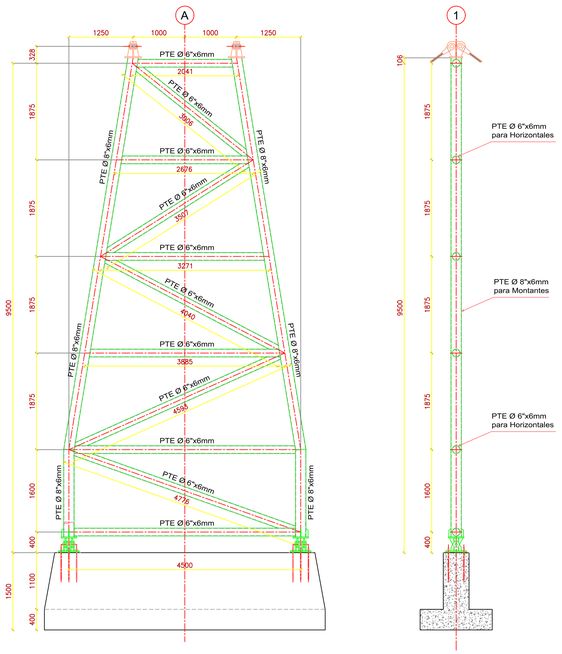
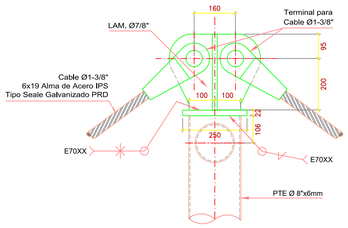


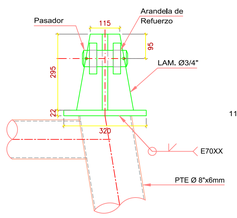
ALZADO TORRES

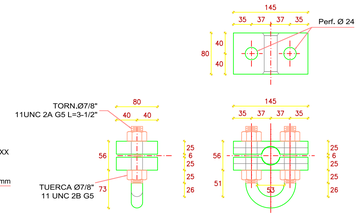
Escala: 1:200



DETALLE APOYO CABLES
EN LA CABEZA DE TORRES

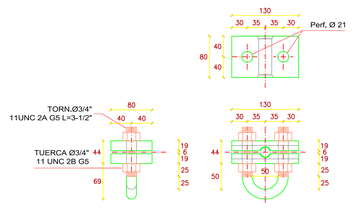
Escala: 1:10





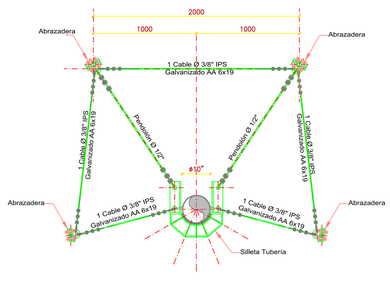
DETALLE
ABRAZADERA PARA CABLE Ø1-3/8"

Escala: 1:5



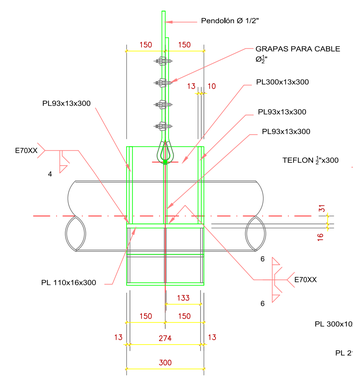
DETALLE
ABRAZADERA PARA CABLE Ø3/4"

