Job	Truss	Truss Type	Qty	Ply	SANWAL BOATS/ MOD: B	0001
SA06	CJ7	ROOF TRUSS	8	1	Job Reference (optional)	

5.100 s Mar 23 2003 MiTek Industries, Inc. Tue Jan 11 10:50:00 2005 Page 1

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

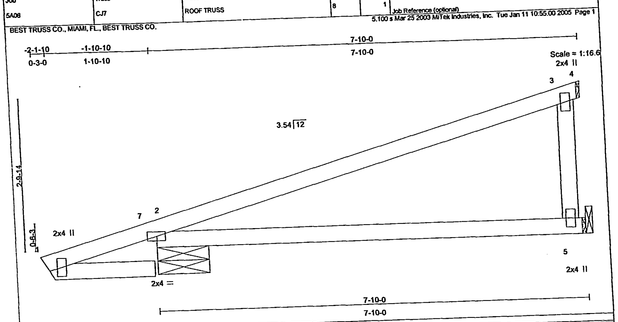

Plate Offsets (X,Y): [2:0-1-14,0-1-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/def	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.33	TC	0.99	Vert(LL)	n/a	-	n/a	999	MI20	249/190
TCDL	15.0	Lumber Increase	1.33	BC	0.81	Vert(TL)	0.28	1	>102	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.13	Horz(TL)	0.00		n/a	n/a	Weight: 33 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
WEBS 2 X 4 SYP No.3
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed or 1-4-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=495/0-11-5, 5=528/Mechanical
Max Horz 2=2550(load case 2)
Max Uplift2=-560(load case 2), 5=-375(load case 2)

FORCES (lb) - First Load Case Only
TOP CHORD 1-7=30, 2-7=30, 2-3=96, 3-4=-13
BOT CHORD 2-5=0
WEBS 3-5=-432

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) Refer to girder(s) for truss to truss connections.
2) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 500 lb uplift at joint 2 and 375 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: 1-7=-90.0
Trapezoidal Loads (plf)
Vert: 7=-0.0-to-4=-178.2, 2=-1.7-to-5=-39.1
2) C-C Wind: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-7=172.6
Horz: 1-7=-183.6
Trapezoidal Loads (plf)
Vert: 7=88.5-to-2=95.5, 2=-0.5-to-3=153.3, 3=249.4-to-4=255.1, 2=-0.9-to-5=-19.6
Horz: 7=-88.5-to-2=-98.4, 2=-0.3-to-3=-172.2, 3=-258.3-to-4=-274.7

4