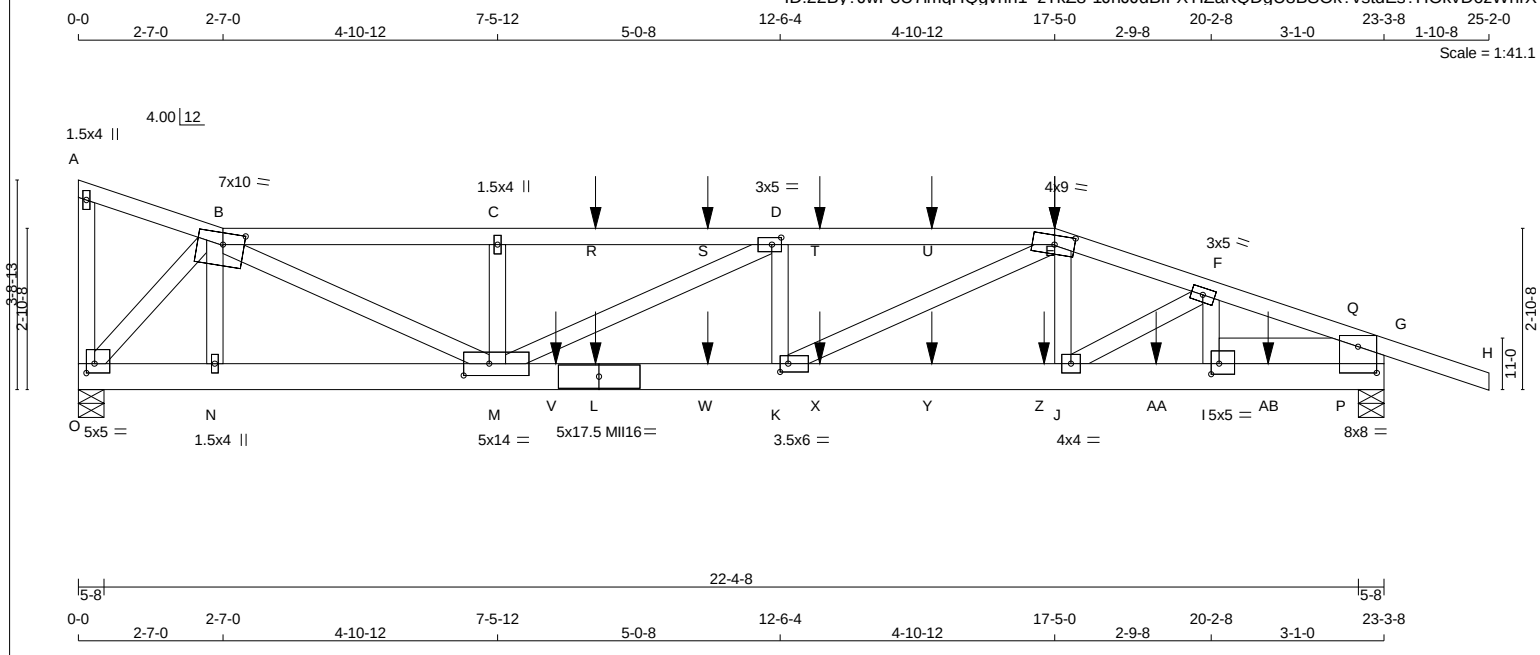

TOTAL WEIGHT = 115 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
O - A	2x4	DRY	1650F 1.5E	SPF
A - B	2x4	DRY	1650F 1.5E	SPF
B - E	2x4	DRY	2100F 1.8E	SPF
E - H	2x4	DRY	1650F 1.5E	SPF
O - L	2x6	DRY	1650F 1.5E	SPF
L - G	2x6	DRY	1650F 1.5E	SPF
REINFORCING MEMBERS				
HW2	2x6	DRY	1650F 1.5E	SPF
ALL WEBS	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	1.5	4.0		
B	TTWWW-m	MT20	7.0	10.0	2.50	4.50
C	TMW+w	MT20	1.5	4.0		
D	TMWW-t	MT20	3.0	5.0	1.50	2.00
E	TTWW-m	MT20	4.0	9.0	2.00	4.25
F	TMWW-t	MT20	3.0	5.0		
G	TMBMW1-l	MT20	8.0	8.0	5.75	4.00
I	BMWW-t	MT20	5.0	5.0	2.25	1.75
J	BMWW-t	MT20	4.0	4.0		
K	BMWW-t	MT20	3.5	6.0	1.75	1.75
L	BS-t	MII16	5.0	17.5		
M	BMWWW-t	MT20	5.0	14.0	2.50	5.50
N	BMW+w	MT20	1.5	4.0		
O	BMVW1-t	MT20	5.0	5.0	2.00	1.75

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
O	2655	0	2655	0	0	5-8	2-14
G	3102	0	3102	0	0	5-8	3-6

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O	1836	1437 / 0	0 / 0	0 / 0	0 / 0	399 / 0	0 / 0
G	2146	1677 / 0	0 / 0	0 / 0	0 / 0	469 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.27 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 MAX (PLF) FROM	TO	CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
O- A	-180 / 0	0.0	0.0	0.03 (1)	7.81	O- B	-3534 / 0	0.38 (1)
A- B	0 / 0	-139.4	-139.4	0.15 (1)	10.00	N- B	0 / 78	0.02 (4)
B- C	-6344 / 0	-139.4	-139.4	0.65 (1)	2.95	B- M	0 / 4272	0.55 (1)
C- R	-6344 / 0	-139.4	-139.4	0.87 (1)	2.61	M- C	-879 / 0	0.07 (1)
R- S	-6344 / 0	-139.4	-139.4	0.87 (1)	2.61	M- D	-1169 / 0	0.32 (1)
S- D	-6344 / 0	-139.4	-139.4	0.87 (1)	2.61	K- D	-708 / 0	0.06 (1)
D- T	-7391 / 0	-139.4	-139.4	0.96 (1)	2.27	K- E	0 / 2084	0.27 (1)
T- U	-7391 / 0	-139.4	-139.4	0.96 (1)	2.27	J- E	-111 / 93	0.02 (4)
U- E	-7391 / 0	-139.4	-139.4	0.96 (1)	2.27	J- F	0 / 602	0.08 (1)
E- F	-5834 / 0	-139.4	-139.4	0.33 (1)	3.14	I- F	-873 / 0	0.06 (1)
F- Q	-5278 / 0	-139.4	-139.4	0.22 (1)	3.40	I- Q	0 / 2719	0.22 (1)
Q- G	-3575 / 0	-139.4	-139.4	0.10 (1)	4.16	P- Q	-72 / 30	0.00 (1)
G- H	0 / 7	-139.4	-139.4	0.32 (1)	10.00			
O- N	0 / 2541	-17.5	-17.5	0.21 (1)	10.00			
N- M	0 / 2538	-17.5	-17.5	0.23 (1)	10.00			
M- V	0 / 7391	-17.5	-17.5	0.84 (1)	10.00			
V- L	0 / 7391	-17.5	-17.5	0.84 (1)	10.00			
L- W	0 / 7391	-17.5	-17.5	0.84 (1)	10.00			
W- K	0 / 7391	-17.5	-17.5	0.84 (1)	10.00			
K- X	0 / 5534	-17.5	-17.5	0.51 (1)	10.00			
X- Y	0 / 5534	-17.5	-17.5	0.51 (1)	10.00			
Y- Z	0 / 5534	-17.5	-17.5	0.51 (1)	10.00			
Z- J	0 / 5534	-17.5	-17.5	0.51 (1)	10.00			
J-AA	0 / 5009	-17.5	-17.5	0.51 (1)	10.00			
AA- I	0 / 5009	-17.5	-17.5	0.51 (1)	10.00			
I-AB	0 / 2419	-17.5	-17.5	0.30 (1)	10.00			
AB- P	0 / 2419	-17.5	-17.5	0.30 (1)	10.00			
P- G	0 / 2419	-17.5	-17.5	0.25 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN ALL FLAT SECTIONS BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.78")
CALCULATED VERT. DEFL.(LL) = L/ 972 (0.29")
ALLOWABLE DEFL.(TL)= L/360 (0.78")
CALCULATED VERT. DEFL.(TL) = L/ 601 (0.47")

CSI: TC=0.96/1.00 (D-E:1) , BC=0.84/1.00 (K-M:1) , WB=0.55/1.00 (B-M:1) , SSI=0.57/1.00 (D-E:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873
MII16	438	302	2547	1256	4283	1816

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (B) (INPUT = 0.90)
JSI METAL= 0.88 (B) (INPUT = 1.00)

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03/29/2020

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
E	17-5-0	-479	-479	---	FRONT	VERT	TOTAL	---	C1
L	9-2-12	-24	-24	---	FRONT	VERT	TOTAL	---	C1
R	9-2-12	-168	-168	---	FRONT	VERT	TOTAL	---	C1
S	11-2-12	-168	-168	---	FRONT	VERT	TOTAL	---	C1
T	13-2-12	-168	-168	---	FRONT	VERT	TOTAL	---	C1
U	15-2-12	-168	-168	---	FRONT	VERT	TOTAL	---	C1
V	8-6-4	-521	-521	---	FRONT	VERT	TOTAL	---	C1
W	11-2-12	-24	-24	---	FRONT	VERT	TOTAL	---	C1
X	13-2-12	-24	-24	---	FRONT	VERT	TOTAL	---	C1
Y	15-2-12	-24	-24	---	FRONT	VERT	TOTAL	---	C1
Z	17-2-12	-24	-24	---	FRONT	VERT	TOTAL	---	C1
AA	19-2-12	-24	-24	---	FRONT	VERT	TOTAL	---	C1
AB	21-2-12	-19	-21	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	G5	1	1	Wood Creek Const.	G5X
				TRUSS DESC.	13 of 75

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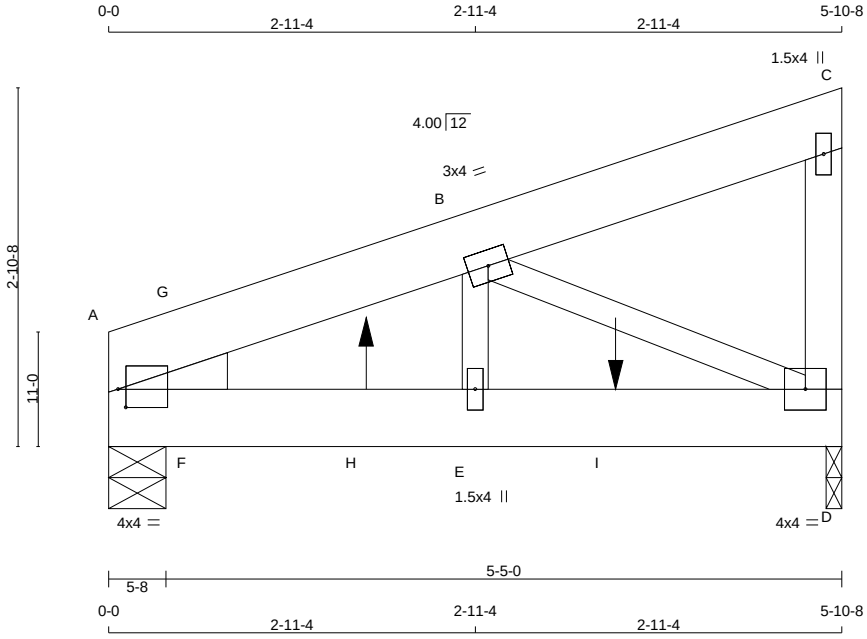

TOTAL WEIGHT = 28 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x6	DRY	1650F 1.5E	SPF
D - C	2x4	DRY	1650F 1.5E	SPF
A - D	2x6	DRY	1650F 1.5E	SPF
ALL WEBS	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMBH1-l	MT20	4.0	4.0	1.75	0.75
B	TMWW-t	MT20	3.0	4.0		
C	TMV+p	MT20	1.5	4.0		
D	BMVW1-t	MT20	4.0	4.0		
E	BMW+w	MT20	1.5	4.0		

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	UPLIFT	IN-SX	IN-SX	HEEL WEDGE
D	526	0	526	0	0	1-8	1-8	
A	479	0	479	0	0	5-8	1-8	2x4 L

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
D	362	293 / 0	0 / 0	0 / 0	0 / 0	69 / 0	0 / 0
A	330	268 / 0	0 / 0	0 / 0	0 / 0	61 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (7)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	WEBS MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- G	-690 / 0	-139.4	-139.4	0.03 (1)	6.25	E- B	-8 / 65	0.02 (1)
G- B	-564 / 0	-139.4	-139.4	0.03 (5)	6.25	B- D	-593 / 0	0.12 (1)
B- C	-6 / 0	-139.4	-139.4	0.07 (1)	10.00	F- G	0 / 54	0.00 (1)
D- C	-189 / 0	0.0	0.0	0.02 (1)	7.81			
A- F	0 / 534	-17.5	-17.5	0.05 (1)	10.00			
F- H	0 / 534	-17.5	-17.5	0.06 (5)	10.00			
H- E	0 / 534	-17.5	-17.5	0.06 (5)	10.00			
E- I	0 / 534	-17.5	-17.5	0.10 (1)	10.00			
I- D	0 / 534	-17.5	-17.5	0.10 (1)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
H	2-0-12	21	1	28	BACK	VERT	TOTAL	---	C1
I	4-0-12	-105	-105	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.01")
ALLOWABLE DEFL.(TL)= L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.01")

CSI: TC=0.07/1.00 (B-C:1) , BC=0.10/1.00 (D-E:1) , WB=0.12/1.00 (B-D:1) , SSI=0.14/1.00 (B-C:5)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 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) (PSI)	SHEAR (PLI)		SECTION (PLI)	
		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= 0.76 (A) (INPUT = 0.90)
JSI METAL= 0.19 (A) (INPUT = 1.00)

03/29/2020

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	G6	1	1	Wood Creek Const. TRUSS DESC.	14 of 75 **G6X**

KAMLOOPS TRUSS LTD., Kamloops, BC V2H 1G3

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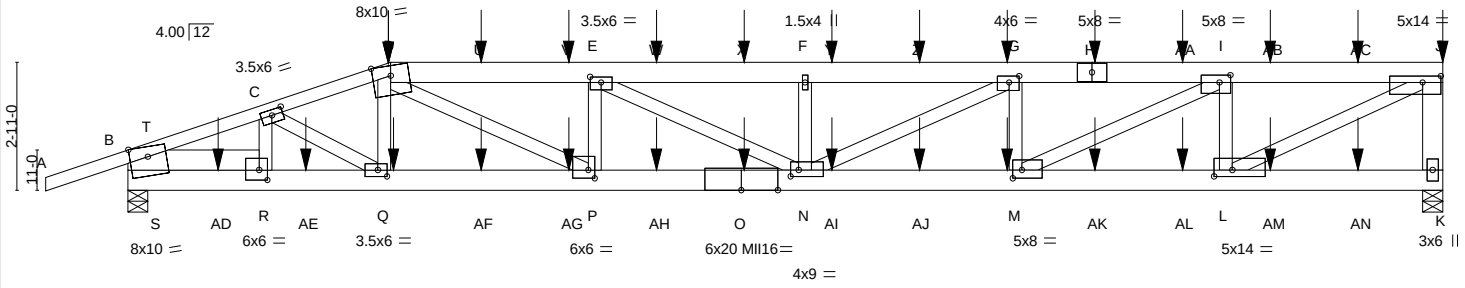
ID:22By?JwP3U7imqHQgvnn1_zTkZ8-w51p9_EAJm2j2BeBSWZ4LIYVzWIpZxbbC0i6MtzWhrT

-1-10-8 0-0 3-1-12 6-0-0 10-7-14 15-5-7 20-3-1 25-0-10 30-0-0

1-10-8 3-1-12 2-10-4 4-7-14 4-9-10 4-9-10 4-9-10 4-11-6

Scale = 1:52.6



29-1-0

5-8 5-8

0-0 3-1-12 6-0-0 10-7-14 15-5-7 20-3-1 25-0-10 30-0-0

3-1-12 2-10-4 4-7-14 4-9-10 4-9-10 4-9-10 4-11-6

TOTAL WEIGHT = 169 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	1650F 1.5E	SPF
D - H	2x6	DRY	1650F 1.5E	SPF
H - J	2x6	DRY	1650F 1.5E	SPF
K - J	2x6	DRY	1650F 1.5E	SPF
B - O	2x6	DRY	2400F 2.0E	DF
O - K	2x6	DRY	2400F 2.0E	DF
REINFORCING MEMBERS				
HW1	2x6	DRY	1650F 1.5E	SPF
ALL WEBS	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMBMW1-m	MT20	8.0	10.0	Edge	
C	TMWW-t	MT20	3.5	6.0	1.50	3.00
D	TTWW-m	MT20	8.0	10.0	Edge	
E	TMWW-t	MT20	3.5	6.0	1.50	3.00
F	TMW+w	MT20	1.5	4.0		
G	TMWW-t	MT20	4.0	6.0	1.75	2.75
H	TS-t	MT20	5.0	8.0		
I	TMWW-t	MT20	5.0	8.0	2.00	3.00
J	TMVW-t	MT20	5.0	14.0	1.75	5.00
K	BMV1+p	MT20	3.0	6.0		
L	BMWW-t	MT20	5.0	14.0	1.75	5.00
M	BMWW-t	MT20	5.0	8.0	2.25	2.50
N	BMWWW-t	MT20	4.0	9.0	1.75	2.25
O	BS-t	MII16	6.0	20.0		
P	BMWW-t	MT20	6.0	6.0	2.25	1.75
Q	BMWW-t	MT20	3.5	6.0	1.75	2.50

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
K	4020	0	4020	0	0	5-8	4-6
B	3941	0	3941	0	0	5-8	3-4

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
K	2782	2172 / 0	0 / 0	0 / 0	0 / 0	610 / 0	0 / 0
B	2729	2119 / 0	0 / 0	0 / 0	0 / 0	610 / 0	0 / 0

BEARING MATERIAL TO BE DF NO.2 OR BETTER AT JOINT(S) K, B

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.50 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 7	-139.4	-139.4	0.32 (1)	10.00
B- T	-4687 / 0	-139.4	-139.4	0.16 (1)	3.65
T- C	-6974 / 0	-139.4	-139.4	0.34 (1)	2.87
C- D	-8019 / 0	-139.4	-139.4	0.51 (1)	2.50
D- U	-10983 / 0	-139.4	-139.4	0.60 (1)	2.67
U- V	-10983 / 0	-139.4	-139.4	0.60 (1)	2.67
V- E	-10983 / 0	-139.4	-139.4	0.60 (1)	2.67
E- W	-11835 / 0	-139.4	-139.4	0.61 (1)	2.58
W- X	-11835 / 0	-139.4	-139.4	0.61 (1)	2.58
X- F	-11835 / 0	-139.4	-139.4	0.61 (1)	2.58
F- Y	-11835 / 0	-139.4	-139.4	0.64 (1)	2.55
Y- Z	-11835 / 0	-139.4	-139.4	0.64 (1)	2.55
Z- G	-11835 / 0	-139.4	-139.4	0.64 (1)	2.55
G- H	-10422 / 0	-139.4	-139.4	0.54 (1)	2.81
H-AA	-10422 / 0	-139.4	-139.4	0.54 (1)	2.81
AA- I	-10422 / 0	-139.4	-139.4	0.54 (1)	2.81
I-AB	-6623 / 0	-139.4	-139.4	0.40 (1)	3.61
AB-AC	-6623 / 0	-139.4	-139.4	0.40 (1)	3.61
AC- J	-6623 / 0	-139.4	-139.4	0.40 (1)	3.61
K- J	-3932 / 0	0.0	0.0	0.23 (1)	6.10
B- S	0 / 3174	-17.5	-17.5	0.18 (1)	10.00
S-AD	0 / 3174	-17.5	-17.5	0.25 (1)	10.00
AD- R	0 / 3174	-17.5	-17.5	0.25 (1)	10.00
R-AE	0 / 6616	-17.5	-17.5	0.40 (1)	10.00
AE- Q	0 / 6616	-17.5	-17.5	0.40 (1)	10.00
Q-AF	0 / 7651	-17.5	-17.5	0.40 (1)	10.00
AF-AG	0 / 7651	-17.5	-17.5	0.40 (1)	10.00
AG- P	0 / 7651	-17.5	-17.5	0.40 (1)	10.00
P-AH	0 / 10982	-17.5	-17.5	0.58 (1)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
R- C	-1217 / 0	0.09 (1)
C- Q	0 / 1178	0.15 (1)
Q- D	-300 / 48	0.03 (1)
D- P	0 / 3780	0.48 (1)
P- E	-1679 / 0	0.14 (1)
E- N	0 / 959	0.12 (1)
N- F	-1049 / 0	0.09 (1)
N- G	0 / 1588	0.20 (1)
M- G	-1791 / 0	0.15 (1)
M- I	0 / 4268	0.55 (1)
L- I	-3163 / 0	0.26 (1)
L- J	0 / 7396	0.95 (1)
S- T	-47 / 34	0.00 (1)
T- R	0 / 3605	0.29 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.00")
CALCULATED VERT. DEFL.(LL) = L/ 627 (0.57")
ALLOWABLE DEFL.(TL)= L/360 (1.00")
CALCULATED VERT. DEFL.(TL) = L/ 386 (0.93")

CSI: TC=0.64/1.00 (F-G:1) , BC=0.58/1.00 (N-P:1) , WB=0.95/1.00 (J-L:1) , SSI=0.42/1.00 (I-J:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873
MII16	438	302	2547	1256	4283	1816

PLATE PLACEMENT TOL. = 0.500 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (L) (INPUT = 0.90)
JSI METAL= 0.93 (B) (INPUT = 1.00)

CONTINUED ON PAGE 2

03/29/2020

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
R	BMWW-t	MT20	6.0	6.0	2.75	2.25

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	WEBS MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
AH- O	0 / 10982	-17.5	-17.5	0.58 (1)	10.00			
O- N	0 / 10982	-17.5	-17.5	0.58 (1)	10.00			
N-AI	0 / 10422	-17.5	-17.5	0.55 (1)	10.00			
AI-AJ	0 / 10422	-17.5	-17.5	0.55 (1)	10.00			
AJ- M	0 / 10422	-17.5	-17.5	0.55 (1)	10.00			
M-AK	0 / 6623	-17.5	-17.5	0.37 (1)	10.00			
AK-AL	0 / 6623	-17.5	-17.5	0.37 (1)	10.00			
AL- L	0 / 6623	-17.5	-17.5	0.37 (1)	10.00			
L-AM	0 / 0	-17.5	-17.5	0.06 (1)	10.00			
AM-AN	0 / 0	-17.5	-17.5	0.06 (1)	10.00			
AN- K	0 / 0	-17.5	-17.5	0.06 (1)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
D	6-0-0	-485	-485	---	FRONT	VERT	TOTAL	---	C1
G	20-0-12	-174	-174	---	FRONT	VERT	TOTAL	---	C1
H	22-0-12	-174	-174	---	FRONT	VERT	TOTAL	---	C1
J	30-0-0	-240	-240	---	FRONT	VERT	TOTAL	---	C1
M	20-0-12	-25	-25	---	FRONT	VERT	TOTAL	---	C1
O	14-0-12	-25	-25	---	FRONT	VERT	TOTAL	---	C1
Q	6-0-12	-25	-25	---	FRONT	VERT	TOTAL	---	C1
U	8-0-12	-174	-174	---	FRONT	VERT	TOTAL	---	C1
V	10-0-12	-174	-174	---	FRONT	VERT	TOTAL	---	C1
W	12-0-12	-174	-174	---	FRONT	VERT	TOTAL	---	C1
X	14-0-12	-174	-174	---	FRONT	VERT	TOTAL	---	C1
Y	16-0-12	-174	-174	---	FRONT	VERT	TOTAL	---	C1
Z	18-0-12	-174	-174	---	FRONT	VERT	TOTAL	---	C1
AA	24-0-12	-174	-174	---	FRONT	VERT	TOTAL	---	C1
AB	26-0-12	-174	-174	---	FRONT	VERT	TOTAL	---	C1
AC	28-0-12	-174	-174	---	FRONT	VERT	TOTAL	---	C1
AD	2-0-12	-20	-22	---	FRONT	VERT	TOTAL	---	C1
AE	4-0-12	-25	-25	---	FRONT	VERT	TOTAL	---	C1
AF	8-0-12	-25	-25	---	FRONT	VERT	TOTAL	---	C1
AG	10-0-12	-25	-25	---	FRONT	VERT	TOTAL	---	C1
AH	12-0-12	-25	-25	---	FRONT	VERT	TOTAL	---	C1
AI	16-0-12	-25	-25	---	FRONT	VERT	TOTAL	---	C1
AJ	18-0-12	-25	-25	---	FRONT	VERT	TOTAL	---	C1
AK	22-0-12	-25	-25	---	FRONT	VERT	TOTAL	---	C1
AL	24-0-12	-25	-25	---	FRONT	VERT	TOTAL	---	C1
AM	26-0-12	-25	-25	---	FRONT	VERT	TOTAL	---	C1
AN	28-0-12	-25	-25	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	G7	1	1	Wood Creek Const. TRUSS DESC.	16 of 75 **G7X**

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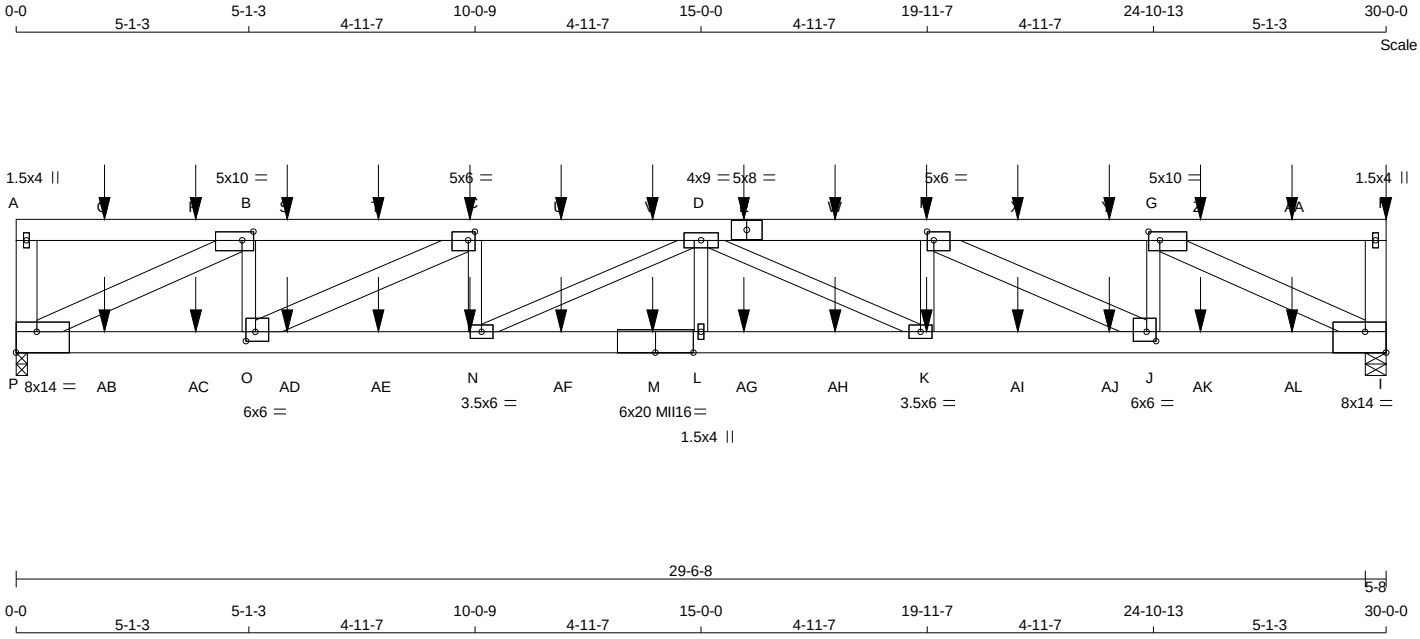

TOTAL WEIGHT = 187 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
P - A	2x6	DRY	1650F 1.5E	SPF
A - E	2x6	DRY	1650F 1.5E	SPF
E - H	2x6	DRY	1650F 1.5E	SPF
I - H	2x6	DRY	1650F 1.5E	SPF
P - M	2x6	DRY	2400F 2.0E	DF
M - I	2x6	DRY	2400F 2.0E	DF
ALL WEBS EXCEPT	2x4	DRY	1650F 1.5E	SPF
P - B	2x6	DRY	2400F 2.0E	DF
O - C	2x6	DRY	1650F 1.5E	SPF
F - J	2x6	DRY	1650F 1.5E	SPF
G - I	2x6	DRY	2400F 2.0E	DF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	1.5	4.0		
B	TMWW-t	MT20	5.0	10.0	2.25	3.00
C	TMWW-t	MT20	5.0	6.0	2.25	1.75
D	TMWWW-t	MT20	4.0	9.0		
E	TS-t	MT20	5.0	8.0		
F	TMWW-t	MT20	5.0	6.0	2.25	1.75
G	TMWW-t	MT20	5.0	10.0	2.25	3.00
H	TMV+p	MT20	1.5	4.0		
I	BMVW1-t	MT20	8.0	14.0	5.50	Edge
J	BMWW-t	MT20	6.0	6.0	2.50	2.50
K	BMWW-t	MT20	3.5	6.0		
L	BMW+w	MT20	1.5	4.0		
M	BS-t	MII16	6.0	20.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
P	3753	0	3753	0	0	3-0	3-0
I	3983	0	3983	0	0	5-8	3-4

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
P	2600	2012 / 0	0 / 0	0 / 0	0 / 0	588 / 0	0 / 0
I	2756	2152 / 0	0 / 0	0 / 0	0 / 0	604 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.80 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
P- A	-402 / 0	0.0	0.0	0.02 (1)	7.81
A- Q	0 / 0	-139.4	-139.4	0.26 (1)	10.00
Q- R	0 / 0	-139.4	-139.4	0.26 (1)	10.00
R- B	0 / 0	-139.4	-139.4	0.26 (1)	10.00
B- S	-6782 / 0	-139.4	-139.4	0.42 (1)	3.56
S- T	-6782 / 0	-139.4	-139.4	0.42 (1)	3.56
T- C	-6782 / 0	-139.4	-139.4	0.42 (1)	3.56
C- U	-10494 / 0	-139.4	-139.4	0.56 (1)	2.81
U- V	-10494 / 0	-139.4	-139.4	0.56 (1)	2.81
V- D	-10494 / 0	-139.4	-139.4	0.56 (1)	2.81
D- E	-10498 / 0	-139.4	-139.4	0.56 (1)	2.80
E- W	-10498 / 0	-139.4	-139.4	0.56 (1)	2.80
W- F	-10498 / 0	-139.4	-139.4	0.56 (1)	2.80
F- X	-6784 / 0	-139.4	-139.4	0.42 (1)	3.56
X- Y	-6784 / 0	-139.4	-139.4	0.42 (1)	3.56
Y- G	-6784 / 0	-139.4	-139.4	0.42 (1)	3.56
G- Z	0 / 0	-139.4	-139.4	0.26 (1)	10.00
Z-AA	0 / 0	-139.4	-139.4	0.26 (1)	10.00
AA- H	0 / 0	-139.4	-139.4	0.26 (1)	10.00
I- H	-632 / 0	0.0	0.0	0.04 (1)	7.81
P-AB	0 / 6782	-17.5	-17.5	0.34 (1)	10.00
AB-AC	0 / 6782	-17.5	-17.5	0.34 (1)	10.00
AC- O	0 / 6782	-17.5	-17.5	0.34 (1)	10.00
O-AD	0 / 10494	-17.5	-17.5	0.52 (1)	10.00
AD-AE	0 / 10494	-17.5	-17.5	0.52 (1)	10.00
AE- N	0 / 10494	-17.5	-17.5	0.52 (1)	10.00
N-AF	0 / 11785	-17.5	-17.5	0.59 (1)	10.00
AF- M	0 / 11785	-17.5	-17.5	0.59 (1)	10.00
M- L	0 / 11785	-17.5	-17.5	0.59 (1)	10.00

WEBS FR-TO	MAX. FORCE (LBS)	MAX CSI (LC)
P- B	-7530 / 0	0.91 (1)
O- B	0 / 1993	0.26 (1)
O- C	-4144 / 0	0.68 (1)
N- C	0 / 778	0.10 (1)
N- D	-1441 / 0	0.37 (1)
L- D	0 / 167	0.03 (4)
D- K	-1436 / 0	0.37 (1)
K- F	0 / 777	0.10 (1)
F- J	-4147 / 0	0.68 (1)
J- G	0 / 1994	0.26 (1)
G- I	-7532 / 0	0.91 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.00")
CALCULATED VERT. DEFL.(LL) = L/ 748 (0.48")
ALLOWABLE DEFL.(TL)= L/360 (1.00")
CALCULATED VERT. DEFL.(TL) = L/ 459 (0.78")

CSI: TC=0.56/1.00 (D-F:1) , BC=0.59/1.00 (K-L:1) , WB=0.91/1.00 (G-I:1) , SSI=0.44/1.00 (G-H:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873
MII16	438	302	2547	1256	4283	1816

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (B) (INPUT = 0.90)
JSI METAL= 0.97 (B) (INPUT = 1.00)

CONTINUED ON PAGE 2

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
N	BMWW-t	MT20	3.5	6.0		
O	BMWW-t	MT20	6.0	6.0	2.50	2.50
P	BMVW1-t	MT20	8.0	14.0	5.50	Edge

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	WEBS MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
L-AG	0 / 11785	-17.5	-17.5	0.59 (1)	10.00			
AG-AH	0 / 11785	-17.5	-17.5	0.59 (1)	10.00			
AH- K	0 / 11785	-17.5	-17.5	0.59 (1)	10.00			
K-AI	0 / 10498	-17.5	-17.5	0.52 (1)	10.00			
AI-AJ	0 / 10498	-17.5	-17.5	0.52 (1)	10.00			
AJ- J	0 / 10498	-17.5	-17.5	0.52 (1)	10.00			
J-AK	0 / 6784	-17.5	-17.5	0.34 (1)	10.00			
AK-AL	0 / 6784	-17.5	-17.5	0.34 (1)	10.00			
AL- I	0 / 6784	-17.5	-17.5	0.34 (1)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
C	9-11-4	-174	-174	---	FRONT	VERT	TOTAL	---	C1
E	15-11-4	-174	-174	---	FRONT	VERT	TOTAL	---	C1
F	19-11-4	-174	-174	---	FRONT	VERT	TOTAL	---	C1
H	30-0-0	-240	-240	---	FRONT	VERT	TOTAL	---	C1
K	19-11-4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
M	13-11-4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
N	9-11-4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
Q	1-11-4	-174	-174	---	FRONT	VERT	TOTAL	---	C1
R	3-11-4	-174	-174	---	FRONT	VERT	TOTAL	---	C1
S	5-11-4	-174	-174	---	FRONT	VERT	TOTAL	---	C1
T	7-11-4	-174	-174	---	FRONT	VERT	TOTAL	---	C1
U	11-11-4	-174	-174	---	FRONT	VERT	TOTAL	---	C1
V	13-11-4	-174	-174	---	FRONT	VERT	TOTAL	---	C1
W	17-11-4	-174	-174	---	FRONT	VERT	TOTAL	---	C1
X	21-11-4	-174	-174	---	FRONT	VERT	TOTAL	---	C1
Y	23-11-4	-174	-174	---	FRONT	VERT	TOTAL	---	C1
Z	25-11-4	-174	-174	---	FRONT	VERT	TOTAL	---	C1
AA	27-11-4	-174	-174	---	FRONT	VERT	TOTAL	---	C1
AB	1-11-4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
AC	3-11-4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
AD	5-11-4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
AE	7-11-4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
AF	11-11-4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
AG	15-11-4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
AH	17-11-4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
AI	21-11-4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
AJ	23-11-4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
AK	25-11-4	-25	-25	---	FRONT	VERT	TOTAL	---	C1
AL	27-11-4	-25	-25	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	G8	1	2	Wood Creek Const. TRUSS DESC.	18 of 75

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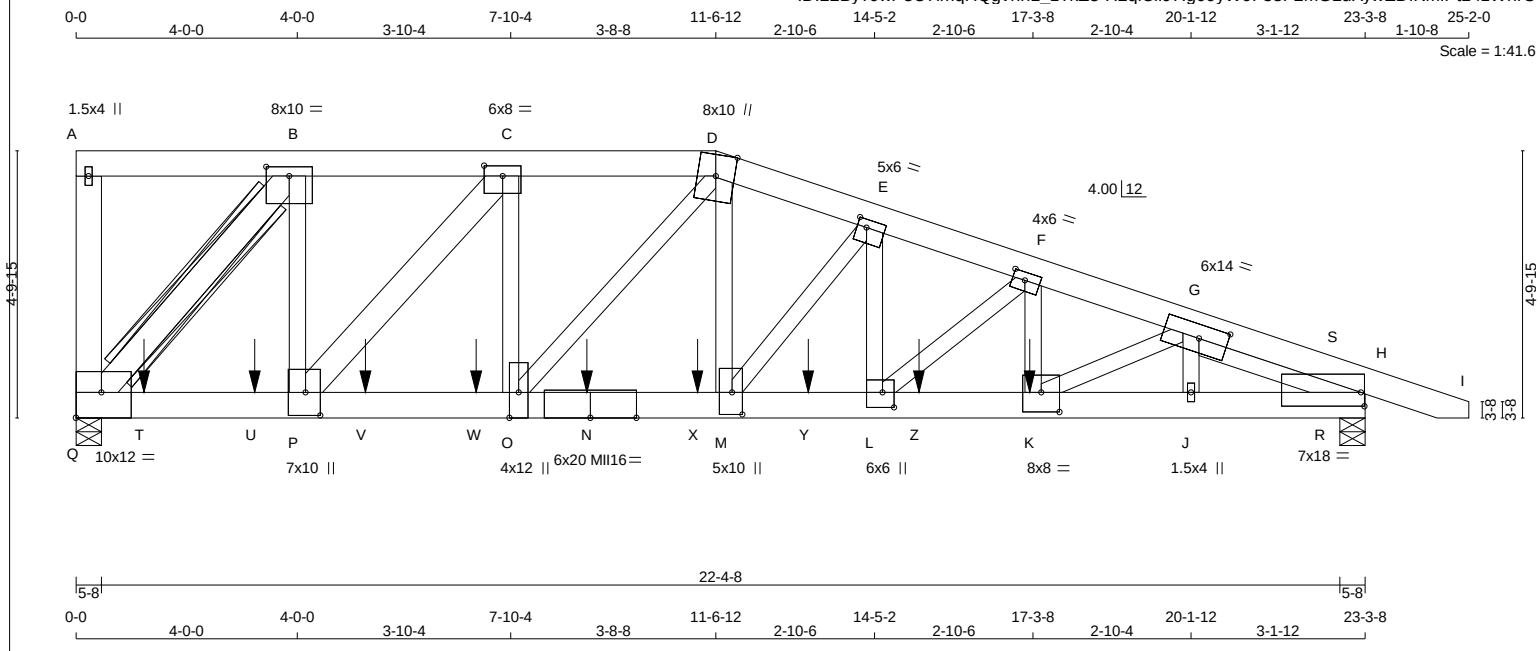

TOTAL WEIGHT = 2 X 165 = 330 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
Q - A	2x6	DRY	1650F 1.5E	SPF
A - D	2x6	DRY	1650F 1.5E	SPF
D - I	2x6	DRY	1650F 1.5E	SPF
Q - N	2x6	DRY	2400F 2.0E	DF
N - H	2x6	DRY	2400F 2.0E	DF
REINFORCING MEMBERS				
HW2	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x4	DRY	1650F 1.5E	SPF
Q - B	2x6	DRY	2400F 2.0E	DF
P - C	2x6	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

DESIGN CONSISTS OF 2 TRUSSES BUILT SEPARATELY THEN FASTENED TOGETHER AS FOLLOWS:

CHORDS	#ROWS	SURFACE SPACING (IN)	LOAD(PLF)
TOP CHORDS : (0.122"X3") SPIRAL NAILS			
Q- A	2	12	TOP
A- D	2	12	TOP
D- I	2	12	TOP
BOTTOM CHORDS : (0.122"X3") SPIRAL NAILS			
Q- N	2	12	SIDE(0.0)
N- H	2	12	SIDE(203.5)
WEBS : (0.122"X3") SPIRAL NAILS			
F- K	2	2	SIDE(770.9)
2x4	1	6	
2x6	2	6	

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
Q	14867	0	14867	0	0	5-8	5-8
H	11471	0	11471	0	0	5-8	4-11

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
Q	10281	8064 / 0	0 / 0	0 / 0	0 / 0	2217 / 0	0 / 0
H	7932	6228 / 0	0 / 0	0 / 0	0 / 0	1704 / 0	0 / 0

BEARING MATERIAL TO BE DF NO.2 OR BETTER AT JOINT(S) Q, H

BEARING SIZE FACTOR = 1.15 AT JNT(S) Q (BASED ON SUPPORT DEPTH = 1-8)

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.25 FT.

MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

2x4 DRY SPF No.2 I-BRACE AT B-Q

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: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
Q- A	-210 / 0	0.0	0.0	0.02 (1)	7.81	Q- B	-17660 / 0	0.79 (1)
A- B	0 / 0	-139.4	-139.4	0.07 (1)	10.00	P- B	0 / 12298	0.79 (1)
B- C	-11927 / 0	-139.4	-139.4	0.15 (1)	4.02	P- C	-9390 / 0	0.85 (1)
C- D	-18140 / 0	-139.4	-139.4	0.27 (1)	3.23	O- C	0 / 6692	0.43 (1)
D- E	-21413 / 0	-139.4	-139.4	0.34 (1)	2.92	O- D	-2951 / 0	0.42 (1)
E- F	-24992 / 0	-139.4	-139.4	0.47 (1)	2.58	M- D	0 / 8442	0.54 (1)
F- G	-27391 / 0	-139.4	-139.4	0.63 (1)	2.25	M- E	-5413 / 0	0.41 (1)
G- S	-13483 / 0	-139.4	-139.4	0.31 (1)	3.64	L- E	0 / 5007	0.32 (1)
S- H	-16744 / 0	-139.4	-139.4	0.29 (1)	3.32	L- F	-3057 / 0	0.18 (1)
H- I	0 / 13	-139.4	-139.4	0.06 (1)	10.00	K- F	0 / 2205	0.14 (1)
						K- G	0 / 4446	0.28 (1)
Q- T	0 / 11927	-17.5	-17.5	0.61 (1)	10.00	J- G	-486 / 0	0.02 (1)
T- U	0 / 11927	-17.5	-17.5	0.61 (1)	10.00	G- R	-11122 / 0	0.59 (1)
U- P	0 / 11927	-17.5	-17.5	0.61 (1)	10.00	R- S	0 / 6030	0.00 (1)
P- V	0 / 18139	-17.5	-17.5	0.72 (1)	10.00			
V- W	0 / 18139	-17.5	-17.5	0.72 (1)	10.00			
W- O	0 / 18139	-17.5	-17.5	0.72 (1)	10.00			
O- N	0 / 20051	-17.5	-17.5	0.66 (1)	10.00			
N- X	0 / 20051	-17.5	-17.5	0.66 (1)	10.00			
X- M	0 / 20051	-17.5	-17.5	0.66 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.78")
CALCULATED VERT. DEFL.(LL) = L/ 966 (0.29")
ALLOWABLE DEFL.(TL)= L/360 (0.78")
CALCULATED VERT. DEFL.(TL) = L/ 600 (0.47")

CSI: TC=0.63/1.00 (F-G:1) , BC=0.78/1.00 (K-L:1) , WB=0.85/1.00 (C-P:1) , SSI=0.81/1.00 (P-Q:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873
MII16	438	302	2547	1256	4283	1816

PLATE PLACEMENT TOL. = 0.500 inches EXCEPT:

BOTTOM EDGE OF PLATE AT JNT(S) Q TO BE PLACED WITHIN 0.25" OF SUPPORT SURFACE

PLATE ROTATION TOL. = 5.0 Deg.

CONTINUED ON PAGE 2

03/29/2020

NAILS TO BE DRIVEN FROM ONE SIDE ONLY.

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

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	1.5	4.0		
B	TMWW-t	MT20	8.0	10.0	2.00	5.00
C	TMWW-t	MT20	6.0	8.0	2.25	4.00
D	TTWW+m	MT20	8.0	10.0	Edge	
E	TMWW-t	MT20	5.0	6.0	1.75	2.00
F	TMWW-t	MT20	4.0	6.0	1.75	2.75
G	TMWWW-t	MT20	6.0	14.0	3.00	6.25
H	TMBW1-l	MT20	7.0	18.0	3.00	0.75
J	BMW+w	MT20	1.5	4.0		
K	BMWW-t	MT20	8.0	8.0	4.25	4.00
L	BMWW+t	MT20	6.0	6.0	3.25	2.50
M	BMWW+t	MT20	5.0	10.0	4.75	2.25
N	BS-t	MII16	6.0	20.0		
O	BMWW+t	MT20	4.0	12.0	Edge	
P	BMWW+t	MT20	7.0	10.0	5.00	3.25
Q	BMVW1-t	MT20	10.0	12.0	5.50	Edge

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	LC1 TO	MAX CSI (LC)	WEBS MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
M- Y	0 / 23713	-17.5	-17.5	0.70 (1)	10.00			
Y- L	0 / 23713	-17.5	-17.5	0.70 (1)	10.00			
L- Z	0 / 26037	-17.5	-17.5	0.78 (1)	10.00			
Z- K	0 / 26037	-17.5	-17.5	0.78 (1)	10.00			
K- J	0 / 22152	-17.5	-17.5	0.64 (1)	10.00			
J- R	0 / 22119	-17.5	-17.5	0.64 (1)	10.00			
R- H	0 / 12629	-17.5	-17.5	0.29 (1)	10.00			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
K	17-2-12	-3735	-3735	---	BACK	VERT	TOTAL	---	C1
N	9-2-12	-2336	-2336	---	BACK	VERT	TOTAL	---	C1
T	1-2-12	-2336	-2336	---	BACK	VERT	TOTAL	---	C1
U	3-2-12	-2336	-2336	---	BACK	VERT	TOTAL	---	C1
V	5-2-12	-2336	-2336	---	BACK	VERT	TOTAL	---	C1
W	7-2-12	-2336	-2336	---	BACK	VERT	TOTAL	---	C1
X	11-2-12	-2336	-2336	---	BACK	VERT	TOTAL	---	C1
Y	13-2-12	-2336	-2336	---	BACK	VERT	TOTAL	---	C1
Z	15-2-12	-2336	-2336	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

JSI GRIP= 0.90 (G) (INPUT = 0.90)
JSI METAL= 0.87 (N) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	H1	1	1	Wood Creek Const. TRUSS DESC.	20 of 75 **H1X**

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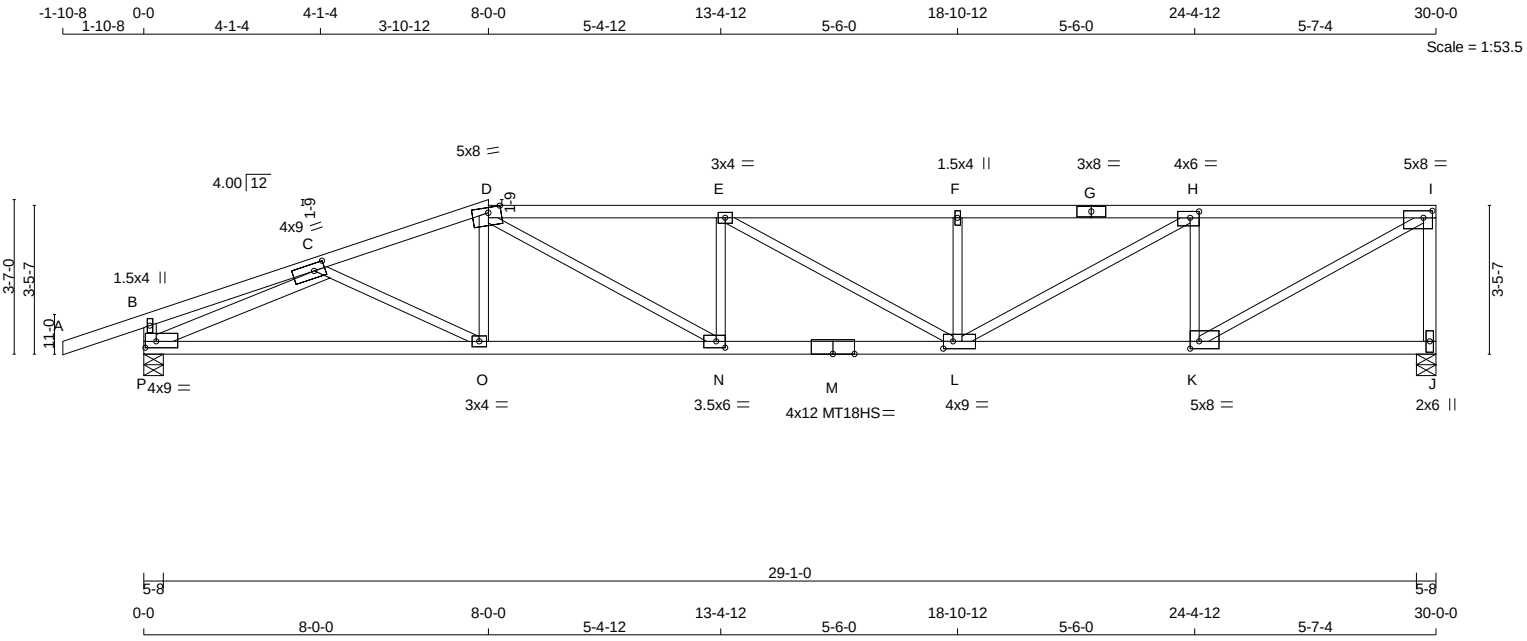

TOTAL WEIGHT = 112 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	1650F 1.5E	SPF
D - G	2x4	DRY	1650F 1.5E	SPF
G - I	2x4	DRY	1650F 1.5E	SPF
J - I	2x4	DRY	1650F 1.5E	SPF
P - B	2x4	DRY	1650F 1.5E	SPF
P - M	2x4	DRY	1650F 1.5E	SPF
M - J	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
P - C	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	1.5	4.0		
C	TMWW-t	MT20	4.0	9.0	2.00	3.00
D	TTWW-m	MT20	5.0	8.0	1.50	3.50
E	TMWW-t	MT20	3.0	4.0		
F	TMW+w	MT20	1.5	4.0		
G	TS-t	MT20	3.0	8.0		
H	TMWW-t	MT20	4.0	6.0	1.75	2.50
I	TMVW-t	MT20	5.0	8.0	2.00	2.50
J	BMV1+p	MT20	2.0	6.0		
K	BMWW-t	MT20	5.0	8.0	2.00	2.50
L	BMWWW-t	MT20	4.0	9.0	2.00	2.75
M	BS-t	MT18HS	4.0	12.0		
N	BMWW-t	MT20	3.5	6.0	1.75	2.50
O	BMWW-t	MT20	3.0	4.0		
P	BMVW1-t	MT20	4.0	9.0	1.75	3.00

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
J	2353	0	2353	0	0	5-8	4-2
P	2621	0	2621	0	0	5-8	2-13

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
J	1629	1269 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0
P	1811	1431 / 0	0 / 0	0 / 0	0 / 0	379 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.80 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 42	-139.4	-139.4	0.30 (1)	10.00	C- O	0 / 109	0.04 (4)
B- C	0 / 16	-139.4	-139.4	0.23 (1)	10.00	O- D	0 / 110	0.04 (4)
C- D	-4536 / 0	-139.4	-139.4	0.36 (1)	3.54	D- N	0 / 1562	0.35 (1)
D- E	-5647 / 0	-139.4	-139.4	0.82 (1)	2.80	N- E	-720 / 0	0.15 (1)
E- F	-5297 / 0	-139.4	-139.4	0.80 (1)	2.92	E- L	-402 / 0	0.29 (1)
F- G	-5297 / 0	-139.4	-139.4	0.85 (1)	2.84	L- F	-715 / 0	0.14 (1)
G- H	-5297 / 0	-139.4	-139.4	0.85 (1)	2.84	L- H	0 / 2028	0.46 (1)
H- I	-3539 / 0	-139.4	-139.4	0.68 (1)	3.56	K- H	-1890 / 0	0.38 (1)
J- I	-2309 / 0	0.0	0.0	0.30 (1)	6.34	K- I	0 / 4063	0.91 (1)
P- B	-501 / 0	0.0	0.0	0.03 (1)	7.81	P- C	-4719 / 0	0.84 (1)
P- O	0 / 4246	-17.5	-17.5	0.61 (1)	10.00			
O- N	0 / 4305	-17.5	-17.5	0.58 (1)	10.00			
N- M	0 / 5646	-17.5	-17.5	0.73 (1)	10.00			
M- L	0 / 5646	-17.5	-17.5	0.73 (1)	10.00			
L- K	0 / 3539	-17.5	-17.5	0.47 (1)	10.00			
K- J	0 / 0	-17.5	-17.5	0.10 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.00")
CALCULATED VERT. DEFL.(LL) = L/ 906 (0.40")
ALLOWABLE DEFL.(TL)= L/360 (1.00")
CALCULATED VERT. DEFL.(TL) = L/ 553 (0.65")

CSI: TC=0.85/1.00 (F-H:1) , BC=0.73/1.00 (L-N:1) , WB=0.91/1.00 (I-K:1) , SSI=0.36/1.00 (H-I:1)

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

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873
MT18HS	586	403	2455	1382	3163	3004

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

CONTINUED ON PAGE 2

JSI GRIP= 0.90 (C) (INPUT = 0.90)
JSI METAL= 0.86 (M) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	H2	1	1	Wood Creek Const.	H2
				TRUSS DESC.	22 of 75

KAMLOOPS TRUSS LTD., Kamloops, BC V2H 1G3

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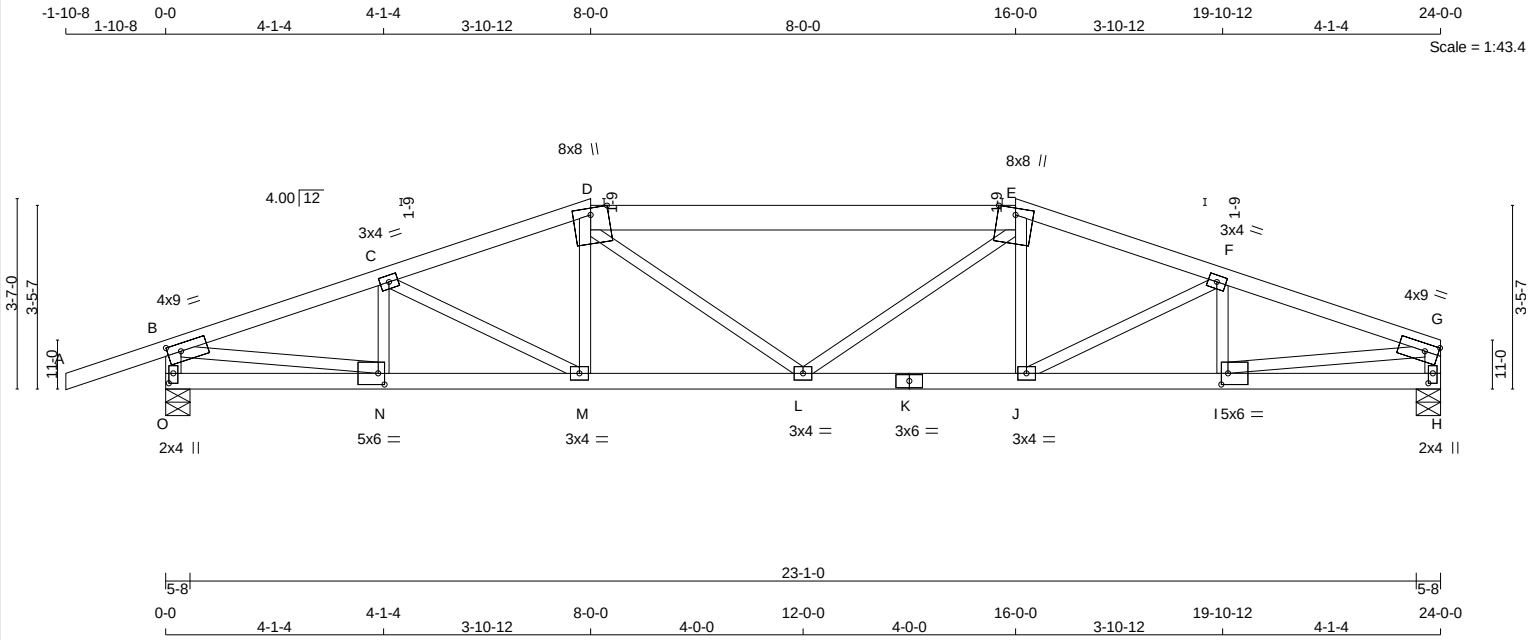

TOTAL WEIGHT = 92 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	1650F 1.5E	SPF
D - E	2x6	DRY	1650F 1.5E	SPF
E - G	2x4	DRY	1650F 1.5E	SPF
O - B	2x4	DRY	1650F 1.5E	SPF
H - G	2x4	DRY	1650F 1.5E	SPF
O - K	2x4	DRY	1650F 1.5E	SPF
K - H	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	4.0	9.0	1.75	3.00
C	TMWW-t	MT20	3.0	4.0		
D	TTWW+m	MT20	8.0	8.0	Edge	
E	TTWW+m	MT20	8.0	8.0	Edge	
F	TMWW-t	MT20	3.0	4.0		
G	TMVW-t	MT20	4.0	9.0	1.75	3.00
H	BMV1+p	MT20	2.0	4.0	2.25	1.00
I	BMWW-t	MT20	5.0	6.0	2.50	1.50
J, L, M						
J	BMWW-t	MT20	3.0	4.0		
K	BS-t	MT20	3.0	6.0		
N	BMWW-t	MT20	5.0	6.0	2.50	1.50
O	BMV1+p	MT20	2.0	4.0	2.25	1.00

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
O	2150	0	2150	0	0	5-8	3-8
H	1883	0	1883	0	0	5-8	2-13

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O	1485	1178 / 0	0 / 0	0 / 0	0 / 0	307 / 0	0 / 0
H	1303	1015 / 0	0 / 0	0 / 0	0 / 0	288 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.08 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FORCE (LBS)	FACTORED MAX CSI (LC)
A- B	0 / 42	-139.4	-139.4	0.30 (1)	10.00	N- C	-453 / 0	0.07 (1)
B- C	-3478 / 0	-139.4	-139.4	0.27 (1)	4.08	C- M	-167 / 0	0.05 (1)
C- D	-3328 / 0	-139.4	-139.4	0.24 (1)	4.19	M- D	0 / 162	0.04 (1)
D- E	-3206 / 0	-139.4	-139.4	0.42 (1)	4.84	D- L	0 / 66	0.02 (4)
E- F	-3328 / 0	-139.4	-139.4	0.24 (1)	4.19	L- E	0 / 66	0.02 (4)
F- G	-3478 / 0	-139.4	-139.4	0.27 (1)	4.08	J- E	0 / 162	0.04 (1)
O- B	-2105 / 0	0.0	0.0	0.13 (1)	6.57	J- F	-168 / 0	0.05 (1)
H- G	-1837 / 0	0.0	0.0	0.12 (1)	6.92	I- F	-453 / 0	0.07 (1)
						B- N	0 / 3352	0.75 (1)
O- N	0 / 0	-17.5	-17.5	0.07 (1)	10.00	I- G	0 / 3352	0.75 (1)
N- M	0 / 3315	-17.5	-17.5	0.44 (1)	10.00			
M- L	0 / 3161	-17.5	-17.5	0.39 (1)	10.00			
L- K	0 / 3161	-17.5	-17.5	0.39 (1)	10.00			
K- J	0 / 3161	-17.5	-17.5	0.39 (1)	10.00			
J- I	0 / 3315	-17.5	-17.5	0.44 (1)	10.00			
I- H	0 / 0	-17.5	-17.5	0.07 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.80")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.17")
ALLOWABLE DEFL.(TL)= L/360 (0.80")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.27")

CSI: TC=0.42/1.00 (D-E:1) , BC=0.44/1.00 (M-N:1) , WB=0.75/1.00 (G-I:1) , SSI=0.34/1.00 (D-E:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (O) (INPUT = 0.90)
JSI METAL= 0.94 (K) (INPUT = 1.00)

03/29/2020

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M11-7473C rev 10-08 BEFORE USE
Design valid for use onlywith MiTek connectors. This design is based upon parameters shown, and is for an idividual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer. Bracing shown is for lateral support of individual web members only. additional temporary bracing to insure stability during construction is the resposibility of the erector. Additional permanent bracing of the overall structure is the resposibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult
TPIC Appendix G - Minimum Quality Manufacturing Criteria available from www.tpic.ca and BCSI Building Component safety Information available from Truss Plate Institute, 781 N. Lee Street, alexandria, VA 22314.

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	H3	1	1	Wood Creek Const. TRUSS DESC.	23 of 75 **H3X**

KAMLOOPS TRUSS LTD., Kamloops, BC V2H 1G3

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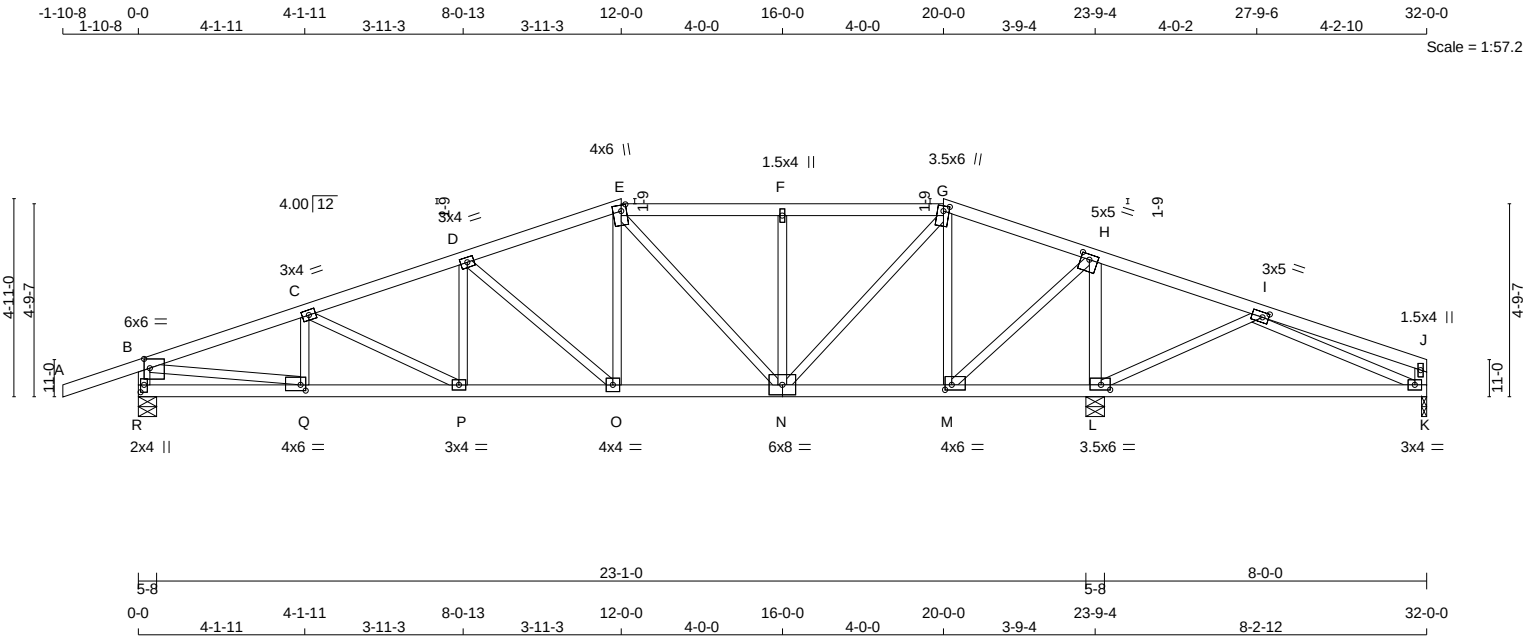

TOTAL WEIGHT = 126 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - E	2x4	DRY	1650F 1.5E	SPF
E - G	2x4	DRY	1650F 1.5E	SPF
G - J	2x4	DRY	1650F 1.5E	SPF
R - B	2x4	DRY	1650F 1.5E	SPF
K - J	2x4	DRY	1650F 1.5E	SPF
R - N	2x4	DRY	1650F 1.5E	SPF
N - K	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
L - H	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	6.0	6.0	2.75	1.75
C	TMWW-t	MT20	3.0	4.0		
D	TMWW-t	MT20	3.0	4.0		
E	TTWW+m	MT20	4.0	6.0	1.75	1.50
F	TMW+w	MT20	1.5	4.0		
G	TTWW+m	MT20	3.5	6.0	1.50	1.75
H	TMWW-t	MT20	5.0	5.0	1.50	2.50
I	TMWW-t	MT20	3.0	5.0	1.50	1.75
J	TMV+p	MT20	1.5	4.0		
K	BMVW1-t	MT20	3.0	4.0		
L	BMWW1-t	MT20	3.5	6.0	1.50	2.75
M	BMWW-t	MT20	4.0	6.0	1.50	2.00
N	BSWWW-l	MT20	6.0	8.0		
O	BMWW-t	MT20	4.0	4.0		
P	BMWW-t	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
R	1951	0	1951	0	0	5-8	2-14
L	3215	0	3215	0	0	5-8	3-10
K	122	0	122	0	0	1-8	1-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
R	1347	1070 / 0	0 / 0	0 / 0	0 / 0	277 / 0	0 / 0
L	2225	1735 / 0	0 / 0	0 / 0	0 / 0	490 / 0	0 / 0
K	85	65 / 0	0 / 0	0 / 0	0 / 0	20 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.30 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: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 42	-139.4	-139.4	0.30 (1)	10.00
B- C	-3034 / 0	-139.4	-139.4	0.28 (1)	4.30
C- D	-2767 / 0	-139.4	-139.4	0.22 (1)	4.54
D- E	-2086 / 0	-139.4	-139.4	0.21 (1)	5.07
E- F	-1583 / 0	-139.4	-139.4	0.24 (1)	5.58
F- G	-1583 / 0	-139.4	-139.4	0.24 (1)	5.58
G- H	-511 / 0	-139.4	-139.4	0.21 (1)	6.25
H- I	0 / 1233	-139.4	-139.4	0.42 (1)	10.00
I- J	0 / 18	-139.4	-139.4	0.28 (1)	10.00
R- B	-1908 / 0	0.0	0.0	0.12 (1)	6.82
K- J	-232 / 0	0.0	0.0	0.01 (1)	7.81
R- Q	0 / 0	-17.5	-17.5	0.06 (1)	10.00
Q- P	0 / 2891	-17.5	-17.5	0.39 (1)	10.00
P- O	0 / 2627	-17.5	-17.5	0.33 (1)	10.00
O- N	0 / 1958	-17.5	-17.5	0.26 (1)	10.00
N- M	0 / 502	-17.5	-17.5	0.10 (1)	10.00
M- L	-1170 / 0	-17.5	-17.5	0.18 (4)	6.25
L- K	-342 / 0	-17.5	-17.5	0.20 (4)	6.25

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
Q- C	-376 / 0	0.06 (1)
C- P	-297 / 0	0.10 (1)
P- D	0 / 209	0.05 (1)
D- O	-864 / 0	0.36 (1)
O- E	0 / 642	0.14 (1)
E- N	-570 / 0	0.36 (1)
N- F	-734 / 0	0.25 (1)
N- G	0 / 1637	0.37 (1)
M- G	-1471 / 0	0.52 (1)
M- H	0 / 2222	0.50 (1)
L- H	-2649 / 0	0.28 (1)
L- I	-922 / 0	0.33 (1)
B- Q	0 / 2923	0.66 (1)
I- K	0 / 380	0.09 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.79")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.12")
ALLOWABLE DEFL.(TL)= L/360 (0.79")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.20")

CSI: TC=0.42/1.00 (H-I:1) , BC=0.39/1.00 (P-Q:1) , WB=0.66/1.00 (B-Q:1) , SSI=0.27/1.00 (E-F:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) 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 (M) (INPUT = 0.90)
JSI METAL= 0.69 (Q) (INPUT = 1.00)

CONTINUED ON PAGE 2

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
Q	BMWW-t	MT20	4.0	6.0	1.75	1.50
R	BMV1+p	MT20	2.0	4.0	2.25	1.00

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	H4	1	1	Wood Creek Const. TRUSS DESC.	25 of 75 **H4X**

KAMLOOPS TRUSS LTD., Kamloops, BC V2H 1G3

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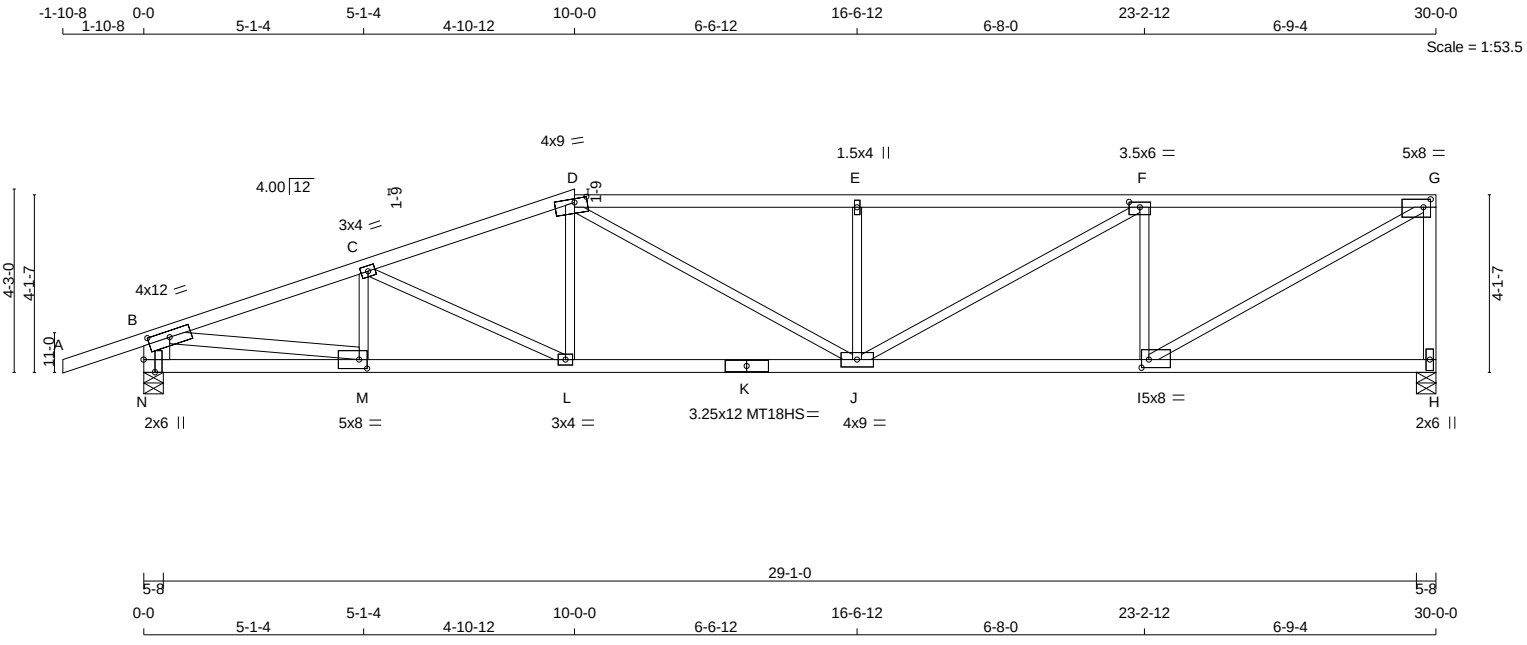

TOTAL WEIGHT = 114 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	1650F 1.5E	SPF
D - G	2x4	DRY	2100F 1.8E	SPF
H - G	2x4	DRY	1650F 1.5E	SPF
N - B	2x8	DRY	1950F 1.7E	DF
N - K	2x4	DRY	1650F 1.5E	SPF
K - H	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
B - M	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	4.0	12.0	1.75	6.00
C	TMWW-t	MT20	3.0	4.0		
D	TTWW-m	MT20	4.0	9.0	1.00	3.50
E	TMW+w	MT20	1.5	4.0		
F	TMWW-t	MT20	3.5	6.0	1.50	3.00
G	TMVW-t	MT20	5.0	8.0	2.25	2.00
H	BMV1+p	MT20	2.0	6.0		
I	BMWW-t	MT20	5.0	8.0	2.25	2.00
J	BMWWW-t	MT20	4.0	9.0		
K	BS-t	MT18HS	3.25	12.0		
L	BMWW-t	MT20	3.0	4.0		
M	BMWW-t	MT20	5.0	8.0	2.50	2.25
N	BMV1+p	MT20	2.0	6.0	Edge	3.25

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
H	2353	0	2353	0	0	5-8	4-2
N	2621	0	2621	0	0	5-8	2-13