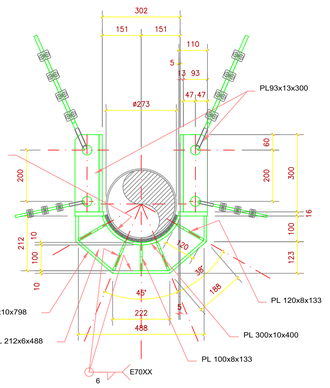
Escala: 1:5



DETALLE TIPICO SECCIÓN PUENTE

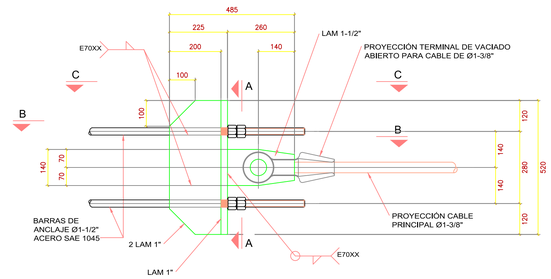
Escala: 1:50





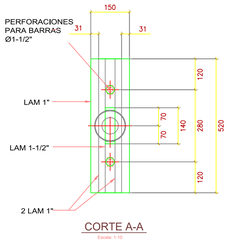
LISTA DE MATERIALES

CONJUN Cant	POS	CANT	DESCRIPCION	PESO kg/m	PESO TOTAL kg	ESPECIFICACIÓN	CANT TOTAL PLANO	OBSERV
PLATINAS		4	LAM 22x300x300	172.70	62.17	A-36	4	
		32	LAM 10x70x70	78.50	12.31	A-36	32	
		16	LAM 13x40x150	102.05	9.79	A-36	16	
		8	LAM 20x234x100	157.00	29.39	A-36	8	
		4	LAM 22x400x400	172.70	110.53	A-36	4	
		24	LAM 22x240x190	172.70	189.00	A-36	24	
		4	LAM 22x250x320	172.70	55.26	A-36	4	
		4	LAM 22x234x290	172.70	46.88	A-36	4	
		4	LAM 38x260x140	298.30	43.43	A-36	4	
		4	LAM 25x150x520	196.25	61.23	A-36	4	
		8	LAM 25x200x520	196.25	163.28	A-36	8	
		8	LAM 10x38x200	78.50	4.77	A-36	8	
		4	LAM 25x200x110	196.25	17.27	A-36	4	
		8	LAM 20x410x155	157.00	79.82	A-36	8	
		8	LAM 10x68x155	78.50	6.62	A-36	8	
		76	LAM 25x80x145	196.25	173.01	A-36	76	
		76	LAM 20x80x130	157.00	124.09	A-36	76	
		38	LAM 13x300x300	102.05	349.00	A-36	38	
		76	LAM 13x93x300	102.05	216.39	A-36	76	
		38	LAM 25x93x300	196.25	208.06	A-36	38	
		38	LAM 16x110x300	125.60	157.50	A-36	38	
		57	LAM 6x212x488	47.10	277.75	A-36	57	
		19	LAM 16x110x300	125.60	78.75	A-36	19	
		38	LAM 6x100x133	47.10	23.80	A-36	38	
		152	LAM 6x120x133	47.10	114.26	A-36	152	
			PESO ELEMENTOS		2614.36			
			3.00% SOLDADURA		78.43			
			PESO CONJUNTO PLATINAS		2692.79			
TUBERÍA	T1	1	TUBO Ø8"x6mmx37600	33.32	1252.23	A 500	1	
	T2	1	TUBO Ø6"x6mmx72510	24.02	1741.64	A 500	1	
			PESO ELEMENTOS		2993.87			
			3.00% SOLDADURA		81.10			
			PESO CONJUNTO TUBERIA		3083.69			
BARRAS	B1	24	BAR Ø7/8"x700	3.05	51.24	SAE 1020	24	
	B2	8	BAR Ø1-1/2"x3565	8.95	255.25	SAE 1045	8	
	B3	8	BAR Ø7/8"x2100	3.05	51.24	SAE 1045	8	PASADOR
	B4	4	BAR Ø1-1/2"x250	8.95	8.95	SAE 1020	4	PASADOR
	B5	38	BAR Ø3/4"x350	1.00	13.30	SAE 1020	38	PERNO U
	B6	38	BAR Ø7/8"x400	3.05	46.36	SAE 1020	38	PERNO U
			PESO ELEMENTOS		426.34			
			3.00% SOLDADURA		13.28			
			PESO CONJUNTO VARILLAS		439.13			
ACCESORIOS		12	TERMINAL CÓNICO ABIERTO CABLE Ø1-1/2"					
		4	TERMINAL CÓNICO ABIERTO CABLE Ø3/4"					
		228	GRAPAS PARA CABLE DE Ø1/2"					
		570	GRAPA PARA CABLE DE Ø3/8"					
		190	GUARDACABOS PARA CABLE Ø3/8"					
		76	GUARDACABOS PARA CABLE Ø1/2"					
CABLES		-	CABLE Ø1-3/8" 6x19 AA IPS SEALE GALVANIZADO				219	m
		-	CABLE Ø3/4" 6x19 AA IPS SEALE GALVANIZADO				196	m
		-	CABLE Ø1/2" 6x19 AA IPS SEALE GALVANIZADO				180	m
		-	CABLE Ø3/8" 6x19 AA IPS SEALE GALVANIZADO				379	m
PESO TOTAL PLANO					6215.61			



