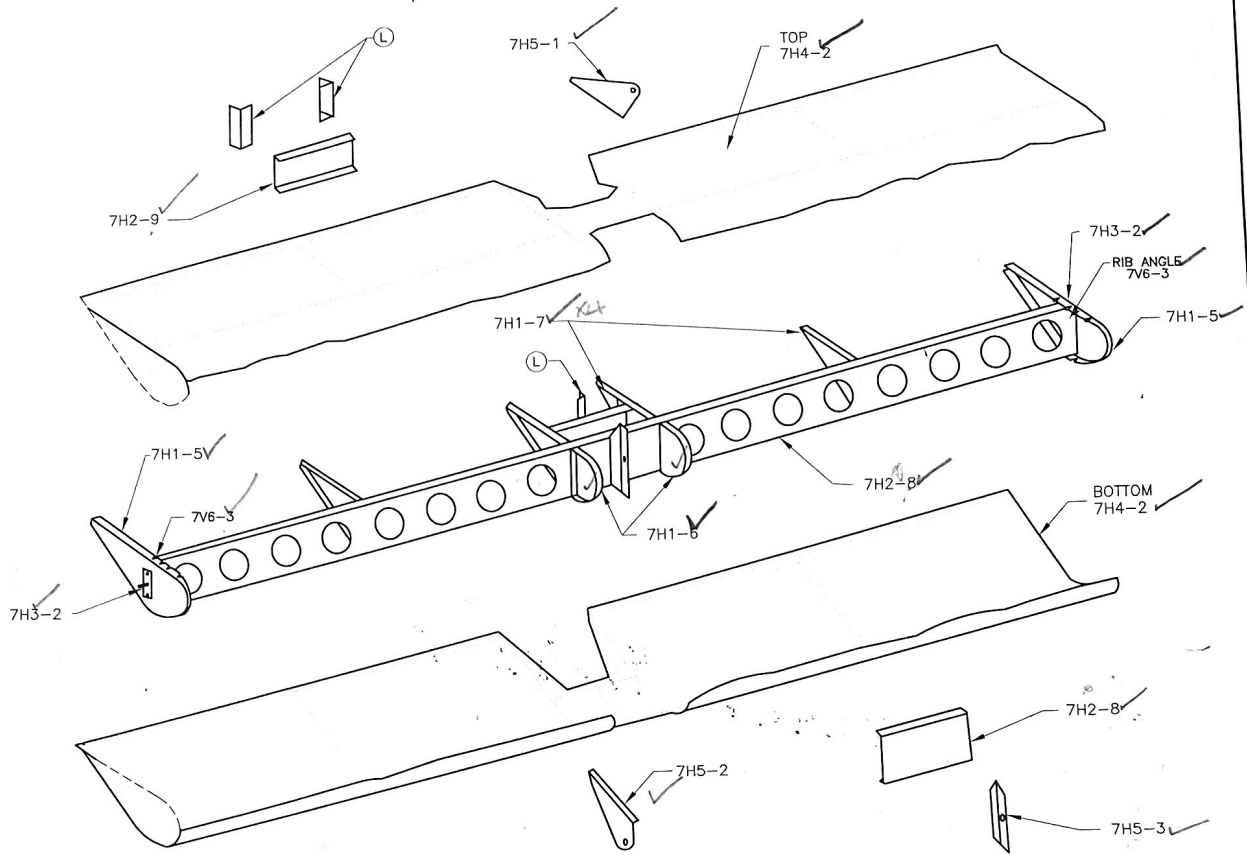
