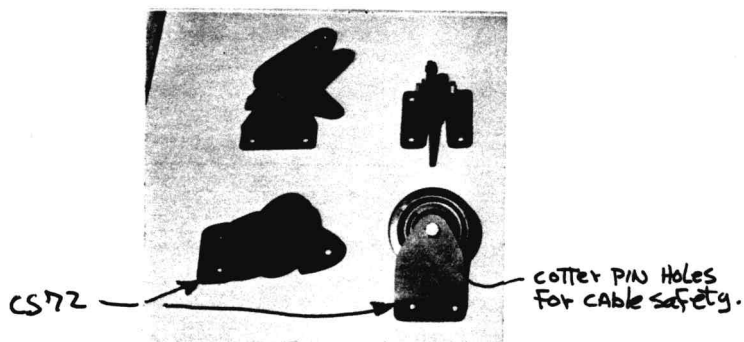
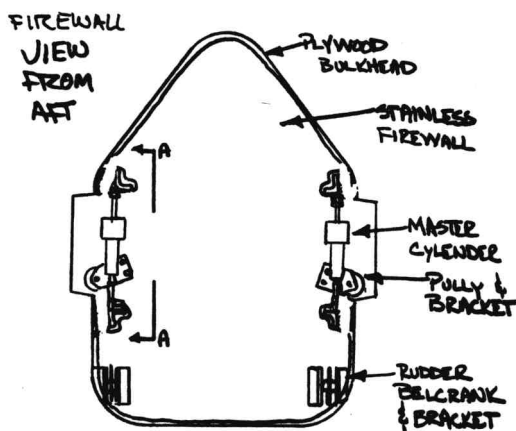


## FIREWALL AND ACCESSORIES

## STEP 1

## INSTALLING THE STAINLESS FIREWALL

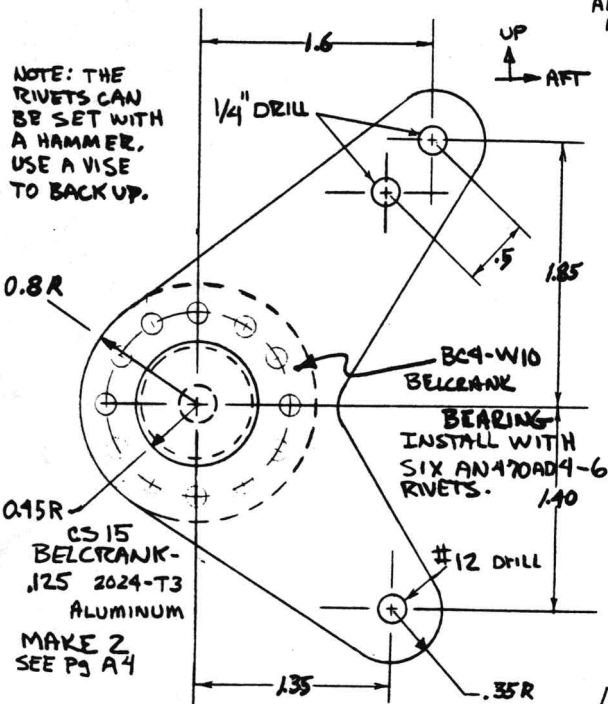
SEE VIEW A-A ON  
FOLLOWING PAGE



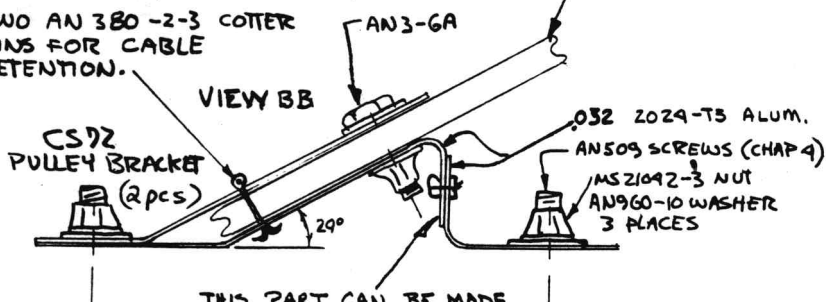
## RUDDER PULLEY AND BELLRANK ASSEMBLIES

