

LDCA

SAS ZOMAC

PBX: (571) 827 6297 - 827 5656 - (575) 376 4000

Cel: 317 4302576

cartera@ladeca.co

IMPORTANTE!

Por seguridad realice sus pagos a través
De la Cuenta Corriente Banco de Occidente
No. 012152701-4
REGIMEN COMUN
Calle 15 Carrera 21 - 05 Carmen Maicao - La Guajira
ACTIVIDAD ECONOMICA 4663
a nombre de LDCA S.A.S ZOMAC
¡Recuerde, Entregar dinero en efectivo al
Asesor o a un tercero sea bajo su absoluta
responsabilidad.
No practicar RETENCION EN LA FUENTE, art.
1.2.1.23.1.10 decreto 1650 de 2017 - Microempresa

ORIGINAL DE FACTURA ELECTRÓNICA
No.: PA2L64

Numeración Autorizada Del PA2L 1 al PA2L 30000
Resolucion Dian18764008696774 de 10 de diciembre del
2020. Vigencia Hasta 10 de diciembre del 2021

Señores: CONSORCIO FUNDACION 2020			FECHA FACTURA: 28-12-2020			
Nit / C.C. 901350711			VENCIMIENTO: 28-12-2020			
Dirección: CR 16 93 A 36 OF 401						
Ciudad: BOGOTA			FORMA DE PAGO: 8 DIAS			
PEDIDO U ORDEN DE COMPRA		REMISION		VENDEDOR		
204113		PLMO		0160		
ITEM	CODIGO	CANTIDAD	DESCRIPCION	PESO	Vr. Unitario	Vr Total
1	00100050	1425.96	(KG) HIER. FIGURADO 1/2	1425.96	2.750	3.921.39

DESPACHADO

2020 DIC. 28

CUATRO MILLONES SEISCIENTOS SESENTA Y SEIS MIL CUATROCIENTOS CINCUENTA Y CUATRO PESOS MCTE CON			SUBTOTAL		3.921.390,0
Observaciones: OBRA: PROYECTO CARCEL MAGDALENA UBICACION PALMA DE VINO Y SE			SEGURO FLETES		
DESPACHA DIAMETRO 1/2 COMPLETO DE ACUERDO A CARTILLA			RETEIVA		
Direccion de Entrega:			I.V.A.		745.064,0

PASADOS 3 DIAS DE LA ENTREGA DE LA MERCANCIA NO SE ACEPTAN RECLAMOS NI DEVOLUCIONES

TOTAL \$	4.666.454,1
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Al pagar con cheque, coloque sello restrictivo, gire y deposite a nombre de LDCA SAS ZOMAC en las siguientes cuentas:

cuenta recaudadora 516809282 Banco de Occidente, código recaudo No. 021884

Al pagar esta factura exija recibo provisional de caja, sin este no aceptamos reclamos.

Esta factura de venta causara interes moratorios mensuales a la tasa maxima permitida por la ley, a partir de la fecha de su vencimiento.

Esta factura de venta es un titulo valor de conformidad a lo establecido en el artículo 742 del Cod. De Comercio (modificado por la ley 1231/2008 Art 1.)

Se hace constar que la firma de una persona distinta al comprador implica que esa persona se entiende autorizada expresamente por el comprador para recibir la mercancía y firmar el documento como dependiente suyo de conformidad a lo establecido en la ley 1231/08

Autorizo a LDCA SAS ZOMAC o a quien represente sus derechos de manera expresa e irrevocable para reportar, procesar, solocitar y divulgar a cualquier operador de base de datos e informacion financiera, crediticia, comercial, de servicios, toda la informacion referente a mi (nuestro comportamiento) como cliente (s) de LDCA SAS ZOMAC conformidad a la normatividad vigente sobre base de datos.

Firma autorizada	Acepto y recibi



Emitido a través de

GetFEL

Los alambres grafilados de 4.0, 4.5, y 5.0 mm solo pueden ser utilizados para la elaboracion de mallas electrosoldadas. Teniendo en cuenta lo anterior, nuestra empresa no se hace responsable del uso que ustedes como clientes le den a este tipo de material.

