

Engineer: Name
4:49:32 p. m. 26/06/2025

	Length:	L = 4.24 m	a = 0.20 m	Section:	b = 30.0 cm	Sec:	VC-30X45				
		Lu = 3.84 m	c = 0.20 m		h = 45.0 cm	Mat:	RConcrete2				
X, m:	0.20	0.58	0.97	1.35	1.74	2.12	2.50	2.89	3.27	3.66	4.04
Mu(-), ton-m:	-0.38	-0.18	-0.05	0.00	0.00	0.00	0.00	0.00	-0.05	-0.18	-0.38
Mu(+), ton-m:	0.00	0.00	0.02	0.09	0.16	0.19	0.16	0.09	0.02	0.00	0.00
As(-), cm2:	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92
As(+), cm2:	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92
Vu, ton:	0.46	0.46	0.35	0.23	0.12	0.00	0.12	0.23	0.35	0.46	0.46
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3
Spacing, cm:	9.00	9.00	9.00	19.00	19.00	19.00	19.00	19.00	9.00	9.00	9.00
DESIGN											
	LI-22			11 #3 @ 9	10 #3 @ 19	11 #3 @ 9					LI-22

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Company: Company
Project: IE HECTOR MANUEL VIDES BALLESTEROS (MÓDULO 1)

Engineer: Name
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BEAM: LI(31-32) FLOOR: 1

	Length:	L = 5.00 m	a = 0.20 m	Section:	b = 30.0 cm	Sec:	VC-30X45					
		Lu = 4.60 m	c = 0.20 m		h = 45.0 cm	Mat:	RConcrete2					
X, m:	0.20	0.66	1.12	1.58	2.04	2.50	2.96	3.42	3.88	4.34	4.80	
Mu(-), ton-m:	-0.55	-0.26	-0.06	0.00	0.00	0.00	0.00	0.00	-0.06	-0.26	-0.55	
Mu(+), ton-m:	0.00	0.00	0.03	0.13	0.23	0.27	0.23	0.13	0.03	0.00	0.00	
As(-), cm2:	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	
As(+), cm2:	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	
Vu, ton:	0.58	0.56	0.42	0.28	0.14	0.00	0.14	0.28	0.42	0.56	0.58	
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	
Spacing, cm:	9.00	9.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	9.00	9.00	
DESIGN												
	LI-31	11 #3 @ 9 14 #3 @ 19 11 #3 @ 9								LI-32		

BEAM: LI(32-34) FLOOR: 1

	Length:	L = 5.92 m	a = 0.20 m	Section:	b = 30.0 cm	Sec:	VC-30X45					
		Lu = 5.52 m	c = 0.20 m		h = 45.0 cm	Mat:	RConcrete2					
X, m:	0.20	0.75	1.30	1.86	2.41	2.96	3.51	4.06	4.62	5.17	5.72	
Mu(-), ton-m:	-0.78	-0.37	-0.08	0.00	0.00	0.00	0.00	0.00	-0.08	-0.37	-0.78	
Mu(+), ton-m:	0.00	0.00	0.03	0.19	0.33	0.38	0.33	0.19	0.03	0.00	0.00	
As(-), cm2:	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	
As(+), cm2:	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	
Vu, ton:	0.72	0.67	0.50	0.33	0.17	0.00	0.17	0.33	0.50	0.67	0.72	
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	
Spacing, cm:	9.00	9.00	19.00	19.00	19.00	19.00	19.00	19.00	19.00	9.00	9.00	
DESIGN												
	LI-32	11 #3 @ 9 19 #3 @ 19 11 #3 @ 9									LI-34	

BEAM: K(20-22) FLOOR: 1

=====												
	Length:	L = 4.24 m	a = 0.20 m	Section:	b = 30.0 cm	Sec:	VC-30X45					
		Lu = 3.84 m	c = 0.20 m		h = 45.0 cm	Mat:	RConcrete2					

X, m:	0.20	0.58	0.97	1.35	1.74	2.12	2.50	2.89	3.27	3.66	4.04	
Mu(-), ton-m:	-0.38	-0.18	-0.05	0.00	0.00	0.00	0.00	0.00	-0.05	-0.18	-0.38	
Mu(+), ton-m:	0.00	0.00	0.02	0.09	0.16	0.19	0.16	0.09	0.02	0.00	0.00	
As(-), cm2:	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	
As(+), cm2:	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	
Vu, ton:	0.46	0.46	0.35	0.23	0.12	0.00	0.12	0.23	0.35	0.46	0.46	
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	
Spacing, cm:	9.00	9.00	9.00	19.00	19.00	19.00	19.00	19.00	9.00	9.00	9.00	

