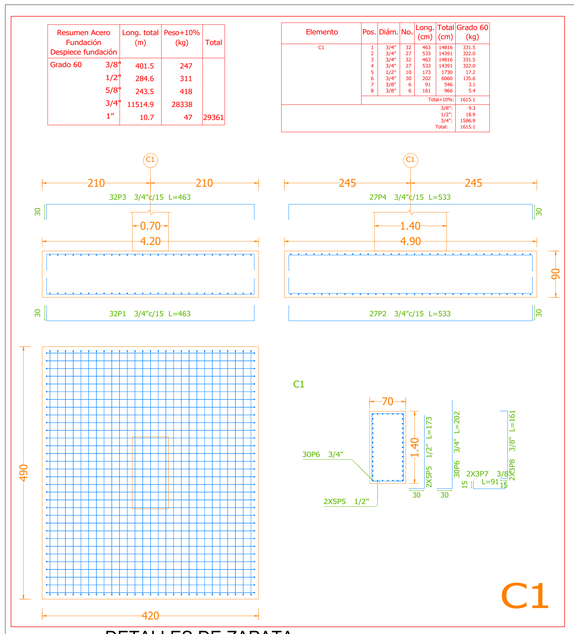
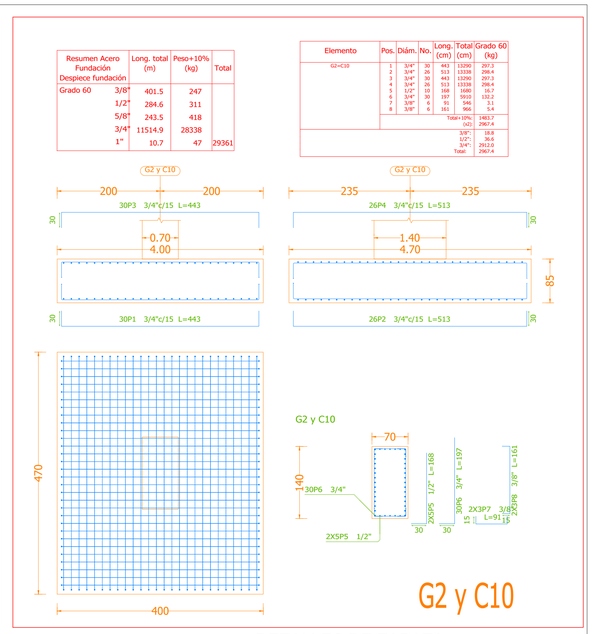


Resumen Acero Fundación Despiece fundación		Long. total (m)	Peso+10% (kg)	Total
Grado 60	3/8†	401.5	247	
	1/2†	284.6	311	
	5/8†	243.5	418	
	3/4†	11514.9	28338	
	1"	10.7	47	29361

Elemento	Pos.	Diám.	No.	Long. (cm)	Total (cm)	Grado 60 (kg)
C1	1	3/4"	32	463	14816	331.5
	2	3/4"	27	533	14391	322.0
	3	3/4"	32	463	14816	331.5
	4	3/4"	27	533	14391	322.0
	5	1/2"	30	202	6060	135.6
	6	3/4"	30	202	6060	135.6
	7	3/8"	6	91	546	3.1
	8	3/8"	6	161	966	5.4
					Total+10%:	1615.1
					3/8":	9.3
					1/2":	135.6
					3/4":	1588.9
					Total:	1615.1

