| Job | Truss | Truss Type | Qty | Ply | SANYAL BOATS/ MOD: B | 0030 |
|---|---|---|---|---|---|---|
| 5A09 | V2-0 | ROOF TRUSS | 4 | 1 | Job Reference (optional) | |

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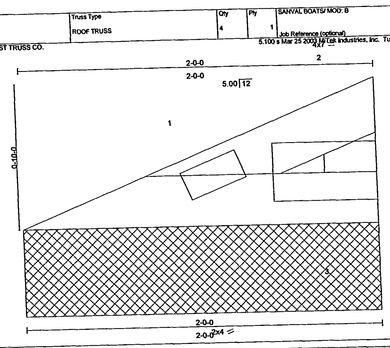
BEST TRUSS CO., MIAMI, FL., BEST TRUSS CO.




Scale = 1:5.1

Plate Offsets (X,Y): [2:0-0-0,0-4-10]

| LOADING (psf) | SPACING 2-0-0 | CSI | DEFL in (loc) l/defl L/d | PLATES GRIP |
|---|---|---|---|---|
| TCLL 30.0 | Plates Increase 1.33 | TC 0.01 | Vert(LL) n/a - n/a 999 | MI20 249/190 |
| TCDL 10.0 | Lumber Increase 1.33 | BC 0.00 | Vert(TL) n/a - n/a 999 | |
| BCLL 0.0 | Rep Stress Incr YES | WB 0.00 | Horz(TL) 0.00 - n/a n/a | Weight: 5 lb |
| BCDL 10.0 | Code FBC2001/ANSI/95 | (Simplified) | | |

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 4 SYP No.2
WEBS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 2-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=47/2-0-0, 3=47/2-0-0
Max Horz 1=42(load case 2)
Max Uplift1=-18(load case 2), 3=-42(load case 2)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=0, 2-3=-38
BOT CHORD 1-3=0

NOTES
1) Wind: ASCE 7-98; 145mph; h=20ft; TCDL=5.0psf; BCDL=5.0psf; Category II; Exp C; enclosed;C-C Interior zone;Lumber DOL=1.33 plate grip DOL=1.33.
2) Gable requires continuous bottom chord bearing.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 18 lb uplift at joint 1 and 42 lb uplift at joint 3.
4) This truss design conforms with Florida Building Code 2001, based on parameters indicated.

LOAD CASE(S)
1) Regular: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-2=-90.0, 1-3=-20.0
2) C-C Wind: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-2=-90.1, 1-3=-10.0
Horz: 1-2=-90.1

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