

## IMPLANTACION GENERAL - PLANTA BAJA

ESCALA: 1:500

Divide	DATA	Longitud (m)	Volumen (m³)	Potencia (kW)	Potencia (CV)	Corriente (A)	Número de Fases	Cable de Tensión (mm²)	Sección real (mm²)	Cable (mm²)	Sección real (mm²)	Resistencia (ohm)	Cable de Tensión (m)	Cable de Tensión (m)	Alimentador (m)	PROTECCION (m)	Capacidad (respetos)
TRAF0	TOP	80.0	220	13486.5	249.67	655.32	3.00	0.50	501.14	4(150MM²)	788	0.0043	4.47	0.03%	3x6.3(100)+1x1(TTU)	IP-200A	-
TRAF1	TOP-1	15.0	220	104862.8	113.98	299.12	3.00	0.25	252.11	3(100)	255	0.001	0.52	0.25%	3x6.3(100)+2x1(TTU)	IP-100A	6
TOP1	TD-PUG-N	27.0	220	479.6	0.52	1.37	3.00	1.00	0.52	8	8.37	0.058	0.13	0.06%	3x8.0(8)+1(TTU)	IP-20A	6
TOP1	TD-ADM-N	5.0	220	4078.8	4.87	12.38	3.00	0.00	16.46	4	21.35	0.046	0.08	0.04%	3x10.0(8)+1(TTU)	IP-30A	20
TOP1	TD-CM-N	11.0	220	985.2	1.07	2.81	3.00	0.50	4.35	8	8.37	0.023	0.11	0.09%	3x8.0(8)+1(TTU)	IP-20A	6
TOP1	TD-BOM-N	127.0	220	21380.5	23.28	13.69	3.00	0.50	41.75	10	53.69	0.042	0.02	0.35%	3x10.0(8)+2(TTU)	IP-30A	20
TOP1	TD-ILU-TTU	176.0	220	39914.5	21.45	16.81	3.00	2.00	49.48	100	85.05	0.037	8.52	1.59%	3x30.0(30)+2x1(TTU)	IP-30A	30
TOP1	TD-ILUMEXT-1	52.0	220	9079.0	9.87	16.04	3.00	2.50	9.95	6	13.80	0.070	3.01	1.78%	2x6.3(8)+1(TTU)	IP-40A	30
TOP1	TD-ILUMEXT-2	113.0	220	15519.0	1.7	5.69	3.00	2.00	4.52	8	8.37	0.241	2.26	1.09%	3x6.3(8)+1(TTU)	IP-40A	12
TOP	TD-BR2-PB-N	276.0	220	12626.4	13.73	36.02	3.00	2.00	69.89	30	85.05	0.058	3.44	1.56%	3x10.0(8)+2(TTU)	IP-30A	20
TD-BR2-PB-N	TD-BR2-PB-N	6.0	220	4183.3	4.52	13.87	3.00	0.50	10.03	6	13.80	0.008	0.16	0.07%	3x8.0(8)+1(TTU)	IP-20A	6
TD-BR2-PB-N	TD-BR2-PB-N	6.0	220	3720.0	4.04	9.97	3.00	0.50	1.98	8	8.37	0.013	0.21	0.03%	3x8.0(8)+1(TTU)	IP-30A	12
TOP1	TD-ADM1-PB-N	175.0	220	48995.8	48.91	128.35	3.00	1.60	197.36	30(20)	202.29	0.035	3.26	1.88%	3x(150/20)+2x1(TTU)	IP-180A	20
TD-ADM1-PB-N	TD-ADM1-PB-N	25.0	220	1414.8	9.94	26.08	3.00	0.80	15.46	6	13.80	0.034	1.41	0.09%	3x8.0(8)+1(TTU)	IP-40A	12
TD-ADM2-PB-N	TD-ADM2-PB-N	6.0	220	2272.8	2.47	6.48	3.00	0.20	2.73	8	8.37	0.013	0.14	0.06%	3x8.0(8)+1(TTU)	IP-16A	12
TD-ADM2-PB-N	TD-ADM2-PB-N	6.0	220	3389.0	3.64	9.55	3.00	0.50	4.03	8	8.37	0.011	0.20	0.09%	3x8.0(8)+1(TTU)	IP-16A	12
TD-ADM2-PB-N	TD-ADM2-PB-N	5.0	220	26180.0	20.28	68.97	3.00	0.30	15.16	4	21.35	0.004	0.48	0.25%	3x10.0(8)+1(TTU)	IP-40A	30
