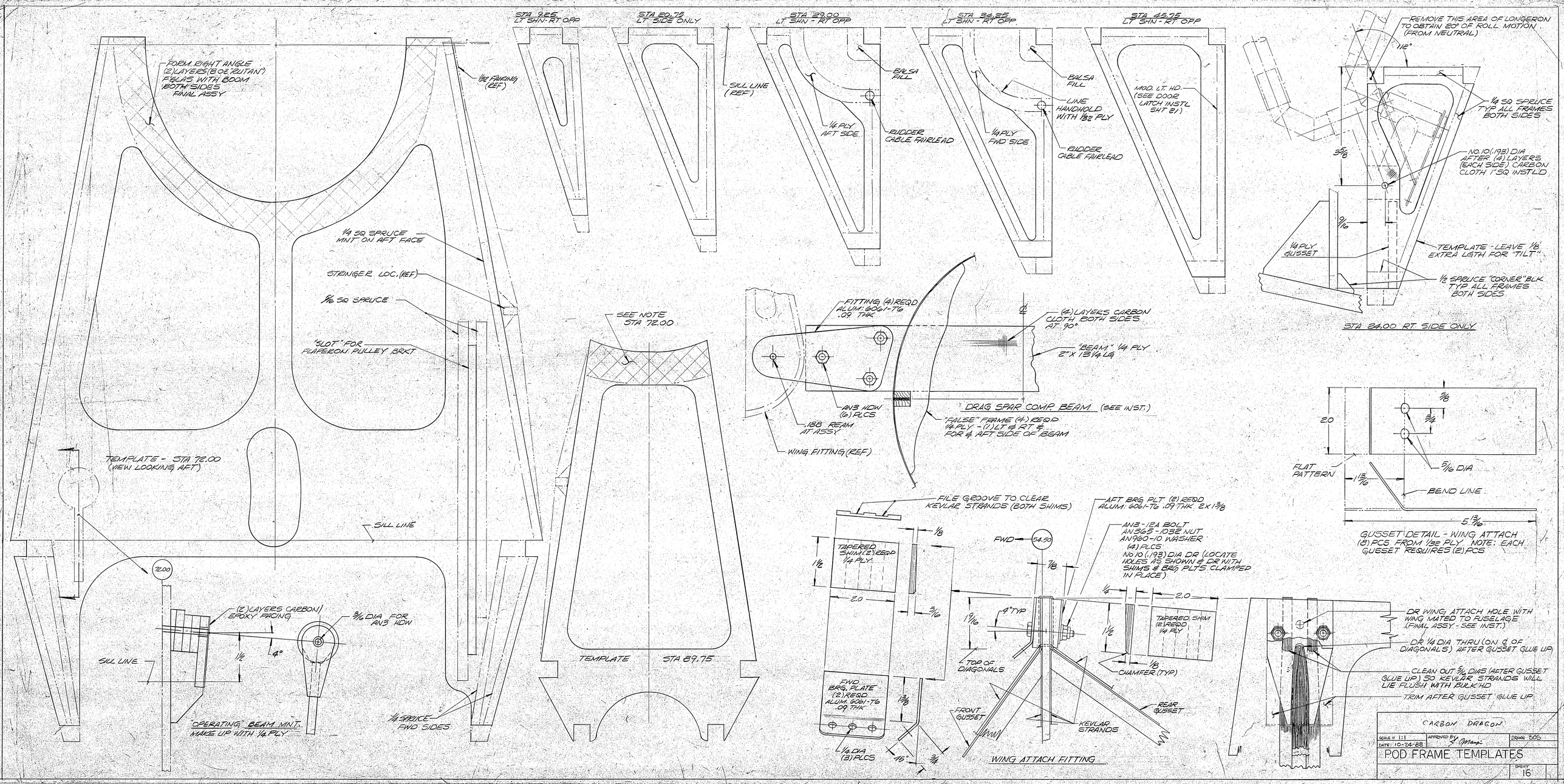
FORM RIGHT ANGLE (2) LAYERS (8 OZ. TITAN) FIGLAS WITH 800M BOTH SIDES FINAL ASSY
1/32 FAIRING (REF)
1/4 SQ SPRUCE MNT ON AFT FACE
STRINGER LOC. (REF)
5/16 SQ SPRUCE
"SLOT" FOR FLAPERON PULLEY BRKT
TEMPLATE - STA 72.00 (VIEW LOOKING AFT)
SILL LINE
72.00
(2) LAYERS CARBON/ EPOXY FACING
3/16 DIA FOR AN3 HDW
4°
1 1/2
SILL LINE
"OPERATING" BEAM MNT. MAKE UP WITH 1/4 PLY
1/4 SPRUCE FWD SIDES
STA 9.25 LT SHN - RT OPP
STA 20.75 LT SIDE ONLY
STA 29.00 LT SHN - RT OPP
STA 34.25 LT SHN - RT OPP
STA 45.75 LT SHN - RT OPP
SILL LINE (REF)
1/4 PLY AFT SIDE
BALSA FILL
RUDDER CABLE FAIRLEAD
1/4 PLY FWD SIDE
BALSA FILL
LINE HANDHOLD WITH 1/32 PLY
RUDDER CABLE FAIRLEAD
MOD. LT. HD. (SEE DOOR LATCH INSTL SHT 21)
SEE NOTE STA 72.00
TEMPLATE STA 89.75
FITTING (4) REQD ALUM: 6061-T6 .09 THK
(4) LAYERS CARBON CLOTH BOTH SIDES AT 90°
"BEAM" 1/4 PLY 2" X 1 3/4 LG
AN3 HDW (6) PLCS
.188 REAM AT ASSY.
WING FITTING (REF)
"FALSE" FRAME (4) REQD 1/4 PLY - (1) LT & RT & FOR & AFT SIDE OF BEAM
DRAG SPAR COMP. BEAM (SEE INST.)
REMOVE THIS AREA OF LONGERON TO OBTAIN 20° OF ROLL MOTION (FROM NEUTRAL)
12°
1/4 SQ SPRUCE TYP ALL FRAMES BOTH SIDES
