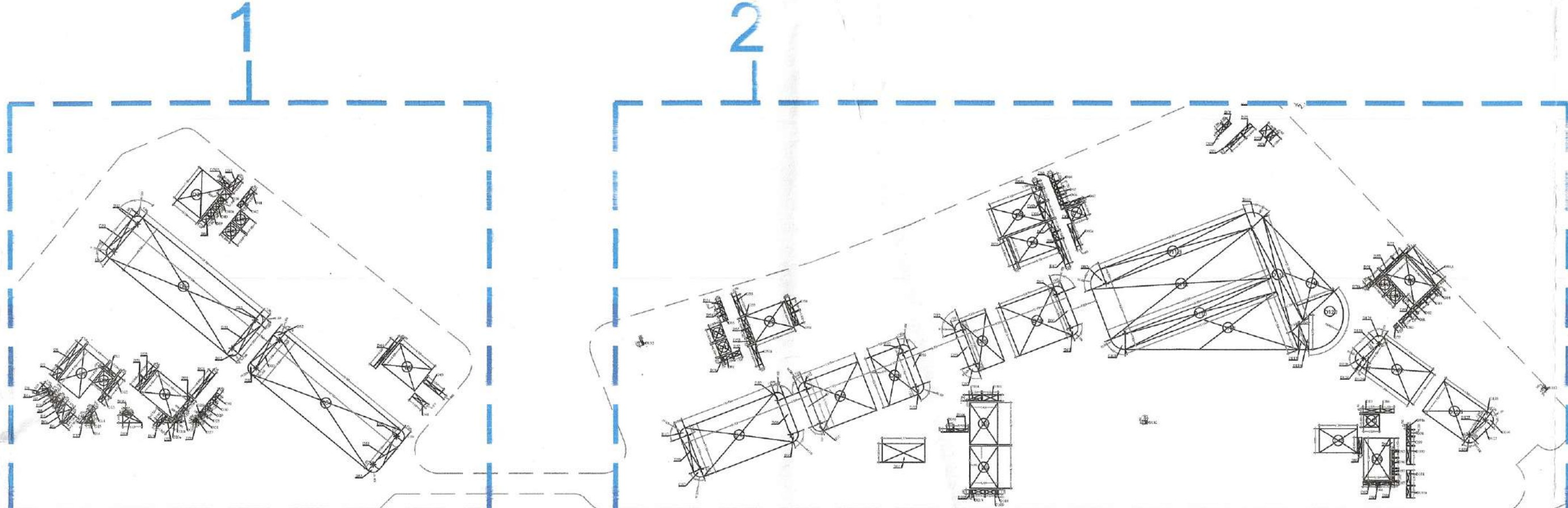
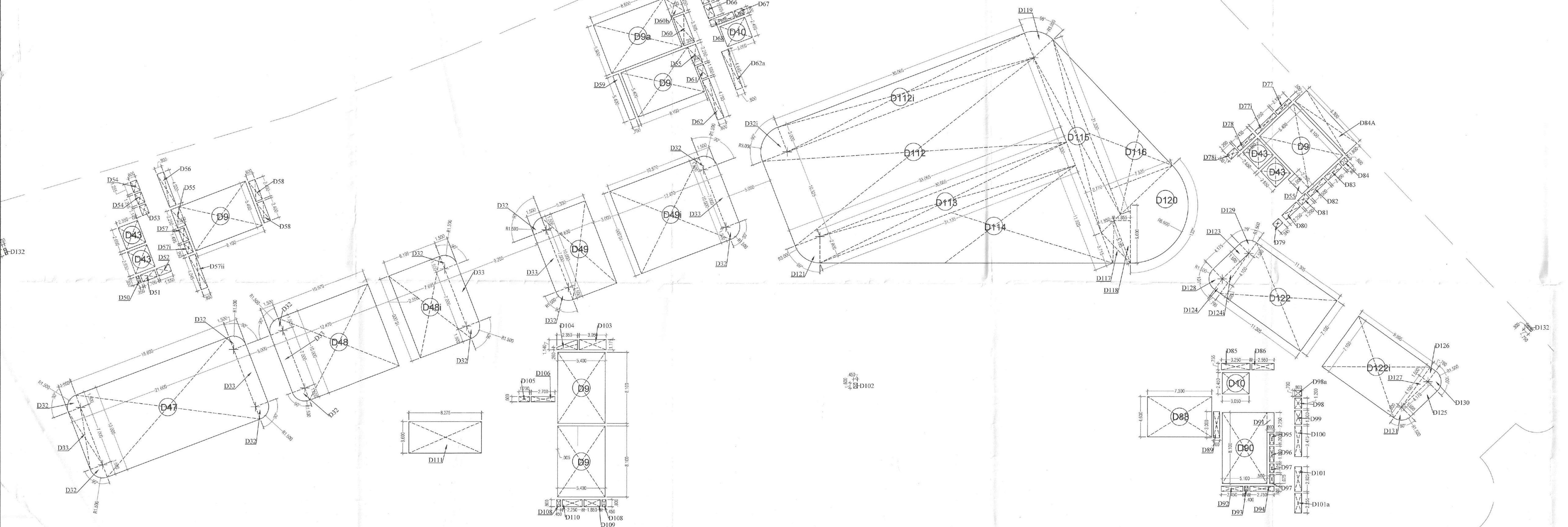
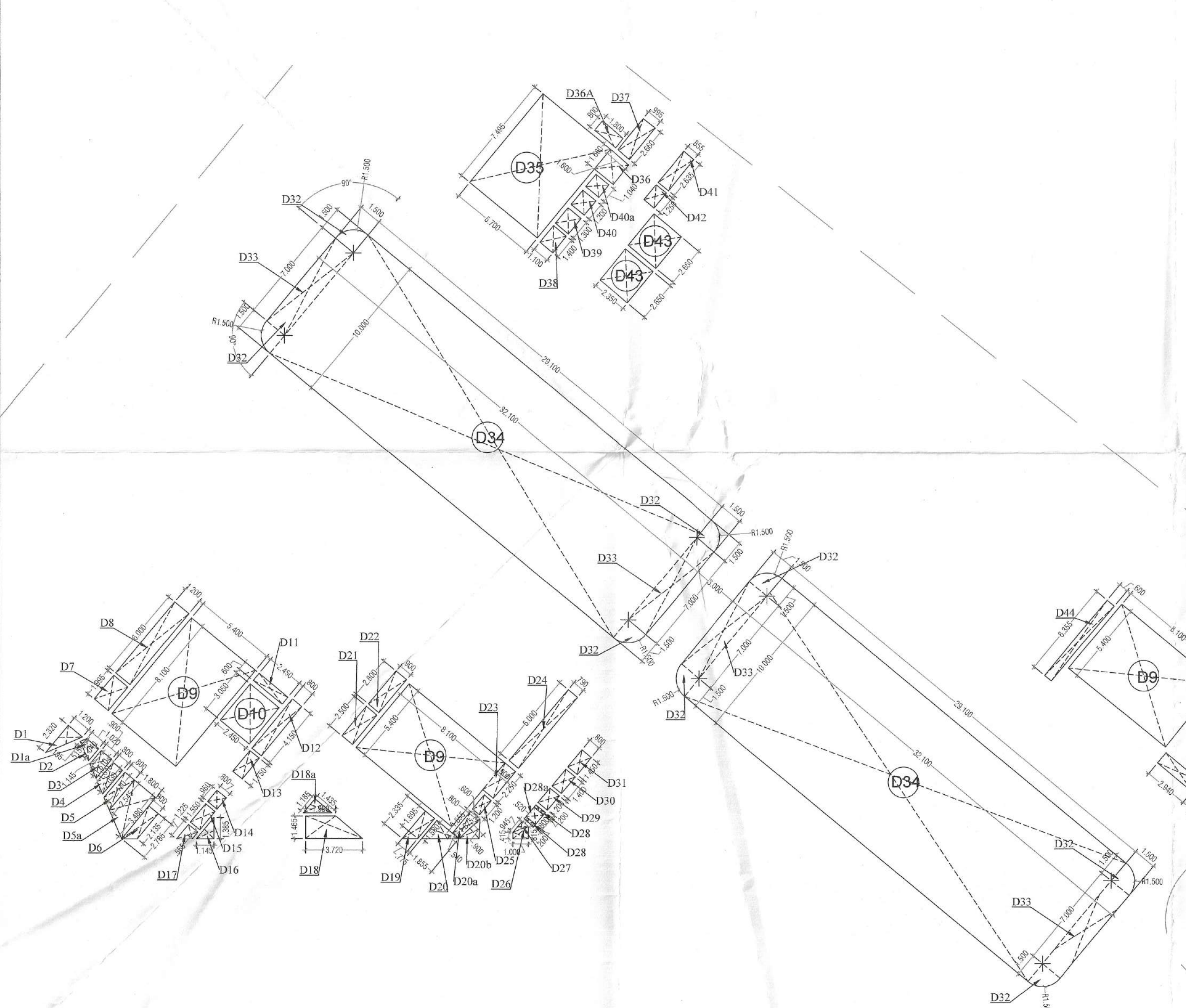




KEY PLAN - AREA DIAGRAM- DEDUCTIONS



FIRST FLOOR- AREA DIAGRAM DEDUCTIONS -2



FIRST FLOOR- AREA DIAGRAM- DEDUCTIONS -1

S.NO.	SHAPE	PIR	RADIUS	RADIUS	No	Total Area
A17	CIRCLE	3.35	0.3	0.3	9	2.543
TOTAL (W)						2.543

S. NO.	SHAPE	PIR	ARC RADIUS (R)	ARC RADIUS (R)	ANGLE	AREA OF SECTOR (A)	FACTOR	ARC RADIUS (R)	ARC RADIUS (R)	SIN (ANGLE)	AREA OF TRIANGLE (B)	AREA OF SEGMENT
DEDUCTIONS												
piR^2/360*(angle/360)												
(1/2)*R^2*(sin(angle/360))												
AR 1	SEGMENT	3.34	3	3	27.39	360	0.083	0.5	3	0.459	0.000	0.083
AR 2	SEGMENT	3.34	3	3	62.65	360	4.918	0.5	3	0.888	5.995	0.922
AR 3	SEGMENT	3.34	4.8	4.8	91.17	360	18.322	0.5	4.8	0.999	11.508	6.813
AR 4	SEGMENT	3.34	4.8	4.8	94.92	360	18.935	0.5	4.8	0.999	11.487	7.448
AR 5	SEGMENT	3.34	1.5	1.5	90	360	1.766	0.5	1.5	1.0	0.175	0.961
AR 6	SEGMENT	3.34	3	3	69.86	360	5.484	0.5	3	0.938	4.221	1.263
AR 7	SEGMENT	3.34	3	3	90	360	7.065	0.5	3	1	4.500	2.665
AR 8	SEGMENT	3.34	3	3	99.99	360	7.378	0.5	3	0.995	4.489	2.889
AR 9	SEGMENT	3.34	5.565	5.565	99.99	360	26.594	0.5	5.565	0.999	15.443	10.152
AR 10	SEGMENT	3.34	5.5	5.5	43.43	360	11.499	0.5	5.5	0.867	10.393	1.268
AR 11	SEGMENT	3.34	3	3	45	360	8.333	0.5	3	0.707	3.182	0.351
AR 12	SEGMENT	3.34	3	3	45	360	8.333	0.5	3	0.707	3.182	0.351
AR 13	SEGMENT	3.34	3	3	45	360	8.333	0.5	3	0.707	3.182	0.351
AR 14	SEGMENT	3.34	5.55	5.55	62.58	360	18.813	0.5	5.55	0.887	13.643	3.152
AR 15	SEGMENT	3.34	5.705	5.705	66.97	360	19.012	0.5	5.705	0.92	14.972	4.040
TOTAL (Y)												41.808

DEDUCTIONS													
S. NO.	SHAPE	pie	ARC RADIUS (R)	ARC RADIUS (R)	ANGLE	AREA OF SECTOR (A)	FACTOR	ARC RADIUS (R)	ARC RADIUS (R)	SIN (ANGLE)	AREA OF TRIANGLE (B)	AREA OF SEGMENT	
						$\frac{\text{pie} \times \text{R}^2 \times \text{angle} / 360}{180}$						$\frac{1}{2} \times \text{R}^2 \times \sin(\text{angle})$	$\frac{A-B}{180}$
ARD 1	SEGMENT	3.14	1.5	1.5	45	360	0.883	0.5	1.5	1.5	0.707	0.795	0.088
ARD 2	SEGMENT	3.14	3.07	3.07	49	360	4.028	0.5	3.07	0.97	0.754	3.553	0.475
ARD 3	SEGMENT	3.14	4.495	4.495	112.13	360	19.764	0.5	4.495	0.802	9.355	10.410	
ARD 4	SEGMENT	3.14	4.545	4.545	129.2	360	23.279	0.5	4.545	0.774	9.984	13.290	
D16	SEGMENT	3.14	2.755	2.755	67.22	360	4.620	0.5	2.755	0.821	3.495	0.955	
TOTAL (Z)												27.211	

DEDUCTION									
		PIR	RADIUS	RADIUS	ANGLE			No.	Area
D02	SECTION	3.34	1.5	1.5	90	360	1.766	20	35.325
D12	SECTION	3.34	3	3	90	360	7.065	1	7.065
D13	SECTION	3.34	3	3	68	360	5.338	1	5.338
D19	SECTION	3.34	6	6	133	360	41.762	1	41.762
D13	SECTION	3.34	3	3	69	360	5.417	1	5.415
D18	SECTION	3.34	1.5	1.5	103	360	1.982	1	1.982
D19	SECTION	3.34	1.5	1.5	79	360	1.550	1	1.550
D19	SECTION	3.34	1.5	1.5	100	360	1.766	1	1.766
D19	SECTION	3.34	1.5	1.5	80	360	1.570	1	1.57
TOTAL DEDUCTIONS (A+B)							3157.889	TOTAL (B)	101.922
FAR AREA FOR 1ST FLOOR									
TOTAL ADDITIONS - TOTAL DEDUCTIONS:							13081.902	SQ.M.	

1ST FLOOR FAR AREA CALCULATIONS DETAIL							
AREA CALCULATION							
S. NO.	SHAPE	LENGTH (M)	WIDTH (M)	HEIGHT (M)	FACTOR	AREA (SQ.MTS)	
ADDITIONS							
A1	TRIANGLE	9.09		17.325	0.5	79.651	
A2	TRAPAZIUM	8.48	9.09	6.265	1	55.298	
A3	TRIANGLE	8.48		17.325	0.5	63.254	
A4	TRAPAZIUM	34.055	43.053	4.925	1	189.785	
A5	TRAPAZIUM	43.055	70.535	22.73	1	1290.496	
A6	TRAPAZIUM	70.535	72.395	1.145	1	81.255	
A7	TRAPAZIUM	70.535	70.535	10.41	1	746.332	
A8	TRAPAZIUM	70.535	75.385	8.09	1	233.635	
A9	TRAPAZIUM	75.385	69.79	6.755	1	490.329	
A10	TRAPAZIUM	69.79	50.6	24.225	1	1458.224	
A11	TRAPAZIUM	50.6	48.045	2.12	1	104.564	
A15	TRAPAZIUM	31.785	24.09	9.76	1	272.670	
A17	TRAPAZIUM	9.76	13.21	7.435	1	85.391	
A18	RECTANGLE	60.595	3.95		1	239.350	
A19	TRIANGLE	4.43			1	19.425	
A20	TRAPAZIUM	5.495	4.43	0.44	1	2.184	
A21	TRIANGLE	8.91			1	10.785	
A22	TRAPAZIUM	8.91	8.185	6.82	1	58.284	
A23	TRIANGLE	8.185			1	6.540	
A24	TRAPAZIUM	5.075	3.365	1.08	1	4.882	
A25	TRAPAZIUM	3.365	2.12	1.245	1	3.414	
A25	TRIANGLE	2.12			0.88	0.933	
A26	RECTANGLE	15.275	3.2		1	49.480	
A26	TRAPAZIUM	11.01	15.765	6.16	1	84.253	
A27	TRIANGLE	6.285			16.42	0.5	51.600
A28	TRAPAZIUM	3.18	6.285	6.335	1	29.886	
A29	TRIANGLE	3.18			0.995	0.5	0.531
A30	TRAPAZIUM	22.185	27.145	11.59	1	294.260	
A31	TRAPAZIUM	40.455	42.825	1.67	1	69.372	
A32	TRAPAZIUM	42.825	44.14	2.12	1	91.971	
A33	TRAPAZIUM	44.14	50.31	20.808	1	982.515	
A34	TRAPAZIUM	50.31	57.47	18.555	1	990.025	
A35	RECTANGLE	92.83	57.47		1	3384.940	
A36	TRIANGLE	57.4			24.785	0.5	711.828
A37	RECTANGLE	23.725	2.09		3.285	0.5	49.585
A37	TRIANGLE	2.09			3.285	0.5	3.186
A37	RECTANGLE	2.915	3.2			1	9.328
A37	SECTOR				3.2	80	8.038
A41	TRAPAZIUM	2.25	1.57	3.145	0.27	6.384	(X+Y/2+Length*Height)
A42	TRIANGLE	1.57			0.785	0.5	0.773
A48	TRAPAZIUM	23.725	26.165	5.605	1	141.313	(X+Y/2+Length*Height)
A49	TRAPAZIUM	26.165	25.47	3.355	1	86.875	(X+Y/2+Length*Height)
A50	TRIANGLE	24.11			25.47	0.5	307.041
A57	TRIANGLE	34.31			36.25	0.5	621.869
A58	RECTANGLE	17.775	17.225		1	377.274	UB
A60	TRAPAZIUM	12.655	1.95	3.78	1	48.455	(X+Y/2+Length*Height)
A60	TRAPAZIUM	9.95	8.005	2.12	1	19.032	(X+Y/2+Length*Height)
A51	TRAPAZIUM	9.975	5.905	3.855	1	30.609	(X+Y/2+Length*Height)
A52	TRAPAZIUM	16.42	16.655	1.67	1	25.948	(X+Y/2+Length*Height)
A53	TRAPAZIUM	16.54	16.42	4.24	1	68.875	(X+Y/2+Length*Height)
A54	TRIANGLE	4.68			0.205	0.5	0.480
A55	RECTANGLE	3.045	1.45			2	8.831
A56	SECTOR				3.772	90	3.772
A57	RECTANGLE	1.555	1.45		2	4.518	
A61	SQUARE	0.85			2	1.445	UB
A63	RECTANGLE	1.55	0.3		3	1.395	UB
A64	RECTANGLE	12.47	3.2		1	39.904	UB
A65	RECTANGLE	21.6	3.08		1	66.528	UB
A68	RECTANGLE	12.47	3.2		1	39.904	UB
TOTAL AREA (X)						16223.322	
TOTAL ADDITIONS (W+X-Y-Z)						16218.762	

DEDUCTIONS												
D01	TRIANGLE	3.2			0.5	1.392					0.500	
D04	TRIANGLE	0.515			0.195	0.5	0.009				0.500	
D02	TRAPAZIUM	1.60	0.515	1.00	1	0.793					0.500	
D03	TRAPAZIUM	1.145	1.48	0.9	1	1.240					0.500	
D04	TRAPAZIUM	1.515	2.00	0.8	1	1.458					0.500	
D05	TRAPAZIUM	2.33	1.545	0.8	1	1.870					0.500	
D06	TRAPAZIUM	2.545	3.48	1.8	1	5.423					0.500	
D07	TRAPAZIUM	2.135	2.785	0.8	1	1.968					0.500	
D07	RECTANGLE	1.295	1.2		1	2.394						
D08	RECTANGLE	6	1.2		1	7.200						
D09	RECTANGLE	5.4	0.8		1	349.520						
D09	RECTANGLE	8.6	5.9		1	50.740						
D10	RECTANGLE	2.45	3.05		3	22.418						
D11	RECTANGLE	2.45	0.8		3	1.478						
D12	RECTANGLE	4.15	0.8		1	3.320						
D13	RECTANGLE	1.75	0.8		1	1.400						
D14	RECTANGLE	0.95	0.8		1	0.760						
D15	RECTANGLE	1.55	0.8		1	1.240						
D16	TRIANGLE	1.145			1.385	0.5	0.793				0.500	
D17	TRAPAZIUM	1.225	0.565	0.8	1	0.716					0.500	
D18	TRAPAZIUM	1.96	3.72	1.485	1	4.453					0.500	
D19	TRIANGLE	1.185			1.485	0.5	0.803				0.500	
D20	TRIANGLE	1.53			1.855	0.5	1.418				0.500	
D21	TRAPAZIUM	0.54	0.8	1.855	1	1.243					0.500	
D20	TRIANGLE	1.875			0.5	0.844					0.500	
D21	RECTANGLE	2.5	0.9		1	2.250						
D22	RECTANGLE	2.8	0.9		1	2.520						
D23	RECTANGLE	2.95	0.9		1	2.655						
D24	RECTANGLE	6	0.79		1	4.740						
D25	RECTANGLE	1.2	0.8		1	0.961						
D26	TRAPAZIUM	0.415	0.	0.815	0.32	0.2	0.345				0.500	
D28	RECTANGLE	0.2	0.8		2	0.370						
D38	RECTANGLE	0.8	0.8		1	0.640						
D39	RECTANGLE	1.2	0.8		1	0.961						
D30	RECTANGLE	1.4	0.8		1	1.130						
D40	RECTANGLE	1.6	1.40		1	1.360						
D31	RECTANGLE	7	1.5		80	105.000						
D42	RECTANGLE	29.1			2	58.000						
D43	RECTANGLE	7.7	0.65	0.7	1	4.772						
D32	RECTANGLE	1.5	1.66		1	2.656						
D44	RECTANGLE	3.405			1	4.442						
D37	RECTANGLE	2.66	0.955		1	2.647						
D36	RECTANGLE	1.58	1.58		1	1.58						
D35	RECTANGLE	1.1	1.1		1	1.470						
D40	RECTANGLE	1.2	1.1		1	1.320						
D41	RECTANGLE	1.08	1.08		1	1.344						
D41	RECTANGLE	0.835	0.835		1	1.233						
D42	RECTANGLE	1.26	1.26		1	1.56						
D43	RECTANGLE	2.66	2.35		6	37.315						
D44	RECTANGLE	8.855	0.8		1	2.813						
D45	RECTANGLE	18.6	0.8		1	5.840						
D45	RECTANGLE	2.94	0.87		1	2.538						
D46	RECTANGLE	18.6	0.8		1	5.840						
D46	RECTANGLE	10.9	1.0		1	129.700						
D48	RECTANGLE	6.195	1.0		1	61.950						
D49	RECTANGLE	1.165	1.165		1	1.330						
D49	RECTANGLE	0.87	1.0		1	1.06700						
D50	RECTANGLE	0.87	1.0		1	1.06700						
D51	RECTANGLE	1.7	0.85		1	1.445						
D52	RECTANGLE	1.55	0.85		1	1.318						
D53	RECTANGLE	1.165	1.165		1	1.330						
D54	RECTANGLE	1.25	0.8		1	0.988						
D55	RECTANGLE	1.375	0.8		1	2.008						
D56	RECTANGLE	1.25	0.8		1	1.560						
D56	RECTANGLE	0.12	0.805		1	0.836						
D57	RECTANGLE	1.995	0.8		1	1.196						
D57	RECTANGLE	1.25	0.8		1	1.000						
D57E	RECTANGLE	4.005	0.8		1	2.136						
D58	RECTANGLE	2.2	0.8		1	1.600						
D59	RECTANGLE	5.4	0.7		1	1.760						
D60	RECTANGLE	3.395	1.3		1	4.194						
D61	RECTANGLE	1.39	0.8		1	1.11						
D60	RECTANGLE	2.25	1.7		1	1.895						
D61	RECTANGLE	1.5	0.8		1	1.200						
D62	RECTANGLE	4.795	0.8		1	1.836						
D62E	RECTANGLE	4.445	0.8		1	1.718						
D63	RECTANGLE	1.39	0.8		1	1.031						
D64	RECTANGLE	1.325	0.8		1	1.004						
D65	RECTANGLE	1.3	0.5		1	0.945						
D66	RECTANGLE	1.555	0.8		1	1.244						
D67	RECTANGLE	1	0.8		1	0.880						
D68	RECTANGLE	0.8	0.8		1	0.880						
D69	RECTANGLE	1.43	0.795		1	1.183						
D70	RECTANGLE	1.5	0.8		1	1.064						
D71	RECTANGLE	3.55	0.8		1	2.840						
D72	RECTANGLE	2.445	0.8		1	1.998						
D73	RECTANGLE	2.8	0.8		1	1.880						
D74	RECTANGLE	2	0.865		1	1.760						
D75	TRIANGLE	2.285			2.045	0.5	2.813				0.500	
D77	RECTANGLE	2.35	0.5		1	1.075						
D78	RECTANGLE	1.35	0.5		1	1.525						
D79	RECTANGLE	2.485	0.5		1	2.715						
D78E	RECTANGLE	1.2	0.7		1	0.840						
D79E	RECTANGLE	0.885	0.7		1	0.560						
D80	RECTANGLE	2.5	0.7		1	1.350						
D81	RECTANGLE	1.3	0.7		1	0.770						
D82	RECTANGLE	2.3	0.6		1	1.300						
D83	RECTANGLE	2.2	0.6		1	1.275						
D84	RECTANGLE	0.8	0.8		1	0.640						
D84E	RECTANGLE	0.3	1.8		1	1.6400						
D85	RECTANGLE	1.35	0.7		1	1.035						
D86	RECTANGLE	2.55	0.795		1	1.955						
D87	RECTANGLE	7.3	0.6		1	35.500						
D88	RECTANGLE	2	0.7		1	2.100						
D89	RECTANGLE	5.1	8.1		1	41.310						
D90	RECTANGLE	2.25	0.2		1	0.450						
D90	RECTANGLE	2.45	0.6		1	1.470						
D92	RECTANGLE	0.4	0.6		1	0.240						
D93	RECTANGLE	2.25	0.2		1	0.450						