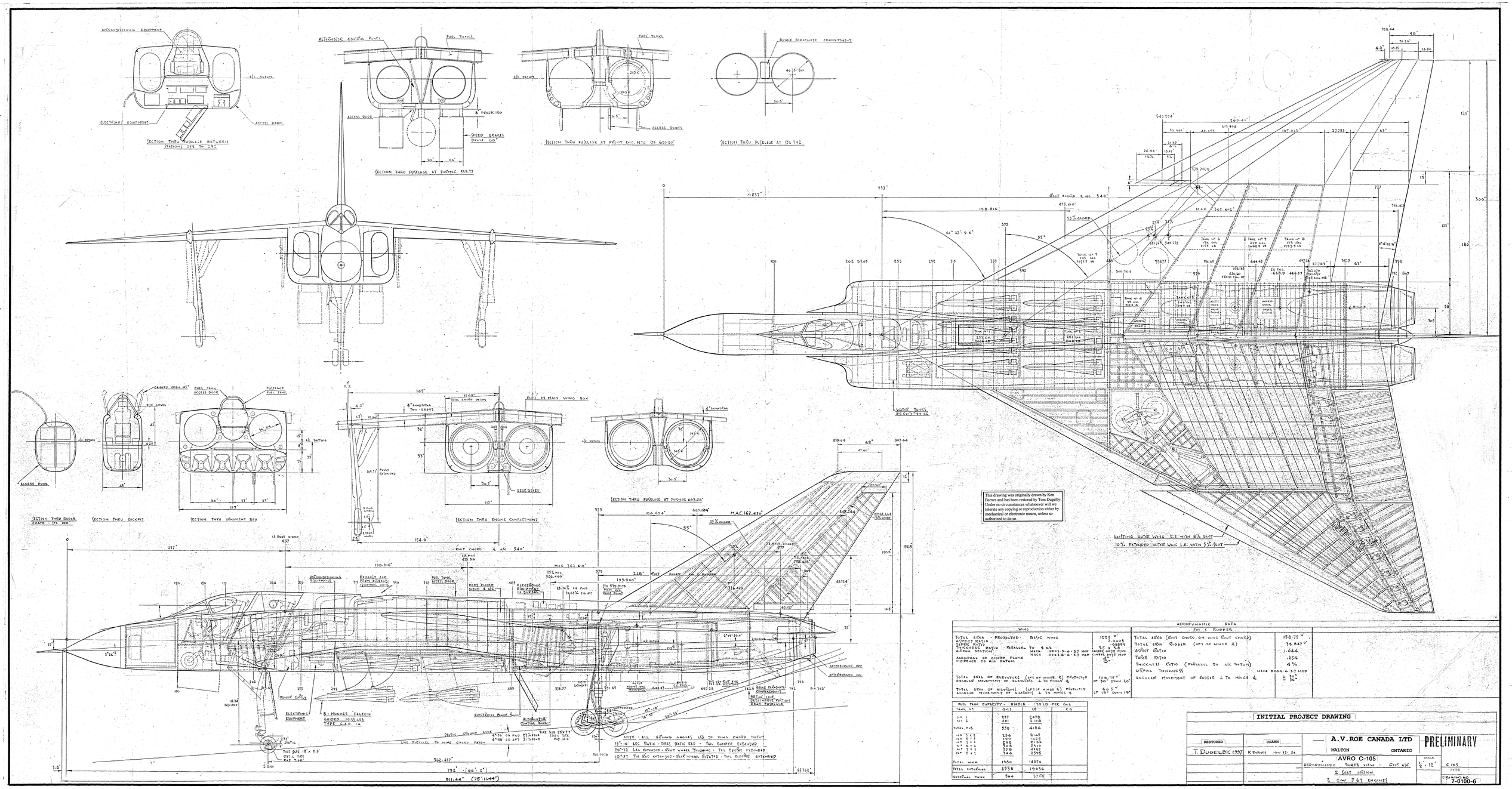


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| AERODYNAMIC DATA — WING | | |
|---|---|---|
| TOTAL AREA - PROTECTED - BASIC WING | | 1229.0 ft² |
| ASPECT RATIO | | 2.0408 |
| TAPER RATIO | | .08889 |
| THICKNESS RATIO - PARALLEL TO ℄ A/C | T/C = 3.8% | |
| AIRFOIL SECTIONS | NACA .0003.5-6-3.5 MOD | CHORD 6.175 MOD |
| ASYMPTOTIC OF CHORD PLANE | NACA .0003.5-6-3.5 MOD | CHORD 6.175 MOD |
| INCIDENCE TO A/C DATUM | | 0° |
| TOTAL AREA OF ELEVATORS (APT OF HINGE ℄) PROTECTED | | 104.75 ft² |
| ANGULAR MOVEMENT OF ELEVATORS ⊥ TO HINGE ℄ | | UP 30° DOWN 20° |
| TOTAL AREA OF AILERONS (APT OF HINGE ℄) PROTECTED | | 86.5 ft² |
| ANGULAR MOVEMENT OF AILERONS ⊥ TO HINGE ℄ | | UP 19° DOWN 19° |

| AERODYNAMIC DATA — FIN & RUDDER | |
|---|---|
| TOTAL AREA (ROOT CHORD ON WING ROOT CHORD) | 158.75 ft² |
| TOTAL AREA RUDDER (APT OF HINGE ℄) | 38.847 ft² |
| ASPECT RATIO | 1.044 |
| TAPER RATIO | .356 |
| THICKNESS RATIO (PARALLEL TO A/C DATUM) | 4% |
| AIRFOIL THICKNESS | NACA 0004-6-3.5 MOD |
| ANGULAR MOVEMENT OF RUDDER ⊥ TO HINGE ℄ | ± 30° |

| FUEL TANK CAPACITY - USABLE | | 7.5 LB PER GAL | |
|---|---|---|---|
| TANK NO | GALS | LB | CG |
| NO 1 | 277 | 2078 | |
| NO 2 | 281 | 2108 | |
| TOTAL FUS | 558 | 4186 | |
| NO 3 L & R | 336 | 2165 | |
| NO 4 L & R | 295 | 2212 | |
| NO 5 L & R | 293 | 2199 | |
| NO 6 L & R | 328 | 2510 | |
| NO 7 L & R | 558 | 4185 | |
| NO 8 L & R | 546 | 2595 | |
| TOTAL WING | 1950 | 14856 | |
| TOTAL INTERNAL | 2508 | 19042 | |
| EXTERNAL TANK | 500 | 3750 | |

INITIAL PROJECT DRAWING

| RESTORED | DRAWN | A.V. ROE CANADA LTD MALTON ONTARIO | PRELIMINARY |
|---|---|---|---|
| T. DUGELBY 1997 | K. BARNES NOV 25. 54 | AVRO C-105 AERODYNAMIC THREE VIEW - CIGS A/C 2 SEAT VERSION 2 CW J67 ENGINES | SCALE 1/4" = 1'-0" TYPE C105 DRAWING NO. 7-0100-6 |