Job	Truss	Truss Type	Qty	Ply	SANYAL BOATS/ MOD. B	0010
5A08	H3A	ROOF TRUSS	4	1	Job Reference (optional)	

5.100 s Mar 23 2003 MiTek Industries, Inc. Tue Jan 11 10:55:07 2005 Page 1

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

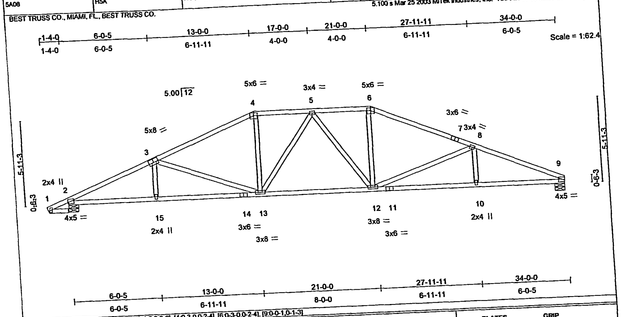

Plate Offsets (X,Y): [2:0-3-0,0-2-0], [3:0-4-0,0-3-8], [4:0-3-0,0-2-4], [6:0-3-0,0-2-4], [8:0-4-0,0-3-8], [9:0-0-1,0-1-3]

LOADING (psf)		SPACING 2-0-0	CSI		DEFL.	in	(loc)	l/def	Ltd	PLATES	GRIP
TCLL	30.0	Plates Increase 1.33	TC	0.98	Vert(LL)	0.36	13	>999	360	MT20	249/190
TCDL	15.0	Lumber Increase 1.33	BC	0.79	Vert(TL)	-0.43	12-13	>829	180		
BCLL	0.0	Rep Stress Incr YES	WB	0.75	Horz(TL)	0.15	9	n/a	n/a	Weight: 173 lb	
BCDL	10.0	Code FBC2001/ANSI95	(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
OTHERS 2 X 4 SYP No.3

BRACING
TOP CHORD Sheathed.
BOT CHORD Rigid ceiling directly applied or 4-6-8 oc bracing.

REACTIONS (lb/size) 2=1994/0-8-0, 9=1833/0-8-0
Max Horz 2=720(load case 2)
Max Uplift2=-1370(load case 2), 9=-1053(load case 2)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=17, 2-3=-3527, 3-4=-2760, 4-5=-2562, 5-6=-2562, 6-7=-2760, 7-8=-2760, 8-9=-3523
BOT CHORD 2-15=3181, 14-15=3185, 13-14=3185, 12-13=2682, 11-12=3179, 10-11=3179, 9-10=3179
WEBS 3-15=128, 3-13=-680, 4-13=502, 5-13=-213, 5-12=-213, 6-12=506, 8-12=-676, 8-10=-128

NOTES
1) Unbalanced roof live loads have been considered for this design.
2) 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.
3) Provide adequate drainage to prevent water ponding.
4) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 1373 lb uplift at joint 2 and 1053 lb uplift at joint 9.
5) 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: 1-4=-90.0, 4-6=-90.0, 6-9=-90.0, 2-9=-20.0
2) C-C Wind: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-2=-173.8, 2-4=71.8, 4-6=80.1, 6-9=71.8, 2-9=-10.0
Horz: 1-2=-183.8, 2-4=-81.8, 6-9=81.8
Drag: 4-5=-0.1, 5-6=0.1
3) 1st unbalanced Regular: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-4=-90.0, 4-6=-90.0, 6-9=-30.0, 2-9=-30.0
4) 2nd unbalanced Regular: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-4=-30.0, 4-6=-30.0, 6-9=-90.0, 2-9=-20.0

4