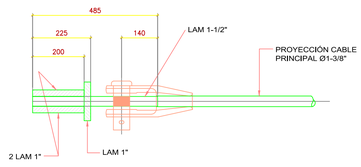
DETALLE ANCLAJE CABLES PRINCIPALES

Escala: 1:10



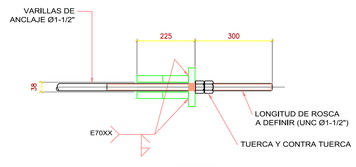
CORTE A-A

Escala: 1:10



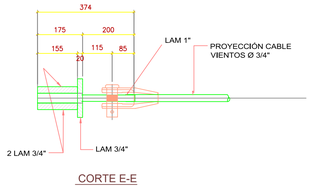
CORTE B-B

Escala: 1:10



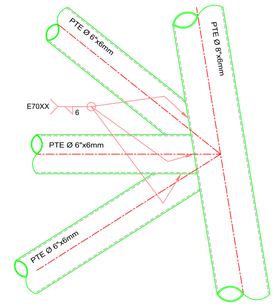
CORTE C-C

Escala: 1:10



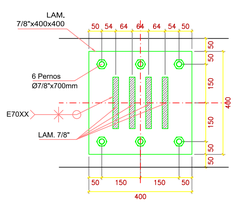
CORTE E-E

Escala: 1:10



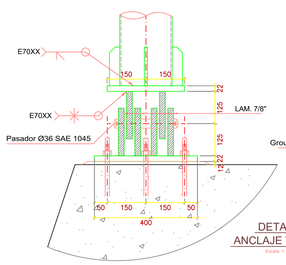
DETALLE
CONEXIÓN TIPO SOLDADA EN ELEMENTOS DE TORRES

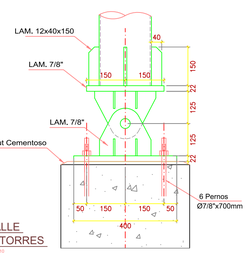
Escala: 1:10



DETALLE PLACA BASE

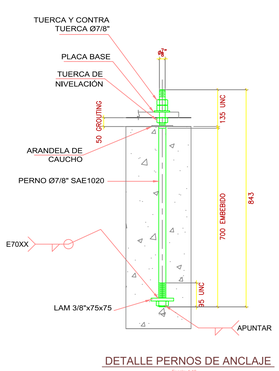
Escala: 1:10





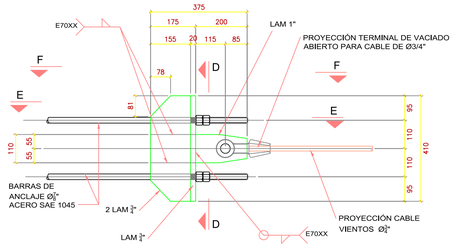
DETALLE
ANCLAJE TORRES

Escala: 1:10



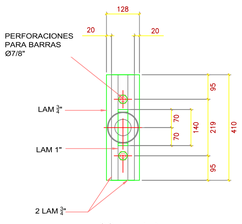
DETALLE PERNOS DE ANCLAJE

Escala: 1:5



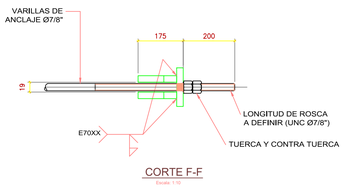
DETALLE ANCLAJE CABLES VIENTOS

Escala: 1:5



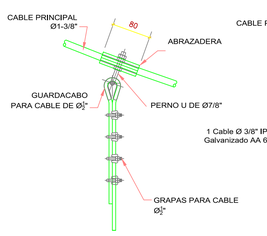
CORTE D-D

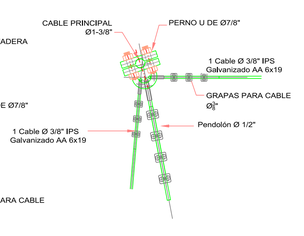
Escala: 1:10



CORTE F-F

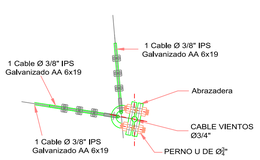
Escala: 1:10





DETALLE
ALZADO CONEXIÓN ENTRE CABLE PRINCIPAL Y PENDOLÓN

Escala: 1:10



DETALLE
CONEXIÓN ENTRE CABLE VIENTOS Y TENSOR - SOPORTES

