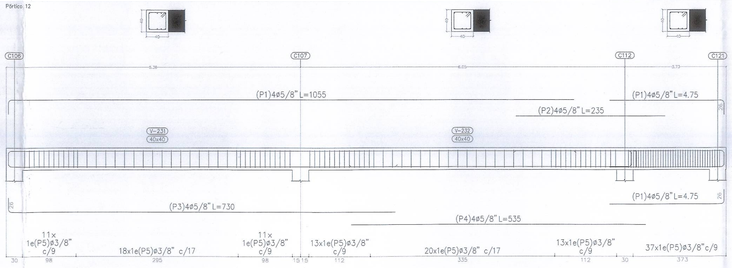
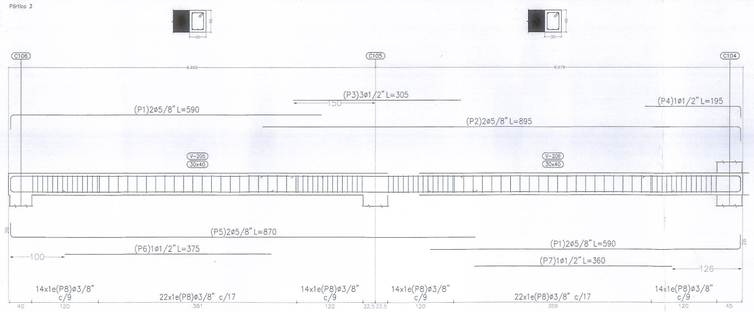
o 60 (Latinoamérica)
do 60 (Latinoamérica)

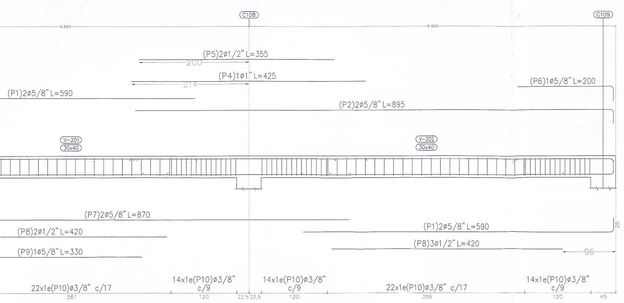
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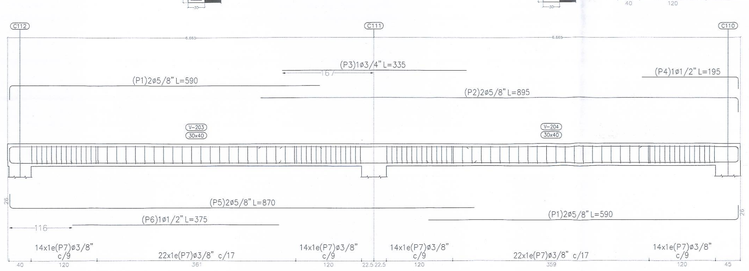
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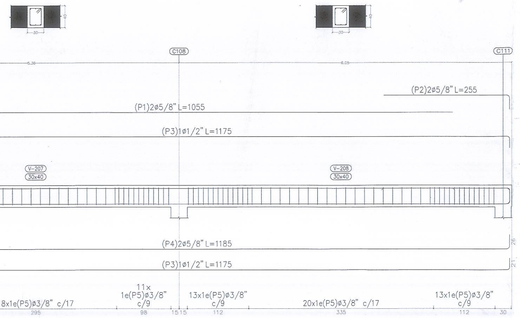
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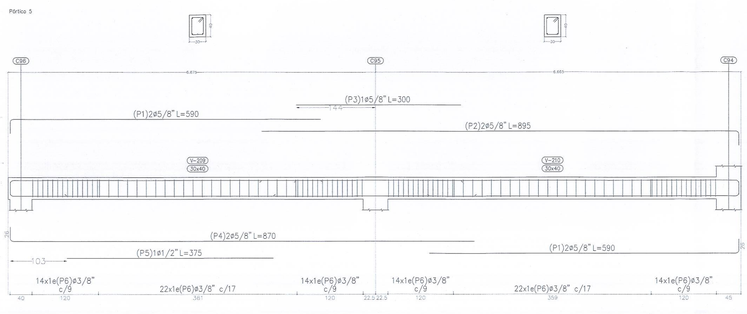