CUFE: 75beb81e10cb292208e48f1763acc4a9ffeeaaaf174aedd3a6d32c66a5f95f62dc7fa81b8784bbde3998dbfbaa919adeb

Representación impresa de la Factura

PROYECTO ERON -CONSORCIO FUNDACION 2020

SANIDAD-204113

RESUMEN TOTAL

RESUMEN DE PESOS DOBLADORA

DIAMETRO	Fy (Mpa)	LONGITUD (m)	PESO (kg)
1"	420	19.655.9	78092.90
7/8"	420	3.241.4	9860.49
3/4"	420	3.014.5	6737.41
5/8"	420	6.595.4	10236.11
1/2"	420	234.6	233.16
3/8"	420	39.625.9	22190.52
ALAM_NEG	1	9.600.0	9600.00
TOTAL DOBLADORA			136950.58

RESUMEN DE PESOS BARRAS ESTANDAR

DIAMETRO	Fy (Mpa)	LONGITUD (m)	CANTIDAD	PESO (kg)
1"	420	12.00	20.0	953.52
7/8"	420	12.00	20.0	730.08
3/4"	420	12.00	50.0	1341.00
5/8"	420	12.00	50.0	931.20
5/8"	420	9.00	6.0	83.81
5/8"	420	6.00	10.0	93.12
1/2"	420	12.00	100.0	1192.80
3/8"	420	12.00	100.0	672.00
TOTAL ESTANDAR				5997.50

RESUMEN DE PESOS MALLAS ELECTROSOLDADAS ESTANDAR

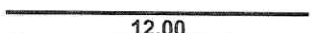
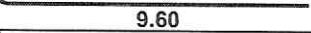
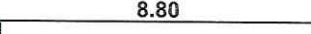
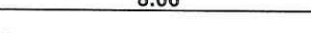
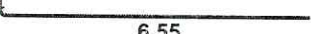
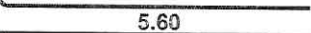
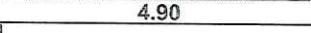
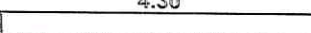
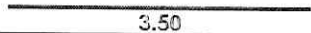
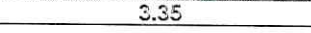
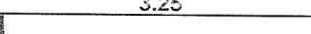
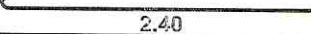
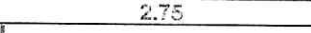
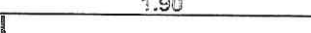
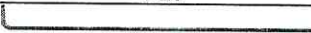
MALLA	CANTIDAD	PESO (kg)
XX-188	10	422.00
XX-378	386	32694.20
TOTAL MALLAS ESTANDAR		33116.20

PESO TOTAL DEL PEDIDO = 176064.28 kg

PROYECTO ERON -CONSORCIO FUNDACION 2020
SANIDAD-204113

LISTADO PARA ESTRIBADORA

Lista de barras 1"

	DIAGRAMA	CANT.	DIAM.	LONG (m)	P. Unit	PESO TOTAL	UBICACION
1		S 20	1"	12.00	47.68	953.52	
2		3	1"	10.00	39.73	119.19	
3		190	1"	9.20	36.55	6944.80	
4		160	1"	8.40	33.37	5339.71	
5		160	1"	8.30	32.98	5276.14	
6		770	1"	7.80	30.99	23861.84	
7		260	1"	6.95	27.61	7179.21	
8		160	1"	6.00	23.84	3814.08	
9		190	1"	5.30	21.06	4000.81	
10		160	1"	4.70	18.67	2987.70	
11		610	1"	3.90	15.49	9451.77	
12		4	1"	3.85	15.30	61.18	
13		6	1"	3.75	14.90	89.39	
14		4	1"	3.50	13.91	55.62	
15		4	1"	3.35	13.31	53.24	
16		4	1"	3.25	12.91	51.65	
17		260	1"	3.10	12.32	3202.24	
18		2	1"	3.00	11.92	23.84	
19		7	1"	2.90	11.52	80.65	
20		162	1"	2.80	11.12	1802.15	
21		2	1"	2.75	10.93	21.85	
22		156	1"	2.70	10.73	1673.43	
23		96	1"	2.00	7.95	762.82	
24		240	1"	1.30	5.16	1239.58	

Peso total barras 1" =79046.41 kg

PROYECTO ERON -CONSORCIO FUNDACION 2020
SANIDAD-204113

LISTADO PARA ESTRIBADORA

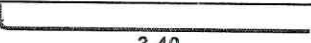
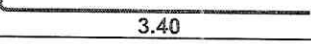
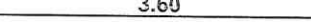
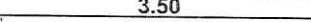
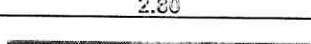
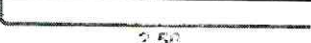
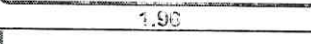
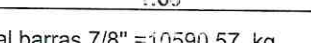
Lista de barras 7/8"

