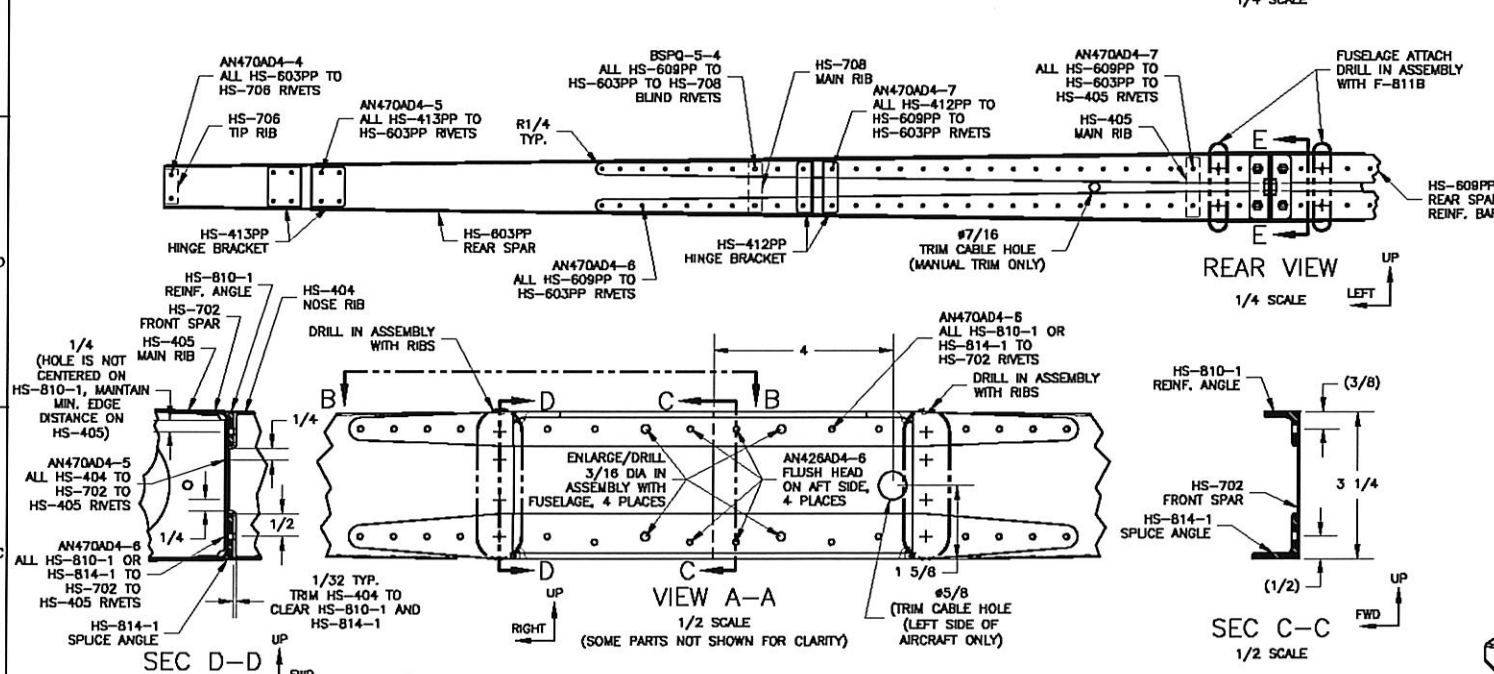
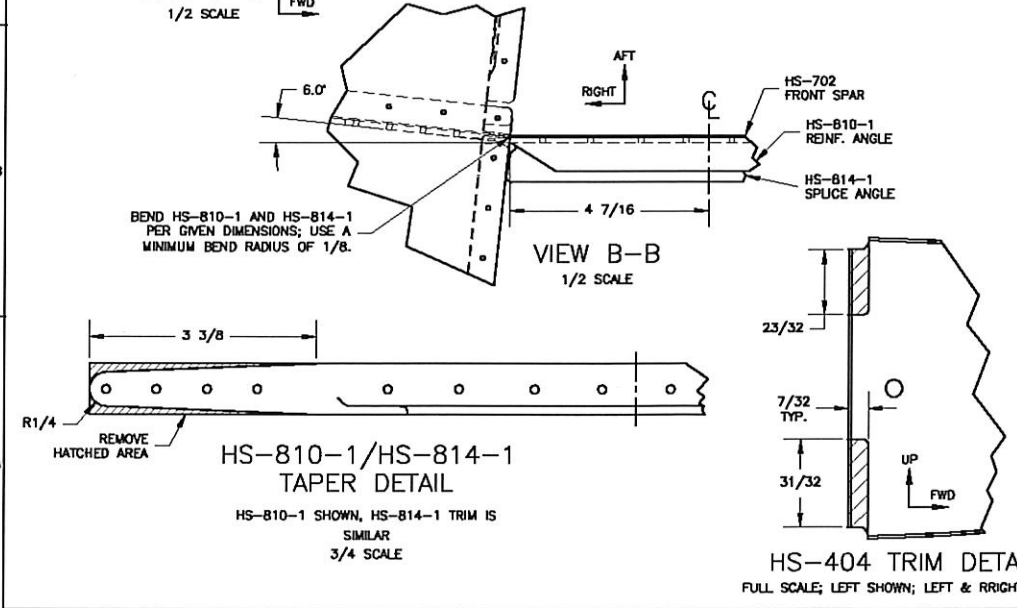


PLAN VIEW  
1/4 SCALE



REAR VIEW  
1/4 SCALE

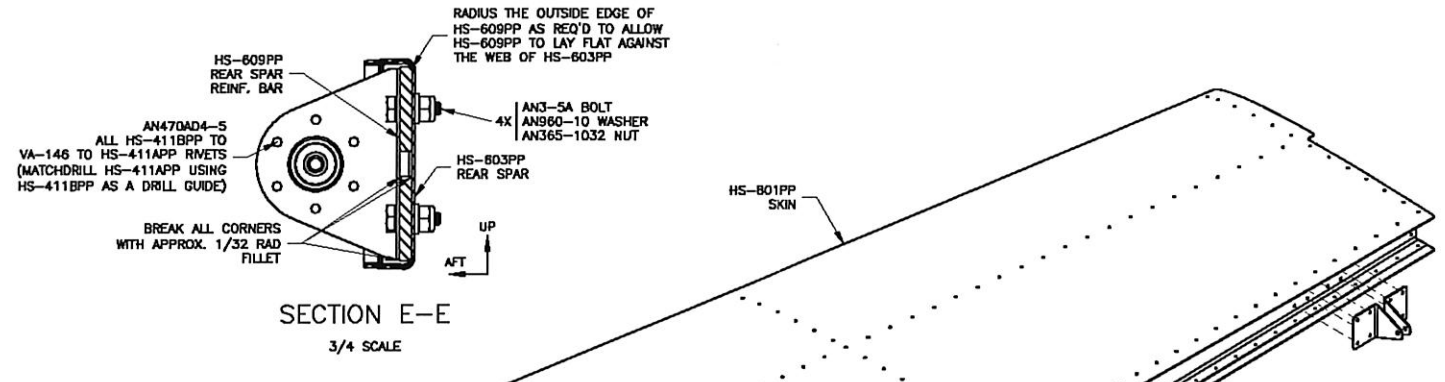


SEC C-C  
1/2 SCALE

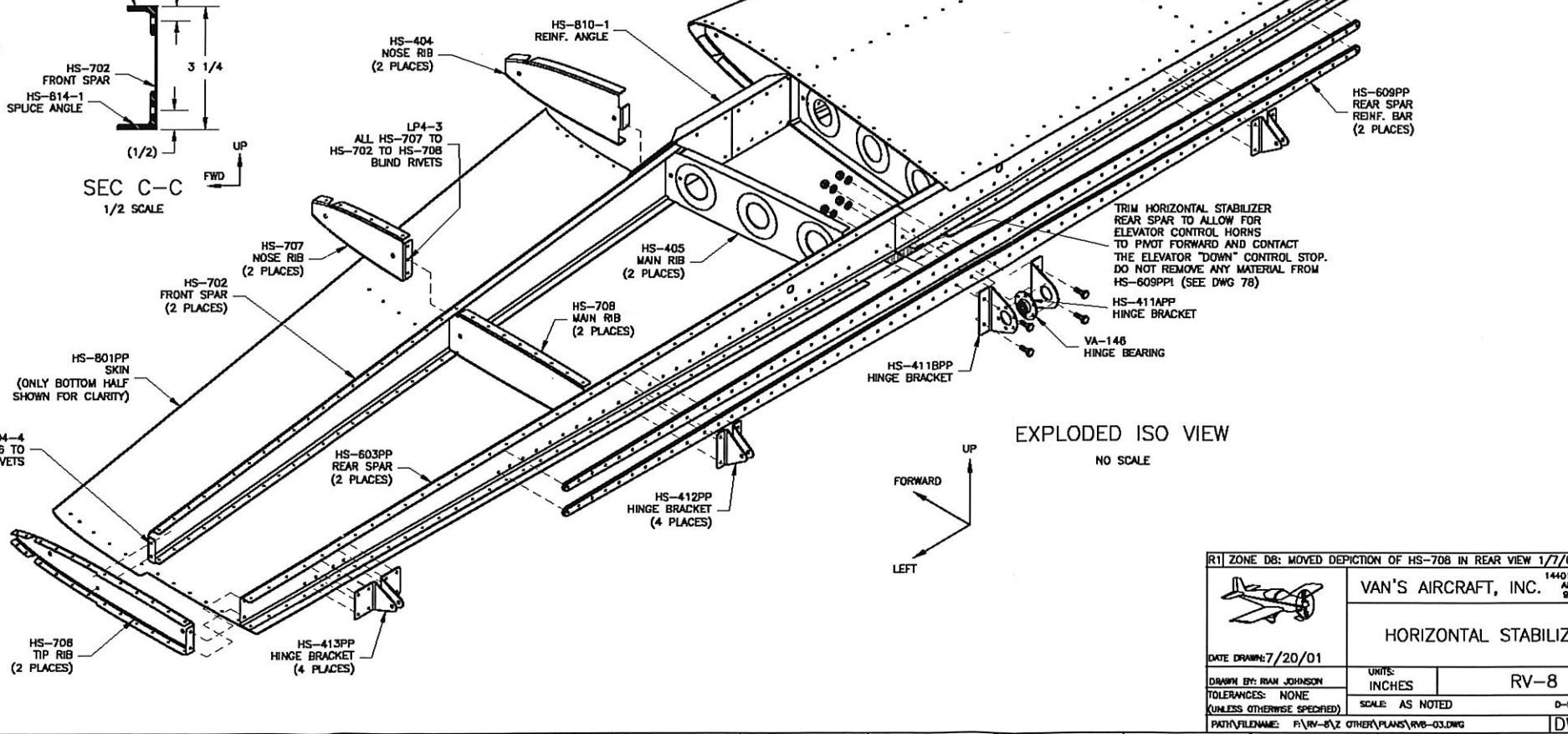
VIEW B-B  
1/2 SCALE

HS-810-1/HS-814-1  
TAPER DETAIL  
1/4 SCALE

HS-404 TRIM DETAIL  
FULL SCALE; LEFT SHOWN; LEFT & RIGHT REQ'D

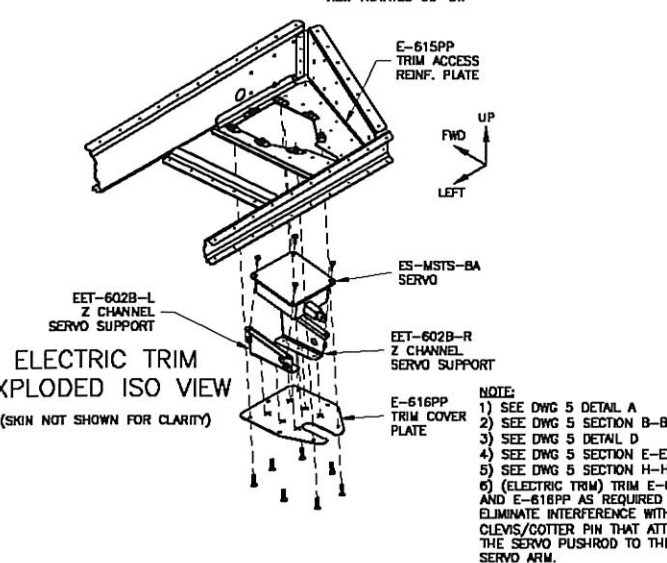
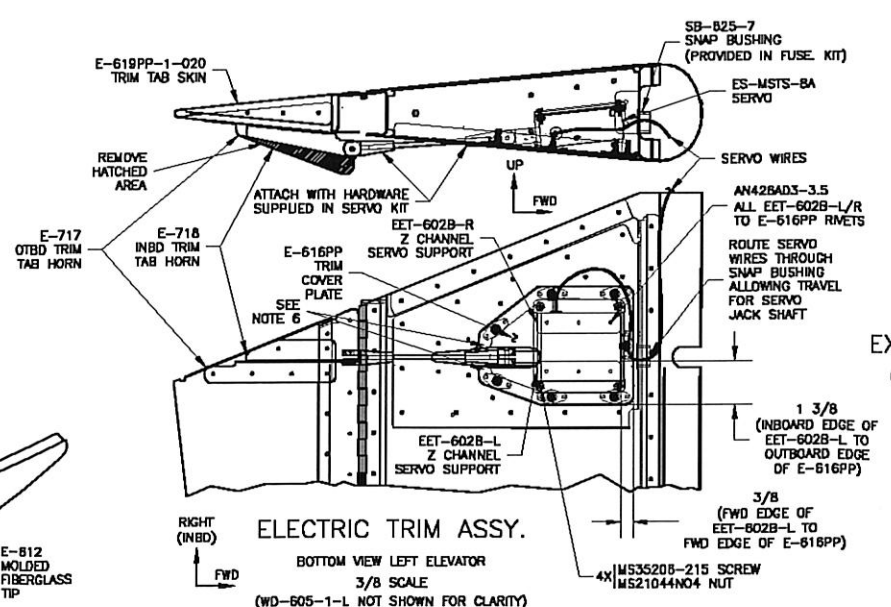
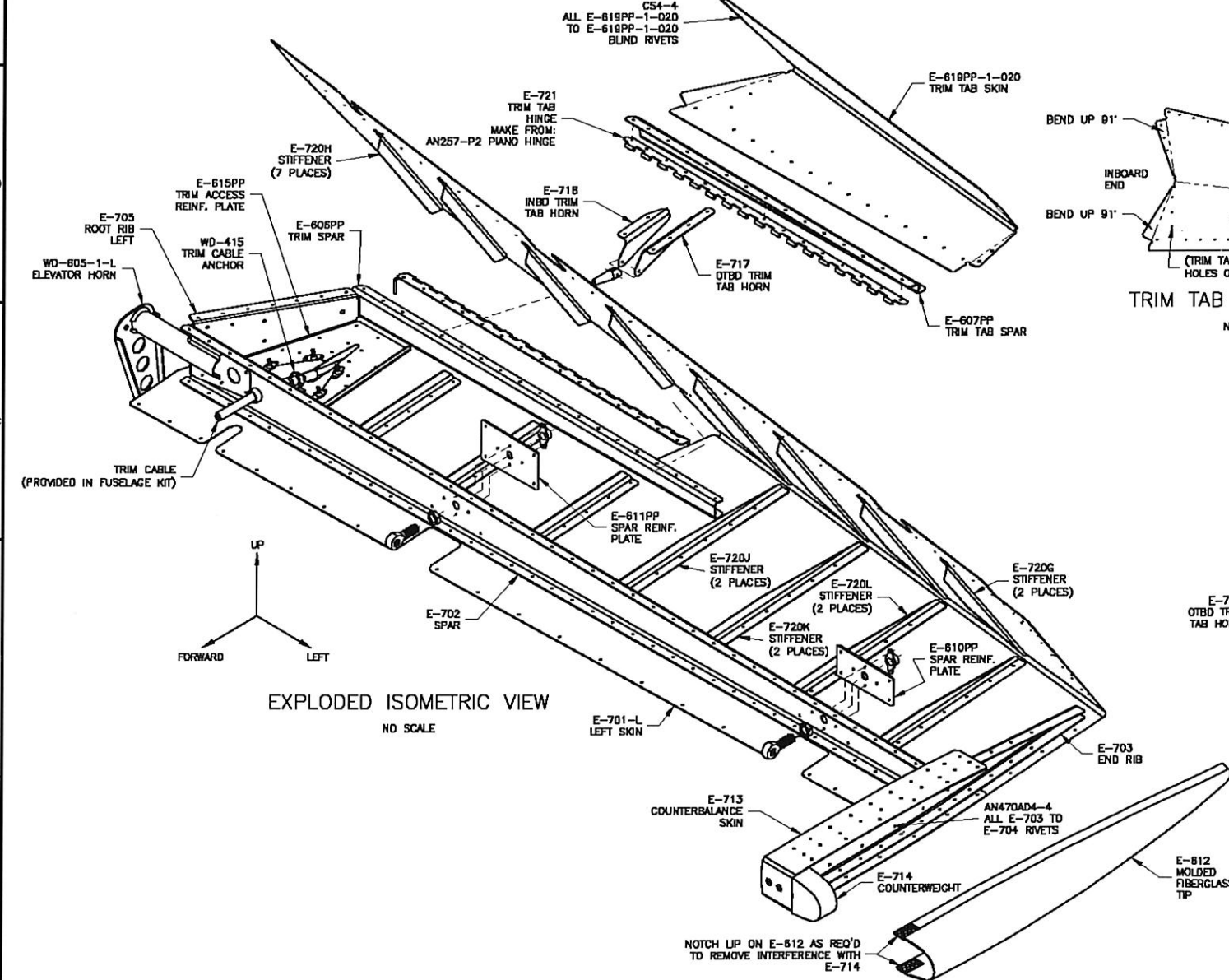
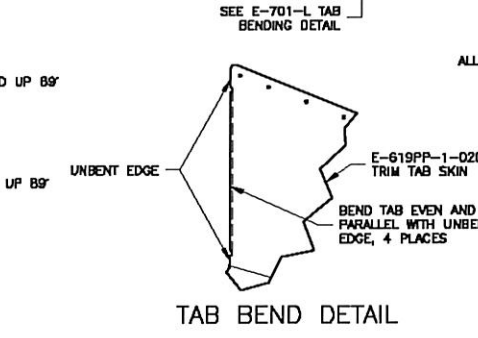
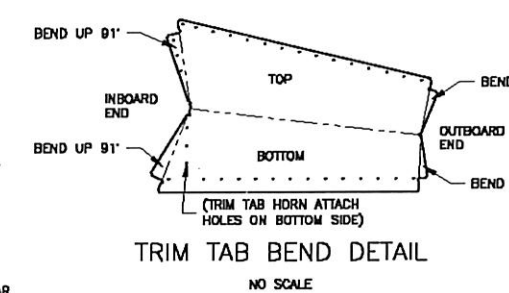
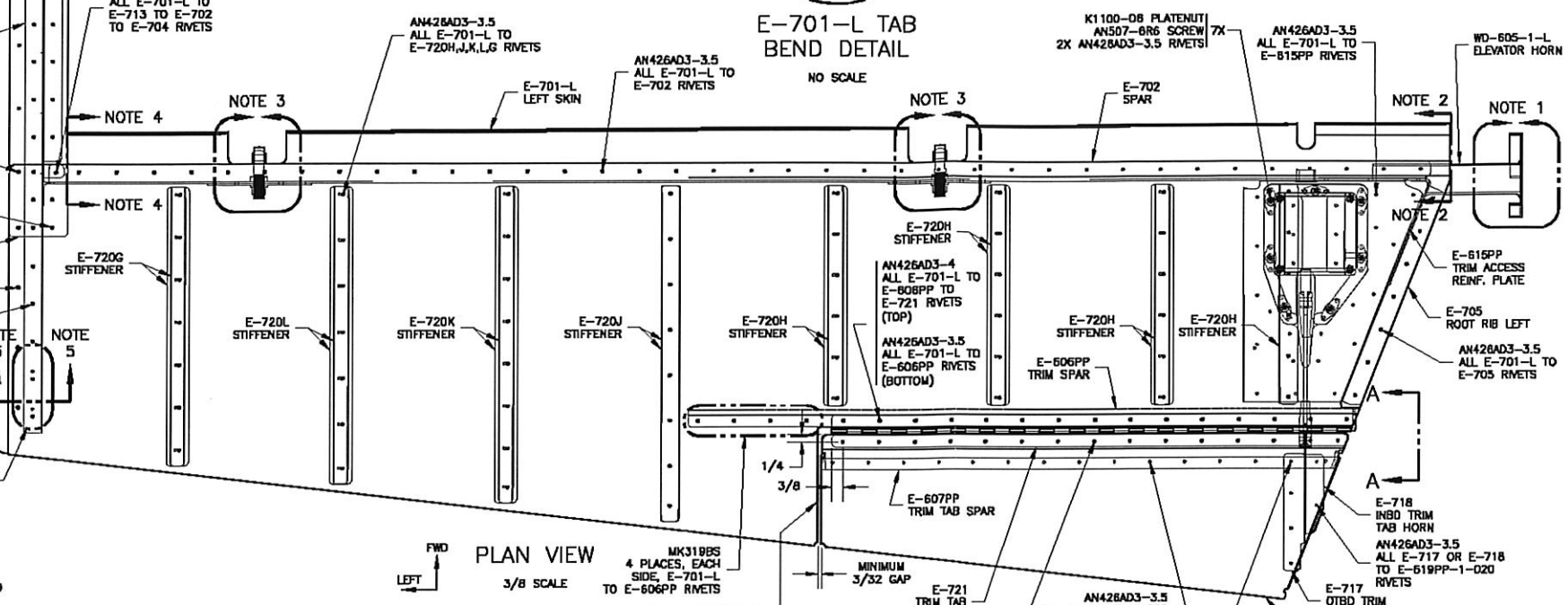
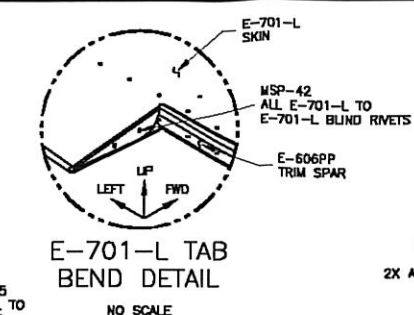
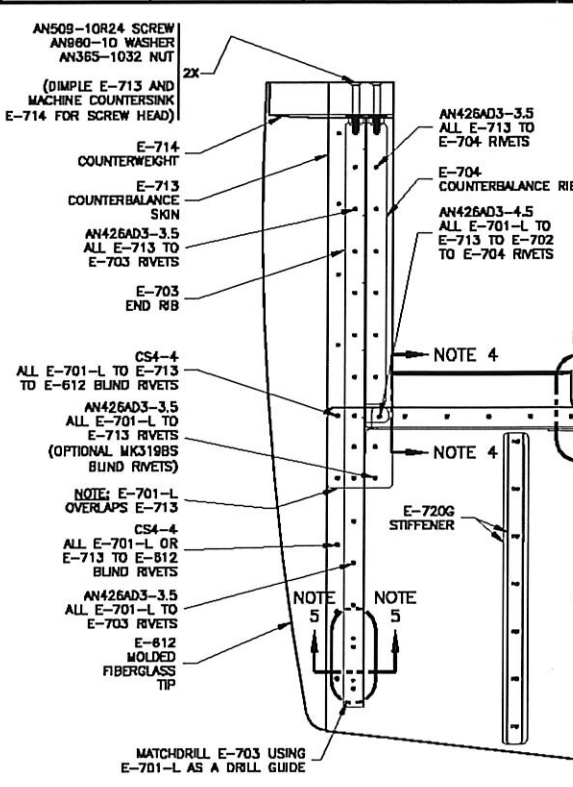
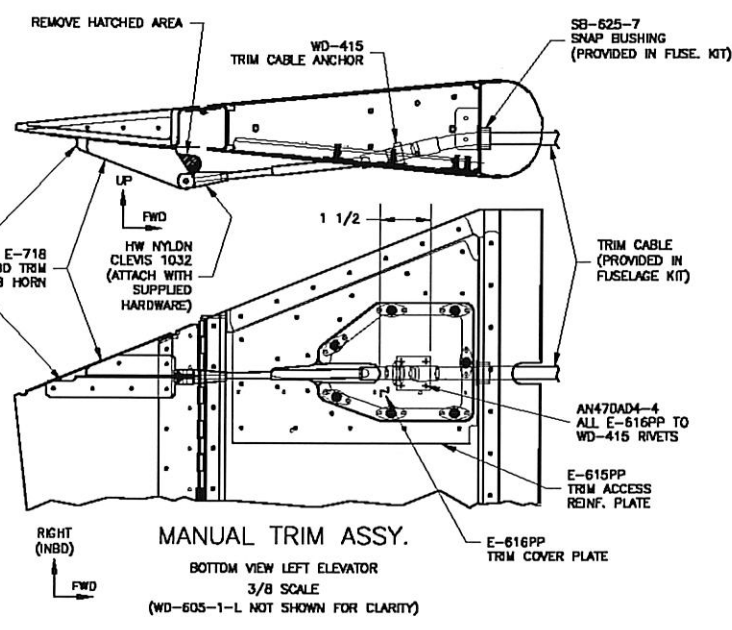
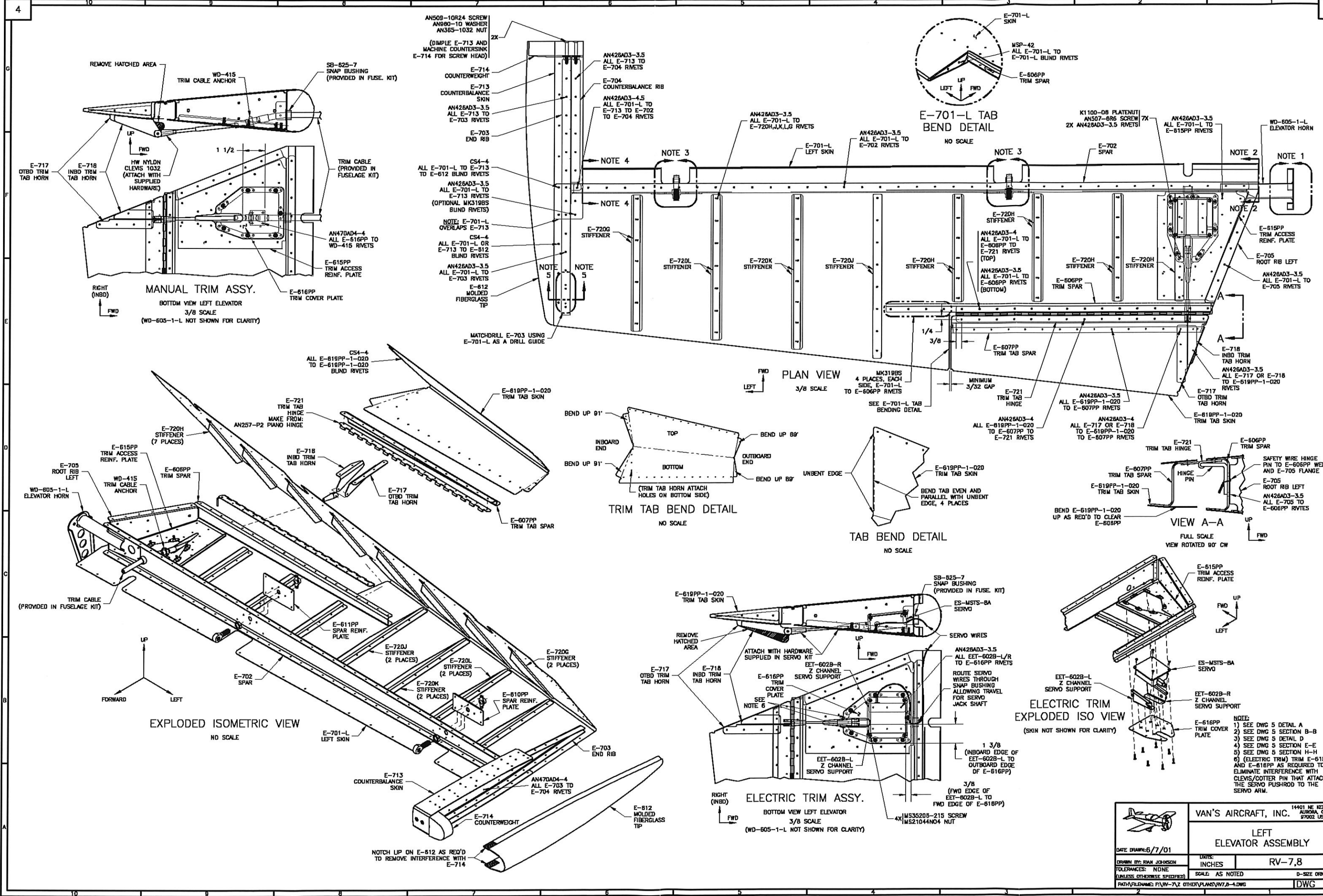


SECTION E-E  
3/4 SCALE



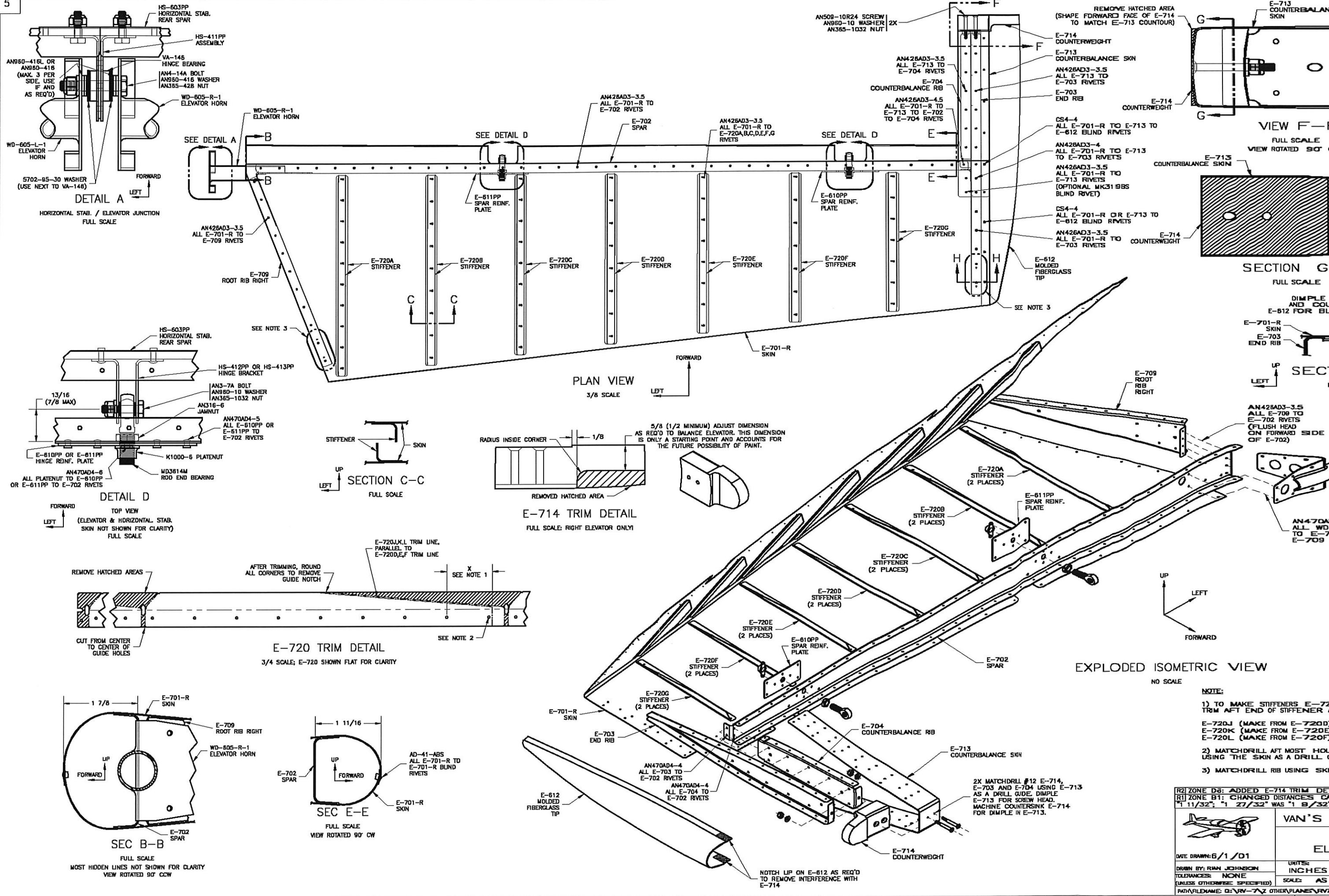
EXPLODED ISO VIEW  
NO SCALE

R11 ZONE DB: MOVED DEPICTION OF HS-708 IN REAR VIEW 1/7/02		VAN'S AIRCRAFT, INC. 14401 NE NE AURORA, 97002, OR	
DATE DRAWING: 7/20/01		HORIZONTAL STABILIZER	
DRAWN BY: RYAN JOHNSON		UNITS: INCHES	RV-8
TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)		SCALE: AS NOTED	D-SIZE OR
PATH/FILENAME: P:\RV-8\2 OTHER PLANS\RV-8-03.DWG			IDWG



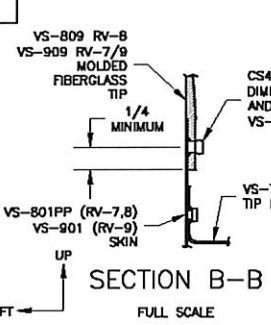
		<b>VAN'S AIRCRAFT, INC.</b> <small>14401 NE KELLY AVE. SUITE 100          BIRDA, OR 97002 USA</small>	
<b>LEFT ELEVATOR ASSEMBLY</b>		<b>RV-7,8</b>	
DATE DRAWN: 6/7/01	DRAWN BY: RYAN JOHNSON	UNITS: INCHES	SCALE: AS NOTED
TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)		D-SIZE ORG	
PATH/FILENAME: F:\RV-7\Z OTHER PLANS\RV7,8-4.DWG		DWG	





- NOTE:**
- 1) TO MAKE STIFFENERS E-720J, E-720K, E-720L TRIM AFT END OF STIFFENER.
  - 2) MATCHDRILL AFT MOST HOLD USING THE SKIN AS A DRILL GUIDE.
  - 3) MATCHDRILL RIB USING SKIN AS DRILL GUIDE.

R2] ZONE D8: ADDED E-714 TRIM DETAIL		VAN'S
R1] ZONE B1: CHANGED DISTANCES OF 1 11/32" & 1 27/32" WAS 1 9/32"		
DATE DRAWN: 6/1/01	UNITS: INCHES	EL
DRAWN BY: RIAN JOHNSON	TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)	
SCALE: AS SHOWN		FILE NAME: 01-VW-7Z OTHER PLANS: VRY



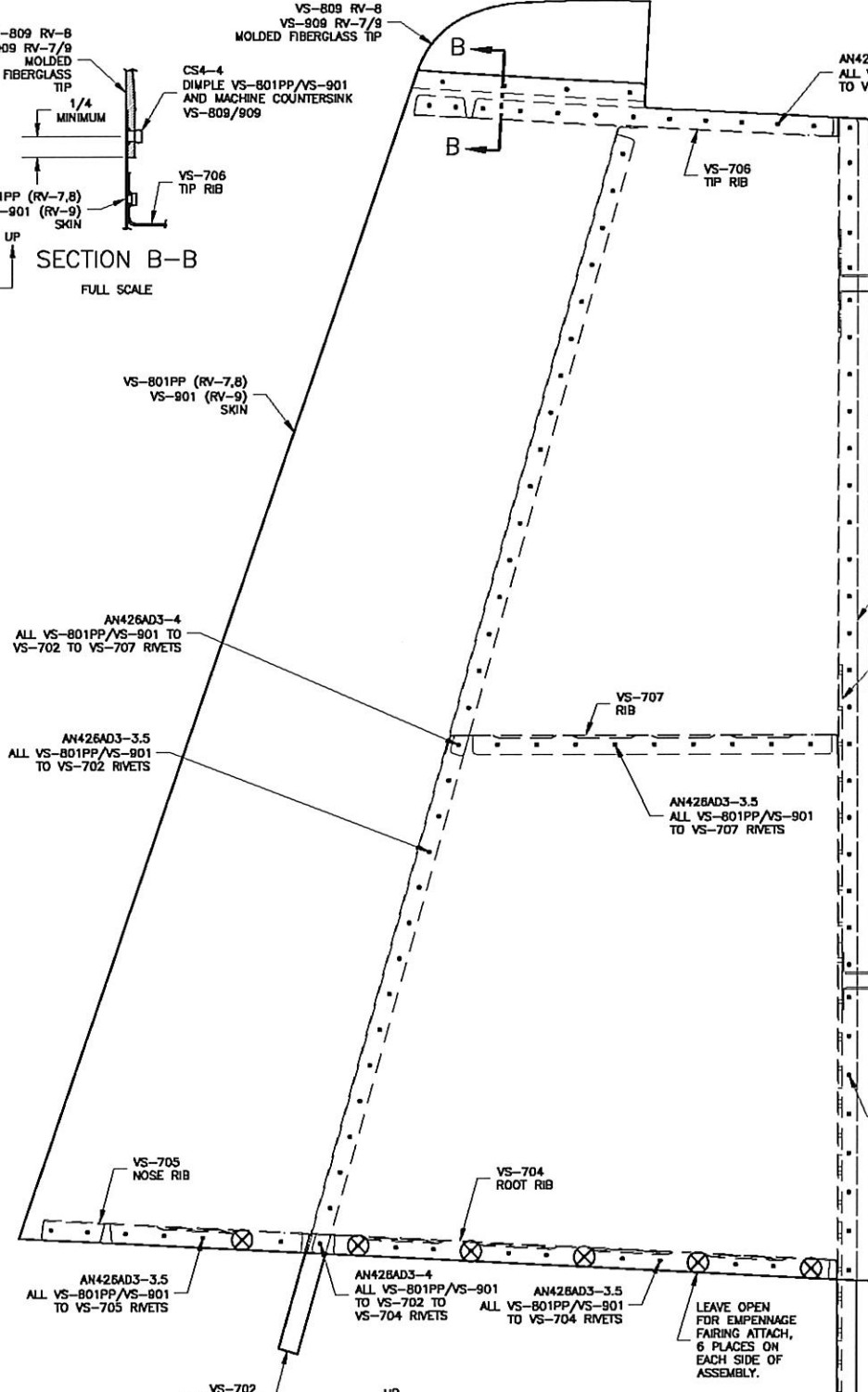
VS-801PP (RV-7,8)  
VS-901 (RV-9)  
SKIN

AN426AD3-4  
ALL VS-801PP/VIS-901 TO  
VS-702 TO VS-707 RIVETS

AN426AD3-3.5  
ALL VS-801PP/VIS-901  
TO VS-702 RIVETS

AN426AD3-3.5  
ALL VS-801PP/VIS-901  
TO VS-705 RIVETS

SIDE VIEW  
3/8 SCALE



AN426AD3-3.5  
ALL VS-801PP/VIS-901  
TO VS-706 RIVETS

VS-412PP  
HINGE BRACKET

VS-803PP  
REAR SPAR

VS-808PP  
SPAR DOUBLER

LP4-3  
ALL VS-808PP TO  
VS-803PP TO  
VS-707 BLIND RIVETS

AN426AD3-3.5  
ALL VS-801PP/VIS-901  
TO VS-707 RIVETS

VS-411PP  
HINGE BRACKET

AN426AD3-3.5  
ALL VS-801PP/VIS-901  
TO VS-803PP RIVETS

AN426AD3-4  
ALL VS-801PP/VIS-901  
TO VS-702 TO  
VS-704 RIVETS

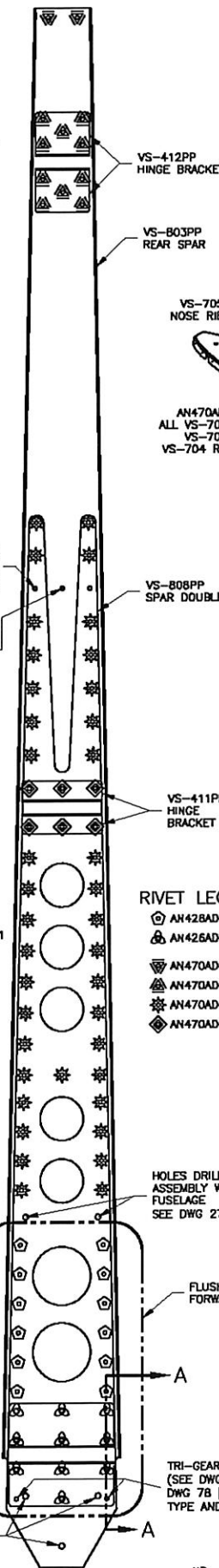
AN426AD3-3.5  
ALL VS-801PP/VIS-901  
TO VS-704 RIVETS

LEAVE OPEN  
FOR EMPENNAGE  
FAIRING ATTACH,  
6 PLACES ON  
EACH SIDE OF  
ASSEMBLY.

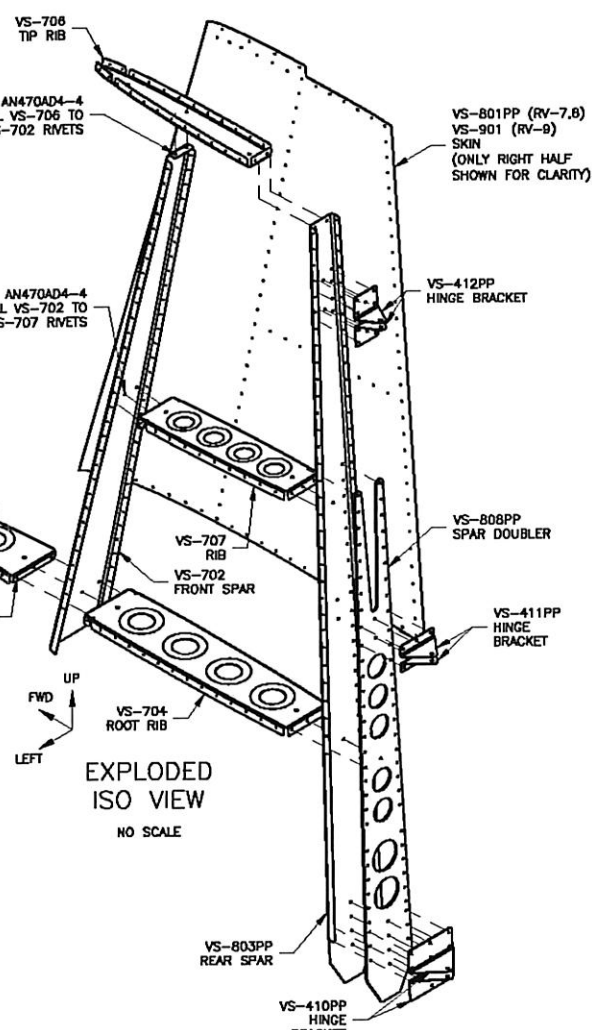
VS-702  
FRONT SPAR

VS-410PP  
HINGE BRACKET

TAIL-DRAGGER ONLY  
(SEE DWG 27 [RV-7,8],  
DWG 73 [RV-8])



REAR VIEW  
3/8 SCALE



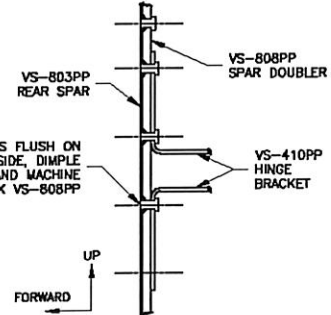
EXPLODED  
ISO VIEW  
NO SCALE

- RIVET LEGEND
- ⊙ AN428AD4-8
  - ⊙ AN426AD4-7
  - ⊙ AN470AD4-4
  - ⊙ AN470AD4-5
  - ⊙ AN470AD4-6
  - ⊙ AN470AD4-7

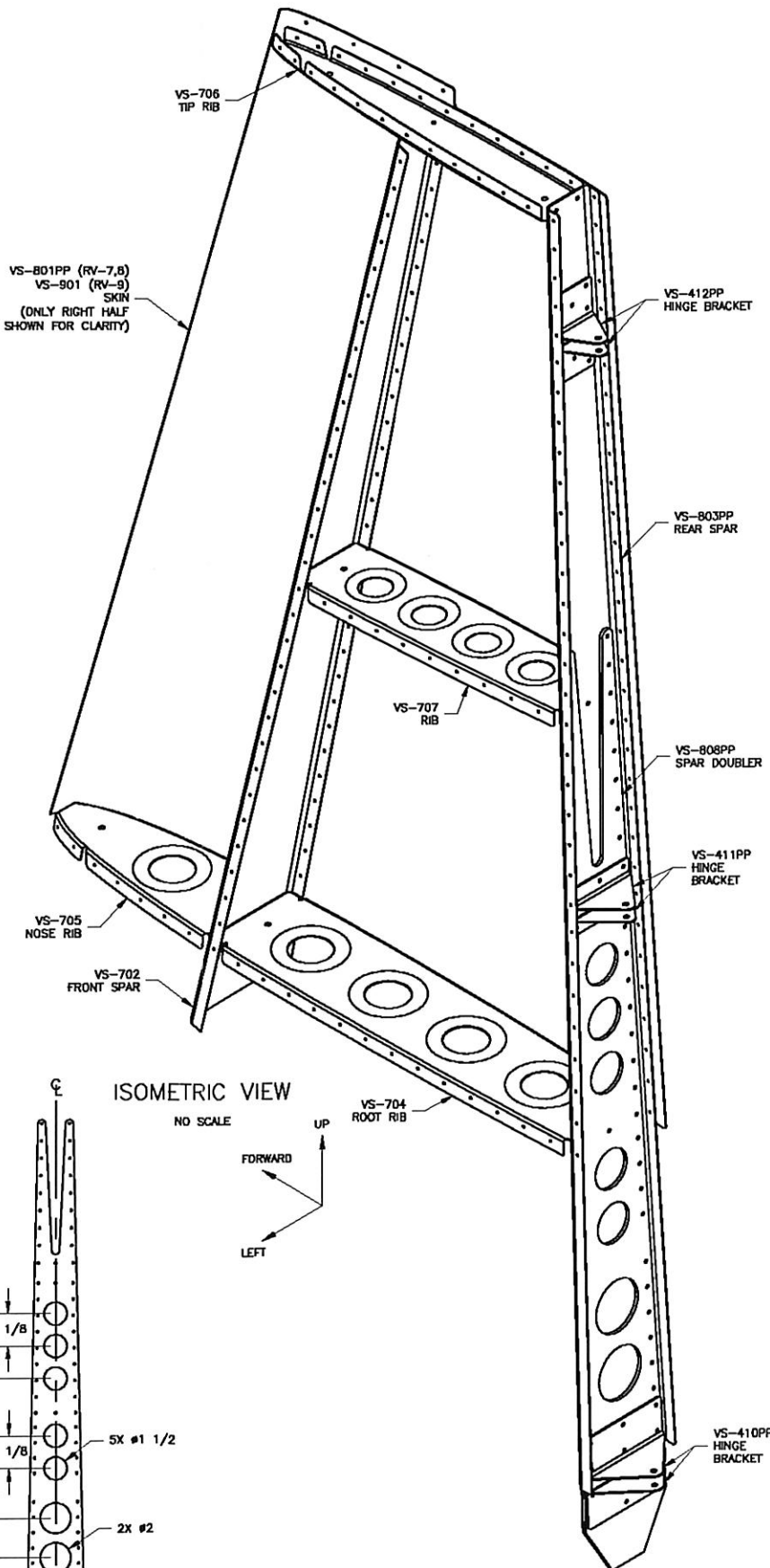
HOLES DRILLED IN  
ASSEMBLY WITH  
FUSELAGE  
SEE DWG 27/27A

FLUSH HEAD ON  
FORWARD SIDE

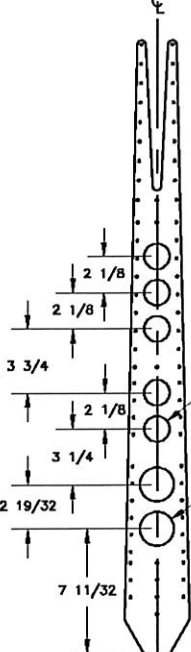
TRI-GEAR ONLY  
(SEE DWG 27A [RV-7A,8A],  
DWG 78 [RV-8A]) FOR RIVET  
TYPE AND LOCATION



SECTION A-A  
3/4 SCALE



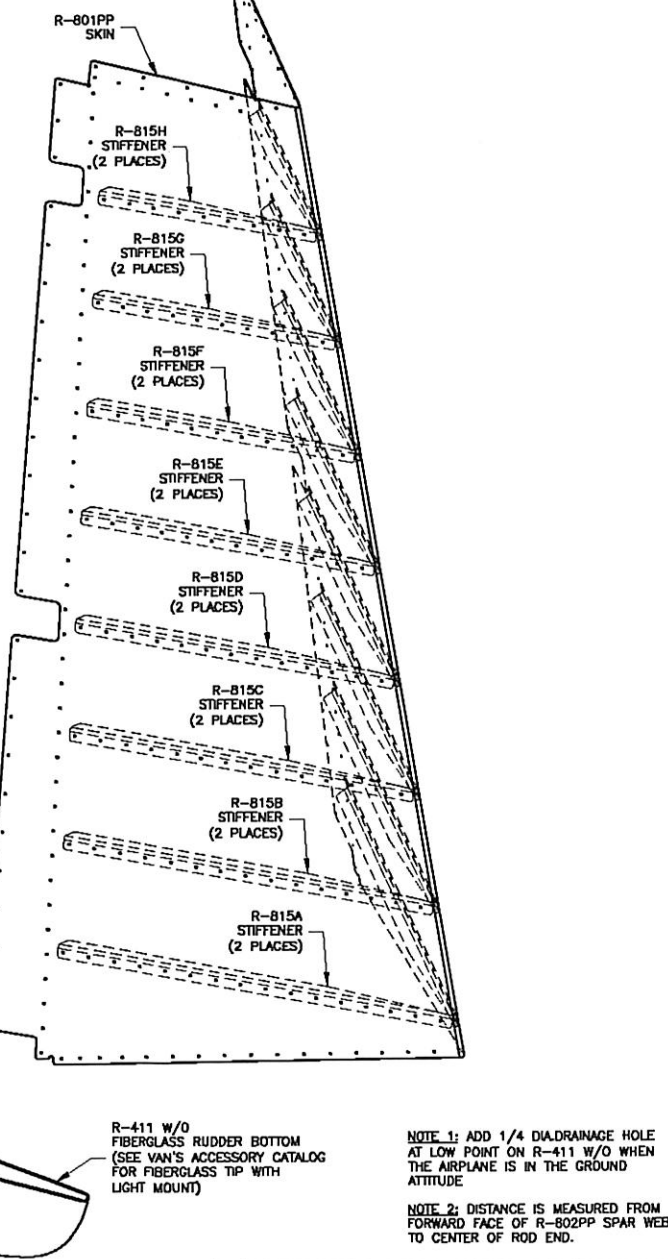
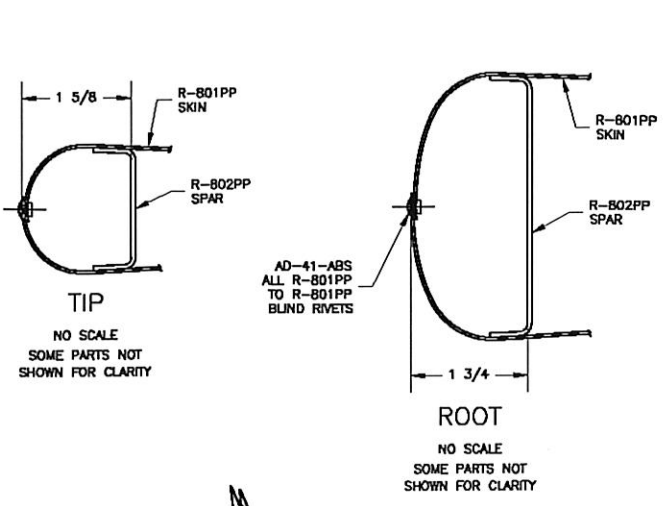
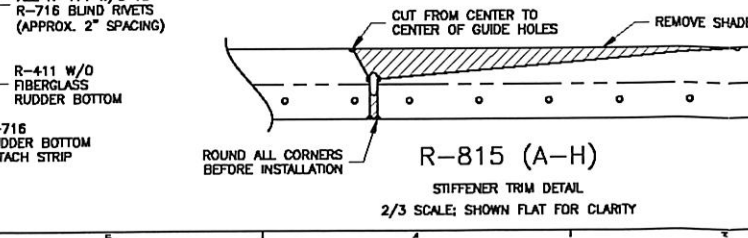
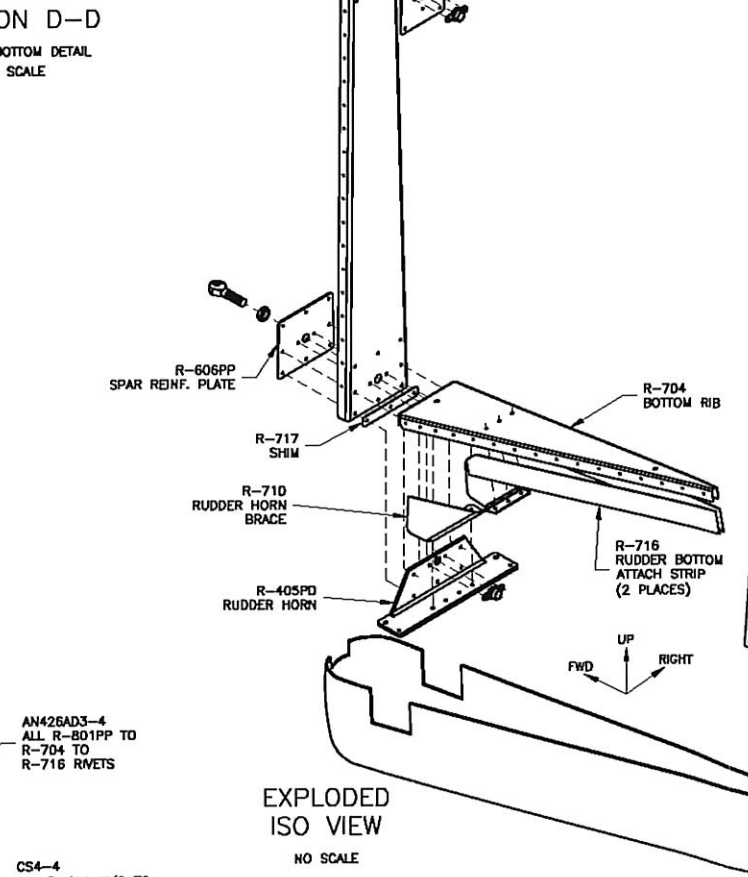
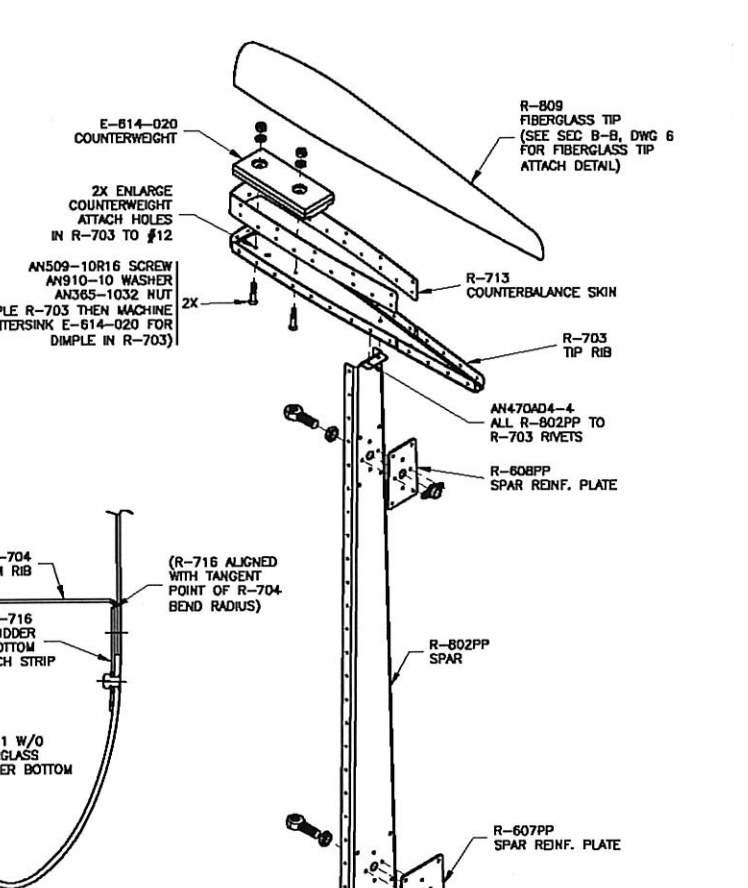
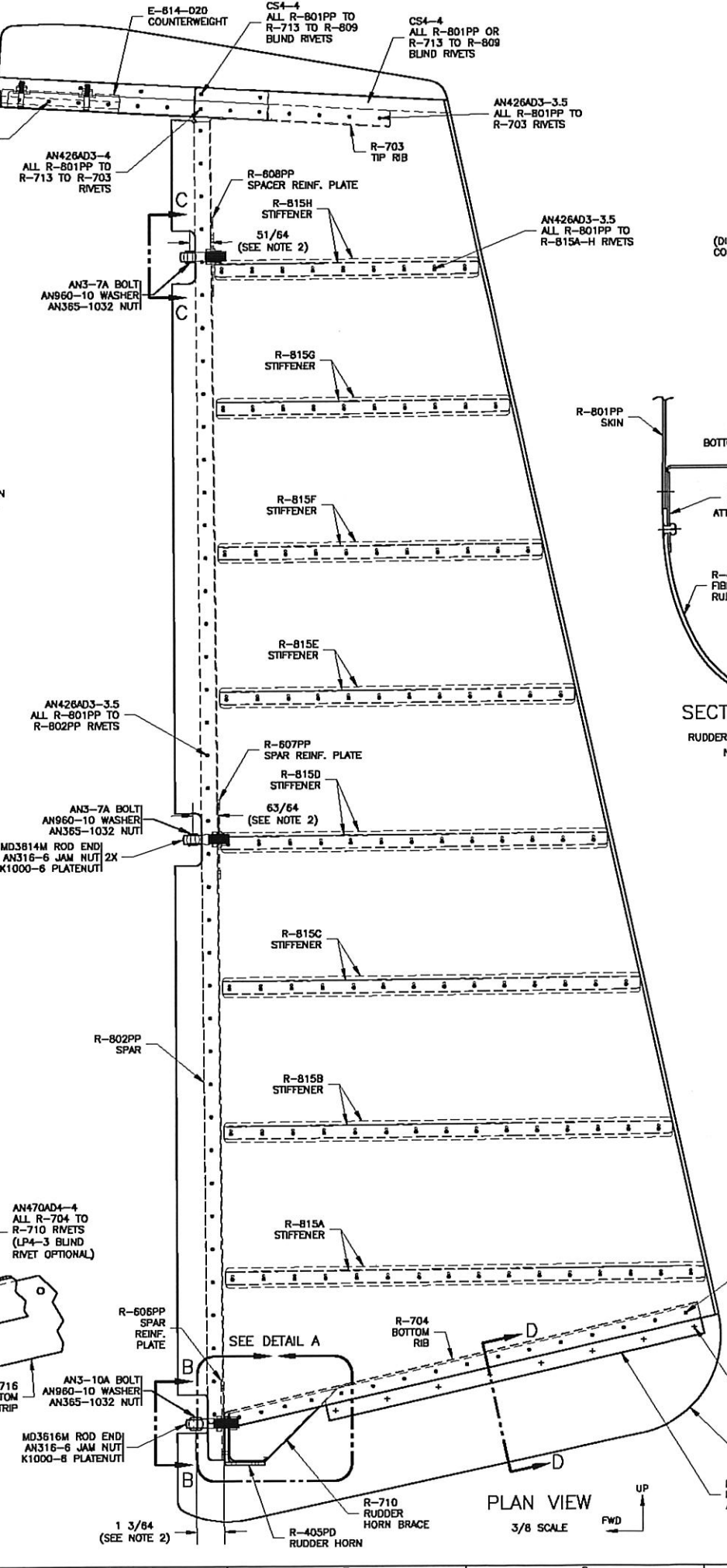
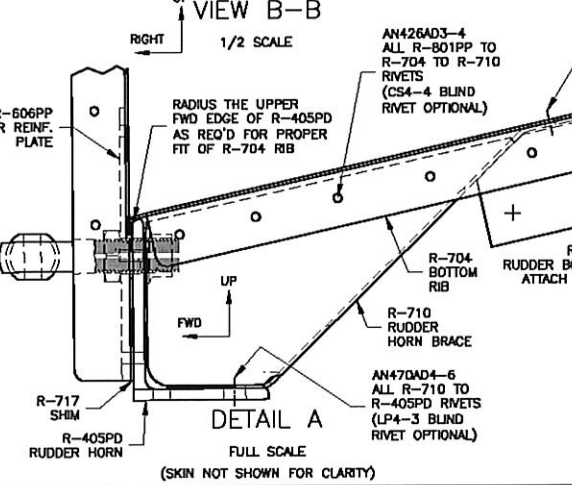
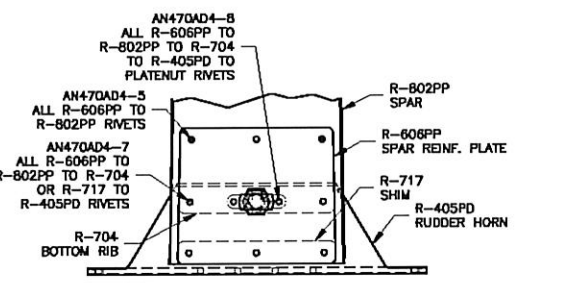
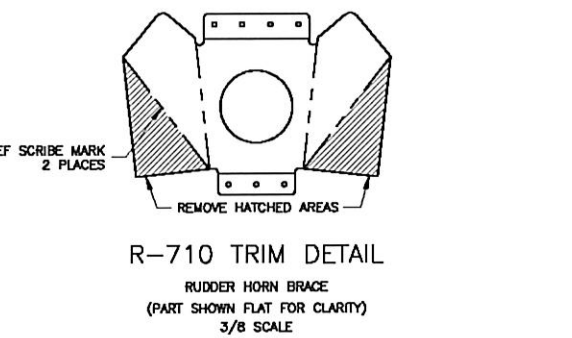
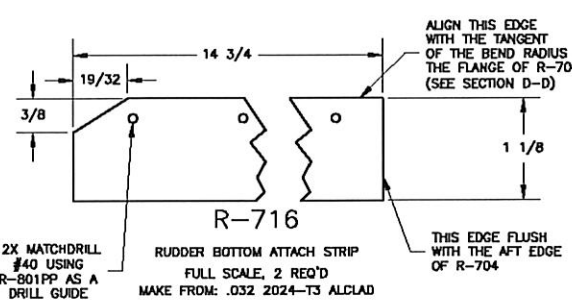
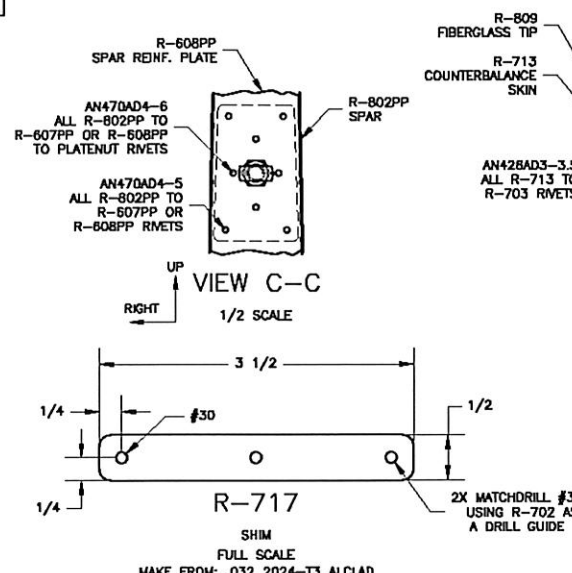
ISOMETRIC VIEW  
NO SCALE



OPTIONAL LIGHTNING HOLES DETAIL  
3/16 SCALE

VAN'S AIRCRAFT, INC. 14461 NE 1 ALBUQUERQUE, NM 87002-1	
VERTICAL STABILIZER	
DATE DRAWN: 4/9/01	UNITS: INCHES RV-7,8,9
DRAWN BY: RAN JOHNSON	SCALE: AS NOTED D-SIZE 0
TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)	SCALE: AS NOTED D-SIZE 0
PATH/FILENAME: G:\RV-7,8 OTHER PLANS\RV7,8,9-8.DWG	DWG

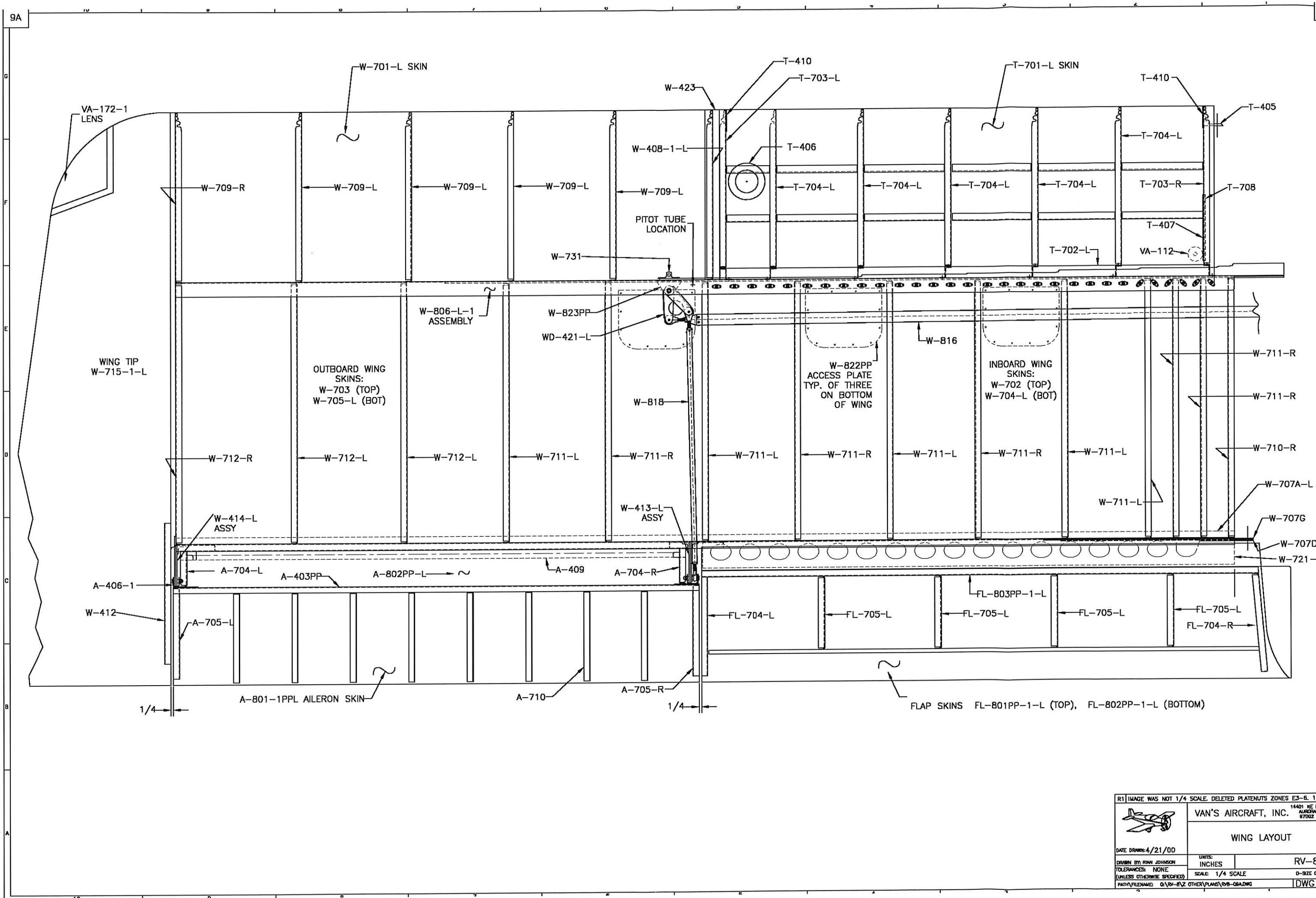




NOTE 1: ADD 1/4 DIA DRAINAGE HOLE AT LOW POINT ON R-411 W/O WHEN THE AIRPLANE IS IN THE GROUND ATTITUDE.

NOTE 2: DISTANCE IS MEASURED FROM FORWARD FACE OF R-802PP SPAR WEB TO CENTER OF ROD END.

R1 ZONES A8,D8,F8: ADDED RUDDER ATTACH HARDWARE; ZONE D7: "59/64" WAS "63/64" 2/25/03		14401 HE.1 AURORA 97002	
VAN'S AIRCRAFT, INC.		RUDDER	
DATE DRAWN: 9/4/01	UNITS: INCHES	RV-8	
DRAWN BY: RIAN JOHNSON	SCALE: AS NOTED	D-SIZE (UNLESS OTHERWISE SPECIFIED)	
TOLERANCES: NONE	SCALE: AS NOTED		DWG
PATH/FILENAME: Q:\RV-8\OTHER\RV8-07.DWG			



R1 IMAGE WAS NOT 1/4 SCALE. DELETED PLATENUTS ZONES E3-B. 1

VAN'S AIRCRAFT, INC. 14401 NE 1  
ALBURN 97002

WING LAYOUT

DATE DRAWN: 4/21/00

DRAWN BY: RYAN JOHNSON

TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)

UNIT: INCHES

SCALE: 1/4 SCALE

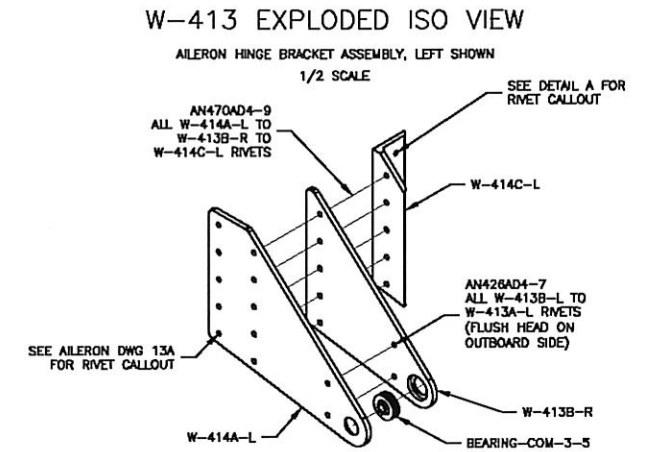
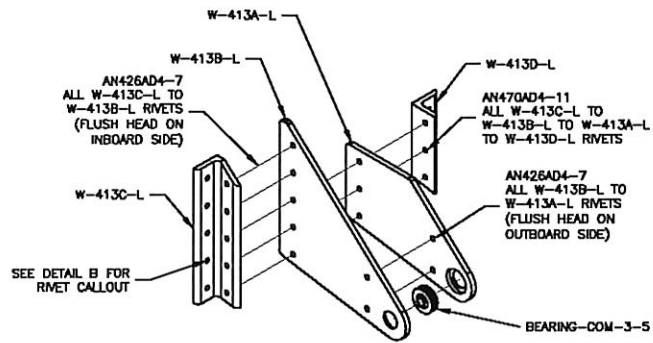
RV-E

0-SIZE (

PATH: Q:\RV-8VZ OTHER PLANS\RV8-08A.DWG

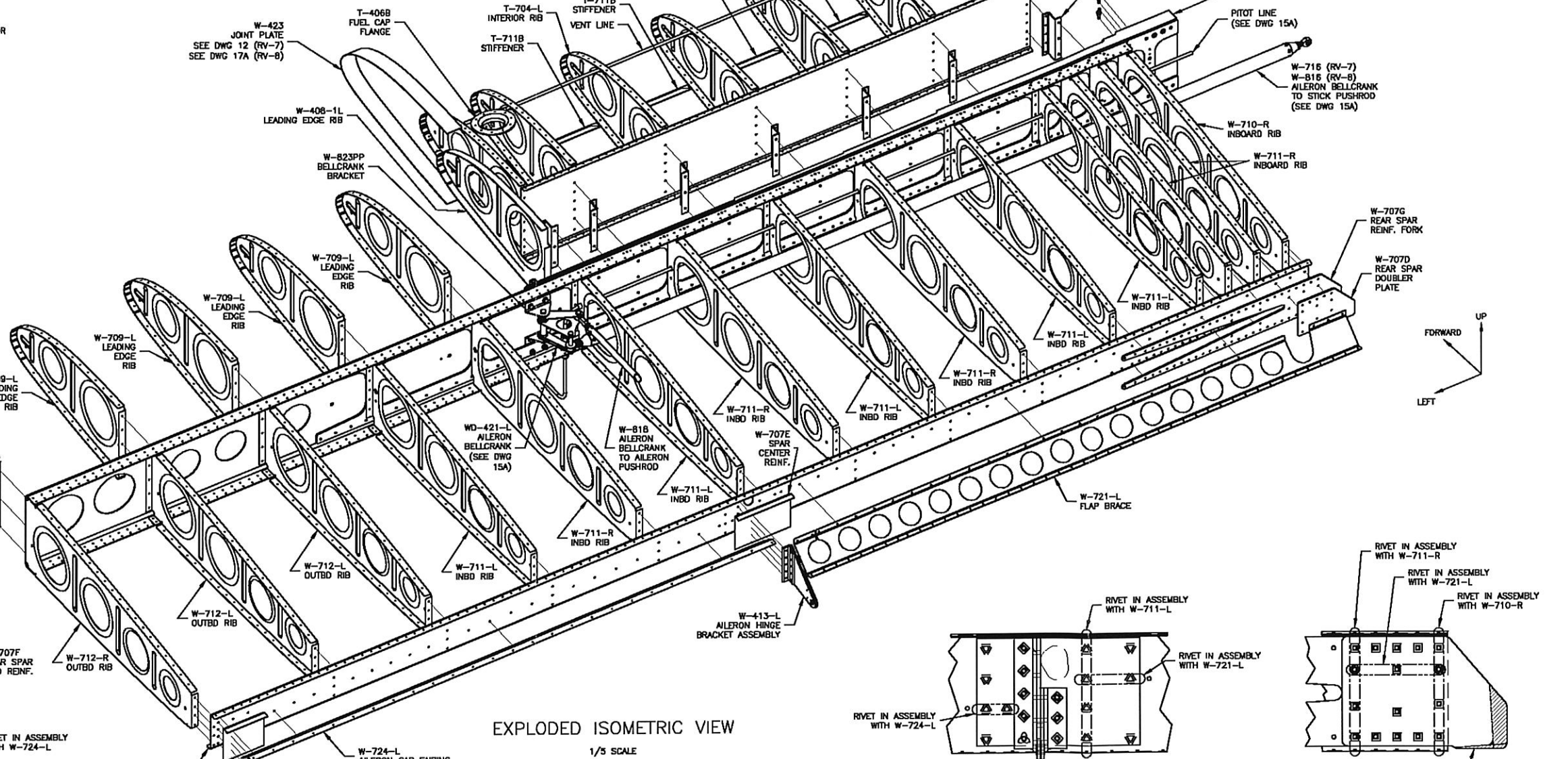
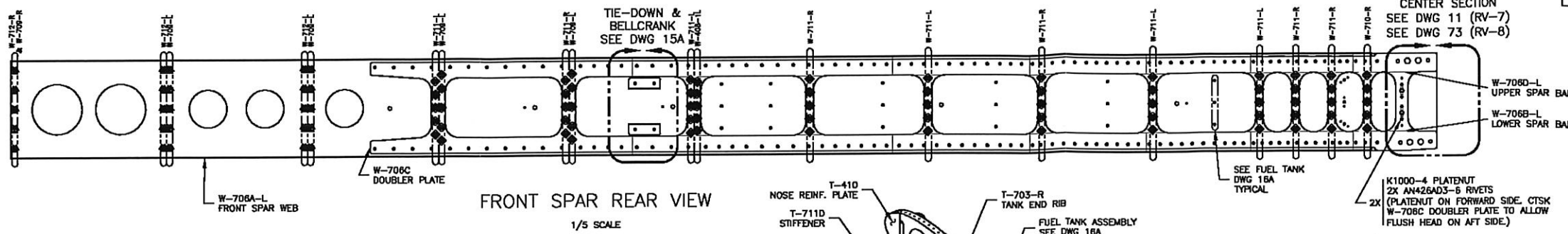
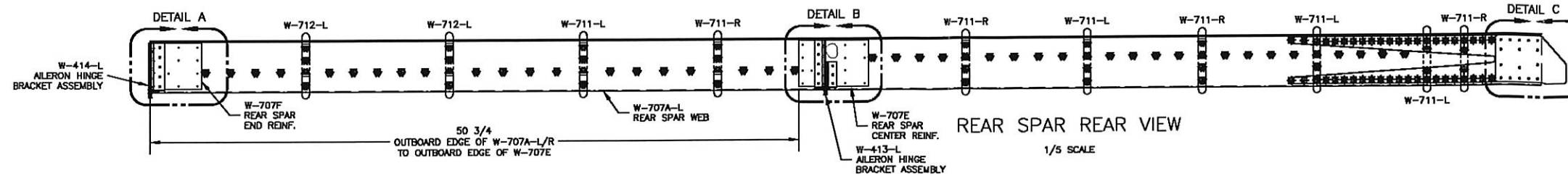
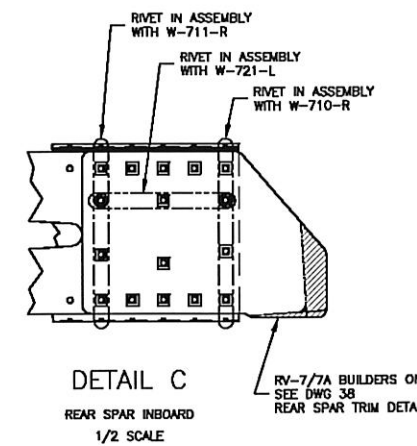
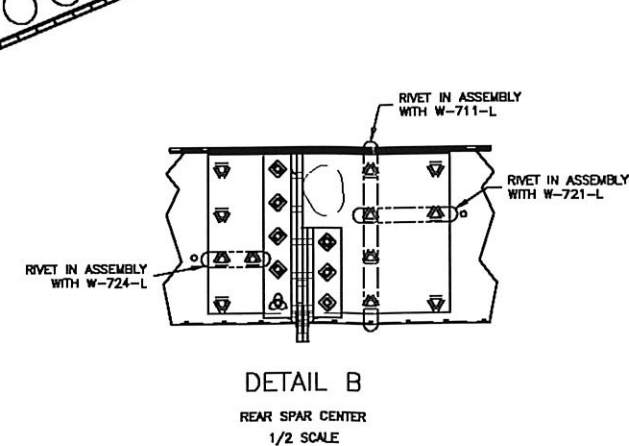
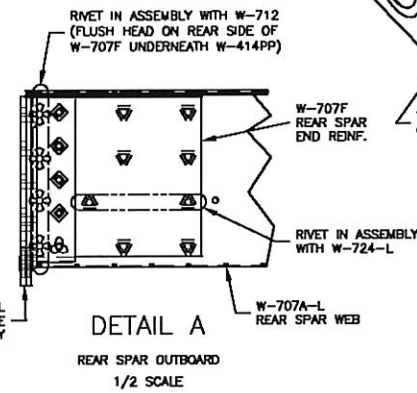
DWG





**RIVET LEGEND**

- ▼ AN426AD3-3
- ▲ AN426AD3-3.5
- ◆ AN426AD3-4
- ◇ AN426AD3-4.5
- AN426AD3-5
- AN470AD4-4
- AN470AD4-5
- AN470AD4-6
- AN470AD4-7
- AN470AD4-8
- AN470AD4-9
- AN426AD4-4
- AN426AD4-5
- AN426AD4-6
- AN426AD4-7
- AN426AD4-8
- AN426AD4-9
- ★ CS4-4



R1 ZONE F1-01: ADDED K1000-4 CALLOUT; ZONE F3: DEPICTED. 1/2

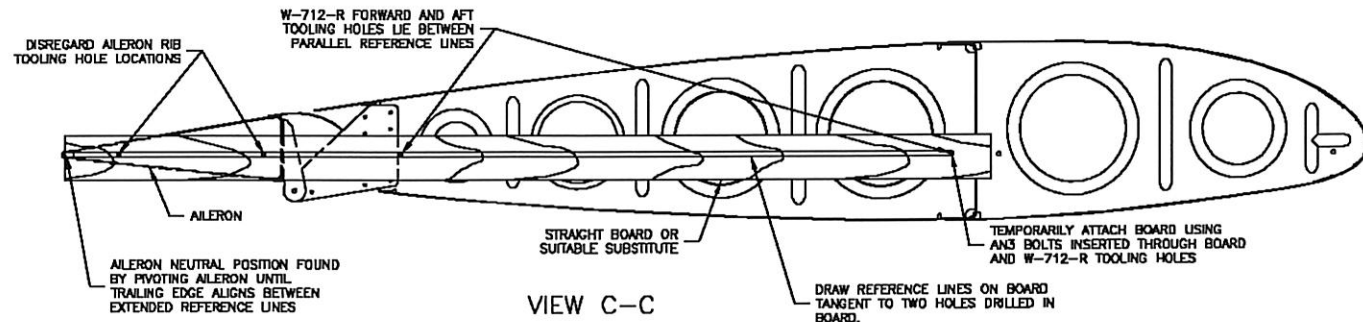
**VAN'S AIRCRAFT, INC.** 14401 NE NE AURORA, OR 97002 US

**EXPLODED ISO VIEW (LEFT WING SHOWN)**

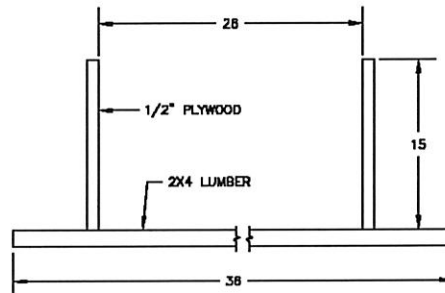
DATE DRAWN: 4/26/00 UNITS: INCHES RV-

DRAWN BY: RAN JOHNSON TOLERANCES: NOT GIVEN (UNLESS OTHERWISE SPECIFIED) SCALE: NOTED D-SIZE OR DWG

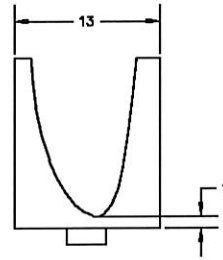
FILENAME: 04RV-7WINGRV-7 WING ASSEMBLY.DWG



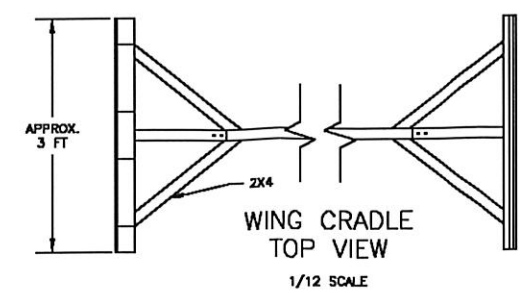
**VIEW C-C**  
 FINDING AILERON NEUTRAL POSITION  
 VIEW ROTATED 90° COUNTERCLOCKWISE  
 AILERON AND BOARD NOT DEPICTED IN PARENT VIEW  
 WING CRADLE NOT SHOWN  
 1/4 SCALE



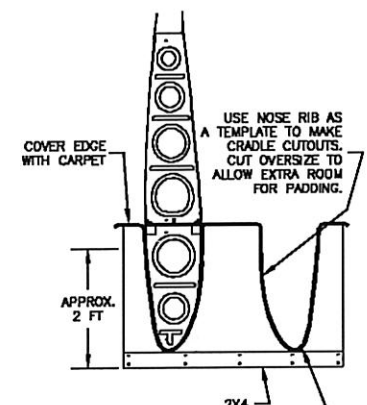
**FUEL TANK AND LEADING EDGE ASSEMBLY CRADLE**  
 NO SCALE



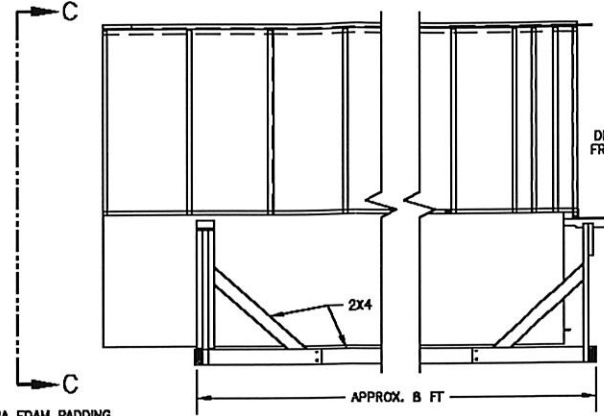
**END VIEW**  
 NO SCALE



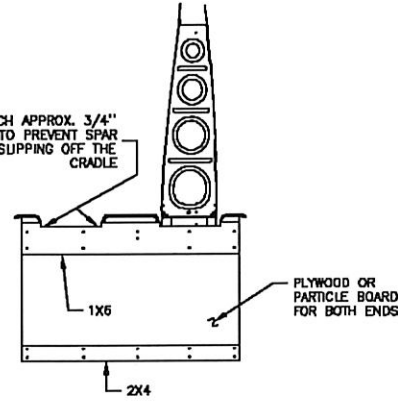
**WING CRADLE TOP VIEW**  
 1/12 SCALE



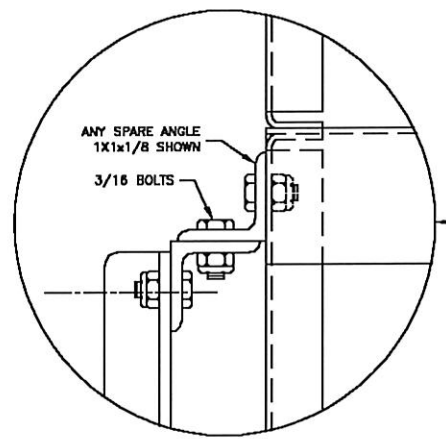
**WING CRADLE OTBD END VIEW**  
 1/12 SCALE



