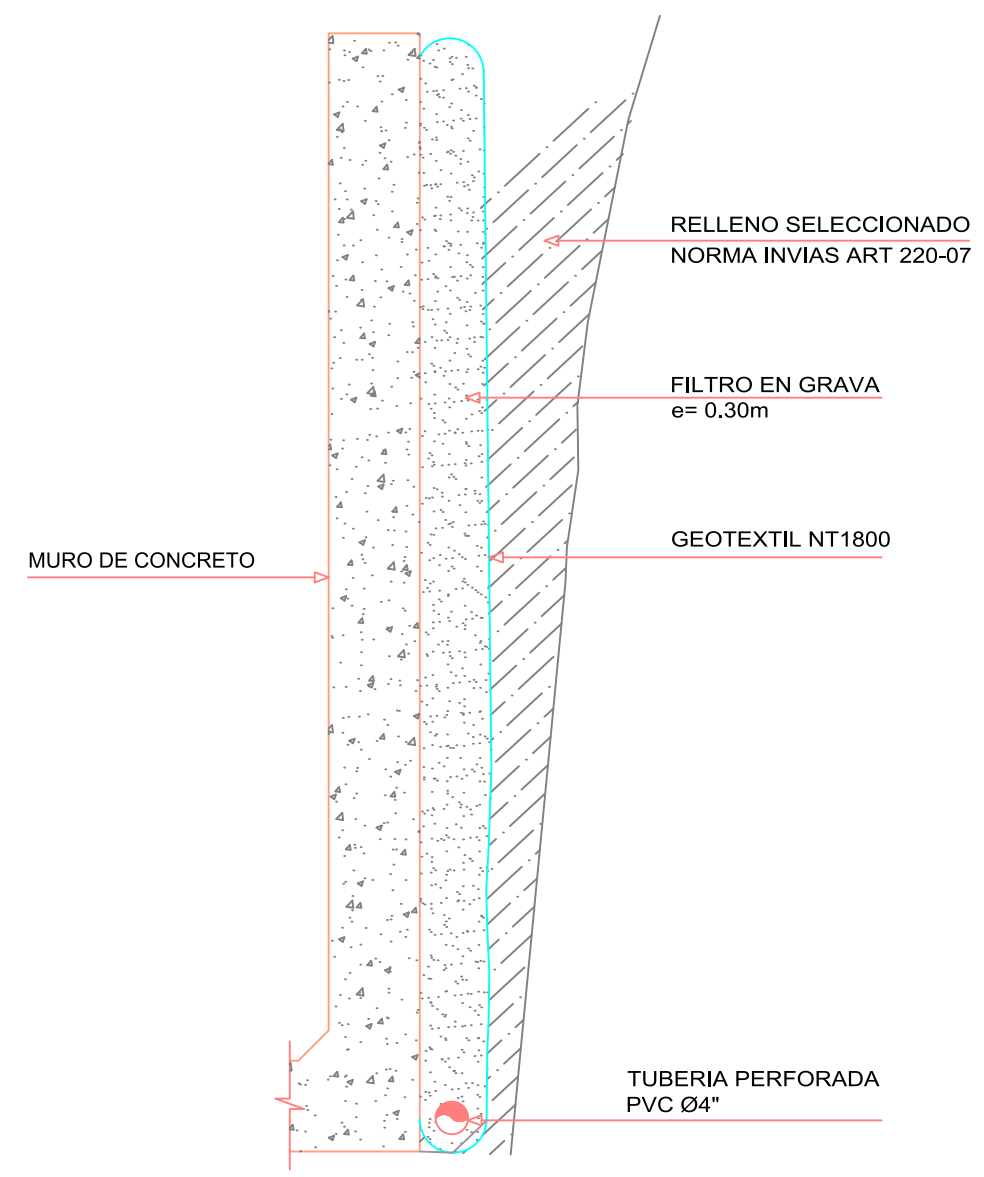
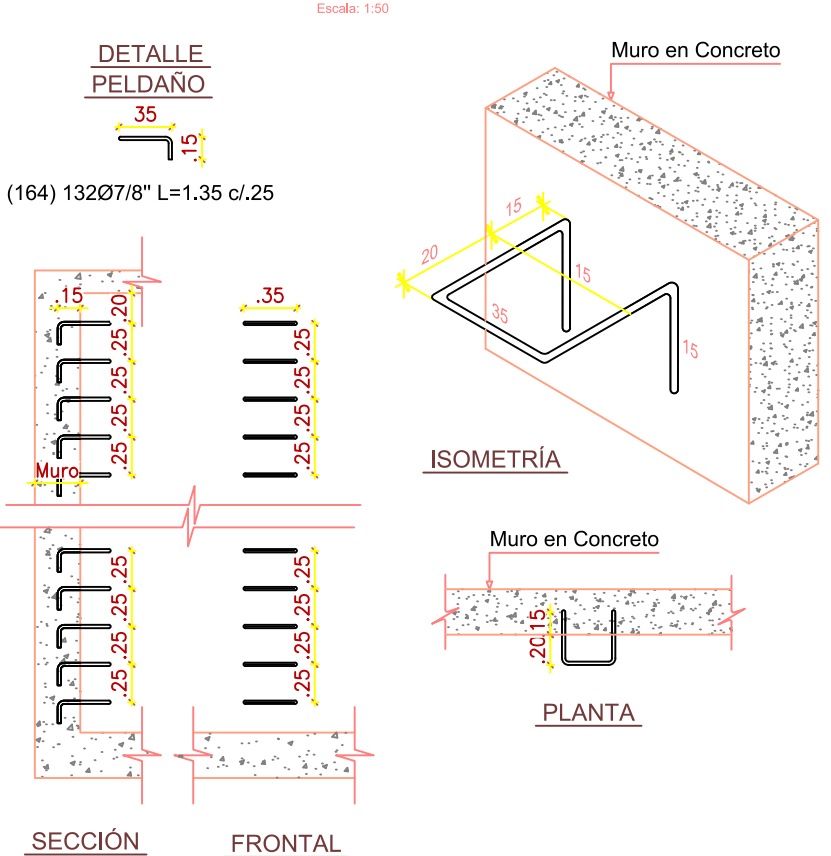