	DIAGRAMA	CANT.	DIAM.	LONG (m)	P. Unit	PESO TOTAL	UBICACION
25	12.00	S 20	7/8"	12.00	36.50	730.08	
26	0.35	3	7/8"	8.70	26.47	79.40	
27	0.35	3	7/8"	8.20	24.94	74.83	
28	0.35	2	7/8"	8.10	24.64	49.28	
29	0.35	3	7/8"	7.95	24.18	72.55	
30	0.35	3	7/8"	7.80	23.73	71.18	
31	0.35	3	7/8"	7.75	23.58	70.73	
32	0.35	2	7/8"	7.75	23.58	47.15	
33	0.35	12	7/8"	7.50	22.82	273.78	
34	0.35	3	7/8"	7.45	22.66	67.99	
35	0.35	2	7/8"	7.35	22.36	44.72	
36	0.35	3	7/8"	7.30	22.21	66.62	
37	0.35	3	7/8"	6.90	20.99	62.97	
38	0.35	2	7/8"	6.75	20.53	41.07	
39	0.35	4	7/8"	6.50	19.77	79.09	
40	0.35	3	7/8"	6.45	19.62	58.86	
41	0.35	3	7/8"	6.35	19.32	57.95	
42	0.35	1	7/8"	6.15	18.71	18.71	
43	0.35	3	7/8"	6.00	18.25	54.76	
44	0.35	3	7/8"	5.85	17.80	53.39	
45	0.35	10	7/8"	5.00	15.21	152.10	
46	0.35	3	7/8"	4.75	14.45	43.35	
47	0.35	10	7/8"	4.55	13.84	138.41	
48	0.35	2	7/8"	3.95	12.02	24.03	
49	0.35	10	7/8"	3.80	11.56	115.60	

PROYECTO ERON -CONSORCIO FUNDACION 2020

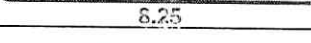
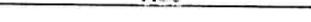
SANIDAD-204113

LISTADO PARA ESTRIBADORA

	DIAGRAMA	CANT.	DIAM.	LONG (m)	P. Unit	PESO TOTAL	UBICACION
50	0.40  3.40	160	7/8"	3.80	11.56	1849.54	
51	 3.75	45	7/8"	3.75	11.41	513.34	
52	0.35  3.40	2	7/8"	3.75	11.41	22.82	
53	 3.60	4	7/8"	3.60	10.95	43.80	
54	 3.50	10	7/8"	3.50	10.65	106.47	
55	0.35  2.80 0.35	72	7/8"	3.50	10.65	766.58	
56	 3.25	4	7/8"	3.25	9.89	39.55	
57	 3.15	2	7/8"	3.15	9.58	19.16	
58	 3.10	4	7/8"	3.10	9.43	37.72	
59	 2.90	4	7/8"	2.90	8.82	35.29	
60	0.35  2.55	1	7/8"	2.90	8.82	8.82	
61	0.35  2.50	4	7/8"	2.85	8.67	34.68	
62	0.35  1.90 0.35	156	7/8"	2.60	7.91	1233.84	
63	0.35  1.60 0.35	476	7/8"	2.30	7.00	3330.38	

Peso total barras 7/8" =10590.57 kg

Lista de barras 3/4"

64	 12.00	S	50	3/4"	12.00	26.82	1341.00	
65	0.30  8.25		8	3/4"	8.55	19.11	152.87	
66	 8.30		6	3/4"	8.30	18.55	111.30	
67	 8.10		6	3/4"	8.10	18.10	108.62	
68	 7.90		2	3/4"	7.90	17.66	35.31	
69	 7.60		4	3/4"	7.60	16.99	67.94	
70	 7.35		3	3/4"	7.35	16.43	49.28	
71	 7.30		3	3/4"	7.30	16.32	48.95	
72	 7.25		20	3/4"	7.25	16.20	324.07	

PROYECTO ERON -CONSORCIO FUNDACION 2020

SANIDAD-204113

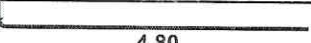
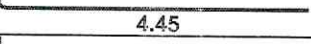
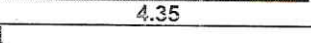
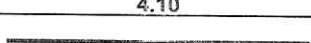
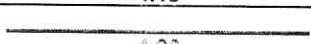
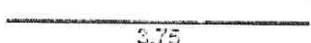
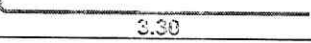
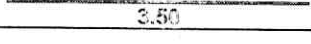
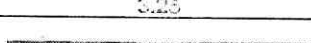
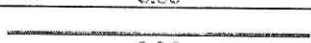
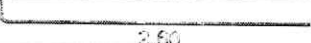
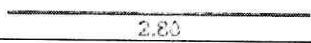
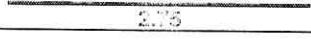
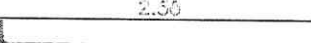
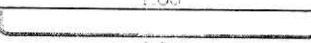
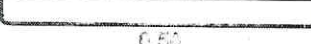
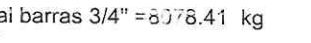
LISTADO PARA ESTRIBADORA