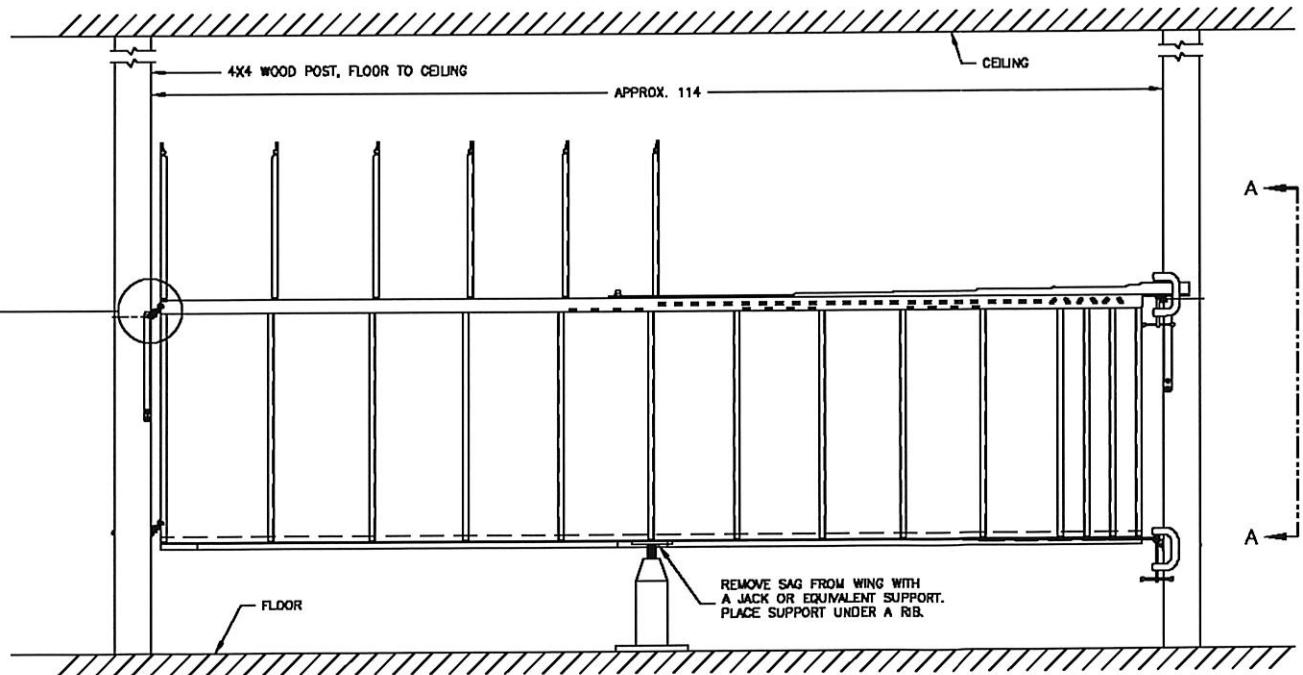
**WING CRADLE SIDE VIEW**  
 MAKE BEFORE CONSTRUCTING WINGS  
 1/12 SCALE



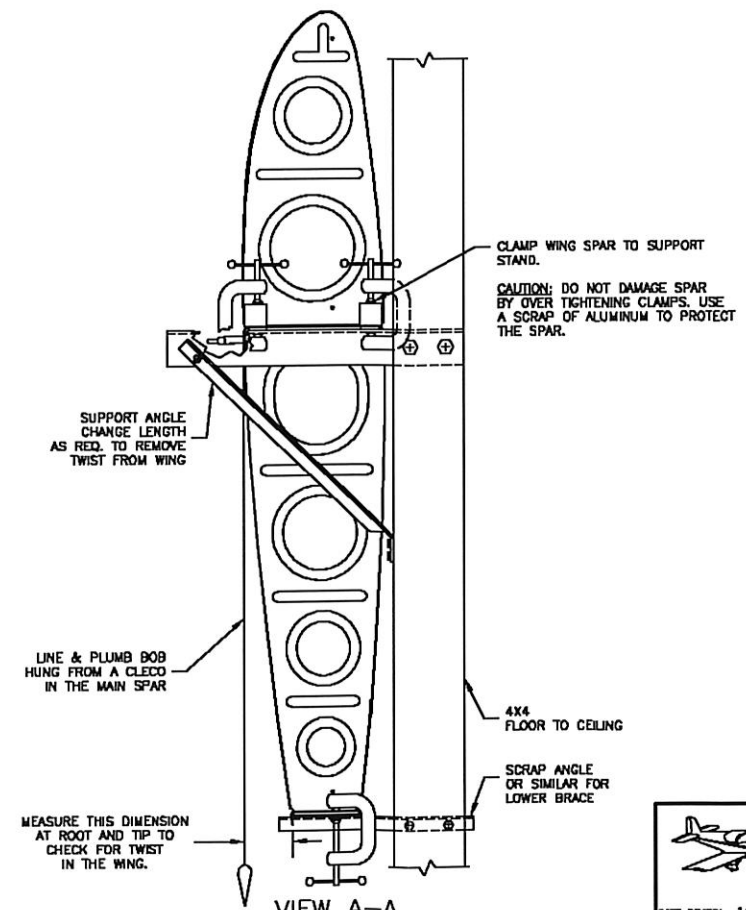
**WING CRADLE INBD END VIEW**  
 1/12 SCALE



**DETAIL B**  
 FULL SCALE



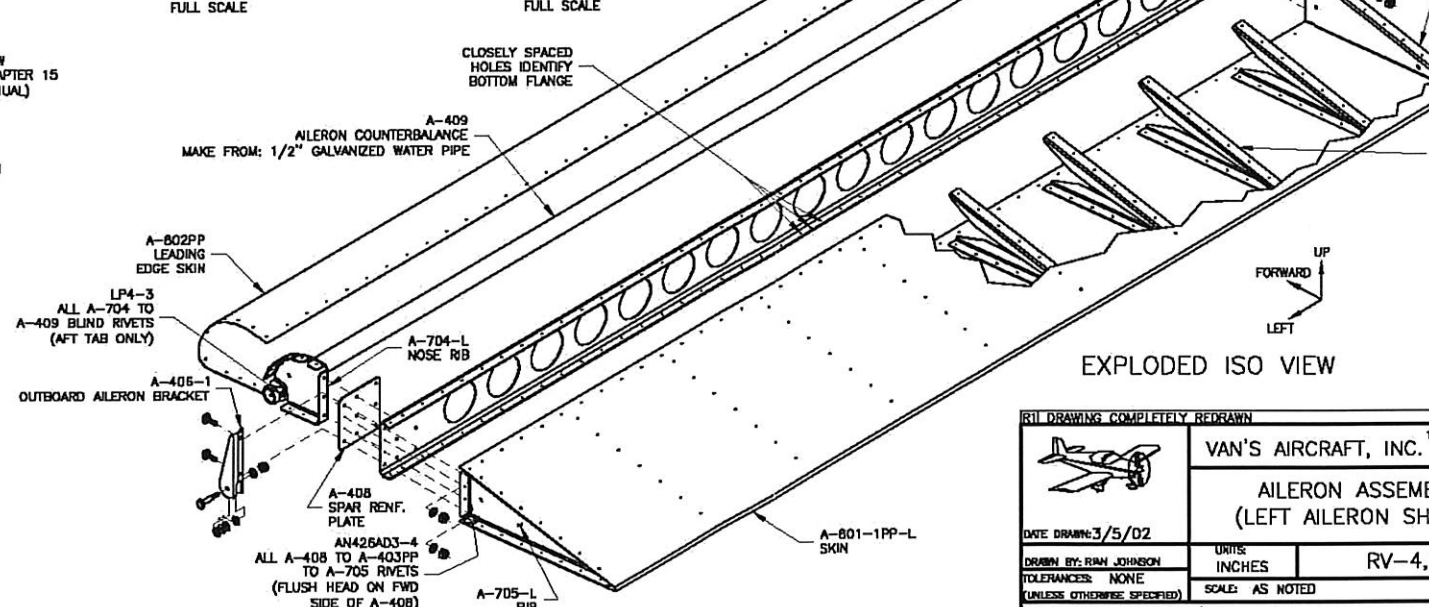
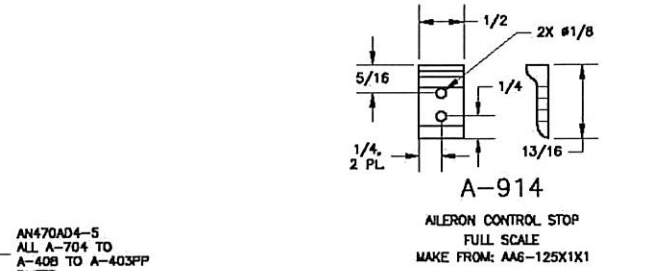
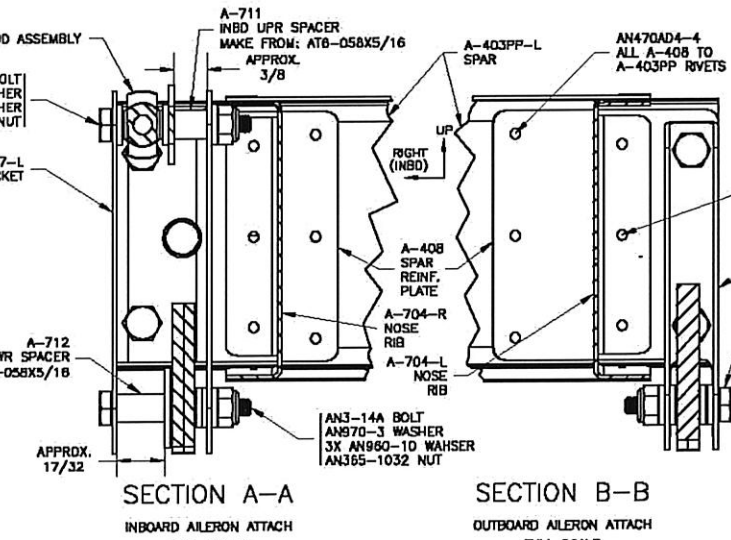
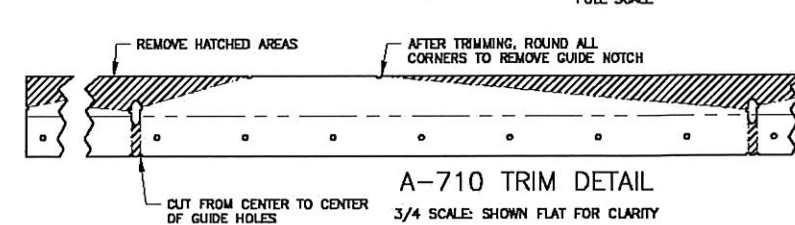
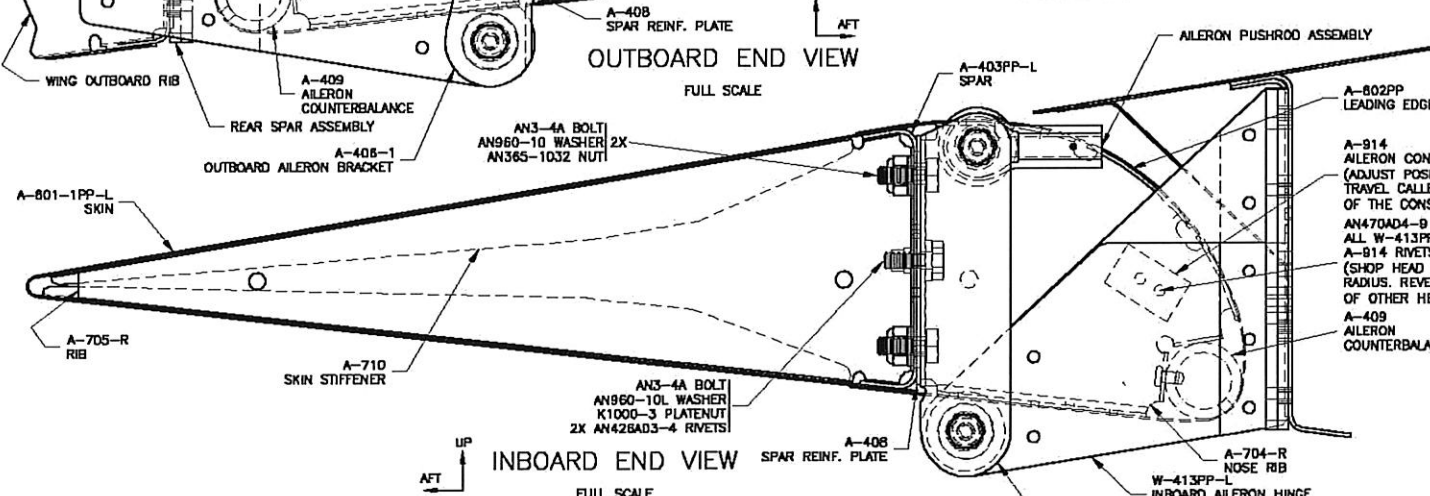
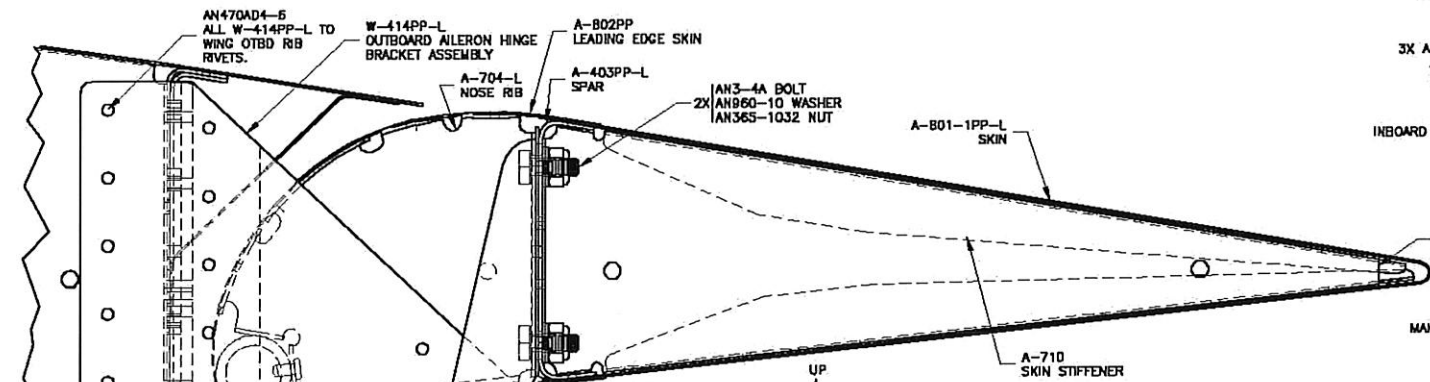
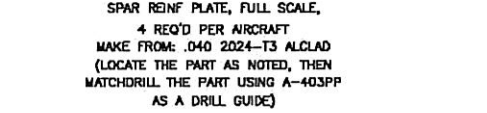
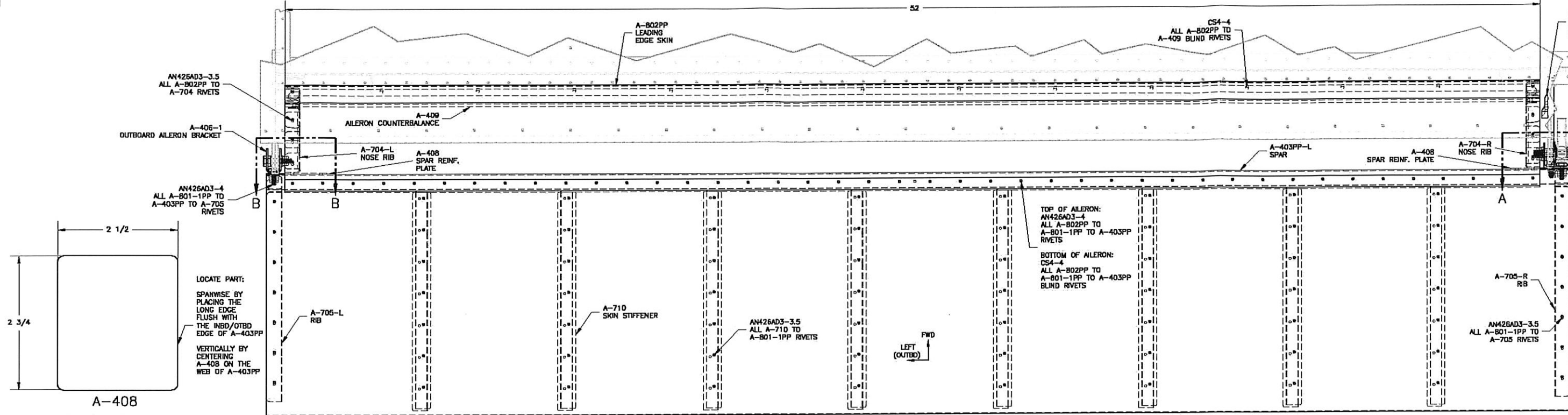
**WING STAND DETAIL**  
 1/12 SCALE



**VIEW A-A**  
 SIDE VIEW OF WING STAND  
 1/5 SCALE

		<b>VAN'S AIRCRAFT, INC.</b> 14401 NE 1 AURORA, OR 97002	
<b>WING MISCELLANEOUS</b>		<b>RV-7</b>	
DATE DRAWN: 10/5/00	UNITS: INCHES	D-SIZE: D	
DRAWN BY: PHILIP RYALL	SCALE: AS NOTED	DWG	
TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)	PATH/FILENAME: F:\RV-7\Z OTHER\RV7.8-12A.DWG		





REV. DRAWING COMPLETELY REDRAWN 3/5/02

VAN'S AIRCRAFT, INC. 14401 NE 1 AURORA 97002

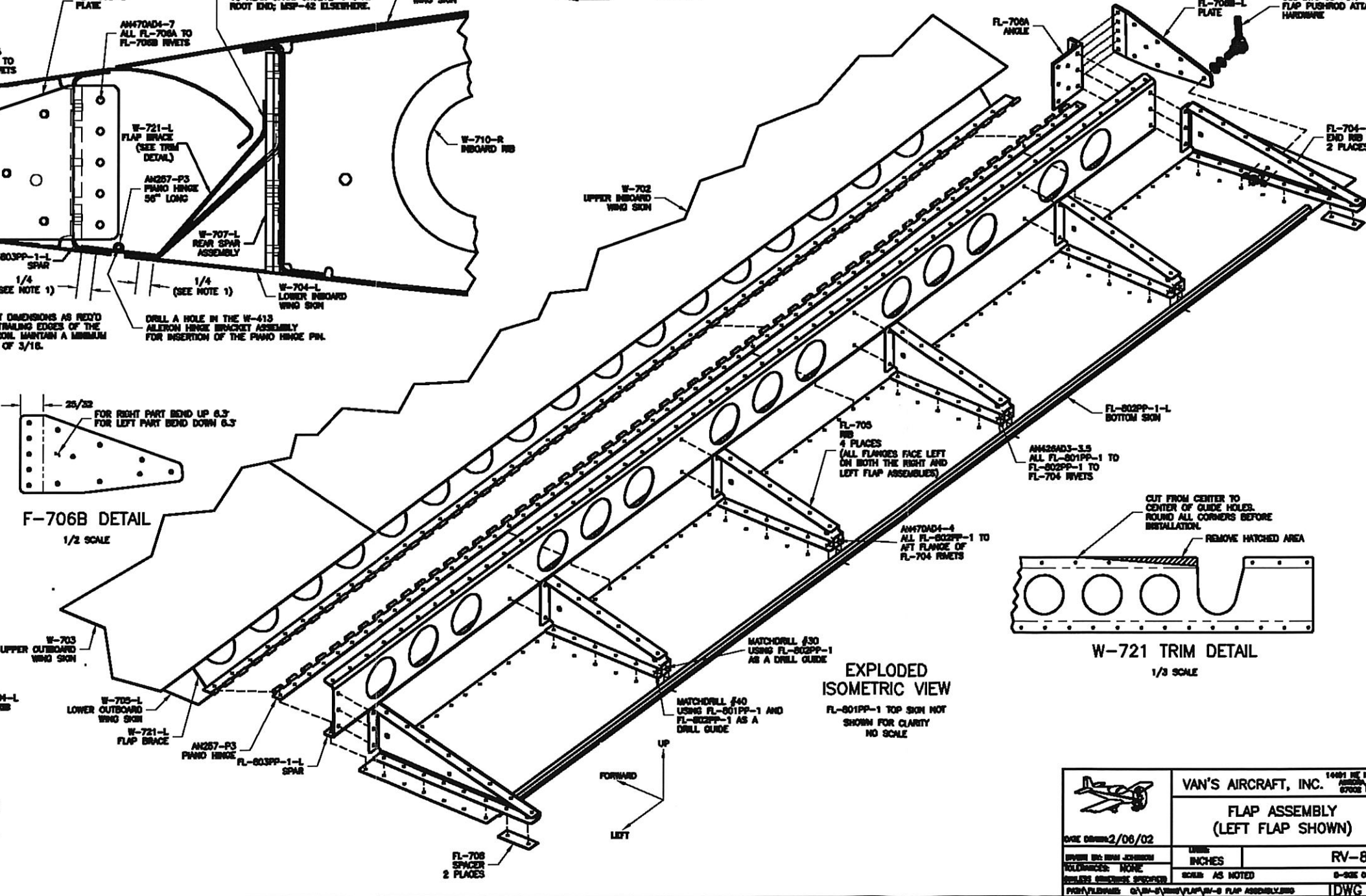
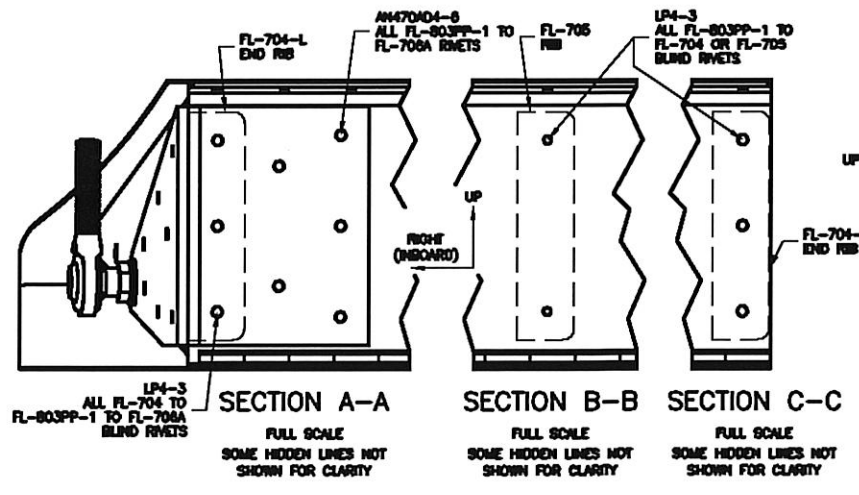
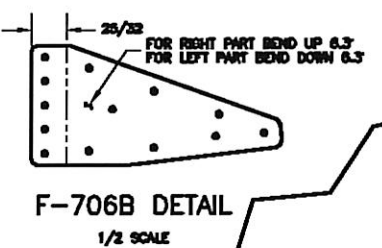
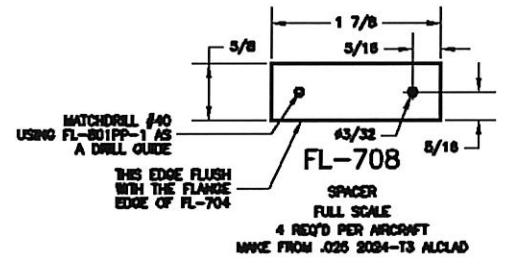
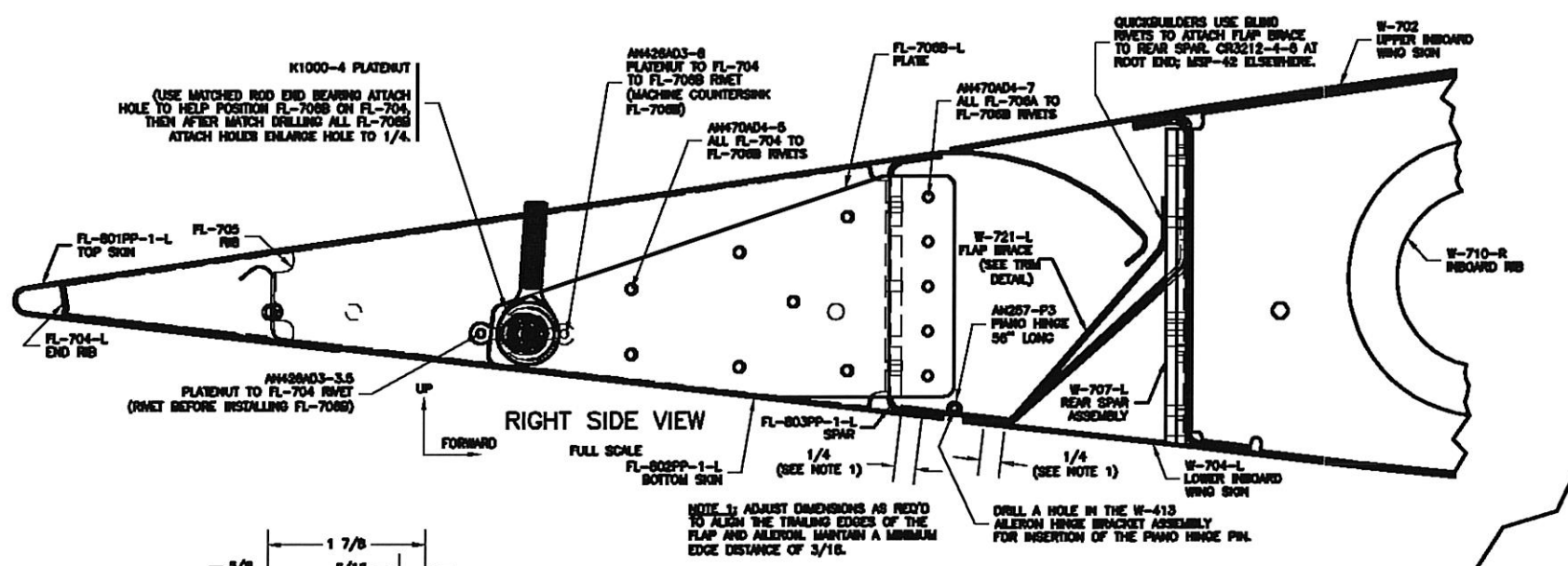
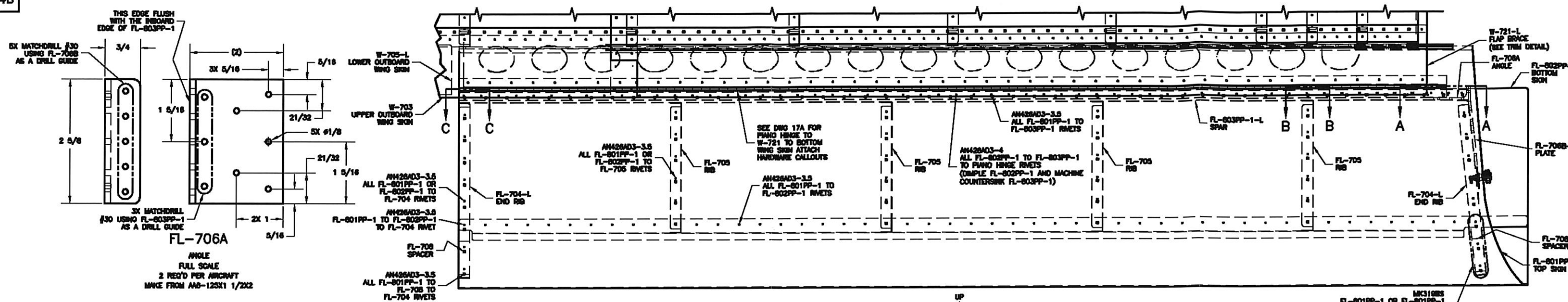
AILERON ASSEMBLY (LEFT AILERON SHOWN)

DATE DRAWN: 3/5/02  
DRAWN BY: RAN JOHNSON  
TOLERANCES: NONE  
UNLESS OTHERWISE SPECIFIED

SCALE: AS NOTED  
D-SIZE C

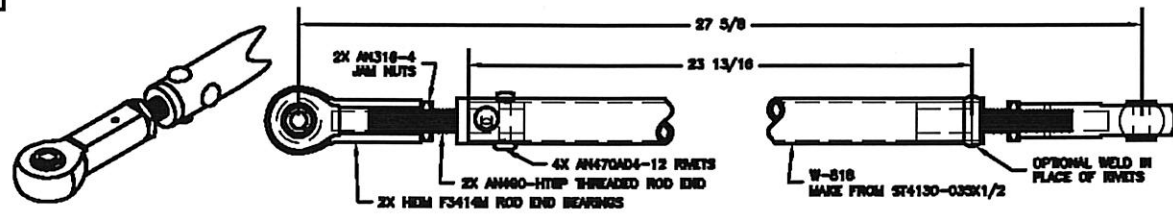
REV: 4,7,8  
SCALE: AS NOTED  
D-SIZE C

PATH: \\FILENAME: G:\RV-7\WING\AILERON\RV7,8 AILERON ASSEMBLY.DWG DWG



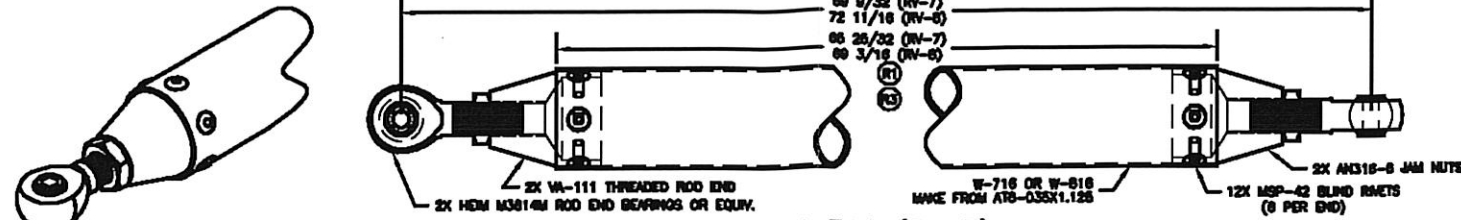
	VAN'S AIRCRAFT, INC.		14001 NE 1 AVE 1 TAMPA, FL 33605
	FLAP ASSEMBLY (LEFT FLAP SHOWN)		
	DATE 2/06/02	UNITS INCHES	RV-8
	DESIGNED BY VAN'S AIRCRAFT	SCALE AS NOTED	DRAWN BY D. J. BROWN
<small>                 DIMENSIONS UNLESS SPECIFIED                  PARTS/FILES: Q38-83300/FLAP-V-8 FLAP ASSEMBLY.DWG             </small>			<small>                 0-025 0                  TDW/C             </small>





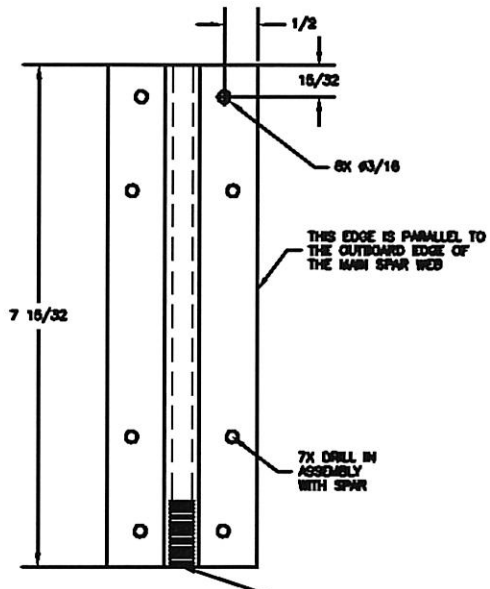
W-818 ASSEMBLY

ALERON BELLCRANK TO AILERON PUSHROD  
FULL SCALE, 2 REQ'D



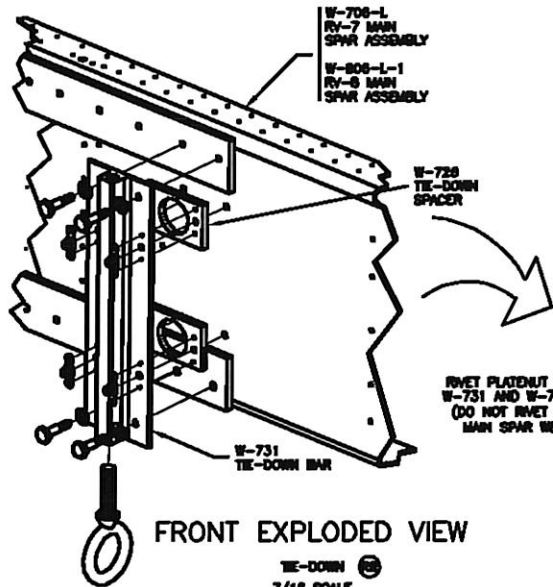
W-716 (RV-7)  
W-816 (RV-8)  
ASSEMBLY

ALERON BELLCRANK TO STICK PUSHROD  
FULL SCALE, 2 REQ'D



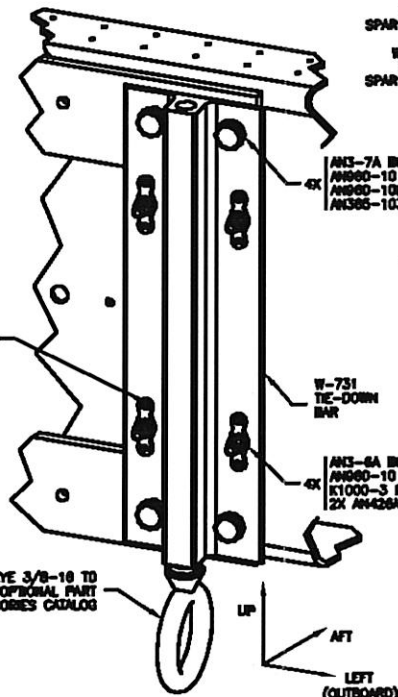
W-731

TE-DOWN BAR  
3/4 SCALE, 2 REQ'D  
MAKE FROM AEX TE-DOWN 7.500



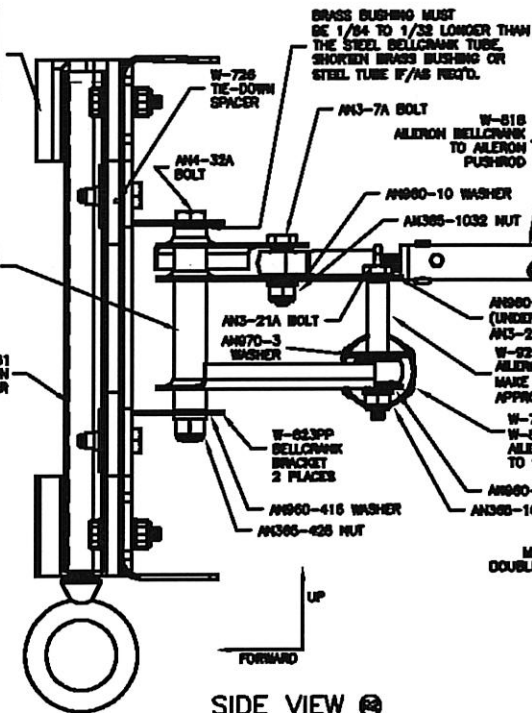
FRONT EXPLODED VIEW

TE-DOWN  
7/16 SCALE



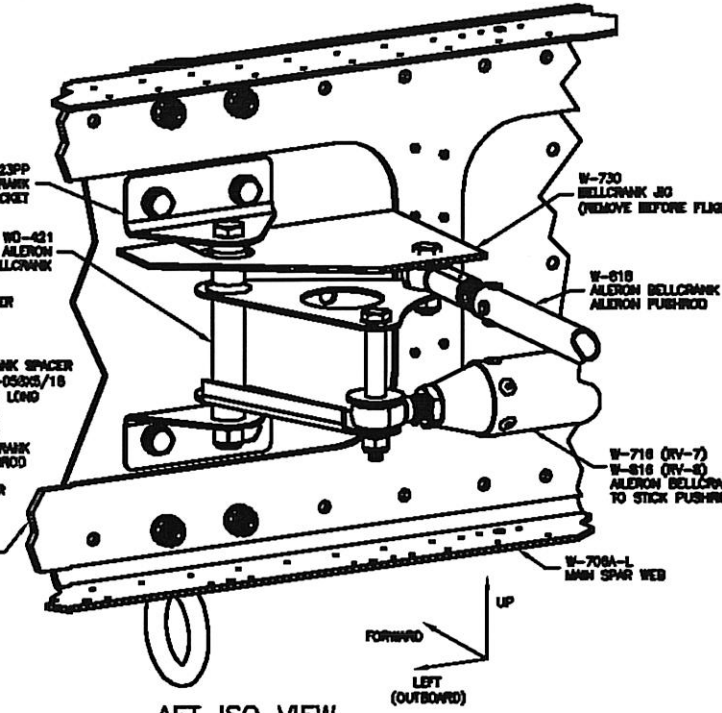
FRONT ISO VIEW

TE-DOWN  
3/4 SCALE



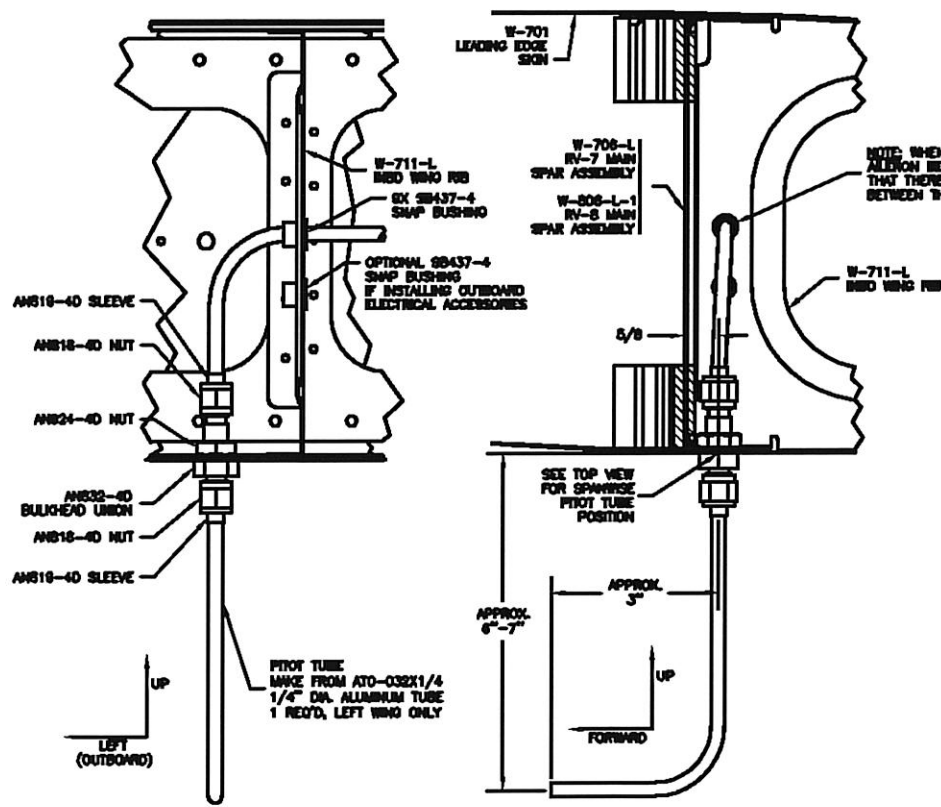
SIDE VIEW

ALERON BELLCRANK & TE-DOWN  
3/4 SCALE



AFT ISO VIEW

ALERON BELLCRANK  
3/4 SCALE

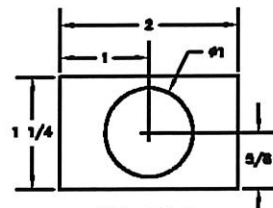


PITOT TUBE ASSEMBLY  
REAR VIEW

5/8 SCALE

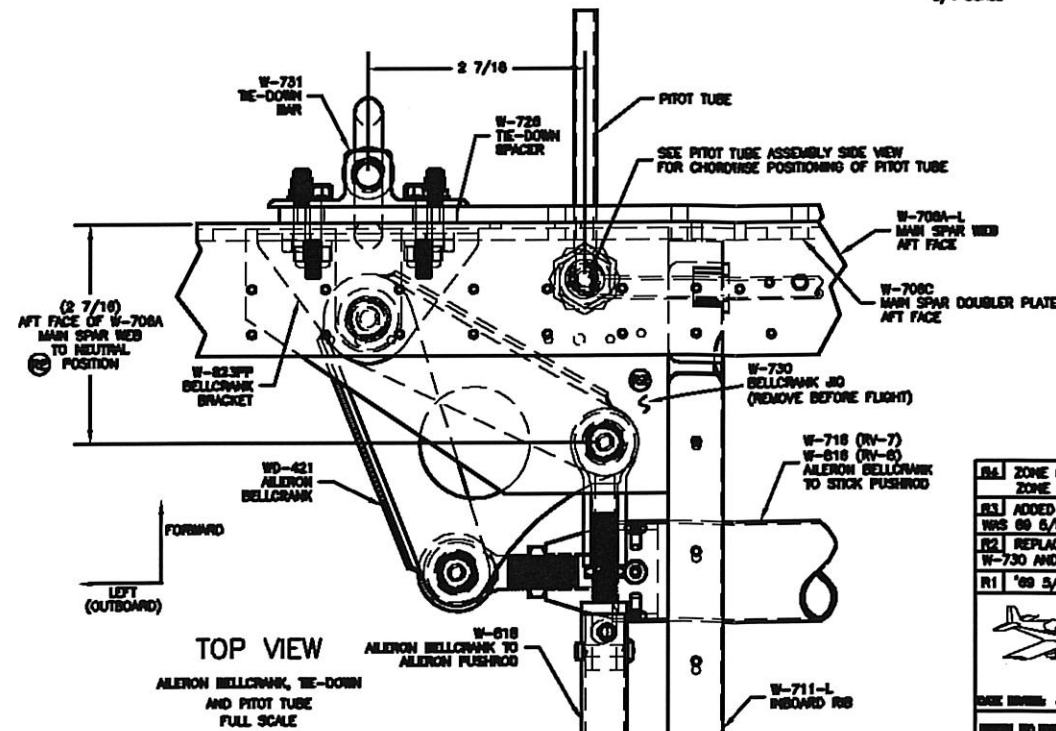
PITOT TUBE ASSEMBLY  
LEFT SIDE VIEW

5/8 SCALE



W-726

TE-DOWN SPACER  
FULL SCALE  
MAKE FROM A84-187X1.25

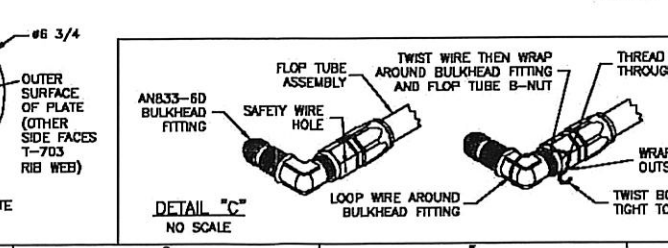
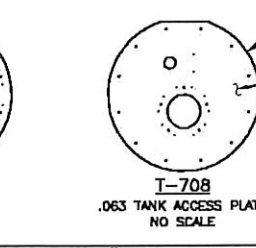
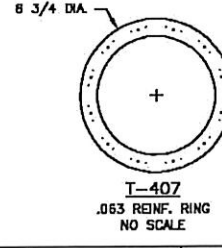
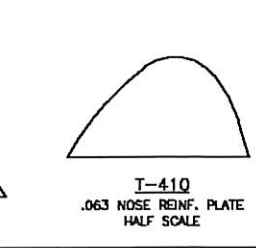
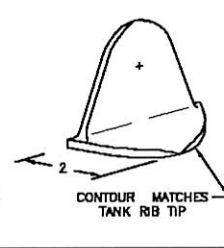
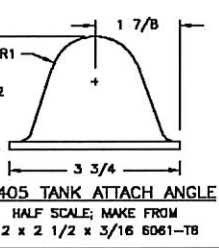
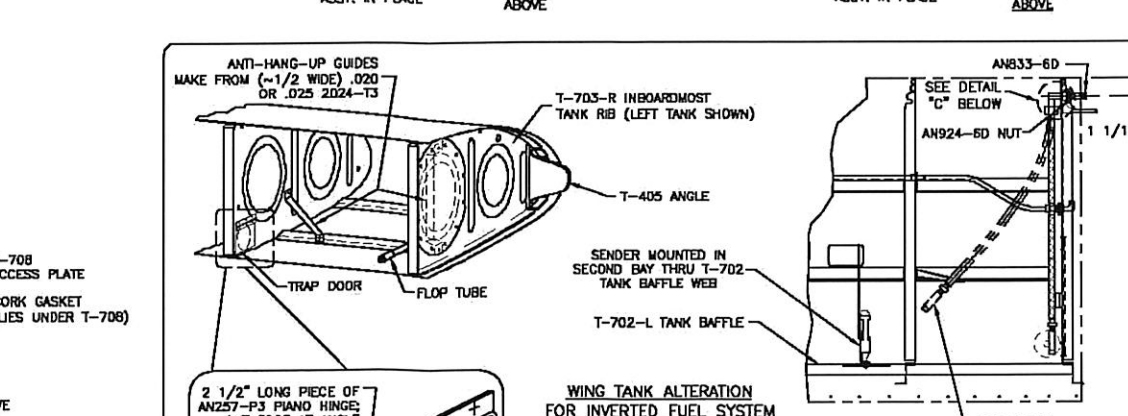
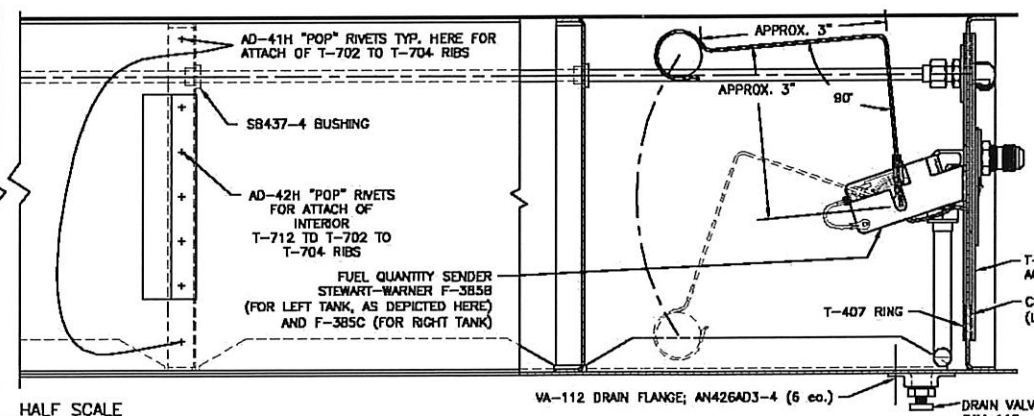
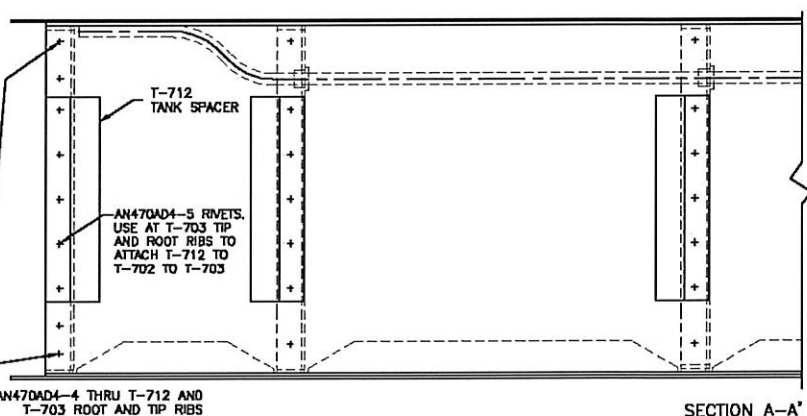
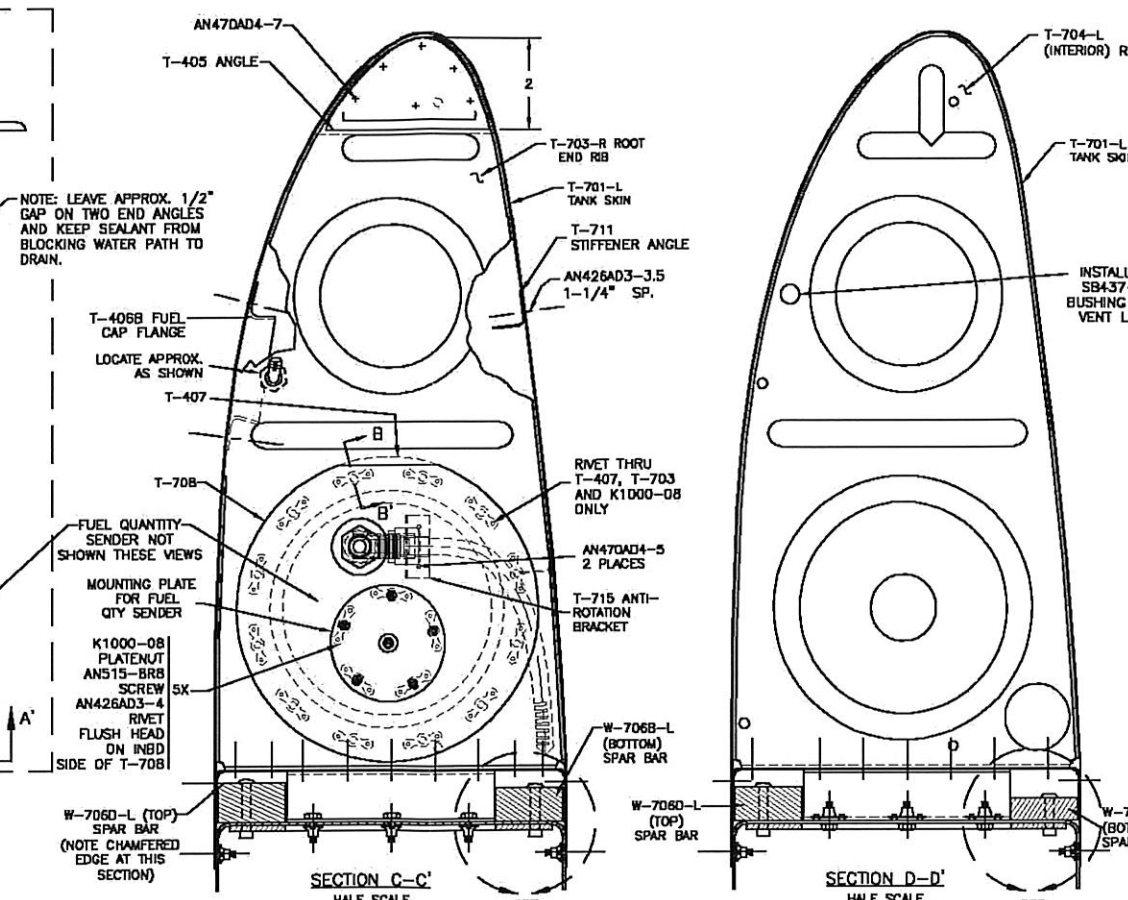
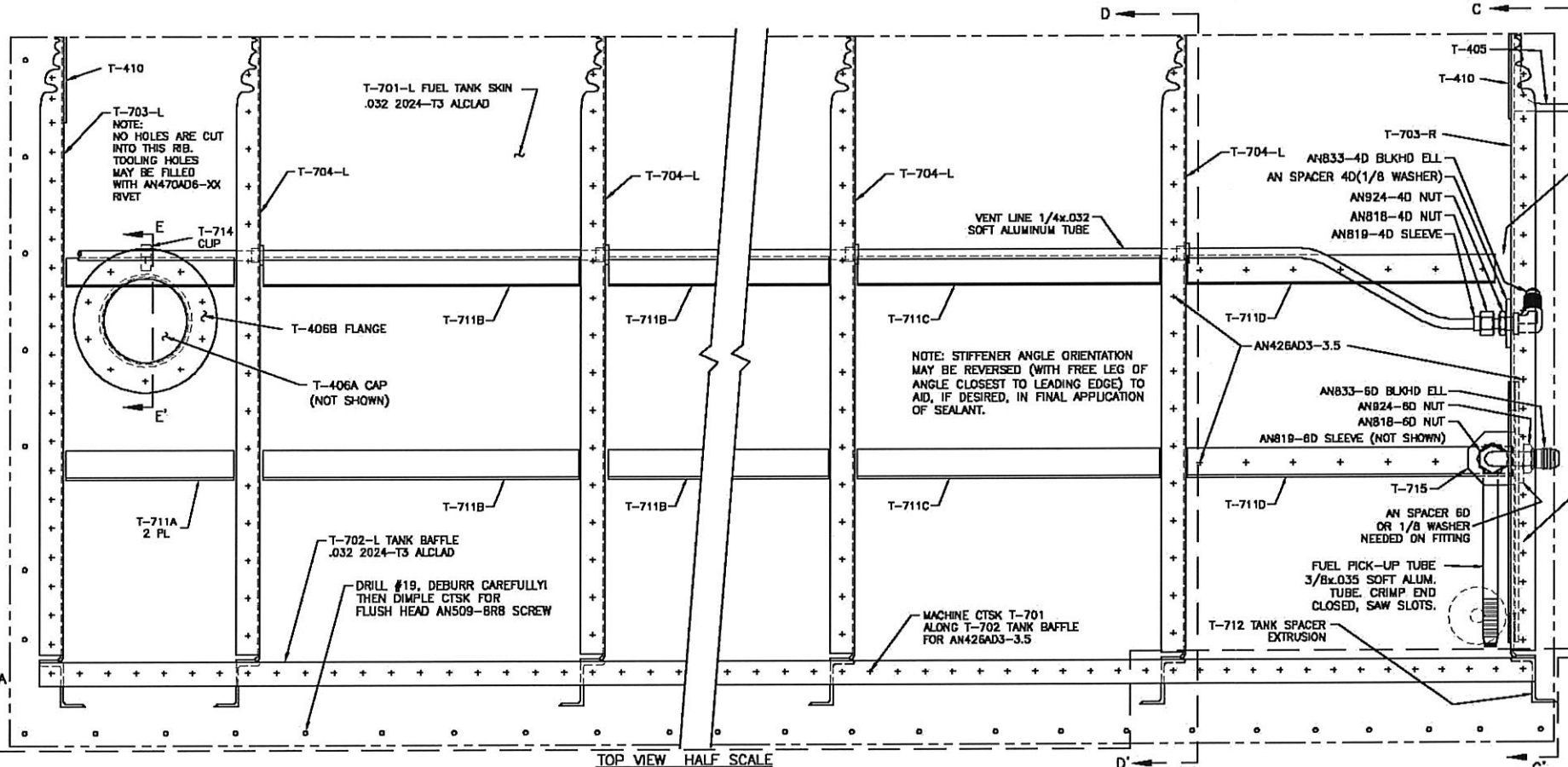
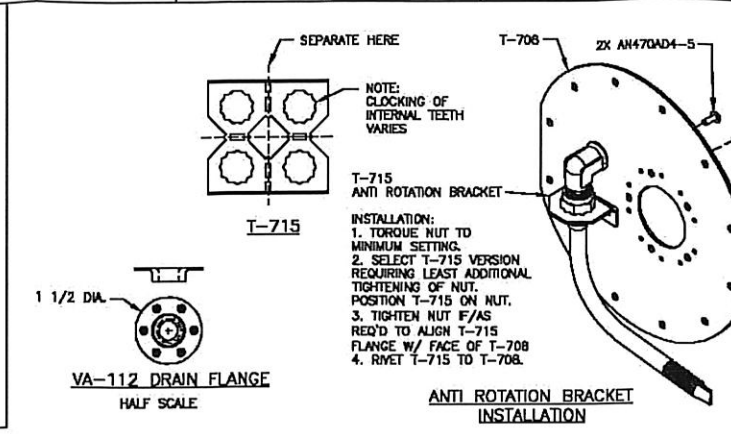
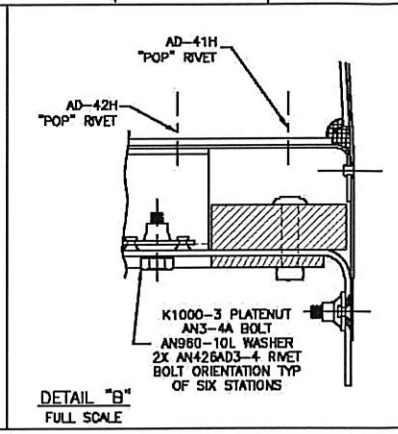
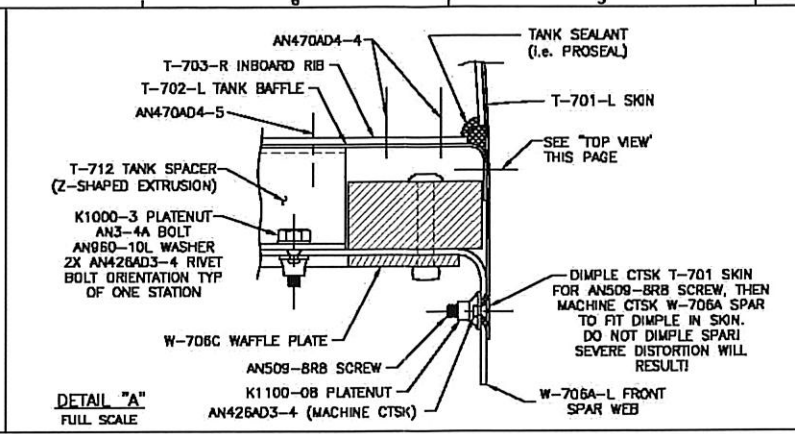
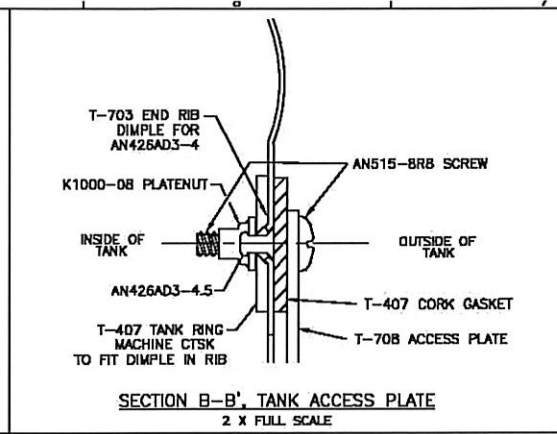
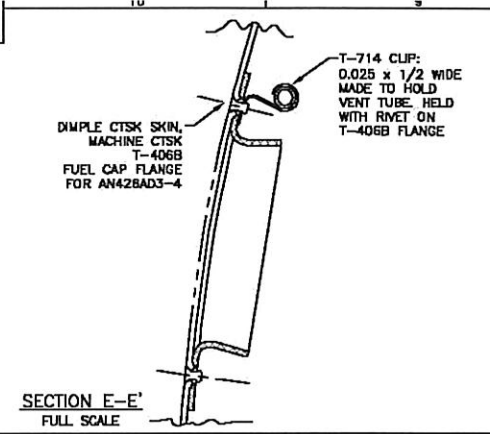


TOP VIEW

ALERON BELLCRANK, TE-DOWN AND PITOT TUBE  
FULL SCALE

- BA ZONE G7: ADDED "OPTIONAL WELD IN PLACE OF RIVETS". ZONE G3: R3 WAS R2 10/18/03
- BA3 ADDED CALLOUTS AND MAKE FROM DIMENSIONS FOR W-716: 80 3/16 80 5/16 ADDED CALLOUT FOR RV-7 SPAR 3/30/01
- BA2 REPLACED W-422 AND W-726 WITH W-731; REVISED DEPICTION OF W-730 AND CORRESPONDING REF. DIMENSION 12/8/01
- RT '09 5/8" WAS 80 3/8" 10/9/01

		VAN'S AIRCRAFT, INC. 14401 NE 140th St, Redmond, WA 98073	
DATE: 4/21/00	SCALE: INCHES	REV: 1	REV: 1
DESIGNER: NOT GIVEN	ISSUED: NOT GIVEN	BY: NOT GIVEN	BY: NOT GIVEN
PREPARED BY: NOT GIVEN	REVISIONS: NOT GIVEN	DATE: NOT GIVEN	DATE: NOT GIVEN
DWG NO: 15A		DWG NO: 15A	



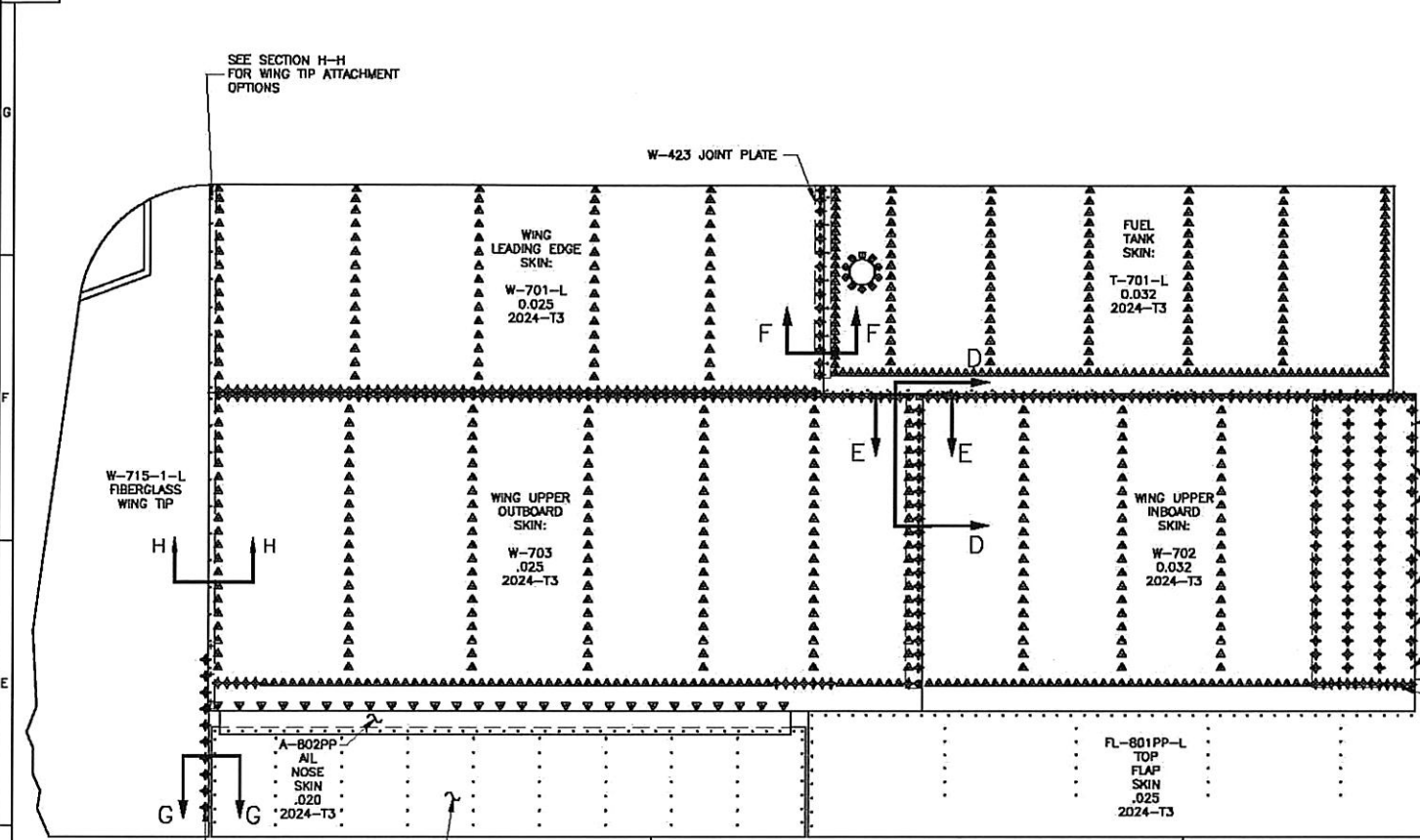
ANTI-HANG-UP GUIDES  
MAKE FROM (.1/2 WIDE) .020  
OR .025 2024-T3

TRAP DOOR  
MAKE FROM .020 2024-T3  
(APPROX 1.75x1.75)

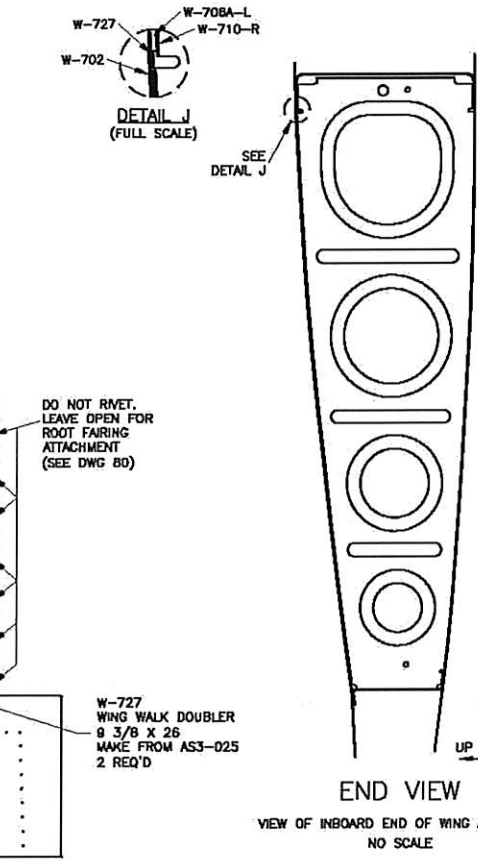
WING TANK ALTERATION FOR INVERTED FUEL SYSTEM

DATE DRAWING: 4/21/00	UNITS: INCHES	SCALE: AS NOTED	DWG NO: RV-7
DRAWN BY: RAN JOHNSON	TOLERANCES: NOT GIVEN (UNLESS OTHERWISE SPECIFIED)	SCALE: AS NOTED	DWG NO: DWG
REVISED INFORMATION SHEET 4/21/00	VAN'S AIRCRAFT, INC. 14401 NE 4 AURORA, 97002, 1		

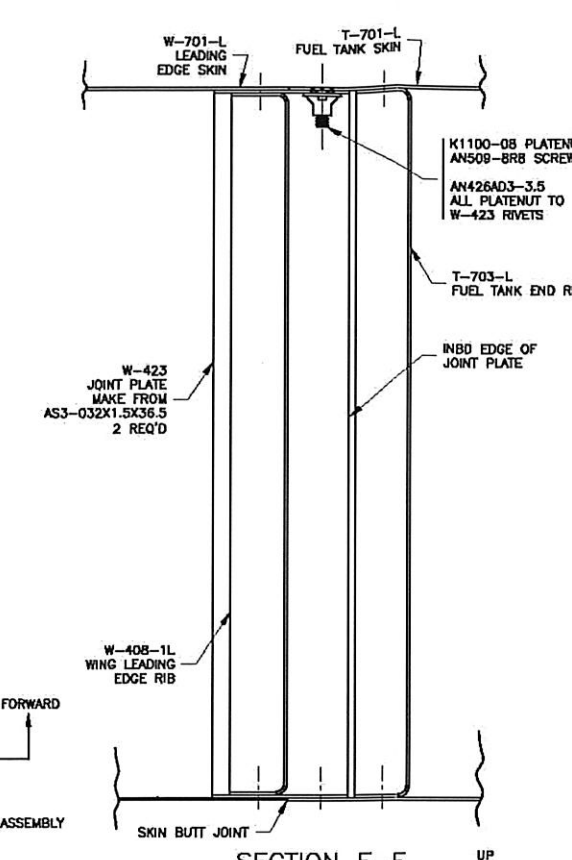




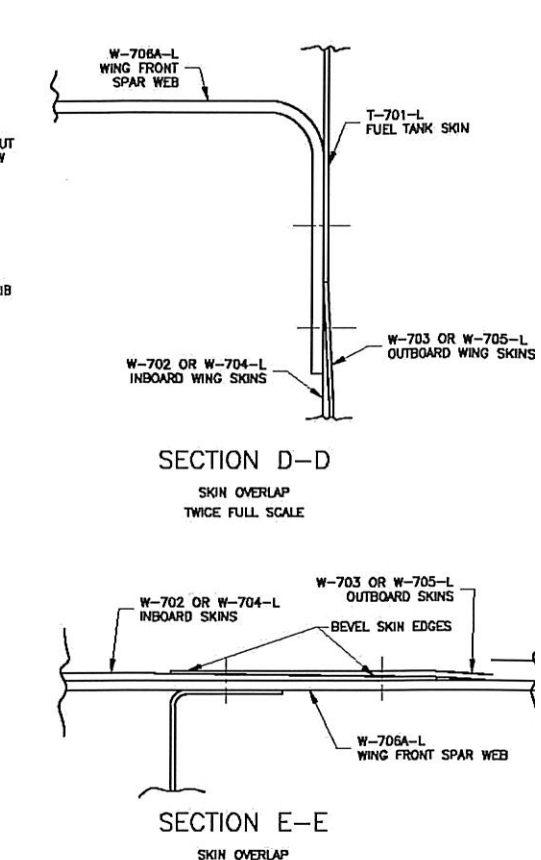
TOP VIEW  
LEFT WING SHOWN  
1/8 SCALE



END VIEW  
VIEW OF INBOARD END OF WING ASSEMBLY  
NO SCALE



SECTION F-F  
JOINT PLATE ATTACH  
FULL SCALE



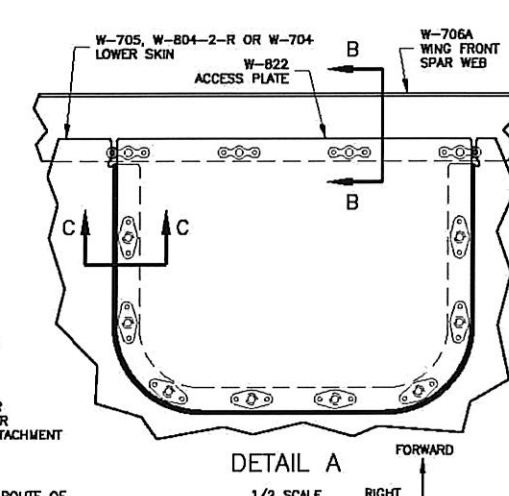
SECTION D-D  
SKIN OVERLAP  
TWICE FULL SCALE

SECTION E-E  
SKIN OVERLAP  
TWICE FULL SCALE

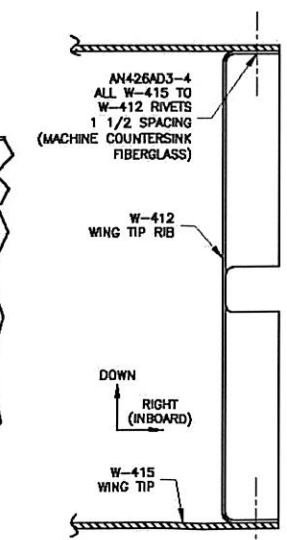
- RIVET LEGEND**
- ▲ AN426AD3-3
  - ▲ AN426AD3-3.5
  - ▲ AN426AD3-4
  - ▲ AN426AD3-4.5
  - ▲ AN426AD3-5
  - ▲ AN426AD3-6
  - ▲ AN426AD3-7
  - AN426AD4-4
  - AN426AD4-5
  - AN426AD4-6
  - AN426AD4-7
  - AN426AD4-8
  - AN426AD4-9
  - AN470AD4-4
  - AN470AD4-5
  - AN470AD4-6
  - AN470AD4-7
  - AN470AD4-8
  - AN470AD4-9
  - ★ CS4-4
  - ★ LP4-3

DO NOT RIVET. LEAVE OPEN FOR FUSELAGE CENTER BOTTOM SKIN ATTACHMENT (SEE DWG 80)

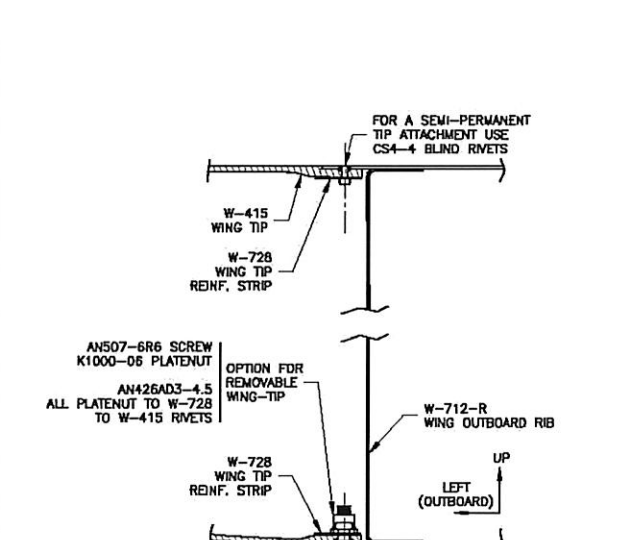
APPROX. ROUTE OF REAR SEAT AIR VENT, RIGHT WING ONLY (HOSE PASSES THROUGH LIGHTENING HOLE IN WING RIB)



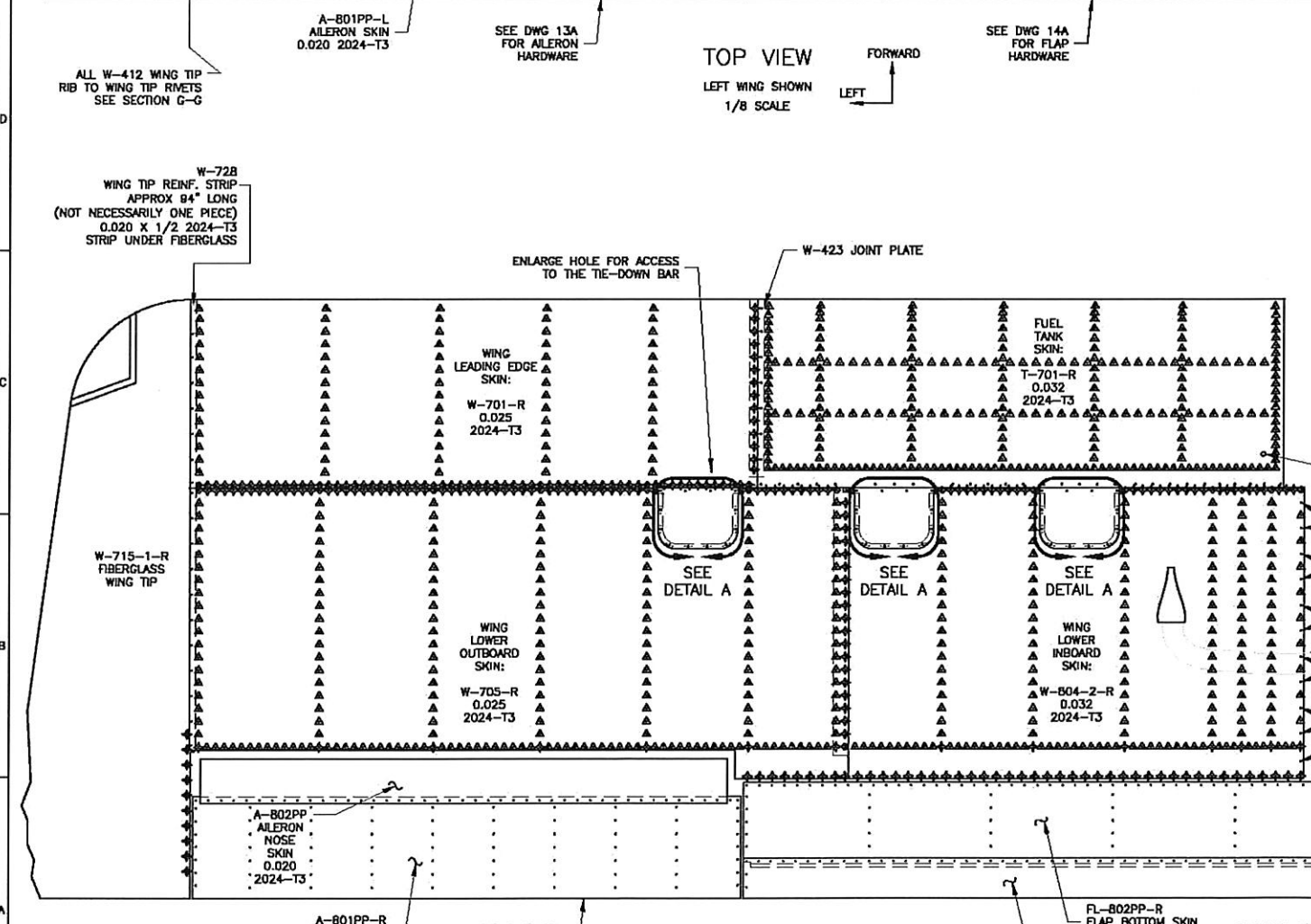
DETAIL A  
1/2 SCALE



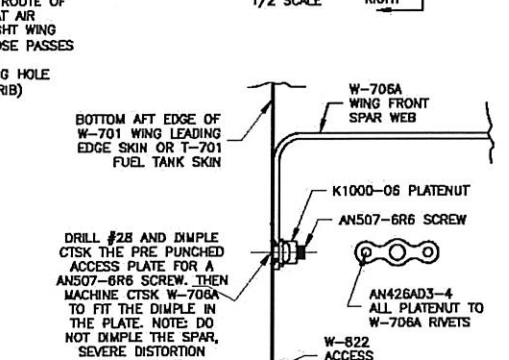
SECTION G-G  
WING TIP RIB ATTACH  
FULL SCALE



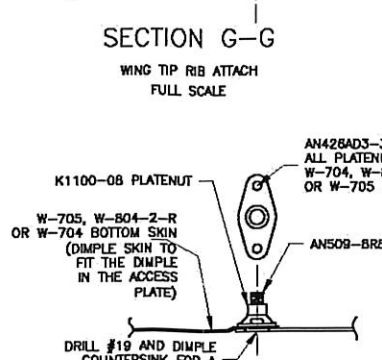
SECTION H-H  
WING-TIP ATTACH  
FULL SCALE



BOTTOM VIEW  
RIGHT WING SHOWN  
1/8 SCALE



SECTION B-B  
ACCESS PLATE INSTALLATION  
FULL SCALE



SECTION C-C  
ACCESS PLATE INSTALLATION  
FULL SCALE

DATE DRAWN: 4/21/00

DRAWN BY: RAN JOHNSON

TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)

PATH/FILENAME: F:\RV-8\2 OTHER PLANS\RV8-17A.DWG

14461 NE # AURORA, 87002

**VAN'S AIRCRAFT, INC.**

**WING RIVETS AND SKINS**

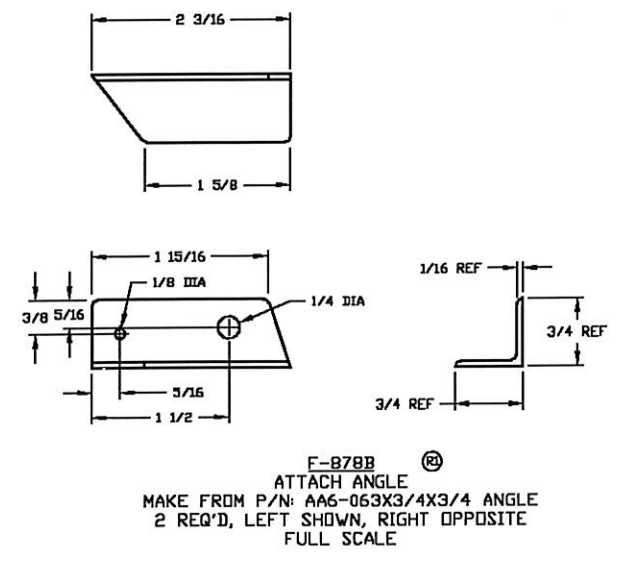
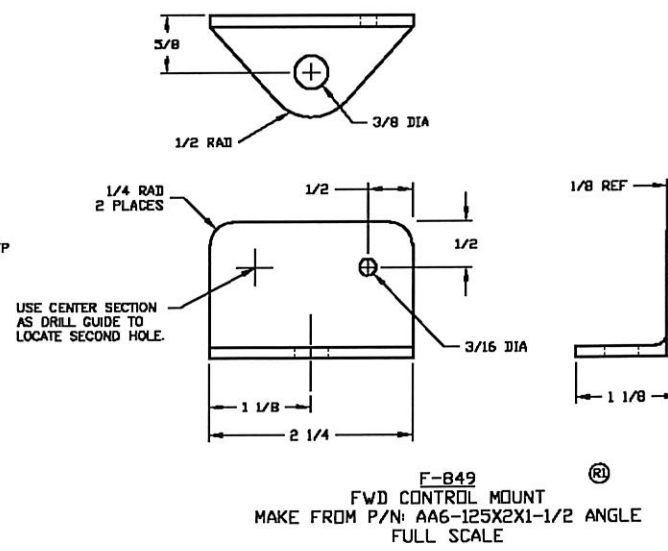
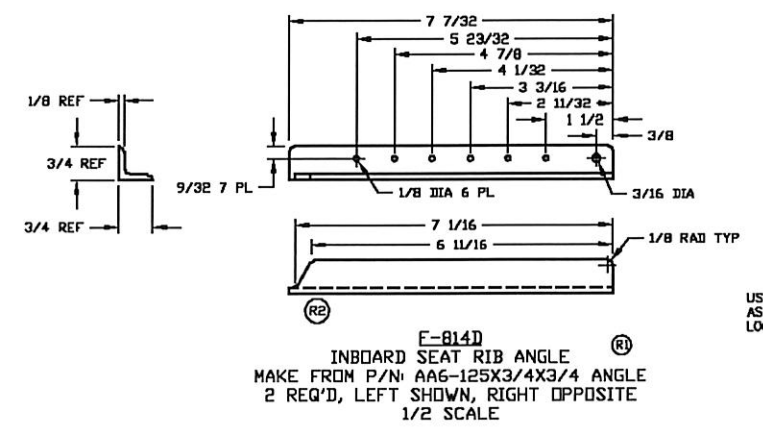
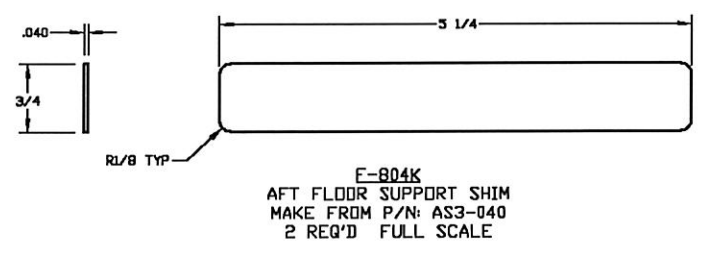
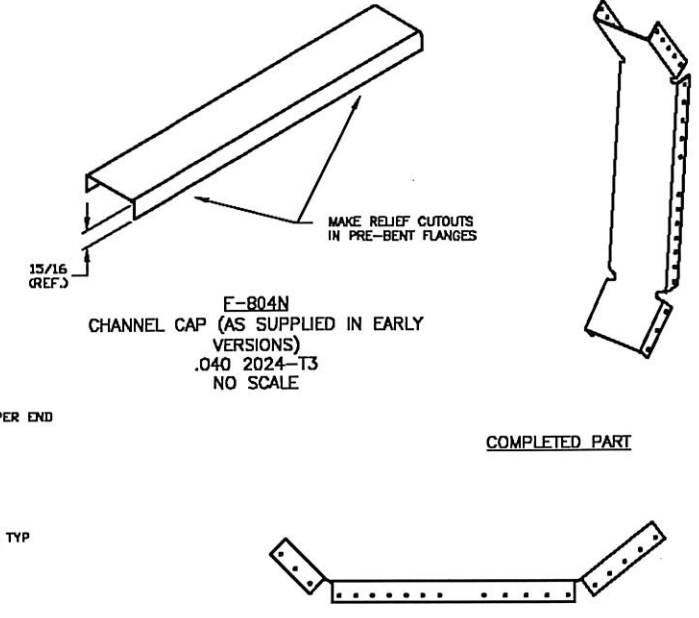
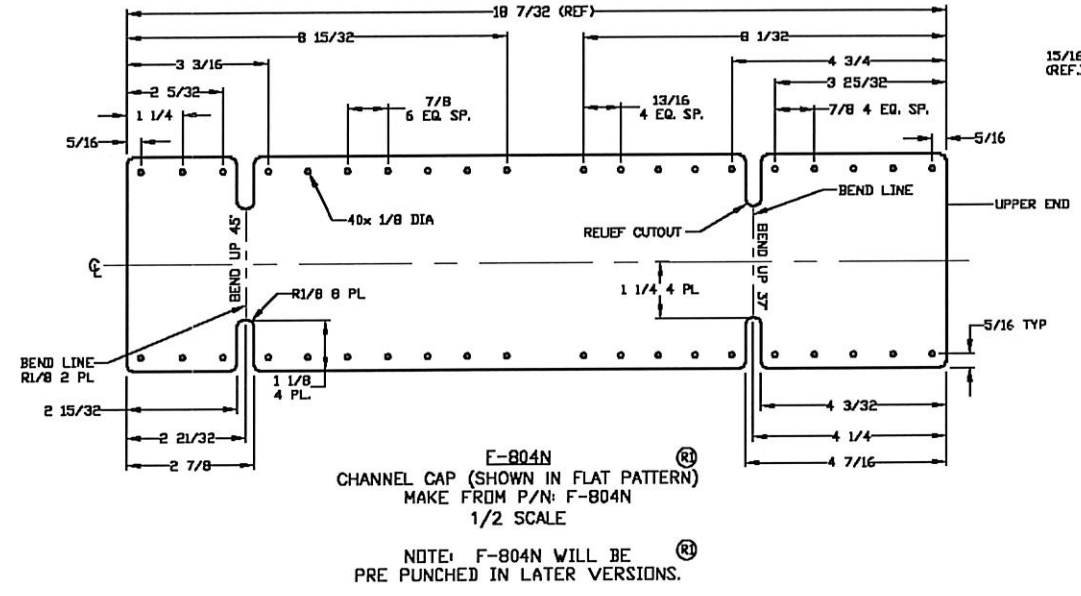
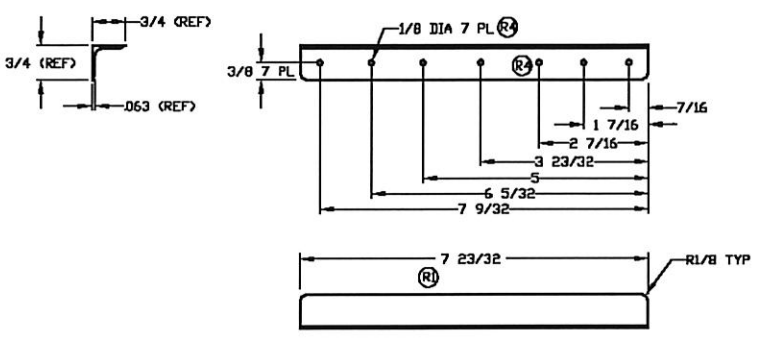
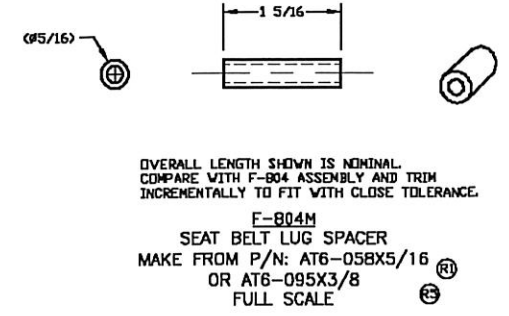
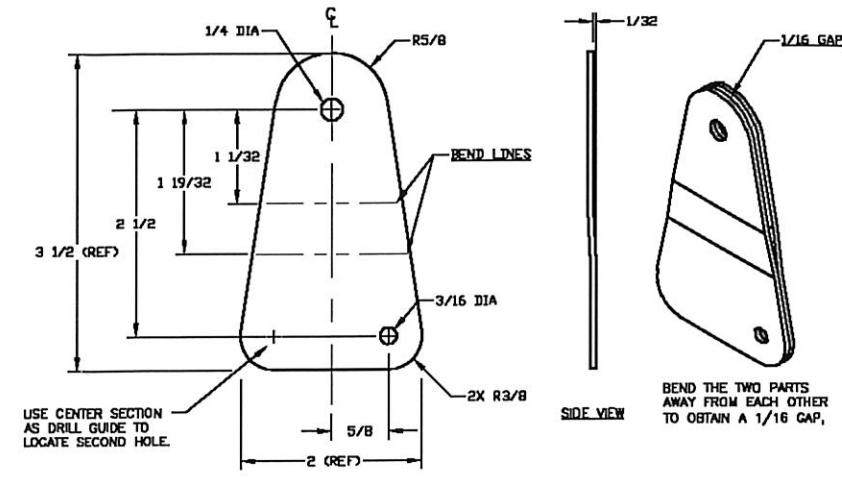
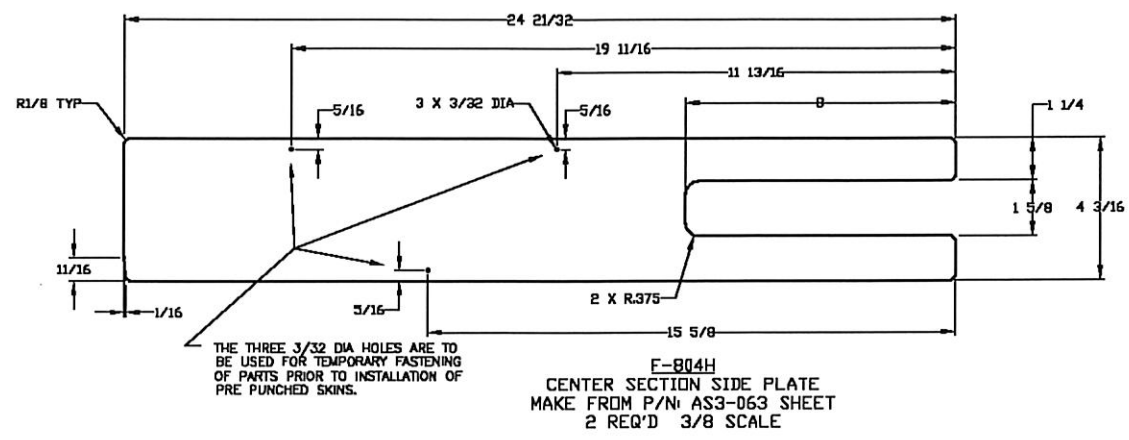
UNITS: INCHES

SCALE: AS NOTED

RV-8

D-SIZE OR DWG





R7	ZINC DI: 1/4 DIA WAS 3/16 DIA	3/2
R6	F-814D DETAIL VIEW: 3 23/32 WAS 3 31/32, 4 7/8 WAS 3 1/4, 4 1/2 WAS 4 1/8, 3 3/16 WAS 3 1/8, 2 11/32 WAS 2 3/16, 1 1/2 WAS 1 1/4, 3 3/16 WAS 3 1/8, 1 11/32 WAS 1 1/4, 1 1/2 WAS 1 1/4	7/17
R5	F-878B DETAIL VIEW: 2 3/16 WAS 1 21/32, 1 15/16 WAS 1 23/32, 1/2 WAS 1 9/32	6/23
R4	AT6-058X5/16 WAS BUSHING .055 X 3/8 X 1 7/16	8/19
R3	REMOVED 3/16 HOLE THAT WAS FOR RV-8 ONLY AND ADDED 1/8 HOLE	11/18
R2	ADDED MATERIAL CALL-OUT	8/19
R1	REMOVED HOLES IN F-814D ANGLE	8/19
	ADDED: F-814D-L, F-849, F-878B-L, F-804N NOTE ABOUT PRE PUNCHED VERSION. F-804J-L WAS SHORTENED AND REDIMENSIONED. CHANGED: F-804-T1 F-804M P/N WAS AT6-095X3/8	2/21

DATE DRAWN: 10/15/98

DRAWN BY: PHILIP RYALL

TOLERANCES: NOT GIVEN (UNLESS OTHERWISE SPECIFIED)

PATH\FILNAM: Q:\RV-8\2 OTHER PLANS\RV-8.DWG

VAN'S AIRCRAFT, INC. 14401 NE 10 ALBORA, 97006 U.S.A.