DETALLE ESCALERA INTERNA

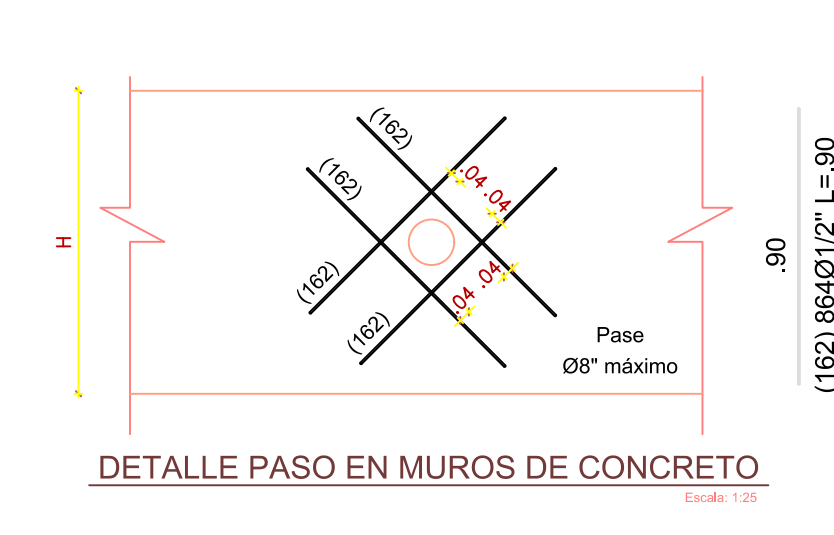
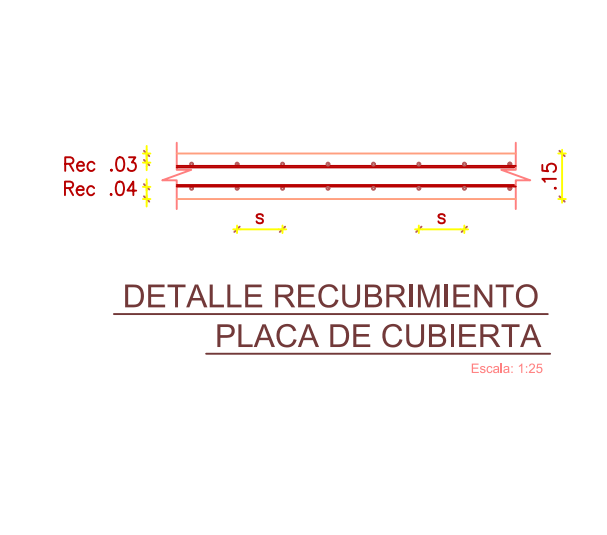
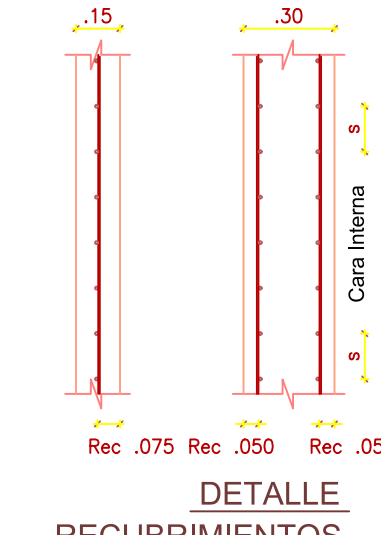