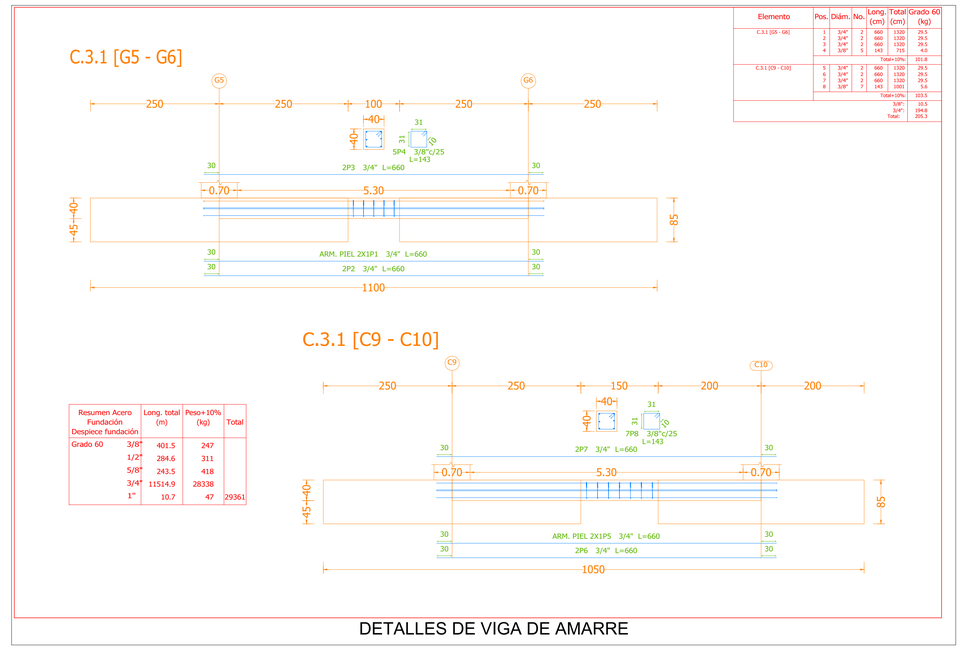
DETALLES DE ZAPATA



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

Elemento	Pos.	Diám.	No.	Long. (cm)	Total (cm)	Grado 60 (kg)
G2+C10	1	3/4"	30	443	13290	297.3
	2	3/4"	30	443	13290	297.3
	3	3/4"	30	443	13290	297.3
	4	3/4"	26	513	13338	298.4
	5	1/2"	10	168	1680	10.7
	6	3/4"	30	197	5910	132.2
	7	3/8"	6	91	546	3.1
	8	3/8"	6	161	966	5.4
					Total+10%: (x12):	1463.7 2967.4
					3/8":	18.8
					1/2":	36.6
					3/4":	2912.0
					Total:	2967.4

DETALLES DE ZAPATA

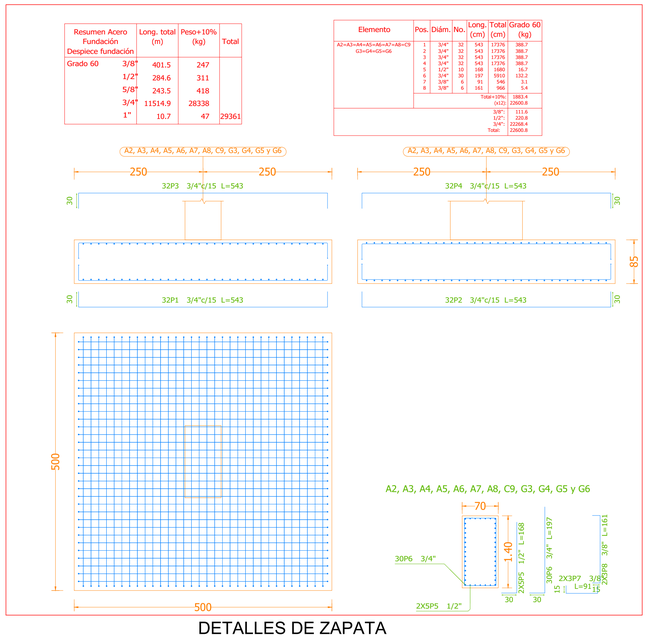


Resumen Acero Fundación Despiece fundación		Long. total (m)	Peso+10% (kg)	Total
Grado 60	3/8†	401.5	247	
	1/2†	284.6	311	
	5/8†	243.5	418	
	3/4†	11514.9	28338	
	1"	10.7	47	29361

Elemento	Pos.	Diám.	No.	Long. (cm)	Total (cm)	Grado 60 (kg)
C.3.1 (G5 - G6)	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 (C9 - C10)	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"	7	143	1001	5.6
					Total+10%:	103.5
					3/8":	10.5
					3/4":	194.8
					Total:	205.3

DETALLES DE VIGA DE AMARRE

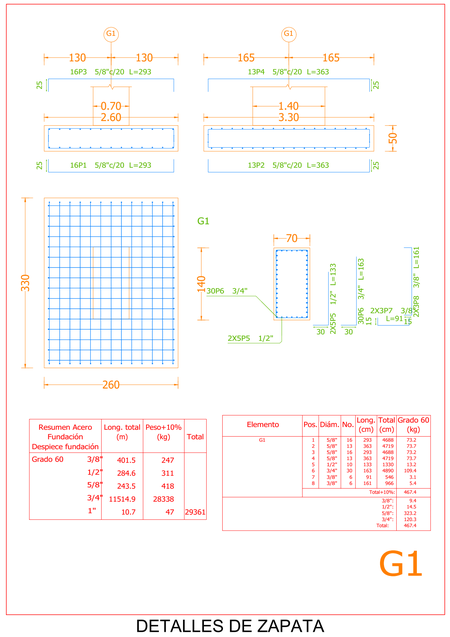
A2, A3, A4, A5, A6, A7, A8, C9, G3, G4, G5 y G6



