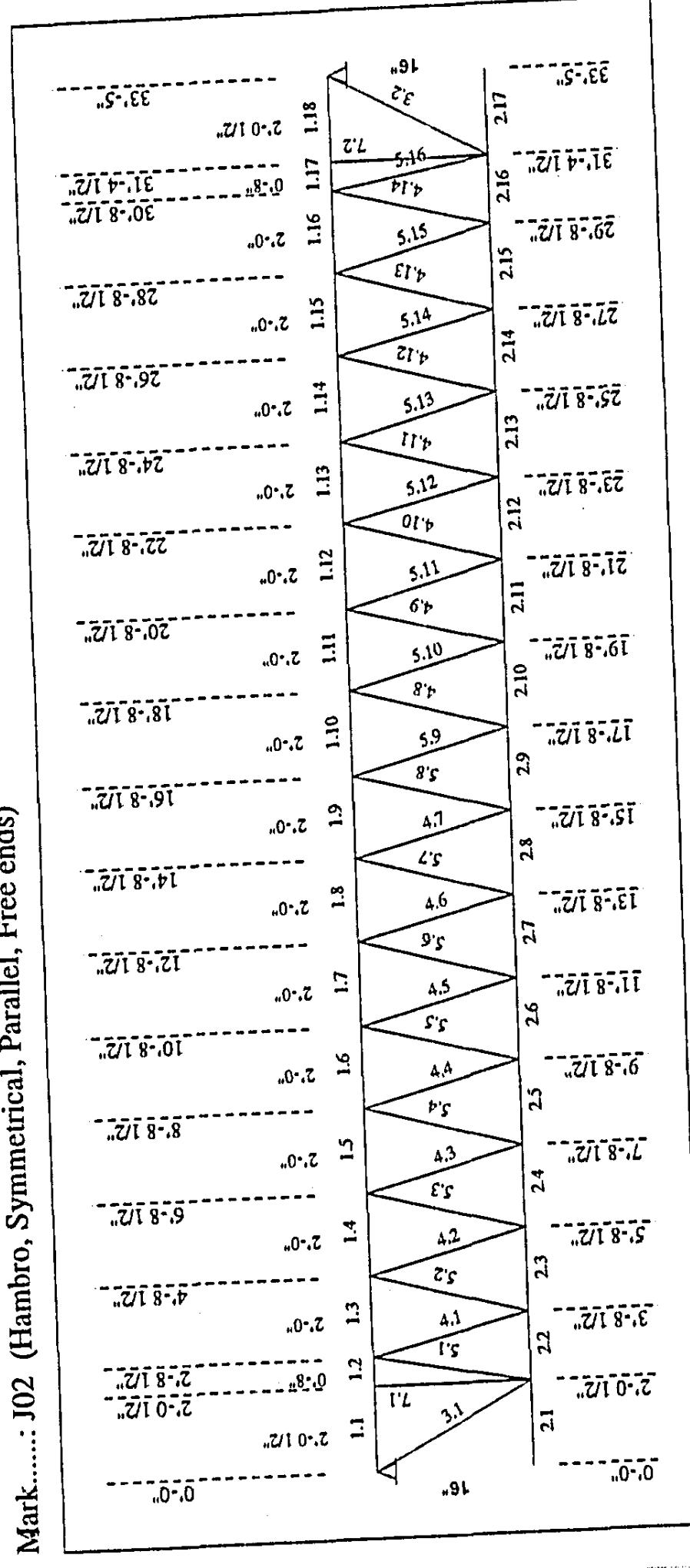




Mark: J02
Project: WEST MIAMI SIX MODEL B
01/24/05 17/07/29

Project: WEST MIAMI SIX MODEL B
JOIST CALCULATION ACCORDING TO HAMBRO SPECIFICATIONS

Mark: J02 (Hambro, Symmetrical, Parallel, Free ends)



LOADING CONDITIONS
(THE SHOWN VALUES ARE REAL)

TOTAL LOAD: 430.84 lb/ft
105.00 lb/ft-2 x 4'-1 1/4" **H16 LIVE LOAD ...: 164.17 lb/ft 40.00 lb/ft-2 x 4'-1 1/4"

CONCENTRATED LOADS

No	Sp	Hole	Total Load	Live Load	Net uplift	Position	Spacing	Cat.	Chord	Incl.	Cmp
1	1	Both	No	[Kips]	[Kips]	[ft]	12'-2 1/2"	0	1	1/2	90
2	1	Both	No	0.60	0.00	12'-2 1/2"	12'-2 1/2"	0	1	1/2	90
2	1	Both	No	0.90	0.00	12'-2 1/2"	12'-2 1/2"	0	1	1/2	90

HAMBRO

Total Thickness of the Slab.: 3.00 in
Perimeter Joist: N
Length of the Extension of the Slab.: 0.00 in
Concrete Compressive Strength (f'c): 145.00 lb/in²
Concrete Tensile Strength (f't): 436.18 in⁴
Composite Inertia: N/A
Composite Maximum Capacity: 0.00 PLF PSF
Non-Composite Maximum Capacity: 255.35 lb/in
Non-Composite Maximum Capacity: 255.35 lb/in
Utilization of the Slab: 0.206
Utilization of the Slab: N
Presence of high-chair: **
Type of Hambro (presence of reinforcing): **