Job	Truss	Truss Type	Qty	Ply	SANYAL BOATS/ MOD: B	0002
SA06	CJ7A	ROOF TRUSS	8	1	Job Reference (optional)	

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

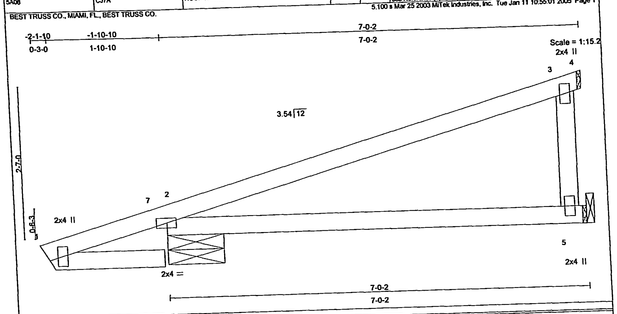

Plate Offsets (X,Y): [2:0-1-14,0-1-2]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	In	(loc)	l/def	L/d	PLATES	GRP
TCLL	30.0	Plates Increase	1.33	TC	0.99	Vert(LL)	n/a	-	n/a	999	MT20	249/190
TCDL	15.0	Lumber Increase	1.33	BC	0.58	Vert(TL)	0.30	1	>99	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.10	Horz(TL)	0.00		n/a	n/a		
BCDL	10.0	Code FBC2001/ANSI/95		(Matrix)							Weight: 30 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 1-4-12 oc purlins.
BOT CHORD Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS (lb/size) 2=444/0-11-5, 5=412/Mechanical
Max Horz 2=257(load case 3)
Max Uplift2=-544(load case 2), 5=-286(load case 2)

FORCES (lb) - First Load Case Only
TOP CHORD 1-7=30, 2-7=30, 2-3=65, 3-4=-12
BOT CHORD 2-5=0
WEBS 3-5=-335

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 544 lb uplift at joint 2 and 286 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=-92.0
Trapezoidal Loads (plf)
Vert: 7=-0.0-to-4=-157.8, 2=-1.7-to-5=-35.1
2) D.C.Wind: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-7=173.6
Horz: 1-7=-183.6
Trapezoidal Loads (plf)
Vert: 7=87.8-to-2=94.7, 2=-0.5-to-3=137.3, 3=232.6-to-4=228.3, 2=-0.9-to-5=-17.5
Horz: 7=-87.8-to-2=-95.6, 2=-0.3-to-3=-154.2, 3=-249.4-to-4=-255.9

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