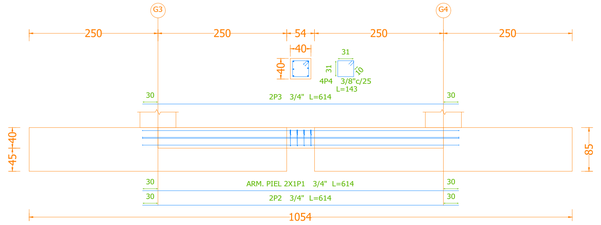
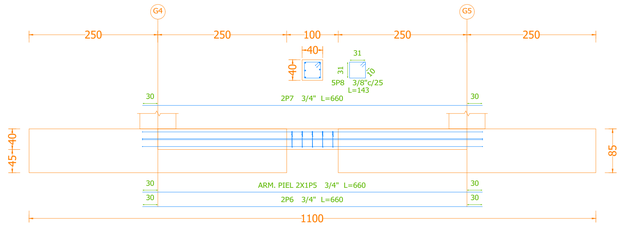
C.3.1 [G3 - G4]



Elemento	Pos.	Diám.	No.	Long. (cm)	Total (cm)	Grado 60 (kg)
C.3.1 [G3 - G4]	1	3/4"	2	614	1228	27.5
	2	3/4"	2	614	1228	27.5
	3	3/4"	2	614	1228	27.5
	4	3/8"	4	143	572	3.2
					Total+10%:	94.3
C.3.1 [G4 - G5]	6	3/4"	2	660	1320	29.5
	6	3/4"	2	660	1320	29.5
	7	3/4"	2	660	1320	29.5
	8	3/8"	5	143	715	4.0
					Total+10%:	101.8
					3/8":	7.9
					3/4":	188.2
					Total:	196.1

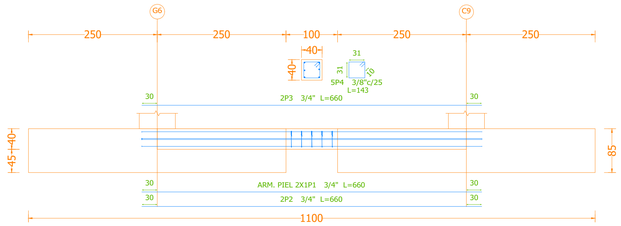
C.3.1 [G4 - G5]



Resumen Acero Fundación Despiece fundación		Long. total (m)	Peso+10% (kg)	Total
Grado 60	3/8"	401.5	247	
	1/2"	284.6	311	
	5/8"	243.5	418	
	3/4"	11514.9	28338	
	1"	10.7	47	29361

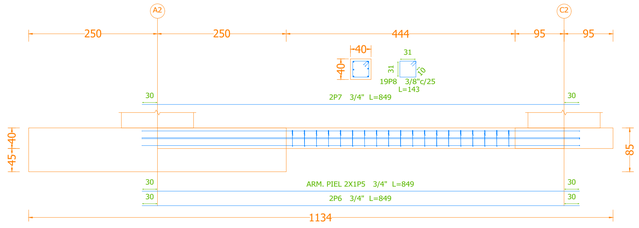
DETALLES DE VIGA DE AMARRE

C.3.1 [G6 - C9]



Elemento	Pos.	Diám.	No.	Long. (cm)	Total (cm)	Grado 60 (kg)
C.3.1 [G6 - C9]	1	3/4"	2	660	1320	29.5
	2	3/4"	2	660	1320	29.5
	3	3/4"	2	660	1320	29.5
	4	3/8"	5	143	715	4.0
					Total+10%:	101.8
C.3.1 [A2 - C2]	5	3/4"	2	849	1698	38.0
	6	3/4"	2	849	1698	38.0
	7	3/4"	2	849	1698	38.0
	8	3/8"	19	143	2717	15.2
					Total+10%:	142.1
					3/8":	22.3
					3/4":	222.8
					Total:	243.9

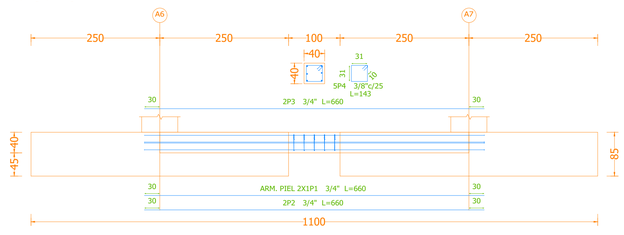
C.3.1 [A2 - C2]



Resumen Acero Fundación Despiece fundación		Long. total (m)	Peso+10% (kg)	Total
Grado 60	3/8"	401.5	247	
	1/2"	284.6	311	
	5/8"	243.5	418	
	3/4"	11514.9	28338	
	1"	10.7	47	29361

