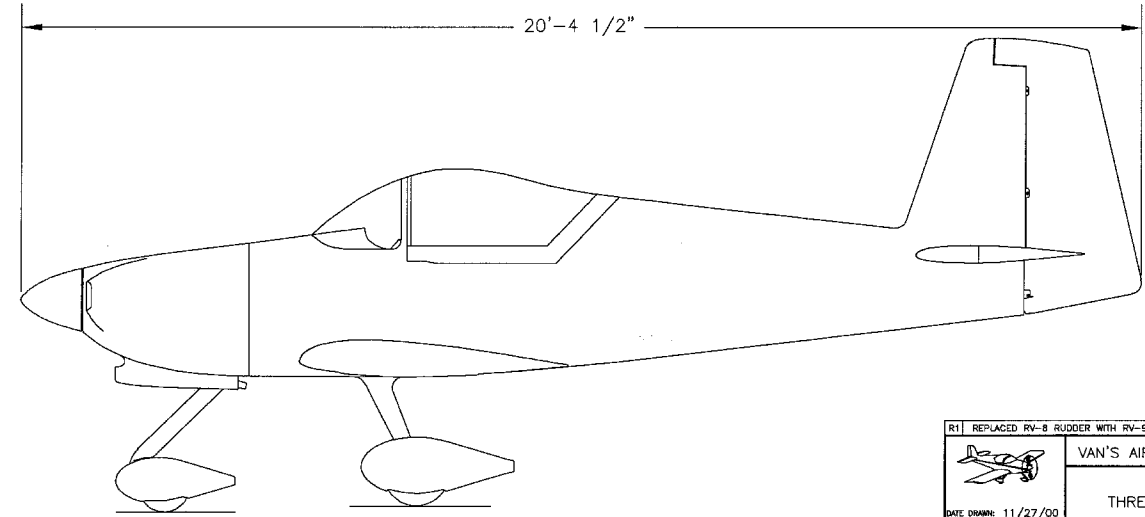
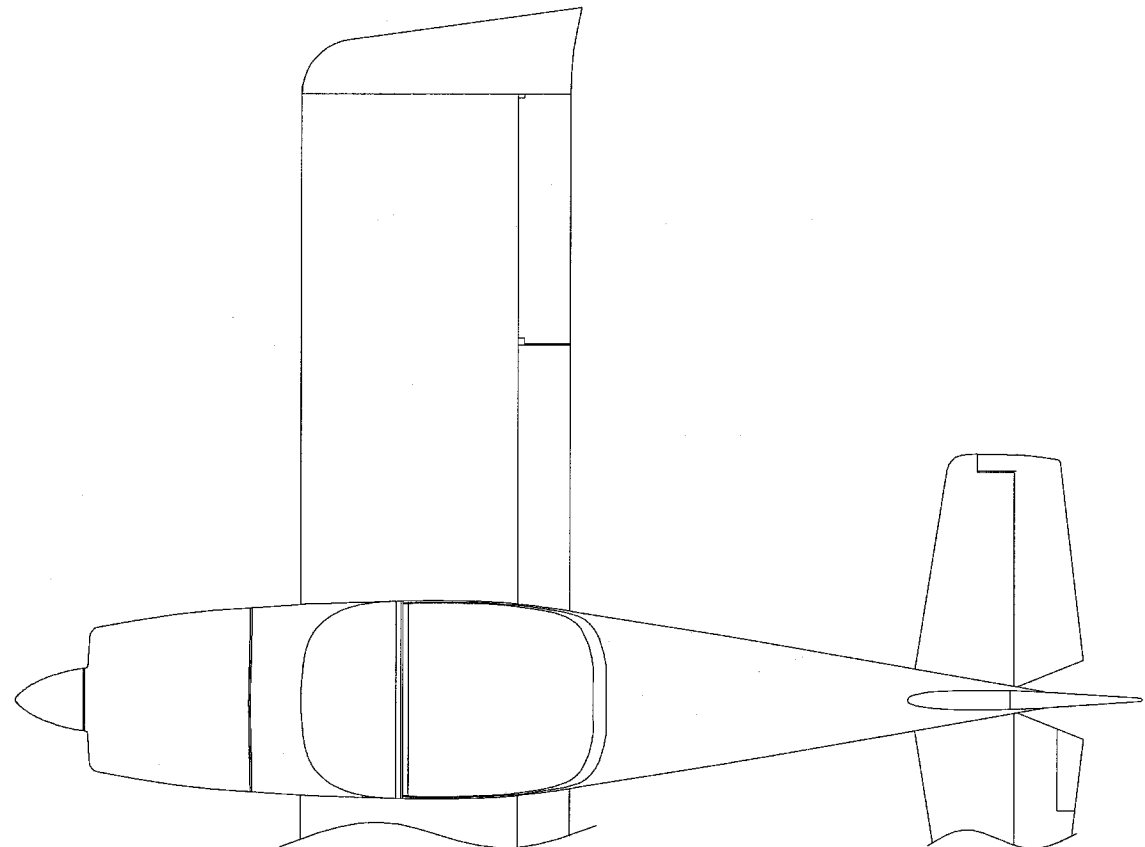
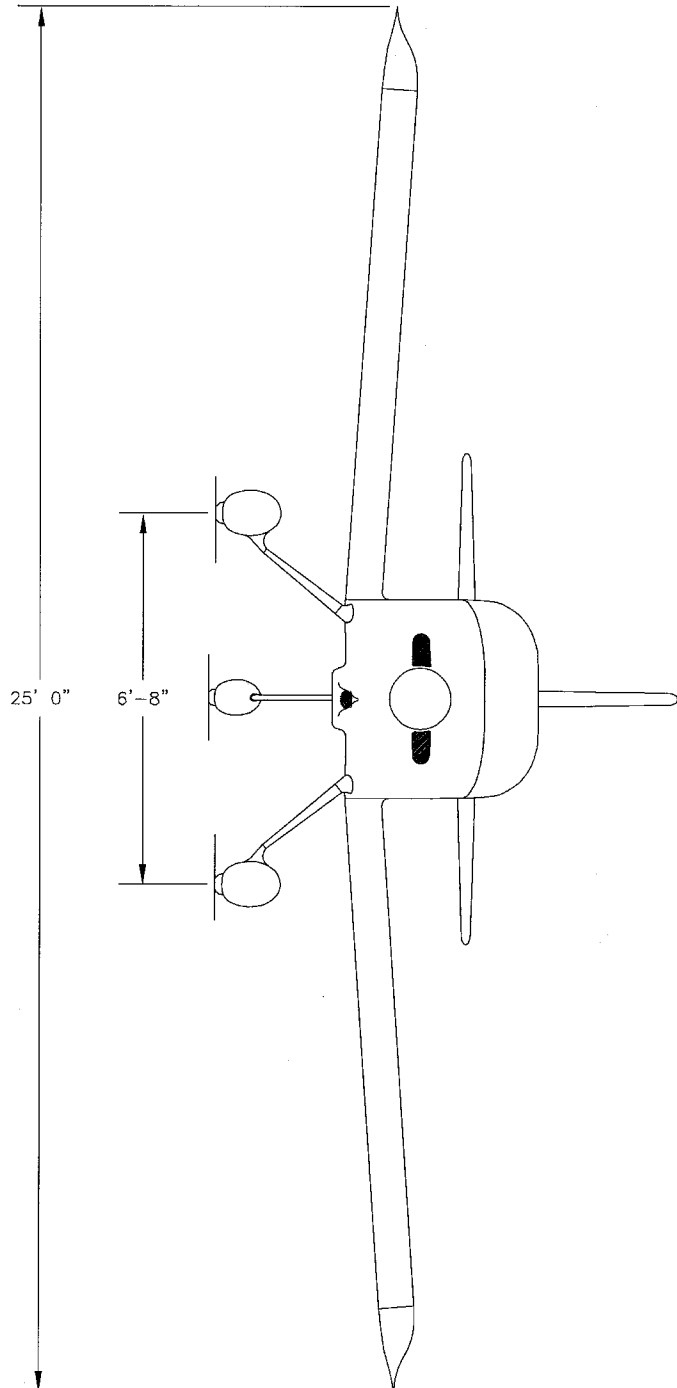



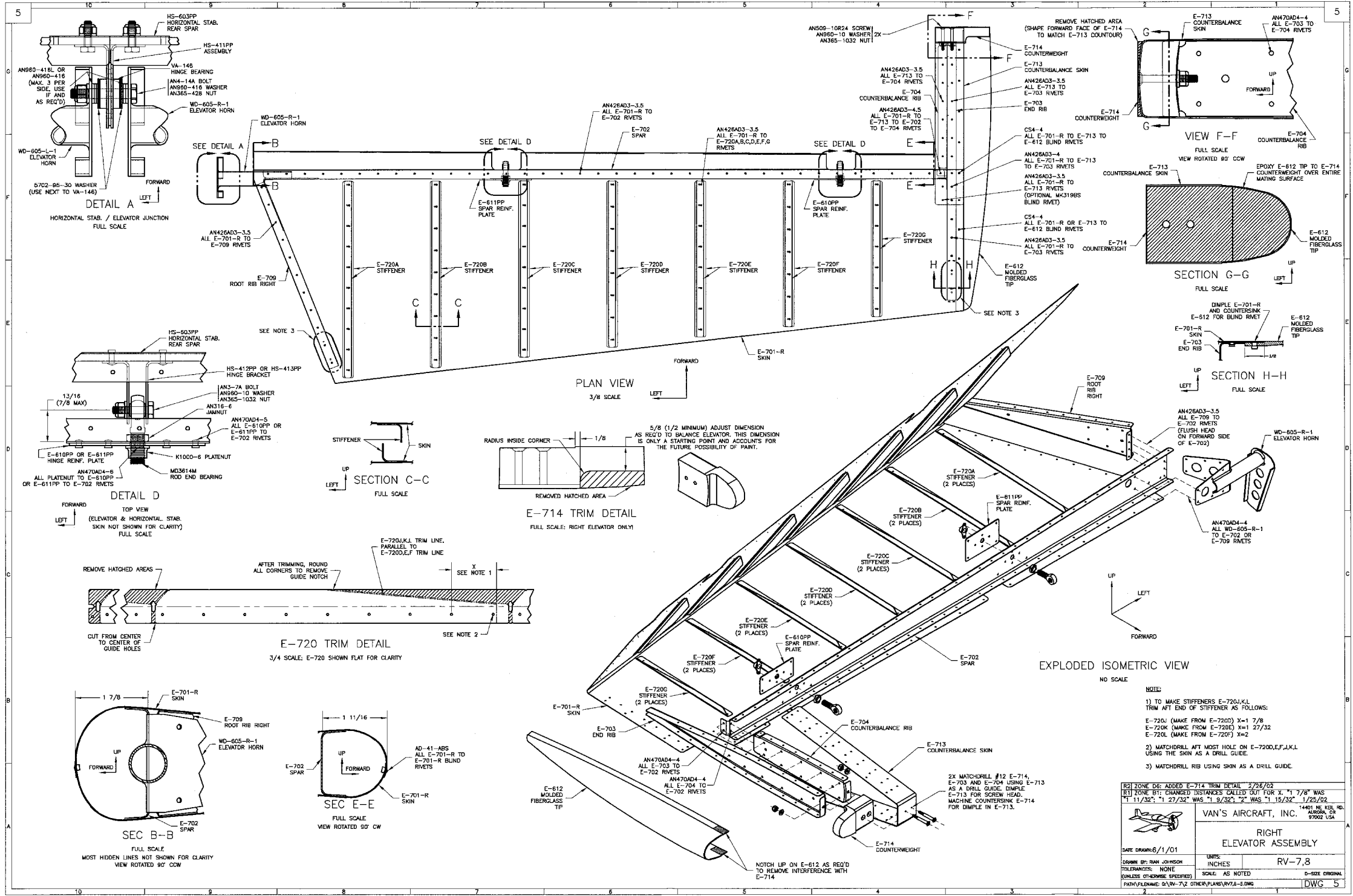
R1 REPLACED RV-8 RUDDER WITH RV-9 RUDDER 5/20/02		14401 NE KELLY RD ALBANY, OR 97002 USA	
VAN'S AIRCRAFT, INC.		RV-7	
THREE VIEW DRAWING		RV-7	
DATE DRAWN 11/27/00	UNITS: INCHES	D-SIZE ORIGINAL	
DESIGN BY: RYAN JOHNSON	SCALE: 1/16	DWG 1	
TOLERANCES: NONE	UNLESS OTHERWISE SPECIFIED	PATH: \PLANES\RV-7\RV-7-01.DWG	

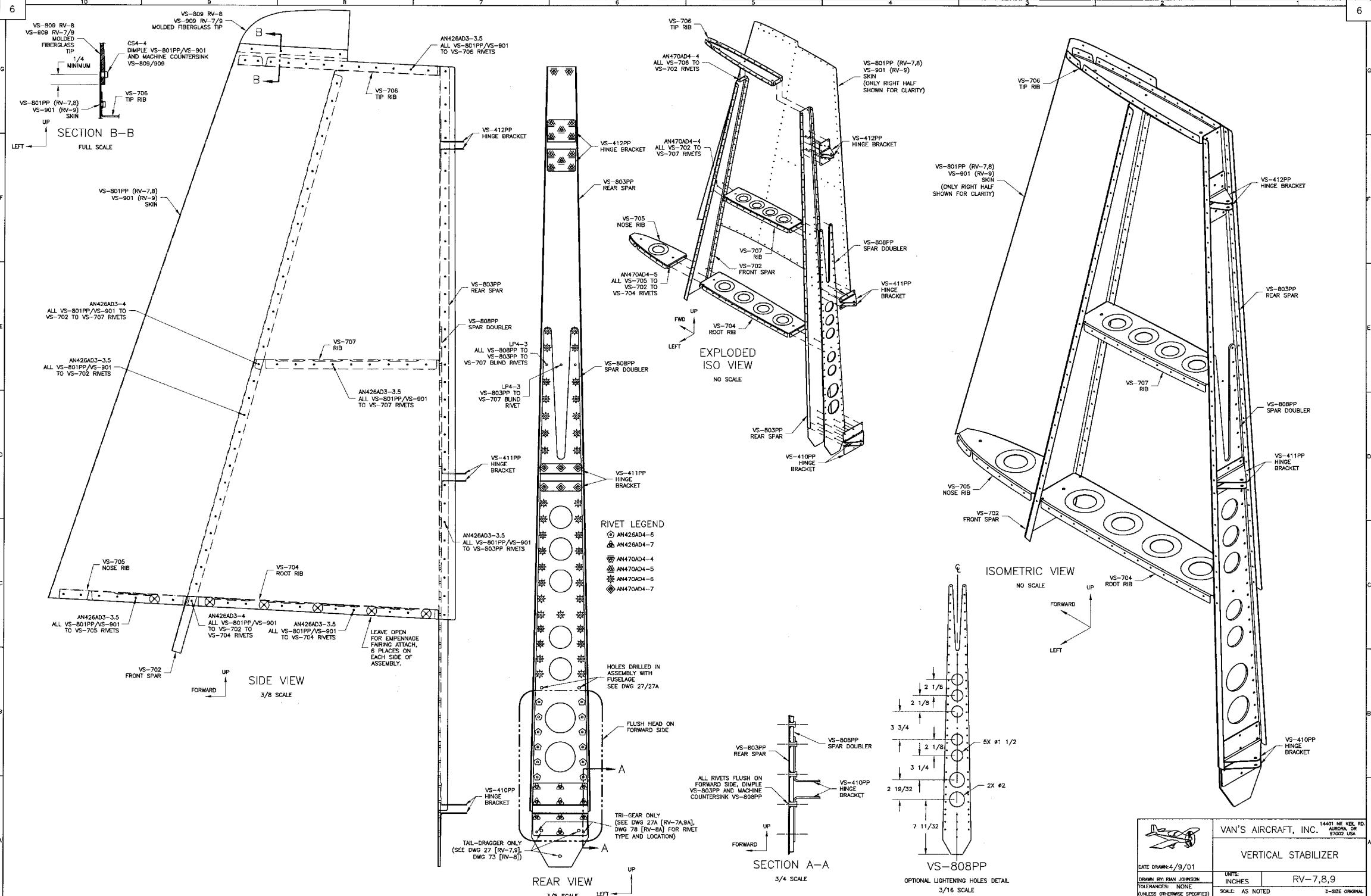
1A

1A



R1 REPLACED RV-8 RUDDER WITH RV-9 RUDDER. 5/20/02		14401 NE KEL RD. ABRAMS, OR 97002 USA	
		VAN'S AIRCRAFT, INC.	
DATE DRAWN: 11/27/00		RV-7A	
DRAWN BY: RAY JOHNSON		THREE VIEW DRAWING	
TOLERANCES: NONE		UNITS: INCHES	RV-7A
(UNLESS OTHERWISE SPECIFIED)		SCALE: 1/14	D-SIZE ORIGINAL
PATH\FILENAME: F:\RV-7\2 OTHER PLANS\RV7-01A.DWG		DWG 1A	

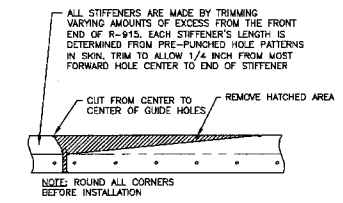
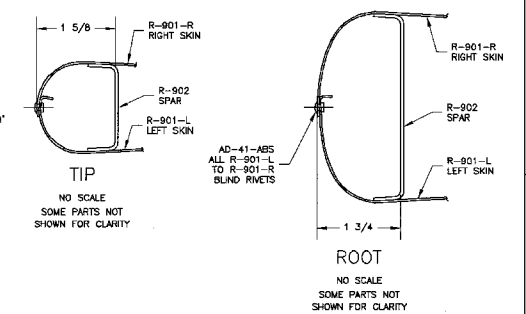
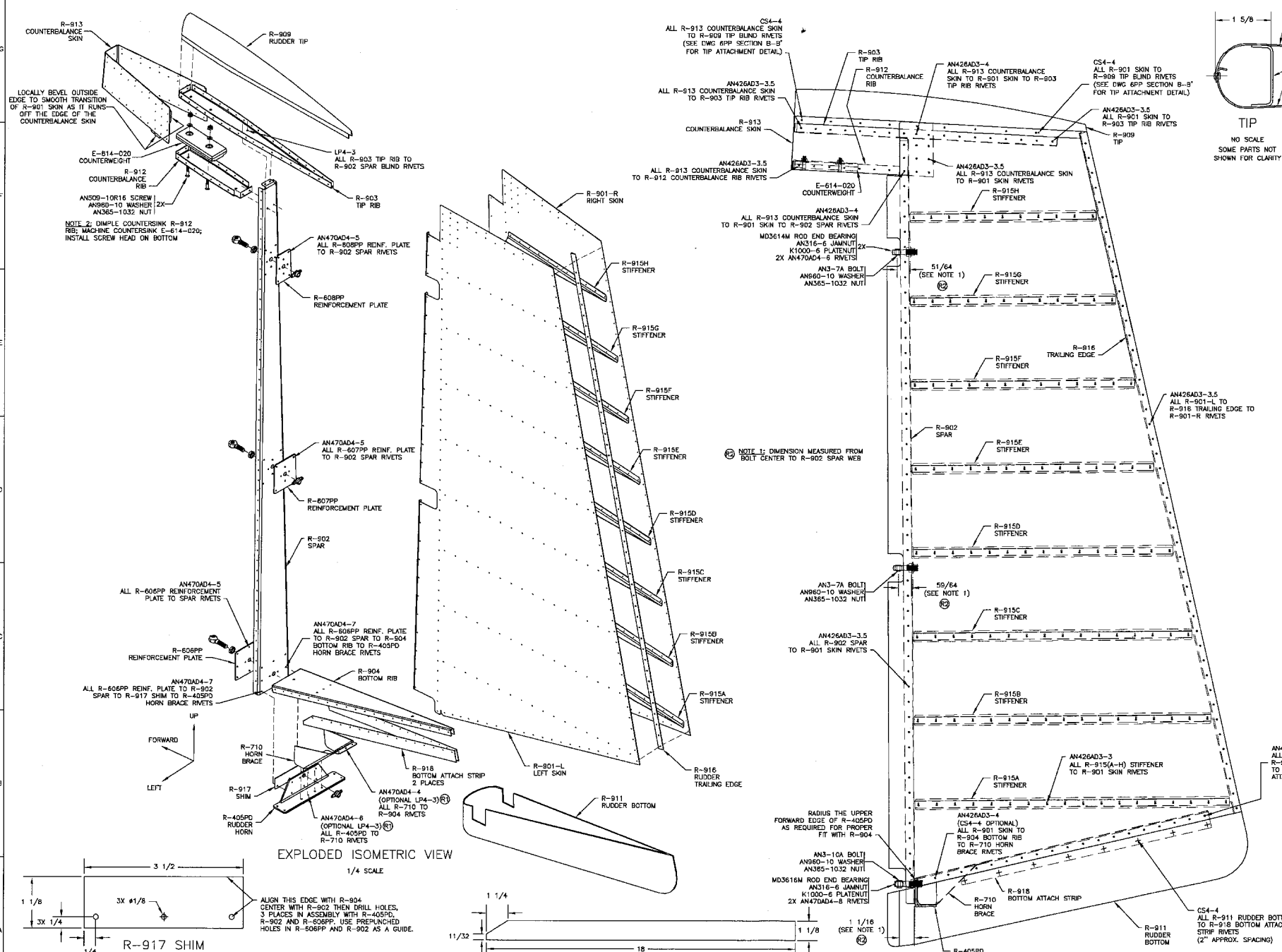




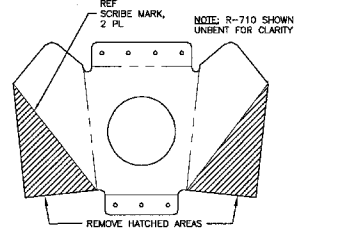
RIVET LEGEND

⊙	AN426AD4-6
⊙	ALL VS-801PP/VIS-901 TO VS-803PP RIVETS
⊙	AN426AD4-7
⊙	AN470AD4-4
⊙	AN470AD4-5
⊙	AN470AD4-6
⊙	AN470AD4-7

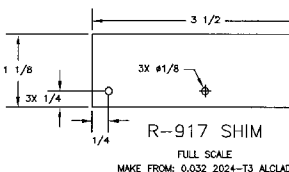
		VAN'S AIRCRAFT, INC. 14401 NE KEL RD ALBORA, OR 97002 USA	
DATE DRAWN: 4/9/01		UNITS: INCHES	
DRAWN BY: RYAN JOHNSON		PART: RV-7,8,9	
TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)		SCALE: AS NOTED	
PART FILE NAME: 01RV-7,8-01 OTHER PLANS: RV7,8,9-6.DWG		D-SIDE ORIGINAL	



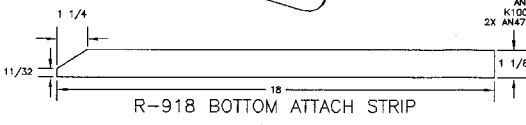
R-915(A-H) STIFFENER TRIM DETAIL
1/2 SCALE



R-710 HORN BRACE TRIM DETAIL
HALF SCALE



R-917 SHIM
FULL SCALE
MAKE FROM: 0.032 2024-T3 ALCLAD



R-918 BOTTOM ATTACH STRIP
3/8 SCALE
MAKE FROM: 0.032 2024-T3 ALCLAD

NOTE 3: ADD 1/4 DIA. DRAINAGE HOLE TO R-911 AT LOW POINT WHEN THE AIRPLANE IS IN A GROUND ATTITUDE.

R5	ZONES A5,C5,F5: ADDED RUDDER ATTACH HARDWARE; ZONE C4: "58/64" WAS "63/64" 2/25/03
R4	ZONES F4,F7: UPDATE DEPICTION OF R-901-L/R; ZONES A4,B8,C2: REPLACED R-410 WITH R-710; ZONES A4,B4,B8,C2,D1: R-710 WAS "R-410"; ZONES F1,F2,G1,G2: REMOVED R-405PD DETAIL 12/26/01
R3	LEFT SIDE VIEW, ZONE F5 AND EXPLODED ISOMETRIC VIEW, 8/17/01 ZONE F8: ADDED DEPICTION OF E-614-020 WHICH WAS INADVERTENTLY DELETED AT REVISION 2. LEFT SIDE VIEW, ZONE E3: ".R-915(A-H)." WAS ".R-915(A-G)."
R2	ADDED DIMENSIONS FOR ROD END BEARING POSITIONS 1/12/01
R1	R-915(A-H) WAS R-915(A-G); ADDED (OPTIONAL LP4-3) TO R-410 AND R-405PD TRIM CALLOUTS. R-913 NOW SHOWN UNDER R-901 IN SIDE VIEW 1/24/00

DATE DRAWN: 10/21/99

UNITS: INCHES

SCALE: NOTED

PO BOX 160 NORTH PLAINS, OR 97133

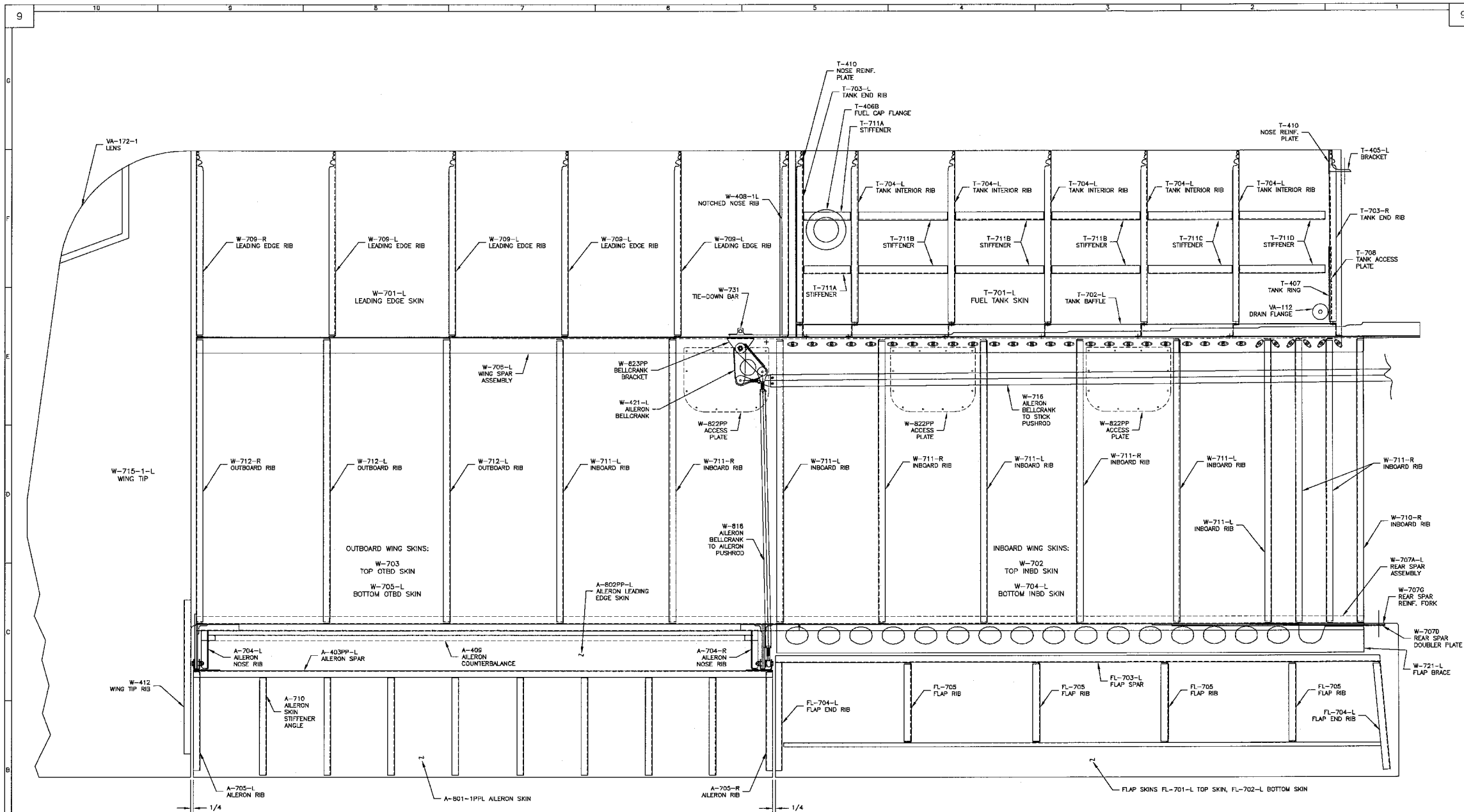
VAN'S AIRCRAFT, INC.