DESIGN		-----										

	K-20	11 #3 @ 9 10 #3 @ 19 11 #3 @ 9								K-22		

BEAM: K(22-23) FLOOR: 1

	Length:	L = 4.24 m	a = 0.20 m	Section:	b = 30.0 cm	Sec:	VC-30X45					
		Lu = 3.84 m	c = 0.20 m		h = 45.0 cm	Mat:	RConcrete2					
X, m:	0.20	0.58	0.97	1.35	1.74	2.12	2.50	2.89	3.27	3.66	4.04	
Mu(-), ton-m:	-0.38	-0.18	-0.05	0.00	0.00	0.00	0.00	0.00	-0.05	-0.18	-0.38	
Mu(+), ton-m:	0.00	0.00	0.02	0.09	0.16	0.19	0.16	0.09	0.02	0.00	0.00	
As(-), cm2:	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	
As(+), cm2:	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	3.92	
Vu, ton:	0.46	0.46	0.35	0.23	0.12	0.00	0.12	0.23	0.35	0.46	0.46	
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	
Spacing, cm:	9.00	9.00	9.00	19.00	19.00	19.00	19.00	19.00	9.00	9.00	9.00	
DESIGN												
	K-22	11 #3 @ 9 10 #3 @ 19 11 #3 @ 9								K-23		

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	Length:	L = 0.60 m	a = 0.00 m	Section:	b = 20.0 cm	Sec:	VG-20X60					
		Lu = 0.45 m	c = 0.15 m		h = 60.0 cm	Mat:	RConcrete2					
X, m:	0.00	0.05	0.09	0.14	0.18	0.23	0.27	0.32	0.36	0.41	0.45	
Mu(-), ton-m:	-0.03	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	
As(-), cm2:	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	
As(+), cm2:	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	
Vu, ton:	0.16	0.15	0.13	0.12	0.10	0.08	0.07	0.05	0.04	0.05	0.07	
Tu, ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	
Spacing, cm:	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	
DESIGN												
	A'-1'	3 #3 @ 27.5										A'-2'

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Company: Company

Project: IE HECTOR MANUEL VIDES BALLESTEROS (MÓDULO 1)

Engineer: Name

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BEAM: K (23-26) FLOOR: 2

	Length:	L = 4.24 m	a = 0.20 m	Section:	b = 30.0 cm	Sec:	VG-30X60					
		Lu = 3.84 m	c = 0.20 m		h = 60.0 cm	Mat:	RConcrete2					
X, m:	0.20	0.58	0.97	1.35	1.74	2.12	2.50	2.89	3.27	3.66	4.04	
Mu(-), ton-m:	-3.88	-2.52	-1.32	-0.84	-0.84	-0.84	-0.84	-0.84	-1.48	-2.77	-4.20	
Mu(+), ton-m:	1.29	0.84	1.01	1.31	1.61	2.13	1.52	1.14	0.84	0.84	1.40	
As(-), cm2:	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	
As(+), cm2:	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	
Vu, ton:	3.71	3.71	3.54	3.25	2.96	2.67	3.13	3.43	3.72	3.89	3.89	
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	
Spacing, cm:	12.50	12.50	12.50	12.50	27.50	27.50	27.50	12.50	12.50	12.50	12.50	
DESIGN												
	K-23	11 #3 @ 12.5 4 #3 @ 27.5 11 #3 @ 12.5									K-24	

BEAM: K (26-27) FLOOR: 2

	Length:	L = 4.24 m	a = 0.20 m	Section:	b = 30.0 cm	Sec:	VG-30X60					
		Lu = 3.84 m	c = 0.20 m		h = 60.0 cm	Mat:	RConcrete2					
X, m:	0.20	0.58	0.97	1.35	1.74	2.12	2.50	2.89	3.27	3.66	4.04	
Mu(-), ton-m:	-3.88	-2.51	-1.30	-0.83	-0.83	-0.83	-0.83	-0.83	-1.45	-2.72	-4.13	
Mu(+), ton-m:	1.29	0.83	0.94	1.26	1.58	2.14	1.54	1.16	0.83	0.83	1.38	
As(-), cm2:	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	
As(+), cm2:	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	
Vu, ton:	3.72	3.72	3.54	3.25	2.96	2.67	3.09	3.38	3.67	3.84	3.84	
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	
Spacing, cm:	12.50	12.50	12.50	12.50	27.50	27.50	27.50	12.50	12.50	12.50	12.50	
DESIGN												
	K-26	11 #3 @ 12.5 4 #3 @ 27.5 11 #3 @ 12.5									K-27	

BEAM: K (27-30) FLOOR: 2

	Length:	L = 4.24 m	a = 0.20 m	Section:	b = 30.0 cm	Sec:	VG-30X60					
		Lu = 3.84 m	c = 0.20 m		h = 60.0 cm	Mat:	RConcrete2					
X, m:	0.20	0.58	0.97	1.35	1.74	2.12	2.50	2.89	3.27	3.66	4.04	
Mu(-), ton-m:	-3.83	-2.49	-1.30	-0.88	-0.88	-0.88	-0.88	-0.88	-1.63	-2.95	-4.40	
Mu(+), ton-m:	1.28	0.88	0.96	1.24	1.53	2.03	1.44	1.04	0.88	0.88	1.47	
As(-), cm2:	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	
As(+), cm2:	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	
Vu, ton:	3.72	3.72	3.54	3.25	2.96	2.67	3.24	3.53	3.82	3.99	3.99	
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	
Spacing, cm:	12.50	12.50	12.50	12.50	27.50	27.50	27.50	12.50	12.50	12.50	12.50	
DESIGN												
	K-27	11 #3 @ 12.5 4 #3 @ 27.5 11 #3 @ 12.5									K-30	

