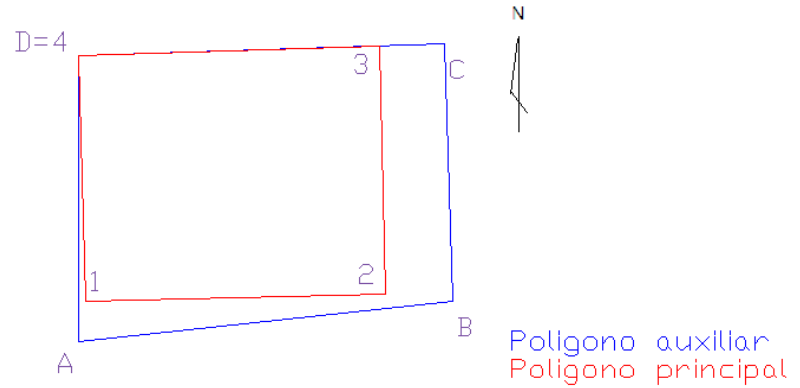


Relevamiento de una construcción

Datos de campo

PE	PV	I LECT			II LECT			LECT. COMP.			DIST. (m)
		o	'	"	o	'	"	o	'	"	
A	B	328	4	30	148	26	0	328	15	15	40,26
	1	254	20	0	74	21	0	254	20	30	4,31
	D=4	244	10	0	64	12	0	244	11	0	30,43
B	C	250	46	0	70	52	15	250	49	8	27,44
	2	169	35	30	349	35	20	169	35	25	7,17
	A	156	28	30	336	34	40	156	31	35	40,25
C	D=4	137	5	0	317	4	0	137	4	30	39,20
	3	136	12	0	316	12	20	136	12	10	6,97
	B	47	10	0	227	0	0	47	5	0	27,44
D=4	A	260	42	0	80	41	40	260	41	50	30,43
	C	168	50	20	348	49	20	168	49	50	39,20

CROQUIS



Poligonal auxiliar

PE	PV	Lect. Compen.			Angulo Interno			Ang. Compens.			Azimut			Dist. (m)	Δx	Δy	Δx -comp	Δy -comp	X	Y	X comp	Y comp	Pto	
A	B	328	15	15	84	4	15	84	0	55	84	0	55	40,260	4,198	40,041	4,200	40,029	930,000	895,000	930,000	895,000	A	
A	D	244	11	0															934,198	935,041	934,200	935,029	B	
B	C	250	49	8	94	17	33	94	14	13	358	15	8	27,440	27,427	-0,837	27,444	-0,837	961,625	934,204	961,644	934,192	C	
B	A	156	31	35																				
C	D	137	4	30	89	59	30	89	56	10	268	11	19	39,200	-1,239	-39,180	-1,238	-39,192	960,386	895,023	960,406	895,000	D=4	
C	B	47	5	0																				
D	A	260	41	50	91	52	0	91	48	41	179	59	59	30,425	-30,425	0,000	-30,406	0,000	929,961	895,023	930,000	895,000	A	
D	C	168	49	50																				
sumatoria					360	13	18	360	0	0	sumatoria					137,325	-0,039	0,023	0,000	0,000				
error de cierre					0	13	18	sumatoria de valores absolutos					63,289	80,058										
tolerancia = $1' \sqrt{n}$					360	0	0	error					-0,0006196	0,0002921358										

Poligonal edificio ITU

PE	PV	Lect. Compen.			Angulo Interno			Azimut			Dist. (m)	Δx	Δy	X	Y	Pto
A	B	328	15	15	73	54	45	84	0	55			930,000	895,000	A	
	1	254	20	30				370	6	10	4,305	4,238	0,755	934,238	895,755	1
B	C	250	49	8	81	13	43	358	15	8			934,200	935,029	B	
	2	169	35	25				277	1	25	7,170	0,877	-7,116	935,077	927,913	2
C	D	137	4	30	0	52	20	268	11	19			961,644	934,192	C	
	3	136	12	10				268	11	19	6,972	-0,220	-6,969	961,424	927,223	3

Calculo de edificio

Pto	X	Y	Δx	Δy	Longitud	Rumbo			Cuadrante		Angulo interno			SX	SY	Producto	Producto		
1	934,24	895,76	0,8387	32,1575	32,1685	88	30		21	N	E	90	9	32	1869,3152	1823,6678	1529,5585	60112,5427	
2	935,08	927,91	26,3471	-0,6894	26,3561	1	29		55	N	W	89	59	43	1896,5011	1855,1359	48877,4775	-1307,4704	
3	961,42	927,22	-1,0179	-32,2233	32,2394	88	11		26	S	W	89	41	22	1921,8302	1822,2232	-1854,9159	-61927,7922	
4	960,41	895,00	-26,1679	0,7552	26,1788	1	39		11	S	E	90	9	23	1894,6444	1790,7551	-46860,2981	1430,8979	
1	934,24	895,76													2 Sup =	1691,8220	-1691,8220		
																Sup=	845,9110		