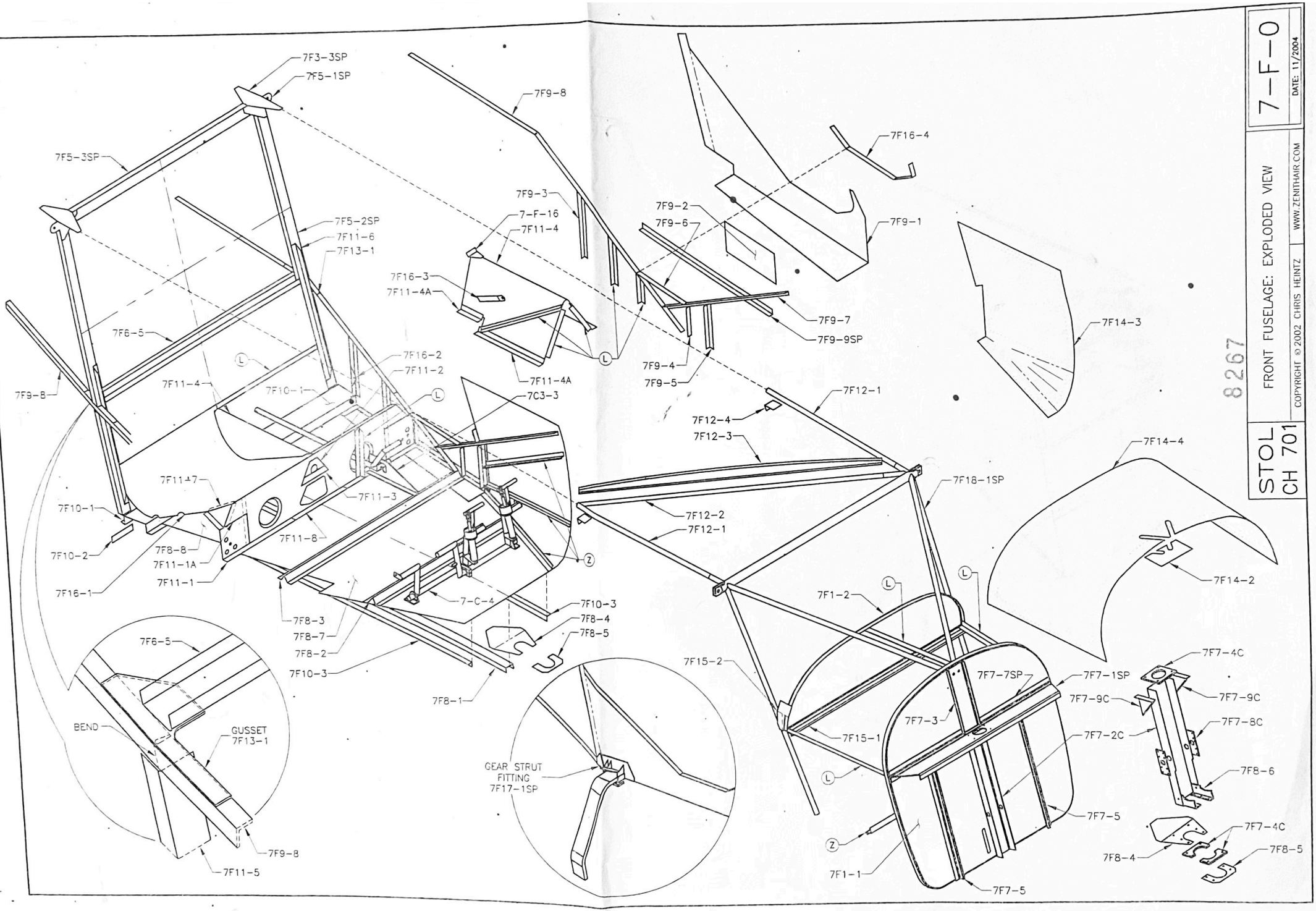



STOL CH 701

FRONT FUSELAGE: EXPLODED VIEW

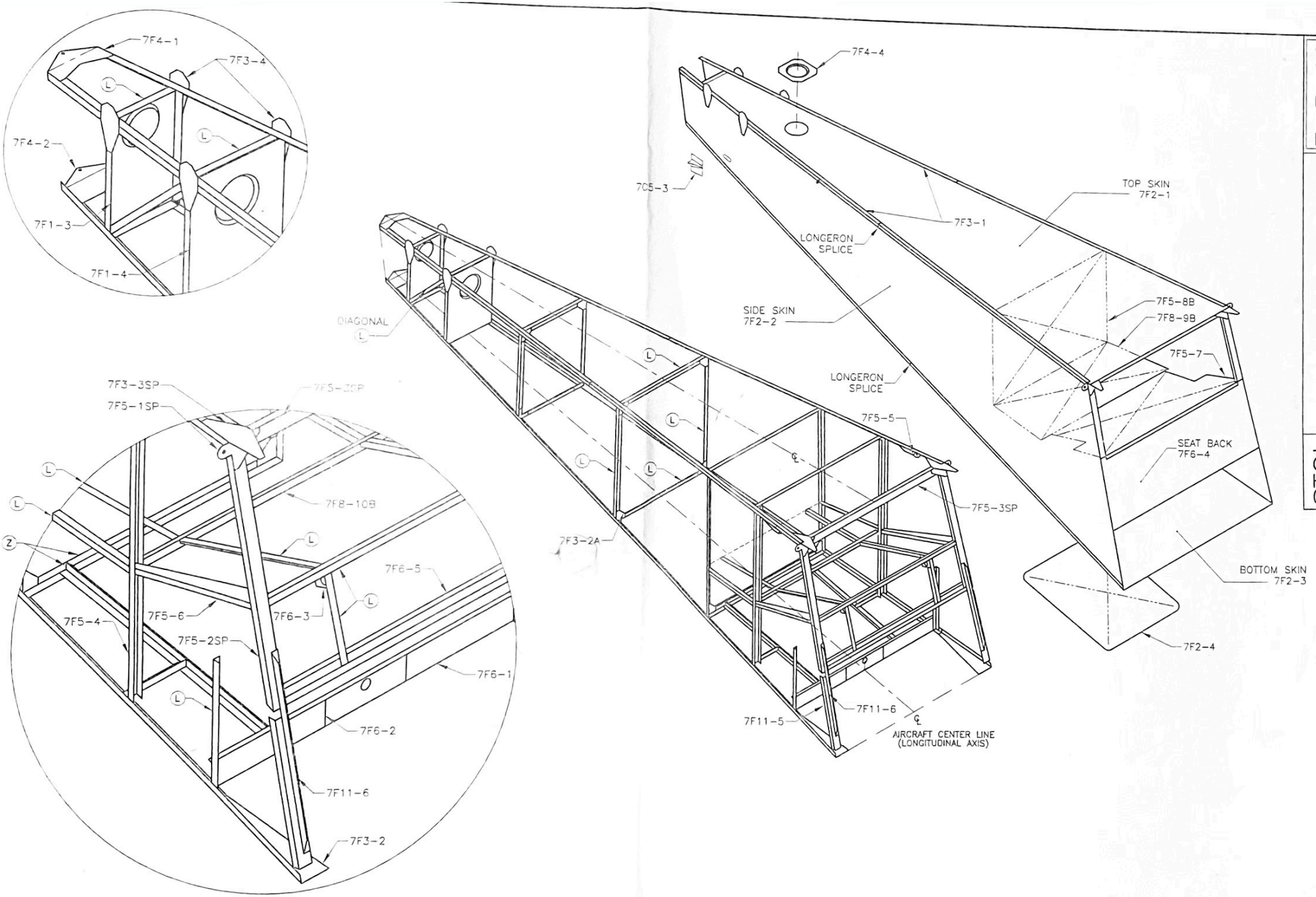
7-F-0

DATE: 11/2004

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8267




STOL CH 701

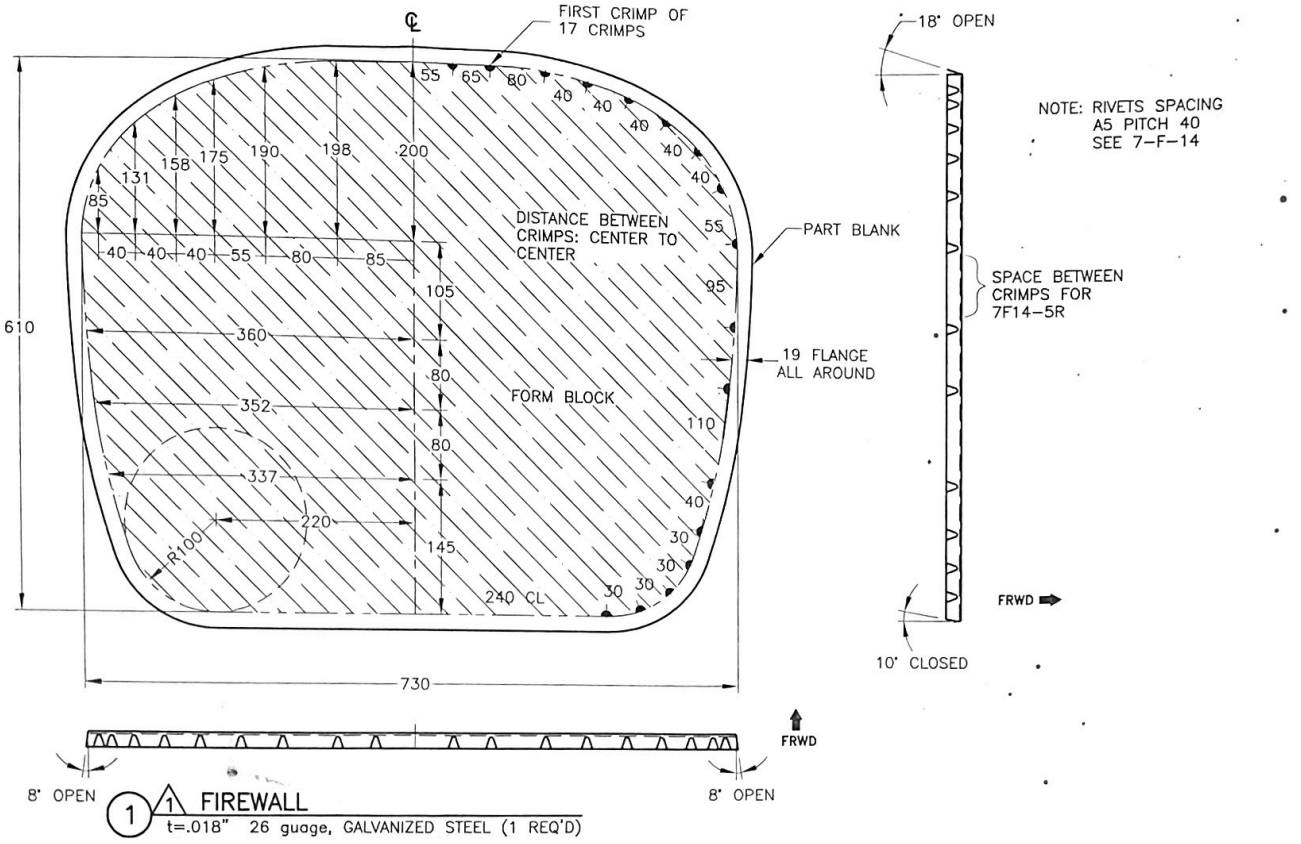
REAR FUSELAGE: EXPLODED VIEW

7-F-00

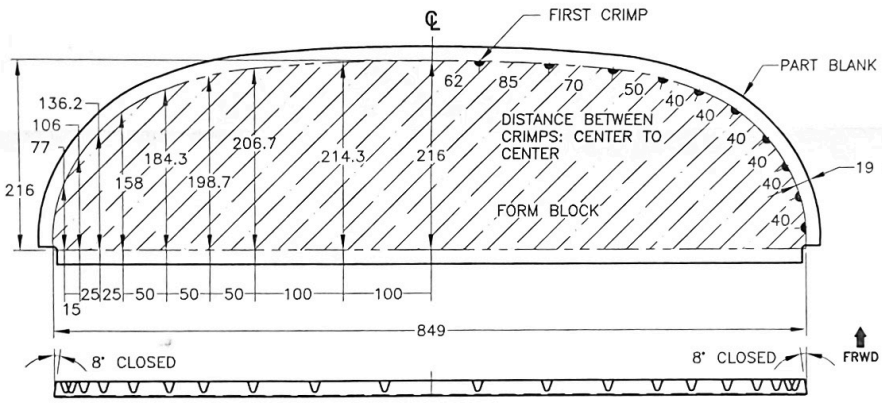
DATE: 08/2003

COPYRIGHT © 2002 CHRIS HEINTZ

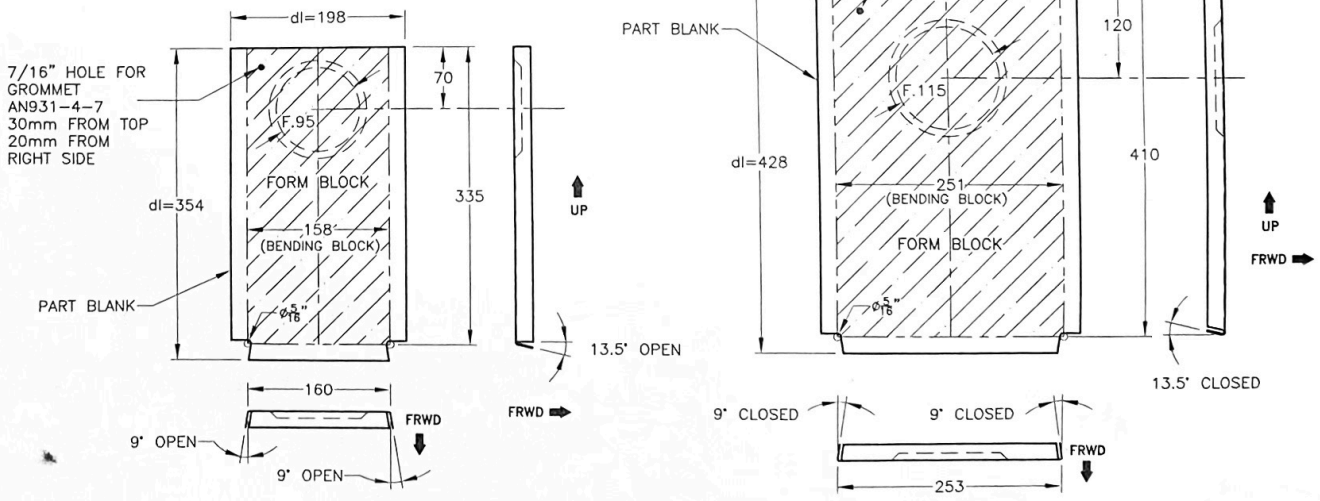
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1 ⚠1 FIREWALL
t=.018" 26 guage, GALVANIZED STEEL (1 REQ'D)




2 ⚠0 INSTRUMENT PANEL BULKHEAD
t=.025" 6061-T6 (1 REQ'D)

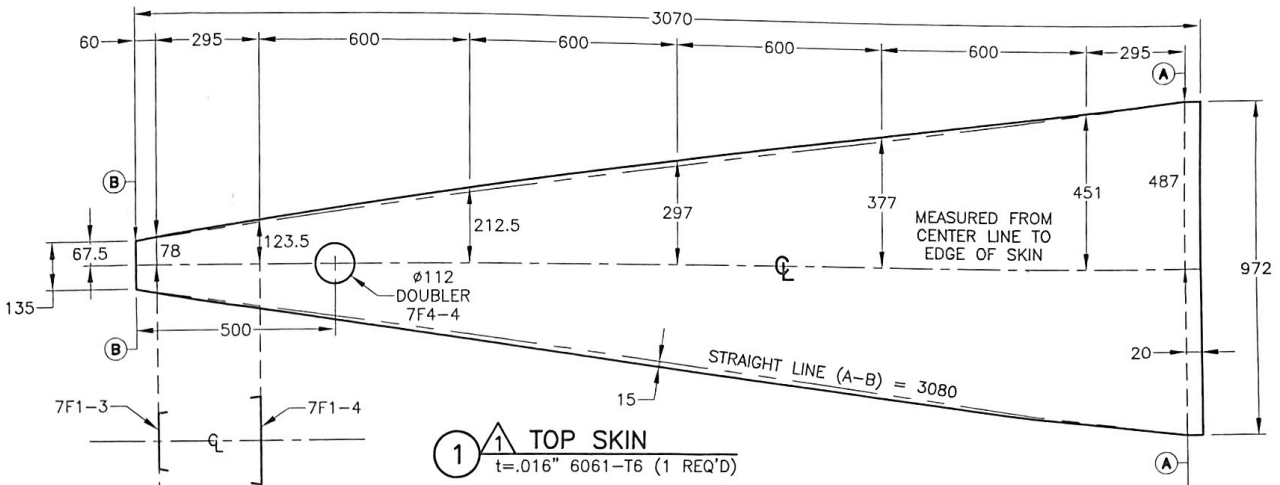



3 ⚠0 REAR HORIZONTAL TAIL FRAME
t=.032" 6061-T6 (1 REQ'D)

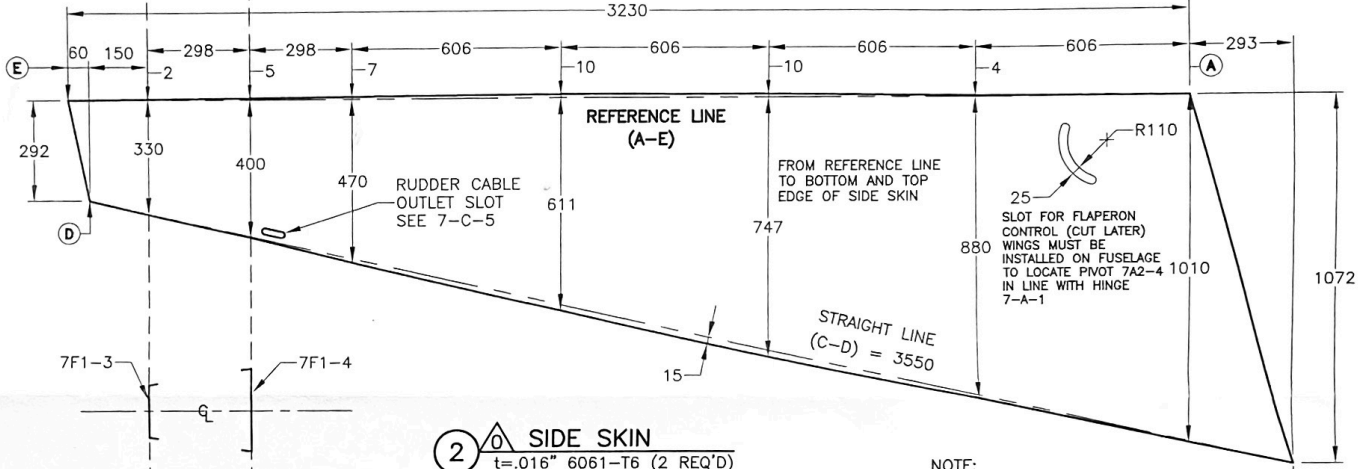
4 ⚠0 FRONT HORIZONTAL TAIL FRAME
t=.025" 6061-T6 (1 REQ'D)

8267

| STOL CH 701 | FUSELAGE FORMERS | 7-F-1 |
|---|---|---|
| | COPYRIGHT © 2002 CHRIS HEINTZ WWW.ZENITHAIR.COM | DATE: 04/2006 |

