



Mark: J04
Project: WEST MIAMI SIX MODEL B
01/25/03 08:30:14

FORCES IN MEMBERS (Cont.) [kips]							
REQUIRED MATERIAL			Slend.	Util.	Length	REQUIRED WELD Ref. Throat-Ex. Side	Remarks
x = tied at mid-length							
No Tension	Compres.						
Secondary Web Member							
7.1	0.00	-0.75	RD 3/4 (48)	± 72	0.08	1'-4 3/8"	.200 - 0 3/4"
7.2	0.00	-0.77	RD 3/4 (48)	± 72	0.09	1'-4 3/8"	.200 - 0 3/4"
VIBRATION (ALLEN-MORRIS)							
- Full height partition between floor = (.24 ± a/g)							
- Diaphragm partition on floor surface = (.41 ± a/g)							
- Diaphragm partition on roof surface = (.49 ± a/g)							
- Frequency = 8.96 HZ.							

VIBRATION (ALLEN-MURRAY)

- Full height partition between floor = (.24 % a/g)
- Demontable partition on all the surface = (.41 % a/g)
- Without partition = (.61 % a/g)
- Frequency = 0.96 Hz.

BRIDGING

Maximum spacing between rows of bridging
@ Top Chord: Roll Bars spaced at 21" C/C (533 mm). Laterals supports
@ Bottom Chord: ==> 0 Row(s) Minimum

V3.6.3.1.1

Keep 1/3 stress increase for wind : No
Fabrication code unless noted
-Lx = 2 angles short legs back to back. Rx = 2 angles welded in box. RR = Round bar
-Lx = 2 angles short legs back to back. Ry = 2 U profiles one inside the other. -Cx = Crimped angle
The welding length of web members is calculated according to non continuous joints.
It is shorter for continuous joints.

CONCENTRATED LOADS (*) indicates that the conc. load is not directly on the panel point.)
Side: Near Side, 1 = Left Extension, 2 = Right Extension
Side: Both Sides, Near Side, Far Side Hole: Top Chord with holes at Conc. Loads
Definition of the categories (Cst.): 0 @ 6:
0 = transferred by an additional member 1 = within a panel with no reinforcement
1 = anywhere along the panel 3 = at any panel point along the joint
2 = anywhere along the panel 5 = transferred by an additional member and lateral support
4 = anywhere along the joint

6 = within a panel with no reinforcement and lateral support

Chord: 1 = Top, 2 = Bottom Composite (Csp): 0 = standard, 1 = non-composite

Inclination (Incl.): 90 = Vertical, 0 = Horizontal

Projects no.: H4183-521 Designer: Loir Avramides Shop: Jacksonville [sales] Material Sort: Weight

126 (102.81) / 137 (107.38) Area to Paint: 24.23 sq2