AIRPLANE COMMANDER TRAINING MANUAL FOR THE DOMINATOR

Hq. Army Air Forces
Washington 25, D.C., 15 July 1945

The use and authentication of this manual are governed by the provisions of AAF Regulation 50-17.

By command of General ARNOLD:

Ira C. Eaker
Lieutenant General, United States Army
Deputy Commander, Army Air Forces

Additional copies of this manual should be requested from:
Hq. AAF, Office of Flying Safety, Safety Education Division,
Winston-Salem 1, North Carolina
**Wing Flaps**

Two Alclad-covered Fowler flaps in wing center section on each side of fuselage, spanning center section from fuselage to aileron

Hydraulically-operated and electrically-controlled

Outboard flaps mechanically interconnected and inboard flaps mechanically interconnected

**Empennage**

Full cantilever stabilizer with fabric-covered elevators, dual trim tabs

Single dorsal and vertical fin, with fabric-covered rudder and two rudder tabs

Rudder and elevator noses reinforced with Alclad skin, statically and dynamically balanced

De-icer boots on first 200 airplanes, hot air anti-icers on subsequent airplanes

**Armament**

Ten .50 caliber M-2 machine guns, mounted two each in five locally-controlled turrets

Nose, tail, and lower are electric-hydraulic ball turrets, lower turret hydraulically retractable; upper turrets electrically operated; all turrets heated

Total rounds ammunition—5800

**Bomb Load**

Carried in two bomb bays, providing total of 48 stations maximum at one time

Possible loads:

| 40 500 lb bombs | 8 2000 lb bombs |
| 12 1000 lb bombs | 4 4000 lb bombs |
| 8 1600 lb bombs |

**Areas**

<table>
<thead>
<tr>
<th>Area Description</th>
<th>Area (sq. ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aileron tabs, each</td>
<td>2.3</td>
</tr>
<tr>
<td>Horizontal stabilizer, including elevators</td>
<td>333</td>
</tr>
<tr>
<td>Elevators, each, including tab</td>
<td>56.08</td>
</tr>
<tr>
<td>Elevator tabs, each</td>
<td>4.65</td>
</tr>
<tr>
<td>Vertical stabilizer, including rudder</td>
<td>267.8</td>
</tr>
<tr>
<td>Rudder, including tabs</td>
<td>107.3</td>
</tr>
<tr>
<td>Rudder tabs, each</td>
<td>5.8</td>
</tr>
</tbody>
</table>

**Total wing, including ailerons** 1532.52 sq. ft.

**Wing, flaps extended** 1544.94 sq. ft.

**Flaps, total each set** 128.25 sq. ft.

**Ailerons, each, including tab** 50.65 sq. ft.