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	1629	1269 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0
N	1811	1431 / 0	0 / 0	0 / 0	0 / 0	379 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.20 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 42	-139.4	-139.4	0.30 (1)	10.00	M- C	-474 / 0	0.08 (1)
B- C	-4664 / 0	-139.4	-139.4	0.67 (1)	3.20	C- L	-434 / 0	0.21 (1)
C- D	-4282 / 0	-139.4	-139.4	0.62 (1)	3.35	L- D	0 / 311	0.07 (1)
D- E	-4719 / 0	-139.4	-139.4	0.84 (1)	3.29	D- J	0 / 779	0.18 (1)
E- F	-4718 / 0	-139.4	-139.4	0.90 (1)	3.20	J- E	-1046 / 0	0.27 (1)
F- G	-3399 / 0	-139.4	-139.4	0.76 (1)	3.80	J- F	0 / 1520	0.34 (1)
H- G	-2303 / 0	0.0	0.0	0.44 (1)	6.35	I- F	-1790 / 0	0.46 (1)
N- B	-2571 / 0	0.0	0.0	0.07 (1)	7.81	I- G	0 / 3904	0.88 (1)
						B- M	0 / 4479	0.52 (1)
N- M	0 / 0	-17.5	-17.5	0.09 (4)	10.00			
M- L	0 / 4447	-17.5	-17.5	0.58 (1)	10.00			
L- K	0 / 4047	-17.5	-17.5	0.53 (1)	10.00			
K- J	0 / 4047	-17.5	-17.5	0.53 (1)	10.00			
J- I	0 / 3399	-17.5	-17.5	0.46 (1)	10.00			
I- H	0 / 0	-17.5	-17.5	0.15 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.00")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.30")
ALLOWABLE DEFL.(TL)= L/360 (1.00")
CALCULATED VERT. DEFL.(TL) = L/ 729 (0.49")

CSI: TC=0.90/1.00 (E-F:1) , BC=0.58/1.00 (L-M:1) , WB=0.88/1.00 (G-I:1) , SSI=0.44/1.00 (F-G:1)

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

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873
MT18HS	586	403	2455	1382	3163	3004

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

CONTINUED ON PAGE 2

JSI GRIP= 0.90 (D) (INPUT = 0.90)
JSI METAL= 0.79 (M) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	H5	1	1	Wood Creek Const. TRUSS DESC.	27 of 75 **H5X**

KAMLOOPS TRUSS LTD., Kamloops, BC V2H 1G3

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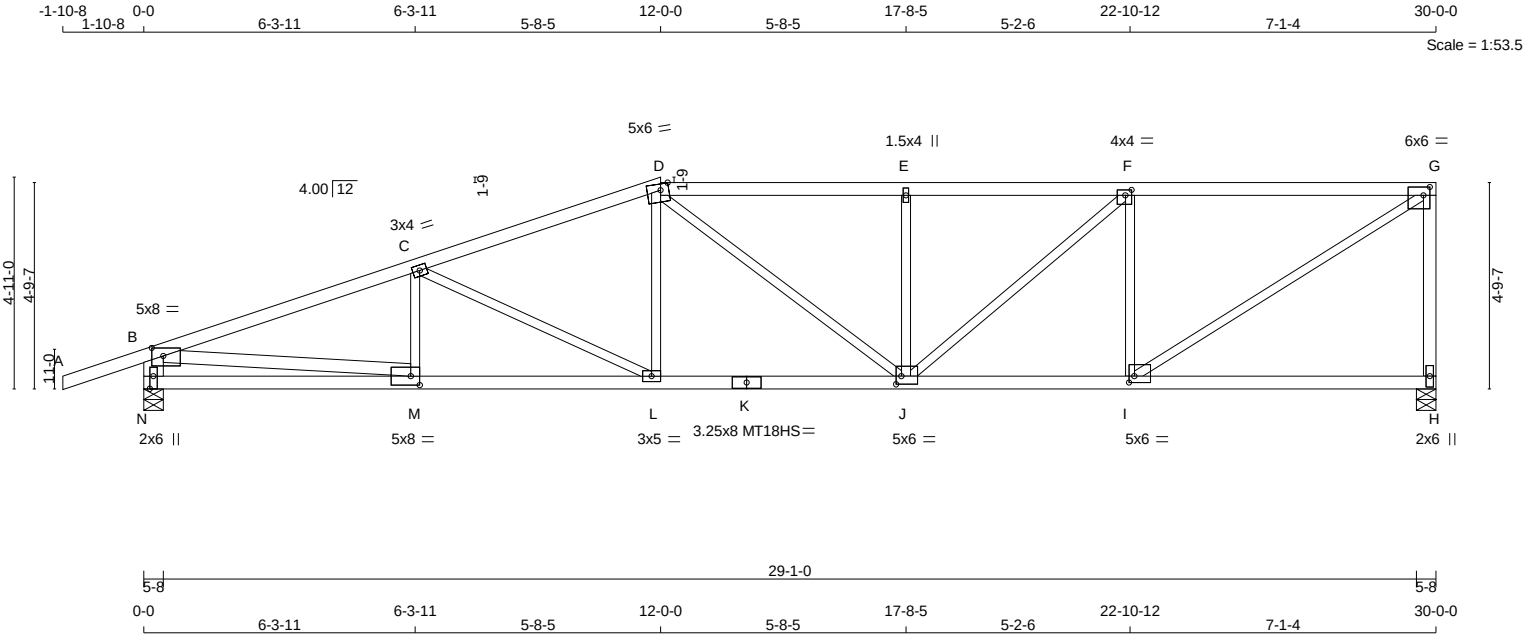

TOTAL WEIGHT = 118 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	2100F 1.8E	SPF
D - G	2x4	DRY	2100F 1.8E	SPF
H - G	2x4	DRY	1650F 1.5E	SPF
N - B	2x6	DRY	1650F 1.5E	SPF
N - K	2x4	DRY	1650F 1.5E	SPF
K - H	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
B - M	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	2.25	3.25
C	TMWW-t	MT20	3.0	4.0		
D	TTWW-m	MT20	5.0	6.0	Edge	2.25
E	TMW+w	MT20	1.5	4.0		
F	TMWW-t	MT20	4.0	4.0	1.50	1.75
G	TMVW-t	MT20	6.0	6.0	2.25	1.75
H	BMV1+p	MT20	2.0	6.0		
I	BMWW-t	MT20	5.0	6.0	1.75	1.50
J	BMWWW-t	MT20	5.0	6.0	2.25	1.50
K	BS-t	MT18HS	3.25	8.0		
L	BMWW-t	MT20	3.0	5.0		
M	BMWW-t	MT20	5.0	8.0	2.50	2.50
N	BMV1+p	MT20	2.0	6.0	Edge	1.00

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
H	2353	0	2353	0	0	5-8	4-2
N	2621	0	2621	0	0	5-8	3-0

UNFACTORED REACTIONS

1ST LCASE MAX./MIN. COMPONENT REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
H	1629	1269 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0
N	1811	1431 / 0	0 / 0	0 / 0	0 / 0	379 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.28 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 42	-139.4	-139.4	0.23 (1)	10.00
B- C	-4736 / 0	-139.4	-139.4	0.84 (1)	3.28
C- D	-3961 / 0	-139.4	-139.4	0.70 (1)	3.61
D- E	-3881 / 0	-139.4	-139.4	0.52 (1)	3.91
E- F	-3880 / 0	-139.4	-139.4	0.70 (1)	3.58
F- G	-2987 / 0	-139.4	-139.4	0.74 (1)	4.05
H- G	-2300 / 0	0.0	0.0	0.63 (1)	6.35
N- B	-2567 / 0	0.0	0.0	0.10 (1)	7.23
N- M	0 / 0	-17.5	-17.5	0.12 (4)	10.00
M- L	0 / 4520	-17.5	-17.5	0.59 (1)	10.00
L- K	0 / 3730	-17.5	-17.5	0.49 (1)	10.00
K- J	0 / 3730	-17.5	-17.5	0.49 (1)	10.00
J- I	0 / 2987	-17.5	-17.5	0.42 (1)	10.00
I- H	0 / 0	-17.5	-17.5	0.15 (4)	10.00

WEBS MEMB. FR-TO	MAX. FORCE (LBS)	MAX CSI (LC)
M- C	-345 / 34	0.06 (1)
C- L	-866 / 0	0.60 (1)
L- D	0 / 494	0.11 (1)
D- J	0 / 193	0.04 (1)
J- E	-812 / 0	0.27 (1)
J- F	0 / 1180	0.27 (1)
I- F	-1763 / 0	0.59 (1)
I- G	0 / 3535	0.80 (1)
B- M	0 / 4542	0.53 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.00")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.24")
ALLOWABLE DEFL.(TL)= L/360 (1.00")
CALCULATED VERT. DEFL.(TL) = L/ 885 (0.41")

CSI: TC=0.84/1.00 (B-C:1) , BC=0.59/1.00 (L-M:1) , WB=0.80/1.00 (G-I:1) , SSI=0.45/1.00 (F-G:1)

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

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873
MT18HS	586	403	2455	1382	3163	3004

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

CONTINUED ON PAGE 2

03/29/2020

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M11-7473C rev 10-08 BEFORE USE
Design valid for use onlywith MiTek connectors. This design is based upon parameters shown, and is for an idividual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer. Bracing shown is for lateral support of individual web members only. additional temporary bracing to insure stability during construction is the resposibility of the erector. Additional permanent bracing of the overall structure is the resposibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult
TPIC Appendix G - Minimum Quality Manufacturing Criteria available from www.tpic.ca and BCSI Building Component safety Information available from Truss Plate Institute, 781 N. Lee Street, alexandria, VA 22314.

JSI GRIP= 0.90 (M) (INPUT = 0.90)
JSI METAL= 0.81 (M) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	Wood Creek Const.	DRWG NO.	
200656	H6	1	1	TRUSS DESC.		29 of 75	**H6X**

KAMLOOPS TRUSS LTD., Kamloops, BC V2H 1G3

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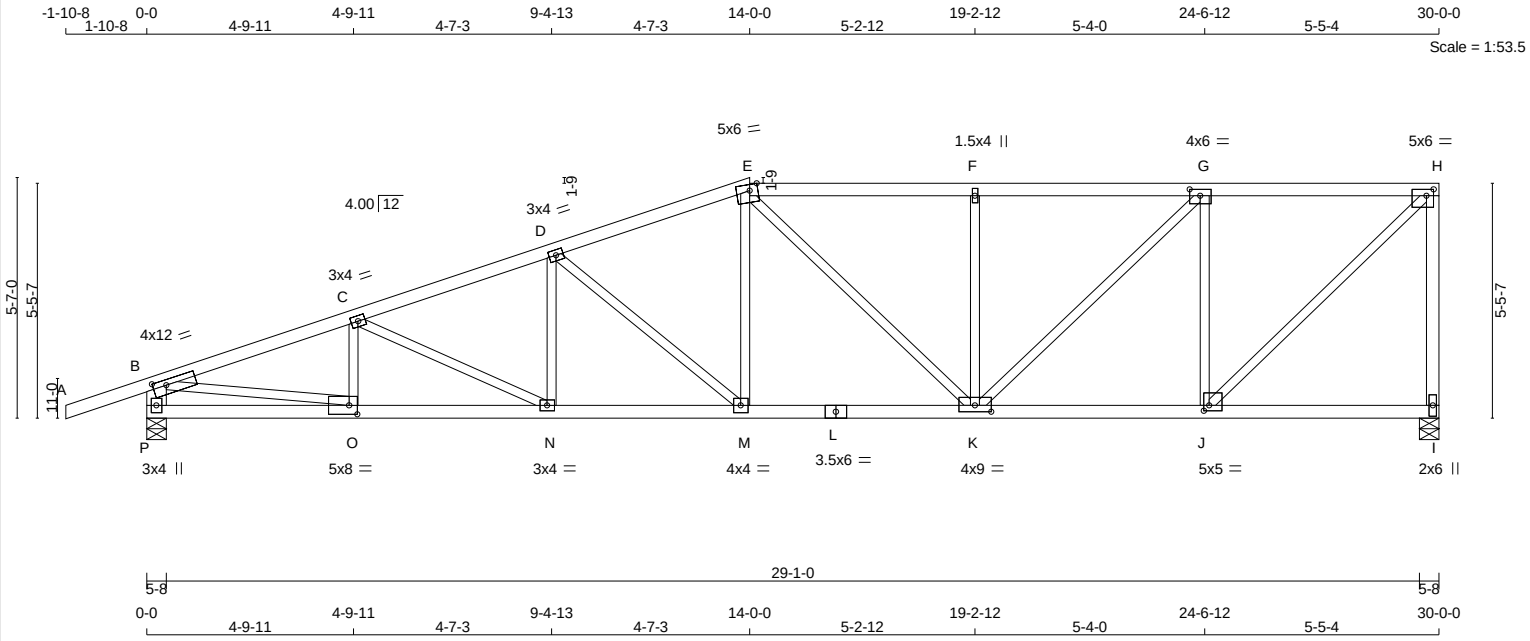

TOTAL WEIGHT = 124 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - E	2x4	DRY	1650F 1.5E	SPF
E - H	2x4	DRY	1650F 1.5E	SPF
I - H	2x4	DRY	1650F 1.5E	SPF
P - B	2x6	DRY	1650F 1.5E	SPF
P - L	2x4	DRY	1650F 1.5E	SPF
L - I	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	4.0	12.0	1.50	3.75
C	TMWW-t	MT20	3.0	4.0		
D	TMWW-t	MT20	3.0	4.0		
E	TTWW-m	MT20	5.0	6.0	Edge	2.25
F	TMW+w	MT20	1.5	4.0		
G	TMWW-t	MT20	4.0	6.0	1.75	3.00
H	TMVW-t	MT20	5.0	6.0	1.75	2.00
I	BMV1+p	MT20	2.0	6.0		
J	BMWW-t	MT20	5.0	5.0	1.50	1.50
K	BMWWW-t	MT20	4.0	9.0	1.75	4.50
L	BS-t	MT20	3.5	6.0		
M	BMWW-t	MT20	4.0	4.0		
N	BMWW-t	MT20	3.0	4.0		
O	BMWW-t	MT20	5.0	8.0	2.50	2.25
P	BMV1+p	MT20	3.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
I	2353	0	2353	0	0	5-8	4-2
P	2621	0	2621	0	0	5-8	3-0

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
I	1629	1269 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0
P	1811	1431 / 0	0 / 0	0 / 0	0 / 0	379 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.38 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 42	-139.4	-139.4	0.30 (1)	10.00	O- C	-497 / 0	0.08 (1)
B- C	-4593 / 0	-139.4	-139.4	0.53 (1)	3.38	C- N	-272 / 0	0.12 (1)
C- D	-4348 / 0	-139.4	-139.4	0.48 (1)	3.50	N- D	0 / 204	0.05 (1)
D- E	-3571 / 0	-139.4	-139.4	0.43 (1)	3.85	D- M	-968 / 0	0.57 (1)
E- F	-3223 / 0	-139.4	-139.4	0.54 (1)	3.88	M- E	0 / 713	0.16 (1)
F- G	-3222 / 0	-139.4	-139.4	0.59 (1)	3.80	E- K	-209 / 0	0.23 (1)
G- H	-2116 / 0	-139.4	-139.4	0.53 (1)	4.58	K- F	-836 / 0	0.37 (1)
I- H	-2314 / 0	0.0	0.0	0.91 (1)	6.33	K- G	0 / 1539	0.35 (1)
P- B	-2572 / 0	0.0	0.0	0.10 (1)	7.23	J- G	-1901 / 0	0.85 (1)
						J- H	0 / 2916	0.66 (1)
P- O	0 / 0	-17.5	-17.5	0.08 (1)	10.00	B- O	0 / 4408	0.99 (1)
O- N	0 / 4372	-17.5	-17.5	0.58 (1)	10.00			
N- M	0 / 4127	-17.5	-17.5	0.52 (1)	10.00			
M- L	0 / 3370	-17.5	-17.5	0.43 (1)	10.00			
L- K	0 / 3370	-17.5	-17.5	0.43 (1)	10.00			
K- J	0 / 2116	-17.5	-17.5	0.30 (1)	10.00			
J- I	0 / 0	-17.5	-17.5	0.10 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.00")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.25")
ALLOWABLE DEFL.(TL)= L/360 (1.00")
CALCULATED VERT. DEFL.(TL) = L/ 902 (0.40")

CSI: TC=0.91/1.00 (H-I:1) , BC=0.58/1.00 (N-O:1) , WB=0.99/1.00 (B-O:1) , SSI=0.35/1.00 (G-H:1)

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

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) 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 (B) (INPUT = 0.90)
JSI METAL= 0.87 (L) (INPUT = 1.00)

CONTINUED ON PAGE 2

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

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	H7	1	1	Wood Creek Const.	H7X
				TRUSS DESC.	31 of 75

KAMLOOPS TRUSS LTD., Kamloops, BC V2H 1G3

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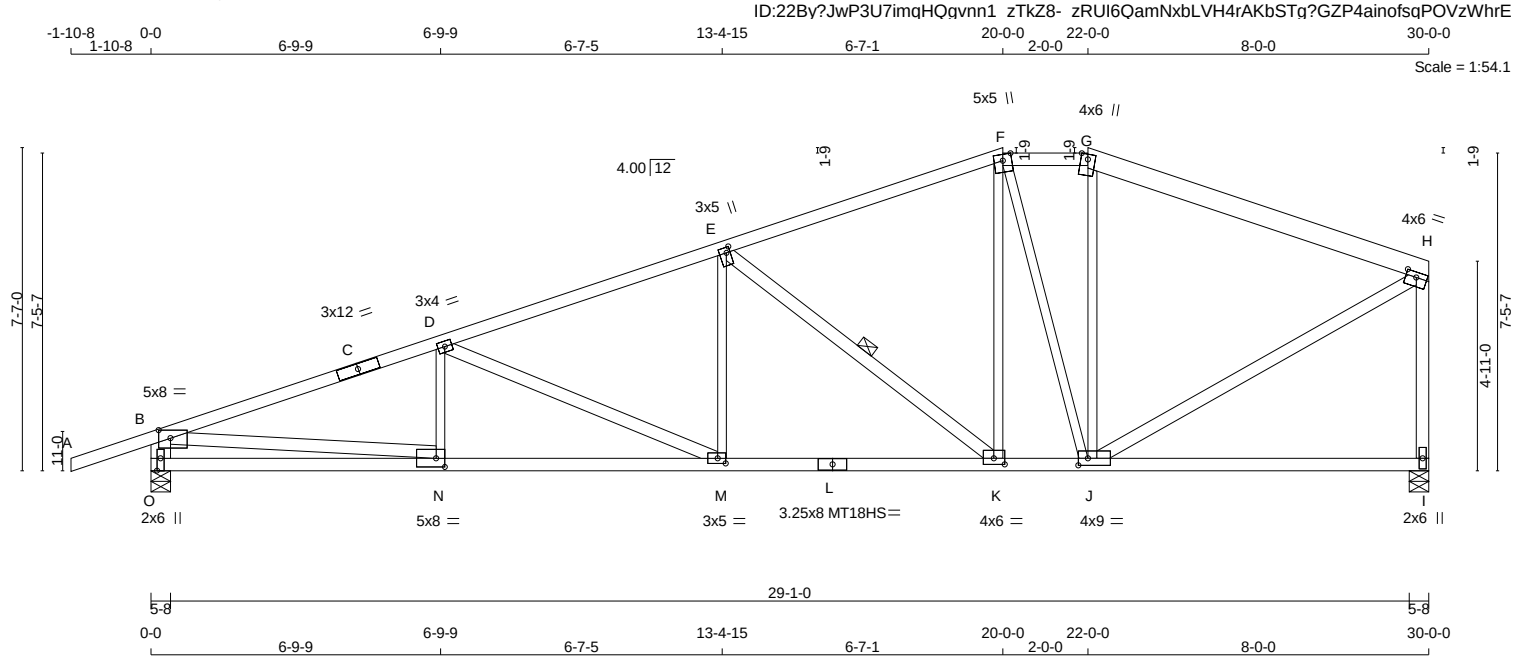

TOTAL WEIGHT = 141 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	1650F 1.5E	SPF
C - F	2x4	DRY	1650F 1.5E	SPF
F - G	2x4	DRY	1650F 1.5E	SPF
G - H	2x6	DRY	1650F 1.5E	SPF
O - B	2x6	DRY	1650F 1.5E	SPF
I - H	2x4	DRY	1650F 1.5E	SPF
O - L	2x4	DRY	1650F 1.5E	SPF
L - I	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
D - M	2x4	DRY	1650F 1.5E	SPF
E - K	2x4	DRY	1650F 1.5E	SPF
B - N	2x4	DRY	1650F 1.5E	SPF
J - H	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	2.25	3.25
C	TS-t	MT20	3.0	12.0		
D	TMWW-t	MT20	3.0	4.0		
E	TMWW+t	MT20	3.0	5.0	1.50	1.00
F	TTWW+m	MT20	5.0	5.0	Edge	
G	TTW+m	MT20	4.0	6.0	Edge	
H	TMVW-t	MT20	4.0	6.0	1.50	3.00
I	BMV1+p	MT20	2.0	6.0		
J	BMWWW-t	MT20	4.0	9.0	2.00	2.75
K	BMWW-t	MT20	4.0	6.0	1.75	3.00
L	BS-t	MT18HS	3.25	8.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
O	2621	0	2621	0	0	5-8	3-0
I	2353	0	2353	0	0	5-8	4-2

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O	1811	1431 / 0	0 / 0	0 / 0	0 / 0	379 / 0	0 / 0
I	1629	1269 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.87 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 - 1x4 LATERAL BRACE(S) AT 1/ 2 LENGTH OF E-K. DBS = 18-0-0 . CBF = 196 LBS.

DBS = DIAGONAL BRACE SPACING (MAX). CBF = CUMULATIVE BRACING FORCE (PER BRACE). FASTEN LATERAL BRACE(S) USING (0.122"X3") SPIRAL NAILS : 1 NAIL FOR 2x3 BRACE(S), 2 FOR 1x4, 2x4, 2x5, 3 FOR 2x6, 4 FOR 2x8, 5 FOR 2x10, AND 6 FOR 2x12.

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: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 42	-139.4	-139.4	0.30	(1)	10.00	N- D	-293 / 57	0.05 (1)
B- C	-4718 / 0	-139.4	-139.4	0.89	(1)	2.87	D- M	-1028 / 0	0.56 (1)
C- D	-4718 / 0	-139.4	-139.4	0.89	(1)	2.87	M- E	0 / 540	0.12 (1)
D- E	-3752 / 0	-139.4	-139.4	0.68	(1)	3.50	E- K	-1741 / 0	0.42 (1)
E- F	-2329 / 0	-139.4	-139.4	0.64	(1)	4.24	K- F	0 / 1093	0.25 (1)
F- G	-1927 / 0	-139.4	-139.4	0.08	(1)	5.38	F- J	-885 / 0	0.98 (1)
G- H	-2027 / 0	-139.4	-139.4	0.40	(1)	5.77	J- G	-102 / 62	0.10 (1)
O- B	-2565 / 0	0.0	0.0	0.10	(1)	7.23	B- N	0 / 4520	0.53 (1)
I- H	-2299 / 0	0.0	0.0	0.64	(1)	6.35	J- H	0 / 2219	0.26 (1)
O- N	0 / 0	-17.5	-17.5	0.14	(4)	10.00			
N- M	0 / 4502	-17.5	-17.5	0.60	(1)	10.00			
M- L	0 / 3560	-17.5	-17.5	0.49	(1)	10.00			
L- K	0 / 3560	-17.5	-17.5	0.49	(1)	10.00			
K- J	0 / 2174	-17.5	-17.5	0.38	(1)	10.00			
J- I	0 / 0	-17.5	-17.5	0.21	(4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.00")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.23")
ALLOWABLE DEFL.(TL)= L/360 (1.00")
CALCULATED VERT. DEFL.(TL) = L/ 936 (0.38")

CSI: TC=0.89/1.00 (B-D:1) , BC=0.60/1.00 (M-N:1) , WB=0.98/1.00 (F-J:1) , SSI=0.41/1.00 (B-D:1)

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

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873
MT18HS	586	403	2455	1382	3163	3004

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

CONTINUED ON PAGE 2

03/29/2020

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M11-7473C rev 10-08 BEFORE USE
Design valid for use onlywith MiTek connectors. This design is based upon parameters shown, and is for an idividual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer. Bracing shown is for lateral support of individual web members only. additional temporary bracing to insure stability during construction is the resposibility of the erector. Additional permanent bracing of the overall structure is the resposibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult
TPIC Appendix G - Minimum Quality Manufacturing Criteria available from www.tpic.ca and BCSI Building Component safety Information available from Truss Plate Institute, 781 N. Lee Street, alexandria, VA 22314.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
M	BMWW-t	MT20	3.0	5.0	1.50	2.25
N	BMWW-t	MT20	5.0	8.0	2.50	2.50
O	BMV1+p	MT20	2.0	6.0	Edge	1.00

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

JSI GRIP= 0.89 (N) (INPUT = 0.90)
JSI METAL= 0.80 (N) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	H8	1	1	Wood Creek Const.	33 of 75
				TRUSS DESC.	

KAMLOOPS TRUSS LTD., Kamloops, BC V2H 1G3

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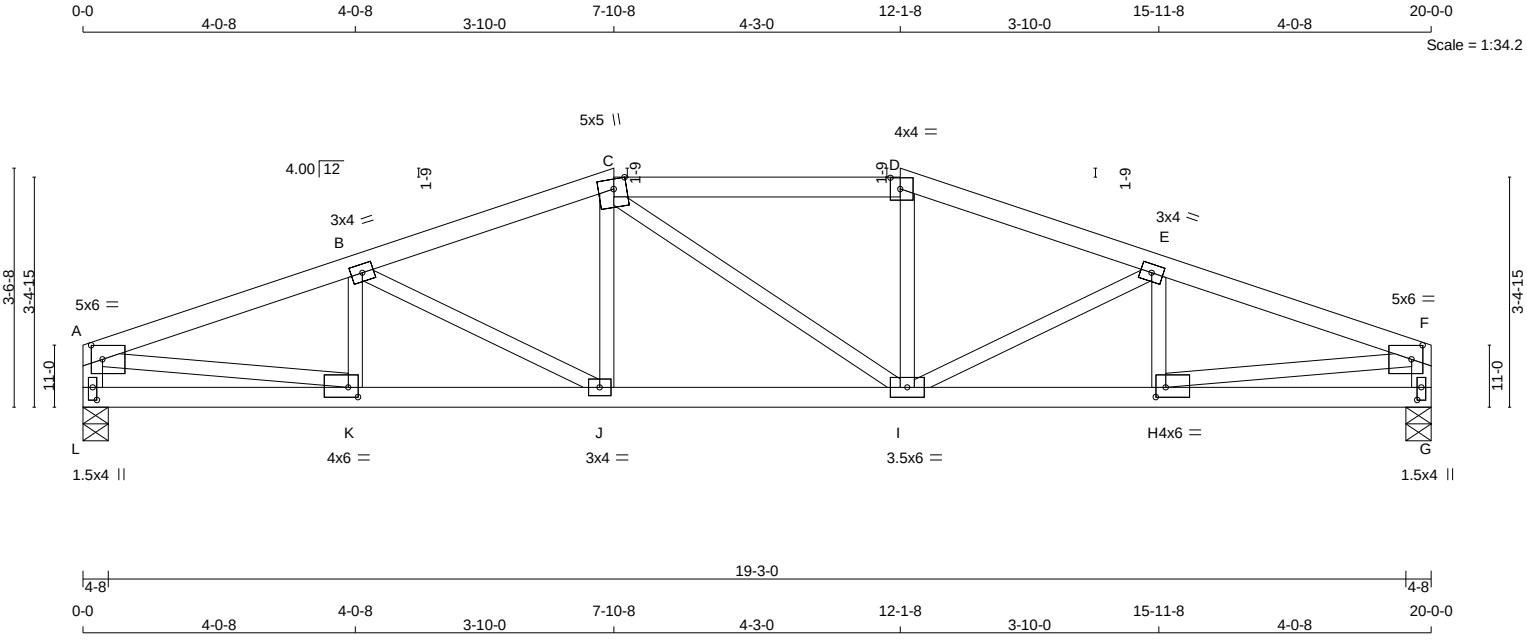

TOTAL WEIGHT = 72 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	1650F 1.5E	SPF
C - D	2x4	DRY	1650F 1.5E	SPF
D - F	2x4	DRY	1650F 1.5E	SPF
L - A	2x4	DRY	1650F 1.5E	SPF
G - F	2x4	DRY	1650F 1.5E	SPF
L - G	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	5.0	6.0	2.50	2.00
B	TMWW-t	MT20	3.0	4.0		
C	TTWW+m	MT20	5.0	5.0	Edge	2.25
D	TTW-l	MT20	4.0	4.0	2.00	1.75
E	TMWW-t	MT20	3.0	4.0		
F	TMVW-p	MT20	5.0	6.0	2.50	2.00
G	BMV1+p	MT20	1.5	4.0	2.25	0.75
H	BMWW-t	MT20	4.0	6.0	1.75	1.75
I	BMWWW-t	MT20	3.5	6.0		
J	BMWW-t	MT20	3.0	4.0		
K	BMWW-t	MT20	4.0	6.0	1.75	1.75
L	BMV1+p	MT20	1.5	4.0	2.25	0.75

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	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
L	1569	0	1569	0	0	4-8	1-14
G	1569	0	1569	0	0	4-8	1-14

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	1086	846 / 0	0 / 0	0 / 0	0 / 0	240 / 0	0 / 0
G	1086	846 / 0	0 / 0	0 / 0	0 / 0	240 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.49 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM (PLF)	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	-2798 / 0	-139.4	-139.4	0.24 (1)	4.49
B- C	-2502 / 0	-139.4	-139.4	0.22 (1)	4.71
C- D	-2361 / 0	-139.4	-139.4	0.30 (1)	4.72
D- E	-2502 / 0	-139.4	-139.4	0.22 (1)	4.71
E- F	-2797 / 0	-139.4	-139.4	0.24 (1)	4.49
L- A	-1526 / 0	0.0	0.0	0.10 (1)	7.42
G- F	-1526 / 0	0.0	0.0	0.10 (1)	7.42
L- K	0 / 0	-17.5	-17.5	0.06 (1)	10.00
K- J	0 / 2670	-17.5	-17.5	0.36 (1)	10.00
J- I	0 / 2361	-17.5	-17.5	0.30 (1)	10.00
I- H	0 / 2670	-17.5	-17.5	0.36 (1)	10.00
H- G	0 / 0	-17.5	-17.5	0.06 (1)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
K- B	-361 / 0	0.06 (1)
B- J	-341 / 0	0.10 (1)
J- C	0 / 244	0.05 (1)
C- I	0 / 0	0.00 (1)
I- D	0 / 244	0.05 (1)
I- E	-340 / 0	0.10 (1)
H- E	-361 / 0	0.06 (1)
A- K	0 / 2701	0.61 (1)
H- F	0 / 2701	0.61 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.67")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.11")
ALLOWABLE DEFL.(TL)= L/360 (0.67")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.18")

CSI: TC=0.30/1.00 (C-D:1) , BC=0.36/1.00 (J-K:1) , WB=0.61/1.00 (A-K:1) , SSI=0.25/1.00 (E-F:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (A) (INPUT = 0.90)
JSI METAL= 0.64 (K) (INPUT = 1.00)

03/29/2020

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	H9	1	1	Wood Creek Const. TRUSS DESC.	34 of 75 **H9X**

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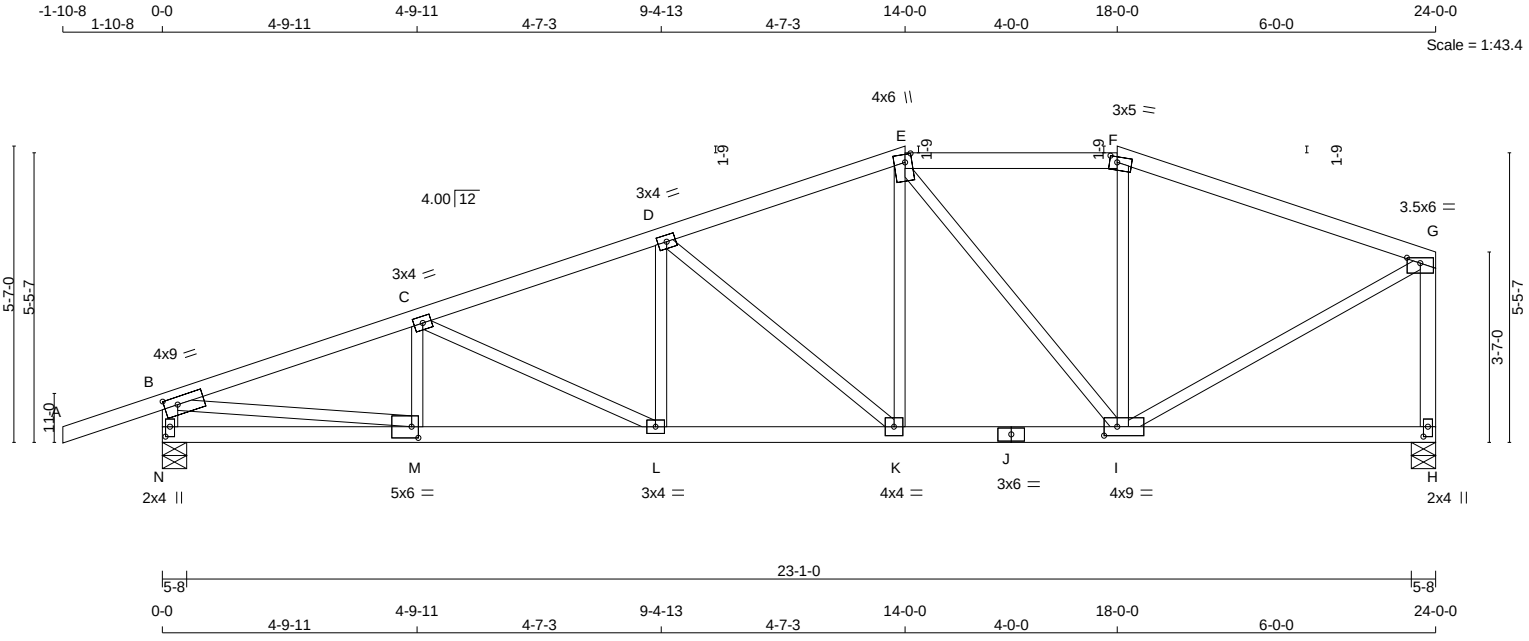

TOTAL WEIGHT = 97 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - E	2x4	DRY	1650F 1.5E	SPF
E - F	2x4	DRY	1650F 1.5E	SPF
F - G	2x4	DRY	2100F 1.8E	SPF
N - B	2x4	DRY	1650F 1.5E	SPF
H - G	2x4	DRY	1650F 1.5E	SPF
N - J	2x4	DRY	1650F 1.5E	SPF
J - H	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	4.0	9.0	1.75	3.00
C	TMWW-t	MT20	3.0	4.0		
D	TMWW-t	MT20	3.0	4.0		
E	TTWW+m	MT20	4.0	6.0	1.75	1.50
F	TTW-m	MT20	3.0	5.0	1.25	1.75
G	TMVW-p	MT20	3.5	6.0	1.25	3.00
H	BMV1+p	MT20	2.0	4.0	2.25	1.00
I	BMWWW-t	MT20	4.0	9.0	2.00	3.00
J	BS-t	MT20	3.0	6.0		
K	BMWW-t	MT20	4.0	4.0		
L	BMWW-t	MT20	3.0	4.0		
M	BMWW-t	MT20	5.0	6.0	2.50	1.50
N	BMV1+p	MT20	2.0	4.0	2.25	1.00

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
N	2150	0	2150	0	0	5-8	3-8
H	1883	0	1883	0	0	5-8	2-13

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	SNOW	MAX./MIN. COMPONENT REACTIONS LIVE	PERM.LIVE	WIND	DEAD	SOIL
N	1485	1178 / 0	0 / 0	0 / 0	0 / 0	307 / 0	0 / 0
H	1303	1015 / 0	0 / 0	0 / 0	0 / 0	288 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.93 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	FORCE (LBS)	MAX CSI (LC)
A- B	0 / 42	-139.4	-139.4	0.30 (1)	10.00	M- C	-364 / 6	0.06 (1)
B- C	-3531 / 0	-139.4	-139.4	0.39 (1)	3.93	C- L	-461 / 0	0.20 (1)
C- D	-3109 / 0	-139.4	-139.4	0.30 (1)	4.24	L- D	0 / 292	0.07 (1)
D- E	-2244 / 0	-139.4	-139.4	0.30 (1)	4.83	D- K	-1083 / 0	0.63 (1)
E- F	-1618 / 0	-139.4	-139.4	0.25 (1)	5.52	K- E	0 / 759	0.17 (1)
F- G	-1697 / 0	-139.4	-139.4	0.44 (1)	5.50	E- I	-787 / 0	0.63 (1)
N- B	-2104 / 0	0.0	0.0	0.13 (1)	6.58	I- F	-175 / 45	0.08 (1)
H- G	-1839 / 0	0.0	0.0	0.27 (1)	6.91	I- G	0 / 1849	0.42 (1)
						B- M	0 / 3394	0.76 (1)
N- M	0 / 0	-17.5	-17.5	0.07 (4)	10.00			
M- L	0 / 3366	-17.5	-17.5	0.45 (1)	10.00			
L- K	0 / 2951	-17.5	-17.5	0.37 (1)	10.00			
K- J	0 / 2105	-17.5	-17.5	0.30 (1)	10.00			
J- I	0 / 2105	-17.5	-17.5	0.30 (1)	10.00			
I- H	0 / 0	-17.5	-17.5	0.11 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.80")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.15")
ALLOWABLE DEFL.(TL)= L/360 (0.80")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.24")