RUDDER

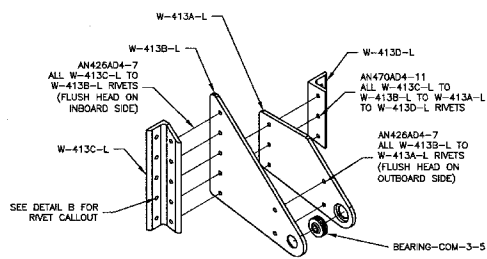
RV-7.9

D-W SIDE ORIGINAL

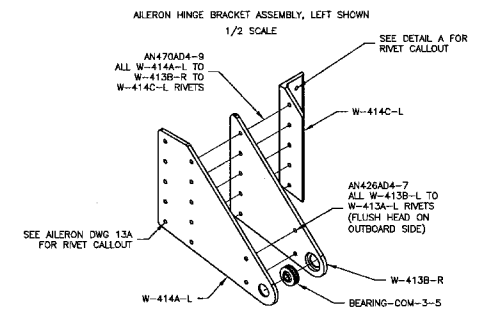
PATH: G:\RV-7\EMPENAGE\RUDDER\RV-7.9_RUDDER.ASY(DWG) DWG 7



	VAN'S AIRCRAFT, INC. 14401 NE 45th Rd. Aurora, OR 97002, USA	
	WING LAYOUT	
DATE DRAWN: 10/19/00	UNITS: INCHES	RV-7
DRAWN BY: RIAN JOHNSON	TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)	SCALE: 1/4" SCALE
PART FILE NAME: Q:\RV-7\2 OTHER PLANS\RV7-08.DWG		DWG 9



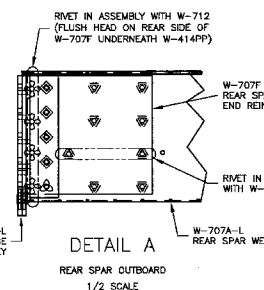
W-413 EXPLODED ISO VIEW



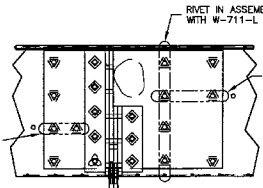
W-414 EXPLODED ISO VIEW

RIVET LEGEND

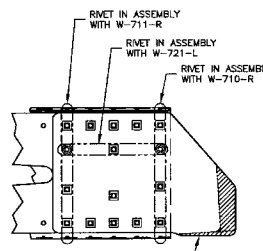
- ▽ AN426A3-3
- ▲ AN426A3-3.5
- ◆ AN426A3-4
- AN426A3-4.5
- AN426A3-5
- ⊕ AN470A4-4
- ⊖ AN470A4-5
- ⊗ AN470A4-6
- ⊙ AN470A4-7
- ⊚ AN470A4-8
- ⊛ AN470A4-9
- ⊜ AN426A4-4
- ⊝ AN426A4-5
- ⊞ AN426A4-6
- ⊟ AN426A4-7
- ⊠ AN426A4-8
- ⊡ AN426A4-9
- ★ CS-4



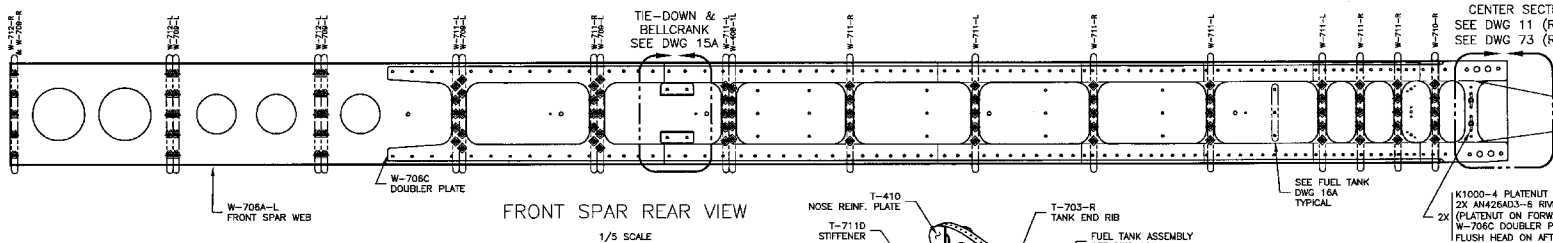
DETAIL A



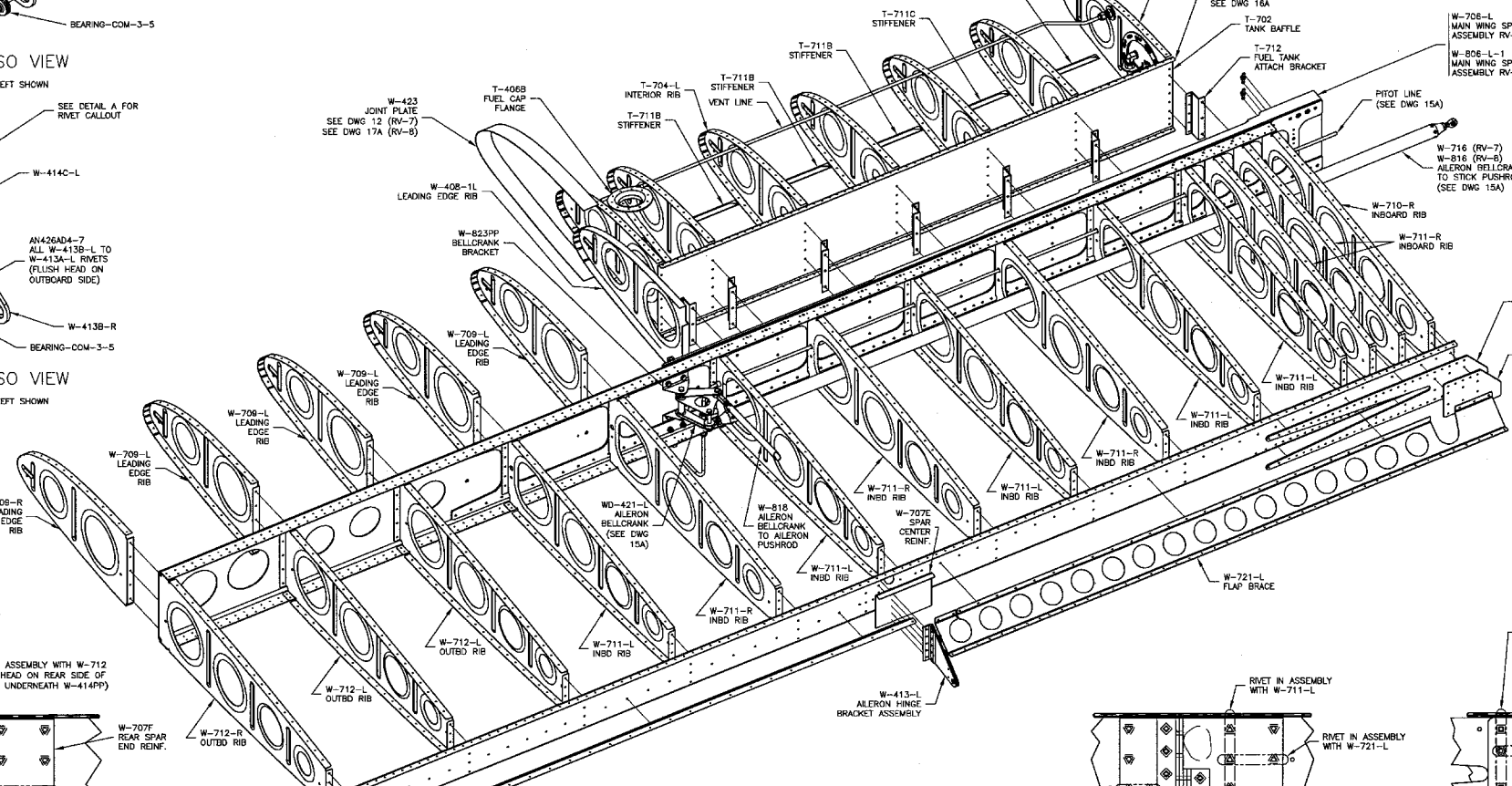
DETAIL B



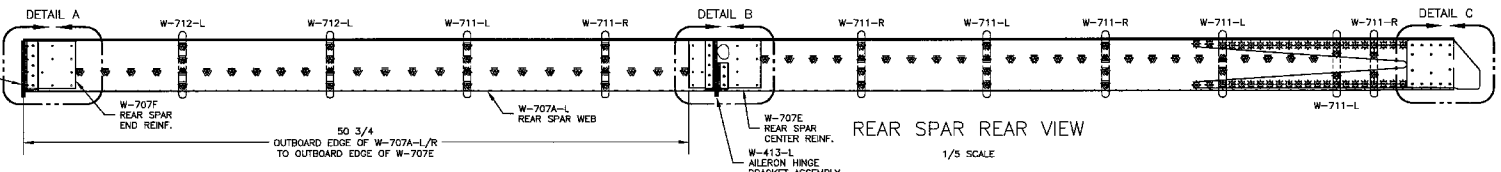
DETAIL C



FRONT SPAR REAR VIEW



EXPLODED ISOMETRIC VIEW



REAR SPAR REAR VIEW

RT1 ZONE F1-G1; ADDED K1000-4 CALLOUT; ZONE F3; DEPICTED 1/27/03

VAN'S AIRCRAFT, INC. 14401 NE KEL RD. ALBANY, OR 97002 USA

EXPLODED ISO VIEW (LEFT WING SHOWN)

DATE DRAWN: 4/26/00

DRAWN BY: RAN JOHNSON

TOLERANCES: NOT GIVEN

UNLESS OTHERWISE SPECIFIED

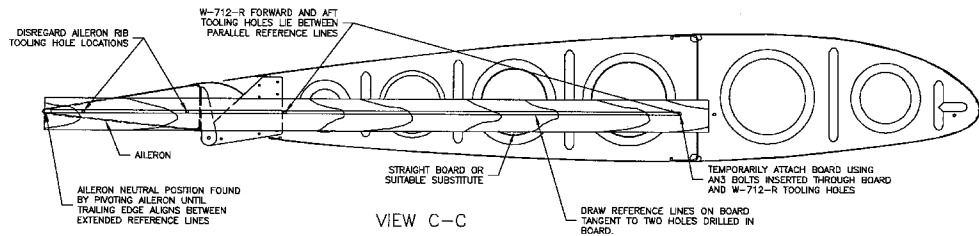
UNIT: INCHES

SCALE: NOTED

1-SEE ORIGINAL

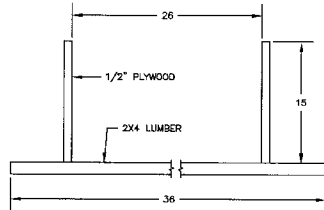
RV-7,8

DWG 10A



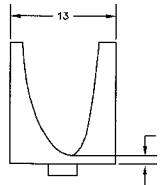
VIEW C-C

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



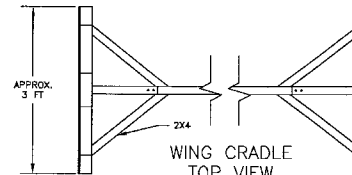
FUEL TANK AND LEADING EDGE ASSEMBLY CRADLE

NO SCALE



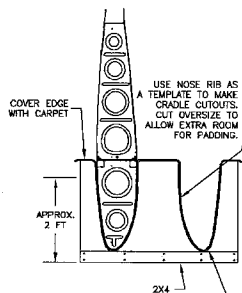
END VIEW

NO SCALE



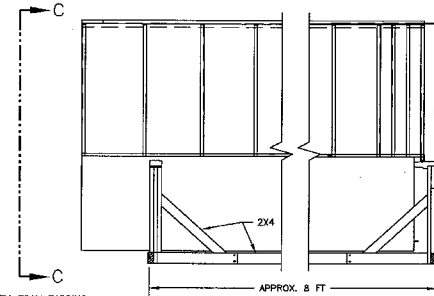
WING CRADLE TOP VIEW

1/12 SCALE



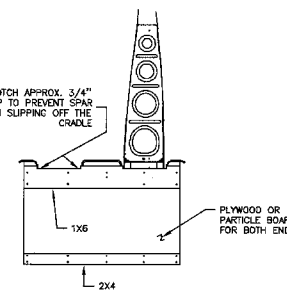
WING CRADLE OTBD END VIEW

1/12 SCALE



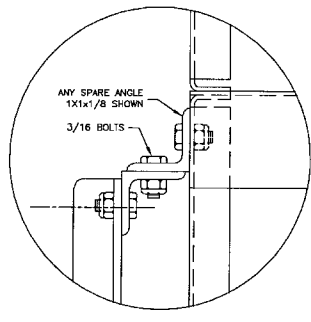
WING CRADLE SIDE VIEW

MAKE BEFORE CONSTRUCTING WINGS
1/12 SCALE



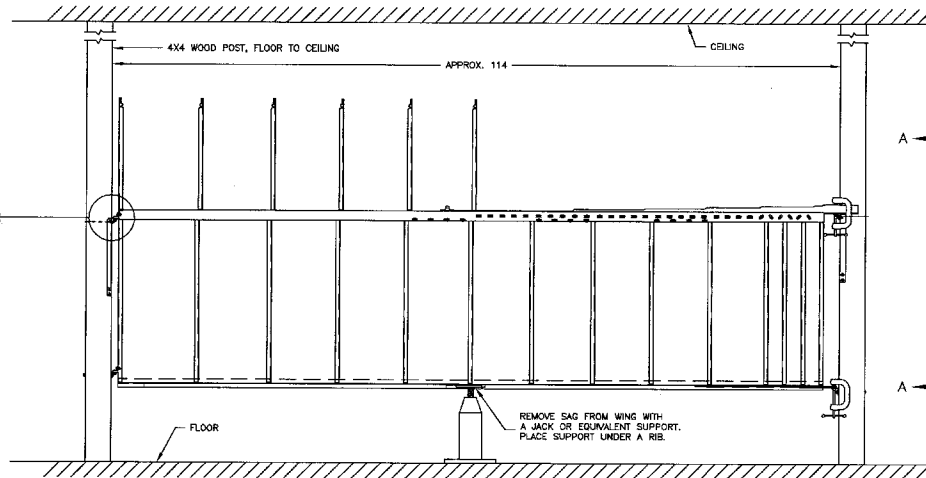
WING CRADLE INBD END VIEW

1/12 SCALE



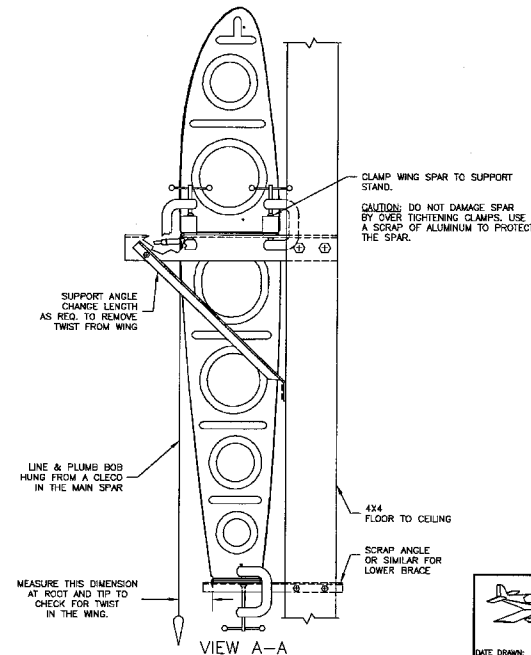
DETAIL B

FULL SCALE



WING STAND DETAIL

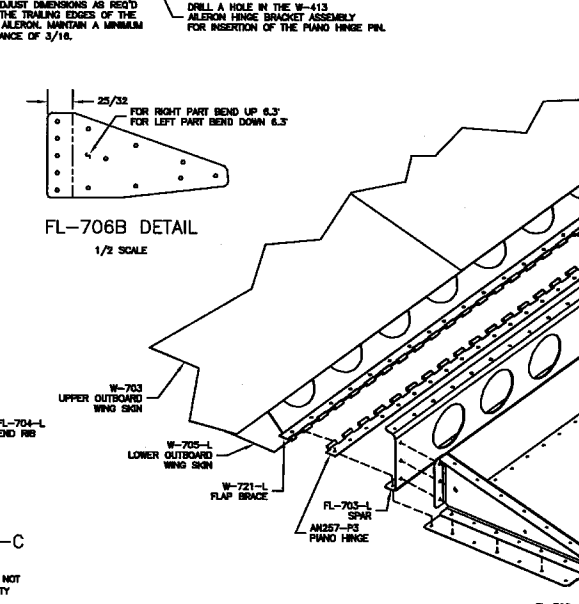
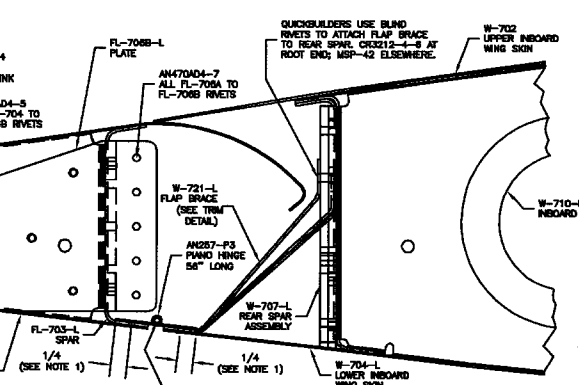
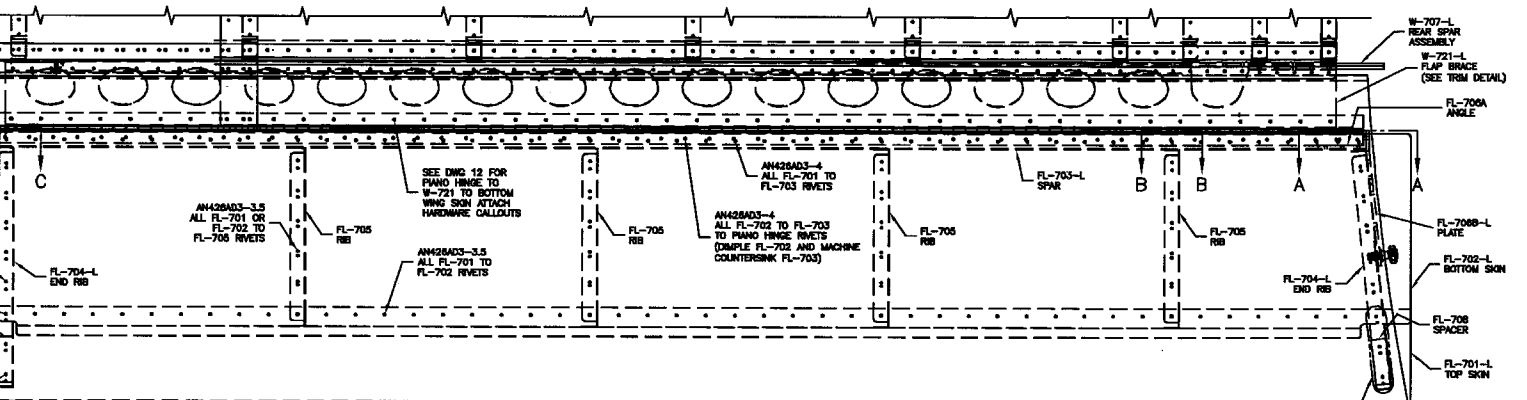
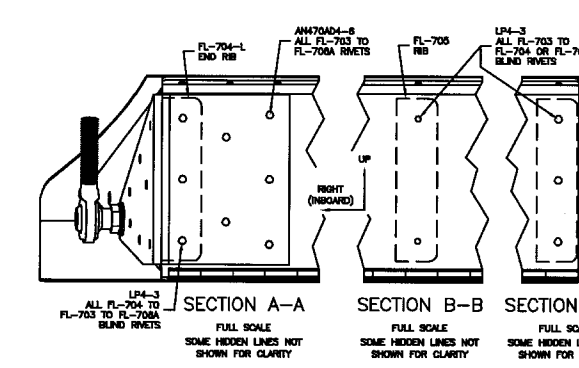
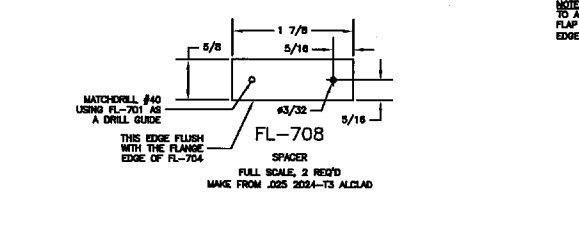
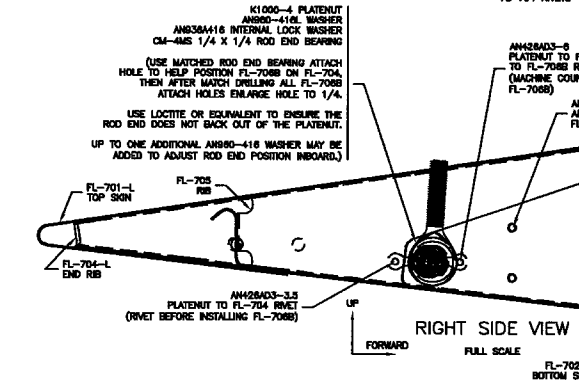
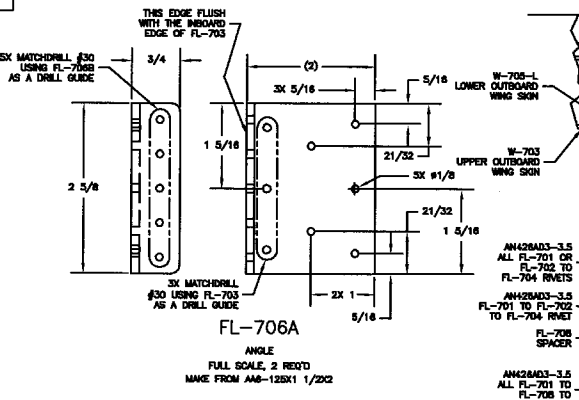
1/12 SCALE



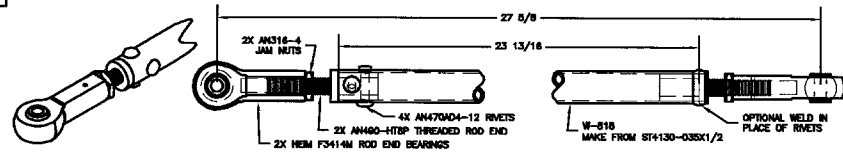
VIEW A-A

SIDE VIEW OF WING STAND
1/6 SCALE

	VAN'S AIRCRAFT, INC. 14401 NE NEL RD ALBURN, OR 97002 USA	
	WING MISCELLANEOUS	
DATE DRAWN: 10/5/00	UNITS: INCHES	RV-7,8
DRAWN BY: PHILIP SMALL	TOLERANCES: NONE	SCALE: AS NOTED
UNLESS OTHERWISE SPECIFIED	0-SIDE ORIGINAL	DWG 12A
PATH/FILENAME: F:\W-712 OTHER\RV7,8-12A.DWG		

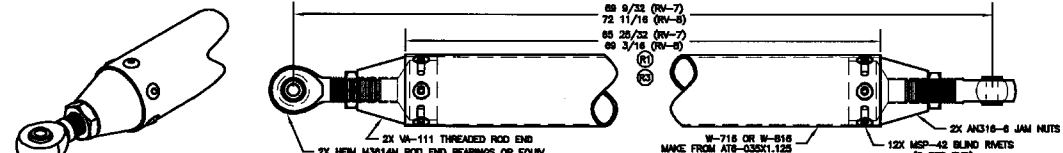


		VAN'S AIRCRAFT, INC. 14401 W. 10TH, RD. ALHAMBRA, CA 91802 USA	
		FLAP ASSEMBLY (LEFT FLAP SHOWN)	
DATE DRAWN: 11/21/00	UNITS: INCHES	RV-7	
DRAWN BY: RAY JOHNSON	SCALE: AS NOTED	D-SIZE ORIGINAL	
FOR APPROVAL: [Signature]	DATE: [Date]	DWG 14A	



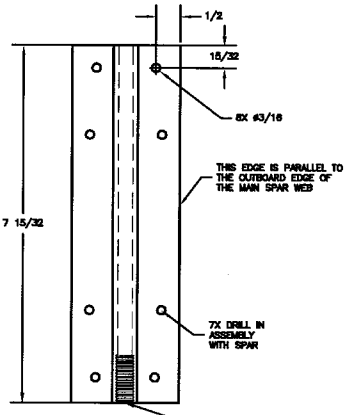
W-818 ASSEMBLY

ALERON BELLCRANK TO ALERON PUSHROD FULL SCALE, 2 REV'D

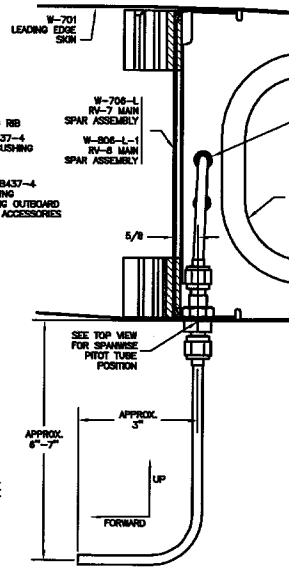
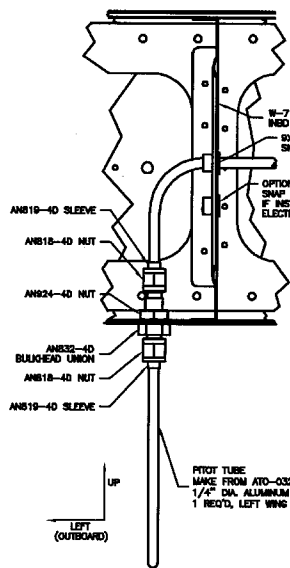
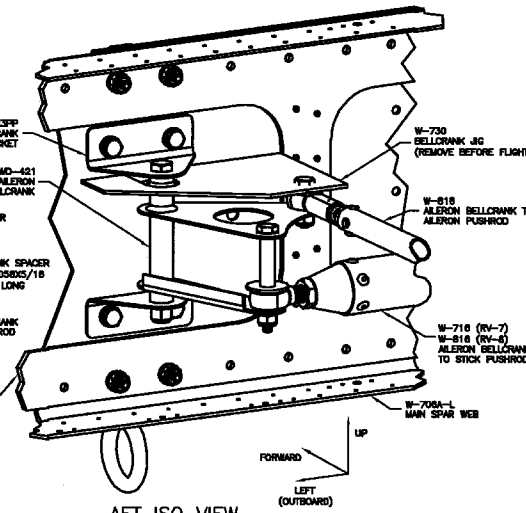
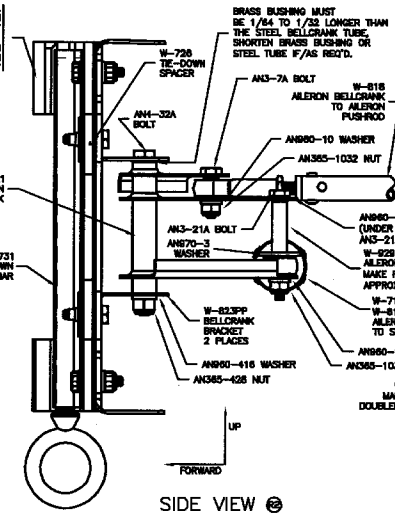
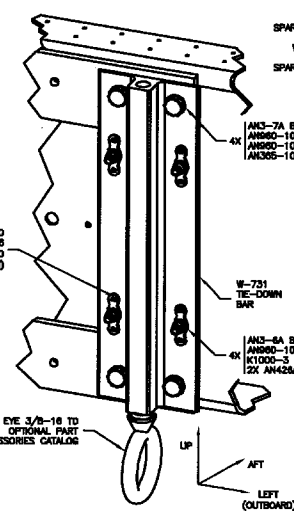
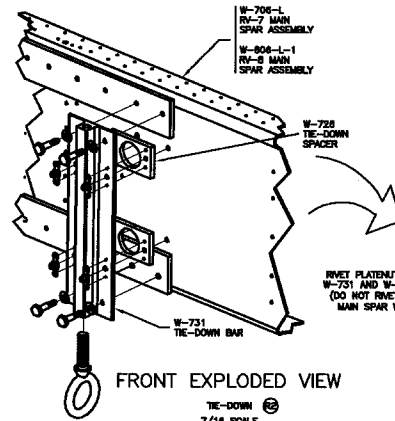


W-716 (RV-7)
W-816 (RV-8)
ASSEMBLY

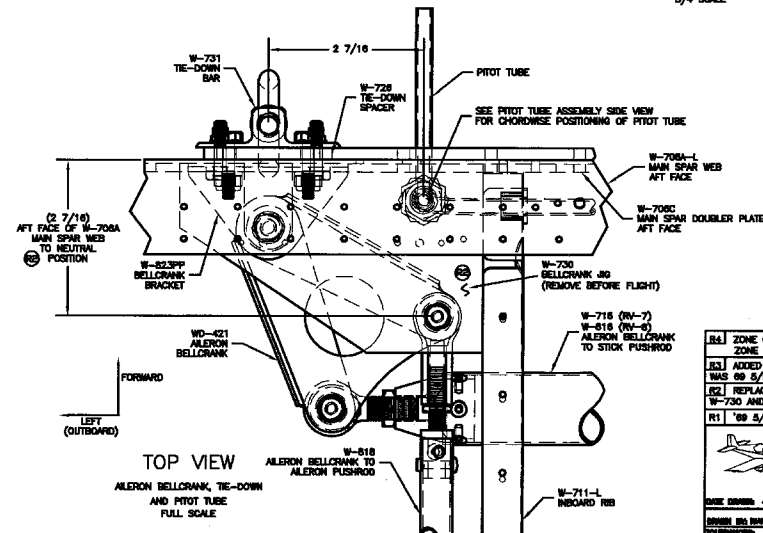
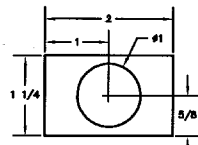
ALERON BELLCRANK TO STICK PUSHROD FULL SCALE, 2 REV'D