NO. 10 (.193) DIA AFTER (4) LAYERS (EACH SIDE) CARBON CLOTH 1" SQ INSTLD
3 5/8
9/16
1/4 PLY GUSSET
TEMPLATE - LEAVE 1/8" EXTRA LGTH FOR "TILT"
1/2 SPRUCE "CORNER" BLK TYP ALL FRAMES BOTH SIDES
STA 24.00 RT. SIDE ONLY
2.0
3/8
3/4
5/16 DIA
FLAT PATTERN
1 13/16
BEND LINE
5 13/16
GUSSET DETAIL - WING ATTACH (8) PCS FROM 1/32 PLY. NOTE: EACH GUSSET REQUIRES (2) PCS
FILE GROOVE TO CLEAR KEVLAR STRANDS (BOTH SHIMS)
TAPERED SHIM (2) REQD 1/4 PLY
1/8
1 1/2
2.0
3/16
FWD BRG. PLATE (2) REQD ALUM. 6061-T6 .09 THK
1 3/8
1/4 DIA (3) PLCS
45°
3/4
FWD
54.50
3/8
AFT BRG PLT (2) REQD ALUM: 6061-T6 .09 THK 2 X 1 3/8
AN3-12A BOLT AN365-1032 NUT AN960-10 WASHER (4) PLCS
NO 10 (.193) DIA DR (LOCATE HOLES AS SHOWN & DR WITH SHIMS & BRG PLTS CLAMPED IN PLACE)
1/4
2.0
4° TYP
1 9/16
1 1/2
TAPERED SHIM (2) REQD 1/4 PLY
1/8
CHAMFER (TYP)
TOP OF DIAGONALS
FRONT GUSSET
REAR GUSSET
KEVLAR STRANDS
WING ATTACH FITTING
DR WING ATTACH HOLE WITH WING MATED TO FUSELAGE (FINAL ASSY - SEE INST.)
DR 1/4 DIA THRU (ON ℄ OF DIAGONALS) AFTER GUSSET GLUE UP
CLEAN OUT 5/16 DIAS (AFTER GUSSET GLUE UP) SO KEVLAR STRANDS WILL LIE FLUSH WITH BULKHD
TRIM AFTER GUSSET GLUE UP
CARBON DRAGON
SCALE = 1:1
DATE: 10-24-88
APPROVED BY
DRAWN BOB
POD FRAME TEMPLATES
SHEET 16