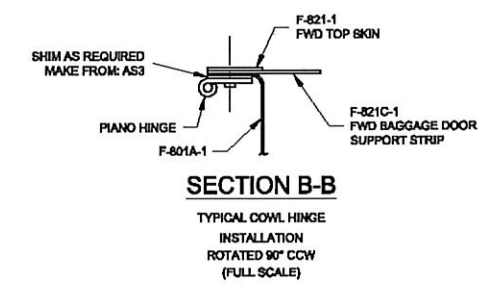
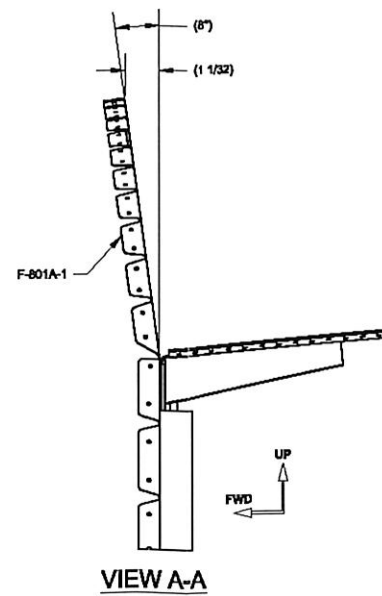
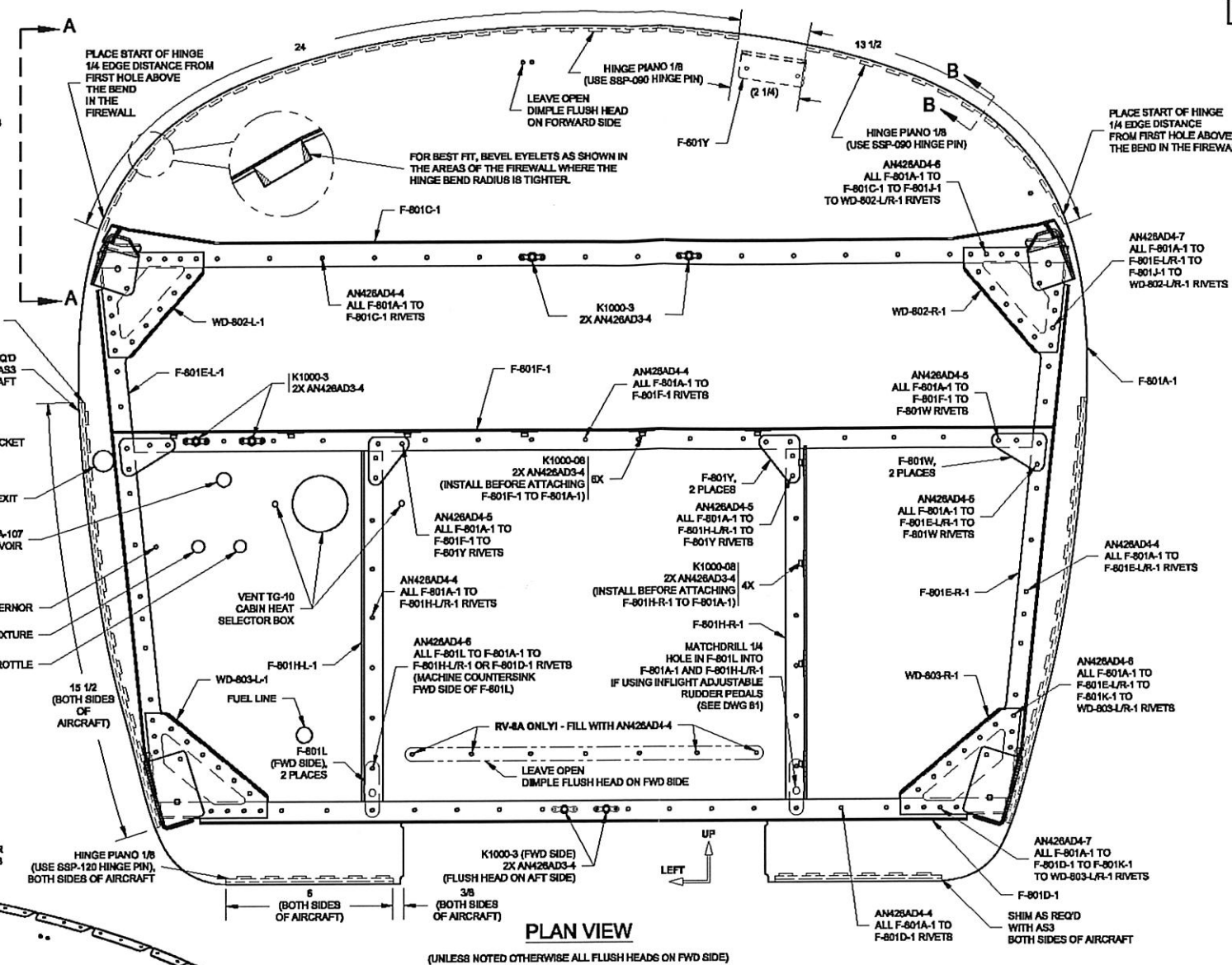
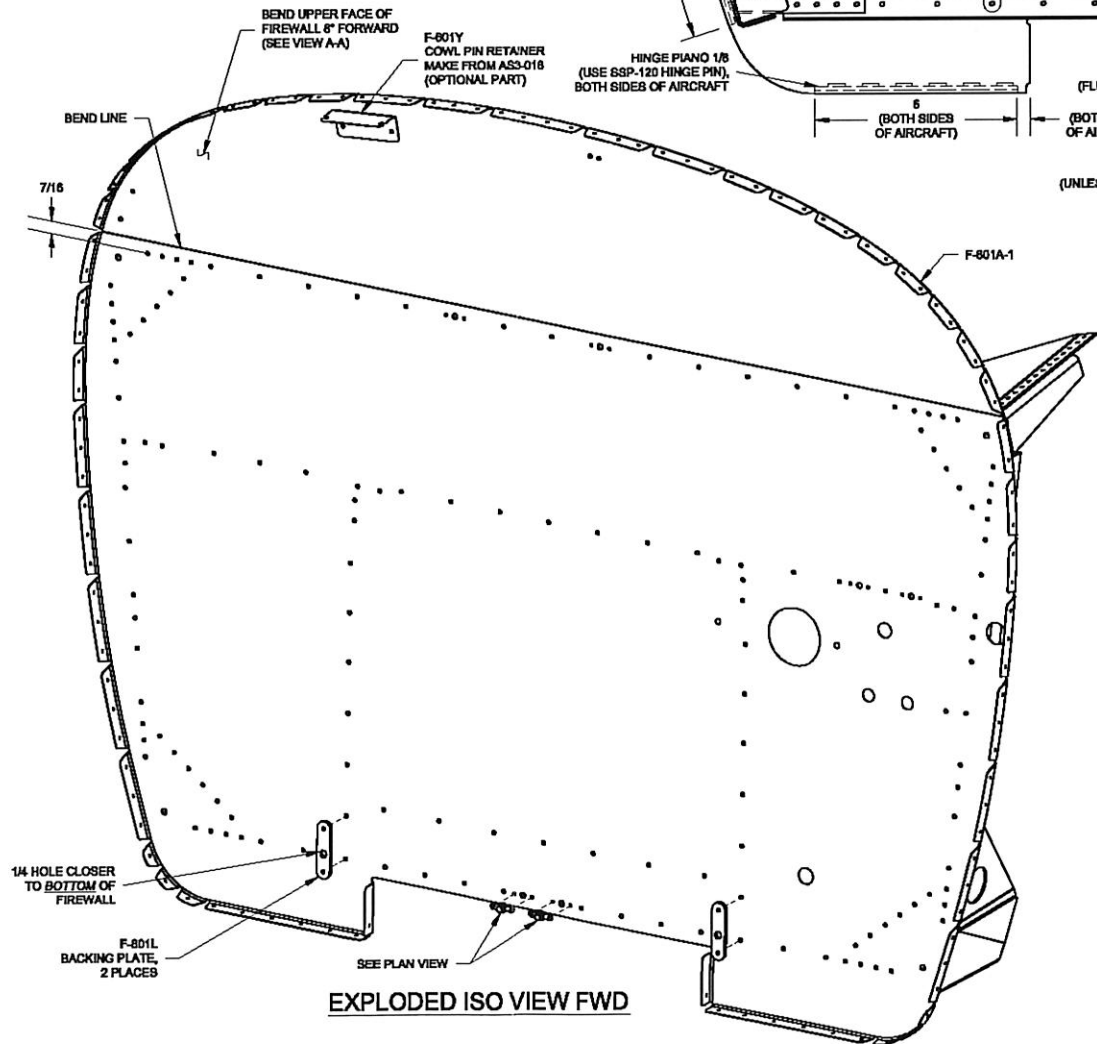
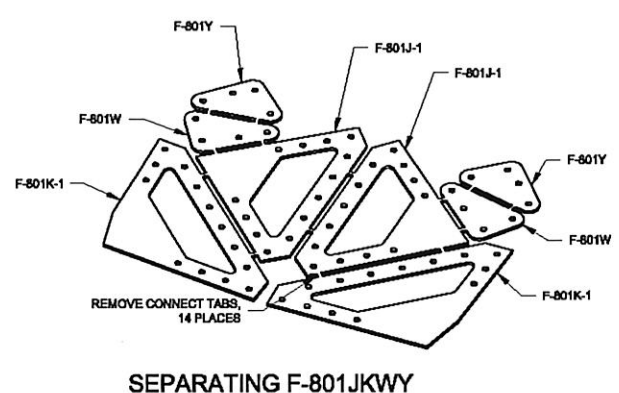
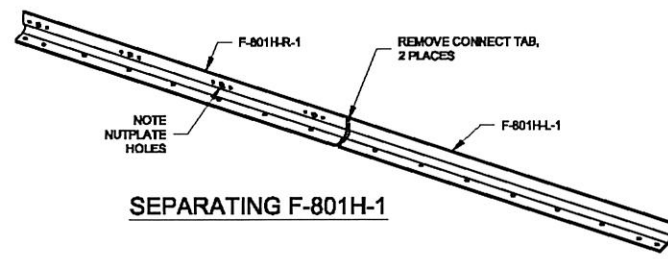
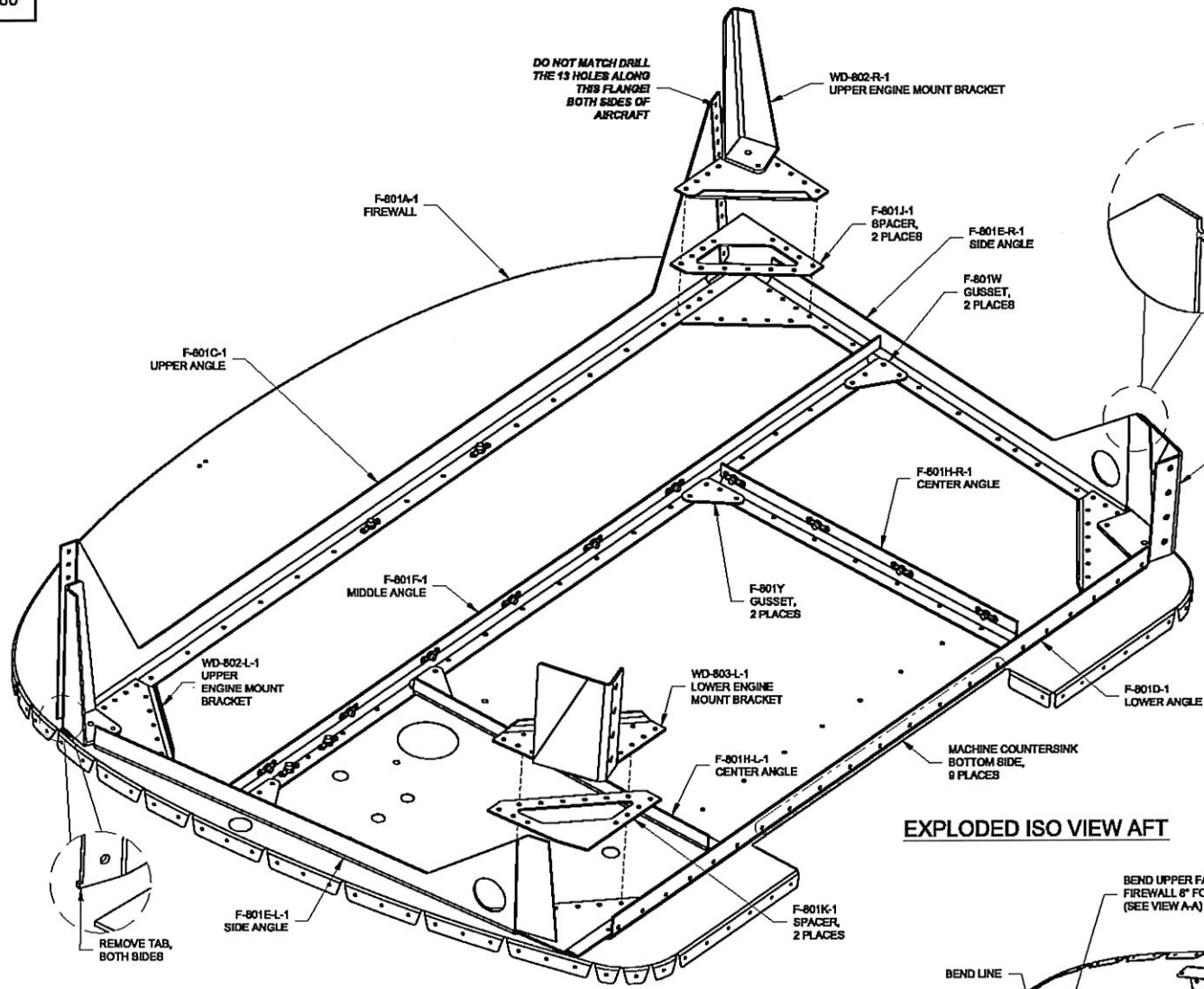
MISC. PARTS

UNITS: INCHES

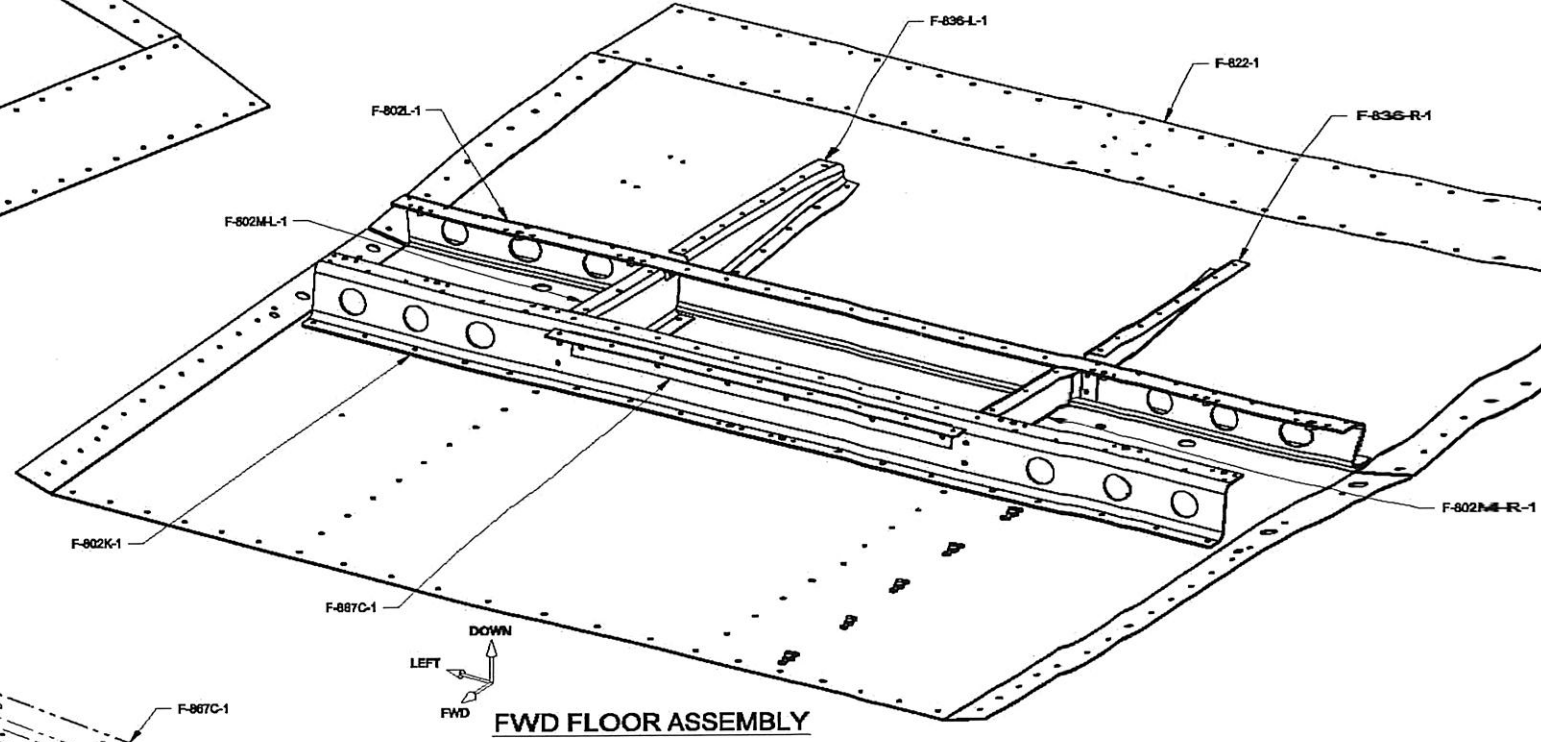
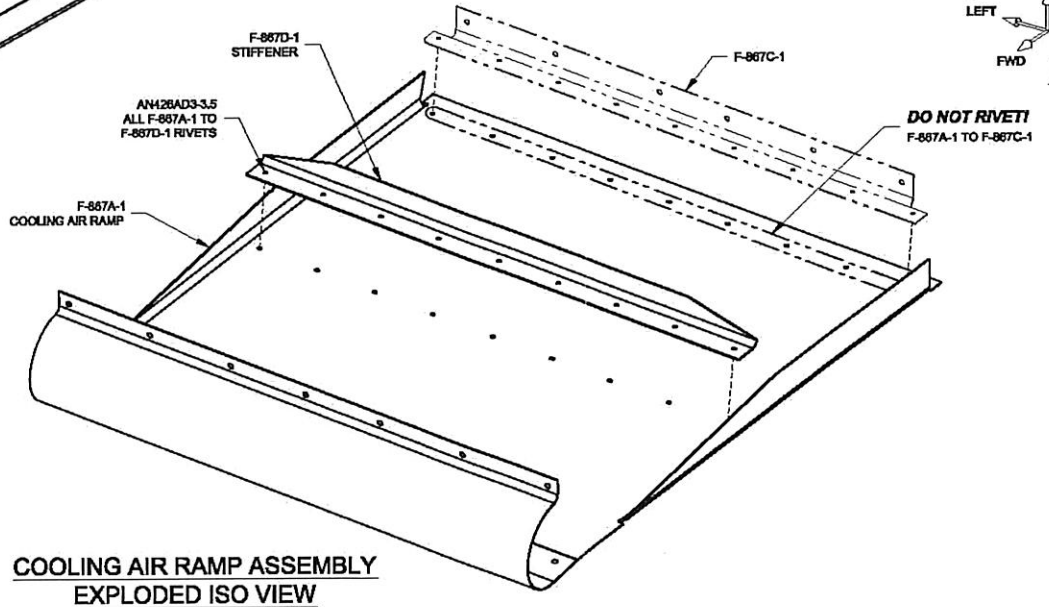
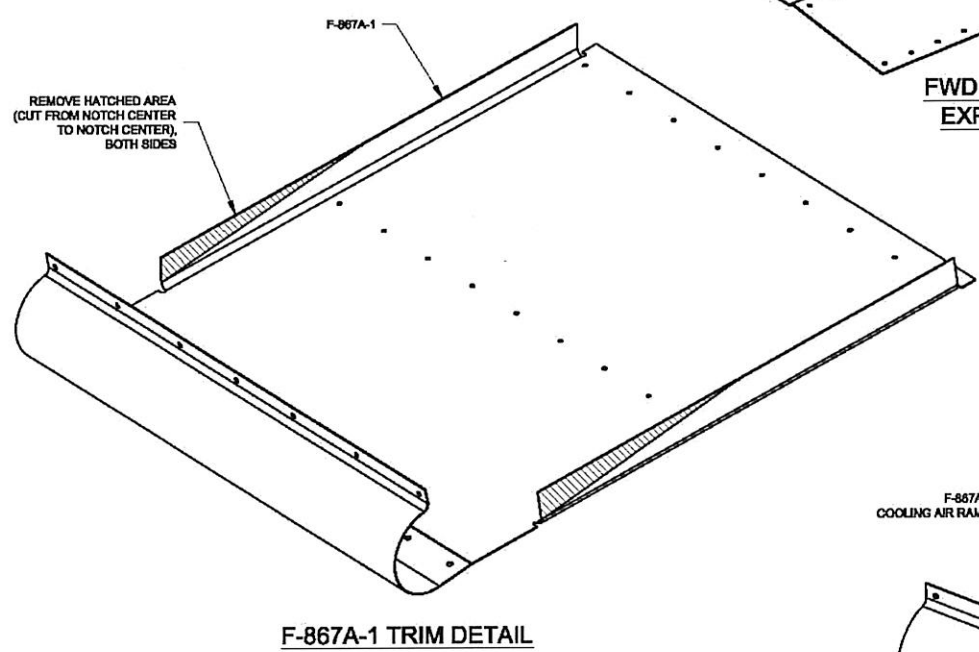
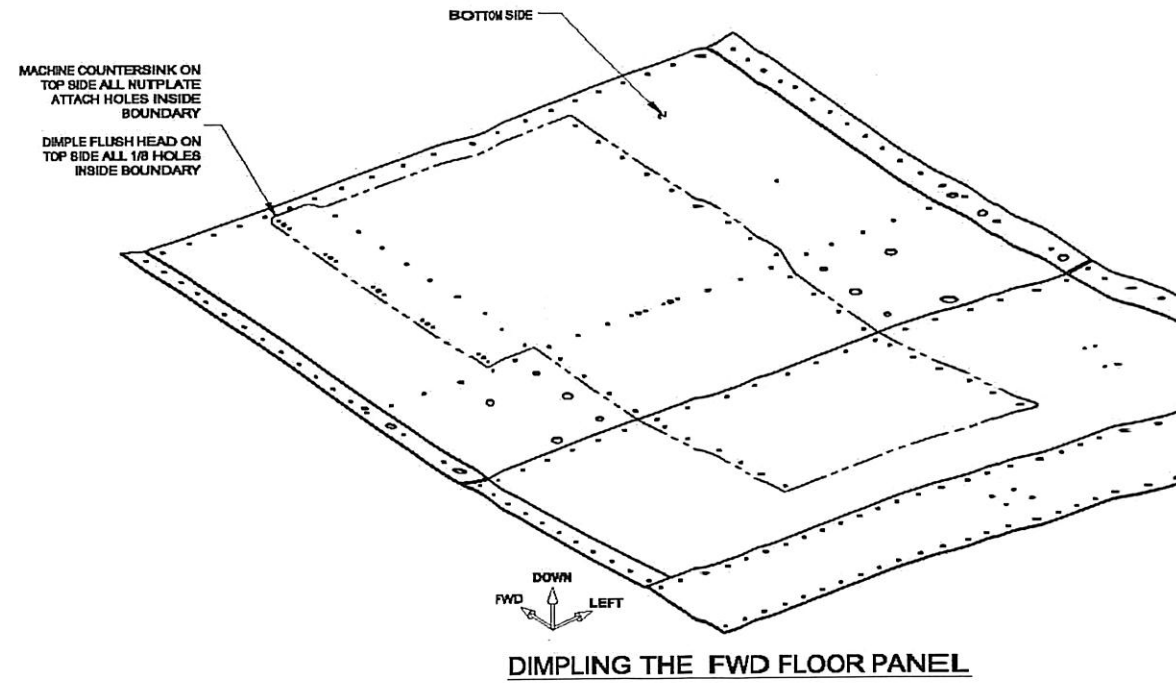
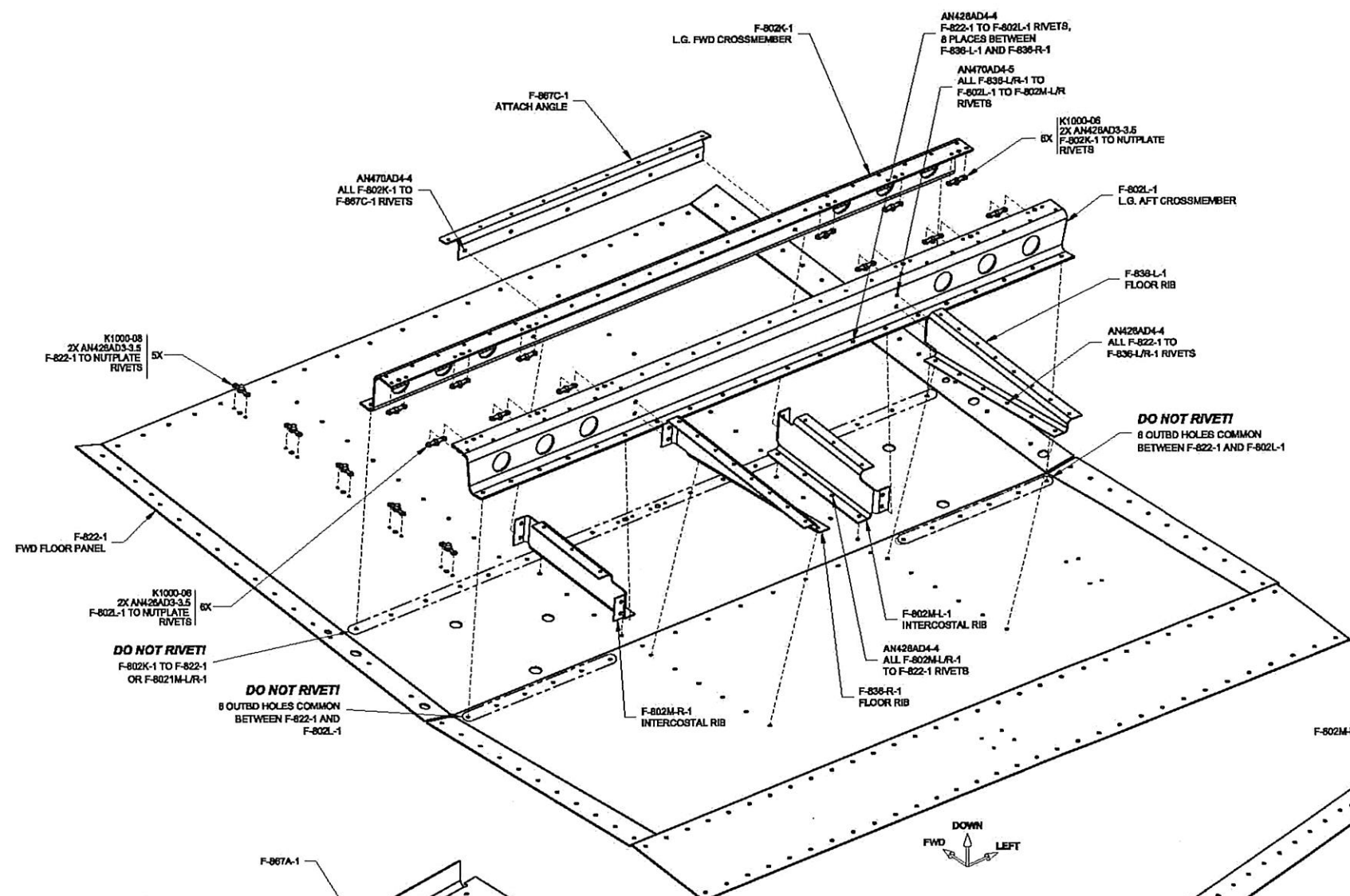
SCALE: AS NOTED

RV-8

DWG

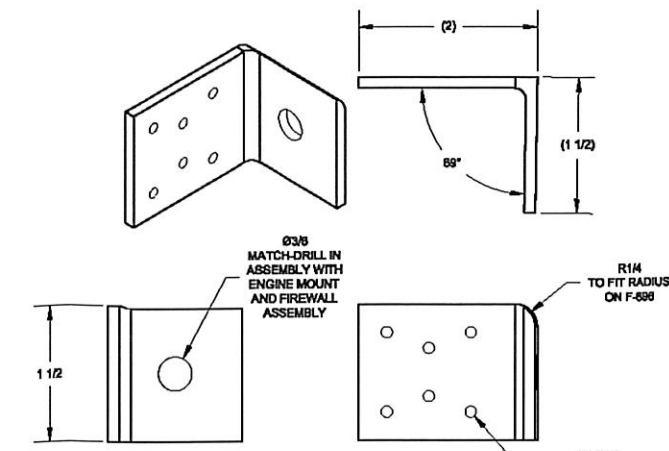
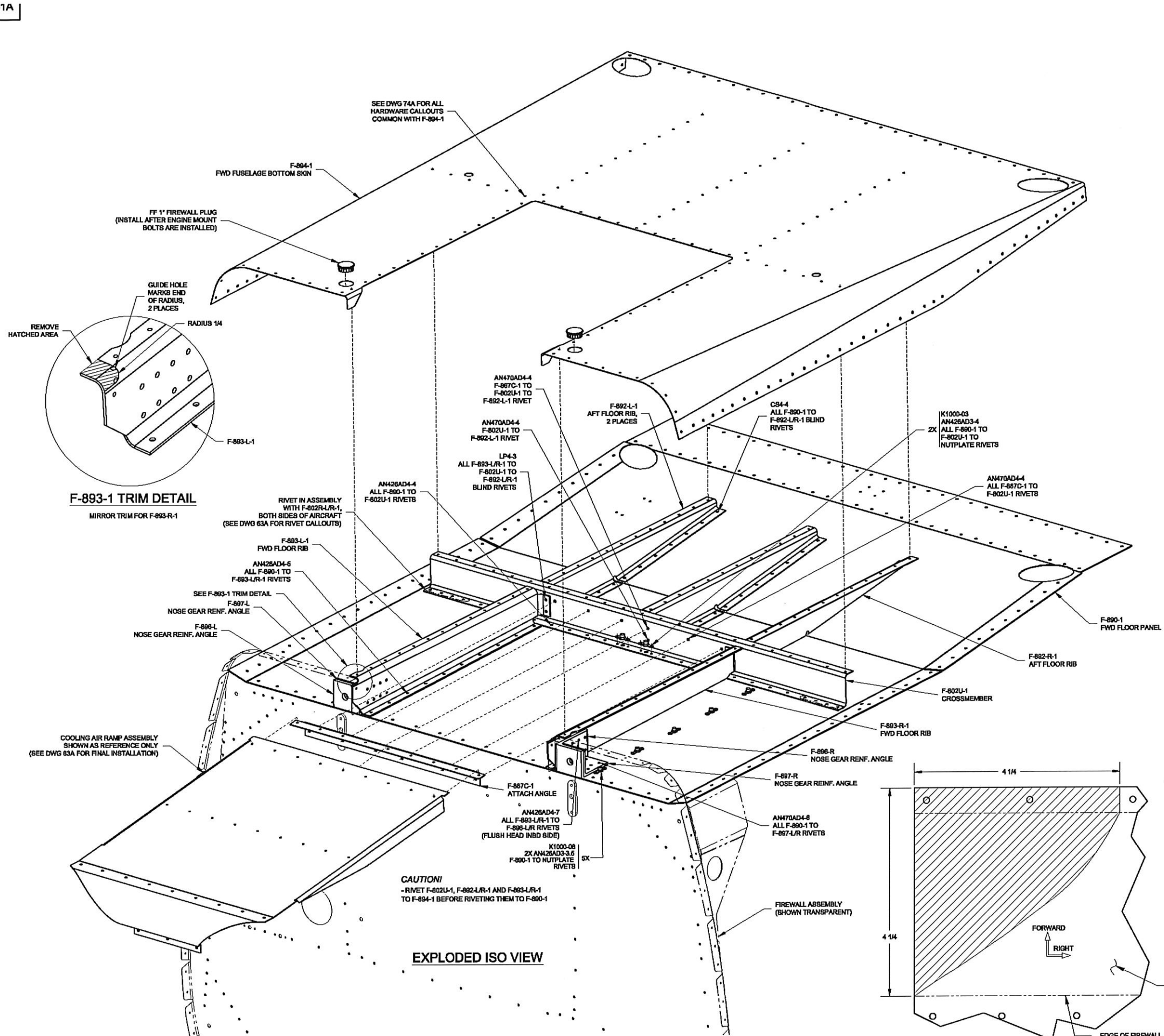


		VAN'S AIRCRAFT, INC. 14401 NE KE AURORA, CO 80045
<b>FIREWALL</b>		
DATE: 2/10/06	UNITS: INCHES	RV-8
DRAWN BY: RYAN JOHNSON	SCALE: AS NOTED	D-SIZE OR
TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)		DWG
PATH: FILENAME: Q:\RV-8\OTHER\PLANS\RV-8-DW-60.DWG		



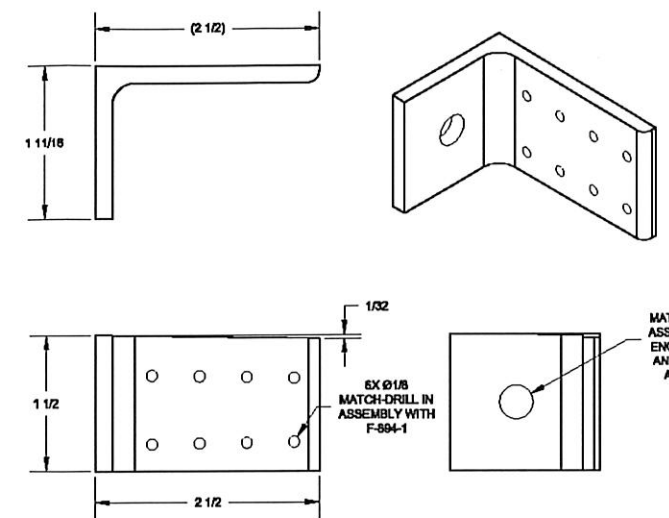
	VAN'S AIRCRAFT
	FWD
DATE DRAWN: 6/22/05	UNITS: INCHES
DRAWN BY: RIAN JOHNSON	SCALE: AS NOTED
TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)	
PART: QSRV-85Z CTR-FLRPLNSRVB-61 61A	





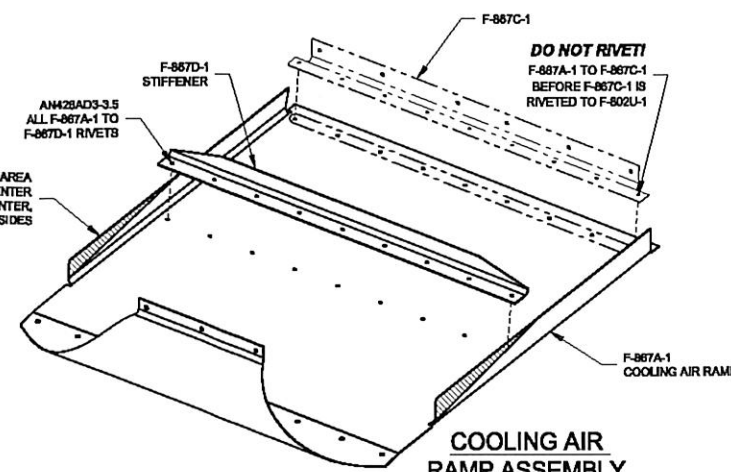
F-897-L NOSE GEAR REINF. ANGLE

MAKE FROM P/N: A46-125x1-1/2x2  
2 REQ'D 1/2 SCALE  
RIGHT PART IS A MIRROR OF THE LEFT

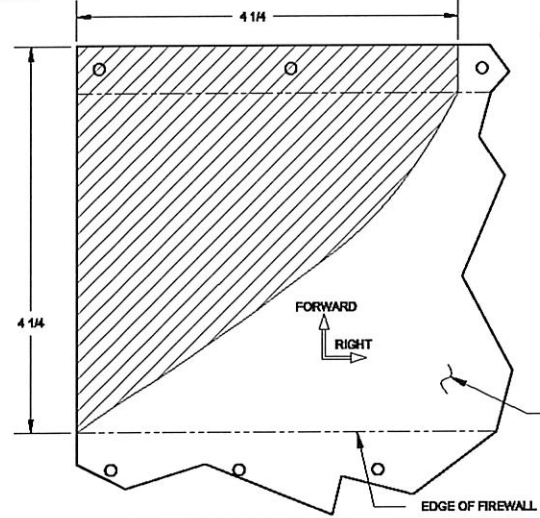


F-896-L NOSE GEAR REINF. ANGLE

MAKE FROM P/N: A48-188x2x2-1/2  
2 REQ'D, 1/2 SCALE  
RIGHT PART IS A MIRROR OF THE LEFT



COOLING AIR RAMP ASSEMBLY EXPLODED ISO VIEW

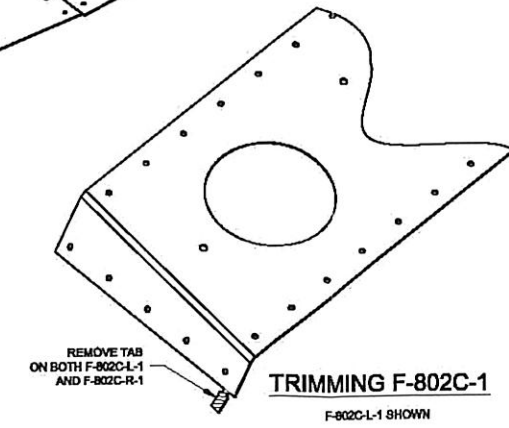
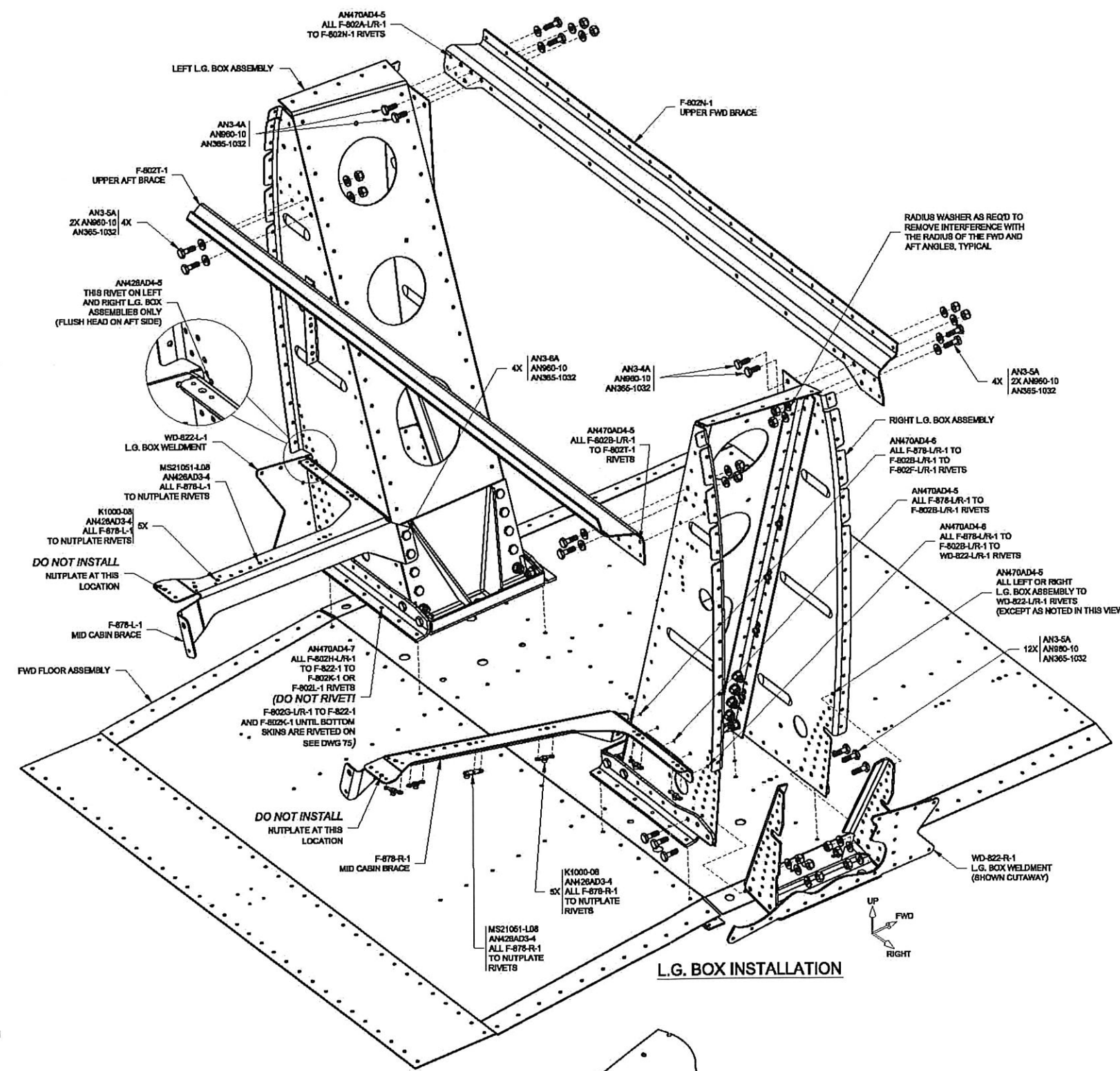
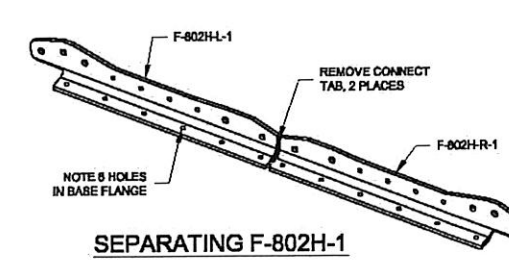
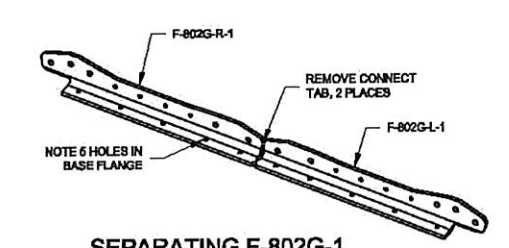
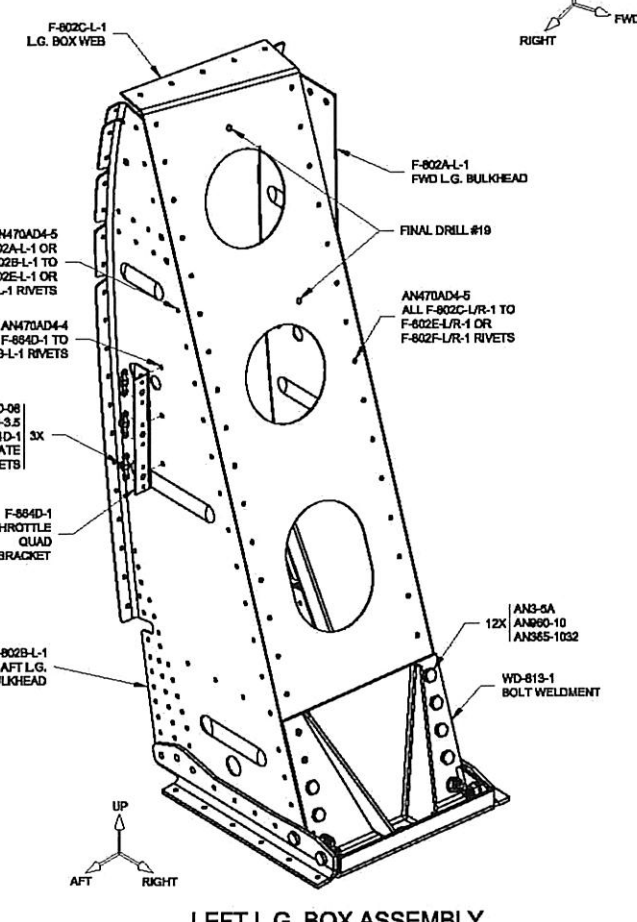
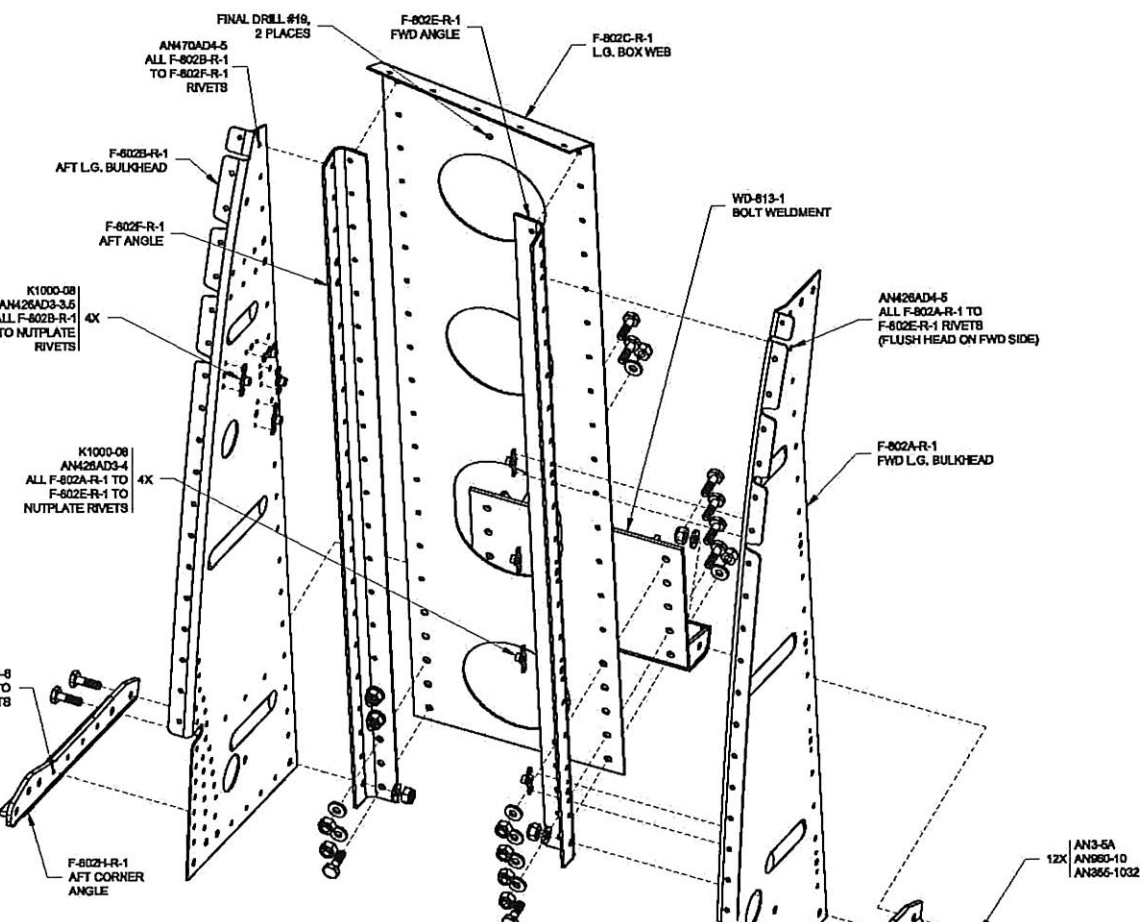


F-867A-1 TRIM TEMPLATE

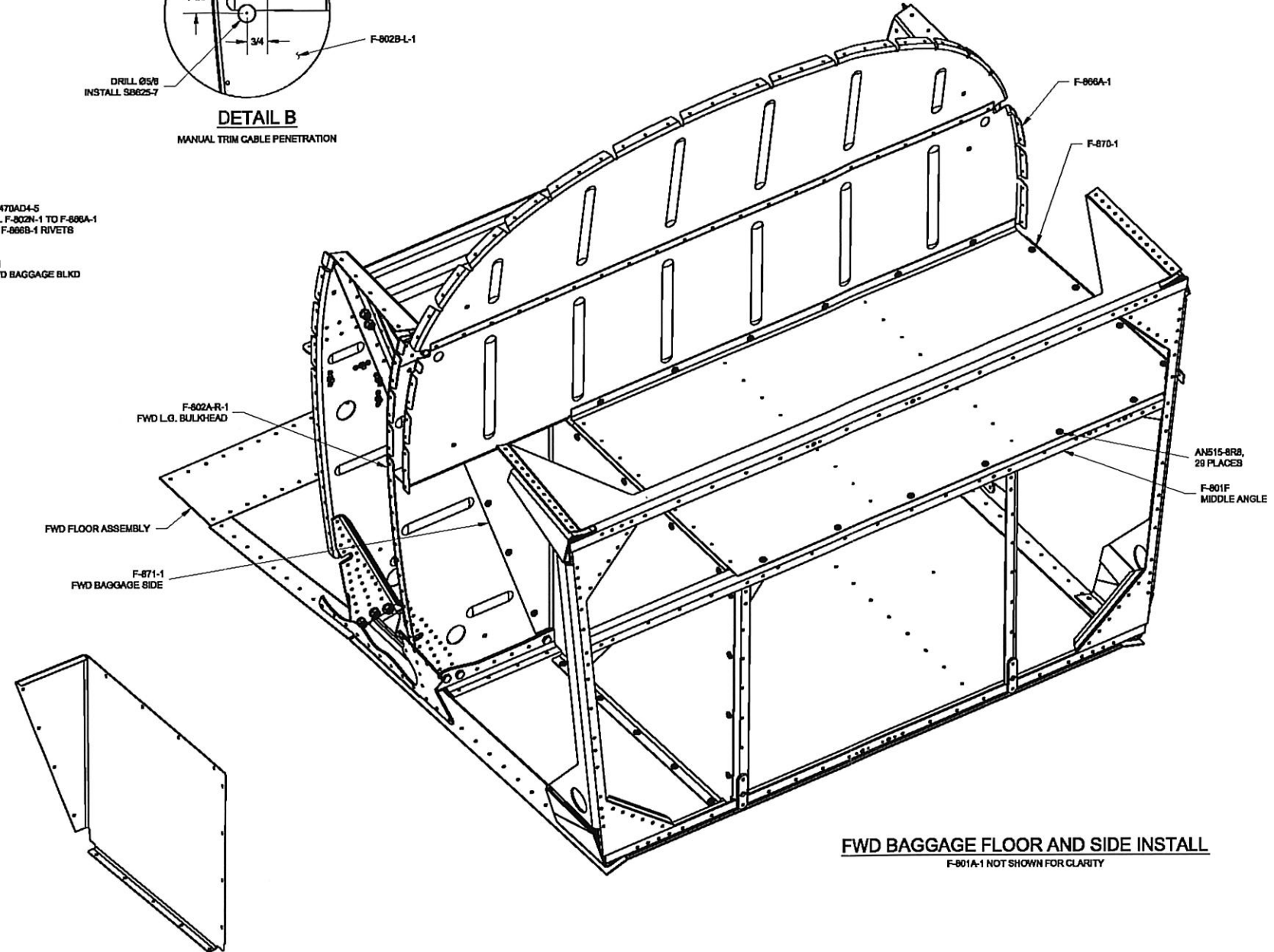
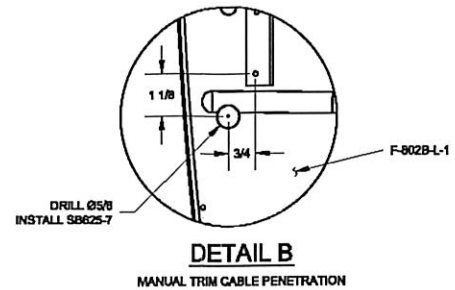
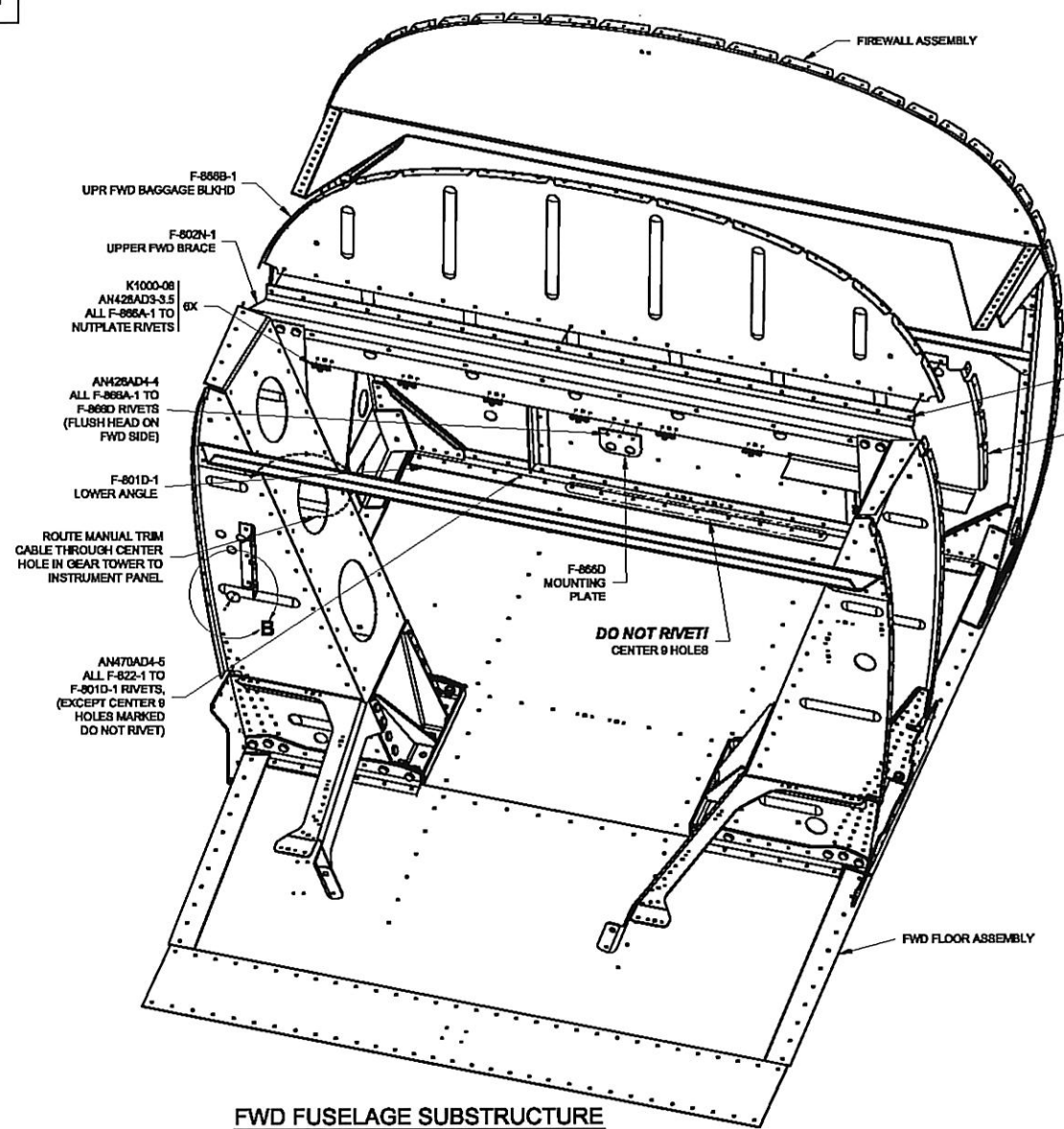
MAKE TEMPLATE FROM SHADED AREA  
SHOWN FLAT FOR CLARITY  
FULL SCALE

EXPLODED ISO VIEW

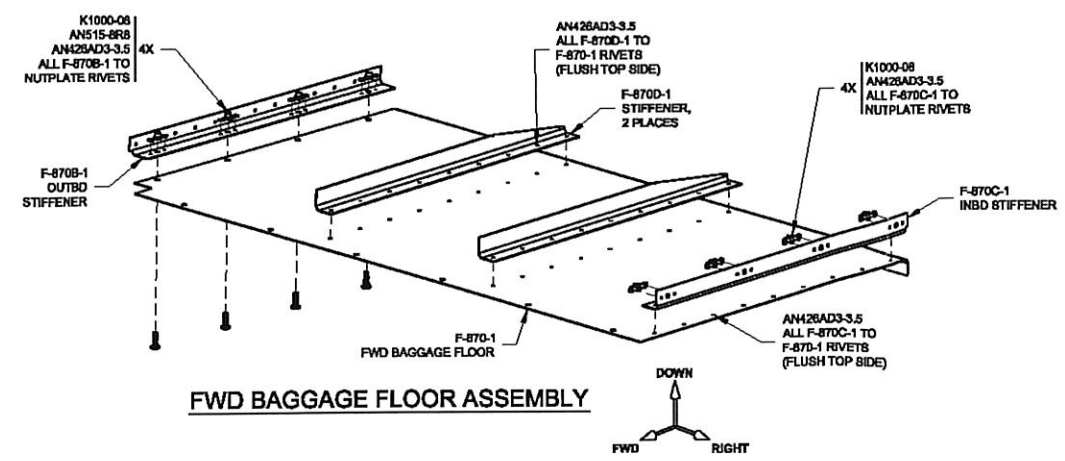
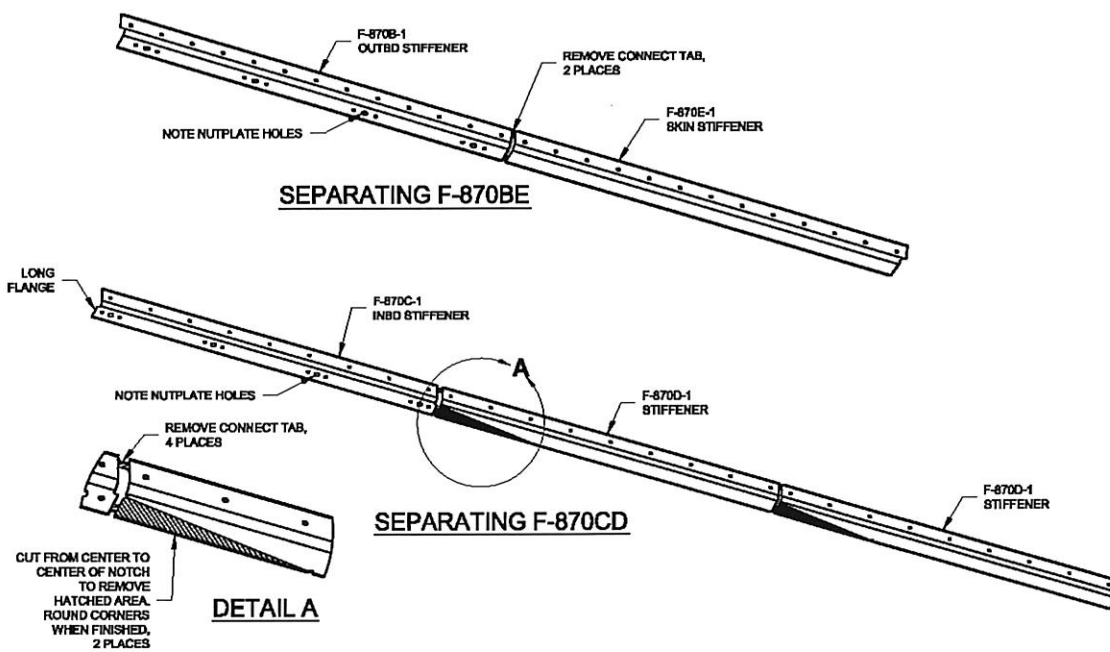
		<b>VAN'S AIRCRAFT, INC.</b> <small>14401 NE KEL. AURORA, O 47002 USA</small>	
<b>FWD FLOOR ASSY</b>			
DATE DRAWN: 6/22/05	UNITE: INCHES	RV-8A	
DRAWN BY: RYAN JOHNSON	TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)	SCALE: AS NOTED	D-SIZE OR GP
PART: Q394-BZ OTHER PLANS RV-81 61ARV8-61A.BLDGRW		DWG 6	



		<b>VAN'S AIRCRAFT, INC.</b> 14401 NE KELLY AVE. ALBUQUERQUE, NM 87123 USA
<b>L.G. BOX ASSEMBLY</b>		
DATE DRAWN: 6/22/05 DRAWN BY: RYAN JOHNSON TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED) PATH: C:\V\92\OTHER\PLANS\RV8\925.DWG	UNITS: INCHES SCALE: AS NOTED	REV: 8 D-SIZE ORGN DWG

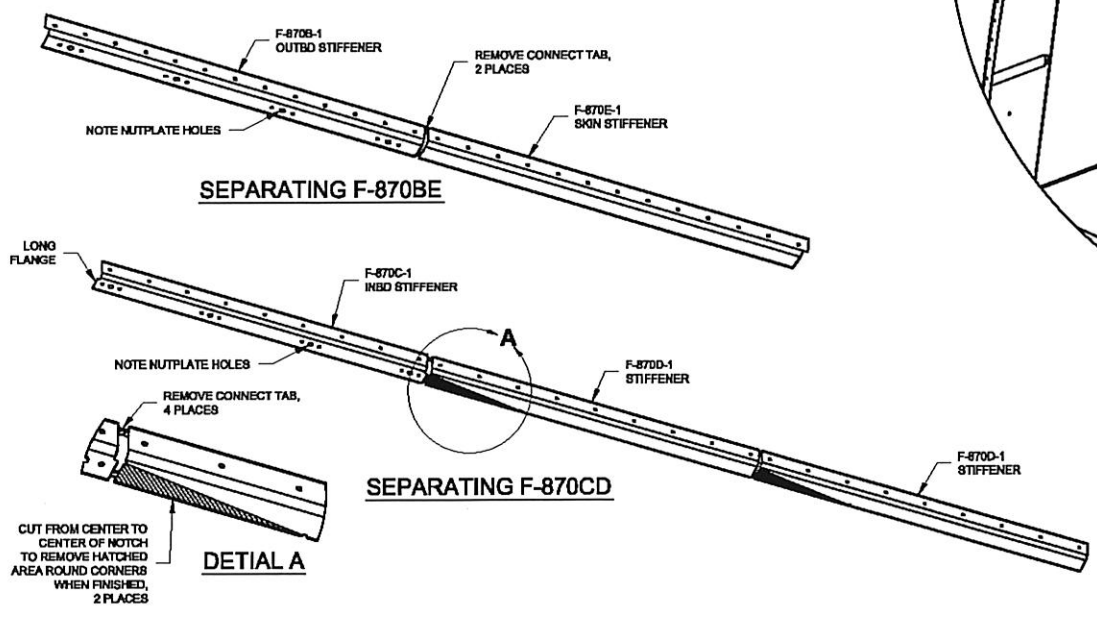
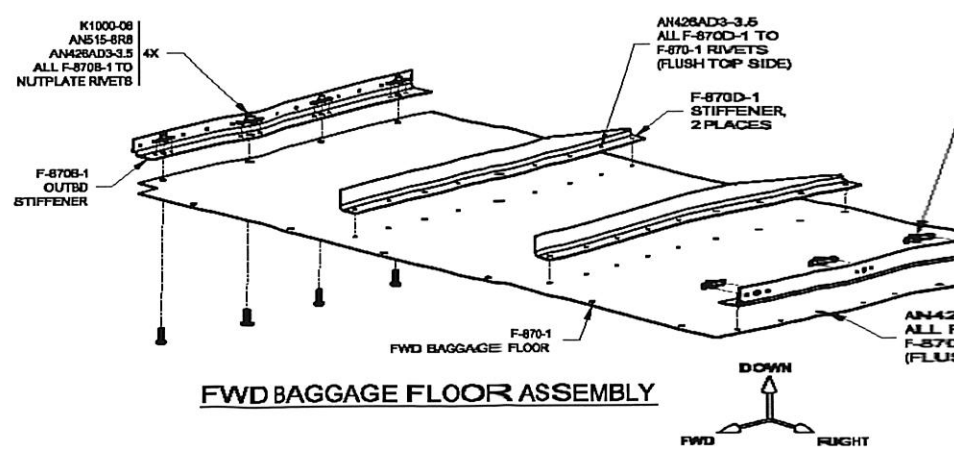
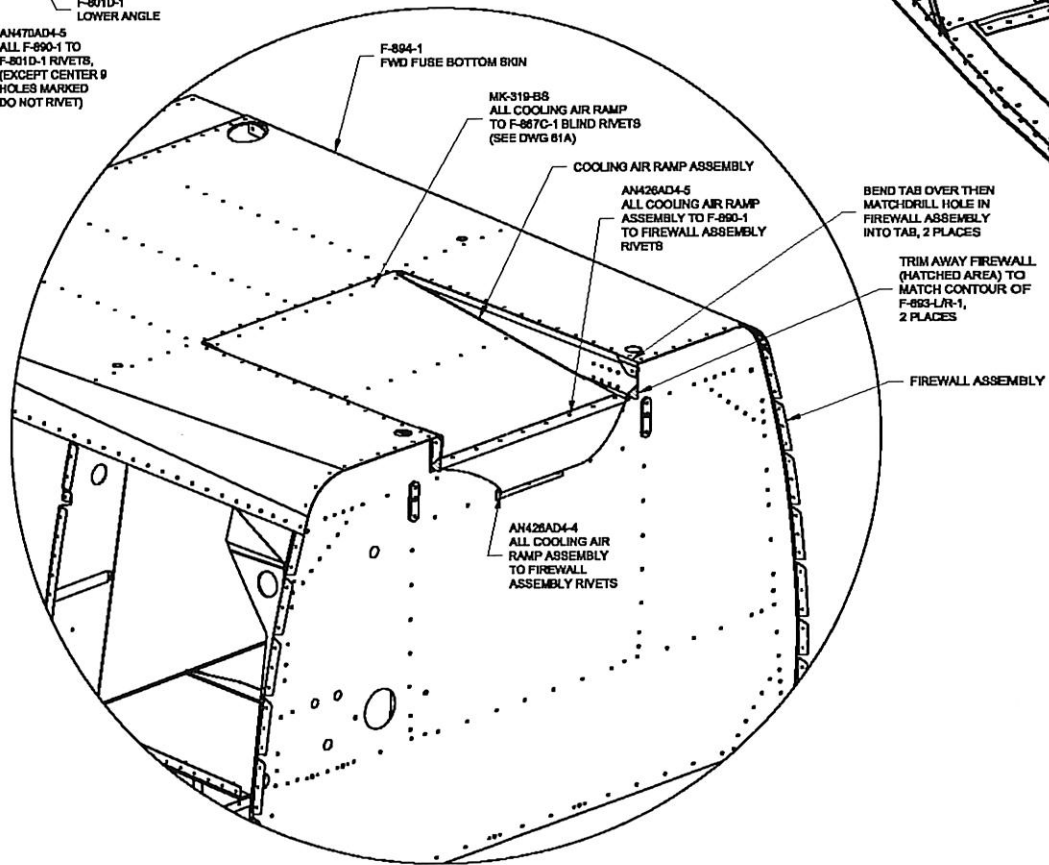
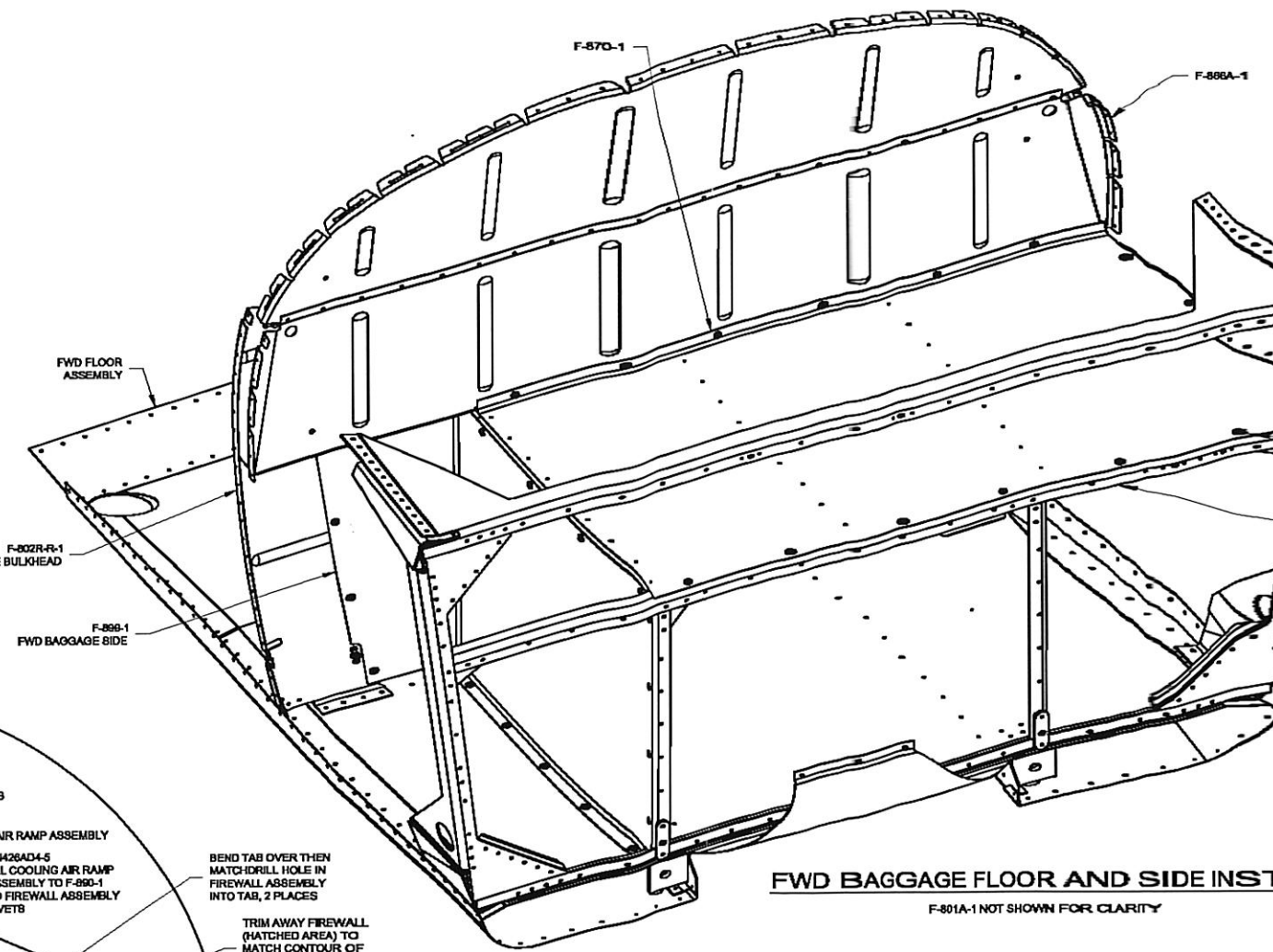
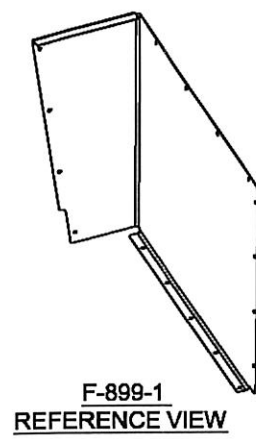
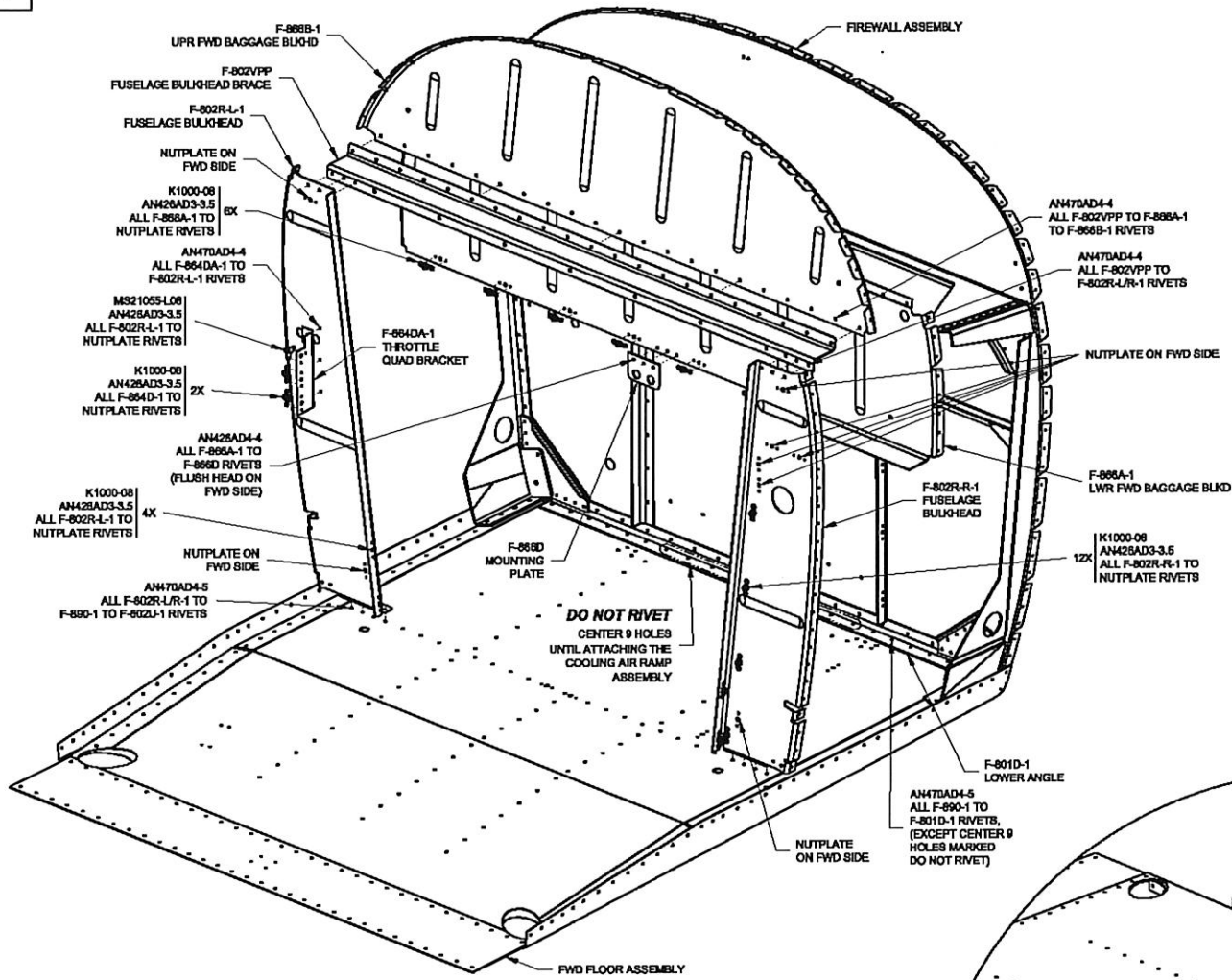


F-871-1 REFERENCE VIEW

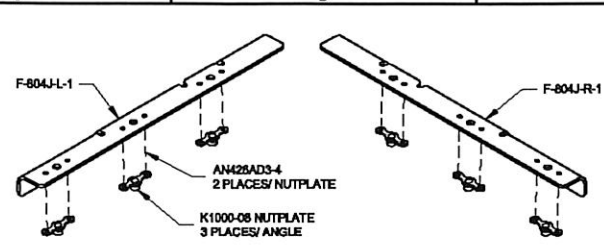


R17ZONE G6: ADDED MANUAL TRIM CABLE HOLE LOCATION		1/2
VAN'S AIRCRAFT, INC.		14401 NE 16 AURORA 97002 U
<b>FWD FUSE SUB-STRUCTURE</b>		
DATE DRAWN: 8/22/05	UNITS: INCHES	RV-8
DRAWN BY: RIAN JOHNSON	TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)	SCALE: AS NOTED
PATH: Q:\RV-8Z OTHER\PLANS\FV8-83RV8-83.DWG		D-822Z ORG
		<b>DWG</b>

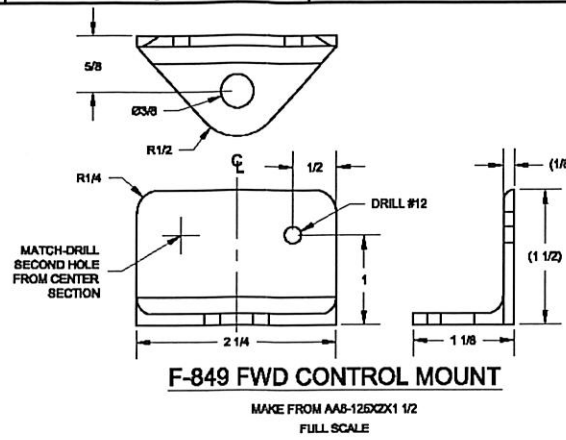




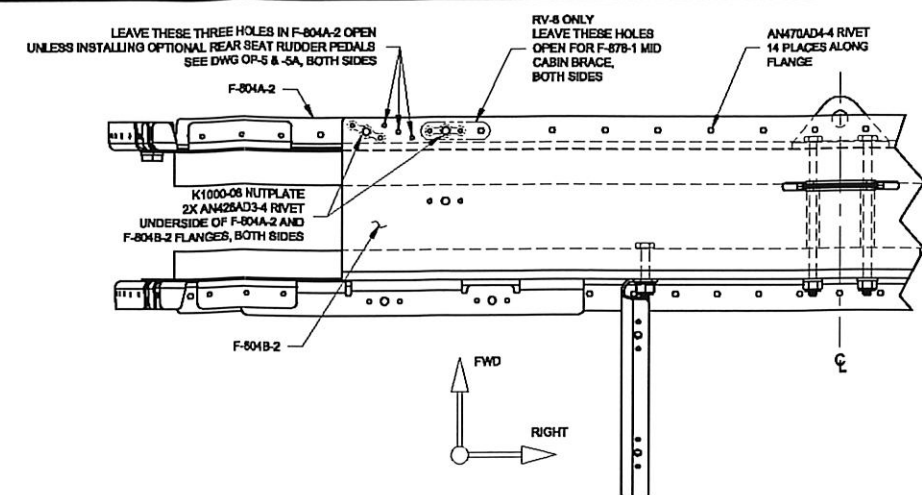
		VAN'S AIRCRAFT	
DATE DRAWN: 8/22/05		UNITS: INCHES	
DRAWN BY: RAN JOHNSON		SCALE: AS NOTED	
TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)		PART: Q4RV-6Z OTHER PLANS 63 63A/63B	



F-804J-L-1 & -R-1 AFT FLOOR SUPPORT ANGLES

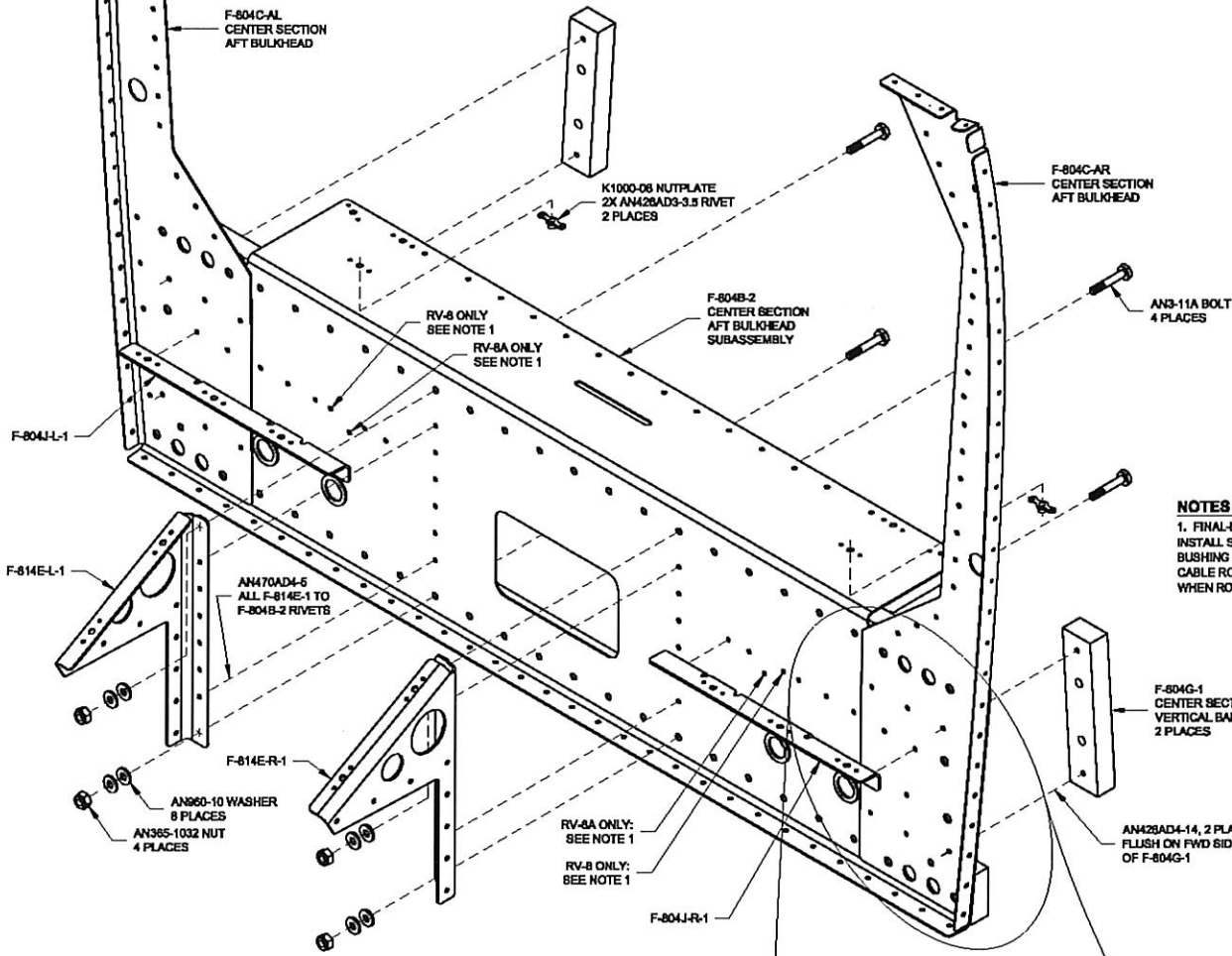


F-849 FWD CONTROL MOUNT



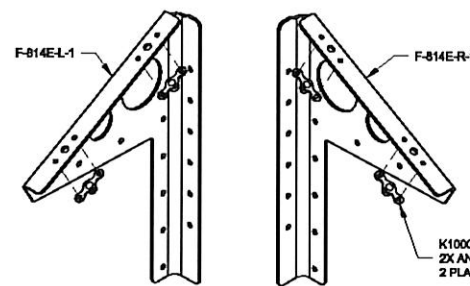
CENTER SECTION ASSEMBLY

TOP VIEW

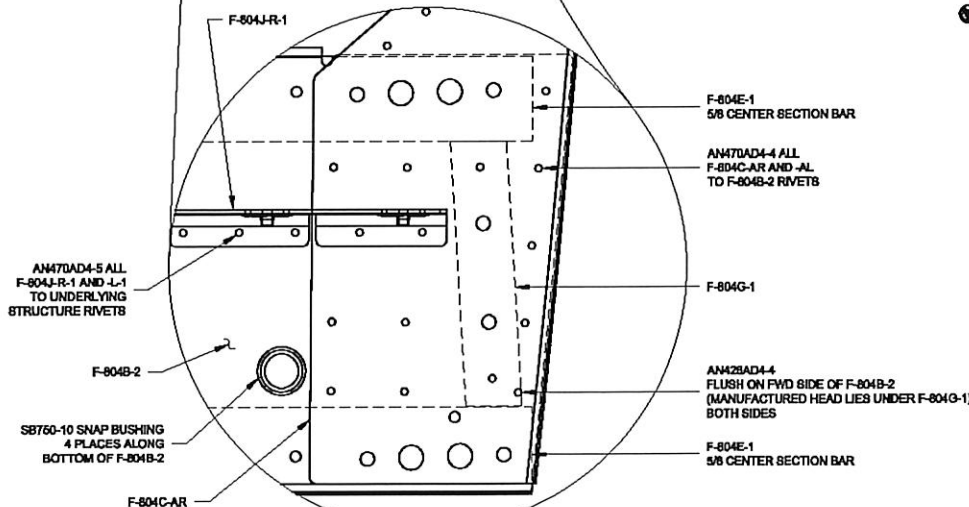


F-804B-2 ASSEMBLY

EXPLODED VIEW

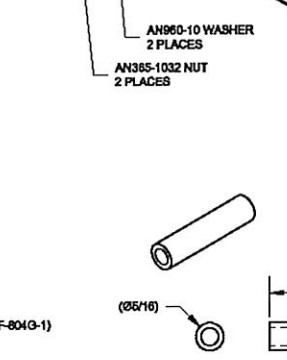


F-814E-L-1 & -R-1 SEAT RAMP SUPPORTS

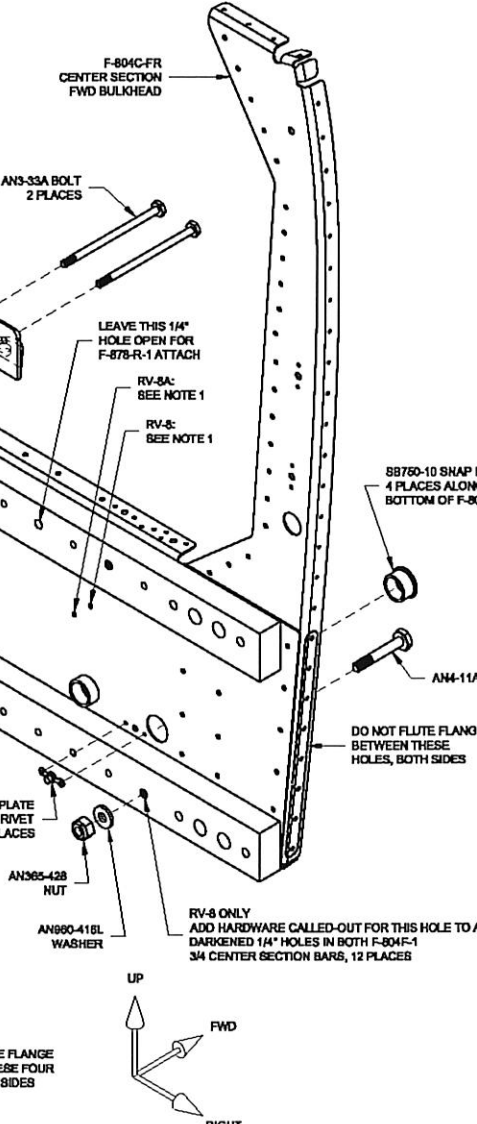


F-804M SEAT BELT LUG SPACER

MAKE FROM ATB-058X5/16 FULL SCALE (OVERALL LENGTH SHOWN IS NOMINAL TRIM INCREMENTALLY TO FIT CENTER SECTION ASSEMBLY WITH CLOSE TOLERANCE.)



