



S.A.S ZOMAC
27 5656 - (575) 376 4000

IMPORTANTE!

Por seguridad realice sus pagos a través
De la Cuenta Corriente Banco de Occidente
No. 516 809282 o Convenio Efecty 10882
a nombre de LDCA S.A.S ZOMAC
REGIMEN COMÚN
Calle 15 Carrera 21 - 05 Carmen Maicao - La Guajira
ACTIVIDAD ECONOMICA 4663
¡Recuadro: El dinero en efectivo al
Asesor o a un tercero será 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.: PA2L60

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		
204104		PLMO		0160		
ITEM	CODIGO	CANTIDAD	DESCRIPCION	PESO	Vr. Unitario	Vr Total
1	00100050	3795.45	(KG) HIER. FIGURADO 1/2	3795.45	2.750	10.437.48

DESPACHADO

2020 Dic. 28

DOCE MILLONES CUATROCIENTOS VEINTE MIL SEISCIENTOS DIEZ PESOS MCTE CON 13/100		SUBTOTAL	10.437.487,5
Observaciones: OBRA: PROYECTO CARCEL MAGDALENA UBICACION PALMA DE VINO Y SE DESPACHA DE DIAMETRO DE 1/2 ITEM 74-93-95-103		SEGURO FLETES	
Direccion de Entrega:		RETEIVA	
		I.V.A.	1.983.122,6

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

TOTAL \$	12.420.610,1
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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, codigo recaudo No. 021804

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 772 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: 6af8c2d19bdf2ce183b0f15cb06e7c984649dbef7f47ab16bc62b7ae69a8fc5ca5dbdf6b54e3064f4f3cceb7fb22a2b1

Representación Impresa de la Factura



PROYECTO ERON -CONSORCIO FUNCACIÓN 2020

ACOPIO CIM.-204104

RESUMEN TOTAL

RESUMEN DE PESOS DOBLADORA

DIAMETRO	Fy (Mpa)	LONGITUD (m)	PESO (kg)
1"	420	56.8	225.47
7/8"	420	181.0	550.60
3/4"	420	1,547.0	3457.59
5/8"	420	4,562.4	7080.83
1/2"	420	4,014.0	3989.89
3/8"	420	14,118.1	7906.12
TOTAL DOBLADORA			23210.50

RESUMEN DE PESOS BARRAS ESTANDAR

DIAMETRO	Fy (Mpa)	LONGITUD (m)	CANTIDAD	PESO (kg)
3/4"	420	6.00	2.0	26.82
5/8"	420	12.00	38.0	707.71
5/8"	420	9.00	8.0	111.74
5/8"	420	6.00	3.0	27.94
1/2"	420	12.00	32.0	381.70
TOTAL ESTANDAR				1255.80

RESUMEN DE PESOS MALLAS ELECTROSOLDADAS ESTANDAR

MALLA	CANTIDAD	PESO (kg)
XX-188	81	3418.20
XX-221	20	992.00
TOTAL MALLAS ESTANDAR		4410.20

PESO TOTAL DEL PEDIDO = 28876.50 kg

PROYECTO ERON -CONSORCIO FUNCACIÓN 2020
ACOPIO CIM.-204104

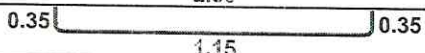
LISTADO PARA ESTRIBADORA

Lista de barras 1"

	DIAGRAMA	CANT.	DIAM.	LONG (m)	P. Unit	PESO TOTAL	UBICACION
1		1	1"	4.25	16.89	16.89	
2		6	1"	4.00	15.89	95.35	
3		2	1"	3.75	14.90	29.80	
4		6	1"	3.50	13.91	83.43	

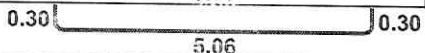
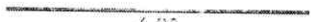
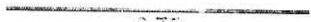
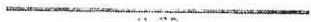
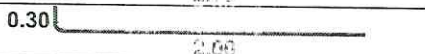
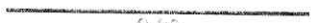
Peso total barras 1" =225.47 kg

Lista de barras 7/8"

5		1	7/8"	4.00	12.17	12.17	
6		16	7/8"	3.50	10.65	170.35	
7		2	7/8"	2.70	8.21	16.43	
8		6	7/8"	2.00	6.08	36.50	
9		56	7/8"	1.85	5.63	315.15	

Peso total barras 7/8" =550.60 kg

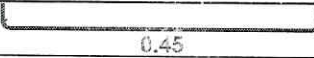
Lista de barras 3/4"