	DIAGRAMA	CANT.	DIAM.	LONG (m)	P. Unit	PESO TOTAL	UBICACION
73	7.20	3	3/4"	7.20	16.09	48.28	
74	0.30	3	3/4"	7.20	16.09	48.28	
75	6.85	3	3/4"	7.15	15.98	47.94	
76	7.00	3	3/4"	7.00	15.64	46.93	
77	6.95	3	3/4"	6.95	15.53	46.60	
78	6.90	3	3/4"	6.90	15.42	46.26	
79	0.30	4	3/4"	6.90	15.42	61.69	
80	6.85	14	3/4"	6.85	15.31	214.34	
81	6.75	4	3/4"	6.75	15.09	60.34	
82	0.30	3	3/4"	6.75	15.09	45.26	
83	6.70	3	3/4"	6.70	14.97	44.92	
84	6.65	3	3/4"	6.65	14.86	44.59	
85	0.30	3	3/4"	6.60	14.75	44.25	
86	6.55	3	3/4"	6.55	14.64	43.92	
87	0.30	6	3/4"	6.55	14.64	87.84	
88	6.50	2	3/4"	6.50	14.53	29.05	
89	6.40	6	3/4"	6.40	14.30	85.82	
90	0.30	22	3/4"	6.30	14.08	309.77	
91	6.20	6	3/4"	6.20	13.86	83.14	
92	6.15	2	3/4"	6.15	13.75	27.49	
93	6.10	3	3/4"	6.10	13.63	40.90	
94	5.90	2	3/4"	5.90	13.19	26.37	
95	0.30	6	3/4"	5.85	13.07	78.45	
96	5.85	2	3/4"	5.85	13.07	26.37	
97	0.30	2	3/4"	5.50	12.29	24.58	
98	5.50	3	3/4"	5.35	11.96	35.87	

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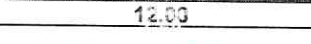
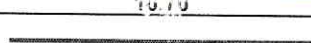
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LISTADO PARA ESTRIBADORA

	DIAGRAMA	CANT.	DIAM.	LONG (m)	P. Unit	PESO TOTAL	UBICACION
98	0.30 	3	3/4"	5.10	11.40	34.20	
99	0.30 	3	3/4"	4.95	11.06	33.19	
100	0.30 	3	3/4"	4.75	10.62	31.85	
101	0.30 	3	3/4"	4.65	10.39	31.18	
102	0.30 	20	3/4"	4.40	9.83	196.68	
103		6	3/4"	4.15	9.28	55.65	
104		2	3/4"	4.00	8.94	17.88	
105		3	3/4"	3.75	8.38	25.14	
106	0.30 	3	3/4"	3.60	8.05	24.14	
107		2	3/4"	3.50	7.82	15.64	
108		1	3/4"	3.25	7.26	7.26	
109		3	3/4"	3.00	6.70	20.11	
110		4	3/4"	2.90	6.48	25.93	
111	0.30 	4	3/4"	2.90	6.48	25.93	
112		2	3/4"	2.80	6.26	12.52	
113		6	3/4"	2.75	6.15	36.88	
114		2	3/4"	2.50	5.59	11.17	
115	0.30  0.30	476	3/4"	2.20	4.92	2340.49	
116	0.30  0.30	120	3/4"	1.80	4.02	482.76	
117	0.30  0.30	300	3/4"	1.10	2.46	737.55	

Peso total barras 3/4" = 8078.41 kg

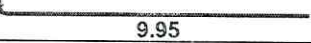
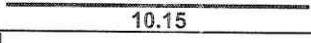
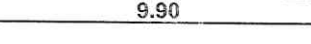
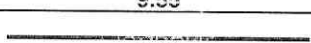
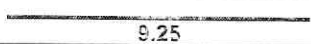
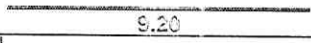
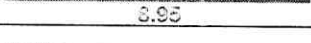
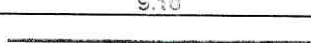
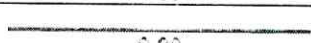
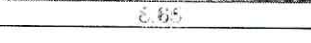
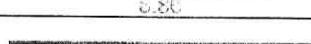
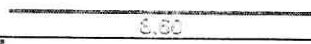
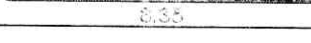
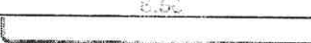
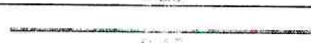
Lista de barras 5/8"