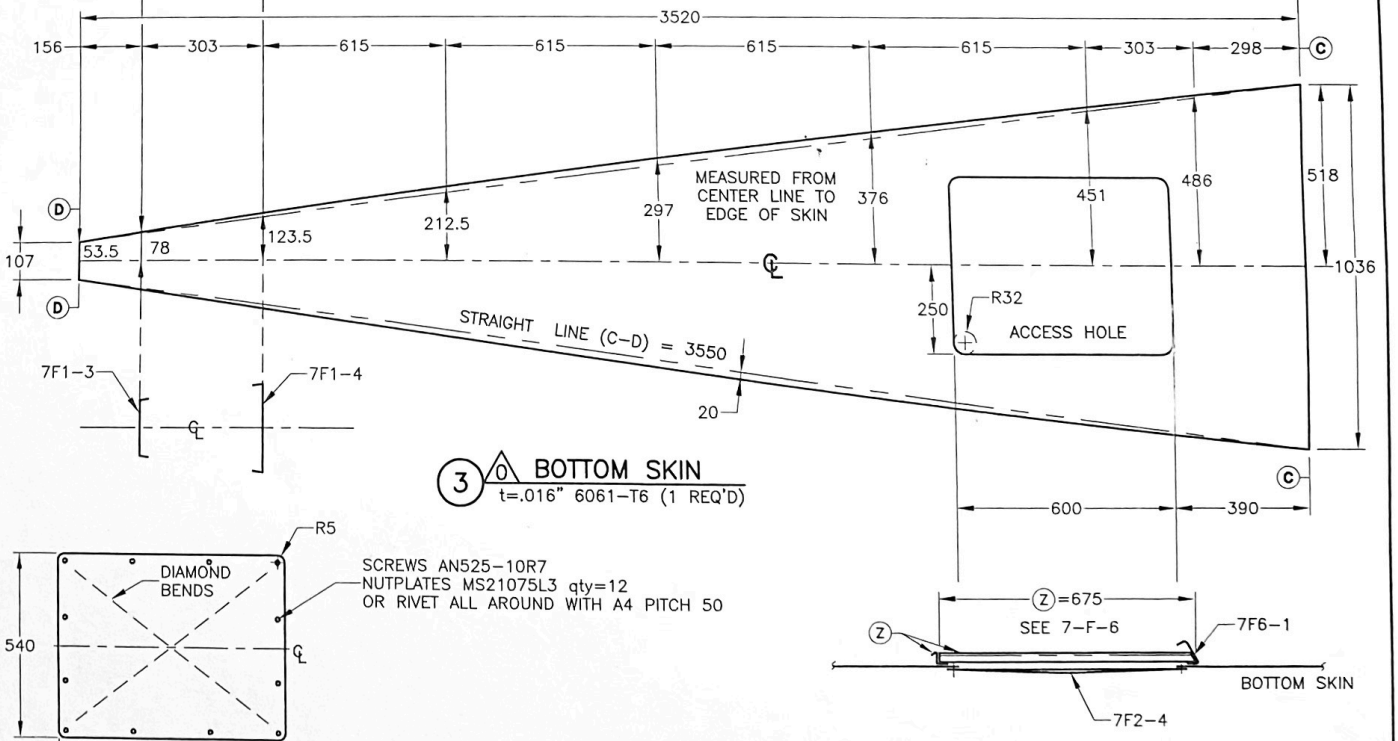



## 1 TOP SKIN
t=.016" 6061-T6 (1 REQ'D)




## 2 SIDE SKIN
t=.016" 6061-T6 (2 REQ'D)

NOTE:
DIMENSIONS FOR THE SIDE SKIN 7F2-2 ARE MEASURED ON THE FLAT SKIN




## 3 BOTTOM SKIN
t=.016" 6061-T6 (1 REQ'D)



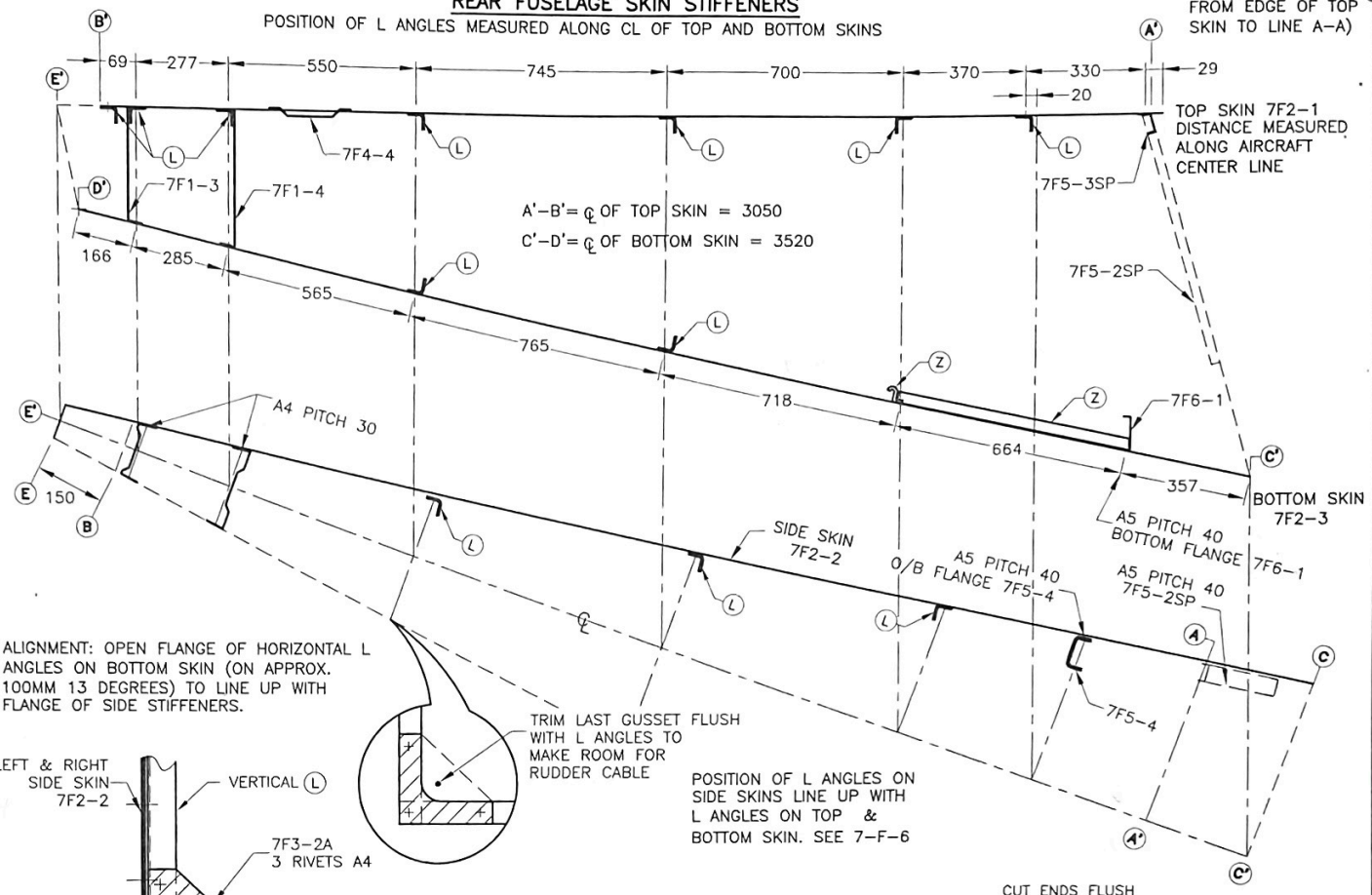

## 4 REAR ACCESS COVER
t=.016" 6061-T6 (1 REQ'D)




| | | |
|---|---|---|
| STOL CH 701 | REAR FUSELAGE SKINS | 7-F-2 |
| | COPYRIGHT © 2002 CHRIS HEINTZ WWW.ZENITHAIR.COM | DATE: 09/2003 |

# REAR FUSELAGE SKIN STIFFENERS

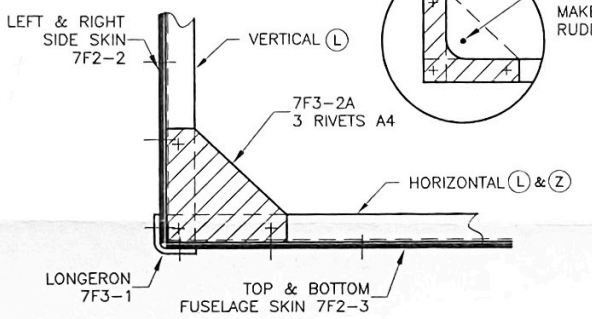
POSITION OF L ANGLES MEASURED ALONG CL OF TOP AND BOTTOM SKINS

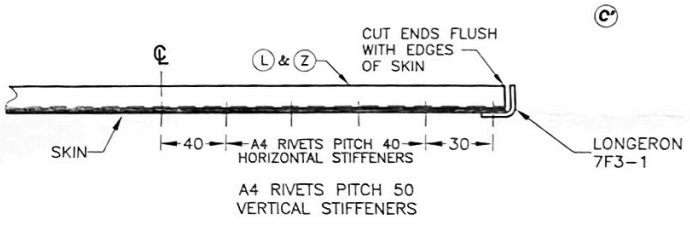



ALIGNMENT: OPEN FLANGE OF HORIZONTAL L ANGLES ON BOTTOM SKIN (ON APPROX. 100MM 13 DEGREES) TO LINE UP WITH FLANGE OF SIDE STIFFENERS.

TRIM LAST GUSSET FLUSH WITH L ANGLES TO MAKE ROOM FOR RUDDER CABLE

POSITION OF L ANGLES ON SIDE SKINS LINE UP WITH L ANGLES ON TOP & BOTTOM SKIN. SEE 7-F-6

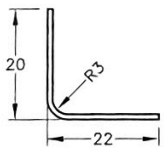



A4 RIVETS PITCH 50 VERTICAL STIFFENERS

## 2A ⚠0 CORNER GUSSET

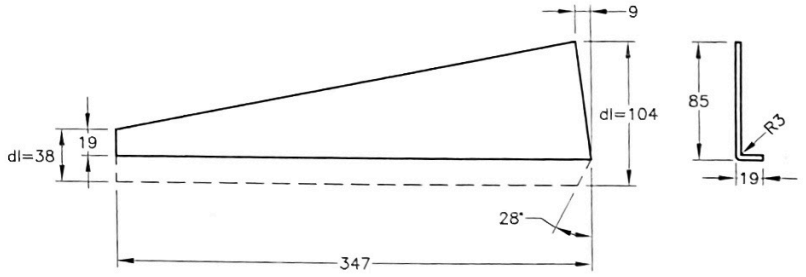
t=.025" 6061-T6 (10 REQ'D)
50X50




l=1825
dl=40

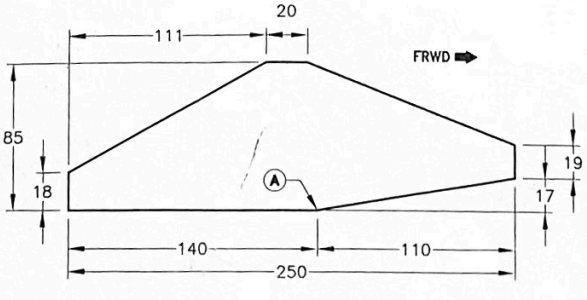
## 1 ⚠0 REAR FUSELAGE LONGERONS

t=.040" 6061-T6 (8 REQ'D)



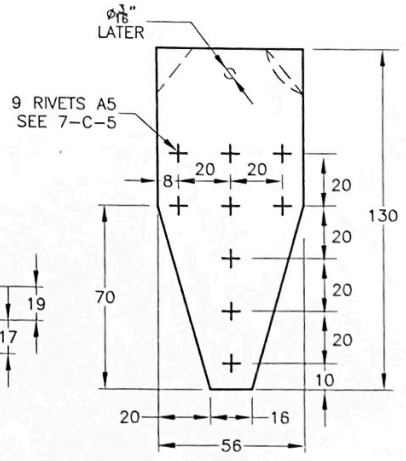

## 2 ⚠0 BOTTOM LONGERON DOUBLER

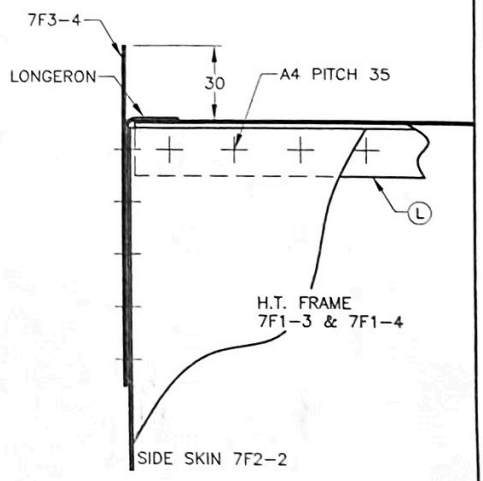
t=.040" 6061-T6 (1L & 1R REQ'D)




## 3SP ⚠0 TOP LONGERON GUSSET

t=.040" 6061-T6 (2 REQ'D)
SEE 7-F-5 & 7-F-12

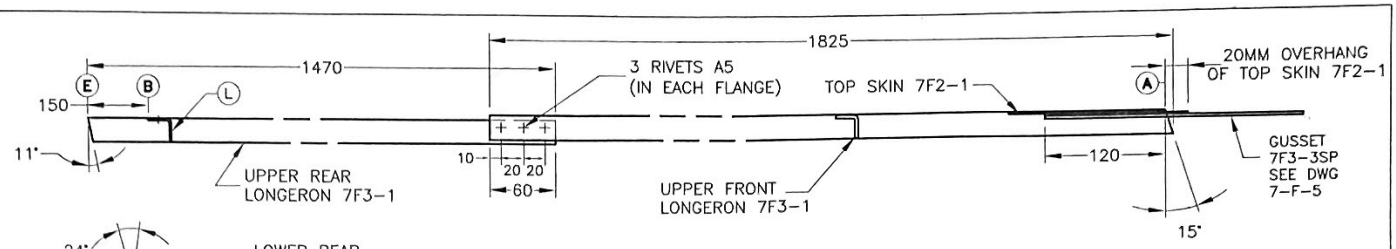


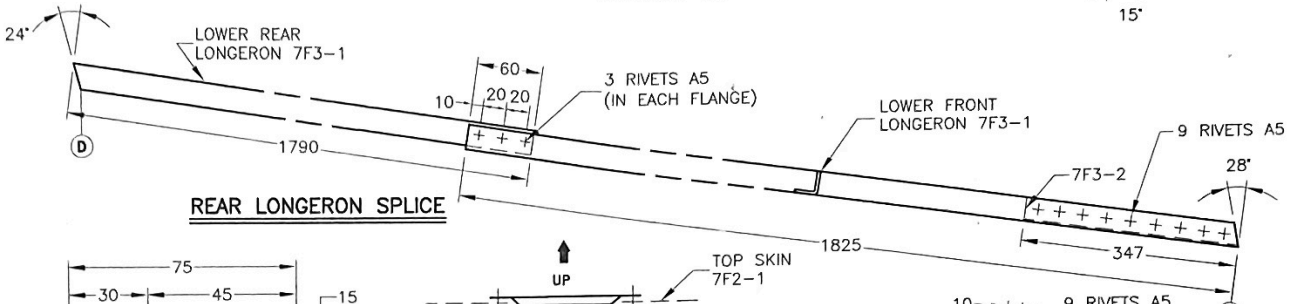




## 4 ⚠0 HORIZONTAL TAIL ATTACHMENT

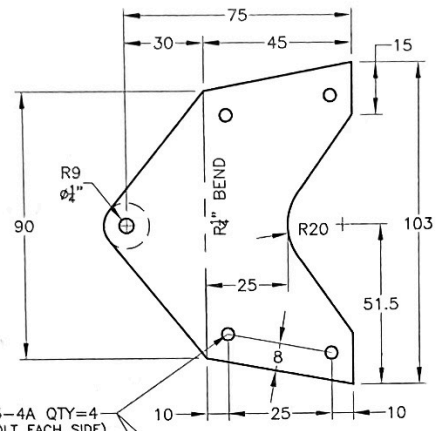
t=.063" 6061-T6 (4 REQ'D)

| STOL CH 701 | REAR FUSELAGE STIFFENERS, LONGERONS & PARTS | 7-F-3 |
|---|---|---|
| | COPYRIGHT © 2002 CHRIS HEINTZ WWW.ZENITHAIR.COM | DATE: 09/2007 |



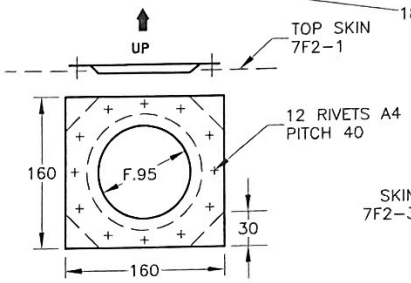




## REAR LONGERON SPLICE

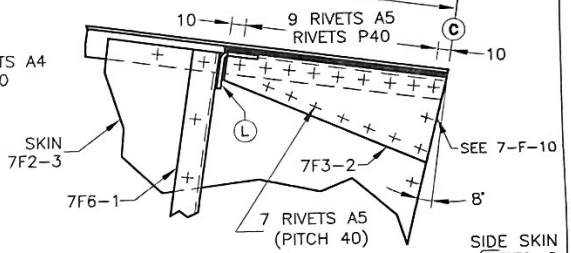


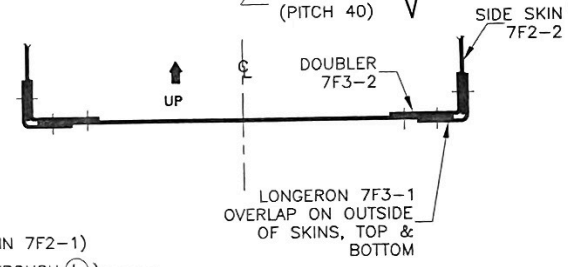

AN3-4A QTY=4
(2 BOLT EACH SIDE)

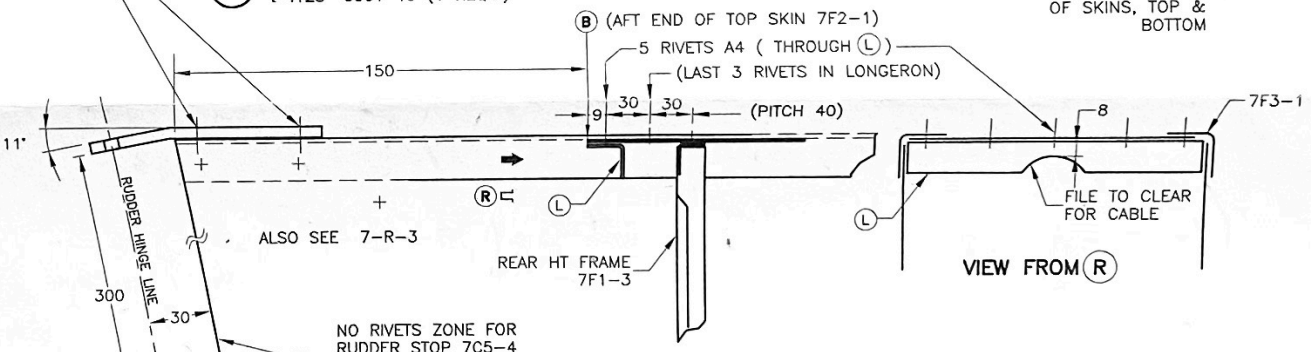
### 1 1 UPPER RUDDER HINGE PLATE
t=.125" 6061-T6 (1 REQ'D)

