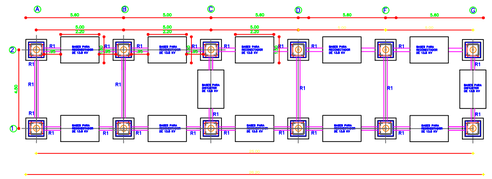
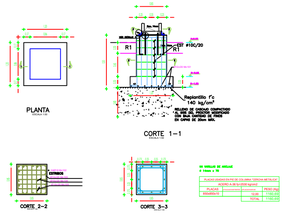
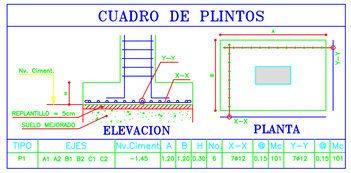


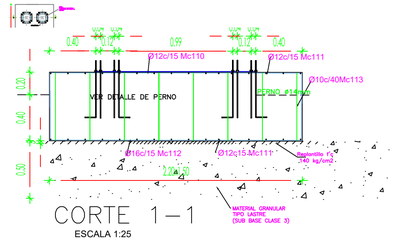
PLANTA DE CIMENTACION
ESCALA = 1:100



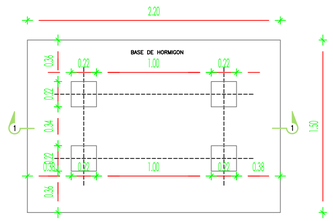
BASE PARA ESTRUCTURA DE PORTICO 13.8 Kv (12 unidades)
ESCALA = 1:50



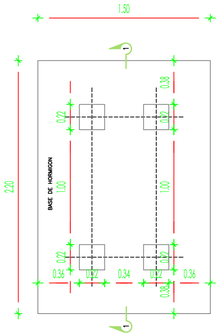
CADENA DE AMARRE
ESCALA 1:50



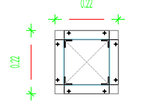
CORTE 1—1
ESCALA 1:25



PLANTA
ESCALA 1:25



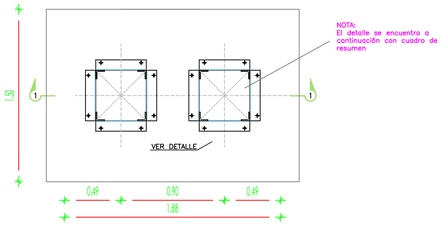
PLANTA
ESCALA 1:25



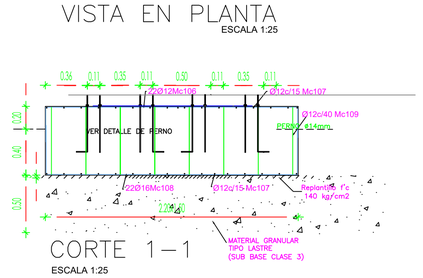
DETALLE
ESCALA 1:10

192 VARILLAS DE ANCLAJE
ø 14mm x 70

PLACAS USADAS PARA RECONECTORES			
ACERO A-36 fy=2530 kg/cm2			
PLACAS	# PLACAS EXISTENTES	# PLACAS NUEVAS	PESO (Kg)
220x220x10		24.00	207.12
		TOTAL	207.12

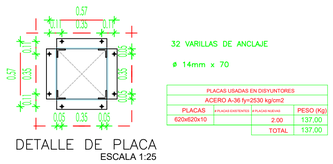


VISTA EN PLANTA
ESCALA 1:25



CORTE 1—1
ESCALA 1:25

BASE PARA DISYUNTOR DE PORTICO 13.8 Kv (2 unidades)
ESCALA = 1:50



DETALLE DE PLACA
ESCALA 1:25

32 VARILLAS DE ANCLAJE
ø 14mm x 70

PLACAS USADAS EN DISYUNTORES			
ACERO A-36 fy=2530 kg/cm2			
PLACAS	# placas existentes	# placas nuevas	PESO (Kg)
620x620x10		2.00	137.00
		TOTAL	137.00