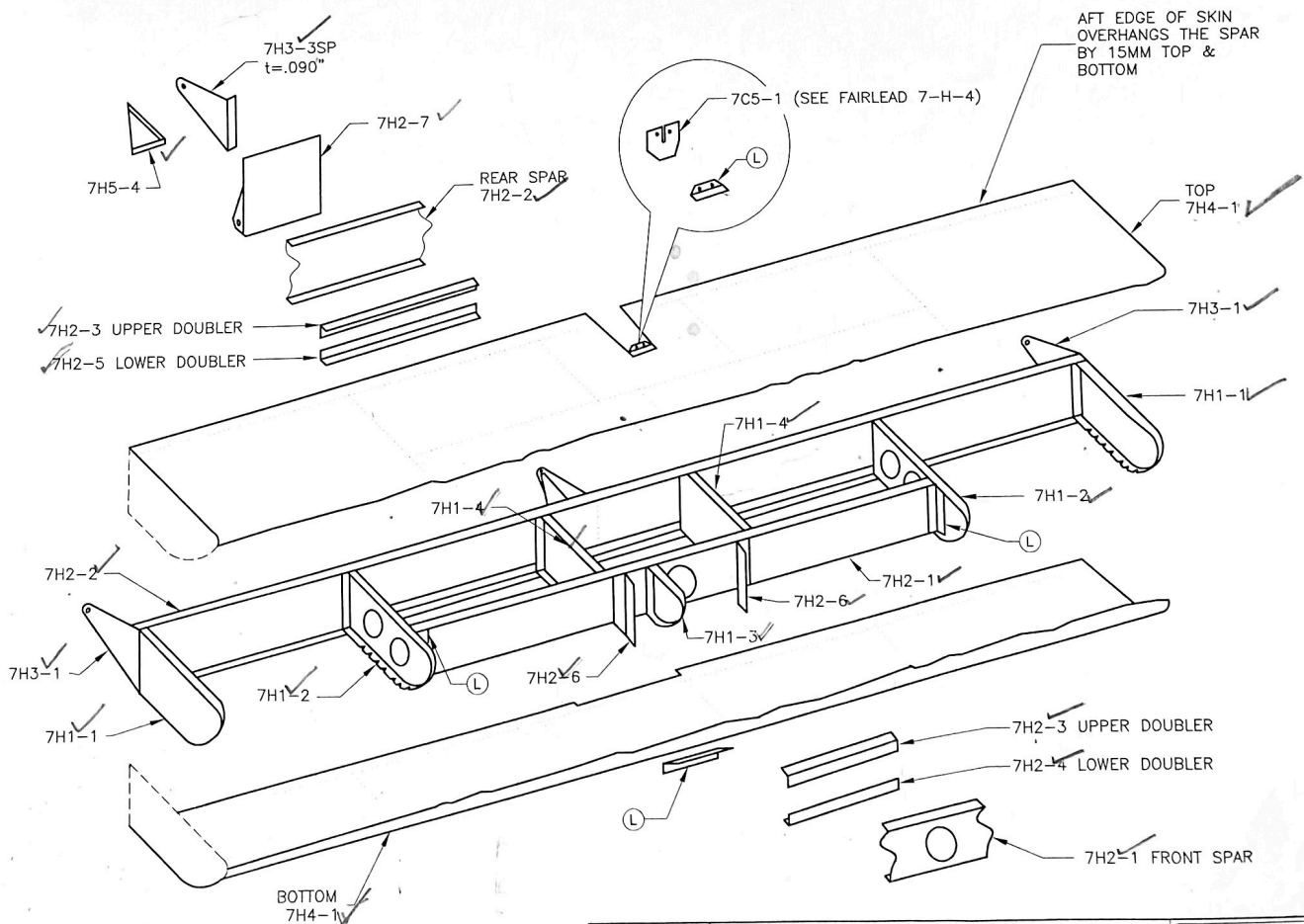




