

800 - 773 - 4911
 TEL: 207 - 453 - 4911
 FAX: 207 - 453 - 7652

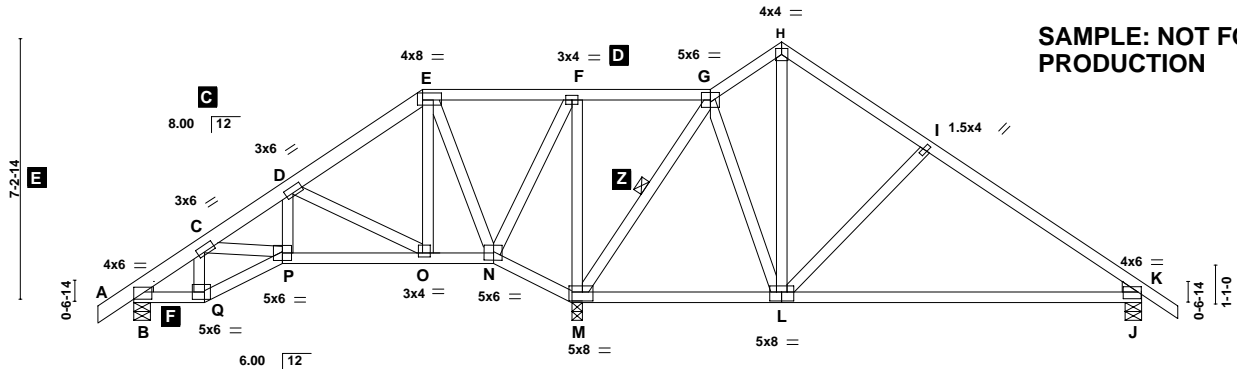
P.O. BOX 377
 FAIRFIELD, ME 04937

TYPICAL ROOF TRUSS ENGINEERING DRAWING

Job	Truss	Truss Type	Qty	Ply
SAMPLE	ROOF	ROOF TRUSS	1	1

MAINELY TRUSSES, FAIRFIELD, ME 04937

A	-1-0-0	1-9-12	4-3-4	8-0-4	12-3-12	16-0-4	18-0-0	21-11-12	28-0-0	29-0-0
B	1-0-0	1-9-12	2-5-8	3-9-0	4-3-8	3-8-8	1-11-12	3-11-12	6-0-4	1-0-0



**SAMPLE: NOT FOR
 PRODUCTION**

A	1-11-8	4-1-8	10-0-0	12-2-0	18-0-0	28-0-0	G
B	1-11-8	2-2-0	5-10-8	2-2-0	5-10-0	10-0-0	

Plate Offsets (X,Y): [B:0-4-12,0-0-14],[B:0-0-0,0-1-9],[E:0-6-4,0-2-4],[J:0-4-12,0-0-14],[J:0-0-0,0-1-9],[M:0-6-0,0-2-8],[Q:0-4-0,0-2-8]

L LOADING (psf)	TCLL 42.0	TCDL 7.0	BCLL 0.0	BCDL 10.0	J SPACING 2-0-0	K Plates Increase 1.15	L Lumber Increase 1.15	M Rep Stress Incr YES	N Code BOCA/ANSI95	O CSI TC 0.65	P BC 0.57	Q WB 0.69	R DEFLL (in) Vert(LL) -0.03	S (loc) P >999	T I/defl >637	U Horz(TL) -0.30	V J-L >637	W n/a	X 1st LC LL Min I/defl = 240	Y PLATES M20	Z GRIP 169/123	AA Weight: 125 lb
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L LUMBER
 TOP CHORD 2 X 4 SPF No.2
 BOT CHORD 2 X 4 SPF No.2
 WEBS 2 X 4 SPF-S Stud
 WEDGE Left: 2 X 4 SPF-S Stud, Right: 2 X 4 SPF-S Stud

Y BRACING
 TOP CHORD Sheathed or 6-0-0 on center purlin spacing.
 BOT CHORD Rigid ceiling directly applied or 6-0-0 on center bracing.
Z WEBS 1 Row at midpt G-M

U REACTIONS (lb/size)
 Max Horz B=589/0-5-8, M=2046/0-3-8, J=859/0-5-8
 Max Uplift B=130(load case 4), M=354(load case 4), J=204(load case 5)
 Max Grav B=636(load case 6), M=2046(load case 1), J=860(load case 7)

V FORCES (lb) - First Load Case Only
 TOP CHORD A-B=19, B-C=-575, C-D=-595, D-E=-14, E-F=278, F-G=493, G-H=-293, H-I=-284, I-J=-622, J-K=19
 BOT CHORD B-Q=432, P-Q=465, O-P=476, N-O=21, M-N=-577, L-M=90, J-L=503
 WEBS C-Q=-167, C-P=80, D-P=259, D-O=-523, E-O=298, F-N=523, F-M=861, G-M=-1029, H-L=16, I-L=-383, G-L=440

- W** NOTES
- This truss has been checked for unbalanced loading conditions.
 - This truss has been designed for the wind loads generated by 100 mph winds at 25 ft above ground level, using 5.0 psf top chord dead load and 5.0 psf bottom chord dead load, in the interior roof zone on an occupancy category II, condition I enclosed building, with exposure C ASCE 7-95 per BOCA/ANSI95 If end verticals or cantilevers exist, they are exposed to wind. If porches exist, they are not exposed to wind. The lumber DOL increase is 1.60, and the plate grip increase is 1.60
 - Provide adequate drainage to prevent water ponding.
 - All plates are M20 plates unless otherwise indicated.
 - Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 130 lb uplift at joint B, 354 lb uplift at joint M and 204 lb uplift at joint J.
 - This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard **X**

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| A Cumulative Dimensions | J Spacing O.C. (feet-inches-sixteenths) | S Reaction (pounds) |
| B Panel Length (feet-inches-sixteenths) | K Duration of Load for Plate and Lumber Design | T Minimum Bearing Required (inches) |
| C Slope | L Code | U Maximum Uplift and/or Horizontal Reaction |
| D Plate Size and Orientation | M Top Chord, Bottom Chord and Web: Maximum Combined Stress Indices. | V Member Axial Forces for Load Case 1 |
| E Overall Height | N Deflections (inches) and Span to Deflection Ratio | W Notes |
| F Bearing Location | O Input Span to Deflection Ratio | X Additional Loads/Load Case |
| G Truss Length (feet-inches-sixteenths) | P MiTek Plate Allowables (PSI) | Y Required Member Bracing |
| H Plate Offsets | Q Weight | Z Required Lateral Bracing |
| I Design Loading (PSF) | R Lumber Requirements | |