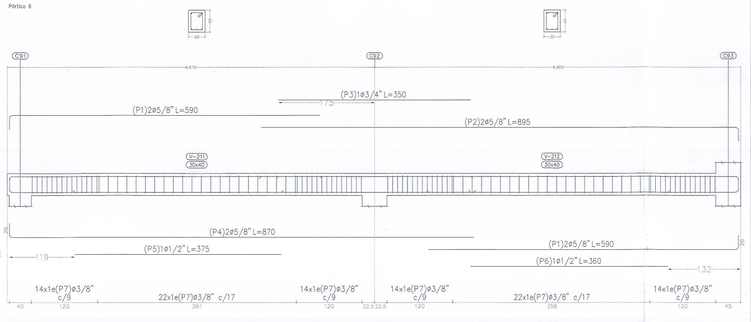
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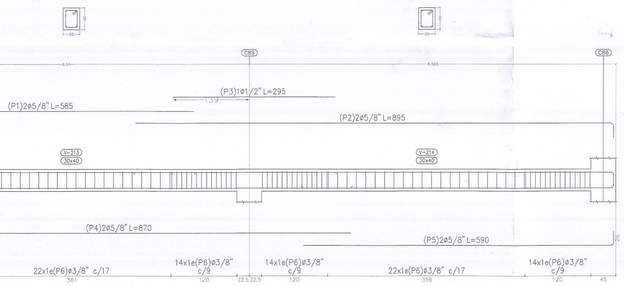
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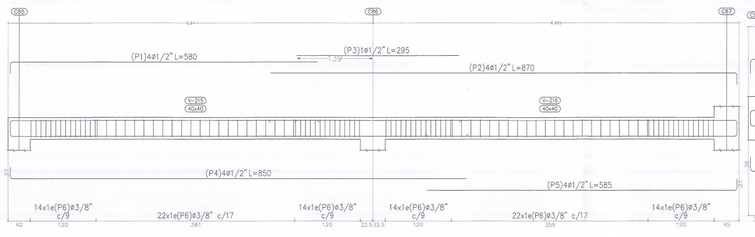