TD-ADM2-PB-N	TD-ADM2-PB-N	6.0	220	4140.0	4.50	13.81	3.00	0.30	3.32	8	8.37	0.013	0.25	0.03%	3x8.0(8)+1(TTU)	IP-20A	6
TD-ADM2-PB-N	TD-ADM2-PB-N	177.0	220	10161.6	4.50	29.27	3.00	1.70	42.85	10	53.69	0.059	2.85	1.28%	3x10.0(8)+2(TTU)	IP-30A	30
TD-ADM2-PB-N	TD-ADM2-PB-N	6.0	220	4140.8	4.46	13.69	3.00	0.20	4.98	8	8.37	0.013	0.25	0.03%	3x8.0(8)+1(TTU)	IP-40A	20
TD-ADM2-PB-N	TD-ADM2-PB-N	176.0	220	1617.6	9.37	24.58	3.00	1.80	33.79	10	53.69	0.059	2.38	1.08%	3x10.0(8)+2(TTU)	IP-30A	30
TD-ADM2-PB-N	TD-ADM2-PB-N	6.0	220	4098.8	4.46	13.69	3.00	0.20	4.98	8	8.37	0.013	0.25	0.03%	3x8.0(8)+1(TTU)	IP-40A	20
TOP	TD-ADM2-PB-N	82.0	220	10363.6	11.15	29.27	3.00	0.80	42.18	10	53.69	0.027	1.32	0.09%	3x10.0(8)+2(TTU)	IP-30A	30
TD-ADM2-PB-N	TD-ADM2-PB-N	6.0	220	4140.8	4.50	13.81	3.00	0.50	4.98	8	8.37	0.013	0.25	0.03%	3x8.0(8)+1(TTU)	IP-40A	20
TOP	TD-ADM2-PB-N	79.0	220	1617.6	9.37	24.58	3.00	0.80	14.11	10	53.69	0.056	1.07	0.86%	3x10.0(8)+2(TTU)	IP-30A	30
TD-ADM2-PB-N	TD-ADM2-PB-N	6.0	220	4098.8	4.46	13.69	3.00	0.20	4.93	8	8.37	0.013	0.25	0.03%	3x8.0(8)+1(TTU)	IP-40A	20
TOP	TD-ADM2-PB-N	83.0	220	10363.6	11.15	29.27	3.00	0.80	42.88	10	53.69	0.028	1.33	0.09%	3x10.0(8)+2(TTU)	IP-30A	30
TD-ADM2-PB-N	TD-ADM2-PB-N	6.0	220	4140.8	4.50	13.81	3.00	0.20	4.98	8	8.37	0.013	0.25	0.03%	3x8.0(8)+1(TTU)	IP-40A	20
TOP	TD-ADM2-PB-N	83.0	220	1617.6	9.37	24.58	3.00	0.80	15.85	10	53.69	0.028	1.12	0.84%	3x10.0(8)+2(TTU)	IP-30A	30
TD-ADM2-PB-N	TD-ADM2-PB-N	6.0	220	4098.8	4.46	13.69	3.00	0.20	4.93	8	8.37	0.013	0.25	0.03%	3x8.0(8)+1(TTU)	IP-40A	20
TOP	TD-COMEDOR-N	133.0	220	33426.0	21.32	55.41	3.00	1.90	54.53	20	67.43	0.035	3.21	1.88%	3x20(20)+10(TTU)	IP-200A	42
TOP	TD-COMEDOR-N	129.0	220	13133.9	9.93	25.99	3.00	2.20	42.83	10	54.81	0.045	1.98	0.90%	3x10.0(8)+2(TTU)	IP-30A	20
TOP	TD-VB-N	162.0	220	9288.8	10.10	45.89	3.00	1.50	69.68	30	85.05	0.034	2.57	1.71%	3x30.0(30)+2(TTU)	IP-30A	30
TOP	TD-EI-1-N	166.0	220	12322.0	5.69	14.92	3.00	2.50	13.93	4	21.35	0.140	3.41	1.56%	3x10.0(8)+1(TTU)	IP-30A	20
TOP	TD-EI-2-N	207.0	220	2382.0	5.74	15.07	3.00	2.50	17.44	4	21.35	0.175	4.81	1.07%	3x10.0(8)+1(TTU)	IP-30A	20
TOP	TD-BAR1-N	133.0	220	4629.6	5.03	13.21	3.00	2.50	9.88	6	13.80	0.179	3.88	1.54%	3x10.0(8)+1(TTU)	IP-30A	12
TOP	TD-BAR2-N	162.0	220	4629.6	5.03	13.21	3.00	2.50	12.09	6	13.80	0.214	4.71	2.19%	3x10.0(8)+1(TTU)	IP-30A	12

