Job	Truss	Truss Type	Qty	Ply	SANVAL BOATS/MOD: B	0021
5A06	J5	ROOF TRUSS	8	1	Job Reference (optional)	

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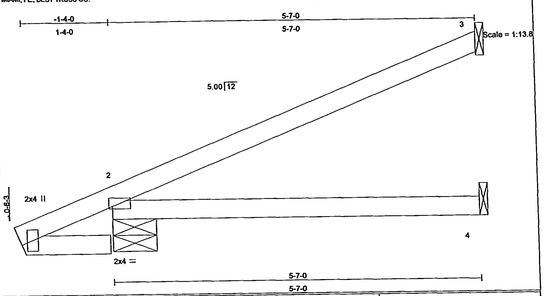
BEST TRUSS CO., MIAMI, FL, BEST TRUSS CO.



LOADING (psf)	SPACING 2-0-0	CSI	DEFL in (loc) l/def Ldl	PLATES GRIP
TCLL 30.0	Plates Increase 1.33	TC 0.50	Vert(LL) n/a - n/a 999	MT20 249/190
TCDL 15.0	Lumber Increase 1.33	BC 0.11	Vert(TL) 0.00 1 >249 180	
BCLL 0.0	Rep Stress Incr YES	WB 0.00	Horz(TL) -0.00 3 n/a n/a	Weight: 22 lb
BCDL 10.0	Code FBC2001/ANSI/95	(Matrix)		

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

BRACING
TOP CHORD Sheathed or 5-7-0 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 3=205/Mechanical, 2=474/0-8-0, 4=52/Mechanical
Max Horz 2=256(load case 2)
Max Uplift3=-205(load case 2), 2=-493(load case 2)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=35, 2-3=69
BOT CHORD 2-4=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) Refer to girder(s) for truss to truss connections.
3) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 205 lb uplift at joint 3 and 493 lb uplift at joint 2.
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: 1-3=-20.0, 2-4=-20.0
2) C-C Wind: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-2=173.8, 2-3=79.7, 2-4=-10.0
Horz: 1-2=-183.0, 2-3=-89.7

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