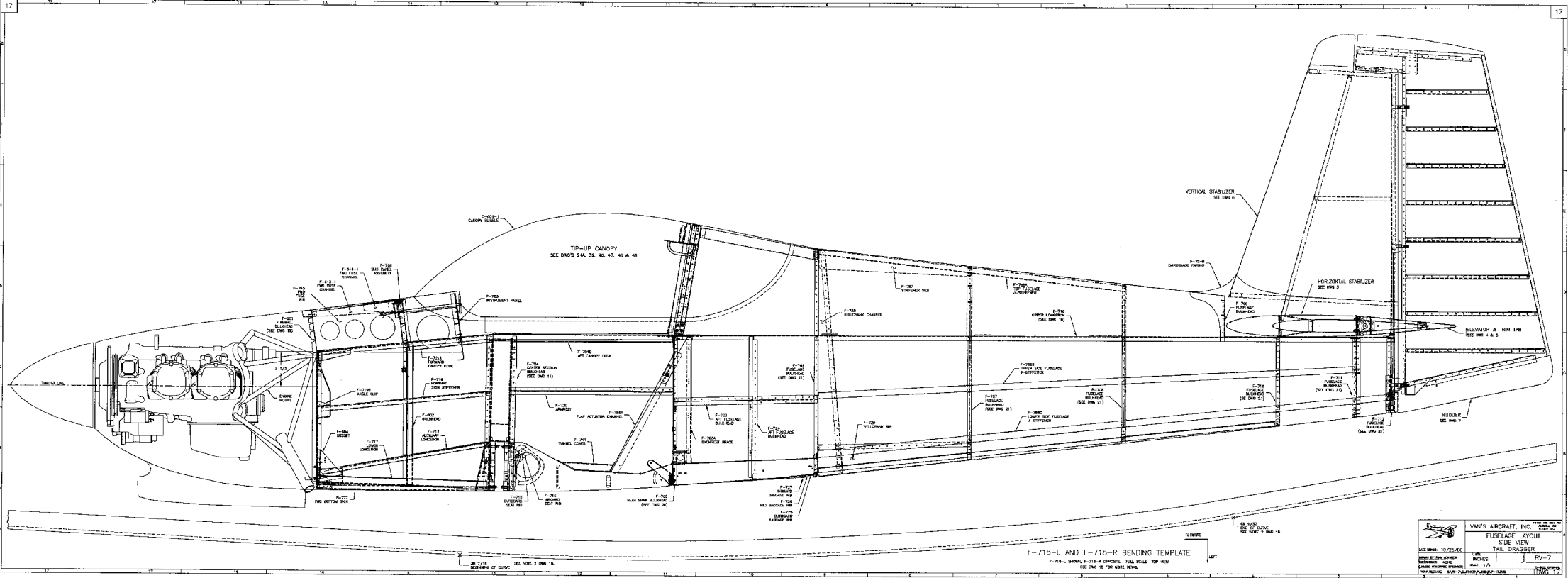
W-731 TIE-DOWN BAR
3/4 SCALE, 2 REV'D
MAKE FROM AEX TIE-DOWN 7.500



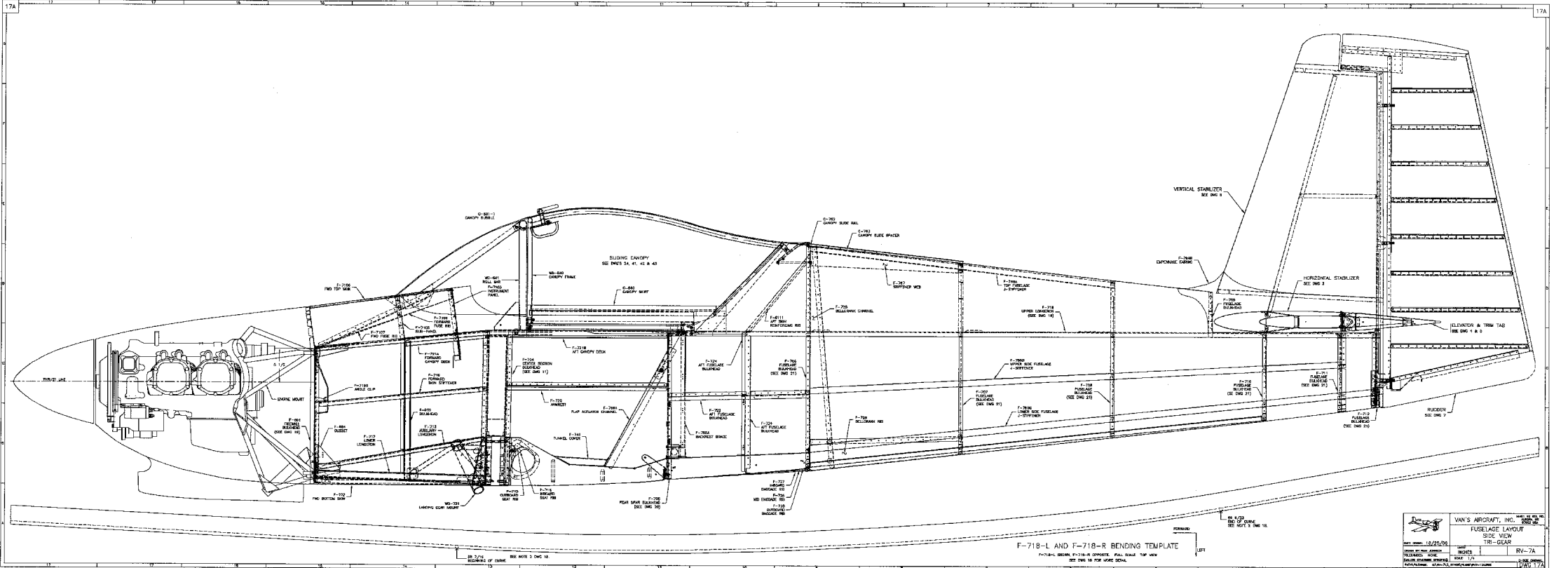
NOTE: WHEN INSTALLING THE ALERON BELLCRANK, BE SURE THAT THERE IS NO INTERFERENCE BETWEEN THE PITOT AND THE BELLCRANK.



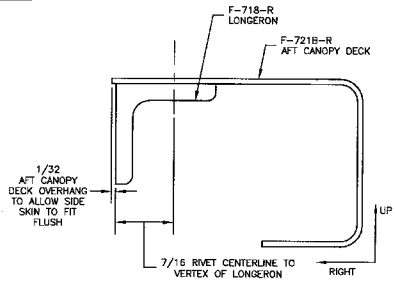
[14] ZONE C7: ADDED "OPTIONAL WELD IN PLACE OF RIVETS". ZONE G3: R3 WAS R2. 10/16/03	
[15] ADDED CALLOUTS AND MAKE FROM DIMENSIONS FOR W-716; 08 3/16 WAS 08 5/8; ADDED CALLOUT FOR RV-7 SPAR. 3/30/01	
[21] REPLACED W-422 AND W-725 WITH W-731; REVERSED DEPICTION OF W-726 AND CORRESPONDING REF. DIMENSION. 12/9/00	
R1 '08 5/8" WAS 08 3/8" 10/9/00	
VAN'S AIRCRAFT, INC. 14401 NE 15th St. VAN, WA 98040 ALERON BELLCRANK TIE-DOWN, PITOT TUBE (LEFT WING SHOWN) DATE: 4/21/00 DRAWN BY: [Name] CHECKED BY: [Name] INCHES: [] REV: 7,8 DESIGNED BY: [Name] NOTED BY: [Name] SOLID MODELED BY: [Name] FILED IN: [] DWG: 15A	



VAN'S AIRCRAFT, INC. FUSELAGE LAYOUT SIDE VIEW TAIL DRAGGER	
DATE: 12/22/00 DRAWN BY: JMM CHECKED BY: JMM	TITLE: RV-7 PART: VV PART NUMBER: 100-100000000-1000

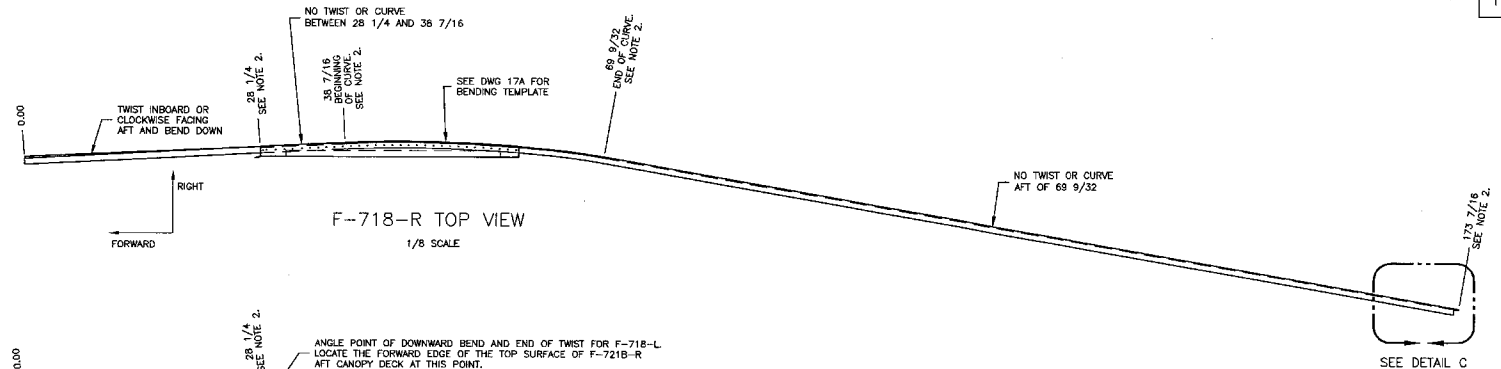


VAN'S AIRCRAFT, INC.	
FUSELAGE LAYOUT	
SIDE VIEW	
TRI-GEAR	
DATE: 10/28/04	REV: 1
DESIGNED BY: [Name]	CHKD BY: [Name]
DRAWN BY: [Name]	APP'D BY: [Name]
SCALE: 1/4" = 1'-0"	PROJ: [Name]
PROJECT: [Name]	DWG NO: 17A

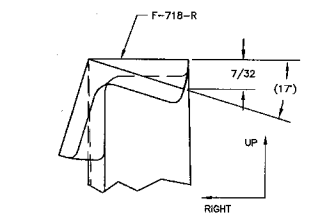


SECTION B-B
2X FULL SCALE

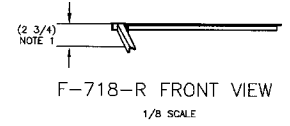
NOTES:
1. WITH THE TWIST IN PLACE, THIS IS THE VERTICAL DISTANCE FROM THE VERTEX OF THE END OF THE LONGERON TO THE VERTEX OF THE LONGERON ALONG ITS FLAT PORTION.
2. LENGTHWISE DIMENSIONS REPRESENT DISTANCES MEASURED ALONG THE LENGTH OF THE ANGLE BEZEL BENDING.



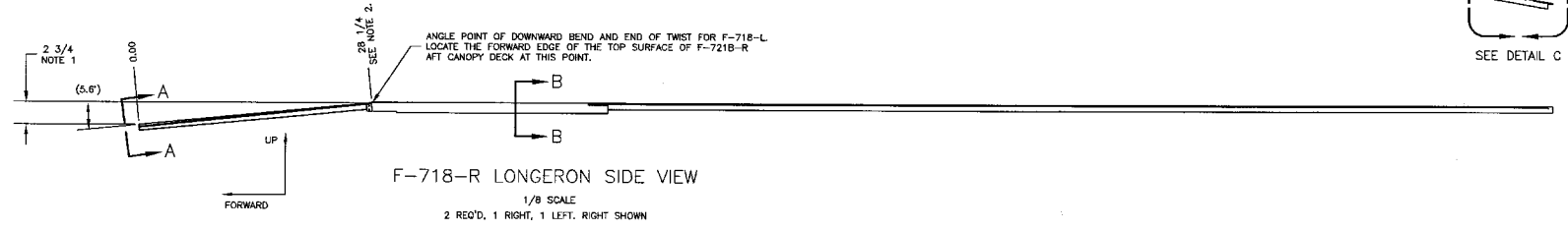
F-718-R TOP VIEW
1/8 SCALE



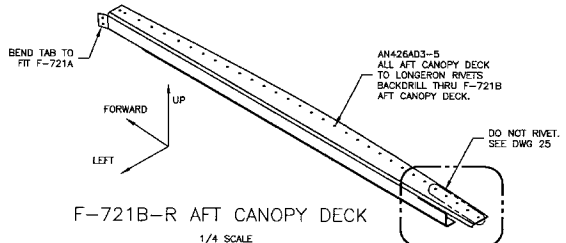
VIEW A-A
2X FULL SCALE
AFT CANOPY DECK NOT SHOWN



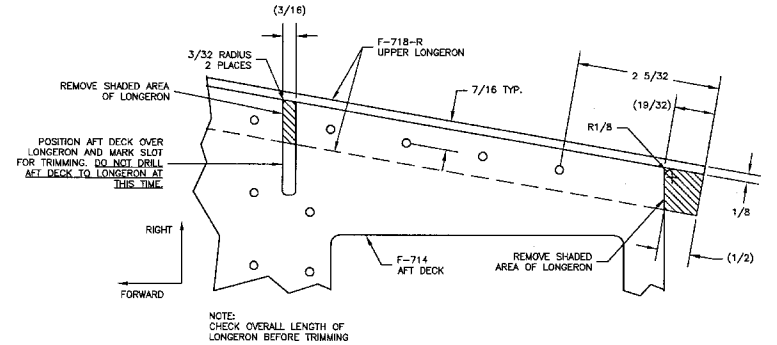
F-718-R FRONT VIEW
1/8 SCALE



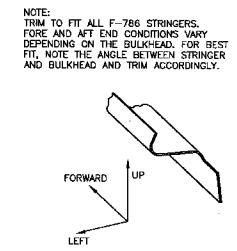
F-718-R LONGERON SIDE VIEW
1/8 SCALE
2 REQ'D, 1 RIGHT, 1 LEFT, RIGHT SHOWN



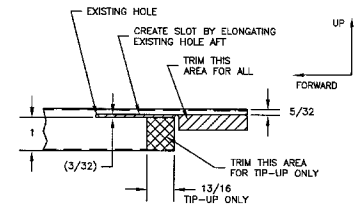
F-721B-R AFT CANOPY DECK
1/4 SCALE
(F-721B-R FOR SLIDING CANOPY SHOWN)



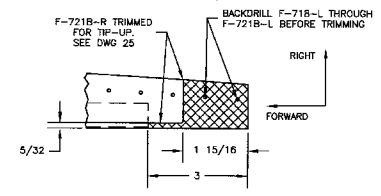
DETAIL C
FULL SCALE



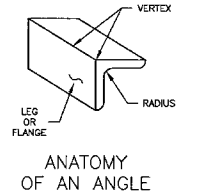
F-786B-R UPPER FUSE J STIFFENER
AFT END TRIM
AT F-711B BULKHEAD
FULL SCALE



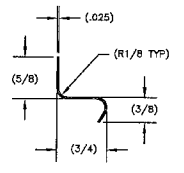
DETAIL D
SIDE VIEW, 1/2 SCALE
F-721B MODIFICATION FOR SLIDING AND TIP-UP CANOPIES
SEE DWG 25



DETAIL E
TOP VIEW, 1/2 SCALE
F-721B MODIFICATION FOR TIP-UP CANOPY ONLY
SEE DWG 25

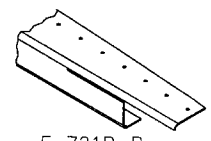


ANATOMY OF AN ANGLE

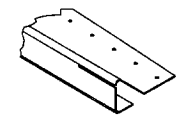


F-786A,B,&C FUSE J STIFFENERS
2 EACH REQ'D., LEFT AND RIGHT. MAKE FROM: J-CHANNEL X 8"
FULL SCALE

TOP F-786A-L & F-786A-R, X = 50 3/16
UPPER F-786B-L & F-786B-R, X = 88 7/16
LOWER F-786C-L & F-786C-R, X = 94 5/16

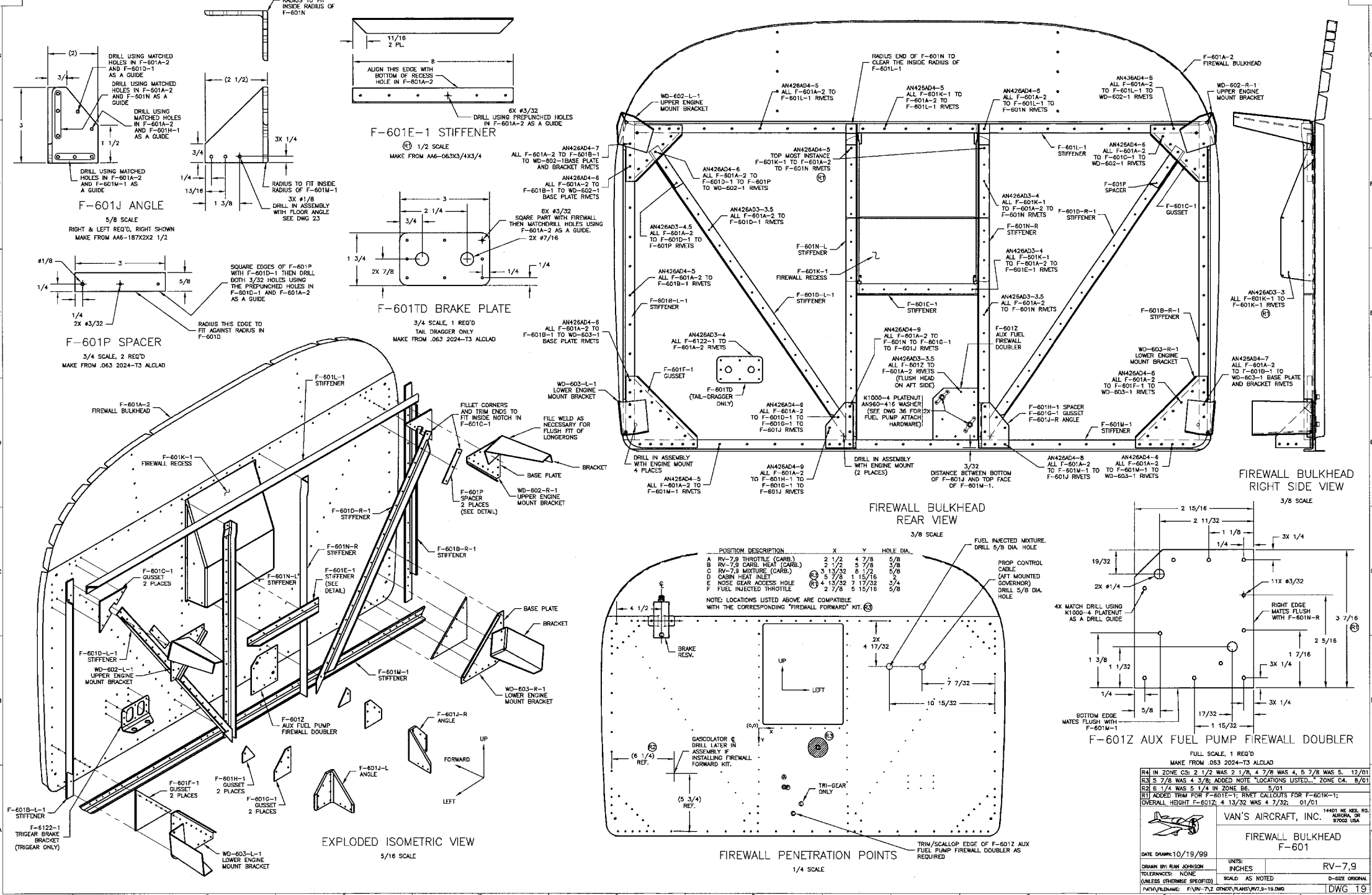


F-721B-R
COMPLETED MODIFICATION
FOR SLIDING CANOPY



F-721B-R
COMPLETED MODIFICATION
FOR TIP-UP CANOPY

R1: DETAIL D DIMENSION "13/16" WAS "1 15/32"; DETAIL E DIMENSION "5/32" WAS "3/16"; DETAIL E DIMENSION "3" WAS "3 21/32"; IN TITLE BLOCK: "RV-7,9" WAS "RV-9"		4/10/01
VAN'S AIRCRAFT, INC. 14401 NE WEL RD. AURORA, OR 97002 USA		
F-718 LONGERONS		
DATE DRAWN: 8/1/00	UNITS: INCHES	RV-7,9
DRAWN BY: PHILLIP RIVALL	TOLERANCES: NONE GIVEN UNLESS OTHERWISE SPECIFIED	D-SIZE ORIGINAL
SCALE: AS NOTED		
PATH: FILENAME: C:\N9712\OTHER PLANS\RV7-9-18.DWG		1/1/00 1 R



DATE DRAWN: 10/19/99

DESIGN BY: RAY JOHNSON
 TOLERANCES: NONE
 (UNLESS OTHERWISE SPECIFIED)

UNITS: INCHES
 SCALE: AS NOTED

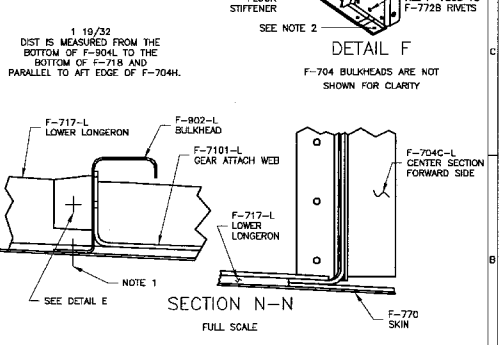
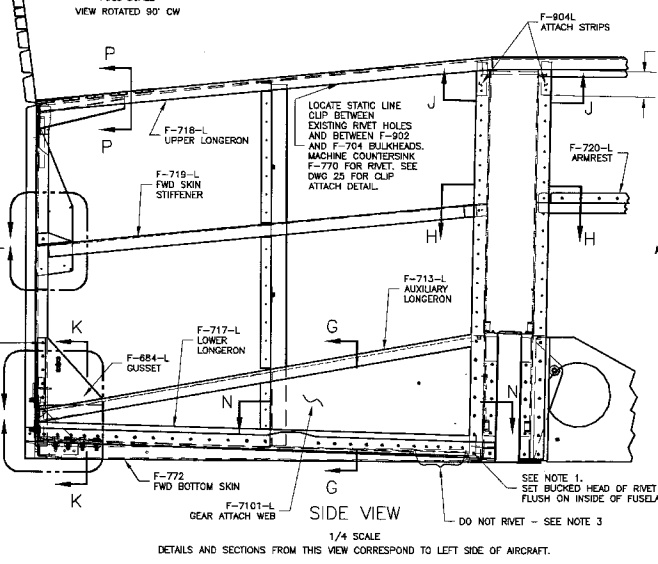
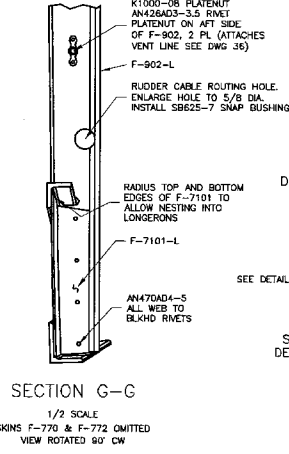
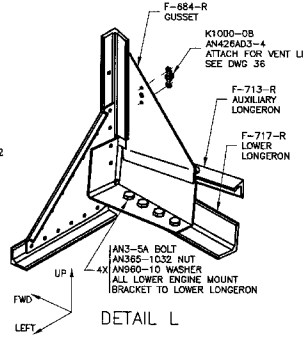
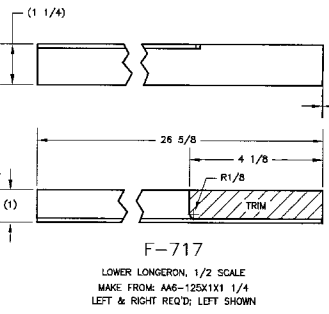
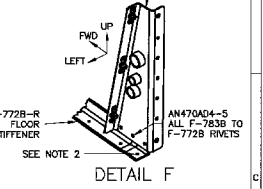
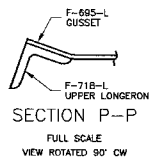
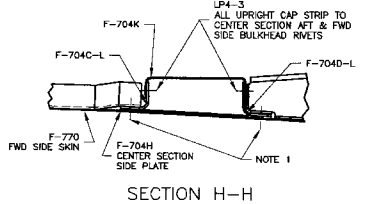
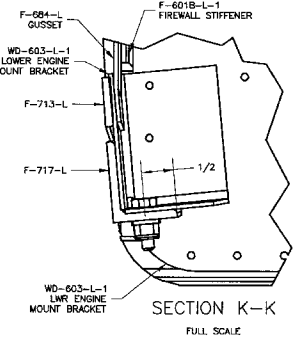
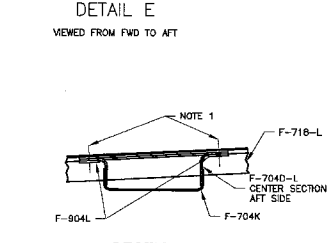
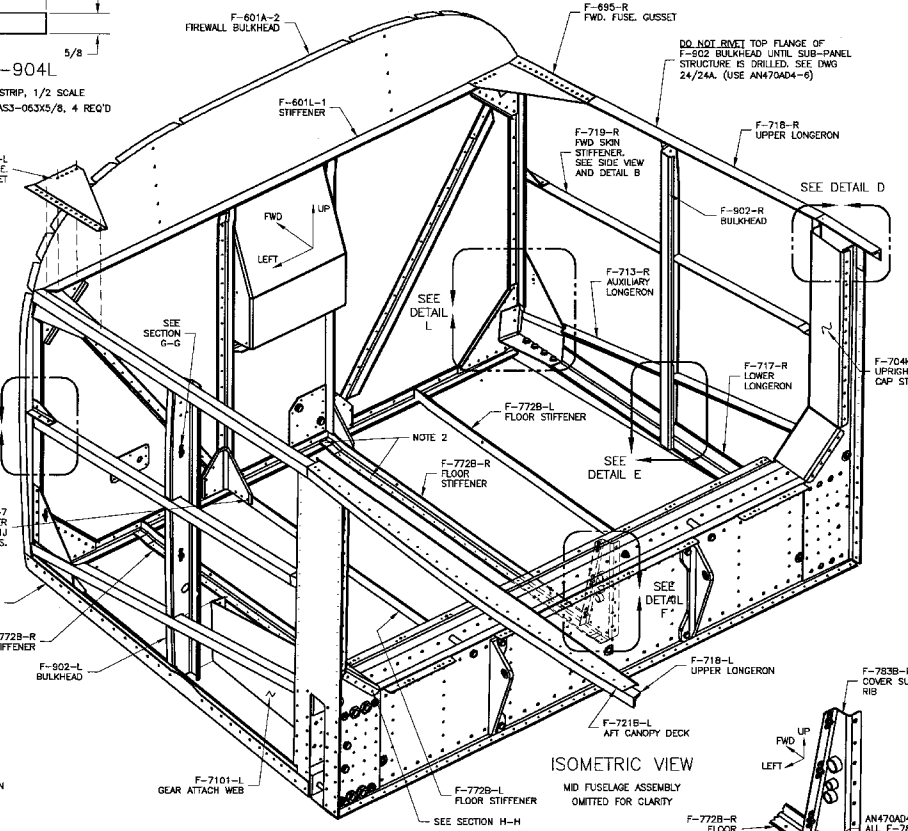
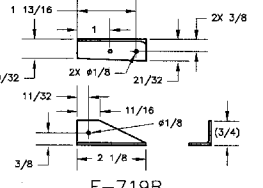
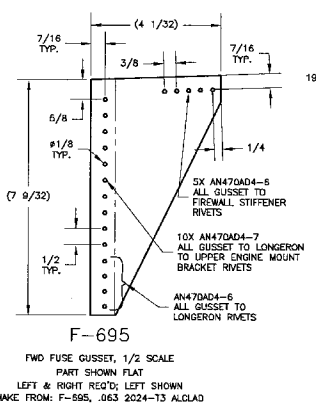
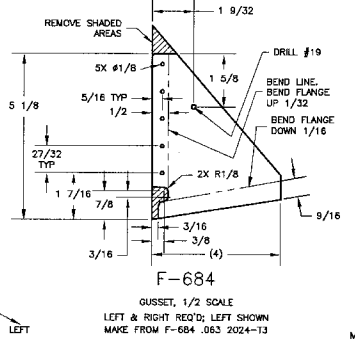
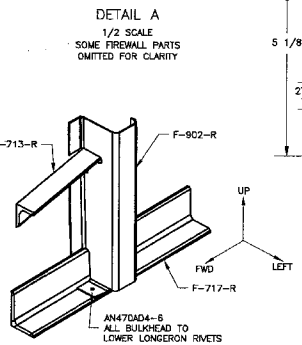
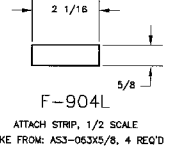
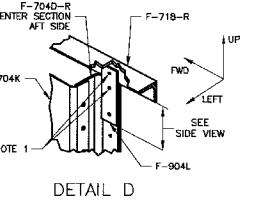
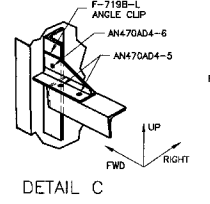
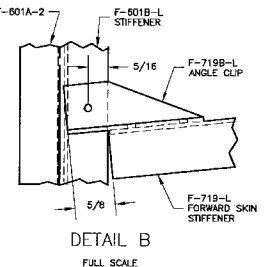
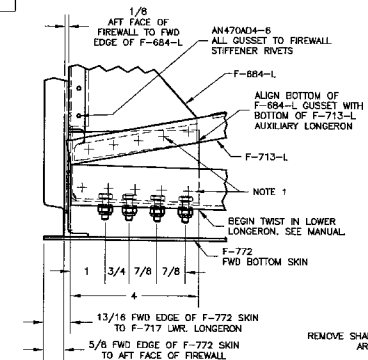
RV-7.9
 O-SIZE ORIGINAL

14401 NE KEL. RD.
 AURORA, OR
 97002 USA

VAN'S AIRCRAFT, INC.