**NOTES :**  
 1. FINAL-DRILL 0.625, INSTALL S8750-6 SNAP BUSHING FOR RUDDER CABLE ROUTING. INSTALL WHEN ROUTING CABLE.

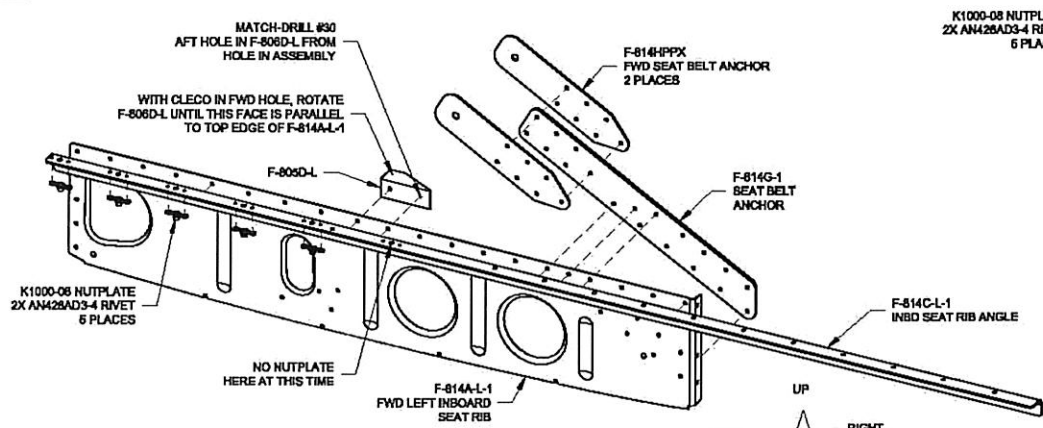


CENTER SECTION ASSEMBLY

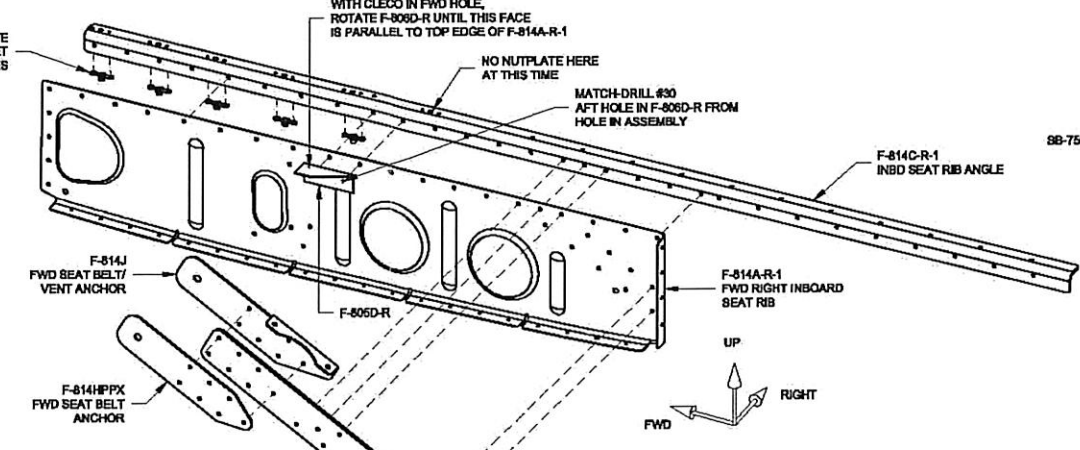
EXPLODED VIEW

		VAN'S AIRCRAFT, INC. 14401 NE KE AURORA, IA 57002 US	
DATE DRAWN: 1/20/06		UNITS: INCHES	
DRAWN BY: MICHAEL SCHWARTZ		SCALE: NONE	
TOLERANCES: NONE		D-SIZE OR	
(UNLESS OTHERWISE SPECIFIED)		DWG	
PATH\FIELDNAME: Q:\9-82\OTHER\PLANS\RV8-8\RV8-8A.DWG		14401 NE KE AURORA, IA 57002 US	

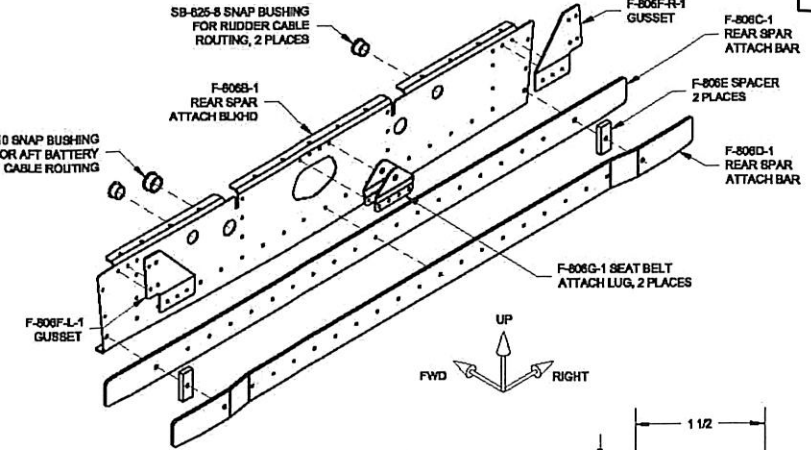




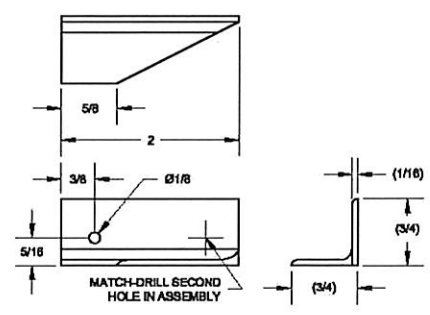
**F-814A-L-1 FWD LEFT INBOARD SEAT RIB ASSEMBLY**



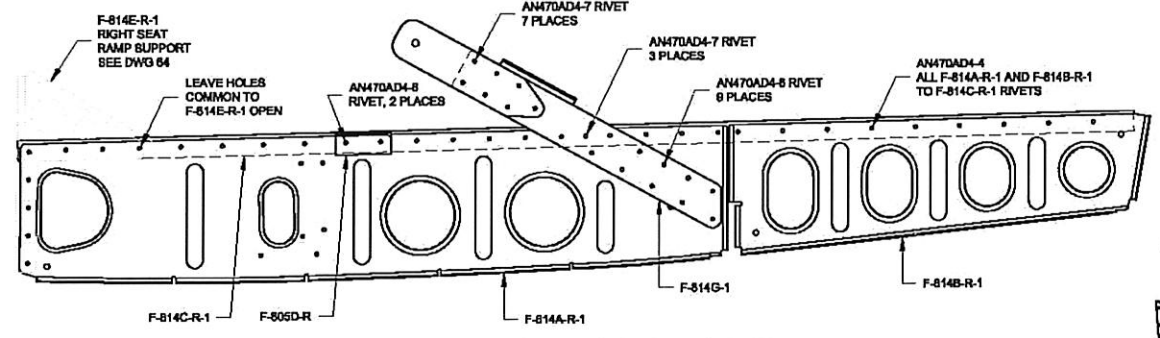
**F-814A-R-1 FWD RIGHT INBOARD SEAT RIB ASSEMBLY**



**F-806B-1 REAR SPAR ATTACH BULKHEAD ASSEMBLY**

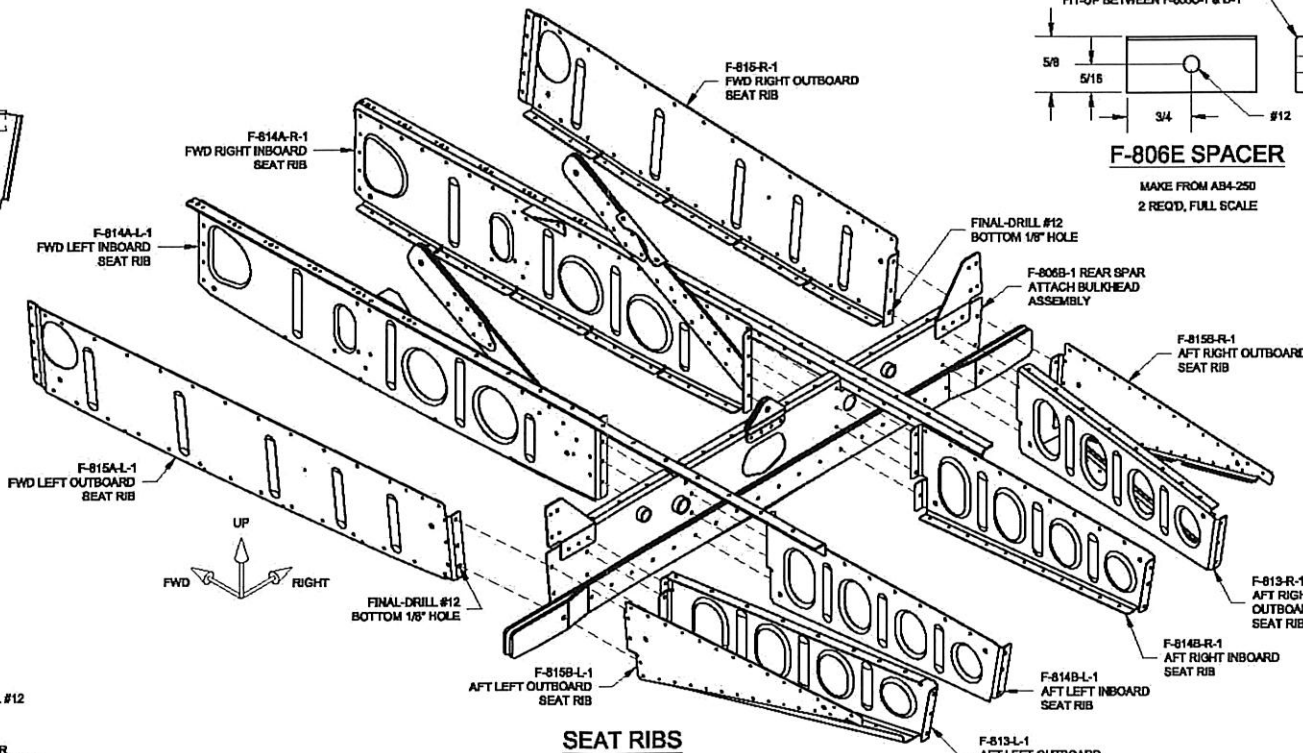


**F-805D BRACKET**  
MAKE FROM A48-083 X 3/4 X 3/4 ANGLE  
2 REQ'D, L & R, LEFT SHOWN  
FULL SCALE



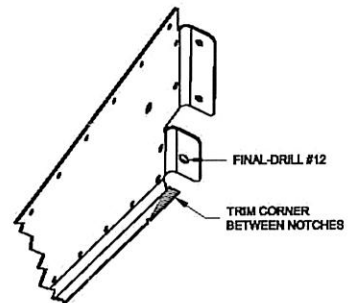
**F-814A-1 AND F-814B-1 FWD INBOARD SEAT RIB RIVETS**

RIGHT RIB SHOWN



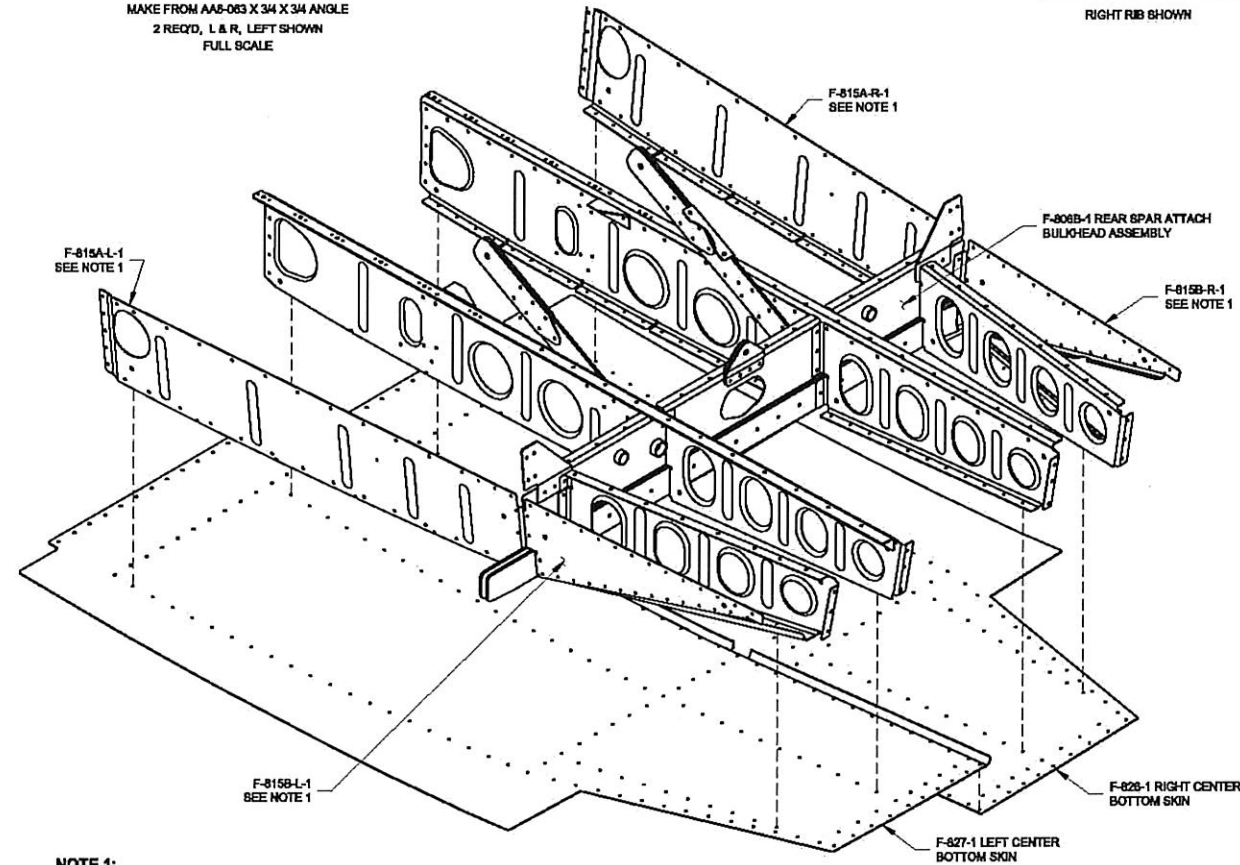
**SEAT RIBS**

EXPLODED VIEW



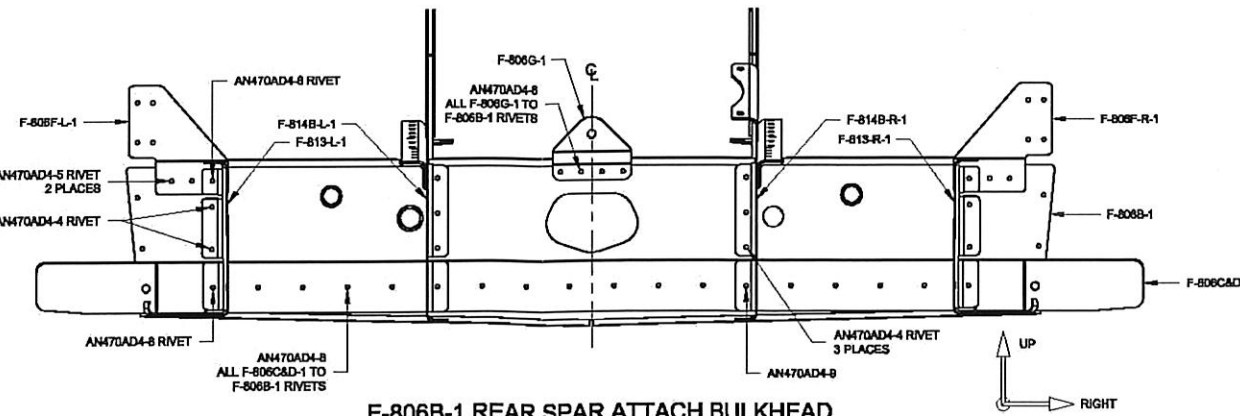
**F-815B-L-1 AND -R-1 TRIM DETAIL**

F-815B-L-1 SHOWN



**F-826-1 AND F-827-1 CENTER BOTTOM SKINS**

SEE DWG 74 FOR RIVET CALL-OUTS



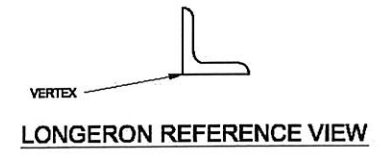
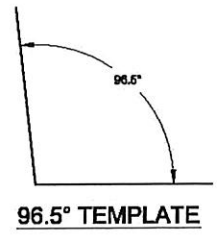
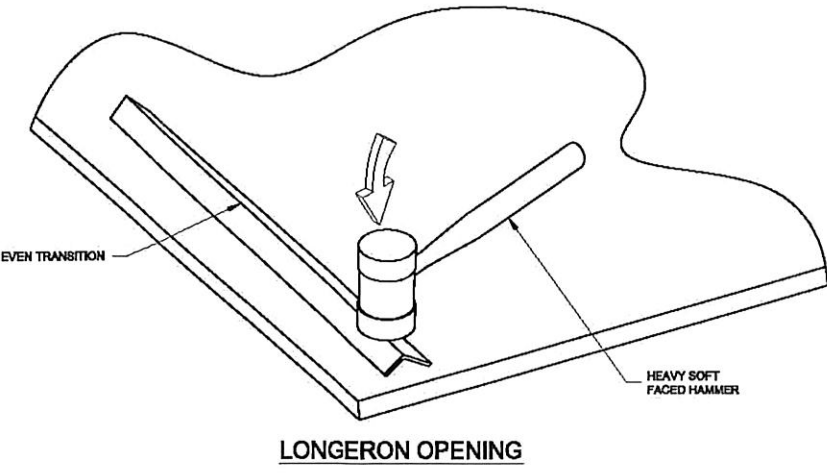
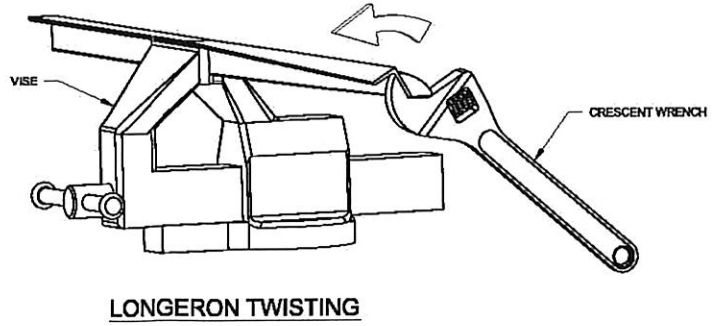
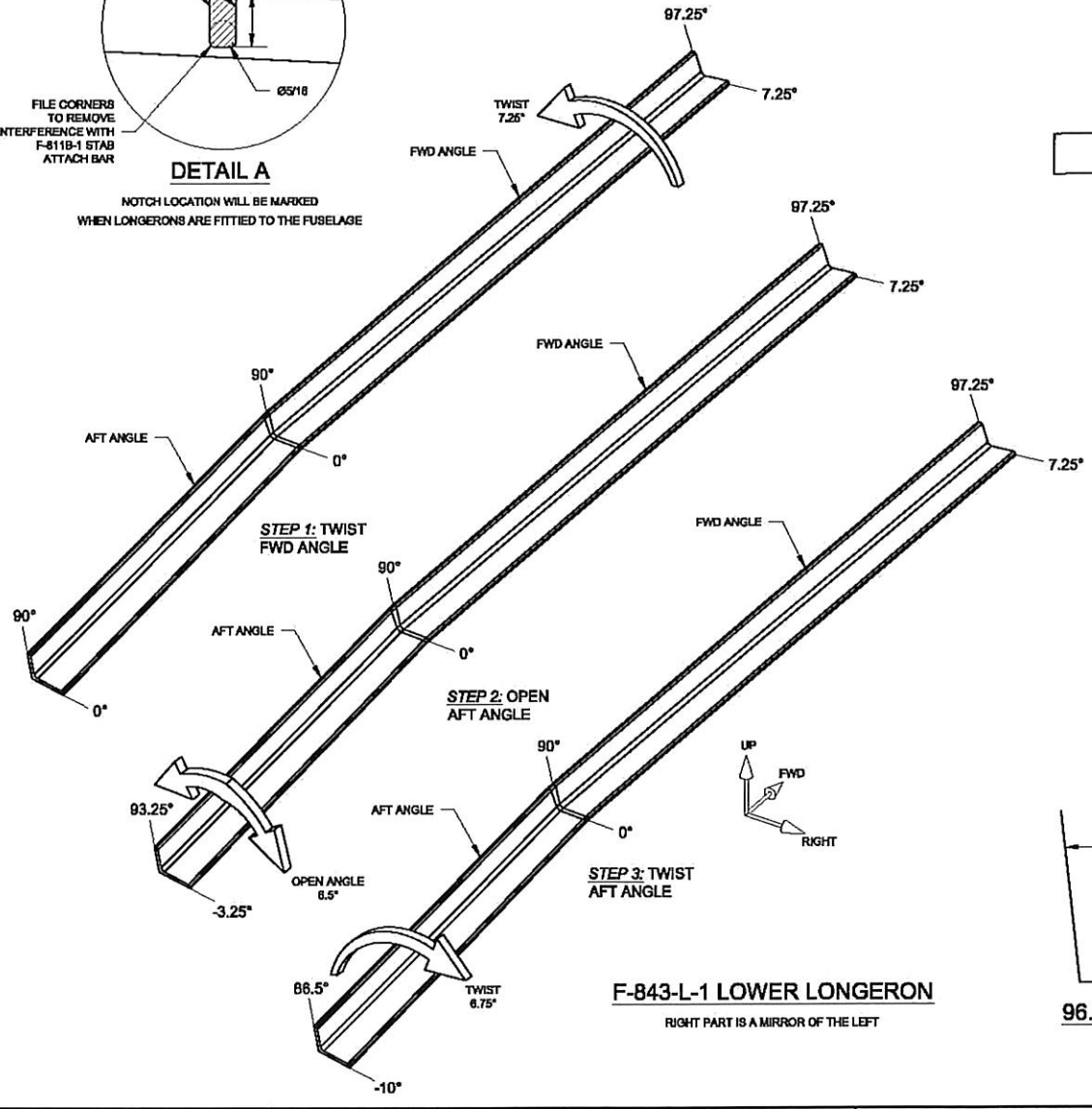
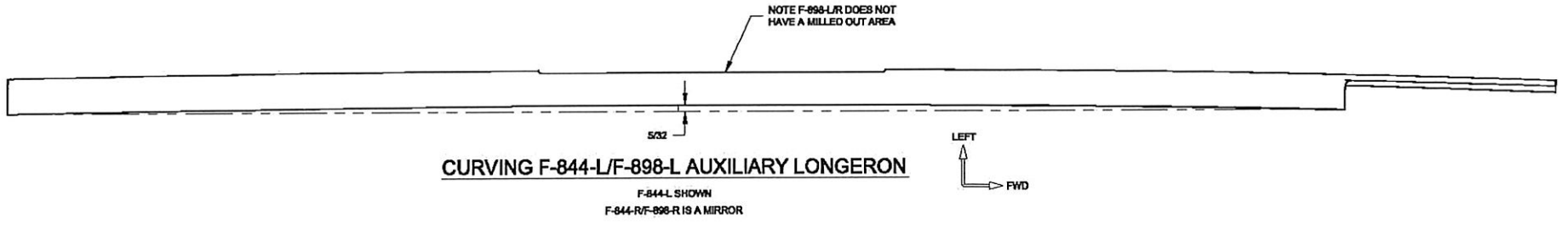
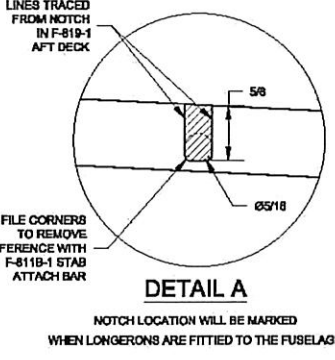
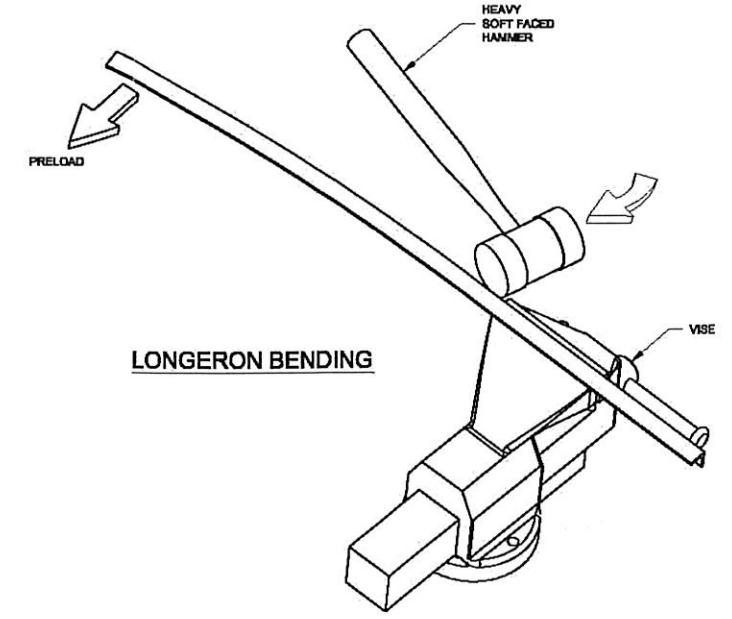
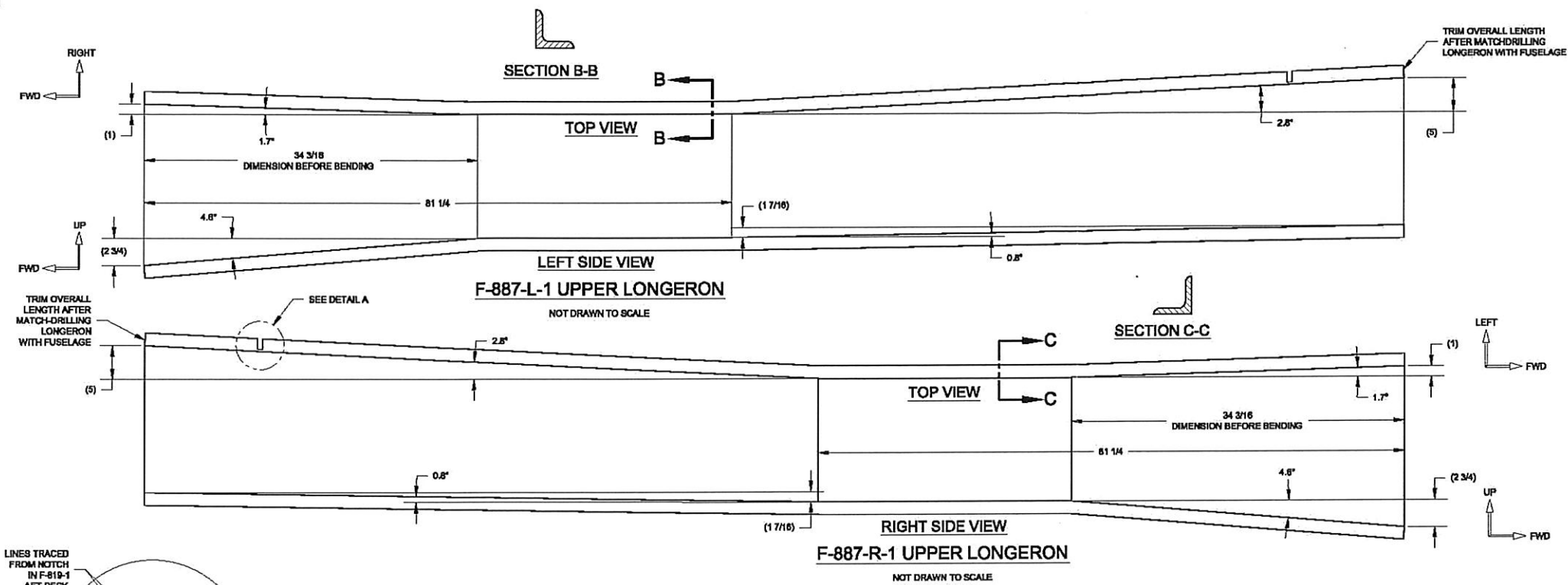
**F-806B-1 REAR SPAR ATTACH BULKHEAD ASSEMBLY RIVETS**

CALL-OUTS SYMMETRICAL ABOUT CENTERLINE

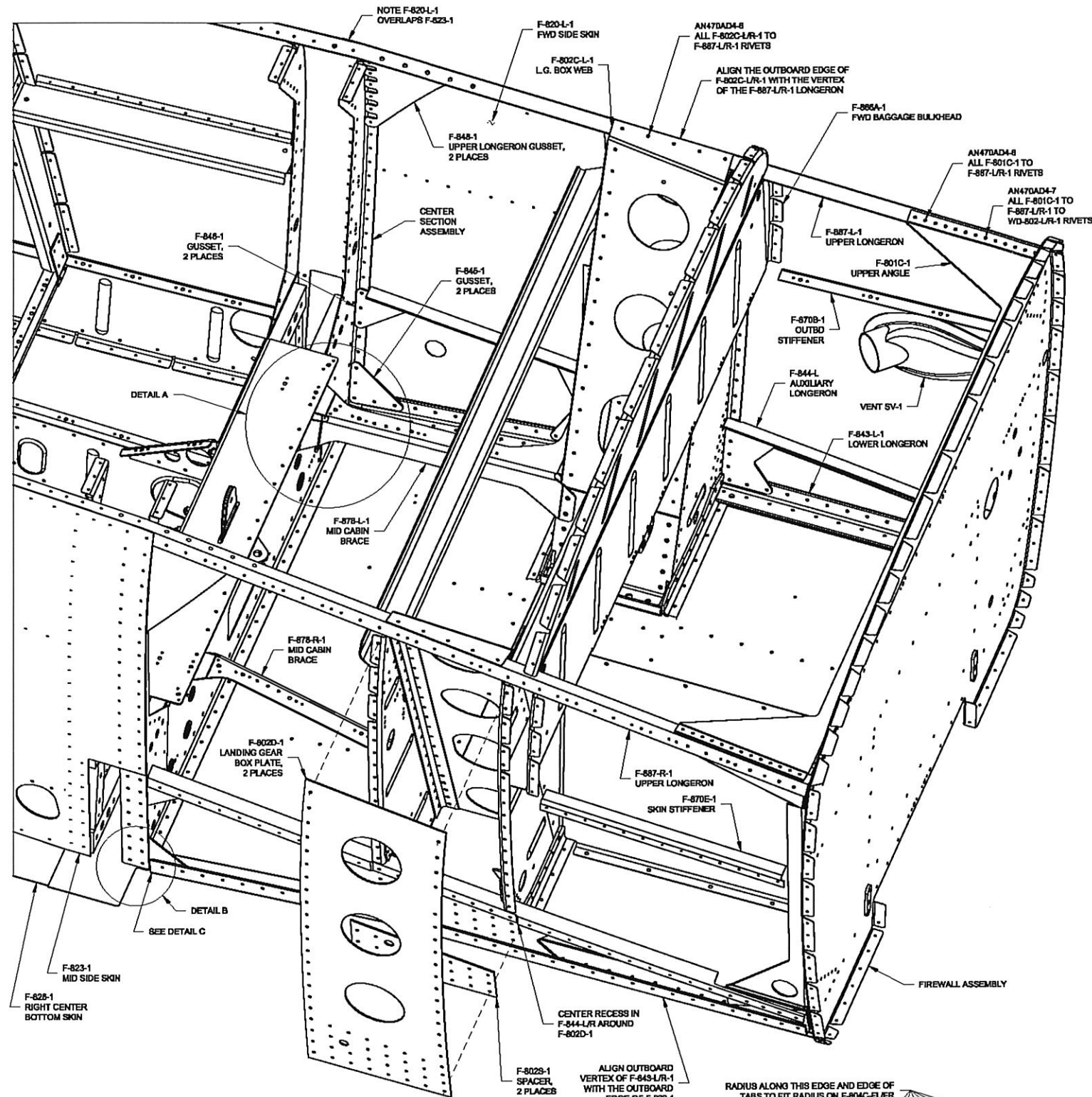
**NOTE 1:**  
DO NOT RIVET TO SKIN OR TO F-806B-1 REAR SPAR ATTACH BULKHEAD ASSEMBLY

		VAN'S AIRCRAFT, INC. 14401 NE KELLY AVE. AURORA, OR 97002 USA	
<b>SEAT RIB ASSEMBLY</b>		<b>RV-8 / 8A</b>	
DATE DRAWN: 1/20/06	UNITS: INCHES	D-SIZE ORIGIN	
DRAWN BY: MICHAEL SCHWARTZ	TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)	SCALE: NONE	
PATH: \\FILENAME: Q:\RV-8Z-OTHER PLANS\RV-8\RV-85.DWG	DWG 6		



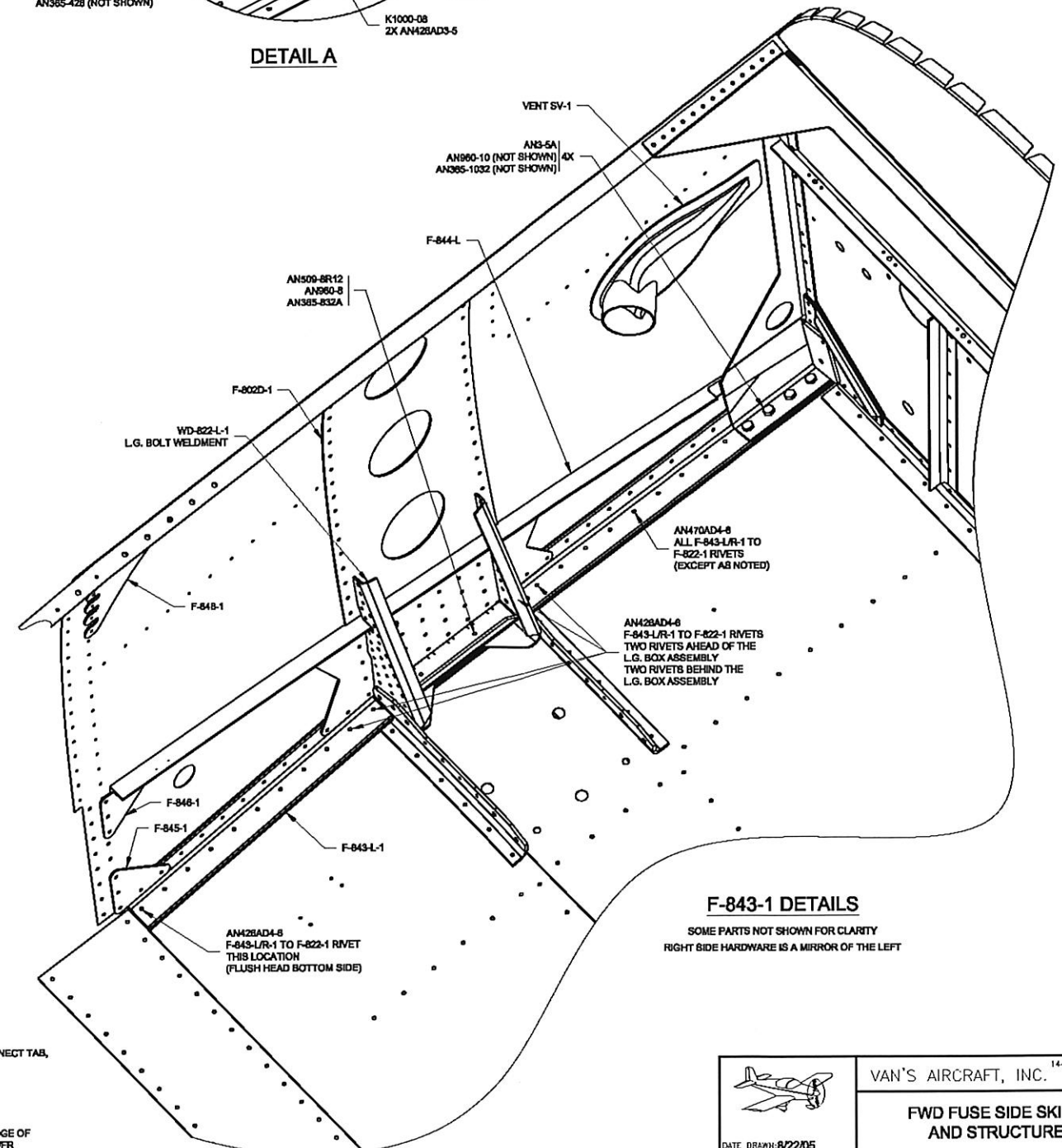
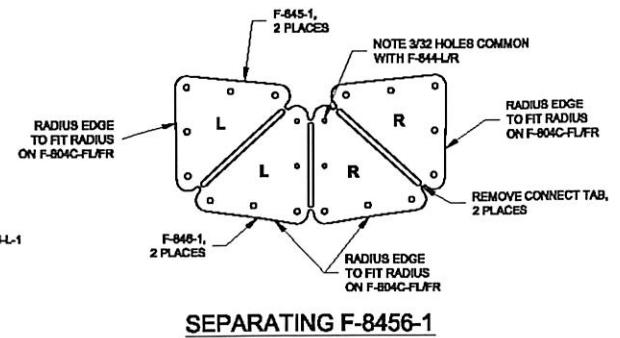
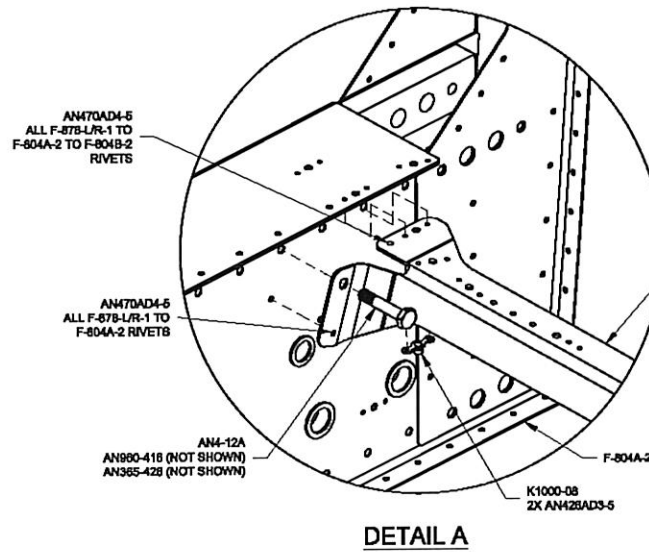
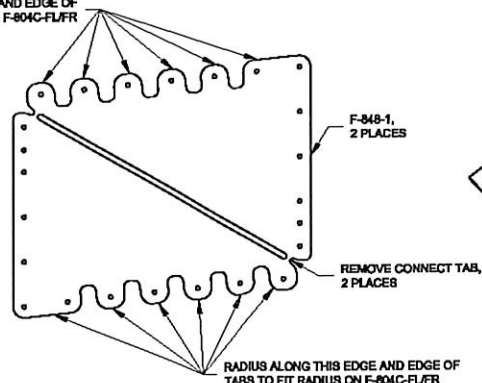
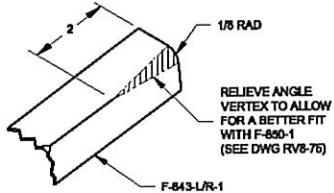
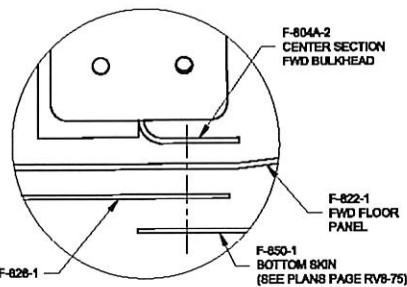


	VAN'S AIRCRAFT, INC. 14401 NE KEEL RD. AURORA, OR 97002 USA	
	<b>LONGERON BENDING</b>	
DATE DRAWN: 8/22/05	UNITS: INCHES	RV-8/8A
DRAWN BY: RYAN JOHNSON	TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)	SCALE: NONE
PART: QVW-62 OTHER PLAN/VIEW/REV'S OR SEE DWG 66	DWG 6	

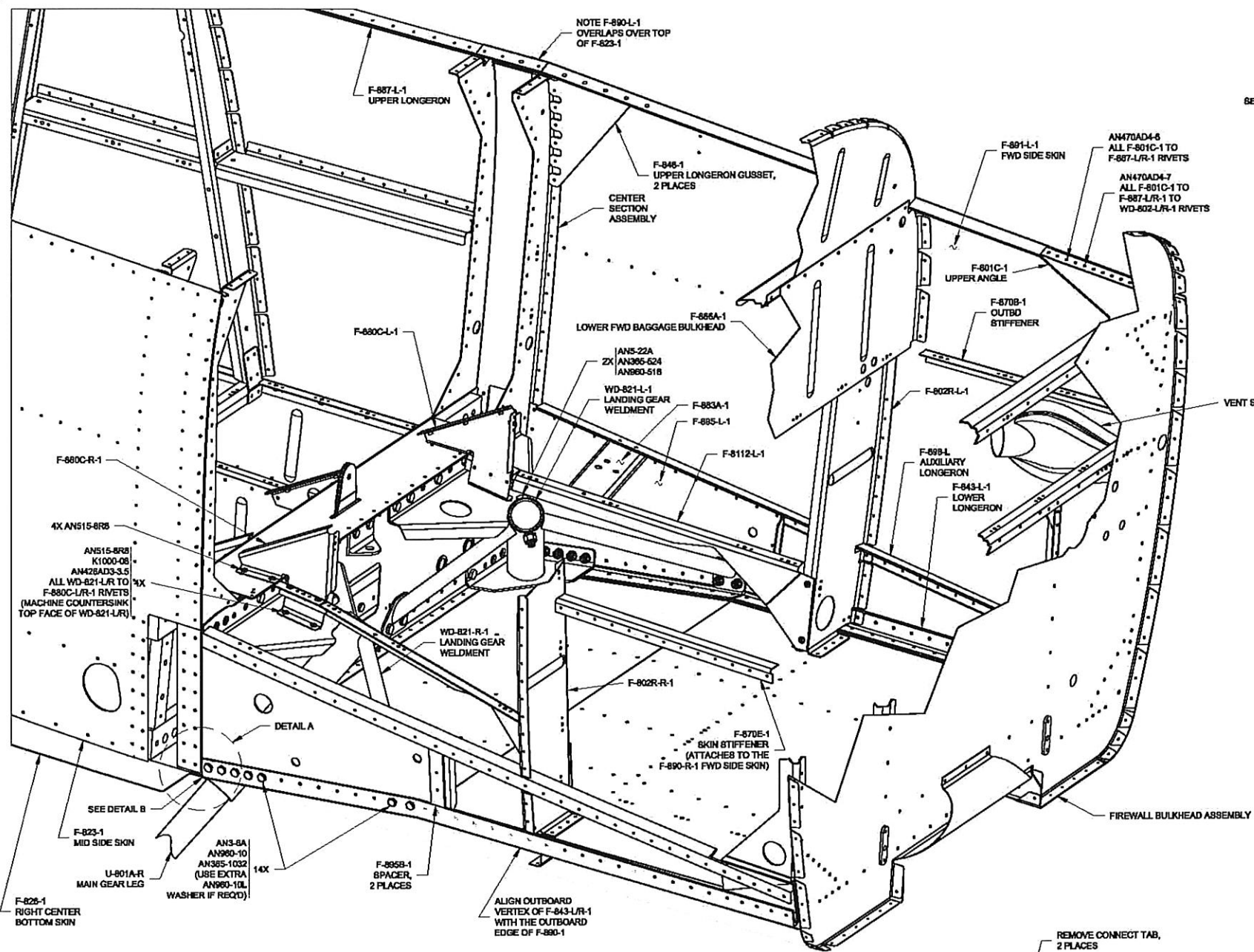


**FWD FUSE SIDE SKINS AND STRUCTURE**

F-820-R-1 AND F-870-1 NOT SHOWN FOR CLARITY (FINAL-DRILL SIDE SKINS WITH F-870-1 FWD BAGGAGE FLOOR AS INSTALLED)

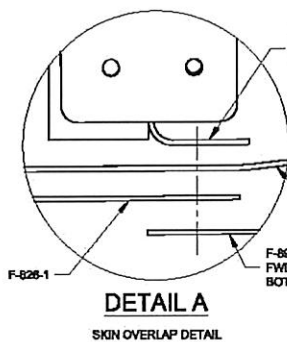


	VAN'S AIRCRAFT, INC. 14401 NE KE AURORA, OR 97002 US	
	FWD FUSE SIDE SKINS AND STRUCTURE	
	DATE DRAWN: 8/22/05	UNITS: INCHES
	DRAWN BY: ROAN JOHNSON	RV-8
TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)	SCALE: NONE	D-SIZE OR
PATH/FILENAME: Q:\RV-82 OTHER PLANS\RV-8-67 87A\RV-8-67.DWG	DWG	

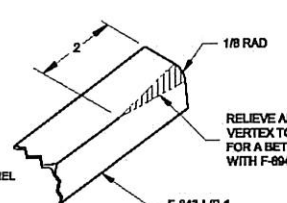


**FWD FUSE SIDE SKINS AND STRUCTURE**

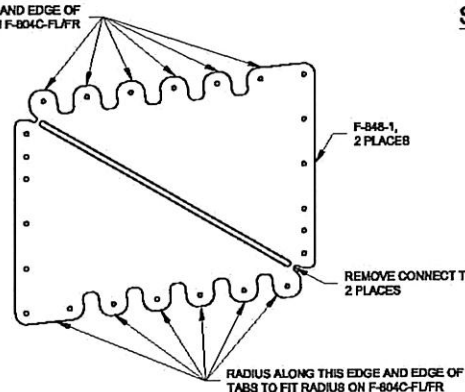
F-891-R-1 AND F-870-1 NOT SHOWN FOR CLARITY  
(FINAL-DRILL SIDE SKINS WITH F-870-1 FWD BAGGAGE FLOOR AS INSTALLED)



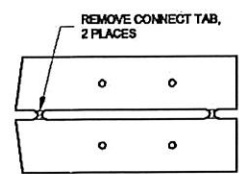
**DETAIL A**  
SKIN OVERLAP DETAIL



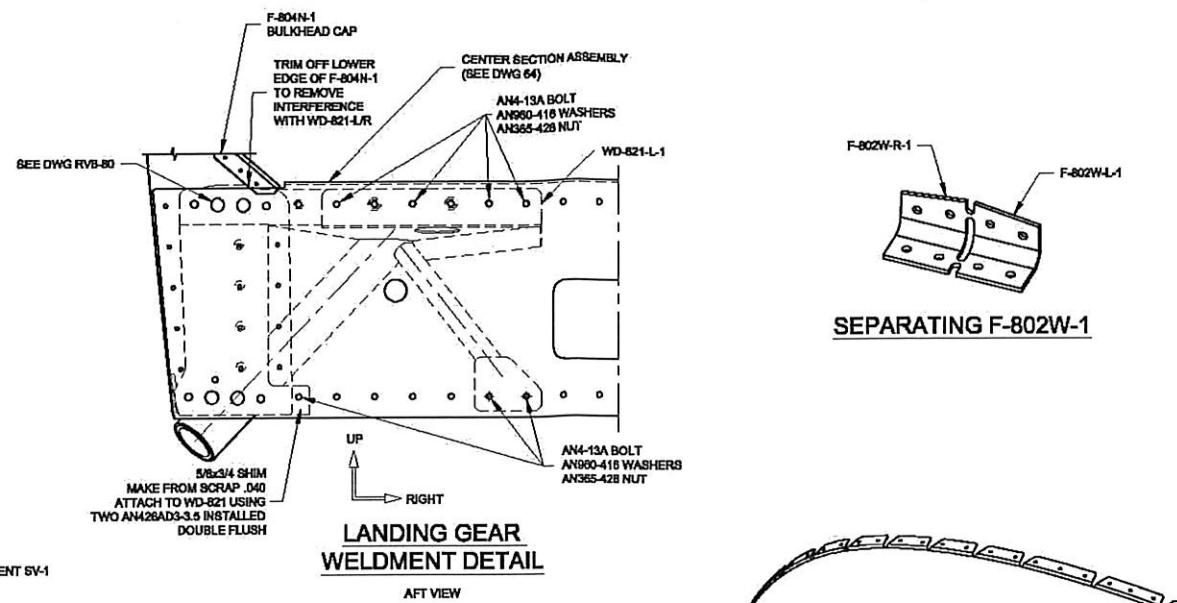
**DETAIL B**



**SEPARATING F-848-1**

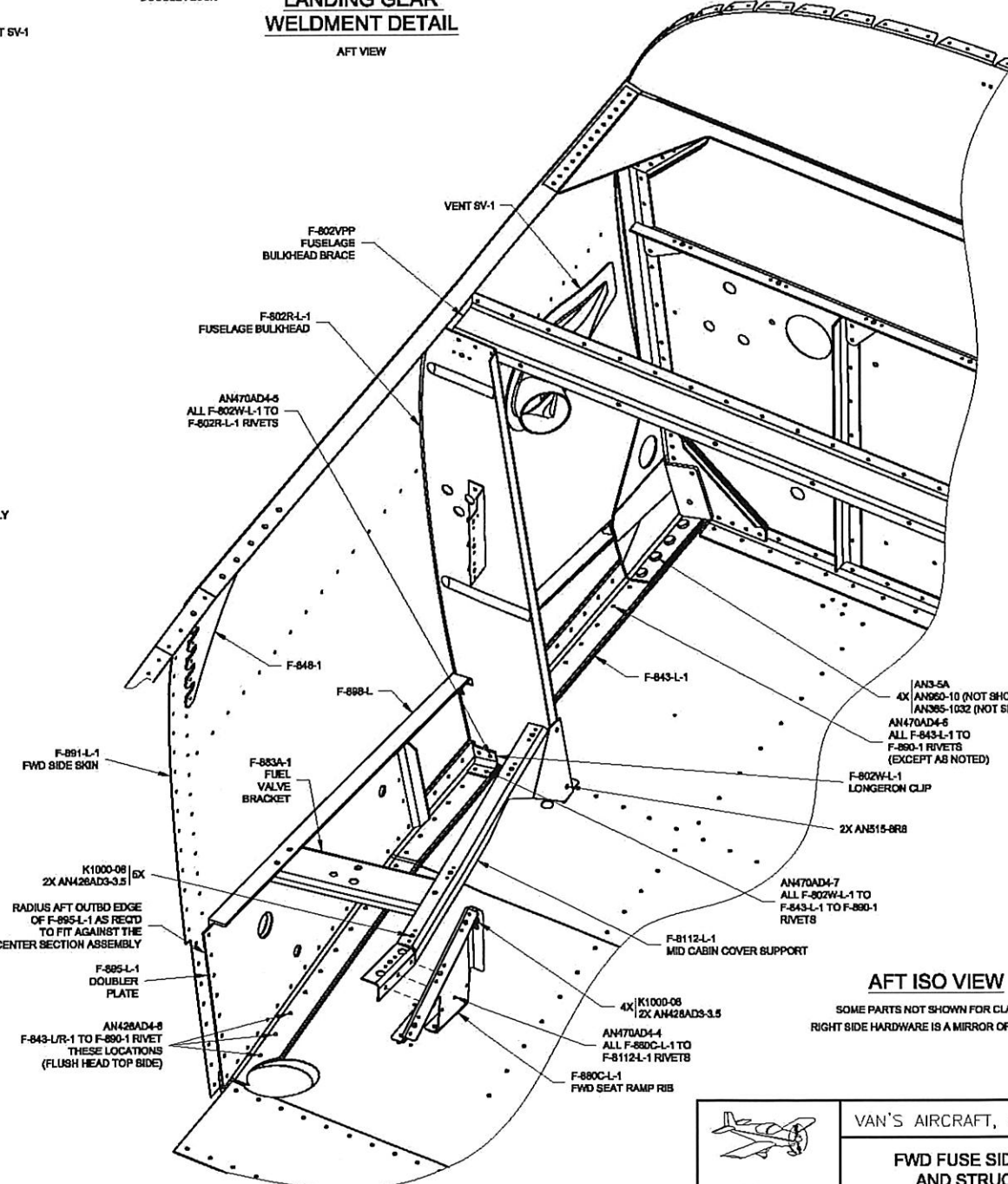


**SEPARATING F-895B-1**



**LANDING GEAR WELDMENT DETAIL**

AFT VIEW

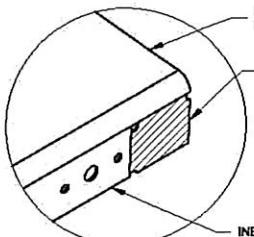


**AFT ISO VIEW**

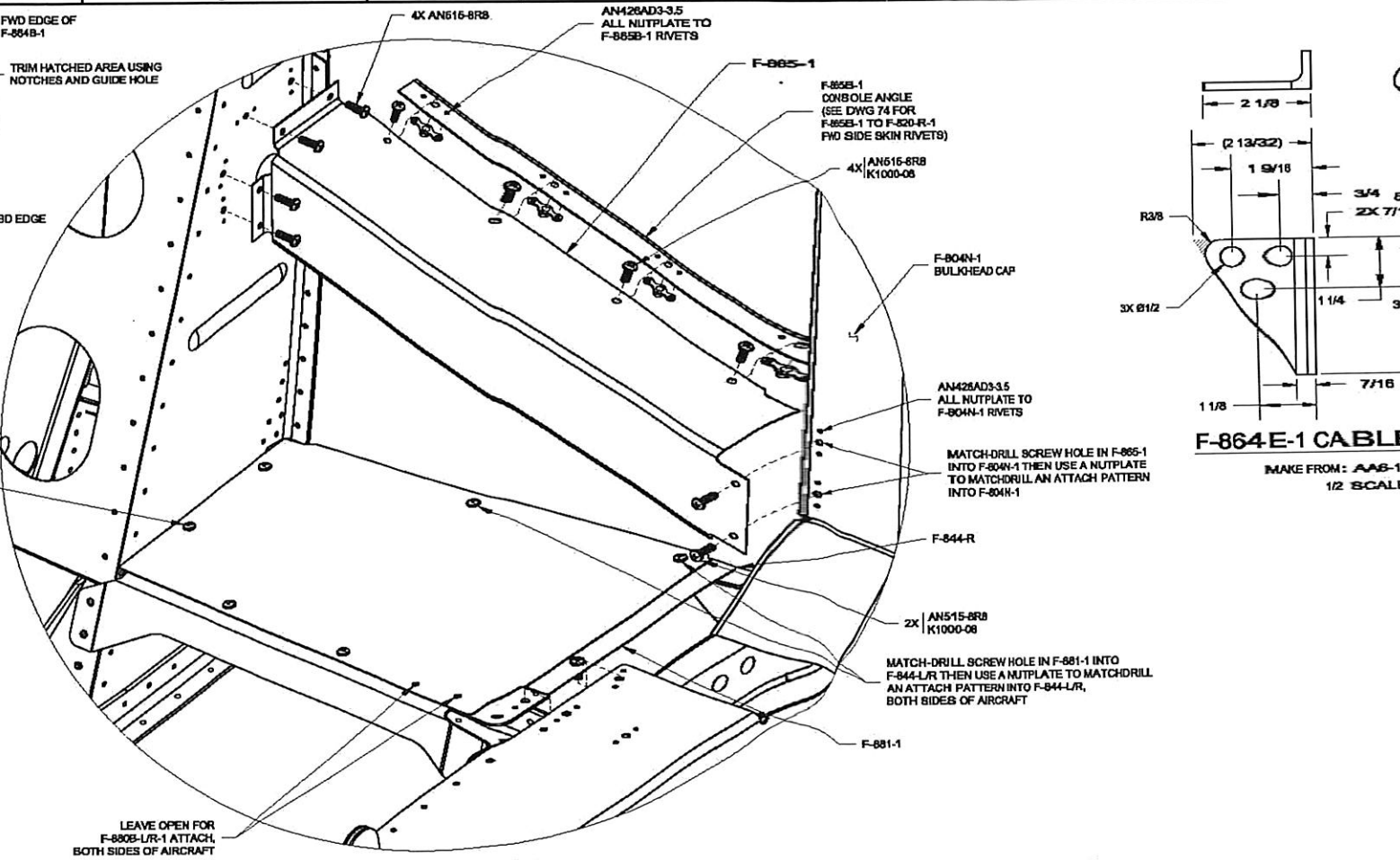
SOME PARTS NOT SHOWN FOR CLARITY  
RIGHT SIDE HARDWARE IS A MIRROR OF THE LEFT

		VAN'S AIRCRAFT, INC. 14401 NE F ALASKA, 97002-1	
		<b>FWD FUSE SIDE SKINS AND STRUCTURE</b>	
DATE DRAWN: 8/22/05	UNITS: INCHES	RV-8A	
DRAWN BY: BIANCA JENSEN	TOLERANCES: NONE	D-SIZE 0	
UNLESS OTHERWISE SPECIFIED	SCALE: NONE	DWG	
PART FILE NAME: Q2RV-82 OTHER PLANS RV-87 87A RV-87A.DWG			



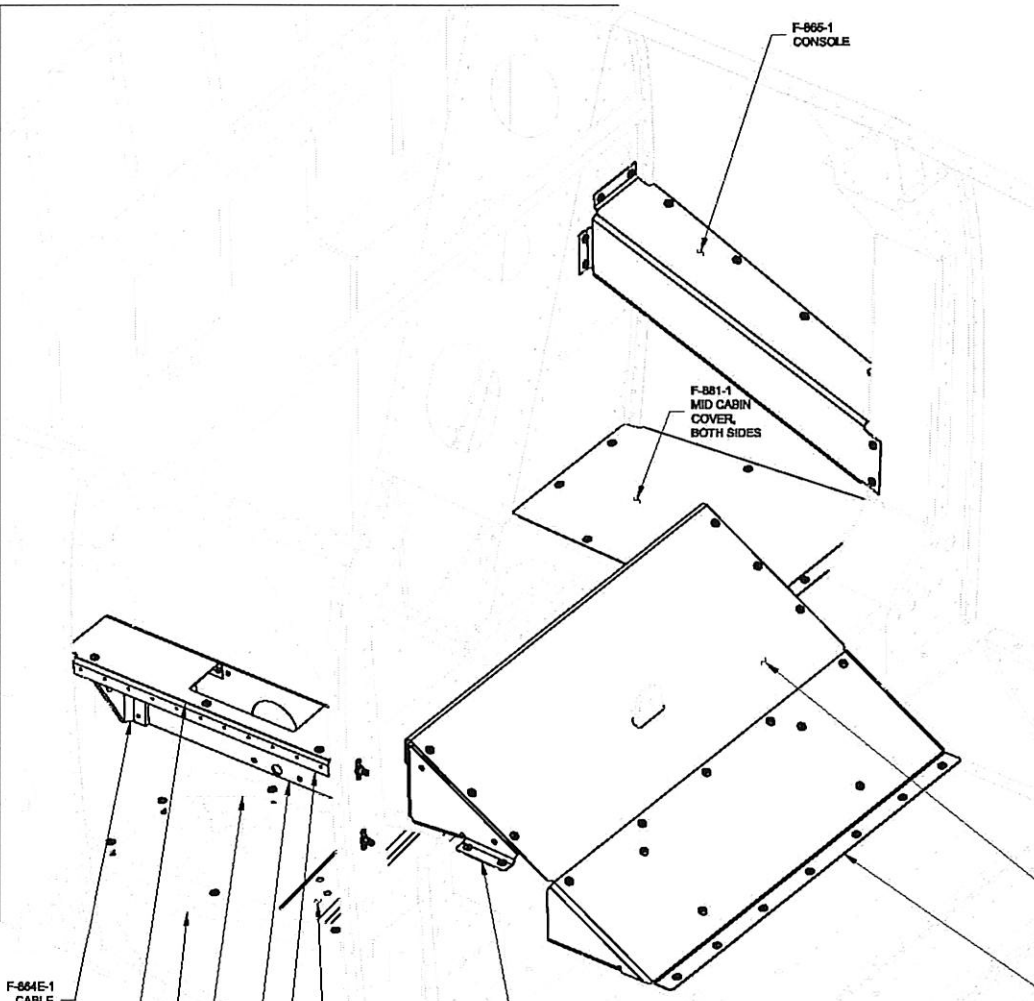


**THROTTLE QUAD COVER TRIM**

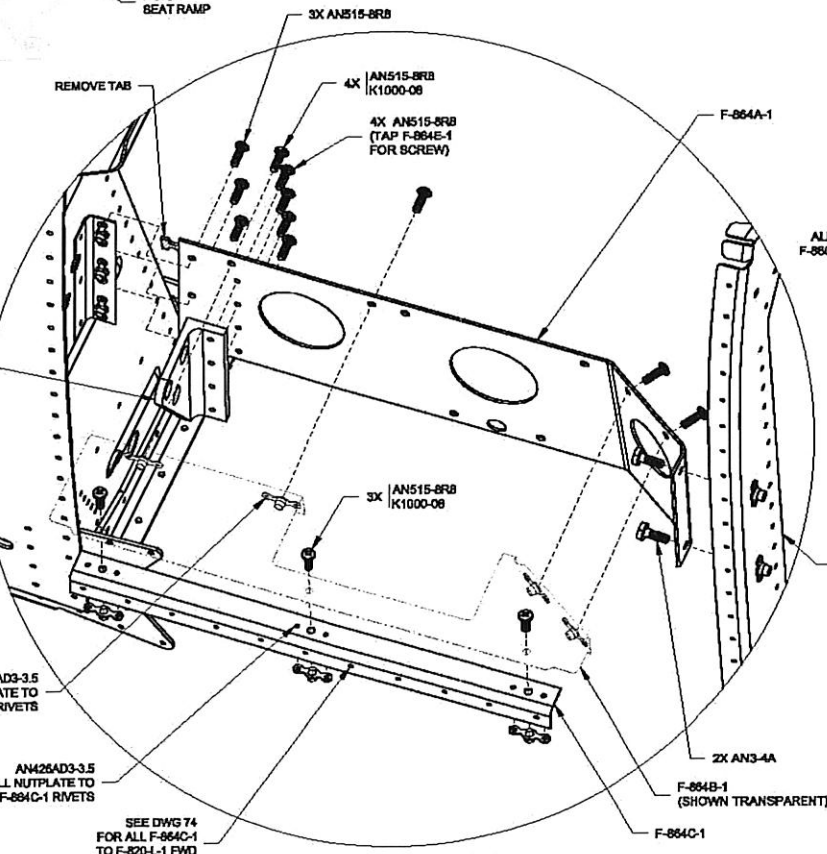


**RIGHT CONSOLE ASSEMBLY**  
CENTER SECTION SHOWN EXPLODED  
AWAY FROM LANDING GEAR BOX ASSEMBLY

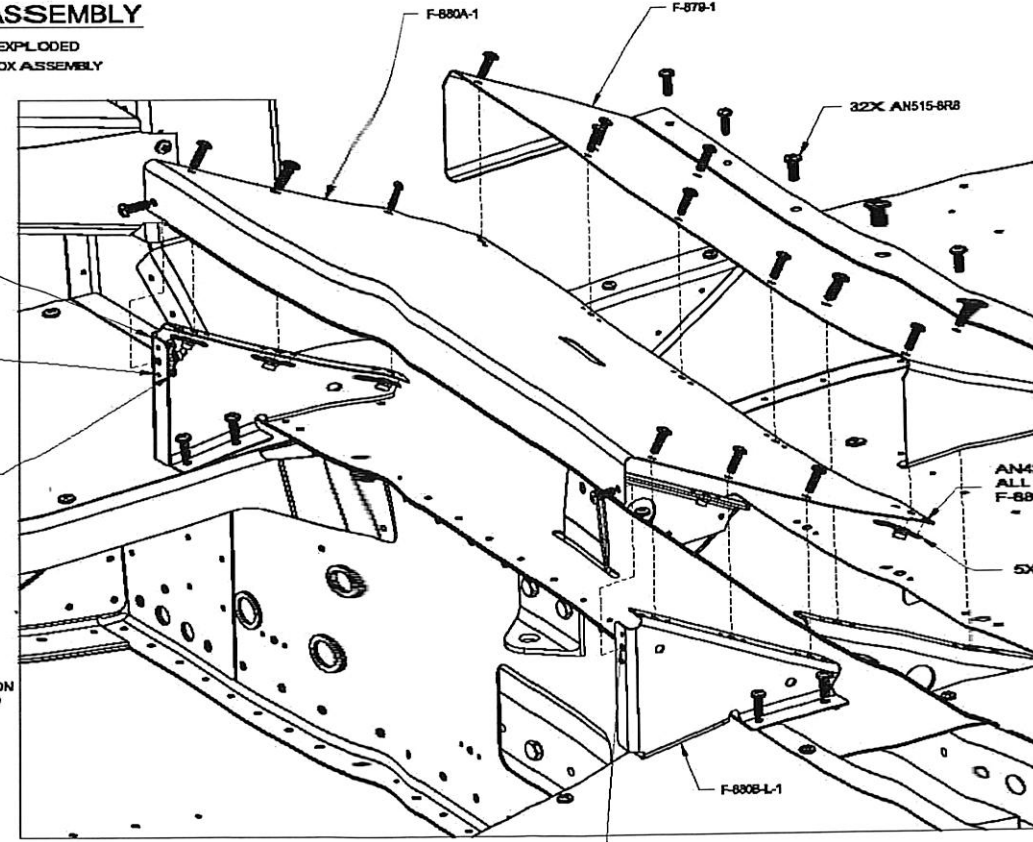
**F-864E-1 CABLE**  
MAKE FROM: AAG-18  
1/2 SCALE



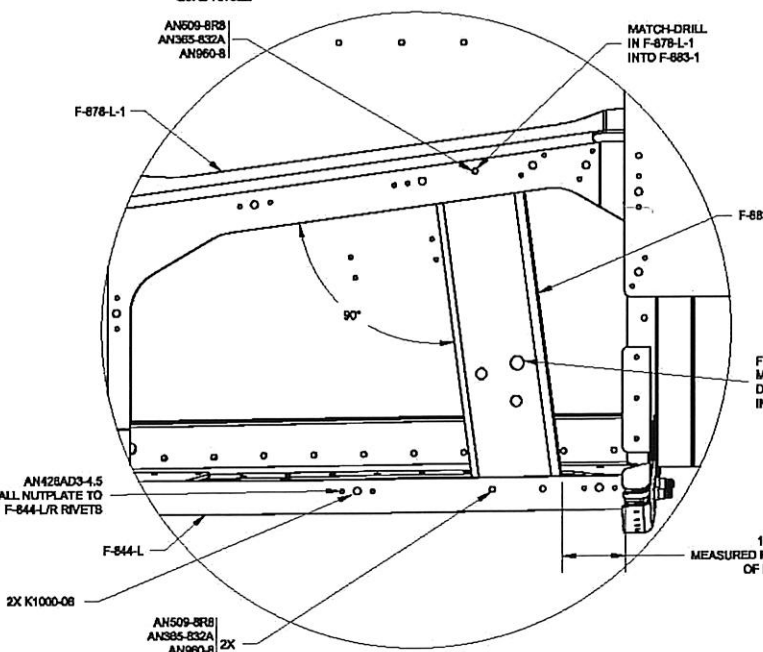
**ISO VIEW**



**THROTTLE QUADRANT ASSEMBLY**

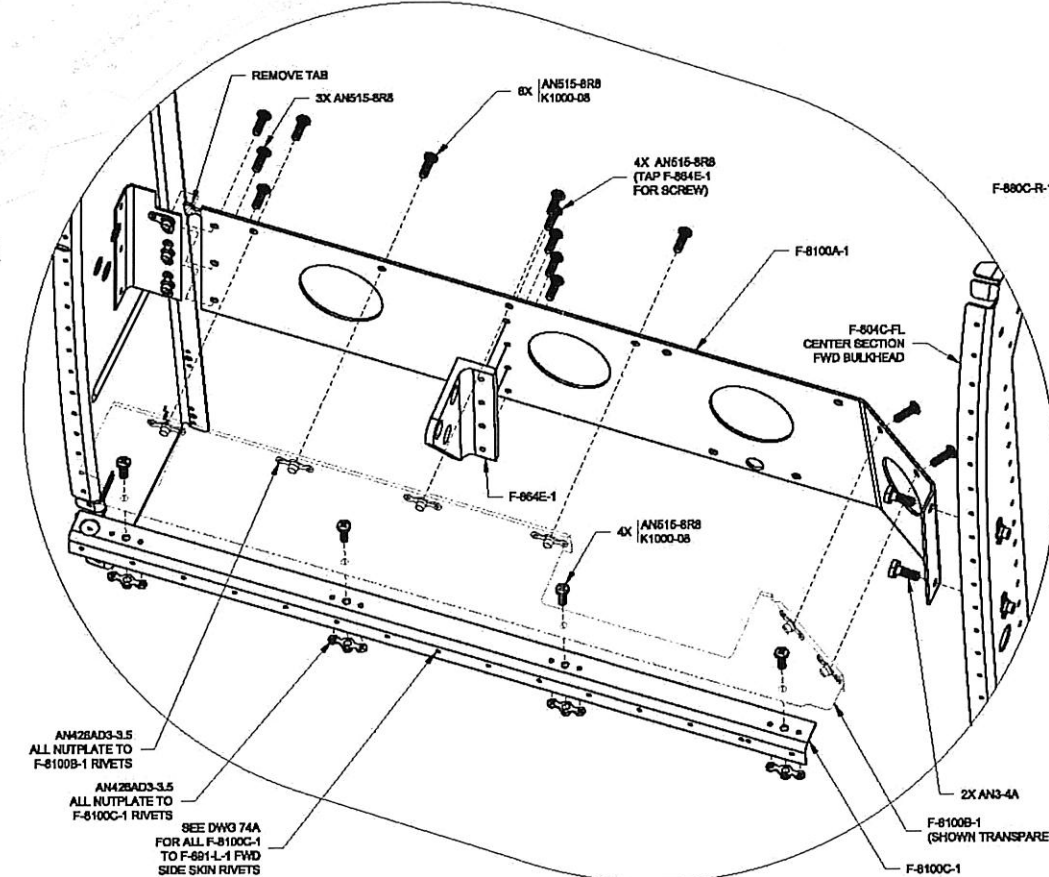
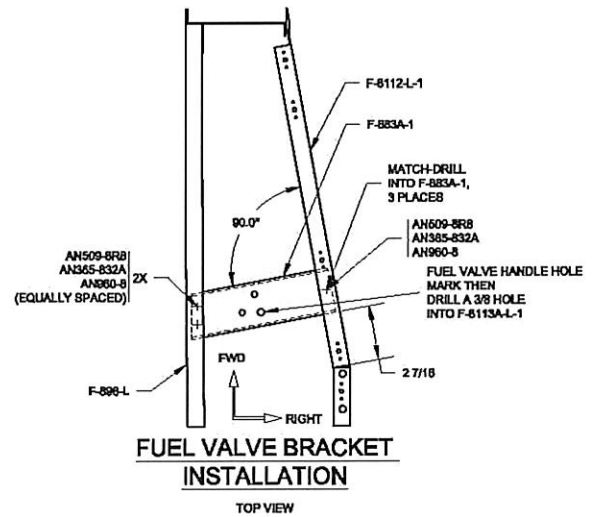
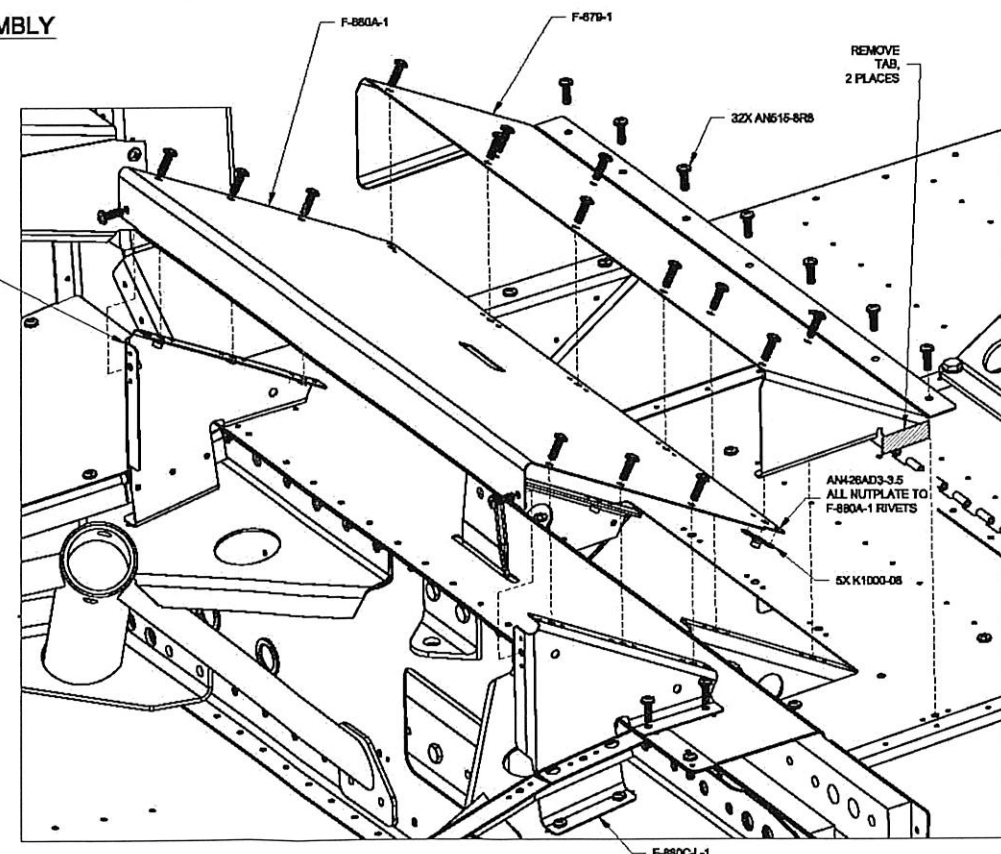
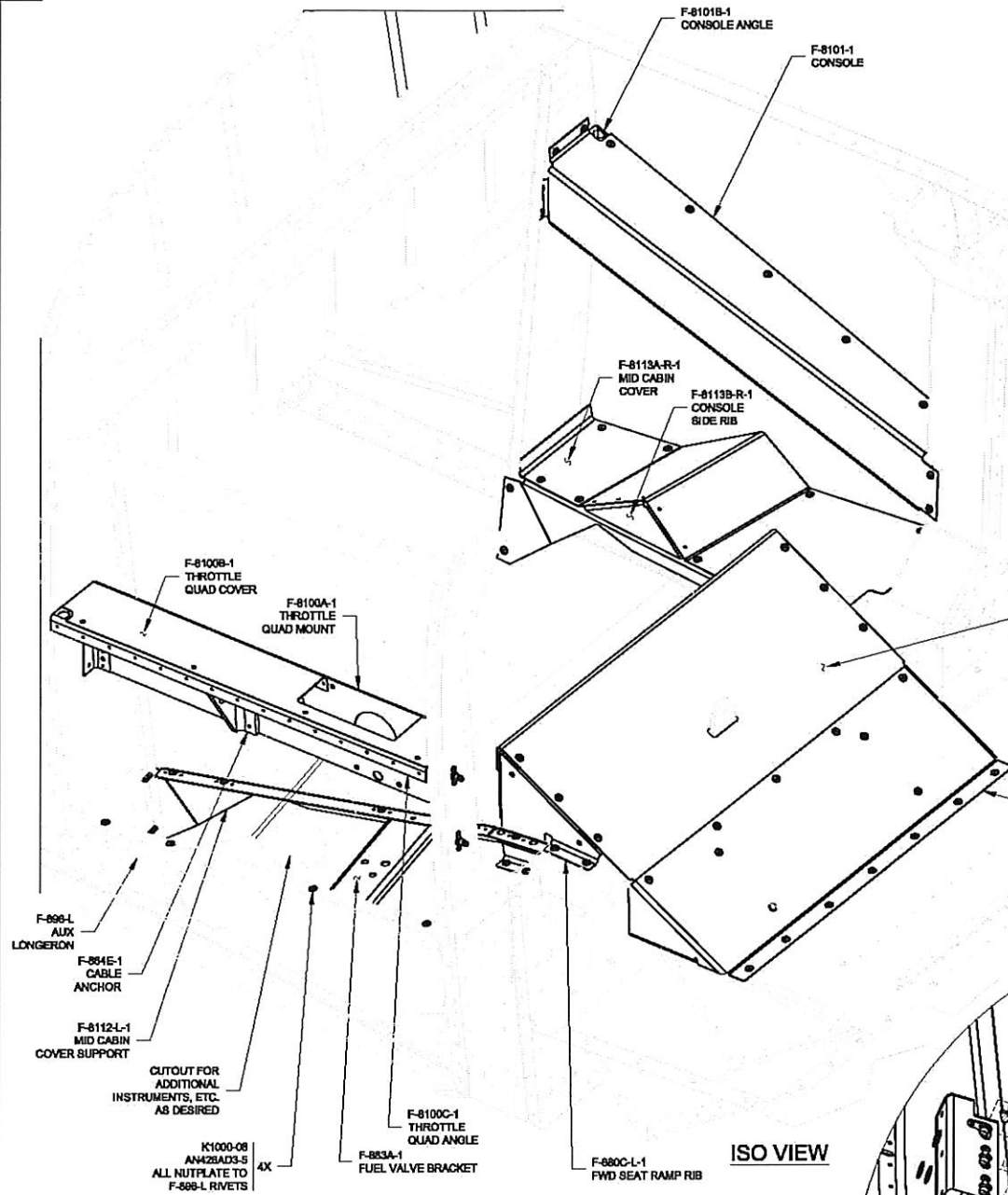
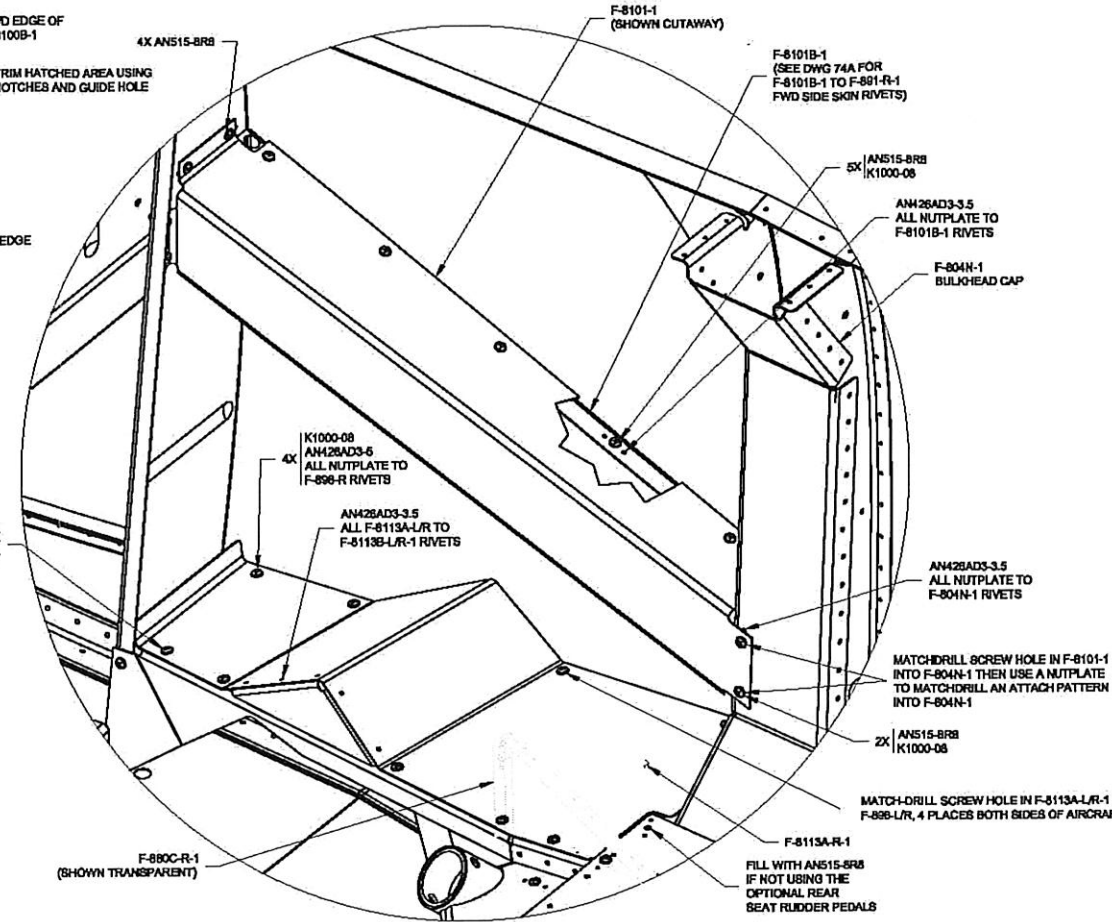
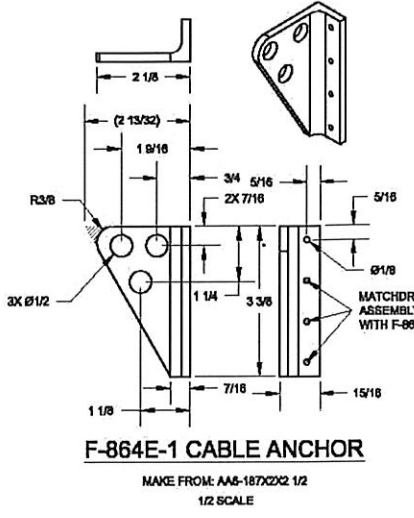
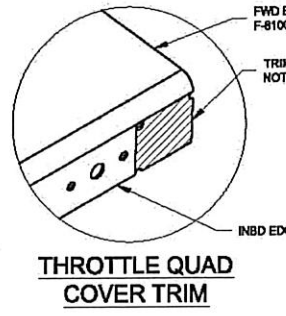