BA - BRAKE ARM  
MAKE TWO  
1/8" 2024 T3

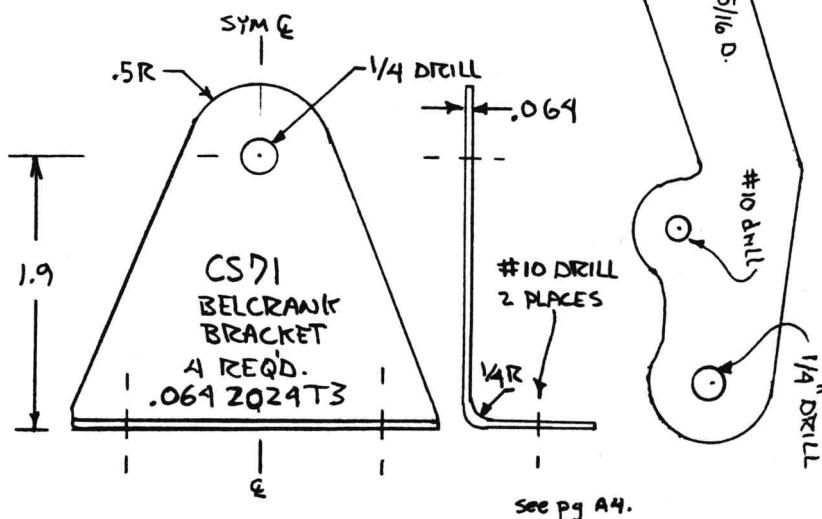
ALL DRAWINGS BELOW  
ARE FULL SIZE



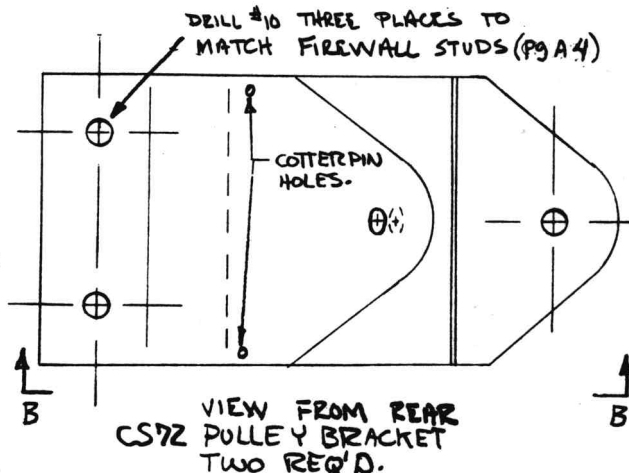
TWO AN 380 -2-3 COTTER  
PINS FOR CABLE  
RETENTION.



THIS PART CAN BE MADE  
IN ONE PIECE OR BY  
RIVETING TWO AS SHOWN WITH 3 EQUALLY  
MAKING 2 SPACED TOP RIVETS



See pg A4.



NOTE: THE THREE #10 HOLES IN THE  
RUDDER PULLEY BRACKETS MATCH  
THE SCREWS IN THE FIRE WALL

## STEP 2

### INSTALLING THE BELCRANK BRACKETS

Assemble the rudder/brake belcranks and their brackets. Position the assembly on the firewall with the belcrank offset from the rudder cable slot in the firewall (as shown on page A4). Drill through the stainless, asbestos and plywood with a #10 drill as shown.

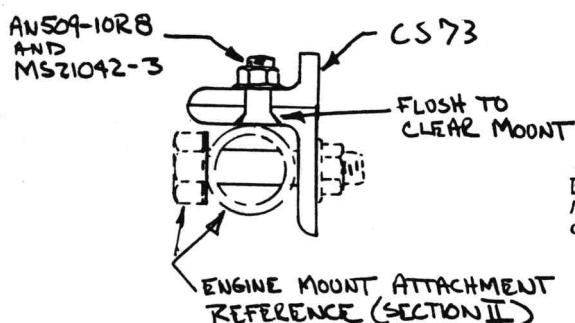
The inboard holes enter into the baggage compartment. Install AN3-6A bolts and MS21042-3 nuts using AN960-10 washers against the plywood inside the baggage compartment. To put nuts on the outboard side, it is necessary to grind a hole through the outside fuselage skin (use your dremel) and dig out some foam. These holes are filled flush with dry micro after installation of the nuts and washers.

## STEP 3

### INSTALLING THE BRAKE MASTER CYLINDERS

The aircraft is designed for Cleveland or Gerdes reservoir-type brake master cylinders, available from distributors. The brake master cylinders are positioned vertically between the upper and lower engine mount attach fittings as shown. Since the lengths of various master cylinders are different, you need to vary the height of the lower master cylinder mount angle to attain the correct position of the top actuating arm shown.

Make two CS73 brackets, one right-hand, one, left. Clamp the lower brackets into position and drill as shown. Counter-sink the lower side for a flush AN509 screw as shown. This will prevent interference with the engine mount which is installed in section II. Install the brackets with AN509-10R-8 screws. Another bolt through the bracket will be installed later with the engine mount.



### SECTION B-B

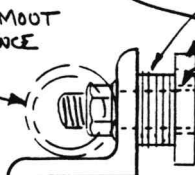
LOOKING AFT AT LEFT LOWER.

Install the upper brake arm as shown using CS75 so the arm is free to move, even though the 1/4" bolt is tight. This bolt is later replaced with a longer one that bolts through the welded steel engine mount (section II, engine installation).

BA - BRAKE ARM

ENGINE MOUNT REFERENCE

UP  
INBO



### SECTION C-C

LOOKING AFT

