



CALCULO DE DEMANDA	
DESCRIPCION	KVA
ILUMINACION	20.26
TOMACORRIENTES	152.28
<b>TOTAL DE ILUMINACION &amp; TOMACORRIENTES</b>	<b>172.54</b>
ILUMINACION @ 100%	20.26
TOMACORRIENTES @ 40%	60.91
<b>TOTAL DEMANDA ILUM. &amp; TOMAC.</b>	<b>81.17</b>
OTROS @ 100%	211.20 KVA
CARGA RESERVA (60%)	126.72
<b>TOTAL DEMANDA</b>	<b>207.89</b>
<b>TRANSFORMADOR SELECCIONADO</b>	<b>225.00</b>

1 E-10 DIAGRAMA UNIFILAR PROPUESTO

NUMERO	RECORRIDO		CARGA(KVA)	LINEAS	LLEVA NEUTRO	ALIMENTADORES	VOLTAJE	CORRIENTE (Amperios)	LONGITUD (Pies)	CONDUCTORES						CAIDA DE VOLTAJE		TUBERIA		OBSERVACIONES		
										POR LINEA		NEUTRO		TIERRA		Voltios	%	Cant.	Ø (Pulg.)		Tipo	
										Cant.	Calibre	Cantidad	Calibre	Cantidad	Calibre							
A0	PUNTO INTERCONEXION	TR1	225.0	3	X	X	12.470	10.4	200	URD	1	2	-	1	1/0	0.88	0.01%	1	3	PVC		
A1	TR1	ITA	225.0	3	X	X	208	624.5	155	THHN	4	4/0	4	2/0	4	1/0	3.16	1.52%	4	3	PVC	
A2	GENERADOR	ITA	225.0	3	X	X	208	624.5	-	THHN	4	4/0	4	2/0	4	1/0	-	-	4	3	PVC	
A3	ITA	PBP	225.0	3	X	X	208	624.5	25	THHN	4	4/0	4	2/0	4	1/0	3.67	1.77%	4	3	PVC	
A4	PBP	PA	14.2	3	X	X	208	39.4	25	THHN	1	6	1	6	1	8	4.72	2.27%	1	1 1/2	EMT	
A5	PBP	PB	14.8	3	X	X	208	41.1	125	THHN	1	2	1	2	1	8	5.84	2.81%	1	1 1/2	PVC - EMT	
A6	PBP	PC	16.7	3	X	X	208	46.4	41	THHN	1	6	1	6	1	8	5.70	2.74%	1	1 1/2	EMT	
A7	PBP	PD	14.4	3	X	X	208	39.9	141	THHN	1	2	1	2	1	8	6.04	2.91%	1	1 1/2	PVC - EMT	
A8	PBP	PE	17.2	3	X	X	208	47.9	57	THHN	1	4	1	4	1	8	5.50	2.64%	1	1 1/2	EMT	
A9	PBP	PF	16.0	3	X	X	208	44.5	157	THHN	1	1/0	1	1/0	1	8	5.52	2.65%	1	2	PVC - EMT	
A10	PBP	BY PASS 1	10.0	3	X	X	208	27.8	50	THHN	1	6	1	6	1	10	5.15	2.48%	1	1 1/2	PVC	
A10a	BY PASS 1	UPS 1	10.0	3	X	X	208	27.8	25	THHN	1	6	1	6	1	10	5.89	2.83%	1	1 1/2	EMT	
A10b	UPS 1	BY PASS 1	10.0	3	X	X	208	27.8	25	THHN	1	6	1	6	1	10	4.41	2.12%	1	1 1/2	EMT	
A11	PBP	BY PASS 2	10.0	3	X	X	208	27.8	155	THHN	1	1/0	1	2	1	6	4.81	2.31%	1	2	PVC	
A11a	BY PASS 2	UPS 2	10.0	3	X	X	208	27.8	25	THHN	1	6	1	6	1	10	5.55	2.67%	1	1 1/2	EMT	
A11b	UPS 2	BY PASS 2	10.0	3	X	X	208	27.8	25	THHN	1	6	1	6	1	10	0.74	0.36%	1	1 1/2	EMT	
A12	PBP	PA/A1	38.0	3	X	X	208	105.5	25	THHN	1	1/0	1	2	1	6	4.37	2.10%	1	2	PVC	
A13	PBP	PA/A2	19.5	3	X	X	208	54.1	125	THHN	1	1/0	1	2	1	6	5.46	2.63%	1	2	PVC - EMT	
A14	PBP	PA/A3	44.0	3	X	X	208	122.1	41	THHN	1	1/0	1	2	1	6	5.00	2.40%	1	2	PVC	
A15	PBP	PA/A4	19.5	3	X	X	208	54.1	141	THHN	1	1/0	1	2	1	6	5.69	2.74%	1	2	PVC - EMT	
A16	PBP	PA/A5	48.0	3	X	X	208	133.2	57	THHN	1	1/0	1	2	1	6	5.68	2.73%	1	2	PVC	
A17	PBP	PA/A6	44.0	3	X	X	208	122.1	157	THHN	1	4/0	1	2	1	6	6.18	2.97%	1	2	PVC - EMT	
A18	BY PASS 1	PBU1	15.0	3	X	X	208	41.6	25	THHN	1	4	1	4	1	8	5.85	2.81%	1	1 1/2	EMT	
A19	BY PASS 2	PBU2	15.0	3	X	X	208	41.6	25	THHN	1	4	1	4	1	8	5.51	2.65%	1	1 1/2	EMT	
A20	PBU1	PUA	5.0	3	X	X	208	13.9	25	THHN	1	6	1	6	1	10	6.22	2.99%	1	1 1/2	EMT	
A21	PBU1	PUC	5.0	3	X	X	208	13.9	40	THHN	1	4	1	4	1	10	6.22	2.99%	1	1 1/2	EMT	
A22	PBU1	PUE	5.0	3	X	X	208	13.9	60	THHN	1	2	1	2	1	10	6.20	2.98%	1	1 1/2	EMT	
A23	PBU2	PUB	5.0	3	X	X	208	13.9	25	THHN	1	2	1	2	1	10	5.99	2.88%	1	1 1/2	EMT	
A24	PBU2	PUD	5.0	3	X	X	208	13.9	40	THHN	1	2	1	2	1	10	6.08	2.92%	1	1 1/2	EMT	
A25	PBU2	PUF	5.0	3	X	X	208	13.9	60	THHN	1	2	1	2	1	10	6.20	2.98%	1	1 1/2	EMT	