Escala: 1:10

CUADRO DE GANCHOS		CUADRO DE TRASLAPOS	
BARRA N°	GANCHO	BARRA N°	TRASLAPO
3	12	3	50
4	20	4	80
5	25	5	90
6	38	6	1.00
7	35	7	1.10
8	40	8	1.30

REPUBLICA DE COLOMBIA
DEPARTAMENTO DE NARIÑO
MUNICIPIO DE TAMINANGO

CONTRATISTA: Findeter Financiera del Desarrollo — JUNTOS LO HACEMOS POSIBLE

INTERVENTORÍA: CONSORCIO INTERVENTORES 2019

CONTRATISTA: CR CONSTRUCCIONES Y REDES — CONSORCIO REDES 2018

DIRECTOR DE OBRA: ING. HECTOR HENRY CUADRADO MP. 25202-45140 CND

DISEÑO: ING. ALEXIS ALUMA ARANGO MAT. PROF. 1879 BLL
LEVANTO: JAIME PACHELOR MELENJE CPN 01-13519

DIRECTOR DE INTERVENTORÍA: ING. OSCAR VELASQUEZ
REVISO TOP. INTERVENTORÍA: EDUARD J. ANGARITA TP 01-12821

REVISÓ:
DIGITALIZÓ: Bladimir Aleman Torres

CONTRATO DE OBRA No. PAF-ATF-O-029-2018
PARIMONIO AUTONOMO FIDEICOMISO
ASISTENCIA TECNICA FINDETER, ADMINISTRADO
POR FIDUCIARIA BOGOTA S.A.

MODIFICACIONES Y REVISIONES:

OBJETO: CONSTRUCCION DEL ACUEDUCTO REMOLINO, MUNICIPIO DE TAMINANGO, DEPARTAMENTO DE NARIÑO

CONTIENE: VIADUCTO #1 L= 80.00 m
DISEÑO ESTRUCTURAL

PLANO No. XXXX
FECHA: 20/05/2020
ARCHIVO: PLViaducto1.dwg
ESCALA: INDICADAS
REV. 01