COLUMNA Nº	TRAMO	hp m	ANALISIS DE CARGAS VIGA Nº REACCION DE APOYO t	PARCIAL TRAMO t	PARCIAL TR.SUP. t	TOTAL P t	DIMENSIONES Fb d1 cm	d2 cm	SEC. cm²	CAM	Re ø mm	SEC. cm²	ESTR. ø mm	SEP. cm	PANDEO hp d1	ω	ωP t	Fb kg/cm²	OBSERVACION
				S/PISO 15°															
1				4.3		4.3	30	13	390	6	12	6.79	6	14					=4
2				6.6		6.6	13	30	390	6	12	6.79	6	14					=3
5				8.7		8.7	13	40	520	6	12	6.79	6	13					=8,9,12
6				15.8		15.8	33	20	660	4	16	8.04	6	16					=7
10				4.0		4.0	25	25	625	4	16	8.04	6	19					
17		0.90		3.8		3.8	13	20	260	4	12	4.52	6	13					
18		0.90		6.6		6.6	13	20	260	4	12	4.52	6	13					
				PISO SALA MAQUINAS															
19		0.90		9.5		9.5	18	18	324	4	12	4.52	6	14					
20		0.9		15.8		15.8	18	18	324	4	12	4.52	6	14					
22				10.2		10.2	18	18	324	4	12	4.52	6	14					
23				6.5		6.5	18	18	324	4	12	4.52	6	14					
24				15.1		15.1	18	18	324	4	12	4.52	6	14					
25				5.7		5.7	18	18	324	4	12	4.52	6	14					
30				10.2		10.2	18	18	324	4	12	4.52	6	14					
				S/PISO 14°															
1			5.0	4.3		9.3	30	13	390	6	14	9.24	6	13	20.2	1.1	10.3		=4
2			8.8	6.6		15.4	13	30	390	6	14	9.24	6	13	20.2	1.1	17.0		=3
5			12.7	8.7		21.4	13	40	520	6	14	9.24	6	13	20.2	1.1	23.5		=8,9,12
6			20.9	15.8		36.7	33	25	825	4	16	8.04	6	19					=10
7			50.5			50.5	33	33	1089	4	16	8.04	6	19					=11
26			14.2			14.2	25	25	625	4	20	12.6	6	24					=27
				S/PISO 13															
1			5.0	9.3		14.3	30	13	390	6	14	9.24	6	13	20.0	1.1	15.7		=4
2			8.8	15.4		24.2	20	30	600	6	12	6.79	6	14					=3
5			11.6	21.4		33.0	18	50	900	6	14	9.24	6	13					=8,9,12
6			17.4	36.7		54.1	33	33	1089	4	20	12.6	6	14					=7,10,11
28			20.3			20.3	25	25	625	4	20	12.6	6	24					=29
				S/PISO 12°															
1			5.0	14.3		19.3	30	13	390	6	14	9.24	6	13	20.0	1.1	21.3		=4
2			8.8	24.2		33.0	20	30	600	4	16	6.16	6	16					=3
5			11.6	33.0		44.6	20	50	1000	6	14	9.24	6	16					=8,9,12
6			17.4	54.1		71.5	33	40	1320	8	14	12.32	6	16					=7,10,11
13			28.6			28.6	35	35	1225	6	18	15.26	6	22					=16
				S/PISO 11°															
1			4.2	19.3		23.5	20	25	500	4	14	6.16	6	16					=4
2			8.0	33.0		41.0	20	30	600	4	14	6.16	6	16					=3
5			11.5	44.6		56.1	20	55	1100	6	14	9.24	6	16					=8,9,12
6			16.1	71.5		87.6	33	55	1815	6	14	9.24	6	16					=7,10,11
13			12.0	28.6		40.6	35	35	1225	6	18	15.26	6	22					=16
				S/PISO 10°															
1			4.5	23.5		28.5	20	25	500	4	14	6.16	6	16					=4
2			9.9	41.0		50.9	20	35	700	4	14	6.16	6	16					=3
5			11.6	56.1		68.8	20	60	1200	6	14	9.24	6	16					=8,9,12
6			17.4	87.6		105.0	33	60	1980	6	14	9.24	6	16					=7,10,11
13			13.6	40.6		54.1	35	35	1225	6	18	15.26	6	22					=16
				S/PISO 9°															
1			6.0	28.5		33.5	20	25	500	4	14	6.16	6	16					=4
2			8.8	50.9		59.7	20	35	700	4	16	8.04	6	19					=3
5			12.7	68.8		81.5	20	60	1200	6	14	9.24	6	16					=8,9,12
6			17.4	105.0		122.4	33	60	1980	6	16	12.06	6	19					=7,10,11
13			13.6	54.1		67.8	35	35	1225	6	18	15.26	6	22					=16
				S/PISO 8°															
1			6.0	33.5		38.5	20	30	600	4	14	6.16	6	16					=4