118	 12.00	S	50	5/8"	12.00	18.62	931.20	
119	 10.70		3	5/8"	10.70	16.61	49.82	
120	 10.60		3	5/8"	10.60	16.45	49.35	

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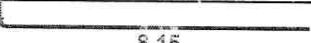
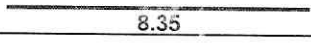
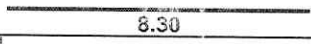
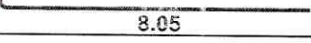
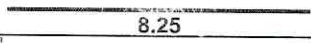
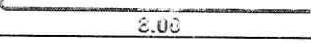
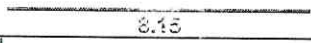
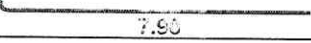
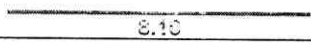
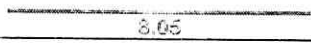
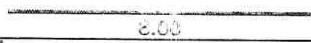
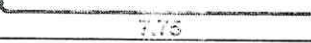
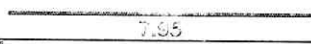
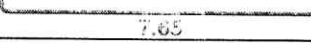
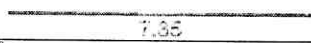
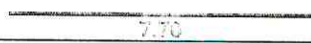
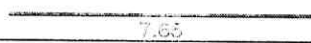
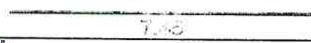
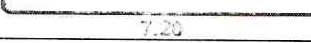
LISTADO PARA ESTRIBADORA

	DIAGRAMA	CANT.	DIAM.	LONG (m)	P. Unit	PESO TOTAL	UBICACION
121	0.25 	3	5/8"	10.20	15.83	47.49	
122		6	5/8"	10.15	15.75	94.52	
123	0.25 	3	5/8"	10.15	15.75	47.26	
124		3	5/8"	9.55	14.82	44.46	
125		3	5/8"	9.40	14.59	43.77	
126	0.25 	6	5/8"	9.40	14.59	87.53	
127		3	5/8"	9.25	14.36	43.07	
128		6	5/8"	9.20	14.28	85.67	
129	0.25 	3	5/8"	9.20	14.28	42.84	
130		3	5/8"	9.10	14.12	42.37	
131		12	5/8"	9.05	14.05	168.55	
132		S 6	5/8"	9.00	13.97	83.81	
133	0.25 	3	5/8"	9.00	13.97	41.90	
134		6	5/8"	8.90	13.81	82.88	
135	0.25 	3	5/8"	8.90	13.81	41.44	
136		3	5/8"	8.80	13.66	40.97	
137		6	5/8"	8.75	13.58	81.48	
138		6	5/8"	8.70	13.50	81.01	
139		9	5/8"	8.65	13.42	120.82	
140		6	5/8"	8.60	13.35	80.08	
141	0.25 	3	5/8"	8.60	13.35	40.04	
142		3	5/8"	8.50	13.19	39.58	
143	0.25 	3	5/8"	8.50	13.19	39.58	
144		6	5/8"	8.45	13.11	78.69	
145	0.25 	4	5/8"	8.45	13.11	52.46	

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	DIAGRAMA	CANT.	DIAM.	LONG (m)	P. Unit	PESO TOTAL	UBICACION
146	0.25 	12	5/8"	8.40	13.04	156.44	
147		3	5/8"	8.35	12.96	38.88	
148		3	5/8"	8.30	12.88	38.64	
149	0.25 	3	5/8"	8.30	12.88	38.64	
150		3	5/8"	8.25	12.80	38.41	
151	0.25 	3	5/8"	8.25	12.80	38.41	
152		3	5/8"	8.15	12.65	37.95	
153	0.25 	3	5/8"	8.15	12.65	37.95	
154		3	5/8"	8.10	12.57	37.71	
155		3	5/8"	8.05	12.49	37.48	
156		3	5/8"	8.00	12.42	37.25	
157	0.25 	9	5/8"	8.00	12.42	111.74	
158		3	5/8"	7.95	12.34	37.02	
159	0.25 	3	5/8"	7.90	12.26	36.78	
160		3	5/8"	7.85	12.18	36.55	
161	0.25 	6	5/8"	7.85	12.18	73.10	
162		9	5/8"	7.75	12.03	108.25	
163		3	5/8"	7.70	11.95	35.85	
164		12	5/8"	7.65	11.87	142.47	
165		6	5/8"	7.60	11.80	70.77	
166		3	5/8"	7.55	11.72	35.15	
167	0.25 	3	5/8"	7.55	11.72	35.15	
168		6	5/8"	7.50	11.64	69.84	
169		6	5/8"	7.45	11.56	69.37	
170	0.25 	3	5/8"	7.45	11.56	34.69	