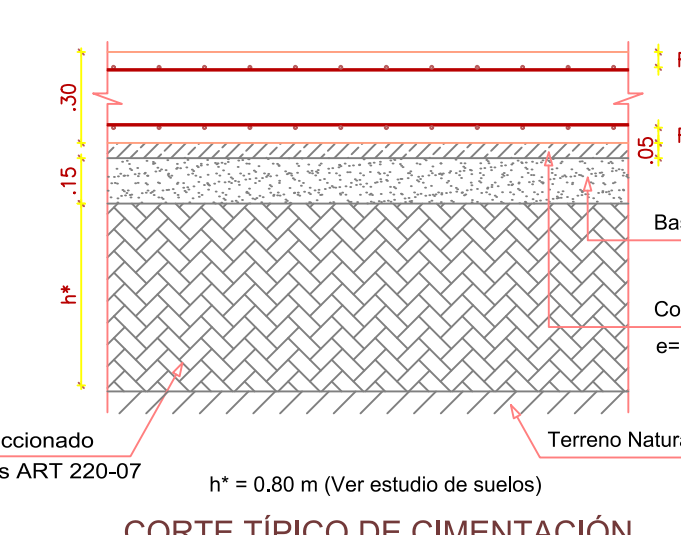
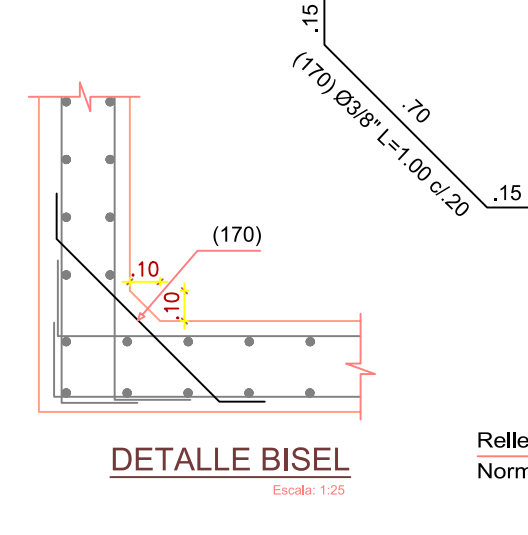
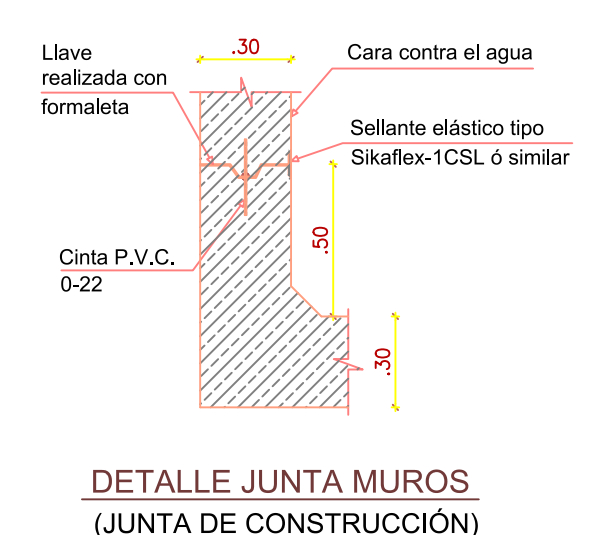


