

Engineer: Name
10:31:36 a. m. 27/06/2025

	Length:	L = 4.52 m	a = 0.15 m	Section:	b = 30.0 cm	Sec:	VC-30X45					
		Lu = 4.22 m	c = 0.15 m		h = 45.0 cm	Mat:	RConcrete2					
X, m:	0.15	0.57	0.99	1.42	1.84	2.26	2.68	3.10	3.53	3.95	4.37	
Mu(-), ton-m:	-0.46	-0.22	-0.05	0.00	0.00	0.00	0.00	0.00	-0.05	-0.22	-0.46	
Mu(+), ton-m:	0.00	0.00	0.02	0.11	0.19	0.22	0.19	0.11	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:	0.52	0.51	0.38	0.26	0.13	0.00	0.13	0.26	0.38	0.51	0.52	
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												
	A-2	11 #3 @ 9 12 #3 @ 19 11 #3 @ 9									A-	

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	Length:	L = 1.05 m	a = 0.15 m	Section:	b = 30.0 cm	Sec:	VG-30X40					
		Lu = 0.90 m	c = 0.00 m		h = 40.0 cm	Mat:	RConcrete2					
X, m:	0.15	0.24	0.33	0.42	0.51	0.60	0.69	0.78	0.87	0.96	1.05	
Mu(-), ton-m:	-0.88	-0.77	-0.67	-0.57	-0.47	-0.38	-0.30	-0.22	-0.14	-0.07	0.00	
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:	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	
As(+), cm2:	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	
Vu, ton:	1.04	1.04	1.04	1.04	1.02	0.97	0.92	0.87	0.82	0.77	0.72	
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:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	
DESIGN		-----										

	A-3	7 #3 @ 15										A-3

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	Length:	L = 1.05 m	a = 0.15 m	Section:	b = 30.0 cm	Sec:	VG-30X40					
		Lu = 0.90 m	c = 0.00 m		h = 40.0 cm	Mat:	RConcrete2					
X, m:	0.15	0.24	0.33	0.42	0.51	0.60	0.69	0.78	0.87	0.96	1.05	
Mu(-), ton-m:	-1.44	-1.26	-1.09	-0.93	-0.78	-0.63	-0.49	-0.35	-0.22	-0.10	0.00	
Mu(+), ton-m:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	
As(-), cm2:	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	
As(+), cm2:	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	
Vu, ton:	1.70	1.70	1.70	1.70	1.68	1.61	1.54	1.47	1.39	1.32	1.25	
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:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	
DESIGN												
	C-3	7 #3 @ 15										C-3

Engineer: Name
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	Length:	L = 1.05 m	a = 0.15 m	Section:	b = 20.0 cm	Sec:	VG-20X40				
		Lu = 0.90 m	c = 0.00 m		h = 40.0 cm	Mat:	RConcrete2				
X, m:	0.15	0.24	0.33	0.42	0.51	0.60	0.69	0.78	0.87	0.96	1.05
Mu(-), ton-m:	-0.08	-0.06	-0.05	-0.03	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02
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:	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28
As(+), cm2:	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28
Vu, ton:	0.11	0.11	0.11	0.11	0.10	0.07	0.04	0.01	0.03	0.07	0.10
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:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
DESIGN											
	A'-3					7 #3 @ 15					A'-3

Engineer: Name
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Engineer: Name
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Company: Company

Engineer: Name

Project: IE HECTOR MANUEL VIDES BALLESTEROS (MÓDULO 9)

10:31:36 a. m. 27/06/2025

BEAM: 1' (C-A') FLOOR: 2

	Length:	L = 1.18 m	a = 0.15 m	Section:	b = 20.0 cm	Sec:	VG-20X40					
		Lu = 1.03 m	c = 0.00 m		h = 40.0 cm	Mat:	RConcrete2					
X, m:	0.15	0.25	0.36	0.46	0.56	0.66	0.77	0.87	0.97	1.08	1.18	
Mu(-), ton-m:	-0.23	-0.18	-0.14	-0.11	-0.08	-0.06	-0.05	-0.03	-0.03	-0.03	-0.03	
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:	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	
As(+), cm2:	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	
Vu, ton:	0.28	0.28	0.28	0.28	0.24	0.19	0.14	0.09	0.04	0.02	0.07	
Tu, ton-m:	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	
Spacing, cm:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	
DESIGN												

Engineer: Name
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	Length:	L = 3.00 m	a = 0.15 m	Section:	b = 20.0 cm	Sec:	VG-20X40				
		Lu = 2.70 m	c = 0.15 m		h = 40.0 cm	Mat:	RConcrete2				
X, m:	0.15	0.42	0.69	0.96	1.23	1.50	1.77	2.04	2.31	2.58	2.85
Mu(-), ton-m:	-0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-0.43
Mu(+), ton-m:	0.23	0.62	0.95	1.16	1.28	1.28	1.15	0.92	0.57	0.18	0.00
As(-), cm2:	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28
As(+), cm2:	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28
Vu, ton:	1.29	1.29	0.99	0.58	0.18	0.23	0.64	1.04	1.45	1.75	1.75
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:	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
DESIGN											
	A-2'					19 #3 @ 15					B-2'

Engineer: Name
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	Length:	L = 2.00 m	a = 0.15 m	Section:	b = 30.0 cm	Sec:	VG-30X40					
		Lu = 1.70 m	c = 0.15 m		h = 40.0 cm	Mat:	RConcrete2					
X, m:	0.15	0.32	0.49	0.66	0.83	1.00	1.17	1.34	1.51	1.68	1.85	
Mu(-), ton-m:	-1.45	-1.12	-0.82	-0.64	-0.64	-0.84	-1.27	-1.72	-2.20	-2.70	-3.22	
Mu(+), ton-m:	0.97	0.67	0.64	0.64	0.64	0.64	0.64	0.64	0.72	0.90	1.07	
As(-), cm2:	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	
As(+), cm2:	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	3.42	
Vu, ton:	2.93	2.93	2.93	3.05	3.17	3.30	3.42	3.54	3.67	3.67	3.67	
Tu, ton-m:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Stirrup:	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	#3	
Spacing, cm:	8.00	8.00	8.00	8.00	8.00	17.00	8.00	8.00	8.00	8.00	8.00	
DESIGN												

	B-3	21 #3 @ 8									C-3	

Engineer: Name
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