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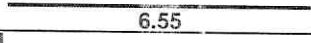
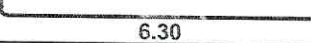
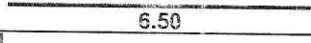
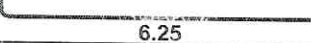
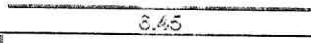
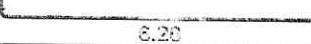
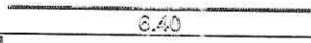
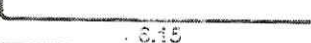
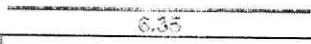
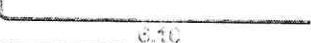
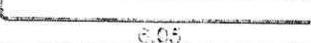
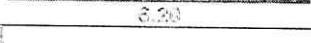
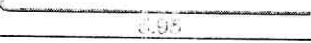
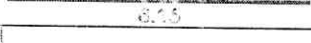
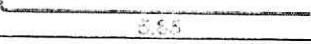
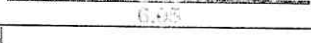
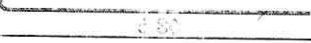
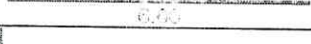
LISTADO PARA ESTRIBADORA

	DIAGRAMA	CANT.	DIAM.	LONG (m)	P. Unit	PESO TOTAL	UBICACION
171	7.40	3	5/8"	7.40	11.48	34.45	
172	0.25 7.05	3	5/8"	7.30	11.33	33.99	
173	7.25	6	5/8"	7.25	11.25	67.51	
174	0.25 7.00	3	5/8"	7.25	11.25	33.76	
175	7.20	6	5/8"	7.20	11.17	67.05	
176	0.25 6.90	3	5/8"	7.15	11.10	33.29	
177	7.10	6	5/8"	7.10	11.02	66.12	
178	0.25 6.85	16	5/8"	7.10	11.02	176.31	
179	7.05	3	5/8"	7.05	10.94	32.82	
180	0.25 6.80	6	5/8"	7.05	10.94	65.65	
181	0.25 6.75	23	5/8"	7.00	10.86	249.87	
182	0.25 6.70	6	5/8"	6.95	10.79	64.72	
183	6.90	16	5/8"	6.90	10.71	171.34	
184	0.25 6.85	9	5/8"	6.90	10.71	96.38	
185	6.85	6	5/8"	6.85	10.63	63.79	
186	0.25 6.80	3	5/8"	6.85	10.63	31.89	
187	6.80	3	5/8"	6.80	10.55	31.66	
188	0.25 6.85	7	5/8"	6.80	10.55	73.88	
189	6.75	6	5/8"	6.75	10.48	62.86	
190	0.25 6.80	8	5/8"	6.75	10.48	83.81	
191	0.25 6.75	3	5/8"	6.70	10.40	31.20	
192	6.65	12	5/8"	6.65	10.32	123.85	
193	0.25 6.60	9	5/8"	6.65	10.32	92.89	
194	0.25 6.60	3	5/8"	6.61	10.26	30.78	
195	6.60	9	5/8"	6.60	10.24	92.19	

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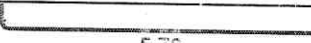
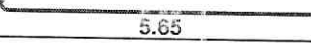
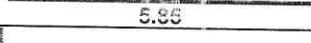
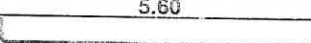
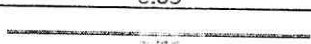
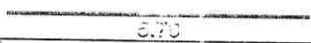
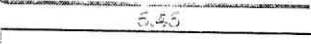
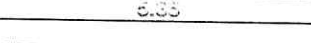
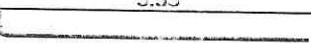
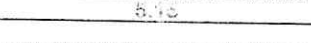
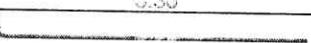
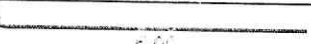
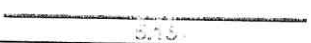
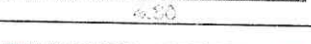
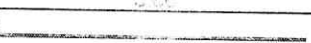
LISTADO PARA ESTRIBADORA

	DIAGRAMA	CANT.	DIAM.	LONG (m)	P. Unit	PESO TOTAL	UBICACION
196	0.25 	12	5/8"	6.60	10.24	122.92	
197		6	5/8"	6.55	10.17	60.99	
198	0.25 	7	5/8"	6.55	10.17	71.16	
199		9	5/8"	6.50	10.09	90.79	
200	0.25 	22	5/8"	6.50	10.09	221.94	
201		3	5/8"	6.45	10.01	30.03	
202	0.25 	6	5/8"	6.45	10.01	60.06	
203		6	5/8"	6.40	9.93	59.60	
204	0.25 	3	5/8"	6.40	9.93	29.80	
205		22	5/8"	6.35	9.86	216.81	
206	0.25 	6	5/8"	6.35	9.86	59.13	
207		3	5/8"	6.30	9.78	29.33	
208	0.25 	3	5/8"	6.30	9.78	29.33	
209		20	5/8"	6.25	9.70	194.00	
210		6	5/8"	6.20	9.62	57.73	
211	0.25 	8	5/8"	6.20	9.62	76.98	
212		12	5/8"	6.15	9.54	114.54	
213	0.25 	15	5/8"	6.15	9.54	143.17	
214		6	5/8"	6.10	9.47	56.80	
215	0.25 	6	5/8"	6.10	9.47	56.80	
216		3	5/8"	6.05	9.39	28.17	
217	0.25 	14	5/8"	6.05	9.39	131.45	
218		10	5/8"	6.00	9.31	93.12	
219	0.25 	28	5/8"	6.00	9.31	260.74	
220		18	5/8"	5.95	9.23	166.22	