FIREWALL BULKHEAD
 F-601

DWG 19



NOTES:

- SEE SKIN F-770 DRAWING 28 FOR FASTENER.
- SEE SKIN F-772 DRAWING 28 FOR FASTENER.
- SEE DRAWING 34 TAILDRAGGER, 34A TRIGEAR FOR BOLTS.

R2 ZONE A8 F-717 "TRIM" WAS "TRIM FOR TRI-GEAR ONLY". 4/1/02
 R1 ZONE A3 - REVISED CALL-OUT "DO NOT RIVET...". 9/27/01

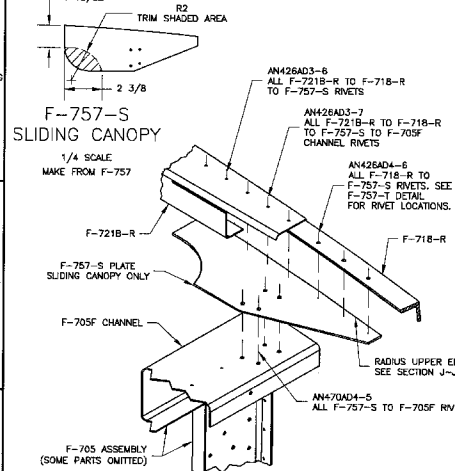
DATE DRAWN: 12/01/00
 DRAWN BY: RIAN JOHNSON
 TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)
 PATH/FILENAME: Q:\VW-72 OTHER PLANS\RV7-23.DWG

VAN'S AIRCRAFT, INC.
 14401 NE KEL RD.
 ASTORIA, OR
 97102 USA

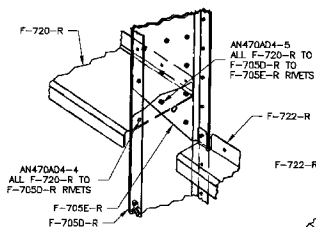
FORWARD FUSELAGE

UNITS: INCHES	RV-7
SCALE: AS NOTED	D-SIZE ORIGINAL

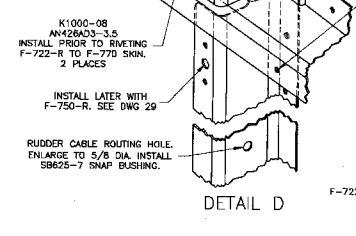
DWG 23



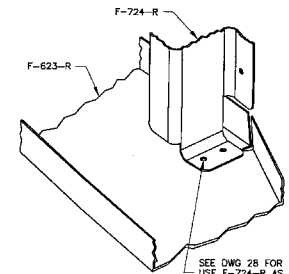
DETAIL A
CONFIGURED FOR SLIDING CANOPY
OMIT F-705F ANGLE



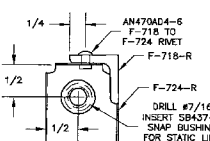
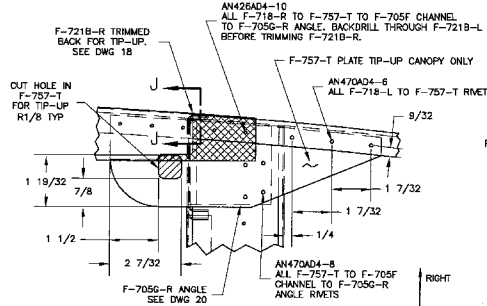
DETAIL C



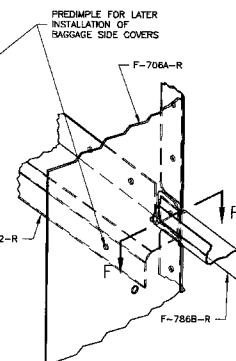
DETAIL D



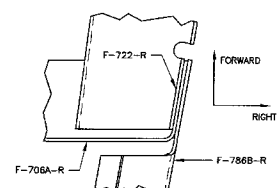
DETAIL G
SEE DWG 28 FOR RIVETS. USE F-724-R AS VERTICAL INDEX FOR F-623-R.



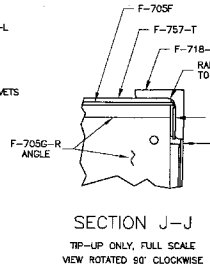
DETAIL K
FULL SCALE
REAR VIEW



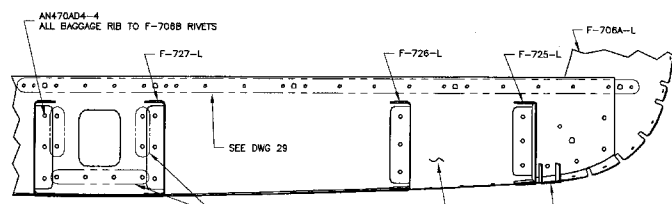
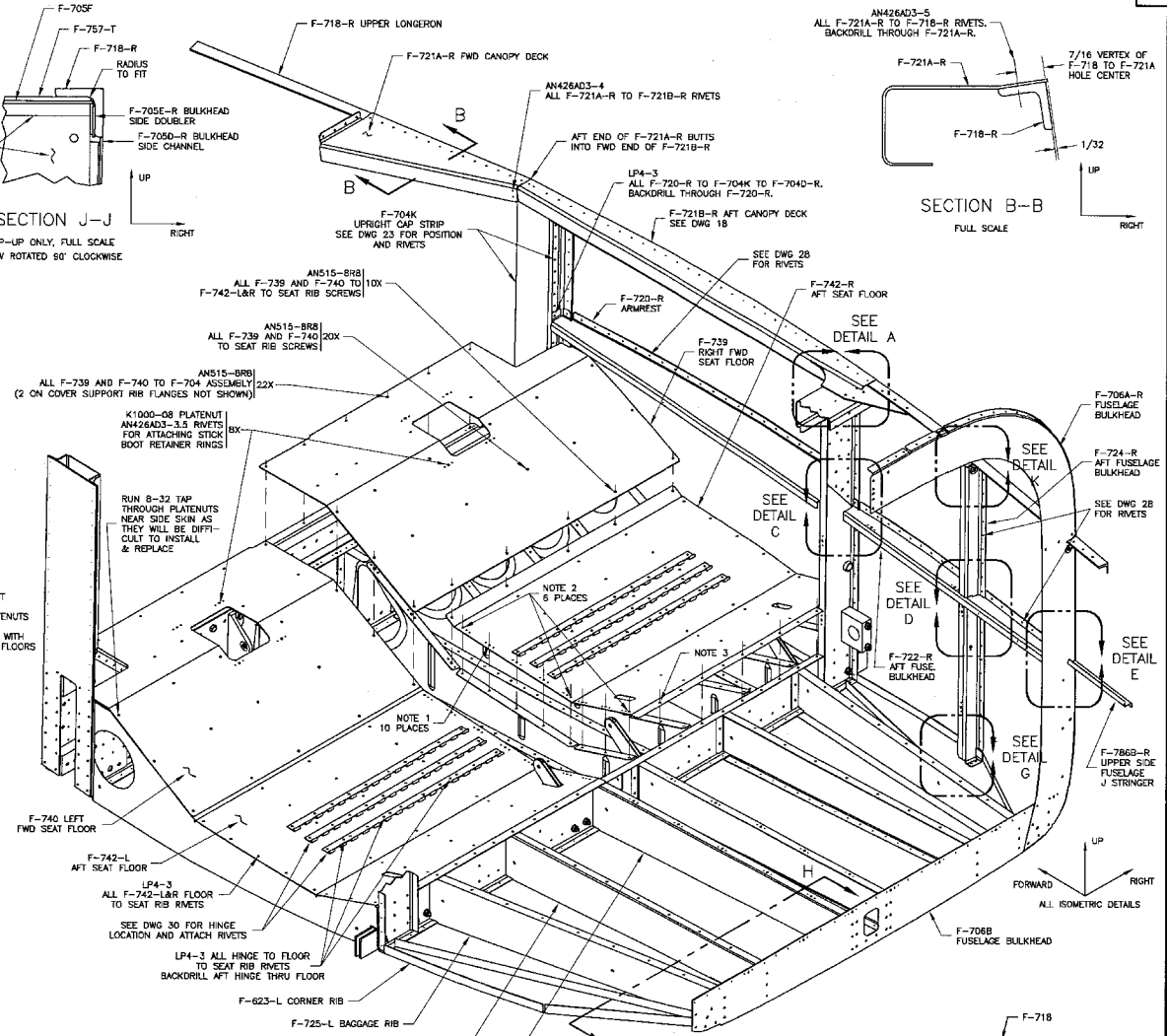
DETAIL E



SECTION F-F
2X FULL SCALE



- NOTES:**
1. K1000-08 PLATENUT AN426A03-4 RIVETS
2. MS21051-108 PLATENUTS AN426A03-4 RIVETS
3. RIVET IN ASSEMBLY WITH F-747-LAR BAGGAGE FLOORS

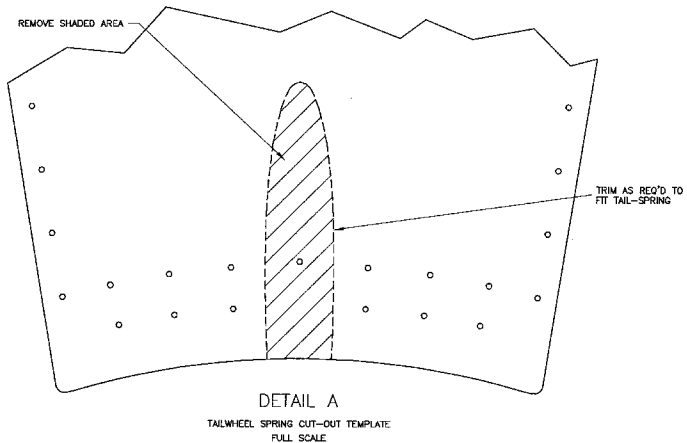
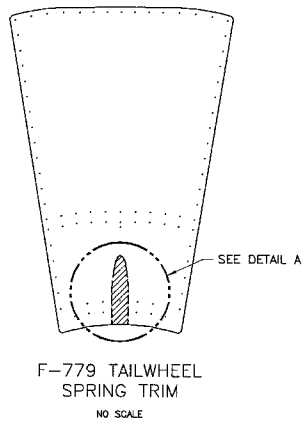
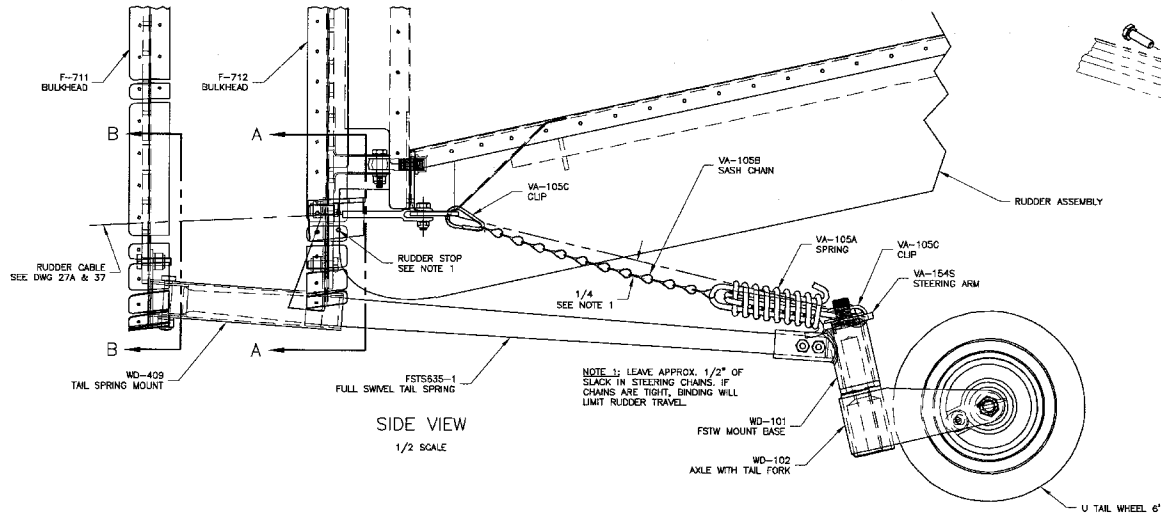
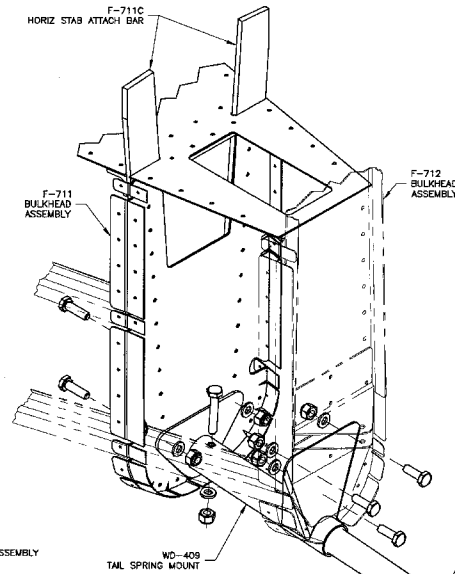
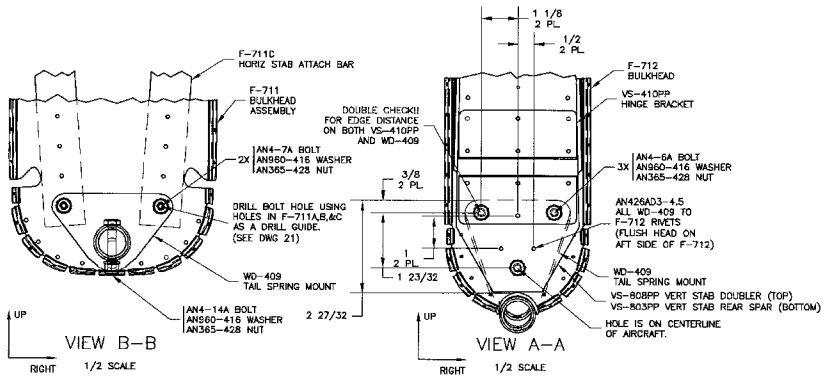


SECTION H-H
1/2 SCALE

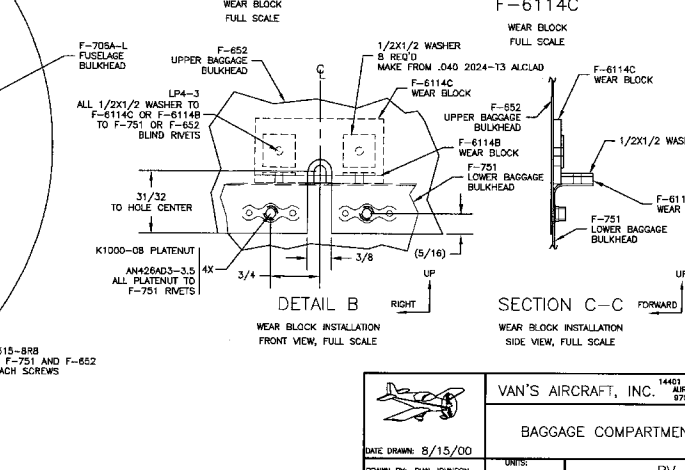
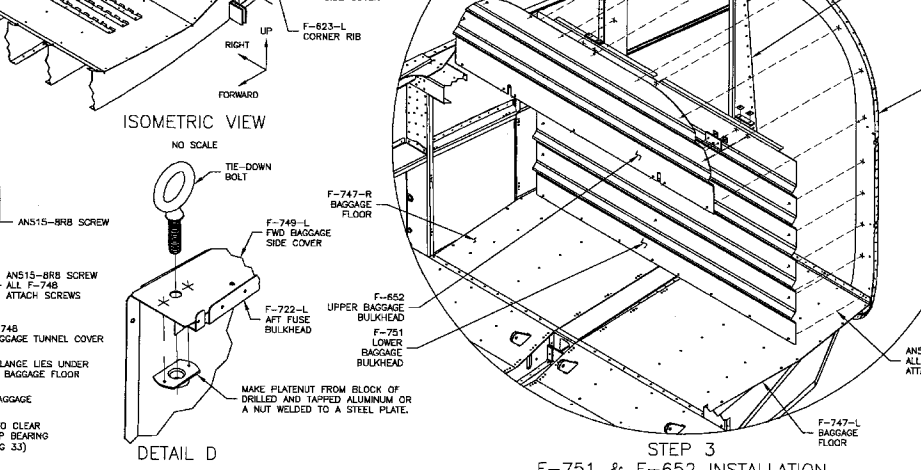
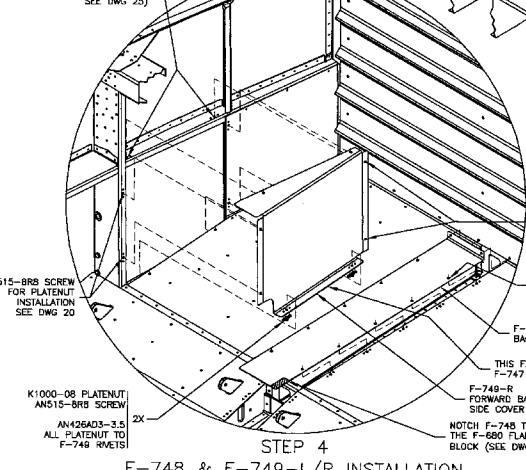
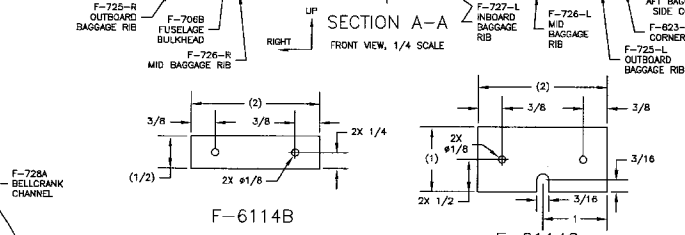
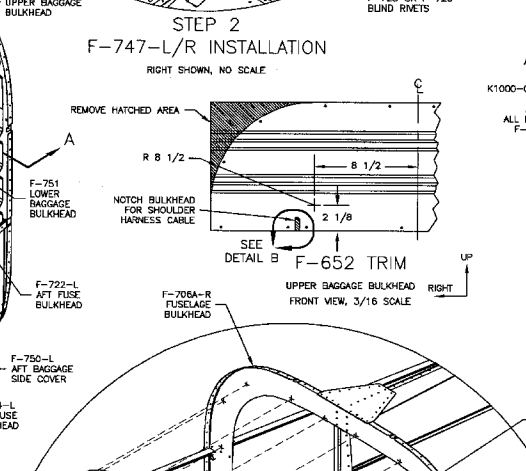
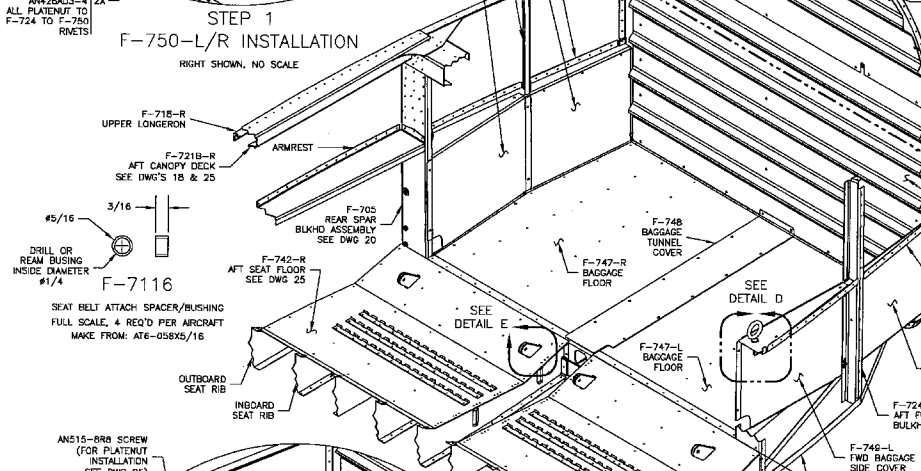
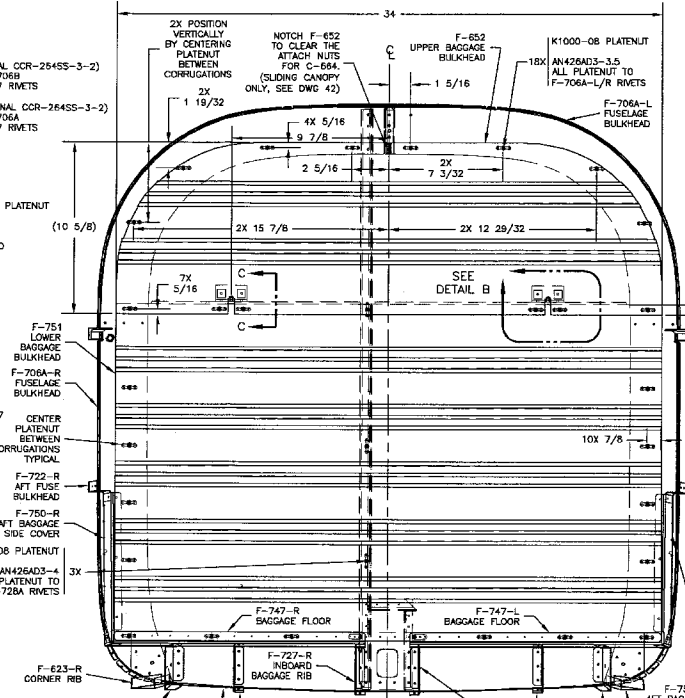
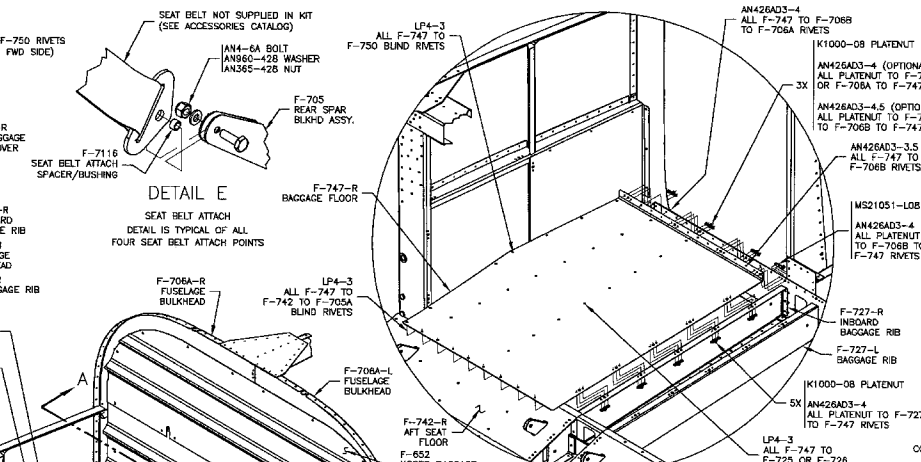
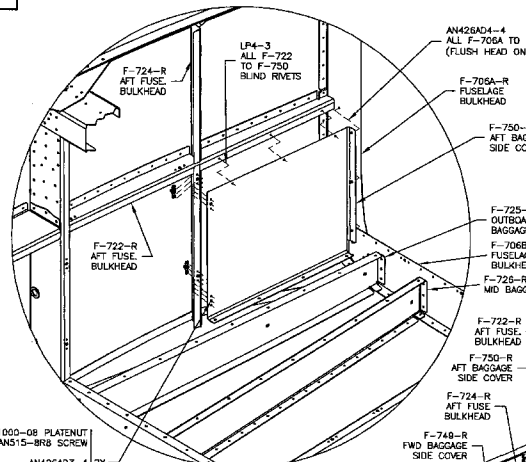
VAN'S AIRCRAFT, INC. 14401 NE KEL RD AURORA, OR 97002 USA

MID FUSELAGE

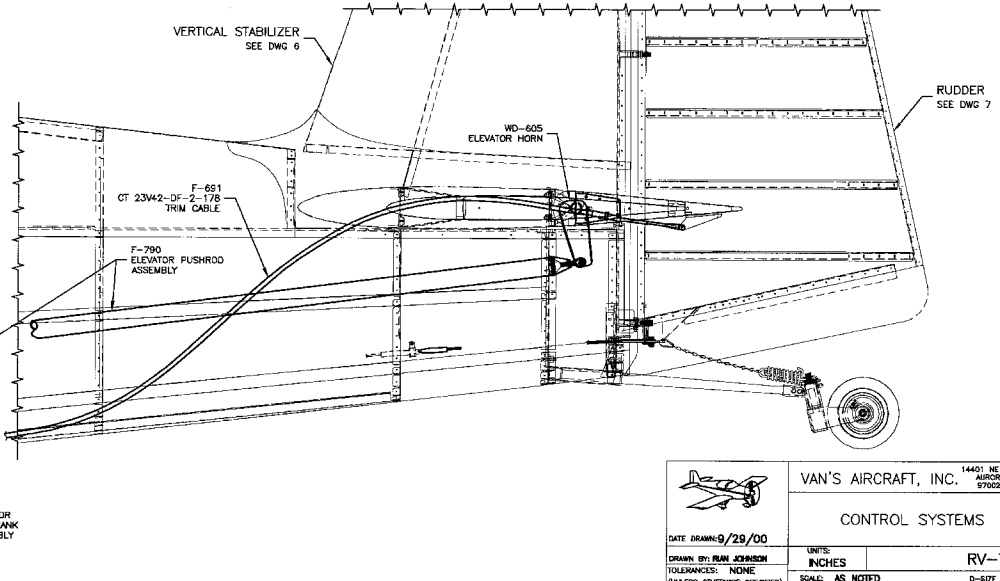
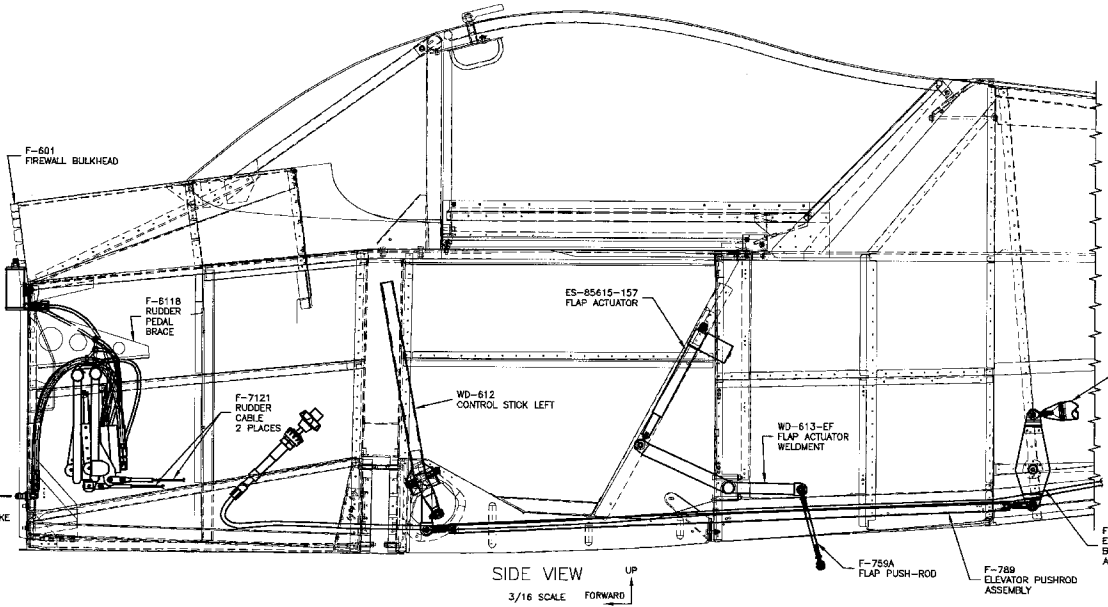
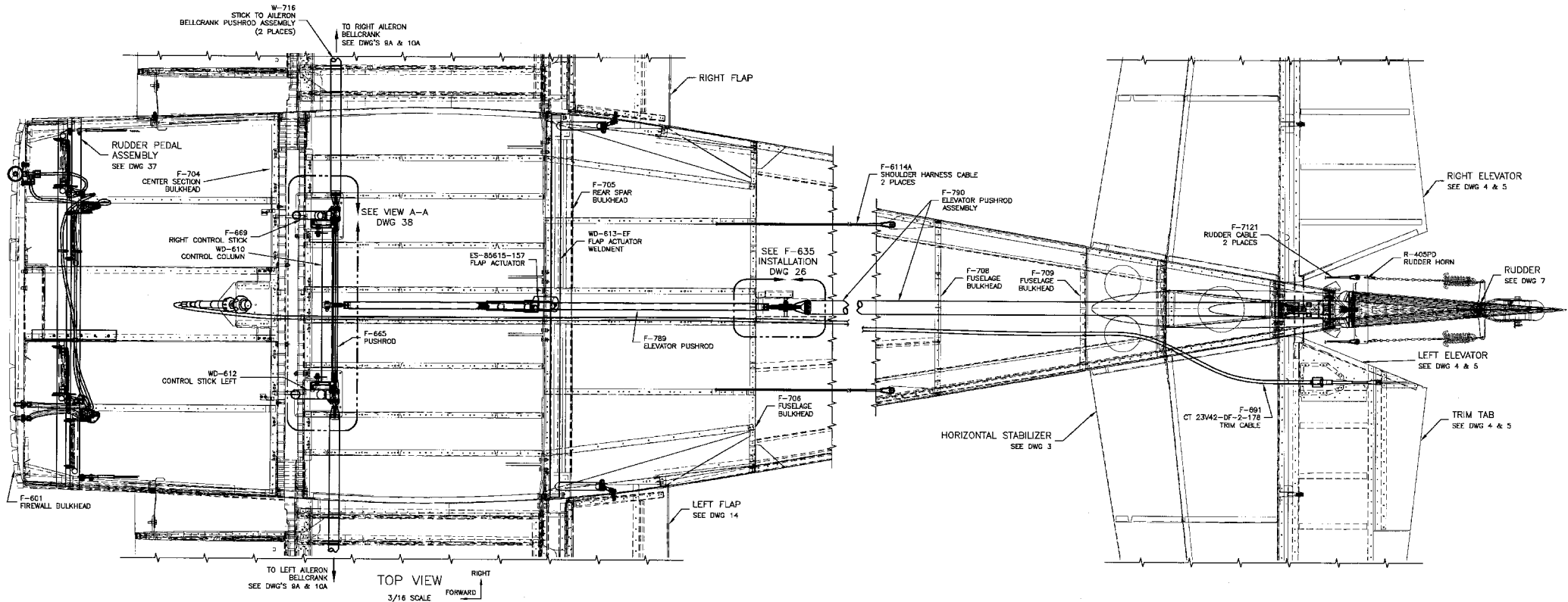
DATE DRAWN: 10/25/00
DRAWN BY: MICHAEL SCHWARTZ
TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)
SCALE: AS NOTED
D-SIZE ORIGINAL
DWG 25