CSI: TC=0.44/1.00 (F-G:1) , BC=0.45/1.00 (L-M:1) , WB=0.76/1.00 (B-M:1) , SSI=0.31/1.00 (F-G:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (N) (INPUT = 0.90)
JSI METAL= 0.77 (M) (INPUT = 1.00)

03/29/2020

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	H10	1	1	Wood Creek Const.	H10X
				TRUSS DESC.	35 of 75

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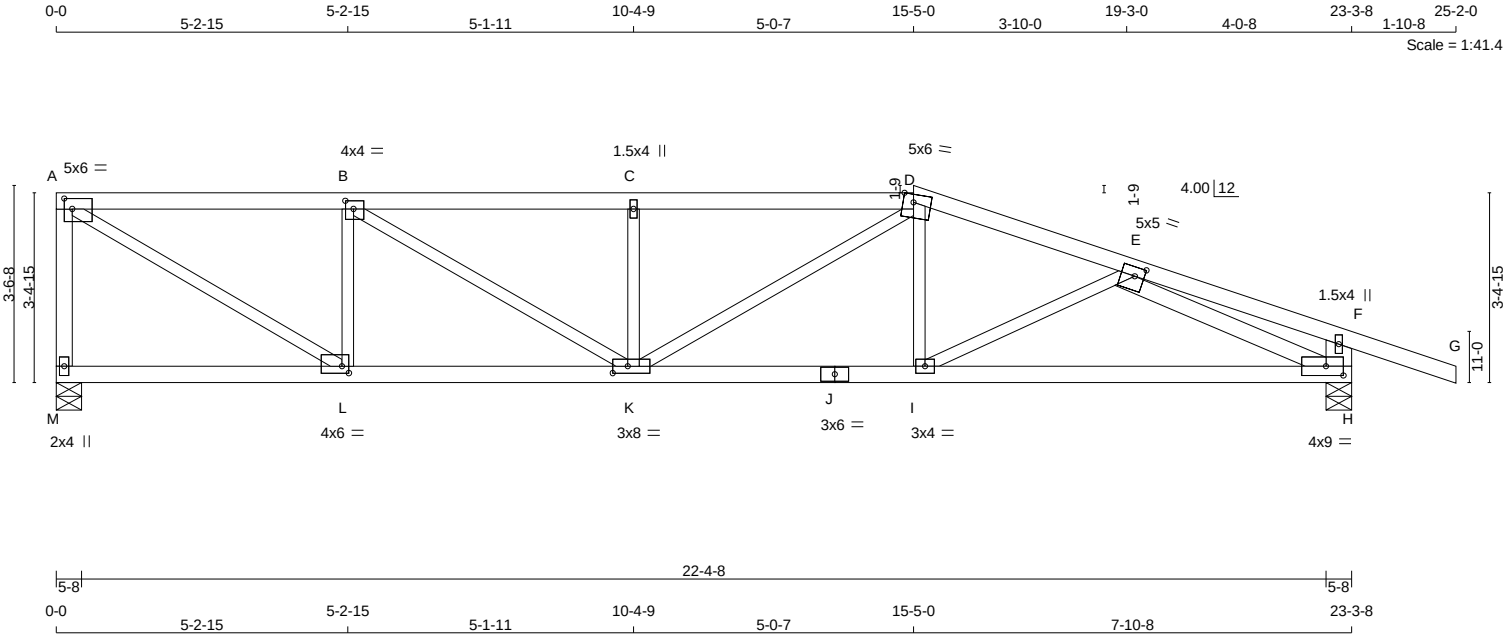

TOTAL WEIGHT = 89 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
M - A	2x4	DRY	1650F 1.5E	SPF
A - D	2x4	DRY	1650F 1.5E	SPF
D - G	2x4	DRY	1650F 1.5E	SPF
H - F	2x6	DRY	1650F 1.5E	SPF
M - J	2x4	DRY	1650F 1.5E	SPF
J - H	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
E - H	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	5.0	6.0	2.25	1.75
B	TMWW-t	MT20	4.0	4.0	1.75	1.75
C	TMW+w	MT20	1.5	4.0		
D	TTWW-m	MT20	5.0	6.0	Edge	2.25
E	TMWW-t	MT20	5.0	5.0	2.00	2.00
F	TMV+p	MT20	1.5	4.0		
H	BMVW1-t	MT20	4.0	9.0	2.00	3.75
I	BMWW-t	MT20	3.0	4.0		
J	BS-t	MT20	3.0	6.0		
K	BMWWW-t	MT20	3.0	8.0	1.50	3.25
L	BMWW-t	MT20	4.0	6.0	1.50	1.50
M	BMV1+p	MT20	2.0	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 VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
M	1827	0	1827	0	0	5-8	2-11
H	2095	0	2095	0	0	5-8	2-4

UNFACTORED REACTIONS

1ST LCASE — MAX./MIN. COMPONENT REACTIONS

JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1265	985 / 0	0 / 0	0 / 0	0 / 0	280 / 0	0 / 0
H	1446	1148 / 0	0 / 0	0 / 0	0 / 0	299 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.75 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
M- A	-1787 / 0	0.0	0.0	0.23 (1)	6.99	A- L	0 / 2915	0.66 (1)
A- B	-2506 / 0	-139.4	-139.4	0.50 (1)	4.34	L- B	-1386 / 0	0.28 (1)
B- C	-3473 / 0	-139.4	-139.4	0.55 (1)	3.75	B- K	0 / 1131	0.25 (1)
C- D	-3474 / 0	-139.4	-139.4	0.49 (1)	3.82	K- C	-808 / 0	0.16 (1)
D- E	-3187 / 0	-139.4	-139.4	0.31 (1)	4.16	K- D	0 / 541	0.12 (1)
E- F	0 / 17	-139.4	-139.4	0.24 (1)	10.00	I- D	0 / 211	0.05 (1)
F- G	0 / 42	-139.4	-139.4	0.30 (1)	10.00	I- E	-158 / 58	0.05 (1)
H- F	-494 / 0	0.0	0.0	0.02 (1)	7.81	E- H	-3519 / 0	0.57 (1)
M- L	0 / 0	-17.5	-17.5	0.10 (4)	10.00			
L- K	0 / 2506	-17.5	-17.5	0.34 (1)	10.00			
K- J	0 / 3016	-17.5	-17.5	0.43 (1)	10.00			
J- I	0 / 3016	-17.5	-17.5	0.43 (1)	10.00			
I- H	0 / 3163	-17.5	-17.5	0.48 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.78")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.18")
ALLOWABLE DEFL.(TL)= L/360 (0.78")
CALCULATED VERT. DEFL.(TL) = L/ 989 (0.28")

CSI: TC=0.55/1.00 (B-C:1) , BC=0.48/1.00 (H-I:1) , WB=0.66/1.00 (A-L:1) , SSI=0.34/1.00 (A-B:1)

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

AUTOSOLVE LEFT HEEL ONLY

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) 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 (M) (INPUT = 0.90)
JSI METAL= 0.92 (E) (INPUT = 1.00)

03/29/2020

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	H11	1	1	Wood Creek Const.	H11X
				TRUSS DESC.	36 of 75

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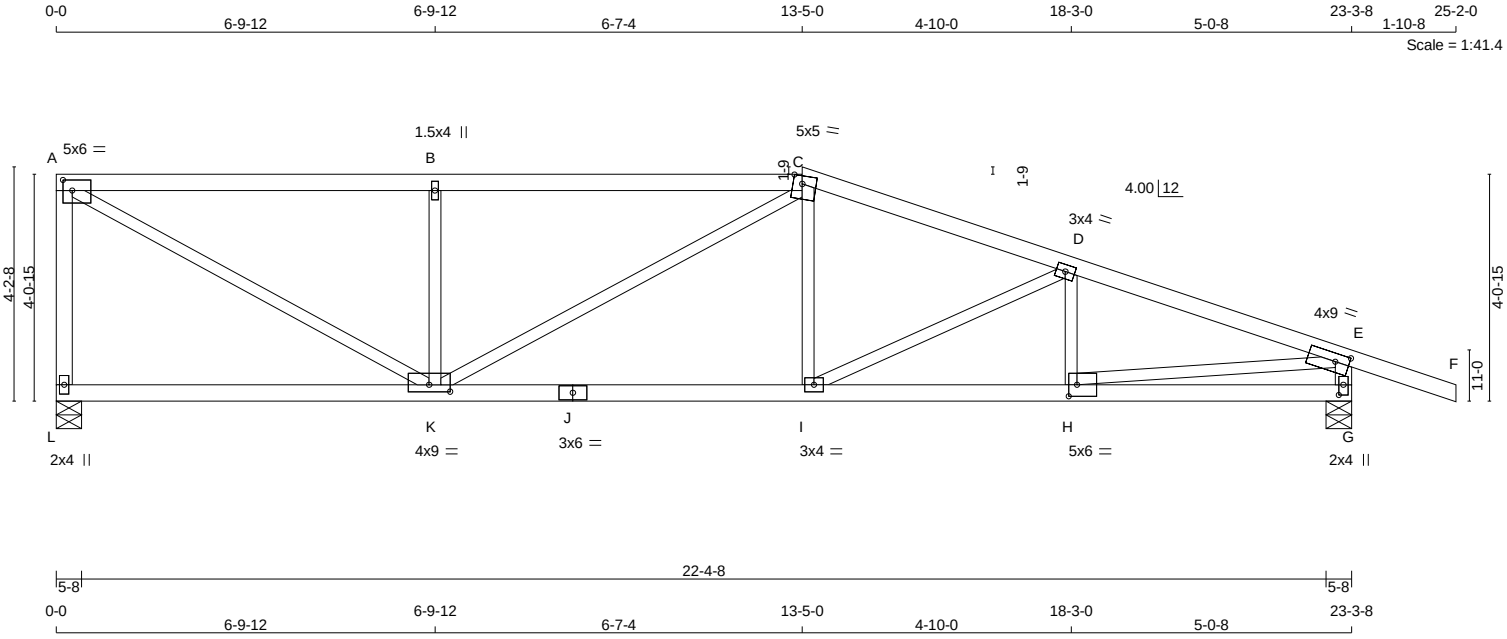

TOTAL WEIGHT = 88 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
L - A	2x4	DRY	1650F 1.5E	SPF
A - C	2x4	DRY	2100F 1.8E	SPF
C - F	2x4	DRY	1650F 1.5E	SPF
G - E	2x4	DRY	1650F 1.5E	SPF
L - J	2x4	DRY	1650F 1.5E	SPF
J - G	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	5.0	6.0	2.25	2.00
B	TMW+w	MT20	1.5	4.0		
C	TTWW-m	MT20	5.0	5.0	1.75	2.00
D	TMWW-t	MT20	3.0	4.0		
E	TMVW-t	MT20	4.0	9.0	1.75	3.00
G	BMV1+p	MT20	2.0	4.0	2.25	1.00
H	BMWW-t	MT20	5.0	6.0	2.50	1.75
I	BMWW-t	MT20	3.0	4.0		
J	BS-t	MT20	3.0	6.0		
K	BMWWW-t	MT20	4.0	9.0	1.50	4.50
L	BMV1+p	MT20	2.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
L	1827	0	1827	0	0	5-8	2-11
G	2095	0	2095	0	0	5-8	3-5

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
L	1265	985 / 0	0 / 0	0 / 0	0 / 0	280 / 0	0 / 0
G	1446	1148 / 0	0 / 0	0 / 0	0 / 0	299 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.75 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
L- A	-1776 / 0	0.0	0.0	0.33 (1)	7.00	A- K	0 / 2906	0.65 (1)
A- B	-2540 / 0	-139.4	-139.4	0.83 (1)	4.00	K- B	-1182 / 0	0.30 (1)
B- C	-2541 / 0	-139.4	-139.4	0.82 (1)	4.00	K- C	-200 / 0	0.24 (1)
C- D	-2883 / 0	-139.4	-139.4	0.52 (1)	4.07	I- C	0 / 389	0.09 (1)
D- E	-3446 / 0	-139.4	-139.4	0.56 (1)	3.75	I- D	-631 / 0	0.29 (1)
E- F	0 / 42	-139.4	-139.4	0.30 (1)	10.00	H- D	-337 / 13	0.05 (1)
G- E	-2046 / 0	0.0	0.0	0.13 (1)	6.64	H- E	0 / 3315	0.75 (1)
L- K	0 / 0	-17.5	-17.5	0.17 (4)	10.00			
K- J	0 / 2713	-17.5	-17.5	0.38 (1)	10.00			
J- I	0 / 2713	-17.5	-17.5	0.38 (1)	10.00			
I- H	0 / 3291	-17.5	-17.5	0.44 (1)	10.00			
H- G	0 / 0	-17.5	-17.5	0.08 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.78")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.15")
ALLOWABLE DEFL.(TL)= L/360 (0.78")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.26")

CSI: TC=0.83/1.00 (A-B:1) , BC=0.44/1.00 (H-I:1) , WB=0.75/1.00 (E-H:1) , SSI=0.46/1.00 (A-B:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (A) (INPUT = 0.90)
JSI METAL= 0.85 (J) (INPUT = 1.00)

03/29/2020

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	H12	1	1	Wood Creek Const.	**H12X**
				TRUSS DESC.	37 of 75

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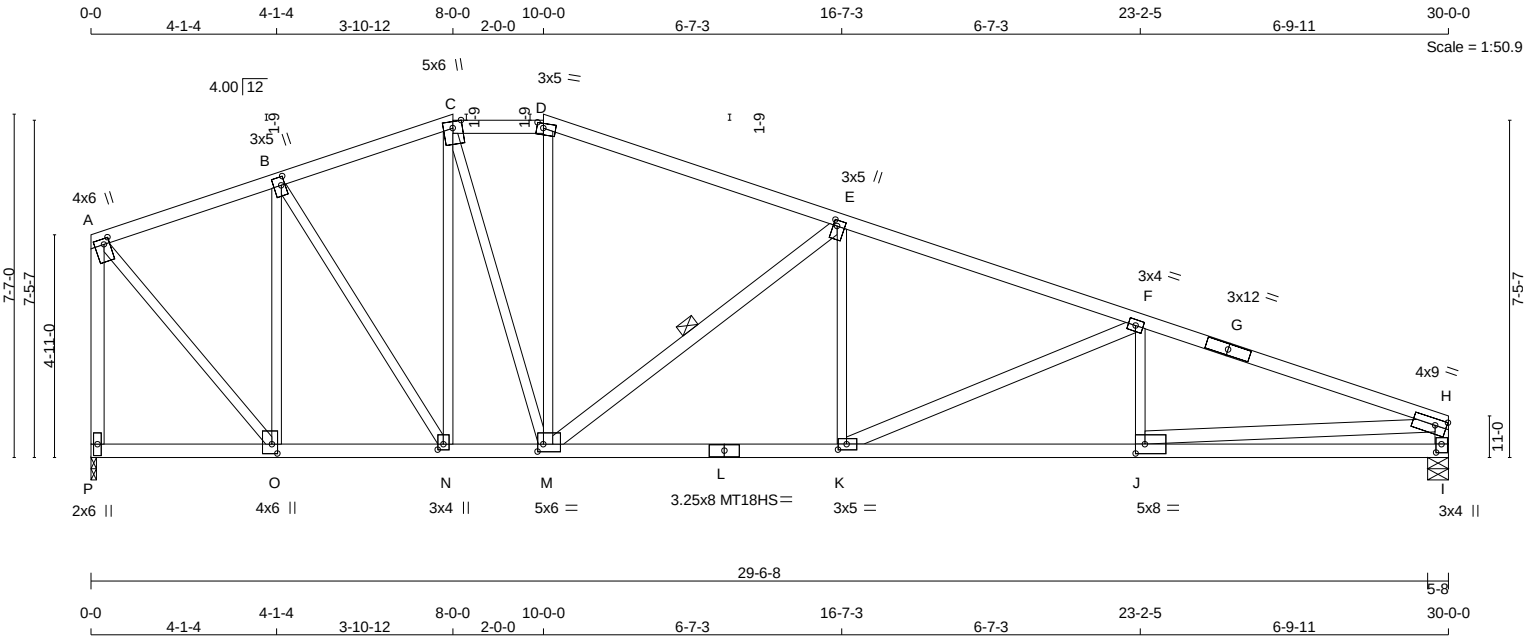

TOTAL WEIGHT = 138 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x4	DRY	1650F 1.5E	SPF
C - D	2x4	DRY	1650F 1.5E	SPF
D - G	2x4	DRY	1650F 1.5E	SPF
G - H	2x4	DRY	1650F 1.5E	SPF
P - A	2x4	DRY	1650F 1.5E	SPF
I - H	2x4	DRY	1650F 1.5E	SPF
P - L	2x4	DRY	1650F 1.5E	SPF
L - I	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
M - E	2x4	DRY	1650F 1.5E	SPF
K - F	2x4	DRY	1650F 1.5E	SPF
J - H	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+t	MT20	4.0	6.0	1.50	1.50
B	TMWW+t	MT20	3.0	5.0	2.25	1.00
C	TTWW+m	MT20	5.0	6.0	Edge	
D	TTW-m	MT20	3.0	5.0	1.25	1.75
E	TMWW+t	MT20	3.0	5.0	1.50	1.00
F	TMWW-t	MT20	3.0	4.0		
G	TS-t	MT20	3.0	12.0		
H	TMVW-t	MT20	4.0	9.0	1.75	3.00
I	BMV1+p	MT20	3.0	4.0	2.25	1.50
J	BMWW-t	MT20	5.0	8.0	2.50	2.50
K	BMWW-t	MT20	3.0	5.0	1.50	2.25
L	BS-t	MT18HS	3.25	8.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
P	2353	0	2353	0	0	1-8	
I	2353	0	2353	0	0	5-8	4-2

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
P	1629	1269 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0
I	1629	1269 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 2.87 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 - 1x4 LATERAL BRACE(S) AT 1/ 2 LENGTH OF E-M. DBS = 18-0-0 . CBF = 196 LBS.

DBS = DIAGONAL BRACE SPACING (MAX). CBF = CUMULATIVE BRACING FORCE (PER BRACE). FASTEN LATERAL BRACE(S) USING (0.122"X3") SPIRAL NAILS : 1 NAIL FOR 2x3 BRACE(S), 2 FOR 1x4, 2x4, 2x5, 3 FOR 2x6, 4 FOR 2x8, 5 FOR 2x10, AND 6 FOR 2x12.

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: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	-1499 / 0	-139.4	-139.4	0.25 (1)	5.69
B- C	-2018 / 0	-139.4	-139.4	0.25 (1)	5.08
C- D	-2189 / 0	-139.4	-139.4	0.08 (1)	5.11
D- E	-2332 / 0	-139.4	-139.4	0.64 (1)	4.24
E- F	-3752 / 0	-139.4	-139.4	0.68 (1)	3.50
F- G	-4718 / 0	-139.4	-139.4	0.89 (1)	2.87
G- H	-4718 / 0	-139.4	-139.4	0.89 (1)	2.87
P- A	-2323 / 0	0.0	0.0	0.72 (1)	6.32
I- H	-2298 / 0	0.0	0.0	0.15 (1)	6.35
P- O	0 / 0	-17.5	-17.5	0.06 (4)	10.00
O- N	0 / 1441	-17.5	-17.5	0.20 (1)	10.00
N- M	0 / 1914	-17.5	-17.5	0.25 (1)	10.00
M- L	0 / 3560	-17.5	-17.5	0.48 (1)	10.00
L- K	0 / 3560	-17.5	-17.5	0.48 (1)	10.00
K- J	0 / 4502	-17.5	-17.5	0.59 (1)	10.00
J- I	0 / 0	-17.5	-17.5	0.14 (4)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
O- B	-1544 / 0	0.98 (1)
B- N	0 / 864	0.19 (1)
N- C	-685 / 0	0.71 (1)
C- M	0 / 986	0.22 (1)
M- D	0 / 201	0.05 (1)
M- E	-1738 / 0	0.42 (1)
K- E	0 / 536	0.12 (1)
K- F	-1027 / 0	0.56 (1)
J- F	-292 / 58	0.05 (1)
A- O	0 / 2170	0.49 (1)
J- H	0 / 4520	0.53 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.00")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.24")
ALLOWABLE DEFL.(TL)= L/360 (1.00")
CALCULATED VERT. DEFL.(TL) = L/ 922 (0.39")

CSI: TC=0.89/1.00 (F-H:1) , BC=0.59/1.00 (J-K:1) , WB=0.98/1.00 (B-O:1) , SSI=0.41/1.00 (F-H:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873
MT18HS	586	403	2455	1382	3163	3004

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (M) (INPUT = 0.90)
JSI METAL= 0.80 (J) (INPUT = 1.00)

CONTINUED ON PAGE 2

03/29/2020

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
M	BMWW-t	MT20	5.0	6.0	2.00	1.50
N	BMWW+t	MT20	3.0	4.0	1.50	1.50
O	BMWW+t	MT20	4.0	6.0	2.50	1.50
P	BMV1+p	MT20	2.0	6.0		

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

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	H13	1	1	Wood Creek Const.	39 of 75
				TRUSS DESC.	

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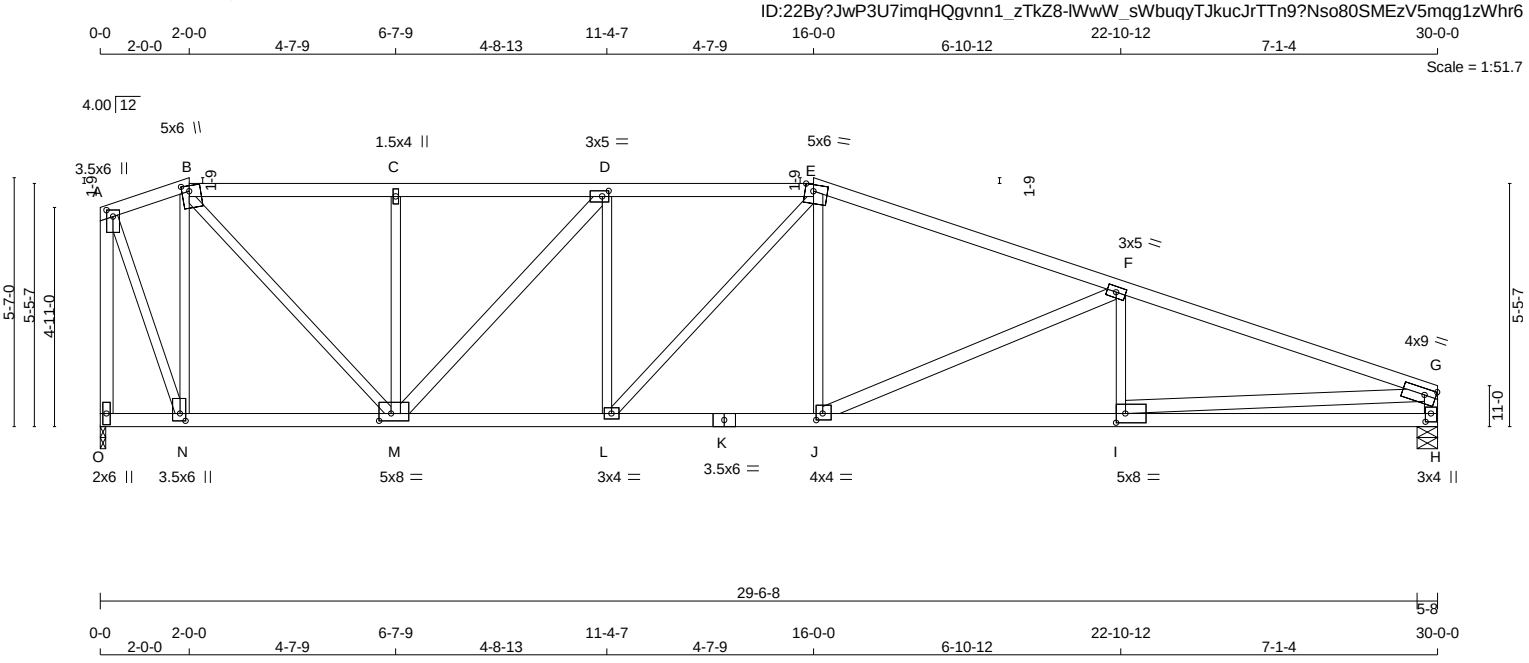

TOTAL WEIGHT = 131 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - B	2x4	DRY	1650F 1.5E	SPF
B - E	2x4	DRY	1650F 1.5E	SPF
E - G	2x4	DRY	2100F 1.8E	SPF
O - A	2x4	DRY	1650F 1.5E	SPF
H - G	2x4	DRY	1650F 1.5E	SPF
O - K	2x4	DRY	1650F 1.5E	SPF
K - H	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
M - D	2x4	DRY	1650F 1.5E	SPF
J - F	2x4	DRY	1650F 1.5E	SPF
I - G	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	3.5	6.0	1.75	1.75
B	TTWW+m	MT20	5.0	6.0	1.50	2.00
C	TMW+w	MT20	1.5	4.0		
D	TMWW-t	MT20	3.0	5.0	1.50	1.75
E	TTWW-m	MT20	5.0	6.0	Edge	2.25
F	TMWW-t	MT20	3.0	5.0		
G	TMVW-t	MT20	4.0	9.0	1.75	3.00
H	BMV1+p	MT20	3.0	4.0	2.25	1.50
I	BMWW-t	MT20	5.0	8.0	2.50	2.50
J	BMWW-t	MT20	4.0	4.0	1.75	1.75
K	BS-t	MT20	3.5	6.0		
L	BMWW-t	MT20	3.0	4.0		
M	BMWWW-t	MT20	5.0	8.0	2.00	3.25

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
O	2353	0	2353	0	0	1-8	
H	2353	0	2353	0	0	5-8	4-2

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O	1629	1269 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0
H	1629	1269 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	-843 / 0	-139.4	-139.4	0.06 (1)	6.25
B- C	-2414 / 0	-139.4	-139.4	0.30 (1)	4.69
C- D	-2413 / 0	-139.4	-139.4	0.29 (1)	4.69
D- E	-3282 / 0	-139.4	-139.4	0.33 (1)	4.11
E- F	-3595 / 0	-139.4	-139.4	0.67 (1)	3.80
F- G	-4764 / 0	-139.4	-139.4	0.79 (1)	3.25
O- A	-2347 / 0	0.0	0.0	0.72 (1)	6.30
H- G	-2297 / 0	0.0	0.0	0.15 (1)	6.36
O- N	0 / 0	-17.5	-17.5	0.05 (4)	10.00
N- M	0 / 844	-17.5	-17.5	0.14 (1)	10.00
M- L	0 / 3280	-17.5	-17.5	0.42 (1)	10.00
L- K	0 / 3374	-17.5	-17.5	0.45 (1)	10.00
K- J	0 / 3374	-17.5	-17.5	0.45 (1)	10.00
J- I	0 / 4553	-17.5	-17.5	0.59 (1)	10.00
I- H	0 / 0	-17.5	-17.5	0.17 (4)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
N- B	-1894 / 0	0.89 (1)
B- M	0 / 2364	0.53 (1)
M- C	-743 / 0	0.33 (1)
M- D	-1283 / 0	0.63 (1)
L- D	0 / 181	0.04 (4)
L- E	-140 / 0	0.13 (1)
J- E	0 / 623	0.14 (1)
J- F	-1274 / 0	0.75 (1)
I- F	-270 / 71	0.05 (1)
A- N	0 / 2123	0.48 (1)
I- G	0 / 4570	0.53 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.00")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.23")
ALLOWABLE DEFL.(TL)= L/360 (1.00")
CALCULATED VERT. DEFL.(TL) = L/ 919 (0.39")

CSI: TC=0.79/1.00 (F-G:1) , BC=0.59/1.00 (I-J:1) , WB=0.89/1.00 (B-N:1) , SSI=0.45/1.00 (F-G:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (D) (INPUT = 0.90)
JSI METAL= 0.83 (K) (INPUT = 1.00)

CONTINUED ON PAGE 2

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PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
N	BMWW+t	MT20	3.5	6.0	2.00	1.50
O	BMV1+p	MT20	2.0	6.0		

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

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	H14	1	1	Wood Creek Const.	41 of 75
				TRUSS DESC.	

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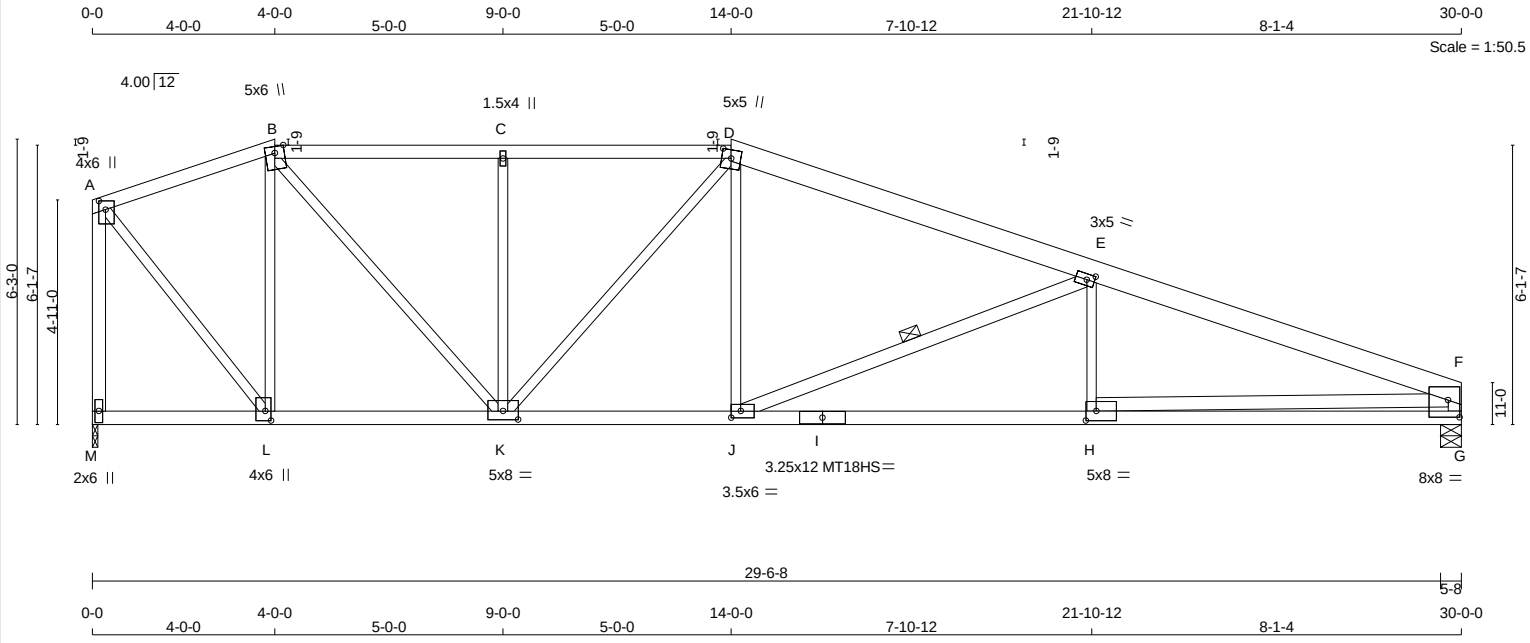

TOTAL WEIGHT = 137 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - B	2x4	DRY	1650F 1.5E	SPF
B - D	2x4	DRY	1650F 1.5E	SPF
D - F	2x6	DRY	1650F 1.5E	SPF
M - A	2x4	DRY	1650F 1.5E	SPF
G - F	2x4	DRY	1650F 1.5E	SPF
M - I	2x4	DRY	1650F 1.5E	SPF
I - G	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
J - E	2x4	DRY	1650F 1.5E	SPF
H - F	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW+p	MT20	4.0	6.0	2.25	1.75
B	TTWW+m	MT20	5.0	6.0	Edge	
C	TMW+w	MT20	1.5	4.0		
D	TTWW+m	MT20	5.0	5.0	2.25	2.50
E	TMWW-t	MT20	3.0	5.0	1.50	2.00
F						
G						
G	TMBMVW1*-l	MT20	8.0	8.0	4.50	3.00
H	BMWW-t	MT20	5.0	8.0	2.50	2.75
I	BS-t	MT18HS	3.25	12.0		
J	BMWW-t	MT20	3.5	6.0	1.75	2.50
K	BMWWW-t	MT20	5.0	8.0	2.25	4.00
L	BMWW+t	MT20	4.0	6.0	2.50	1.50
M	BMV1+p	MT20	2.0	6.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
M	2353	0	2353	0	0	1-8	
G	2353	0	2353	0	0	5-8	4-2

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1629	1269 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0
G	1629	1269 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 4.13 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 - 1x4 LATERAL BRACE(S) AT 1/ 2 LENGTH OF E-J. DBS = 18-0-0 . CBF = 194 LBS.

DBS = DIAGONAL BRACE SPACING (MAX). CBF = CUMULATIVE BRACING FORCE (PER BRACE). FASTEN LATERAL BRACE(S) USING (0.122"X3") SPIRAL NAILS : 1 NAIL FOR 2x3 BRACE(S), 2 FOR 1x4, 2x4, 2x5, 3 FOR 2x6, 4 FOR 2x8, 5 FOR 2x10, AND 6 FOR 2x12.

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: (4)

CHORDS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	-1432 / 0	-139.4	-139.4	0.25 (1)	5.78
B- C	-2618 / 0	-139.4	-139.4	0.40 (1)	4.41
C- D	-2617 / 0	-139.4	-139.4	0.40 (1)	4.41
D- E	-3230 / 0	-139.4	-139.4	0.36 (1)	4.91
E- F	-4834 / 0	-139.4	-139.4	0.42 (1)	4.13
M- A	-2330 / 0	0.0	0.0	0.72 (1)	6.32
G- F	-2291 / 0	0.0	0.0	0.15 (1)	6.36
M- L	0 / 0	-17.5	-17.5	0.07 (4)	10.00
L- K	0 / 1392	-17.5	-17.5	0.21 (1)	10.00
K- J	0 / 3017	-17.5	-17.5	0.43 (1)	10.00
J- I	0 / 4621	-17.5	-17.5	0.62 (1)	10.00
I- H	0 / 4621	-17.5	-17.5	0.62 (1)	10.00
H- G	0 / 0	-17.5	-17.5	0.22 (4)	10.00

WEBS

MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
L- B	-1522 / 0	0.94 (1)
K- C	0 / 1892	0.43 (1)
K- D	-903 / 0	0.53 (1)
J- D	-616 / 0	0.74 (1)
J- E	0 / 783	0.18 (1)
H- E	-1721 / 0	0.44 (1)
A- L	-153 / 115	0.04 (4)
H- F	0 / 2116	0.48 (1)
	0 / 4630	0.54 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.00")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.23")
ALLOWABLE DEFL.(TL)= L/360 (1.00")
CALCULATED VERT. DEFL.(TL) = L/ 922 (0.39")

CSI: TC=0.72/1.00 (A-M:1) , BC=0.62/1.00 (H-J:1) , WB=0.94/1.00 (B-L:1) , SSI=0.39/1.00 (E-F:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873
MT18HS	586	403	2455	1382	3163	3004

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (H) (INPUT = 0.90)
JSI METAL= 0.83 (I) (INPUT = 1.00)

CONTINUED ON PAGE 2

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

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	H15	1	1	Wood Creek Const.	43 of 75
				TRUSS DESC.	