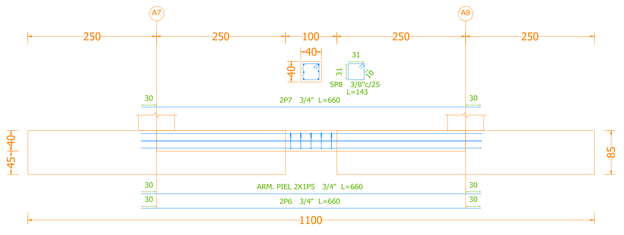
DETALLES DE VIGA DE AMARRE

C.3.1 [A6 - A7]



Elemento	Pos.	Diám.	No.	Long. (cm)	Total (cm)	Grado 60 (kg)
C.3.1 [A6 - A7]	1	3/4"	2	660	1320	29.5
	2	3/4"	2	660	1320	29.5
	3	3/4"	2	660	1320	29.5
	4	3/8"	5	143	715	4.0
					Total+10%:	101.8
C.3.1 [A7 - A8]	5	3/4"	2	660	1320	29.5
	6	3/4"	2	660	1320	29.5
	7	3/4"	2	660	1320	29.5
	8	3/8"	5	143	715	4.0
					Total+10%:	101.8
					3/8":	8.8
					3/4":	194.8
					Total:	203.6

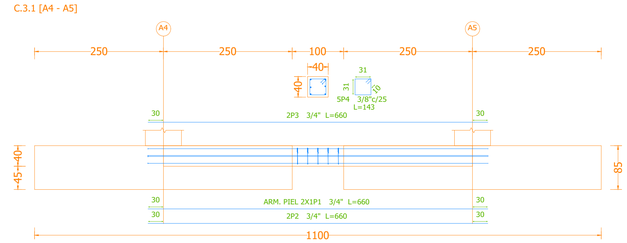
C.3.1 [A7 - A8]



Resumen Acero Fundación Despiece fundación		Long. total (m)	Peso+10% (kg)	Total
Grado 60	3/8"	401.5	247	
	1/2"	284.6	311	
	5/8"	243.5	418	
	3/4"	11514.9	28338	
	1"	10.7	47	29361

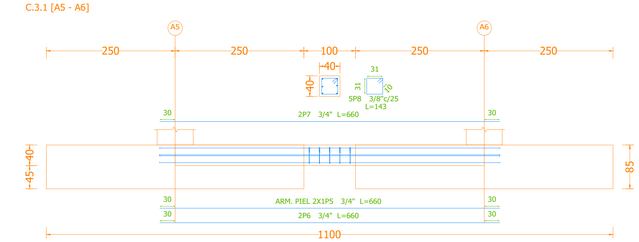
DETALLES DE VIGA DE AMARRE

C.3.1 [A4 - A5]



Elemento	Pos.	Diám.	No.	Long. (cm)	Total (cm)	Grado 60 (kg)
C.3.1 [A4 - A5]	1	3/4"	2	660	1320	29.5
	2	3/4"	2	660	1320	29.5
	3	3/4"	2	660	1320	29.5
	4	3/8"	5	143	715	4.0
					Total+10%:	101.8
C.3.1 [A5 - A6]	5	3/4"	2	660	1320	29.5
	6	3/4"	2	660	1320	29.5
	7	3/4"	2	660	1320	29.5
	8	3/8"	5	143	715	4.0
					Total+10%:	101.8
					3/8":	8.8
					3/4":	194.8
					Total:	203.6

C.3.1 [A5 - A6]



Resumen Acero Fundación Despiece fundación		Long. total (m)	Peso+10% (kg)	Total
Grado 60	3/8"	401.5	247	
	1/2"	284.6	311	
	5/8"	243.5	418	
	3/4"	11514.9	28338	
	1"	10.7	47	29361

DETALLES DE VIGA DE AMARRE

GOBERNACIÓN DEL
CESAR

GOBERNADOR(A):
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SECRETARIO INFRAESTRUCTURA DEPARTAMENTAL
JORGE ARMANDO MAESTRE JARABA

SECRETARIO PLANEACION DEPARTAMENTAL
LUIS CAMILO CERCHIARO MEJIA

ALCALDE:
ERNESTO OROZCO DURÁN

SECRETARIA DE PLANEACIÓN MUNICIPAL:
LAURA VANESSA GARRIDO TORRES

PROYECTO:
"CONSTRUCCIÓN DE ARENA DE TENIS DE MESA PING PONG PANG EN LA CIUDAD DE VALLEDUPAR, DEPARTAMENTO DEL CESAR".

DESARROLLO DIGITAL DEL PROYECTO:

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M.P. No. A42192020-1065845422

DISEÑO ESTRUCTURAL:
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DISEÑO HIDROSANITARIO:
JUAN JOSE ORATE
M.P. No. 091037-0661809 CND

CONTIENE :
DETALLES DE CIMENTACION

OBSERVACIONES DE:

REVISÓ:

FECHA: Septiembre 2025

ESCALA: 1:50

ARCHIVO:

PLANO N°: EST 3/3

EST-03