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

Elemento	Pos.	Diám.	No.	Long. (cm)	Total (cm)	Grado 60 (kg)
A2+A3+A4+A5+A6+A7+A8+C9 G3+G4+G5+G6	1	3/4"	32	543	17376	388.7
	2	3/4"	27	543	14391	322.0
	3	3/4"	32	543	17376	388.7
	4	3/4"	27	533	14391	322.0
	5	1/2"	30	168	5040	113.0
	6	3/4"	30	202	6060	135.6
	7	3/8"	6	91	546	3.1
	8	3/8"	6	161	966	5.4
					Total+10%: (x12):	1803.4 22060.8
					3/8":	111.6
					1/2":	220.8
					3/4":	22268.4
					Total:	22060.8

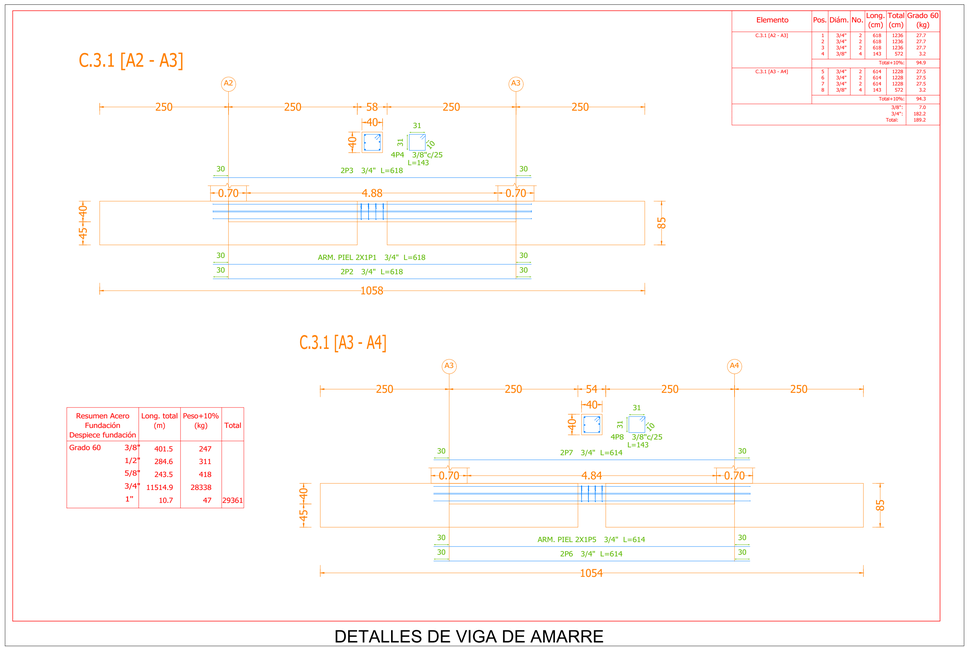
DETALLES DE ZAPATA



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

Elemento	Pos.	Diám.	No.	Long. (cm)	Total (cm)	Grado 60 (kg)
G1	1	5/8"	16	293	4688	73.2
	2	5/8"	13	363	4719	73.7
	3	5/8"	16	293	4688	73.2
	4	5/8"	13	363	4719	73.7
	5	1/2"	10	133	1330	13.2
	6	3/4"	30	163	4890	109.4
	7	3/8"	6	91	546	3.1
	8	3/8"	6	161	966	5.4
					Total+10%:	467.4
					3/8":	9.4
					1/2":	14.5
					5/8":	323.2
					3/4":	120.3
					Total:	467.4

DETALLES DE ZAPATA



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

Elemento	Pos.	Diám.	No.	Long. (cm)	Total (cm)	Grado 60 (kg)
C.3.1 [A2 - A3]	1	3/4"	2	618	1236	27.7
	2	3/4"	2	618	1236	27.7
	3	3/4"	4	618	1236	27.7
	4	3/8"	4	143	572	3.2
					Total+10%:	94.9
C.3.1 [A3 - A4]	5	3/4"	2	614	1228	27.5
	6	3/4"	2	614	1228	27.5
	7	3/4"	2	614	1228	27.5
	8	3/8"	4	143	572	3.2
					Total+10%:	94.3
					3/8":	7.0
					3/4":	182.2
					Total:	189.2

DETALLES DE VIGA DE AMARRE

GOBERNACIÓN DEL CESAR

GOBERNADOR(A):
ELVIA MILENA SAN JUAN DAVILA

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:

DISEÑO ARQUITECTONICO:
ULISES GUILLERMO GALEZO CIFUENTES
M.P.No. A42192020-1065845422

DISEÑO ESTRUCTURAL:
AYINSON GONZÁLEZ
M.P.No. 08202097729 ATL

DISEÑO TOPOGRÁFICO:
RAFAEL CUELLO CARRILLO
MP.No. 01-14206
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DISEÑO ELECTRICO:
LUIS FELIPE SANCHEZ LLANOS
No. AT205-41653.

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 2/3

EST-02