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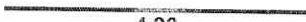
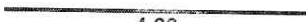
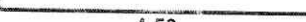
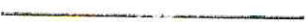
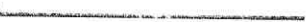
LISTADO PARA ESTRIBADORA

	DIAGRAMA	CANT.	DIAM.	LONG (m)	P. Unit	PESO TOTAL	UBICACION
221	0.25 						
	5.70	13	5/8"	5.95	9.23	120.05	
222							
	5.90	3	5/8"	5.90	9.16	27.47	
223	0.25 						
	5.65	7	5/8"	5.90	9.16	64.10	
224							
	5.85	3	5/8"	5.85	9.08	27.24	
225	0.25 						
	5.60	6	5/8"	5.85	9.08	54.48	
226	0.25 						
	5.55	22	5/8"	5.80	9.00	198.04	
227							
	5.75	6	5/8"	5.75	8.92	53.54	
228	0.25 						
	5.50	6	5/8"	5.75	8.92	53.54	
229							
	5.75	8	5/8"	5.70	8.85	70.77	
230	0.25 						
	5.45	4	5/8"	5.70	8.85	35.39	
231	0.25 						
	5.35	6	5/8"	5.60	8.69	52.15	
232							
	5.55	3	5/8"	5.55	8.61	25.84	
233	0.25 						
	5.30	11	5/8"	5.55	8.61	94.75	
234							
	5.50	3	5/8"	5.50	8.54	25.61	
235	0.25 						
	5.25	6	5/8"	5.50	8.54	51.22	
236	0.25 						
	5.20	20	5/8"	5.45	8.46	169.17	
237	0.25 						
	5.15	3	5/8"	5.40	8.38	25.14	
238							
	5.30	6	5/8"	5.30	8.23	49.35	
239	0.25 						
	5.05	6	5/8"	5.30	8.23	49.35	
240	0.25 						
	5.00	3	5/8"	5.25	8.15	24.44	
241							
	5.15	6	5/8"	5.15	7.99	47.96	
242	0.25 						
	4.95	9	5/8"	5.10	7.92	71.24	
243	0.25 						
	4.80	3	5/8"	5.05	7.84	23.51	
244							
	5.00	3	5/8"	5.00	7.76	23.28	
245	0.25 						
	4.75	3	5/8"	5.00	7.76	23.28	

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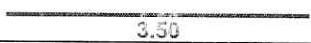
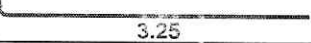
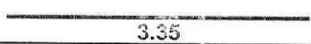
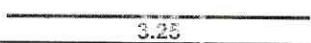
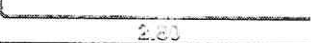
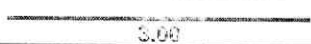
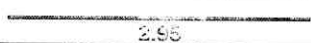
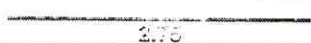
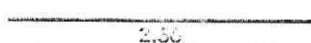
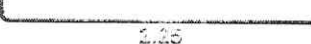
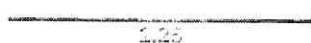
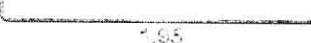
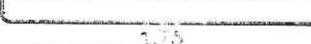
LISTADO PARA ESTRIBADORA

	DIAGRAMA	CANT.	DIAM.	LONG (m)	P. Unit	PESO TOTAL	UBICACION
246		3	5/8"	4.90	7.60	22.81	
247		3	5/8"	4.80	7.45	22.35	
248	0.25 	3	5/8"	4.80	7.45	22.35	
249	0.25 	19	5/8"	4.75	7.37	140.07	
250		3	5/8"	4.70	7.29	21.88	
251	0.25 	2	5/8"	4.70	7.29	14.59	
252		20	5/8"	4.60	7.14	142.78	
253	0.25 	3	5/8"	4.60	7.14	21.42	
254		19	5/8"	4.55	7.06	134.17	
255		2	5/8"	4.50	6.98	13.97	
256	0.25 	3	5/8"	4.50	6.98	20.95	
257		4	5/8"	4.35	6.75	27.00	
258		2	5/8"	4.25	6.60	13.19	
259	0.25 	21	5/8"	4.25	6.60	138.52	
260		2	5/8"	4.20	6.52	13.04	
261	0.25 	3	5/8"	4.15	6.44	19.32	
262		3	5/8"	4.05	6.29	18.86	
263	0.25 	3	5/8"	4.05	6.29	18.86	
264		2	5/8"	4.00	6.21	12.42	
265		5	5/8"	3.90	6.05	30.26	
266		2	5/8"	3.75	5.82	11.64	
267	0.25 	3	5/8"	3.75	5.82	17.46	
268		1	5/8"	3.65	5.66	5.66	
269		10	5/8"	3.60	5.59	55.87	
270	0.25 	3	5/8"	3.55	5.51	16.53	

