

# AERONCA AIRCRAFT CORPORATION

Middletown, Ohio

## SECTION - WING BRACE STRUT

1-713

D

DRAWN HINKLE

UNLESS OTHERWISE NOTED,  
DIMENSIONS ARE IN INCHES &  
TOLERANCE SHALL BE WITHIN ±

FINISH

NOTED

HEAT TREAT

NONE

DATE PRINTED

SCALE FULL SIZE

CHECKED I. G. (LEN) RN 3/2/48

STRUCTURE J. M. 3/2/48

PROJECT

ENG. APPROVAL J. W. 3/2/48

MODEL

NEXT ASS'Y

NO. REQ'D PER  
ASS'Y PLANE

PART No.

SIZE

DESCRIPTION

SPECIFICATION

No.  
REQ'D

ALL

NOTED

.035 SAE 1010 STEEL

NOTED

| % L   | ABSC. | % D   | TOTAL ORD. |
|-------|-------|-------|------------|
| .0125 | .034  | .260  | .374       |
| .025  | .069  | .371  | .534       |
| .050  | .138  | .525  | .755       |
| .075  | .206  | .636  | .915       |
| .100  | .275  | .720  | 1.035      |
| .125  | .344  | .785  | 1.130      |
| .150  | .413  | .836  | 1.201      |
| .175  | .482  | .878  | 1.260      |
| .20   | .550  | .911  | 1.310      |
| .25   | .687  | .959  | 1.380      |
| .30   | .825  | .988  | 1.420      |
| .35   | .962  | 1.000 | 1.437      |
| .40   | 1.10  | .995  | 1.430      |
| .45   | 1.24  | .979  | 1.410      |
| .50   | 1.38  | .950  | 1.364      |
| .55   | 1.52  | .910  | 1.310      |
| .60   | 1.65  | .861  | 1.240      |
| .65   | 1.79  | .801  | 1.150      |
| .70   | 1.93  | .732  | 1.053      |
| .75   | 2.07  | .653  | .938       |
| .80   | 2.20  | .562  | .808       |
| .85   | 2.34  | .461  | .663       |
| .90   | 2.48  | .338  | .486       |
| .95   | 2.62  | .190  | .273       |
| 1.00  | 2.75  | .000  | .000       |

1. MATERIAL SPECIFICATION  
ASTM A109-38 GRADE 3
2. TUBING SHALL BE STRAIGHT WITHIN 1" IN 600" IN PLANE OF MAJOR AXIS AND 1" IN 300" IN PLANE OF MINOR AXIS.
3. THE TUBING SHALL BE SMOOTH, CLEAN AND FREE OF SEAMS, TEARS, GROOVES, LAMINATIONS, SLIVERS, PITTING AND OTHER INJURIOUS DEFECTS.
4. THE INTERIOR AND EXTERIOR SURFACES SHALL BE COVERED WITH OIL AND SHALL BE FREE OF SCALE AND IRON RUST.
5. A CERTIFIED TEST REPORT SHOWING THE PHYSICAL AND CHEMICAL PROPERTIES MUST BE SUBMITTED FOR EACH LOT OF TUBING.

REVISIONS

CHANGE

DATE

BY

LET.

E. O. 'S.  
INCLUDED

REDRAWN WITHOUT CHANGE HINKLE 3/2/48  
PHOTOCOPY DARKENED BY  
TRACING OVER FOR THE  
AERONCA AVIATORS CLUB  
LIBRARY

JOE  
DICKEY 1/15/69