ELEVATOR

STABILIZER



STOL
CH 701

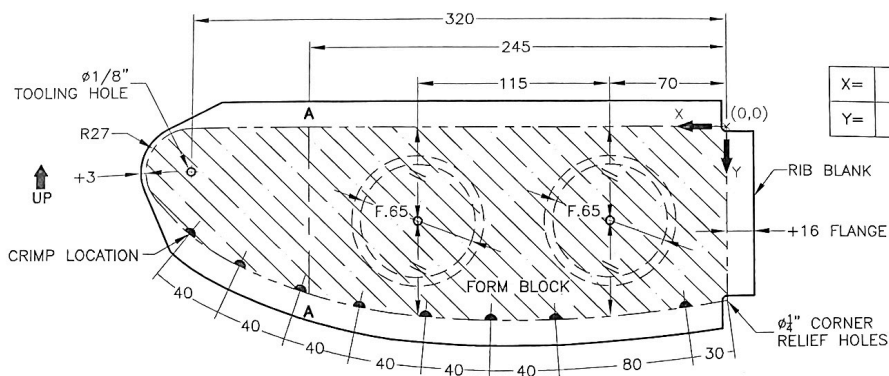
HORIZONTAL TAIL: EXPLODED VIEW

COPYRIGHT © 2002 CHRIS HEINTZ

WWW.ZENITHAIR.COM

7-H-0

DATE: 11/2004

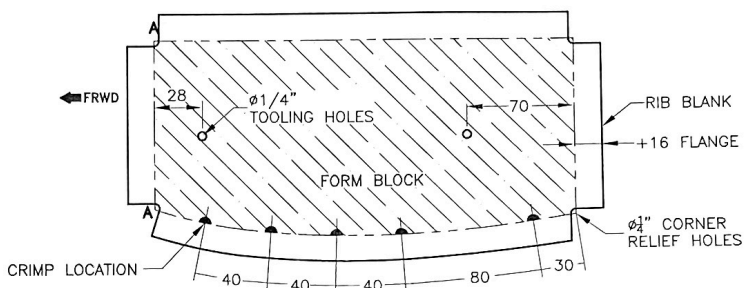
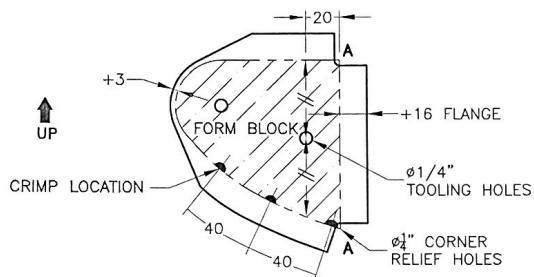


STABILIZER RIB FORM BLOCK

X=	0	50	100	150	200	250	300	325
Y=	106	112	116	117	112	100	78	60.7

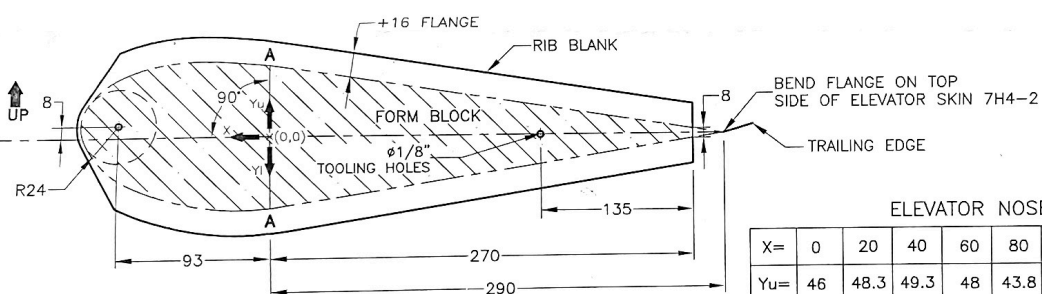
1 STABILIZER TIP RIBS
t=.025" 6061-T6 (1L & 1R REQ'D)
NO LIGHTENING HOLES

2 STABILIZER FULL RIBS
t=.025" 6061-T6 (1L & 1R REQ'D)



3 STABILIZER NOSE RIB
t=.016" OR .025" 6061-T6 (1 REQ'D)

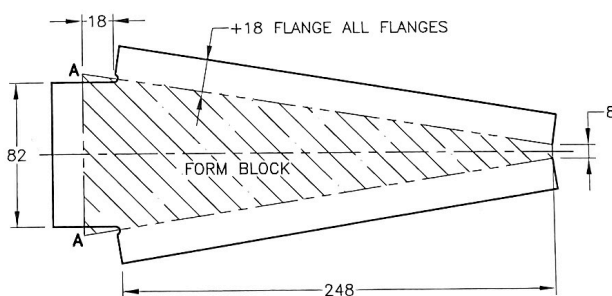
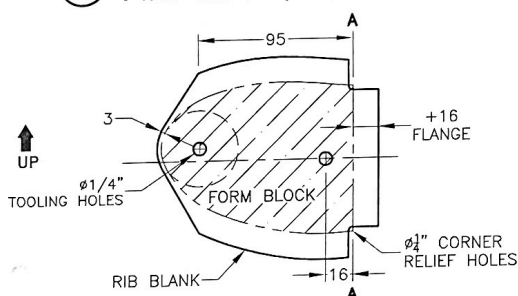
4 STABILIZER REAR RIBS
t=.016" 6061-T6 (1L & 1R REQ'D)