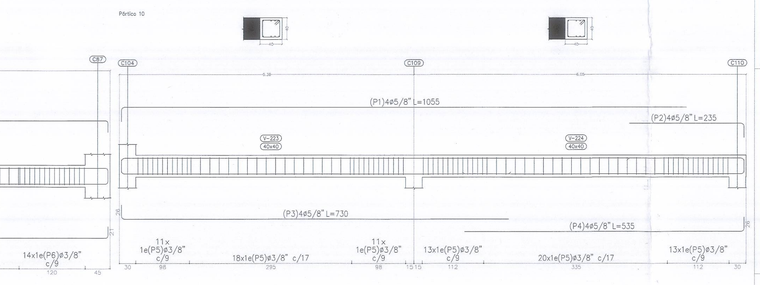


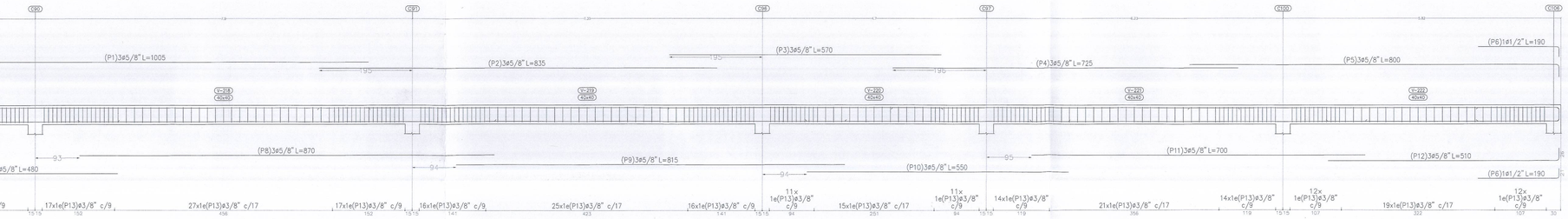
Pórtico 8

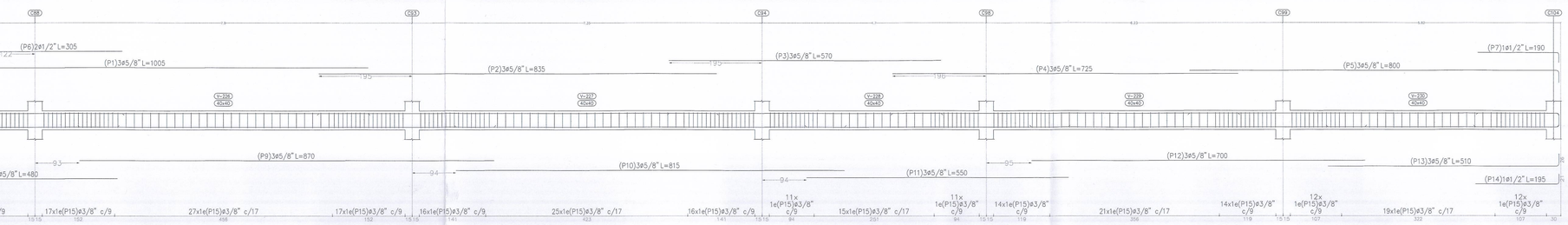




Pórtico 10







Elemento	Pos.	Ø(mm)	No.	Esquema (cm)	Long. (cm)	Total (cm)	Grado 60 (kg)
Pórtico 11	1	#5/8"	2	978	1005	3015	47.1
	3	#5/8"	2	835	835	2505	39.1
	5	#5/8"	3	570	570	1710	26.7
	4	#5/8"	3	725	725	2175	34.0
	5	#5/8"	2	774	800	2400	37.5
	6	#1/2"	2	169	305	610	8.1
	7	#1/2"	1	174	190	190	1.9
	8	#5/8"	3	454	480	1440	22.5
	9	#5/8"	3	870	870	2610	40.8
	10	#5/8"	3	815	815	2445	38.2
	11	#5/8"	3	550	550	1650	25.8
	12	#5/8"	3	700	700	2100	32.8
	13	#5/8"	3	484	510	1530	23.9
	14	#1/2"	1	174	195	195	1.9
	15	#3/8"	274	10 / 31	143	39180	218.2
					Total=1015		651.4