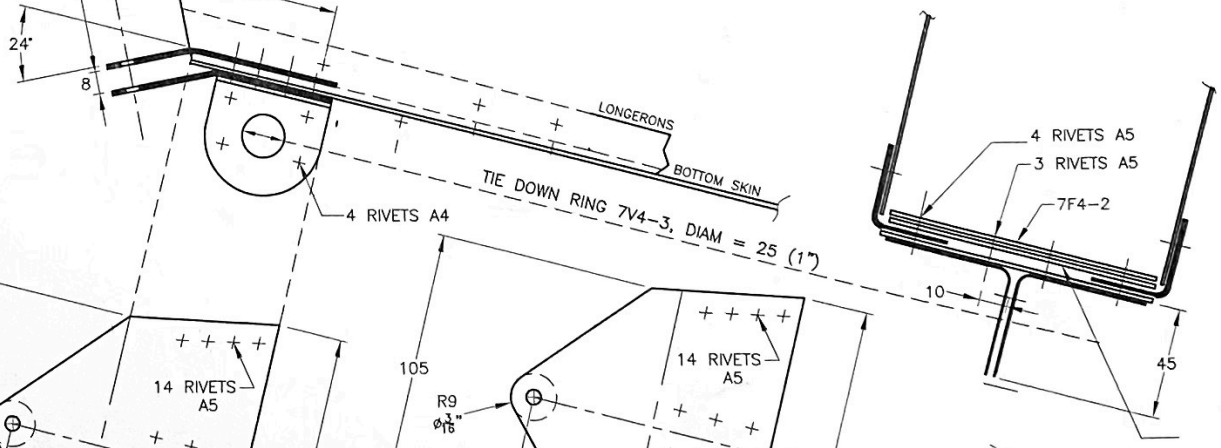


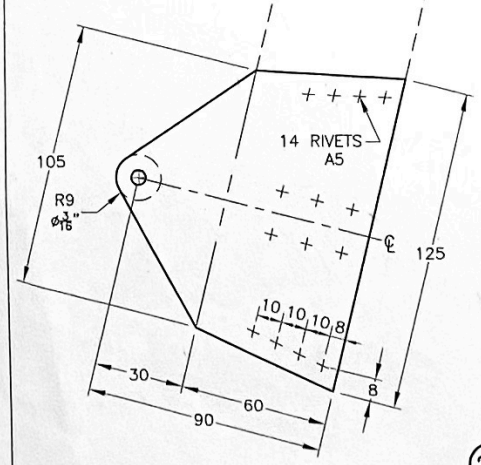

### 4 0 TOP SKIN DOUBLER
t=.025" 6061-T6 (1 REQ'D)



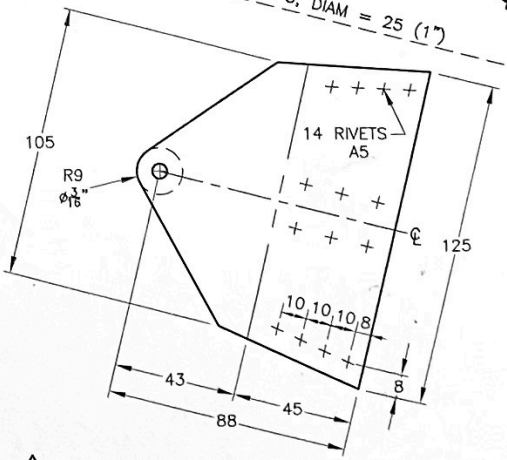



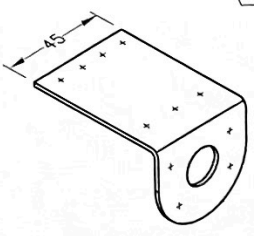




### 2A 0 BOTTOM LOWER RUDDER HINGE PLATE
t=.063" 6061-T6 (2 REQ'D)

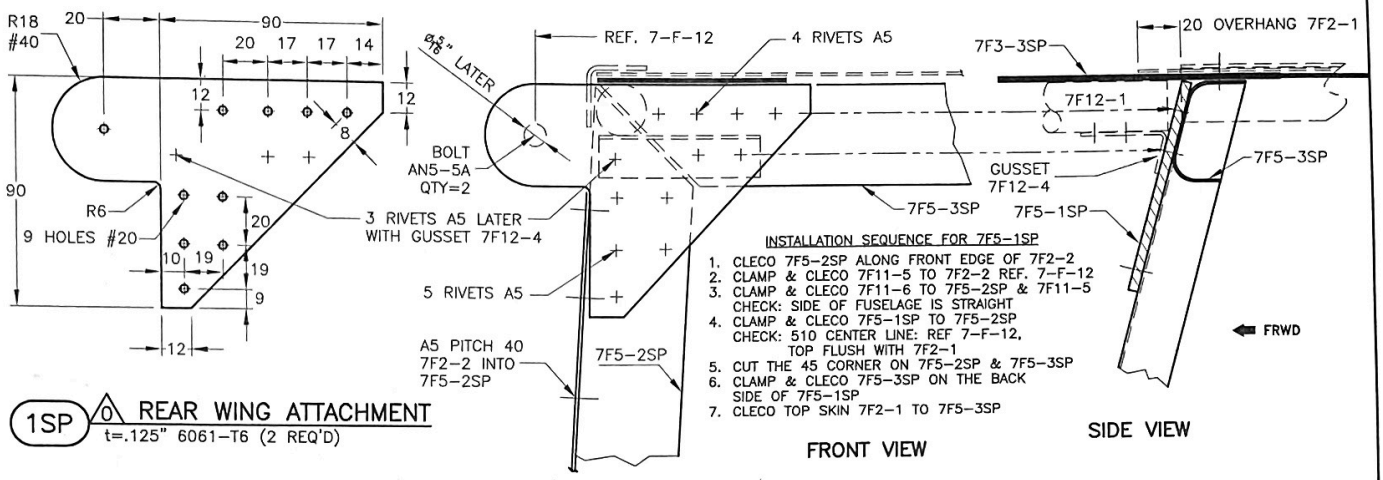



### 2B 0 TOP LOWER RUDDER HINGE PLATE
t=.063" 6061-T6 (2 REQ'D)

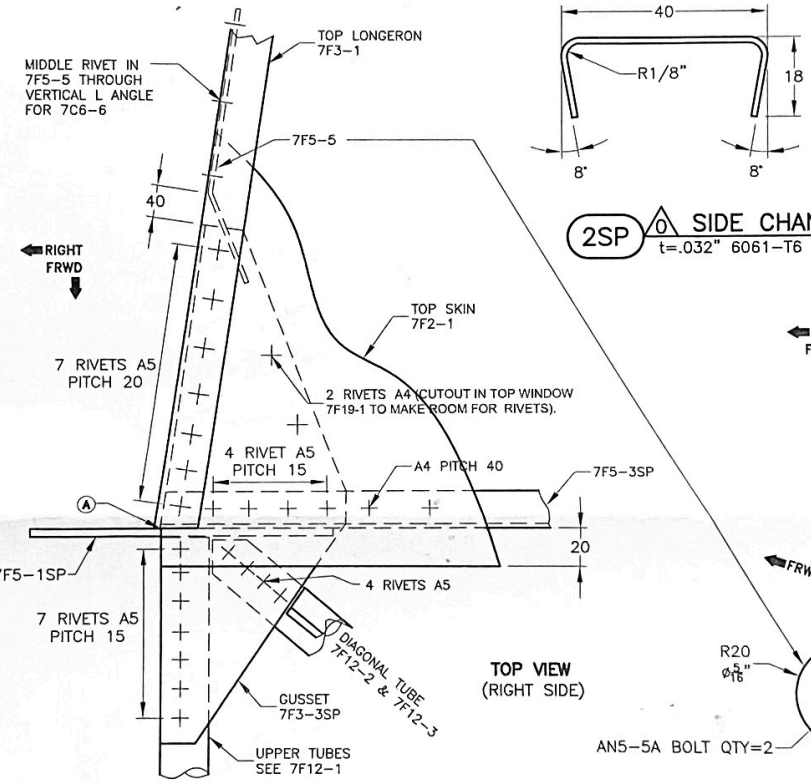



### 3 0 REAR TIE DOWN
t=.040" 6061-T6 (2 REQ'D)
dl=115 l=45

| | | |
|---|---|---|
| STOL CH 701 | REAR FUSELAGE DETAILS | 7-F-4 |
| | COPYRIGHT © 2002 CHRIS HEINTZ WWW.ZENITHAIR.COM | DATE: 11/2007 |




## 1SP 0 REAR WING ATTACHMENT
t=.125" 6061-T6 (2 REQ'D)

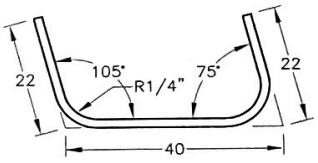






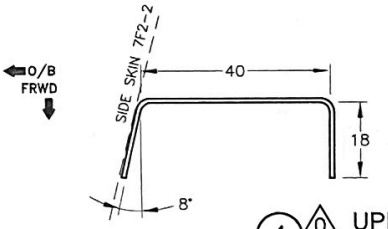
l=760
dl=74

## 2SP 0 SIDE CHANNEL
t=.032" 6061-T6 (2 REQ'D)



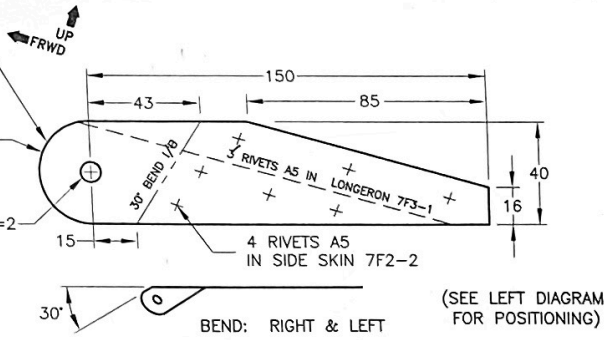

dl=74
l=980

## 3SP 0 TOP CHANNEL
t=.063" 6061-T6 (1 REQ'D)

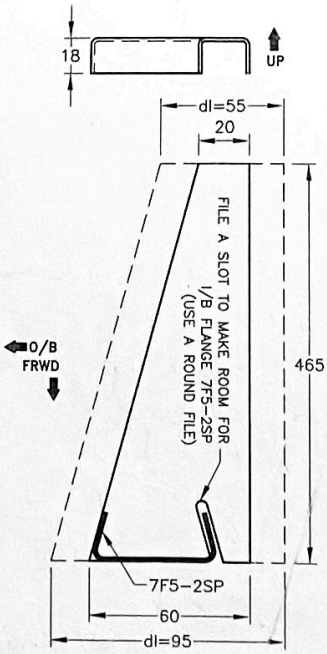



l=950
dl=74

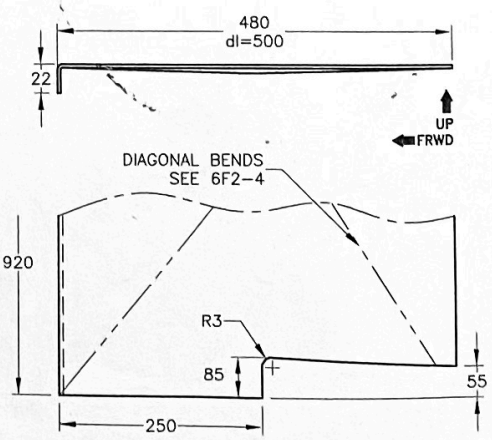
## 4 0 UPRIGHTS
t=.025" 6061-T6 (2 REQ'D)



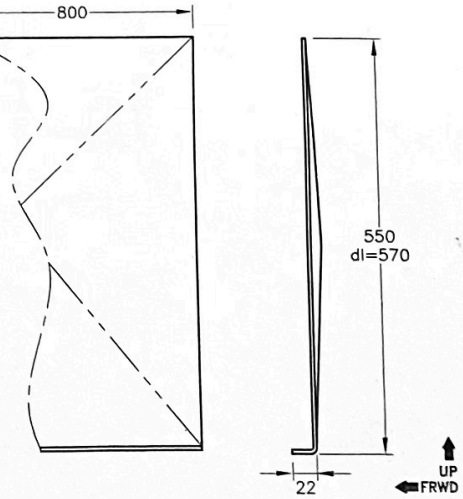

## 5 0 SHOULDER HARNESS ATTACHMENT
t=.063" 6061-T6 (1L & 1R REQ'D)




## 6 0 TAPERED CHANNEL
t=.016" 6061-T6 (1L & 1R REQ'D)



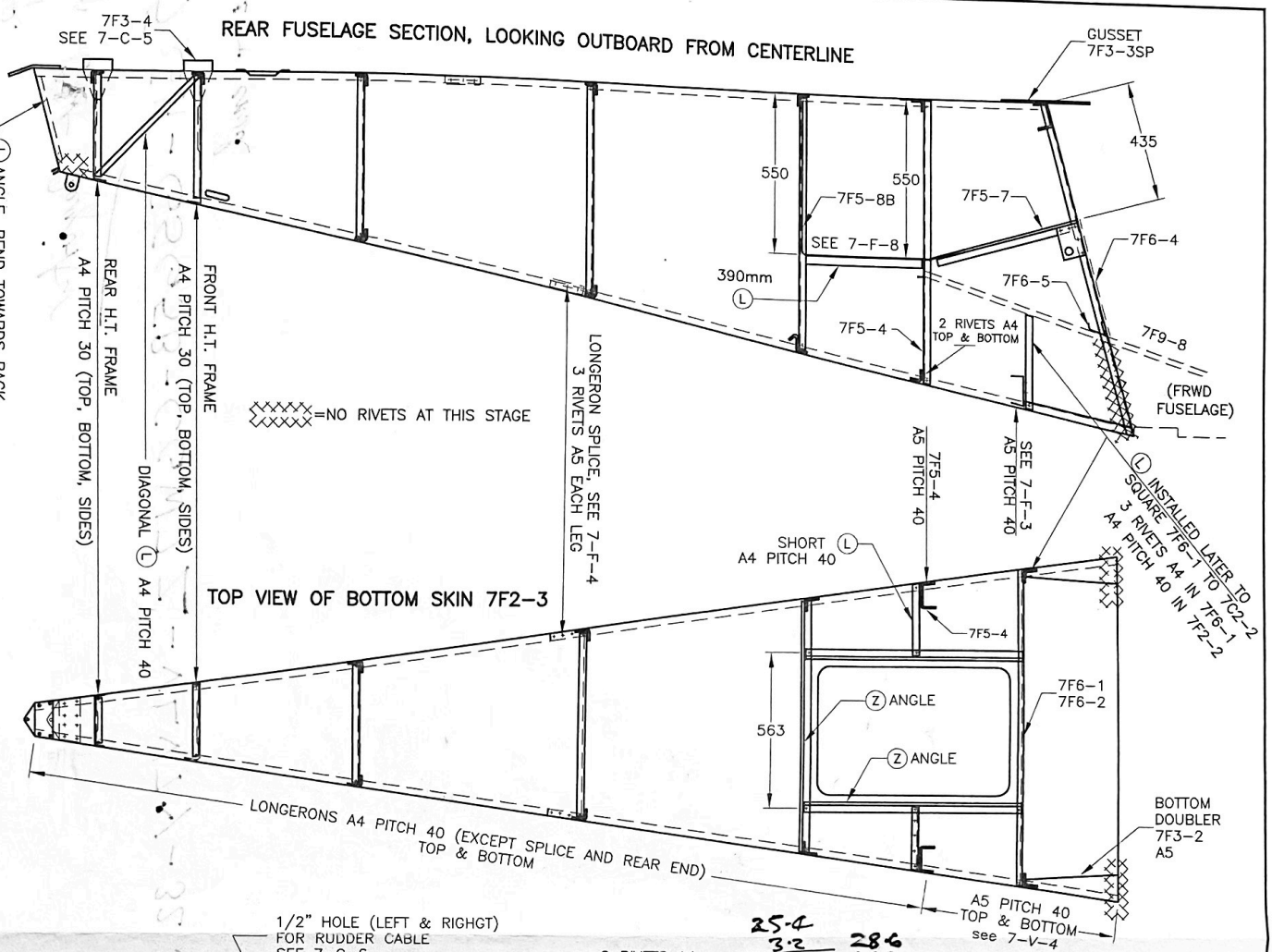

## 7 0 BAGGAGE FLOOR
t=.016" 6061-T6 (1 REQ'D)

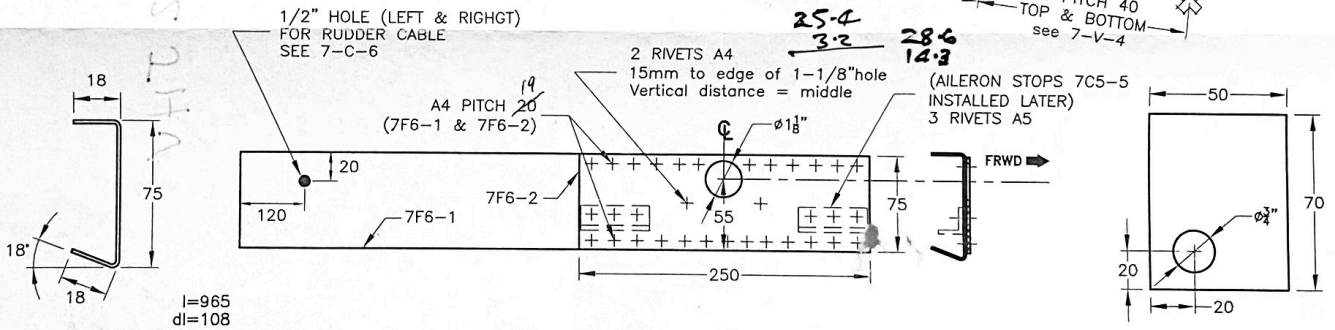



## 8B 0 BAGGAGE COMPARTMENT BACK
t=.016" 6061-T6 (1 REQ'D)

8267

| STOL CH 701 | REAR FUSELAGE PARTS AND DETAILS | 7-F-5 |
|---|---|---|
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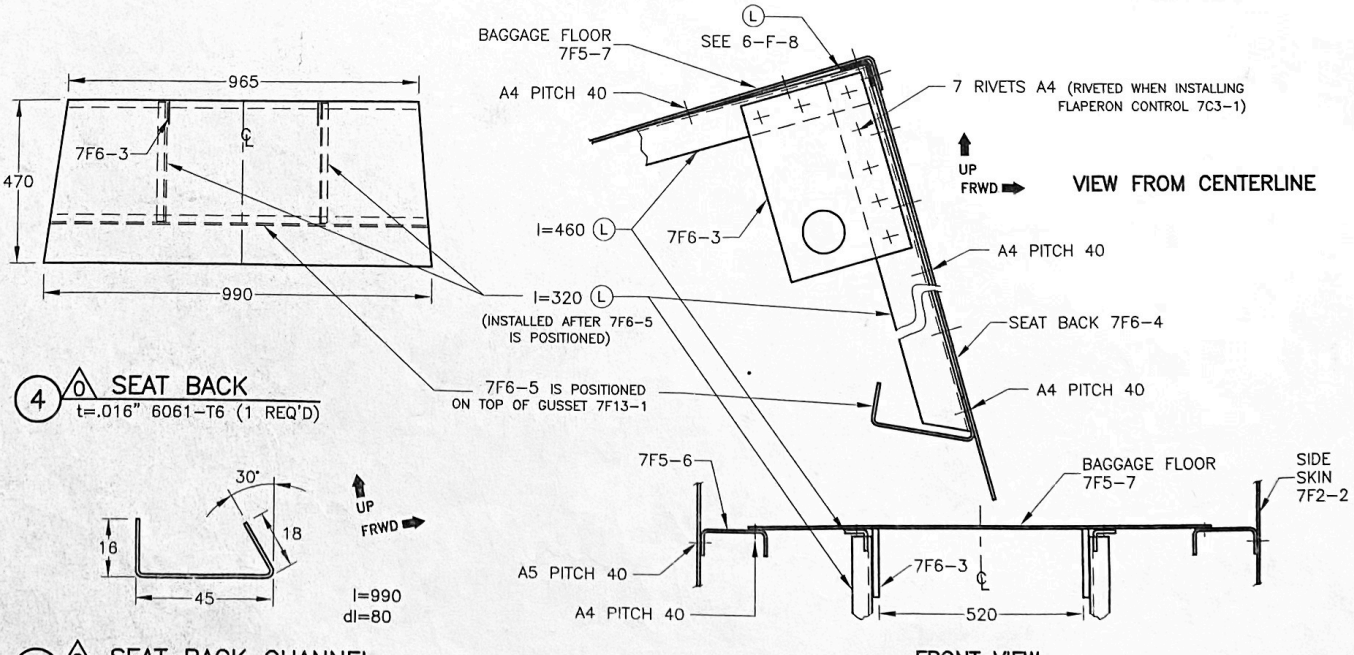



1 ⚠0 BOTTOM CHANNEL
t=.025" 6061-T6 (1 REQ'D)

2 ⚠0 REAR TORQUE TUBE BEARING
t=.063" 6061-T6 (1 REQ'D)

3 ⚠0 FLAPERON CONTROL BEARING
t=.063" 6061-T6 (2 REQ'D)




4 ⚠0 SEAT BACK
t=.016" 6061-T6 (1 REQ'D)

5 ⚠0 SEAT BACK CHANNEL
t=.025" 6061-T6 (1 REQ'D)