ELEVATOR NOSE RIB FORM BLOCK

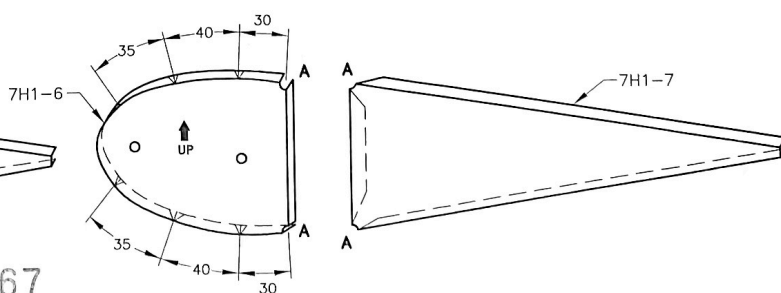
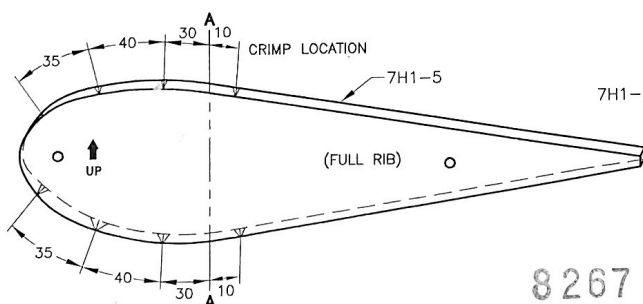
X=	0	20	40	60	80	93	100	105	110	113	115.6
Yu=	46	48.3	49.3	48	43.8	38.5	34.2	30.4	25.4	21.3	16.1
Yl=	46	47	45.5	41.5	34.5	27	21.7	17	11	6	0

5 ELEVATOR TIP RIBS
t=.016" 6061-T6 (1L & 1R REQ'D)



6 ELEVATOR NOSE RIBS
t=.016" 6061-T6 (1L & 1R REQ'D)

7 ELEVATOR REAR RIBS
t=.016" 6061-T6 (4 REQ'D)



NOTE: CONNECT NOSE RIB TO REAR RIB ALONG LINE A-A TO MAKE UP THE FULL RIBS.

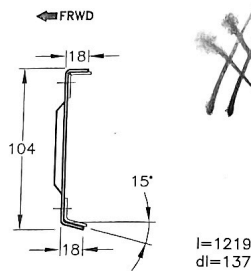
STOL
CH 701

HORIZONTAL TAIL RIBS

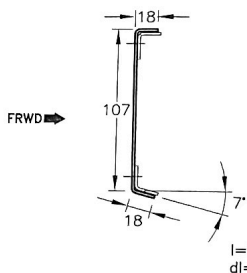
COPYRIGHT © 2002 CHRIS HEINTZ WWW.ZENITHAIR.COM

7-H-1

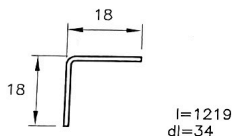
DATE: 09/2007



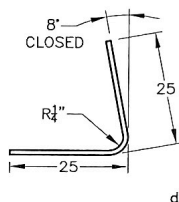
1 **STABILIZER FRONT SPAR**
t=.016" 6061-T6 (1 REQ'D)



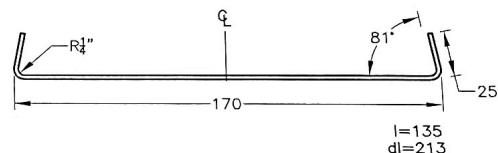
2 **STABILIZER REAR SPAR**
t=.025" 6061-T6 (1 REQ'D)



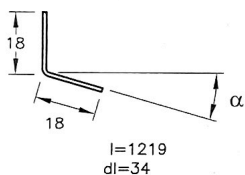
3 **STABILIZER FRONT & REAR SPAR UPPER DOUBLERS**
t=.032" 6061-T6 (2 REQ'D)



6 **STABILIZER FRONT BRACKETS**
t=.063" 6061-T6 (2 REQ'D)