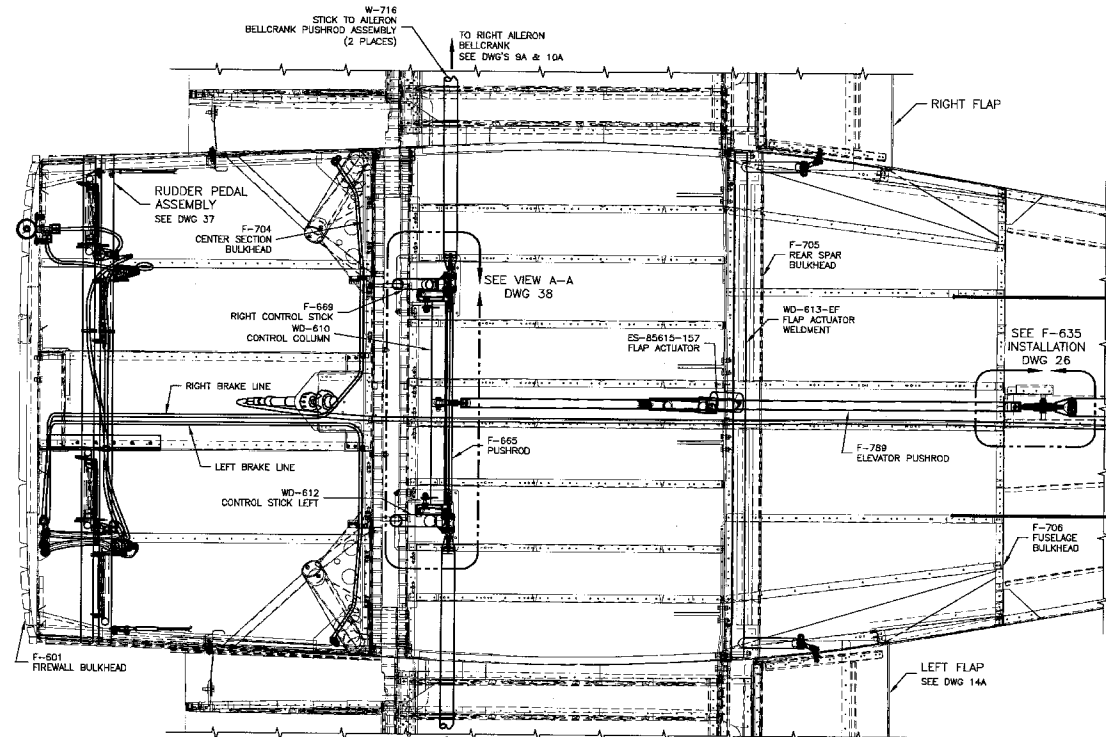
<small>REVISIONS</small> ZONES C5 & D7: DELETED MS15002-1 ADDED NOTE "IMPORTANT!...OR EQUIV." 3/4/03		VAN'S AIRCRAFT, INC. 14401 NE KEL RD. ALBURN, OR 97002, USA	
DATE DRAWN: 12/26/00		TAIL SPRING ATTACHMENT	
DRAWN BY: RIAN JOHNSON	UNITS: INCHES	RV-7,9	
TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)	SCALE: AS NOTED	D-SIZE ORIGINAL	
PATH FILENAME: C:\RV-7\2 OTHER PLANS\RV7.9-27.DWG	DWG 27		



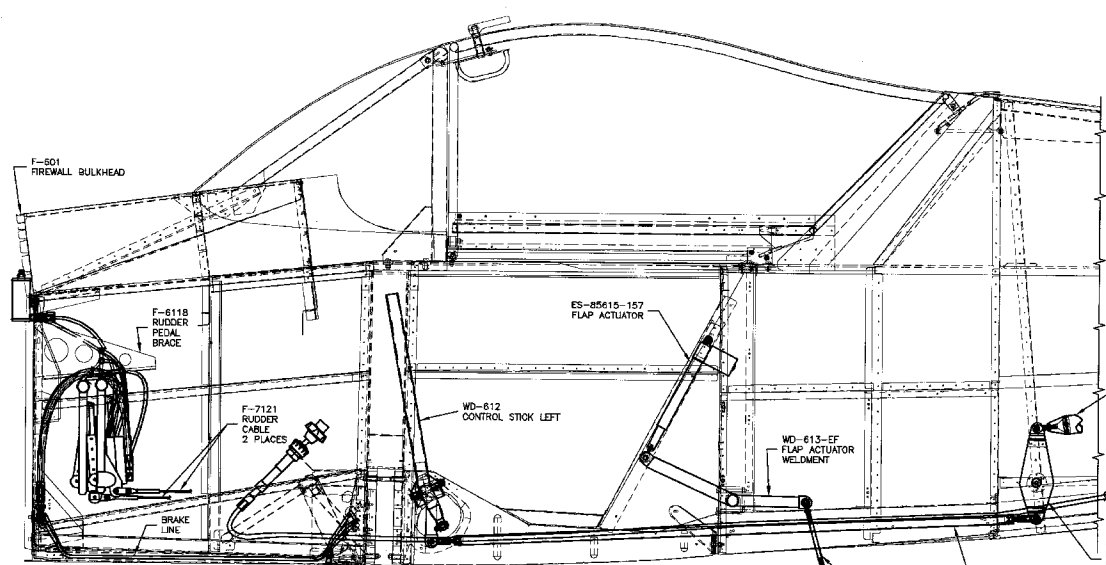
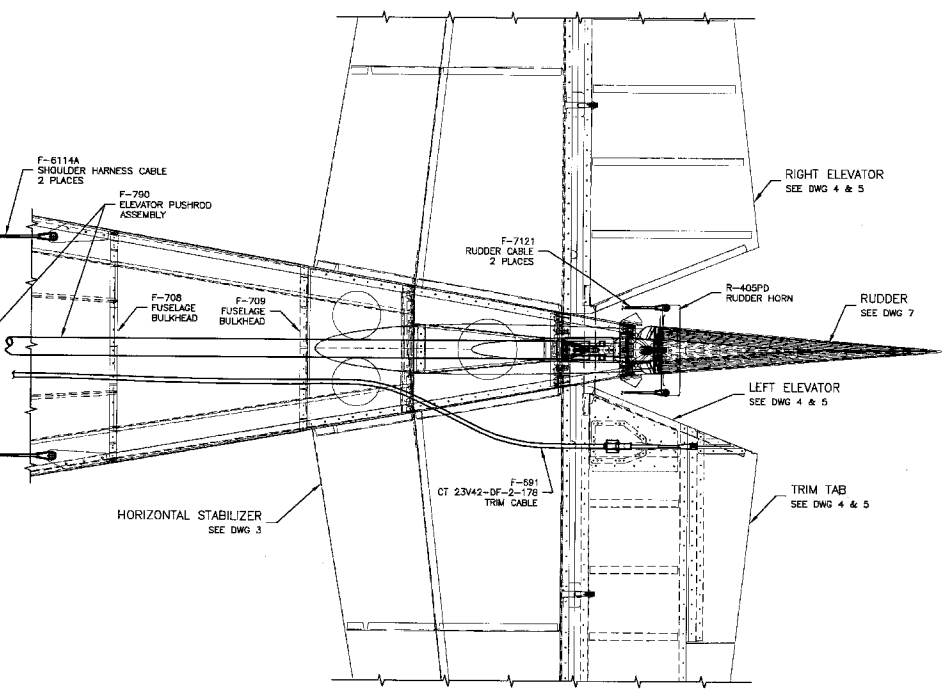
		VAN'S AIRCRAFT, INC. 14401 NE 15th RD ANDOVER, MA 01902 USA	
BAGGAGE COMPARTMENT			
DATE DRAWN: 8/15/00 DRAWN BY: DAN JOHNSON TOLERANCES: NONE UNLESS OTHERWISE SPECIFIED PART NUMBER: F-747-742 OTHER PLANS/RV-9-28-DWG	UNITS: INCHES SCALE: AS NOTED	RV-9 D-SIZE ORIGINAL DWG 29	



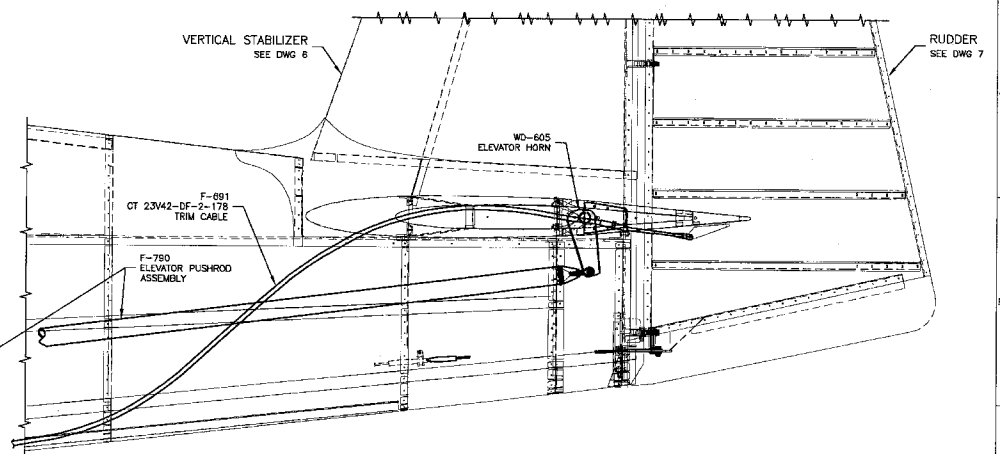
		VAN'S AIRCRAFT, INC. <small>14401 NE KEL RD. AIRBORNE, OR 97002 USA</small>	
CONTROL SYSTEMS			
DATE DRAWN: 9/29/00 DRAWN BY: RUM JOHNSON TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED) PART FILE NAME: QVW-7-72 OTHER PLANS: VV7-32LW	UNITS: INCHES	SCALE: AS NOTED	RV-7 D-SIZE ORIGINAL DWG 32




TOP VIEW
3/16 SCALE
FORWARD

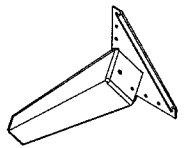


SIDE VIEW
3/16 SCALE
FORWARD

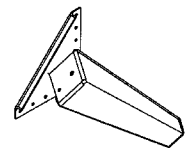


	VAN'S AIRCRAFT, INC. 14401 NE 101st, BELLEVUE, WA 98004, USA	
	CONTROL SYSTEMS	
	DATE DRAWN: 12/04/00	UNITS: INCHES
	DRAWN BY: RUM JOHNSON	SCALE: 3/16
TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)	SCALE: 3/16	RV-7A
PATH: \\VAV-7A\OTHER\PLANS\RV-7A-DWG		DWG 32A

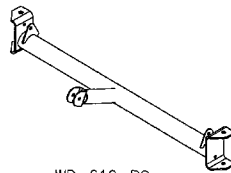
FUSELAGE KIT: ALL TYPES



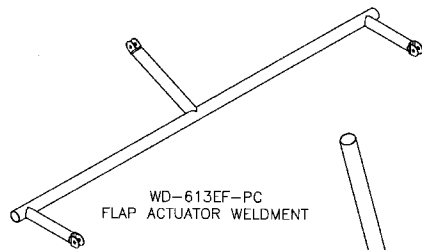
WD-602-L-1-PC
UPPER ENGINE MOUNT
BRACKET



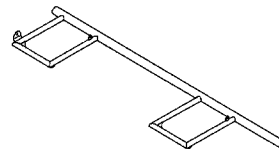
WD-602-R-1-PC
UPPER ENGINE MOUNT
BRACKET



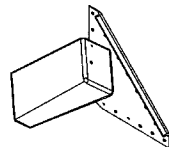
WD-610-PC
CONTROL COLUMN



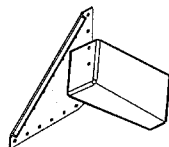
WD-613EF-PC
FLAP ACTUATOR WELDMENT



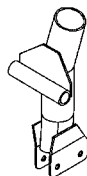
WD-655-L-PC
RUDDER PEDAL-LEFT



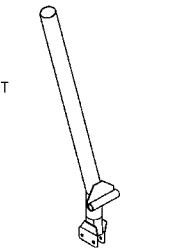
WD-603-L-1-PC
LOWER ENGINE MOUNT
BRACKET



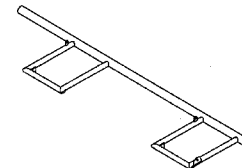
WD-603-R-1-PC
LOWER ENGINE MOUNT
BRACKET



WD-611-PC
CONTROL STICK - RIGHT

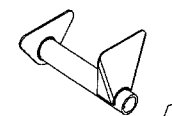


WD-612-PC
CONTROL STICK - LEFT

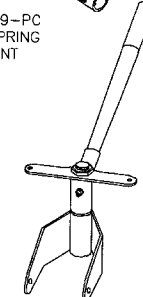


WD-655-R-PC
RUDDER PEDAL-RIGHT

FUSELAGE KIT:
TAILDRAGGER

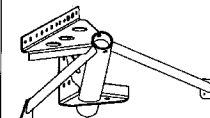


WD-409-PC
TAIL SPRING
MOUNT

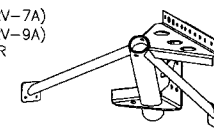


U-FSTW-ASSY
FULL SWIVEL TAIL-WHEEL
ASSEMBLY

FUSELAGE KIT: TRI-GEAR



WD-721-L-PC (RV-7A)
WD-921-L-PC (RV-9A)
LANDING GEAR
MOUNT-LEFT



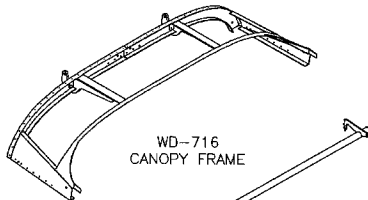
WD-721-R-PC (RV-7A)
WD-921-R-PC (RV-9A)
LANDING GEAR
MOUNT-RIGHT



U-403-PC
BRAKE MOUNT FLANGE

NOTE:
U-403 MAY BE PROVIDED
WITH EITHER OF THE TWO
FLANGE CONFIGURATIONS
SHOWN

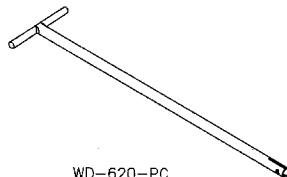
FINISH KIT: TIP-UP CANOPY



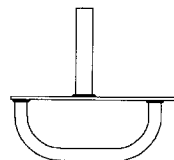
WD-716
CANOPY FRAME



WD-618-PC
CANOPY RELEASE ARM



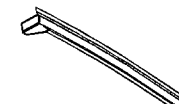
WD-620-PC
CANOPY JETTISON HANDLE



WD-621-PC
CANOPY HANDLE



WD-622
CANOPY LATCH LUG



WD-725-L
CANOPY FRAME SIDE



WD-725-R
CANOPY FRAME SIDE

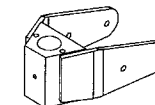


WD-617-PC
CANOPY LATCH



WD-619-PC
CANOPY RELEASE SHAFT

FINISH KIT: TRI-GEAR

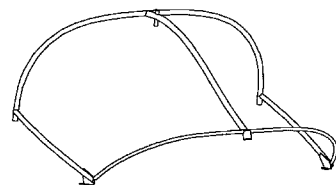


WD-630
NOSE WHEEL FORK

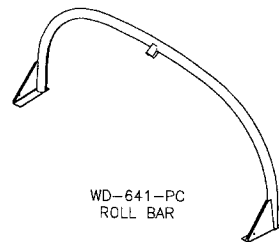


WD-631-PC
NOSE STOP FLANGE

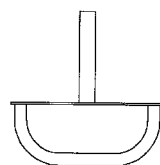
FINISH KIT: SLIDING CANOPY



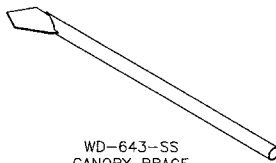
WD-640-PC
CANOPY FRAME



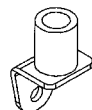
WD-641-PC
ROLL BAR



WD-642-PC
SLIDING CANOPY HANDLE

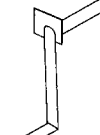


WD-643-SS
CANOPY BRACE

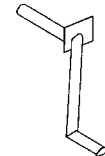


WD-644-PC
CANOPY ROLLER

STEP KIT
OPTIONAL

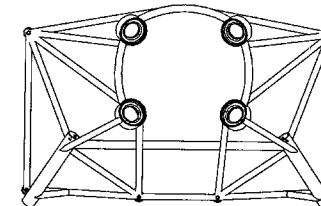


WD-657-L
STEP-LEFT



WD-657-R
STEP-RIGHT

FINISH KIT: TAILDRAGGER

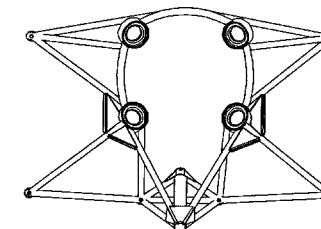


ENGINE/LANDING GEAR MOUNT
(DYNA 1 SHOWN)



U-403-PC
BRAKE MOUNT FLANGE

NOTE:
U-403 MAY BE PROVIDED
WITH EITHER OF THE TWO
FLANGE CONFIGURATIONS
SHOWN



ENGINE/GEAR MOUNT
(DYNA 1 SHOWN)



VAN'S AIRCRAFT, INC. 14401 HE DEL RD.
AUBURN, CA 95602 USA

FUSELAGE WELDMENTS

DATE DRAWN 9/15/00

DRAWN BY PHILIP RYALL

TOLERANCES: NONE

UNLESS OTHERWISE SPECIFIED

PARTS LISTING: 01-VW-712 OTHER PLANS RV7.2-35.100

UNITS: INCHES

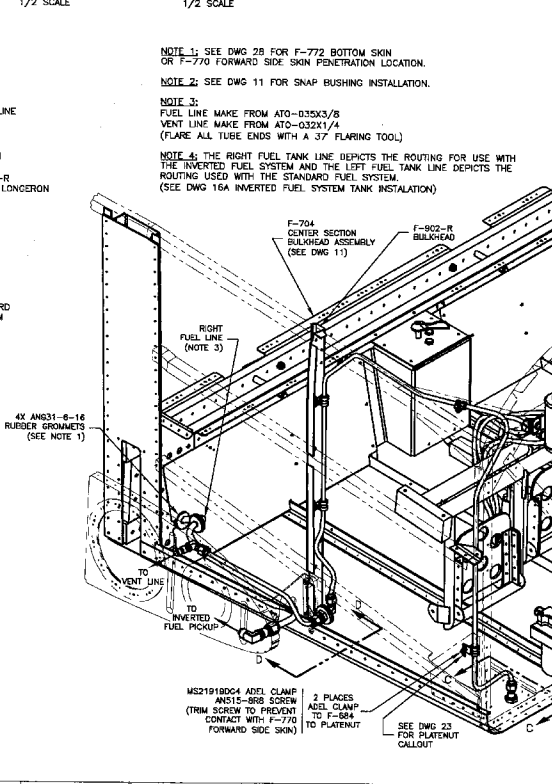
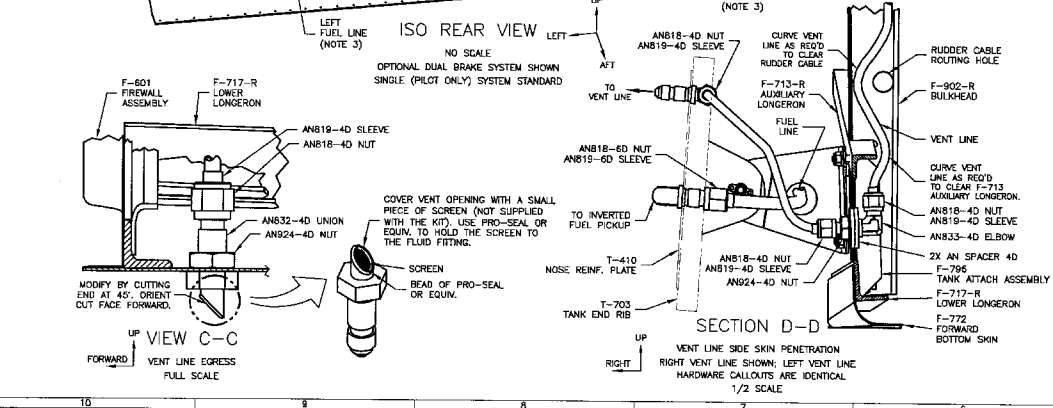
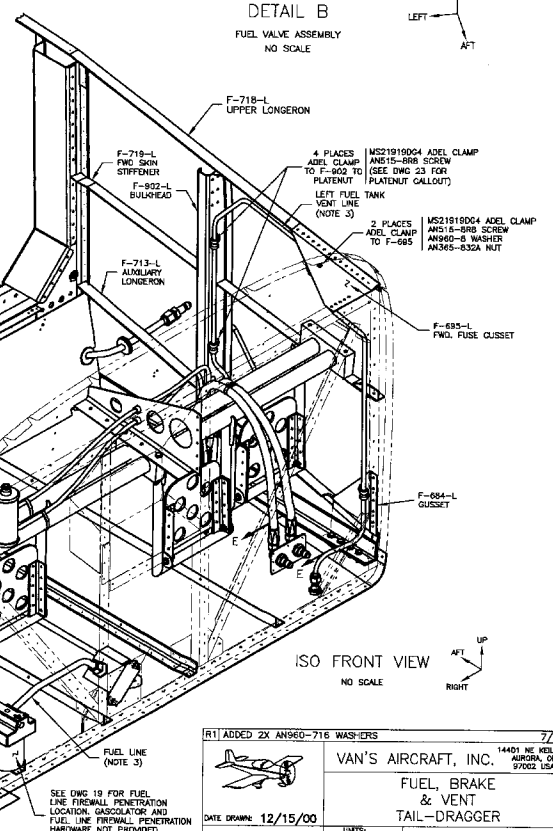
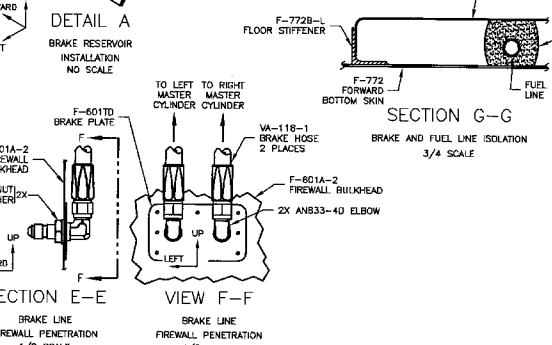
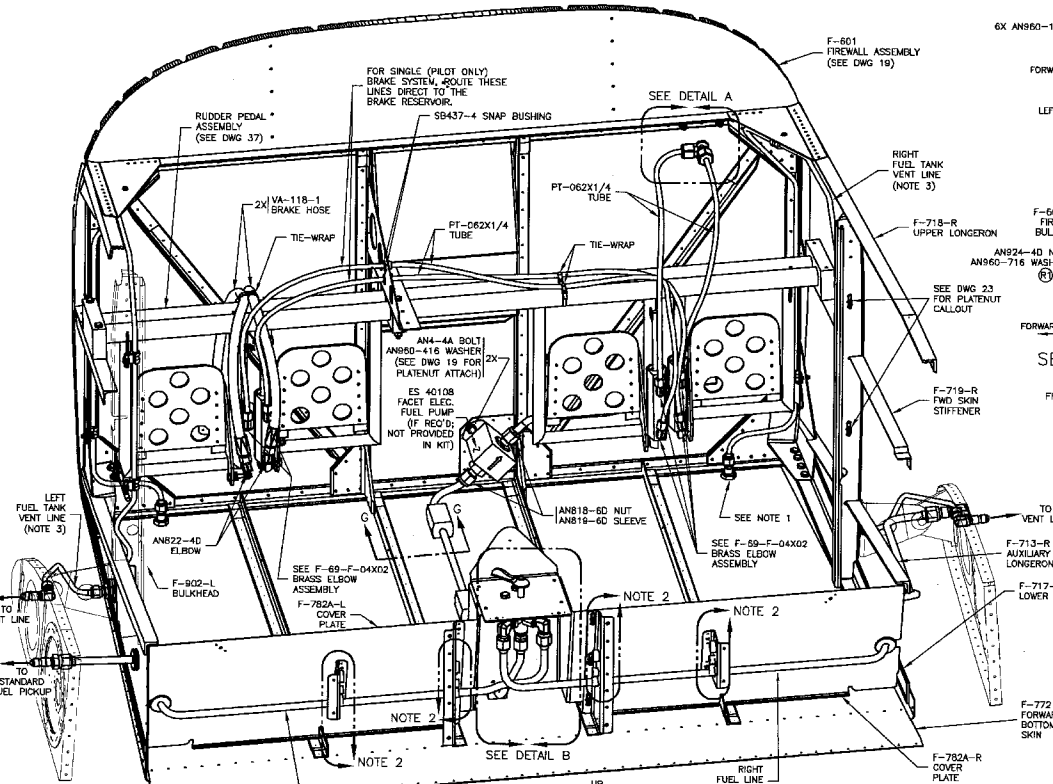
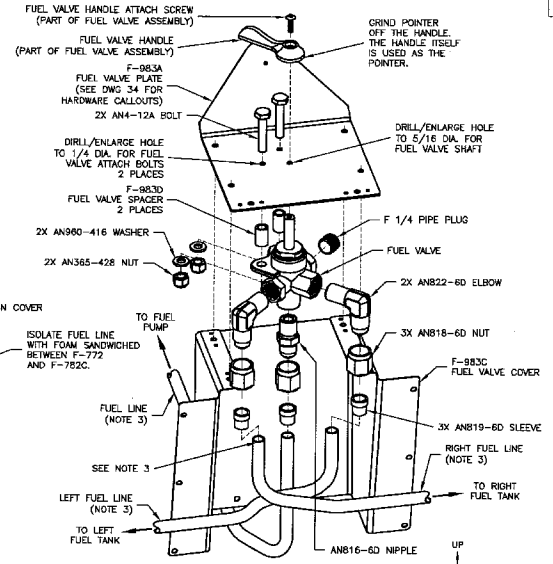
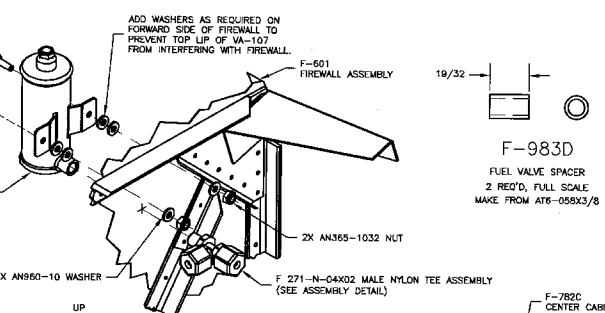
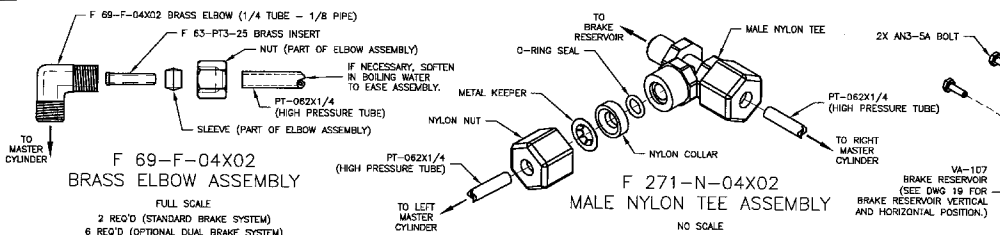
SCALE: NONE

D-SIZE ORIGINAL

DWG 35

RV-7,9

DWG 35



NOTE 1: SEE DWG 29 FOR F-772 BOTTOM SKIN OR F-770 FORWARD SIDE SKIN PENETRATION LOCATION.
NOTE 2: SEE DWG 11 FOR SNAP BUSHING INSTALLATION.
NOTE 3: FUEL LINE MAKE FROM ATO-035X3/8 VENT LINE MAKE FROM ATO-032X1/4 (FLARE ALL TUBE ENDS WITH A 37° FLARING TOOL).
NOTE 4: THE RIGHT FUEL TANK LINE DEPICTS THE ROUTING FOR USE WITH THE INVERTED FUEL SYSTEM AND THE LEFT FUEL TANK LINE DEPICTS THE ROUTING USED WITH THE STANDARD FUEL SYSTEM. (SEE DWG 16A INVERTED FUEL SYSTEM TANK INSTALLATION).

RT1 ADDED 2X AN860-716 WASHERS

DATE DRAWN: 12/15/00

DRAWN BY: RMM JOHNSON

TOLERANCES: NONE UNLESS OTHERWISE SPECIFIED

PART NAME: F21N-72 OTHER PLANS 971-3A-DWG

14401 NE 42ND, RD. AURORA, OR 97002, USA

VAN'S AIRCRAFT, INC.

FUEL, BRAKE & VENT TAIL-DRAWER

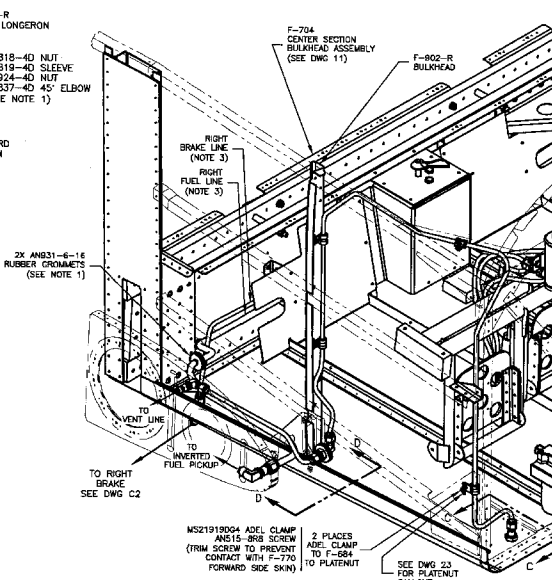
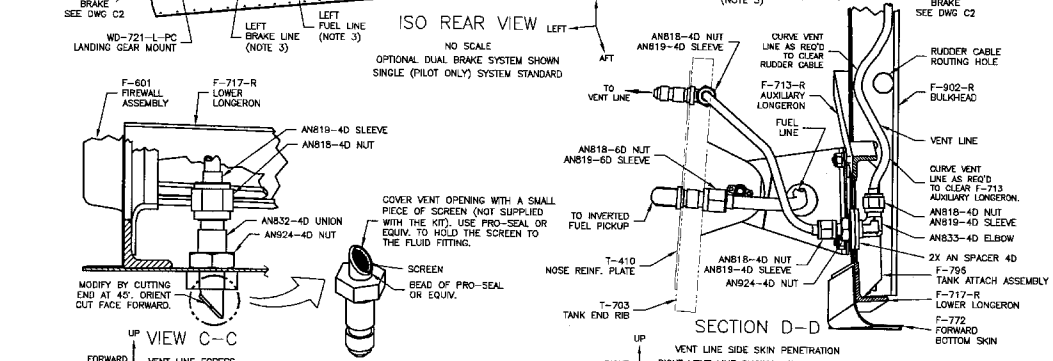
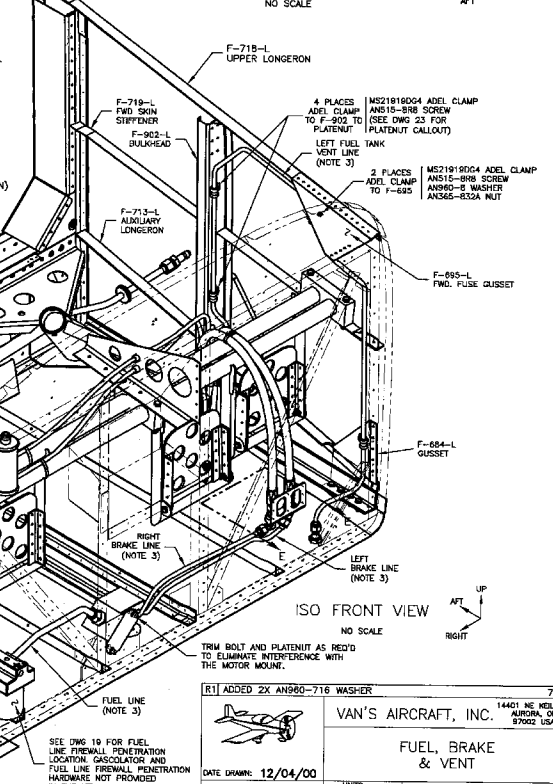
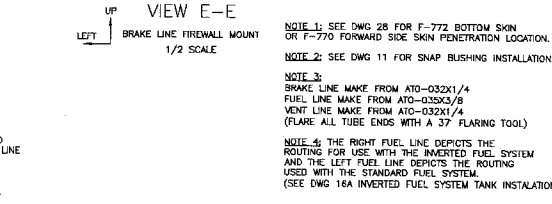
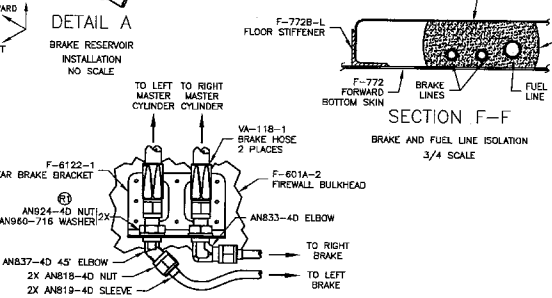
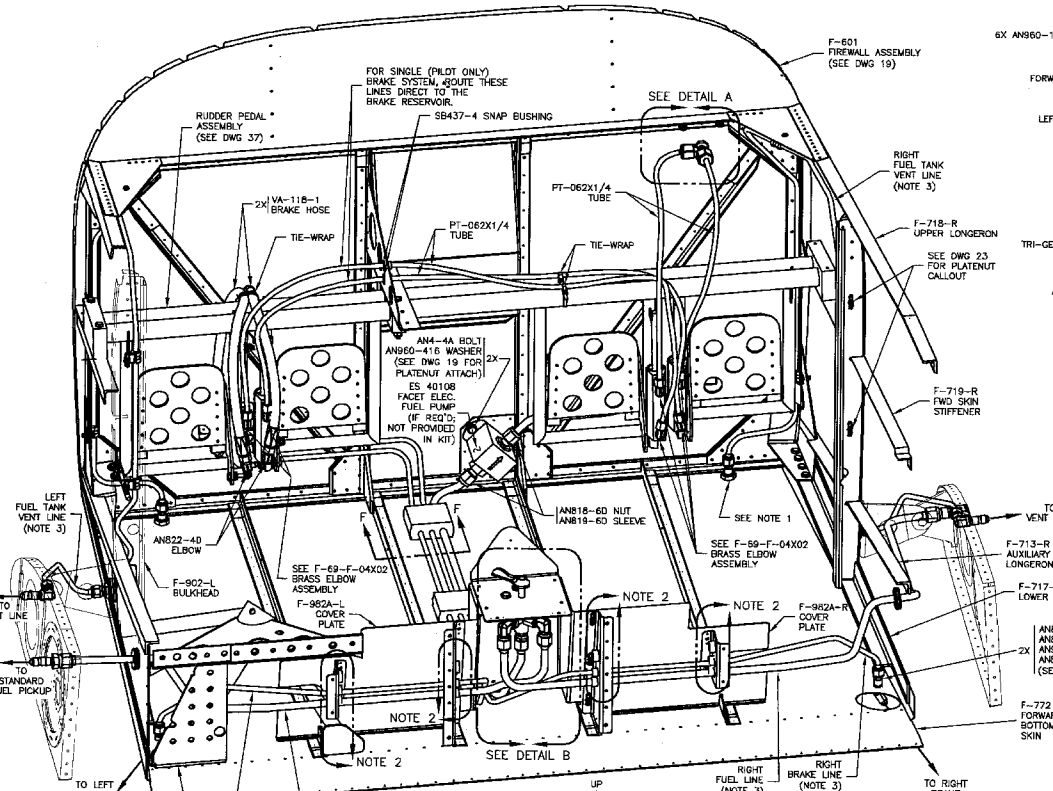
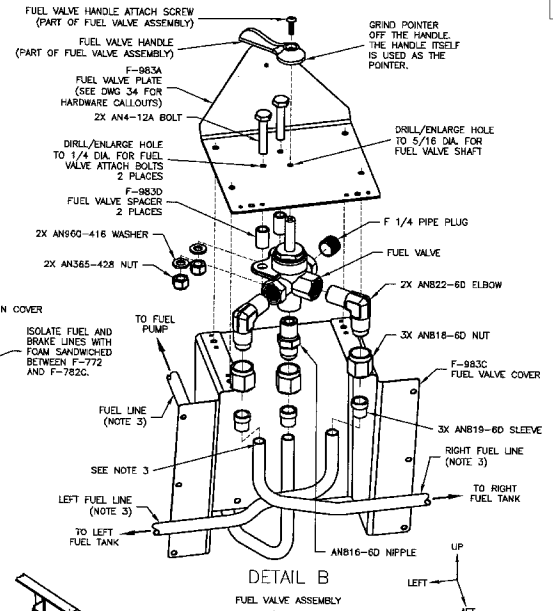
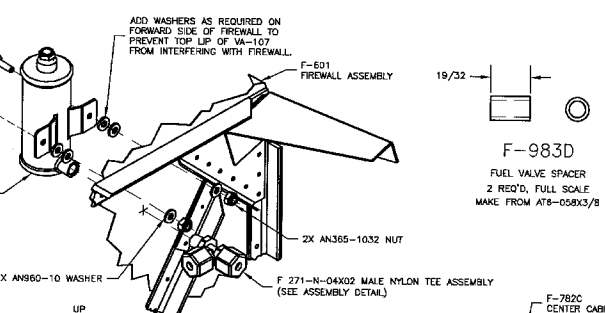
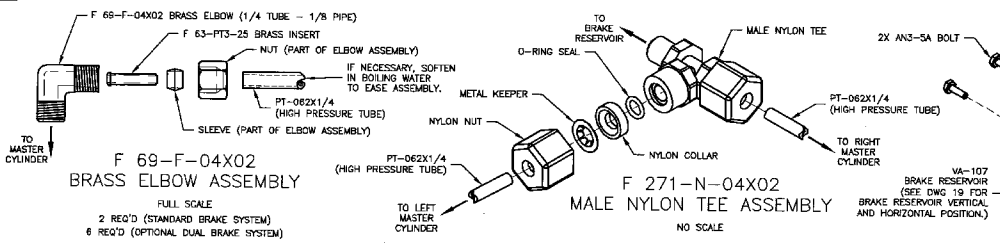
UNITS: INCHES

SCALE: AS NOTED

RV-7

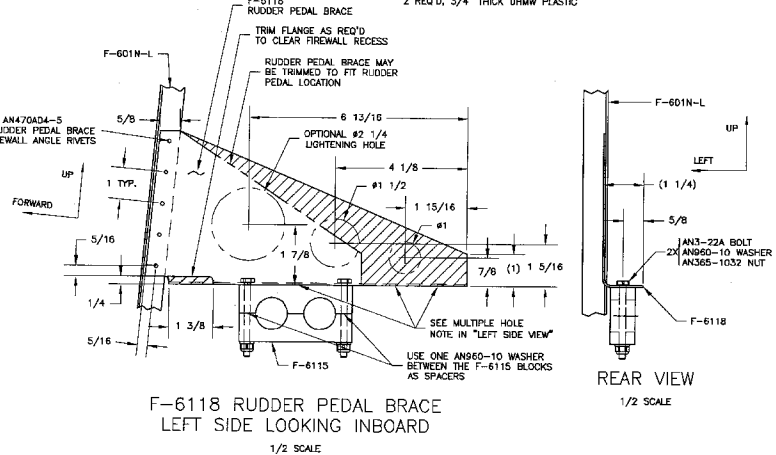
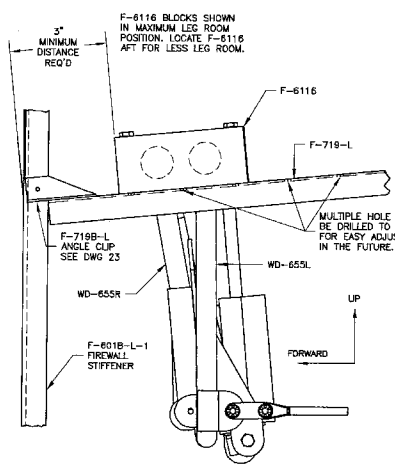
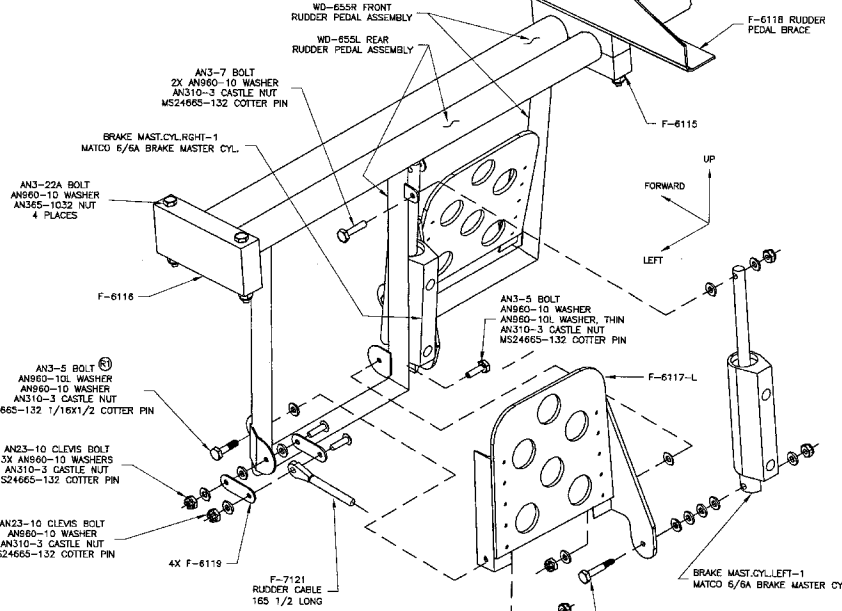
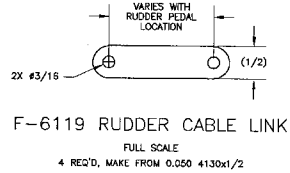
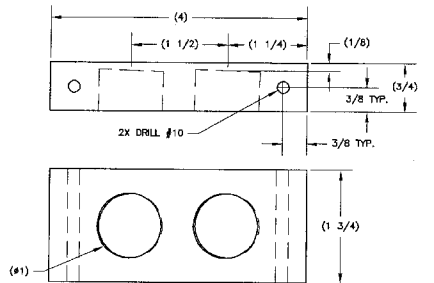
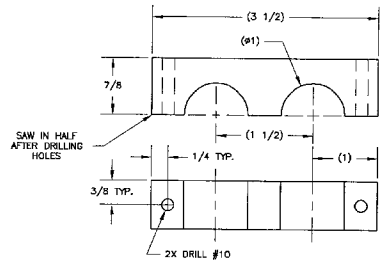
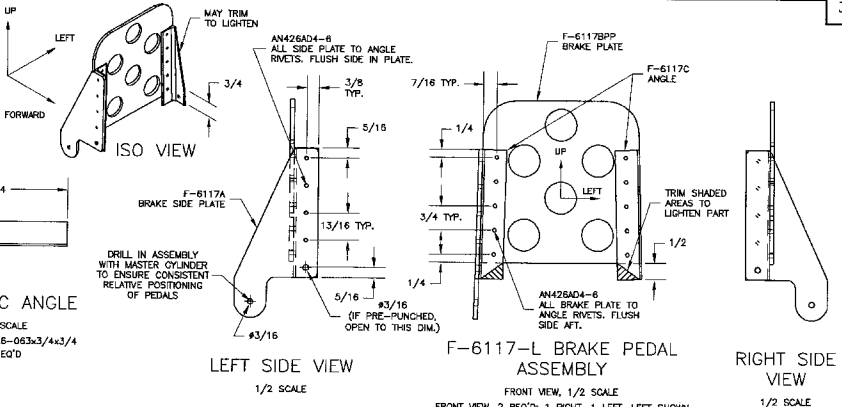
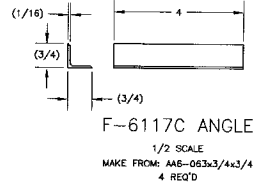
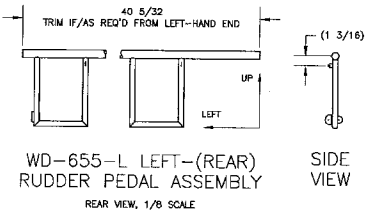
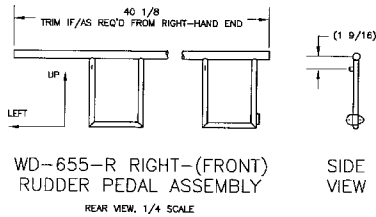
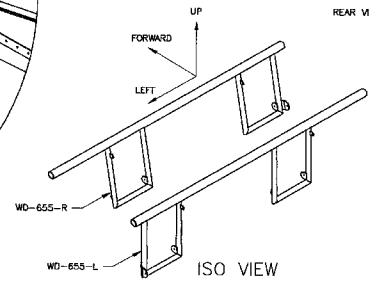
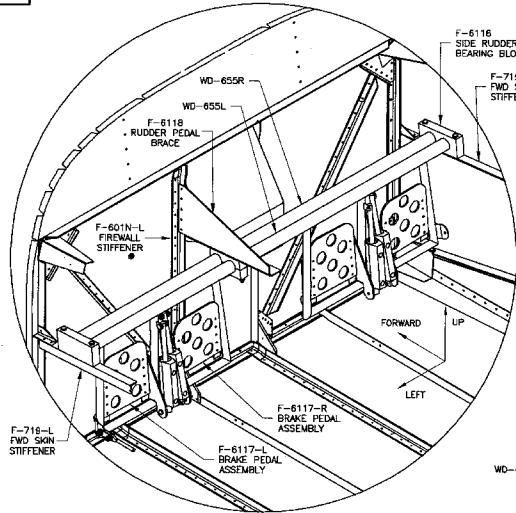
D-SIZE ORIGINAL

DWG 36

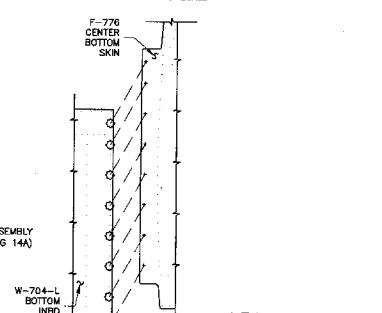
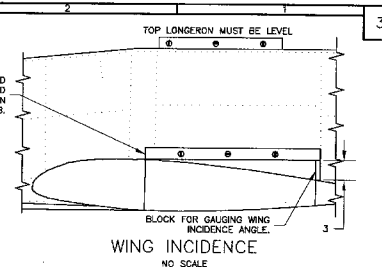
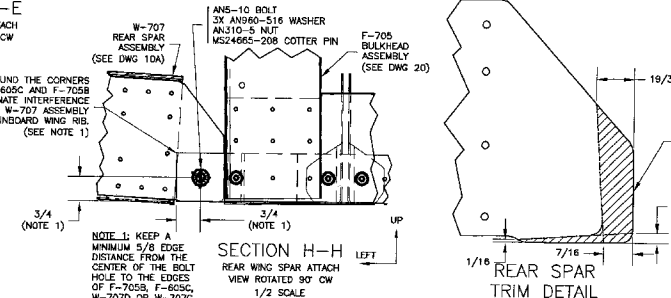
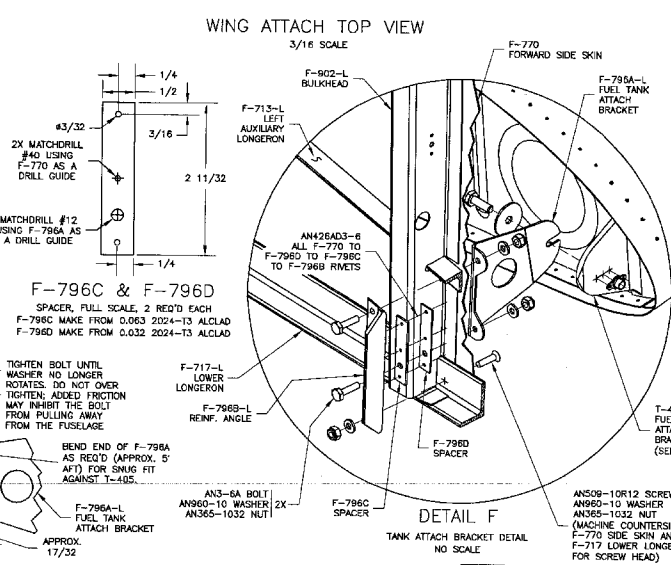
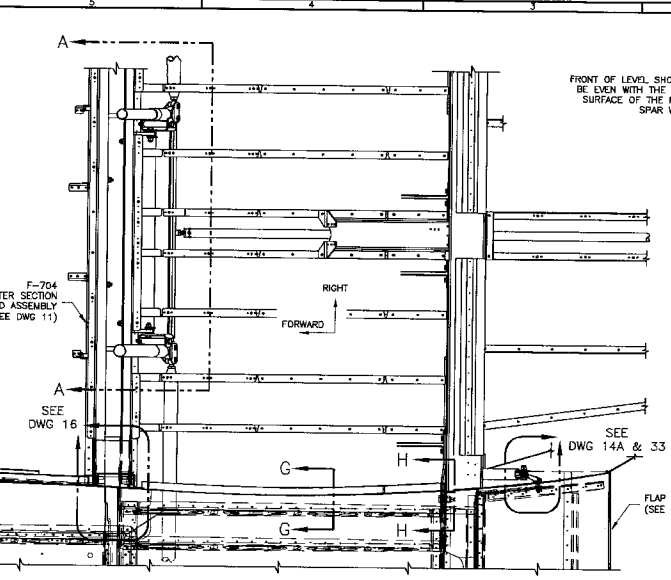
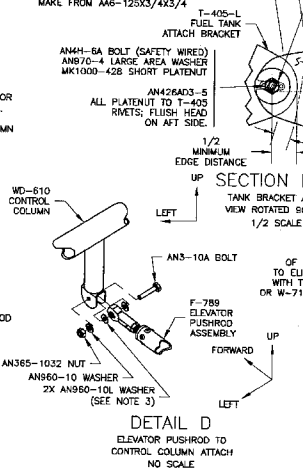
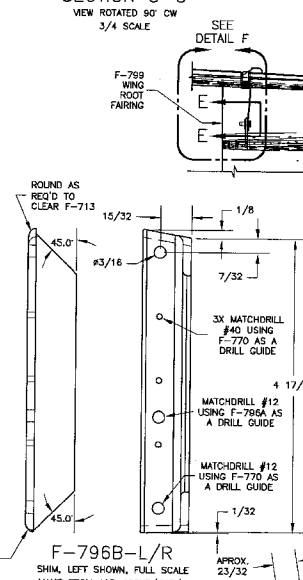
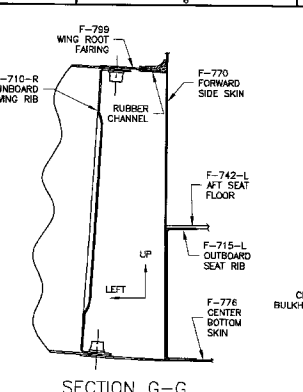
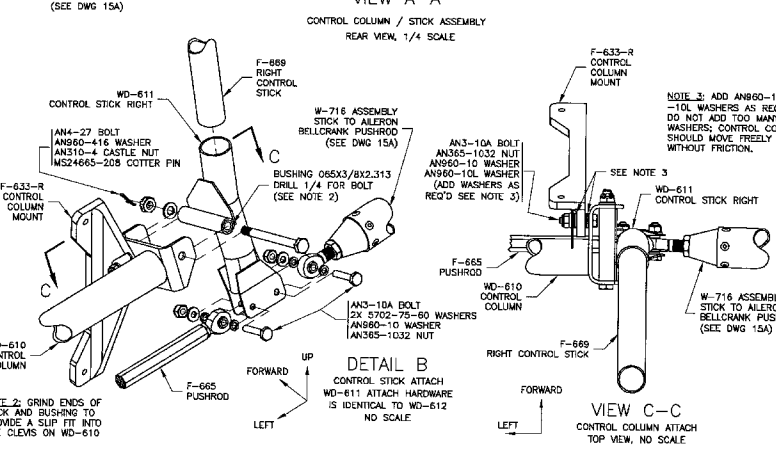
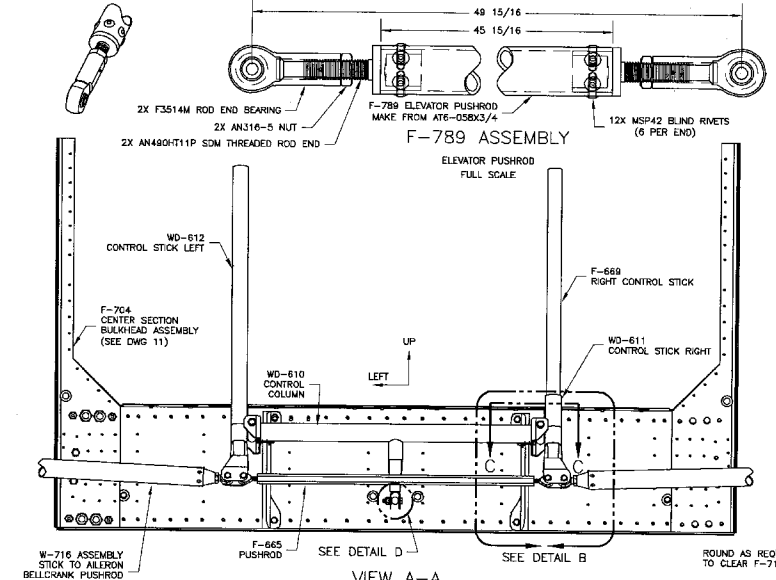
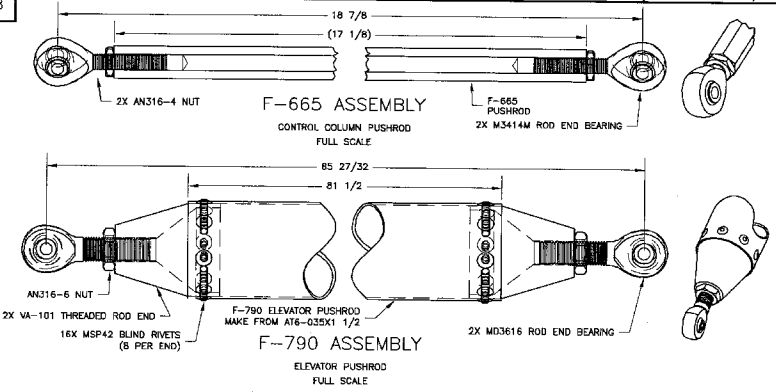


DATE DRAWN: 12/04/00
DRAWN BY: IAN JOHNSON
TOLERANCES: NONE
UNLESS OTHERWISE SPECIFIED
PARTS/PLANS: F-107-72 OTHER PLANS 7-36-100

7/01
VAN'S AIRCRAFT, INC. 14401 NE KELLY RD. ASTORIA, OR 97102 USA
FUEL, BRAKE & VENT
RV-7A
D-SEE ORIGINAL
DWG 36A



RTI AN3-5 WAS AN3-4	01/23/01
VAN'S AIRCRAFT, INC. 14401 NE VAIL RD ALBANY, OR 97002 USA	
RUDDER PEDALS	
DATE DRAWN: 8/2/00	UNITS: INCHES
DRAWN BY: PHILIP SWALL	RV-7,9
TOLERANCES: NONE UNLESS OTHERWISE SPECIFIED	SCALE: AS NOTED
PATH:FILENAME: F:\RV-7\2 OTHER PLANS\RV7.9-37.DWG	0-SIZE ORIGINAL
	DWG 37