8267

STOL CH 701

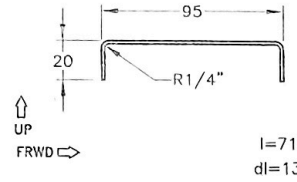
REAR FUSELAGE GENERAL AND DETAILS

7-F-6

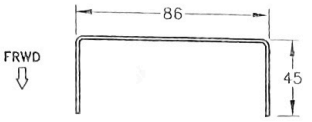
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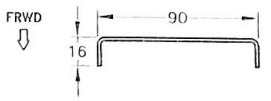
DATE: 04/2006




l=715
dl=130

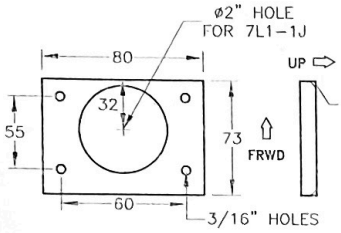



l=387
dl=171

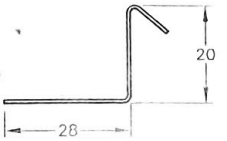



l=205
dl=120

## 1SP ◊0 UPPER CHANNEL
t=.063" 6061-T6 (1 REQ'D)

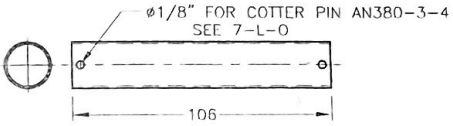



## 2C ◊0 VERTICAL LOWER CHANNEL
t=.040" 6061-T6 (1 REQ'D)




l=387
dl=60

## 3 ◊0 VERTICAL TOP CHANNEL
t=.025" 6061-T6 (1 REQ'D)

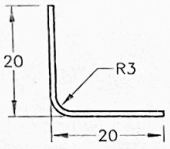



4130 TUBE
5/8" X .058 WALL

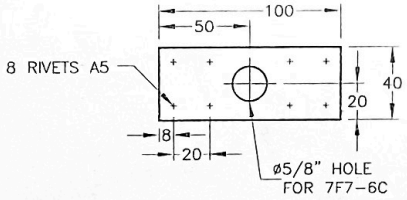
## 4C ◊0 UPPER & LOWER BEARING
t=1/4" NYLON66 (1 REQ'D)
LOWER BEARING 80X95 (1REQ'D)
BOLTS PATTERN SEE 7F8-6

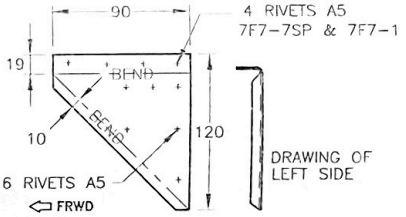
## 5 ◊0 FIREWALL STIFFENERS
t=.040" 6061-T6 (2 REQ'D)

## 6C ◊0 BUNGEE PIN
4130 TUBE (1 REQ'D)




l=715
dl=38

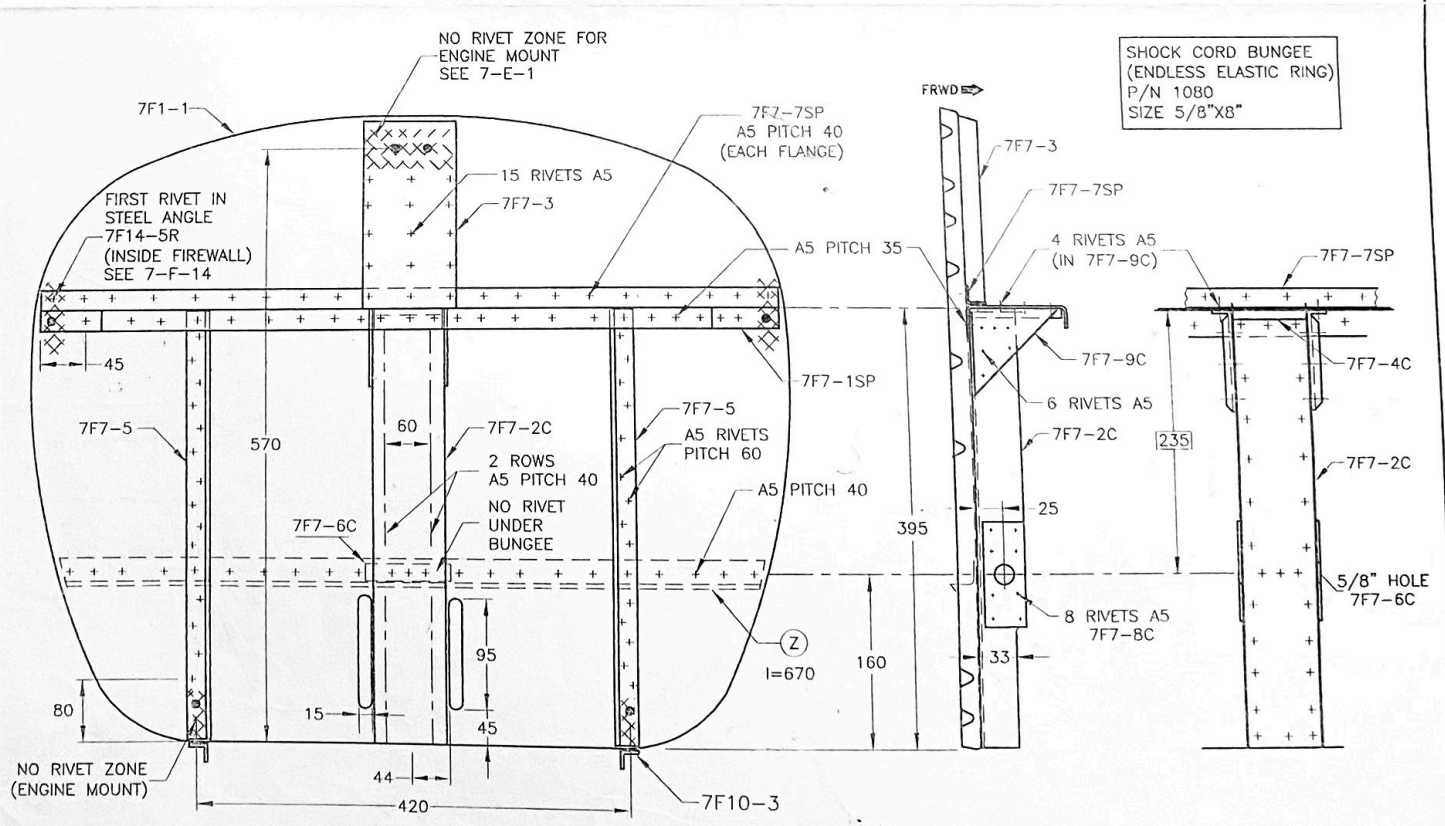


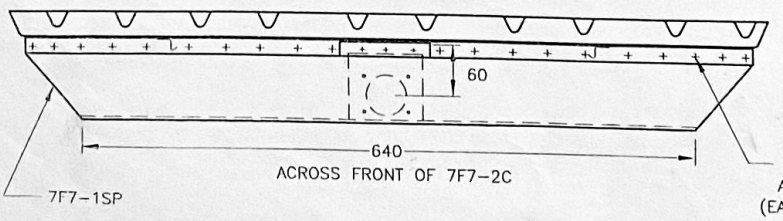



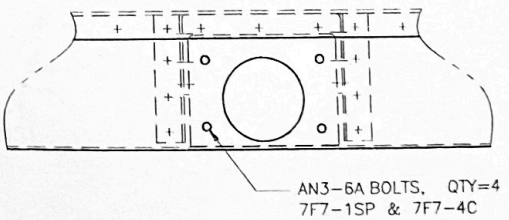

## 7SP ◊0 TOP CHANNEL STIFFENER
t=.040" 6061-T6 (1 REQ'D)

## 8C ◊0 CHANNEL DOUBLER
t=.063" 6061-T6 (2 REQ'D)

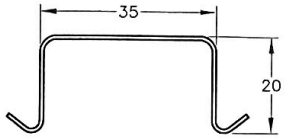
## 9C ◊0 GEAR GUSSET
t=.040" 6061-T6 (1L & 1R REQ'D)



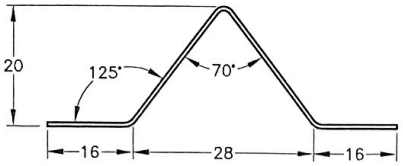




| STOL CH 701 | FIREWALL DETAILS<br>NOSE GEAR UPPER BEARING | 7-F-7 |
|---|---|---|
| | COPYRIGHT © 2002 CHRIS HEINTZ WWW.ZENITHAIR.COM | DATE: 04/2006 |




l=920
dl=90

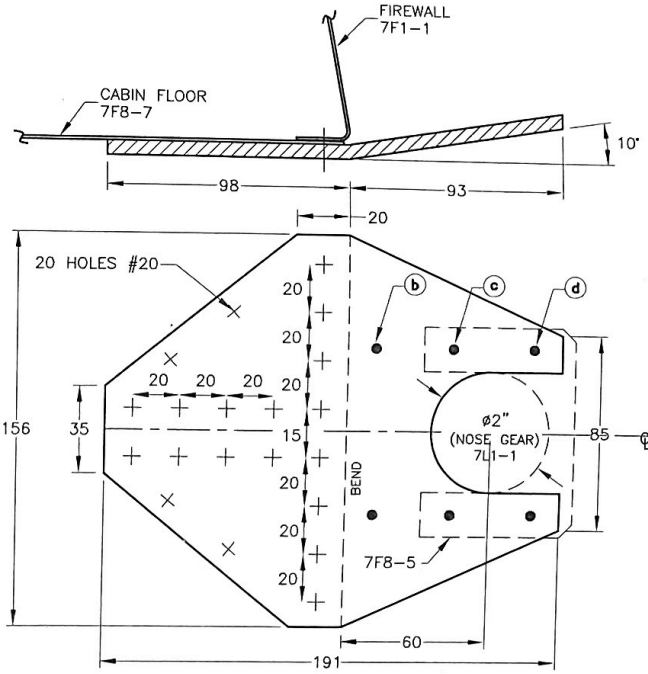
## 1 0 CENTRAL FLOOR STIFFENER
t=.025" 6061-T6 (1 REQ'D)

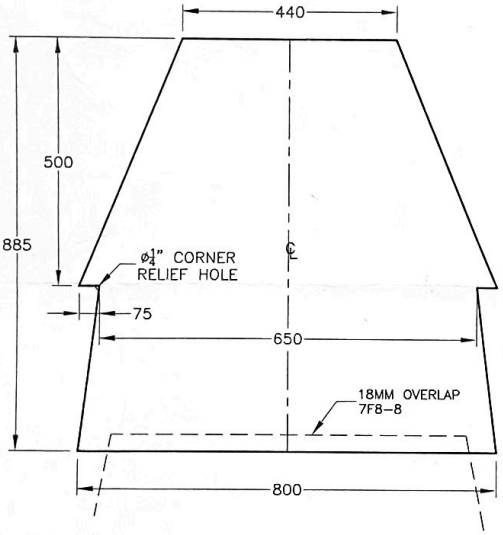



dl=74

## 2 0 FRONT FLOOR STIFFENER
t=.025" 6061-T6 (1 REQ'D)
l=685

## 3 0 REAR FLOOR STIFFENER
t=.025" 6061-T6 (1 REQ'D)
SAME AS 7F8-2 BUT LENGTH l=850

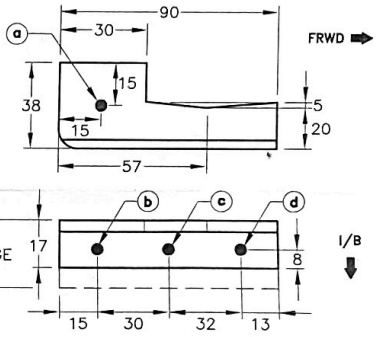



## 4 0 REAR LOWER BEARING
t=.090" 6061-T6 (1 REQ'D)

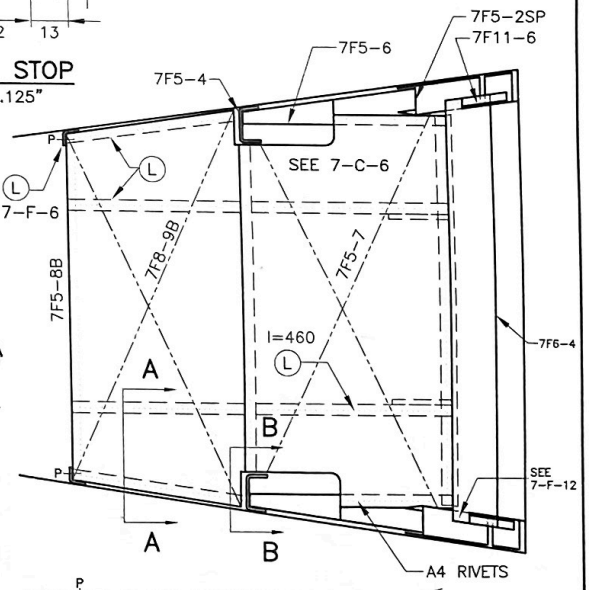
## 5 0 FRONT LOWER BEARING
t=.090" 6061-T6 (1 REQ'D)

LOWER BEARING 7F7-4C
(95X80) IS BOLTED UNDERNEATH
7F8-4. 7F8-5 BOLTS UNDERNEATH
PLASTIC BEARING 7F7-4C

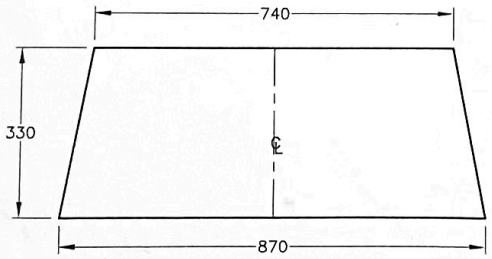


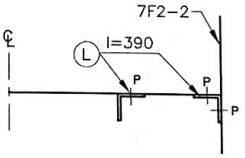

BOLTS W/ S.L. NUTS
"a" AN3-4A QTY=2
"b" AN3-5A QTY=2
"c" AN3-10A QTY=2
"d" AN3-10A QTY=2

## 6 0 NOSE GEAR STOP
EXT 1" X 1 1/2" t=.125"
(1L & 1R REQ'D)

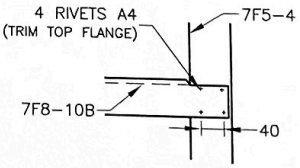



## 7 0 FLOOR
t=.025" 6061-T6 (1 REQ'D)



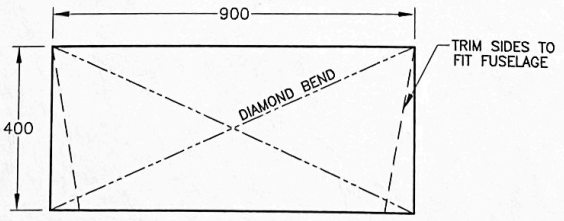



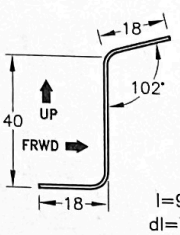

SECTION A-A



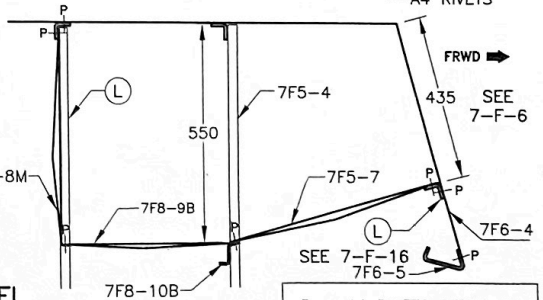

SECTION B-B

## 8 0 BOTTOM
t=.016" 6061-T6 (1 REQ'D)




l=900
dl=74

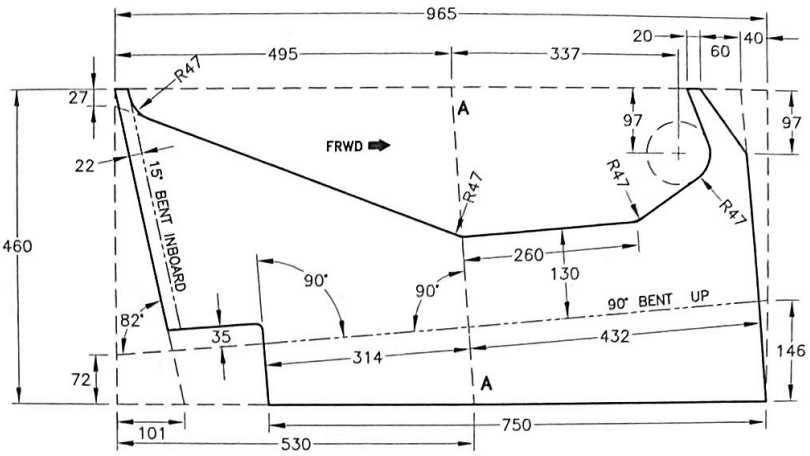



## 9B 0 EXTENDED BAGGAGE PANEL
t=.016" 6061-T6 (1 REQ'D)
400 X 900

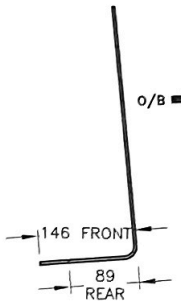
## 10B 0 ZEE CHANNEL
t=.025" 6061-T6 (1 REQ'D)

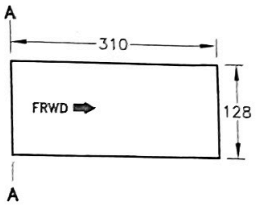
P = A4 RIVETS PITCH 40
(RIVET LINE)

| | | |
|---|---|---|
| STOL CH 701 | FORWARD FUSELAGE PARTS<br>EXTENDED BAGGAGE COMPARTMENT | 7-F-8 |
| | COPYRIGHT © 2002 CHRIS HEINTZ WWW.ZENITHAIR.COM | DATE: 06/2005 |

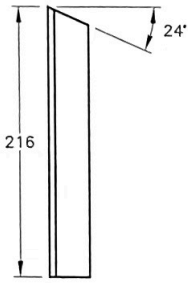


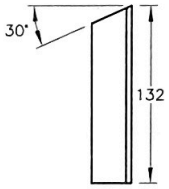

1 ⚠0 CABIN SIDE
t=.032" 6061-T6 (1L & 1R REQ'D)

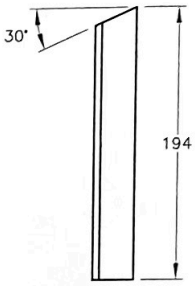


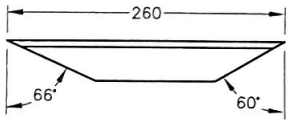




2 ⚠0 DOUBLER
t=.025" 6061-T6 (2 REQ'D)



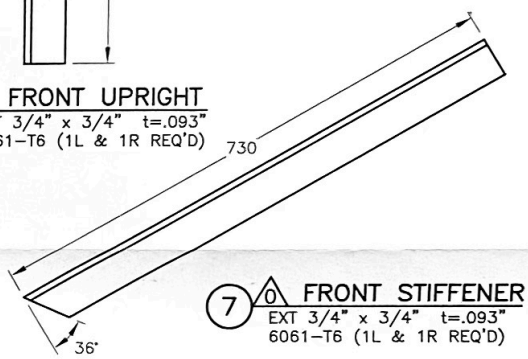




6 ⚠0 TOP STIFFENER
EXT 3/4" x 3/4" t=.093"
6061-T6 (1L & 1R REQ'D)

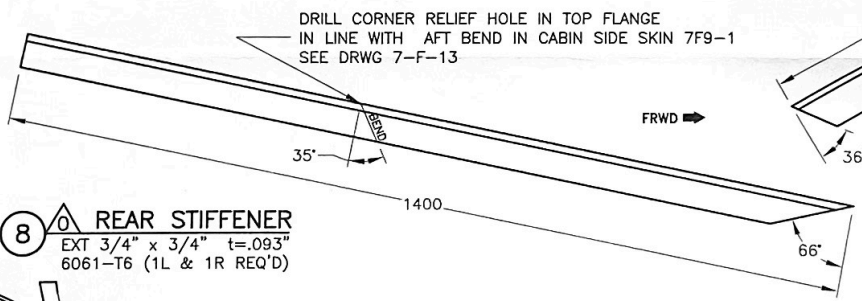
3 ⚠0 REAR UPRIGHT
EXT 3/4" x 3/4" t=.093"
6061-T6 (1L & 1R REQ'D)

4 ⚠0 CENTRAL UPRIGHT
EXT 3/4" x 3/4" t=.093"
6061-T6 (1L & 1R REQ'D)