PLANILLA DE ACEROS

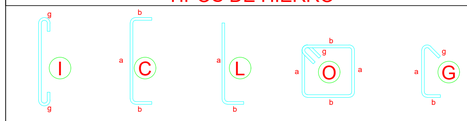
Mc	TIPO	Ø mm	No.	DIMENSIONES a	b	c	g	LONG. Desar. (m)	LONG. TOTAL m	PESO (Kg)	Observ.
MARCAS 100											
BASES PARA ESTRUCTURA DE PÓRTICO											
101	I	12	112	1.10	0.00	0.00	.08	1.26	141.12	125.31	Observacion
102	L	18	192	1.35	.20	0.00	.08	1.63	312.96	625.92	Observacion
103	O	10	56	0.75	0.75	0.00	.08	3.16	176.96	109.18	Observacion
104	I	10	112	1.10	0.00	0.00	.08	1.26	141.12	87.07	Observacion
105	O	10	112	1.10	0.20	0.00	.08	2.76	309.12	190.73	Observacion
BASES PARA DISYUNTORES											
106	C	12	22	1.40	0.20	0.00	0.00	1.80	39.60	35.16	Observacion
107	C	12	64	2.10	0.20	0.00	0.00	2.50	160.00	142.08	Observacion
108	C	16	22	1.40	0.20	0.00	0.00	1.80	39.60	62.49	Observacion
109	L	12	8	0.50	.20	0.00	.08	0.78	6.24	5.54	Observacion
BASES PARA RECONECTADORES											
110	C	12	66	1.40	0.20	0.00	0.00	1.80	118.80	105.49	Observacion
111	C	12	192	2.10	0.20	0.00	0.00	2.50	480.00	426.24	Observacion
112	C	16	66	1.40	0.20	0.00	0.00	1.80	118.80	187.47	Observacion
113	L	10	56	0.50	.20	0.00	.08	0.78	43.68	26.95	Observacion
114	I	10	40	4.15	0.00	0.00	.08	4.31	172.40	106.37	Observacion
115	O	8	116	0.10	0.20	0.00	.08	0.76	88.16	34.82	Observacion

RESUMEN DE MATERIALES

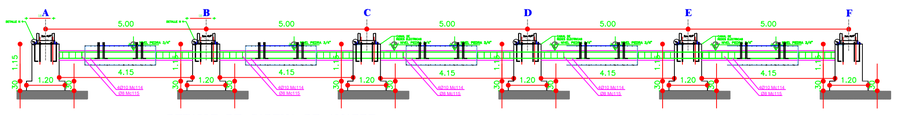
Ø (mm)	6	8	10	12	14	16	18	20	22	25	28	32
W (Kg/m)	0.222	0.395	0.617	0.888	1.208	1.578	2.000	2.466	2.984	3.853	4.834	6.310
L (m)	0	88.16	843.28	945.76	0	158.40	312.96	0	0	0	0	0
PESO (Kg)	0.00	34.82	520.30	839.83	0.00	249.96	625.92	0.00	0.00	0.00	0.00	0.00

Wtot (Kg) = 3446,00

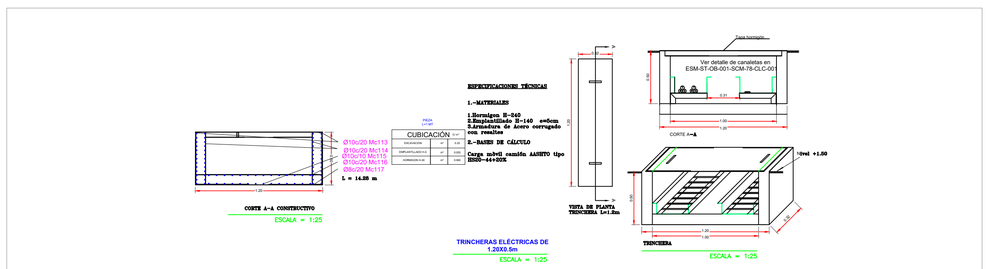
TIPOS DE HIERRO



BASE PARA RECONECTADORES



DETALLE DE CADENA DE AMARRE
ESCALA 1:50



ESCALA = 1:25

ESPECIFICACIONES TECNICAS:

HORMIGON f'c = 240 Kg/cm2

HIERRO fy = 4200 ;Kg/cm2 EN FORMA DE VARILLA MILIMETRADA CORRUGADA

TRASLAPES MINIMOS SI NO SE INDICAN EN LOS;PLANOS = 40 DIAMETROS DE LA VARILLA

APROBADO PARA CONSTRUCCIÓN

CNEL EP:

FECHA: El medio abajo mencionado ser: LUIS DANIEL RAMIREZ DUENAS

FIRMA: El medio abajo mencionado ser: HAROLD RICARDO LOOR MARCHAN

NOTAS GENERALES	PLANOS DE REFERENCIA		REVISIONES					INGENIERIA/ RECORD DISEÑO	FIRMA	FECHA
	NOMBRE	DESCRIPCION	REV.	DESCRIPCION	FECHA	DIBUJO	REVISADO	APPR.	DIBUJO : HAROLDLOOR		15/06/20222
									ING.DISEÑO : HAROLDLOOR		
									REVISADO : LUISRAMIREZ		15/06/20222
									GERENTE DE PROYECTO :		
									APROB.CLIENTE :		

CLIENTE : CNEL EP

PROYECTO : PROJECT

DESCRIPCION : PLANOS PARA CIMENTACIONES, BASES PARA RECONECTORES Y ESTRUCTURAS EN 13.8kV

FORMATO: SIZE

ESCALA: SCALE

PLANO N°. DWG_NO

HOJA : SHT DE OF

REV. REV

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