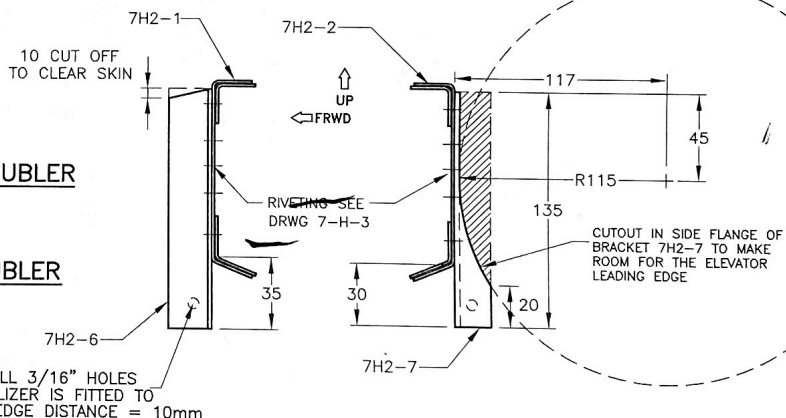


7 **STABILIZER REAR BRACKET**
t=.063" 6061-T6 (1 REQ'D)

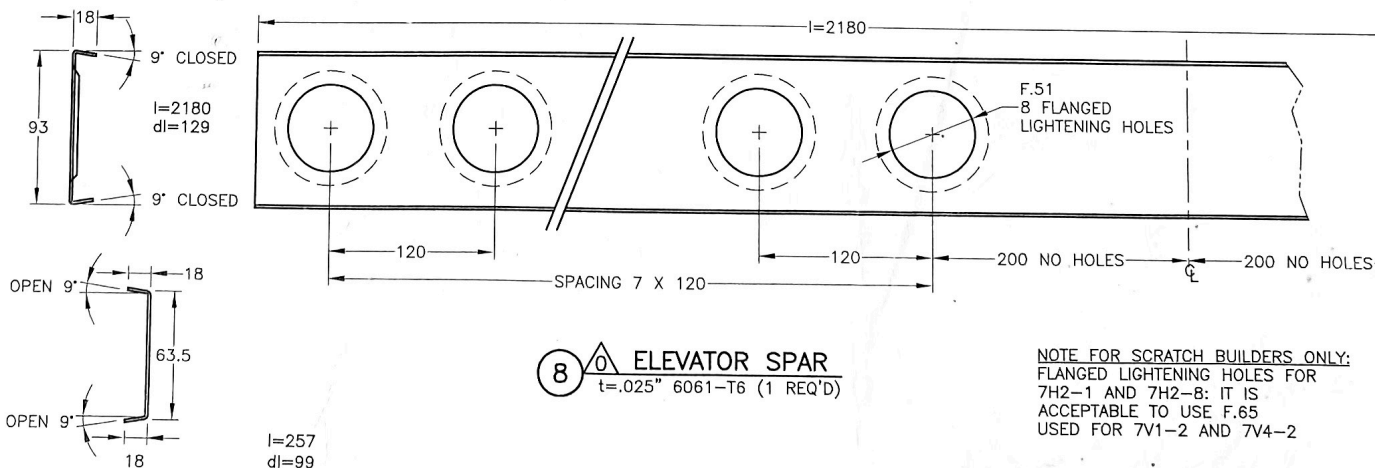


4 **STABILIZER FRONT SPAR LOWER DOUBLER**
t=.032" 6061-T6 (1 REQ'D)
alpha = 15°

5 **STABILIZER REAR SPAR LOWER DOUBLER**
t=.032" 6061-T6 (1 REQ'D)
alpha = 7°



WAIT TO DRILL 3/16" HOLES UNTIL STABILIZER IS FITTED TO FUSEALGE: EDGE DISTANCE = 10mm



8 **ELEVATOR SPAR**
t=.025" 6061-T6 (1 REQ'D)

NOTE FOR SCRATCH BUILDERS ONLY:
FLANGED LIGHTENING HOLES FOR 7H2-1 AND 7H2-8: IT IS ACCEPTABLE TO USE F.65 USED FOR 7V1-2 AND 7V4-2

9 **ELEVATOR CHANNEL**
t=.025" 6061-T6 (1 REQ'D)

