Job	Truss	Truss Type	Qty	Ply	SANYAL BOATS/MOD. B	0023
SA08	J05	ROOF TRUSS	24	1	Job Reference (optional)	

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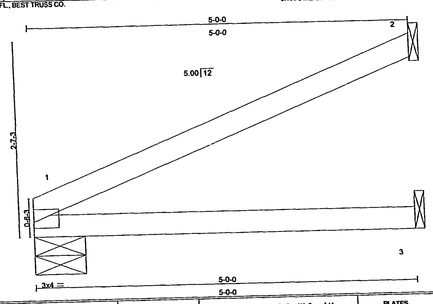
BEST TRUSS CO., MIAMI, FL., BEST TRUSS CO.



LOADING (psf)		SPACING	2-0-0	CSI		DEFL.	in	(loc)	l/def	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.33	TC	0.47	Vert(LL)	n/a	-	n/a	999	MT20	249/190
TCDL	15.0	Lumber Increase	1.33	BC	0.09	Vert(TL)	-0.02	1-3	>999	180		
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(TL)	-0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2001/ANSI95		(Matrix)							Weight: 16 lb	

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

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

REACTIONS (lb/size) 1=253/0-8-0, 2=207/Mechanical, 3=45/Mechanical
Max Horz 1=204(load case 2)
Max Uplift1=-111(load case 2), 2=-235(load case 2)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=73
BOT CHORD 1-3=0

NOTES
1) Wind: ASCE 7-98; 140mph; 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 111 lb uplift at joint 1 and 235 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 (psf)
Vert: 1-2=-90.0, 1-3=-20.0
2) C-C Wind: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (psf)
Vert: 1-2=90.1, 1-3=-10.0
Horz: 1-2=-90.1

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