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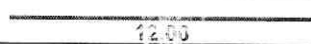
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LISTADO PARA ESTRIBADORA

	DIAGRAMA	CANT.	DIAM.	LONG (m)	P. Unit	PESO TOTAL	UBICACION
271		6	5/8"	3.50	5.43	32.59	
272	0.25 	6	5/8"	3.50	5.43	32.59	
273		3	5/8"	3.35	5.20	15.60	
274		4	5/8"	3.25	5.04	20.18	
275	0.25 	6	5/8"	3.15	4.89	29.33	
276	0.25 	3	5/8"	3.05	4.73	14.20	
277		19	5/8"	3.00	4.66	88.46	
278		4	5/8"	2.95	4.53	18.31	
279		12	5/8"	2.75	4.27	51.22	
280	0.25 	2	5/8"	2.65	4.11	8.23	
281		3	5/8"	2.60	4.04	12.11	
282		13	5/8"	2.50	3.88	50.44	
283	0.25 	2	5/8"	2.50	3.88	7.76	
284		2	5/8"	2.25	3.49	6.98	
285	0.25 	2	5/8"	2.20	3.41	6.83	
286		6	5/8"	2.00	3.10	18.62	
287	0.25 	1	5/8"	2.00	3.10	3.10	

Peso total barras 5/8" = 11344.24 kg

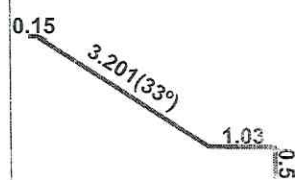
Lista de barras 1/2"

288		S	100	1/2"	12.00	11.93	1192.80	92.
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PROYECTO ERON -CONSORCIO FUNDACION 2020

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LISTADO PARA ESTRIBADORA

DIAGRAMA	CANT.	DIAM.	LONG (m)	P. Unit	PESO TOTAL	UBICACION
						
289	8	1/2"	4.881	4.85	38.82	
290	2	1/2"	4.60	4.57	9.14	
291	2	1/2"	4.00	3.98	7.95	
292	15	1/2"	3.75	3.73	55.91	
293	1	1/2"	3.50	3.48	3.48	
294	2	1/2"	3.35	3.33	6.66	
295	10	1/2"	3.00	2.98	29.82	
296	4	1/2"	2.75	2.73	10.93	
297	3	1/2"	2.50	2.49	7.45	
298	2	1/2"	2.50	2.49	4.97	
299	9	1/2"	2.25	2.24	20.13	
300	2	1/2"	2.25	2.24	4.47	
301	8	1/2"	2.20	2.19	17.49	
302	8	1/2"	2.003	1.99	15.93	

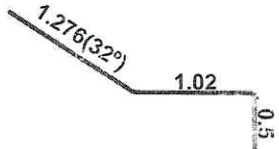
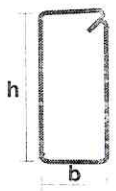
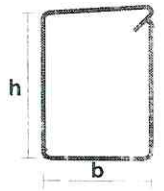
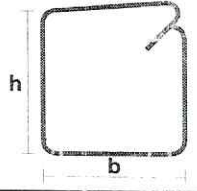
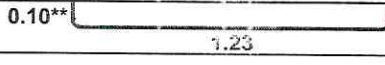
Peso total barras 1/2" =1425.96 kg

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LISTADO PARA ESTRIBADORA

Lista de barras 3/8"

	DIAGRAMA	CANT.	DIAM.	LONG (m)	P. Unit	PESO TOTAL	UBICACION
303		S 100	3/8"	12.00	6.72	672.00	
304		8	3/8"	2.796	1.57	12.53	
305	 b=0.32 h=0.72 g=0.12	6865	3/8"	2.32	1.30	8919.01	
306	 b=0.45 h=0.60 g=0.10	428	3/8"	2.30	1.29	551.26	
307	 b=0.32 h=0.32 g=0.12	144	3/8"	1.52	.85	122.57	
308		26	3/8"	1.43	.80	20.82	
309	 b=0.25 h=0.35 g=0.10	4444	3/8"	1.40	.78	3484.10	

**** Gancho por fuera de norma aplicado bajo responsabilidad del usuario**

TERMINAL COMPOSITION AND MECHANICAL PROPERTIES FOR HEAT PLUNGER

[illegible]

THE UNIVERSITY OF CHICAGO