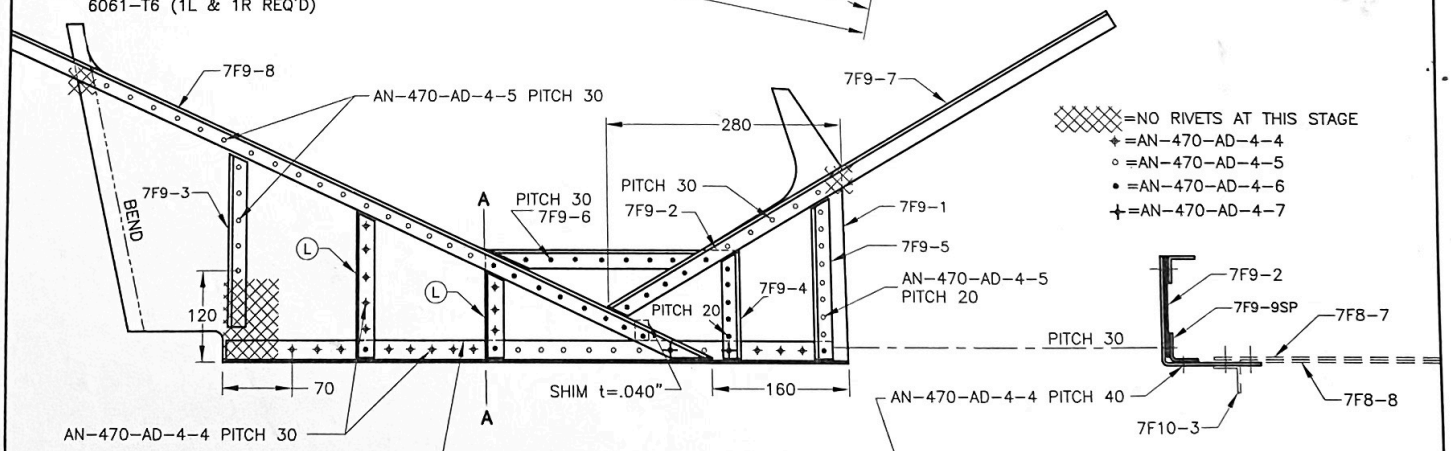
5 ⚠0 FRONT UPRIGHT
EXT 3/4" x 3/4" t=.093"
6061-T6 (1L & 1R REQ'D)



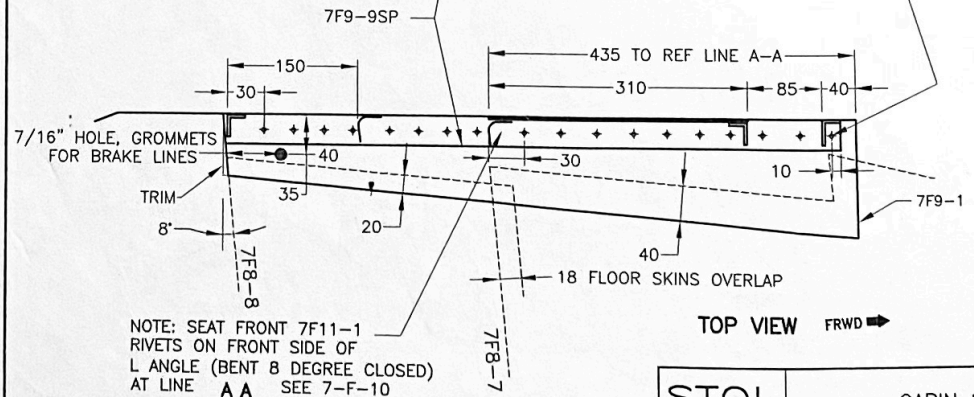

7 ⚠0 FRONT STIFFENER
EXT 3/4" x 3/4" t=.093"
6061-T6 (1L & 1R REQ'D)



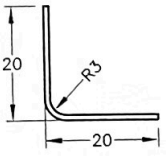

8 ⚠0 REAR STIFFENER
EXT 3/4" x 3/4" t=.093"
6061-T6 (1L & 1R REQ'D)




INSIDE VIEW OF LEFT SIDE




TOP VIEW FRWD




l=730
dl=38

9SP ⚠0 CORNER ANGLE
t=.040" 6061-T6 (2 REQ'D)

| | | |
|---|---|---|
| STOL CH 701 | CABIN SIDES ASSEMBLY | 7-F-9 |
| | COPYRIGHT © 2002 CHRIS HEINTZ WWW.ZENITHAIR.COM | DATE: 08/2005 |

INSTALLATION SEQUENCE FOR 7F17-SP

1) TAPER ENDS OF 7F10-1, CLECO 7F10-2 TO 7F10-1
2) ALIGN CENTER LINES & CLECO 7F8-8 TO 7F8-7 & 7F10-1, ADD 7F11-1
3) POSITION 7F17-1SP WITH FRONT CHANNEL PICK UP FLUSH WITH FRONT EDGE OF CUTOUT IN 7F9-1
4) OFFSET BOTTOM OF 7F17-1SP UP .090" TO BOTTOM OF 7F9-1, CLECO 7F17-1SP TO 7F9-1
5) TO POSITION CABIN SIDES TO FLOOR ASSEMBLY, INSERT CHANNEL PICK UP WELDED ON 7F17-1SP BETWEEN 7F10-2.
6) MAKE A TEMPLATE 1044 OR WIDTH OF REAR FUSELAGE (CLAMP TO 7F10-1) SET WIDTH ACROSS FRONT OF CABIN SIDES TO 825
7) SET TOP AFT CORNER OF 7F9 = WIDTH OF REAR FUSELAGE, LEVEL TOP OF 7F10-1 TO FLOOR SKIN & DRILL 7F17-1SP TO 7F10-1 & 2

CHECK: STRUT PICK UP (WELDED ON 7F17-1SP) IS PARALLEL WITH FLOOR OF CABIN SIDES.

TO FIT WINGS SEE 7-F-15

TUBES 7-F-12

7F5-4

INSTRUMENT PANEL WEB IS VERTICAL SEE 7-F-15

390

7F14-6SP & 7F14-5SP

7E1-1SP

CABIN SIDES 7-F-9

(A) SEE DWG 7-F-9 (FRONT EDGE OF SEAT)

435

SEAT

RUDDER PEDALS

60

NOSE GEAR

210

1300

CHECK: TOP OF CUTOUT IN 7F9-1 AND BOTTOM OF EXT 7F9-3 DO NOT INTERFERE WITH BOTTOM CHANNEL 7F10-1

=NO RIVETS AT THIS STAGE FOR 7C4-2 & 7C4-3

7F10-3 A5 PITCH 30 AFT .7 RIVETS A5 PITCH 15

LONGERON 7F10-3 POSITIONED 400 AT FRONT 880 AT REAR

6 RIVETS A5 FRONT EDGE OF 7-F-9

850

(Z) SEE 7-F-14

LAST 7 RIVETS IN 7F10-3 A5 PITCH 15

A5 PITCH 30

7-F-9

UP

1044 CHECK WITH REAR FURSELAGE: OUTSIDE TO OUTSIDE DISTANCE ACROSS 7F3-1

7F10-1

7F11-1

7F8-3

7F8-2

7F8-8

7F8-7

825

880

400

7F8-1

7F8-4

290

280

7F10-3

A4 PITCH 40 3 RIVETS A5 IN 7F3-2

A4 PITCH 40

A4 PITCH 40

RIVETS A4 PITCH 40

RIVETS A5 (P20 in 7F8-4) PITCH 40 O/B 7F8-4)

FIREWALL 7-F-7

REAR FUSELAGE

A

18 OVERLAP

7C4-2

A

1300

18°

35

102

24

20

14

3

7F10-2

1038

1000

l=1038
dl=209

NOTE: GEAR IS PARALLEL TO CABIN FLOOR.

6 RIVETS A5 PITCH 15

140

SEE 7F17-1SP

10

25

85

TRIM FRONT & AFT EDGE EVEN WITH EDGE OF FLOOR SKINS

1230

100

30

FRWD

UP

℄

TWO ROWS 15MM APART A4 PITCH 40

FLOOR SKINS

7F8-1

SECTION A-A

## 1 BOTTOM CHANNEL
t=.032" 6061-T6 (1 REQ'D)

## 2 CHANNEL DOUBLER
t=.063" 6061-T6 (4 REQ'D)

## 3 FRONT BOTTOM LONGERON
EXT 3/4" X 3/4" t=.093" 6061-T6 (2 REQ'D)

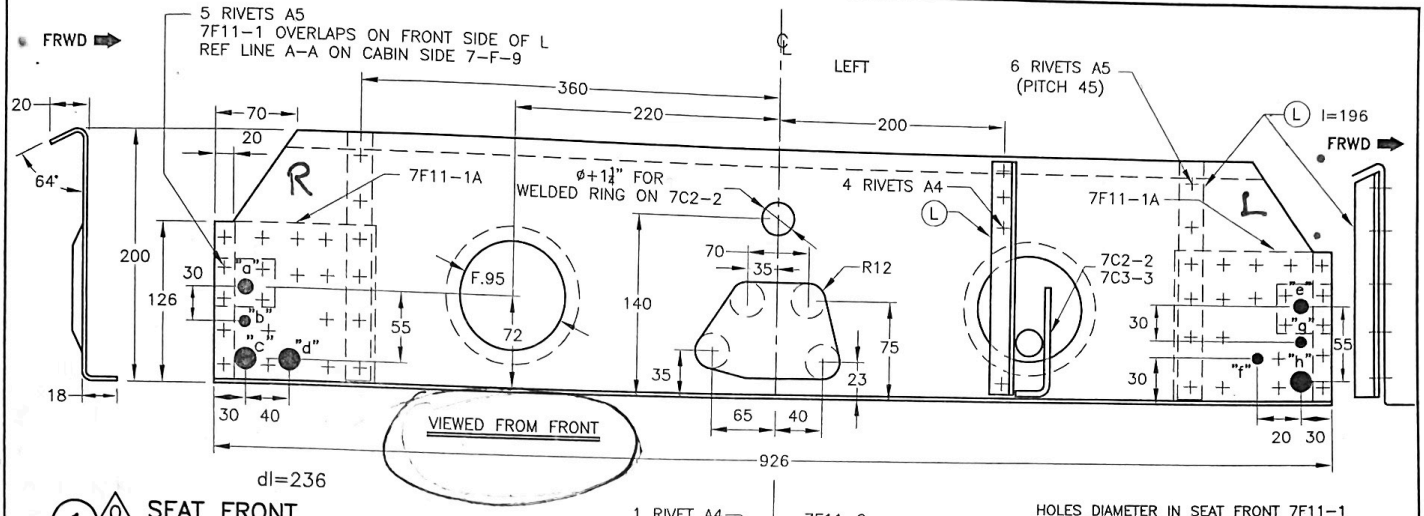
8267

STOL CH 701

FORWARD FUSELAGE FLOOR

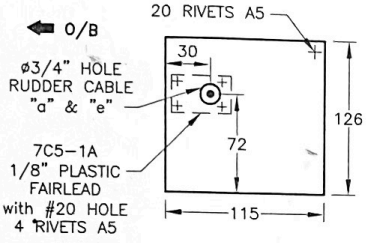
7-F-10

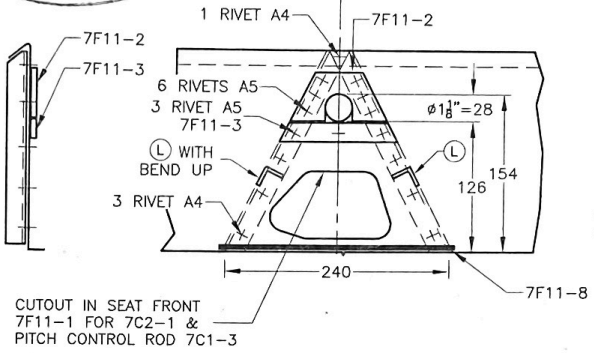
COPYRIGHT © 2002 CHRIS HEINTZ




## 1 ◊0 SEAT FRONT

t=.032" 6061-T6 (1 REQ'D)



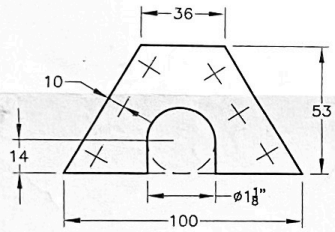




HOLES DIAMETER IN SEAT FRONT 7F11-1
"a" RIGHT RUDDER CABLE 3/4"
"b" RIGHT BRAKE LINE 7/16"
"c" BATTERY CABLE 13/16"
"d" TRIM TAB, NAV/STROBE LIGHT 13/16"
"e" LEFT RUDDER CABLE 3/4"
"f" PITOT TUBE 7/16" SEE 7-V-1
"g" LEFT BRAKE LINE 7/16"
"h" FUEL LINE 13/16" SEE 7-E-5

GROMMETS
AN931-4-7 FOR 7/16" HOLE 1/4" I/D
AN931-8-13 FOR 13/16" HOLE 9/16" I/D

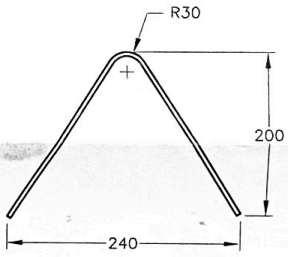
## 1A ◊0 SEAT FRONT DOUBLER

t=.025" 6061-T6 (2 REQ'D)




## 2 ◊0 FRONT BEARING TOP

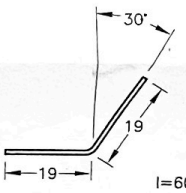
t=.125" 6061-T6 (1 REQ'D)




## 4 ◊0 TUNNEL

t=.025" 6061-T6 (1 REQ'D)

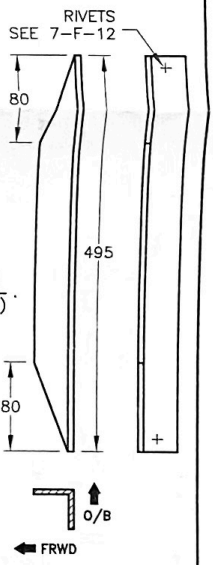
l=455
dl=480

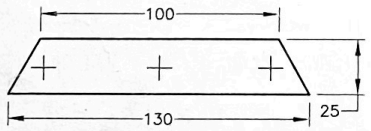



## 4A ◊0 TUNNEL ANGLES

t=.025" 6061-T6 (2 REQ'D)

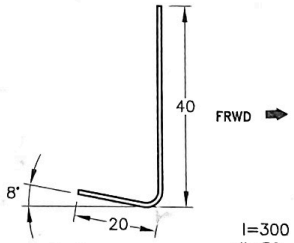
l=600
dl=38




## 3 ◊0 FRONT BEARING BOTTOM

t=.125" 6061-T6 (1 REQ'D)



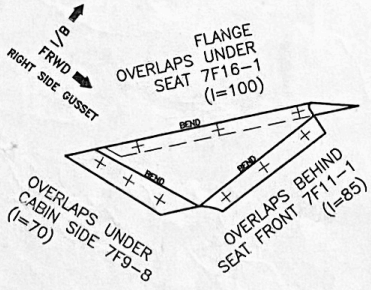

l=300
dl=58

## 5 ◊0 UPRIGHTS

t=.040" 6061-T6 (2 REQ'D)

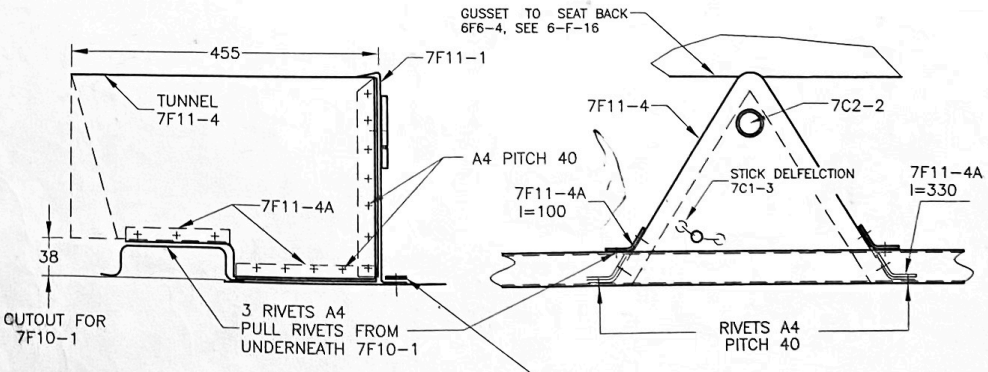
## 6 ◊0 UPRIGHT DOUBLERS

EXT 3/4" X 3/4" t=.093" 6061-T6 (2 REQ'D)




## 7 ◊0 SEAT GUSSET

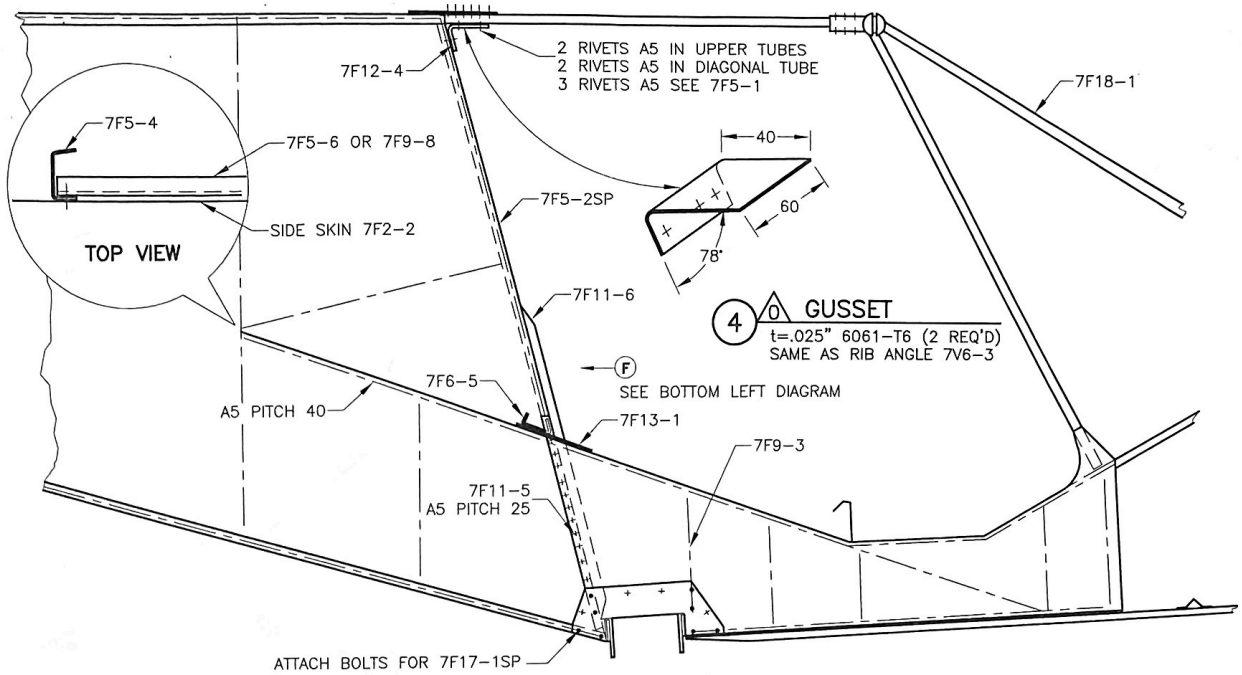
t=.025" 6061-T6 (2 REQ'D)
OUT OF 1 PIECE 100 X 200