10		6	3/4"	7.10	15.87	95.21	
11		2	3/4"	6.00	13.41	26.82	
12		132	3/4"	5.66	12.65	1669.81	
13		11	3/4"	4.50	10.06	110.63	
14		9	3/4"	4.25	9.50	85.49	
15		3	3/4"	4.00	8.94	26.82	
16		1	3/4"	3.75	8.38	8.38	
17		9	3/4"	3.50	7.82	70.40	
18		8	3/4"	2.70	6.03	48.28	
19		2	3/4"	2.30	5.14	10.28	
20		3	3/4"	2.00	4.47	13.41	
21		114	3/4"	1.75	3.91	445.88	

PROYECTO ERON -CONSORCIO FUNCACIÓN 2020

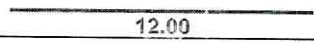
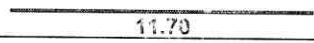
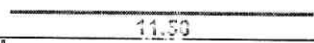
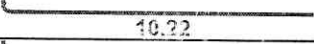
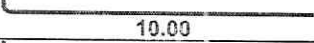
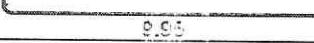
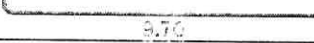
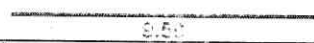
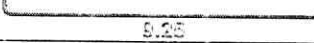
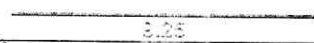
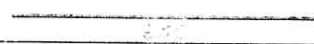
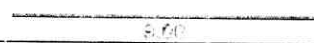
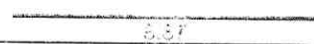
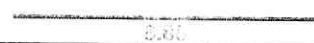
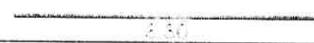
ACOPIO CIM.-204104

LISTADO PARA ESTRIBADORA

	DIAGRAMA	CANT.	DIAM.	LONG (m)	P. Unit	PESC TOTAL	UBICACION
22	0.30  0.30	372	3/4"	1.05	2.35	872.99	

Peso total barras 3/4" =3484.41 kg

Lista de barras 5/8"

23	 S	38	5/8"	12.00	18.62	707.71	
24		3	5/8"	11.70	18.16	54.48	
25		4	5/8"	11.50	17.85	71.39	
26	0.25  0.25	3	5/8"	10.47	16.25	48.75	
27	0.25  0.25	3	5/8"	10.25	15.91	47.72	
28	0.25  0.25	3	5/8"	10.20	15.83	47.49	
29		10	5/8"	10.00	15.52	155.20	
30	0.25  0.25	3	5/8"	9.95	15.44	46.33	
31		6	5/8"	9.50	14.74	88.46	
32	0.25  0.25	3	5/8"	9.50	14.74	44.23	
33		6	5/8"	9.25	14.36	86.14	
34	0.25  0.25	3	5/8"	9.25	14.36	43.07	
35	0.25  0.25	33	5/8"	9.22	14.31	472.21	
36		3	5/8"	9.10	14.12	42.37	
37	 S	8	5/8"	9.00	13.97	111.74	
38	0.25  0.25	42	5/8"	9.00	13.97	586.66	
39		3	5/8"	8.67	13.77	41.30	
40		3	5/8"	8.85	13.74	41.21	
41		3	5/8"	8.80	13.66	40.97	
42		6	5/8"	8.75	13.58	67.90	
43		22	5/8"	8.50	13.19	290.22	
44		3	5/8"	8.30	12.88	38.64	



PROYECTO ERON -CONSORCIO FUNCACIÓN 2020

ACOPIO CIM.-204104

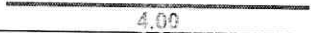
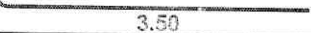
LISTADO PARA ESTRIBADORA