STOL
CH 701

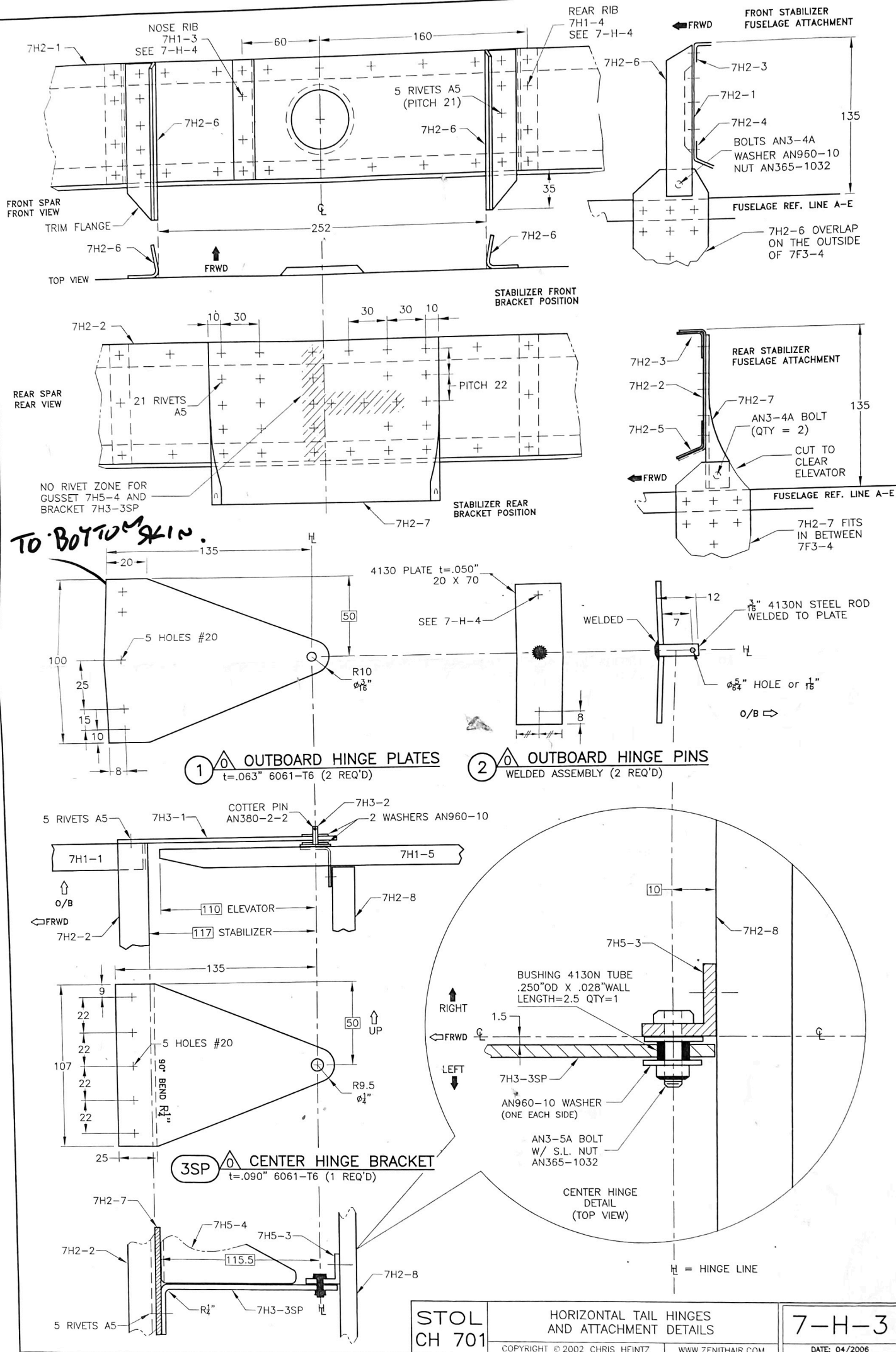
HORIZONTAL TAIL BENT PARTS

COPYRIGHT © 2002 CHRIS HEINTZ

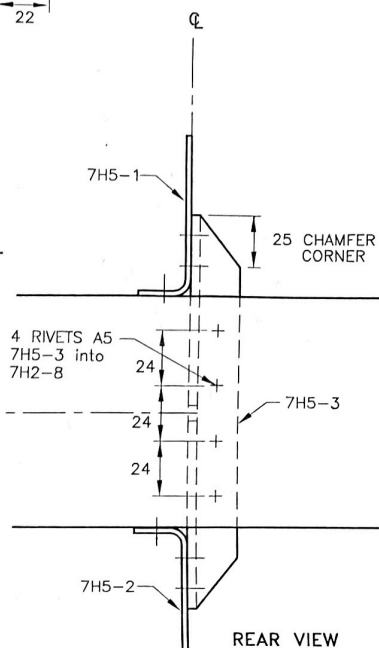
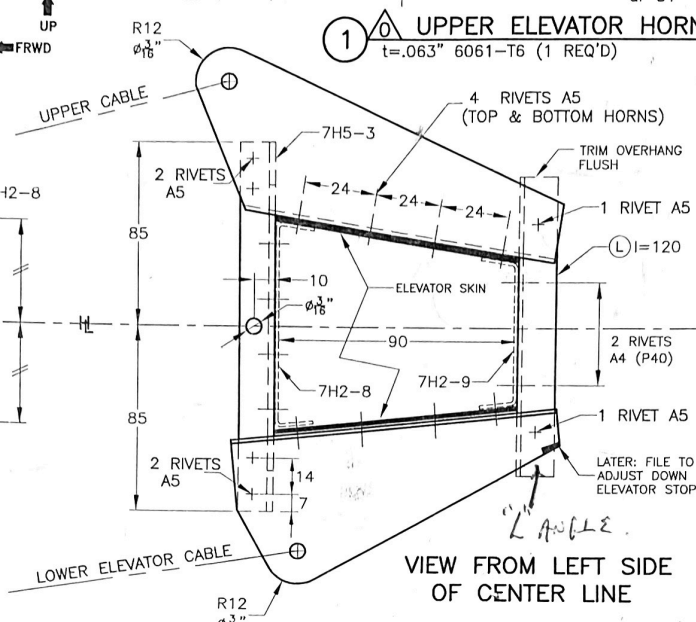
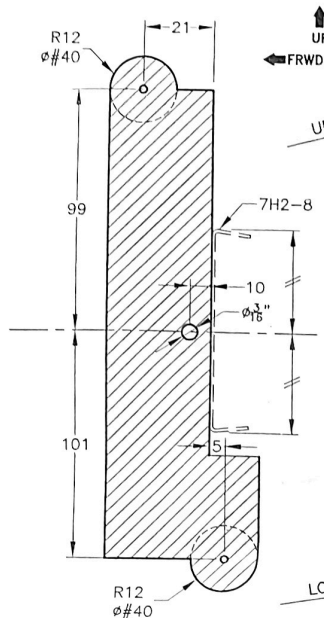
WWW.ZENITHAIR.COM

7-H-2

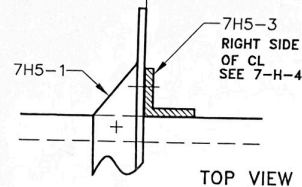
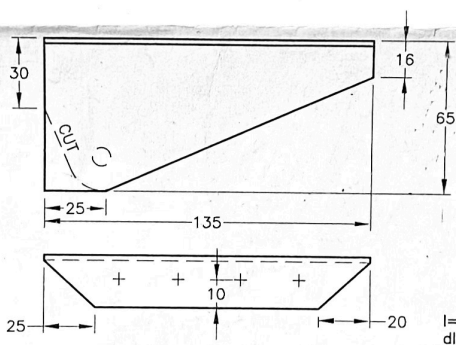
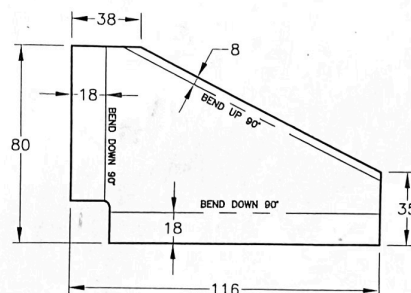
DATE: 04/2006



DATE: 04/2005



CLECO HORN ANGLE 7H5-3 TO SPAR 7H2-8
BOLT TEMPLATE TO HORN ANGLE.
POSITION UPPER AND LOWER HORNS FLUSH
WITH RADIUS R12 ON TEMPLATE.
CENTER PUNCH THOUGH #40 PILOT TO MARK
CABLE HOLE ON HORNS 7H5-1 & 7H5-2

[illegible]

3 RIVETS A4

70

15

50

18 SLOT

VIEW FROM FRONT

UP

120

SEE 7-H-4

UPPER ELEVATOR CABLE

FAIRLEAD 7C5-1

STOL CH 30

8267

STOL
CH 701

ELEVATOR HORNS & STABILIZER CENTER
HINGE BRACKET

7-H-5

COPYRIGHT © 2002 CHRIS HEINTZ

WWW.ZENITHAIR.COM

DATE: 04/2006