**SEAT RAMP ASSEMBLY**



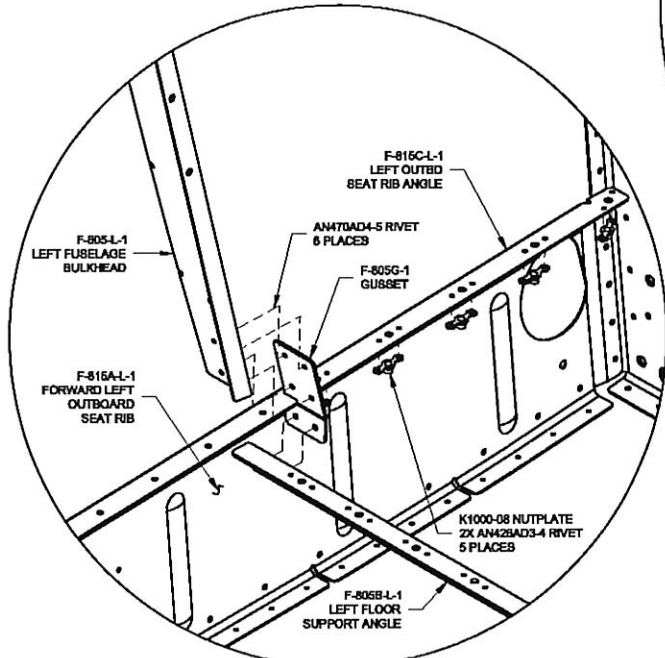
**FUEL VALVE BRACKET INSTALLATION**

VAN'S	
CON:	
DATE DRAWN: 2/6/06	UNITS: INCHES
DRAWN BY: RIAN JOHNSON	SCALE: AS SHOWN
TOLERANCES: NONE	
PATH: FILENAME: QAVY-8RZ OTHER: PANSRV8-85	

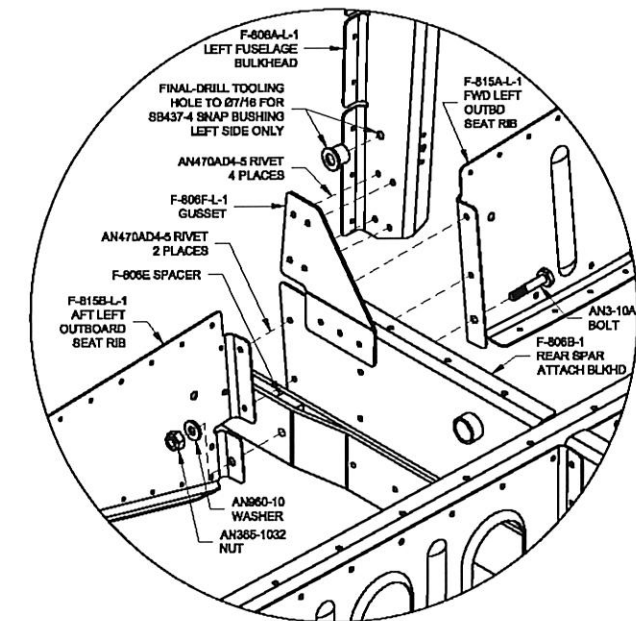


		VAN'S AIRCRAFT, INC. 14401 NE HILL AURORA, CO 80002 USA	
<b>CONSOLE AND SEAT RAMP ASSEMBLIES</b>		<b>RV-8A</b>	
DATE DRAWN: 3/17/08	UNITS: INCHES	D-SIZE DRG	
DRAWN BY: RIAN JOHNSON	TOLERANCES: NONE	SCALE: AS NOTED	
UNLESS OTHERWISE SPECIFIED:		PATH\FILENAME: QLV-82 OTHER PLANS\RV-8\RV-8-8A.DWG	
		DWG 6	



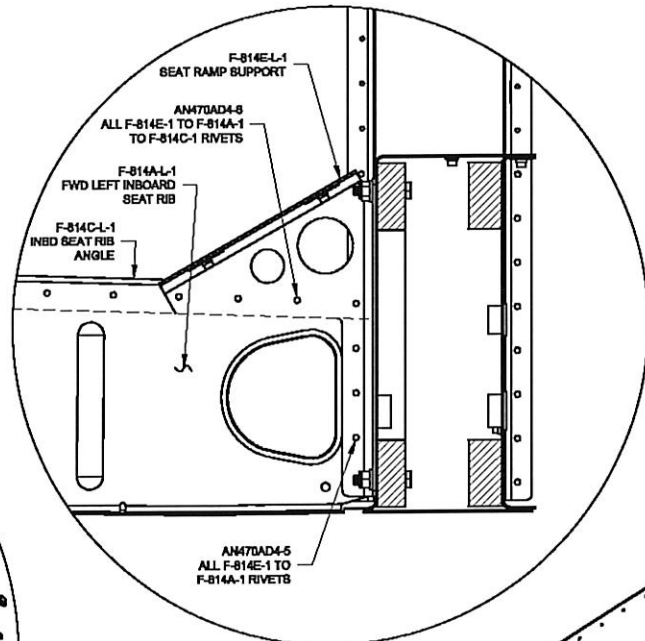


**DETAIL B**

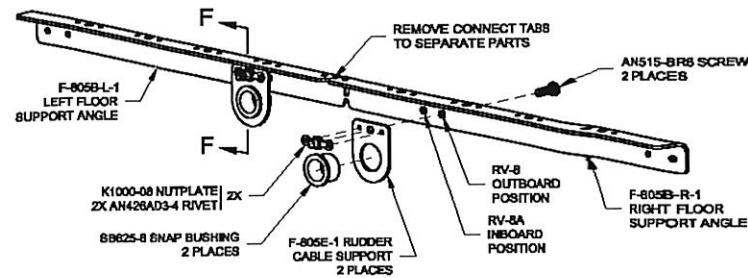


**DETAIL A**

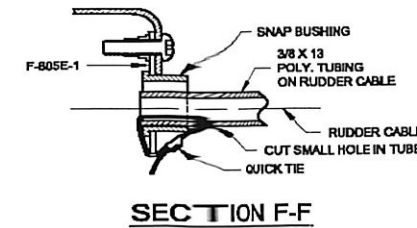
F-813-L-1 NOT SHOWN FOR CLARITY



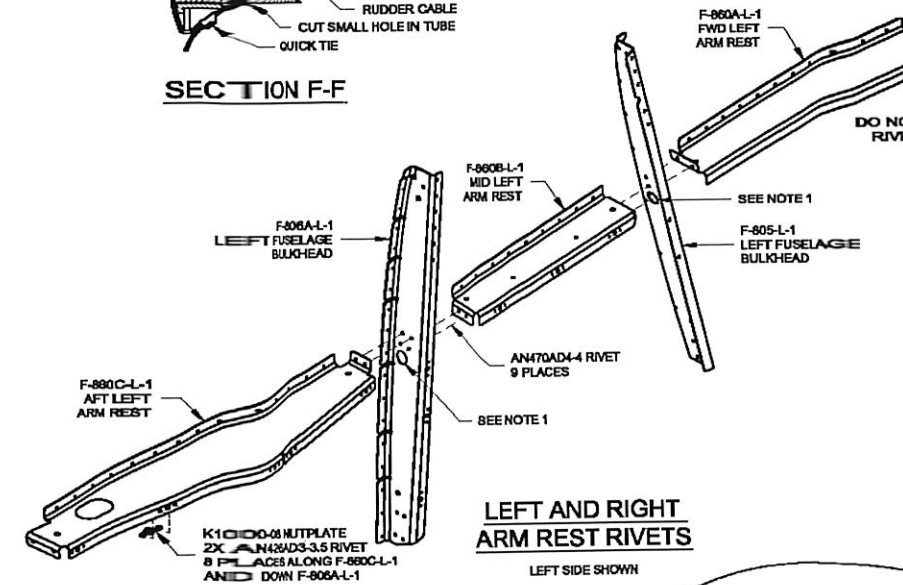
**DETAIL C**



**F-805B-1 FLOOR SUPPORT ANGLE DETAIL**



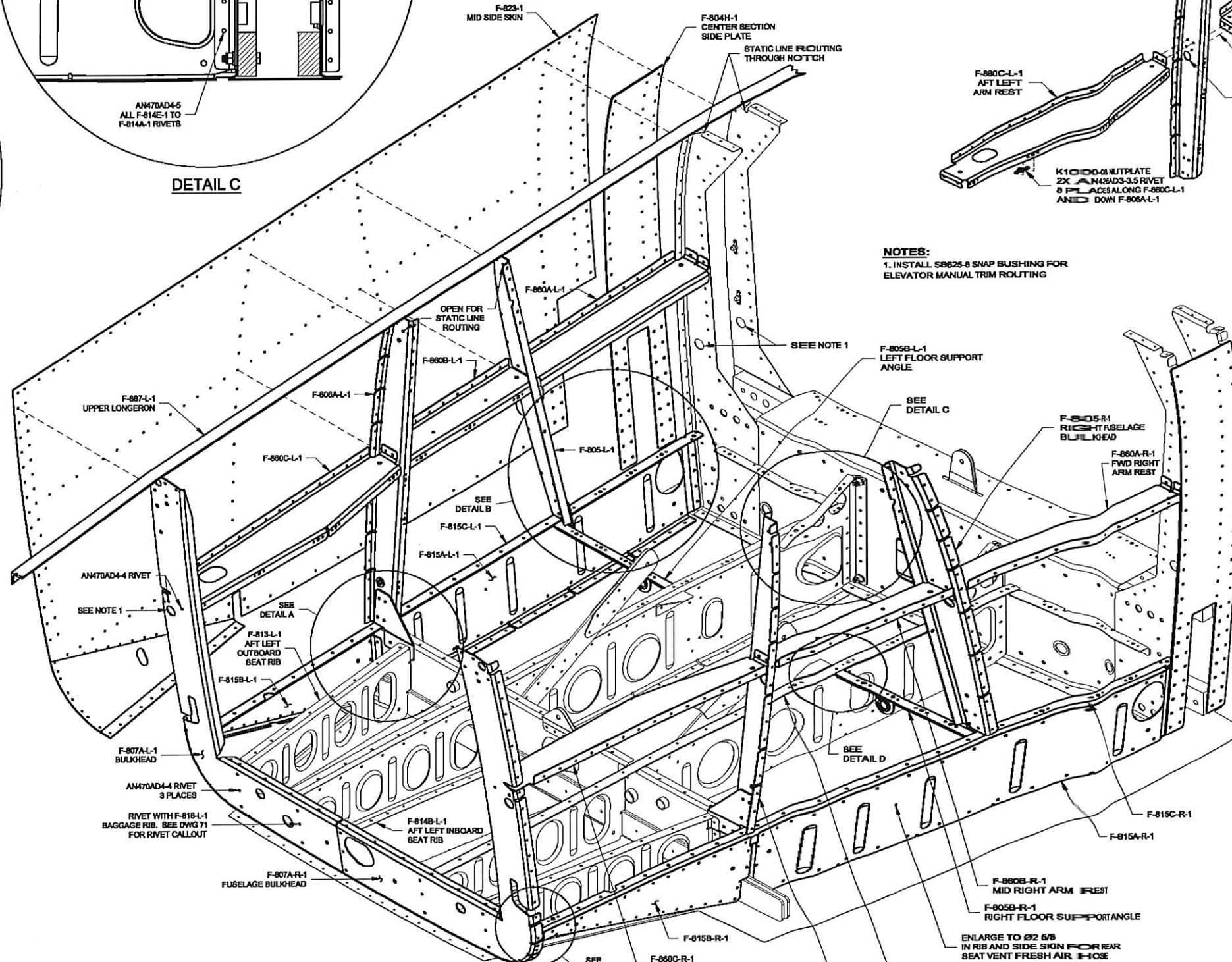
**SECTION F-F**



**LEFT AND RIGHT ARM REST RIVETS**

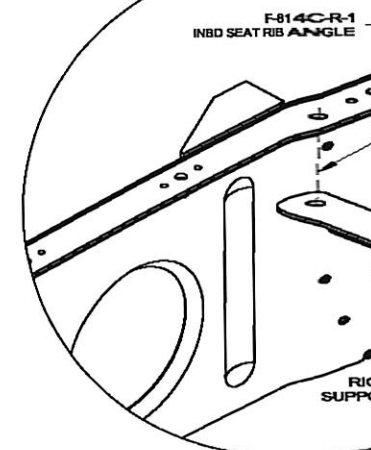
LEFT SIDE SHOWN

**NOTES:**  
 1. INSTALL SB625-8 SNAP BUSHING FOR ELEVATOR MANUAL TRIM ROUTING

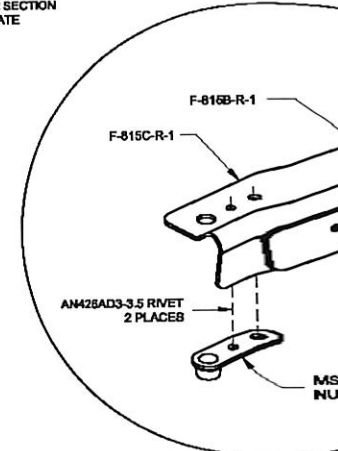


**MID FUSE SIDE SKIN AND STRUCTURE**


RIVET CALL-OUTS SYMMETRICAL ABOUT AIRPLANE CENTERLINE  
SOME PARTS NOT SHOWN FOR CLARITY



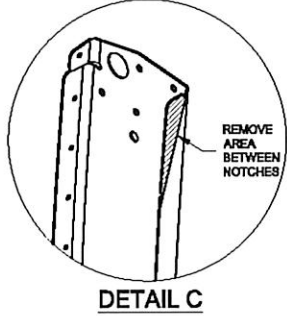
**DETAIL D**



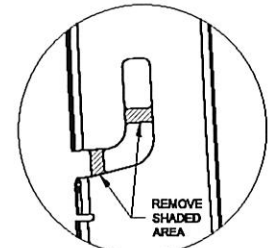
**DETAIL E**

 <b>VAN'S AIR</b>	
<b>MID AIR</b>	
DATE DRAWN: 8/12/05	UNITS: INCHES
DRAWN BY: MICHAEL SCHWARTZ	SCALE: NONE
TOLERANCES: NONE	SCALE: NONE
PARTS/PLANNING: QTR 02 OTHER PLANS/REV: 000000	

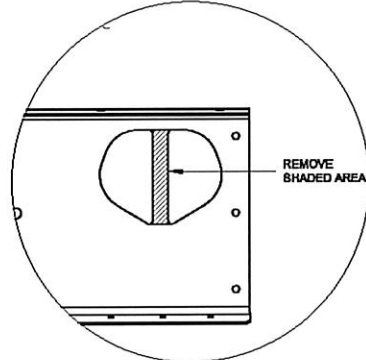




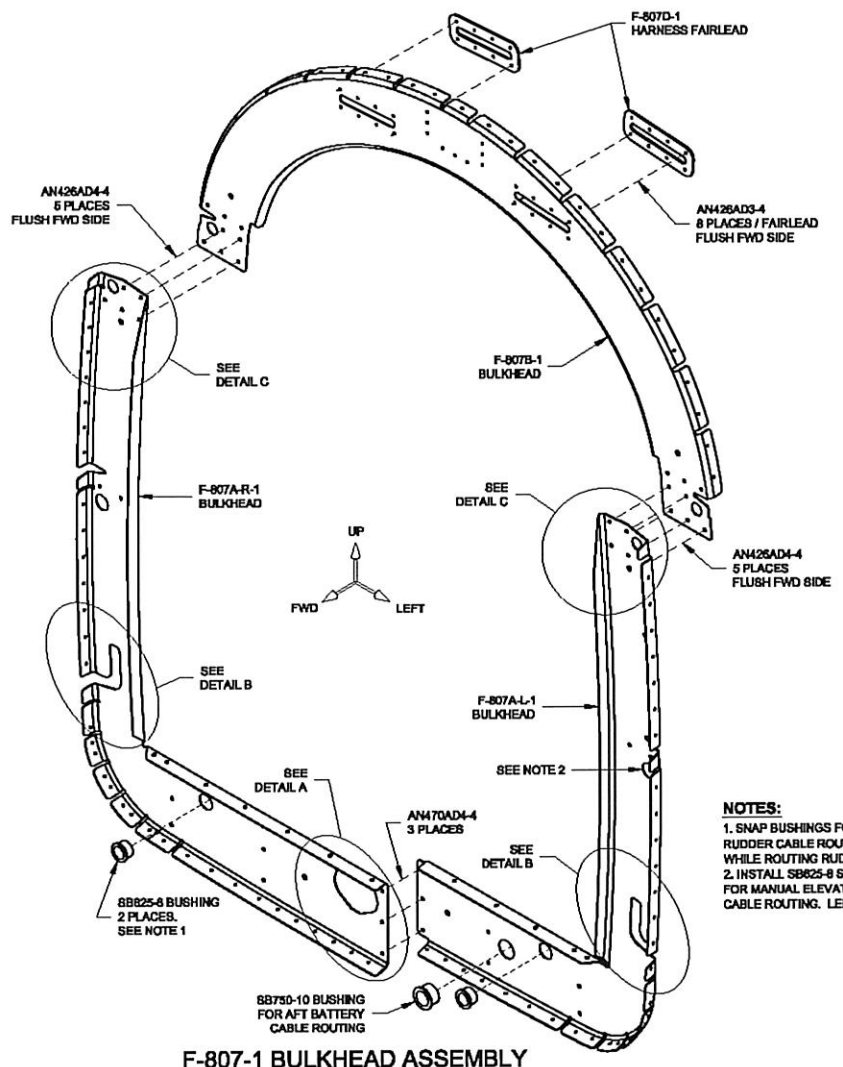
DETAIL C



DETAIL B

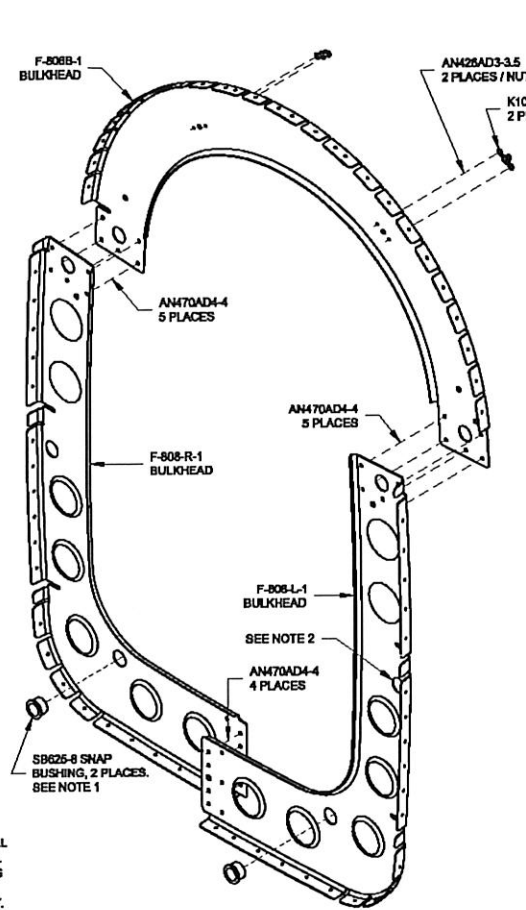


DETAIL A

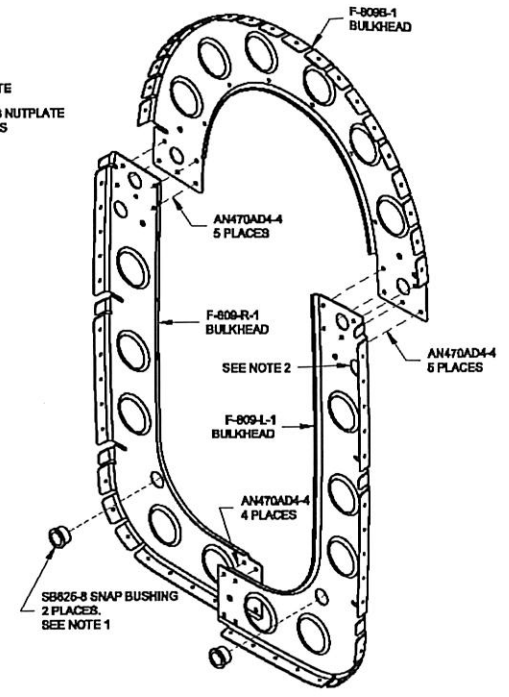


F-807-1 BULKHEAD ASSEMBLY

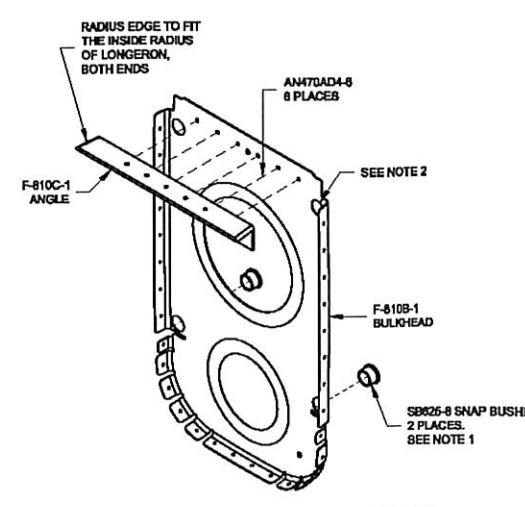
**NOTES:**  
 1. SNAP BUSHINGS FOR RUDDER CABLE ROUTING. INSTALL WHILE ROUTING RUDDER CABLES.  
 2. INSTALL SB825-8 SNAP BUSHING FOR MANUAL ELEVATOR TRIM CABLE ROUTING. LEFT SIDE ONLY.



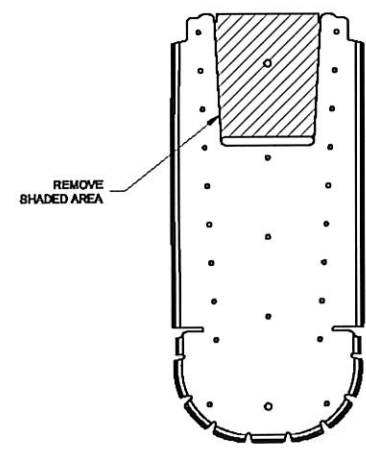
F-808-1 BULKHEAD ASSEMBLY



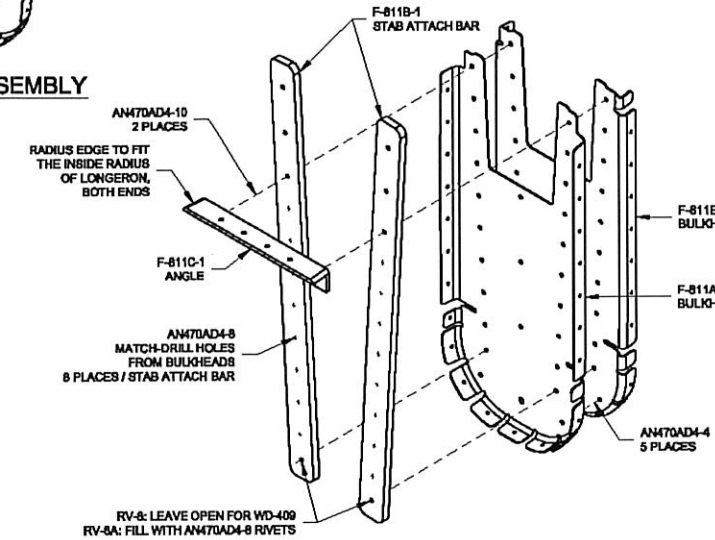
F-809-1 BULKHEAD ASSEMBLY



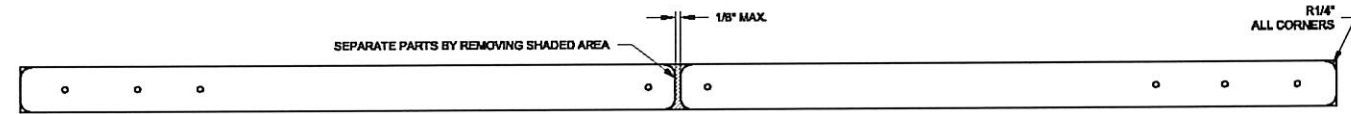
F-810B-1 BULKHEAD ASSEMBLY



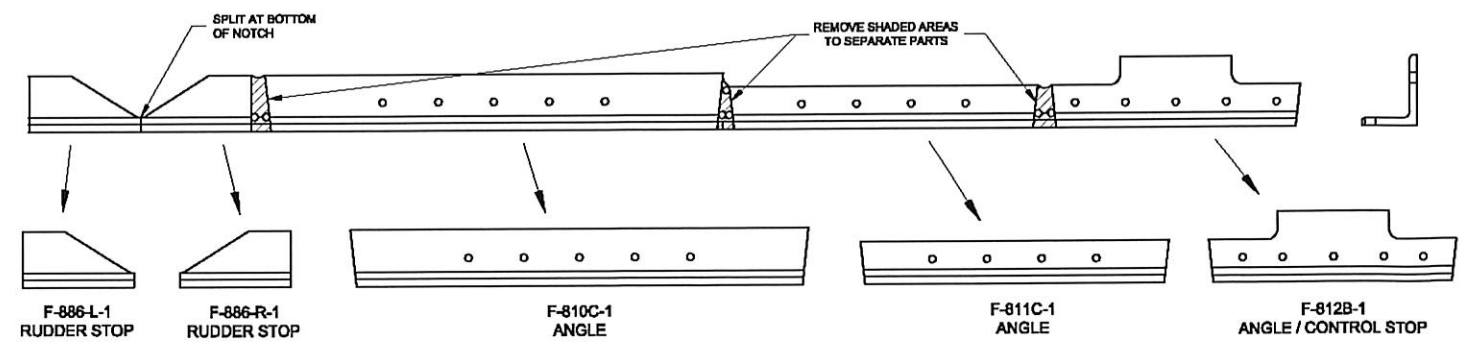
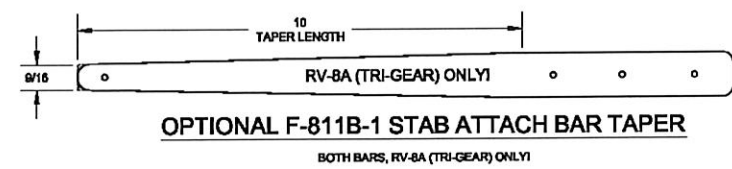
F-811A-1 & E-1 BULKHEAD TRIM



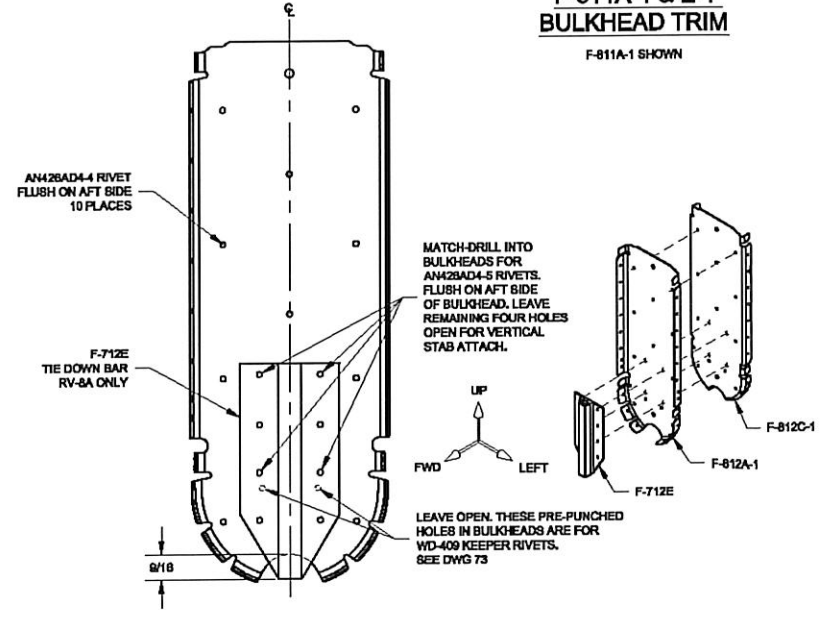
F-811-1 BULKHEAD ASSEMBLY



F-811B-1 STAB ATTACH BAR SEPARATION

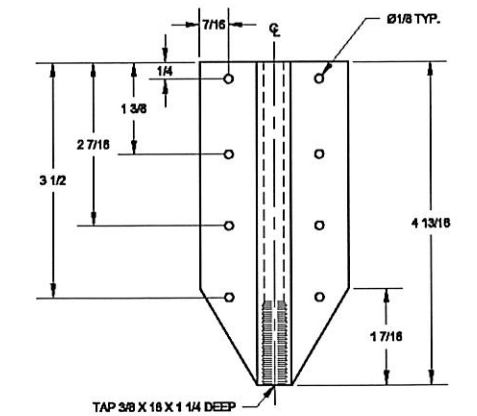


F-800 PARTS SEPARATION



F-812-1 BULKHEAD ASSEMBLY

INSTALL TIE DOWN BAR ON RV-8A ONLY



F-712E TIE DOWN BAR

VAN'S AIRCRAFT, INC. 14401 AVE. XE AURORA, IL 67002 U.S.A.	
AFT FUSE BULKHEADS	
DATE DRAWN: 12/14/05	DRAWN BY: MICHAEL SCHWARTZ
TOLERANCES: NONE	SCALE: AS NOTED
PATH: FILENAME: Q39V-82-OTHER PLANES RV-8 TO RV-8 TO DWG	DWG





SEPERATE PARTS BY REMOVING CONNECT TABS

F-856-1 SPACERS

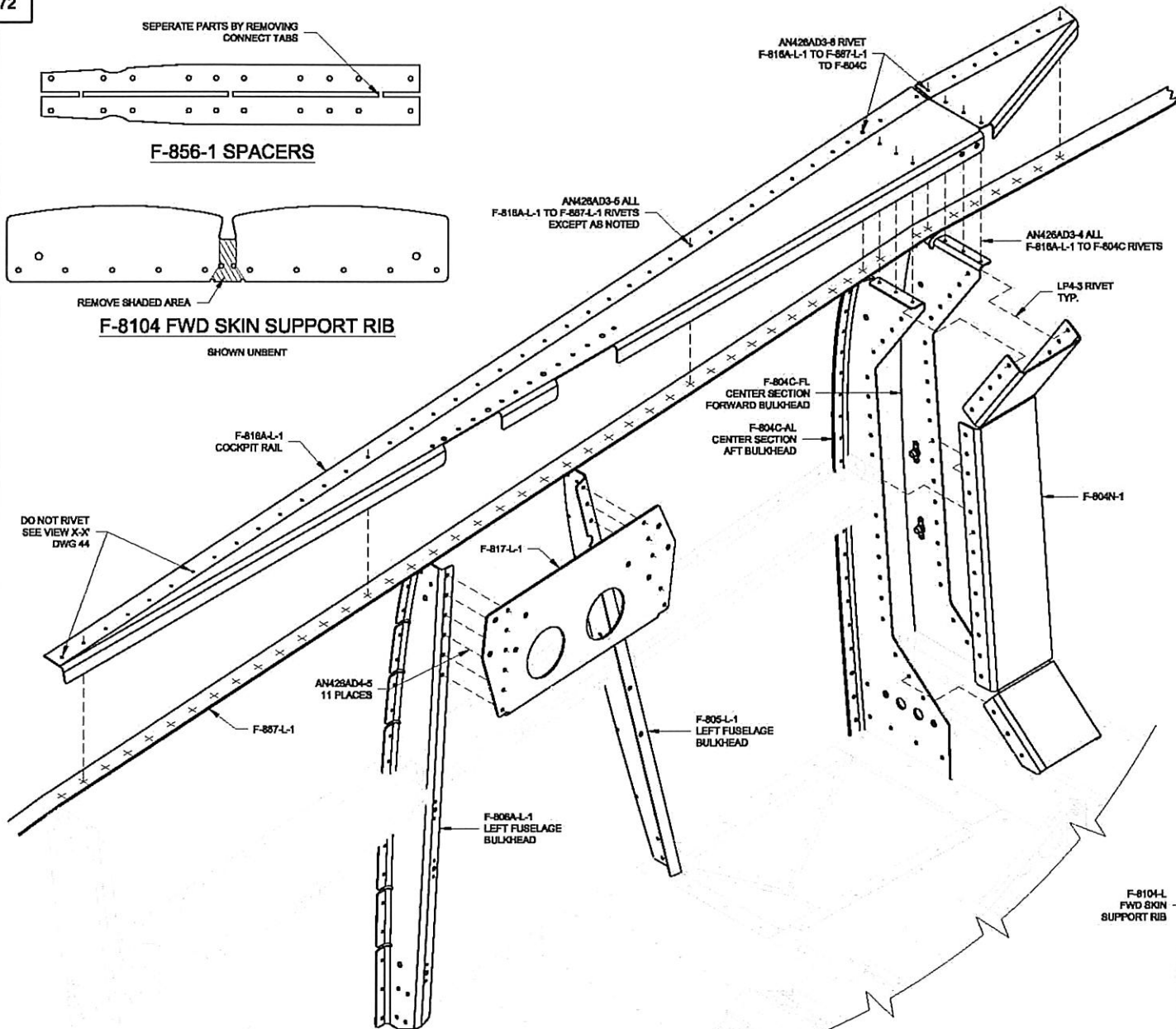


F-8104 FWD SKIN SUPPORT RIB

REMOVE SHADED AREA SHOWN UNBENT

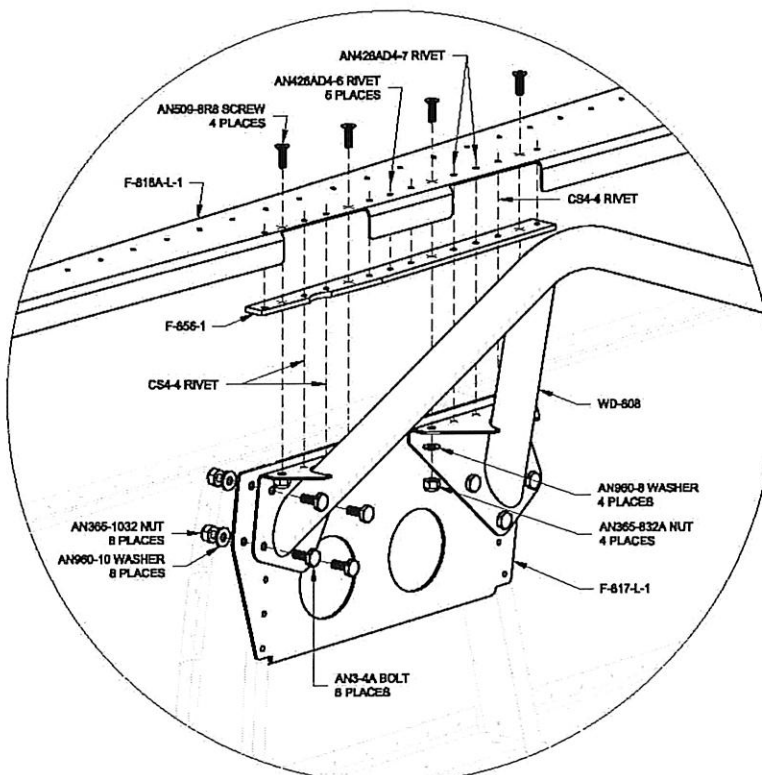


DO NOT RIVET SEE VIEW X-X' DWG 44



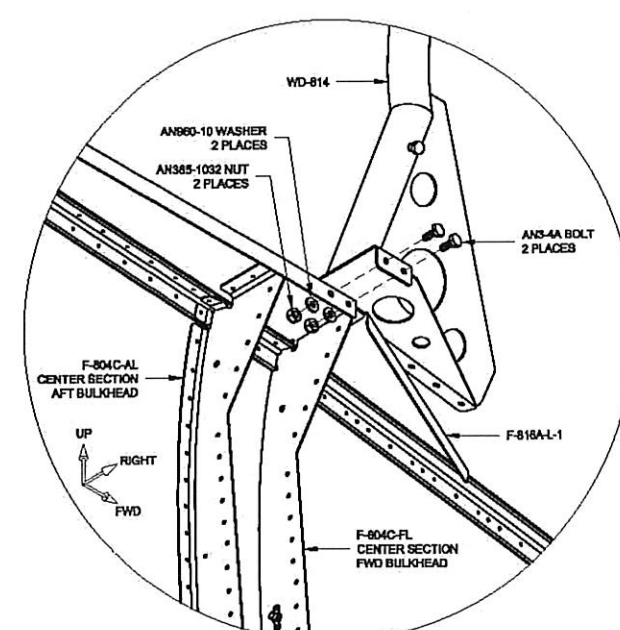
LEFT COCKPIT RAIL

PARTS AND CALLOUTS MIRRORED ABOUT ACFT CENTERLINE



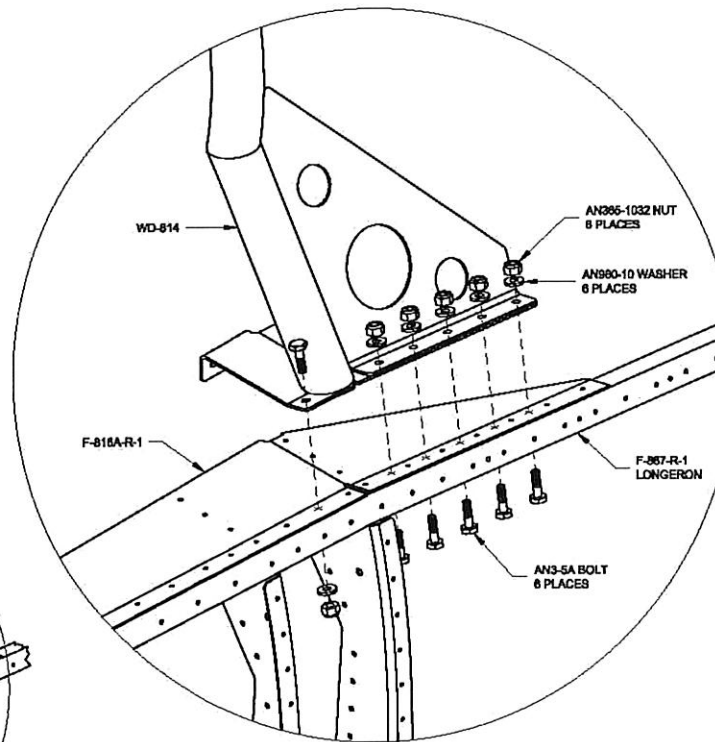
DETAIL A

PARTS AND HARDWARE SYMMETRICAL ABOUT AIRCRAFT CENTERLINE



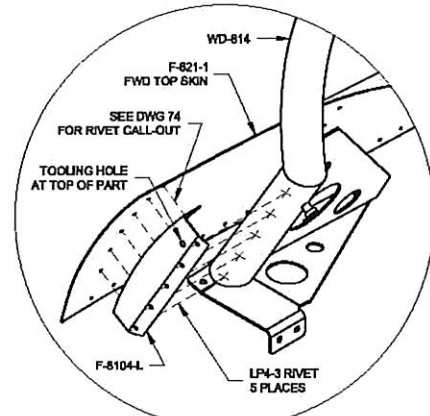
DETAIL B

VIEW DIRECTED UP AND OUTBOARD

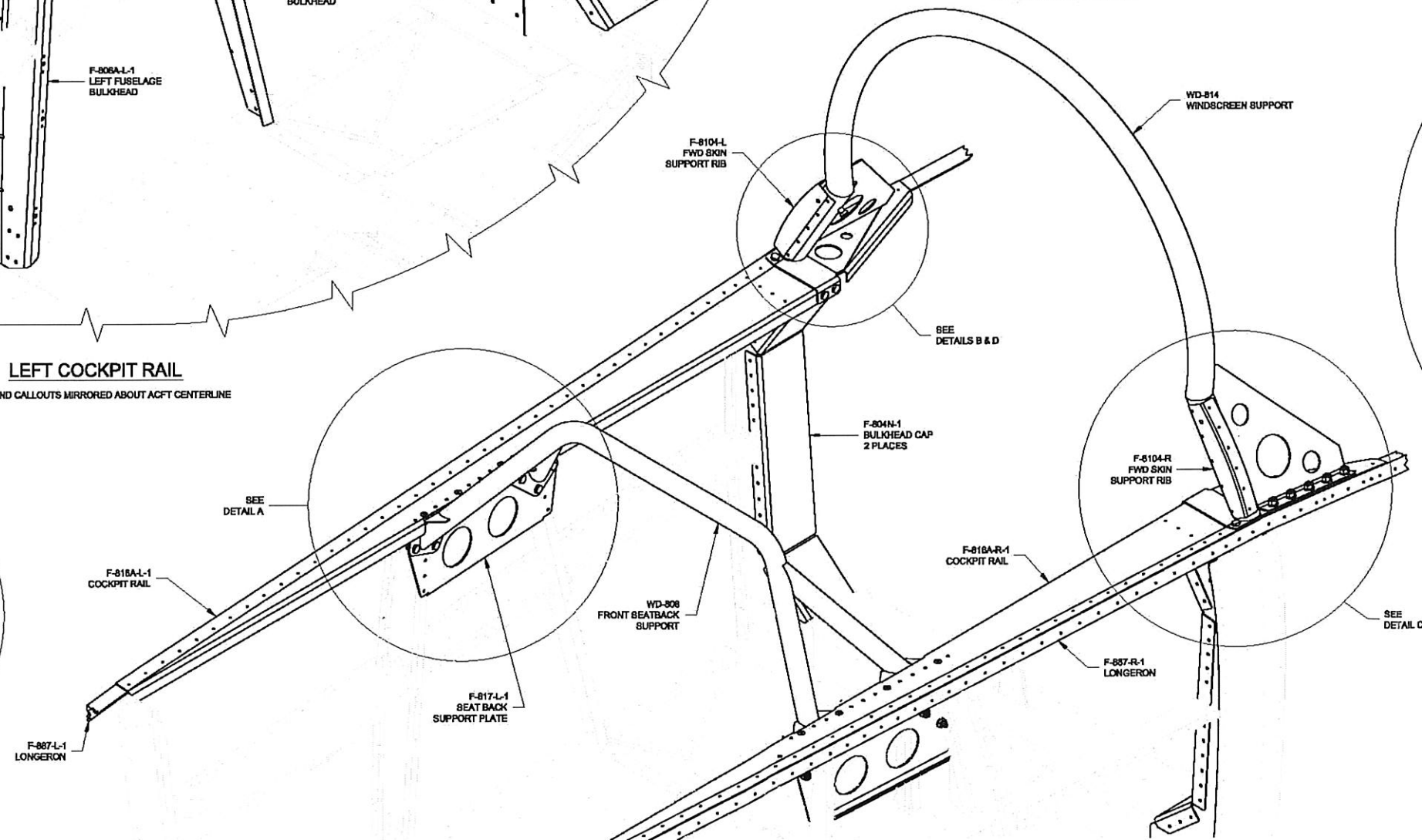


DETAIL C

PARTS AND HARDWARE SYMMETRICAL ABOUT AIRCRAFT CENTERLINE

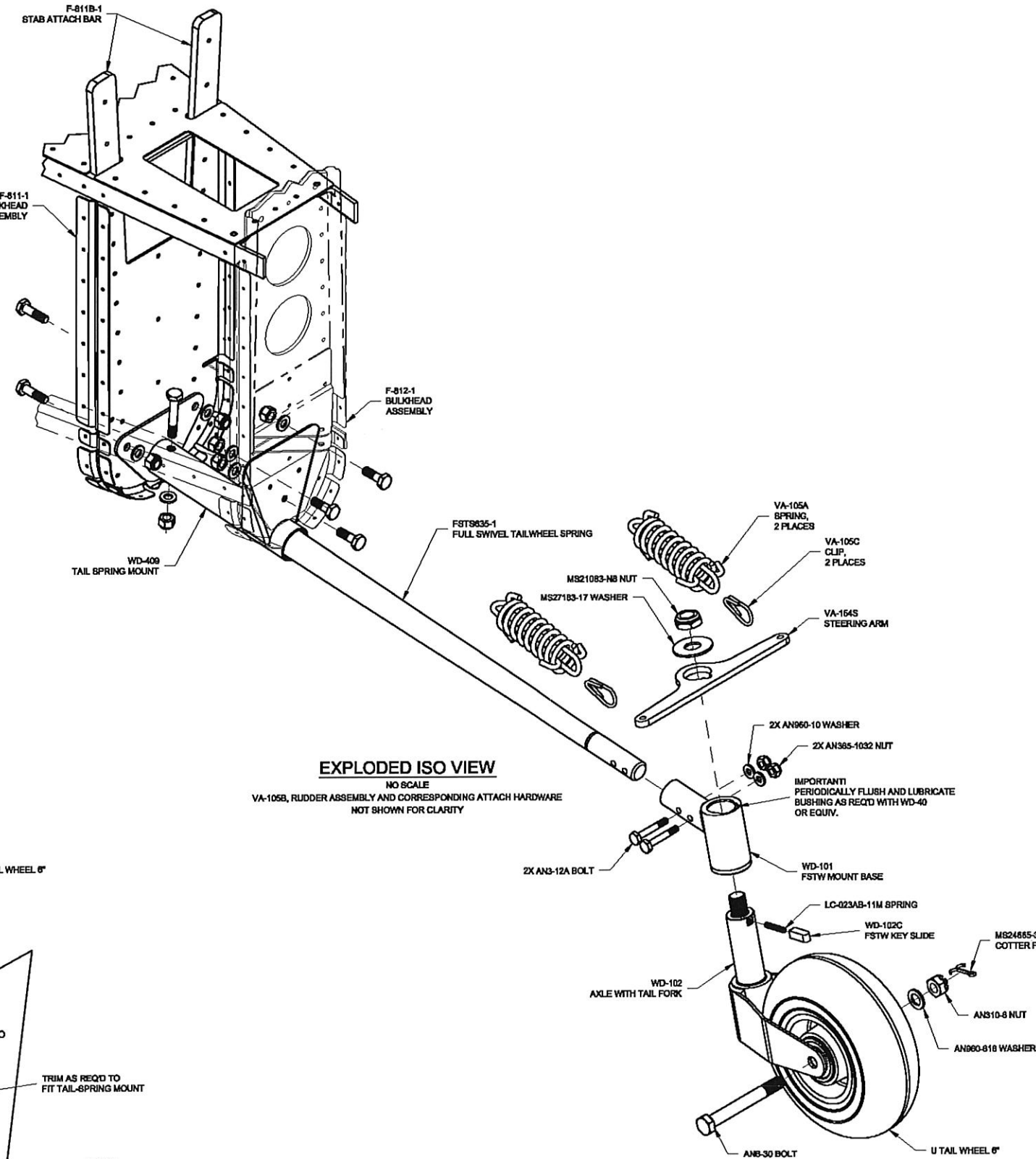
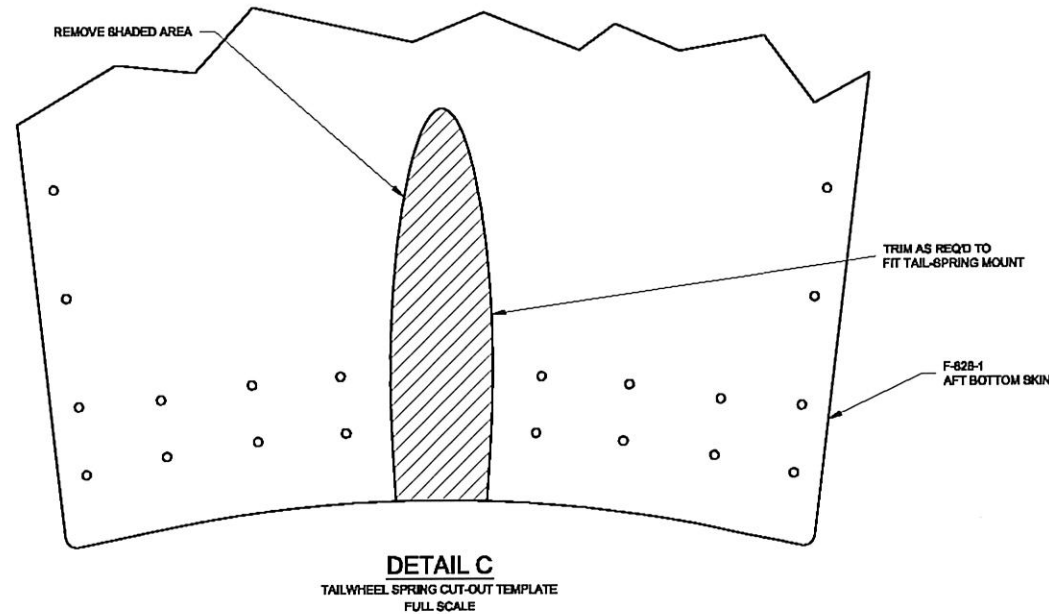
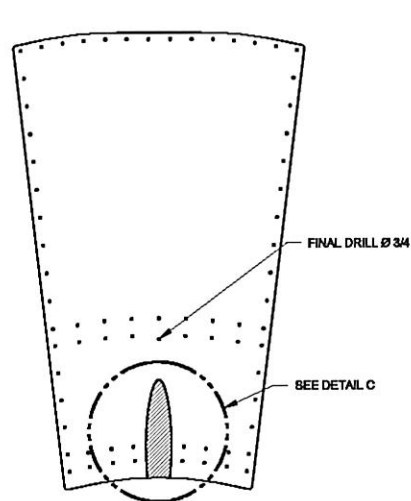
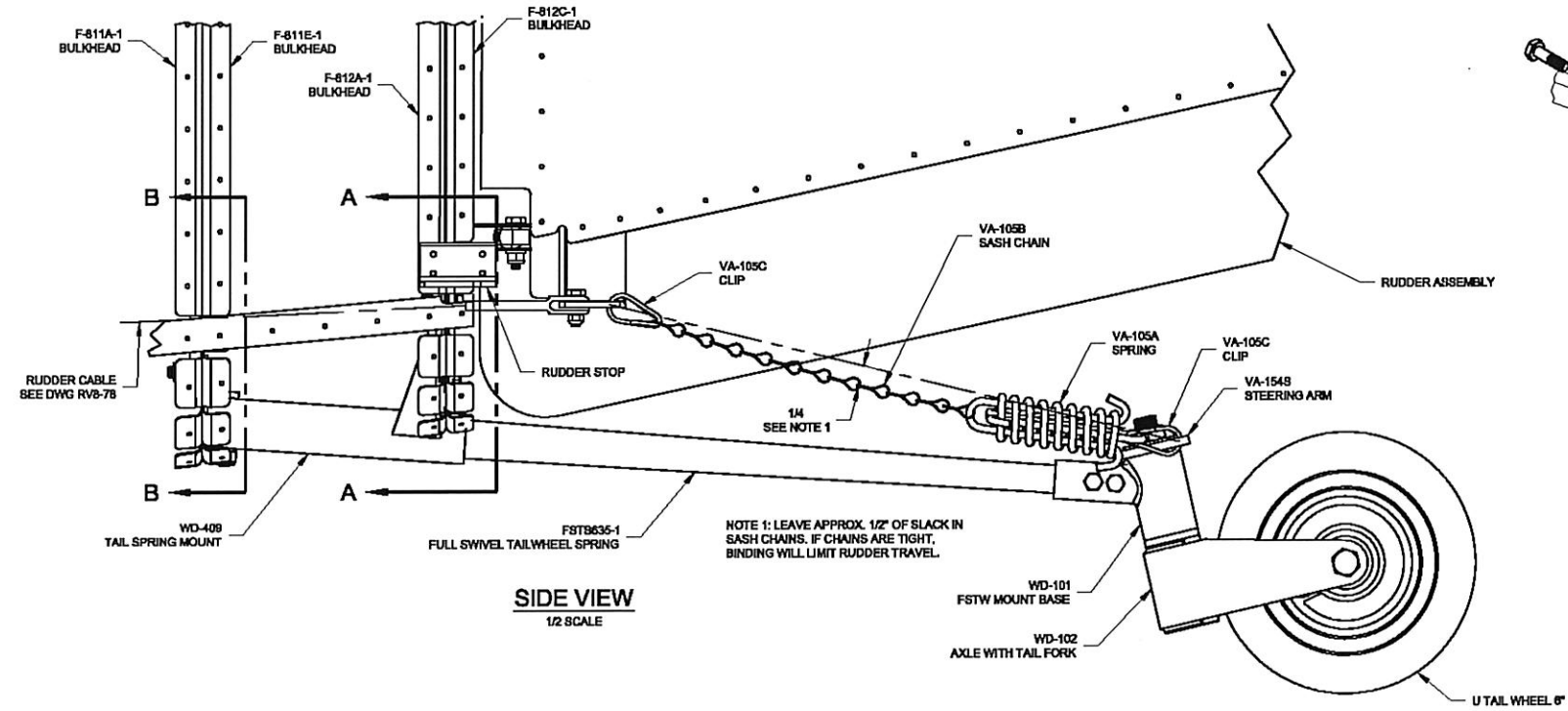
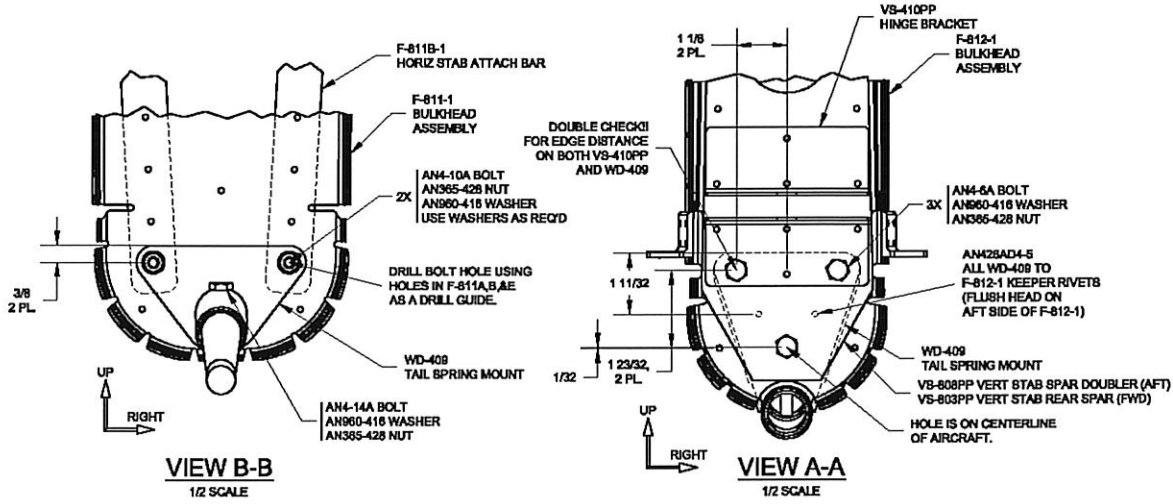


DETAIL D



		VAN'S AIRCRAFT, INC. 14401 NE KEL AUBURN, OR 97002 USA	
<b>COCKPIT RAILS</b>			
DATE DRAWN: 1/20/06	UNITS: INCHES	RV-8 / BA	
DRAWN BY: MICHAEL SCHWARTZ	TOLERANCES: NONE UNLESS OTHERWISE SPECIFIED	SCALE: NONE	D-SIZE ORIG
PART FILE NAME: Q:\RV-8Z-OTHER PLANES\RV-8Z\RV-8Z.DWG			DWG 7



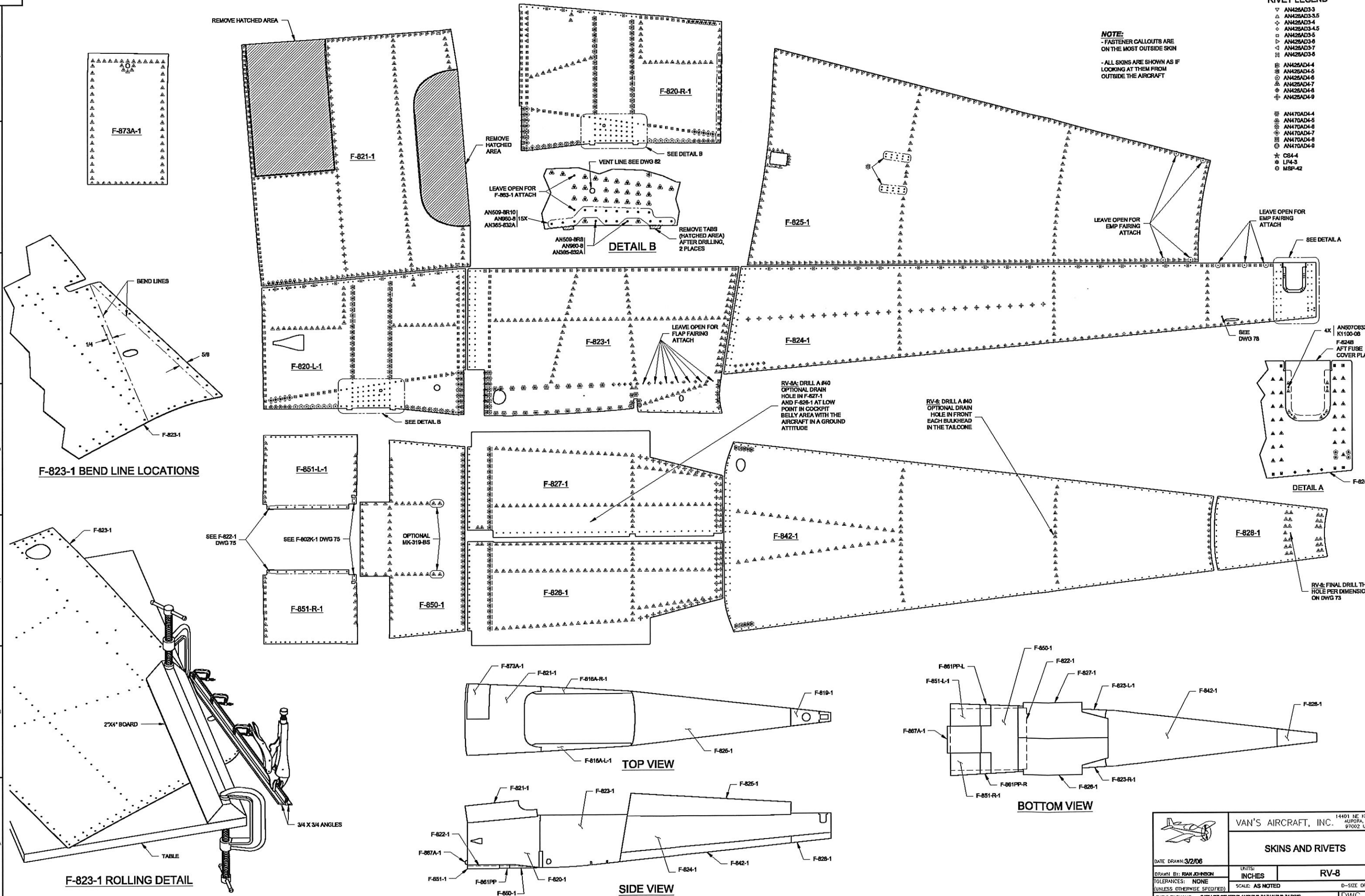



R11ZONE FB: 1 23/32 WAS 7/8		VAN'S AIRCRAFT, INC. 14401 NE AURORA 97002	
DATE DRAWN: 11/15/05		UNITS: INCHES	RV-8
DRAWN BY: RIAN JOHNSON		SCALE: AS NOTED	D-SIZE
TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)		DWG	

RIVET LEGEND

- ▽ AN428AD3-3
- ◇ AN428AD3-4
- AN428AD3-4.5
- △ AN428AD3-5
- AN428AD3-6
- ◇ AN428AD3-7
- △ AN428AD3-8
- ▽ AN428AD4-4
- ◇ AN428AD4-5
- AN428AD4-6
- △ AN428AD4-7
- AN428AD4-8
- ◇ AN428AD4-9
- ▽ AN470AD4-4
- ◇ AN470AD4-5
- AN470AD4-6
- △ AN470AD4-7
- AN470AD4-8
- ◇ AN470AD4-9
- ★ CS4-4
- ◇ LP4-3
- MSP4-2

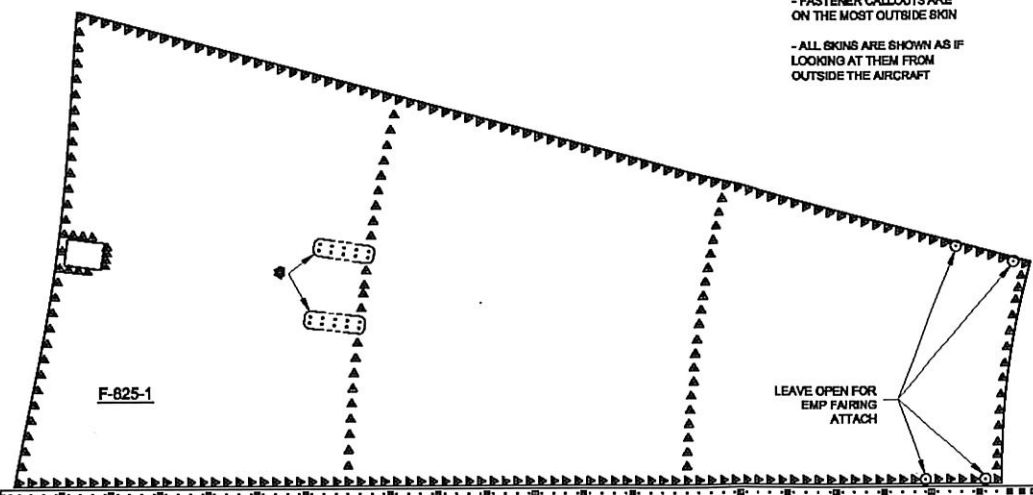
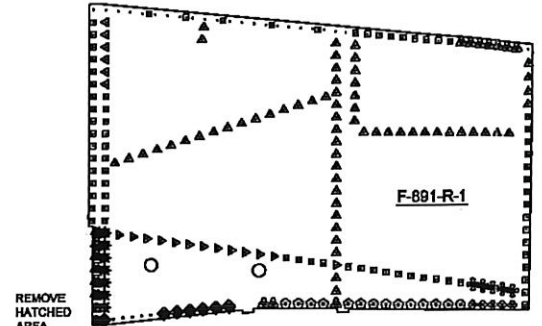
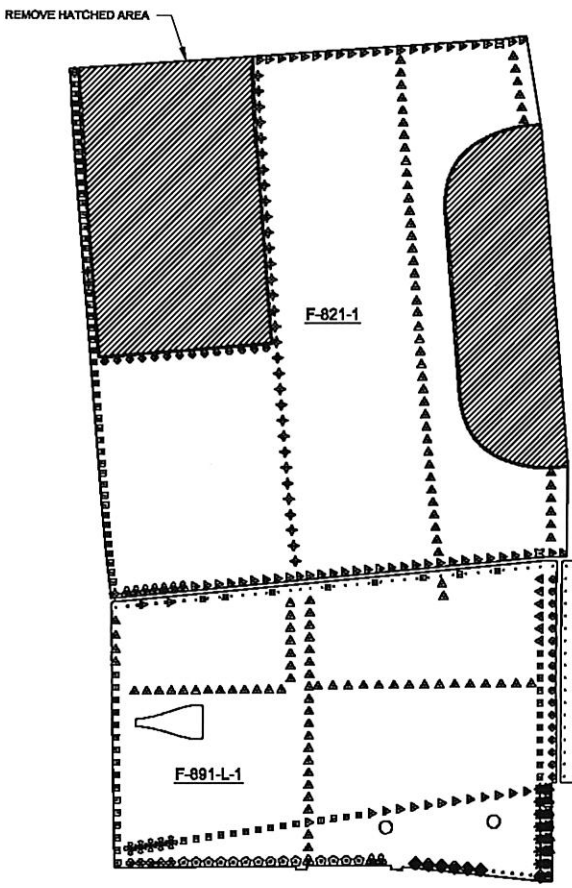
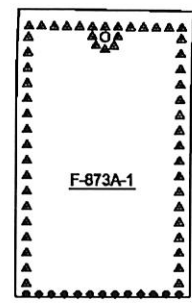
**NOTE:**  
- FASTENER CALLOUTS ARE ON THE MOST OUTSIDE SKIN  
- ALL SKINS ARE SHOWN AS IF LOOKING AT THEM FROM OUTSIDE THE AIRCRAFT



		VAN'S AIRCRAFT, INC. 14401 NE 152nd Aurora, CO 80002 US	
		<b>SKINS AND RIVETS</b>	
DATE DRAWN: 3/2/06	UNITS: INCHES	RV-8	
DRAWN BY: RAN JOHNSON	TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)	SCALE: AS NOTED	D-SIZE DWG
PATH FILENAME: Q:\RV-82 OTHER PLANS\RV-8-747AURV8-74.DWG		DWG	

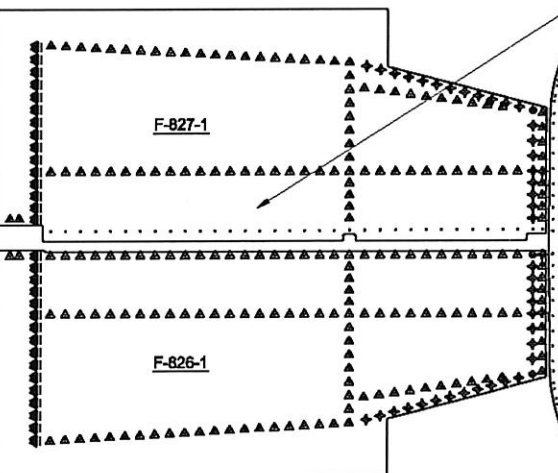
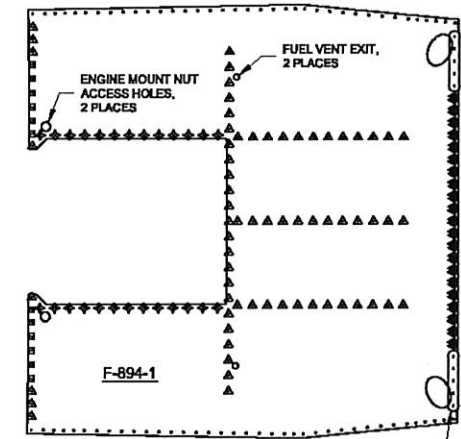
10 9 8 7 6 5 4 3 2 1

G  
F  
E  
D  
C  
B  
A



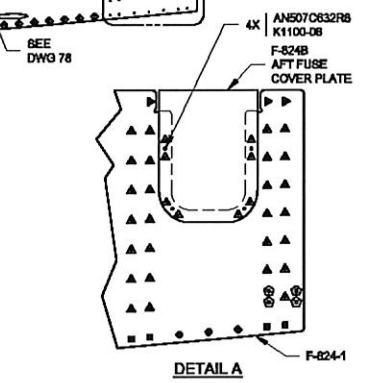
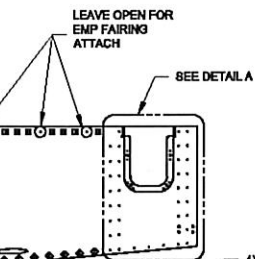
- RIVET LEGEND**
- ▼ AN428AD3-3
  - ▲ AN428AD3-3.5
  - ◆ AN428AD3-4
  - ◇ AN428AD3-4.5
  - ◊ AN428AD3-5
  - ◂ AN428AD3-6
  - ◃ AN428AD3-7
  - ◄ AN428AD3-8
  - ◅ AN428AD3-8
  - ◆ AN428AD4-4
  - ◇ AN428AD4-6
  - ◈ AN428AD4-8
  - ◉ AN428AD4-7
  - ◊ AN428AD4-8
  - ◌ AN428AD4-9
  - ⊙ AN470AD4-4
  - ⊙ AN470AD4-5
  - ⊙ AN470AD4-6
  - ⊙ AN470AD4-7
  - ⊙ AN470AD4-8
  - ⊙ AN470AD4-9
  - ★ CS4-4
  - ☆ LP4-3
  - ⊙ MSP-42

**NOTE:**  
 - FASTENER CALLOUTS ARE ON THE MOST OUTSIDE SKIN  
 - ALL SKINS ARE SHOWN AS IF LOOKING AT THEM FROM OUTSIDE THE AIRCRAFT



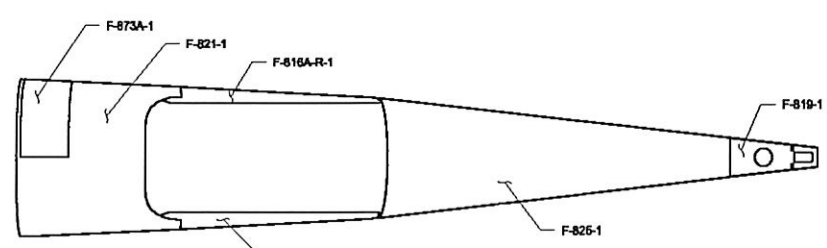
RV-8A: DRILL A #40 OPTIONAL DRAIN HOLE IN F-827-1 AND F-826-1 AT LOW POINT IN COCKPIT BELLY AREA WITH THE AIRCRAFT IN A GROUND ATTITUDE

RV-8: DRILL A #40 OPTIONAL DRAIN HOLE IN FRONT EACH BULKHEAD IN THE TAILCONE

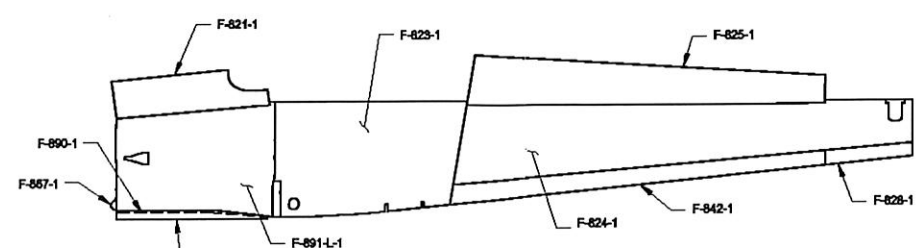


DETAIL A

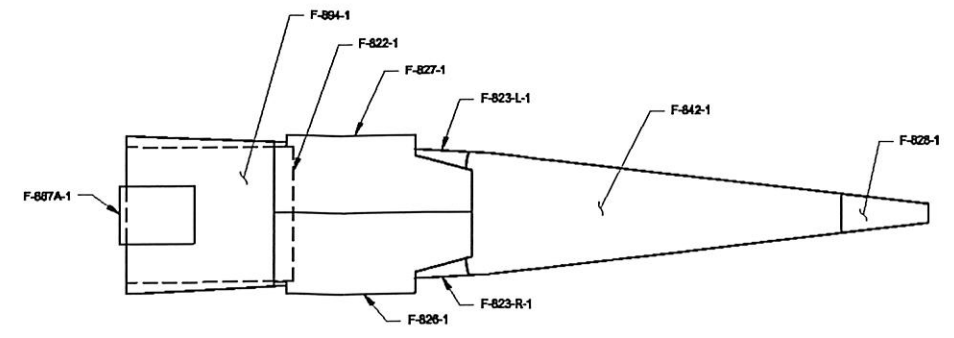
RV-8A: FILL HOLE WITH AN428AD3-3 RIVET



TOP VIEW



SIDE VIEW

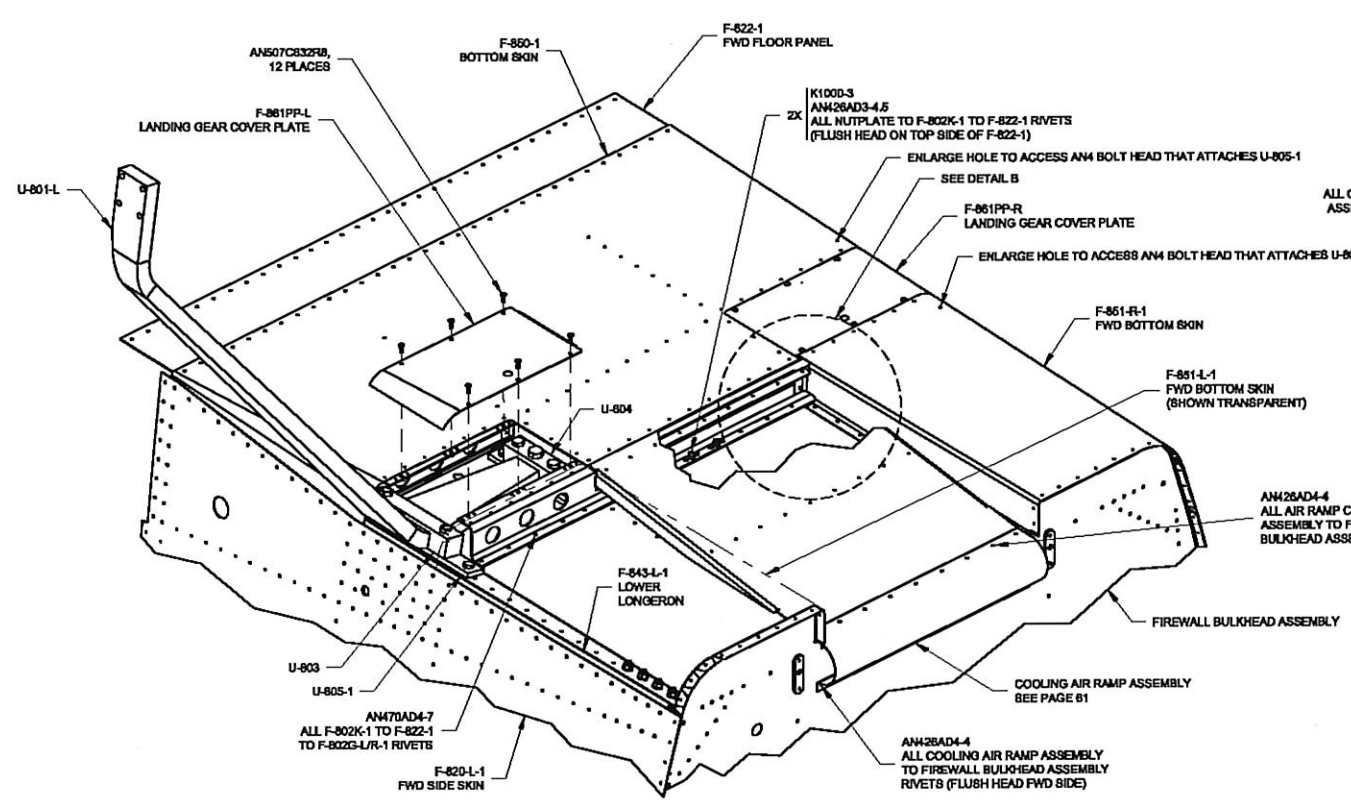


BOTTOM VIEW

	VAN'S AIRCRAFT, INC. 14401 NE KDL R AURORA, OR 97002 USA	
	<b>SKINS AND RIVETS</b>	
DATE: 3/2/06	UNITS: INCHES	RV-8A
DRAWN BY: RIAN JOHNSON	SCALE: AS NOTED	D-SIZE ORGWA
TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)		
PATH/FILENAME: Q:\RV-8Z OTHER PLANS\RV-8Z-74A\RV-8Z-74A.DWG		DWG 74A

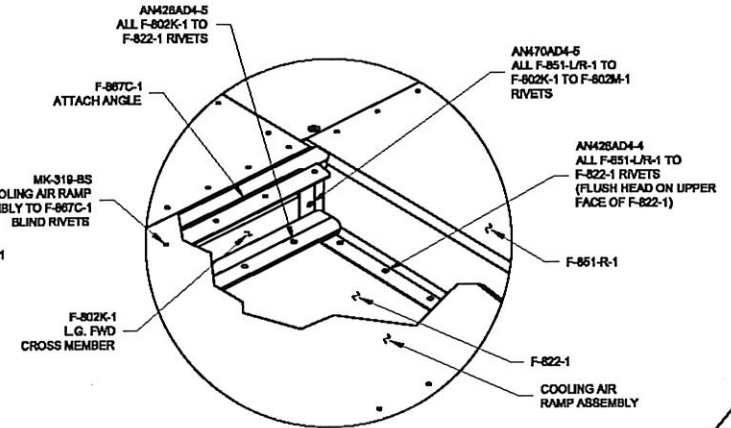
10 9 8 7 6 5 4 3 2 1



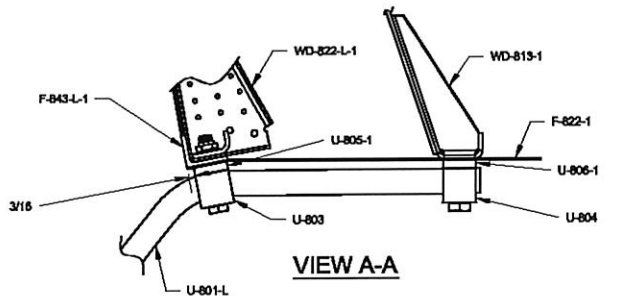


**INSTALLING THE BOTTOM SKINS**

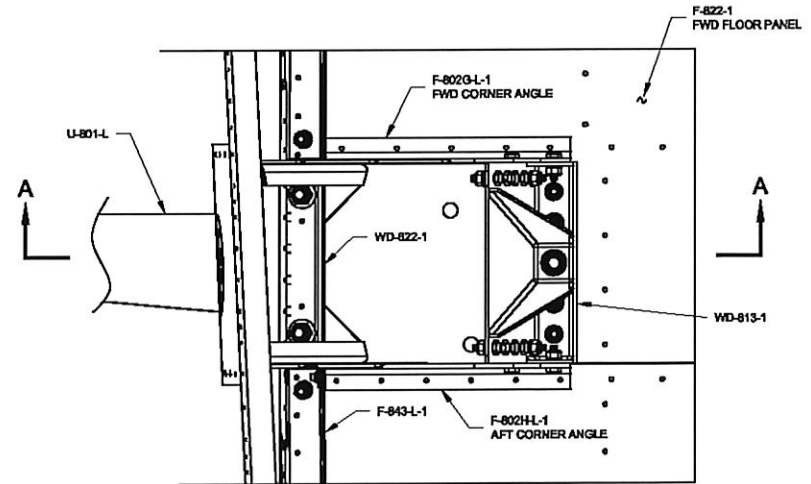
U-801-R NOT SHOWN



**DETAIL B**  
SEE DWG 81 FOR MORE DETAIL



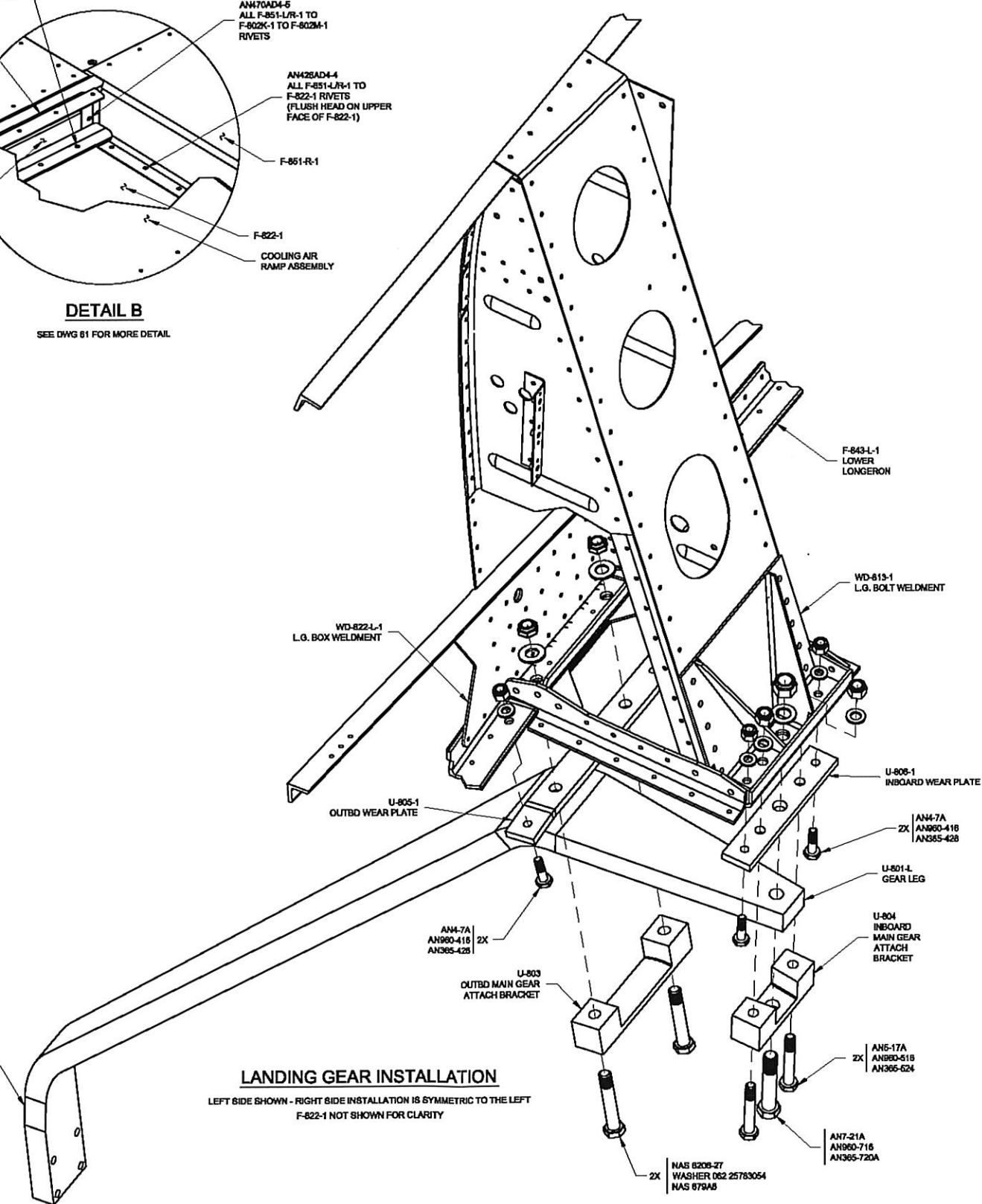
**VIEW A-A**



**TOP VIEW**


SOME PARTS NOT SHOWN

NOTE: SCALLOP IDENTIFIES AFT SIDE OF GEAR LEG

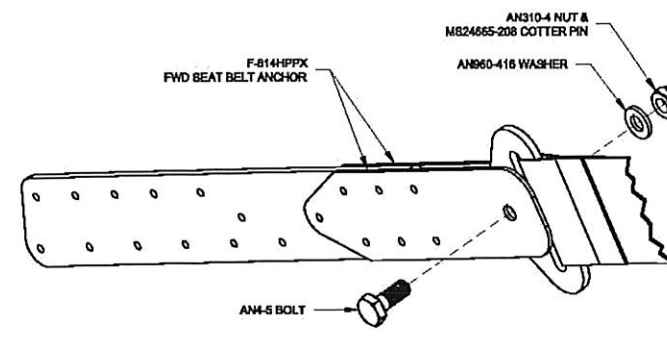
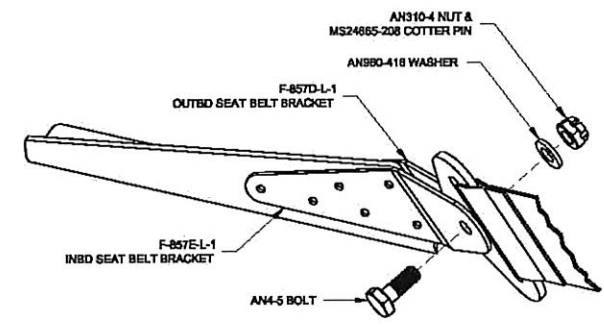
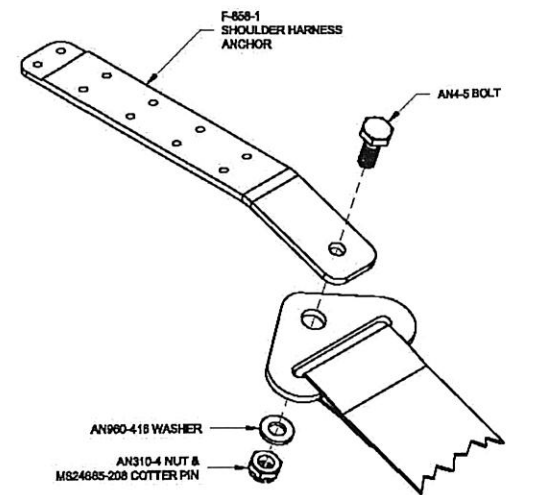
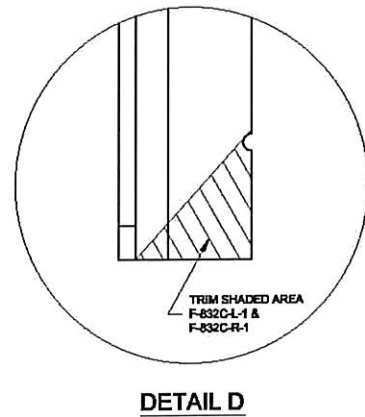
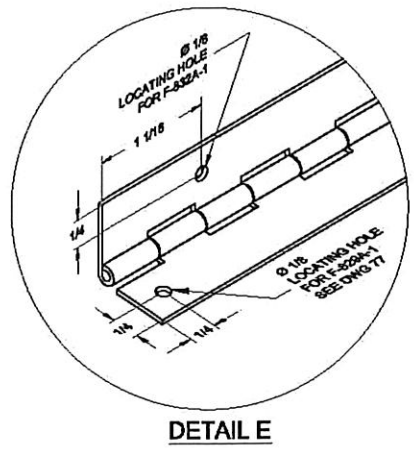
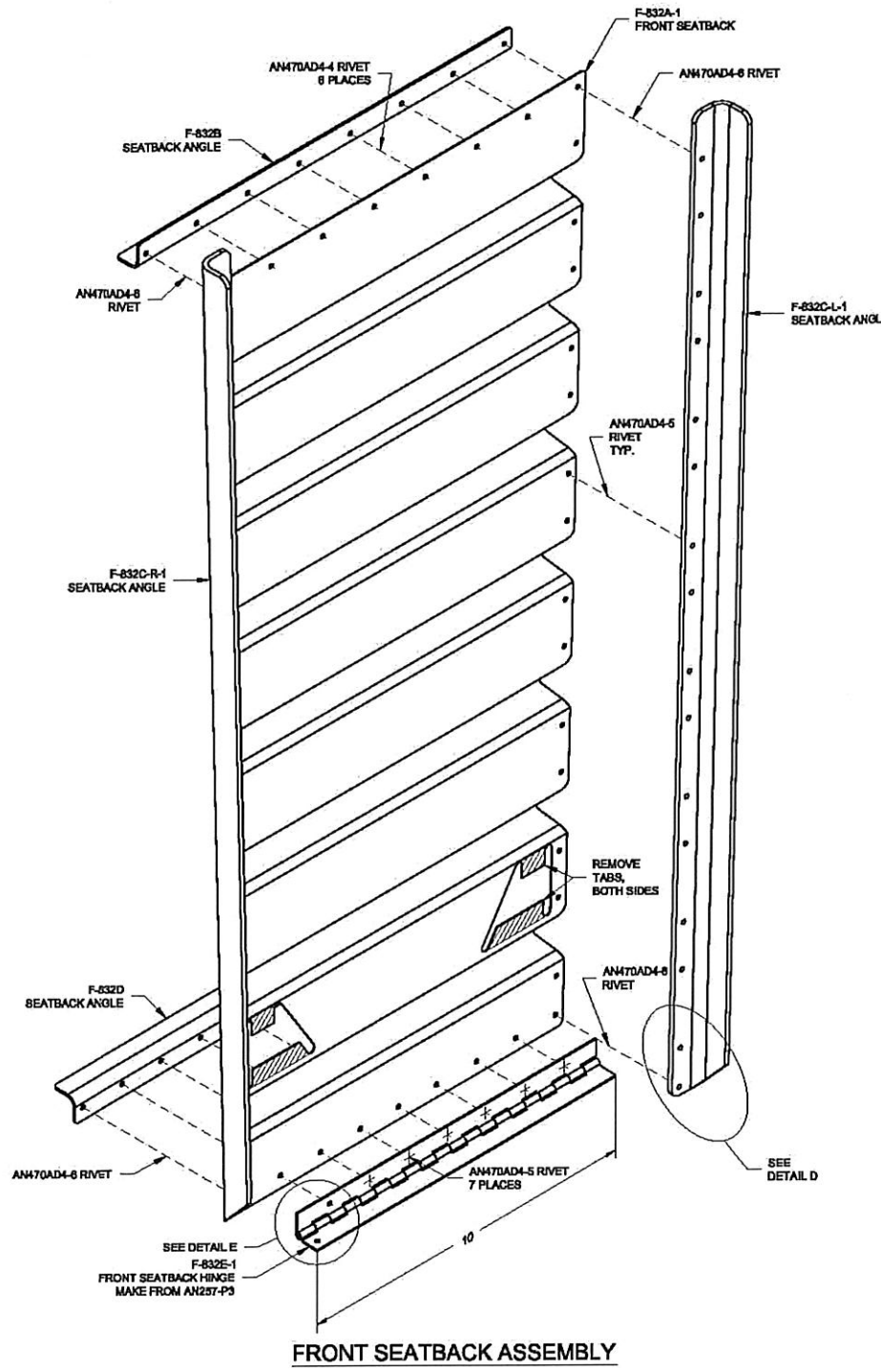
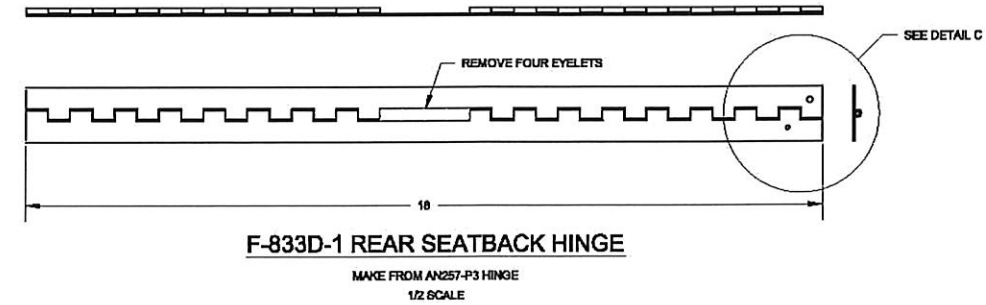
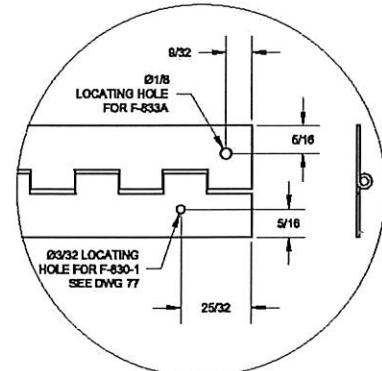
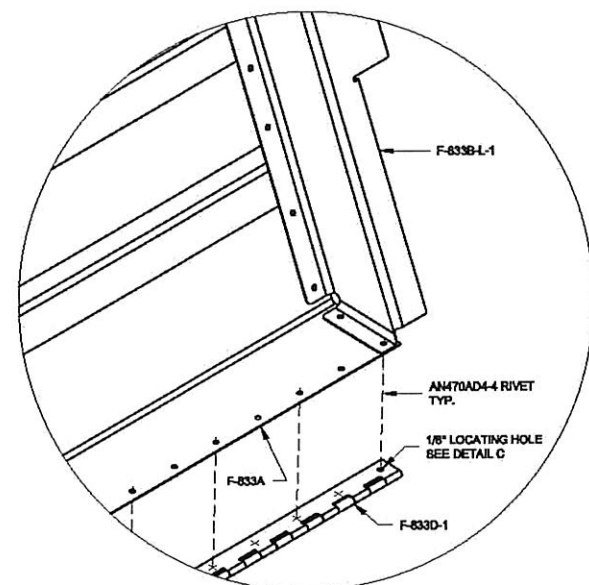
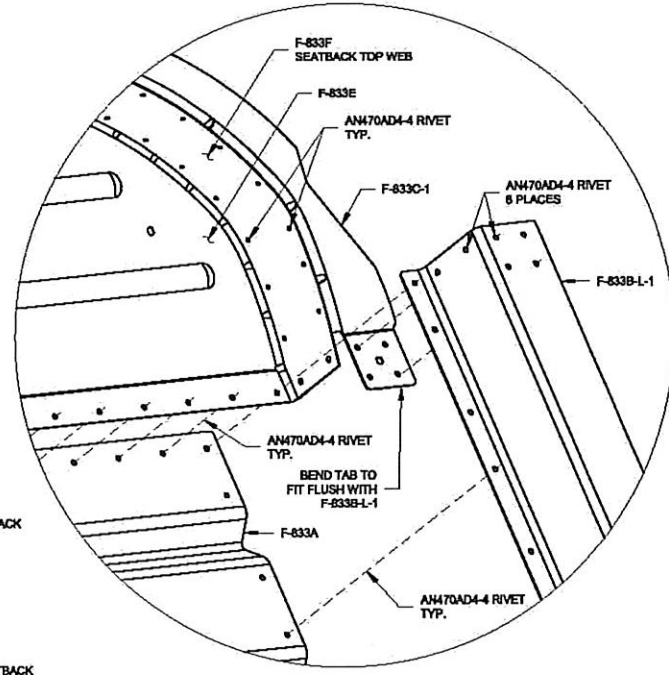
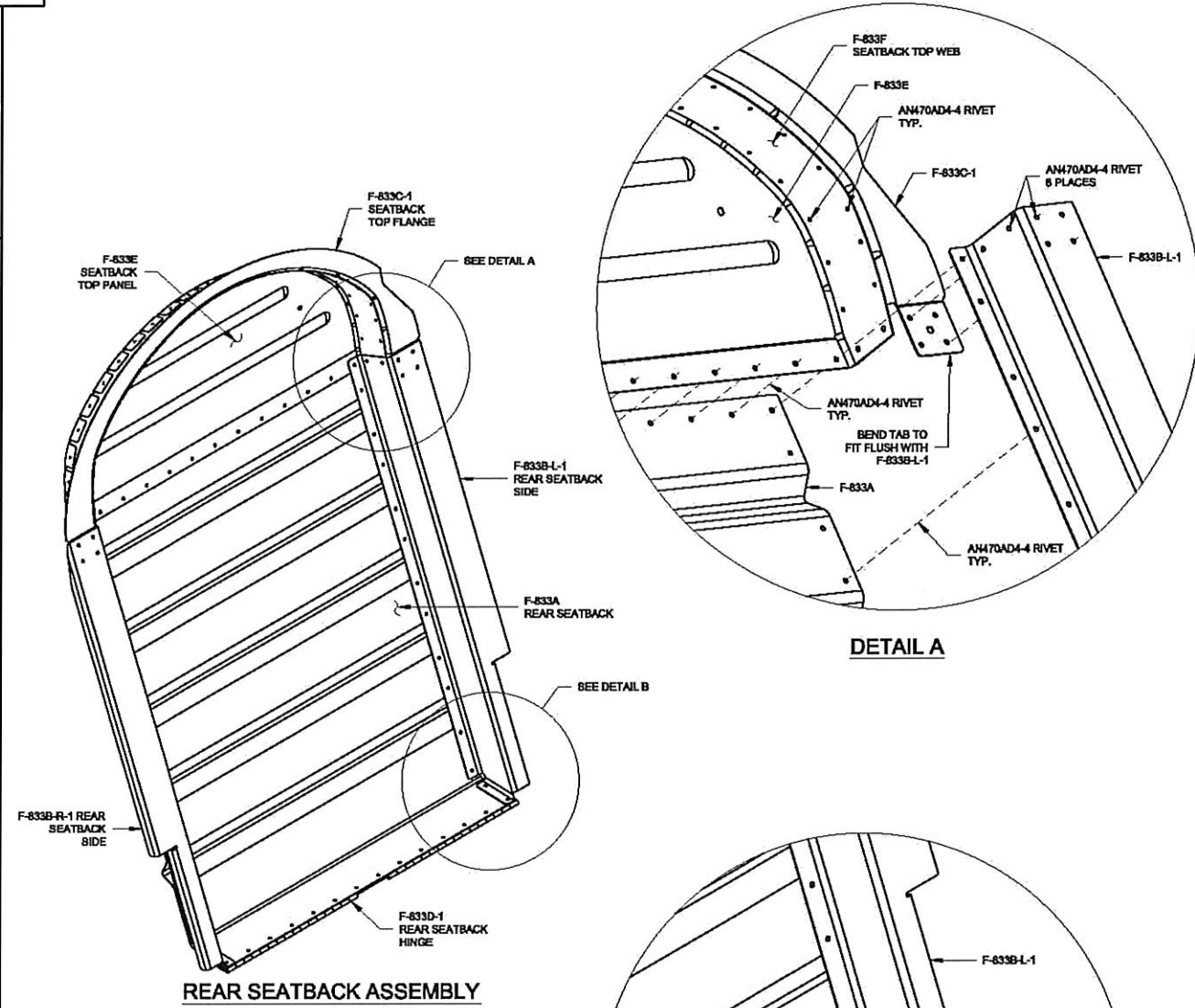


**LANDING GEAR INSTALLATION**

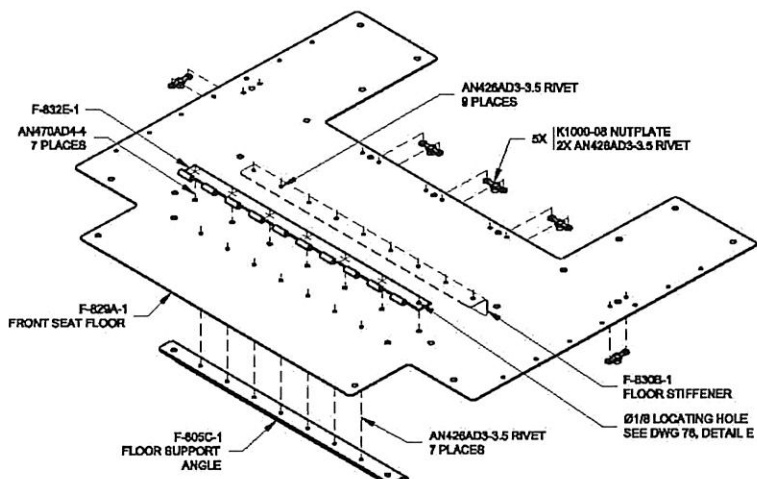
LEFT SIDE SHOWN - RIGHT SIDE INSTALLATION IS SYMMETRIC TO THE LEFT  
F-822-1 NOT SHOWN FOR CLARITY

		<b>VAN'S AIRCRAFT, INC.</b> 14401 NE AURORA 97022	
<b>LANDING GEAR ATTACH</b>			
DATE DRAWN: 11/15/05	UNITS: INCHES	RV-8	
DRAWN BY: RAN JOHNSON	TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)	SCALE: NONE	D-SIZE
PATH\FILENAME: Q:\RV-8Z\OTHER PLANS\RV-8Z\RV-8Z.DWG		DWG	

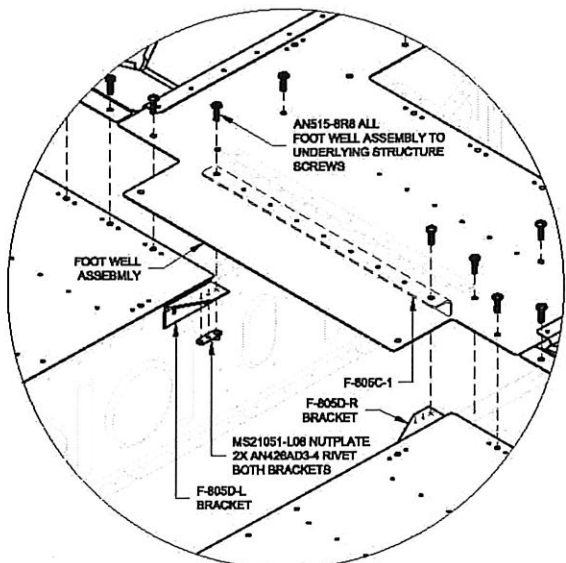
G  
F  
E  
D  
C  
B  
A



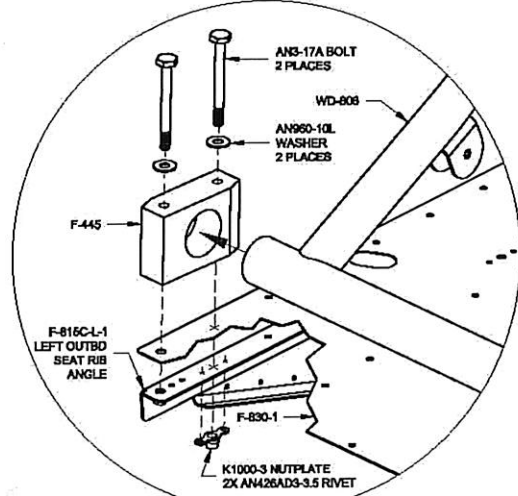
	VAN'S AIRCRAFT, INC. 14401 NE KDL R AURORA, OR 97002 USA	
	<b>SEATBACKS, REAR SHOULDER HARNESS, &amp; SEAT BELT ATTACH</b>	
DATE DRAWN: 2/7/06	UNITS: INCHES	RV-8 / 8A
DRAWN BY: MICHAEL SCHWARTZ	TOLERANCES: NONE	SCALE: NONE
UNLESS OTHERWISE SPECIFIED		D-SIZE (950x4)
PATH: FILENAME: Q:\VW-82 OTHER PLANS\RV-8\RV-8-76.DWG		DWG 76



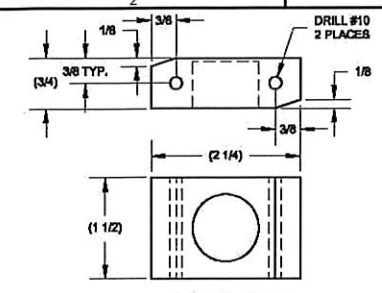
F-829A-1 FRONT SEAT FLOOR ASSEMBLY



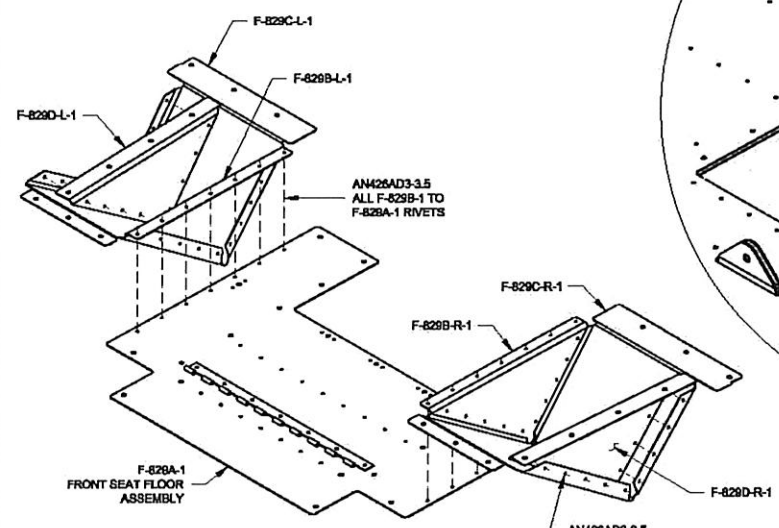
DETAIL A  
SOME PARTS NOT SHOWN FOR CLARITY



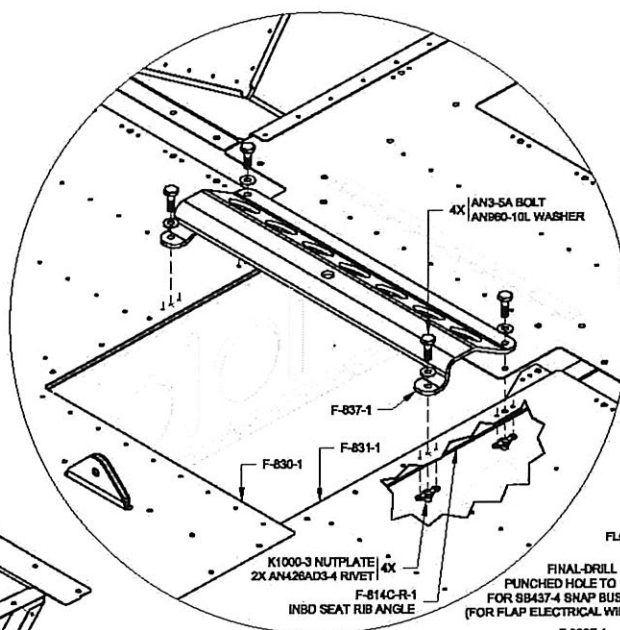
DETAIL D  
PARTS AND HARDWARE MIRRORED ABOUT AIRCRAFT CENTERLINE



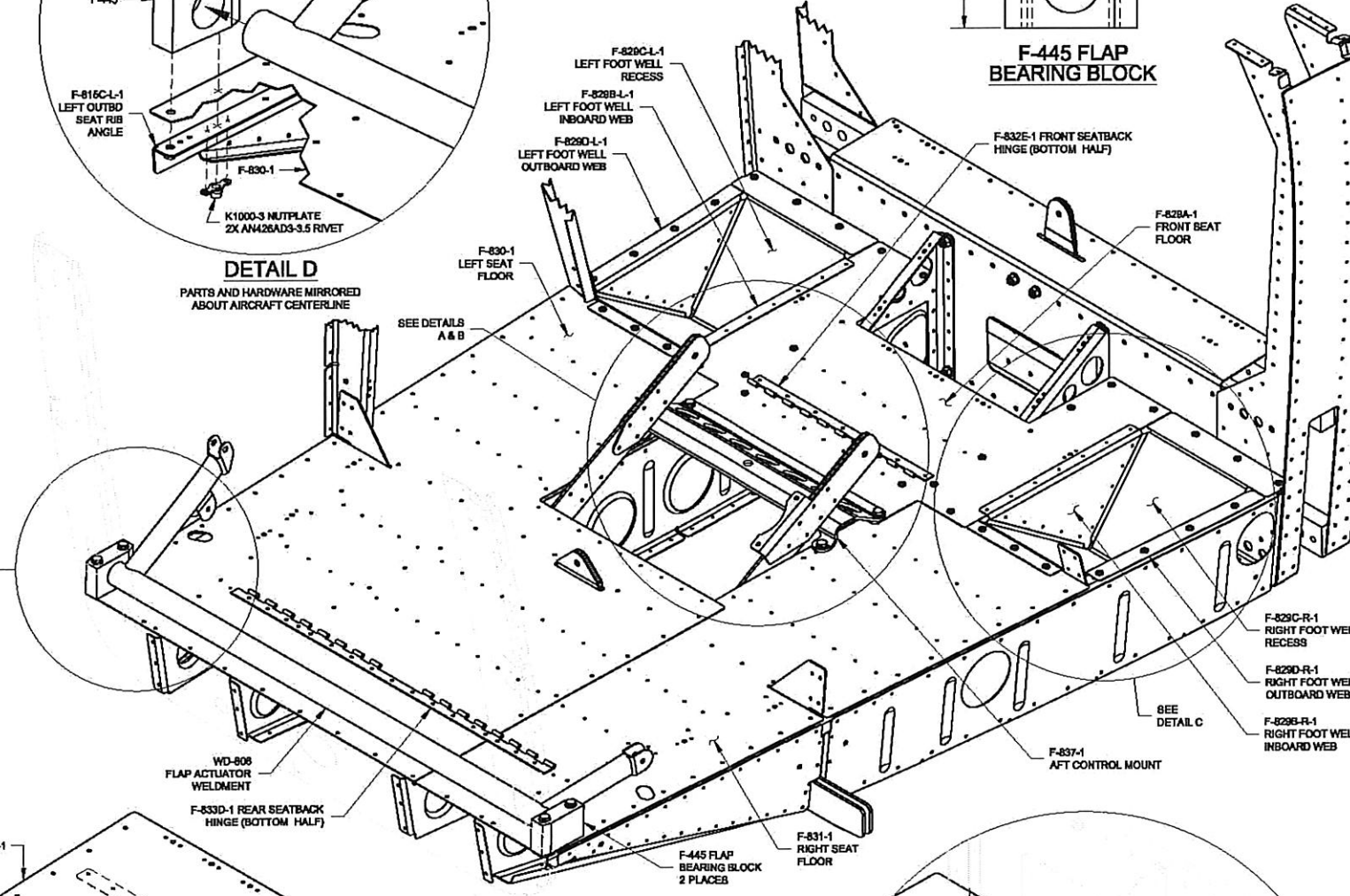
F-445 FLAP BEARING BLOCK



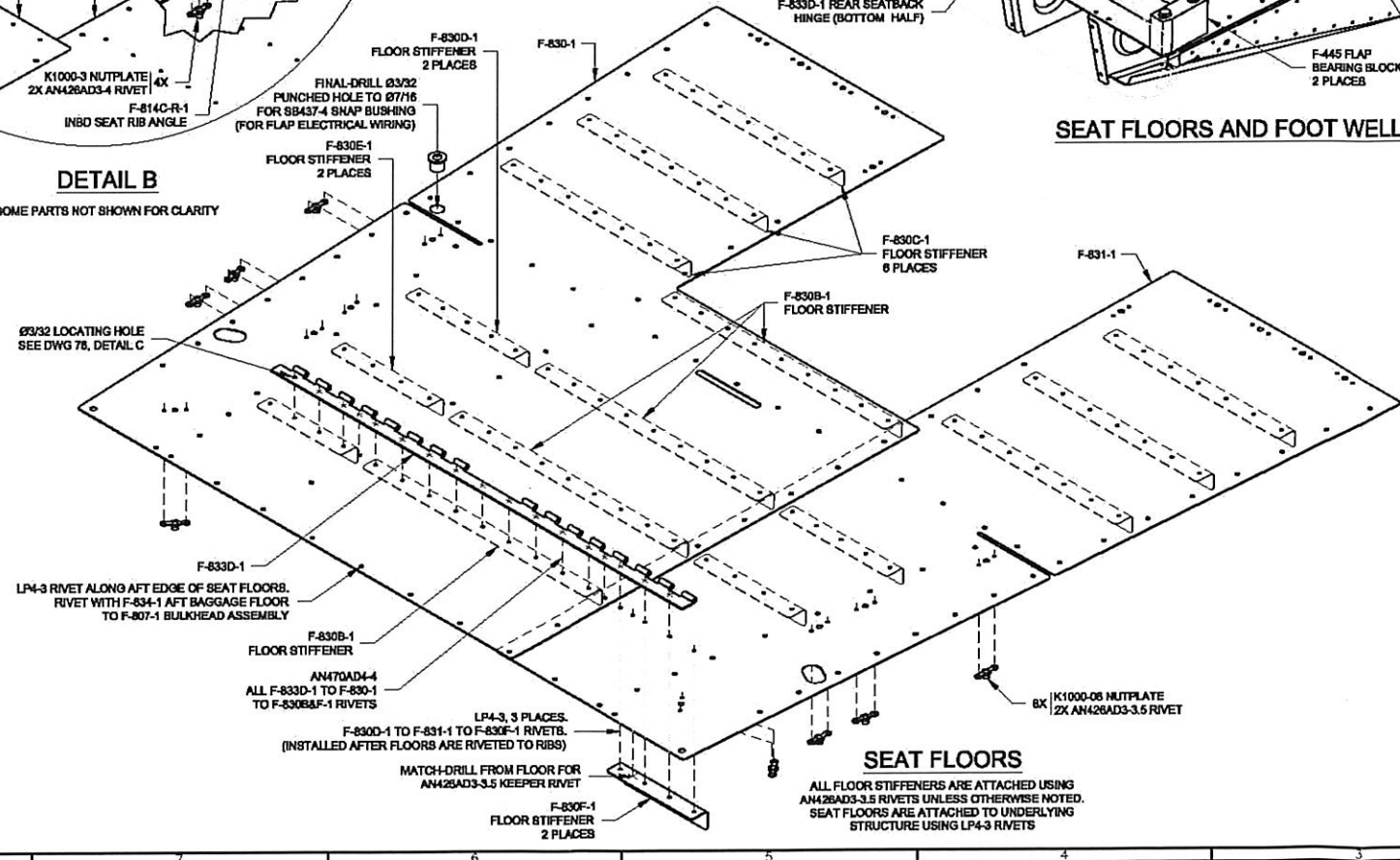
FOOT WELL ASSEMBLY



DETAIL B  
SOME PARTS NOT SHOWN FOR CLARITY

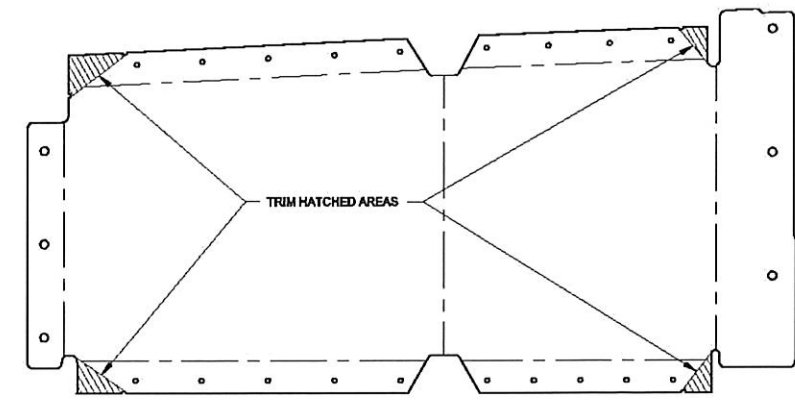


SEAT FLOORS AND FOOT WELLS



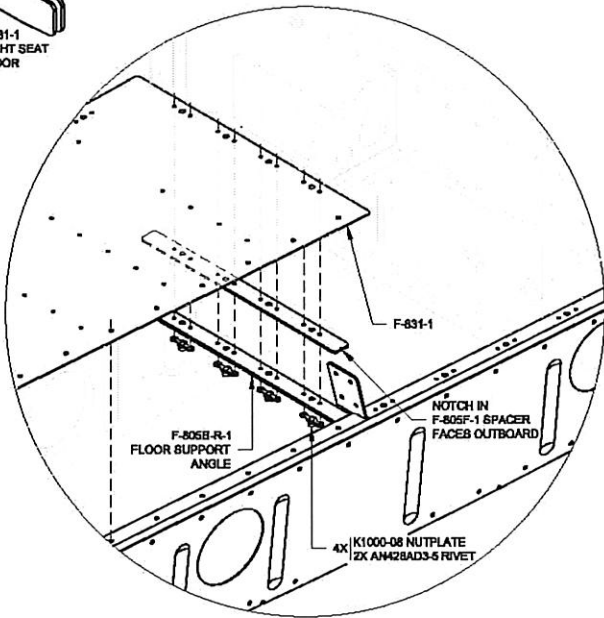
SEAT FLOORS

ALL FLOOR STIFFENERS ARE ATTACHED USING AN426AD3-3.5 RIVETS UNLESS OTHERWISE NOTED. SEAT FLOORS ARE ATTACHED TO UNDERLYING STRUCTURE USING LP4-3 RIVETS



F-829C-1 FOOT WELL RECESS TRIM

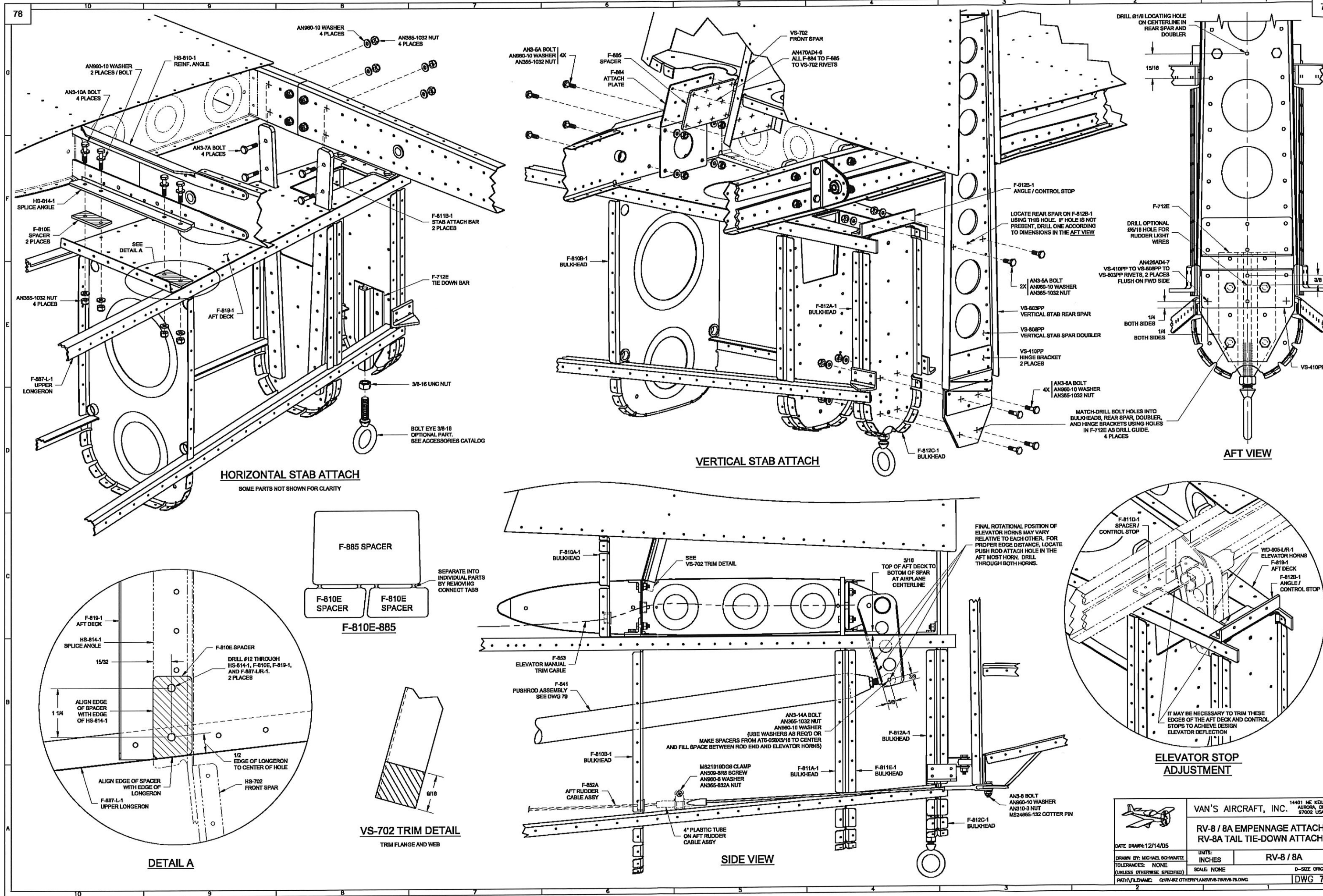
SHOWN UNBENT FOR CLARITY



DETAIL C

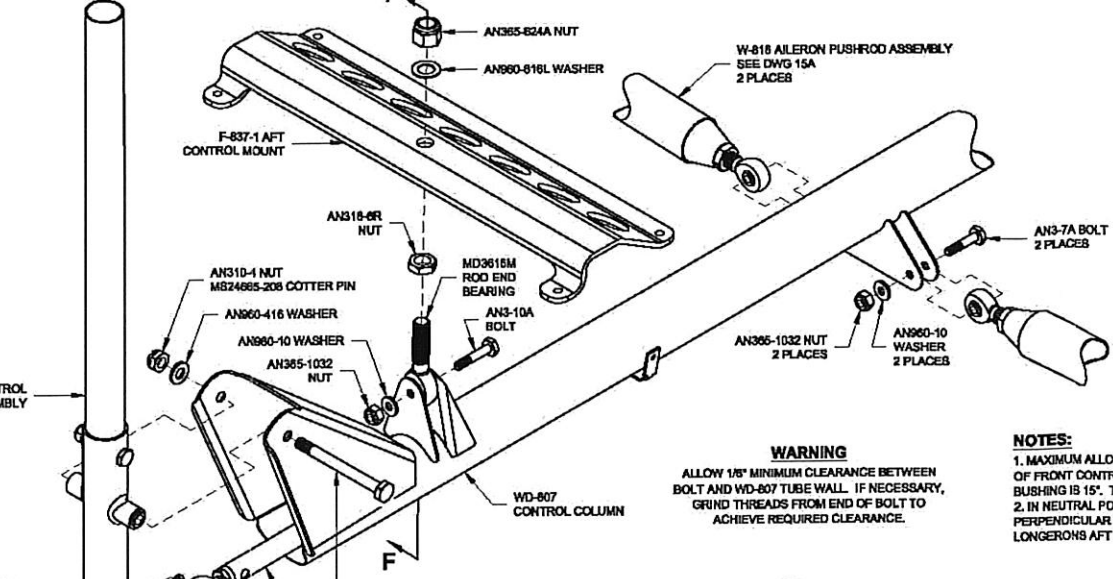
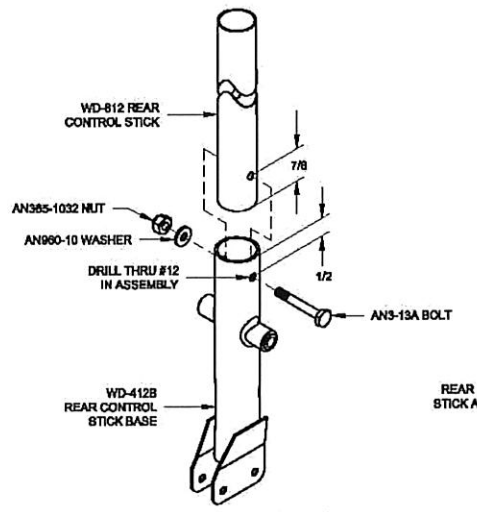
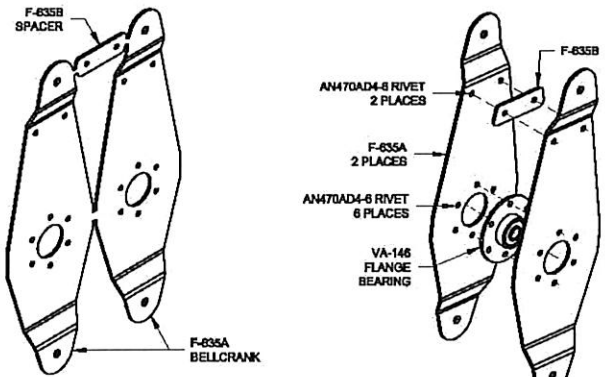
VAN'S AIRCRAFT, INC. 14401 NE K... ALPORA, 97002 U	
SEAT FLOORS & FOOT WELLS	
DATE DRAWN: 1/12/06	UNITS: INCHES
DRAWN BY: MICHAEL SCHWARTZ	RV-8 / 8A
TOLERANCES: NONE	SCALE: NONE
UNLESS OTHERWISE SPECIFIED	D-SIZE OR
PATH/FILE NAME: QSRV-8Z OTHER PLANES RV-8-77RVB-77.DWG	DWG





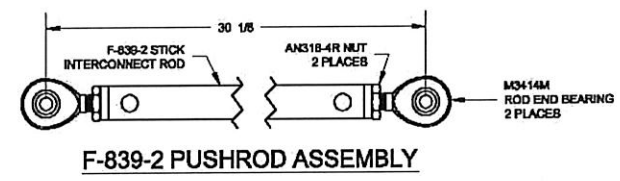
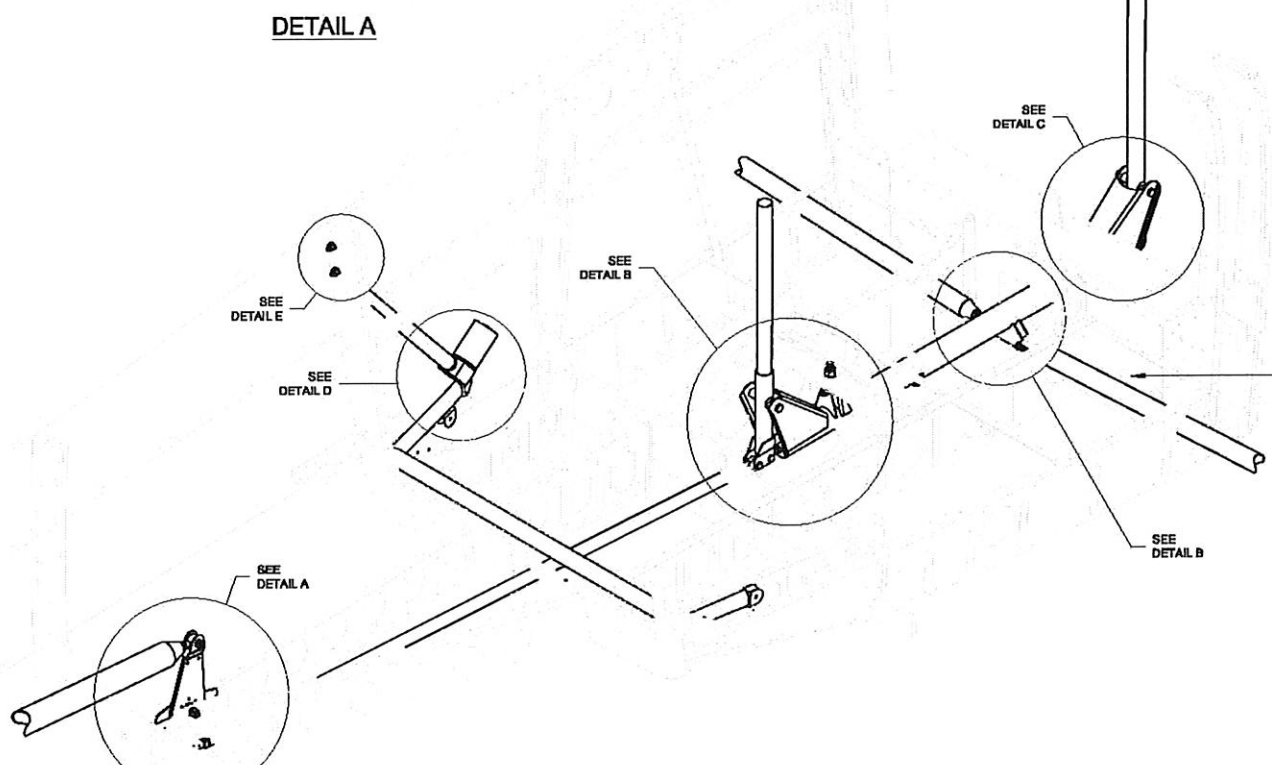
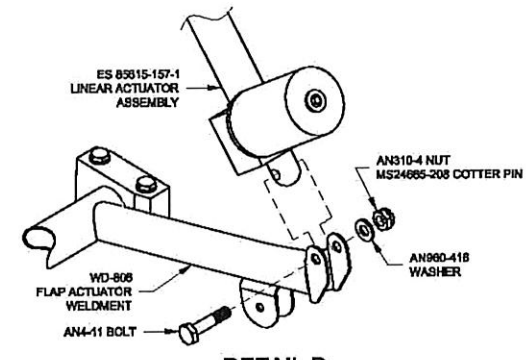
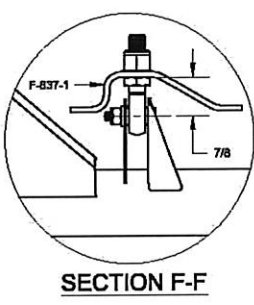
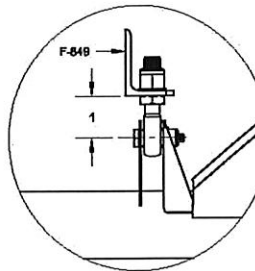
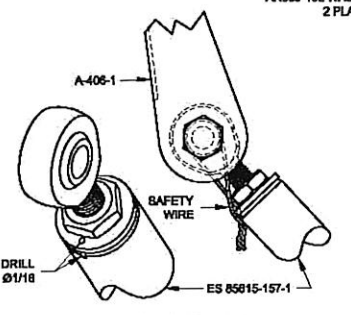
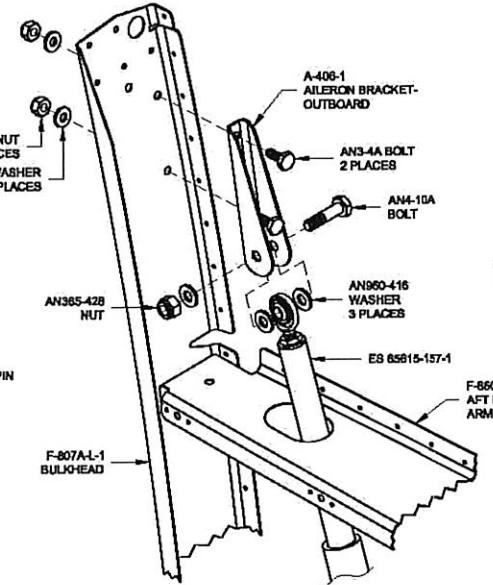
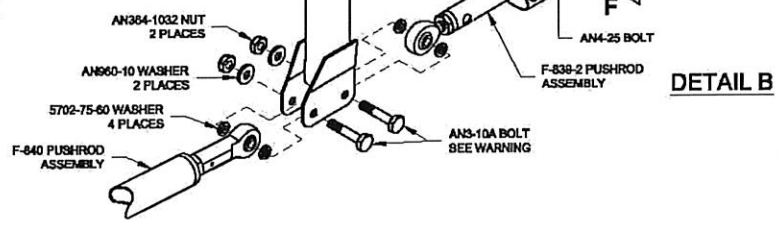
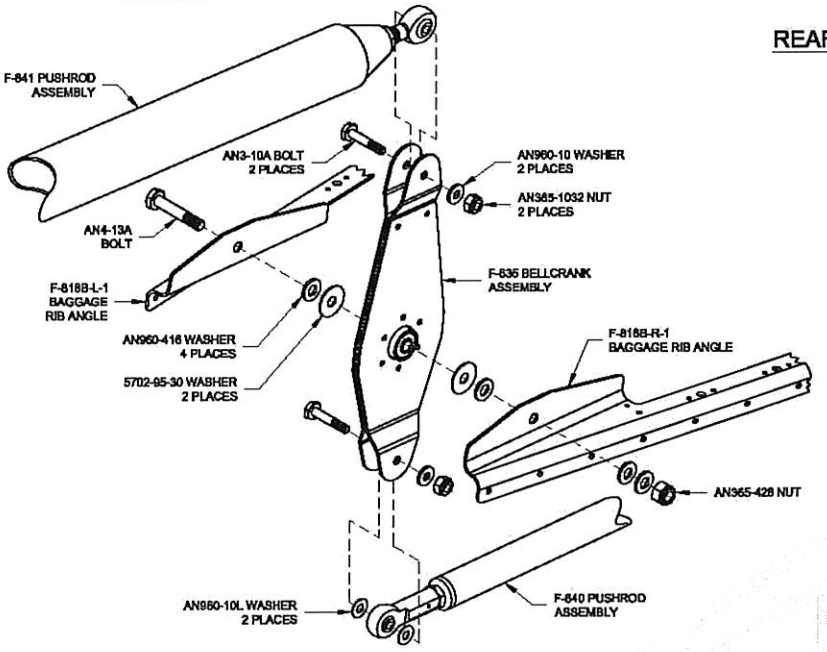
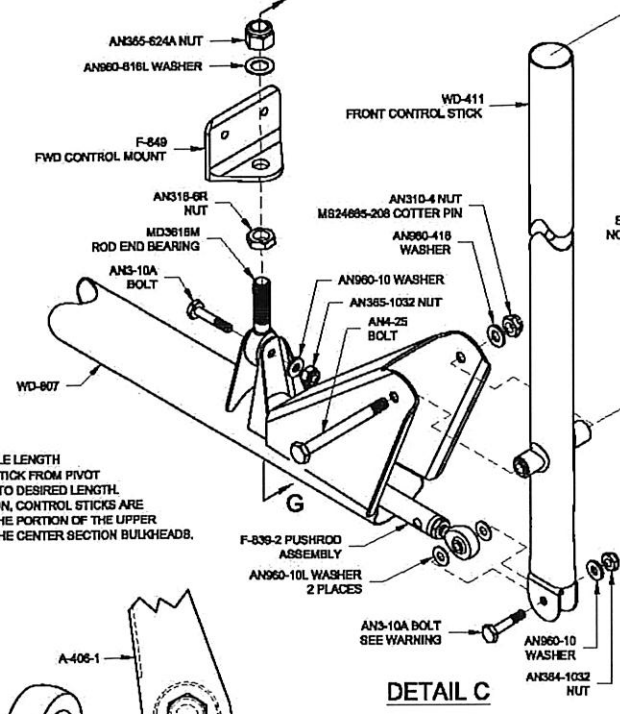
		VAN'S AIRCRAFT, INC. 14401 NE KELLY AVE. SUITE 100, VANCOUVER, WA 98088 USA	
DATE DRAWN: 12/14/05		UNITS: INCHES	
DRAWN BY: MICHAEL SCHWARTZ		SCALE: NONE	
TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)		D-SIZE ORIGIN	
PATH: \FILES\RV-8\OTHER\PLANS\RV-8-78RV-8-78.DWG		DWG 78	

RV-8 / 8A EMPENNAGE ATTACH  
RV-8A TAIL TIE-DOWN ATTACH

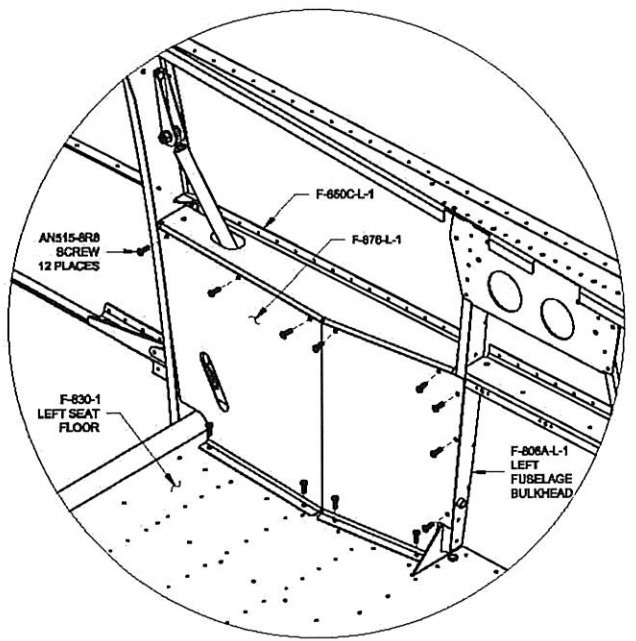
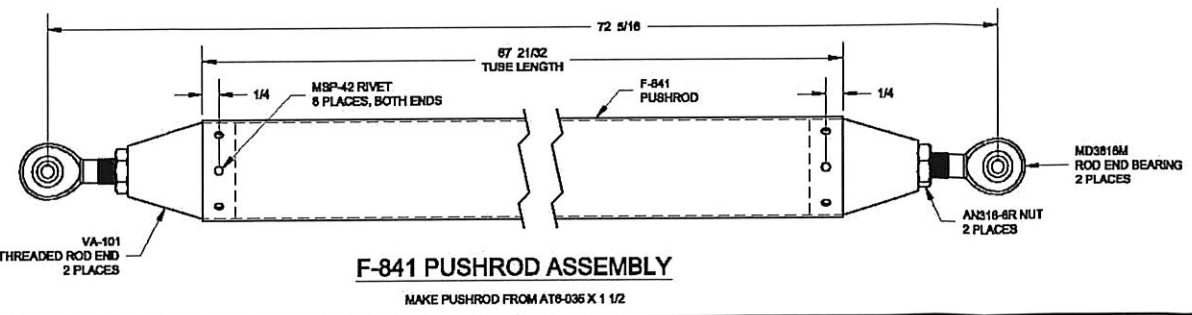
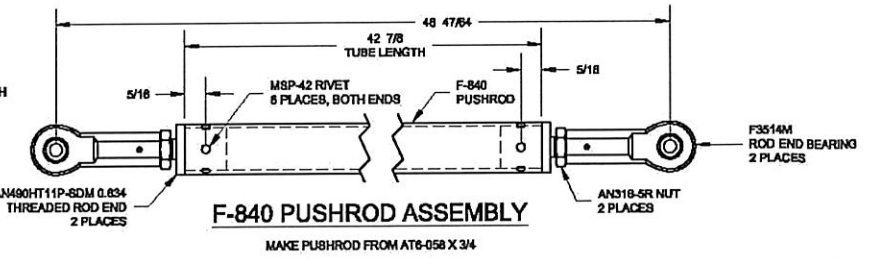


**WARNING**  
ALLOW 1/8" MINIMUM CLEARANCE BETWEEN BOLT AND WD-807 TUBE WALL. IF NECESSARY, GRIND THREADS FROM END OF BOLT TO ACHIEVE REQUIRED CLEARANCE.

**NOTES:**  
1. MAXIMUM ALLOWABLE LENGTH OF FRONT CONTROL STICK FROM PIVOT BUSHING IS 15". TRIM TO DESIRED LENGTH.  
2. IN NEUTRAL POSITION, CONTROL STICKS ARE PERPENDICULAR TO THE PORTION OF THE UPPER LONGERONS AFT OF THE CENTER SECTION BULKHEADS.



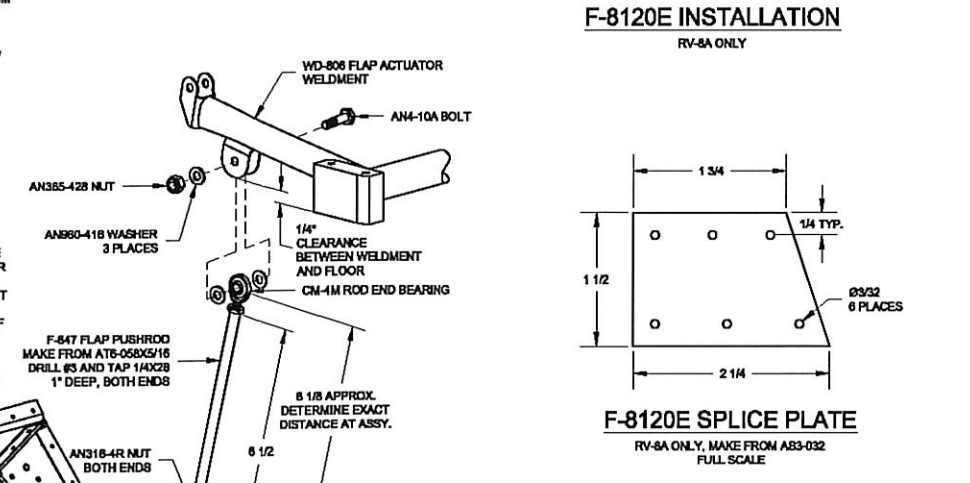
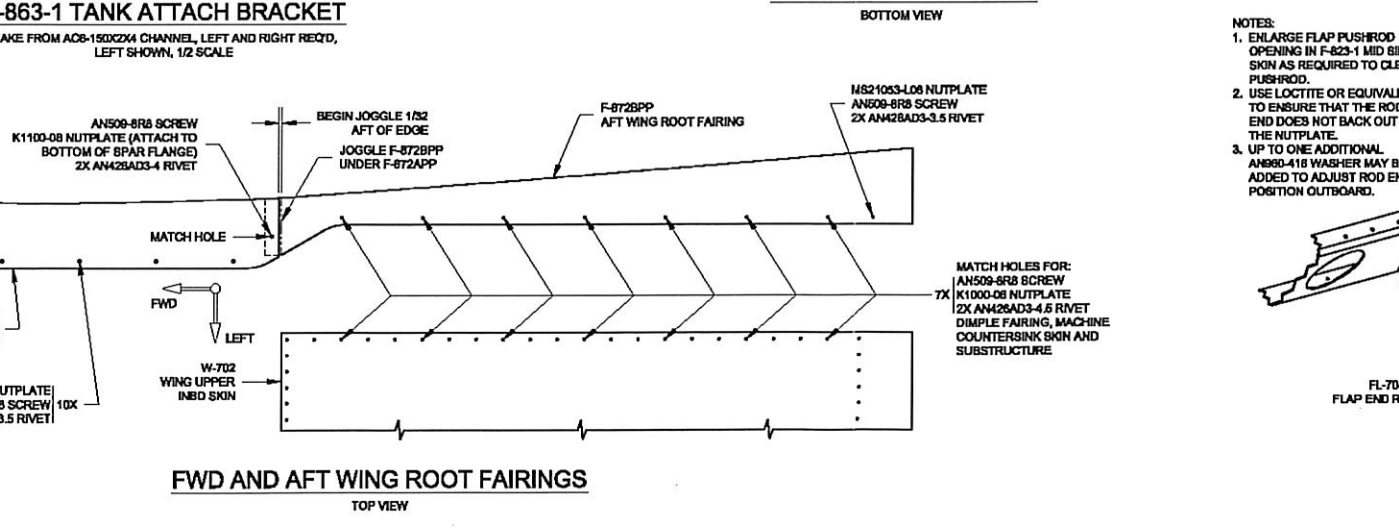
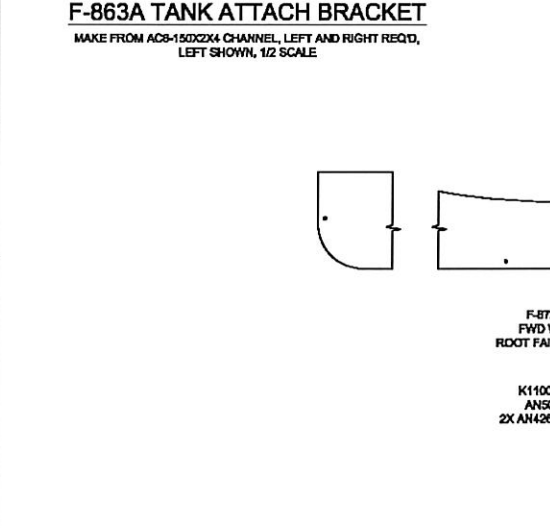
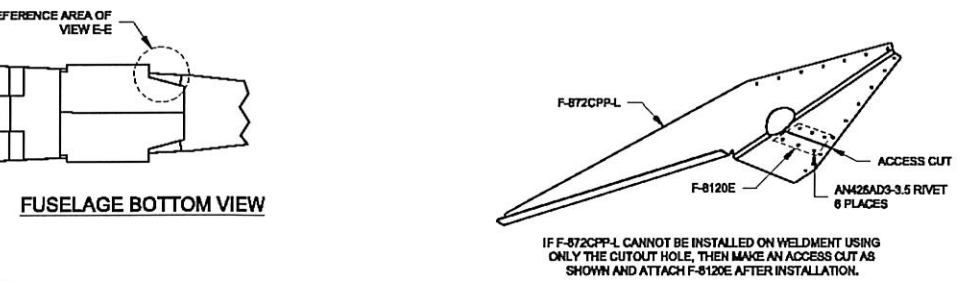
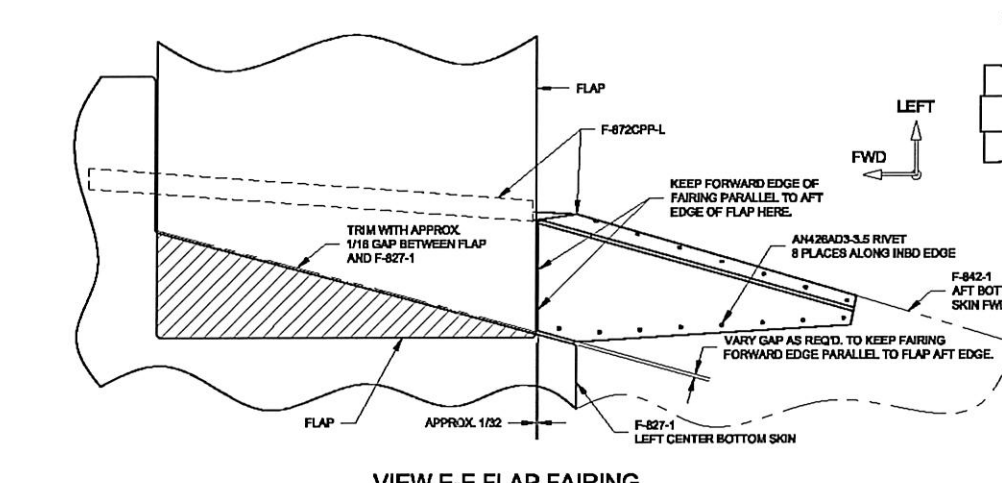
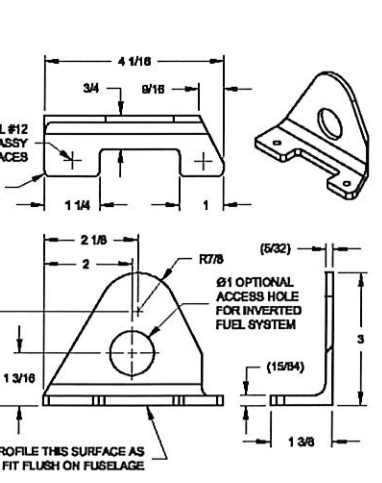
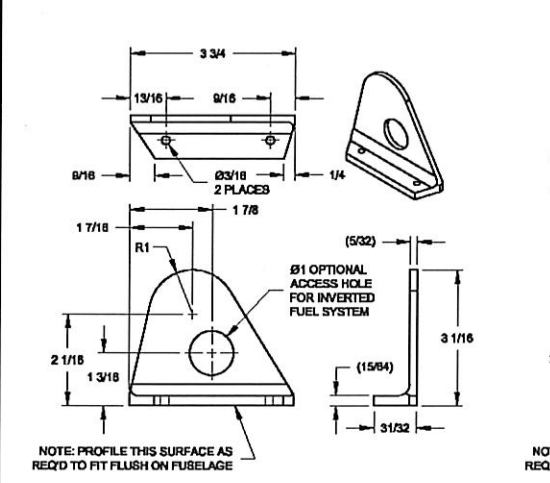
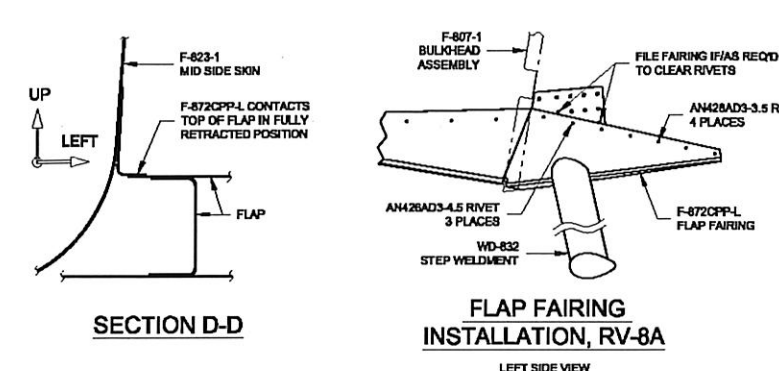
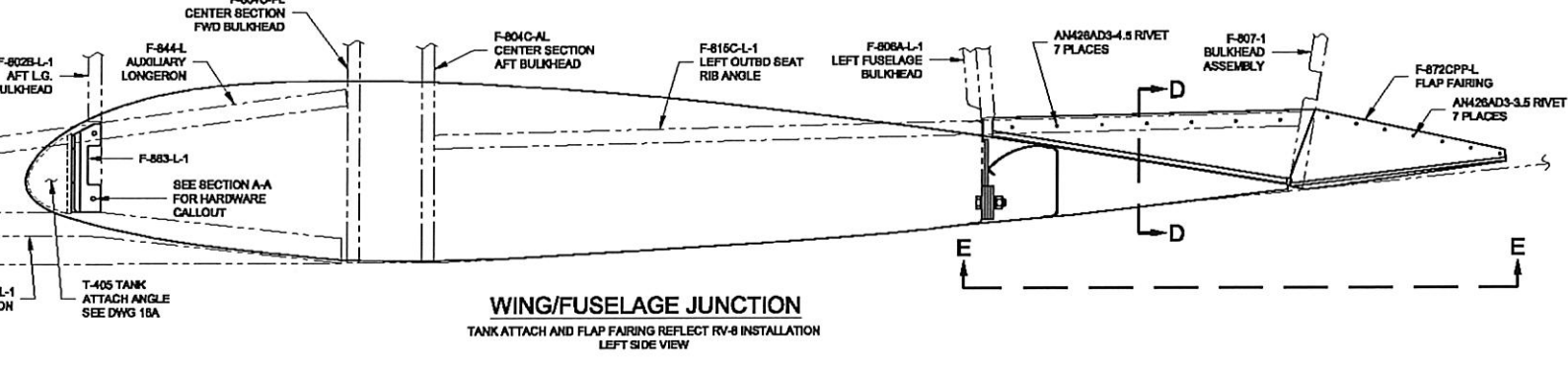
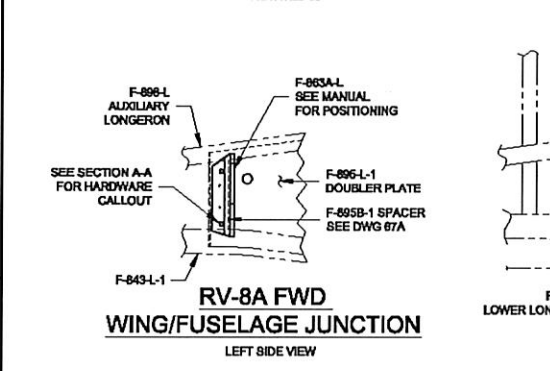
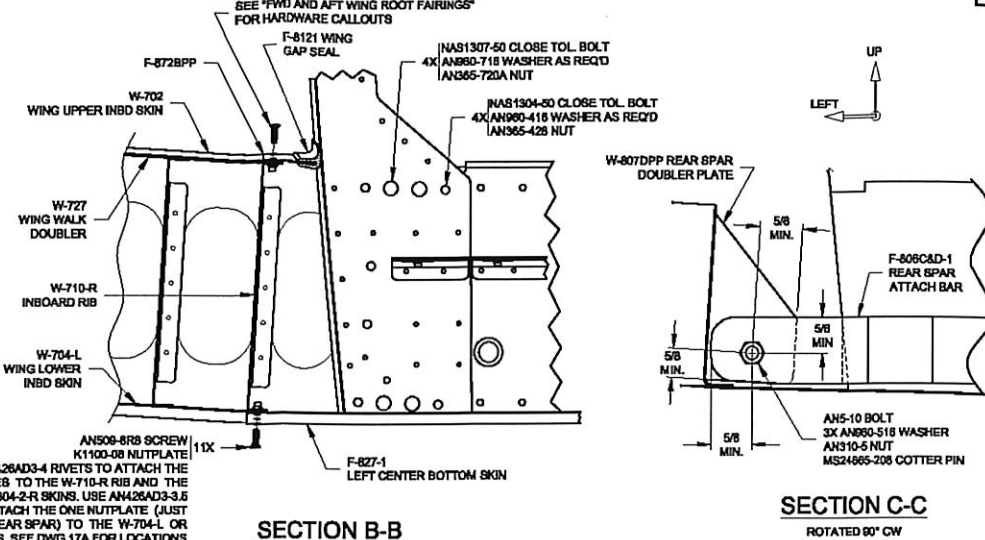
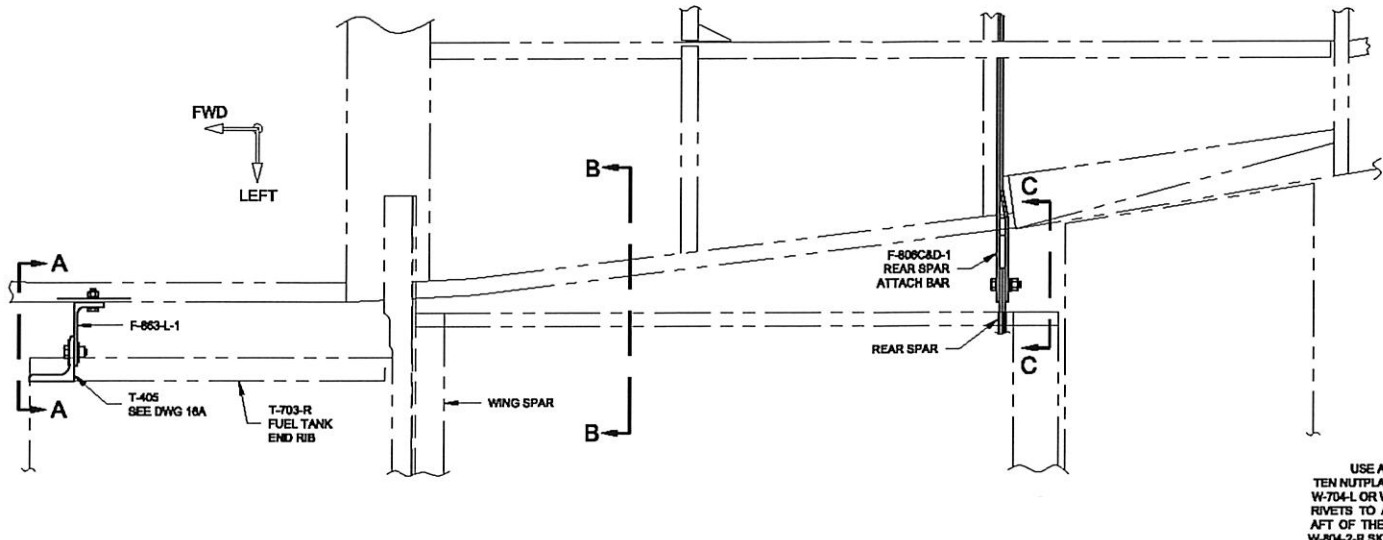
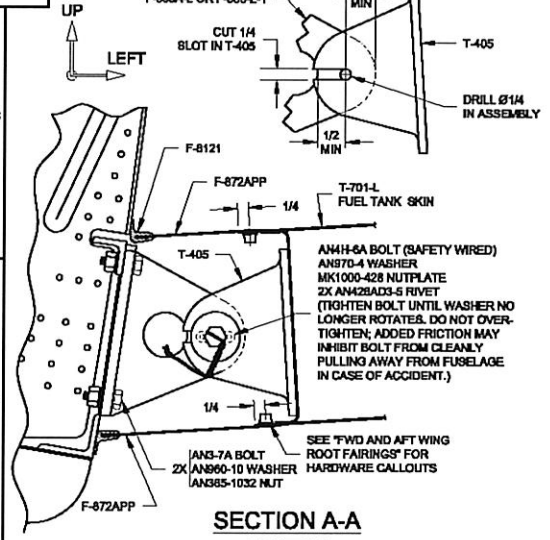
**WARNING:**  
ITEMS ROUTED THROUGH SNAP BUSHINGS MUST NOT INTERFERE WITH CONTROL SYSTEM



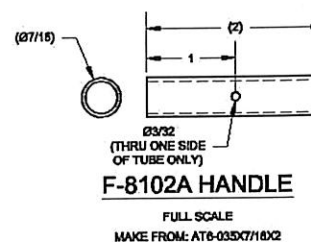
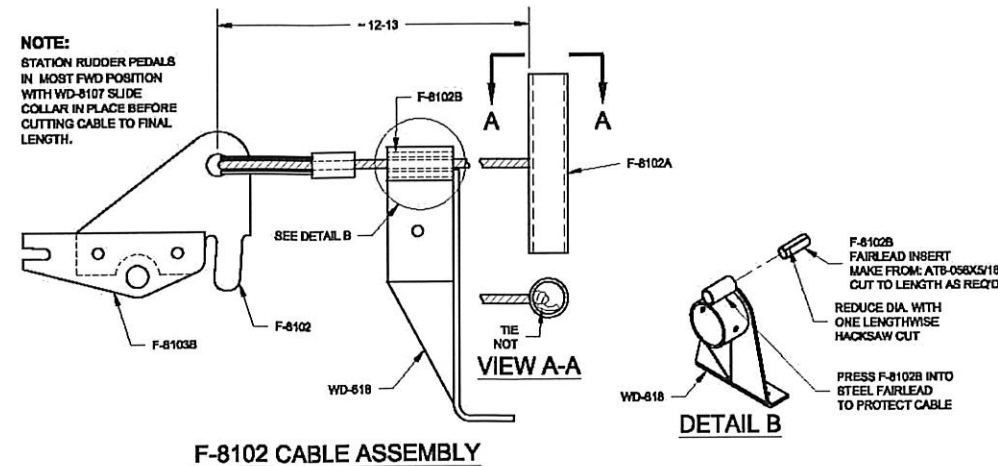
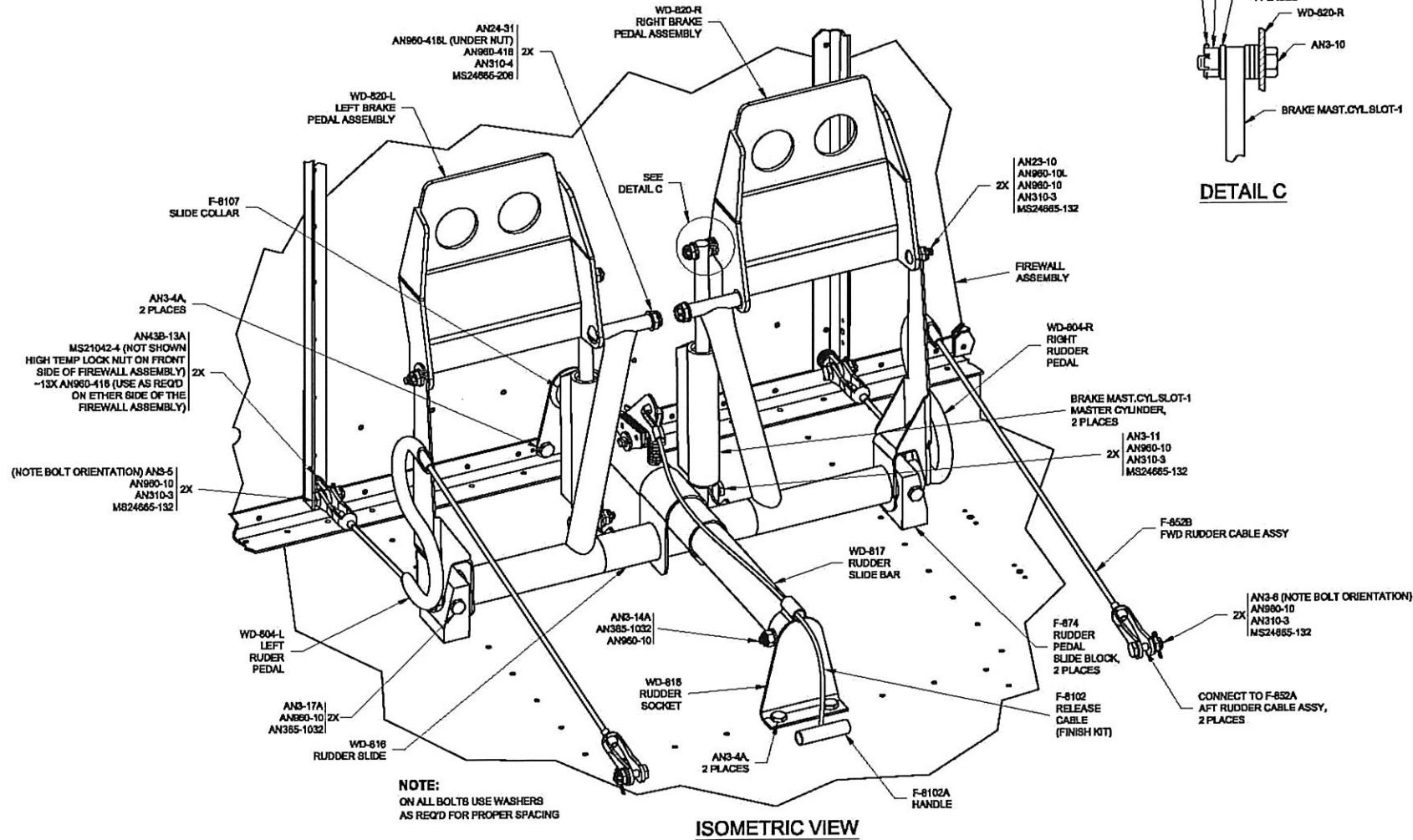
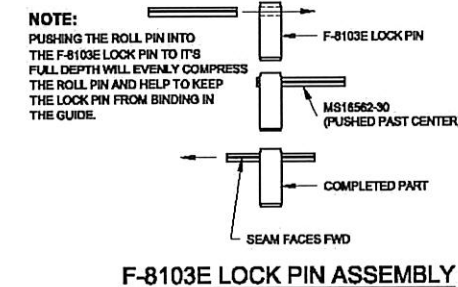
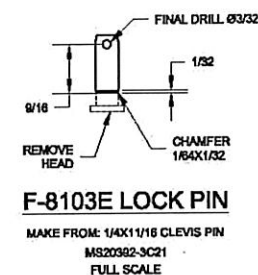
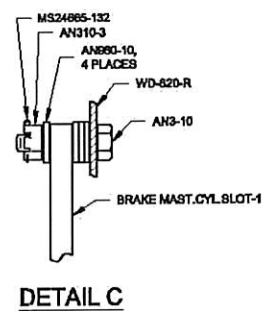
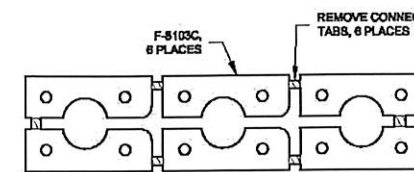
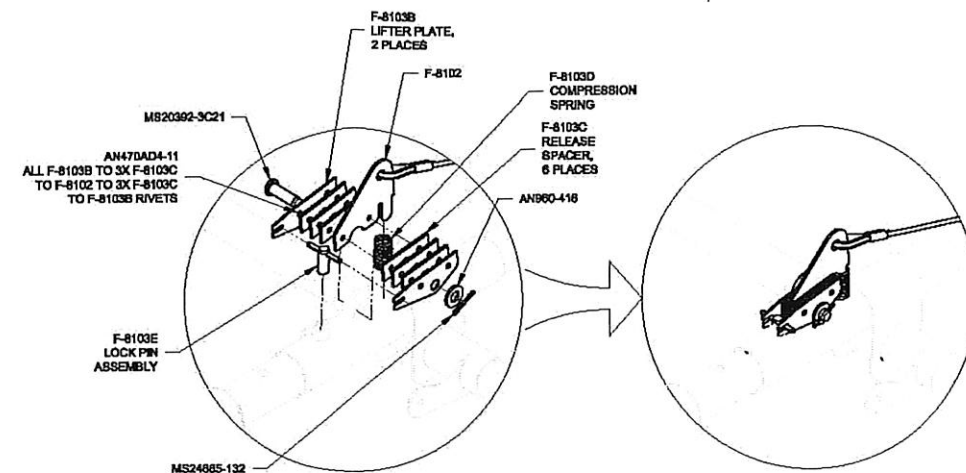
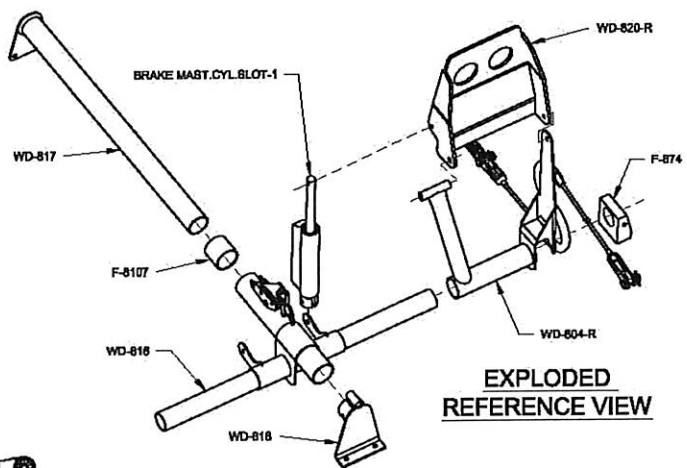
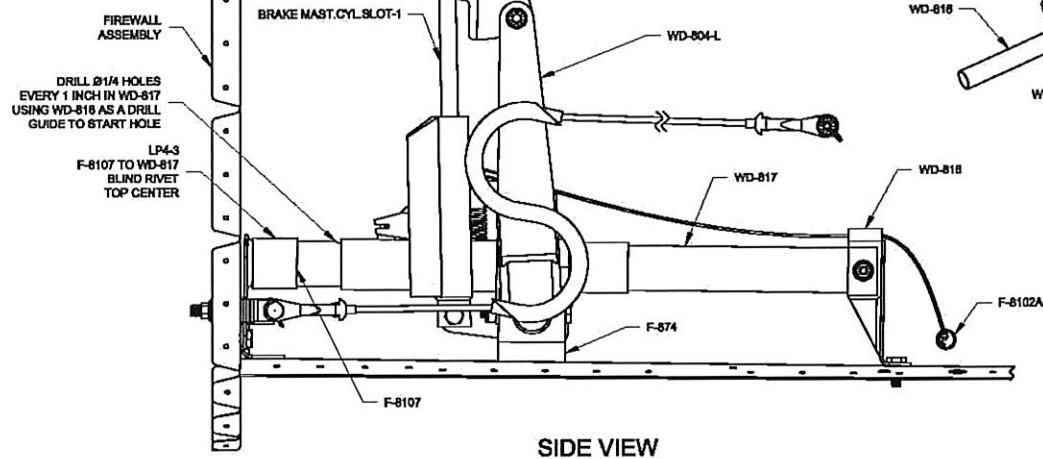
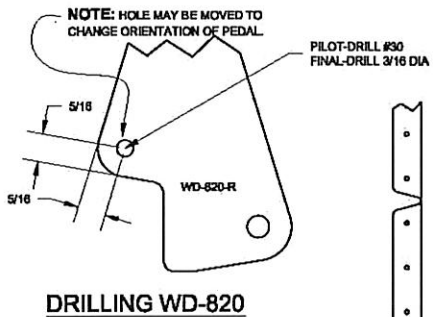
**F-876-1 AFT CABIN COVER**  
LEFT INSTALLATION SHOWN, RIGHT SIMILAR

		VAN'S AIRCRAFT, INC. 14401 NE 16 AVE ALBANY, OR 97002	
<b>CONTROL SYSTEM</b>		<b>RV-8/8A</b>	
DATE DRAWN: 3/14/08	DRAWN BY: MICHAEL SCHWARTZ	UNITS: INCHES	SCALE: AS NOTED
TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)		D-SIZE OR DWG	
PATH\FIELDNAME: Q:\RV-8Z\OTHER\PLANS\RV-8-79RV-8-79.DWG		DWG	