	DIAGRAMA	CANT.	DIAM.	LONG (m)	P. Unit	PESO TOTAL	UBICACION
45	8.25	9	5/8"	8.25	12.80	115.24	
46	0.25 8.00	42	5/8"	8.25	12.80	537.77	
47	0.25 7.87	3	5/8"	8.12	12.60	37.81	
48	8.00	21	5/8"	8.00	12.42	260.74	
49	0.25 7.75	33	5/8"	8.00	12.42	409.73	
50	7.88	3	5/8"	7.88	12.23	36.69	
51	7.50	21	5/8"	7.50	11.64	244.44	
52	0.25 7.25	3	5/8"	7.50	11.64	34.92	
53	7.25	4	5/8"	7.25	11.25	45.01	
54	7.20	4	5/8"	7.20	11.17	44.70	
55	7.00	17	5/8"	7.00	10.86	184.69	
56	0.25 6.75	4	5/8"	7.00	10.86	43.46	
57	6.75	10	5/8"	6.75	10.48	104.76	
58	6.60	3	5/8"	6.63	10.29	30.87	
59	6.50	3	5/8"	6.50	10.09	30.26	
60	6.25	7	5/8"	6.25	9.70	67.90	
61	6.00	3	5/8"	6.00	9.31	27.94	
62	0.25 5.85	3	5/8"	5.85	9.08	27.24	
63	5.75	6	5/8"	5.75	8.92	53.54	
64	0.25 5.56 0.25	132	5/8"	5.56	8.63	1139.04	
65	5.50	6	5/8"	5.50	8.54	51.22	
66	0.25 5.25	30	5/8"	5.50	8.54	281.69	
67	0.25 5.00	37	5/8"	5.25	8.15	301.48	
68	4.25	5	5/8"	4.25	6.60	32.98	
69	0.25 4.00	73	5/8"	4.25	6.60	481.51	

PROYECTO ERON -CONSORCIO FUNCACIÓN 2020

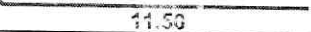
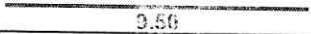
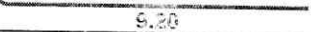
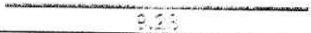
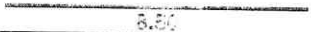
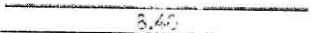
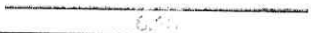
ACOPIO CIM.-204104

LISTADO PARA ESTRIBADORA

	DIAGRAMA	CANT.	DIAM.	LONG (m)	P. Unit	PESO TOTAL	UBICACION
70		10	5/8"	4.00	6.21	62.08	
71		2	5/8"	3.75	5.82	11.64	
72	0.25 	7	5/8"	3.75	5.82	40.74	
73	0.25 	3	5/8"	3.00	4.66	13.97	

Peso total barras 5/8" =7928.22 kg

Lista de barras 1/2"

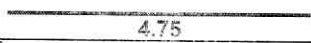
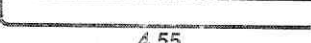
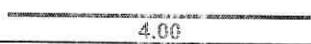
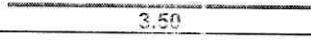
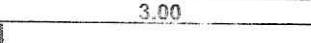
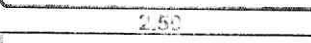
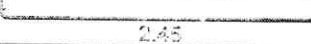
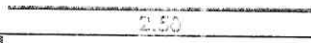
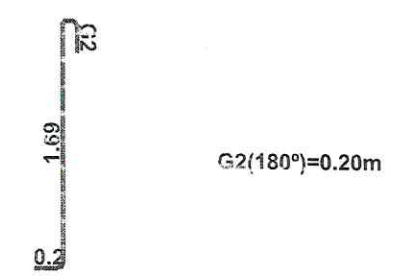
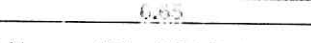
74		S	32	1/2"	12.00	11.93	381.70	
75	0.20 		8	1/2"	12.00	11.93	95.42	
76	0.20 		1	1/2"	11.70	11.63	11.63	
77			4	1/2"	9.50	9.44	37.77	
78	0.20 		8	1/2"	9.40	9.34	74.75	
79			4	1/2"	9.28	9.22	36.90	
80			4	1/2"	8.50	8.45	33.80	
81			4	1/2"	8.40	8.35	33.40	
82			4	1/2"	8.02	7.97	31.89	
83			4	1/2"	8.00	7.95	31.81	
84	0.20 		156	1/2"	8.00	7.95	1240.51	
85	0.15** 	0.15**	8	1/2"	7.83	7.78	62.26	
86	0.15** 	0.15**	18	1/2"	7.02	6.98	111.65	
87			1	1/2"	6.50	6.46	6.46	
88	0.20 		4	1/2"	6.50	6.46	25.84	
89			4	1/2"	6.10	6.06	24.25	
90			4	1/2"	5.40	5.37	21.47	
91			2	1/2"	5.25	5.22	10.44	
92	0.20 		82	1/2"	5.00	4.97	407.54	