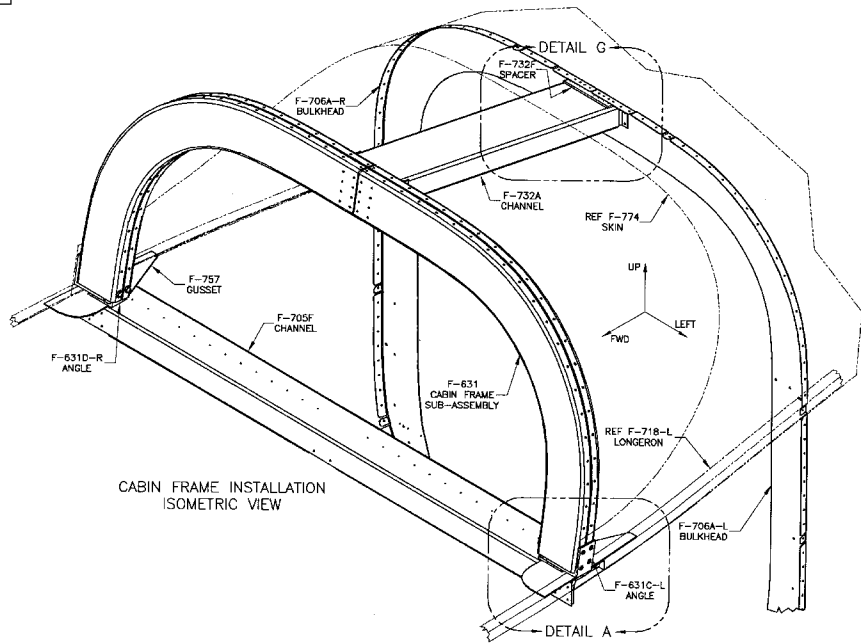


LEGEND

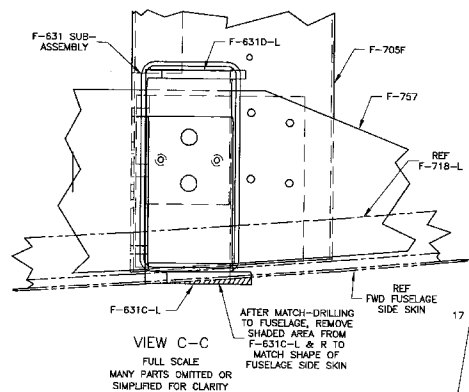
- K1000-08 PLATENUT AN509-BR8 SCREW
- AN426AD3-4.5 ALL PLATENUT TO WING RIB TO WING WALK DOUBLER TO WING SKIN RIVETS
- K1100-08 PLATENUT AN509-BR8 SCREW
- AN426AD3-3.5 ALL PLATENUT TO TANK SKIN RIVETS
- AN426AD3-4 ALL PLATENUT TO WING RIB TO BOTTOM SKIN RIVETS
- MS21053-10B ONE-LEG PLATENUT AN509-BR8 SCREW
- AN426AD3-3.5 ALL PLATENUT TO TOP SKIN RIVETS
- USE EXISTING TANK ATTACH PLATENUT SEE DWG 16
- TRIM INBOARD EDGE AS REQUIRED FOR AN EVEN GAP WITH THE FUSELAGE OF 1/4" MAXIMUM AND 3/16" MINIMUM
- MACHINE COUNTERSINK
- F-799 WING ROOT FAIRING

REV	ZONE	DATE	BY	TITLE
1		11/28/01	BRN	WING ATTACH & CONTROL SYSTEM DETAIL
2		11/28/01	BRN	WING ATTACH & CONTROL SYSTEM DETAIL

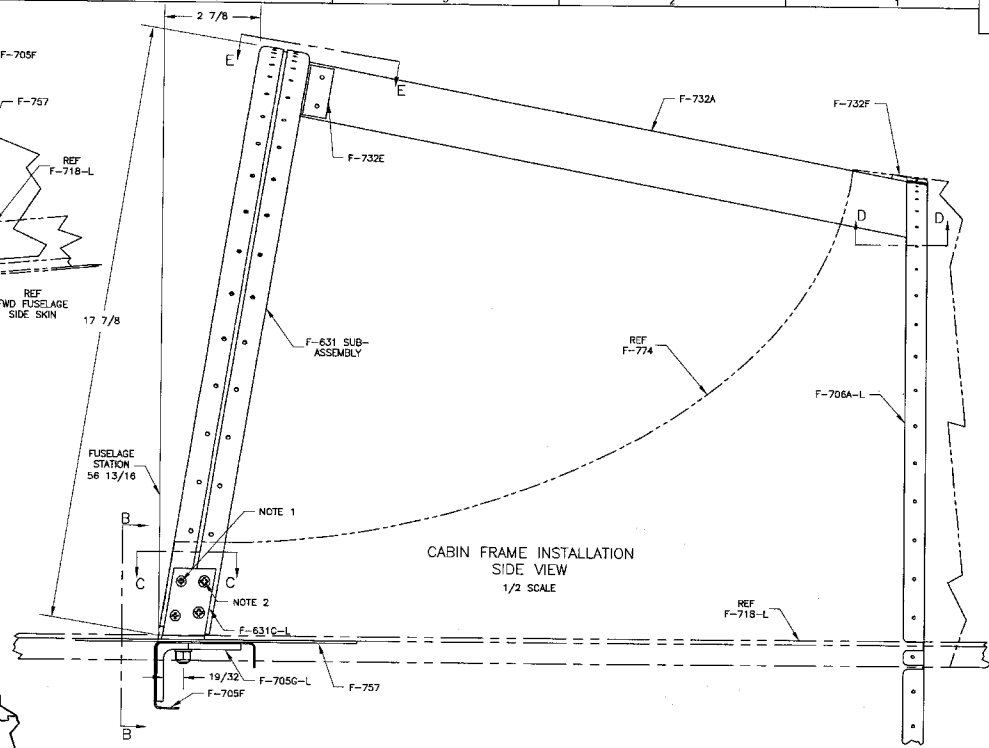
DATE DRAWN: 11/28/00
DRAWN BY: BRN JOHNSON
TOLERANCES: NONE UNLESS OTHERWISE SPECIFIED
SCALE: AS NOTED
D-SIZE ORIGINAL
PART NUMBER: C-VR-712 OTHER PLANS: RV-7-38.DWG
DWG 38



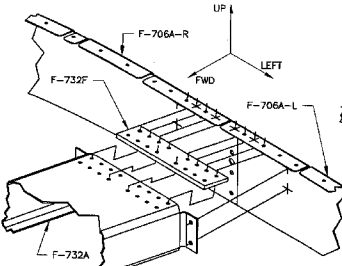
CABIN FRAME INSTALLATION ISOMETRIC VIEW



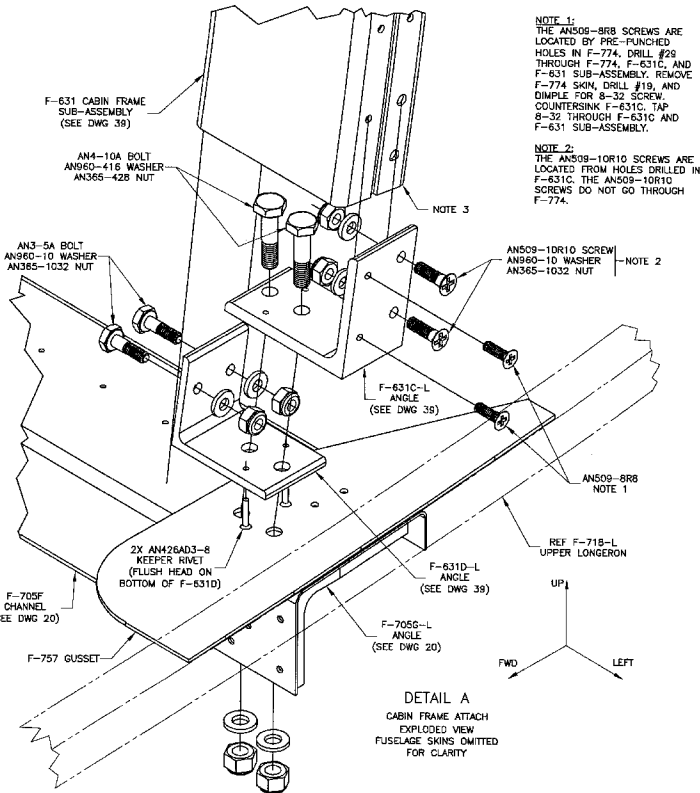
VIEW C-C FULL SCALE MANY PARTS OMITTED OR SIMPLIFIED FOR CLARITY



CABIN FRAME INSTALLATION SIDE VIEW 1/2 SCALE



DETAIL G 1/2 SCALE ATTACH EXPLODED VIEW

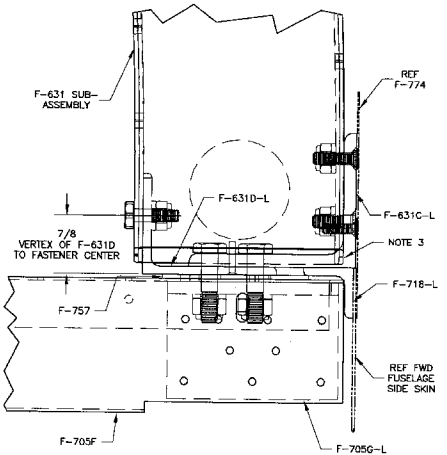


DETAIL A CABIN FRAME ATTACH EXPLODED VIEW FUSELAGE SKINS OMITTED FOR CLARITY

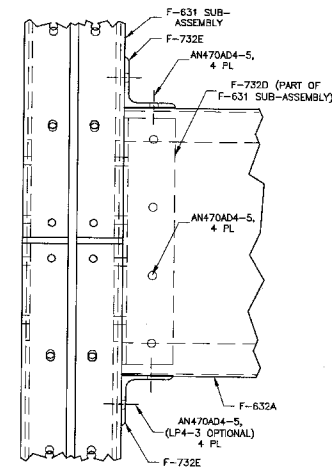
NOTE 1:
THE AN509-8R8 SCREWS ARE LOCATED BY PRE-FUNCHED HOLES IN F-774. DRILL #29 THROUGH F-774, F-631C, AND F-631 SUB-ASSEMBLY. REMOVE F-774 SKIN, DRILL #19, AND DIMPLE FOR 8-32 SCREW. COUNTERSINK F-631C, TAP 8-32 THROUGH F-631C AND F-631 SUB-ASSEMBLY.

NOTE 3:
TRIM AND RADIUS THE AFT LOWER AND OUTBOARD EDGES OF THE F-631 SUB-ASSEMBLY AS REQUIRED TO NEST INSIDE THE RADIUS OF THE F-631C ANGLES.

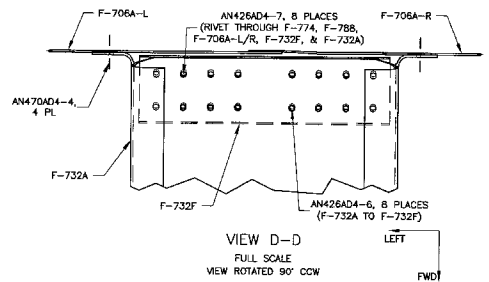
NOTE 2:
THE AN509-10R10 SCREWS ARE LOCATED FROM HOLES DRILLED IN F-631C. THE AN509-10R10 SCREWS DO NOT GO THROUGH F-774.



VIEW B-B FULL SCALE

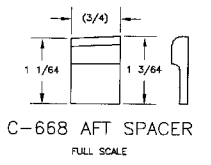
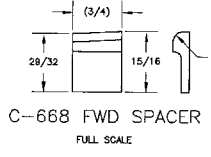
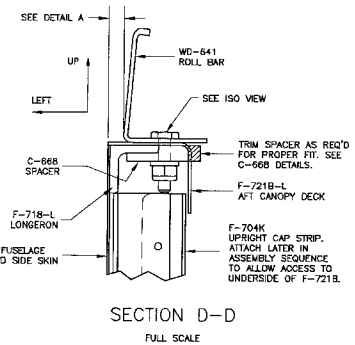
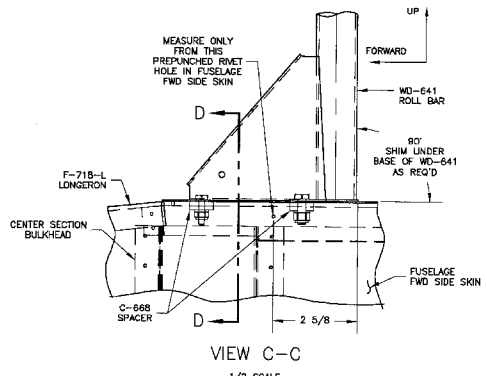
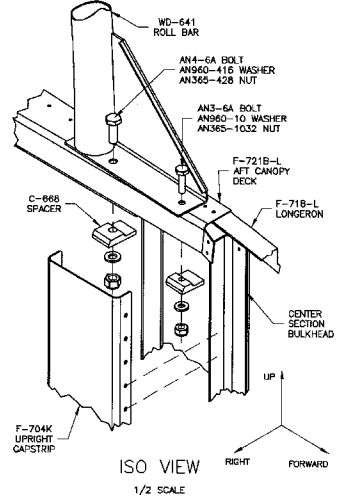
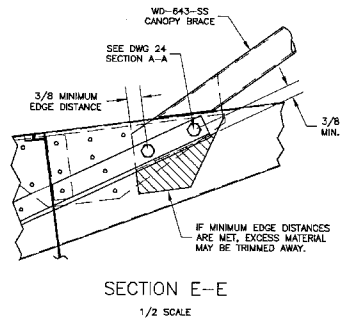
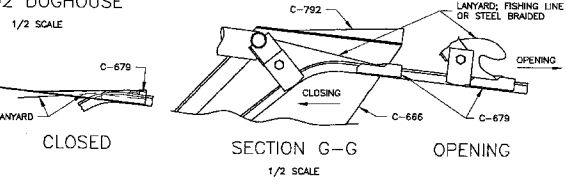
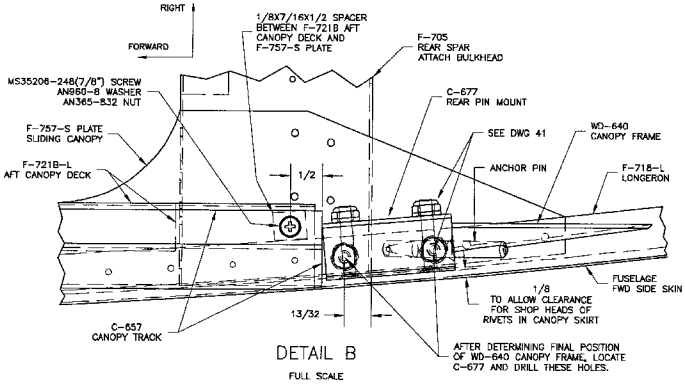
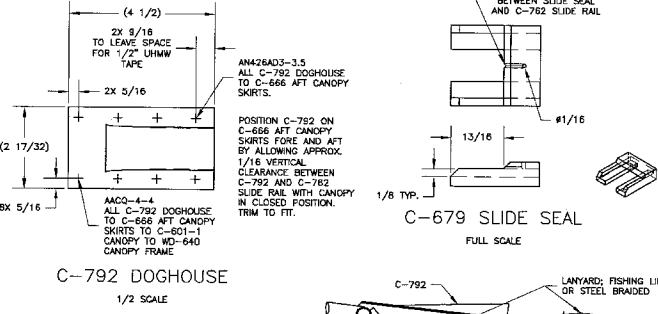
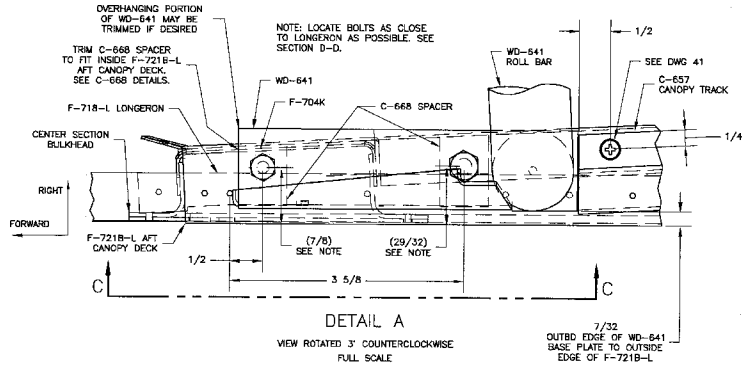
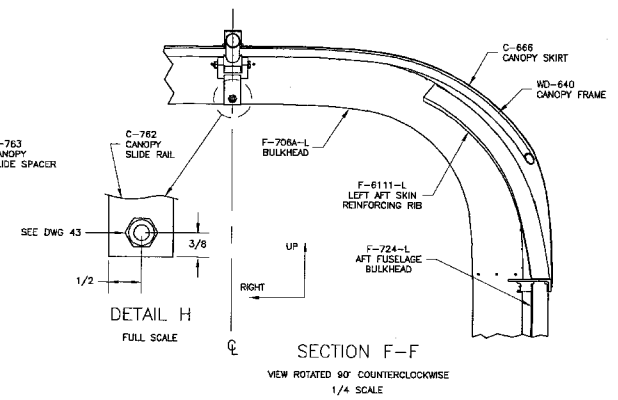
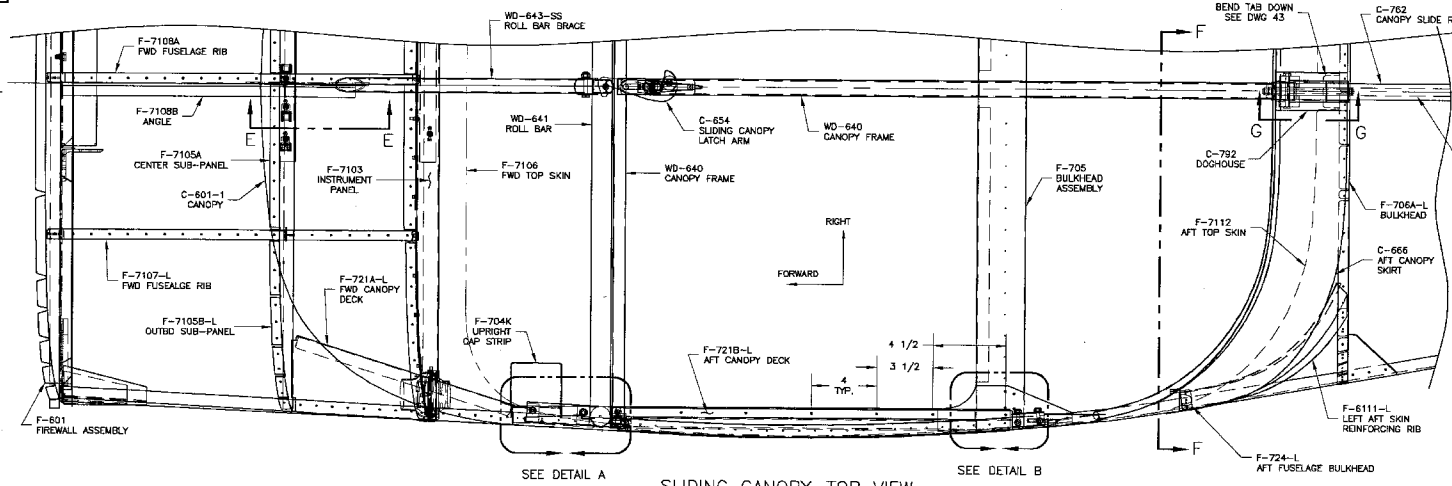


VIEW E-E FULL SCALE VIEW ROTATED 9.75° CCW



VIEW D-D FULL SCALE VIEW ROTATED 90° CCW

R2	REVISED CABIN FRAME INSTALLATION ISOMETRIC VIEW, DETAIL G, CABIN FRAME INSTALLATION SIDE VIEW, AND VIEW D-D TO SHOW F-732A AND F-732F INSTEAD OF F-632A, F-732B, AND F-732C.	14401 NE KESL RD., AIRCRAFT DR. 97002 USA
R1	ZONE E4: "56 13/16" WAS "56 7/32" 2/24/03	
DELETED VIEW F-F		12/2/04
TIP-UP CANOPY CABIN FRAME INSTALLATION		
DATE DRAWING: 8/11/00	UNITS: INCHES	RV-7,9
DRAWN BY: KENNETH KRUEGER	SCALE: AS NOTED	D-SIZE ORIGINAL
TOLERANCES: NONE		
UNLESS OTHERWISE SPECIFIED		

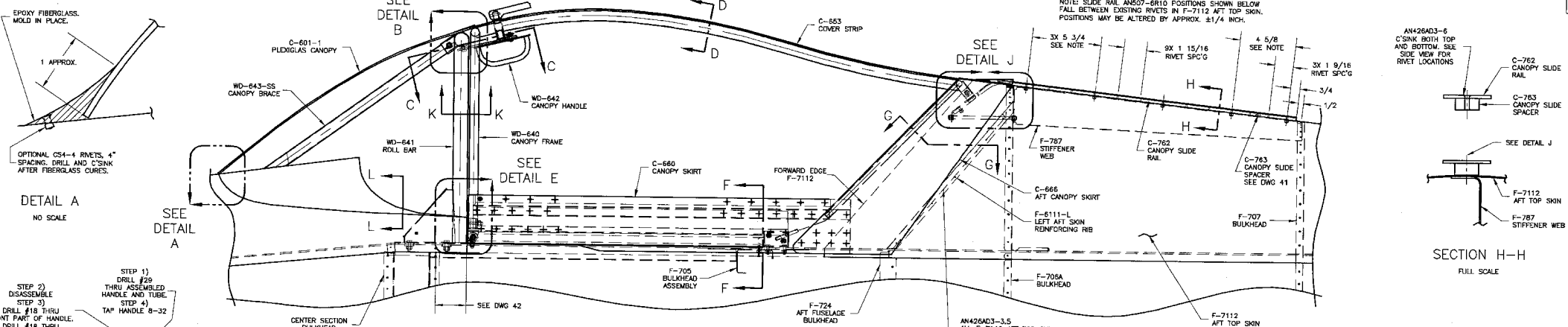


R1 ZONE D9 - DIMENSION 1/2" WAS 1 1/32", DIMENSION 10/23/01
 "3 5/8" WAS 7 9/32", ZONE 07 - DIMENSION 1/4"
 WAS 1/2".

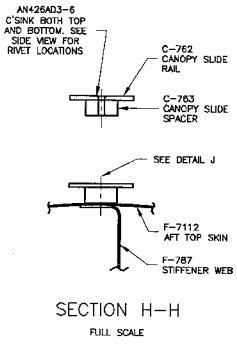
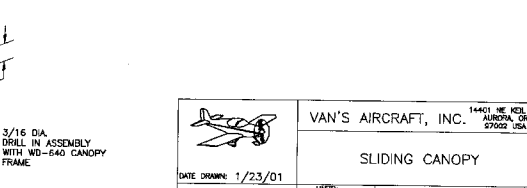
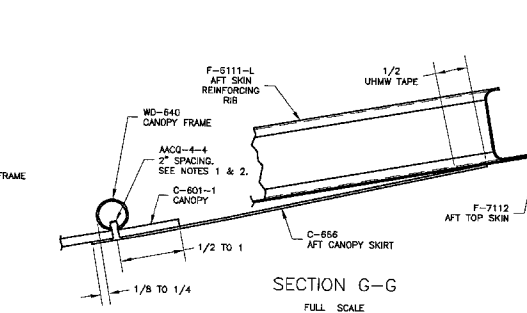
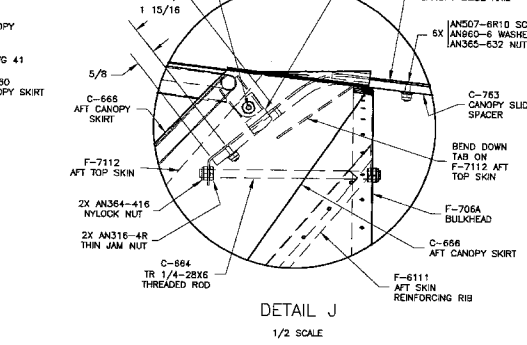
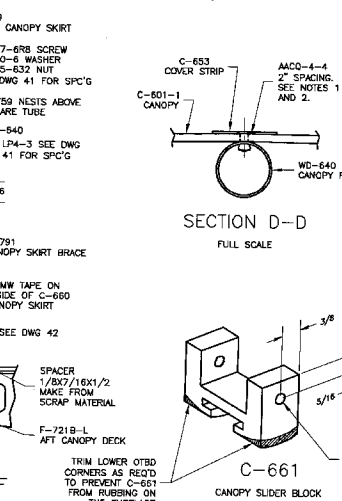
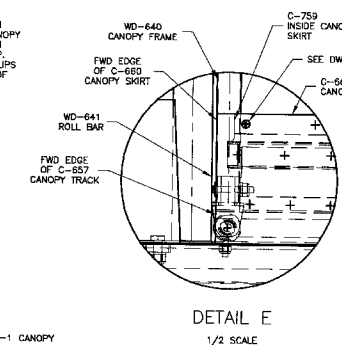
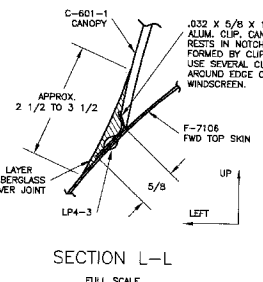
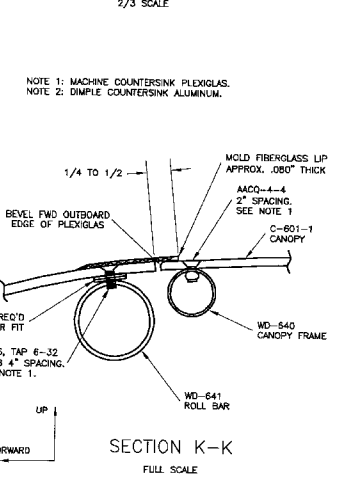
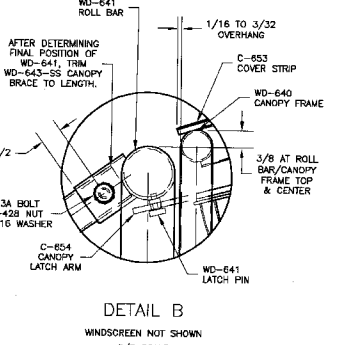
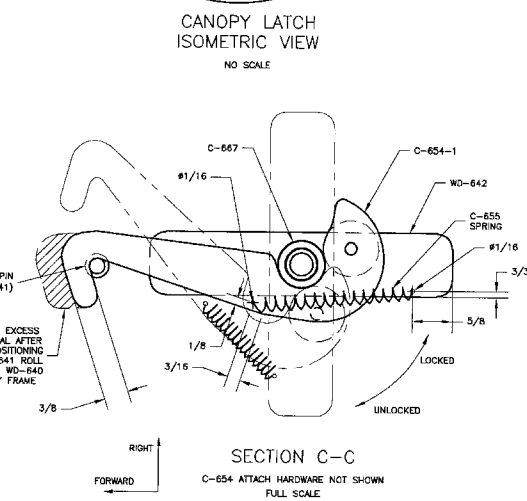
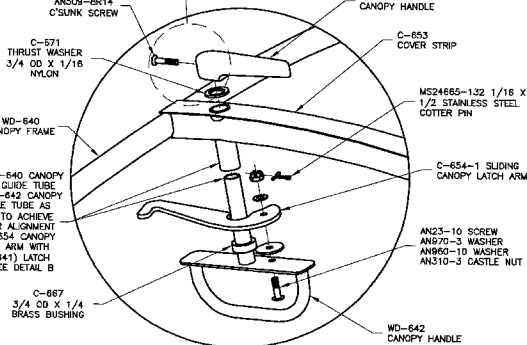
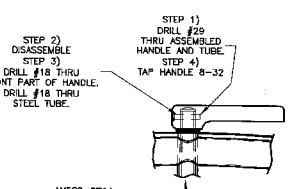
14401 REV. REV. 10/23/01
 VAN'S AIRCRAFT, INC. AURORA, ILL. 60009 USA

SLIDING CANOPY

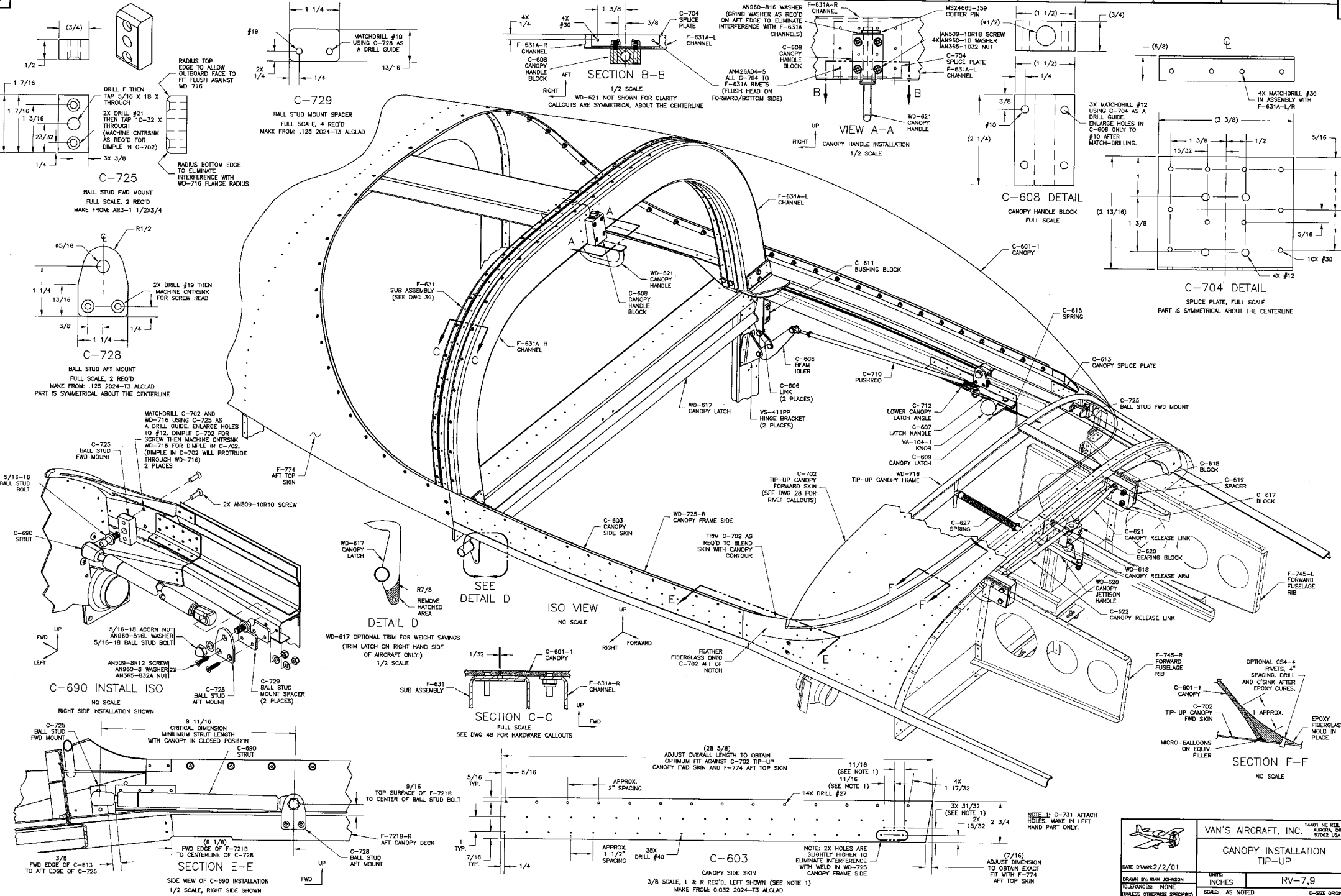
DATE DRAWN: 1/10/01
 DRAWN BY: PHILIP BRALL
 TOLERANCES: NONE
 UNITS: INCHES
 SCALE: AS NOTED
 RV-7,9
 DWG 42



DETAIL A
NO SCALE



DATE DRAWN: 1/23/01		UNITS: INCHES		DRAWN BY: PHILIP BRALL		SCALE: AS NOTED		D-SIZE ORIGINAL	
TOLERANCES: NONE		RV-79		UNLESS OTHERWISE SPECIFIED		D-SIZE ORIGINAL		DWG 43	
PATH: \\FILENAME: F:\RV-79\2 OTHER PLANS\RV79-6-43.DWG									



14401 NE KEL RD
AURORA, OR 97002 USA

VAN'S AIRCRAFT, INC.