### NOMENCLATURA BANCO DE DUCTOS

B #X# B 1  
EN ACERA  
Diámetro 110 mm, 4"  
# FILAS X # COLUMNAS  
Diámetro 110 mm, 4"

### ALIMENTADORES EN BV

- A 3# 8(F)+ 1#8(N)+1 #8 AWG-TTU
- B 3# 4(F)+ 1#4(N)+ 1 #6 AWG-TTU
- C 3# 1/0(F)+ 1#1/0(N)+ 1#2 AWG-TTU
- D 3# 3/2/0(F)+ 3#2/0(N)+ 1#1/0 AWG-TTU
- E 3# 3/0(F)+ 1#3/0(N)+ 1#2/0 AWG-TTU
- F 3# 4/350(F)+ 4#350(N)+ 1#3/0 AWG-TTU
- G 3# 6(F)+ 1#6(N)+ 1#8 AWG-TTU
- H 3# 2/0(F)+ 1#2/0(N)+ 1#1/0 AWG-TTU
- I 2# 6(F)+ 1#8 AWG-TTU
- J 3# 3/0(F)+ 1#3/0(N)+ 1#2/0 AWG-TTU

## MINISTERIO DE EDUCACIÓN



### RESPONSABLES:

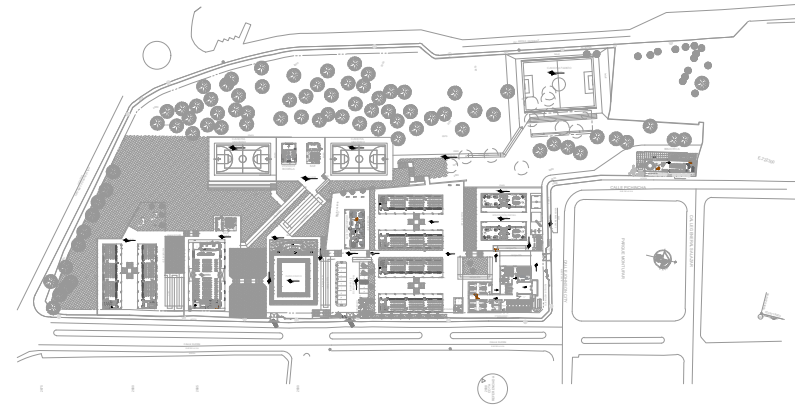
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#BIRF-8542-SBCC-CF-2018-032

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INGENIERO ELÉCTRICO  
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ING. VINICIO ITAZ  
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MINEDUC

### UBICACIÓN:



### PROYECTO:

BIRF-8542-SBCC-CF-2018-032  
"INTERVENCIÓN EN LA INFRAESTRUCTURA EXISTENTE Y PROPUESTA  
PARA LA REPOTENCIACIÓN DE LA UNIDAD EDUCATIVA ÁNGEL  
POLIBIO CHÁVEZ, UBICADA EN EL CANTÓN GUARANDA PROVINCIA  
DE BOLÍVAR."

### UNIDAD EDUCATIVA:

UNIDAD EDUCATIVA ÁNGEL POLIBIO CHÁVEZ

### CANTÓN:

GUARANDA

### PROVINCIA:

BOLÍVAR

### CONTIENE:

**CANALIZACIÓN POZOS Y ZANJAS**  
RUTA DE ALIMENTADORES

### ESCALA:

INDICADAS

### FECHA:

AGOSTO 2020

### LÁMINA:

EL-40a

### SELLOS MUNICIPALES: