

Copy Design Office

O. H. M. S.

Series II

P/Models/14

A.V. ROE CANADA LTD.

C-105 Low Speed Model .07 scale

S E C R E T

National Research Council
Ottawa 2, Canada

SECRET

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O. H. M. S.

Series II

P/Models/14

A.V. ROE CANADA LTD.

C-105 Low Speed Model .07 scale

S E C R E T

National Research Council
Ottawa 2, Canada

SECRET

9 Feb. 1955

WING DATA
'C-105 AIRCRAFT'

P/Models/14

sk
mm

STA: X_w 0.0000 (Wing Ref. Plane System)

SECRET

X = 0.000
X_w = 0.000
Y_{L.E.} = 0.000
Chord = 37.8008

CODE	GEN. R NO.	Y _w	Z _w UPR.	Z _w LWR.
	L/E	0	0	0
	1	0.0170	0.0408	0.0485
	2	0.0341	0.0579	0.0690
	4	0.0681	0.0817	0.0935
	5	0.0864	0.0913	0.1043
	7	0.1398	0.1127	0.1310
	9	0.2103	0.1353	0.1600
	11	0.4194	0.1815	0.2256
	14	1.0501	0.2557	0.3543
	17	1.6797	0.2988	0.4466
	20	2.3103	0.3257	0.5217
	23	2.9399	0.3463	0.5839
	26	3.5683	0.3616	0.6387
(3)	28-A	4.2456	0.3745	0.6902
	31	4.8288	0.3823	0.7300
	34	5.4601	0.3901	0.7688
	37	6.0903	0.3967	0.8006
	40	6.7193	0.3999	0.8314
	43	7.3495	0.4042	0.8576
	46	7.9797	0.4075	0.8805
	49	8.6099	0.4085	0.8990
	52	9.2390	0.4095	0.9175
	55	9.8691	0.4105	0.9303
	58	10.4993	0.4105	0.9396
	61	11.1295	0.4092	0.9481
	64	11.7585	0.4067	0.9530
	67	12.3888	0.4056	0.9535
	70	13.0190	0.4019	0.9527
	73	13.6503	0.3973	0.9511
	76	14.2805	0.3938	0.9460
	79	14.9095	0.3879	0.9397
	82	15.5397	0.3832	0.9324
	85	16.1699	0.3763	0.9229
	88	16.8001	0.3695	0.9121
	91	17.4291	0.3626	0.9005
	94	18.0593	0.3545	0.8865
	97	18.6895	0.3452	0.8716
	100	19.3197	0.3361	0.8531
	103	19.9488	0.3278	0.8347
	106	20.5789	0.3177	0.8139
	109	21.2091	0.3075	0.7933
	112	21.8505	0.2972	0.7692
	115	22.4707	0.2869	0.7440
	116-A	22.7545	0.2823	0.7334
	118	23.0990	0.2767	0.7156

9 Feb. 1955

P/Models/14

<u>CODE</u>	<u>GEN.R NO.</u>	<u>Y_w</u>	<u>Z_w UPR.</u>	<u>Z_w LWR.</u>
	121	23.7298	0.2644	0.6851
	124	24.3596	0.2530	0.6513
	127	24.9905	0.2409	0.6200
	130	25.6189	0.2311	0.5877
	133	26.2498	0.2190	0.5557
	136	26.8796	0.2092	0.5248
	136-A	27.0991	0.2047	0.5137
	139	27.7196	0.1939	0.4855
	142	28.3505	0.1842	0.4550
	145	28.9790	0.1735	0.4261
	148	29.6029	0.1639	0.3970
	151	30.2396	0.1525	0.3682
	154	31.1704	0.1422	0.3396
(1)	R/S	31.4460	0.1347	0.3151
(2)		33.3908	0.1027	0.2280
	T/E	37.8008	0.032	0.032

Generating pattern defines straight line sections.

Main spar not a generator.

- (1) Elevator hinge centre line.
- (2) 'Z' value normal to mean line.
- (3) Pattern transition generator.

Date: 10/9/54
Issue: 5

P/Models/14 7-1-6

WING DATA
'C-105 AIRCRAFT'

SECRET

Buttock Cut: X_F = 0.000"
Fuselage System: X_W = 0.000"
 $Y_{L.E.}$ = 0.000"
 Z_{WR} = 0.000"
Chord = 37.800"

CODE	GEN. R NO.	UPPER		LOWER	
		Y_W	Z_W'	Y_W	Z_W'
	L/E	0.000	0.000	0.000	0.000
	1	0.012	0.041	0.024	0.049
	2	0.028	0.058	0.044	0.068
	4	0.060	0.082	0.082	0.093
	5	0.076	0.091	0.101	0.104
	7	0.126	0.113	0.157	0.131
	9	0.193	0.136	0.230	0.160
	11	0.397	0.182	0.449	0.225
	14	1.018	0.257	1.094	0.355
	17	1.643	0.299	1.735	0.447
	20	2.270	0.327	2.373	0.521
	23	2.899	0.347	3.010	0.585
	26	3.527	0.363	3.645	0.640
(3)	28-A	4.202	0.376	4.326	0.691
	31	4.787	0.384	4.912	0.730
	34	5.417	0.392	5.545	0.768
	37	6.047	0.398	6.176	0.802
	40	6.678	0.402	6.807	0.831
	43	7.309	0.406	7.438	0.857
	46	7.939	0.409	8.068	0.880
	49	8.570	0.411	8.697	0.899
	52	9.201	0.412	9.326	0.916
	55	9.832	0.412	9.955	0.929
	58	10.463	0.412	10.583	0.940
	61	11.095	0.411	11.211	0.947
	64	11.726	0.409	11.839	0.952
	67	12.357	0.406	12.467	0.953
	70	12.989	0.403	13.094	0.953
	73	13.620	0.399	13.722	0.950
	76	14.251	0.395	14.349	0.946
	79	14.883	0.389	14.976	0.940
	82	15.514	0.384	15.603	0.932
	85	16.146	0.378	16.230	0.923
	88	16.777	0.371	16.856	0.912
	91	17.408	0.363	17.483	0.900
	94	18.040	0.355	18.110	0.886
	97	18.671	0.347	18.737	0.871
	100	19.303	0.338	19.364	0.854
	103	19.934	0.328	19.990	0.835
	106	20.565	0.319	20.617	0.814
	109	21.197	0.308	21.244	0.793
	112	21.828	0.298	21.871	0.770
	115	22.459	0.288	22.498	0.745
	116-A	22.745	0.283	22.782	0.732
	118	23.090	0.277	23.126	0.716
	121	23.721	0.265	23.753	0.685
	124	24.352	0.254	24.381	0.653

Date: 10/9/54
Issue: 5

P/Models/14 7-1-6

CODE	Gen. No.	UPPER		LOWER	
		Y_W	Z_W'	Y_W	Z_W'
	127	24.983	0.243	25.009	0.621
	130	25.613	0.231	25.637	0.589
	133	26.244	0.220	26.265	0.557
	136	26.875	0.209	26.894	0.526
	136-A	27.095	0.205	27.113	0.515
	139	27.715	0.195	27.731	0.485
	142	28.346	0.184	28.360	0.456
	145	28.976	0.174	28.989	0.426
	148	29.607	0.163	29.617	0.397
	151	30.237	0.153	30.246	0.369
	154	30.868	0.143	30.875	0.341
	R/S	31.443	0.134	31.450	0.315
(2)	T/E	37.799	0.032	37.801	0.032

Generating Pattern defines straight line sections.

Front and Main Spars not generators.

- (2) 'Z' value measured in plane of fuselage buttock.
- (3) Pattern transition generator.

$$X_F = 0.000$$

Date: 4.2.55

WING DATA
'C-105 AIRCRAFT'

P/Models/14

sp h m

STA: 1.0000

X = 0.99756
X_w = 1.000
Y_{L.E.} = 1.8327
Chord = 36.1657

SECRET

CODE	GEN. R NO.	Y _w	DIST. L.E.	Z _w UPPER	Z _w LOWER
	L/E	1.8327	0.0000	0	0
	1	1.8500	0.0173	0.0390	0.0463
	2	1.8664	0.0337	0.0554	0.0658
	4	1.8990	0.0663	0.0781	0.0894
	5	1.9165	0.0838	0.0873	0.0997
	7	1.9676	0.1349	0.1078	0.1253
	9	2.0351	0.2024	0.1294	0.1530
	11	2.2354	0.4027	0.1736	0.2157
	14	2.8394	1.0067	0.2445	0.3389
	17	3.4424	1.6097	0.2856	0.4272
	20	4.0463	2.2136	0.3113	0.4991
	23	4.6493	2.8166	0.3309	0.5586
	26	5.2512	3.4185	0.3454	0.6110
(3)	28-A	5.8998	4.0671	0.3577	0.6603
	31	6.4474	4.6147	0.3650	0.6977
	34	7.0401	5.2074	0.3723	0.7341
	37	7.6318	5.8491	0.3785	0.7641
	40	8.2224	6.3897	0.3816	0.7931
	43	8.8141	6.9814	0.3857	0.8179
	46	9.4058	7.5731	0.3888	0.8396
	49	9.9975	8.1648	0.3898	0.8572
	52	10.5882	8.7555	0.3908	0.8747
	55	11.1798	9.3471	0.3918	0.8870
	58	11.7715	9.9388	0.3918	0.8961
	61	12.3632	10.5305	0.3907	0.9043
	64	12.9538	11.1211	0.3885	0.9093
	67	13.5456	11.7129	0.3875	0.9101
	70	14.1372	12.3045	0.3842	0.9098
	73	14.7300	12.8973	0.3800	0.9086
	76	15.3217	13.4890	0.3768	0.9042
	79	15.9123	14.0796	0.3715	0.8987
	82	16.5040	14.6713	0.3672	0.8922
	85	17.0957	15.2630	0.3609	0.8837
	88	17.6874	15.8547	0.3546	0.8740
	91	18.2780	16.4453	0.3483	0.8634
	94	18.8697	17.0370	0.3409	0.8507
	97	19.4614	17.6287	0.3324	0.8370
	100	20.0531	18.2204	0.3240	0.8201
	103	20.6438	18.8111	0.3166	0.8032
	106	21.2354	19.4027	0.3071	0.7842
	109	21.8271	19.9944	0.2977	0.7652
	112	22.4199	20.5872	0.2882	0.7431
	115	23.0116	21.1789	0.2787	0.7199
	116-A	23.2781	21.4454	0.2745	0.7093
	118	23.6097	21.7770	0.2693	0.6937
	121	24.2168	22.3841	0.2578	0.6654
	124	24.8230	22.9903	0.2473	0.6340

<u>CODE</u>	<u>GEN. R NO.</u>	<u>Y_w</u>	<u>DIST. LE.</u>	<u>Z_w UPPER</u>	<u>Z_w LOWER</u>
	127	25.4302	23.5975	0.2359	0.6048
	130	26.0351	24.2024	0.2266	0.5746
	133	26.6423	24.8096	0.2152	0.5445
	136	27.2485	25.4158	0.2059	0.5154
	136-A	27.4598	25.6271	0.2017	0.5050
	139	28.0570	26.2243	0.1914	0.4782
	142	28.6642	26.8315	0.1822	0.4493
	145	29.2692	27.4365	0.1719	0.4216
	148	29.8700	28.0373	0.1627	0.3938
	151	30.4825	28.6498	0.1518	0.3662
	154	31.0896	29.2569	0.1419	0.3387
	R/S	31.6436	29.8109	0.1346	0.3151
(1)		33.5884	31.7557	0.1027	0.2280
(2)	T/E	37.9984	36.1657	0.032	0.032

Generating pattern defines straight line sections

Main spar not a generator

- (1) Elevator hinge centre line
- (2) 'Z' value normal to mean line
- (3) Pattern transition generator.

Date: 27/1/55

P/Models/14

WING DATA
'C-105 AIRCRAFT'

STA: 2.000

X = 1.9951
X_w = 2.0000
YL.E. = 3.6665
Chord = 34.5295

ck hmm
SECRET

CODE	GEN. R NO.	Y _w	DIST. L.E.	Z _w UPR.	Z _w LWR.
	L/E	3.6665	0.0000	0	0
	1	3.6830	0.0165	0.0372	0.0441
	2	3.6987	0.0322	0.0529	0.0626
	4	3.7299	0.0634	0.0745	0.0853
	5	3.7466	0.0801	0.0833	0.0951
	7	3.7954	0.1289	0.1029	0.1196
	9	3.8599	0.1934	0.1235	0.1460
	11	4.0514	0.3849	0.1657	0.2058
	14	4.6287	0.9622	0.2333	0.3235
	17	5.2051	1.5386	0.2724	0.4078
	20	5.7823	2.1158	0.2969	0.4765
	23	6.3587	2.6922	0.3155	0.5333
	26	6.9341	3.2676	0.3292	0.5833
(3)	28-A	7.5540	3.8875	0.3409	0.6304
	31	8.0660	4.3995	0.3477	0.6654
	34	8.6201	4.9536	0.3545	0.6994
	37	9.1733	5.5068	0.3603	0.7276
	40	9.7255	6.0590	0.3633	0.7548
	43	10.2787	6.6122	0.3672	0.7782
	46	10.8319	7.1654	0.3701	0.7987
	49	11.3851	7.7186	0.3711	0.8154
	52	11.9374	8.2709	0.3721	0.8319
	55	12.4905	8.8240	0.3731	0.8437
	58	13.0437	9.3772	0.3731	0.8526
	61	13.5969	9.9304	0.3722	0.8605
	64	14.1491	10.4826	0.3703	0.8656
	67	14.7024	11.0359	0.3694	0.8667
	70	15.2554	11.5889	0.3665	0.8669
	73	15.8097	12.1432	0.3627	0.8661
	76	16.3629	12.6964	0.3598	0.8624
	79	16.9151	13.2486	0.3551	0.8577
	82	17.4683	13.8018	0.3512	0.8520
	85	18.0215	14.3550	0.3455	0.8445
	88	18.5747	14.9082	0.3397	0.8359
	91	19.1269	15.4604	0.3340	0.8263
	94	19.6801	16.0136	0.3273	0.8149
	97	20.2333	16.5668	0.3196	0.8024
	100	20.7865	17.1200	0.3119	0.7871
	103	21.3388	17.6723	0.3054	0.7717
	106	21.8919	18.2254	0.2965	0.7545
	109	22.4451	18.7786	0.2879	0.7371
	112	22.9893	19.3228	0.2792	0.7170
	115	23.5525	19.8860	0.2705	0.6958
	116-A	23.8017	20.1352	0.2667	0.6852
	118	24.1204	20.4539	0.2619	0.6718

<u>CODE</u>	<u>GEN. R NO.</u>	<u>Y_w</u>	<u>DIST. L.E.</u>	<u>Z_w UPR.</u>	<u>Z_w LWR.</u>
	121	24.7038	21.0373	0.2512	0.6457
	124	25.2864	21.6199	0.2416	0.6167
	127	25.8699	22.2034	0.2309	0.5896
	130	26.4513	22.7848	0.2221	0.5615
	133	27.0348	23.3683	0.2114	0.5333
	136	27.6174	23.9509	0.2026	0.5060
	136-A	27.8205	24.1540	0.1987	0.4963
	139	28.3944	24.7279	0.1889	0.4709
	142	28.9779	25.3114	0.1802	0.4436
	145	29.5594	25.8929	0.1703	0.4171
	148	30.1371	26.4706	0.1615	0.3906
	151	30.7254	27.0589	0.1511	0.3642
	154	31.3088	27.6423	0.1416	0.3378
	R/S	31.8412	28.1747	0.1345	0.3151
(1)		33.7860	30.1195	0.1027	0.2280
(2)	T/E	38.1960	34.5295	0.032	0.032

Generating pattern defines straight line sections
Main spar not a generator.

- (1) Elevator hinge centre line
- (2) 'Z' value normal to mean line
- (3) Pattern transition generator.

Date: 4.2.55

STA: 3.0000

X = 2.9927
X_w = 3.0000
Y_{L.E.} = 5.5003
Chord = 32.8933

SECRET

CODE	GEN. R NO.	Y _w	DIST. L.E.	Z _w UPPER	Z _w LOWER
	L/E	5.5003	0.0000	0	0
	1	5.5160	0.0157	0.0354	0.0419
	2	5.5310	0.0307	0.0504	0.0594
	4	5.5608	0.0605	0.0709	0.0812
	5	5.5767	0.0764	0.0793	0.0905
	7	5.6232	0.1229	0.0980	0.1139
	9	5.6847	0.1844	0.1176	0.1390
	11	5.8674	0.3671	0.1578	0.1959
	14	6.4180	0.9177	0.2221	0.3081
	17	6.9678	1.4675	0.2592	0.3884
	20	7.5183	2.0180	0.2825	0.4539
	23	8.0681	2.5678	0.3001	0.5080
	26	8.6170	3.1167	0.3130	0.5556
(3)	28-A	9.2082	3.7079	0.3241	0.6005
	31	9.6846	4.1843	0.3304	0.6331
	34	10.2001	4.6998	0.3367	0.6647
	37	10.7148	5.2145	0.3421	0.6911
	40	11.2286	5.7283	0.3450	0.7165
	43	11.7433	6.2430	0.3487	0.7385
	46	12.2580	6.7577	0.3514	0.7578
	49	12.7727	7.2724	0.3524	0.7736
	52	13.2866	7.7863	0.3534	0.7891
	55	13.8012	8.3010	0.3544	0.8004
	58	14.3159	8.8156	0.3544	0.8091
	61	14.8306	9.3303	0.3537	0.8167
	64	15.3444	9.8441	0.3521	0.8219
	67	15.8592	10.3589	0.3514	0.8233
	70	16.3736	10.8703	0.3488	0.8240
	73	16.8894	11.3891	0.3454	0.8236
	76	17.4041	11.9038	0.3428	0.8206
	79	17.9179	12.4176	0.3387	0.8167
	82	18.4326	12.9323	0.3352	0.8118
	85	18.9473	13.4470	0.3301	0.8053
	88	19.4620	13.9611	0.3248	0.7978
	91	19.9758	14.4755	0.3197	0.7892
	94	20.4905	14.9902	0.3137	0.7791
	97	21.0052	15.5049	0.3068	0.7678
	100	21.5199	16.0196	0.2998	0.7541
	103	22.0338	16.5335	0.2942	0.7402
	106	22.5484	17.0481	0.2859	0.7248
	109	23.0631	17.5628	0.2781	0.7090
	112	23.5587	18.0584	0.2702	0.6909
	115	24.0934	18.5931	0.2623	0.6717
	116-A	24.3253	18.8250	0.2589	0.6611
	118	24.6311	19.1308	0.2545	0.6499
	121	25.1908	19.6905	0.2446	0.6260
	124	25.7498	20.2495	0.2359	0.5994

<u>CODE</u>	<u>GEN. R NO.</u>	<u>Y_w</u>	<u>DIST. L.E.</u>	<u>Z_w UPPER</u>	<u>Z_w LOWER</u>
	127	26.3096	20.8093	0.2259	0.5744
	130	26.8675	21.3672	0.2176	0.5484
	133	27.4273	21.9270	0.2076	0.5221
	136	27.9863	22.4860	0.1993	0.4966
	136-A	28.1812	22.6809	0.1957	0.4876
	139	28.7318	23.2315	0.1864	0.4636
	142	29.2916	23.7913	0.1782	0.4379
	145	29.8496	24.3493	0.1687	0.4126
	148	30.4042	24.9039	0.1603	0.3874
	151	30.9683	25.4680	0.1504	0.3622
	154	31.5280	26.0377	0.1413	0.3369
	R/S	32.0388	26.5385	0.1344	0.3151
(1)		33.9836	28.4833	0.1027	0.2280
(2)	T/E	38.3936	32.8933	0.032	0.032

Generating pattern defines straight line sections.

Main spar not a generator

- (1) Elevator hinge centre line
- (2) 'Z' value normal to mean line
- (3) Pattern transition generator.

Date: 5/7/54
Issue: 2

WING DATA

P/Models/14

7-1-03

'C-105 AIRCRAFT'

SECRET

DIRECTRIX 'A'

X = 3.990"

X_w = 4.000"

Y_{L.E.} = 7.334"
Chord = 31.256"

(3)

CODE	GEN.R NO.	Y _w	Dist. L.E.	Z _w UPR.	Z _w LWR.
	L/E	7.334	0.000	0.000	0.000
	1	7.349	0.015	0.034	0.040
	2	7.363	0.029	0.048	0.056
	4	7.392	0.058	0.067	0.077
	5	7.407	0.063	0.075	0.086
	7	7.451	0.117	0.093	0.108
	9	7.509	0.175	0.112	0.132
	11	7.683	0.349	0.150	0.186
	14	8.207	0.873	0.211	0.293
	17	8.730	1.396	0.246	0.369
	20	9.254	1.920	0.268	0.431
	23	9.777	2.443	0.285	0.483
	26	10.300	2.966	0.297	0.528
	28-A	10.8620	3.528	0.307	0.571
	31	11.303	3.969	0.313	0.601
	34	11.780	4.446	0.319	0.630
	37	12.256	4.912	0.324	0.655
	40	12.732	5.398	0.327	0.678
	43	13.208	5.874	0.330	0.699
	46	13.684	6.350	0.333	0.717
	49	14.160	6.826	0.334	0.732
	52	14.636	7.302	0.335	0.746
	55	15.112	7.778	0.336	0.757
	58	15.588	8.254	0.336	0.766
	61	16.064	8.730	0.335	0.773
	64	16.540	9.206	0.334	0.778
	67	17.016	9.682	0.333	0.780
	70	17.492	10.158	0.331	0.781
	73	17.969	10.635	0.328	0.781
	76	18.445	11.111	0.326	0.779
	79	18.921	11.587	0.322	0.776
	82	19.397	12.063	0.319	0.772
	85	19.873	12.539	0.315	0.766
	88	20.349	13.015	0.310	0.760
	91	20.825	13.491	0.305	0.752
	94	21.301	13.967	0.300	0.743
	97	21.777	14.443	0.294	0.733
	100	22.253	14.919	0.288	0.721
	103	22.729	15.395	0.282	0.709
	106	23.205	15.861	0.275	0.695
	109	23.681	16.347	0.268	0.681
	112	24.158	16.824	0.261	0.665
	115	24.634	17.300	0.254	0.648

Date: 5/7/54
Issue: 2

P/Models/14

7-1-03

WING DATA

'C-105 AIRCRAFT'

CODE	GEN.R NO	Y _w	Dist. L.E.	Z _w UPR.	Z _w LWR.
	116-A	24.849	17.515	0.251	0.639
	118	25.142	17.808	0.247	0.628
	121	25.678	18.344	0.238	0.606
	124	26.213	18.879	0.230	0.582
	127	26.749	19.415	0.221	0.559
	130	27.284	19.950	0.213	0.535
	133	27.820	20.486	0.204	0.511
	136	28.355	21.021	0.196	0.487
	136-A	28.542	21.208	0.193	0.479
	139	29.069	21.735	0.184	0.456
	142	29.605	22.271	0.176	0.432
	145	30.140	22.806	0.167	0.408
	148	30.671	23.337	0.159	0.384
	151	31.211	23.877	0.150	0.360
	154	31.747	24.413	0.141	0.336
	R/S	32.236	24.902	0.133	0.315
(1)		34.181	26.847	0.102	0.228
(2)	T/E	38.591	31.257	0.032	0.032

- Generating pattern defines straight line sections.
Main spar not a generator.
- (1) Elevator hinge centre-line.
 - (2) 'Z' value normal to mean line.
 - (3) Pattern transition generator.

Date: 20/12/54

P/Models/14 *dh hmr*

WING DATA

'C-105 AIRCRAFT'

STA: 6.590

$X = 6.574$

$X_w = 6.590$

$Y_{L.E.} = 12.0835$

Chord = 27.0193

SECRET

<u>CODE</u>	<u>GEN. R NO.</u>	<u>Y_w</u>	<u>Dist. L.E.</u>	<u>Z_w UPR.</u>	<u>Z_w LWR.</u>
	L/E	12.0835	0	0	0
	1	12.0965	0.0130	0.02922	0.03419
	2	12.1087	0.0252	0.04151	0.04780
	4	12.1340	0.0505	0.05777	0.06640
	5	12.1470	0.0635	0.06475	0.07404
	7	12.1850	0.1015	0.08035	0.09330
	9	12.2355	0.1520	0.09662	0.1139
	11	12.3867	0.3032	0.1295	0.1604
	14	12.8413	0.7578	0.1820	0.2530
	17	13.2957	1.2122	0.2118	0.3188
	20	13.7502	1.6667	0.2307	0.3726
	23	14.2046	2.1211	0.2450	0.4174
	26	14.6587	2.5752	0.2550	0.4562
(3)	28-A	15.1466	3.0631	0.2636	0.4934
	31	15.4952	3.4117	0.2682	0.5173
	34	15.8722	3.7887	0.2729	0.5401
	37	16.2485	4.1650	0.2768	0.5603
	40	16.6250	4.5415	0.2795	0.5789
	43	17.0013	4.9178	0.2818	0.5961
	46	17.3776	5.2941	0.2845	0.6110
	49	17.7539	5.6704	0.2855	0.6237
	52	18.1304	6.0469	0.2865	0.6353
	55	18.5067	6.4232	0.2875	0.6449
	58	18.8830	6.7995	0.2875	0.6532
	61	19.2593	7.1758	0.2872	0.6595
	64	19.6358	7.5523	0.2868	0.6649
	67	20.0121	7.9286	0.2862	0.6675
	70	20.3884	8.3049	0.2852	0.6699
	73	20.7654	8.6819	0.2832	0.6709
	76	21.1417	9.0582	0.2819	0.6706
	79	21.5183	9.4348	0.2796	0.6697
	82	21.8945	9.8110	0.2776	0.6678
	85	22.2708	10.1873	0.2750	0.6645
	88	22.6471	10.5636	0.2714	0.6612

Date: 20/12/54

P-Models/14

WING DATA

'C-105 AIRCRAFT'

CODE	GEN.R NO.	Y _w	Dist. L.E.	Z _w UPR.	Z _w LWR.
	91	23.0237	10.9402	0.2681	0.6560
	94	23.3999	11.3164	0.2648	0.6500
	97	23.7760	11.6925	0.2609	0.6435
	100	24.1525	12.0690	0.2566	0.6356
	103	24.5291	12.4456	0.2523	0.6273
	106	24.9053	12.8218	0.2477	0.6181
	109	25.2816	13.1981	0.2427	0.6082
	112	25.6587	13.5752	0.2378	0.5973
	115	26.0349	13.9514	0.2328	0.5855
	116-A	26.2051	14.1216	0.2308	0.5792
	118	26.4647	14.3812	0.2279	0.5713
	121	26.9393	14.8558	0.2209	0.5551
	124	27.4132	15.3297	0.2150	0.5372
	127	27.8878	15.8043	0.2080	0.5197
	130	28.3620	16.2785	0.2014	0.5012
	133	28.8366	16.7531	0.1941	0.4820
	136	29.3105	17.2270	0.1875	0.4627
	136-A	29.4762	17.3927	0.1851	0.4564
	139	29.9429	17.8594	0.1775	0.4372
	142	30.4175	18.3340	0.1709	0.4173
	145	30.8916	18.8081	0.1629	0.3964
	148	31.3628	19.2793	0.1559	0.3758
	151	31.8401	19.7566	0.1481	0.3549
	154	32.3147	20.2312	0.1402	0.3336
(1)	R/S	32.7480	20.6645	0.1328	0.3149
(2)		34.6929	22.6094	0.1013	0.228
	T/E	39.1028	27.0193	0.032	0.032

- Generating pattern defines straight line sections.
- (1) Elevator hinge centre-line
 - (2) 'Z' value normal to mean line
 - (3) Pattern transition generator.

Date: 29/12/54

P/Models/14

WING DATA

'C-105 AIRCRAFT'

STA: 7.9193 Wing mounting strut position X_w axis

$X = 7.8999$

$X_w = 7.9193$

$Y_{L.E.} = 14.5212$

Chord = 24.8442

SECRET

<u>CODE</u>	<u>GEN. NO.</u>	<u>Y_w</u>	<u>Dist. L.E.</u>	<u>Z_w UPR.</u>	<u>Z_w LWR.</u>
	L/E	14.5212	0	0	0
	1	14.5331	0.0119	0.02675	0.03122
	2	14.5443	0.0231	0.03816	0.0436
	4	14.5679	0.0467	0.053	0.0610
	5	14.5797	0.0585	0.0595	0.0679
	7	14.6147	0.0935	0.0739	0.0857
	9	14.6613	0.1401	0.0887	0.1046
	11	14.8008	0.2796	0.119	0.1472
	14	15.2198	0.6986	0.167	0.2325
	17	15.6389	1.1177	0.1943	0.2930
	20	16.0579	1.5367	0.2116	0.3426
	23	16.4770	1.9558	0.2245	0.3837
	26	16.8958	2.3746	0.2334	0.4194
(3)	28-A	17.3457	2.8245	0.2413	0.4536
	31	17.9725	3.4513	0.2492	0.4940
	34	18.2976	3.7764	0.2526	0.5117
	40	18.6231	4.1019	0.2551	0.5280
	43	18.9482	4.4270	0.2571	0.5433
	46	19.2733	4.7521	0.2595	0.5566
	49	19.5984	5.0772	0.2605	0.5681
	52	19.9239	5.4027	0.2615	0.5785
	55	20.2490	5.7278	0.2625	0.5874
	58	20.5741	6.0529	0.2625	0.5953
	61	20.8992	6.3780	0.2626	0.6013
	64	21.2247	6.7035	0.2626	0.6068
	67	21.5499	7.0287	0.2621	0.6097
	70	21.8750	7.3538	0.2617	0.6129
	73	22.2007	7.6795	0.2602	0.6144
	76	22.5258	8.0046	0.2593	0.6150
	79	22.8513	8.3301	0.2579	0.6151
	82	23.1764	8.6554	0.2564	0.6143
	85	23.5015	8.9803	0.2545	0.6124
	88	23.8266	9.3054	0.2516	0.6105

Date: 29/12/54

P/Models/14

WING DATA

'C-10 5 AIRCRAFT'

<u>CODE</u>	<u>GEN. NO</u> <u>R.</u>	<u>Y_w</u>	<u>Dist. L.E.</u>	<u>Z_w UPR.</u>	<u>Z_w LWR.</u>
	91	24.1521	9.6309	0.2491	0.6067
	94	24.4772	9.9560	0.2467	0.6023
	97	24.8019	10.2807	0.2438	0.5975
	100	25.1274	10.6062	0.2404	0.5917
	103	25.4529	10.9317	0.2370	0.5854
	106	25.7780	11.2568	0.2336	0.5786
	109	26.1031	11.5819	0.2297	0.5708
	112	26.4288	11.9076	0.2258	0.5626
	115	26.7540	12.2328	0.2219	0.5533
	116-A	26.9012	12.3800	0.2205	0.5485
	118	27.1436	12.6224	0.2180	0.5421
	121	27.5867	13.0655	0.2121	0.5289
	124	28.0292	13.5080	0.2072	0.5142
	127	28.4723	13.9511	0.2013	0.4995
	130	28.9152	14.3940	0.1954	0.4707
	133	29.3583	14.8371	0.189	0.4670
	136	29.8008	15.2796	0.1831	0.4503
	136-A	29.9557	15.4345	0.1811	0.4449
	139	30.3914	15.8702	.17416	0.4275
	142	30.8345	16.3133	0.16824	0.4097
	145	31.2774	16.7562	0.16081	0.3904
	148	31.7179	17.1967	0.14434	0.3716
	151	32.1630	17.6418	0.1471	0.3522
	154	32.6061	18.0849	0.13978	0.3324
	R/S	33.0109	18.4897	0.13273	0.3148
(1)		34.9555	20.4343	0.10184.102	0.2880.228
(2)	T/E	39.3655	24.84423	0.0320	0.0320

Generating pattern defines straight line sections.

- (1) Elevator hinge centre-line
- (2) 'Z' value normal to mean line
- (3) Pattern transition generator

Date: 20/12/54

ck hmr
P/Models/14

WING DATA

'C-105 AIRCRAFT'

STA: 8.590

X = 8.569

X_w = 8.590

Y_{L.E.} = 15.7511

Chord = 23.7469

SECRET

CODE	GEN.R NO.	Y _w	Dist. L.E.	Z _w UPR.	Z _w LWR.
	L/E	15.7571	0	0	0
	1	15.7625	0.0114	0.02552	0.02970
	2	15.7733	0.0222	0.03649	0.04146
	4	15.7958	0.0447	0.05065	0.05822
	5	15.8072	0.0561	0.05683	0.06480
	7	15.8406	0.0895	0.07059	0.08196
	9	15.8853	0.1342	0.08474	0.09990
	11	16.0189	0.2678	0.1137	0.1406
	14	16.4199	0.6688	0.1595	0.2221
	17	16.8213	1.0702	0.1854	0.2800
	20	17.2222	1.4711	0.2020	0.3274
	23	17.6236	1.8725	0.2141	0.3667
	26	18.0245	2.2734	0.2225	0.4008
(3)	28-A	18.4552	2.7041	0.2301	0.4335
	31	18.7324	2.9813	0.2337	0.4526
	34	19.0322	3.2811	0.2372	0.4707
	37	19.3315	3.5804	0.2404	0.4872
	40	19.6312	3.8801	0.2428	0.5023
	43	19.9305	4.2794	0.2446	0.5167
	46	20.2298	4.4787	0.2470	0.5292
	49	20.5291	4.7780	0.2480	0.5400
	52	20.8288	5.0777	0.2490	0.5497
	55	21.1281	5.3770	0.2500	0.5583
	58	21.4274	5.6763	0.2500	0.5661
	61	21.7267	5.9756	0.2502	0.5719
	64	22.0264	6.2753	0.2504	0.5775
	67	22.3257	6.5746	0.2500	0.5807
	70	22.6250	6.8739	0.2498	0.5841
	73	22.9248	7.1737	0.2487	0.5860
	76	23.2241	7.4730	0.2479	0.5870
	79	23.5239	7.7728	0.2469	0.5876
	82	23.8231	8.0720	0.2457	0.5873
	85	24.1224	8.3713	0.2441	0.5861
	88	24.4217	8.6706	0.2416	0.5849
	91	24.7215	8.9704	0.2396	0.5818
	94	25.0207	9.2696	0.2376	0.5782
	97	25.3196	9.5685	0.2353	0.5743
	100	25.6193	9.8682	0.2323	0.5696
	103	25.9191	10.1680	0.2293	0.5642
	106	26.2183	10.4672	0.2265	0.5587

Date: 20/12/54

P/Models/14

WING DATA

'C-105 AIRCRAFT'

CODE	GEN.R No.	Y _w	Dist. L.E.	Z _w UPR.	Z _w LWR.
	109	26.5176	10.7665	0.2232	0.5520
	112	26.8175	11.0664	0.2198	0.5451
	115	27.1167	11.3656	0.2164	0.5372
	116-A	27.2523	11.5012	0.2153	0.5330
	118	27.4861	11.7350	0.2131	0.5274
	121	27.9133	12.1622	0.2077	0.5158
	124	28.3400	12.5889	0.2034	0.5027
	127	28.7672	13.0161	0.1980	0.4893
	130	28.1944	13.4433	0.1924	0.4750
	133	29.6216	13.8705	0.1864	0.4595
	136	30.0483	14.2972	0.1809	0.4440
	136-A	30.1976	14.4465	0.1791	0.4390
	139	30.6177	14.8666	0.1725	0.4227
	142	31.0449	15.2938	0.1669	0.4060
	145	31.4720	15.7209	0.1597	0.3874
	148	31.8970	16.1459	0.1536	0.3695
	151	32.3259	16.5748	0.1466	0.3509
	154	32.7531	17.0020	0.1396	0.3318
	R/S	33.1434	17.3923	0.1327	0.3148
(1)		35.0881	29.3370	0.1021	0.228
(2)	T/E	39.4980	23.7469	0.032	0.032

Generating pattern defines straight line sections.
Mainspar not a generator.

- (1) Elevator hinge centre line
- (2) 'Z' value normal to mean line
- (3) Pattern transition generator.

Date: 29/12/54

OK H2107
P/Models/14

WING DATA

'C-105 AIRCRAFT'

STA: 8.9193

X = 8.8975

X_w = 8.9193

Y_{L.E.} = 16.3550

Chord = 23.2081

SECRET

<u>CODE</u>	<u>GEN. NO</u>	<u>X_w</u>	<u>Dist. L.E.</u>	<u>Z_w UPR.</u>	<u>Z_w LWR.</u>
	<u>L/E</u>				
	1	16.3550	0	0	0
	1	16.3661	0.0111x	0.0249	0.02898
	2	16.3766	0.0216x	0.03565	0.0404
	4	16.3988	0.0438	0.0495	0.0569
	5	16.4098	0.0548x	0.0555	0.0633
	7	16.4425	0.0875	0.0690	0.0801
	9	16.4862	0.1312	0.0828	0.0976
	11	16.6169	0.2619	0.111	0.1373
	14	17.0091	0.6541	0.1558	0.2170
	17	17.4017	1.0467	0.1811	0.2736
	20	17.7939	1.4389	0.1972	0.3200
	23	18.1865	1.8315	0.209	0.3583
	26	18.5787	2.2237	0.2172	0.3917
(3)	28-A	19.0000	2.6450	0.2145	0.4237
	31	19.2654	2.9104	0.2279	0.4420
	34	19.5525	3.1975	0.2314	0.4592
	37	19.8391	3.4841	0.2344	0.4752
	40	20.1262	3.7712	0.2368	0.4897
	43	20.4128	4.0578	0.2384	0.5036
	46	20.6994	4.3444	0.2408	0.5156
	49	20.9860	4.6310	0.2418	0.5263
	52	21.2731	4.9181	0.2428	0.5357
	55	21.5597	5.2047	0.2438	0.5441
	58	21.8463	5.4913	0.2438	0.5518
	61	22.1329	5.7779	0.2441	0.5574
	64	22.4200	6.0650	0.2444	0.5632
	67	22.7067	6.3517	0.2441	0.5663
	70	22.9933	6.6383	0.2440	0.5700
	73	23.2804	6.9254	0.2429	0.5719
	76	23.5670	7.2120	0.2423	0.5731
	79	23.8541	7.4991	0.2415	0.5741
	82	24.1401	7.7851	0.2404	0.5741
	85	24.4273	8.0723	0.2390	0.5732
	88	24.7139	8.3589	0.2366	0.5724

Date: 29/12/54

P/Models/14

WING DATA

'C-105 AIRCRAFT'

CODE	GEN. R NO	Y_w	Dist. L.E.	Z_w UPR.	Z_w LWR.
	91	25.0010	8.6460	0.2349	0.5696
	94	25.2876	8.9326	0.2331	0.5664
	97	25.5737	9.2187	0.231	0.5629
	100	25.8608	9.5058	0.2283	0.5587
	103	26.1479	9.7929	0.2255	0.5538
	106	26.4345	10.0795	0.223	0.5489
	109	26.7211	10.3661	0.220	0.5427
	112	27.0082	10.6532	0.2169	0.5365
	115	27.2949	10.9399	0.2138	0.5292
	116-A	27.4248	11.0698	0.2127	0.5254
	118	27.6543	11.2993	0.2106	0.5202
	121	28.0737	11.7187	0.2055	0.5093
	124	28.4926	12.1376	0.2014	0.4969
	127	28.9121	12.5571	0.1963	0.4843
	130	29.3314	12.9764	0.1909	0.4707
	133	29.7508	13.3958	0.1852	0.4558
	136	30.1734	13.8184	0.1798	0.4409
	136-A	30.3164	13.9614	0.1781	0.4361
	139	30.7288	14.3738	0.1716	0.4203
	142	31.1482	14.7932	0.16626	0.4041
	145	31.5676	15.2126	0.15923	0.3859
	148	31.9850	15.6300	0.14315	0.3684
	151	32.4059	16.0509	0.14636	0.3503
	154	32.8253	16.4703	0.13947	0.3315
(1)	R/S	33.2086	16.8536	0.13266	0.31475
		35.1532	18.7982	0.1018	0.2280
(2)	T/E	39.5631	23.2081	0.032	0.0320

Generating pattern defines straight line sections.

- (1) Elevator hinge centre-line
- (2) 'Z' value normal to mean line.
- (3) Pattern transition generator.

Sta 10.0782

WING DATA
'C-105 AIRCRAFT'

SECRET

Sta 10.0782X = 10.0⁵³⁴~~721~~X_w = 10.0782Y_{L.E.} = 18.4799

Chord = 21.3123

<u>Code</u>	<u>GEN. R NO.</u>	<u>Y_w</u>	<u>Z_w UPR.</u>	<u>Z_w LWR.</u>
	L.E.	18.4799	0.0000	0.00000
	1	18.4900	0.0101	0.02277
	2	18.5000	0.0201	0.03277
	4	18.5200	0.0401	0.04534
	5	18.5302	0.0503	0.05094
	7	18.5604	0.0805	0.06333
	9	18.6006	0.1207	0.07591
	11	18.7210	0.2411	0.1019
	14	19.0826	0.6027	0.1428
	17	19.4441	0.9642	0.1658
	20	19.8057	1.3258	0.1806
	23	20.1671	1.6872	0.1912
	26	20.5286	2.0487	0.1984
(3)	28-A	20.9166	2.4367	0.2051
	31	21.1410	2.6611	0.2079
	34	21.3833	2.9034	0.2107
	37	21.6256	3.1057	0.2133
	40	21.8677	3.3878	0.2155
	43	22.1098	3.6299	0.2169
	46	22.3519	3.8720	0.2191
	49	22.5941	4.1142	0.2201
	52	22.8363	4.3564	0.2211
	55	23.0784	4.5985	0.2221
	58	23.3205	4.8406	0.2221
	61	23.5627	5.0828	0.2227
	64	23.8049	5.3250	0.2233
	67	24.0470	5.5671	0.2231
	70	24.2891	5.8092	0.2235
	73	24.5316	6.0517	0.2229
	76	24.7737	6.2938	0.2225
	79	25.0158	6.5359	0.2225
	82	25.2580	6.7781	0.2220
	85	25.5001	7.0202	0.2212
	88	25.7423	7.2624	0.2194
	91	25.9844	7.5045	0.2184
	94	26.2265	7.7466	0.2174
	97	26.4688	7.9889	0.2162
	100	26.7109	8.2310	0.2142

<u>Code</u>	<u>GEN. NO.</u>	<u>Y_w</u>	<u>Z_w UPR.</u>	<u>Z_w LWR.</u>
	103	26.9531 8.4732	0.2122	0.5173
	106	27.1952 8.7153	0.2108	0.5145
	109	27.4373 8.9574	0.2087	0.5101
	112	27.6797 9.1998	0.2065	0.5062
	115	27.9218 9.4419	0.2043	0.5012
	116-A	28.0314 9.5515	0.2037	0.4986
	118	28.2459 9.766	0.2021	0.4948
	121	28.6378 10.1579	0.1979	0.4865
	124	29.0297 10.548	0.1947	0.4769
	127	29.4217 10.9418	0.1905	0.4667
	130	29.8134 11.4335	0.1857	0.4556
	133	30.2055 11.7256	0.1807	0.4428
	136	30.5973 12.1174	0.1760	0.4301
	136A	30.7343 12.2544	0.1746	0.4261
	139	31.1199 12.6400	0.1688	0.4119
	142	31.5119 13.0320	0.1640	0.3975
	145	31.9037 13.4238	0.1574	0.3807
	148	32.2947 13.8148	0.1518	0.3648
	151	32.6875 14.2076	0.1455	0.3480
	154	33.0795 14.5996	0.1392	0.3305
	R5	33.4374 14.9575	0.1326	0.3147
(1)		35.3822 16.9023	0.102	0.228
(2)	T.E.	39.7922 21.3123	0.03200	0.03200

Generator pattern defines straight line sections

Main span not a generator

- 1- Elevator hinge centre-line
- 2- "Z" value normal to mean line
- 3- Pattern transition generator

Date: 25/1/55
Issue: 1

P/Models/14 7-08-1

WING DATA
'C-105 AIRCRAFT'

SECRET

NOTCH - T/J FAIRING

BASIC WING - 8% CASE

CODE	GEN. R NO.	INBOARD $X_w = 11.368$			OUTBOARD $X_w = 11.823$		
		Y_w	UPPER Z_w	LOWER		UPPER Z_w	LOWER
(1)	L/E	22.382	-0.074	-0.074	23.156	-0.074	-0.074
	1	22.386	0.036	0.111	23.161	0.032	0.114
	2	22.393	-0.013	0.135	23.168	-0.013	0.134
	3	22.400	+0.002	0.152	23.175	+0.001	0.149
	4	22.414	0.024	0.176	23.188	0.021	0.171
	5	22.432	0.044	0.198	23.205	0.042	0.192
	6	22.452	0.065	0.220	23.225	0.061	0.213
	7	22.487	0.090	0.249	23.259	0.086	0.240
	8	22.540	0.119	0.280	23.309	0.114	0.271
	9	22.610	0.147	0.311	23.376	0.141	0.299
(2)		22.632	-	0.318	23.397	-	0.306
	10	22.680	0.170	0.332	23.444	0.163	0.319
(3)		22.710	0.178	-	23.472	0.171	-
	11	22.750	0.188	0.347	23.511	0.181	0.334
	12	22.820	0.202	0.352	23.578	0.194	0.346
	13	22.890	0.212	0.370	23.646	0.204	0.357
	14	23.030	0.225	0.389	23.780	0.216	0.375
	15	23.170	0.233	0.406	23.915	0.224	0.391
	16	23.310	0.238	0.419	24.070	0.231	0.406
(4)	Tangency	23.490	0.242	-0.432	24.223	0.234	-0.417

- (1) L/E of notch profile.
- (2) Lower intersection of basic wing profile.
- (3) Upper intersection of basic wing profile.
- (4) Transition to constant depth section ($Z_w \pm 0.053"$)

Date: 25/1/55

P/models/14 7-08-2

WING DATA

'C-105 AIRCRAFT'

NOTCH - T/J FAIRING

EXTENDED WING - 5% CASE

SECRET

CODE GEN.R NO.		INBOARD $X_w = 11.368$				OUTBOARD $X_w = 11.823$			
		Y_w	DIST.	Z_w		Y_w	DIST.	Z_w	
			L.E.	UPPER	LOWER		L.E.	UPPER	LOWER
(1)	L/E	21.806	0.000	-0.057	-0.057	22.603	0.000	-0.057	-0.507
	1	21.809	0.003	0.040	0.073	22.606	0.003	0.041	0.072
	2	21.816	0.010	0.028	0.085	22.613	0.010	0.029	0.084
	3	21.822	0.016	0.020	0.094	22.619	0.016	0.021	0.092
	4	21.833	0.027	0.010	0.103	22.629	0.026	0.012	0.102
	5	21.843	0.037	-0.002	0.111	22.639	0.036	-0.004	0.110
	6	21.857	0.051	0.007	0.120	22.653	0.050	0.005	0.118
	7	21.882	0.076	0.019	0.132	22.676	0.073	0.016	0.131
	8	21.910	0.104	0.030	0.144	22.703	0.100	0.027	0.142
	9	21.945	0.139	0.042	0.158	22.737	0.134	0.039	0.154
	10	21.980	0.174	0.053	0.170	22.771	0.168	0.050	0.166
	11	22.050	0.244	0.073	0.191	22.838	0.235	0.070	0.187
	12	22.120	0.314	0.091	0.210	22.905	0.302	0.087	0.205
	13	22.190	0.384	0.107	0.227	22.973	0.370	0.103	0.221
	14	22.330	0.524	0.135	0.260	23.107	0.504	0.130	0.252
	15	22.470	0.664	0.160	0.292	23.242	0.639	0.153	0.281
(2)		22.570	0.764	0.175	0.313	23.338	0.735	0.168	0.302
	16	22.610	0.804	0.181	0.321	23.376	0.773	0.174	0.309
	17	22.750	0.944	0.199	0.347	23.511	0.908	0.191	0.334
	18	22.890	1.084	0.213	0.370	23.646	1.043	0.205	0.357
	19	23.030	1.224	0.225	0.389	23.780	1.177	0.216	0.375
	20	23.170	1.364	0.233	0.406	23.915	1.312	0.224	0.391
	21	23.310	1.504	0.238	0.419	24.070	1.467	0.231	0.406
(3)	Tangency	23.490	1.684	0.241	0.431	24.223	1.620	0.234	0.417

(1) Leading edge of notch profile.

(2) Upper and lower intersection of basic wing profile.

(3) Transition to constant depth section ($Z_w + 0.052$ ")

Date: 26/1/55
Issue: 1

P/Models/14

7-08-3

WING DATA
'C-105 AIRCRAFT'

ck
hmm
SECRET

MAXIMUM PROFILE OF FAIRING

$$X_w = 11.543$$

CODE	GEN. R NO.	5% NOTCH			8% NOTCH		
		Y_w	Z_w UPPER	LOWER	Z_w UPPER	LOWER	
(1)		22.865	0.173	0.309	-	-	
(2)		22.926	-	-	-	0.314	
		22.995	0.192	0.336	-	0.334	
		23.003	-	-	0.175	-	
		23.100	0.207	0.358	0.200	0.358	
(3)		23.240	0.227	0.386	0.227	0.386	
(4)		23.380	0.246	0.413	0.246	0.413	
		23.590	0.273	0.451	0.273	0.451	
		23.800	0.297	0.486	0.297	0.486	
		24.010	0.319	0.517	0.319	0.517	
		24.223	0.338	0.546	0.338	0.546	
		24.430	0.355	0.571	0.355	0.571	
		24.640	0.369	0.594	0.369	0.594	
		24.920	0.386	0.620	0.386	0.620	
		25.200	0.400	0.643	0.400	0.643	
		25.480	0.411	0.660	0.411	0.660	
		25.760	0.419	0.675	0.419	0.675	
		26.040	0.423	0.685	0.423	0.685	
		26.320	0.425	0.692	0.425	0.692	
		26.600	0.425	0.694	0.425	0.694	
		26.880	0.423	0.694	0.423	0.694	
		27.160	0.419	0.691	0.419	0.691	
		27.440	0.415	0.685	0.415	0.685	
		27.720	0.408	0.676	0.408	0.676	
		28.000	0.399	0.663	0.399	0.663	
		28.280	0.388	0.648	0.388	0.648	
		St. line to					
		34.999	-	0.258	-	0.258	
		35.064	0.112	-	0.112	-	

(1-2) Intersection of maximum profile with notch profile.

(3) Lower transition to common profile.

(4) Upper transition to common profile.

Sta 10.0782

WING DATA
'C-105 AIRCRAFT'

SECRET

Sta 10.0782X = 10.07⁵³⁴₂₁X_w = 10.0782Y_{L.E.} = 18.4799

Chord = 21.3123

<u>Code</u>	<u>GEN. NO.</u>	<u>Y_w</u>	<u>Z_w UPR.</u>	<u>Z_w LWR.</u>
	L.E.	18.4799	0.0000	0.00000
	1	18.4900	0.0101	0.02277
	2	18.5000	0.0201	0.03277
	4	18.5200	0.0401	0.04534
	5	18.5302	0.0503	0.05094
	7	18.5604	0.0805	0.06333
	9	18.6006	0.1207	0.07591
	11	18.7210	0.2411	0.1019
	14	19.0826	0.6027	0.1428
	17	19.4441	0.9642	0.1658
	20	19.8057	1.3258	0.1806
	23	20.1671	1.6872	0.1912
	26	20.5286	2.0487	0.1984
(3)	28-A	20.9166	2.4367	0.2051
	31	21.1410	2.6611	0.2079
	34	21.3833	2.9034	0.2107
	37	21.6256	3.1057	0.2133
	40	21.8677	3.3878	0.2155
	43	22.1098	3.6299	0.2169
	46	22.3519	3.8720	0.2191
	49	22.5941	4.1142	0.2201
	52	22.8363	4.3564	0.2211
	55	23.0784	4.5985	0.2221
	58	23.3205	4.8406	0.2221
	61	23.5627	5.0828	0.2227
	64	23.8049	5.3250	0.2233
	67	24.0470	5.5671	0.2231
	70	24.2891	5.8092	0.2235
	73	24.5316	6.0517	0.2229
	76	24.7737	6.2938	0.2225
	79	25.0158	6.5359	0.2225
	82	25.2580	6.7781	0.2220
	85	25.5001	7.0202	0.2212
	88	25.7423	7.2624	0.2194
	91	25.9844	7.5045	0.2184
	94	26.2265	7.7466	0.2174
	97	26.4688	7.9889	0.2162
	100	26.7109	8.2310	0.2142

<u>Code</u>	<u>GEN. NO.</u>	<u>Y_w</u>	<u>Z_w UPR.</u>	<u>Z_w LWR.</u>
	103	26.9531 8.4732	0.2122	0.5173
	106	27.1952 8.7153	0.2108	0.5145
	109	27.4373 8.9574	0.2087	0.5101
	112	27.6797 9.1998	0.2065	0.5062
	115	27.9218 9.4419	0.2043	0.5012
	116-A x	28.0314 9.5515	0.2037	0.4986
	118	28.2459 9.766	0.2021	0.4948
	121	28.6378 10.1579	0.1979	0.4865
	124	29.0297 10.548	0.1947	0.4769
	127	29.4217 10.9418	0.1905	0.4667
	130	29.8134 11.4335	0.1857	0.4556
	133	30.2055 11.7256	0.1807	0.4428
	136	30.5973 12.1174	0.1760	0.4301
	136A	30.7343 12.2544	0.1746	0.4261
	139	31.1199 12.6400	0.1688	0.4119
	142	31.5119 13.0320	0.1640	0.3975
	145	31.9037 13.4238	0.1574	0.3807
	148	32.2947 13.8148	0.1518	0.3648
	151	32.6875 14.2076	0.1455	0.3480
	154	33.0795 14.5996	0.1392	0.3305
	R5	33.4374 14.9575	0.1326	0.3147
(1)		35.3822 16.9023	.102	.228
(2)	T.E.	39.7922 21.3123	0.03200	0.03200

Generator pattern defines straight line sections

Main span not a generator

- 1- Elevator hinge centre-line
- 2- "Z" value normal to mean line
- 3- Pattern transition generator

Date: 2/6/54
Issue: 2

WING DATA
'C-105 AIRCRAFT'

P/Models/14 7-1-05
h2787

DIRECTRIX 'B' INNER PANEL

X = 11.5500"
X_w = 11.5782"
Y_{L.E.} = 21.2306
Z_{wr} = .8077"
Chord = 18.8580"

SECRET

CODE	GEN. R NO.	Y _w	Dist. L.E.	Z _w UPR.	Z _w LWR.
	L/E	21.2306	0.0000	0.000	0.000
	1	21.2395	0.0089	0.020	0.023
	2	21.2485	0.0179	0.029	0.032
	4	21.2663	0.0357	0.040	0.046
	5	21.2753	0.0447	0.045	0.051
	7	21.3021	0.0715	0.056	0.065
	9	21.3378	0.1072	0.067	0.079
	11	21.4450	0.2144	0.090	0.111
	14	21.7666	0.5360	0.126	0.176
	17	22.0882	0.8576	0.146	0.222
	20	22.4097	1.1791	0.159	0.260
	23	22.7313	1.5007	0.168	0.291
	26	23.0529	1.8223	0.174	0.318
(3)	28-A	23.3979	2.1673	0.180	0.344
	31	23.5689	2.3383	0.182	0.356
	34	23.7533	2.5227	0.184	0.367
	37	23.9378	2.7072	0.186	0.378
	40	24.1222	2.8916	0.188	0.388
	43	24.3066	3.0760	0.189	0.398
	46	24.4911	3.2605	0.191	0.407
	49	24.6755	3.4449	0.192	0.415
	52	24.8600	3.6294	0.193	0.422
	55	25.0444	3.8138	0.194	0.429
	58	25.2288	3.9982	0.194	0.436
	61	25.4133	4.1827	0.195	0.441
	64	25.5977	4.3671	0.196	0.447
	67	25.7822	4.5516	0.196	0.451
	70	25.9666	4.7360	0.197	0.456
	73	26.1511	4.9205	0.197	0.459
	76	26.3355	5.1049	0.197	0.462
	79	26.5199	5.2893	0.198	0.465
	82	26.7044	5.4738	0.198	0.467
	85	26.8888	5.6582	0.198	0.469
	88	27.0733	5.8427	0.197	0.471
	91	27.2577	6.0271	0.197	0.471
	94	27.4421	6.2115	0.197	0.471
	97	27.6266	6.3960	0.197	0.471
	100	27.8110	6.5804	0.196	0.471
	103	27.9955	6.7649	0.195	0.470
	106	28.1799	6.9493	0.195	0.470
	109	28.3643	7.1337	0.194	0.468
	112	28.5488	7.3182	0.193	0.467
	115	28.7332	7.5026	0.192	0.465
	116-A	28.8167	7.5861	0.192	0.464
	118	29.0119	7.7813	0.191	0.462
	121	29.3683	8.1377	0.188	0.457
	124	29.7248	8.4942	0.186	0.451
	127	30.0813	8.8507	0.183	0.444
	130	30.4377	9.2071	0.179	0.436
	133	30.7942	9.5636	0.175	0.426
	136	31.1507	9.9201	0.171	0.416
	136-A	31.2753	10.0447	0.170	0.413

Date: 2/6/54
Issue: 2

P/Models/14 7-1-05

CODE	GEN. R NO.	Y _w	Dist. L.E.	Z _w UPR.	Z _w LWR.
	139	31.6260	10.3954	0.165	0.401
	142	31.9825	10.7519	0.161	0.389
	145	32.3389	11.1083	0.155	0.374
	148	32.6954	11.4648	0.150	0.360
	151	33.0519	11.8283	0.1444	0.3450
	154	33.4083	12.1777	0.1387	0.3291
	R/S	33.7338	12.5032	0.1335	0.3146
1		35.6786	14.448	0.1023	0.2280
2	T/E	40.0886	18.8580	0.032	0.032

- Generating pattern defines straight line sections.
Main spar not a generator.
- (1) Elevator hinge centre-line.
 - (2) 'Z' value normal to mean line.
 - (3) Pattern transition generator.

Date: 7/5/54
Issue: 1

P/MODELS/14 7-1-05-1

WING DATA
C-105 AIRCRAFT

SECRET

DIRECTRIX 'B' 'OUTER PANEL'

X = 11.550
X_x = 11.5782
Y_{L.E.} = 21.2306
Z_{wr} = 0.8077
Chord = 18.8580

CODE	GEN. R NO.	Y _w	Dist. L.E.	Z _w UPR.	Z _w LWR.
	L/E	21.2306	0.0000	0.000	0.000
	1	21.2708	0.0402	0.042	0.049
	2	21.3213	0.0907	0.062	0.073
	4	21.4219	0.1913	0.086	0.105
	5	21.4720	0.2414	0.094	0.118
	6	21.5220	0.2914	0.101	0.129
	7	21.5718	0.3412	0.108	0.140
	8	21.6215	0.3909	0.113	0.150
	9	21.6710	0.4404	0.118	0.159
	10	21.7697	0.5391	0.127	0.176
	11	21.8678	0.6372	0.133	0.192
	12	21.9654	0.7348	0.140	0.206
	13	22.0624	0.8318	0.145	0.218
	14	22.2548	1.0242	0.153	0.242
	15	22.4451	1.2145	0.160	0.263
	16	22.6333	1.4027	0.165	0.282
	17	23.1857	1.9551	0.177	0.329
	18	23.7205	2.4899	0.187	0.365
	19	24.2386	3.0080	0.189	0.394
	20	24.7406	3.5100	0.192	0.418
	21	25.2274	3.9968	0.194	0.435
	22	25.6996	4.4690	0.196	0.449
	23	26.1579	4.9273	0.197	0.459
	24	26.6028	5.3722	0.198	0.466
	25	27.0350	5.8044	0.197	0.470
	26	27.4550	6.2144	0.197	0.471
	27	27.8633	6.6327	0.196	0.471
	28	28.2603	7.0297	0.194	0.469
	29	28.6466	7.4160	0.193	0.466
	30	29.0226	7.7920	0.191	0.462
	31	29.3886	8.1580	0.188	0.457
	32	29.7451	8.5145	0.186	0.451
	33	30.0925	8.8615	0.183	0.444
	34	30.4310	9.2004	0.179	0.436
	35	30.7610	9.5304	0.176	0.427

Date: 7/5/54
Issue: 2

P/MODELS/14 7-1-05-1

CODE	GEN. NO.	Y _w	Dist. L.E.	Z _w UPR.	Z _w LWR.
	36	31.0829	9.8523	0.172	0.418
	37	31.3968	10.1662	0.168	0.409
	38	31.7032	10.4726	0.164	0.398
	39	32.0023	10.7717	0.160	0.388
	40	32.2944	11.0638	0.156	0.377
	41	32.5796	11.3490	0.152	0.365
	42	32.8582	11.6276	0.147	0.353
	Sym. Tan.	33.0404	11.8098	0.1446	0.3455
(1)		35.274	14.0434	0.109	(0.246)
(2)	T/E	40.087	18.8564	0.032	0.032

Generating pattern defines straight line sections.

(1) Aileron Hinge Centre-Line.

(2) 'Z' Value measured normal to mean line.

Date: 6/12/54
Issue: 1

P/Models/14 7-1-05-2

WING DATA
'C-105 AIRCRAFT'

DIRECTRIX 'B' - OUTER PANEL
LEADING EDGE EXTENSION

XF = 11.550"
Xw = 11.578"
YL.E. = 19.345"
Z_{wr} = 0.808"
Chord = 20.744"

SECRET

CODE	GEN. R NO.	Y _w	Dist. behind L.E.	Z _w UPR.	-Z _w LWR.
(3)	L/E	19.345	0.000	-0.037	0.037
	52	19.352	0.007	-0.020	0.055
	54	19.380	0.035	-0.001	0.079
	56	19.450	0.105	0.022	0.108
	58	19.520	0.175	0.037	0.128
	60	19.590	0.245	0.048	0.142
	62	19.660	0.315	0.057	0.155
	64	19.765	0.420	0.068	0.171
	66	19.905	0.560	0.080	0.188
	68	20.045	0.700	0.090	0.202
	70	20.255	0.910	0.101	0.219
	72	20.535	1.190	0.114	0.237
	74	20.815	1.470	0.124	0.250
	76	21.095	1.750	0.133	0.261
	78	21.445	2.100	0.142	0.272
	80	21.865	2.520	0.152	0.283
	82	22.285	2.940	0.161	0.294
	83	22.495	3.150	0.165	0.300
	84	22.705	3.360	0.169	0.308
	85	22.915	3.570	0.173	0.317
	86	23.125	3.780	0.176	0.327
(4)		23.398	4.053	0.180	0.344
	18	23.721	4.376	0.187	0.365
	19	24.239	4.894	0.189	0.394
	20	24.741	5.396	0.192	0.418
	21	25.227	5.882	0.194	0.435
	22	25.700	6.355	0.196	0.449
	23	26.158	6.813	0.197	0.459
	24	26.603	7.258	0.198	0.466
	25	27.035	7.690	0.197	0.470
	26	27.455	8.110	0.197	0.471
	27	8.518	27.863	0.196	0.471
	28	28.260	8.915	0.194	0.469
	29	28.647	9.302	0.193	0.466
	30	29.023	9.678	0.191	0.462
	31	29.389	10.044	0.188	0.457
	32	29.745	10.400	0.186	0.451
	33	30.093	10.748	0.183	0.444
	34	30.431	11.086	0.179	0.436
	35	30.761	11.416	0.176	0.427
	36	31.083	11.738	0.172	0.418
	37	31.397	12.052	0.168	0.409
	38	31.703	12.358	0.164	0.398
	39	32.002	12.657	0.160	0.388
	40	32.294	12.949	0.156	0.377
	41	32.580	13.235	0.152	0.365
	42	32.858	13.513	0.147	0.353
(1)	Sym. Tan.	33.040	13.695	0.145	0.346
(2)		35.274	15.929	0.109	0.246
(1)	T/E	40.087	20.742	0.032	0.032

Generating pattern defines straight line sections.

- (1) Aileron Hinge Centre line.
- (2) 'Z' value measured normal to mean line.
- (3) Leading edge of extension.
- (4) Transition to basic profile (Line 10).

WING DATA
C-105 AIRCRAFT

sk mmd
SECRET

STATION: 15.008
X 14.9714
Xw 15.008
Y_{L.E.} Z_w 1.0469
Chord 13.2456
Y_{L.E.} = 27.5198
CODE GEN. R NO.

	Y _w	DIST. L.E.	Z _w UPR.	Z _w LWR.
L.E.	27.5198	0	0	0
1	27.5484	0.0286	0.0300	0.0349
2	27.5838	0.0640	0.0439	0.0517
4	27.6545	0.1347	0.0606	0.0741
5	27.6902	0.1704	0.0666	0.0837
6	27.7255	0.2057	0.0712	0.0913
7	27.7602	0.2404	0.0761	0.0992
8	27.7955	0.2757	0.0801	0.1061
9	27.8306	0.3108	0.0837	0.1124
10	27.9001	0.3803	0.0896	0.1246
11	27.9691	0.4493	0.0942	0.1358
12	28.0379	0.5181	0.0992	0.1456
13	28.1064	0.5866	0.1028	0.1542
14	28.2422	0.7224	0.1084	0.1710
15	28.3763	0.8565	0.1134	0.1858
16	28.5089	0.9891	0.1170	0.1993
17	28.8980	1.3782	0.1256	0.2326
18	29.2750	1.7552	0.1328	0.2580
19	29.6402	2.1204	0.1345	0.2784
20	29.9940	2.4742	0.1368	0.2952
21	30.3371	2.8173	0.1378	0.3071
22	30.7427	3.2227	0.1394	0.3173
23	30.9932	3.4734	0.1401	0.3242
24	31.3070	3.7872	0.1407	0.3291
25	31.6116	4.0918	0.1401	0.3321
26	31.9075	4.3877	0.1401	0.3328
27	32.1954	4.6756	0.1394	0.3328
28	32.4751	4.9553	0.1381	0.3315
29	32.7475	5.2277	0.1371	0.3291
30	33.0124	5.4926	0.1361	0.3262
31	33.2703	5.7505	0.1342	0.3225
32	33.5219	6.0021	0.1328	0.3186
33	33.7667	6.2469	0.1305	0.3137
34	34.0054	6.4856	0.1279	0.3077
35	34.2380	6.7182	0.1256	0.3018
36	34.4645	6.9447	0.1233	0.2952
37	34.6858	7.1660	0.1203	0.2890
38	34.9020	7.3822	0.1174	0.2810
39	35.1126	7.5928	0.1147	0.2741
40	35.3186	7.7988	0.1118	0.2662
41	35.5198	8.0000	0.1088	0.2580
42	35.7161	8.1963	0.1055	0.2494
Sym. Tan.	35.8444	8.3246	0.1032	0.2435
(1)	37.2692	9.7494	0.0812	0.1808
(2)	T/E	40.7654	13.2456	0.0251

Generating pattern defines straight line sections

(1) Aileron hinge centre-line

(2) 'Z' value measured normal to mean line.

WING DATA
C-105 AIRCRAFT

SECRET

STATION: 15.008

X 14.9714

Xw 15.008

Y_h Z_w 1.0469

Chord 13.2456

Y_h 27.5198

CODE	GEN. R NO.	Y _w	DIST. L.E.	Z _w UPR.	Z _w LWR.
	L.E.	27.5198	0	0	0
	1	27.5484	0.0286	0.0300	0.0349
	2	27.5838	0.0640	0.0439	0.0517
	4	27.6545	0.1347	0.0606	0.0741
	5	27.6902	0.1704	0.0666	0.0837
	6	27.7255	0.2057	0.0712	0.0913
	7	27.7602	0.2404	0.0761	0.0992
	8	27.7955	0.2757	0.0801	0.1061
	9	27.8306	0.3108	0.0837	0.1124
	10	27.9001	0.3803	0.0896	0.1246
	11	27.9691	0.4493	0.0942	0.1358
	12	28.0379	0.5181	0.0992	0.1456
	13	28.1064	0.5866	0.1028	0.1542
	14	28.2422	0.7224	0.1084	0.1710
	15	28.3763	0.8565	0.1134	0.1858
	16	28.5089	0.9891	0.1170	0.1993
	17	28.8980	1.3782	0.1256	0.2326
	18	29.2750	1.7552	0.1328	0.2580
	19	29.6402	2.1204	0.1345	0.2784
	20	29.9940	2.4742	0.1368	0.2952
	21	30.3371	2.8173	0.1378	0.3071
	22	30.7427	3.2227	0.1394	0.3173
	23	30.9932	3.4734	0.1401	0.3242
	24	31.3070	3.7872	0.1407	0.3291
	25	31.6116	4.0918	0.1401	0.3321
	26	31.9075	4.3877	0.1401	0.3328
	27	32.1954	4.6756	0.1394	0.3328
	28	32.4751	4.9553	0.1381	0.3315
	29	32.7475	5.2277	0.1371	0.3291
	30	33.0124	5.4926	0.1361	0.3262
	31	33.2703	5.7505	0.1342	0.3225
	32	33.5219	6.0021	0.1328	0.3186
	33	33.7667	6.2469	0.1305	0.3137
	34	34.0054	6.4856	0.1279	0.3077
	35	34.2380	6.7182	0.1256	0.3018
	36	34.4645	6.9447	0.1233	0.2952
	37	34.6858	7.1660	0.1203	0.2890
	38	34.9020	7.3822	0.1174	0.2810
	39	35.1126	7.5928	0.1147	0.2741
	40	35.3186	7.7988	0.1118	0.2662
	41	35.5198	8.0000	0.1088	0.2580
	42	35.7161	8.1963	0.1055	0.2494
(1)	Sym. Tan.	35.8444	8.3246	0.1032	0.2435
(2)	T/E	37.2692	9.7494	0.0812	0.1808
		40.7654	13.2456	0.0251	0.0251

Generating pattern defines straight line sections

(1) Aileron hinge centre-line

(2) 'Z' value measured normal to mean line.

Date: 4/5/54
Issue: 2

P/Models/14

7-1-07

WING DATA
C-105 AIRCRAFT

26200

DIRECTRIX 'C' 'OUTER PANEL'

SECRET

X = 21.000"

X_w = 21.051

Y_{L.E.} = 38.601

Z_{wr} = 1.468

Chord = 3.360

CODE GEN. R NO.	Y _w	Dist. L.E.	Z _w UPR.	Z _w LWR.
L/E	38.601	0.000	0.000	0.000
1	38.609	0.008	0.009	0.010
2	38.618	0.017	0.012	0.014
4	38.636	0.035	0.016	0.020
5	38.646	0.045	0.018	0.023
6	38.655	0.054	0.019	0.025
7	38.664	0.063	0.020	0.027
8	38.673	0.072	0.022	0.029
9	38.683	0.082	0.023	0.030
10	38.701	0.100	0.024	0.034
11	38.719	0.118	0.026	0.037
12	38.737	0.136	0.027	0.039
13	38.755	0.154	0.028	0.042
14	38.791	0.190	0.030	0.046
15	38.826	0.225	0.031	0.050
16	38.861	0.260	0.032	0.054
17	38.963	0.362	0.035	0.063
18	39.062	0.461	0.037	0.069
19	39.157	0.556	0.038	0.075
→ 20	39.250	0.649	0.039	0.079
21	39.340	0.739	0.039	0.082
22	39.428	0.827	0.040	0.085
23	39.512	0.911	0.040	0.087
24	39.595	0.994	0.040	0.088
25	39.675	1.074	0.040	0.089
26	39.752	1.151	0.040	0.089
27	39.828	1.227	0.040	0.089
28	39.901	1.300	0.040	0.089
29	39.973	1.372	0.039	0.088
30	40.042	1.441	0.039	0.087
31	40.110	1.509	0.039	0.086
32	40.176	1.575	0.039	0.085
33	40.240	1.639	0.038	0.084
34	40.303	1.702	0.038	0.082
35	40.364	1.763	0.037	0.081
36	40.423	1.822	0.037	0.079
37	40.481	1.880	0.036	0.077
38	40.538	1.937	0.035	0.075
39	40.593	1.992	0.035	0.073
40	40.647	2.046	0.034	0.071
41	40.700	2.099	0.033	0.069
42	40.751	2.150	0.032	0.067
(1) Sym. Tan.	40.785	2.184	0.032	0.065
(2) T/E	41.961	3.360	0.013	0.013

Date: 4/5/54
Issue: 1

P/Models/14 7-1-07

Generating pattern defines straight line sections.

- (1) Aileron hinge centre-line.
- (2) 'Z' value measured normal to mean line.

Date: 6/12/54
Issue: 1

WING DATA
'C-105 AIRCRAFT'

P/Models/14 7-1-07-1

DIRECTRIX 'C' - OUTER PANEL
LEADING EDGE EXTENSION

X_F = 21.000"
X_w = 21.051"
Y_{L.E.} = 38.252"
Z_{wr} = 1.468"
Chord = 3.709"

C.W. = 285714

SECRET

CODE	GEN. R NO.	Y _w	Dist. behind L.E.	Z _w UPR.	-Z _w LWR.
(3)	L/E	38.252	0.000	-0.012	0.012
	52	38.254	0.002	-0.009	0.017
	54	38.259	0.007	-0.005	0.021
	56	38.272	0.020	-0.001	0.026
	58	38.285	0.033	0.002	0.029
	60	38.298	0.046	0.004	0.032
	62	38.311	0.059	0.006	0.034
	64	38.330	0.078	0.009	0.036
	66	38.356	0.104	0.011	0.039
	68	38.382	0.130	0.014	0.041
	70	38.421	0.169	0.017	0.044
	72	38.472	0.220	0.020	0.047
	74	38.524	0.272	0.023	0.049
	76	38.576	0.324	0.025	0.050
	78	38.641	0.389	0.027	0.052
	80	38.718	0.466	0.029	0.054
	82	38.796	0.544	0.032	0.056
	83	38.835	0.583	0.033	0.057
	84	38.873	0.621	0.033	0.058
	85	39.913	0.661	0.034	0.060
	86	38.951	0.699	0.035	0.062
(4)		39.002	0.740	0.036	0.065
	18	39.062	0.810	0.037	0.069
	19	39.157	0.905	0.038	0.075
	20	39.250	0.998	0.039	0.079
	21	39.340	1.088	0.039	0.082
	22	39.428	1.176	0.040	0.085
	23	39.512	1.260	0.040	0.087
	24	39.595	1.343	0.040	0.088
	25	39.675	1.423	0.040	0.089
	26	39.752	1.500	0.040	0.089
	27	39.828	1.576	0.040	0.089
	28	39.901	1.649	0.040	0.089
	29	39.973	1.721	0.039	0.088
	30	40.042	1.790	0.039	0.087
	31	40.110	1.858	0.039	0.086
	32	40.176	1.924	0.039	0.085
	33	40.240	1.988	0.038	0.084
	34	40.303	2.051	0.038	0.082
	35	40.364	2.112	0.037	0.081
	36	40.423	2.171	0.037	0.079
	37	40.481	2.229	0.036	0.077
	38	40.538	2.286	0.035	0.075
	39	40.593	2.341	0.035	0.073
	40	40.647	2.395	0.034	0.071
	41	40.700	2.448	0.033	0.069
	42	40.751	2.499	0.032	0.067
(1)	Sym. Tan.	40.785	2.533	0.032	0.065
(2)	T/E	41.961	3.769	0.013	0.013

Date: 6/12/54
Issue: 1

2

P/Models/14 7-1-07-1

Generating pattern defines straight line sections.

- (1) Aileron hinge centre-line.
- (2) 'Z' value measured normal to mean line.
- (3) Leading edge of extension.
- (4) Transition to basic profile (Line 10).

<u>Generator No.</u>	<u>Sta Y (0.75 value)</u>	<u>Z Ord. Upper</u>	<u>Z Ord. Lower</u>
136	9.088	0.176	0.430
136-A	9.191	0.175	0.426
139	9.480	0.169	0.412
142	9.774	0.164	0.390
145	10.068	0.157	0.381
148	10.361	0.152	0.365
151	10.656	0.146	0.348
154	10.950	0.139	0.331
R/5	11.218	0.133	0.315
T/E	15.984	0.032	0.032

Elevator hinge 16.902

WING DATA
'C-105 AIRCRAFT'

P/Models/4 7-1-03a

For use with perspective drawing only

Sta 10.0782

up m
SECRET

Generator No.	Sta Y (0.75 value)	Z Ord. Upper	Z Ord. Lower
L.E.	0.000	0.000	0.000
1	0.008	0.023	0.026
2	0.015	0.033	0.037
4	0.030	0.045	0.047
5	0.038	0.051	0.054
7	0.060	0.064	0.074
9	0.091	0.076	0.090
11	0.181	0.102	0.126
14	0.452	0.143	0.199
17	0.723	0.166	0.251
20	0.994	0.181	0.294
23	1.265	0.192	0.329
26	1.537	0.198	0.360
28-A	1.828	0.205	0.389
31	1.996	0.208	0.405
34	2.178	0.211	0.419
37	2.359	0.213	0.433
40	2.542	0.216	0.445
43	2.722	0.217	0.458
46	2.914	0.219	0.468
49	3.086	0.220	0.478
52	3.267	0.221	0.486
55	3.449	0.222	0.494
58	3.630	0.222	0.501
61	3.812	0.223	0.507
64	3.994	0.223	0.513
67	4.175	0.223	0.516
70	4.357	0.223	0.520
73	4.539	0.223	0.523
76	4.720	0.223	0.525
79	4.903	0.223	0.527
82	5.084	0.222	0.527
85	5.265	0.221	0.528
88	5.447	0.219	0.528
91	5.628	0.218	0.527
94	5.810	0.217	0.525
97	5.992	0.216	0.523
100	6.173	0.214	0.521
103	6.355	0.212	0.517
106	6.536	0.211	0.515
109	6.718	0.209	0.510
112	6.899	0.206	0.506
115	7.081	0.204	0.501
116-A	7.163	0.204	0.499
118	7.325	0.202	0.495
121	7.618	0.198	0.487
124	7.912	0.195	0.477
127	8.206	0.191	0.467
130	8.575	0.186	0.456
133	8.794	0.181	0.443

WING DATA
'C-105 AIRCRAFT'

P/Models/4 7-1-03a
Sh hnd
SECRET

Directrix "B" Outer Panel

For Use with Perspective Drawing Only

<u>Generator No.</u>	<u>Sta Y (0.75 value)</u>	<u>Z Ord. Upper</u>	<u>Z Ord. Lower</u>
L.E.	0.0000	0.000	0.000
1	0.0302	0.042	0.049
2	0.0680	0.062	0.073
4	0.144	0.086	0.105
5	0.181	0.094	0.118
6	0.219	0.101	0.129
7	0.256	0.108	0.140
8	0.293	0.113	0.150
9	0.330	0.118	0.159
10	0.404	0.127	0.176
11	0.478	0.133	0.192
12	0.551	0.140	0.206
13	0.624	0.145	0.218
14	0.768	0.153	0.242
15	0.911	0.160	0.263
16	1.052	0.165	0.282
17	1.466	0.177	0.329
18	1.867	0.187	0.365
19	2.256	0.189	0.394
20	2.633	0.192	0.418
21	2.998	0.194	0.435
22	3.352	0.196	0.449
23	3.696	0.197	0.459
24	4.029	0.198	0.466
25	4.353	0.197	0.470
26	4.661	0.197	0.471
27	4.975	0.196	0.471
28	5.272	0.194	0.469
29	5.562	0.193	0.466
30	5.844	0.191	0.462
31	6.119	0.188	0.457
32	6.386	0.186	0.451
33	6.646	0.183	0.444
34	6.900	0.179	0.436
35	7.148	0.176	0.427
36	7.389	0.172	0.418
37	7.625	0.168	0.409
38	7.855	0.164	0.398
39	8.079	0.160	0.388
40	8.298	0.156	0.377
41	8.512	0.152	0.365
42	8.721	0.147	0.353
Sym Tan.	8.857	0.1446	0.3455
(1)	10.5325	0.109	0.246
(2) T/E.	14.142	0.032	0.032

Generating pattern defines straight line sections

(1) Aileron hinge line

(2) "Z" value measured normal to mean line

(P/Model/14 See 7-1-05-1 Dated 7/5/54 Issue 2 C105 .07 scale low
speed model
A.V. Roe Can. Ltd.)

WING DATA
'C-105 AIRCRAFT'

P/Models/4 7-1-03a

ch m
SECRET

Directrix "B" Outer Panel

For Use with Perspective Drawing Only

<u>Generator No.</u>	<u>Sta Y (0.75 value)</u>	<u>Z Ord. Upper</u>	<u>Z Ord. Lower</u>
L.E.	0.0000	0.000	0.000
1	0.0302	0.042	0.049
2	0.0680	0.062	0.073
4	0.144	0.086	0.105
5	0.181	0.094	0.118
6	0.219	0.101	0.129
7	0.256	0.108	0.140
8	0.293	0.113	0.150
9	0.330	0.118	0.159
10	0.404	0.127	0.176
11	0.478	0.133	0.192
12	0.551	0.140	0.206
13	0.624	0.145	0.218
14	0.768	0.153	0.242
15	0.911	0.160	0.263
16	1.052	0.165	0.282
17	1.466	0.177	0.329
18	1.867	0.187	0.365
19	2.256	0.189	0.394
20	2.633	0.192	0.418
21	2.998	0.194	0.435
22	3.352	0.196	0.449
23	3.696	0.197	0.459
24	4.029	0.198	0.466
25	4.353	0.197	0.470
26	4.661	0.197	0.471
27	4.975	0.196	0.471
28	5.272	0.194	0.469
29	5.562	0.193	0.466
30	5.844	0.191	0.462
31	6.119	0.188	0.457
32	6.386	0.186	0.451
33	6.646	0.183	0.444
34	6.900	0.179	0.436
35	7.148	0.176	0.427
36	7.389	0.172	0.418
37	7.625	0.168	0.409
38	7.855	0.164	0.398
39	8.079	0.160	0.388
40	8.298	0.156	0.377
41	8.512	0.152	0.365
42	8.721	0.147	0.353
Sym Tan.	8.857	0.1446	0.3455
(1)	10.5325	0.109	0.246
(2) T/E.	14.142	0.032	0.032

Generating pattern defines straight line sections

(1) Aileron hinge line

(2) "Z" value measured normal to mean line

(P/Model/14 See 7-1-05-1 Dated 7/5/54 Issue 2

C105 .07 scale low
speed model
A.V. Roe Can. Ltd.)

Sta 10.828

Sta 10.828

Recessed Portion

SECRET

<u>Generator No.</u>	<u>Distance behind L.E.</u>	<u>Z Ord. Upper</u>	<u>Z Ord. Lower</u>
LE	0.000	0.000	0.000
20	1.252	0.092	0.199
23	1.584	0.101	0.232
26	1.935	0.108	0.261
28A	2.302	0.115	0.289
31	2.500	0.117	0.303
34	2.713	0.119	0.315
37	2.906	0.121	0.328
40	3.140	0.124	0.339
43	3.353	0.125	0.350
46	3.566	0.127	0.353
49	3.780	0.128	0.368
52	3.992	0.129	0.376
55	4.207	0.130	0.384
58	4.420	0.130	0.391
61	4.633	0.131	0.396
64	4.846	0.131	0.402
67	5.059	0.131	0.406
70	5.272	0.132	0.407
73	5.486	0.132	0.413
76	5.699	0.132	0.415
79	5.914	0.132	0.418
82	6.126	0.132	0.419
85	6.339	0.131	0.420
88	6.553	0.130	0.421
91	6.766	0.130	0.421
94	6.979	0.129	0.420
97	7.193	0.128	0.419
100	7.405	0.127	0.418
103	7.619	0.125	0.416
106	7.832	0.125	0.414
109	8.046	0.123	0.411
112	8.259	0.122	0.409
115	8.472	0.120	0.405
116A	8.569	0.120	0.403
118	8.774	0.118	0.400
121	9.148	0.115	0.394
124	9.521	0.113	0.386
127	9.896	0.109	0.376
130	10.321	0.104	0.368
133	10.045	0.100	0.357
136	10.018	0.096	0.345
136A	11.150	0.094	0.341
139	11.517	0.089	0.328
142	11.892	0.084	0.315
145	12.266	0.078	0.299
148	12.640	0.073	0.285
151	13.018	0.067	0.269
154	13.389	0.062	0.253
RS	13.731		0.236

add. .078
to bring to skin
dim.

to not used For Re/only

Sta 10.828

Sta 10.828

Recessed Portion

<u>Generator No.</u>	<u>Distance behind L.E.</u>	<u>Z Ord. Upper</u>	<u>Z Ord. Lower</u>
LE	0.000	0.000	0.000
20	1.252	0.092	0.199
23	1.584	0.101	0.232
26	1.935	0.108	0.261
28A	2.302	0.115	0.289
31	2.500	0.117	0.303
34	2.713	0.119	0.315
37	2.906	0.121	0.328
40	3.140	0.124	0.339
43	3.353	0.125	0.350
46	3.566	0.127	0.353
49	3.780	0.128	0.368
52	3.992	0.129	0.376
55	4.207	0.130	0.384
58	4.420	0.130	0.391
61	4.633	0.131	0.396
64	4.846	0.131	0.402
67	5.059	0.131	0.406
70	5.272	0.132	0.407
73	5.486	0.132	0.413
76	5.699	0.132	0.415
79	5.914	0.132	0.418
82	6.126	0.132	0.419
85	6.339	0.131	0.420
88	6.553	0.130	0.421
91	6.766	0.130	0.421
94	6.979	0.129	0.420
97	7.193	0.128	0.419
100	7.405	0.127	0.418
103	7.619	0.125	0.416
106	7.832	0.125	0.414
109	8.046	0.123	0.411
112	8.259	0.122	0.409
115	8.472	0.120	0.405
116A	8.569	0.120	0.403
118	8.774	0.118	0.400
121	9.148	0.115	0.394
124	9.521	0.113	0.386
127	9.896	0.109	0.376
130	10.321	0.104	0.368
133	10.045	0.100	0.357
136	10.018	0.096	0.345
136A	11.150	0.094	0.341
139	11.517	0.089	0.328
142	11.892	0.084	0.315
145	12.266	0.078	0.299
148	12.640	0.073	0.285
151	13.018	0.067	0.269
154	13.389	0.062	0.253
R5	13.731		0.236