Job	Truss	Truss Type	Qty	Ply	SANVAL BOATS/MOD. B	0033
5A08	V5-O	ROOF TRUSS	4	1	Job Reference (optional)	

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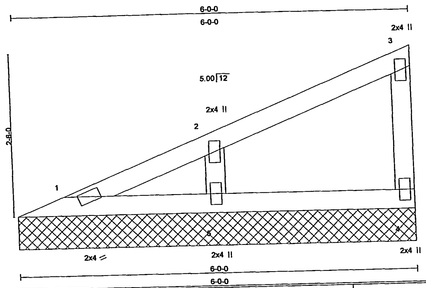
BEST TRUSS CO., MIAMI, FL., BEST TRUSS CO.



LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/def	Ltd	PLATES	GRIP
TCLL	30.0	Plates Increase	1.33	TC	0.14	Vert(LL)	n/a	-	n/a	999	MI20	249/190
TCDL	15.0	Lumber Increase	1.33	BC	0.03	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		
BCDL	10.0	Code FBC2001/ANSI95		(Matrix)							Weight: 21 lb	

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

BRACING
TOP CHORD Sheathed or 6-0-0 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 1=84/6-0-0, 4=124/6-0-0, 5=355/6-0-0
Max Horz 1=191(load case 2)
Max Uplift=-95(load case 2), 5=-274(load case 2)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=52, 2-3=29, 3-4=-102
BOT CHORD 1-5=0, 4-5=0
WEBS 2-5=-291

NOTES
1) Wind: ASCE 7-98; 146mph; 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 95 lb uplift at joint 4 and 274 lb uplift at joint 5.
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=-90.0, 1-4=-20.0
2) C-C Wind: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-3=79.5, 1-4=-10.0
Horz: 1-3=-80.5

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