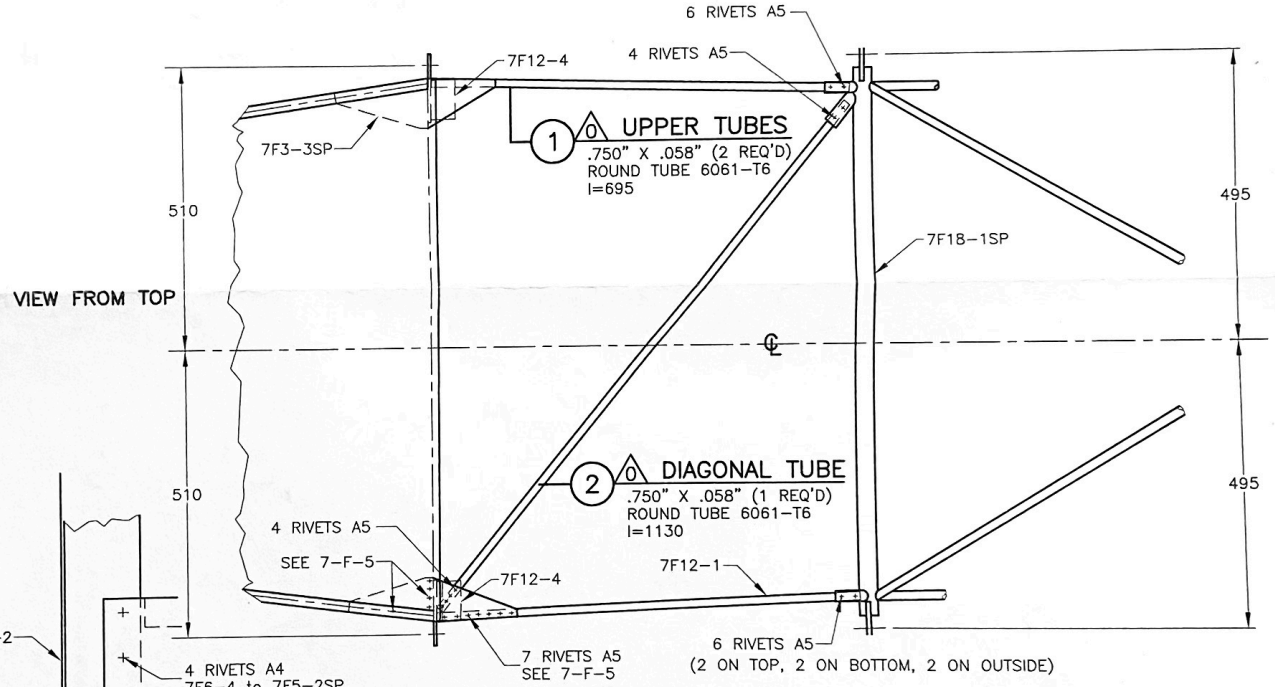


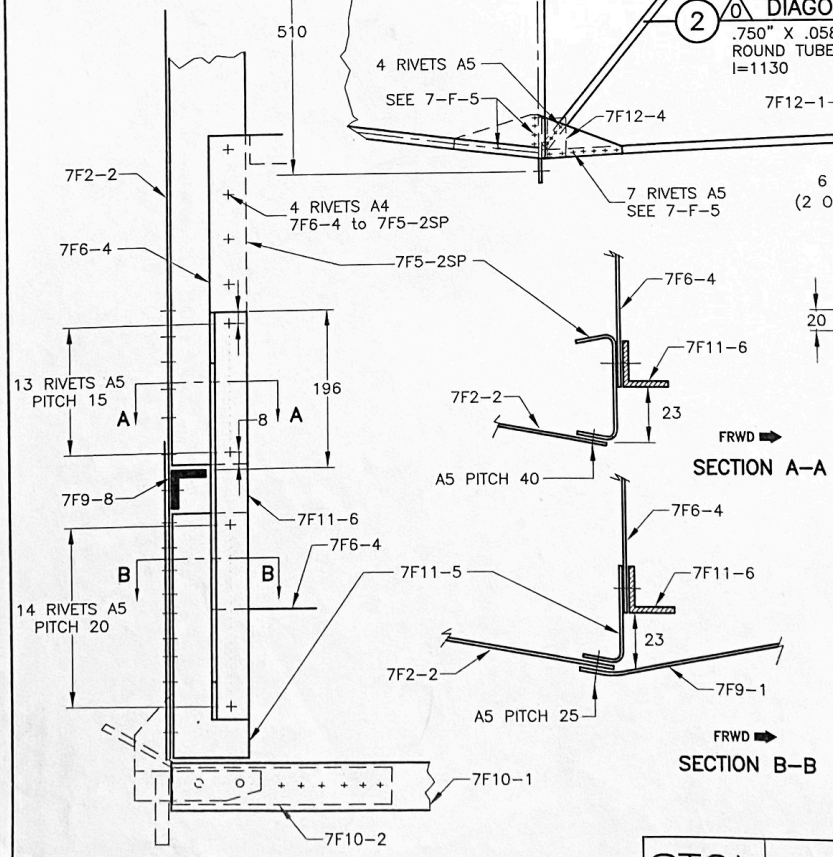

## 8 ◊0 REINFORCEMENT PLATE

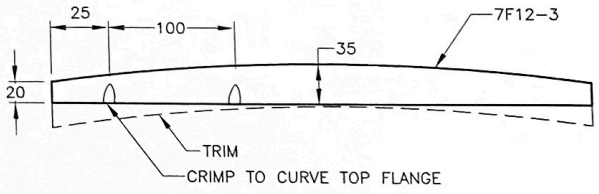
t=.090" 6061-T6 (1 REQ'D)
20 X 250 (PLATE ONLY REQUIRED FOR FLOAT INSTALLATION)

| | | |
|---|---|---|
| STOL CH 701 | SEAT FRONT & TUNNEL DETAIL | 7-F-11 |
| | COPYRIGHT © 2002 CHRIS HEINTZ WWW.ZENITHAIR.COM | DATE: 06/2005 |

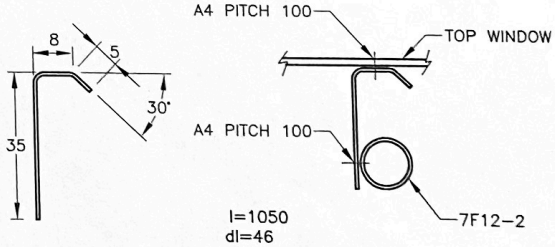


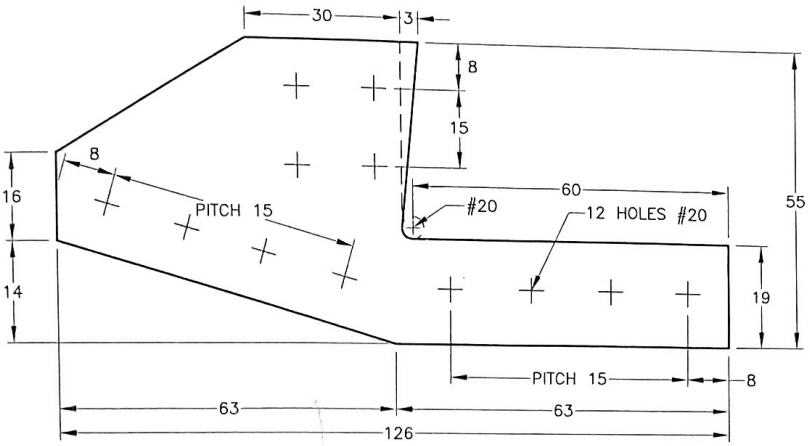




WAIT TO INSTALL 7F12-3 UNTIL
AFTER TOP WINDOW IS INSTALLED.



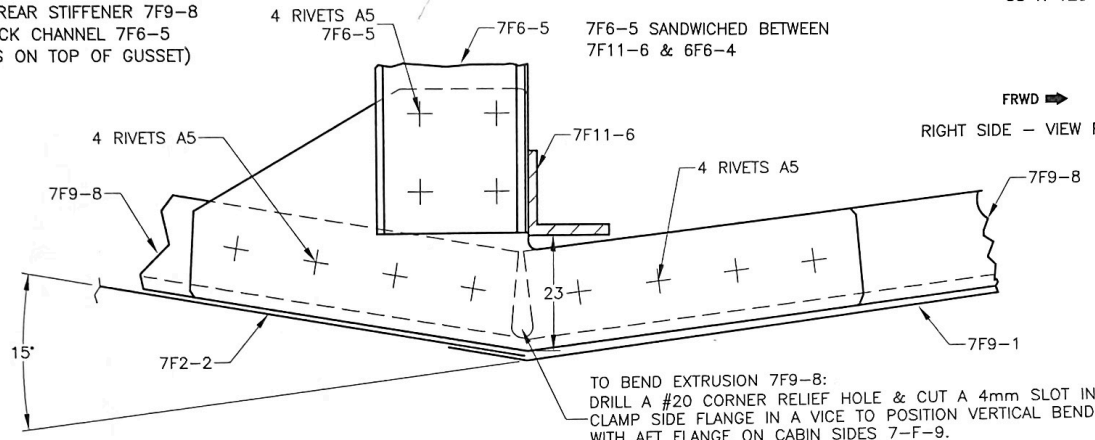

3 DIAGONAL STIFFENER
t=.025" 6061-T6 (1 REQ'D)

| | | |
|---|---|---|
| STOL CH 701 | FUSELAGE DETAILS | 7-F-12 |
| | COPYRIGHT © 2002 CHRIS HEINTZ WWW.ZENITHAIR.COM | DATE: 1/2008 |

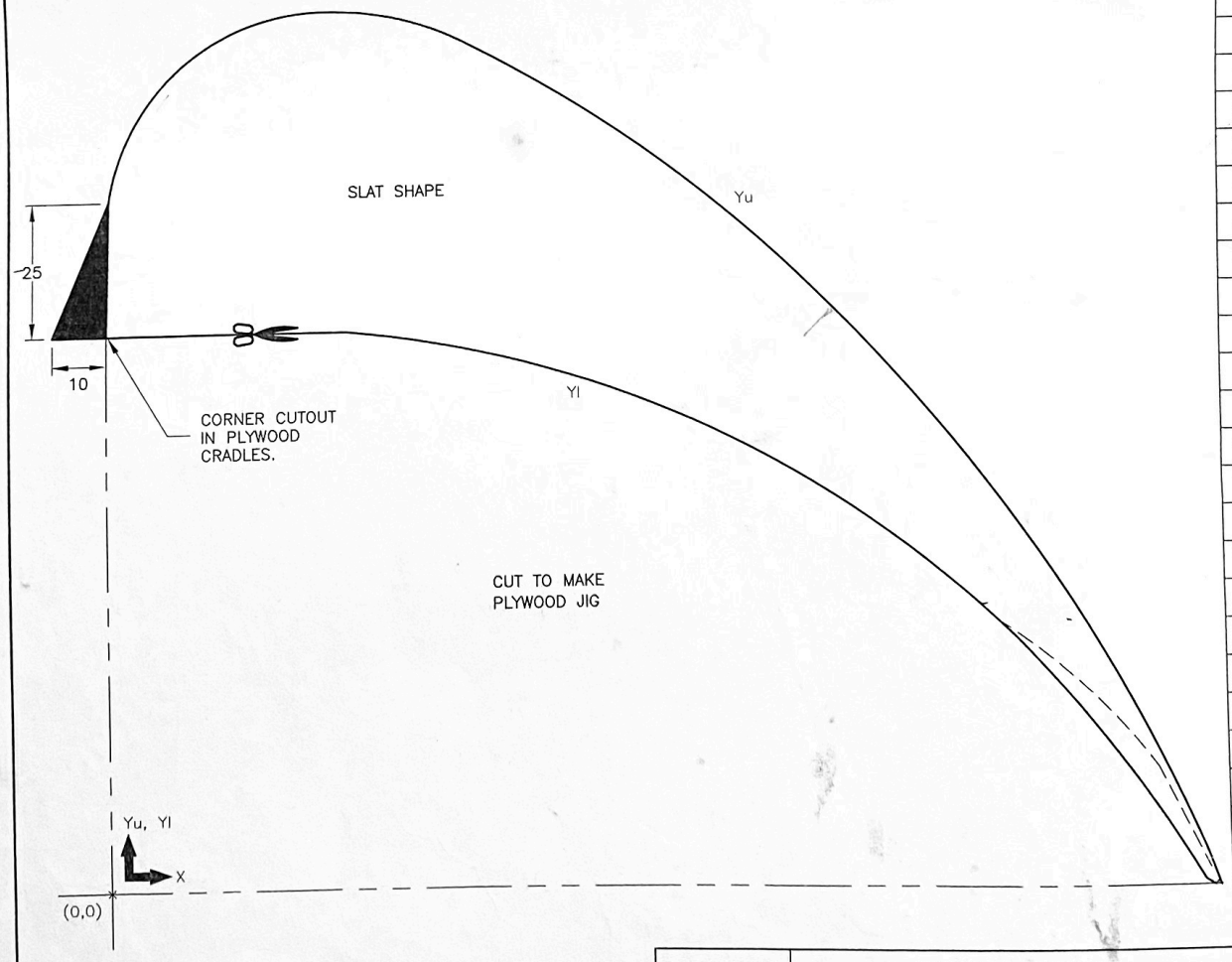



1 GUSSET
t=.063" 6061-T6 (2 REQ'D)
55 X 126

NOTE: GUSSET IS POSITIONED ON TOP OF REAR STIFFENER 7F9-8 (SEAT BACK CHANNEL 7F6-5 OVERLAPS ON TOP OF GUSSET)

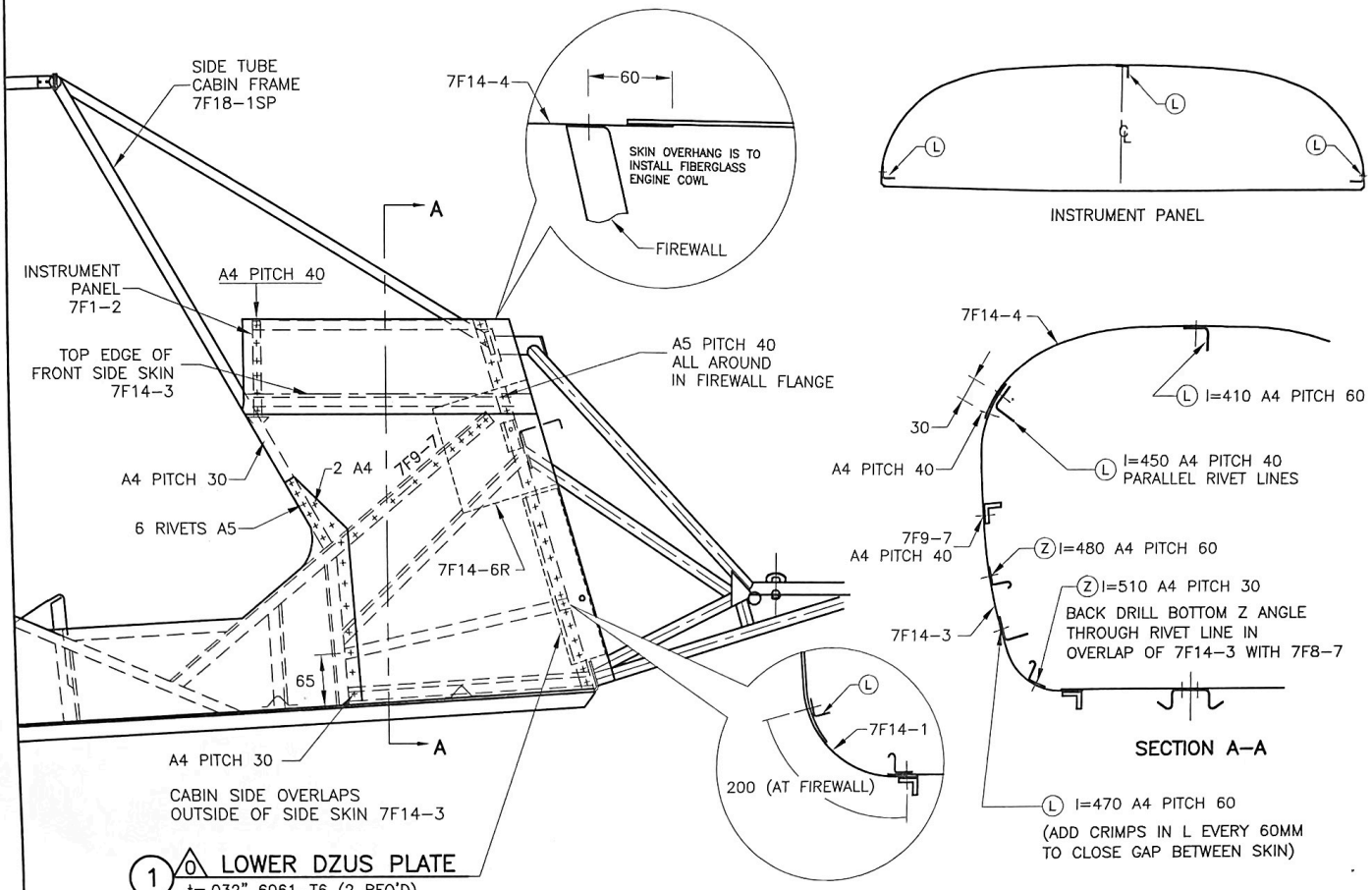



TO BEND EXTRUSION 7F9-8:
DRILL A #20 CORNER RELIEF HOLE & CUT A 4mm SLOT IN TOP FLANGE.
CLAMP SIDE FLANGE IN A VICE TO POSITION VERTICAL BEND IN LINE WITH AFT FLANGE ON CABIN SIDES 7-F-9.
PULL TO BEND SIDE FLANGE 15 DEGREES.

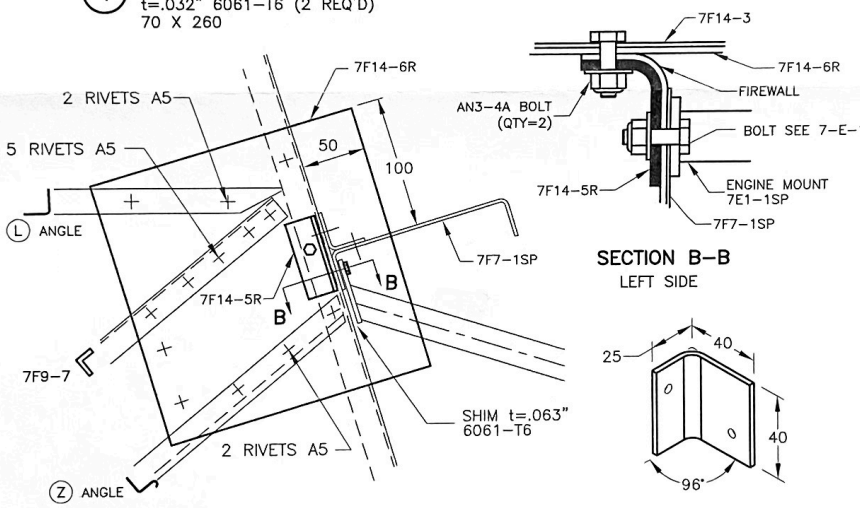



| X | Yu | Yl |
|---|---|---|
| 0 | 122.9 | 107.8 |
| 4 | – | 104 |
| 10 | 150 | 104 |
| 20 | 158.5 | 104 |
| 30 | 163 | 104 |
| 40 | 164.6 | 104 |
| 45 | – | 104 |
| 50 | 164.2 | 103.4 |
| 60 | 161.9 | 102 |
| 70 | 157.5 | 100 |
| 80 | 152 | 97.5 |
| 90 | 145.9 | 94.4 |
| 100 | 139.2 | 90.9 |
| 110 | 131.8 | 86.7 |
| 120 | 123.6 | 81.9 |
| 130 | 114.5 | 76.4 |
| 140 | 104.5 | 70.1 |
| 150 | 93.6 | 63 |
| 160 | 81.7 | 55 |
| 170 | 68.4 | 46 |
| 180 | 53.6 | 35 |
| 190 | 36.7 | 22.5 |
| 200 | 17 | 8 |
| 205 | – | 0 |
| 207 | 0 | – |

| | | |
|---|---|---|
| STOL CH 701 | FUSELAGE DETAILS<br>SLAT PROFILE | 7-F-13 |
| | COPYRIGHT © 2002 CHRIS HEINTZ WWW.ZENITHAIR.COM | DATE: 03/2004 |

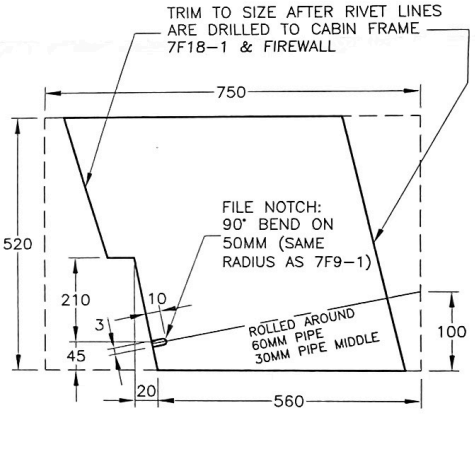



## 1 0 LOWER DZUS PLATE
t=.032" 6061-T6 (2 REQ'D)
70 X 260

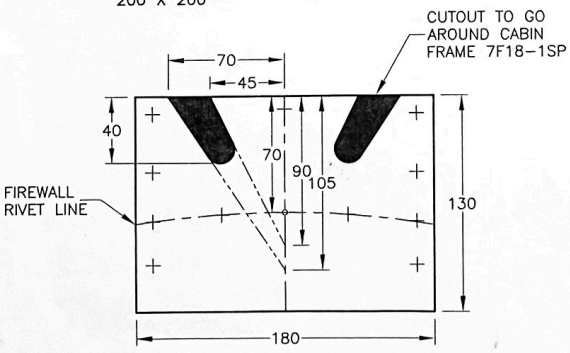



## 6R 0 ALUMINUM PLATE
t=.040" 6061-T6 (2 REQ'D)
200 X 200

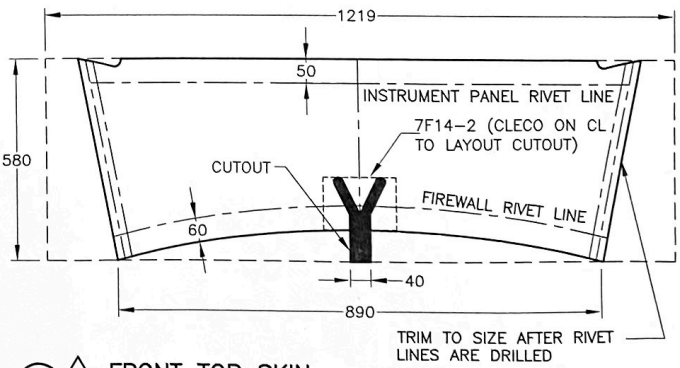
## 5R 1 STEEL ANGLE
t=.125" 4130 (2 REQ'D)