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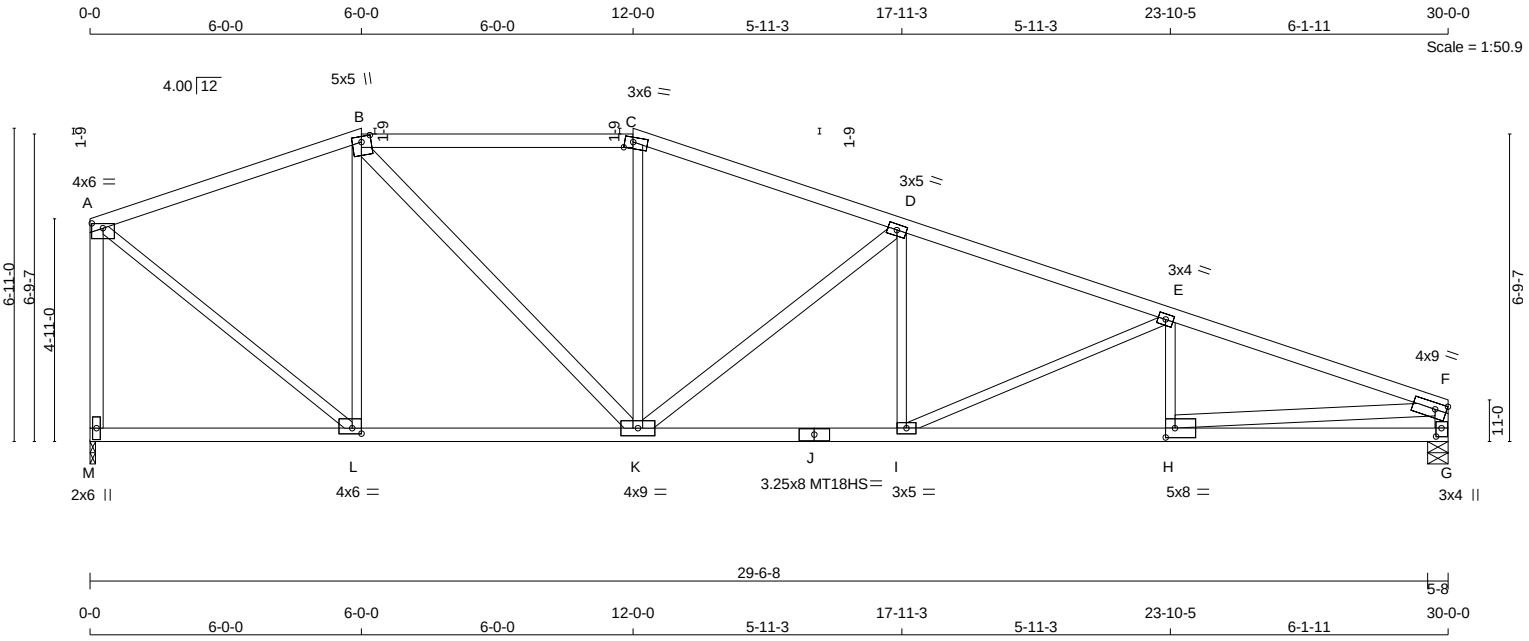

TOTAL WEIGHT = 127 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - B	2x4	DRY	2100F 1.8E	SPF
B - C	2x4	DRY	2100F 1.8E	SPF
C - F	2x4	DRY	1650F 1.5E	SPF
M - A	2x4	DRY	1650F 1.5E	SPF
G - F	2x4	DRY	1650F 1.5E	SPF
M - J	2x4	DRY	1650F 1.5E	SPF
J - G	2x4	DRY	1650F 1.5E	SPF
ALL WEBS	2x3	DRY	No.2	SPF
EXCEPT				
B - K	2x4	DRY	1650F 1.5E	SPF
K - D	2x4	DRY	1650F 1.5E	SPF
H - F	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-p	MT20	4.0	6.0	1.25	3.00
B	TTWW+m	MT20	5.0	5.0	1.50	2.50
C	TTW-m	MT20	3.0	6.0	Edge	2.25
D	TMWW-t	MT20	3.0	5.0		
E	TMWW-t	MT20	3.0	4.0		
F	TMVW-t	MT20	4.0	9.0	1.75	3.00
G	BMV1+p	MT20	3.0	4.0	2.25	1.50
H	BMWW-t	MT20	5.0	8.0	2.50	2.50
I	BMWW-t	MT20	3.0	5.0		
J	BS-t	MT18HS	3.25	8.0		
K	BMWWW-t	MT20	4.0	9.0		
L	BMWW-t	MT20	4.0	6.0	1.50	2.50
M	BMV1+p	MT20	2.0	6.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
M	2353	0	2353	0	0	1-8	
G	2353	0	2353	0	0	5-8	4-2

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	SNOW	MAX./MIN. COMPONENT REACTIONS LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1629	1269 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0
G	1629	1269 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.12 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	-1799 / 0	-139.4	-139.4	0.44 (1)	5.38	L- B	-1222 / 0	0.99 (1)
B- C	-2605 / 0	-139.4	-139.4	0.46 (1)	4.64	B- K	0 / 1282	0.15 (1)
C- D	-2764 / 0	-139.4	-139.4	0.53 (1)	4.15	K- C	0 / 107	0.04 (4)
D- E	-3973 / 0	-139.4	-139.4	0.56 (1)	3.57	K- D	-1488 / 0	0.88 (1)
E- F	-4707 / 0	-139.4	-139.4	0.72 (1)	3.12	I- D	0 / 431	0.10 (1)
M- A	-2312 / 0	0.0	0.0	0.71 (1)	6.33	I- E	-787 / 0	0.61 (1)
G- F	-2301 / 0	0.0	0.0	0.15 (1)	6.35	H- E	-350 / 34	0.06 (1)
						A- L	0 / 2175	0.49 (1)
M- L	0 / 0	-17.5	-17.5	0.13 (4)	10.00	H- F	0 / 4511	0.53 (1)
L- K	0 / 1732	-17.5	-17.5	0.27 (1)	10.00			
K- J	0 / 3770	-17.5	-17.5	0.49 (1)	10.00			
J- I	0 / 3770	-17.5	-17.5	0.49 (1)	10.00			
I- H	0 / 4488	-17.5	-17.5	0.58 (1)	10.00			
H- G	0 / 0	-17.5	-17.5	0.11 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.00")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.23")
ALLOWABLE DEFL.(TL)= L/360 (1.00")
CALCULATED VERT. DEFL.(TL) = L/ 970 (0.37")

CSI: TC=0.72/1.00 (E-F:1) , BC=0.58/1.00 (H-I:1) , WB=0.99/1.00 (B-L:1) , SSI=0.37/1.00 (E-F:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873
MT18HS	586	403	2455	1382	3163	3004

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (D) (INPUT = 0.90)
JSI METAL= 0.80 (H) (INPUT = 1.00)

CONTINUED ON PAGE 2

03/29/2020

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

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	H16	1	1	Wood Creek Const. TRUSS DESC.	45 of 75

KAMLOOPS TRUSS LTD., Kamloops, BC V2H 1G3 — Version 8.300 S Oct 8 2019 MiTek Industries, Inc. Fri Mar 27 13:21:16 2020 Page 1

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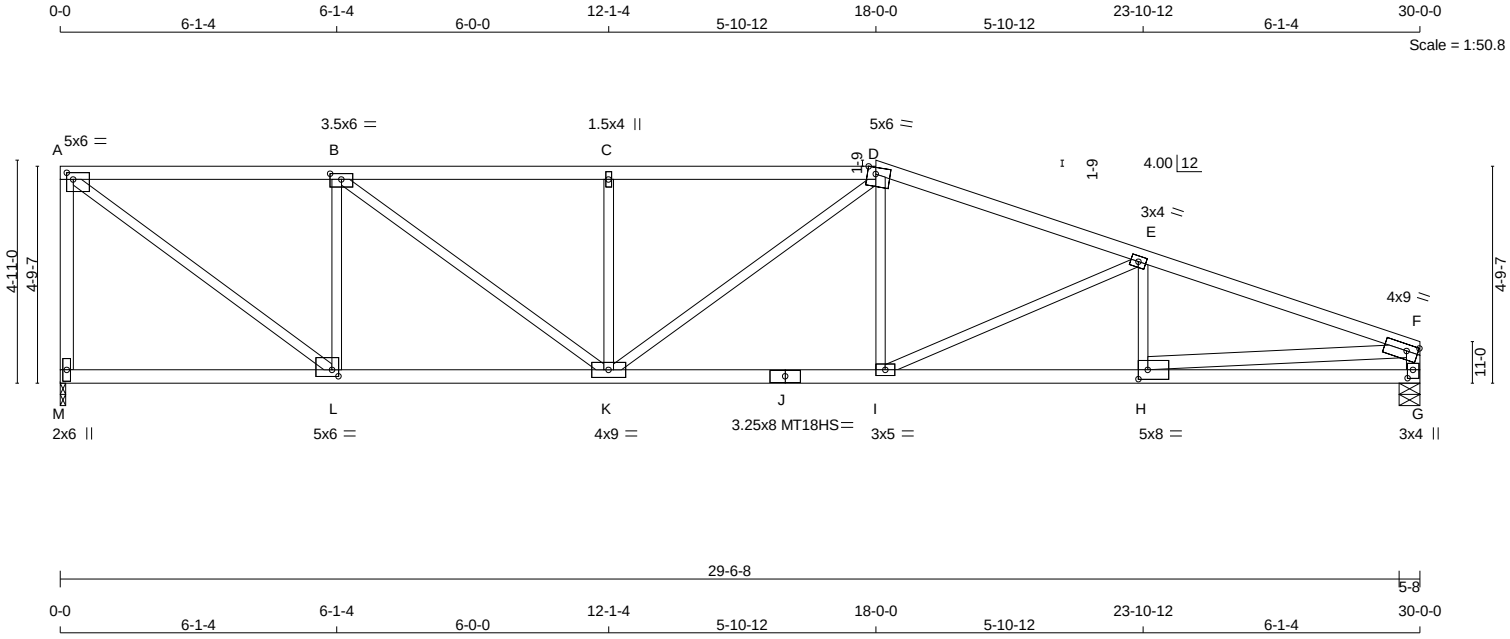

TOTAL WEIGHT = 116 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
M - A	2x4	DRY	1650F 1.5E	SPF
A - D	2x4	DRY	1650F 1.5E	SPF
D - F	2x4	DRY	2100F 1.8E	SPF
G - F	2x4	DRY	1650F 1.5E	SPF
M - J	2x4	DRY	1650F 1.5E	SPF
J - G	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
H - F	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	5.0	6.0	1.75	1.75
B	TMWW-t	MT20	3.5	6.0	1.50	3.00
C	TMW+w	MT20	1.5	4.0		
D	TTWW-m	MT20	5.0	6.0	Edge	2.25
E	TMWW-t	MT20	3.0	4.0		
F	TMVW-t	MT20	4.0	9.0	1.75	3.00
G	BMV1+p	MT20	3.0	4.0	2.25	1.50
H	BMWW-t	MT20	5.0	8.0	2.50	2.50
I	BMWW-t	MT20	3.0	5.0		
J	BS-t	MT18HS	3.25	8.0		
K	BMWWW-t	MT20	4.0	9.0		
L	BMWW-t	MT20	5.0	6.0	1.75	1.75
M	BMV1+p	MT20	2.0	6.0		

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

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
M	2353	0	2353	0	0	1-8	4-2
G	2353	0	2353	0	0	5-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	SNOW	MAX./MIN. COMPONENT REACTIONS LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1629	1269 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0
G	1629	1269 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.22 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
M- A	-2308 / 0	0.0	0.0	0.63 (1)	6.34
A- B	-2670 / 0	-139.4	-139.4	0.73 (1)	3.89
B- C	-3888 / 0	-139.4	-139.4	0.84 (1)	3.22
C- D	-3889 / 0	-139.4	-139.4	0.77 (1)	3.33
D- E	-3961 / 0	-139.4	-139.4	0.71 (1)	3.63
E- F	-4742 / 0	-139.4	-139.4	0.81 (1)	3.30
G- F	-2300 / 0	0.0	0.0	0.15 (1)	6.35
M- L	0 / 0	-17.5	-17.5	0.13 (4)	10.00
L- K	0 / 2670	-17.5	-17.5	0.37 (1)	10.00
K- J	0 / 3730	-17.5	-17.5	0.50 (1)	10.00
J- I	0 / 3730	-17.5	-17.5	0.50 (1)	10.00
I- H	0 / 4526	-17.5	-17.5	0.59 (1)	10.00
H- G	0 / 0	-17.5	-17.5	0.11 (4)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- L	0 / 3315	0.75 (1)
L- B	-1845 / 0	0.62 (1)
B- K	0 / 1522	0.34 (1)
K- C	-941 / 0	0.32 (1)
K- D	0 / 199	0.04 (1)
I- D	0 / 478	0.11 (1)
I- E	-863 / 0	0.63 (1)
H- E	-362 / 30	0.06 (1)
H- F	0 / 4549	0.53 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.00")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.25")
ALLOWABLE DEFL.(TL)= L/360 (1.00")
CALCULATED VERT. DEFL.(TL) = L/ 869 (0.41")

CSI: TC=0.84/1.00 (B-C:1) , BC=0.59/1.00 (H-I:1) , WB=0.75/1.00 (A-L:1) , SSI=0.40/1.00 (A-B:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873
MT18HS	586	403	2455	1382	3163	3004

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.89 (A) (INPUT = 0.90)
JSI METAL= 0.81 (H) (INPUT = 1.00)

03/29/2020

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M11-7473C rev 10-08 BEFORE USE
Design valid for use onlywith MiTek connectors. This design is based upon parameters shown, and is for an idividual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer. Bracing shown is for lateral support of individual web members only. additional temporary bracing to insure stability during construction is the resposibility of the erector. Additional permanent bracing of the overall structure is the resposibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult
TPIC Appendix G - Minimum Quality Manufacturing Criteria available from www.tpic.ca and BCSI Building Component safety Information available from Truss Plate Institute, 781 N. Lee Street, alexandria, VA 22314.

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	H17	1	1	Wood Creek Const. TRUSS DESC.	46 of 75 **H17**

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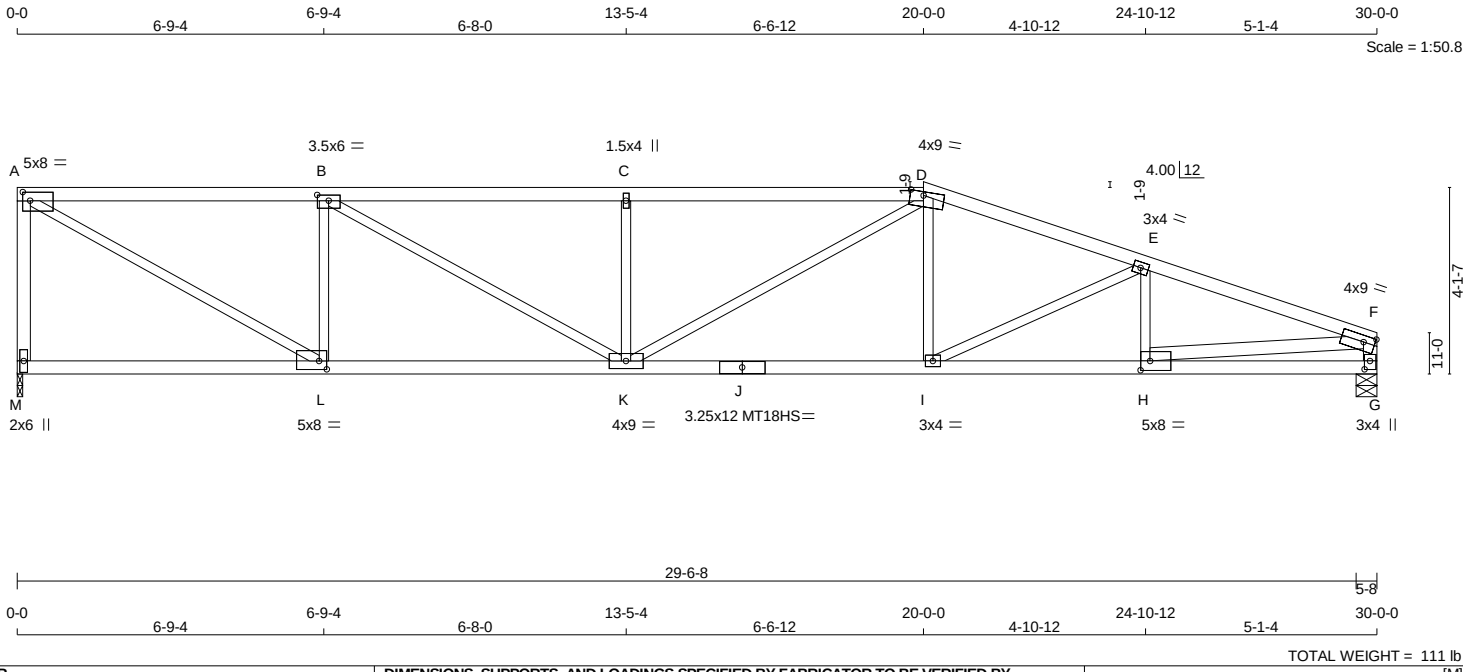

TOTAL WEIGHT = 111 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
M - A	2x4	DRY	1650F 1.5E	SPF
A - D	2x4	DRY	2100F 1.8E	SPF
D - F	2x4	DRY	1650F 1.5E	SPF
G - F	2x4	DRY	1650F 1.5E	SPF
M - J	2x4	DRY	1650F 1.5E	SPF
J - G	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
H - F	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMVW-t	MT20	5.0	8.0	2.25	2.00
B	TMWW-t	MT20	3.5	6.0	1.50	3.00
C	TMW+w	MT20	1.5	4.0		
D	TTWW-m	MT20	4.0	9.0	1.00	3.50
E	TMWW-t	MT20	3.0	4.0		
F	TMVW-t	MT20	4.0	9.0	1.75	3.00
G	BMV1+p	MT20	3.0	4.0	2.25	1.50
H	BMWW-t	MT20	5.0	8.0	2.50	2.50
I	BMWW-t	MT20	3.0	4.0		
J	BS-t	MT18HS	3.25	12.0		
K	BMWWW-t	MT20	4.0	9.0		
L	BMWW-t	MT20	5.0	8.0	2.25	2.00
M	BMV1+p	MT20	2.0	6.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
M	2353	0	2353	0	0	1-8	4-2
G	2353	0	2353	0	0	5-8	

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	SNOW	MAX./MIN. COMPONENT REACTIONS LIVE	PERM.LIVE	WIND	DEAD	SOIL
M	1629	1269 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0
G	1629	1269 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.20 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM (PLF)	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
M- A	-2303 / 0	0.0	0.0	0.44 (1)	6.35	A- L	0 / 3904	0.88 (1)
A- B	-3399 / 0	-139.4	-139.4	0.76 (1)	3.80	L- B	-1790 / 0	0.46 (1)
B- C	-4718 / 0	-139.4	-139.4	0.90 (1)	3.20	B- K	0 / 1520	0.34 (1)
C- D	-4719 / 0	-139.4	-139.4	0.84 (1)	3.29	K- C	-1046 / 0	0.27 (1)
D- E	-4282 / 0	-139.4	-139.4	0.62 (1)	3.35	K- D	0 / 779	0.18 (1)
E- F	-4664 / 0	-139.4	-139.4	0.67 (1)	3.20	I- D	0 / 311	0.07 (1)
G- F	-2303 / 0	0.0	0.0	0.15 (1)	6.35	I- E	-434 / 0	0.21 (1)
						H- E	-474 / 0	0.08 (1)
M- L	0 / 0	-17.5	-17.5	0.15 (4)	10.00	H- F	0 / 4479	0.52 (1)
L- K	0 / 3399	-17.5	-17.5	0.46 (1)	10.00			
K- J	0 / 4047	-17.5	-17.5	0.53 (1)	10.00			
J- I	0 / 4047	-17.5	-17.5	0.53 (1)	10.00			
I- H	0 / 4446	-17.5	-17.5	0.58 (1)	10.00			
H- G	0 / 0	-17.5	-17.5	0.09 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.00")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.30")
ALLOWABLE DEFL.(TL)= L/360 (1.00")
CALCULATED VERT. DEFL.(TL) = L/ 728 (0.49")

CSI: TC=0.90/1.00 (B-C:1) , BC=0.58/1.00 (H-I:1) , WB=0.88/1.00 (A-L:1) , SSI=0.44/1.00 (A-B:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873
MT18HS	586	403	2455	1382	3163	3004

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (D) (INPUT = 0.90)
JSI METAL= 0.79 (H) (INPUT = 1.00)

03/29/2020

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE M11-7473C rev 10-08 BEFORE USE
Design valid for use onlywith MiTek connectors. This design is based upon parameters shown, and is for an idividual building component. Applicability of design parameters and proper incorporation of component is responsibility of building designer. Bracing shown is for lateral support of individual web members only. additional temporary bracing to insure stability during construction is the resposibility of the erector. Additional permanent bracing of the overall structure is the resposibility of the building designer. For general guidance regarding fabrication, quality control, storage, delivery, erection and bracing, consult
TPIC Appendix G - Minimum Quality Manufacturing Criteria available from www.tpic.ca and BCSI Building Component safety Information available from Truss Plate Institute, 781 N. Lee Street, alexandria, VA 22314.

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	J1	6	1	Wood Creek Const.	47 of 75
				TRUSS DESC.	

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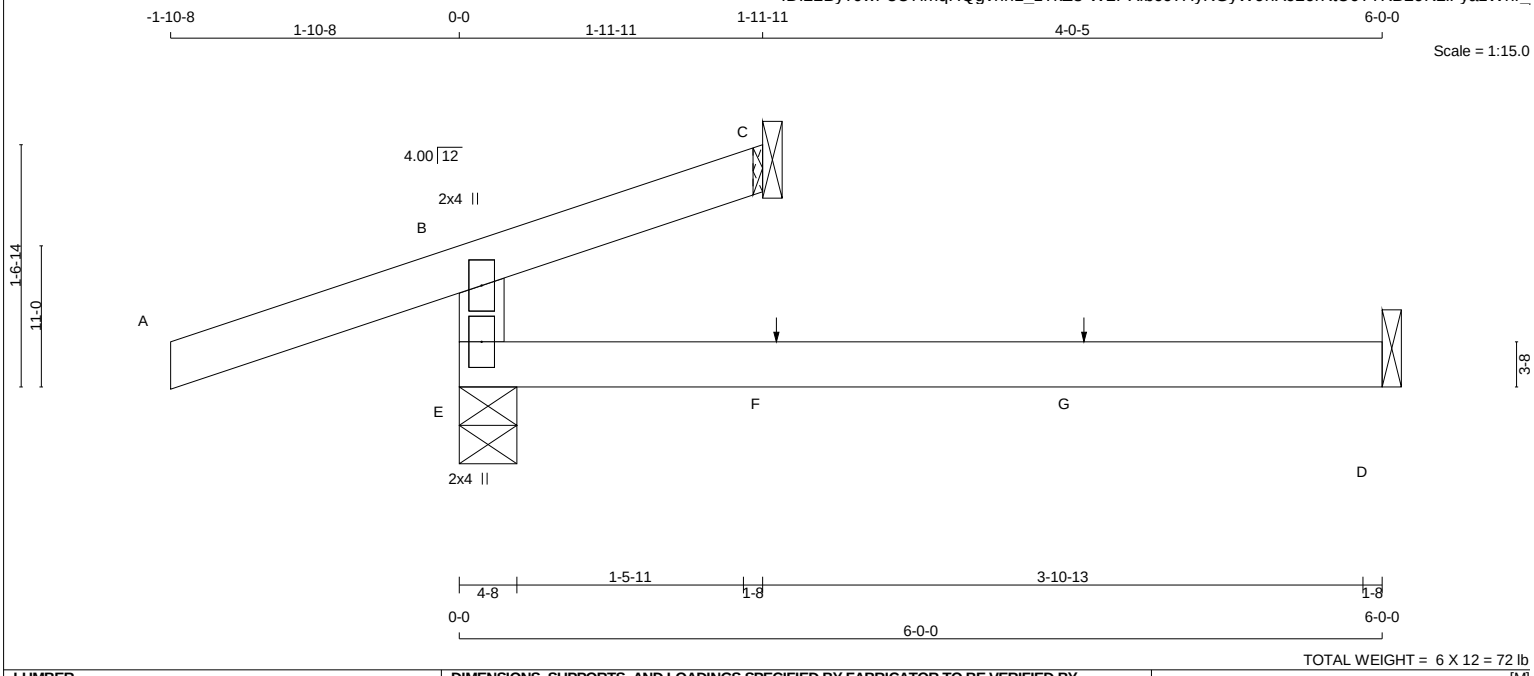

TOTAL WEIGHT = 6 X 12 = 72 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
E - B	2x4	DRY	1650F 1.5E	SPF
A - C	2x4	DRY	1650F 1.5E	SPF
E - D	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	2.0	4.0		
E	BMV1+p	MT20	2.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
E	558	0	558	0	0	4-8	1-8
C	52	0	52	0	0	1-8	1-8
D	38	0	49	0	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C , D

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	383	317 / 0	0 / 0	0 / 0	0 / 0	67 / 0	0 / 0
C	38	17 / 0	0 / 0	0 / 0	0 / 0	21 / 0	0 / 0
D	31	0 / -10	0 / 0	0 / 0	0 / 0	35 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (7)

CHORDS MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1	MAX CSI (LC)	WEBS MAX. MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO						UNBRAC LENGTH	FR-TO	
E- B	-505 / 0	0.0	0.0	0.10 (1)		7.81		
A- B	0 / 42	-139.4	-139.4	0.30 (1)		10.00		
B- C	-32 / 5	-139.4	-139.4	0.23 (5)		6.25		
E- F	0 / 0	-17.5	-17.5	0.11 (4)		10.00		
F- G	0 / 0	-17.5	-17.5	0.11 (4)		10.00		
G- D	0 / 0	-17.5	-17.5	0.11 (4)		10.00		

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
F	2-0-12	1	1	41	BACK	VERT	TOTAL	---	C1
G	4-0-12	1	1	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL =	42.3	PSF
	DL =	5.0	PSF
BOT CH.	LL =	0.0	PSF
	DL =	7.0	PSF
TOTAL LOAD	=	54.3	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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

DESIGN ASSUMPTIONS
-OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.03")
ALLOWABLE DEFL.(TL)= L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.03")

CSI: TC=0.30/1.00 (A-B:1) , BC=0.11/1.00 (D-E:4) , WB=0.00/1.00 (n/a:0) , SSI=0.20/1.00 (A-B:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.27 (B) (INPUT = 0.90)
JSI METAL= 0.15 (B) (INPUT = 1.00)

03/29/2020

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	J2	6	1	Wood Creek Const. TRUSS DESC.	48 of 75

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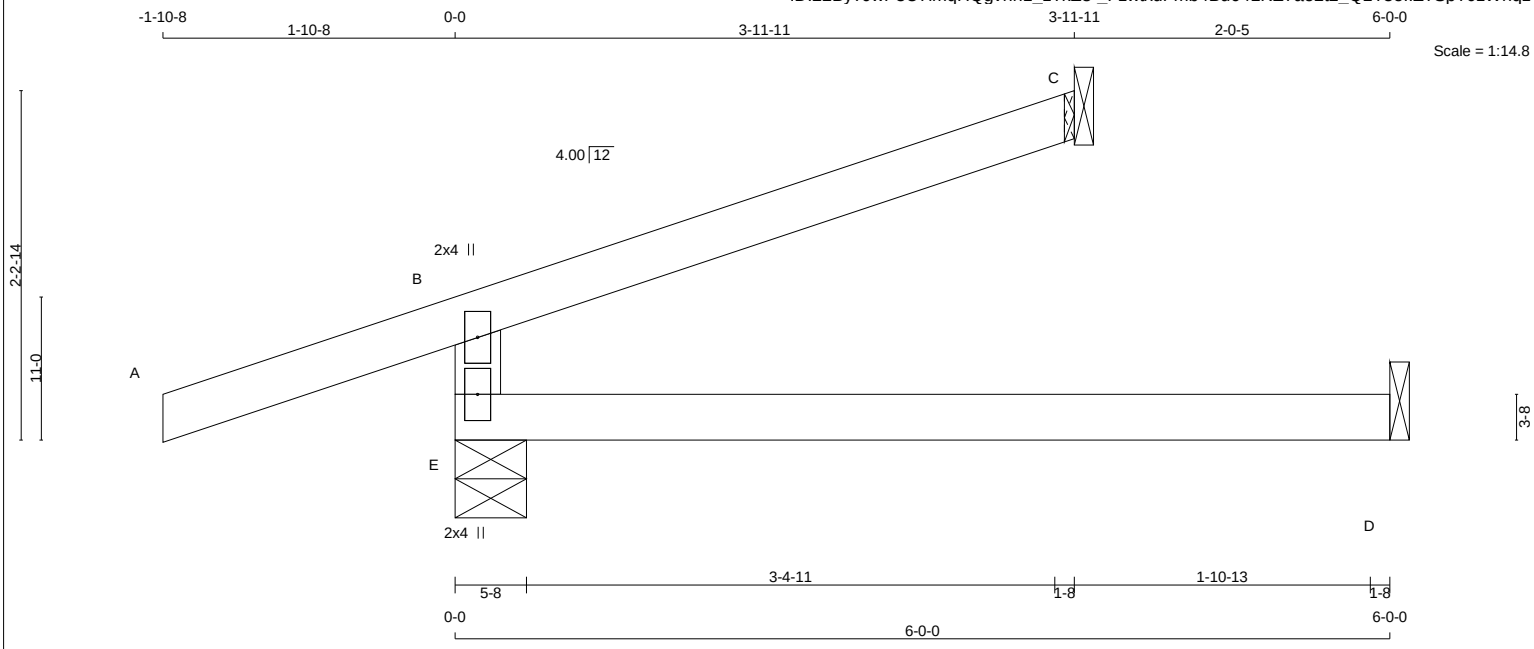

TOTAL WEIGHT = 6 X 14 = 87 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
E - B	2x4	DRY	1650F 1.5E	SPF
A - C	2x4	DRY	1650F 1.5E	SPF
E - D	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	2.0	4.0		
E	BMV1+p	MT20	2.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
E	676	0	676	0	0	5-8	1-8
C	208	0	208	0	0	1-8	1-8
D	42	0	48	0	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C , D

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	467	373 / 0	0 / 0	0 / 0	0 / 0	94 / 0	0 / 0
C	141	126 / 0	0 / 0	0 / 0	0 / 0	15 / 0	0 / 0
D	34	0 / 0	0 / 0	0 / 0	0 / 0	34 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	WEBS MAX. MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
FR-TO				UNBRAC LENGTH	FR-TO		
E- B	-614 / 0	0.0	0.0	0.12 (4)	7.81		
A- B	0 / 42	-139.4	-139.4	0.30 (1)	10.00		
B- C	-22 / 0	-139.4	-139.4	0.31 (1)	6.25		
E- D	0 / 0	-17.5	-17.5	0.12 (4)	10.00		

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

DESIGN ASSUMPTIONS
-OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.00")
ALLOWABLE DEFL.(TL)= L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.03")

CSI: TC=0.31/1.00 (B-C:1) , BC=0.12/1.00 (D-E:4) , WB=0.00/1.00 (n/a:0) , SSI=0.26/1.00 (B-C:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.32 (B) (INPUT = 0.90)
JSI METAL= 0.18 (B) (INPUT = 1.00)

03/29/2020

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	J3	40	1	Wood Creek Const. TRUSS DESC.	49 of 75

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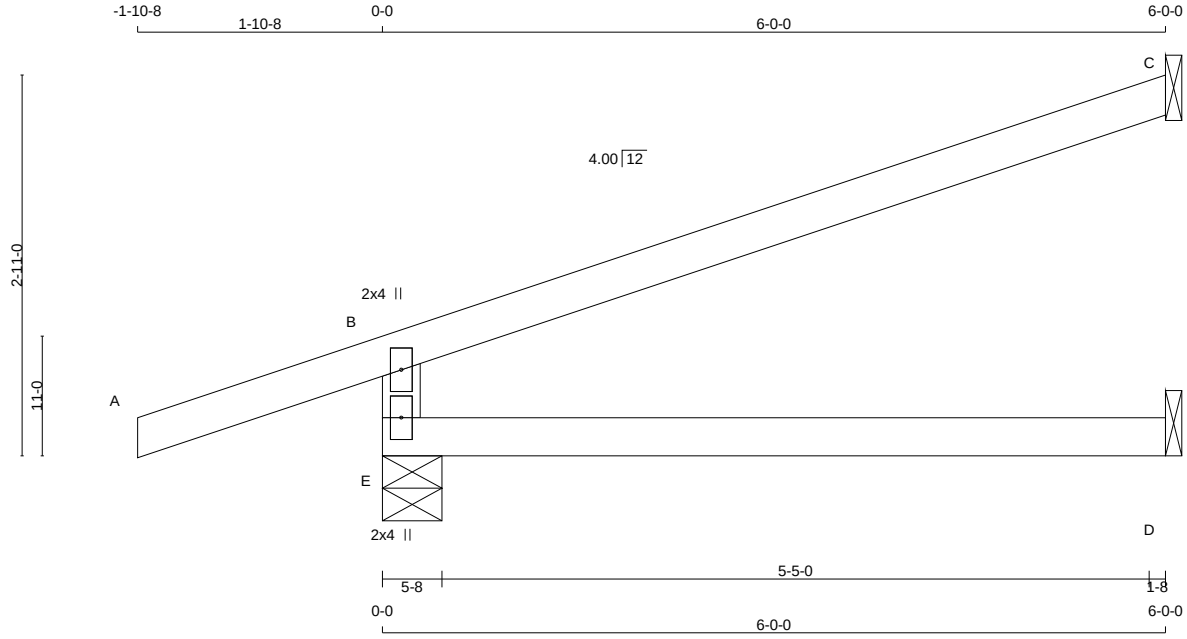
ID:22By?JwP3U7imqHQgvnn1_zTkZ8-wd4gHceVlCKv7QEkSfA2jTyHAE00XXob1JxvYvzWhqx



TOTAL WEIGHT = 40 X 17 = 676 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
E - B	2x4	DRY	1650F 1.5E	SPF
A - C	2x4	DRY	1650F 1.5E	SPF
E - D	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	2.0	4.0		
E	BMV1+p	MT20	2.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
E	853	0	853	0	0	5-8	1-8
C	314	0	314	0	0	1-8	1-8
D	42	0	48	0	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C , D

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	586	480 / 0	0 / 0	0 / 0	0 / 0	107 / 0	0 / 0
C	213	190 / 0	0 / 0	0 / 0	0 / 0	23 / 0	0 / 0
D	34	0 / 0	0 / 0	0 / 0	0 / 0	34 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB.	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	WEBS MAX. UNBRAC LENGTH FR-TO	MEMB.	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
E- B	-790 / 0	0.0	0.0	0.12 (4)	7.81			
A- B	0 / 42	-139.4	-139.4	0.30 (1)	10.00			
B- C	-33 / 0	-139.4	-139.4	0.72 (1)	6.25			
E- D	0 / 0	-17.5	-17.5	0.12 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

DESIGN ASSUMPTIONS
-OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.00")
ALLOWABLE DEFL.(TL)= L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.03")

CSI: TC=0.72/1.00 (B-C:1) , BC=0.12/1.00 (D-E:4) , WB=0.00/1.00 (n/a:0) , SSI=0.39/1.00 (B-C:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.42 (B) (INPUT = 0.90)
JSI METAL= 0.23 (B) (INPUT = 1.00)

03/29/2020

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	Wood Creek Const.	DRWG NO.
200656	J4	6	1	TRUSS DESC.		50 of 75

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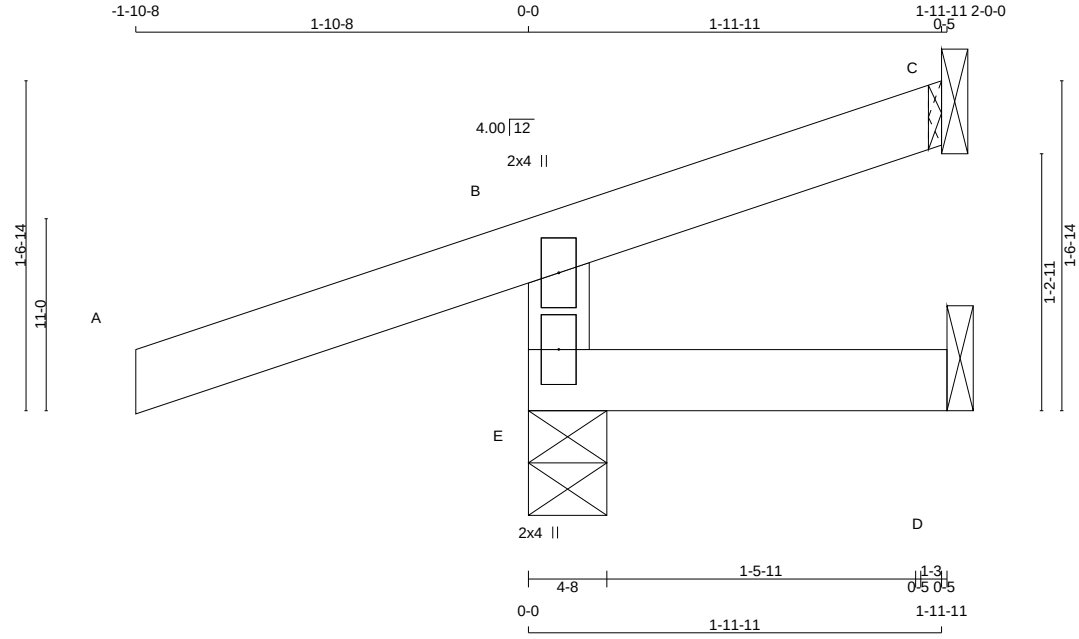

TOTAL WEIGHT = 6 X 7 = 45 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
E - B	2x4	DRY	1650F 1.5E	SPF
A - C	2x4	DRY	1650F 1.5E	SPF
E - D	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	2.0	4.0		
E	BMV1+p	MT20	2.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
E	553	0	553	0	0	4-8	1-8
C	43	0	43	0	-75	1-8	1-8
D	-17	0	15	0	-33	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C , D