2			8.8	59.7		68.5	20	40	800	4	16	8.04	6	19					=3
5			12.7	81.5		94.2	22	60	1320	6	14	9.24	6	16					=8,9,12
6			17.4	122.4		139.8	33	60	1980	6	18	15.26	6	22					=7,10,11
13			13.6	67.8		81.4	35	40	1400	6	18	15.26	6	22					=16
				S/PISO 7°															
1			6.0	38.5		43.5	20	30	600	4	16	8.04	6	19					=4
2			8.8	68.5		77.3	20	45	900	4	16	8.04	6	19					=3
5			12.7	94.2		106.9	22	65	1430	6	16	12.06	6	19					=8,9,12
6			17.4	139.8		157.2	33	65	2145	6	18	15.26	6	22					=7,10,11
13			13.6	81.4		95.0	35	40	1400	6	18	15.26	6	22					=16
				S/PISO 6°															
1			5.0	43.5		48.5	20	35	700	4	16	8.04	6	19					=4
2			8.8	77.3		86.1	20	50	1000	6	14	6.79	6	16					=3

COLUMNA Nº	TRAMO	hp m	ANALISIS DE CARGAS VIGA Nº REACCION DE APOYO t	PARCIAL TRAMO t	PARCIAL TR.SUP. t	TOTAL P t	DIMENSIONES Fb d1 cm	d2 cm	SEC. cm²	CAM	Re ø mm	SEC. cm²	ESTR. ø mm	SEP. cm	PANDEO hp d1	ω	ωP t	Fb kg/cm²	OBSERVACION
5				12.7	106.9	119.6	22	65	1430	6	18	15.26	6	22					=8,9,12
6				17.4	157.2	174.6	33	65	2145	6	20	18.84	6	24					=7,10,11
13				13.6	95.0	108.6	35	45	1575	6	18	15.26	6	22					=16
					S/PISO 5°														
1				5.0	48.5	53.5	20	40	800	4	16	8.04	6	19					=4
2				8.8	86.1	94.9	20	50	1000	6	14	9.24	6	16					=3
5				12.7	119.6	132.3	25	70	1750	8	16	16.08	6	19					=8,9,12
6				17.4	174.6	192.0	33	70	2310	8	18	20.36	6	22					=7,10,11
13				13.6	108.6	122.2	35	50	1750	6	20	18.84	6	24					=16
					S/PISO 4°														
1				5.0	53.5	58.5	22	40	880	6	14	9.24	6	16					=4
2				8.8	94.9	103.7	22	50	1100	6	16	12.06	6	19					=3
5				12.7	132.3	145.0	27	70	1890	8	16	16.08	6	19					=8,9,12
6				17.4	192.0	209.4	33	70	2310	8	25	29.32	6	30					=7,10,11
13				13.6	122.0	135.8	35	55	1925	8	18	20.36	6	22					=16
					S/PISO 3°														
1				5.0	58.5	63.5	22	45	990	6	14	9.24	6	16					=4
2				8.8	103.7	112.5	22	55	1210	6	16	12.06	6	19					=3
5				12.7	145.0	157.7	30	70	2100	8	16	16.08	6	19					=8,9,12
6				17.4	209.4	226.4	33	70	2310	12	25	58.90	6	30					=7,10,11
13				13.6	135.8	149.4	35	60	2100	8	18	20.36	6	22					=16
					S/PISO 2°														
1				5.0	63.5	68.5	22	50	1100	6	14	9.24	6	16					=4
2				8.8	112.5	121.3	22	60	1320	6	16	12.06	6	19					=3
5				12.7	157.7	170.4	33	70	2310	8	16	16.08	6	19					=8,9,12
6				17.4	226.4	243.2	33	70	2310	14	25	68.74	6	30					=7,10,11
13				13.6	149.4	163.0	35	65	2275	8	18	20.36	6	22					=16
					S/PISO 1°														
1				5.0	68.5	73.5	22	55	1210	6	16	12.06	6	19				55	=4
2				8.8	121.3	130.1	22	65	1425	6	16	12.06	6	19				62	=3
5				12.7	170.4	183.1	35	70	2450	8	18	20.36	6	22				80	=8,9,12
6				17.4	243.2	260.4	33	70	2310	14	25	58.90	6	30				80	=7,10,11
13				13.6	163.0	176.6	35	70	2450	8	18	20.36	6	22				54	=16 11.6 tm
					S/PLANTA BAJA														
1		2.20		12.7	73.5	86.2	25	56	1375	6	16	12.06	6	19					
2		4.50		16.8	130.1	146.9	25	65	1625	8	18	20.36	6	19					
3		4.60		16.8	116.8	133.6	25	65	1625	8	18	20.36	6	19					
4		2.20		12.7	73.5	86.2	25	55	1375	6	16	12.06	6	19					
5		2.20		18.1	188.1	201.2	35	70	2450	8	20	25.14	8	24					