CANOPY INSTALLATION TIP-UP

DATE DRAWN: 2/2/01

DRAWN BY: RIAN JOHNSON

UNITS: INCHES

SCALE: AS NOTED

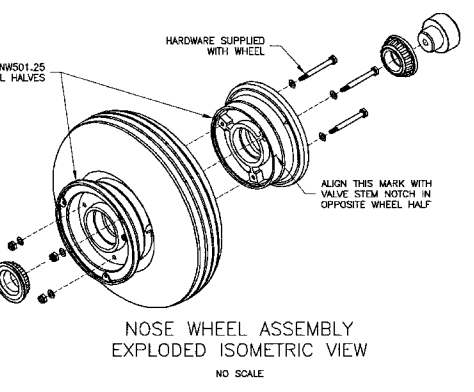
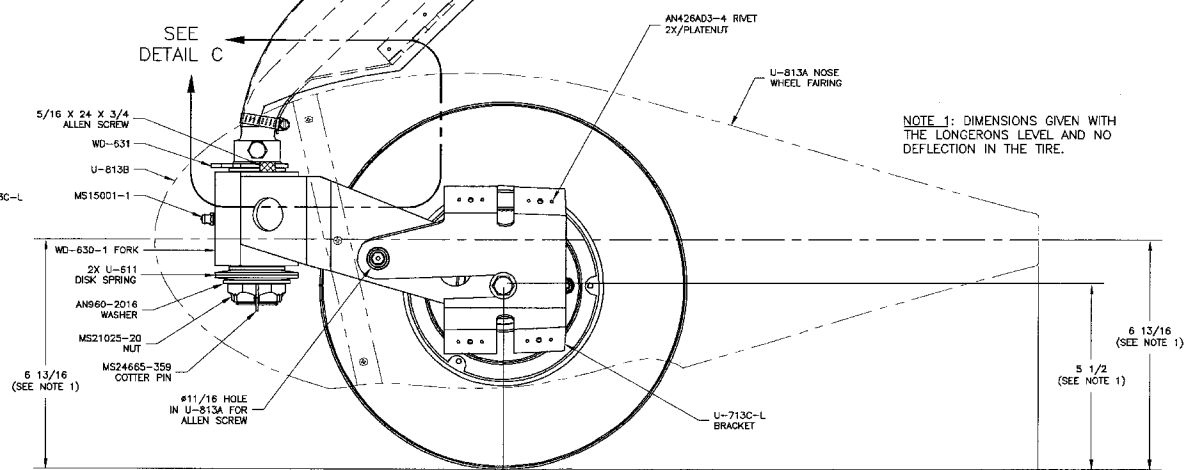
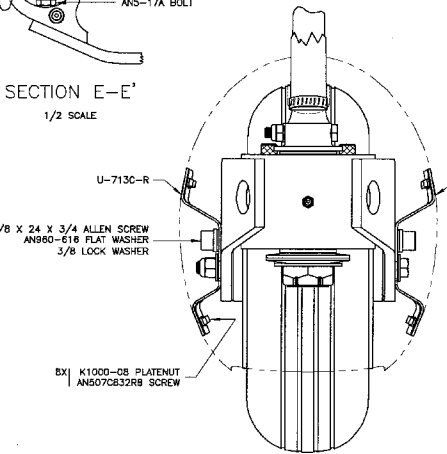
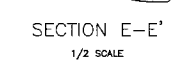
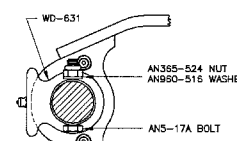
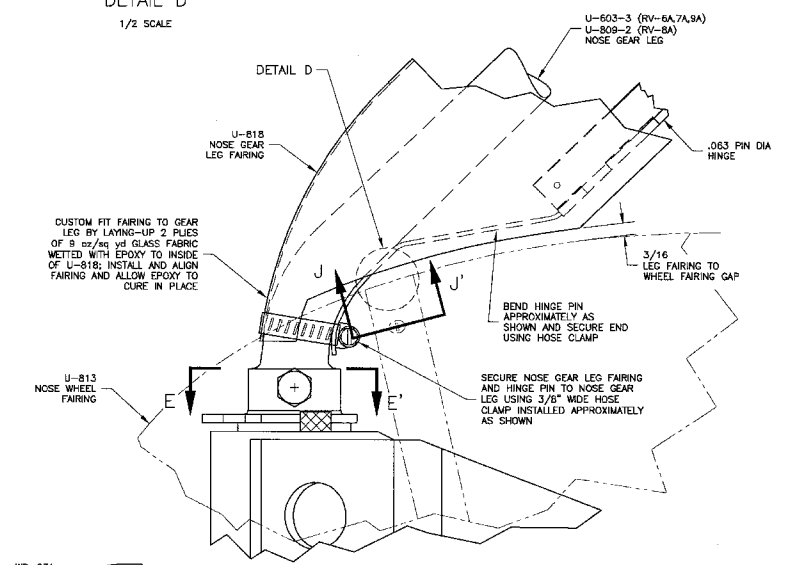
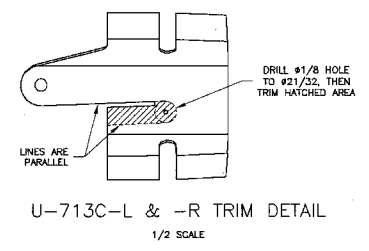
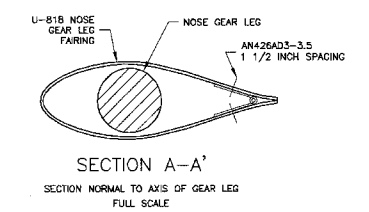
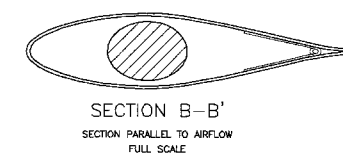
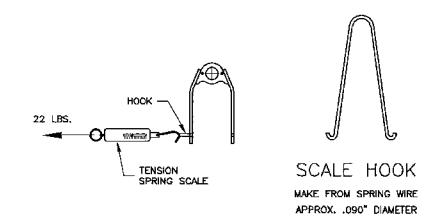
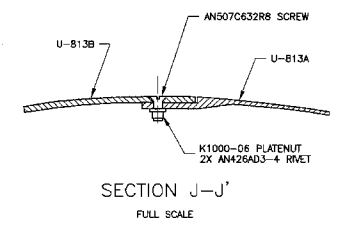
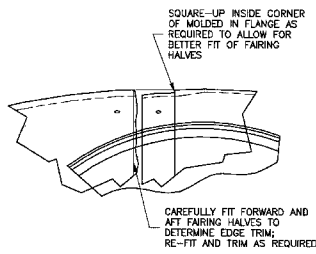
RV-7,9

UNLESS OTHERWISE SPECIFIED

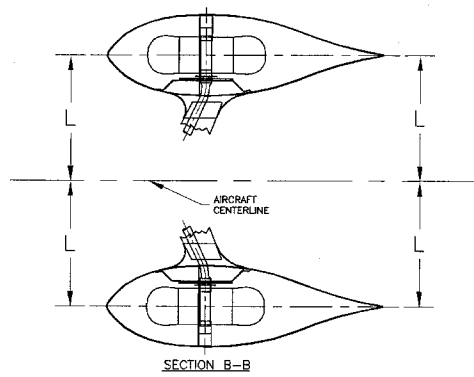
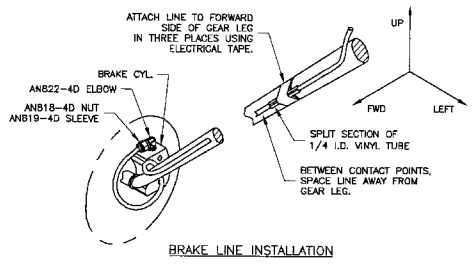
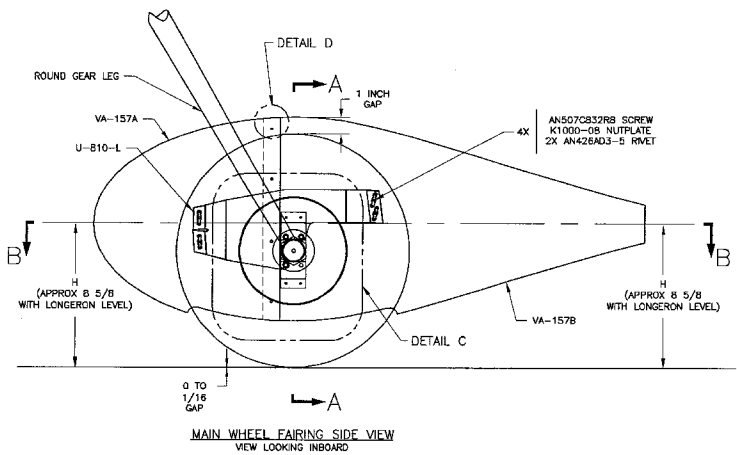
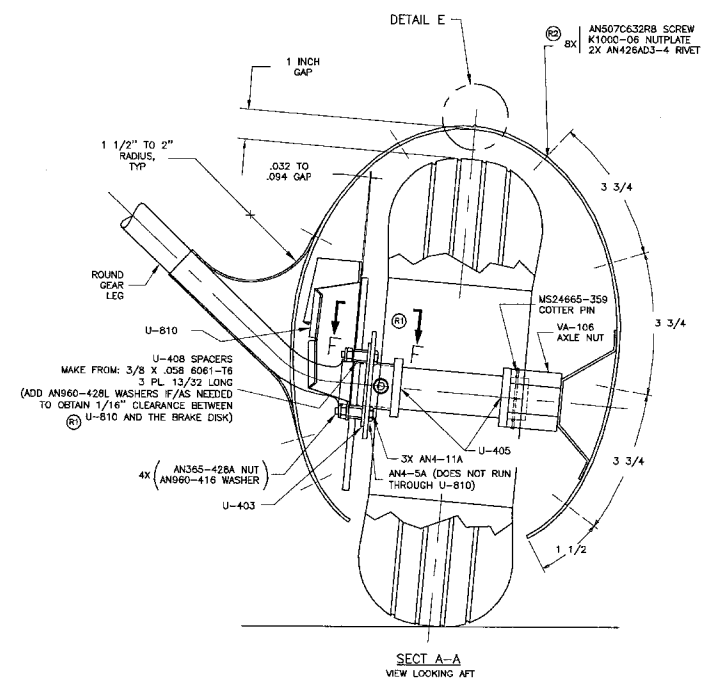
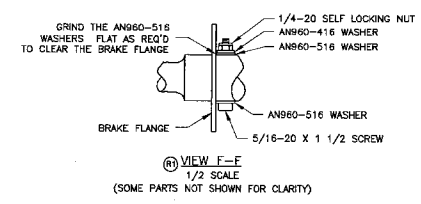
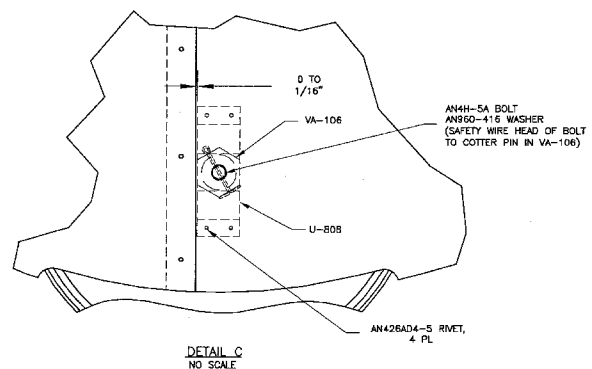
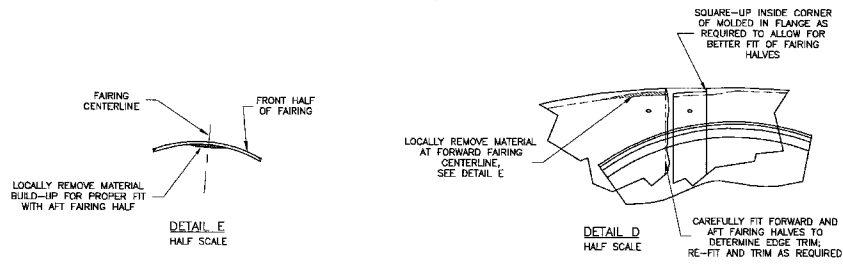
D-SIZE ORIGINAL

PART NAME: RVN-7-2 OTHER PLANS: RV-9-49 DWG

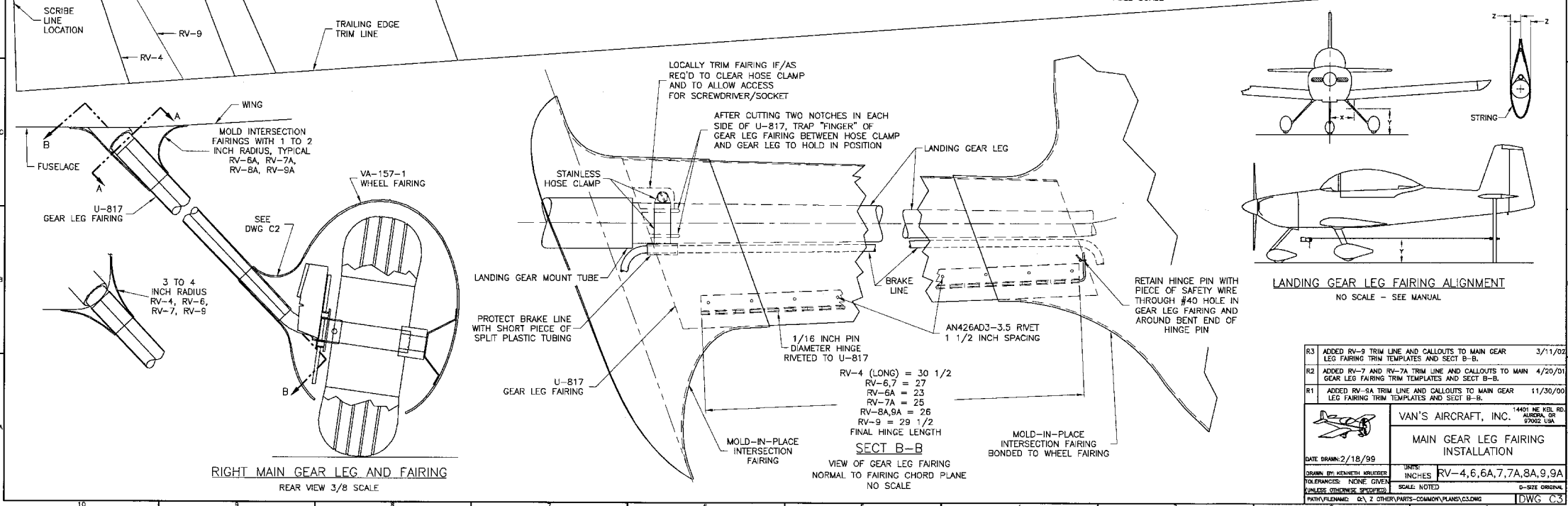
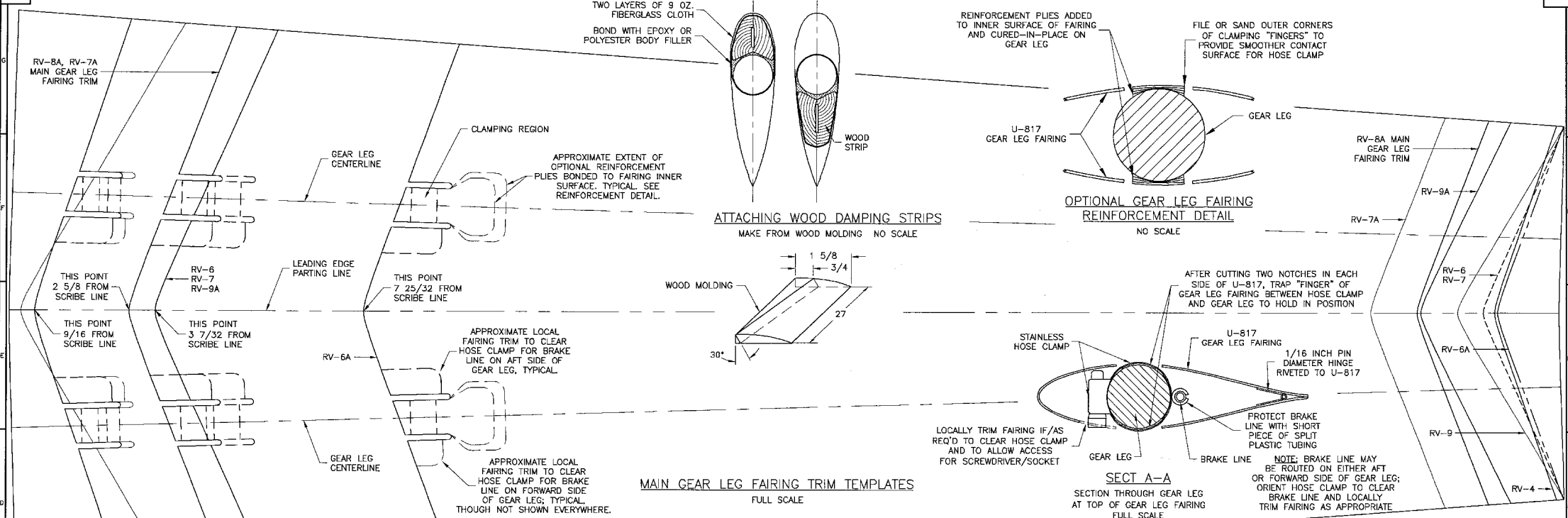
DWG 49



REVISIONS	COMPLETELY REDRAWN	DATE	12/27/04
		14401 NE KEL RD. BUNDA, OR 97002 USA	
VAN'S AIRCRAFT, INC. NOSE WHEEL, WHEEL AND GEAR LEG FAIRINGS			
DATE DRAWN	2/16/99	UNITS	RV-6A,7A,8A,9A
DRAWN BY	KENNETH KRUEGER	SCALE	AS NOTED
TOLERANCES	NONE	SCALE	AS NOTED
UNLESS OTHERWISE SPECIFIED		D-SIZE ORIGINAL	



R2	IN ZONE F5, BX WAS 7X.	11/13/00
R1	ADDED VIEW F-F; ADDED NOTE: "ADD AN860-428L WASHERS IF/AS NEEDED TO GET....."	4/17/00
14441 N.E. KELB RD. AURORA, OR 97002 USA		
VAN'S AIRCRAFT, INC.		
MAIN WHEEL FAIRING INSTALLATION		
DATE DRAWN: 2/17/99	UNITS: INCHES	RV-4, 6, 6A, 7, 7A, 8A, 9, 9A
DRAWN BY: MIAN JOHNSON	TOLERANCES: NONE (UNLESS OTHERWISE SPECIFIED)	SCALE: 1/4" EXCEPT AS NOTED D-SIZE ORIGINAL



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-6A TRIM LINE AND CALLOUTS TO MAIN GEAR LEG FAIRING TRIM TEMPLATES AND SECT B-B.	11/30/00

DATE DRAWN: 2/18/99

DESIGNED BY: KENNETH KRUEGER

TOLERANCES: NONE GIVEN

UNLESS OTHERWISE SPECIFIED

SCALE: NOTED

SIZE: ORIGINAL

14401 ME VEE RD
AUBURN, OR
97002 USA

VAN'S AIRCRAFT, INC.

MAIN GEAR LEG FAIRING INSTALLATION

DRAWING: 2/18/99

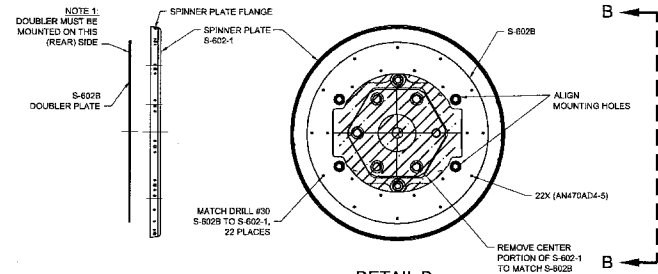
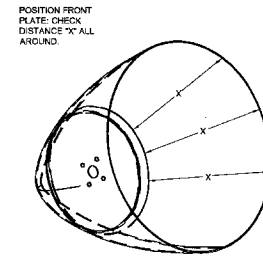
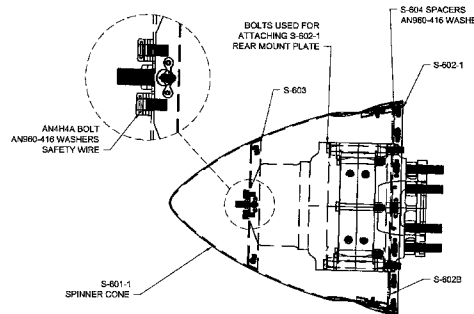
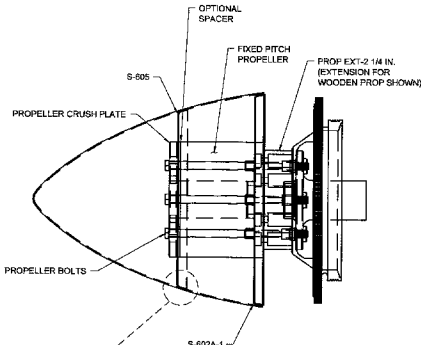
UNITS: INCHES

RV-4, 6, 6A, 7, 7A, 8A, 9, 9A

SCALE: NOTED

SIZE: ORIGINAL

DWG: C3



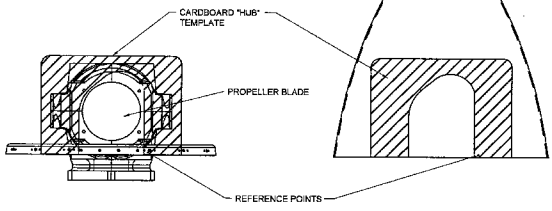
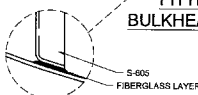
FITTING THE SPINNER CONE TO THE SPINNER BULKHEADS-FIXED PITCH WOOD PROPELLER SHOWN

FITTING THE SPINNER CONE TO THE SPINNER BULKHEADS-HARTZELL CONSTANT SPEED PROPELLER SHOWN

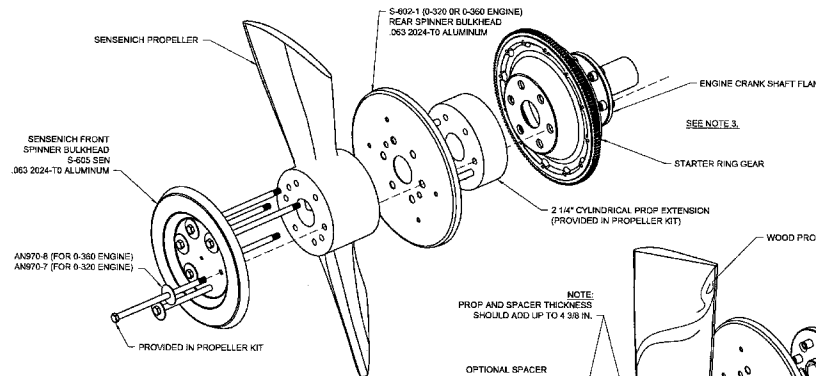
VIEW B-B

DETAIL B S-602-1 AND S-602B CUTOUT DETAIL

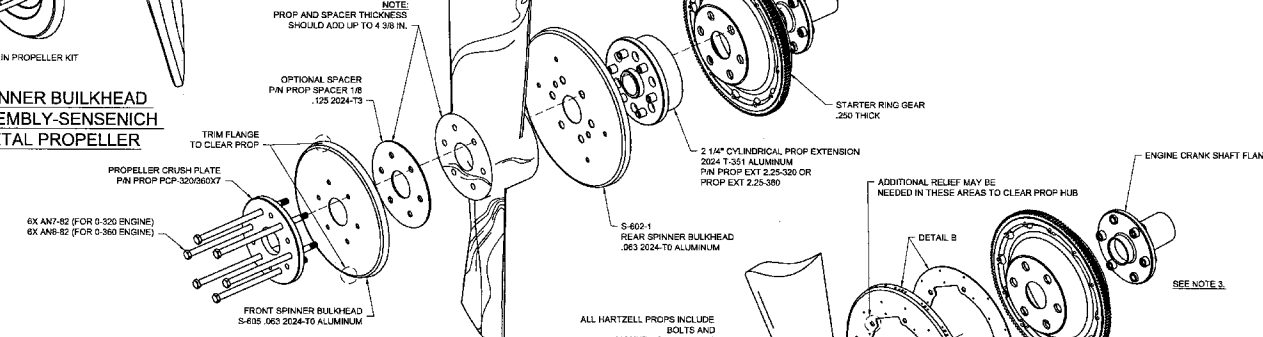
DETAIL A FIBERGLASS BUILD-UP FOR UNDERSIZED PLATE (NO SCALE)



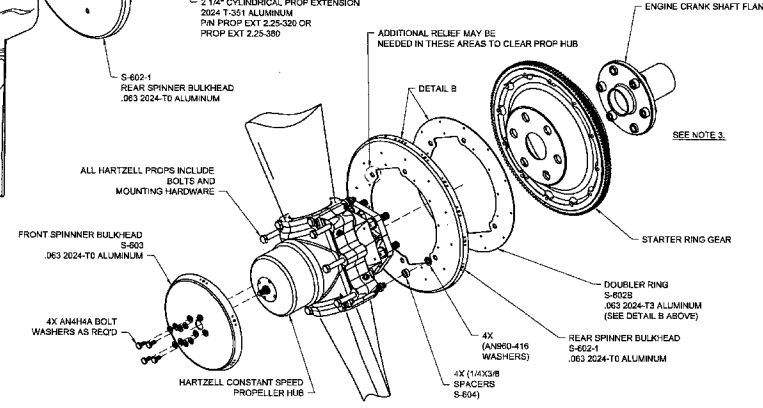
MARKING THE REFERENCE POINTS



SPINNER BULKHEAD ASSEMBLY-SENSENICH METAL PROPELLER



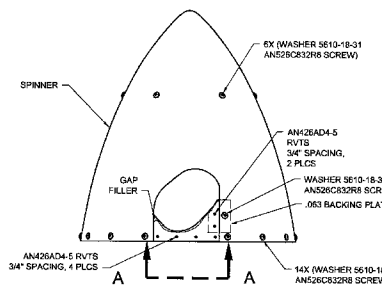
SPINNER BULKHEAD ASSEMBLY-WOOD PROPELLER



SPINNER BULKHEAD ASSEMBLY-HARTZELL CONSTANT SPEED PROPELLER

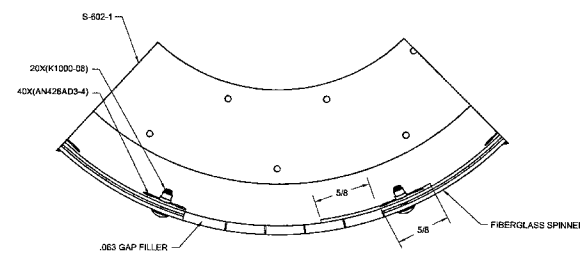
WARNING!

NOTE 3:
THE ENGINE CRANKSHAFT MUST HAVE DIFFERENT PLUGS INSTALLED FOR FIXED PITCH PROPS VS. CONSTANT SPEED PROPS. INSTALL CRANKSHAFT PLUGS PER LYCOMING SERVICE INSTRUCTION S1 1435. SEE CHAPTER 11 OF THE RV BUILDERS MANUAL.



INSTALLING FILLER PLATES BEHIND PROP BLADE

FIXED PITCH SHOWN



SECTION A-A

NOTE 2:
CHECK THAT NO INTERFERENCE OCCURS WITH THE FULL ROTATION OF THE CONSTANT SPEED BLADES.

R2 COMPLETELY REDRAWN	03/22/06
VAN'S AIRCRAFT, INC. 14403 NE METZ RD. AIRZEA, OR 97002 USA	
SPINNER	
DATE DRAWN: 03/01/06	UNITS: ALL RV'S
DRAWN BY: A. PETERSEN	SCALE: NONE
TOLERANCES: NONE	D-SIZE ORIGINAL
(UNLESS OTHERWISE SPECIFIED)	