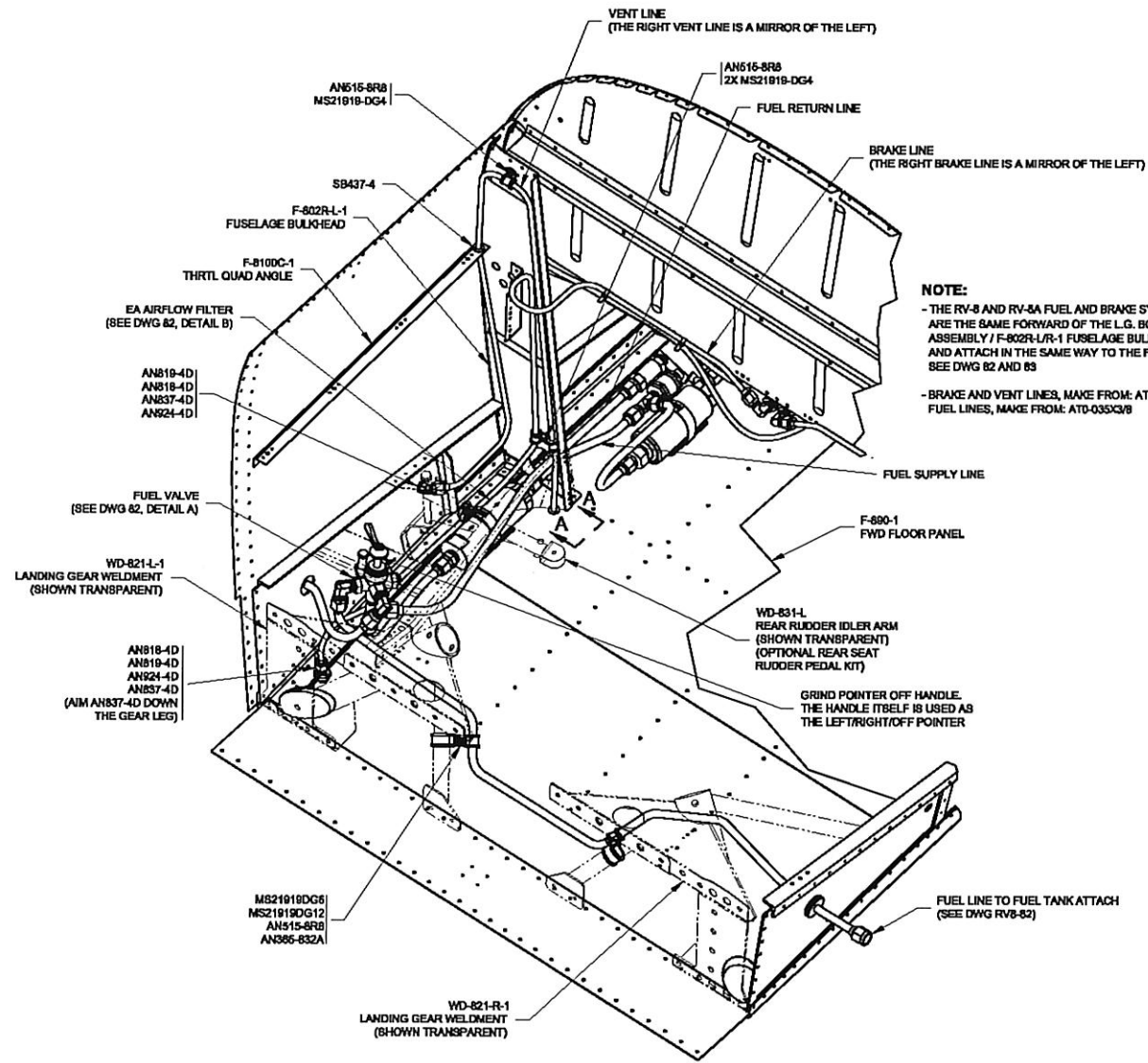






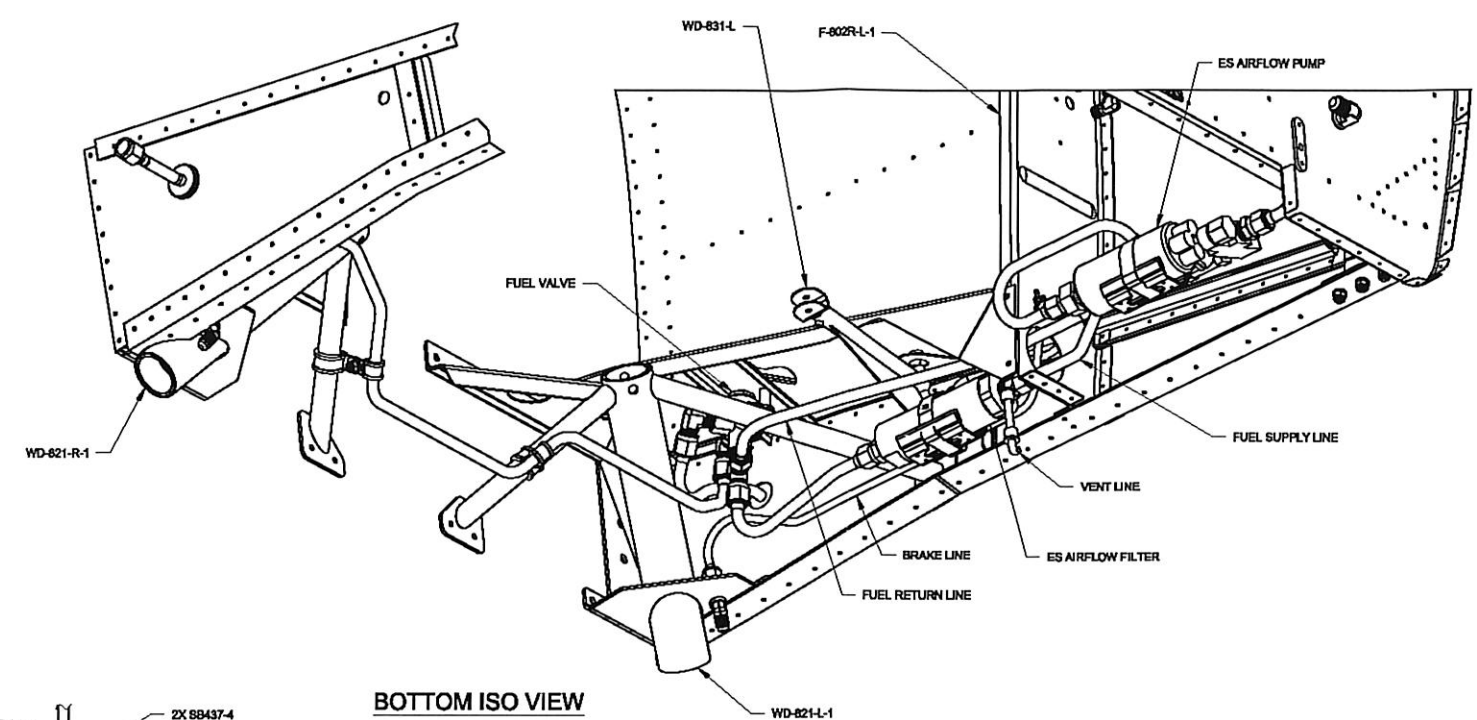
	VAN'S AIRCRAFT, INC. 14401 NE NE AURORA, I 97002 US	
	INFLIGHT ADJUSTABLE RUDDER PEDALS	
DATE DRAWN: 1/12/06	UNITS: INCHES	RV-818A
DRAWN BY: RAN JOHNSON	TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)	D-SIZE OR DWG
SCALE: AS NOTED	PATH: FILENAME: C:\RV-818Z\OTHER PLANS\RV-818V-81.DWG	



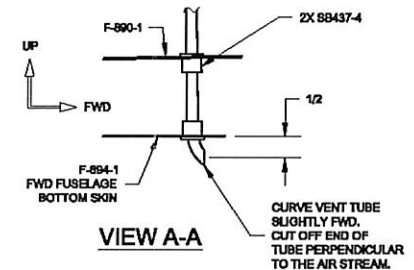


**LEFT SIDE ISO VIEW**  
SEE DWG 82 FOR VIEW C-C

**NOTE:**  
- THE RV-8 AND RV-8A FUEL AND BRAKE SYSTEMS ARE THE SAME FORWARD OF THE L.G. BOX ASSEMBLY / F-802R-L/R-1 FUSELAGE BULKHEAD AND ATTACH IN THE SAME WAY TO THE FUEL TANK. SEE DWG 82 AND 83.  
- BRAKE AND VENT LINES, MAKE FROM: ATO-032X1/4 FUEL LINES, MAKE FROM: ATO-035X3/8

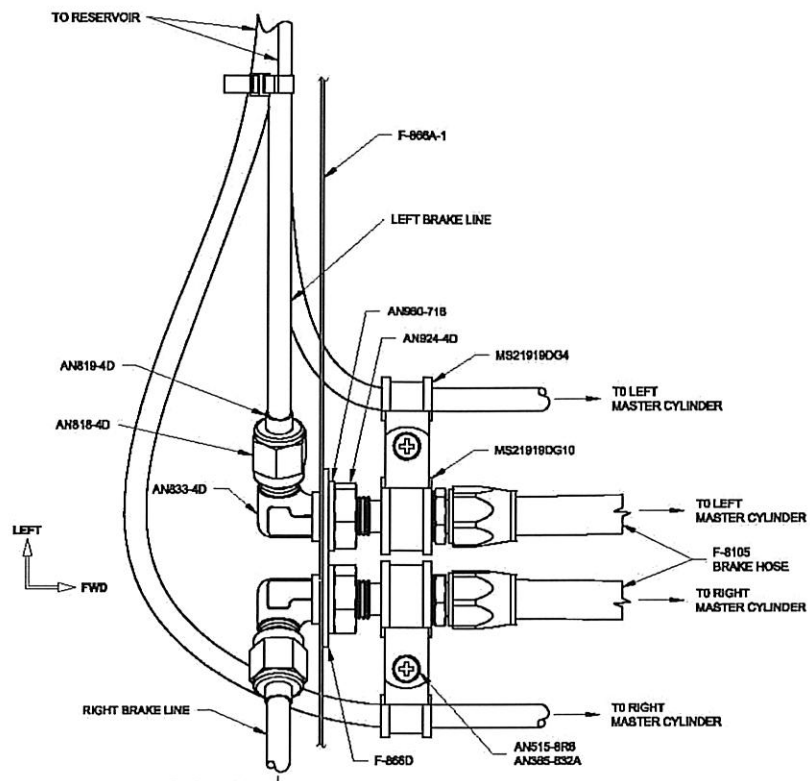


**BOTTOM ISO VIEW**

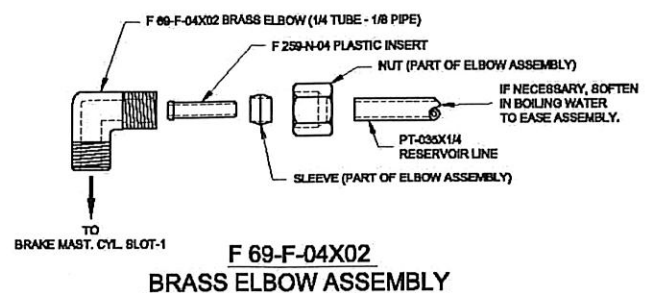


	VAN'S AIRCRAFT, INC. 14401 NE KEL AURORA, OR 97002 USA	
	<b>RV-8A FUEL &amp; BRAKE SYSTEM</b>	
DATE DRAWN: 3/21/06	UNITS: INCHES	RV-8A
DRAWN BY: RYAN JOHNSON	TOLERANCES: NONE UNLESS OTHERWISE SPECIFIED	SCALE: NONE D-SIZE ORIG
PATH\FLEDAVE: QWV-82 OTHERPLANRV8-82 80RV8-82A.DWG		DWG 82

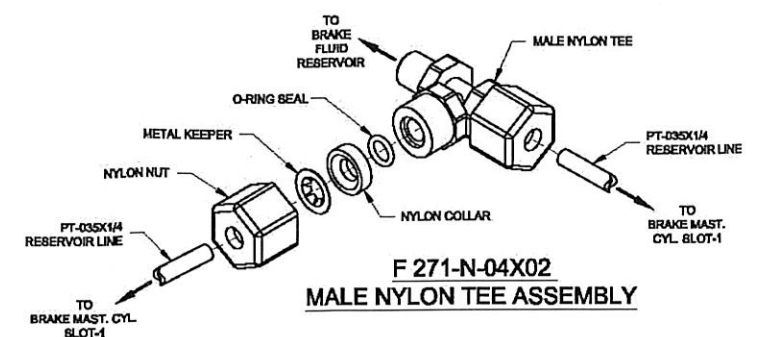




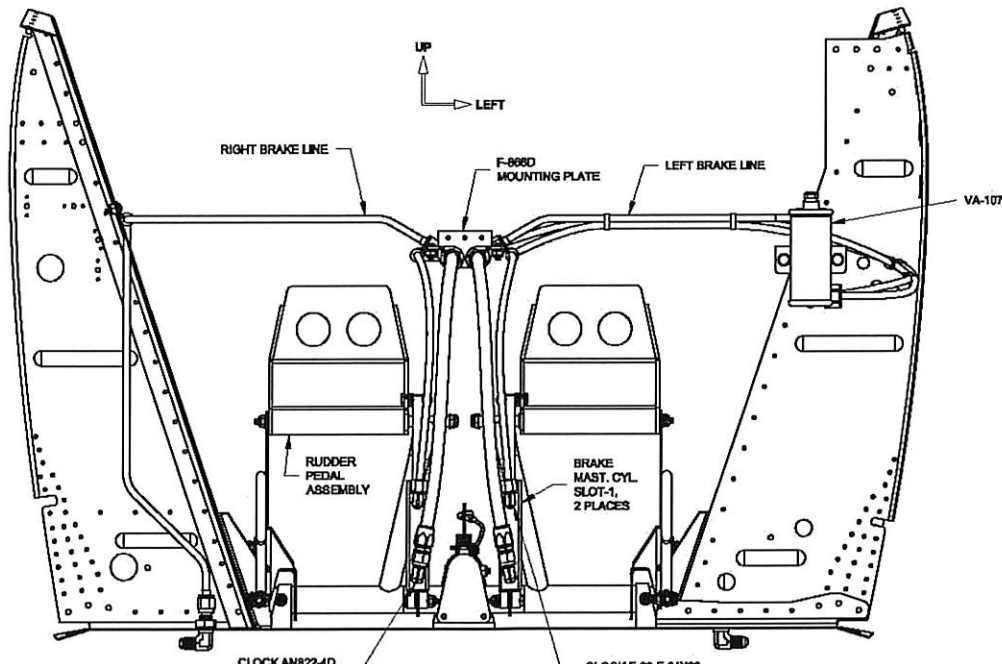
**DETAIL A**  
ALL HARDWARE CALLOUTS 2 PLACES



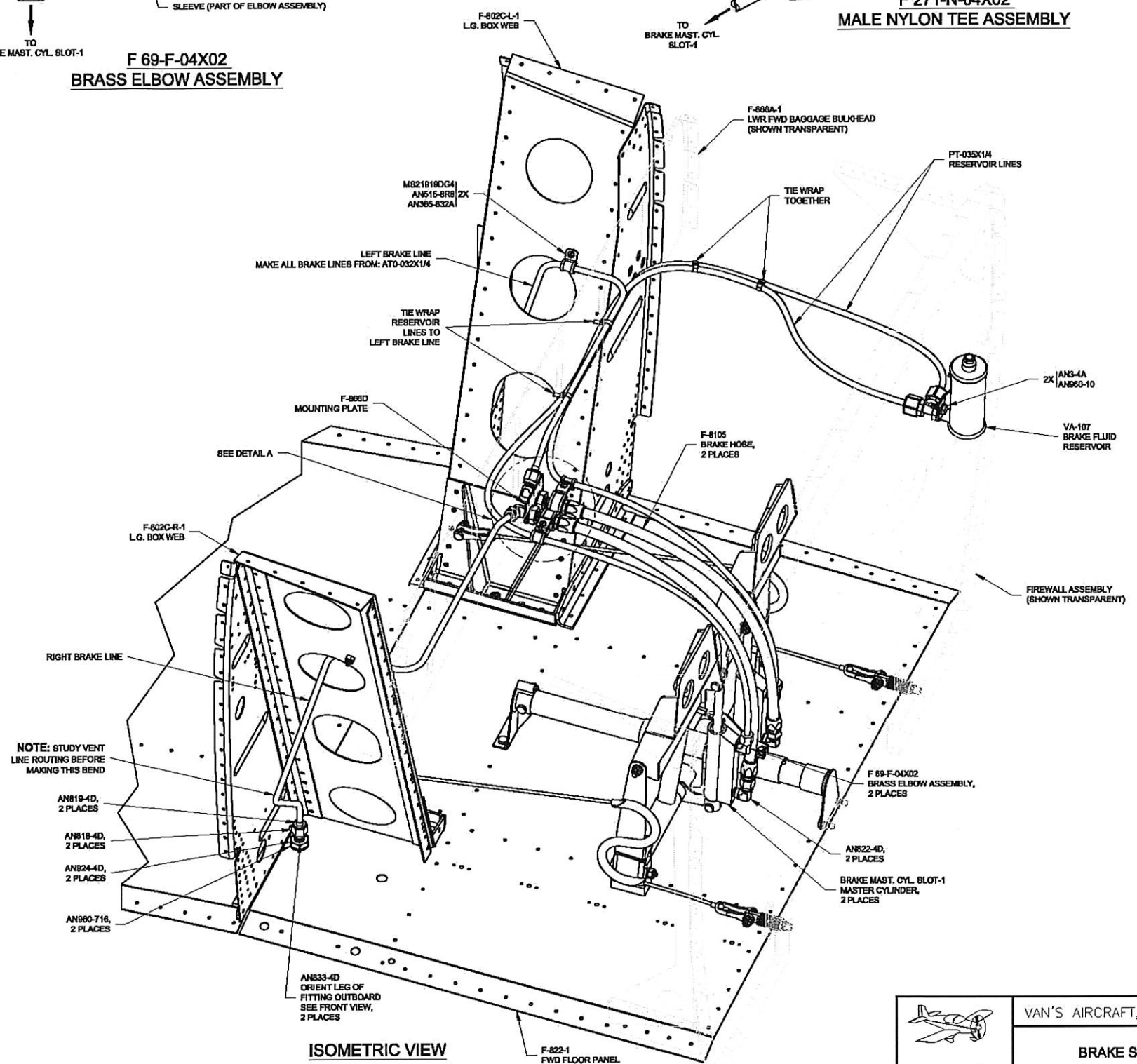
**F 69-F-04X02  
BRASS ELBOW ASSEMBLY**



**F 271-N-04X02  
MALE NYLON TEE ASSEMBLY**



**FRONT VIEW**  
FIREWALL ASSEMBLY  
AND F-868A-1 NOT SHOWN FOR CLARITY



**ISOMETRIC VIEW**

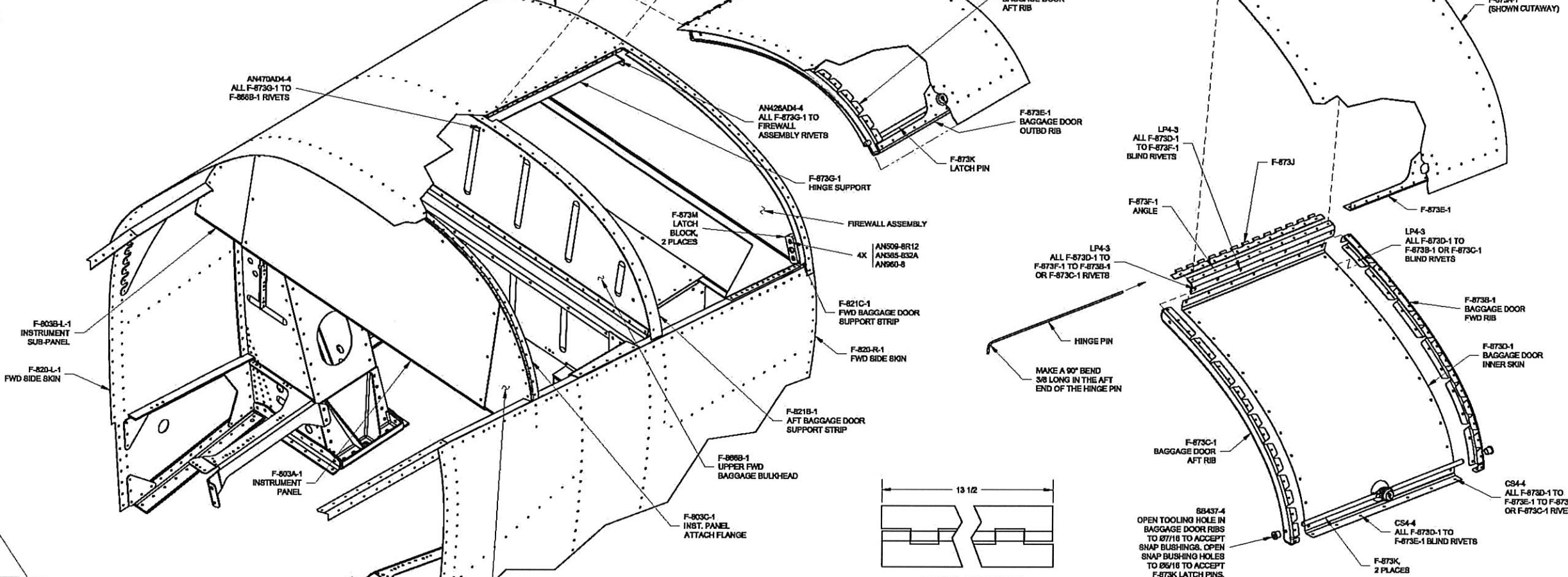
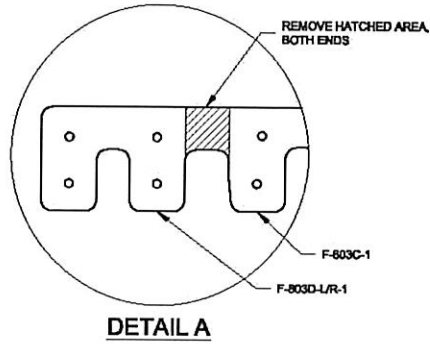
NOTE: STUDY VENT LINE ROUTING BEFORE MAKING THIS BEND

	VAN'S AIRCRAFT, INC. 14401 NE 1 <sup>st</sup> AURORA, 97002 1	
	<b>BRAKE SYSTEM</b>	
DATE DRAWN: 1/24/08	UNITS: INCHES	RV-8
DRAWN BY: IAN JOHNSON	TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)	SCALE: NONE
PATH \FILENAME: Q:\RV-8\OTHER PLANS\RV-8\RV-8.DWG		DWG

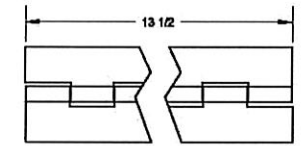


**F-803C-1 TRIM DETAIL**

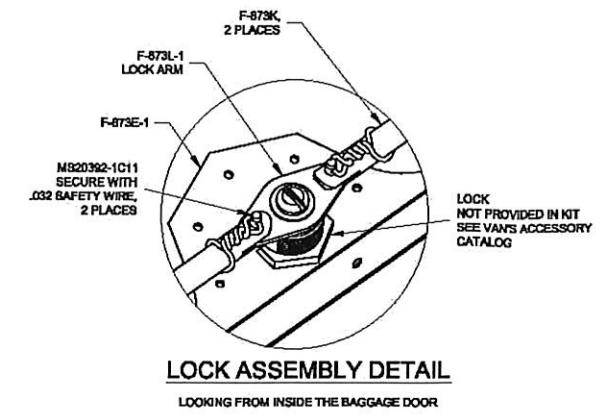
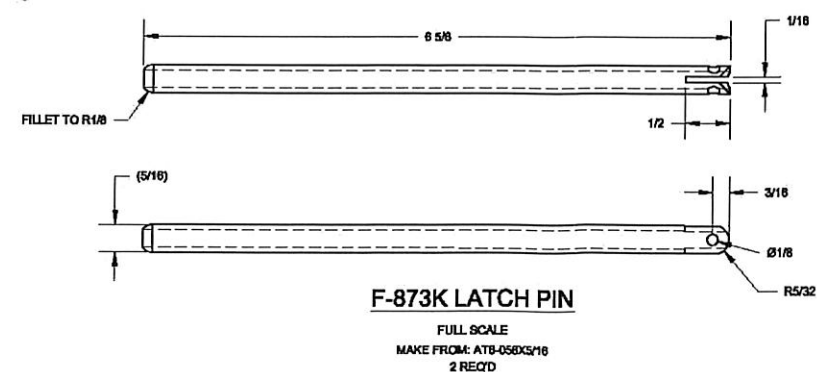
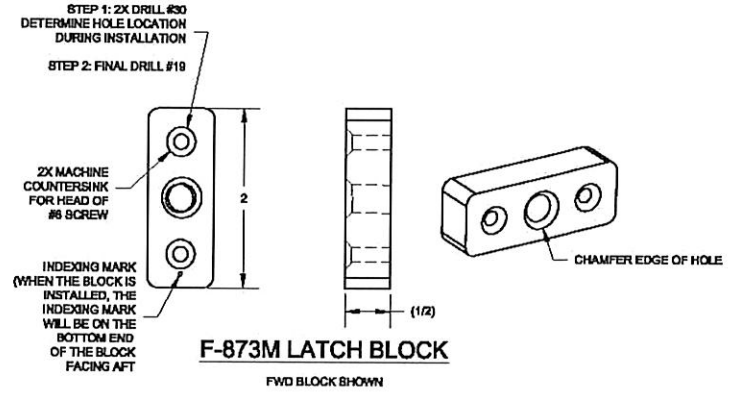
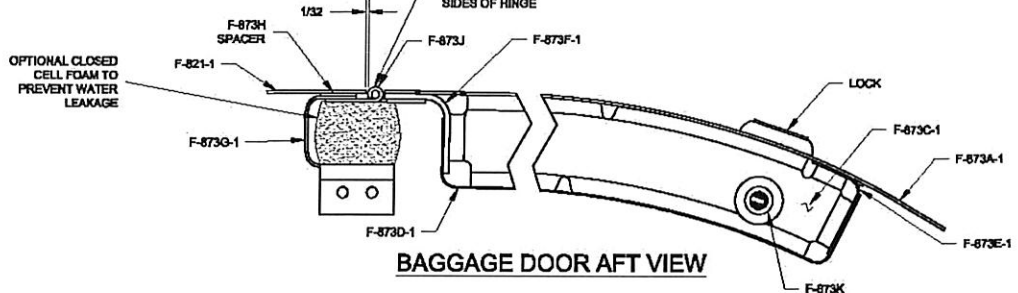
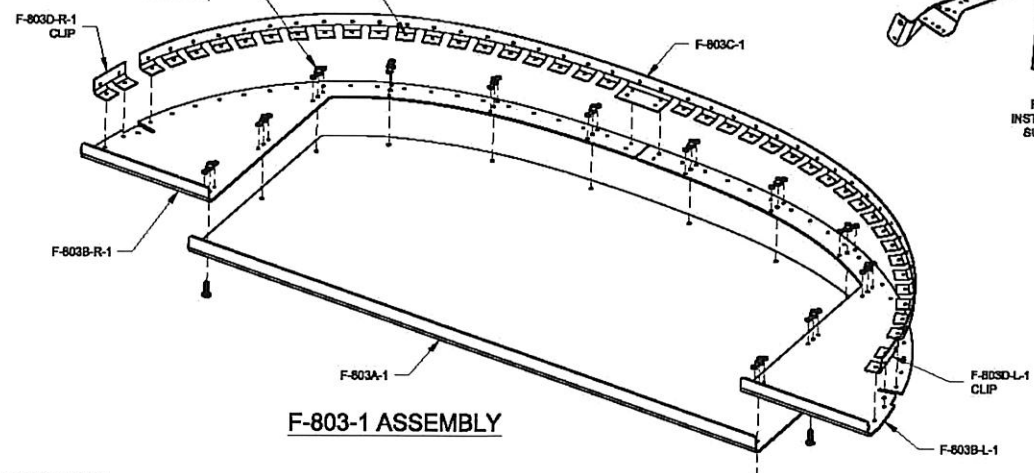
PART SHOWN FLAT FOR CLARITY



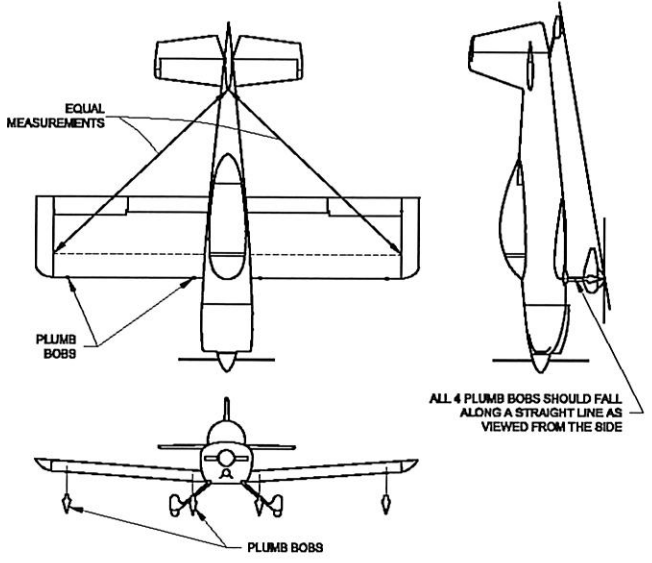
**EXPLODED ISO VIEW**



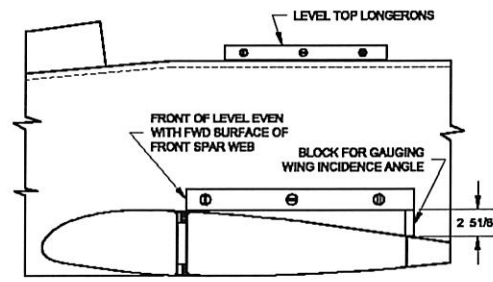
**BAGGAGE DOOR EXPLODED VIEW**



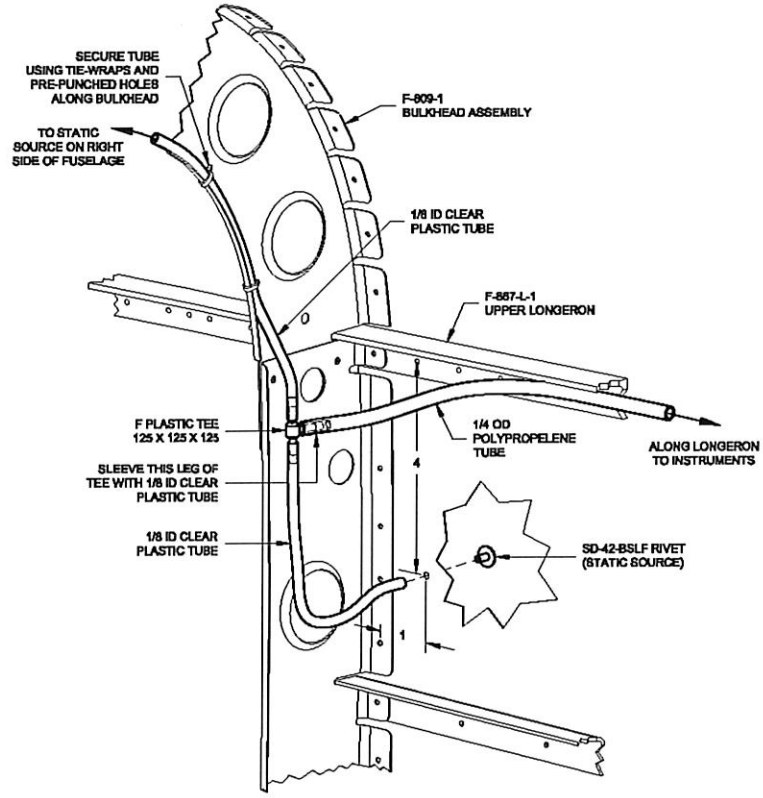
		VAN'S AIRCRAFT, INC. 14401 NE NE AURORA, I 97002 OR	
<b>UPPER FWD FUSE</b>			
DATE DRAWN: 11/08/05	UNITS: INCHES	RV-818A	
DRAWN BY: IRAN JOHNSON	TOLERANCES: NONE UNLESS OTHERWISE SPECIFIED	SCALE: AS NOTED	D-SIZE OR DWG
PATH\FILENAME: Q:\RV-82 OTHER PLANS\RV-82\RV-84.DWG			



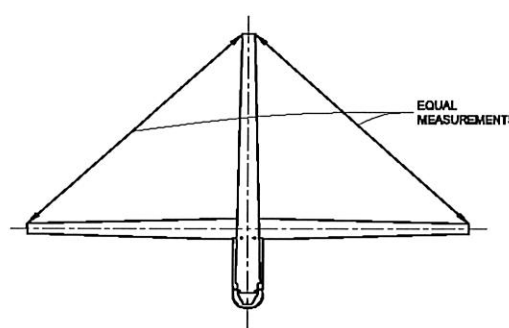
WING ALIGNMENT



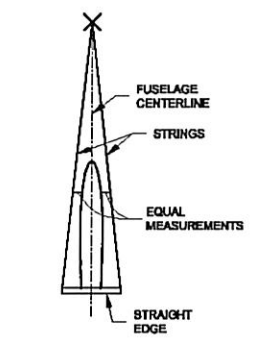
SETTING WING INCIDENCE ANGLE



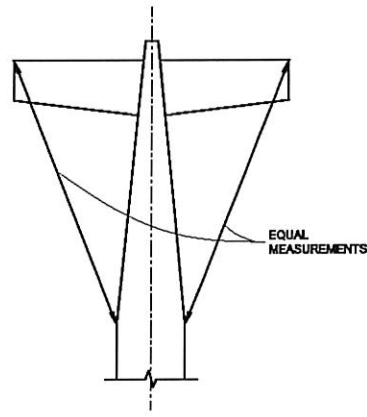
STATIC SOURCE



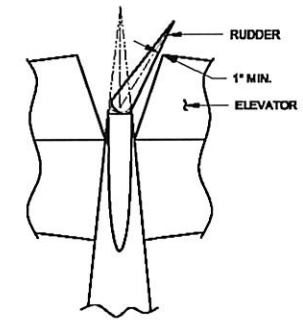
SQUARING VERTICAL STAB



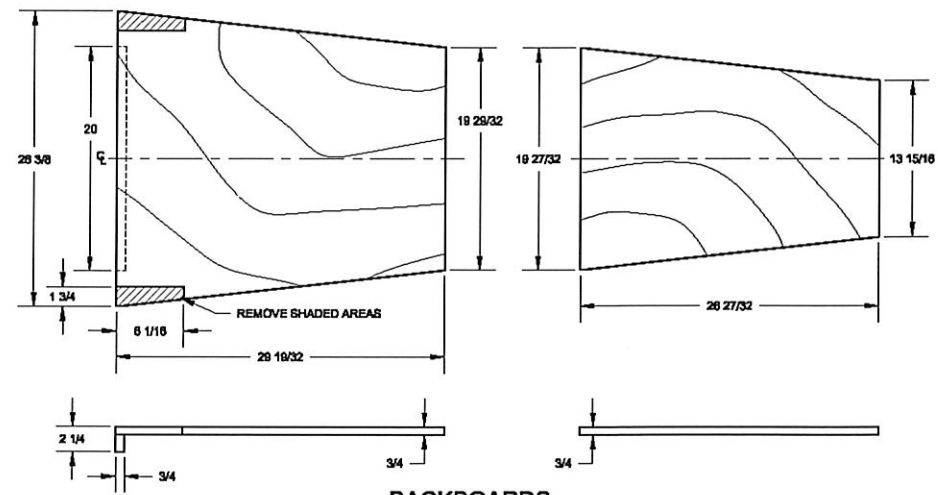
CENTERING VERTICAL STAB



SQUARING HORIZONTAL STAB WITH FUSELAGE

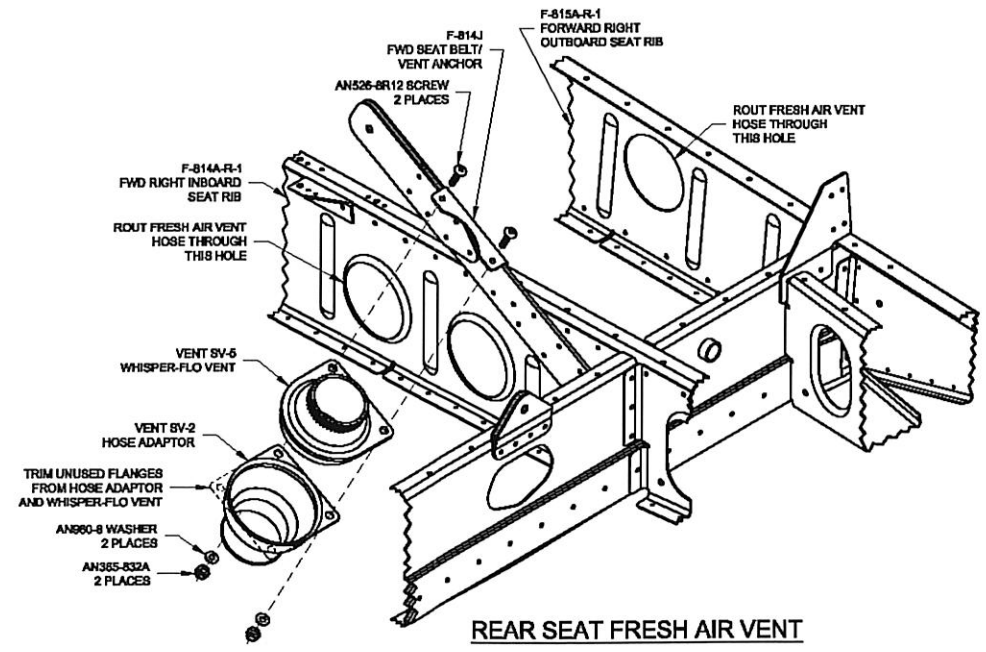


RUDDER DEFLECTION

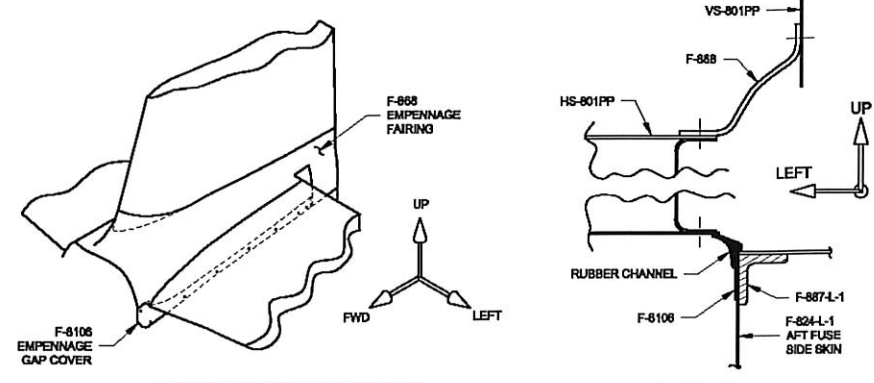


BACKBOARDS

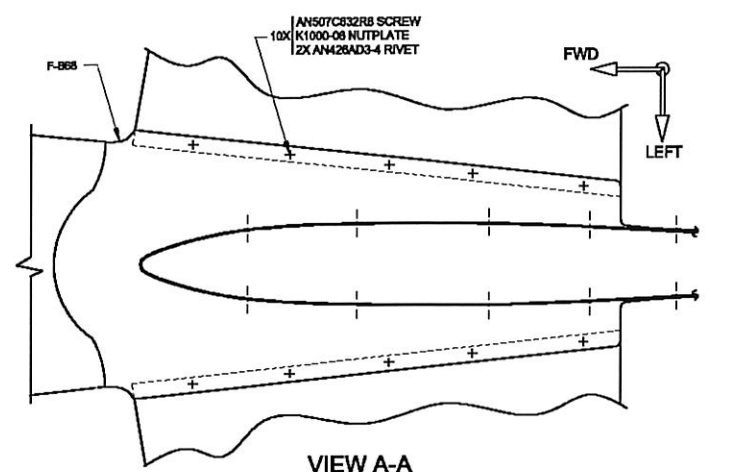
MAKE FROM 3/4 PLYWOOD. DESIGNED TO REST UPON F-869-1 LOWER LONGERONS AND BETWEEN F-807-1, F-808-1, F-809-1 BULKHEADS PROVIDING A WORK PLATFORM INSIDE OF TAIL CONE



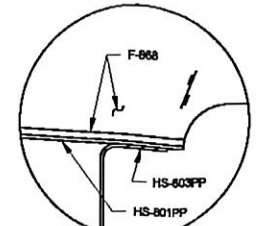
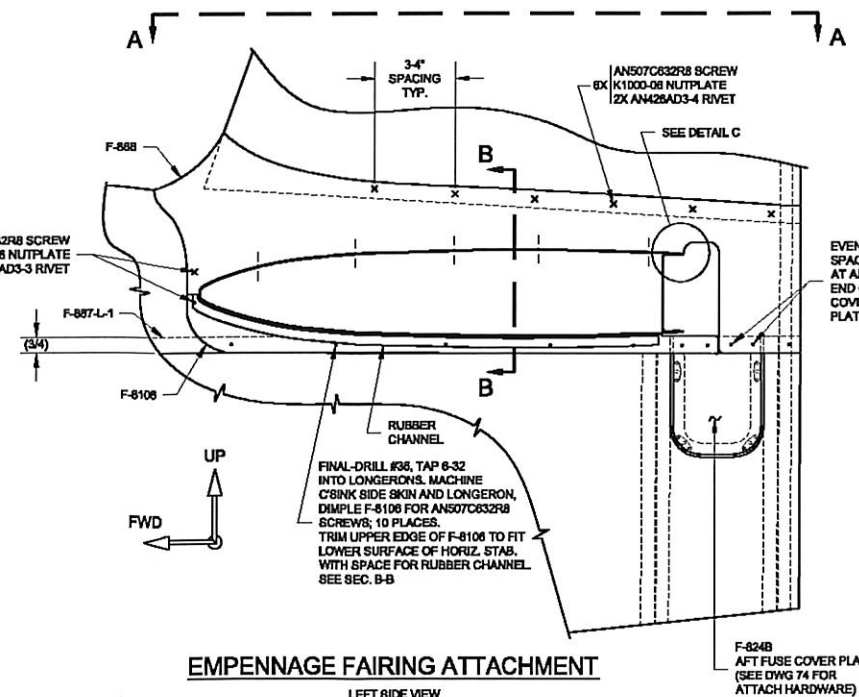
REAR SEAT FRESH AIR VENT



EMPENNAGE FAIRINGS



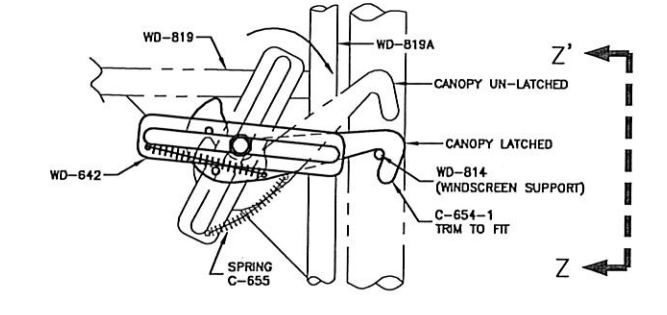
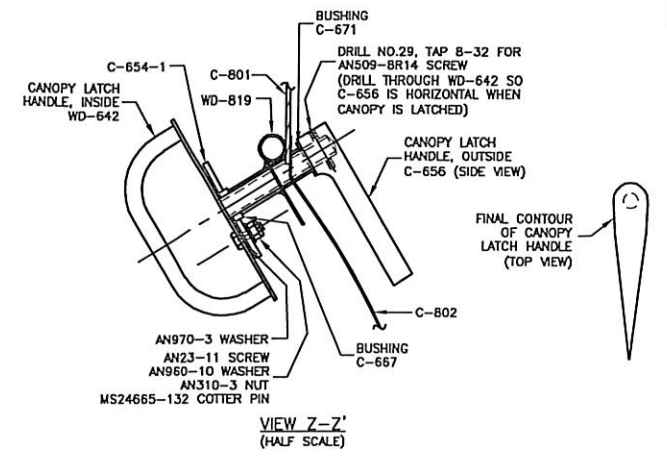
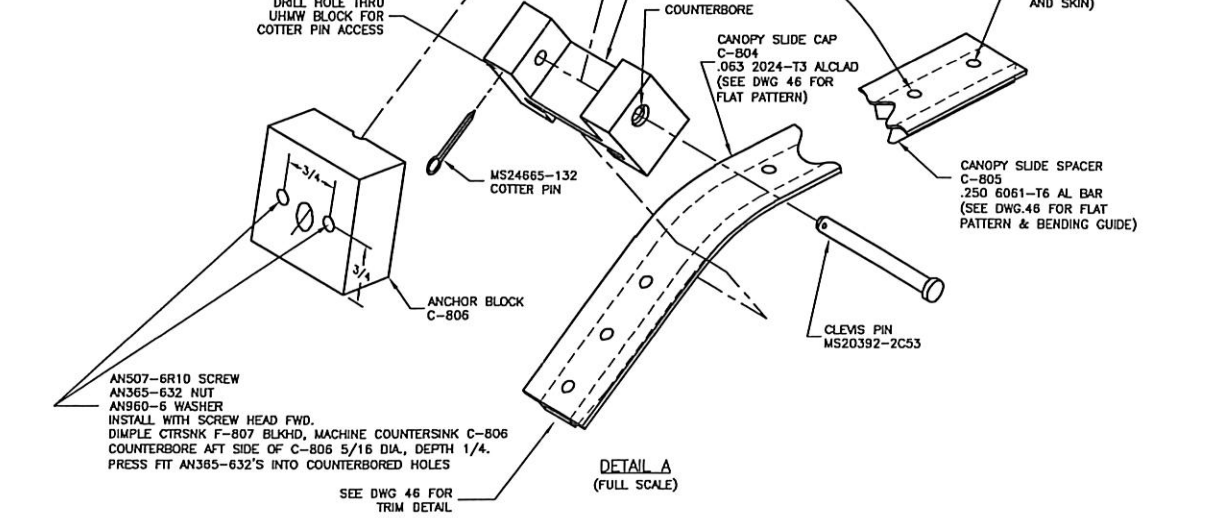
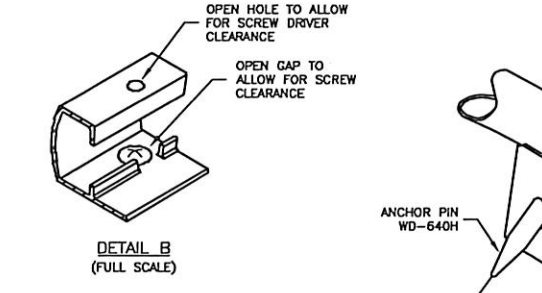
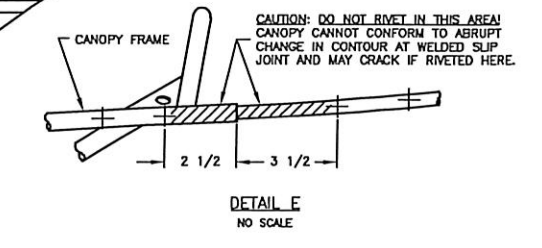
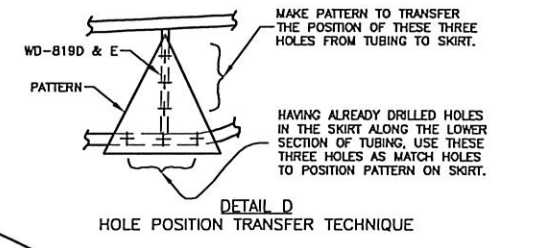
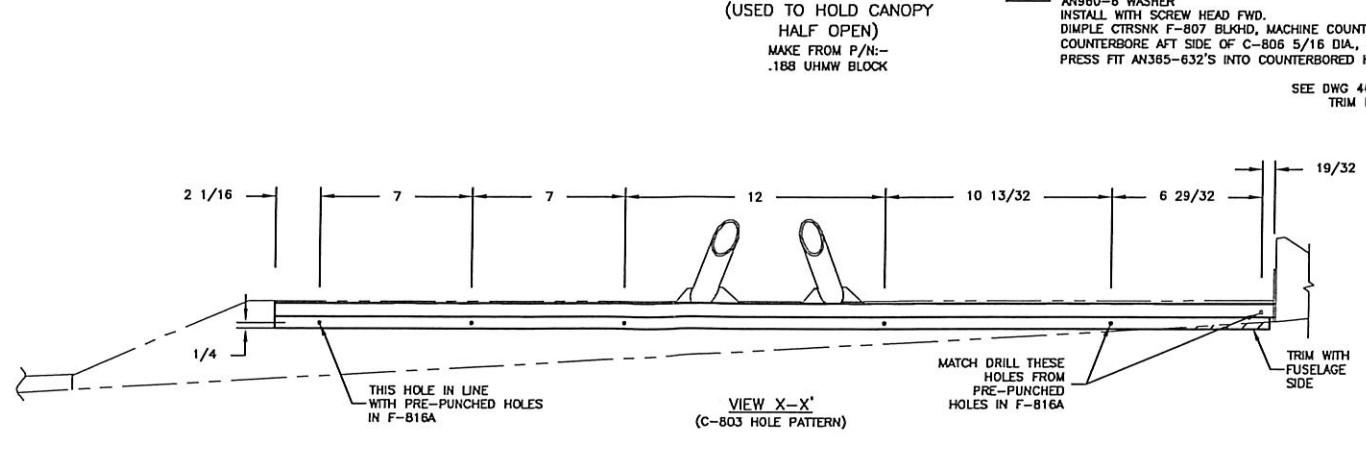
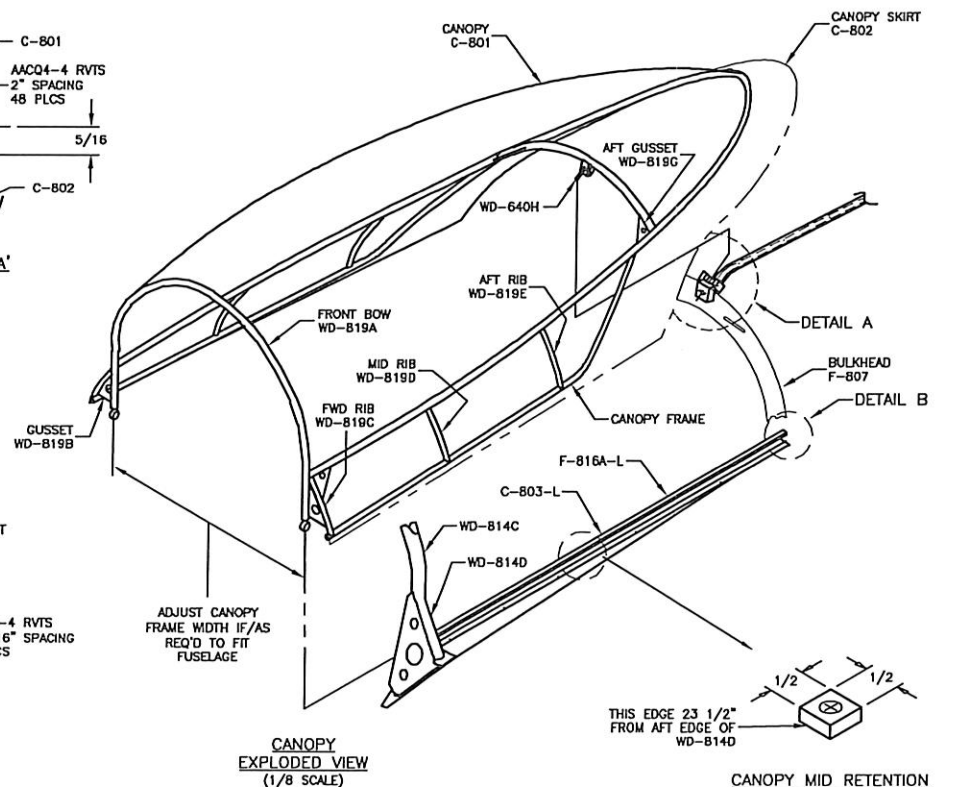
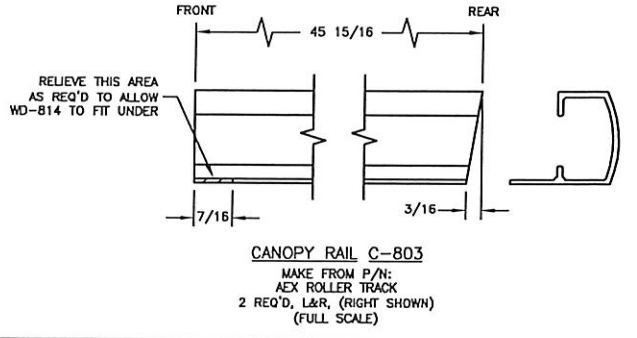
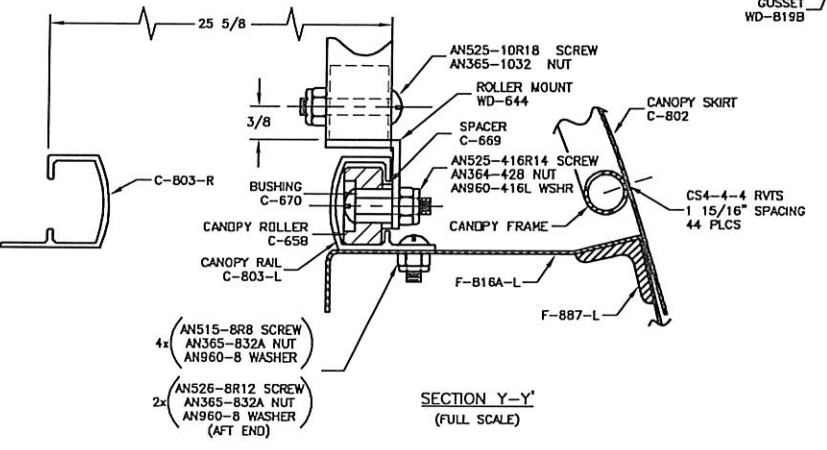
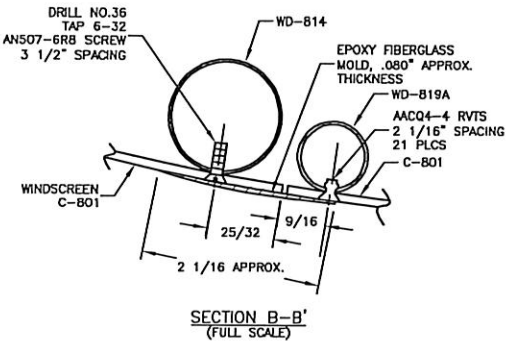
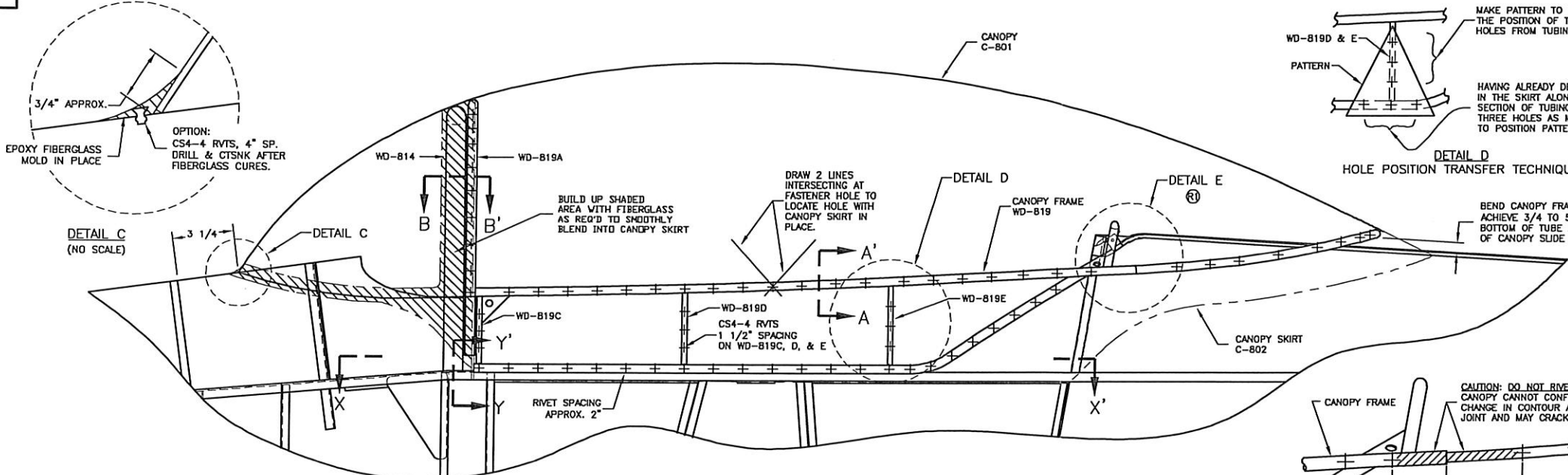
FUSE KIT FINISH KIT



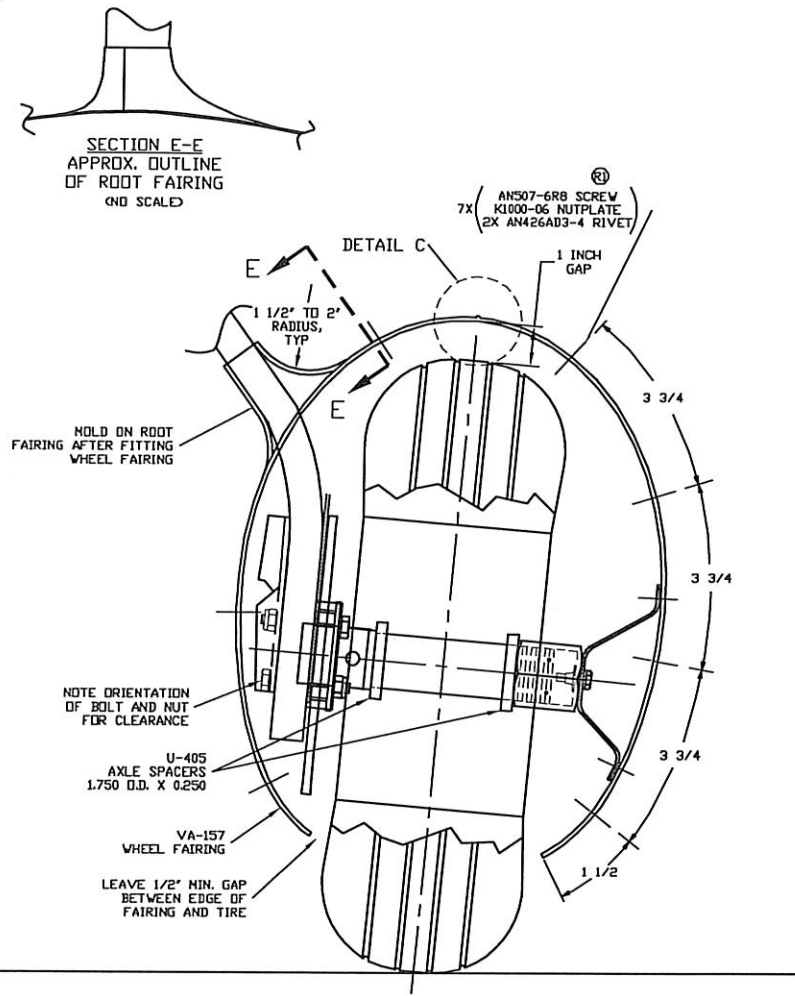
DETAIL C

		VAN'S AIRCRAFT, INC. 14401 NE KELLY AVE. SUITE 100, VANCOUVER, OR 97002 USA	
DATE DRAWN: 3/20/06		UNITS: INCHES	
DRAWN BY: MICHAEL SCHWARTZ		SCALE: AS NOTED	
TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)		D-SIZE ORIGIN	
PATH/FILENAME: C:\RV-8\OTHER\PLANS\RV-8\RV-85.DWG		DWG 85	

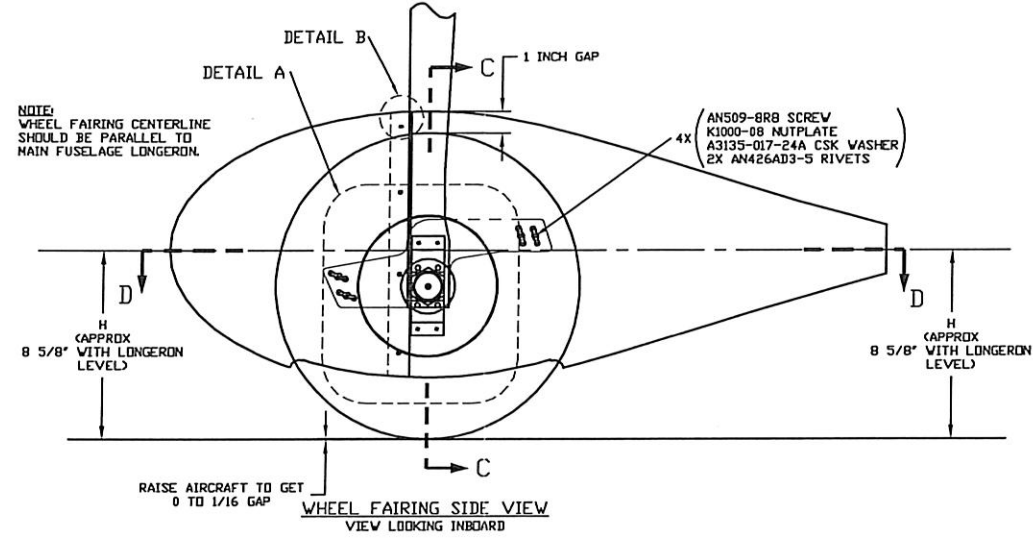
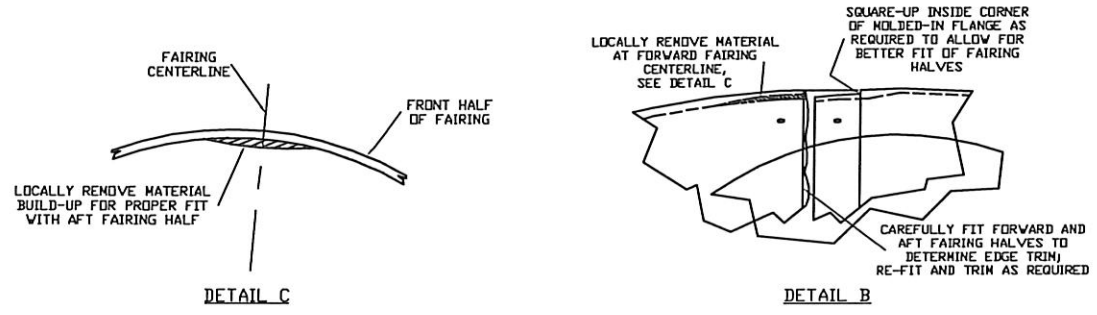




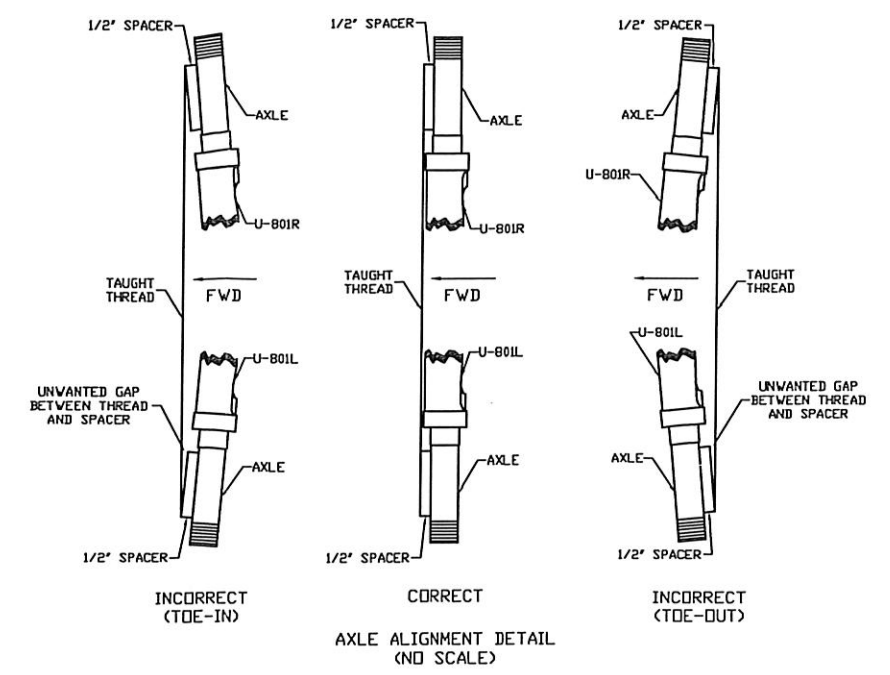
R2 ZONE E1 & G2: C-654-1 WAS C-654.	1/04
R1 ZONE E4: ADDED DETAIL 'E'	2/98
VAN'S AIRCRAFT, INC. 14401 NE KELLY RD. AURORA, OR 97002 USA	
CANOPY	
DATE DRAWN: 7/31/97	UNITS: INCHES
DRAWN BY: MATT HUXLEY	RV-8
TOLERANCES: NOT GIVEN (UNLESS OTHERWISE SPECIFIED)	SCALE: 1/4 (EXCEPT WHERE NOTED)-SIZE ORIGINAL
PATH: \\V:\8\PLANS\2 OTHER\RV8-44.DWG	DWG 44



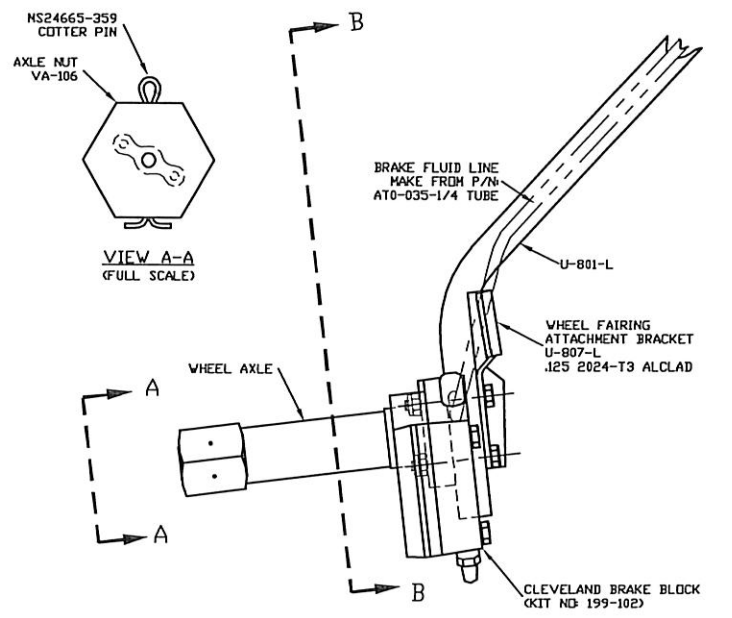
SECTION C-C VIEW LOOKING AFT (HALF SCALE)



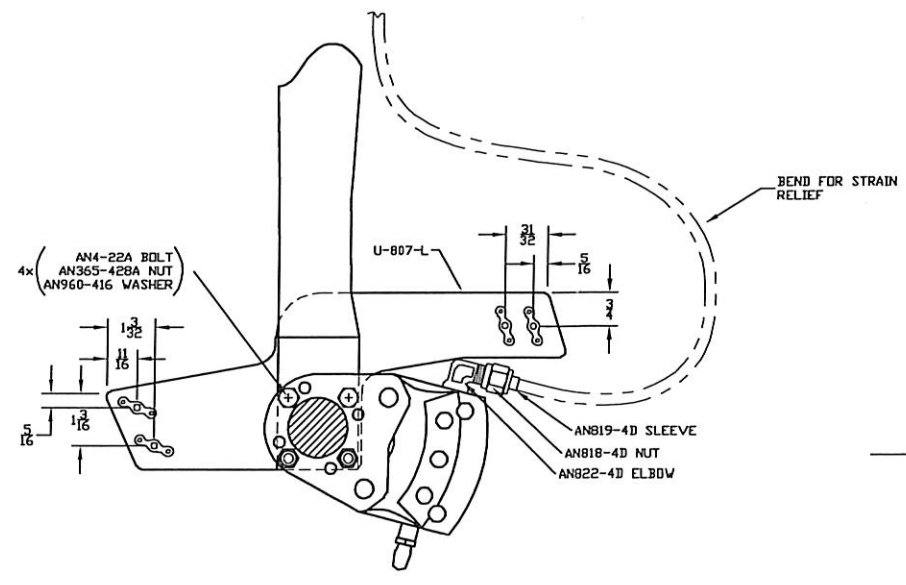
WHEEL FAIRING SIDE VIEW VIEW LOOKING INBOARD



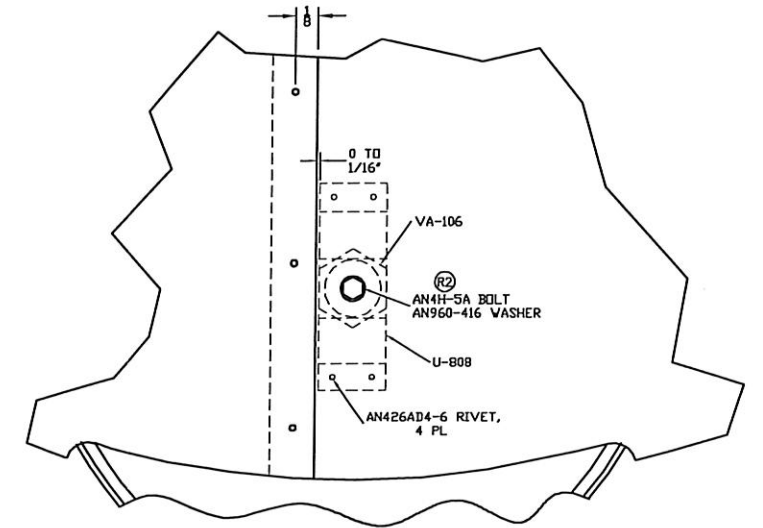
AXLE ALIGNMENT DETAIL (NO SCALE)



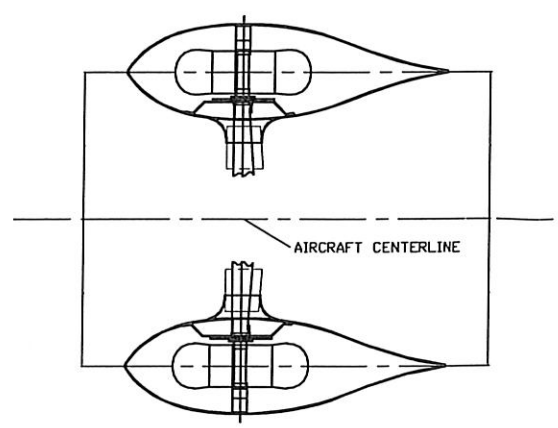
AXLE AND BRAKE ATTACHMENT DETAIL REAR VIEW (HALF SCALE)



SECTION B-B BRAKE AND BRAKE LINE ATTACHMENT (HALF SCALE)

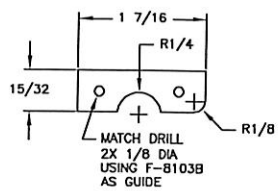


DETAIL A (NO SCALE)

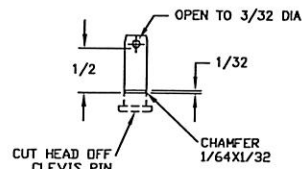


VIEW D-D

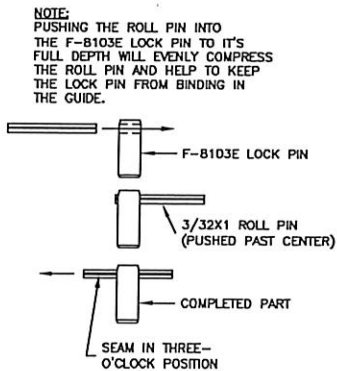
R2	AN4H-5A WAS AN4-5A	12/99
R1	AN507-6R8 WAS -BR8; K1000-06 WAS -08.	2/98
		VAN'S AIRCRAFT, INC. 14401 NE KEL RD. AURORA, OR 97002 USA
<b>WHEEL FAIRINGS, WHEEL ATTACHMENT</b>		
DATE DRAWN:	8/6/97	
DRAWN BY:	MATT HUDLEY	UNITS: INCHES
TOLERANCES:	NOT GIVEN (UNLESS OTHERWISE SPECIFIED)	SCALE: 1/4 (EXCEPT WHERE NOTED) D-SIZE ORIGINAL
PATH/FILENAME:	G:\RV-8\2 OTHER PLANS\RV8-45.DWG	DWG 45



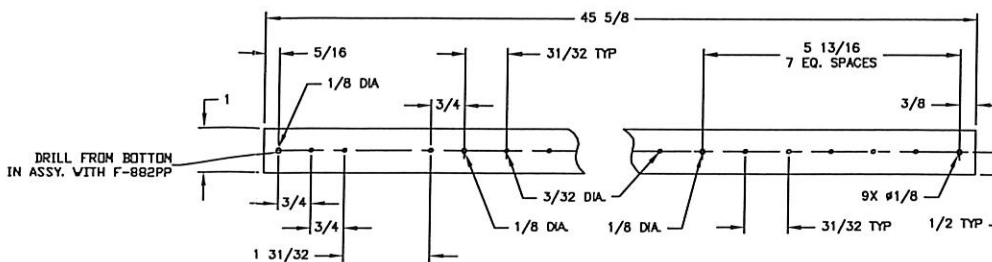
**SPACER F-8103C**  
MAKE FM: AB3-188X1 1/4  
2 REQ'D FULL SCALE



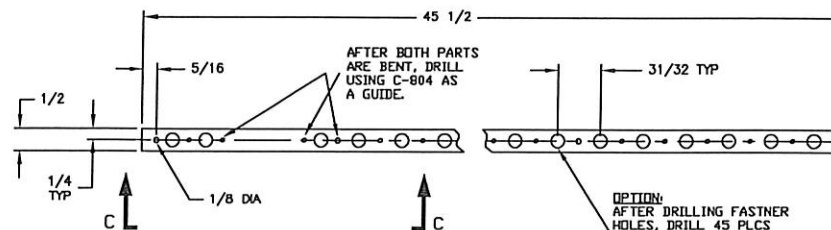
**LOCK PIN F-8103E**  
MAKE FM: 1/4X11/16 CLEVIS PIN  
MS20392-3C21 FULL SCALE



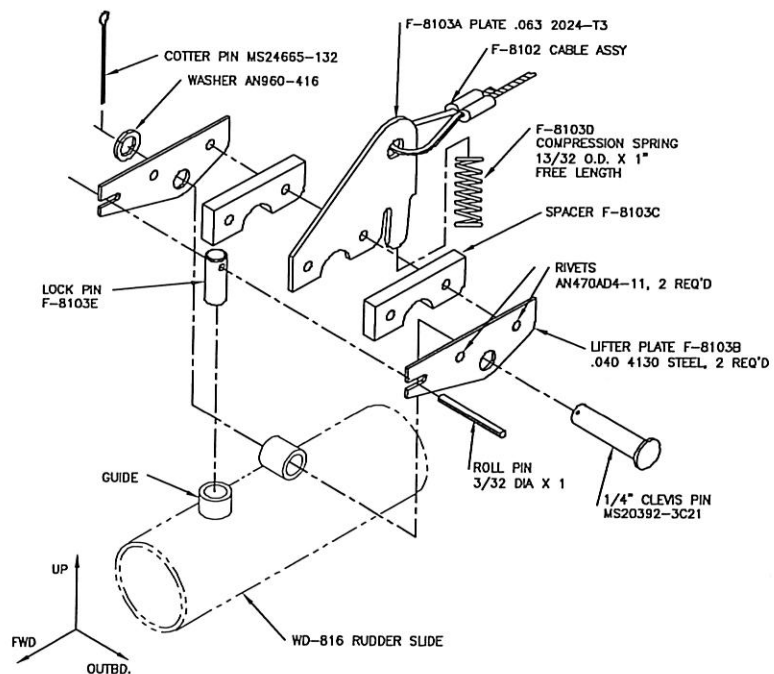
**F-8103E LOCK PIN ASSY.**



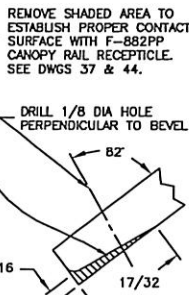
**CANOPY SLIDE CAP C-804**  
.063 2024-T3 HALF SCALE  
SEE DWG 44



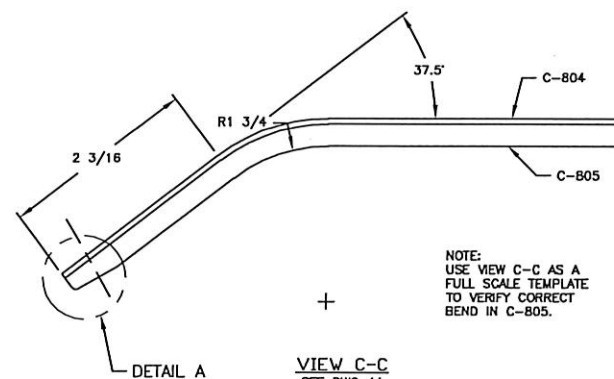
**CANOPY SLIDE SPACER C-805**  
250 6061-T6 BAR HALF SCALE  
SEE DWG 44



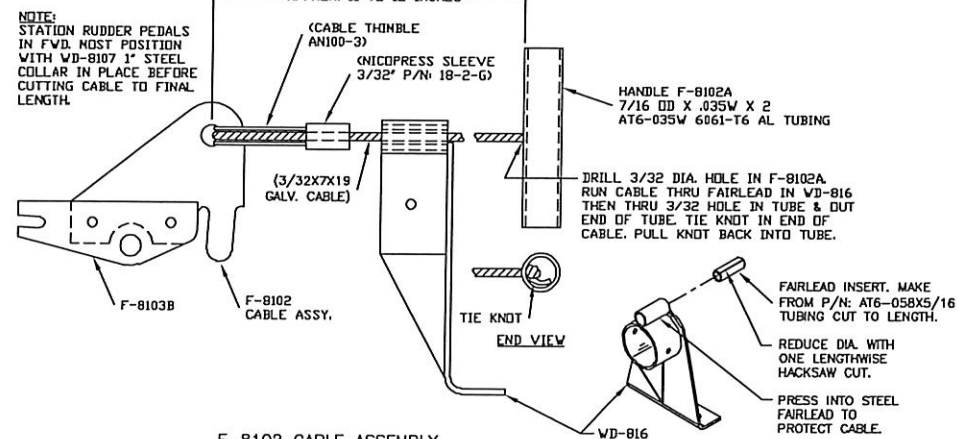
**F-8103 LATCH ASSEMBLY**  
SEE DWG 34



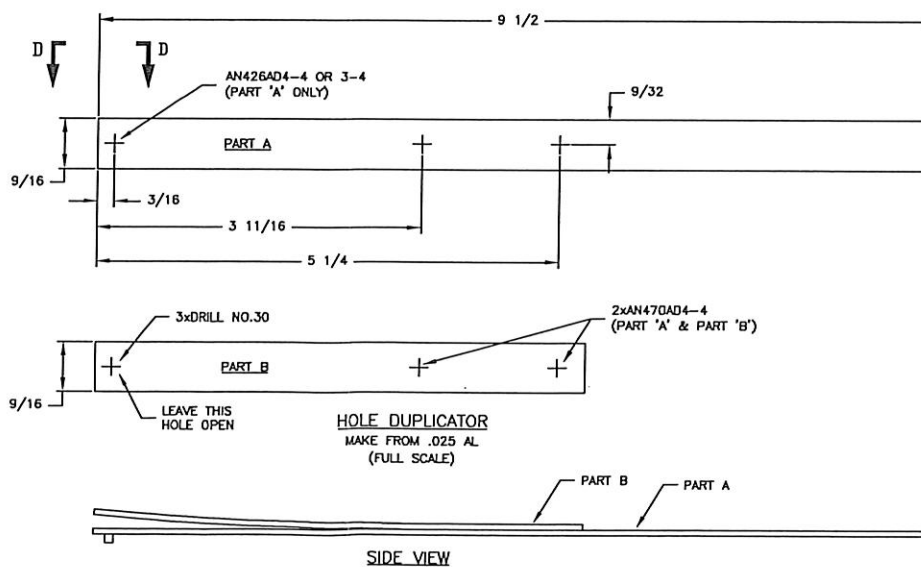
**DETAIL A**  
2X FULL SCALE



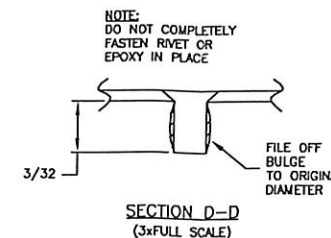
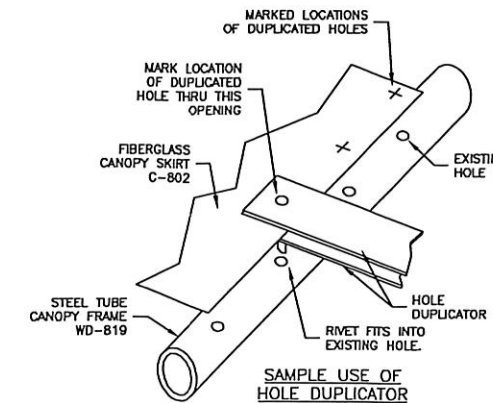
**VIEW C-C**  
SEE DWG 44  
FULL SCALE



**F-8102 CABLE ASSEMBLY**  
FULL SCALE SEE DWG 34



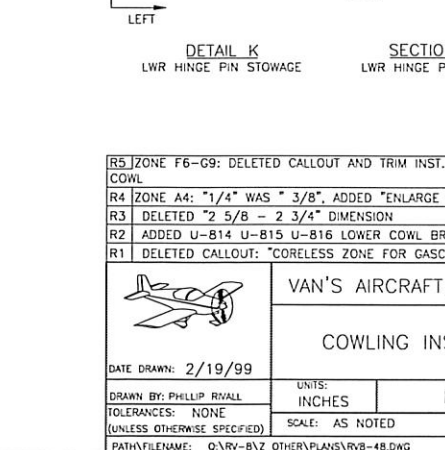
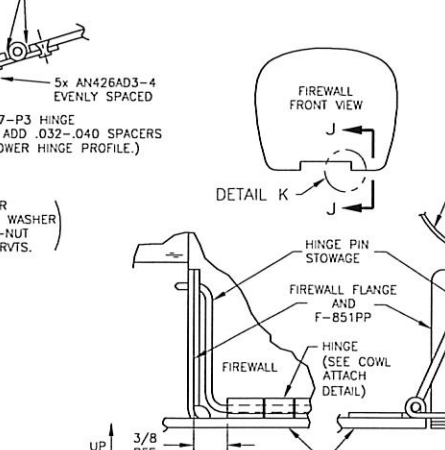
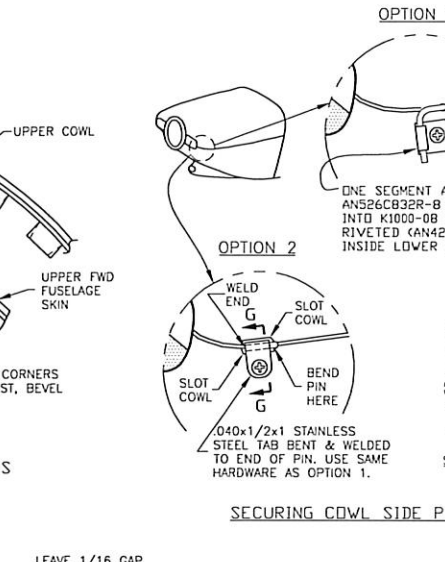
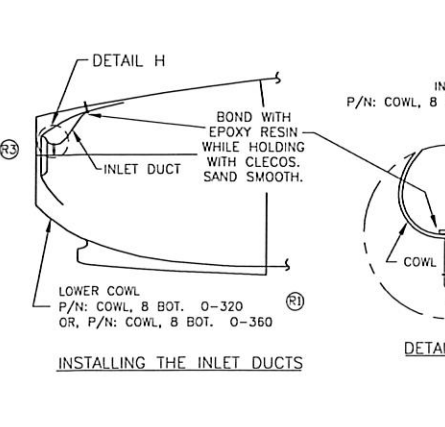
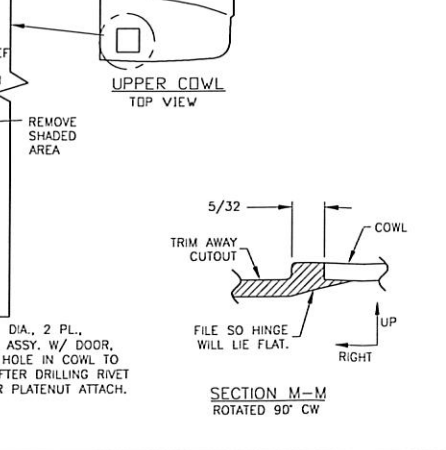
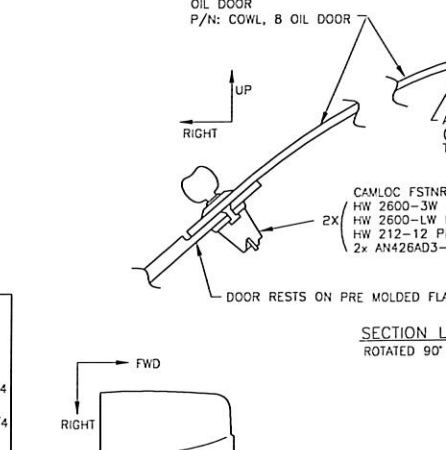
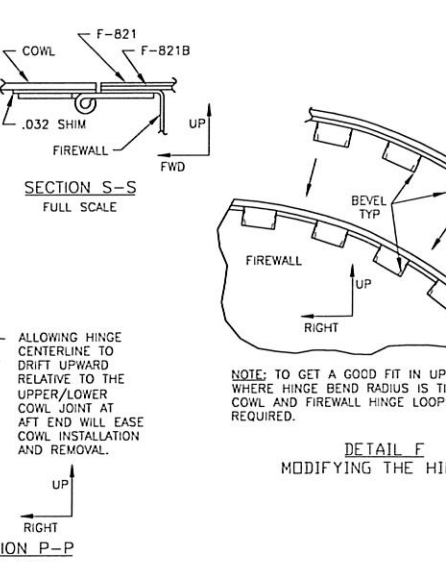
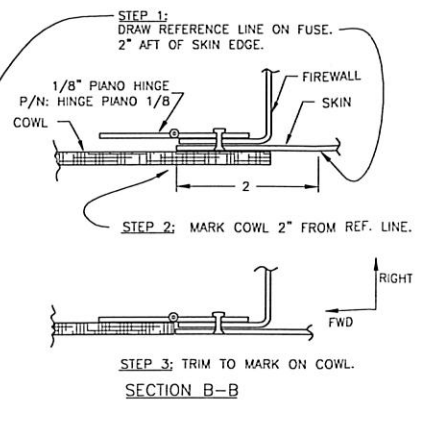
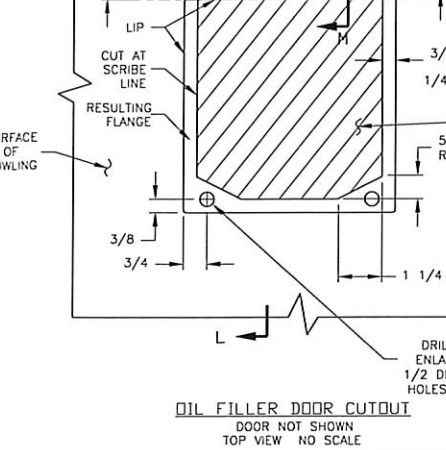
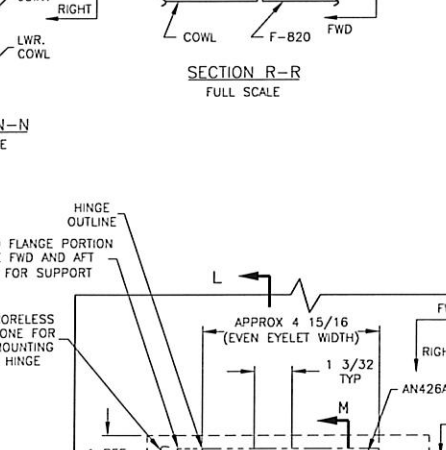
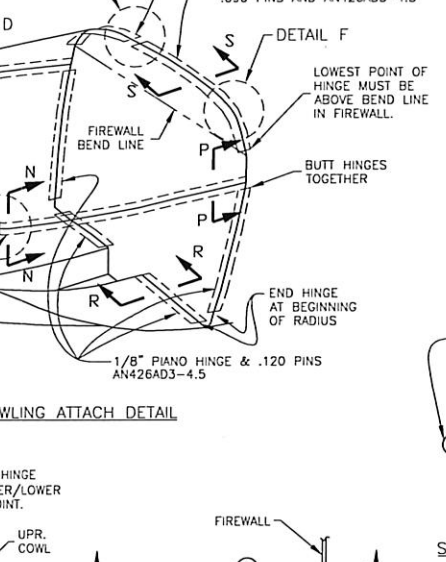
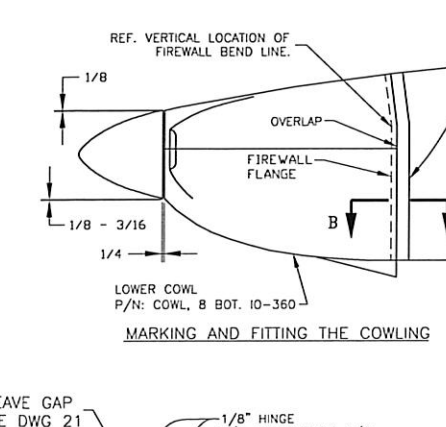
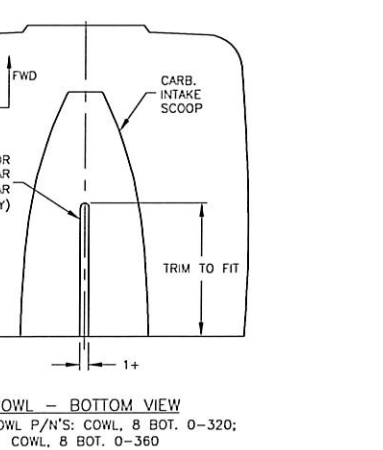
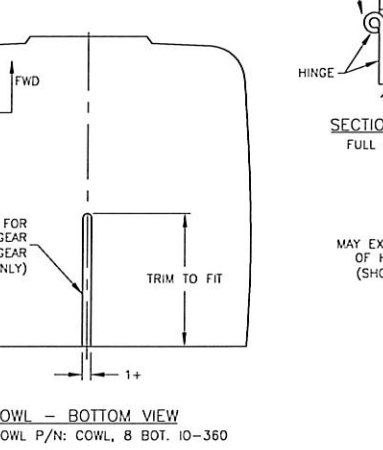
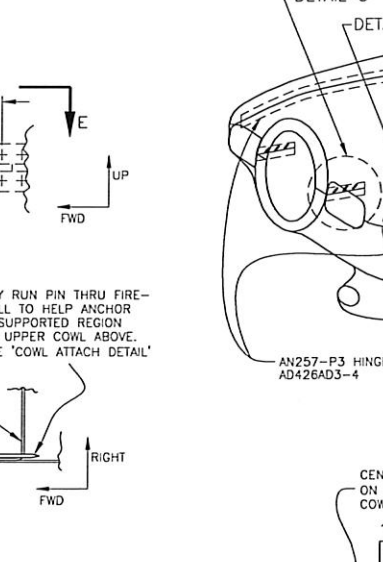
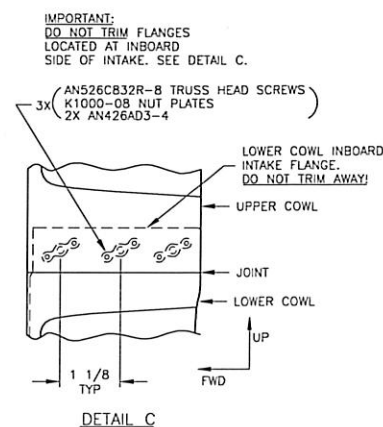
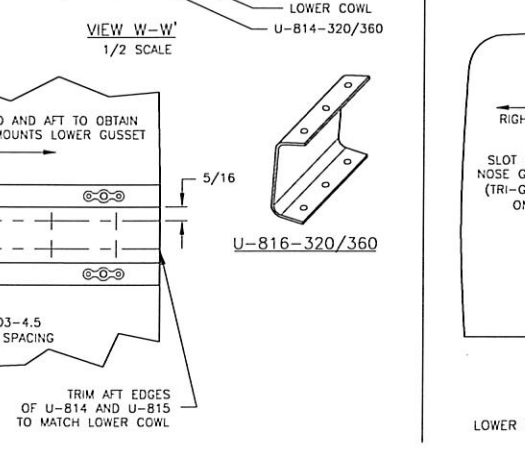
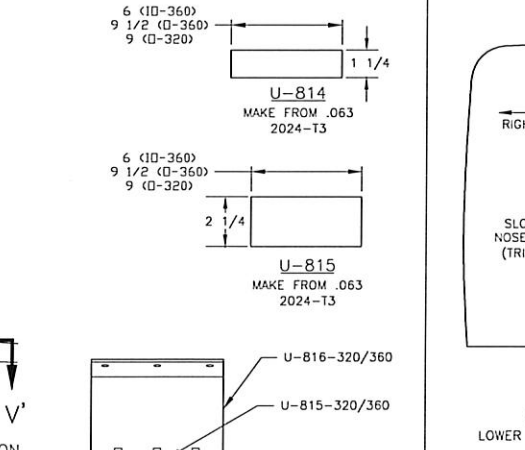
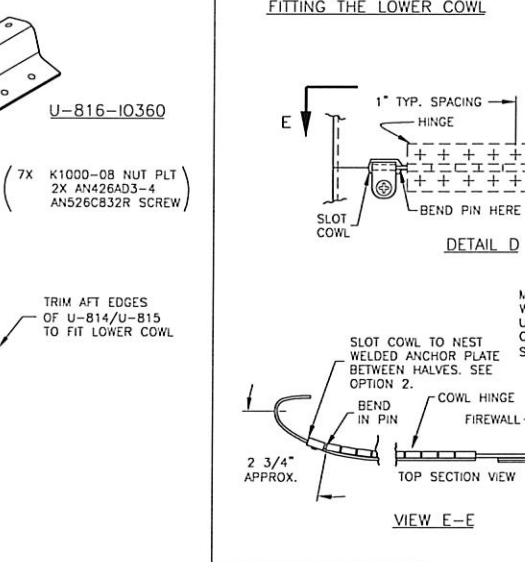
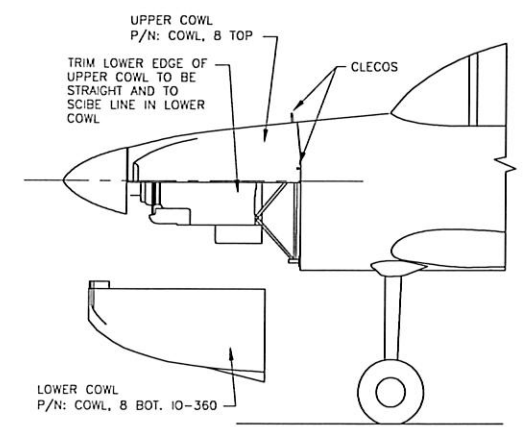
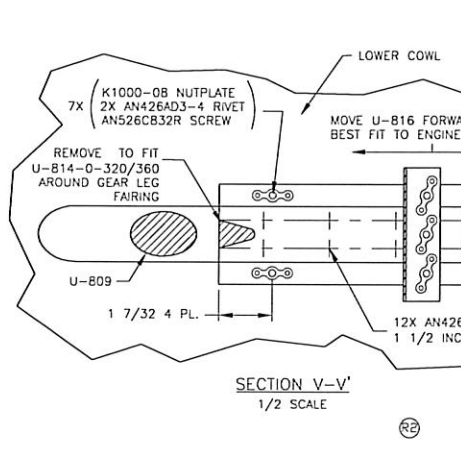
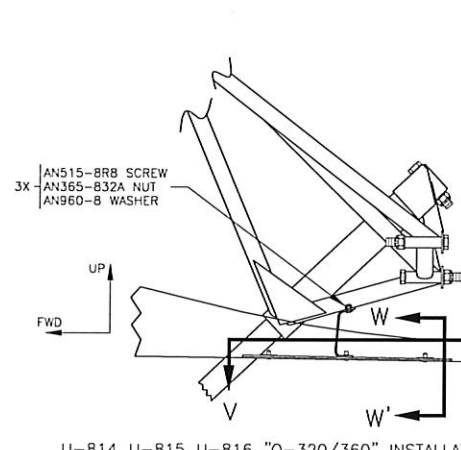
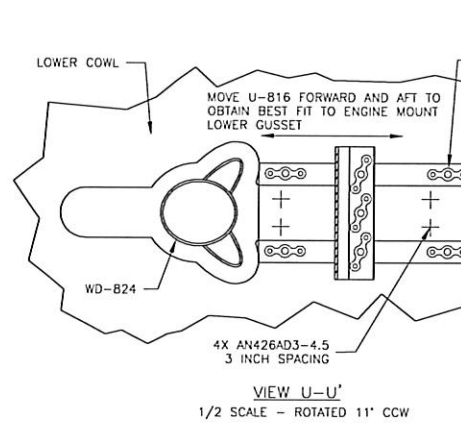
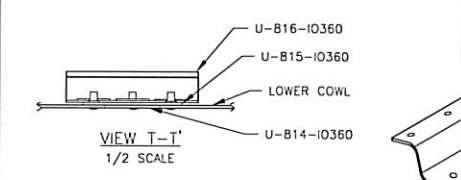
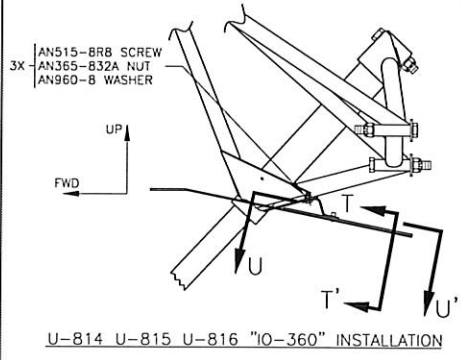
**SIDE VIEW**



**SECTION D-D**  
(3x FULL SCALE)

		<b>VAN'S AIRCRAFT, INC.</b> PO BOX 160 NORTH PLAINS, OR 97133	
<b>RUDDER PEDAL LATCH, CANOPY SLIDE &amp; MISC.</b>		UNITS: INCHES	RV-8
DATE DRAWN: 10/31/97	DRAWN BY: PHILLIP RYALL	TOLERANCES: NONE GIVEN (UNLESS OTHERWISE SPECIFIED)	SCALE: NOTED
PATH/FILENAME: E:\RV-8VZ-OTHERPLANS\DWG 46.DWG		D-SIZE ORIGINAL	DWG 46





FITTING THE LOWER COWL

MARKING AND FITTING THE COWLING

COWLING ATTACH DETAIL

MODIFYING THE HINGES

SECURING COWL SIDE PINS

IMPORTANT:  
DO NOT TRIM FLANGES  
LOCATED AT INBOARD  
SIDE OF INTAKE. SEE DETAIL C.