PROVIDE ANCHORAGE AT BEARING JOINT C FOR 150 LBS FACTORED UPLIFT
PROVIDE ANCHORAGE AT BEARING JOINT D FOR 150 LBS FACTORED UPLIFT

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	377	325 / 0	0 / 0	0 / 0	0 / 0	52 / 0	0 / 0
C	29	25 / -51	0 / 0	0 / 0	0 / 0	4 / 0	0 / 0
D	-10	0 / -28	0 / 0	0 / 0	0 / 0	10 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	WEBS MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
E- B	-500 / 0	0.0	0.0	0.10 (5)	7.81			
A- B	0 / 42	-139.4	-139.4	0.30 (1)	10.00			
B- C	-30 / 0	-139.4	-139.4	0.21 (1)	6.25			
E- D	0 / 0	-17.5	-17.5	0.10 (5)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

DESIGN ASSUMPTIONS
-OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.00")
ALLOWABLE DEFL.(TL)= L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.00")

CSI: TC=0.30/1.00 (A-B:1) , BC=0.10/1.00 (D-E:5) , WB=0.00/1.00 (n/a:0) , SSI=0.20/1.00 (A-B:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.26 (B) (INPUT = 0.90)
JSI METAL= 0.15 (B) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	J5	6	1	Wood Creek Const. TRUSS DESC.	51 of 75

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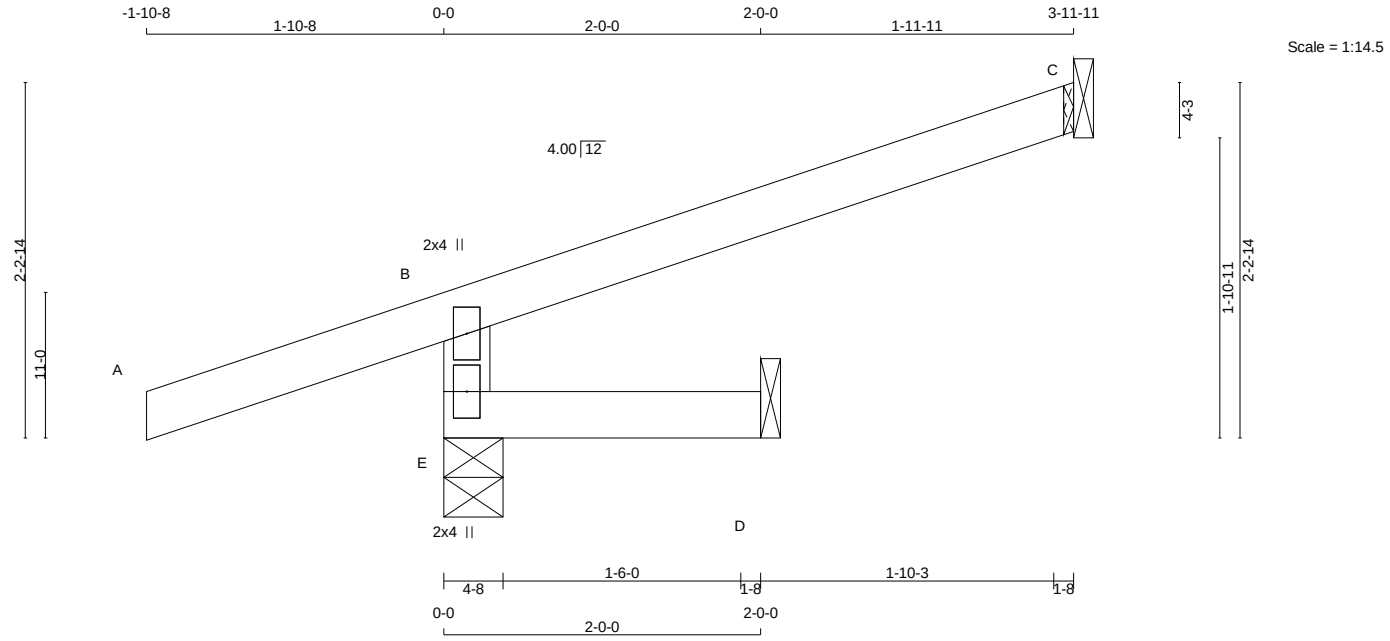

TOTAL WEIGHT = 6 X 10 = 59 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
E - B	2x4	DRY	1650F 1.5E	SPF
A - C	2x4	DRY	1650F 1.5E	SPF
E - D	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	2.0	4.0		
E	BMV1+p	MT20	2.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
E	634	0	634	0	0	4-8	1-8
C	208	0	208	0	0	1-8	1-8
D	15	0	17	0	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C , D

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	432	373 / 0	0 / 0	0 / 0	0 / 0	60 / 0	0 / 0
C	141	126 / 0	0 / 0	0 / 0	0 / 0	15 / 0	0 / 0
D	12	0 / 0	0 / 0	0 / 0	0 / 0	12 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (5)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM	TO	MAX (PLF) CSI (LC)	WEBS MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
E- B	-614 / 0	0.0	0.0	0.01 (4)	7.81			
A- B	0 / 42	-139.4	-139.4	0.30 (1)	10.00			
B- C	-22 / 0	-139.4	-139.4	0.31 (1)	6.25			
E- D	0 / 0	-17.5	-17.5	0.01 (4)	10.00			

CANTILEVER ANALYSIS HAS BEEN CONSIDERED IN THIS DESIGN

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

DESIGN ASSUMPTIONS
-OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.00")
ALLOWABLE DEFL.(TL)= L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.00")

CSI: TC=0.31/1.00 (B-C:1) , BC=0.01/1.00 (D-E:4) , WB=0.00/1.00 (n/a:0) , SSI=0.26/1.00 (B-C:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.32 (B) (INPUT = 0.90)
JSI METAL= 0.18 (B) (INPUT = 1.00)

03/29/2020

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	J6	1	1	Wood Creek Const.	52 of 75
				TRUSS DESC.	

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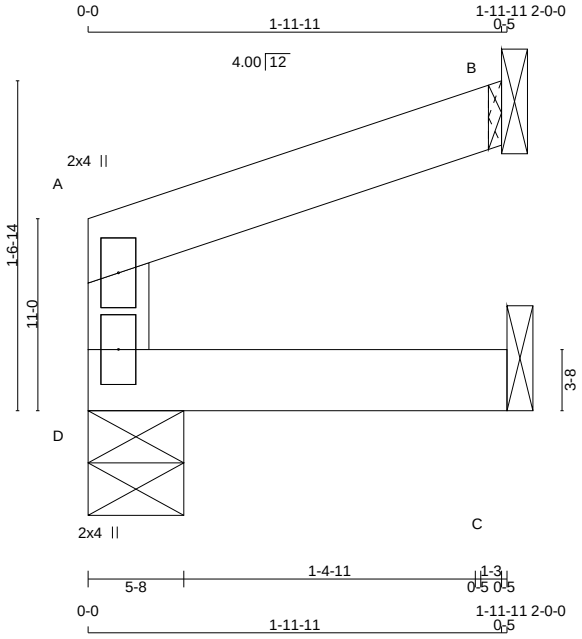

Scale = 1:11.0

TOTAL WEIGHT = 5 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
D - A	2x4	DRY	1650F 1.5E	SPF
A - B	2x4	DRY	1650F 1.5E	SPF
D - C	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	2.0	4.0		
D	BMV1+p	MT20	2.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
D	155	0	155	0	0	5-8	1-8
B	127	0	127	0	0	1-8	1-8
C	28	0	28	0	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) B , C

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
D	107	84 / 0	0 / 0	0 / 0	0 / 0	24 / 0	0 / 0
B	86	76 / 0	0 / 0	0 / 0	0 / 0	10 / 0	0 / 0
C	21	7 / 0	0 / 0	0 / 0	0 / 0	14 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 10.00 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM (PLF)	TO	MAX CSI (LC)	WEBS MAX. MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX UNBRAC LENGTH	MAX CSI (LC)
D- A	-148 / 0	0.0	0.0	0.02 (1)			7.81	
A- B	-3 / 0	-139.4	-139.4	0.05 (1)			10.00	
D- C	0 / 0	-17.5	-17.5	0.03 (1)			10.00	

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.00")
ALLOWABLE DEFL.(TL)= L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.00")

CSI: TC=0.05/1.00 (A-B:1) , BC=0.03/1.00 (C-D:1) , WB=0.00/1.00 (n/a:0) , SSI=0.11/1.00 (A-B:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.08 (A) (INPUT = 0.90)
JSI METAL= 0.04 (A) (INPUT = 1.00)

03/29/2020

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	J7	1	1	Wood Creek Const. TRUSS DESC.	53 of 75

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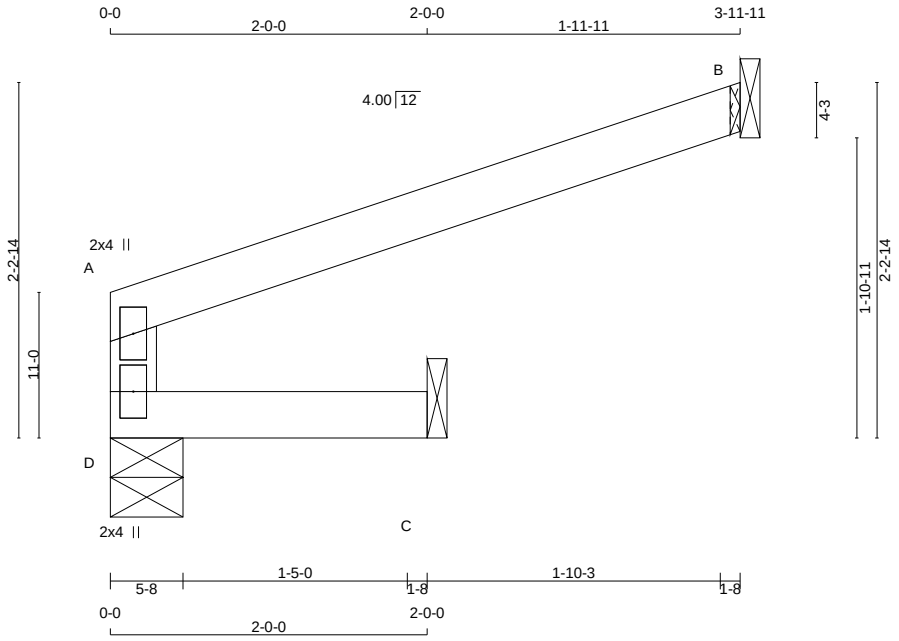

TOTAL WEIGHT = 8 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
D - A	2x4	DRY	1650F 1.5E	SPF
A - B	2x4	DRY	1650F 1.5E	SPF
D - C	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	2.0	4.0		
D	BMV1+p	MT20	2.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
D	259	0	259	0	0	5-8	1-8
B	241	0	241	0	0	1-8	1-8
C	88	0	88	0	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) B , C

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
D	178	146 / 0	0 / 0	0 / 0	0 / 0	32 / 0	0 / 0
B	164	146 / 0	0 / 0	0 / 0	0 / 0	18 / 0	0 / 0
C	62	43 / 0	0 / 0	0 / 0	0 / 0	18 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM	TO	MAX (PLF) CSI (LC)	WEBS MAX. MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX UNBRAC LENGTH	MAX CSI (LC)
D- A	-312 / 0	0.0	0.0	0.13 (1)			7.81	
A- B	-11 / 0	-139.4	-139.4	0.22 (1)			6.25	
D- C	0 / 0	-17.5	-17.5	0.16 (1)			10.00	

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.19")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.00")
ALLOWABLE DEFL.(TL)= L/360 (0.19")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.01")

CSI: TC=0.22/1.00 (A-B:1) , BC=0.16/1.00 (C-D:1) , WB=0.00/1.00 (n/a:0) , SSI=0.23/1.00 (A-B:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.17 (A) (INPUT = 0.90)
JSI METAL= 0.09 (A) (INPUT = 1.00)

03/29/2020

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	J8	2	1	Wood Creek Const. TRUSS DESC.	54 of 75

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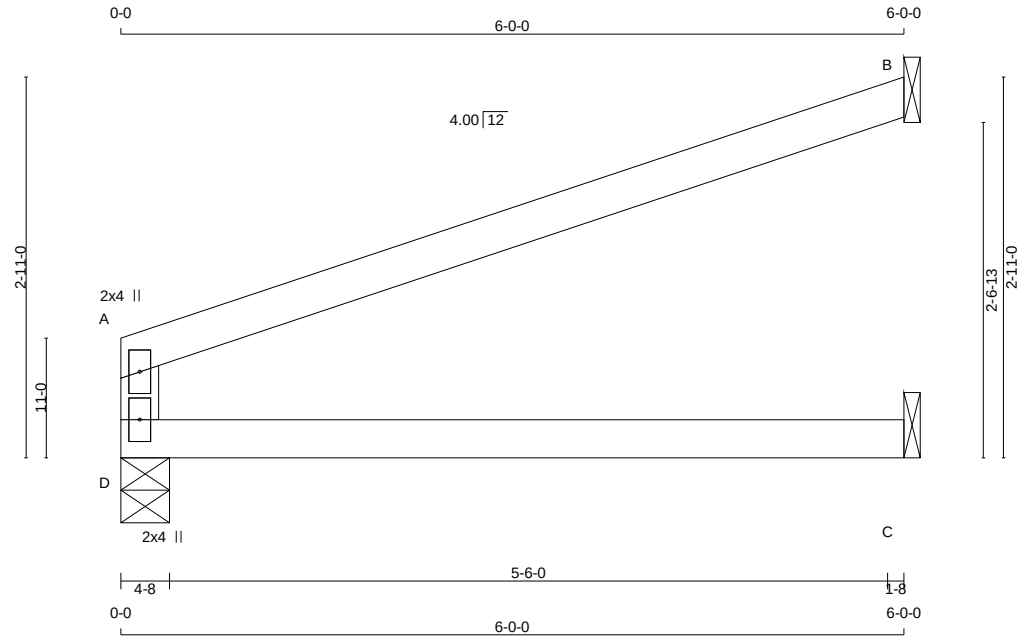

TOTAL WEIGHT = 2 X 15 = 29 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
D - A	2x4	DRY	1650F 1.5E	SPF
A - B	2x4	DRY	1650F 1.5E	SPF
D - C	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TMV+p	MT20	2.0	4.0		
D	BMV1+p	MT20	2.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
D	471	0	471	0	0	4-8	1-8
B	377	0	377	0	0	1-8	1-8
C	94	0	94	0	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) B , C

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
D	326	254 / 0	0 / 0	0 / 0	0 / 0	72 / 0	0 / 0
B	257	225 / 0	0 / 0	0 / 0	0 / 0	31 / 0	0 / 0
C	69	28 / 0	0 / 0	0 / 0	0 / 0	41 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD FROM	TO	LC1 MAX (PLF) CSI (LC)	WEBS MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
D- A	-459 / 0	0.0	0.0	0.22 (1)	7.81			
A- B	-13 / 0	-139.4	-139.4	0.58 (1)	6.25			
D- C	0 / 0	-17.5	-17.5	0.29 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/ 851 (0.08")
ALLOWABLE DEFL.(TL)= L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/ 451 (0.16")

CSI: TC=0.58/1.00 (A-B:1) , BC=0.29/1.00 (C-D:1) , WB=0.00/1.00 (n/a:0) , SSI=0.34/1.00 (A-B:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.24 (A) (INPUT = 0.90)
JSI METAL= 0.14 (A) (INPUT = 1.00)

03/29/2020

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	J9	1	1	Wood Creek Const. TRUSS DESC.	55 of 75

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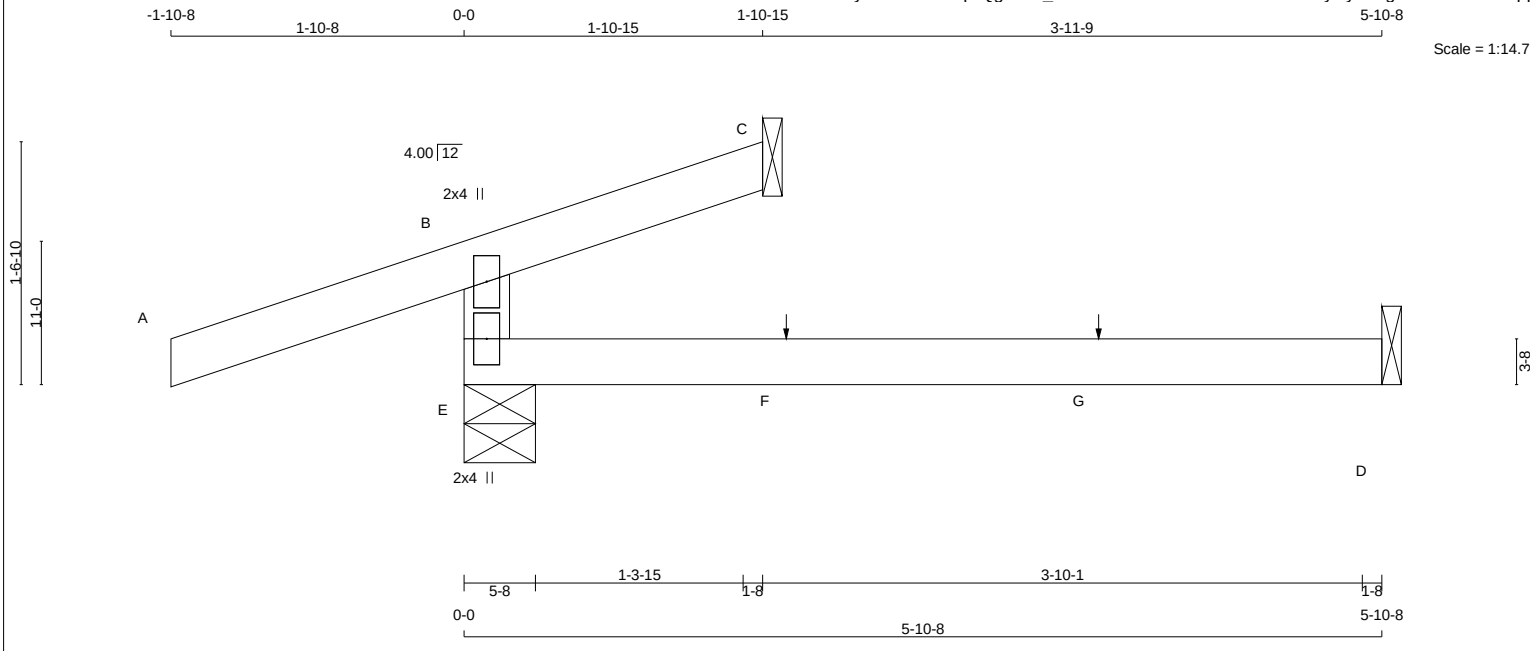

TOTAL WEIGHT = 12 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
E - B	2x4	DRY	1650F 1.5E	SPF
A - C	2x4	DRY	1650F 1.5E	SPF
E - D	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	2.0	4.0		
E	BMV1+p	MT20	2.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
E	557	0	557	0	0	5-8	1-8
C	44	0	44	0	0	1-8	1-8
D	37	0	48	0	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C , D

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	382	316 / 0	0 / 0	0 / 0	0 / 0	66 / 0	0 / 0
C	32	12 / 0	0 / 0	0 / 0	0 / 0	20 / 0	0 / 0
D	30	0 / -11	0 / 0	0 / 0	0 / 0	34 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (7)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 (PLF) FROM	TO	MAX CSI (LC)	WEBS MAX. MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)	UNBRAC LENGTH
E- B	-505 / 0	0.0	0.0	0.10 (1)				7.81
A- B	0 / 42	-139.4	-139.4	0.30 (1)				10.00
B- C	-33 / 5	-139.4	-139.4	0.23 (5)				6.25
E- F	0 / 0	-17.5	-17.5	0.10 (4)				10.00
F- G	0 / 0	-17.5	-17.5	0.10 (4)				10.00
G- D	0 / 0	-17.5	-17.5	0.10 (4)				10.00

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
F	2-0-12	1	1	41	FRONT	VERT	TOTAL	---	C1
G	4-0-12	1	1	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

DESIGN ASSUMPTIONS
-OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.03")
ALLOWABLE DEFL.(TL)= L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.03")

CSI: TC=0.30/1.00 (A-B:1) , BC=0.10/1.00 (D-E:4) , WB=0.00/1.00 (n/a:0) , SSI=0.20/1.00 (A-B:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.27 (B) (INPUT = 0.90)
JSI METAL= 0.15 (B) (INPUT = 1.00)

03/29/2020

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	J10	1	1	Wood Creek Const. TRUSS DESC.	56 of 75

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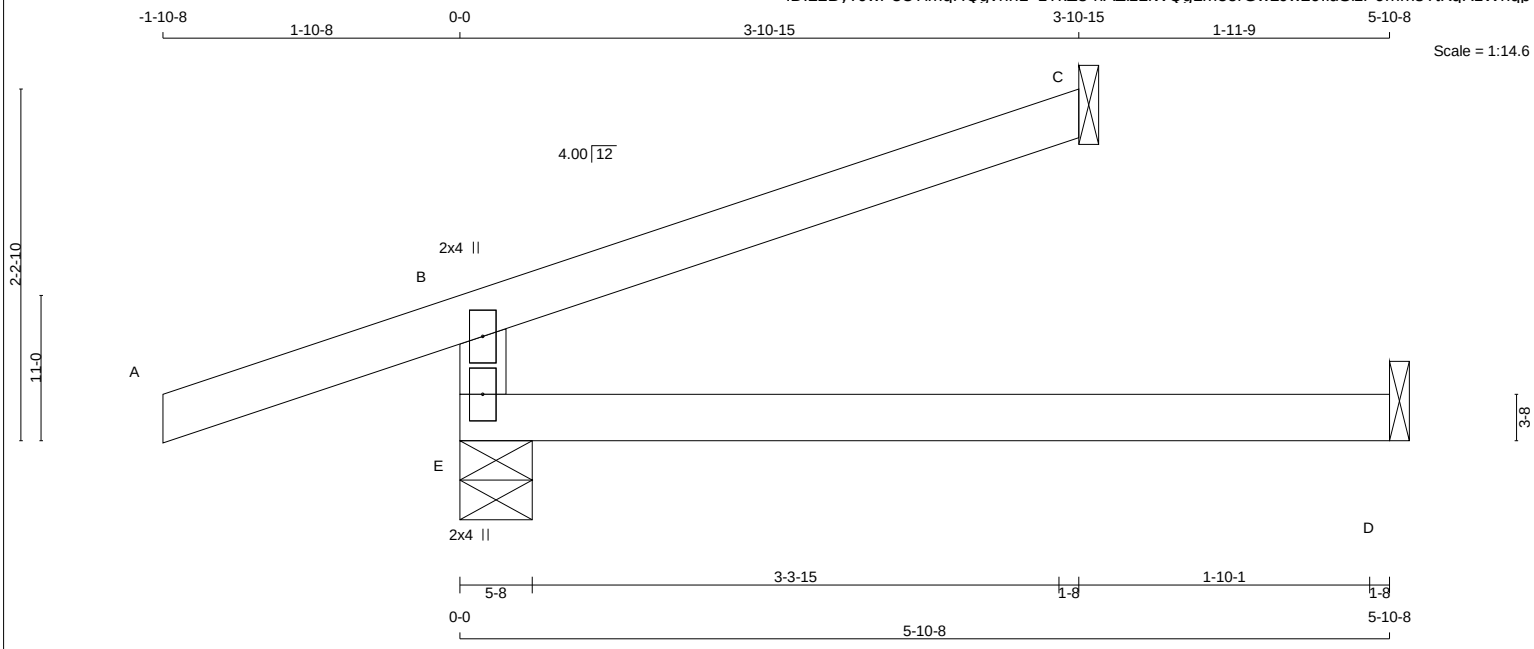

TOTAL WEIGHT = 14 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
E - B	2x4	DRY	1650F 1.5E	SPF
A - C	2x4	DRY	1650F 1.5E	SPF
E - D	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	2.0	4.0		
E	BMV1+p	MT20	2.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
E	670	0	670	0	0	5-8	1-8
C	205	0	205	0	0	1-8	1-8
D	42	0	47	0	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C , D

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	462	369 / 0	0 / 0	0 / 0	0 / 0	93 / 0	0 / 0
C	139	124 / 0	0 / 0	0 / 0	0 / 0	15 / 0	0 / 0
D	33	0 / 0	0 / 0	0 / 0	0 / 0	33 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	WEBS MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
E- B	-608 / 0	0.0	0.0	0.11 (4)	7.81			
A- B	0 / 42	-139.4	-139.4	0.30 (1)	10.00			
B- C	-22 / 0	-139.4	-139.4	0.30 (1)	6.25			
E- D	0 / 0	-17.5	-17.5	0.11 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

DESIGN ASSUMPTIONS
-OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.00")
ALLOWABLE DEFL.(TL)= L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.03")

CSI: TC=0.30/1.00 (B-C:1) , BC=0.11/1.00 (D-E:4) , WB=0.00/1.00 (n/a:0) , SSI=0.25/1.00 (B-C:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.32 (B) (INPUT = 0.90)
JSI METAL= 0.18 (B) (INPUT = 1.00)

03/29/2020

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	J11	5	1	Wood Creek Const.	J11
				TRUSS DESC.	57 of 75

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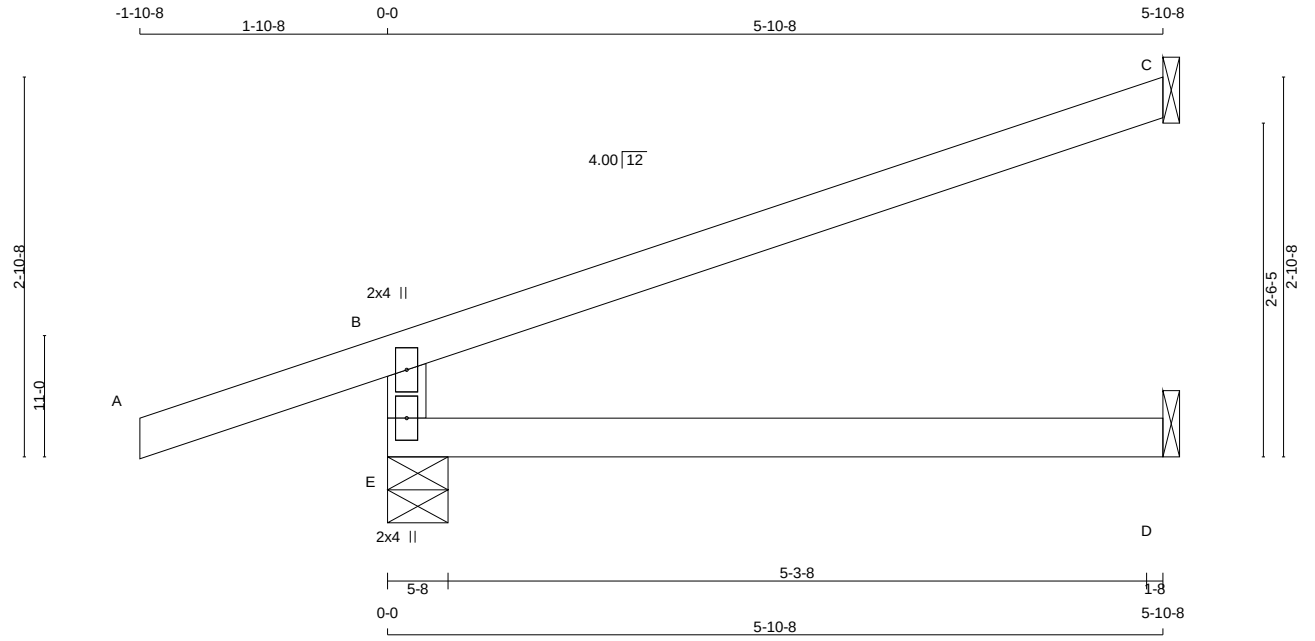


TOTAL WEIGHT = 5 X 17 = 83 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
E - B	2x4	DRY	1650F 1.5E	SPF
A - C	2x4	DRY	1650F 1.5E	SPF
E - D	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMV+p	MT20	2.0	4.0		
E	BMV1+p	MT20	2.0	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
E	841	0	841	0	0	5-8	1-8
C	307	0	307	0	0	1-8	1-8
D	42	0	47	0	0	1-8	1-8

SEE MITEK STANDARD DETAIL B97791H FOR CONNECTION TO JOINT(S) C , D

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
E	578	473 / 0	0 / 0	0 / 0	0 / 0	105 / 0	0 / 0
C	208	186 / 0	0 / 0	0 / 0	0 / 0	22 / 0	0 / 0
D	33	0 / 0	0 / 0	0 / 0	0 / 0	33 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	WEBS MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
E- B	-779 / 0	0.0	0.0	0.11 (4)	7.81			
A- B	0 / 42	-139.4	-139.4	0.30 (1)	10.00			
B- C	-32 / 0	-139.4	-139.4	0.69 (1)	6.25			
E- D	0 / 0	-17.5	-17.5	0.11 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

DESIGN ASSUMPTIONS
-OVERHANG NOT TO BE ALTERED OR CUT OFF.

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.20")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.00")
ALLOWABLE DEFL.(TL)= L/360 (0.20")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.03")

CSI: TC=0.69/1.00 (B-C:1) , BC=0.11/1.00 (D-E:4) , WB=0.00/1.00 (n/a:0) , SSI=0.38/1.00 (B-C:1)

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

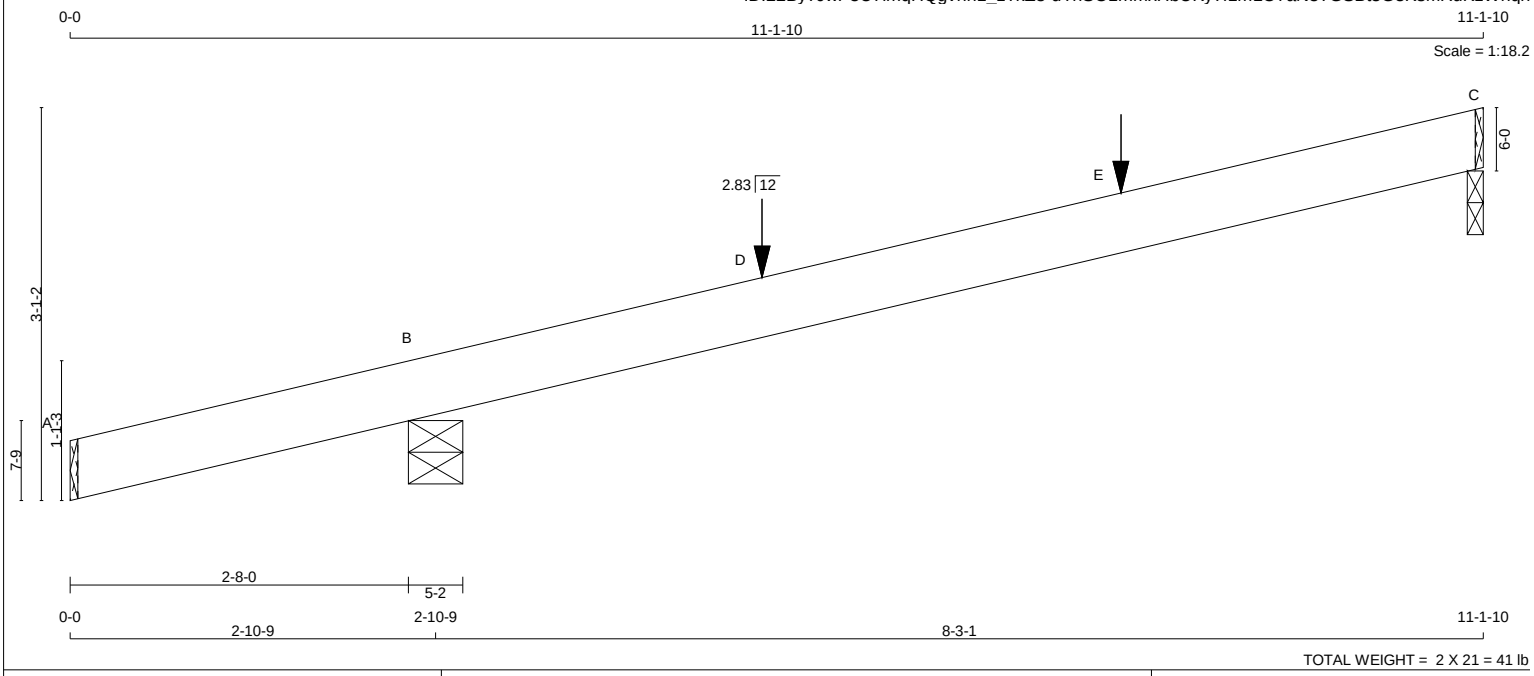
PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.41 (B) (INPUT = 0.90)
JSI METAL= 0.23 (B) (INPUT = 1.00)

03/29/2020



TOTAL WEIGHT = 2 X 21 = 41 lb

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x6	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

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	UPLIFT	IN-SX	IN-SX
C	319	0	319	0	0	1-8	1-8
B	256	0	256	0	0	5-2	5-2

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): C , B

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
C	217	189 / 0	0 / 0	0 / 0	0 / 0	29 / 0	0 / 0
B	176	145 / 0	0 / 0	0 / 0	0 / 0	31 / 0	0 / 0

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

BRACING
TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 0.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING
TOTAL LOAD CASES: (7)

CHORDS						WEBS			
MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 4	-11.6	-11.6	0.03 (1)	10.00			
B- D	0 / 11	-11.6	-11.6	0.44 (1)	6.25			
D- E	0 / 11	-11.6	-11.6	0.44 (1)	6.25			
E- C	0 / 11	-11.6	-11.6	0.44 (1)	6.25			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
D	5-6-1	-35	-35	---	FRONT	VERT	TOTAL	---	C1
D	5-6-1	-26	-26	88	BACK	VERT	TOTAL	---	C1
E	8-4-0	-191	-191	---	BACK	VERT	TOTAL	---	C1
E	8-4-0	-191	-191	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

[M]

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 2.0 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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.28")
CALCULATED VERT. DEFL.(LL) = L/ 567 (0.18")
ALLOWABLE DEFL.(TL)= L/360 (0.28")
CALCULATED VERT. DEFL.(TL) = L/ 374 (0.27")

CSI: TC=0.44/1.00 (B-C:1) , BC=0.00/1.00 (n/a:0) , WB=0.00/1.00 (n/a:0) , SSI=0.21/1.00 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	R2	3	1	Wood Creek Const.	R2
				TRUSS DESC.	59 of 75

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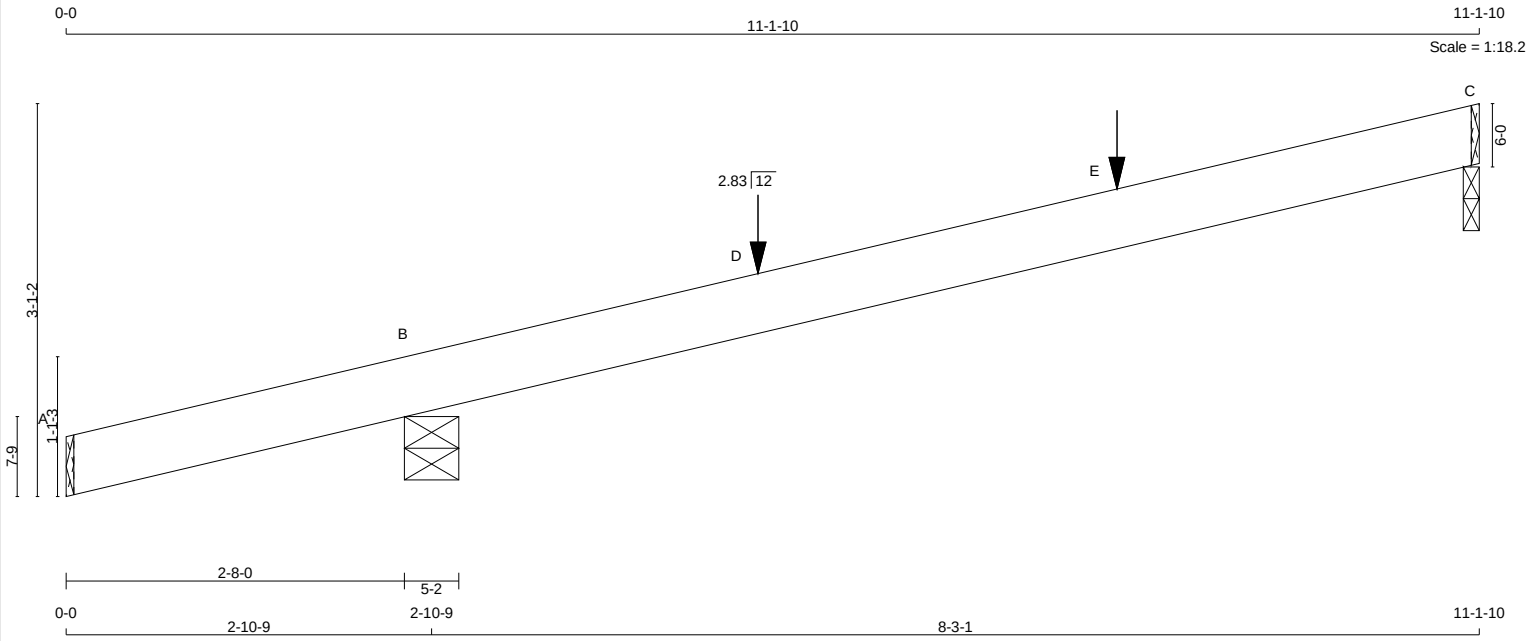