6		2.20		17.0	252.2	269.2	40	70	2800	14	25	68.74	8	30					
7		2.20		12.7	294.5	307.2	40	70	2800	14	25	68.74	8	30					
8		2.20		18.5	202.9	221.4	35	70	2450	8	25	39.27	8	30					
9		4.60		18.1	201.3	220.4	35	70	2450	8	25	39.27	8	30					
10		4.60		18.1	276.5	293.6	40	70	2800	14	25	68.74	8	30					
11		4.60		12.7	252.5	265.2	40	70	2800	14	25	68.74	8	30					
12		4.60		16.6	197.9	214.5	35	70	2450	8	25	39.27	8	30					
13		4.60		143.6	65.4	209.0	35	70	2450	8	25	39.27	8	25					
16		4.50		143.6	67.5	211.1	35	70	2450	8	25	39.27	8	25					
					ENTREPISO														
1	1500 / 1500			3.5	86.2	89.7	28	50	1400	6	16	12.06	6	19	C15	1		58	
4				3.5	86.2	89.7	28	50	1400	6	16	12.06	6	19					
5		2.20		12.9	201.2	214.1	35	70	2450	8	25	39.27	8	30					
6		2.20		11.7	269.2	280.9	40	70	2800	16	25	78.54	8	30					
7		2.20		11.7	307.2	318.9	40	70	2800	16	25	78.54	8	30					
8		2.20		11.6	221.4	232.9	35	70	2450	10	25	49.10	8	30					
					S/SUBSUELO 1°														
1		3.25			89.7	89.7	28	55	1540	6	16	12.06	6	22	C15				inclinada
2		3.25		14.4	166.9	161.3	33	65	2145	8	18	20.36	6	22				66	
3		3.25		14.4	133.6	148.0	33	65	2145	8	18	20.36	6	22				66	
4		3.25			89.7	89.7	28	55	1540	6	16	12.06	6	22					inclinada
5		3.25			214.1	214.1	42	60	2520	8	25	39.27	8	30					inclinada
6		3.25		16.0	280.9	296.9	50	70	3500	12	25	58.90	8	30				80	
7		3.25		43.7	318.9	362.6	50	70	3500	12	25	58.90	8	30				80	
8		3.25			232.9	232.9	42	60	2520	10	25	49.10	8	30					inclinada
9		3.25			220.4	220.4	42	60	2520	8	25	39.27	8	30					inclinada
10		3.25		16.9	273.6	310.5	50	70	3500	12	25	58.90	8	30					
11		3.25		44.6	265.2	309.8	50	70	3500	12	25	58.90	8	30					
12		3.25			214.5	214.5	42	60	2520	8	25	39.27	8	30					inclinada
13		3.25			209.0	209.0	42	60	2520	8	25	39.27	8	30					inclinada

COLUMNA Nº	TRAMO	hp m	ANALISIS DE CARGAS VIGA Nº REACCION DE APOYO t	PARCIAL TRAMO t	PARCIAL TR.SUP. t	TOTAL P t	DIMENSIONES Fb d1 cm	d2 cm	SEC. cm²	CAM	Re ø mm	SEC. cm²	ESTR. ø mm	SEP. cm	PANDEO hp d1	ω	ωP t	Fb kg/cm²	OBSERVACION
16		3.25			211.1	211.1	42	60	2520	8	25	39.27	8	30					inclinada
					S/SUBSUELO 2°														
1					89.7	89.7	28	55	1540	6	16	12.06	6	19					inclinada
2				14.4	161.3	176.7	37	45	2405	8	18	20.36	6	22				68	
3				14.4	148.0	162.4	37	65	2405	8	18	20.36	6	22				68	
4					89.7	89.7	28	55	1540	6	16	12.06	6	19					inclinada
5					214.1	214.1	42	60	2520	8	25	39.27	8	30					inclinada
6				16.0	296.9	312.9	50	70	3500	12	25	58.90	8	30				80	
7				18.6	362.6	381.1	50	70	3500	12	25	58.90	8	30				80	
8					232.9	232.9	42	60	2520	10	25	49.10	8	30					inclinada
9					220.4	220.4	42	60	2520	8	25	39.27	8	30					inclinada
10				16.9	310.5	327.4	50	70	3500	12	25	58.90	8	30				80	
11				17.3	309.8	327.1	50	70	3500	12	25	58.90	8	30				80	
12					214.5	214.5	42	60	2520	8	25	39.27	8	30					inclinada
13					209.0	209.0	42	60	2520	8	25	39.27	8	30					inclinada
16					211.0	211.0	42	60	2520	8	25	39.27	8	30					inclinada

| BASES | S | P | TAMAÑOS (cm) | | | | | | | | | | | | | | |