## 3 0 FRONT SIDE SKIN
t=.016" 6061-T6 (2 REQ'D)

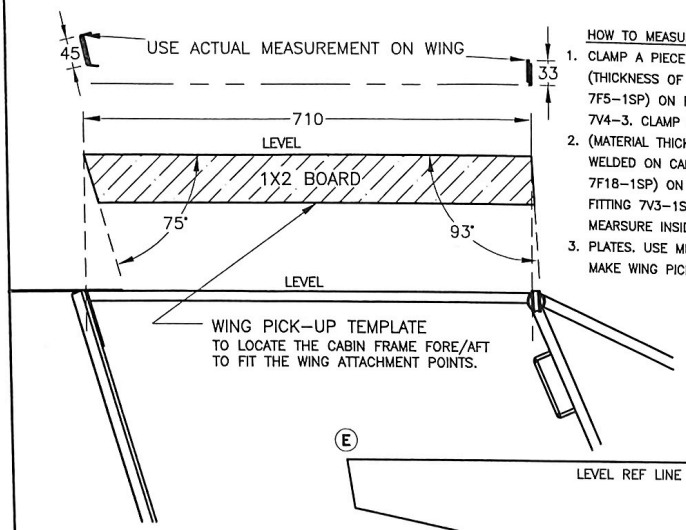



## 2 0 TOP COVER PLATE
t=.025" 6061-T6 (1 REQ'D)



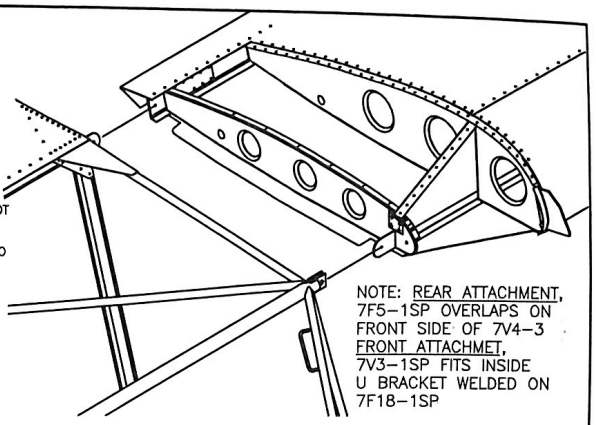

## 4 0 FRONT TOP SKIN
t=.016" 6061-T6 (1 REQ'D)

| | | |
|---|---|---|
| STOL CH 701 | FRONT SIDES & TOP SKIN ENGINE MOUNT MIDDLE BOLTS DETAIL | 7-F-14 |
| | COPYRIGHT © 2002 CHRIS HEINTZ WWW.ZENITHAIR.COM | DATE: 04/2006 |

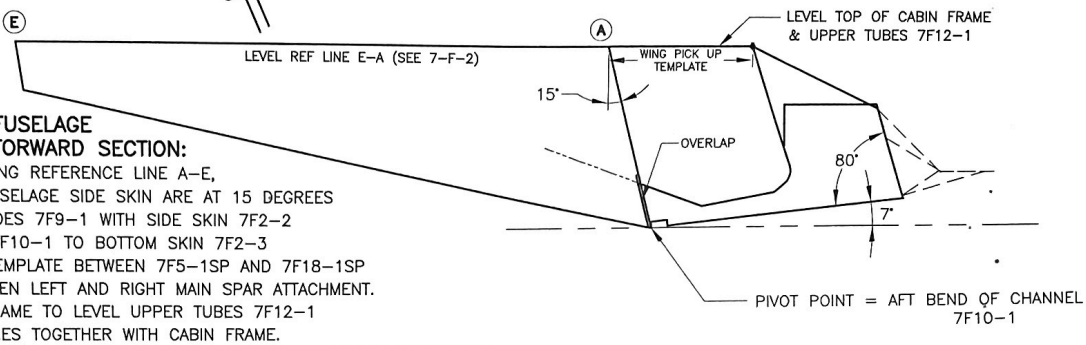



HOW TO MEASURE WING

1. CLAMP A PIECE OF 1/8" PLATE (THICKNESS OF REAR WING ATTACHMENT 7F5-1SP) ON FRONT SIDE OF DOUBLER 7V4-3. CLAMP A PIECE OF .080" PLATE
2. (MATERIAL THICKNESS OF U BRACKET WELDED ON CABIN FRAME 7F18-1SP) ON BACK SIDE OF SPAR ROOT FITTING 7V3-1SP MEARSURE INSIDE DISTANCE BETWEEN TWO
3. PLATES. USE MEASURED DISTANCE TO MAKE WING PICKUP TEMPLATE.

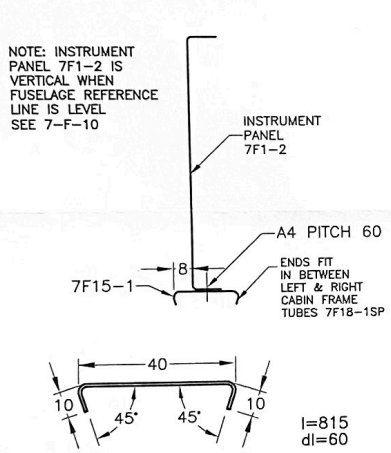


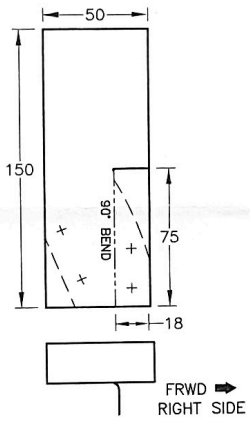
NOTE: REAR ATTACHMENT, 7F5-1SP OVERLAPS ON FRONT SIDE OF 7V4-3
FRONT ATTACHMET, 7V3-1SP FITS INSIDE U BRACKET WELDED ON 7F18-1SP

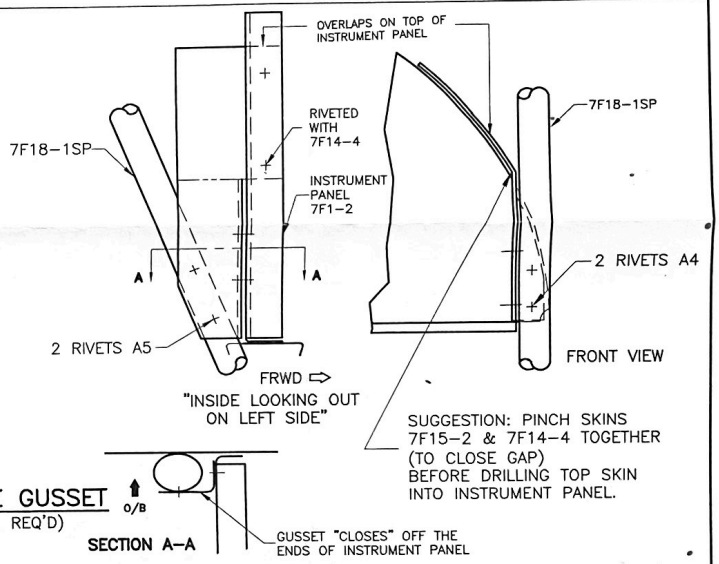



## JOINING REAR FUSELAGE ASSEMBLY TO FORWARD SECTION:

1. LEVEL REAR FUSELAGE ALONG REFERENCE LINE A-E, CHECK FRONT EDGE OF FUSELAGE SIDE SKIN ARE AT 15 DEGREES
2. SET OVERLAP OF CABIN SIDES 7F9-1 WITH SIDE SKIN 7F2-2
3. CLECO BOTTOM CHANNEL 7F10-1 TO BOTTOM SKIN 7F2-3
4. POSITION WING PICK-UP TEMPLATE BETWEEN 7F5-1SP AND 7F18-1SP
5. LEVEL CABIN FRAME BETWEEN LEFT AND RIGHT MAIN SPAR ATTACHMENT.
6. RAISE OR LOWER CABIN FRAME TO LEVEL UPPER TUBES 7F12-1
7. CHECK HOW FIREWALL COMES TOGETHER WITH CABIN FRAME.
8. WAIT TO DRILL CABIN FRAME THROUGH FIREWALL UNTIL ENGINE MOUNT IS POSITIONED.

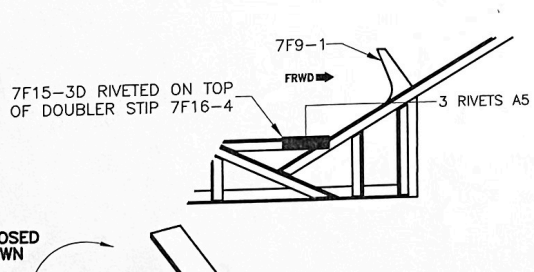


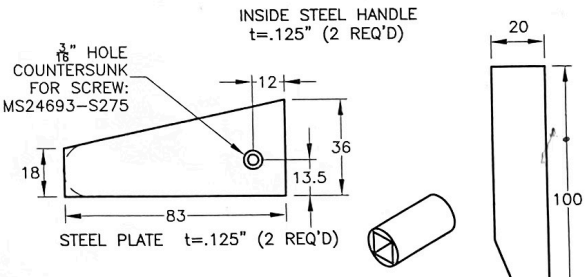



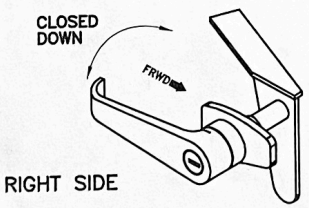




### 1 PANEL BOTTOM CHANNEL
t=.025" 6061-T6 (1 REQ'D)

### 2 PANEL SIDE GUSSET
t=.016" 6061-T6 (2 REQ'D)

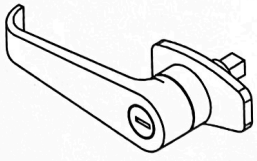


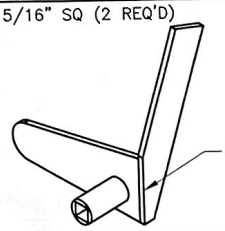



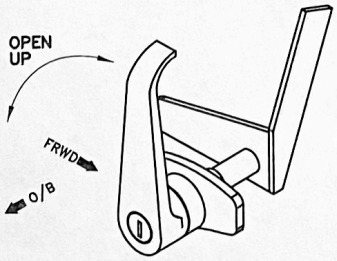

### 3D STRIKER PLATE
18 GA STAINLESS STEEL (1L & 1R REQ'D)

### P/N14613 SQUARE TUBE BUSHING
.500"OD X 5/16" SQ (2 REQ'D)
l=19



FOR LEFT AND RIGHT SIDE ONE HANDLE INTERNAL MECHANISM HAS TO BE REVERSED



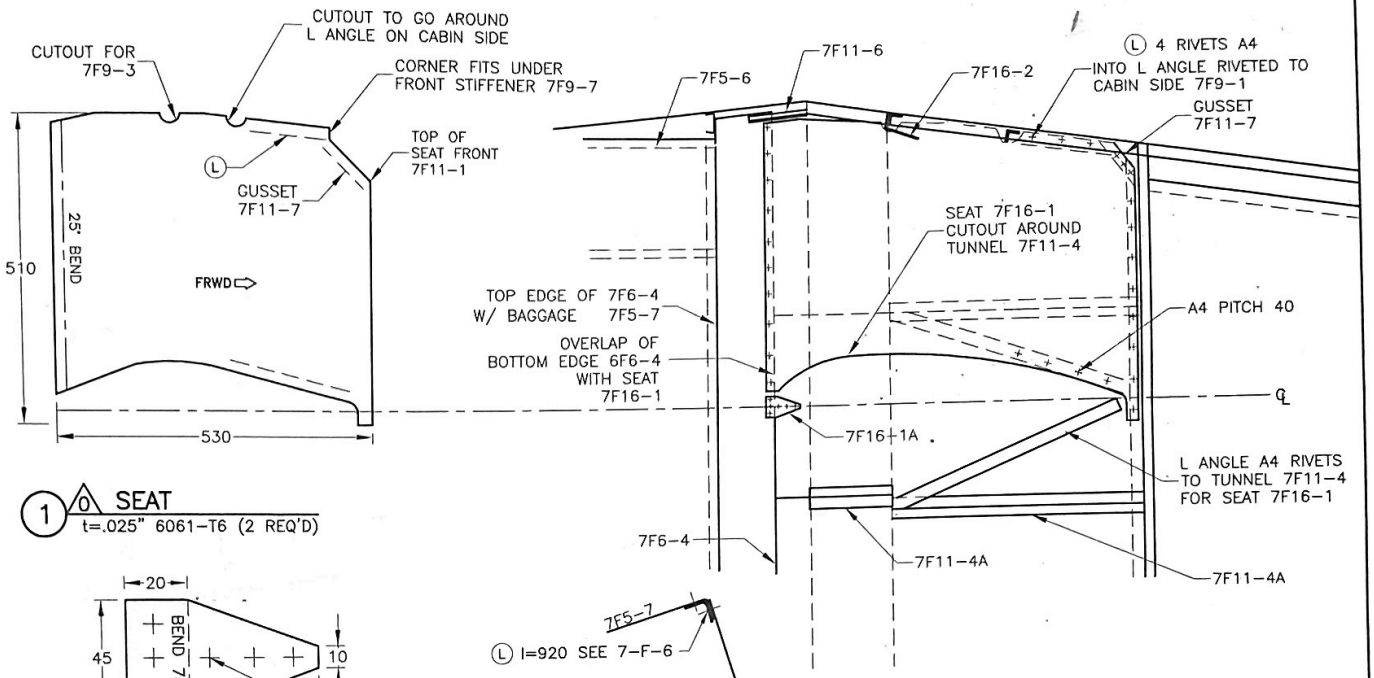




### P/N1226A62 EXTERIOR DOOR HANDLE
ASSEMBLY (1L & 1R REQ'D)

### 4D INTERIOR HANDLE/LATCH
WELDED ASSEMBLY (1L & 1R REQ'D)

8267

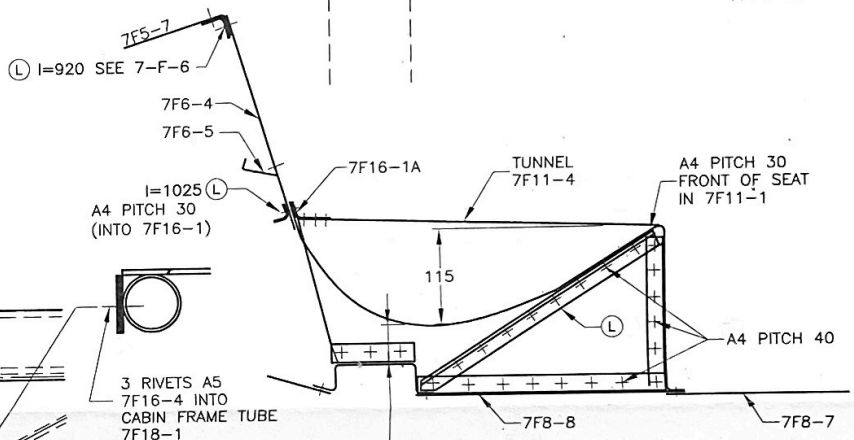
| STOL CH 701 | JOINING THE FUSELAGE SECTIONS PANEL LOCATION / DOOR LATCH | 7-F-15 |
|---|---|---|
| | COPYRIGHT © 2002 CHRIS HEINTZ WWW.ZENITHAIR.COM | DATE: 04/2006 |

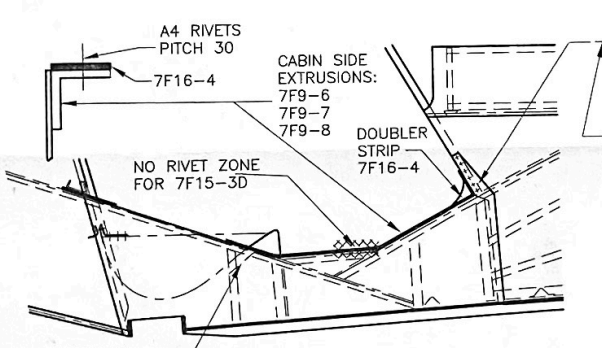



1 ◊0 SEAT
t=.025" 6061-T6 (2 REQ'D)

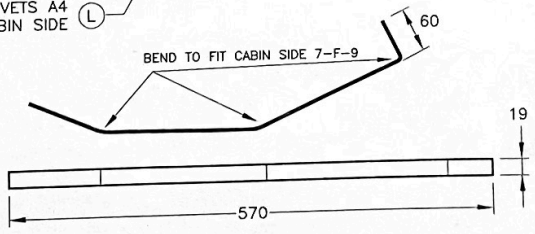



1A ◊0 TUNNEL GUSSET
t=.032" 6061-T6 (1 REQ'D)
(USE OFF CUT FROM 7F11-1)

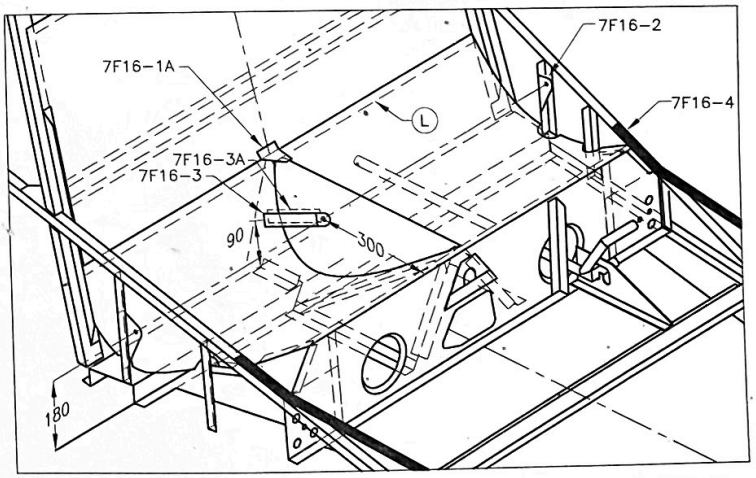


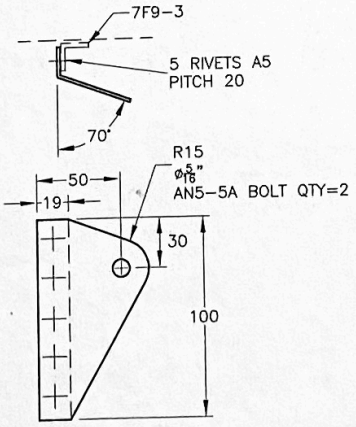

CHECK: THERE IS NO INTERFERENCE BETWEEN SEAT & FLAPERON CONTROL LEVEL 7C3-2SP WHEN LEVEL IS RAISED TO LOWER FLAPS

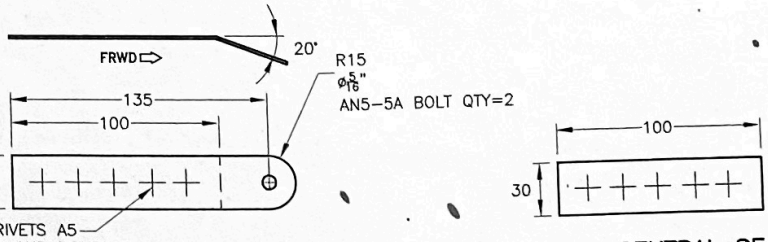



4 ◊0 DOUBLER STRIP
t=.040" 6061-T6 (2 REQ'D)




LATERAL BELT ATTACHMENT 7F16-2, POSITIONED ON BACK SIDE OF 7F9-3, BOLT AT 180MM TO FLOOR SKIN.
CENTRAL SEAT BELT ATTACHMENT 7F16-3, KEEP BOLT AT SAME HEIGHT AS 7F16-2.
POSITION CENTRAL SEAT BELT DOUBLER 7F16-3A UNDER TUNNEL 7F11-4 USE SAME 5 RIVETS A5 AS CENTRAL SEAT BELT ATTACHMENT 7F16-3.