TOTAL WEIGHT = 3 X 21 = 62 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x6	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

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	UPLIFT	IN-SX	IN-SX
C	319	0	319	0	0	1-8	1-8
B	256	0	256	0	0	5-2	5-2

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): C , B

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
C	217	189 / 0	0 / 0	0 / 0	0 / 0	29 / 0	0 / 0
B	176	145 / 0	0 / 0	0 / 0	0 / 0	31 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 0.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (7)

CHORDS					WEBS			
MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB. FR-TO	FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 4	-11.6	-11.6	0.03 (1)	10.00			
B- D	0 / 11	-11.6	-11.6	0.44 (1)	6.25			
D- E	0 / 11	-11.6	-11.6	0.44 (1)	6.25			
E- C	0 / 11	-11.6	-11.6	0.44 (1)	6.25			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
D	5-6-1	-35	-35	---	BACK	VERT	TOTAL	---	C1
D	5-6-1	-26	-26	88	FRONT	VERT	TOTAL	---	C1
E	8-4-0	-191	-191	---	FRONT	VERT	TOTAL	---	C1
E	8-4-0	-191	-191	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

[M]

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 2.0 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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.28")
CALCULATED VERT. DEFL.(LL) = L/ 567 (0.18")
ALLOWABLE DEFL.(TL)= L/360 (0.28")
CALCULATED VERT. DEFL.(TL) = L/ 374 (0.27")

CSI: TC=0.44/1.00 (B-C:1) , BC=0.00/1.00 (n/a:0) , WB=0.00/1.00 (n/a:0) , SSI=0.21/1.00 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

03/29/2020

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	R3	1	1	Wood Creek Const.	R3
				TRUSS DESC.	60 of 75

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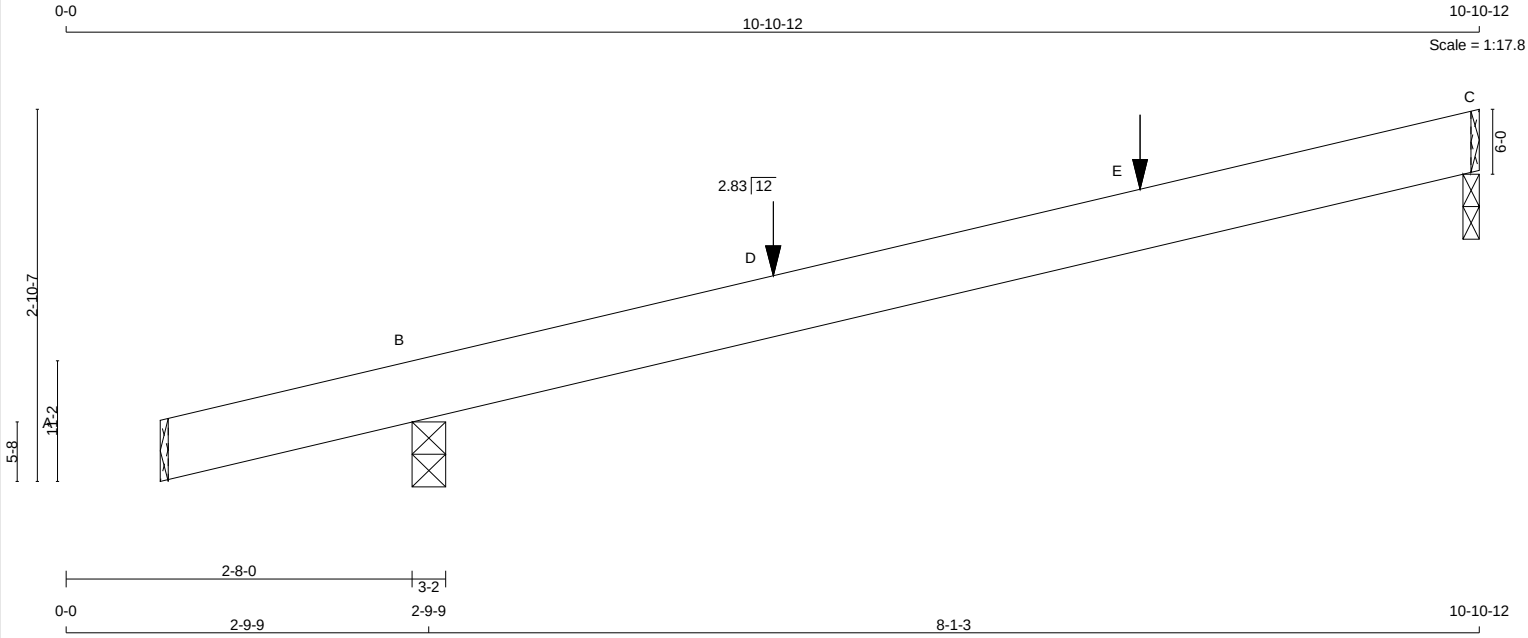

TOTAL WEIGHT = 20 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x6	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

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	UPLIFT	IN-SX	IN-SX
C	323	0	323	0	0	1-8	1-8
B	237	0	237	0	0	3-2	3-2

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): C , B

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
C	220	191 / 0	0 / 0	0 / 0	0 / 0	29 / 0	0 / 0
B	163	134 / 0	0 / 0	0 / 0	0 / 0	29 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 0.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (7)

CHORDS						WEBS			
MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 4	-11.6	-11.6	0.02 (1)	10.00			
B- D	0 / 14	-11.6	-11.6	0.41 (1)	6.25			
D- E	0 / 14	-11.6	-11.6	0.41 (1)	6.25			
E- C	0 / 14	-11.6	-11.6	0.41 (1)	6.25			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
D	5-6-1	-27	-27	---	BACK	VERT	TOTAL	---	C1
D	5-6-1	-26	-26	88	FRONT	VERT	TOTAL	---	C1
E	8-4-0	-191	-191	---	FRONT	VERT	TOTAL	---	C1
E	8-4-0	-188	-188	---	BACK	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

[M]

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 2.0 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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.27")
CALCULATED VERT. DEFL.(LL) = L/ 624 (0.16")
ALLOWABLE DEFL.(TL)= L/360 (0.27")
CALCULATED VERT. DEFL.(TL) = L/ 410 (0.24")

CSI: TC=0.41/1.00 (B-C:1) , BC=0.00/1.00 (n/a:0) , WB=0.00/1.00 (n/a:0) , SSI=0.21/1.00 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

03/29/2020

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	R4	1	1	Wood Creek Const.	R4
				TRUSS DESC.	61 of 75

KAMLOOPS TRUSS LTD., Kamloops, BC V2H 1G3

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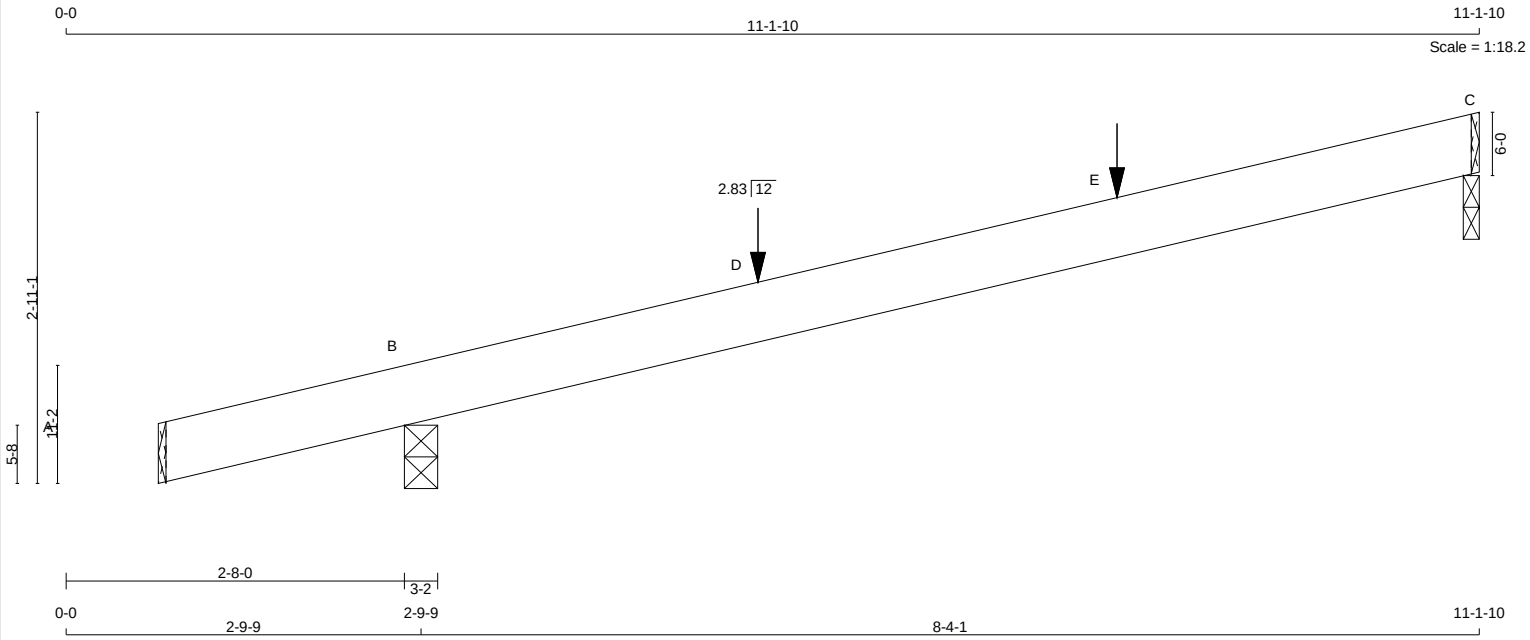

TOTAL WEIGHT = 21 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - C	2x6	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

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	UPLIFT	IN-SX	IN-SX
C	321	0	321	0	0	1-8	1-8
B	253	0	253	0	0	3-2	3-2

BEVELED PLATE OR SHIM REQUIRED TO PROVIDE FULL BEARING SURFACE WITH TRUSS CHORD AT JT(S): C , B

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
C	219	190 / 0	0 / 0	0 / 0	0 / 0	29 / 0	0 / 0
B	174	143 / 0	0 / 0	0 / 0	0 / 0	31 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 0.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (7)

CHORDS						WEBS			
MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 4	-11.6	-11.6	0.02 (1)	10.00			
B- D	0 / 12	-11.6	-11.6	0.44 (1)	6.25			
D- E	0 / 12	-11.6	-11.6	0.44 (1)	6.25			
E- C	0 / 12	-11.6	-11.6	0.44 (1)	6.25			

FACTORED CONCENTRATED LOADS (LBS)

JT	LOC.	LC1	MAX-	MAX+	FACE	DIR.	TYPE	HEEL	CONN.
D	5-6-1	-35	-35	---	FRONT	VERT	TOTAL	---	C1
D	5-6-1	-26	-26	88	BACK	VERT	TOTAL	---	C1
E	8-4-0	-191	-191	---	BACK	VERT	TOTAL	---	C1
E	8-4-0	-191	-191	---	FRONT	VERT	TOTAL	---	C1

CONNECTION REQUIREMENTS

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

[M]

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 2.0 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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.28")
CALCULATED VERT. DEFL.(LL) = L/ 557 (0.18")
ALLOWABLE DEFL.(TL)= L/360 (0.28")
CALCULATED VERT. DEFL.(TL) = L/ 368 (0.27")

CSI: TC=0.44/1.00 (B-C:1) , BC=0.00/1.00 (n/a:0) , WB=0.00/1.00 (n/a:0) , SSI=0.21/1.00 (B-C:1)

DOL LUMBER=1.00 NAIL=1.00 LS BEND=1.00 COMP=1.00 SHEAR=1.00 TENS= 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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

03/29/2020

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	ST1	1	1	Wood Creek Const. TRUSS DESC.	62 of 75

KAMLOOPS TRUSS LTD., Kamloops, BC V2H 1G3

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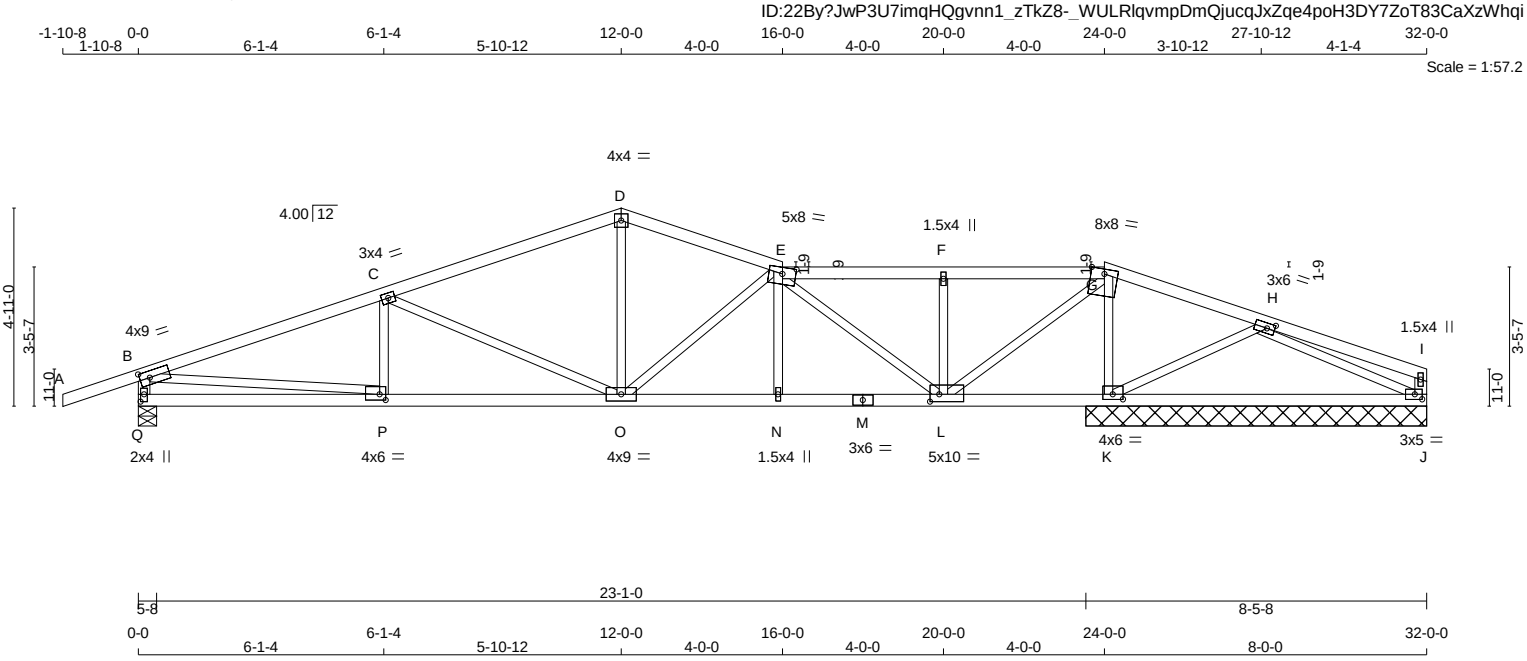

TOTAL WEIGHT = 119 lb

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	1650F 1.5E	SPF
D - E	2x4	DRY	1650F 1.5E	SPF
E - G	2x4	DRY	1650F 1.5E	SPF
G - I	2x4	DRY	1650F 1.5E	SPF
Q - B	2x4	DRY	1650F 1.5E	SPF
J - I	2x4	DRY	1650F 1.5E	SPF
Q - M	2x4	DRY	1650F 1.5E	SPF
M - J	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	4.0	9.0	2.00	3.00
C	TMWW-t	MT20	3.0	4.0		
D	TTW-p	MT20	4.0	4.0		
E	TTWWW-m	MT20	5.0	8.0	2.00	4.00
F	TMW+w	MT20	1.5	4.0		
G	TTWW-m	MT20	8.0	8.0	Edge	
H	TMWW-t	MT20	3.0	6.0	1.50	2.25
I	TMV+p	MT20	1.5	4.0		
J	BMVW1-t	MT20	3.0	5.0	1.50	2.25
K	BMWW1-t	MT20	4.0	6.0	1.50	3.00
L	BMWWW-t	MT20	5.0	10.0	2.25	2.75
M	BS-t	MT20	3.0	6.0		
N	BMW+w	MT20	1.5	4.0		
O	BMWWW-t	MT20	4.0	9.0		
P	BMWW-t	MT20	4.0	6.0	1.75	1.75

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
Q	1908	0	1908	0	0	5-8	2-13
K	3523	0	3523	0	0	8-5-8	5-1-3
J	-144	0	0	0	-144	8-5-8	5-1-3

PROVIDE ANCHORAGE AT BEARING JOINT J FOR 150 LBS FACTORED UPLIFT

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
Q	1317	1047 / 0	0 / 0	0 / 0	0 / 0	270 / 0	0 / 0
K	2439	1901 / 0	0 / 0	0 / 0	0 / 0	538 / 0	0 / 0
J	-100	0 / -78	0 / 0	0 / 0	0 / 0	0 / -21	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.43 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 5.41 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 42	-139.4	-139.4	0.30 (1)	10.00
B- C	-3025 / 0	-139.4	-139.4	0.88 (1)	3.43
C- D	-1958 / 0	-139.4	-139.4	0.77 (1)	4.21
D- E	-1937 / 0	-139.4	-139.4	0.35 (1)	4.99
E- F	-532 / 0	-139.4	-139.4	0.30 (1)	6.25
F- G	-532 / 0	-139.4	-139.4	0.30 (1)	6.25
G- H	0 / 1919	-139.4	-139.4	0.56 (1)	10.00
H- I	0 / 23	-139.4	-139.4	0.34 (1)	10.00
Q- B	-1857 / 0	0.0	0.0	0.12 (1)	6.89
J- I	-208 / 0	0.0	0.0	0.01 (1)	7.81
Q- P	0 / 0	-17.5	-17.5	0.12 (4)	10.00
P- O	0 / 2898	-17.5	-17.5	0.39 (1)	10.00
O- N	0 / 1916	-17.5	-17.5	0.28 (1)	10.00
N- M	0 / 1914	-17.5	-17.5	0.28 (1)	10.00
M- L	0 / 1914	-17.5	-17.5	0.28 (1)	10.00
L- K	-1759 / 0	-17.5	-17.5	0.22 (4)	5.41
K- J	-829 / 0	-17.5	-17.5	0.22 (4)	6.25

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
P- C	-191 / 71	0.03 (1)
C- O	-1173 / 0	0.89 (1)
O- D	0 / 656	0.15 (1)
O- E	-112 / 0	0.05 (1)
N- E	0 / 79	0.03 (4)
E- L	-1776 / 0	0.78 (1)
L- F	-704 / 0	0.14 (1)
L- G	0 / 2940	0.66 (1)
K- G	-2840 / 0	0.60 (1)
K- H	-1147 / 0	0.38 (1)
B- P	0 / 2913	0.66 (1)
H- J	0 / 922	0.21 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN ALL FLAT SECTIONS BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.80")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.15")
ALLOWABLE DEFL.(TL)= L/360 (0.80")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.25")

CSI: TC=0.88/1.00 (B-C:1) , BC=0.39/1.00 (O-P:1) , WB=0.89/1.00 (C-O:1) , SSI=0.38/1.00 (B-C:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) 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 (C) (INPUT = 0.90)
JSI METAL= 0.69 (P) (INPUT = 1.00)

CONTINUED ON PAGE 2

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
Q	BMV1+p	MT20	2.0	4.0	2.25	1.00

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

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	ST2	1	1	Wood Creek Const. TRUSS DESC.	64 of 75

KAMLOOPS TRUSS LTD., Kamloops, BC V2H 1G3

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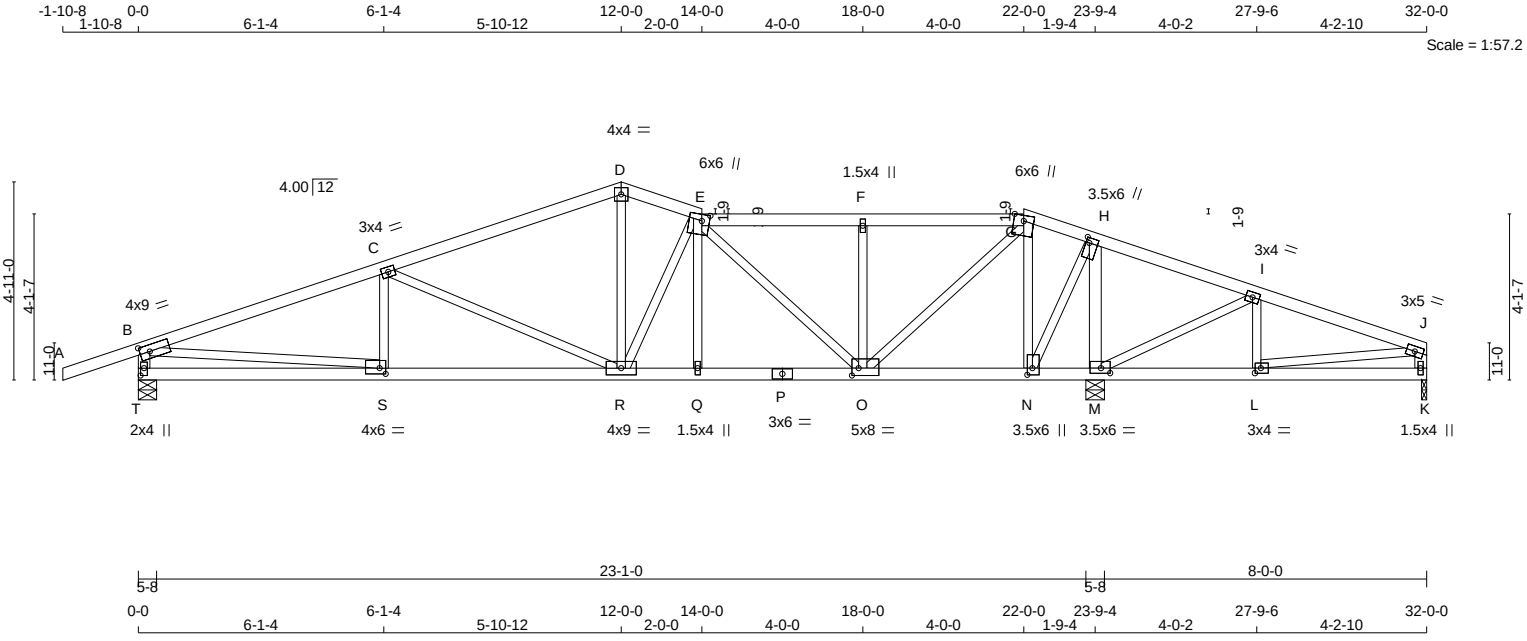

TOTAL WEIGHT = 128 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	1650F 1.5E	SPF
D - E	2x4	DRY	1650F 1.5E	SPF
E - G	2x4	DRY	1650F 1.5E	SPF
G - J	2x4	DRY	1650F 1.5E	SPF
T - B	2x4	DRY	1650F 1.5E	SPF
K - J	2x4	DRY	1650F 1.5E	SPF
T - P	2x4	DRY	1650F 1.5E	SPF
P - K	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
M - H	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	4.0	9.0	2.00	3.00
C	TMWW-t	MT20	3.0	4.0		
D	TTW-p	MT20	4.0	4.0		
E	TTWWW+m	MT20	6.0	6.0	2.00	2.25
F	TMW+w	MT20	1.5	4.0		
G	TTWW+m	MT20	6.0	6.0	Edge	
H	TMWW+t	MT20	3.5	6.0	1.50	1.00
I	TMWW-t	MT20	3.0	4.0		
J	TMVW-t	MT20	3.0	5.0		
K	BMV1+p	MT20	1.5	4.0		
L	BMWW-t	MT20	3.0	4.0	1.50	1.75
M	BMWW1-t	MT20	3.5	6.0	1.50	2.75
N	BMWW+t	MT20	3.5	6.0	2.00	1.50
O	BMWWW-t	MT20	5.0	8.0	2.25	2.00

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
T	1905	0	1905	0	0	5-8	2-13
M	3393	0	3393	0	0	5-8	4-5
K	-10	0	0	0	-10	1-8	1-8

PROVIDE ANCHORAGE AT BEARING JOINT K FOR 150 LBS FACTORED UPLIFT

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
T	1315	1046 / 0	0 / 0	0 / 0	0 / 0	269 / 0	0 / 0
M	2349	1828 / 0	0 / 0	0 / 0	0 / 0	521 / 0	0 / 0
K	-7	0 / -5	0 / 0	0 / 0	0 / 0	0 / -3	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.90 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 5.84 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 42	-139.4	-139.4	0.30 (1)	10.00
B- C	-3017 / 0	-139.4	-139.4	0.60 (1)	3.90
C- D	-1950 / 0	-139.4	-139.4	0.54 (1)	4.72
D- E	-1938 / 0	-139.4	-139.4	0.08 (1)	5.36
E- F	-1134 / 0	-139.4	-139.4	0.23 (1)	6.25
F- G	-1134 / 0	-139.4	-139.4	0.23 (1)	6.25
G- H	0 / 546	-139.4	-139.4	0.27 (1)	10.00
H- I	0 / 1599	-139.4	-139.4	0.48 (1)	10.00
I- J	0 / 628	-139.4	-139.4	0.37 (1)	10.00
T- B	-1854 / 0	0.0	0.0	0.12 (1)	6.90
K- J	0 / 44	0.0	0.0	0.01 (4)	10.00
T- S	0 / 0	-17.5	-17.5	0.12 (4)	10.00
S- R	0 / 2890	-17.5	-17.5	0.40 (1)	10.00
R- Q	0 / 1938	-17.5	-17.5	0.29 (1)	10.00
Q- P	0 / 1938	-17.5	-17.5	0.27 (1)	10.00
P- O	0 / 1938	-17.5	-17.5	0.27 (1)	10.00
O- N	-499 / 0	-17.5	-17.5	0.04 (4)	6.25
N- M	-1522 / 0	-17.5	-17.5	0.10 (1)	5.84
M- L	-577 / 0	-17.5	-17.5	0.09 (1)	6.25
L- K	0 / 0	-17.5	-17.5	0.06 (4)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
S- C	-191 / 71	0.03 (1)
C- R	-1173 / 0	0.89 (1)
R- D	0 / 818	0.18 (1)
R- E	-256 / 0	0.08 (1)
Q- E	0 / 36	0.01 (4)
E- O	-1123 / 0	0.59 (1)
O- F	-721 / 0	0.19 (1)
O- G	0 / 2276	0.51 (1)
N- G	-1968 / 0	0.53 (1)
N- H	0 / 2184	0.49 (1)
M- H	-2789 / 0	0.30 (1)
M- I	-1059 / 0	0.35 (1)
L- I	0 / 139	0.04 (4)
B- S	0 / 2905	0.65 (1)
L- J	-583 / 0	0.17 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN ALL FLAT SECTIONS BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (0.79")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.15")
ALLOWABLE DEFL.(TL)= L/360 (0.79")
CALCULATED VERT. DEFL.(TL) = L/ 999 (0.24")

CSI: TC=0.60/1.00 (B-C:1) , BC=0.40/1.00 (R-S:1) , WB=0.89/1.00 (C-R:1) , SSI=0.38/1.00 (B-C:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.90 (I) (INPUT = 0.90)
JSI METAL= 0.69 (S) (INPUT = 1.00)

CONTINUED ON PAGE 2

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
P	BS-t	MT20	3.0	6.0		
Q	BMW+w	MT20	1.5	4.0		
R	BMWWW-t	MT20	4.0	9.0		
S	BMWW-t	MT20	4.0	6.0	1.75	1.75
T	BMV1+p	MT20	2.0	4.0	2.25	1.00

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

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	ST3	1	1	Wood Creek Const. TRUSS DESC.	66 of 75 **ST3**

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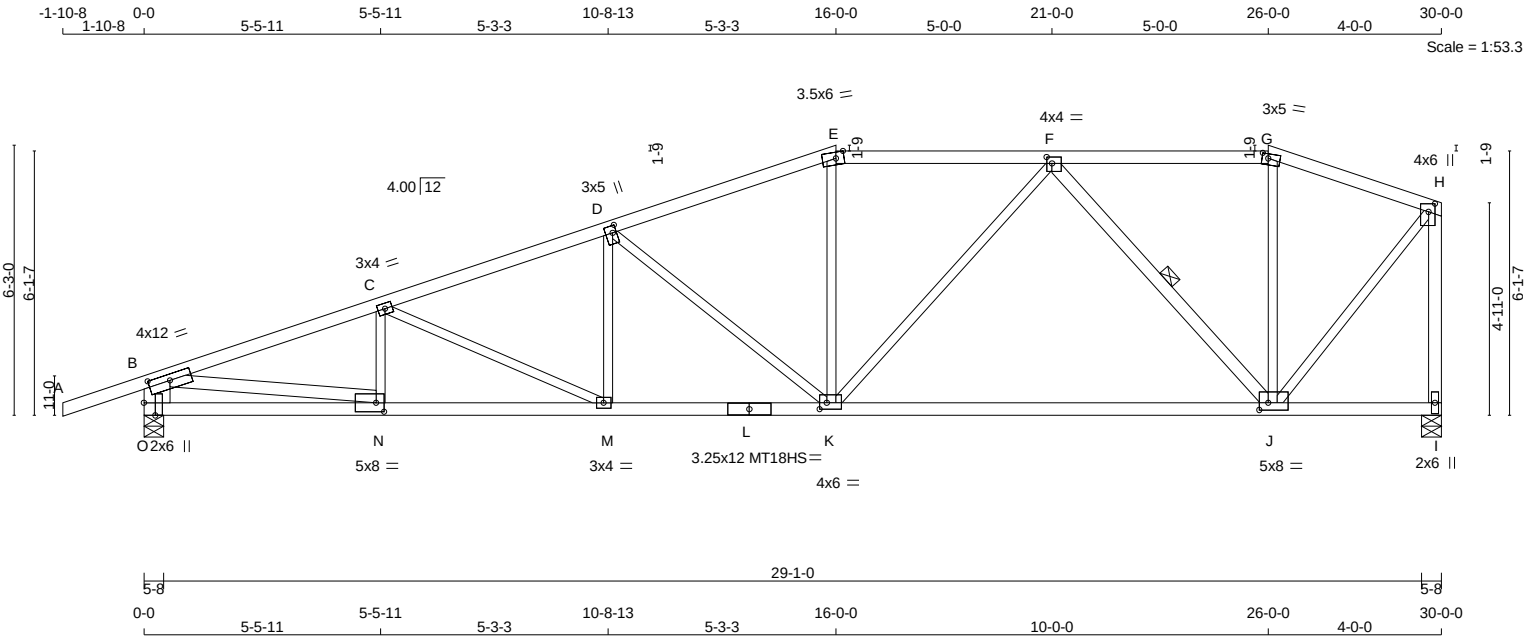

TOTAL WEIGHT = 127 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - E	2x4	DRY	1650F 1.5E	SPF
E - G	2x4	DRY	1650F 1.5E	SPF
G - H	2x4	DRY	1650F 1.5E	SPF
I - H	2x4	DRY	1650F 1.5E	SPF
O - B	2x8	DRY	1950F 1.7E	DF
O - L	2x4	DRY	1650F 1.5E	SPF
L - I	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
F - J	2x4	DRY	1650F 1.5E	SPF
B - N	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-t	MT20	4.0	12.0	1.75	6.00
C	TMWW-t	MT20	3.0	4.0		
D	TMWW+t	MT20	3.0	5.0	2.00	1.00
E	TTW-m	MT20	3.5	6.0	Edge	2.25
F	TMWW-t	MT20	4.0	4.0	1.75	1.50
G	TTW-m	MT20	3.0	5.0	1.25	1.75
H	TMVW+p	MT20	4.0	6.0	2.25	1.75
I	BMV1+p	MT20	2.0	6.0		
J	BMWWW-t	MT20	5.0	8.0	2.00	2.50
K	BMWWW-t	MT20	4.0	6.0	1.75	2.00
L	BS-t	MT18HS	3.25	12.0		
M	BMWW-t	MT20	3.0	4.0		
N	BMWW-t	MT20	5.0	8.0	2.50	2.25
O	BMV1+p	MT20	2.0	6.0	Edge	3.25

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
O	2621	0	2621	0	0	5-8	2-13
I	2353	0	2353	0	0	5-8	4-2

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O	1811	1431 / 0	0 / 0	0 / 0	0 / 0	379 / 0	0 / 0
I	1629	1269 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.30 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 - 1x4 LATERAL BRACE(S) AT 1/ 2 LENGTH OF F-J. DBS = 16-0-0 . CBF = 185 LBS.

DBS = DIAGONAL BRACE SPACING (MAX). CBF = CUMULATIVE BRACING FORCE (PER BRACE). FASTEN LATERAL BRACE(S) USING (0.122"X3") SPIRAL NAILS : 1 NAIL FOR 2x3 BRACE(S), 2 FOR 1x4, 2x4, 2x5, 3 FOR 2x6, 4 FOR 2x8, 5 FOR 2x10, AND 6 FOR 2x12.

