MAINELY TRUSSES

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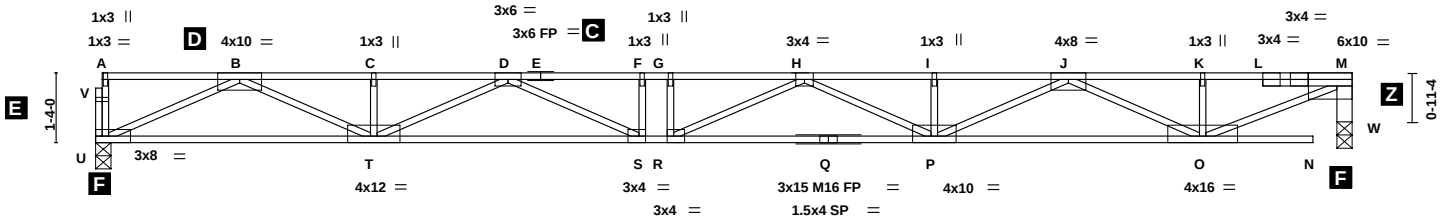
P.O. BOX 377
FAIRFIELD, ME 04937

TYPICAL FLOOR TRUSS ENGINEERING DRAWING

Job	Truss	Truss Type	Qty	Ply	
SAMPLE	FLOOR	FLOOR	1	1	

MAINELY TRUSSES, FAIRFIELD, ME 04937

SAMPLE: NOT FOR PRODUCTION



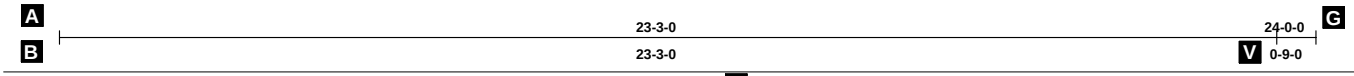


Plate Offsets (X,Y): [L:0-1-0,edge], [M:0-3-8,edge], [R:0-1-8,edge], [S:0-1-8,edge] **H**

LOADING	(psf)
TCLL	40.0
TCDL **I**	10.0
BCLL	0.0
BCDL	5.0

SPACING	2-0-0 **J**
Plates Increase	1.00
Lumber Increase	1.00 **K**
Rep Stress Incr	YES
Code	BOCA/ANSI95 **L**

M CSI
TC 0.74
BC 0.88
WB 0.87
(Matrix)

N **O**

DEFL	(in)	(loc)	l/defl
Vert(LL)	-0.76	P-R	>375
Vert(TL)	-1.07	P-R	>267
Horz(TL)	0.01	W	n/a

1st LC LL Min l/defl = 360

P **Y**

PLATES	GRIP
M20	169/123
M16	127/82

Weight: 90 lb

Q LUMBER
TOP CHORD 4 X 2 SPF-S 2100F 1.8E
BOT CHORD 4 X 2 SPF-S 2100F 1.8E
WEBS 4 X 2 SPF-S Stud *Except*
W5 4 X 2 SPF No.2, W1 4 X 2 SPF No.2, W1 4 X 2 SPF No.2
OTHERS 4 X 4 HF No.2

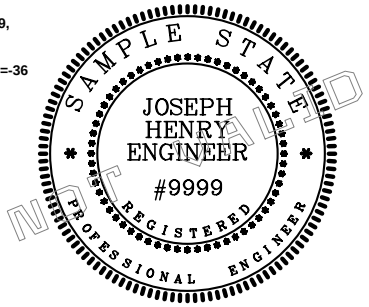
U BRACING
TOP CHORD Sheathed or 5-4-7 on center purlin spacing, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 on center bracing, Except:
6-0-0 on center bracing: N-O.

R **S** REACTIONS (lb/size) U=1299/0-3-8, W=1299/0-3-8

T FORCES (lb) - First Load Case Only
TOP CHORD U-V=-104, A-V=-104, A-B=-5, B-C=-4425, C-D=-4425, D-E=-6348, E-F=-6348, F-G=-6348, G-H=-6348, H-I=-5704, I-J=-5704, J-K=-2639, K-L=-2639, L-M=-2643, M-W=-1299
BOT CHORD T-U=2551, S-T=5653, R-S=6348, Q-R=6323, P-Q=6323, O-P=4452, N-O=0
WEBS M-O=2865, B-U=-2802, K-O=-212, B-T=2072, J-O=-2005, C-T=-250, J-P=1384, D-T=-1358, I-P=-246, D-S=768, H-P=-684, F-S=-251, H-R=27, G-R=-36

W NOTES
1) This truss has been checked for unbalanced loading conditions.
Recommend 2x6 strongbacks, on edge, spaced at 10-0-0 on center and fastened to each truss with 3-16d nails. Strongbacks to be attached to walls at their outer ends or restrained by other means.
3) CAUTION, Do not erect truss backwards.
All plates are M20 plates unless otherwise indicated.
5) Bearing at joint(s) W considers parallel to grain value using ANSI/TPI 1-1995 angle to grain formula. Building designer should verify capacity of bearing surface.
6) This truss has been designed with ANSI/TPI 1-1995 criteria.

LOAD CASE(S) Standard **X**



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