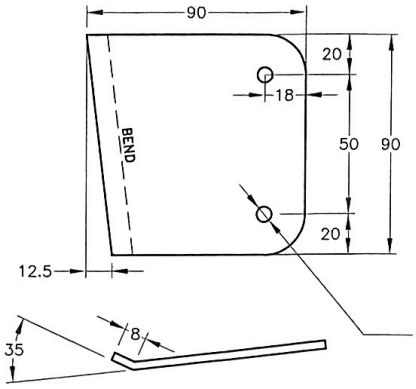



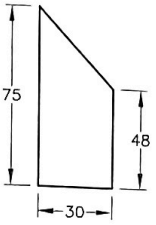

2 ◊0 LATERAL BELT ATTACHMENT
t=.063" 6061-T6 (1L & 1R REQ'D)

3 ◊0 CENTRAL SEAT BELT ATTACHMENT
t=.063" 6061-T6 (2 REQ'D)

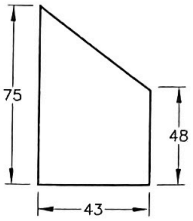
3A ◊1 CENTRAL SEAT BELT DOUBLER
t=.040" 6061-T6 (2 REQ'D)

| | | |
|---|---|---|
| STOL CH 701 | SEAT BOTTOM CABIN SIDE DOUBLER STRIP | 7-F-16 |
| | COPYRIGHT © 2002 CHRIS HEINTZ WWW.ZENITHAIR.COM | DATE: 09/2006 |

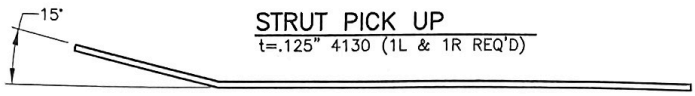


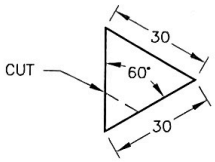

REAR PLATE
t=.080" 4130 (2 REQ'D)



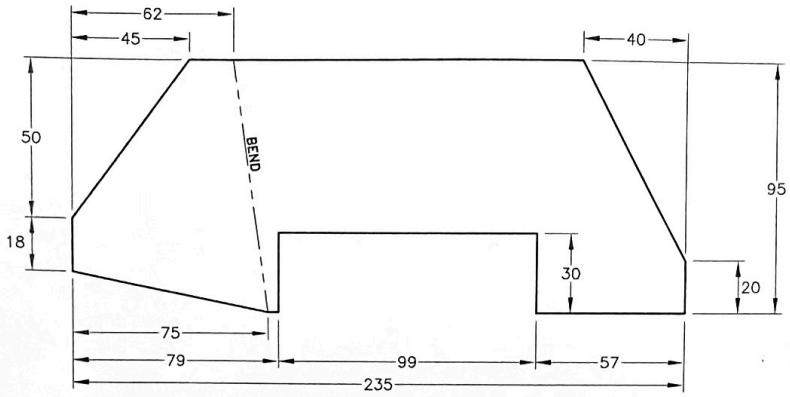

FRONT PLATE
t=.080" 4130 (2 REQ'D)



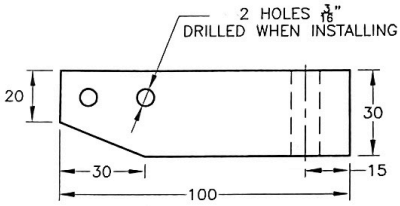

STRUT PICK UP
t=.125" 4130 (1L & 1R REQ'D)



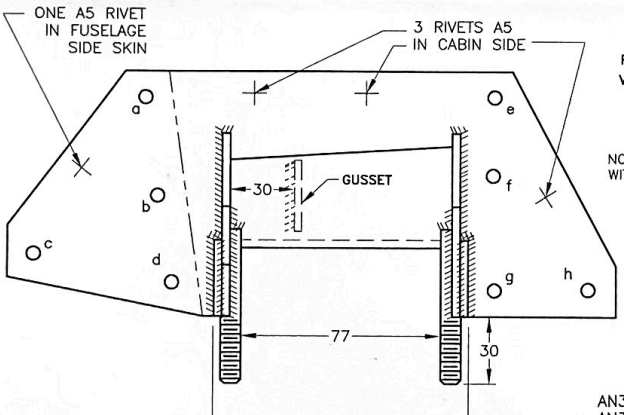

GUSSET
t=.080" 4130 (2 REQ'D)




SIDE PLATE
t=.080" 4130 (1L & 1R REQ'D)

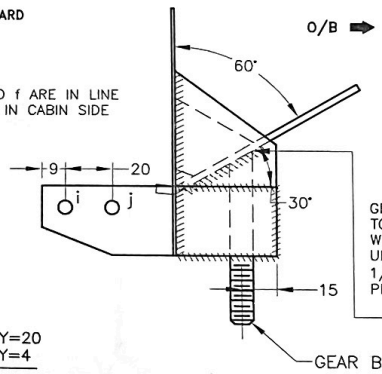



CHANNEL PICK UP
t=.080" 4130 (4 REQ'D)



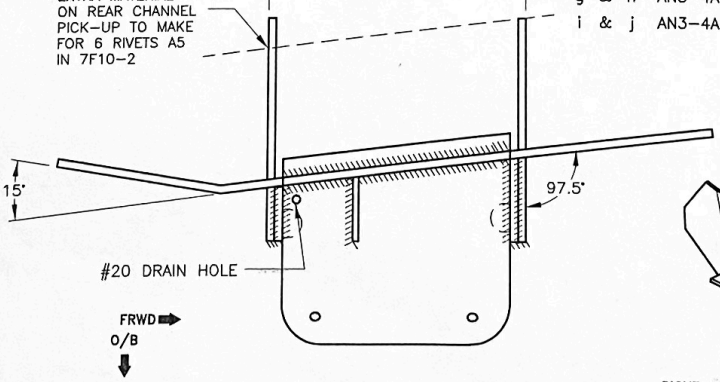

FRWD ➡
VIEW FROM OUTBOARD

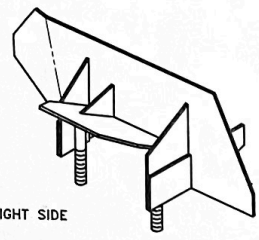
NOTE: BOLTS e AND f ARE IN LINE
WITH SOLID RIVETS IN CABIN SIDE

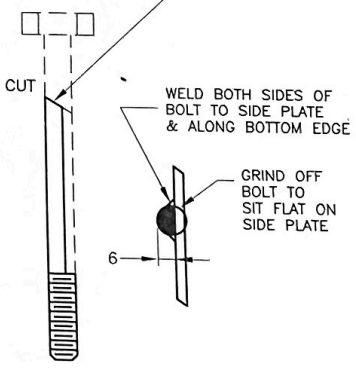



AN3-4A BOLTS QTY=20
AN3-5A BOLTS QTY=4

a & b AN3-4A: 7F17-1 + 7F9-1 + 7F2-2 + 7F11-5
c & d AN3-4A: 7F17-1 + 7F3-1 + 7F2-2 + 7F3-2
e & f AN3-5A: 7F17-1 + 7F9-1 + 7F9-3 (2 WASHERS)
g & h AN3-4A: 7F17-1 + 7F9-1 + 7F9-9SP
i & j AN3-4A: 7F17-1 + 7F10-2 + 7F10-1



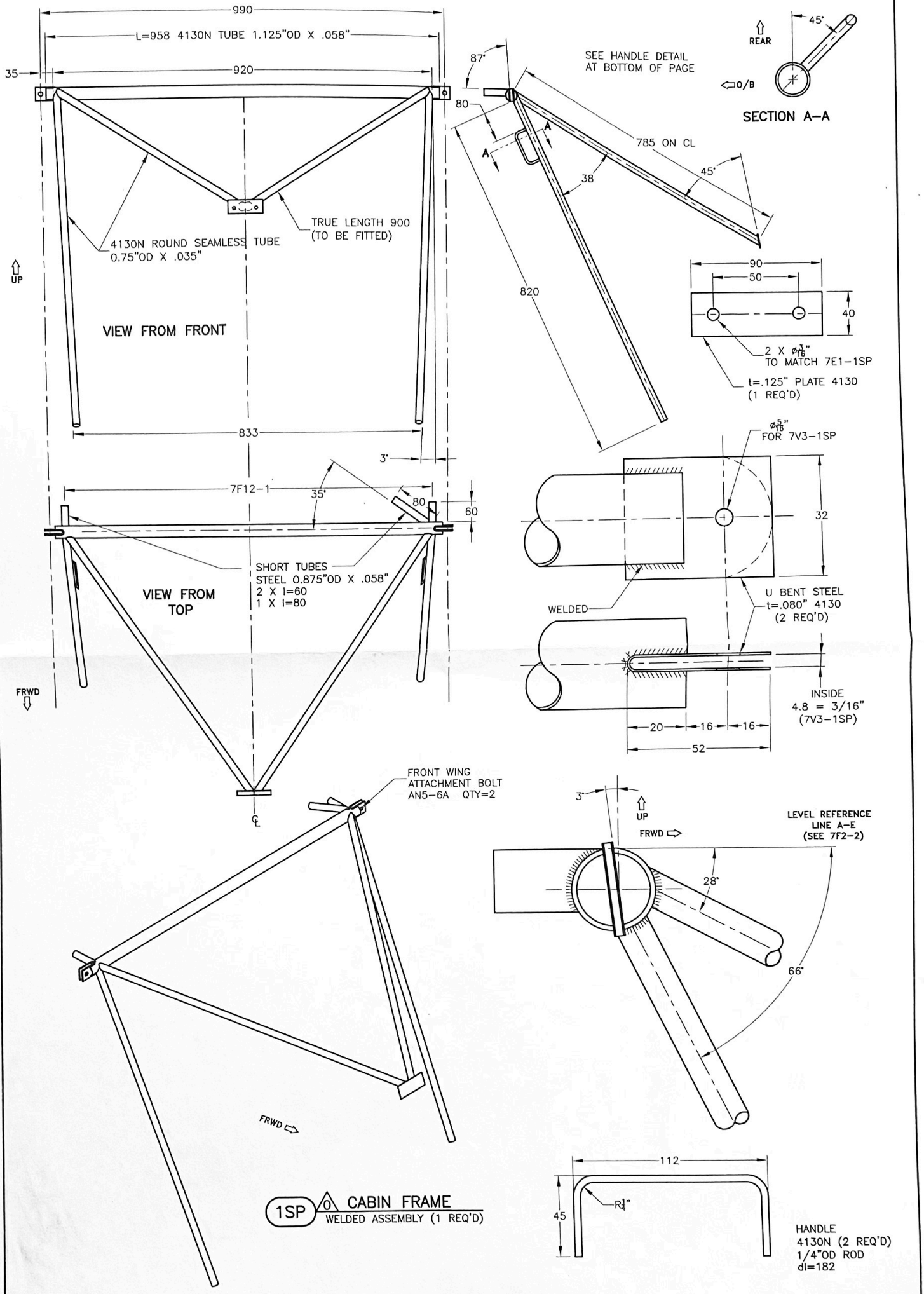

1SP 2 GEAR/STRUT FITTINGS
WELDED ASSEMBLY (1L & 1R REQ'D)

GEAR BOLT
3/8" X 16 GRADE 5 BOLT

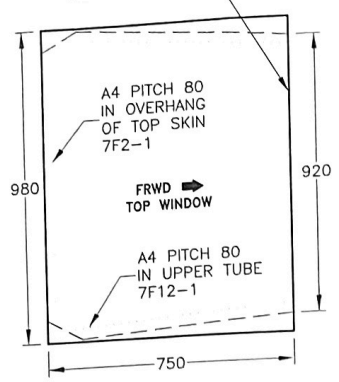
8267

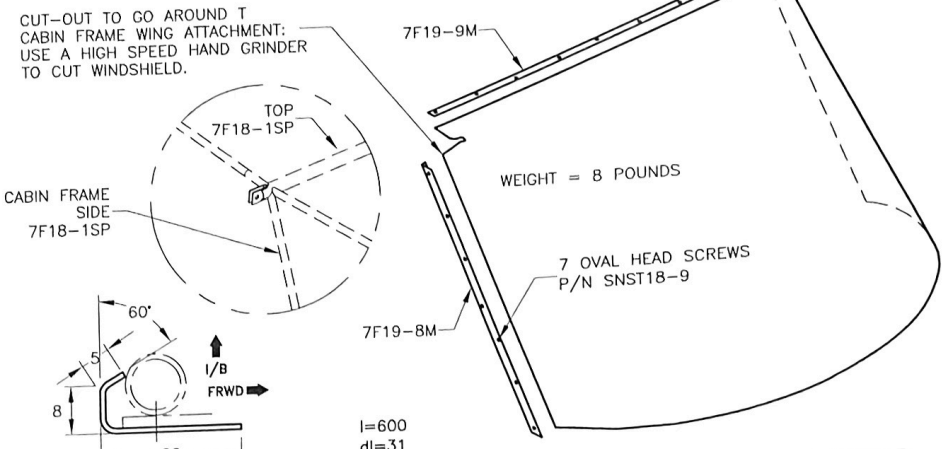
STOL CH 701 | LANDING GEAR / WING STRUT FITTINGS | 7-F-17

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| STOL CH 701 | CABIN FRAME | 7–F–18 |
|---|---|---|
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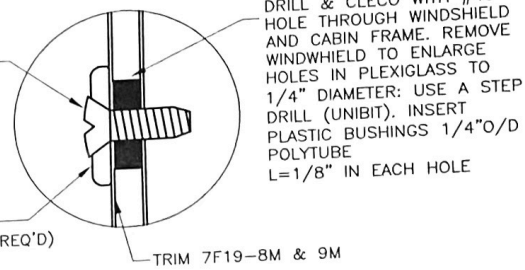

## 1 ⓪ TOP WINDOW
POLYCARBONATE (1 REQ'D)
OR TINTED LEXAN

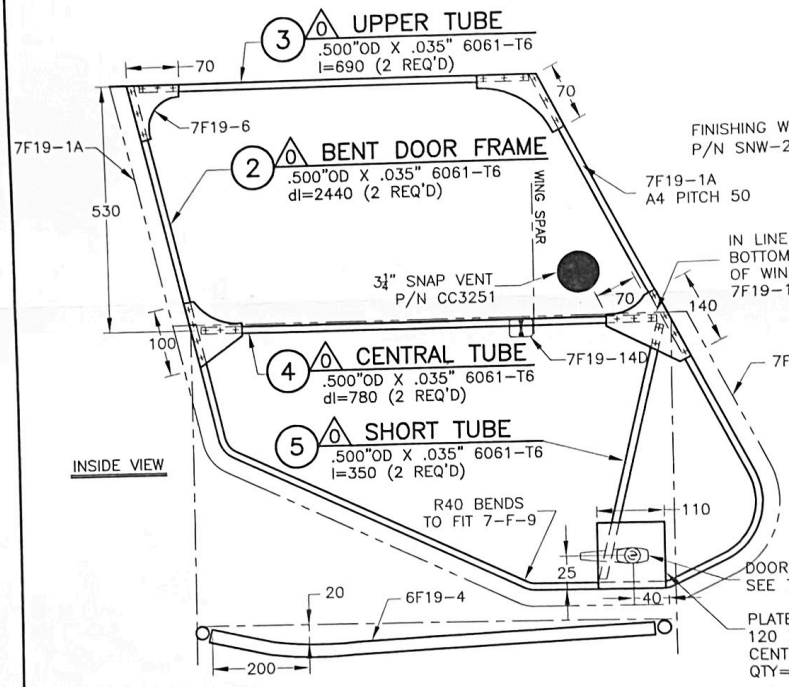
## 1A ⓪ DOOR WINDOW
t=.040" POLYCARBONATE (1 REQ'D)
CLEAR 1220 X 1220

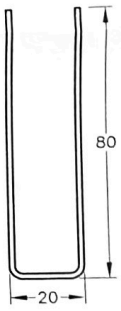
## 8M ⓪ SIDE WINDSHIELD TRIM
t=.025" 6061-T6 (2 REQ'D)

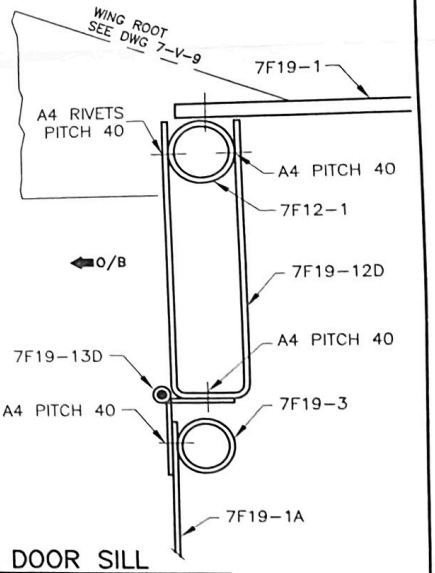
## 9M ⓪ TOP WINDSHIELD TRIM
t=.025" 6061-T6 (1 REQ'D)
20 X 920 FLAT STRIP

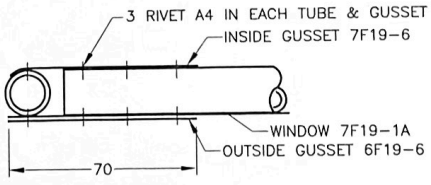
## 11M ⓪ FORMED WINDSHIELD
CLEAR PLEXIGLASS (1 REQ'D)
SCREWED ALONG TOP & SIDES
TO CABIN FRAME (SEAL GAP
ALONG FRONT EDGE WITH
SKIN 7F14-4 WITH SILICON)



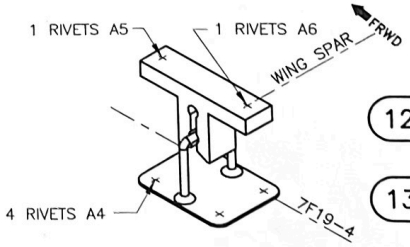



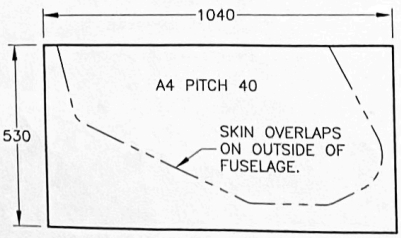



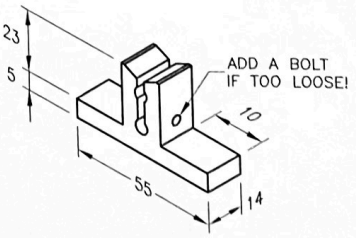

## 6 ⓪ DOOR GUSSETS
t=.025" 6061-T6 (16 REQ'D)

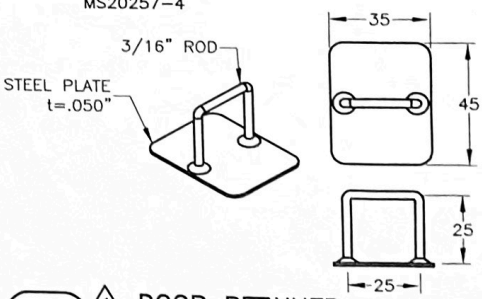



## 12D 1 DOOR SILL
t=.025" 6061-T6 (2 REQ'D)
l=800 dl=180

## 13D ⓪ DOOR PIANO HINGE
l=750 (2 REQ'D)
MS20257-4




## 7D ⓪ DOOR SIDE
t=.016" 6061-T6 (2 REQ'D)

## 10D ⓪ DOOR CLASP
PLASTIC (2 REQ'D)

## 14D 1 DOOR RETAINER
WELDED ASSEMBLY (2 REQ'D)

| | | |
|---|---|---|
| STOL CH 701 | FORMED WINDSHIELD HINGED UP DOORS | 7-F-19 |
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