BEAM: K(30-31) FLOOR: 2

	Length:	L = 4.60 m	a = 0.20 m	Section:	b = 30.0 cm	Sec:	VG-30X60					
		Lu = 4.20 m	c = 0.20 m		h = 60.0 cm	Mat:	RConcrete2					
X, m:	0.20	0.62	1.04	1.46	1.88	2.30	2.72	3.14	3.56	3.98	4.40	
Mu(-), ton-m:	-4.15	-2.59	-1.23	-0.90	-0.90	-0.90	-0.90	-0.90	-1.46	-2.89	-4.50	
Mu(+), ton-m:	1.38	0.90	0.98	1.43	1.88	2.63	1.88	1.40	0.92	0.90	1.50	
As(-), cm2:	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	
As(+), cm2:	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	
Vu, ton:	3.92	3.92	3.69	3.36	3.03	2.70	3.16	3.49	3.82	4.05	4.05	
Tu, ton-m:	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	
Spacing, cm:	12.50	12.50	12.50	27.50	27.50	27.50	27.50	27.50	12.50	12.50	12.50	
DESIGN												
	K-30	11 #3 @ 12.5 5 #3 @ 27.5 11 #3 @ 12.5								K-30		

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Company: Company

Engineer: Name

Project: IE HECTOR MANUEL VIDES BALLESTEROS (MÓDULO 1)

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BEAM: B'(34-10') FLOOR: 2

	Length:	L = 2.03 m	a = 0.15 m	Section:	b = 20.0 cm	Sec:	VG-20X60					
		Lu = 1.88 m	c = 0.00 m		h = 60.0 cm	Mat:	RConcrete2					
X, m:	0.15	0.34	0.53	0.71	0.90	1.09	1.28	1.47	1.65	1.84	2.03	
Mu(-), ton-m:	-5.71	-4.95	-4.22	-3.55	-2.91	-2.33	-1.78	-1.28	-0.83	-0.41	-0.05	
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
As(-), cm2:	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	
As(+), cm2:	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	3.62	
Vu, ton:	3.52	3.52	3.52	3.49	3.25	3.01	2.77	2.53	2.29	2.06	1.82	
Tu, ton-m:	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	
Spacing, cm:	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	
DESIGN												
	B'-34	8 #3 @ 27.5										B'-10

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Project: IE HECTOR MANUEL VIDES BALLESTEROS (MÓDULO 1)

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BEAM: 20 (LI-K) FLOOR: 2

	Length:	L = 4.36 m	a = 0.15 m	Section:	b = 30.0 cm	Sec:	VG-30X60					
		Lu = 4.06 m	c = 0.15 m		h = 60.0 cm	Mat:	RConcrete2					
X, m:	0.15	0.56	0.96	1.37	1.77	2.18	2.59	2.99	3.40	3.80	4.21	
Mu(-), ton-m:	-3.11	-1.62	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-1.90	-3.53	
Mu(+), ton-m:	2.26	2.68	3.09	3.36	3.61	4.07	3.50	3.17	2.82	2.33	1.90	
As(-), cm2:	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	
As(+), cm2:	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	
Vu, ton:	3.76	3.76	3.50	3.11	2.72	2.34	2.94	3.33	3.72	3.98	3.98	
Tu, ton-m:	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	
Spacing, cm:	12.50	12.50	12.50	27.50	27.50	27.50	27.50	27.50	12.50	12.50	12.50	
DESIGN												
	LI-20			11 #3 @ 12.5	5 #3 @ 27.5	11 #3 @ 12.5					K-20	

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	Length:	L = 0.81 m	a = 0.15 m	Section:	b = 30.0 cm	Sec:	VG-30X60					
		Lu = 0.66 m	c = 0.00 m		h = 60.0 cm	Mat:	RConcrete2					
X, m:	0.15	0.22	0.28	0.35	0.41	0.48	0.55	0.61	0.68	0.74	0.81	
Mu(-), ton-m:	-3.23	-2.88	-2.54	-2.20	-1.87	-1.54	-1.22	-0.90	-0.58	-0.28	0.00	
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	
As(-), cm2:	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	
As(+), cm2:	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	5.42	
Vu, ton:	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.75	4.70	4.64	
Tu, ton-m:	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	
Spacing, cm:	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	
DESIGN												
	H-34	4 #3 @ 27.5										F'-33

Engineer: Name
4:49:33 p. m. 26/06/2025