



Project: WEST MIAMI SIX MODEL B
01/24/05 17:07:29

Mark: J01

FORCES IN MEMBERS (Cont.) (kips)								
REQUIRED MATERIAL				REQUIRED WELD				
No.	Tension	Compress.	x = tied at mid-length	Stand.	Util.	Length	Eff. Throat-Ea. Side	Remarks
7.1	0.00	-0.61	RD 11/16 (44)	z 74	0.08	1'-4"	.193	0 3/4"
----- VIBRATION (ALLEN-MURRAY) -----								
Full height partition between floor								= (.53 x 4/0)
Full height partition on all the surface								= (.53 x 4/0)
Without partition								= (.31 x 4/0)
Frequency								= 2.93 Hz.

VIBRATION (ALLEN-MURRAY)

Full height partition between floor = (53 & a/g)
Demontable partition on all the surface = (1.31 & a/g)
Without partition = (1.31 & a/g)
Frequency = 3.93 Hz

BRIDGING

Maximum spacing between rows of bridging
@ Top Chord: Roll Bars spaced at 21" C/C (513 mm).
@ Bottom Chord: ==> Laterals supports

POSITION

@ Bottom Chord

10'-8 1/2"
16'-8 1/2"
22'-8 1/2"

VP.6.3.1

Shop 1/2 stress increase for wind : No
Fabrication code unless noted
-Ea = 2 angles short legs back to back, RE = 2 angles welded in box, BR = Round bar
-U = 1 U profile, UN = 2 U profiles one inside the other, -Ch = Crimped angle
The welding procedure number is calculated according to non continuous joints.
It is suitable for continuous joints.

Project no.: H4183-SV1 Designer: Lois Avramides Shop: Jacksonville (sales) Material Sort: Weight
326 (232.81) / 339 (237.87) Area to Paint: 56.22 sq2