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

PROYECTO ERON -CONSORCIO FUNCACIÓN 2020

ACOPIO CIM.-204104

LISTADO PARA ESTRIBADORA

	DIAGRAMA	CANT.	DIAM.	LONG (m)	P. Unit	PESO TOTAL	UBICACION
93		1	1/2"	4.75	4.72	4.72	
94	0.20 	78	1/2"	4.75	4.72	368.28	
95		3	1/2"	4.00	3.98	23.86	
96		1	1/2"	3.50	3.48	3.48	
97		7	1/2"	3.00	2.98	20.87	
98	0.20 	2	1/2"	2.70	2.68	5.37	
99	0.20 	2	1/2"	2.65	2.63	5.27	
100		84	1/2"	2.50	2.49	208.74	
101	0.20 	2	1/2"	2.20	2.19	4.37	
							
102		148	1/2"	2.09	2.08	307.46	
103	0.20 	256	1/2"	2.09	2.08	531.83	
104		1	1/2"	2.00	1.99	1.99	
105	0.15** 	218	1/2"	0.95	.94	205.86	

Peso total barras 1/2" =4371.58 kg

Lista de barras 3/8"

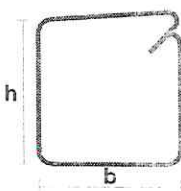
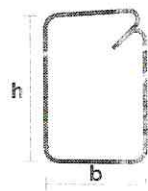
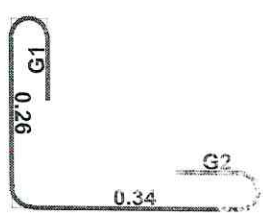
106	0.10** 	22	3/8"	9.00	5.04	110.88	
107		24	3/8"	7.00	3.92	94.08	
108	0.10** 	22	3/8"	6.51	3.65	80.20	
109		48	3/8"	6.16	3.45	165.58	

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

PROYECTO ERON -CONSORCIO FUNCACIÓN 2020

ACOPIO CIM.-204104

LISTADO PARA ESTRIBADORA

	DIAGRAMA	CANT.	DIAM.	LONG (m)	P. Unit	PESC TOTAL	UBICACION
110	 b=0.32 h=0.32 g=0.10	3038	3/8"	1.48	.83	2517.89	
111	 b=0.22 h=0.32 g=0.10	2277	3/8"	1.28	.72	1632.15	
112		48	3/8"	1.20	.67	32.26	
113	 b=0.07 h=0.32 g=0.10	3018	3/8"	0.98	.55	1656.28	
114		297	3/8"	0.92	.52	153.01	
115	 G1(180°)=0.10m** G2(180°)=0.10m**	76	3/8"	0.80	.45	34.05	
116	 h=0.33 g=0.10	2112	3/8"	0.53	.30	626.84	

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

HA

HEAT TREATING VS. IN ASIA SANAYI A.S.

MILL'S TEST CERTIFICATE

REF: 2140002

DATE NO: 2207-1235-34

QUALITY: HTU 200 (2015) (COOR/EC COMPONENTS CO-ORSHED),

RECEIVED: 100 (100) (COOR/EC CERTIFICATES CO-ORSHED), GRADE: B

SIZE:

REMARK: IN COIL 12

WE CERTIFY THAT RADIOACTIVITY LEVELS ARE WITHIN THE LIMITS SPECIFIED IN THE LOW ALLOY STEEL MANUFACTURE BARS IN COILS (REBAR IN COILS)

AND SAFE FOR NORMAL USE AND FREE FROM ALL TYPES OF RADIOACTIVE MATERIAL

ACCORDING TO EN 10204 TYPE 3.1

CHEMICAL COMPOSITION AND MECHANICAL PROPERTIES FOR HEAT NUMBER

HEAT NUMBER	%C	%Mn	%P	%S	%Si	%Cu	%Al	%Nb	Cross Section Area	Yield Point	Tensile str.	Ratio	Rebar %	Rebar Test
OF TEST									mm ²	M/mm ²	N/mm ²	%		
GOODS														
2002-2-001-01	0.253	0.024	0.003	0.004	0.004	0.003	0.005	0.005	120.3	375.6	552.5	1.333	17.80	OK
									111.2	400.2	600.5	1.334	18.00	OK
									120.7	375.4	600.9	1.342	17.00	OK
2002-2-001-02	0.255	0.020	0.002	0.002	0.004	0.003	0.009	0.009	120.2	375.2	600.2	1.346	18.20	OK
									119.2	400.2	600.4	1.351	17.80	OK
									120.9	375.7	600.8	1.345	18.10	OK

REBAR 2002-2-001-01
SARIN A.S.