Elementos	Pos.	Ø(mm)	No.	Esquema (cm)	Long. (cm)	Total (cm)	Grado 60 (kg)
Pórtico 1	1	#5/8"	4	564	580	2320	35.8
	2	#5/8"	2	868	895	1790	28.0
	3	#5/8"	1	159	185	185	2.8
	4	#4"	1	425	425	425	16.9
	5	#1/2"	2	350	358	716	9.1
	6	#5/8"	1	174	200	200	3.1
	7	#5/8"	2	844	870	1740	27.2
	8	#1/2"	5	420	433	2165	20.8
	9	#5/8"	1	330	330	330	5.2
	10	#3/8"	100	10 / 21	123	12300	68.8
					Total=1015		238.7
Pórtico 2	1	#5/8"	4	564	580	2320	35.9
	2	#5/8"	2	869	895	1790	28.0
	3	#3/4"	1	335	335	335	7.5
	4	#1/2"	1	174	195	195	1.9
	5	#5/8"	2	844	870	1740	27.2
	6	#1/2"	1	375	375	375	3.7
	7	#3/8"	100	10 / 21	123	12300	68.8
					Total=1015		191.4
Pórtico 3	1	#5/8"	4	564	580	2320	35.9
	2	#5/8"	2	869	895	1790	28.0
	3	#1/2"	3	305	305	915	9.1
	4	#1/2"	1	174	195	195	1.9
	5	#5/8"	2	844	870	1740	27.2
	6	#1/2"	1	375	375	375	3.7
	7	#1/2"	1	360	360	360	3.6
	8	#3/8"	100	10 / 21	123	12300	68.8
					Total=1015		178.1
Pórtico 4	1	#5/8"	3	1029	1029	3090	35.0
	2	#5/8"	2	225	350	700	8.0
	3	#1/2"	3	1133	1135	3390	33.4
	4	#5/8"	3	1133	1185	3570	51.0
	5	#3/8"	88	10 / 21	123	10578	58.3
					Total=1015		185.7
Pórtico 5	1	#5/8"	4	564	580	2360	36.9
	2	#5/8"	2	869	895	1790	28.0
	3	#5/8"	1	300	300	300	4.7
	4	#5/8"	2	844	870	1740	27.2
	5	#1/2"	1	375	375	375	3.7
	6	#3/8"	100	10 / 21	123	12300	68.8
					Total=1015		169.3
Pórtico 6	1	#5/8"	4	564	580	2360	36.9
	2	#5/8"	2	869	895	1790	28.0
	3	#3/4"	1	350	350	350	7.8
	4	#5/8"	2	844	870	1740	27.2
	5	#1/2"	1	375	375	375	3.7
	6	#1/2"	1	360	360	360	3.6
	7	#3/8"	100	10 / 21	123	12300	68.8
					Total=1015		176.8
Pórtico 7	1	#5/8"	2	559	585	1170	18.3
	2	#5/8"	2	869	895	1790	28.0
	3	#1/2"	1	285	295	295	2.9
	4	#5/8"	2	844	870	1740	27.2
	5	#5/8"	2	564	580	1160	18.1
	6	#3/8"	100	10 / 21	123	12300	68.8
					Total=1015		162.0
Pórtico 8	1	#5/8"	4	569	585	2335	33.1
	2	#5/8"	4	849	870	2480	34.8
	3	#1/2"	1	295	295	295	3.9
	4	#5/8"	4	829	850	2400	33.8
	5	#5/8"	4	564	580	2340	33.3
	6	#3/8"	100	10 / 21	143	14300	80.0
					Total=1015		219.3
Pórtico 9	1	#5/8"	3	879	1005	3015	47.1
	2	#5/8"	3	835	835	2505	39.1
	3	#5/8"	3	570	570	1710	26.7
	4	#5/8"	3	725	725	2175	34.0
	5	#5/8"	3	774	800	2400	37.5
	6	#1/2"	2	169	190	380	3.8
	7	#5/8"	3	454	480	1440	22.5
	8	#5/8"	3	870	870	2610	40.8
	9	#5/8"	3	815	815	2445	38.2
	10	#5/8"	3	550	550	1650	25.8
	11	#5/8"	3	700	700	2100	32.8
	12	#5/8"	3	484	510	1530	23.9
	13	#3/8"	274	10 / 31	143	39180	219.3
					Total=1015		650.7
Pórtico 10	1	#5/8"	4	1029	1055	4220	65.8
	2	#5/8"	4	209	235	940	14.7
	3	#5/8"	4	704	730	2920	45.6
	4	#5/8"	4	508	535	2140	33.4
	5	#3/8"	88	10 / 31	143	12298	68.8
					Total=1015		291.2
Pórtico 12	1	#5/8"	4	1029	1055	4220	65.9
	2	#5/8"	4	209	235	940	14.7
	3	#5/8"	4	704	730	2920	45.6
	4	#5/8"	4	509	535	2140	33.4
	5	#3/8"	88	10 / 31	143	12298	68.8
					Total=1015		331.2
					#3/8"		1334.1
					#1/2"		242.8
					#5/8"		4012.5
					#3/4"		18.3
					#4"		16.9
					Total=		5624.7

MUNICIPIO DE TOCANCIPA
TRADICION Y PROGRESO

MUNICIPIO TOCANCIPÁ
DEPARTAMENTO DE CUNDINAMARCA

VoBo.:

CONSORCIO STARK
CONSORCIO STARK
901.519.583-9
ING.NATALIE TRISTANCHO
REPRESENTANTE LEGAL

PROYECTO:

CENTRO DE ATENCIÓN Y EDUCACIÓN INICIAL VEREDA LA FUENTE EN EL MUNICIPIO DE TOCANCIPÁ

LOTE SEVILLA
VEREDA LA FUENTE
MUNICIPIO DE TOCANCIPÁ
DEPARTAMENTO DE CUNDINAMARCA

CONTRATISTA CONSTRUCTOR:

CONSORCIO BS
INGENIERÍA
CONSORCIO BS
901.590.075-0
ING. JEFFERSON BOHORQUEZ LESMES
MP 25202-088503
REPRESENTANTE LEGAL

CONVENCIONES:

MODIFICACIONES

ESPECIALISTA INTERVENTORIA:
JESUS ORLANDO VIVAS
MP 54202-35638

ESPECIALISTA OBRA:
LUIS FERNANDO CORREA JAIME
MP 25203-62184

ARCHIVO:
E 12 - BLOQUE A
DESPIECE DE VIGAS AEREAS
PLANO RECORD

FECHA :
17.10.2025

SIN ESCALA

PLANO No.
12 DE 50