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: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM	TO	MAX CSI (LC)	MAX. UNBRAC LENGTH
A- B	0 / 42	-139.4	-139.4	0.30 (1)	10.00
B- C	-4675 / 0	-139.4	-139.4	0.57 (1)	3.30
C- D	-4168 / 0	-139.4	-139.4	0.45 (1)	3.62
D- E	-3193 / 0	-139.4	-139.4	0.43 (1)	4.05
E- F	-3013 / 0	-139.4	-139.4	0.42 (1)	4.14
F- G	-1380 / 0	-139.4	-139.4	0.38 (1)	5.66
G- H	-1445 / 0	-139.4	-139.4	0.25 (1)	5.76
I- H	-2349 / 0	0.0	0.0	0.72 (1)	6.30
O- B	-2573 / 0	0.0	0.0	0.07 (1)	7.81
O- N	0 / 0	-17.5	-17.5	0.09 (4)	10.00
N- M	0 / 4454	-17.5	-17.5	0.59 (1)	10.00
M- L	0 / 3955	-17.5	-17.5	0.60 (1)	10.00
L- K	0 / 3955	-17.5	-17.5	0.60 (1)	10.00
K- J	0 / 2598	-17.5	-17.5	0.44 (1)	10.00
J- I	0 / 0	-17.5	-17.5	0.25 (4)	10.00

WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
N- C	-410 / 15	0.07 (1)
N- M	-550 / 0	0.32 (1)
M- D	0 / 300	0.07 (1)
D- K	-1206 / 0	0.98 (1)
K- E	0 / 447	0.10 (1)
K- F	0 / 627	0.14 (1)
F- J	-1850 / 0	0.39 (1)
J- G	-88 / 49	0.05 (1)
J- H	0 / 2136	0.48 (1)
B- N	0 / 4482	0.52 (1)

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.00")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.22")
ALLOWABLE DEFL.(TL)= L/360 (1.00")
CALCULATED VERT. DEFL.(TL) = L/ 923 (0.39")

CSI: TC=0.72/1.00 (H-I:1) , BC=0.60/1.00 (K-M:1) , WB=0.98/1.00 (D-K:1) , SSI=0.34/1.00 (E-F:1)

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

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873
MT18HS	586	403	2455	1382	3163	3004

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

CONTINUED ON PAGE 2

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

JSI GRIP= 0.89 (H) (INPUT = 0.90)
JSI METAL= 0.79 (N) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	ST4	1	1	Wood Creek Const. TRUSS DESC.	ST4

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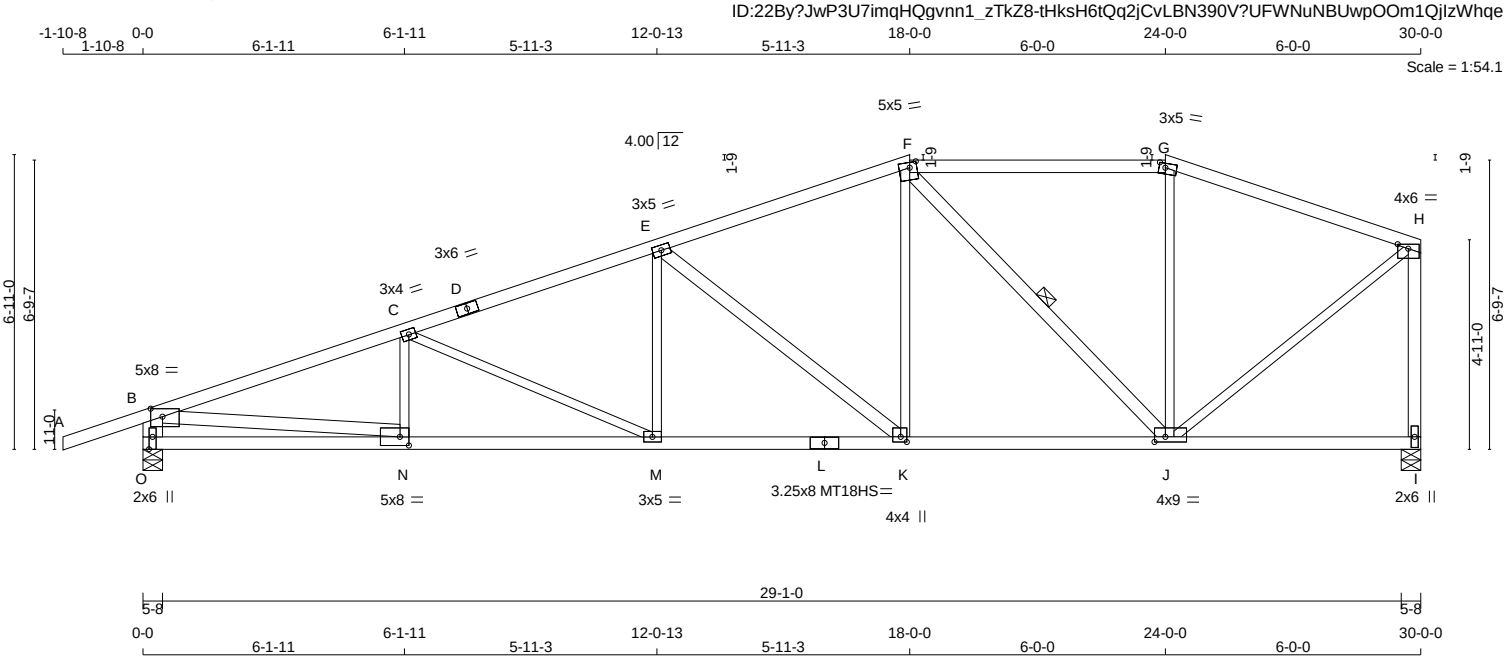


TOTAL WEIGHT = 129 lb

[M][F]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - D	2x4	DRY	1650F 1.5E	SPF
D - F	2x4	DRY	1650F 1.5E	SPF
F - G	2x4	DRY	2100F 1.8E	SPF
G - H	2x4	DRY	2100F 1.8E	SPF
I - H	2x4	DRY	1650F 1.5E	SPF
O - B	2x6	DRY	1650F 1.5E	SPF
O - L	2x4	DRY	1650F 1.5E	SPF
L - I	2x4	DRY	1650F 1.5E	SPF
ALL WEBS EXCEPT	2x3	DRY	No.2	SPF
E - K	2x4	DRY	1650F 1.5E	SPF
F - J	2x4	DRY	1650F 1.5E	SPF
B - N	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
B	TMVW-p	MT20	5.0	8.0	2.25	3.25
C	TMWW-t	MT20	3.0	4.0		
D	TS-t	MT20	3.0	6.0		
E	TMWW-t	MT20	3.0	5.0		
F	TTWW-m	MT20	5.0	5.0	1.50	2.00
G	TTW-m	MT20	3.0	5.0	1.25	1.75
H	TMVW-p	MT20	4.0	6.0	1.25	3.00
I	BMV1+p	MT20	2.0	6.0		
J	BMWWW-t	MT20	4.0	9.0	1.50	3.00
K	BMWW+t	MT20	4.0	4.0	1.50	1.75
L	BS-t	MT18HS	3.25	8.0		
M	BMWW-t	MT20	3.0	5.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
O	2621	0	2621	0	0	5-8	3-0
I	2353	0	2353	0	0	5-8	4-2

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
O	1811	1431 / 0	0 / 0	0 / 0	0 / 0	379 / 0	0 / 0
I	1629	1269 / 0	0 / 0	0 / 0	0 / 0	360 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 3.13 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

1 - 1x4 LATERAL BRACE(S) AT 1/ 2 LENGTH OF F-J. DBS = 20-0-0 . CBF = 160 LBS.

DBS = DIAGONAL BRACE SPACING (MAX). CBF = CUMULATIVE BRACING FORCE (PER BRACE). FASTEN LATERAL BRACE(S) USING (0.122"X3") SPIRAL NAILS : 1 NAIL FOR 2x3 BRACE(S), 2 FOR 1x4, 2x4, 2x5, 3 FOR 2x6, 4 FOR 2x8, 5 FOR 2x10, AND 6 FOR 2x12.

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: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD LC1 FROM	TO	MAX (PLF) CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- B	0 / 42	-139.4	-139.4	0.30 (1)	10.00	N- C	-350 / 34	0.06 (1)
B- C	-4708 / 0	-139.4	-139.4	0.72 (1)	3.13	C- M	-788 / 0	0.61 (1)
C- D	-3973 / 0	-139.4	-139.4	0.56 (1)	3.57	M- E	0 / 431	0.10 (1)
D- E	-3973 / 0	-139.4	-139.4	0.56 (1)	3.57	E- K	-1487 / 0	0.88 (1)
E- F	-2764 / 0	-139.4	-139.4	0.53 (1)	4.15	K- F	0 / 1029	0.23 (1)
F- G	-1717 / 0	-139.4	-139.4	0.44 (1)	5.47	F- J	-1282 / 0	0.37 (1)
G- H	-1799 / 0	-139.4	-139.4	0.44 (1)	5.38	J- G	-283 / 38	0.23 (1)
I- H	-2312 / 0	0.0	0.0	0.71 (1)	6.33	J- H	0 / 2175	0.49 (1)
O- B	-2568 / 0	0.0	0.0	0.10 (1)	7.23	B- N	0 / 4511	0.53 (1)
O- N	0 / 0	-17.5	-17.5	0.11 (4)	10.00			
N- M	0 / 4489	-17.5	-17.5	0.58 (1)	10.00			
M- L	0 / 3770	-17.5	-17.5	0.49 (1)	10.00			
L- K	0 / 3770	-17.5	-17.5	0.49 (1)	10.00			
K- J	0 / 2590	-17.5	-17.5	0.37 (1)	10.00			
J- I	0 / 0	-17.5	-17.5	0.13 (4)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	PSF

SPACING = 24.0 IN. C/C

LOADING IN FLAT SECTION BASED ON A SLOPE OF 2.00/12 MINIMUM

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

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

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

ALLOWABLE DEFL.(LL)= L/360 (1.00")
CALCULATED VERT. DEFL.(LL) = L/ 999 (0.23")
ALLOWABLE DEFL.(TL)= L/360 (1.00")
CALCULATED VERT. DEFL.(TL) = L/ 961 (0.37")

CSI: TC=0.72/1.00 (B-C:1) , BC=0.58/1.00 (M-N:1) , WB=0.88/1.00 (E-K:1) , SSI=0.37/1.00 (B-C:1)

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

AUTOSOLVE RIGHT HEEL ONLY

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

NAIL VALUES

PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873
MT18HS	586	403	2455	1382	3163	3004

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

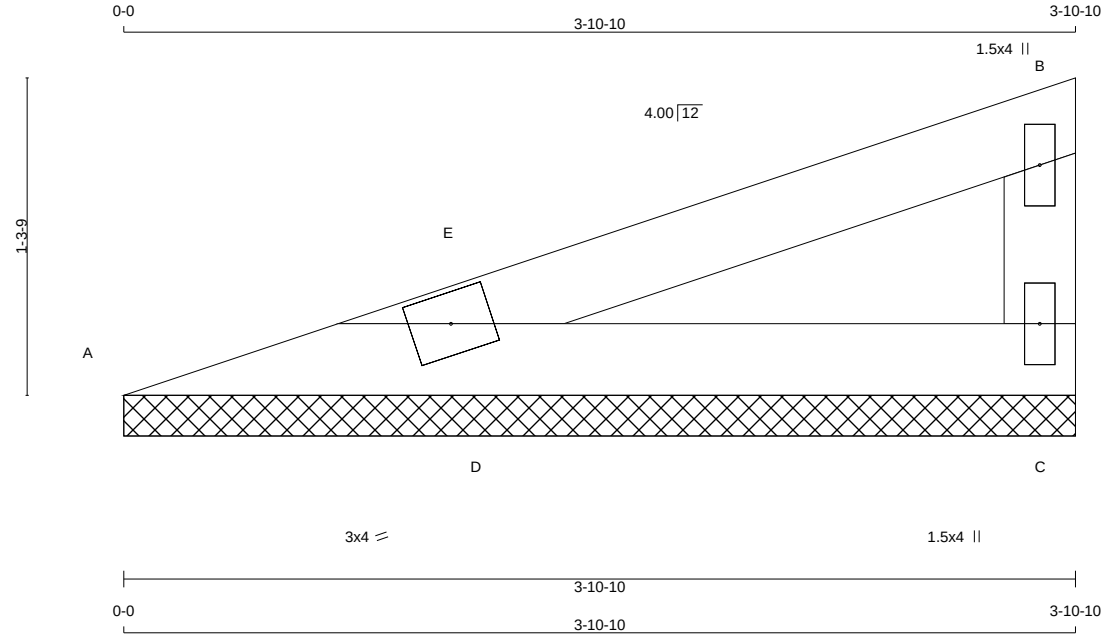
CONTINUED ON PAGE 2

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
N	BMWW-t	MT20	5.0	8.0	2.50	2.50
O	BMV1+p	MT20	2.0	6.0	Edge	1.00

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

JSI GRIP= 0.89 (E) (INPUT = 0.90)
JSI METAL= 0.80 (N) (INPUT = 1.00)



TOTAL WEIGHT = 9 lb [M]

LUMBER
N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - B	2x4	DRY	1650F 1.5E	SPF
C - B	2x4	DRY	1650F 1.5E	SPF
A - C	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TBM1-h	MT20	3.0	4.0		
B	TMV+p	MT20	1.5	4.0		
C	BMV1+p	MT20	1.5	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG	REQRD BRG
A	305	0	305	0	0	3-10-10	3-13
C	305	0	305	0	0	3-10-10	3-13

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
A	211	164 / 0	0 / 0	0 / 0	0 / 0	47 / 0	0 / 0
C	211	164 / 0	0 / 0	0 / 0	0 / 0	47 / 0	0 / 0

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

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: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- E	-16 / 0	-139.4	-139.4	0.13 (1)	6.25	D- E	-157 / 6	0.00 (1)
E- B	0 / 15	-139.4	-139.4	0.18 (1)	10.00			
C- B	-207 / 0	0.0	0.0	0.01 (1)	7.81			
A- D	-11 / 0	-17.5	-17.5	0.20 (1)	6.25			
D- C	0 / 0	-17.5	-17.5	0.20 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.18/1.00 (B-E:1) , BC=0.20/1.00 (A-D:1) , WB=0.00/1.00 (D-E:1) , SSI=0.15/1.00 (B-E:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.15 (B) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	V2	1	1	Wood Creek Const. TRUSS DESC.	71 of 75 **V2**

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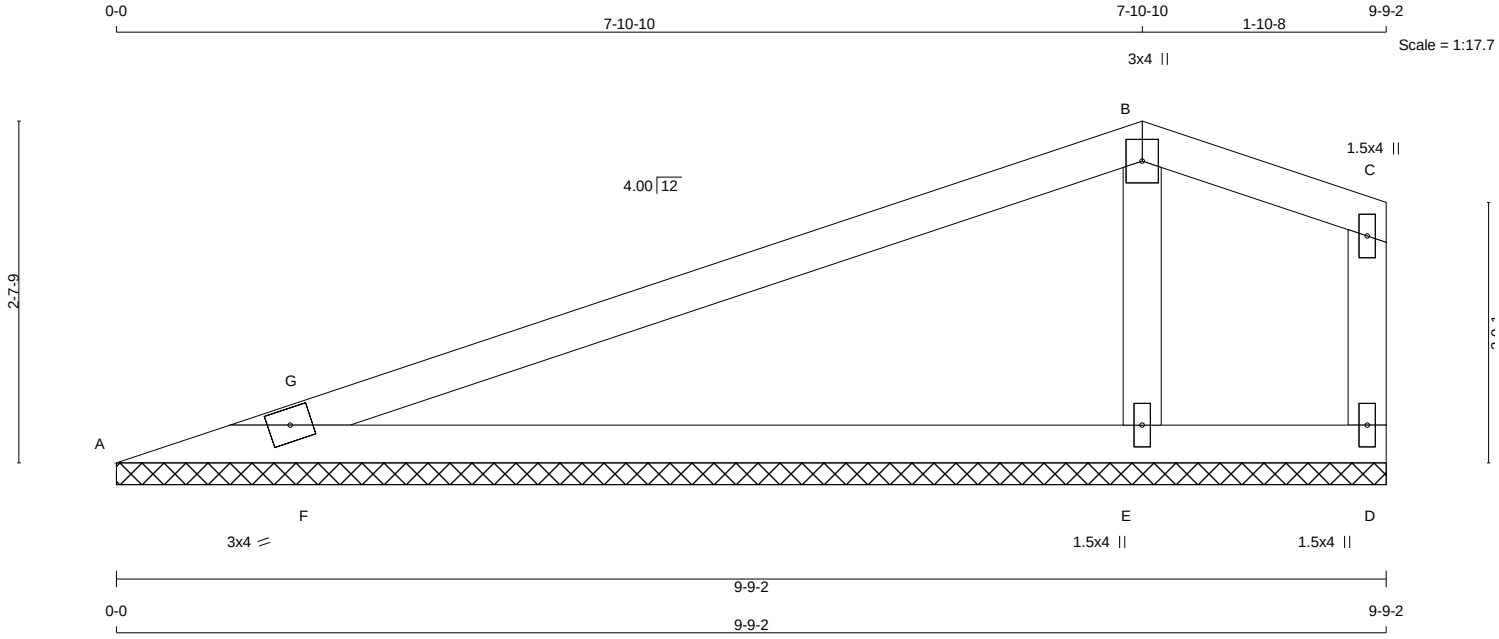

TOTAL WEIGHT = 26 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - B	2x4	DRY	2100F 1.8E	SPF
B - C	2x4	DRY	1650F 1.5E	SPF
D - C	2x4	DRY	1650F 1.5E	SPF
A - D	2x4	DRY	1650F 1.5E	SPF
ALL WEBS	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TBM1-h	MT20	3.0	4.0		
B	TTW+p	MT20	3.0	4.0		
C	TMV+p	MT20	1.5	4.0		
D	BMV1+p	MT20	1.5	4.0		
E	BMW1+w	MT20	1.5	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
A	565	0	565	0	0	9-9-2	2-8-14
D	-77	0	0	0	-77	9-9-2	2-8-14
E	1042	0	1042	0	0	9-9-2	2-8-14

PROVIDE ANCHORAGE AT BEARING JOINT D FOR 150 LBS FACTORED UPLIFT

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
A	391	308 / 0	0 / 0	0 / 0	0 / 0	83 / 0	0 / 0
D	-55	0 / -29	0 / 0	0 / 0	0 / 0	0 / -26	0 / 0
E	724	547 / 0	0 / 0	0 / 0	0 / 0	177 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 10.00 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: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- G	-9 / 0	-139.4	-139.4	0.09 (4)	10.00	E- B	-580 / 0	0.04 (1)
G- B	0 / 3	-139.4	-139.4	0.65 (1)	10.00	F- G	-506 / 0	0.00 (1)
B- C	0 / 0	-139.4	-139.4	0.07 (1)	10.00			
D- C	-131 / 0	0.0	0.0	0.01 (1)	7.81			
A- F	-38 / 0	-17.5	-17.5	0.73 (1)	6.25			
F- E	0 / 0	-17.5	-17.5	0.73 (1)	10.00			
E- D	0 / 0	-17.5	-17.5	0.48 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.65/1.00 (B-G:1) , BC=0.73/1.00 (A-F:1) , WB=0.04/1.00 (B-E:1) , SSI=0.33/1.00 (B-G:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.48 (B) (INPUT = 0.90)
JSI METAL= 0.21 (B) (INPUT = 1.00)

03/29/2020

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	V3	1	1	Wood Creek Const. TRUSS DESC.	72 of 75 **V3**

KAMLOOPS TRUSS LTD., Kamloops, BC V2H 1G3

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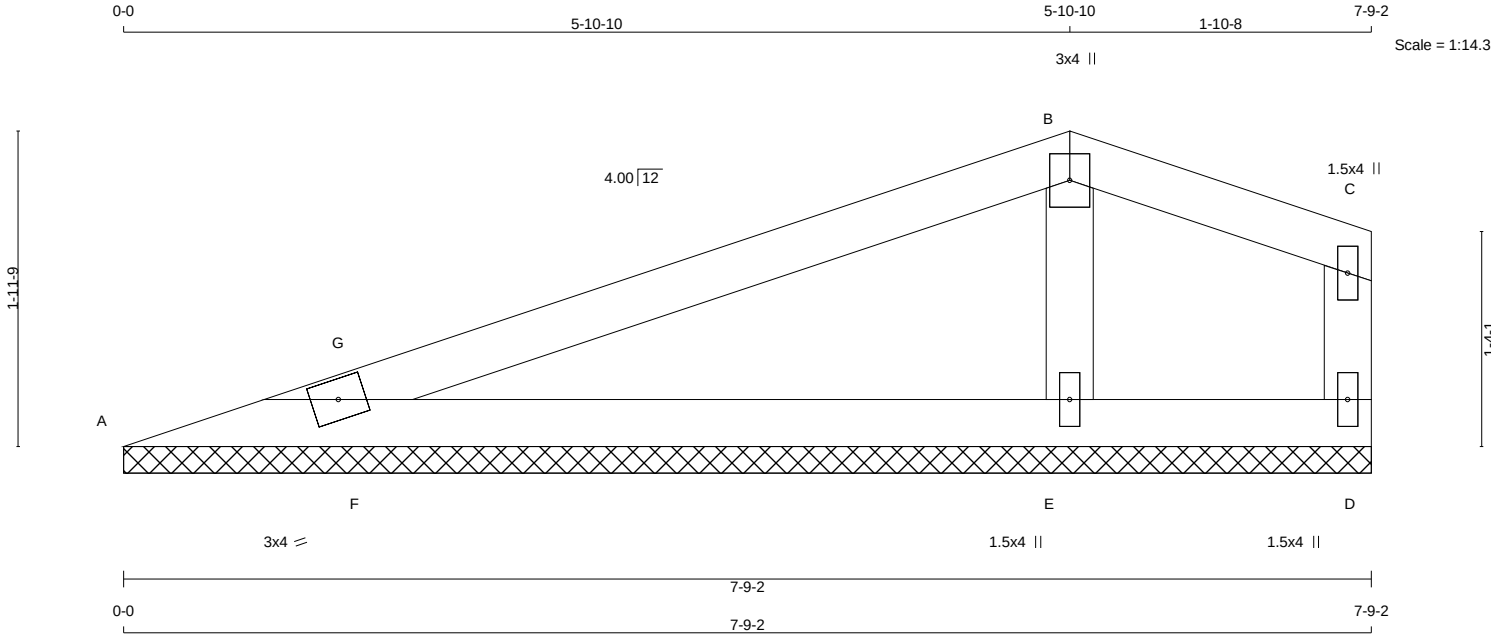

TOTAL WEIGHT = 20 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - B	2x4	DRY	1650F 1.5E	SPF
B - C	2x4	DRY	1650F 1.5E	SPF
D - C	2x4	DRY	1650F 1.5E	SPF
A - D	2x4	DRY	1650F 1.5E	SPF
ALL WEBS	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TBM1-h	MT20	3.0	4.0		
B	TTW+p	MT20	3.0	4.0		
C	TMV+p	MT20	1.5	4.0		
D	BMV1+p	MT20	1.5	4.0		
E	BMW1+w	MT20	1.5	4.0		

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	UPLIFT	IN-SX	IN-SX
A	419	0	419	0	0	7-9-2	1-7-12
D	12	0	12	0	-6	7-9-2	1-7-12
E	787	0	787	0	0	7-9-2	1-7-12

PROVIDE ANCHORAGE AT BEARING JOINT D FOR 150 LBS FACTORED UPLIFT

UNFACTORED REACTIONS

	1ST LCASE	MAX./MIN. COMPONENT REACTIONS					
JT	COMBINED	SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
A	289	227 / 0	0 / 0	0 / 0	0 / 0	62 / 0	0 / 0
D	7	12 / 0	0 / 0	0 / 0	0 / 0	0 / -5	0 / 0
E	546	417 / 0	0 / 0	0 / 0	0 / 0	129 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 10.00 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: (4)

CHORDS						WEBS			
MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- G	-10 / 0	-139.4	-139.4	0.10 (1)	10.00	E- B	-447 / 0	0.03 (1)
G- B	0 / 5	-139.4	-139.4	0.41 (1)	10.00	F- G	-351 / 0	0.00 (1)
B- C	0 / 0	-139.4	-139.4	0.07 (1)	10.00			
D- C	-131 / 0	0.0	0.0	0.01 (1)	7.81			
A- F	-23 / 0	-17.5	-17.5	0.45 (1)	6.25			
F- E	0 / 0	-17.5	-17.5	0.45 (1)	10.00			
E- D	0 / 0	-17.5	-17.5	0.29 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.41/1.00 (B-G:1) , BC=0.45/1.00 (A-F:1) , WB=0.03/1.00 (B-E:1) , SSI=0.23/1.00 (B-G:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.34 (B) (INPUT = 0.90)
JSI METAL= 0.14 (B) (INPUT = 1.00)

03/29/2020

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	V4	1	1	Wood Creek Const. TRUSS DESC.	73 of 75 **V4**

KAMLOOPS TRUSS LTD., Kamloops, BC V2H 1G3

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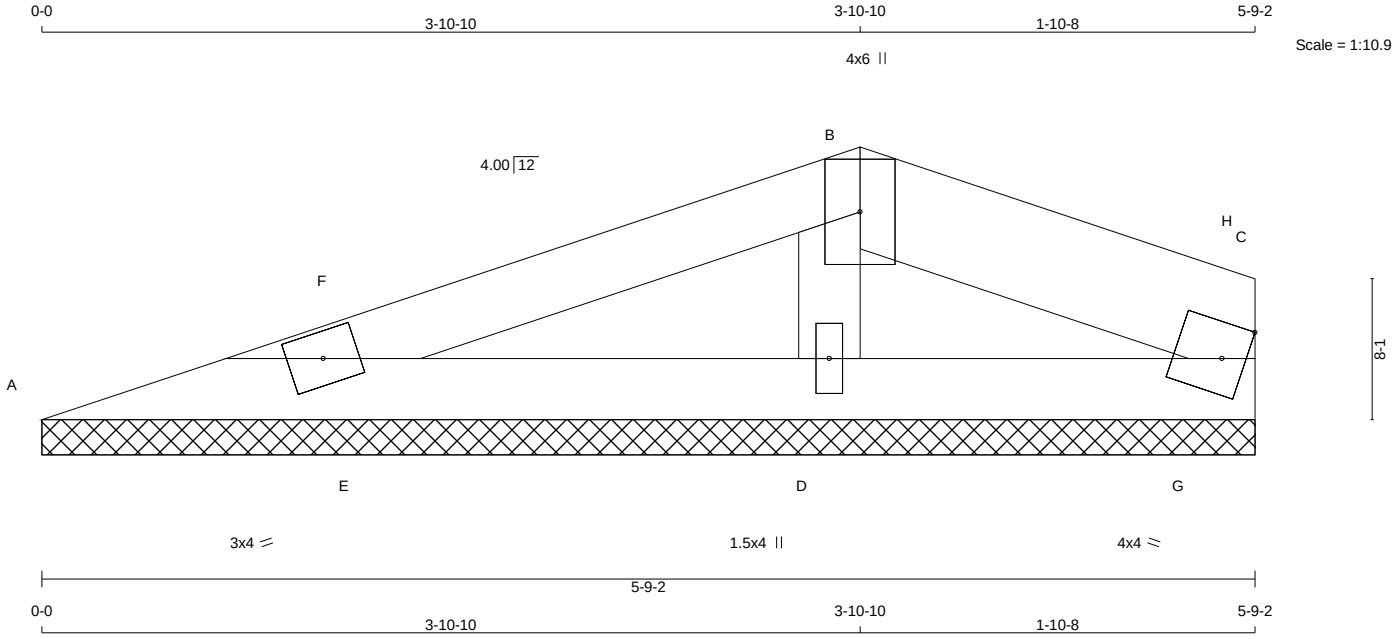


TOTAL WEIGHT = 15 lb [M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - B	2x4	DRY	1650F 1.5E	SPF
B - C	2x6	DRY	1650F 1.5E	SPF
A - C	2x4	DRY	1650F 1.5E	SPF
ALL WEBS	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TBM1-h	MT20	3.0	4.0		
B	TTW+p	MT20	4.0	6.0		
C	TBM1-h	MT20	4.0	4.0		Edge
D	BMW1+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 VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
A	206	0	206	0	0	5-9-2	1-1-1
C	-4	0	0	0	-4	5-9-2	1-1-1
D	702	0	702	0	0	5-9-2	1-1-1

PROVIDE ANCHORAGE AT BEARING JOINT C FOR 150 LBS FACTORED UPLIFT

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
A	142	111 / 0	0 / 0	0 / 0	0 / 0	31 / 0	0 / 0
C	-3	0 / -1	0 / 0	0 / 0	0 / 0	0 / -1	0 / 0
D	486	377 / 0	0 / 0	0 / 0	0 / 0	109 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 10.00 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: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- F	0 / 267	-139.4	-139.4	0.11 (1)	10.00	D- B	-461 / 0	0.03 (1)
F- B	0 / 284	-139.4	-139.4	0.16 (1)	10.00	E- F	-207 / 0	0.00 (1)
B- H	0 / 211	-139.4	-139.4	0.04 (1)	10.00	G- H	-289 / 0	0.00 (1)
H- C	0 / 306	-139.4	-139.4	0.03 (1)	10.00			
A- E	-276 / 0	-17.5	-17.5	0.17 (1)	6.25			
E- D	-266 / 0	-17.5	-17.5	0.17 (1)	6.25			
D- G	-196 / 0	-17.5	-17.5	0.13 (1)	6.25			
G- C	-196 / 0	-17.5	-17.5	0.06 (1)	6.25			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.16/1.00 (B-F:1) , BC=0.17/1.00 (D-E:1) , WB=0.03/1.00 (B-D:1) , SSI=0.17/1.00 (C-G:1)

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

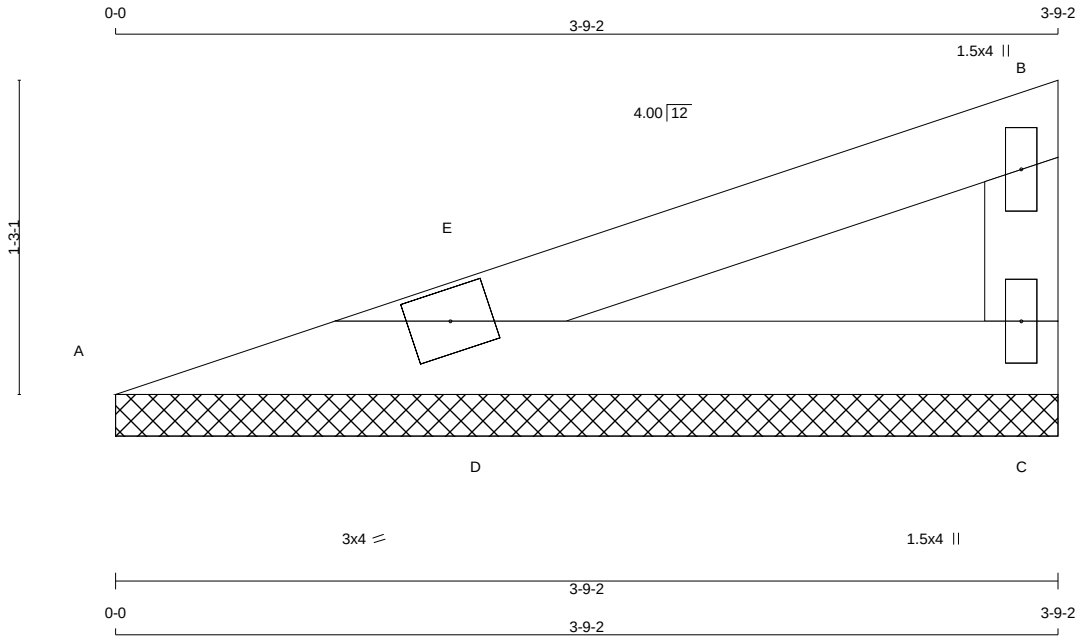
PLATE	GRIP(DRY) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.30 (D) (INPUT = 0.90)
JSI METAL= 0.13 (D) (INPUT = 1.00)

03/29/2020



Scale = 1:9.2

TOTAL WEIGHT = 9 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - B	2x4	DRY	1650F 1.5E	SPF
C - B	2x4	DRY	1650F 1.5E	SPF
A - C	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TBM1-h	MT20	3.0	4.0		
B	TMV+p	MT20	1.5	4.0		
C	BMV1+p	MT20	1.5	4.0		

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

BEARINGS

JT	FACTORED GROSS REACTION VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
A	295	0	295	0	0	3-9-2	3-9
C	295	0	295	0	0	3-9-2	3-9

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
A	204	159 / 0	0 / 0	0 / 0	0 / 0	45 / 0	0 / 0
C	204	159 / 0	0 / 0	0 / 0	0 / 0	45 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.25 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC1 MAX CSI (LC)	WEBS MAX. UNBRAC LENGTH	MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- E	-15 / 0	-139.4	-139.4	0.12 (1)	6.25	D- E	-151 / 6	0.00 (1)
E- B	0 / 15	-139.4	-139.4	0.16 (1)	10.00			
C- B	-199 / 0	0.0	0.0	0.01 (1)	7.81			
A- D	-10 / 0	-17.5	-17.5	0.19 (1)	10.00			
D- C	0 / 0	-17.5	-17.5	0.19 (1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.16/1.00 (B-E:1) , BC=0.19/1.00 (A-D:1) , WB=0.00/1.00 (D-E:1) , SSI=0.15/1.00 (B-E:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.14 (B) (INPUT = 0.90)
JSI METAL= 0.08 (B) (INPUT = 1.00)

03/29/2020

JOB NAME	TRUSS NAME	QUANTITY	PLY	JOB DESC.	DRWG NO.
200656	V6	1	1	Wood Creek Const. TRUSS DESC.	75 of 75 **V6**

KAMLOOPS TRUSS LTD., Kamloops, BC V2H 1G3

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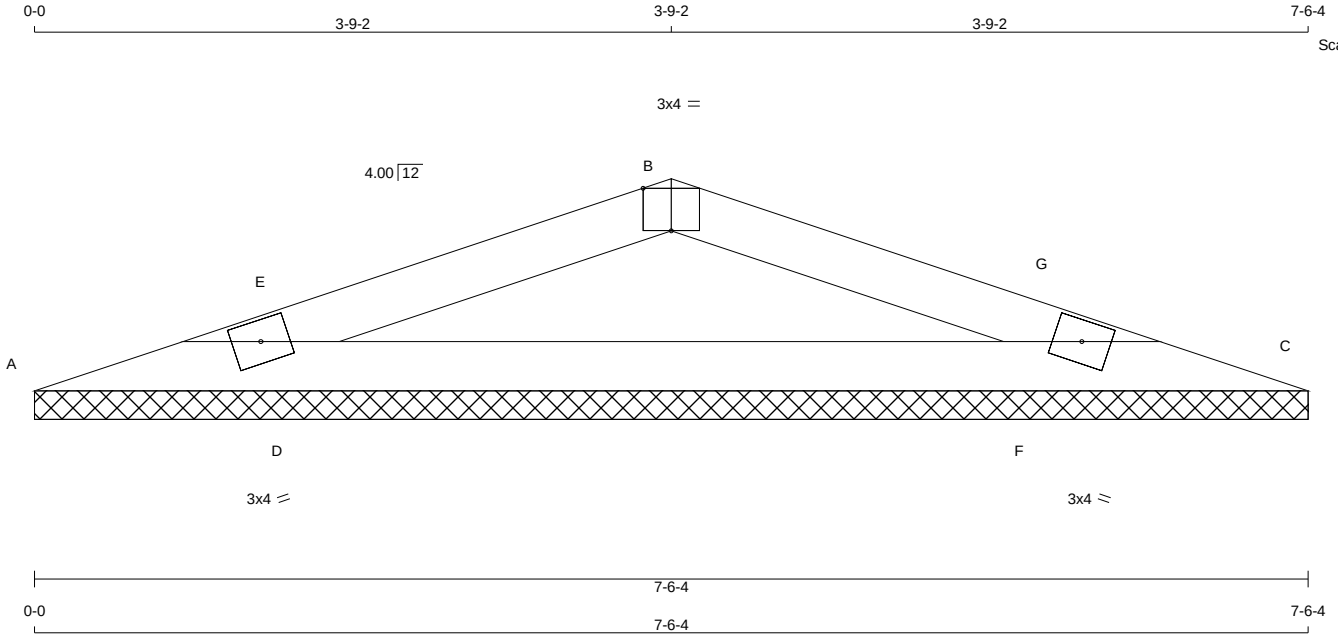

TOTAL WEIGHT = 16 lb

[M]

LUMBER

N. L. G. A. RULES

CHORDS	SIZE		LUMBER	DESCR.
A - B	2x4	DRY	1650F 1.5E	SPF
B - C	2x4	DRY	1650F 1.5E	SPF
A - C	2x4	DRY	1650F 1.5E	SPF

DRY: SEASONED LUMBER.

PLATES (table is in inches)

JT	TYPE	PLATES	W	LEN	Y	X
A	TBM1-h	MT20	3.0	4.0		
B	TT-p	MT20	3.0	4.0	Edge	2.00
C	TBM1-h	MT20	3.0	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 VERT	HORZ	MAXIMUM FACTORED GROSS REACTION DOWN	HORZ	UPLIFT	INPUT BRG IN-SX	REQRD BRG IN-SX
A	590	0	590	0	0	7-6-4	4-8
C	590	0	590	0	0	7-6-4	4-8

UNFACTORED REACTIONS

JT	1ST LCASE COMBINED	MAX./MIN. COMPONENT REACTIONS SNOW	LIVE	PERM.LIVE	WIND	DEAD	SOIL
A	408	318 / 0	0 / 0	0 / 0	0 / 0	90 / 0	0 / 0
C	408	318 / 0	0 / 0	0 / 0	0 / 0	90 / 0	0 / 0

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

BRACING

TOP CHORD TO BE SHEATHED OR MAX. PURLIN SPACING = 6.13 FT.
MAX. UNBRACED BOTTOM CHORD LENGTH = 10.00 FT OR RIGID CEILING DIRECTLY APPLIED.

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

LOADING

TOTAL LOAD CASES: (4)

CHORDS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	FACTORED VERT. LOAD (PLF) FROM	TO	LC	MAX CSI (LC)	MAX. UNBRAC LENGTH	WEBS MEMB. FR-TO	MAX. FACTORED FORCE (LBS)	MAX CSI (LC)
A- E	-1034 / 0	-139.4	-139.4	0.42	(1)	6.13	D- E	0 / 65	0.00 (1)
E- B	-954 / 0	-139.4	-139.4	0.42	(1)	6.25	F- G	0 / 65	0.00 (1)
B- G	-954 / 0	-139.4	-139.4	0.42	(1)	6.25			
G- C	-1034 / 0	-139.4	-139.4	0.42	(1)	6.13			
A- D	0 / 950	-17.5	-17.5	0.29	(1)	10.00			
D- F	0 / 955	-17.5	-17.5	0.34	(1)	10.00			
F- C	0 / 950	-17.5	-17.5	0.29	(1)	10.00			

DESIGN CRITERIA

SPECIFIED LOADS:

TOP CH.	LL	=	42.3	PSF
	DL	=	5.0	PSF
BOT CH.	LL	=	0.0	PSF
	DL	=	7.0	PSF
TOTAL LOAD		=	54.3	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 , ABC 2019
- PART 9 OF OBC 2012 (2019 AMENDMENT)
- CSA 086-14
- TPIC 2014

(55 % OF 73.1 P.S.F. G.S.L. PLUS 2.1 P.S.F. RAIN LOAD) EQUALS 42.3 P.S.F. SPECIFIED ROOF LIVE LOAD

CSI: TC=0.42/1.00 (B-E:1) , BC=0.34/1.00 (D-F:1) , WB=0.00/1.00 (D-E:1) , SSI=0.26/1.00 (A-E:1)

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) (PSI) MAX	MIN	SHEAR (PLI) MAX	MIN	SECTION (PLI) MAX	MIN
MT20	650	371	1747	788	1987	1873

PLATE PLACEMENT TOL. = 0.250 inches

PLATE ROTATION TOL. = 5.0 Deg.

JSI GRIP= 0.49 (A) (INPUT = 0.90)
JSI METAL= 0.39 (A) (INPUT = 1.00)

03/29/2020