DETALLE TIPO DE RELLENO DETRAS DE MUROS

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	.30	6	1.00
7	.35	7	1.10
8	.40	8	1.30

CUADRO DE HIERROS							
VARILLA No.	DESPIECE	DIAM. (PULG.)	LONG. (m)	PESO UNITARIO (kg/m)	CANT.	LONG. TOTAL (m)	PESO (kg)
101	25 5.60 35	5/8	7.10	1.56	106	752.60	1173.64
102	25 5.35 25	5/8	5.85	1.56	82	479.70	748.19
103	25 3.70 25	5/8	4.20	1.56	82	344.40	537.16
104	25 1.85 25	5/8	2.35	1.56	40	94.00	146.61
105	25 1.30 25	5/8	1.80	1.56	53	95.40	148.80
106	1.00 75 25	5/8	2.25	1.56	41	92.25	143.88
107	25 75 25	5/8	1.25	1.56	41	51.25	79.94
108	2.20 25 2.65 25 5.20	5/8	7.55	1.56	7	52.85	82.43
109	25 2.65 25	5/8	3.15	1.56	29	91.35	142.48
110	2.20 25 1.55 130	5/8	5.35	1.56	3	16.05	25.03
111	25 1.55 25	5/8	1.95	1.56	3	5.85	9.12
112	25 7.85 25 1.00	5/8	9.35	1.56	5	46.75	72.92
113	25 1.10 7.85 25	5/8	9.45	1.56	5	47.25	73.70
114	25 7.85 25	5/8	8.35	1.56	706	5895.10	9194.64
115	25 1.30 25	5/8	1.80	1.56	150	270.00	421.12
116	25 1.10 25	5/8	1.50	1.56	56	84.00	131.02
117	6.15 25	5/8	6.65	1.56	472	3138.80	4895.61
118	3.30 25 20	5/8	3.80	1.56	72	273.60	426.74
119	5.35 25	5/8	5.85	1.56	72	421.20	656.95
120	2.80 25	5/8	3.30	1.56	72	237.60	370.59
121	1.50 25	5/8	2.00	1.56	72	144.00	224.60
122	25 1.35 25 1.13	5/8	3.00	1.56	72	216.00	336.90
123	4.65 25	5/8	5.15	1.56	112	576.80	899.64
124	5.00 25	5/8	5.50	1.56	96	528.00	823.53
125	4.20 25	5/8	4.70	1.56	262	1231.40	1920.63
126	4.65 25	5/8	5.15	1.56	14	72.10	112.46
127	2.30 25	5/8	2.70	1.56	65	175.50	273.73
128	1.80 25	5/8	2.30	1.56	8	18.40	28.70
129	1.00 25	5/8	1.50	1.56	37	55.50	86.56
130	9.25 25	5/8	9.75	1.56	22	214.50	334.56
131	3.30 25	5/8	3.80	1.56	240	912.00	1422.45
132	7.90 25	5/8	8.15	1.56	52	423.80	661.00
133	4.80 25	5/8	5.05	1.56	6	30.30	47.28
134	3.80 25	5/8	4.05	1.56	6	24.30	37.90
135	8.80 25	5/8	9.15	1.56	6	54.90	85.63
136	4.30 25	5/8	4.80	1.56	92	441.60	688.77
TOTAL Kg						27465.07	

