Job	Truss	Truss Type	Qty	Ply	SANYAL BOATS/ MOD: B 0004
0408	GR1	ROOF TRUSS	4	1	Job Reference (optional)

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

Scale = 1:17.5

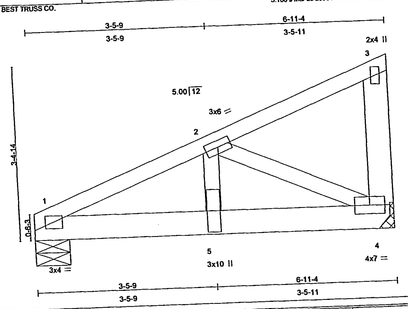

Plate Offsets (X,Y): [1:0-2-8,0-0-8]

LOADING (psf)		SPACING	2-0-0	CSI		DEFL	in	(loc)	l/def	L/d	PLATES	GRIP
TCLL	30.0	Plates Increase	1.33	TC	0.40	Vert(LL)	0.04	5	>999	360	MT20	249/190
TCDL	15.0	Lumber Increase	1.33	BC	0.93	Vert(TL)	-0.05	5	>999	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.58	Horz(TL)	0.01	4	n/a	n/a	Weight: 40 lb	
BCDL	10.0	Code FBC2001/ANSI95		(Simplified)								

LUMBER
TOP CHORD 2 X 4 SYP No.2
BOT CHORD 2 X 6 SYP No.2
WEBS 2 X 4 SYP No.3 "Except"
3-4 2 X 6 SYP No.2

BRACING
TOP CHORD Sheathed or 3-10-8 oc purlins, except end verticals.
BOT CHORD Rigid ceiling directly applied or 6-0-14 oc bracing.

REACTIONS (lb/size) 1=2165/0-8-0, 4=2165/Mechanical
Max Horz 1=2550(load case 3)
Max Uplift1=1204(load case 2), 4=-1323(load case 2)

FORCES (lb) - First Load Case Only
TOP CHORD 1-2=-2458, 2-3=0, 3-4=-146
BOT CHORD 1-5=2195, 4-5=2195
WEBS 2-5=1879, 2-4=-2439

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 1204 lb uplift at joint 1 and 1323 lb uplift at joint 4.
4) This truss design conforms with Florida Building Code 2001, based on parameters indicated.
5) Girder carries tie-in span(s): 22-10-0 from 0-0-0 to 7-0-0

LOAD CASE(S)
1) Regular: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-3=-90.0, 1-4=-589.5
2) C-C Wind: Lumber Increase=1.33, Plate Increase=1.33
Uniform Loads (plf)
Vert: 1-3=78.4, 1-4=317.9
Horz: 1-3=-88.4

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