STEP 1: DRAW REFERENCE LINE ON FUSE.  
2" AFT OF SKIN EDGE.

STEP 2: MARK COWL 2" FROM REF. LINE.

STEP 3: TRIM TO MARK ON COWL.

INSTALLING THE INLET DUCTS

NOTE: TO GET A GOOD FIT IN UPPER CORNERS  
WHERE HINGE BEND RADIUS IS TIGHTEST, BEVEL  
COWL AND FIREWALL HINGE LOOPS AS  
REQUIRED.

NOTE: TO GET A GOOD FIT IN UPPER CORNERS  
WHERE HINGE BEND RADIUS IS TIGHTEST, BEVEL  
COWL AND FIREWALL HINGE LOOPS AS  
REQUIRED.

NOTE: TO GET A GOOD FIT IN UPPER CORNERS  
WHERE HINGE BEND RADIUS IS TIGHTEST, BEVEL  
COWL AND FIREWALL HINGE LOOPS AS  
REQUIRED.

NOTE: TO GET A GOOD FIT IN UPPER CORNERS  
WHERE HINGE BEND RADIUS IS TIGHTEST, BEVEL  
COWL AND FIREWALL HINGE LOOPS AS  
REQUIRED.

NOTE: TO GET A GOOD FIT IN UPPER CORNERS  
WHERE HINGE BEND RADIUS IS TIGHTEST, BEVEL  
COWL AND FIREWALL HINGE LOOPS AS  
REQUIRED.

NOTE: TO GET A GOOD FIT IN UPPER CORNERS  
WHERE HINGE BEND RADIUS IS TIGHTEST, BEVEL  
COWL AND FIREWALL HINGE LOOPS AS  
REQUIRED.

NOTE: TO GET A GOOD FIT IN UPPER CORNERS  
WHERE HINGE BEND RADIUS IS TIGHTEST, BEVEL  
COWL AND FIREWALL HINGE LOOPS AS  
REQUIRED.

NOTE: TO GET A GOOD FIT IN UPPER CORNERS  
WHERE HINGE BEND RADIUS IS TIGHTEST, BEVEL  
COWL AND FIREWALL HINGE LOOPS AS  
REQUIRED.

R5	ZONE F6-G9: DELETED CALLOUT AND TRIM INST. TO MATCH SUPPLIED COWL	12/08
R4	ZONE A4: "1/4" WAS "3/8", ADDED "ENLARGE HOLE IN COWL."	2/02
R3	DELETED "2 5/8 - 2 3/4" DIMENSION	1/01
R2	ADDED U-814 U-815 U-816 LOWER COWL BRACKET DETAILS.	2/99
R1	DELETED CALLOUT: "CORELESS ZONE FOR GASCOLATOR"	3/98

14401 NE KEL RE  
AURORA, OR  
97002 USA

VAN'S AIRCRAFT, INC.

COWLING INSTALLATION

DATE DRAWN: 2/19/99

DRAWN BY: PHILIP RYALL

TOLERANCES: NONE

(UNLESS OTHERWISE SPECIFIED)

SCALE: AS NOTED

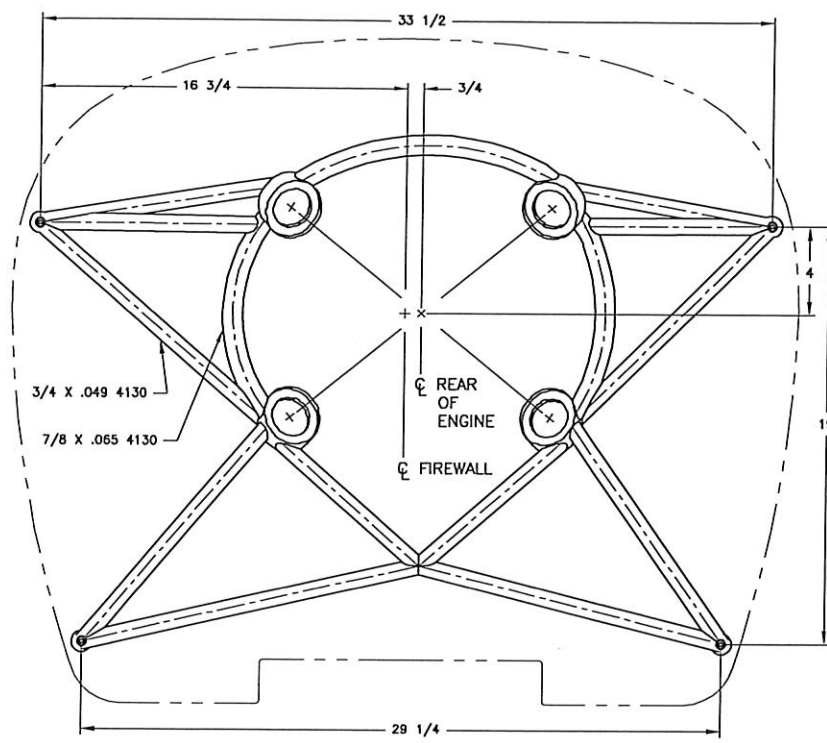
PATH: \\FILENAME: 0:\RV-8\2 OTHER PLANS\RV-8-48.DWG

UNITS: INCHES

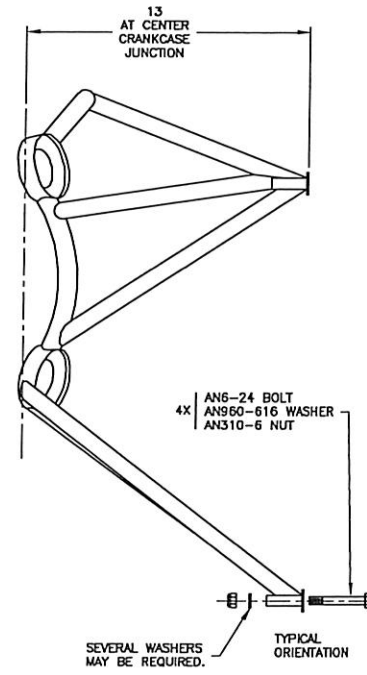
RV-8/8A

D-SIZE ORIGINAL

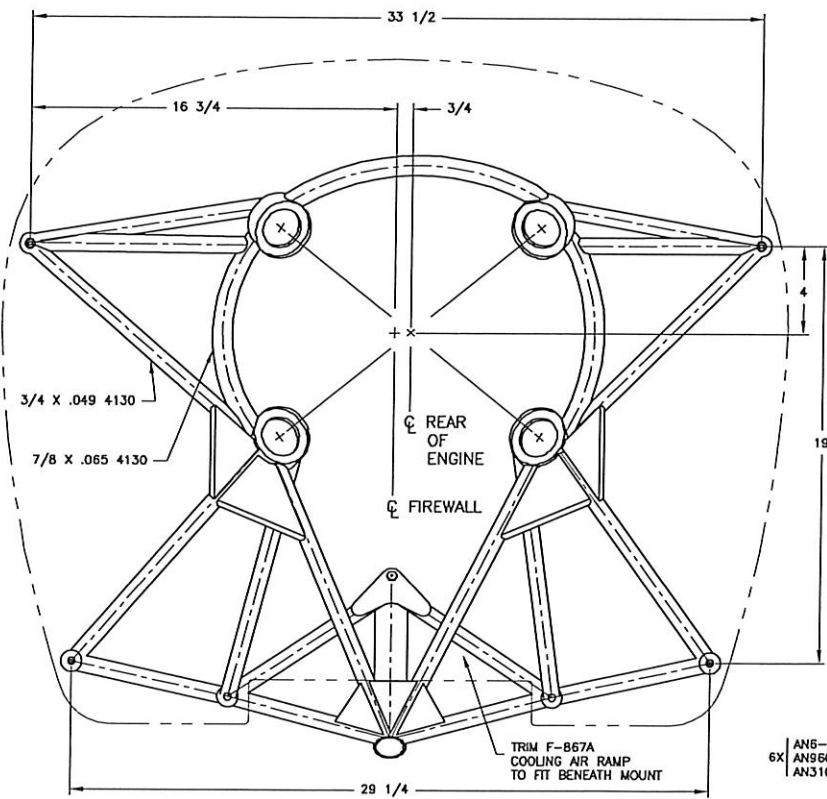
DWG 48



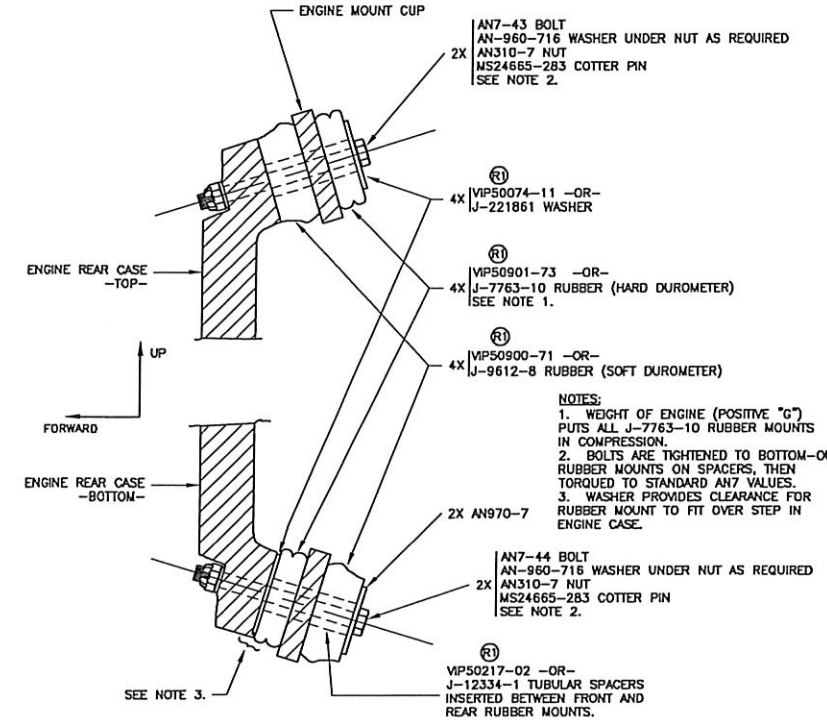
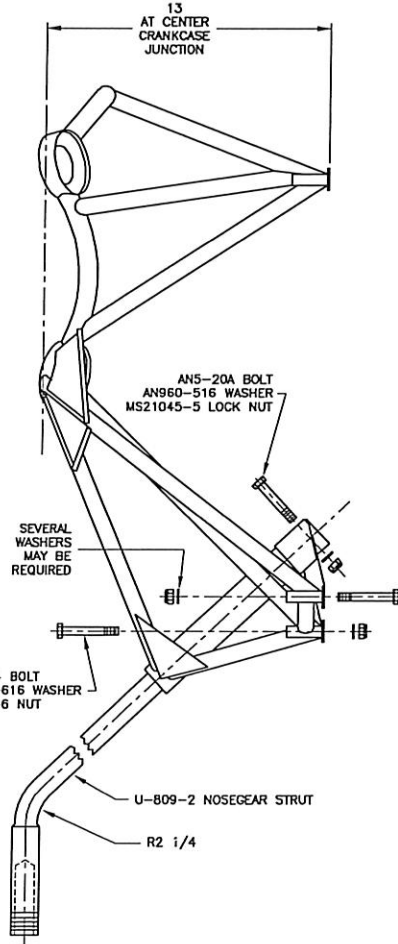
WD-801 (RV-8) TYPE 1 DYNAFOCAL ENGINE MOUNT



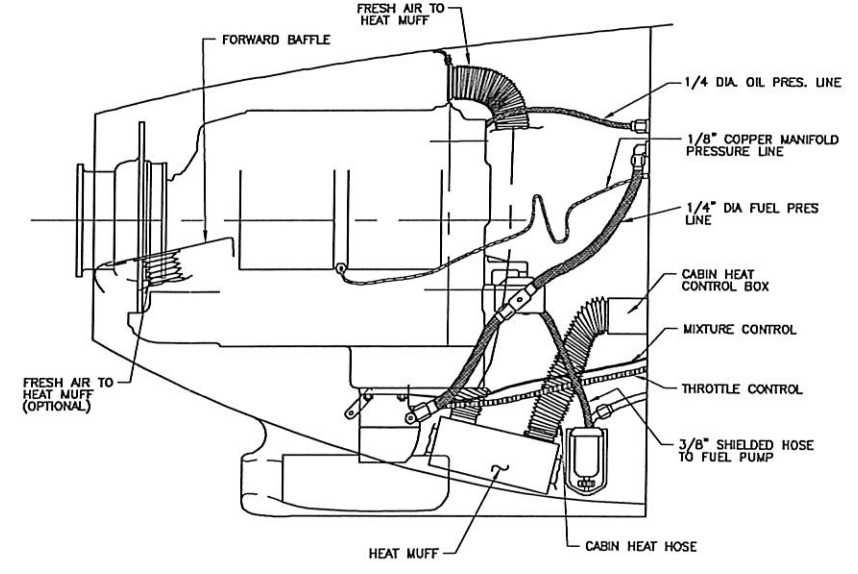
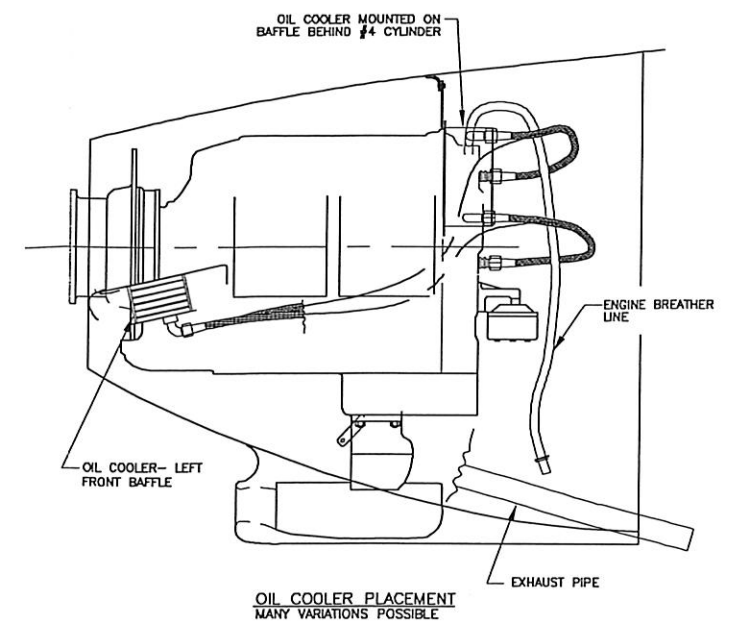
GENERAL NOTE:  
BUILT-IN OFFSET IS  
IN REAR OF ENGINE.  
FRONT OF ENGINE  
IS ON CENTERLINE.



WD-824 (RV-8A) TYPE 1 DYNAFOCAL ENGINE MOUNT

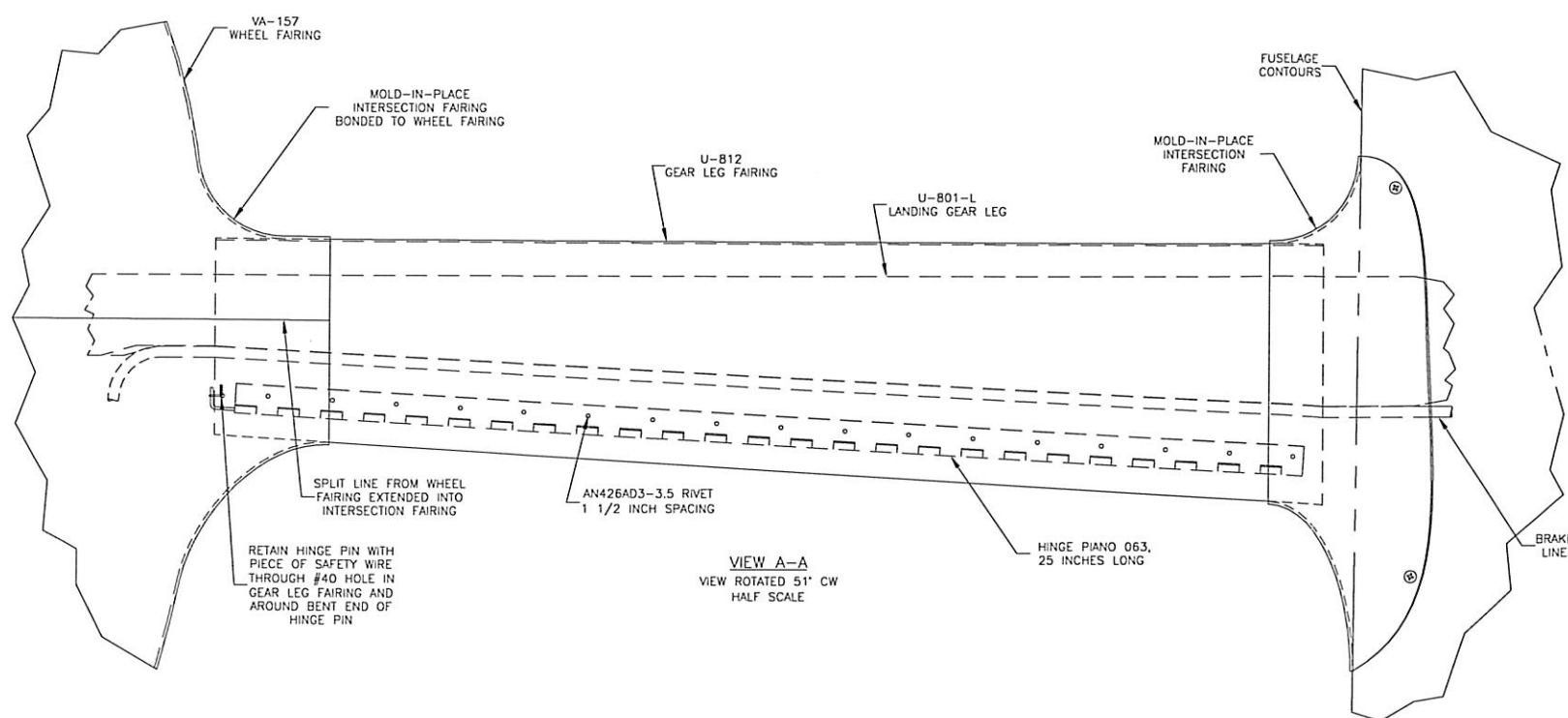


TYPICAL INSTALLATION OF DYNAFOCAL MOUNTING KIT

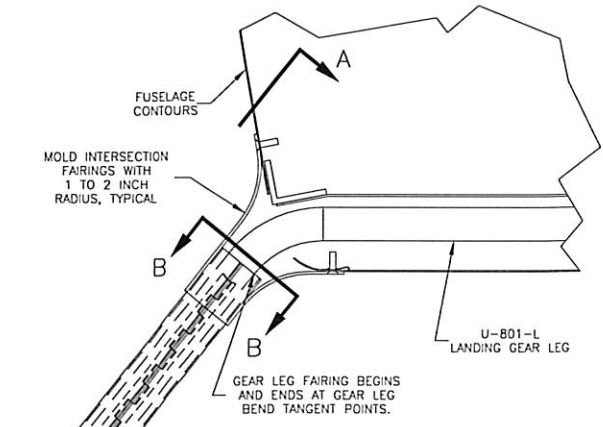


TYPICAL ENGINE INSTALLATION MANY VARIATIONS POSSIBLE

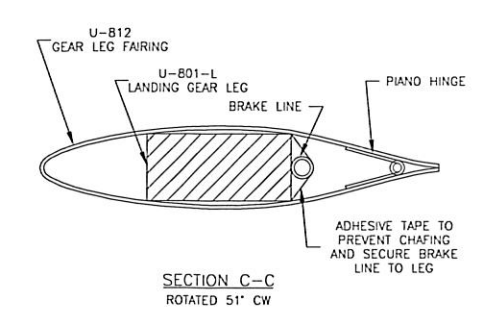
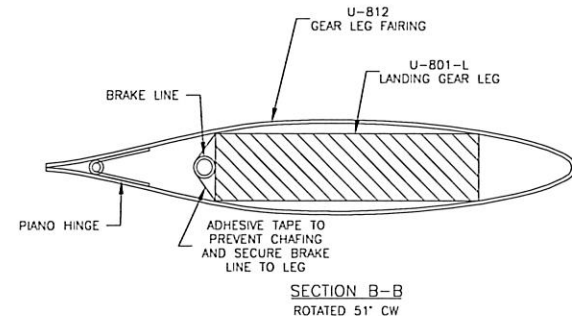
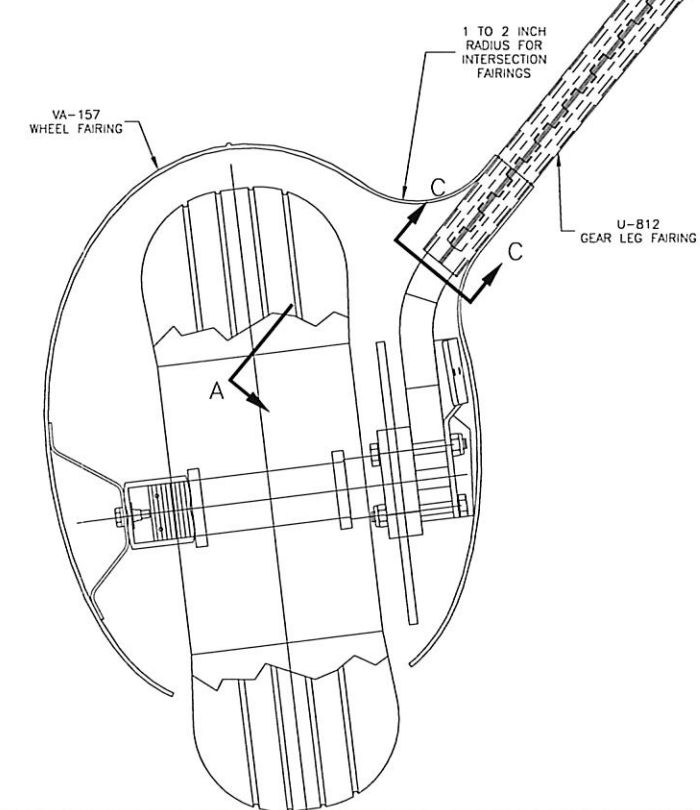
R11 REPLACED BARRY PART NUMBERS WITH VIP 10/10/01		14401 NE KODL RD. AURORA, OR 97002 USA	
VAN'S AIRCRAFT, INC.		ENGINE MOUNT	
DATE DRAWN: 12/4/97	UNITS: INCHES	RV-8	
DRAWN BY: PHILLIP RYALL	TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)	SCALE: AS NOTED	D-SIZE ORIGINAL
PATH\FILENAME: 0:\RV-8\Z OTHER\PLANS\RV8-49.DWG		DWG 49	




VIEW A-A  
VIEW ROTATED 51° CW  
HALF SCALE



LEFT GEAR LEG & FAIRING  
REAR VIEW 1/2 SCALE

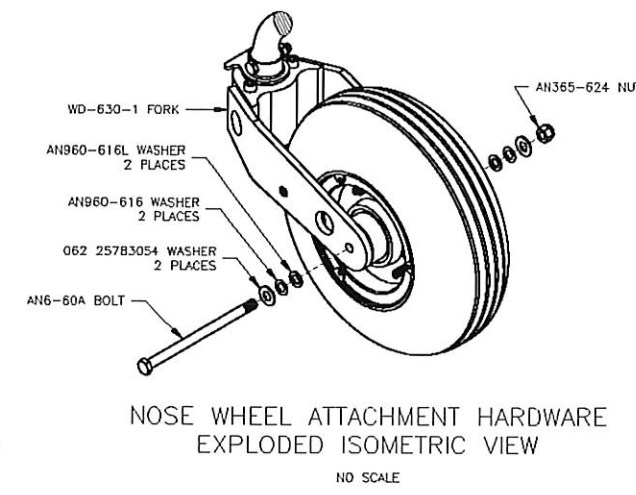
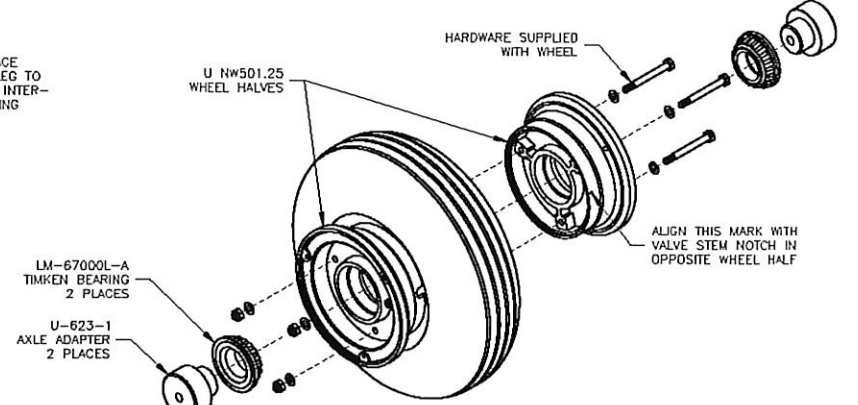
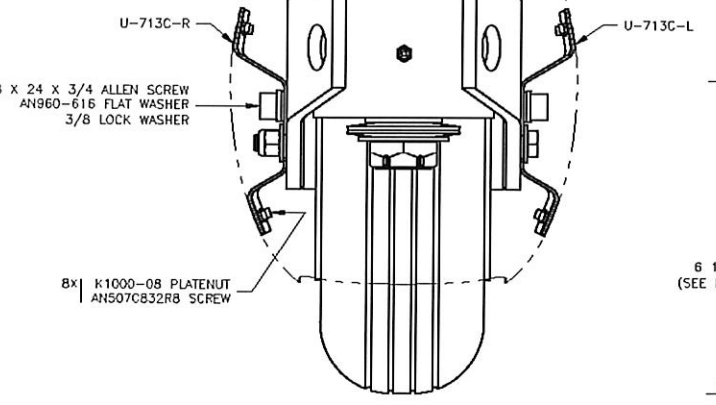
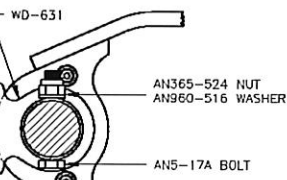
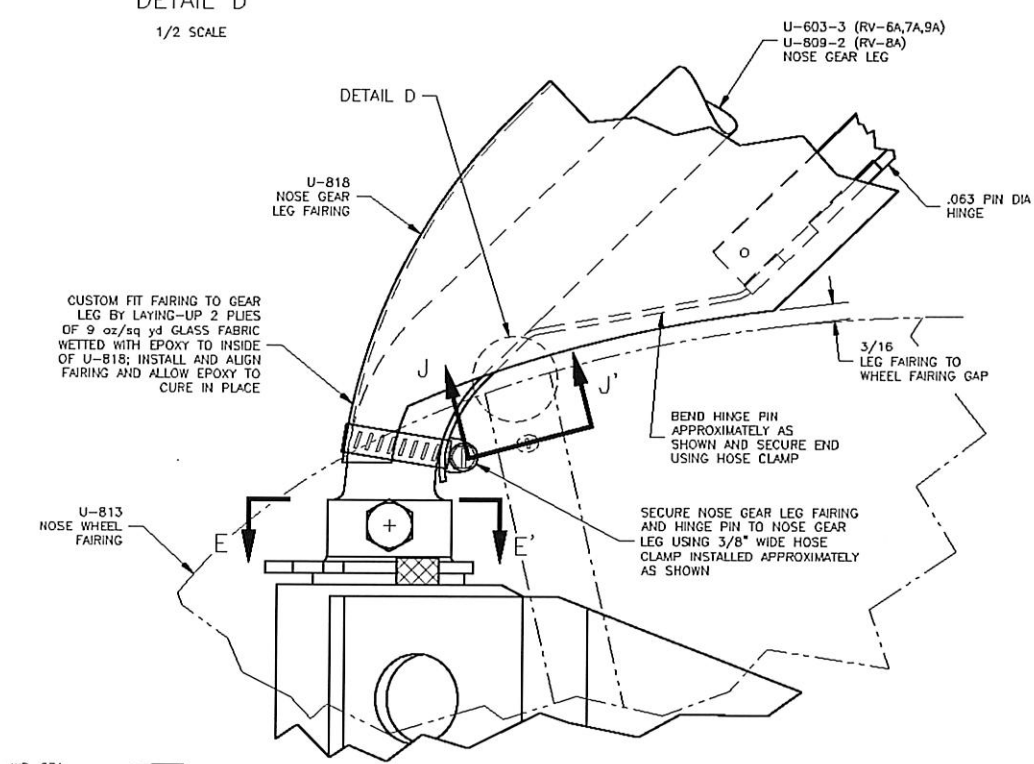
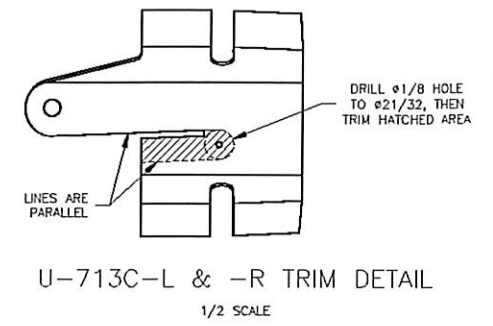
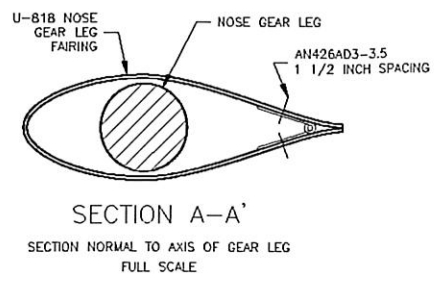
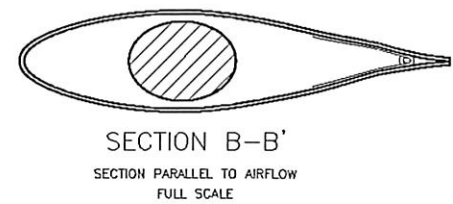
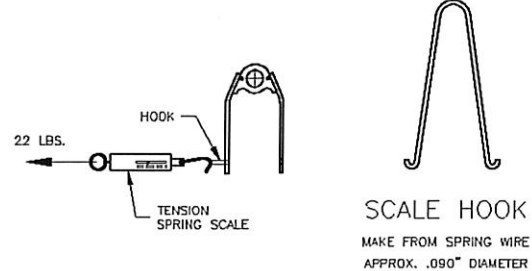
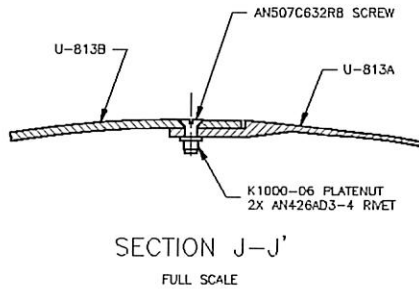
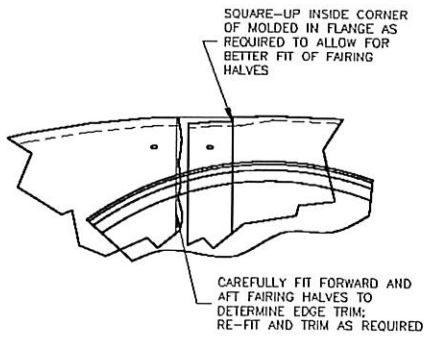


REPLACED TEXT AN257-P3 WITH HINGE PIANO 063 11/21/08

		VAN'S AIRCRAFT, INC. 14401 NE KEIL AURORA, OR 97002 USA	
GEAR LEG FAIRING			
DATE DRAWN: 10/27/98	UNITS: INCHES	RV-8	
DRAWN BY: PHILIP RIVALL	SCALE: FULL AND AS NOTED	D-SIZE ORIGIN	
TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)	SCALE: FULL AND AS NOTED	D-SIZE ORIGIN	
PATH/FILENAME: 0:\RV-B2 OTHER PLANS\RVB-50.DWG		DWG 5	

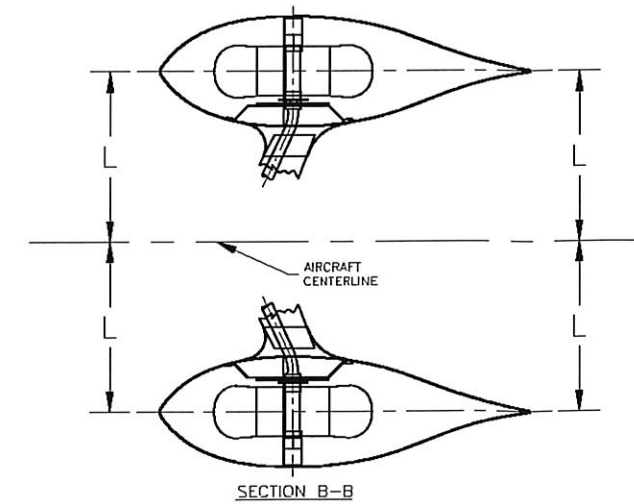
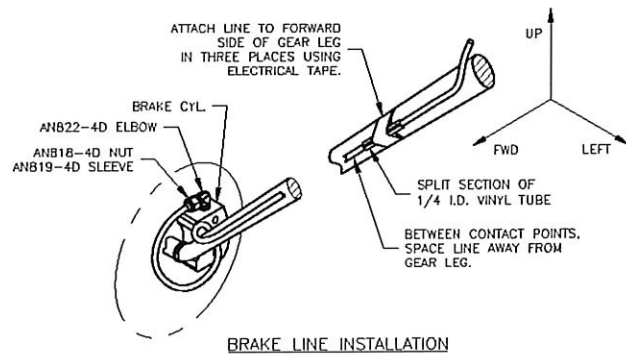
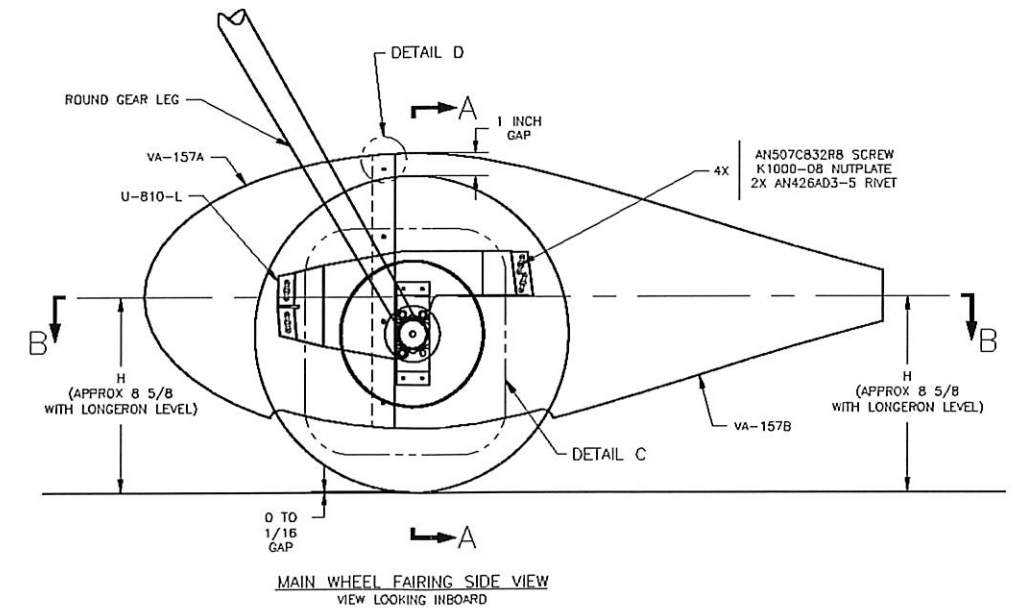
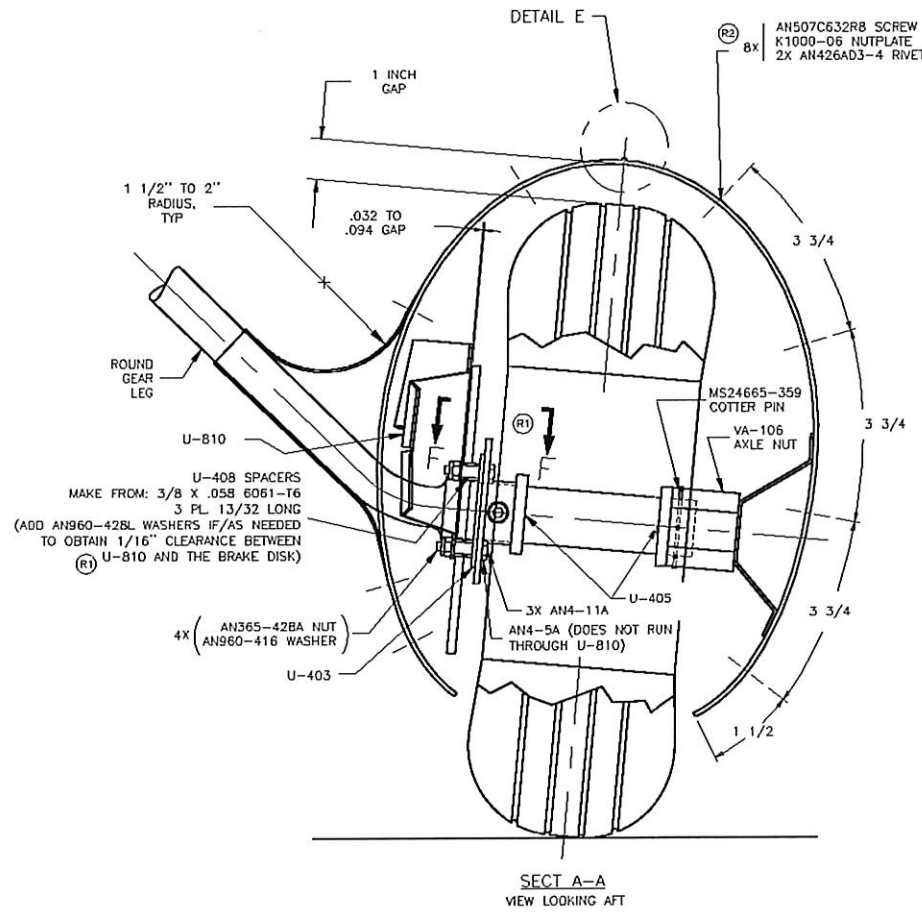
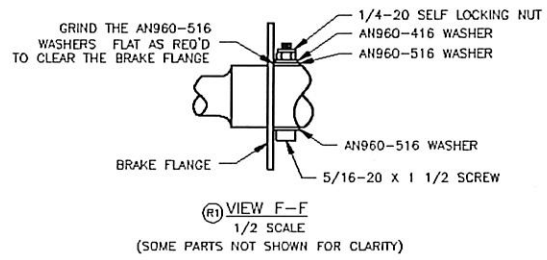
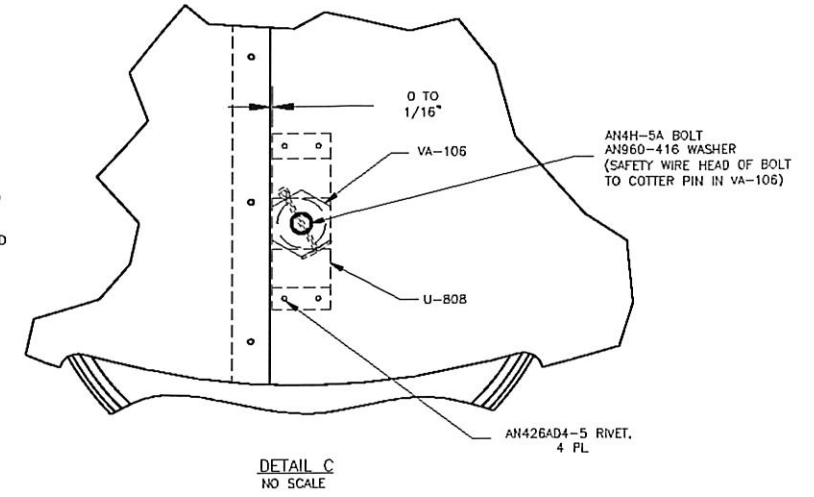
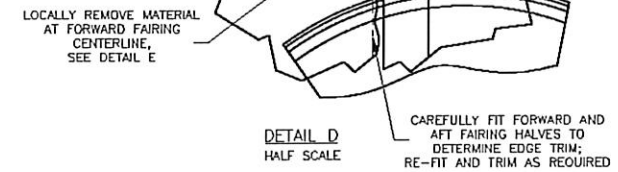
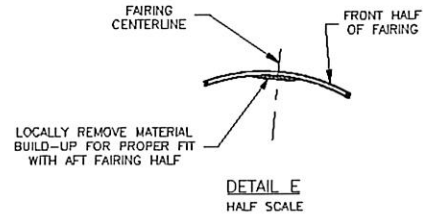



C1

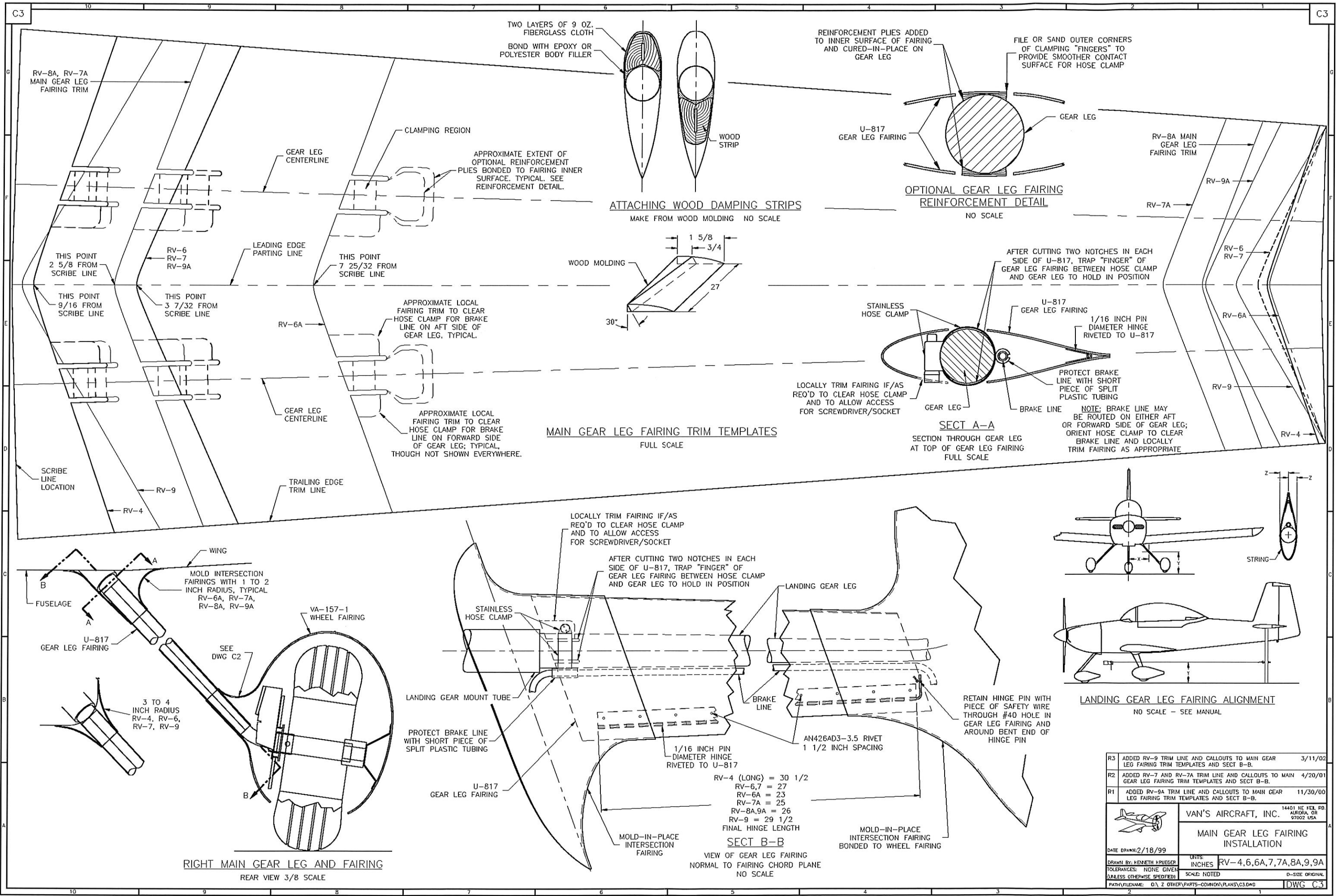


NOTE 1: DIMENSIONS GIVEN WITH THE LONGERONS LEVEL AND NO DEFLECTION IN THE TIRE.

R3	COMPLETELY REDRAWN	12/27
VAN'S AIRCRAFT, INC.		14401 NE K1 AURORA, 97002 U
NOSE WHEEL, WHEEL AND GEAR LEG FAIRINGS		
DATE DRAWN: 2/16/99	UNITS: INCHES	RV-6A,7A,8A,9A
DRAWN BY: KENNETH KRUEGER	SCALE: AS NOTED	D-SIZE OR
TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)	SCALE: AS NOTED	D-SIZE OR
PATH: FILENAME: 0:\2-OTHER PARTS-COMMON\PLANS\C1.DWG		DWG



R2	IN ZONE F5, 8X WAS 7X.	11/13/00
R1	ADDED VIEW F-F; ADDED NOTE: "ADD AN960-428L WASHERS IF/A NEEDED TO GET....."	4/17/00
 <b>VAN'S AIRCRAFT, INC.</b> 14401 NE RD ALABAMA, C 97002 US		
<b>MAIN WHEEL FAIRING INSTALLATION</b>		
DATE DRAWN: 2/17/99	UNITS: INCHES	RV-4, 6, 6A, 7, 7A, 8A, 9,
DRAWN BY: RIAN JOHNSON	SCALE: 1/4 EXCEPT AS NOTED	D-SIZE OR
TOLERANCES: NONE		
(UNLESS OTHERWISE SPECIFIED)		
PATH\FIELDNAME: G:\Z OTHER\PARTS-COMMON\PLANS\C2.DWG		DWG



C3

C3

RV-8A, RV-7A  
MAIN GEAR LEG  
FAIRING TRIM

THIS POINT  
2 5/8 FROM  
SCRIBE LINE

THIS POINT  
9/16 FROM  
SCRIBE LINE

RV-9  
RV-4

GEAR LEG CENTERLINE

RV-6  
RV-7  
RV-9A

THIS POINT  
3 7/32 FROM  
SCRIBE LINE

RV-9  
RV-4

CLAMPING REGION

THIS POINT  
7 25/32 FROM  
SCRIBE LINE

RV-9  
RV-4

TWO LAYERS OF 9 OZ.  
FIBERGLASS CLOTH  
BOND WITH EPOXY OR  
POLYESTER BODY FILLER

WOOD STRIP

WOOD MOLDING

REINFORCEMENT PLYS ADDED  
TO INNER SURFACE OF FAIRING  
AND CURED-IN-PLACE ON  
GEAR LEG

FILE OR SAND OUTER CORNERS  
OF CLAMPING "FINGERS"  
TO PROVIDE SMOOTHER CONTACT  
SURFACE FOR HOSE CLAMP

U-817  
GEAR LEG FAIRING

RV-8A MAIN  
GEAR LEG  
FAIRING TRIM

RV-9A

RV-6  
RV-7  
RV-6A  
RV-9  
RV-4

**MAIN GEAR LEG FAIRING TRIM TEMPLATES**  
FULL SCALE

**SECTION THROUGH GEAR LEG  
AT TOP OF GEAR LEG FAIRING**  
FULL SCALE

**LANDING GEAR LEG FAIRING ALIGNMENT**  
NO SCALE - SEE MANUAL

**RIGHT MAIN GEAR LEG AND FAIRING**  
REAR VIEW 3/8 SCALE

**SECTION B-B**  
VIEW OF GEAR LEG FAIRING  
NORMAL TO FAIRING CHORD PLANE  
NO SCALE

R3	ADDED RV-9 TRIM LINE AND CALLOUTS TO MAIN GEAR LEG FAIRING TRIM TEMPLATES AND SECT B-B.	3/11/02
R2	ADDED RV-7 AND RV-7A TRIM LINE AND CALLOUTS TO MAIN GEAR LEG FAIRING TRIM TEMPLATES AND SECT B-B.	4/20/01
R1	ADDED RV-9A TRIM LINE AND CALLOUTS TO MAIN GEAR LEG FAIRING TRIM TEMPLATES AND SECT B-B.	11/30/00
		14401 NE KEL RD AURORA, OR 97002 USA
<p><b>VAN'S AIRCRAFT, INC.</b></p> <p><b>MAIN GEAR LEG FAIRING INSTALLATION</b></p>		
DATE DRAWN: 2/18/99	UNITS: INCHES	RV-4, 6, 6A, 7, 7A, 8A, 9, 9A
DRAWN BY: HEZKELH BRUEGER	TOLERANCES: NONE GIVEN	SCALE: NOTED
<p>UNLESS OTHERWISE SPECIFIED</p>		D-SIZE ORIGINAL
<p>PATH\FIELDNAME: 0\2 OTHER PARTS-COMMON\PLANS\C3.DWG</p>		DWG C3

- RV-4 (LONG) = 30 1/2
- RV-6,7 = 27
- RV-6A = 23
- RV-7A = 25
- RV-8A,9A = 26
- RV-9 = 29 1/2
- FINAL HINGE LENGTH

MOLD-IN-PLACE  
INTERSECTION FAIRING  
BONDED TO WHEEL FAIRING

RETAIN HINGE PIN WITH  
PIECE OF SAFETY WIRE  
THROUGH #40 HOLE IN  
GEAR LEG FAIRING AND  
AROUND BENT END OF  
HINGE PIN

AN426AD3-3.5 RIVET  
1 1/2 INCH SPACING

1/16 INCH PIN  
DIAMETER HINGE  
RIVETED TO U-817

PROTECT BRAKE LINE  
WITH SHORT PIECE OF  
SPLIT PLASTIC TUBING

U-817  
GEAR LEG FAIRING

LANDING GEAR MOUNT TUBE

LOCALLY TRIM FAIRING IF/AS  
REQ'D TO CLEAR HOSE CLAMP  
AND TO ALLOW ACCESS  
FOR SCREWDRIVER/SOCKET

AFTER CUTTING TWO NOTCHES IN EACH  
SIDE OF U-817, TRAP "FINGER"  
OF  
GEAR LEG FAIRING BETWEEN HOSE CLAMP  
AND GEAR LEG TO HOLD IN POSITION

STAINLESS  
HOSE CLAMP

BRAKE LINE

LANDING GEAR LEG

MOLD INTERSECTION  
FAIRINGS WITH 1 TO 2  
INCH RADIUS, TYPICAL  
RV-6A, RV-7A,  
RV-8A, RV-9A

VA-157-1  
WHEEL FAIRING

SEE  
DWG C2

U-817  
GEAR LEG FAIRING

3 TO 4  
INCH RADIUS  
RV-4, RV-6,  
RV-7, RV-9

FUSELAGE

WING

TRAILING EDGE  
TRIM LINE

GEAR LEG CENTERLINE

LEADING EDGE  
PARTING LINE

APPROXIMATE LOCAL  
FAIRING TRIM TO CLEAR  
HOSE CLAMP FOR BRAKE  
LINE ON AFT SIDE OF  
GEAR LEG, TYPICAL.

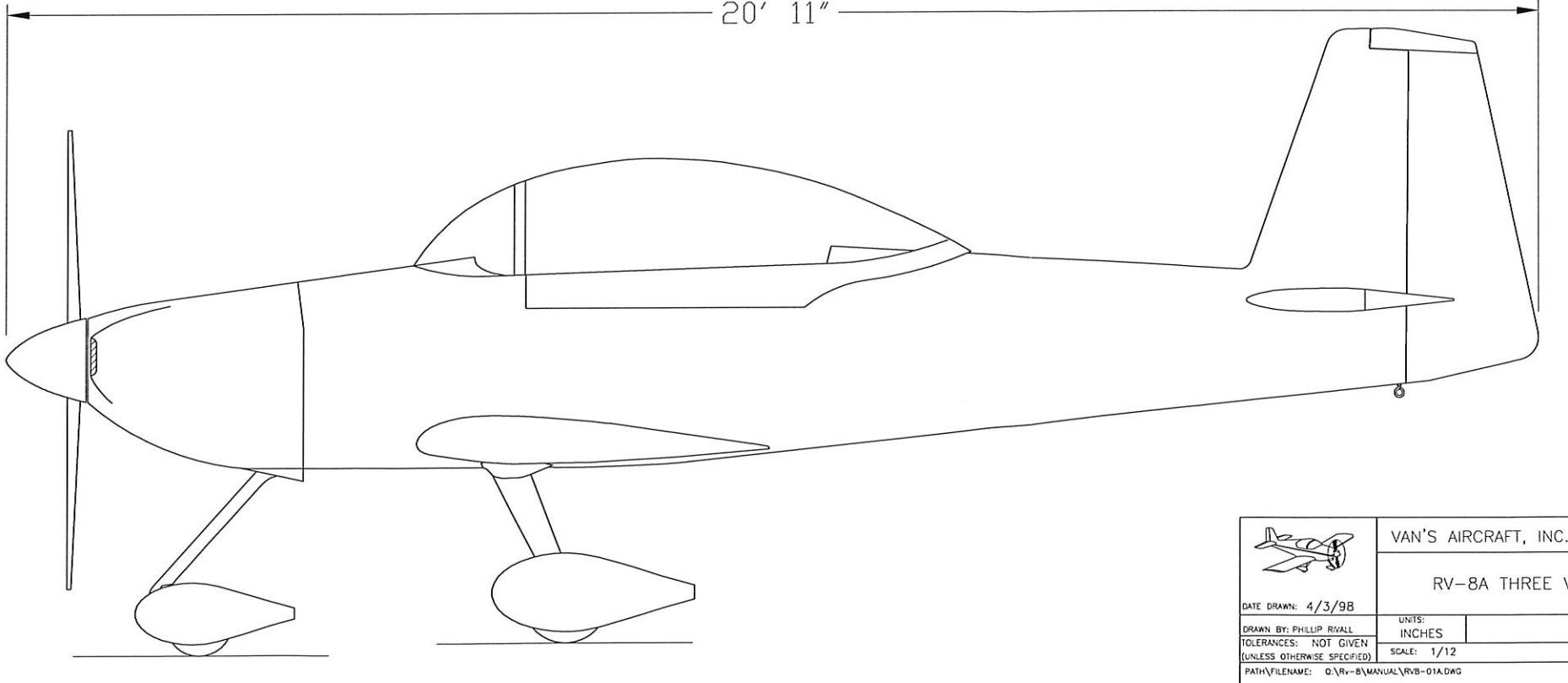
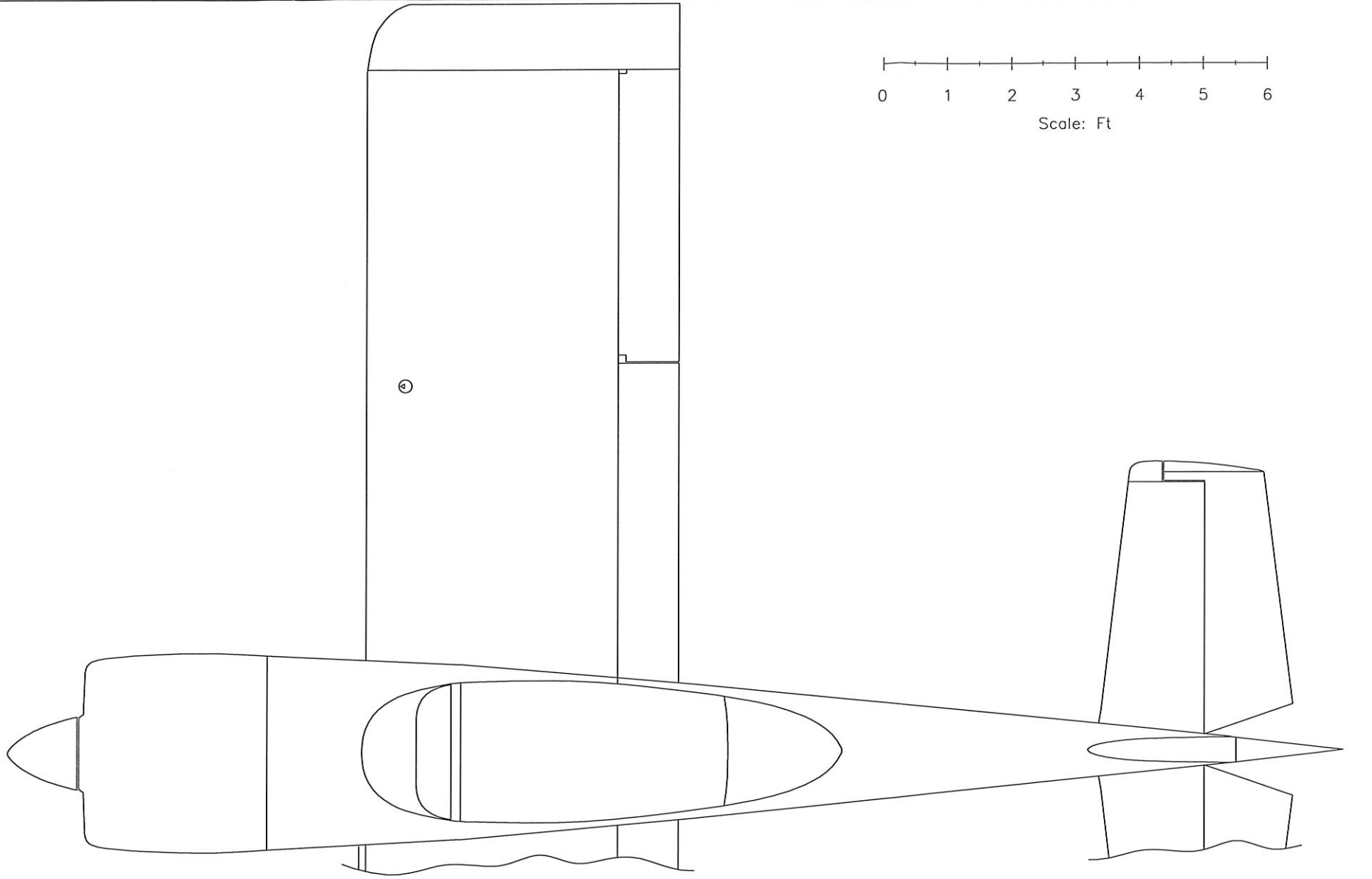
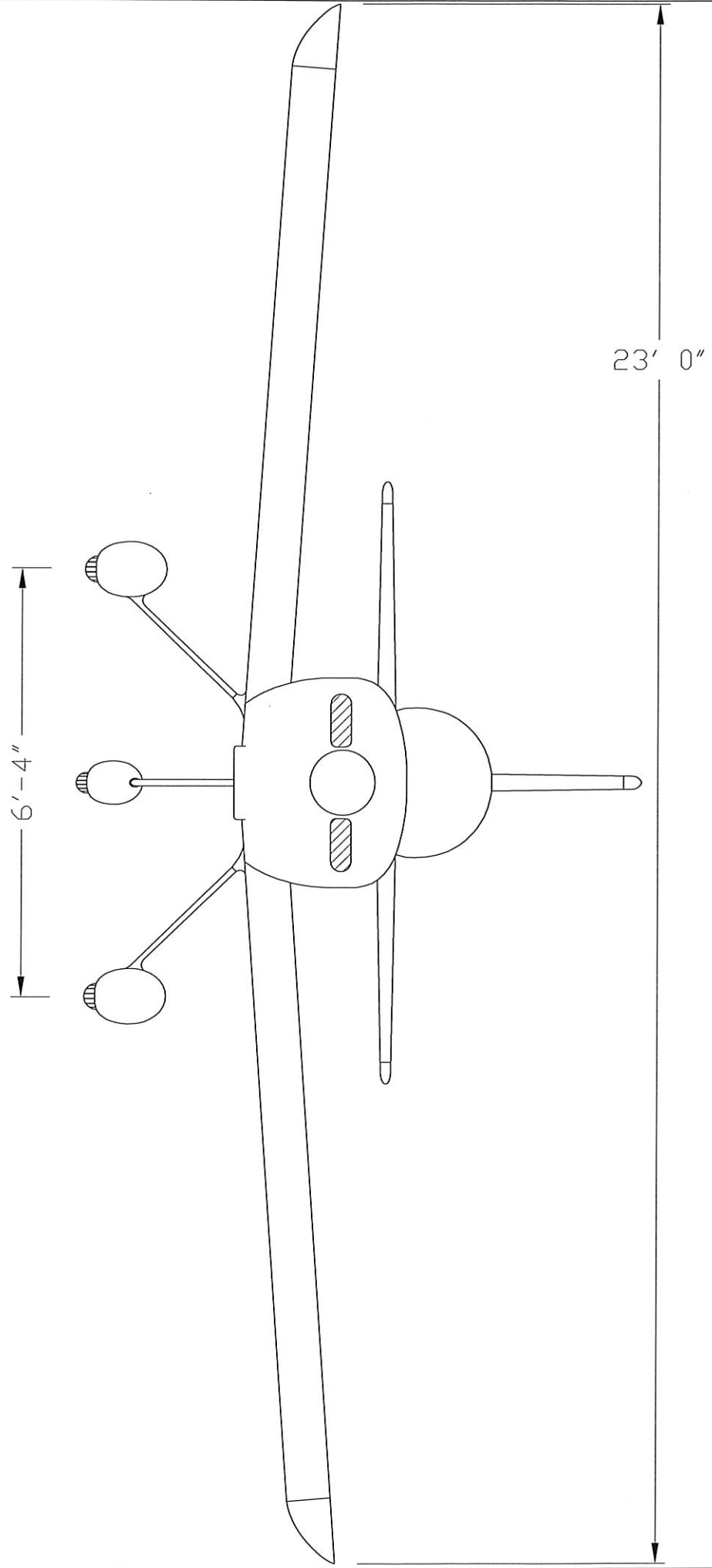
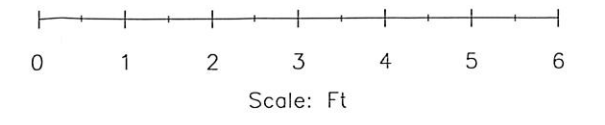
APPROXIMATE LOCAL  
FAIRING TRIM TO CLEAR  
HOSE CLAMP FOR BRAKE  
LINE ON FORWARD SIDE  
OF GEAR LEG; TYPICAL,  
THOUGH NOT SHOWN EVERYWHERE.


APPROXIMATE EXTENT OF  
OPTIONAL REINFORCEMENT  
PLYS BONDED TO FAIRING INNER  
SURFACE. TYPICAL. SEE  
REINFORCEMENT DETAIL.

ATTACHING WOOD DAMPING STRIPS  
MAKE FROM WOOD MOLDING NO SCALE

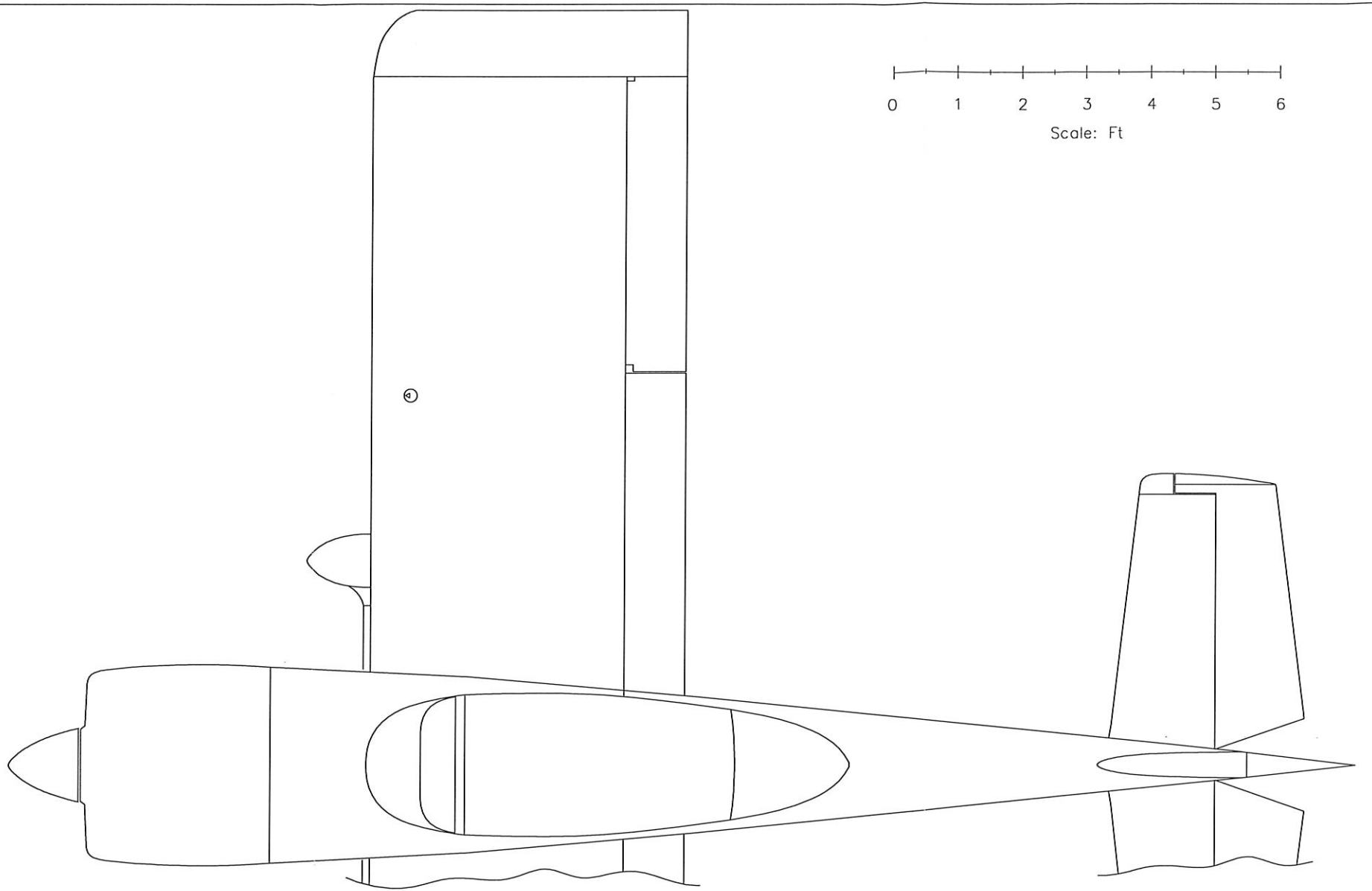
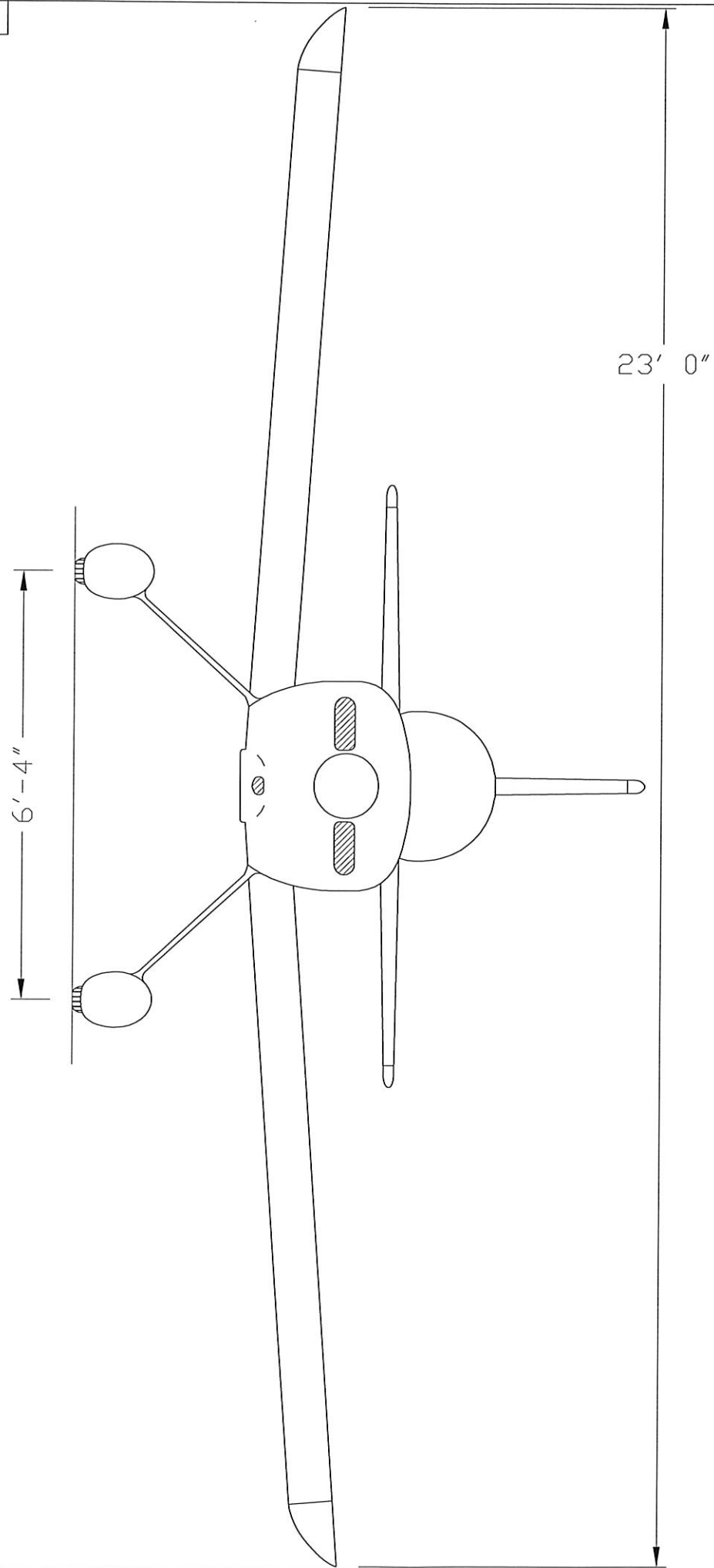
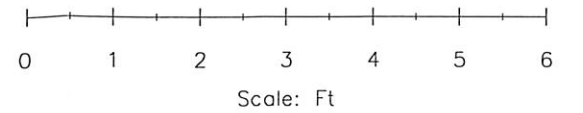


1A

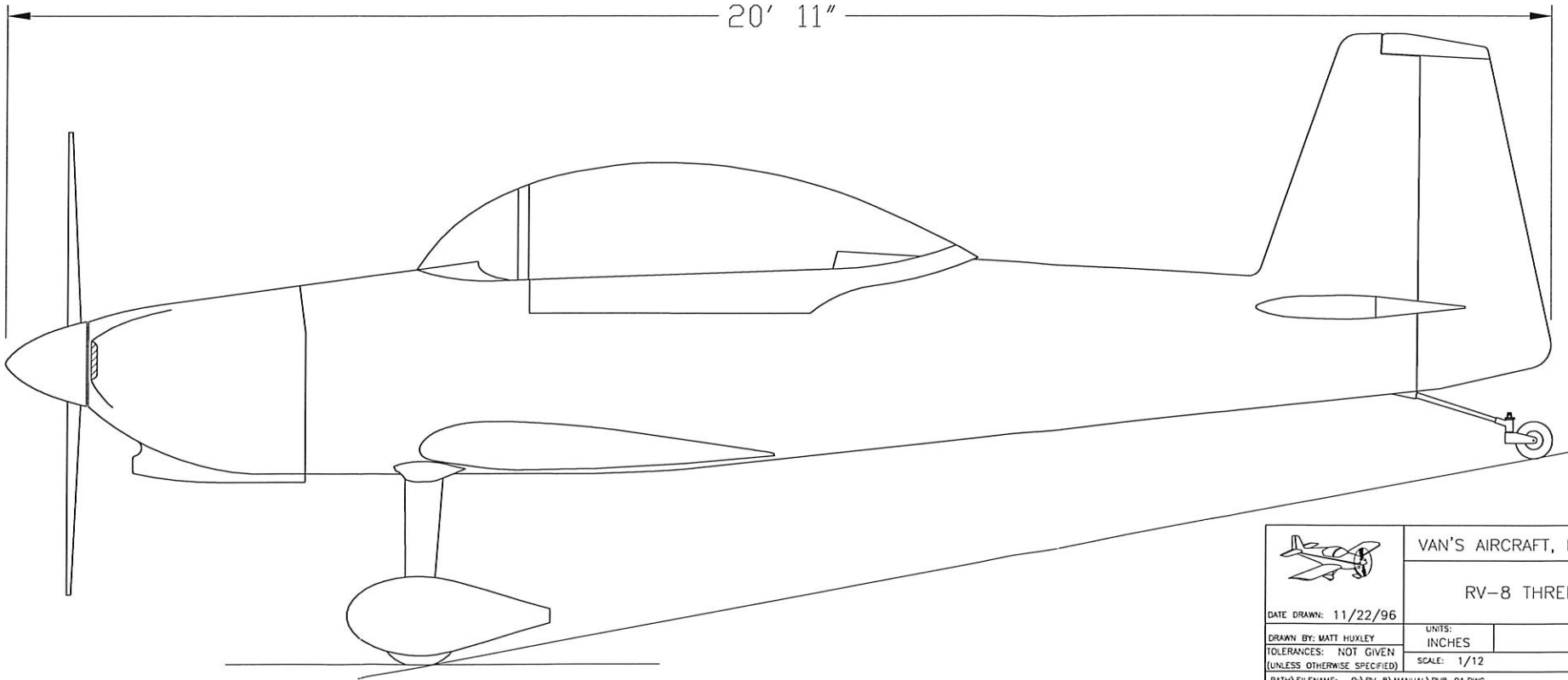


	VAN'S AIRCRAFT, INC. PO BOX 16 NORTH PLAINFIELD, NJ 07064 OR 97133	
	RV-8A THREE VIEW	
DATE DRAWN: 4/3/98	UNITS: INCHES	D-SIZE OR:
DRAWN BY: PHILIP RIVALL TOLERANCES: NOT GIVEN (UNLESS OTHERWISE SPECIFIED)	SCALE: 1/12	DWG 1
PATH/FILENAME: Q:\RV-8\MANUAL\RV8-01A.DWG		

1



20' 11"



VAN'S AIRCRAFT, INC. PG. BOX 1  
NORTH PLAINFIELD, NJ 07064  
OR 9713

RV-8 THREE VIEW

DATE DRAWN: 11/22/96

DRAWN BY: MATT HUXLEY

TOLERANCES: NOT GIVEN

(UNLESS OTHERWISE SPECIFIED)

UNITS:  
INCHES

SCALE: 1/12

SCALE: 1/12

PATH/FILENAME: D:\RV-8\MANUAL\RV8-01.DWG

D-SIZE OR  
DWG