CUADRO DE HIERROS							
VARILLA	DESPIECE	DIAM. (PULG.)	LONG. (m)	PESO UNITARIO (kg/m)	CANT.	LONG. TOTAL (m)	PESO (kg)
137	10.20 20	5/8	10.45	1.56	42	438.90	684.56
138	7.20 20	5/8	7.45	1.56	42	312.90	488.03
139	4.30 20	5/8	5.15	1.56	42	216.30	337.37
140	2.60 25	5/8	3.10	1.56	189	585.90	913.83
141	7.70 25	5/8	7.95	1.56	6	47.70	74.40
142	5.45 25	5/8	7.10	1.56	6	42.60	66.44
143	1.20 20	3/8	1.60	0.56	18	28.80	16.17
144	1.05 1.35 20	3/8	3.60	0.56	18	64.80	36.38
145	4.10 20	1/2	4.50	1.00	6	27.00	26.95
146	1.30 20	3/8	1.50	0.56	18	27.00	15.16
147	1.00 3/8	3/8	1.00	0.56	99	99.00	55.59
148	7.85 15	3/8	8.15	0.56	32	260.80	146.44
149	5.65 15	3/8	5.95	0.56	32	190.40	106.91
150	2.40 15	3/8	2.70	0.56	72	194.40	109.15
151	1.60 15	3/8	1.90	0.56	60	114.00	64.01
152	50 15	3/8	0.80	0.56	20	16.00	8.98
153	30 15	3/8	1.20	0.56	32	38.40	21.56
154	4.40 15	3/8	4.70	0.56	12	56.40	31.67
155	10.05 15	3/8	10.35	0.56	4	41.40	23.25
156	3.10 20	1/2	3.50	1.00	12	42.00	41.82
157	1.30 15	3/8	1.60	0.56	48	76.80	43.12
158	2.15 15	3/8	2.45	0.56	16	39.20	22.01
159	1.55 15	3/8	1.85	0.56	8	14.80	8.31
160	2.30 15	3/8	2.60	0.56	56	145.60	81.75
161	1.20 15	3/8	1.50	0.56	20	30.00	16.84
162	30 1/2	0.90	1.00	1.00	864	777.60	776.21
163	1.50 3/8	3/8	1.50	0.56	80	120.00	67.38
164	ESCALERA	7/8	1.35	3.06	132	178.20	544.76
165	4.10 1.20 1.40 20 4.10	1/2	10.00	1.00	32	320.00	319.43
166	20 1.40 20	1/2	1.80	1.00	600	1080.00	1078.07
167	4.10 20	1/2	4.50	1.00	44	198.00	197.65
168	5.25 1.10 20	1/2	6.55	1.00	30	196.50	196.15
169	5.25 20	1/2	5.45	1.00	22	119.90	119.69
TOTAL Kg						6740.16	



REPUBLICA DE COLOMBIA
DEPARTAMENTO DE NARIÑO
MUNICIPIO DE TAMINANGO



DIRECTOR DE OBRA:
ING. HECTOR HENRY CUADRADO
MAT. 2202-45140 CUN

DISEÑO:
ING. ALEXIS ALVARO ARANGO
MAT. PROF. 1879 BLL
LEVANTO:
JAIRO PALECHOR MELENIE
CPN 01-13519

DIRECTOR DE INTERVENCIÓN:
ING. OSCAR VELASQUEZ
REVISO TOP INTERVENCIÓN:
ING. JUAN CARLOS ANGARITA
REV. 01-13519

REVISO:
DIGITALIZO:
Bledimir Aleman Torres

CONTRATO DE OBRA No. PAF-ATF-O-029-2018
PARIMONIO AUTÓNOMO FIDEICOMISO
ASISTENCIA TÉCNICA FINDER, ADMINISTRADO
POR FIDUCIARIA BOGOTÁ S.A.

MODIFICACIONES Y REVISIONES:

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

CONTIENE:
PLANTA DE TRATAMIENTO DE
AGUA POTABLE - PTAP
DISEÑO ESTRUCTURAL

PLANO No. XXXX
ARCHIVO: PLPTAP.dwg

FECHA: 22/03/2020
ESCALA: INDICADAS
REV. 00