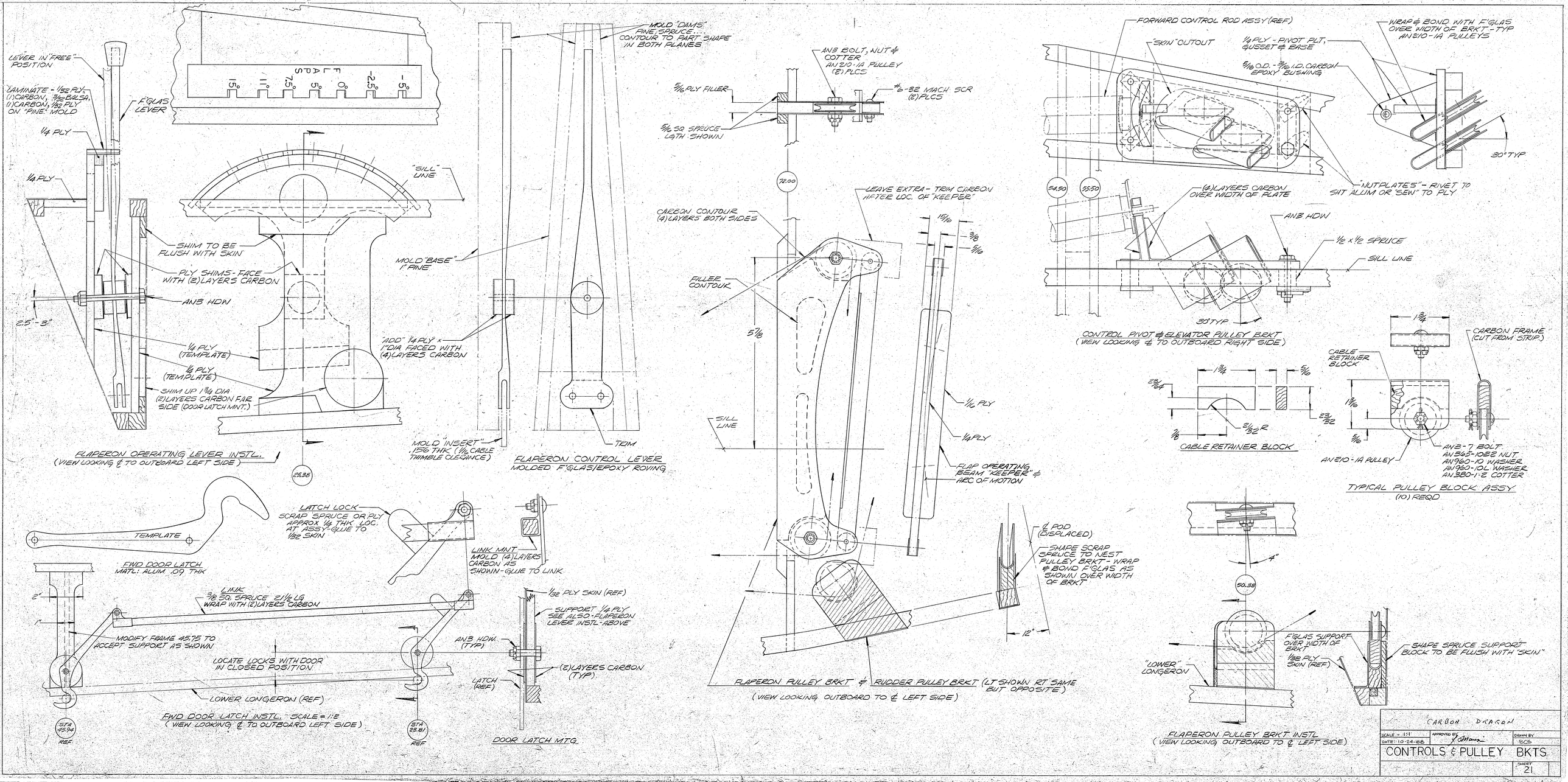
LEVER IN "FREE" POSITION
LAMINATE - 1/32 PLY (1) CARBON, 3/32 BALSA, (1) CARBON, 1/32 PLY ON "PINE" MOLD
F'GLAS LEVER
1/4 PLY
1/4 PLY
FLAPS
15° 11° 7.5° 5° 0° -2.5° -5°
"SILL" LINE
SHIM TO BE FLUSH WITH SKIN
PLY SHIMS - FACE WITH (2) LAYERS CARBON
AN3 HDW
2.5° - 3°
1/4 PLY (TEMPLATE)
1/4 PLY (TEMPLATE)
SHIM UP 1 3/8 DIA (2) LAYERS CARBON FAR SIDE (DOOR LATCH MNT.)
"ADD" 1/4 PLY x 1" DIA FACED WITH (4) LAYERS CARBON
MOLD "BASE" 1" PINE
MOLD "INSERT" .15/16 THK. (1/16 CABLE THIMBLE CLEARANCE)
FLAPERON OPERATING LEVER INSTL.
(VIEW LOOKING ℄ TO OUTBOARD LEFT SIDE)
STA 25.38
MOLD "DAMS" PINE, SPRUCE... CONTOUR TO PART SHAPE IN BOTH PLANES
TRIM
FLAPERON CONTROL LEVER
MOLDED F'GLAS/EPOXY ROVING
AN3 BOLT, NUT & COTTER AN210-1A PULLEY (2) PLCS
#6-32 MACH SCR (2) PLCS
5/16 PLY FILLER
5/16 SQ SPRUCE LATH SHOWN
72.00
LEAVE EXTRA - TRIM CARBON AFTER LOC. OF "KEEPER"
CARBON CONTOUR (4) LAYERS BOTH SIDES
FILLER CONTOUR
5 7/16
SILL LINE
1 9/16
3/8
7/16
1/16 PLY
1/4 PLY
FLAP OPERATING BEAM "KEEPER" & ARC OF MOTION
℄ POD (DISPLACED)
SHAPE SCRAP SPRUCE TO NEST PULLEY BRKT - WRAP & BOND F'GLAS AS SHOWN OVER WIDTH OF BRKT
12°
FLAPERON PULLEY BRKT & RUDDER PULLEY BRKT (LT SHOWN RT SAME BUT OPPOSITE)
(VIEW LOOKING OUTBOARD TO ℄ LEFT SIDE)
FORWARD CONTROL ROD ASSY (REF)
"SKIN" CUTOUT
1/4 PLY - PIVOT PLT, GUSSET & BASE
5/16 O.D. - 3/16 I.D. CARBON EPOXY BUSHING
WRAP & BOND WITH F'GLAS OVER WIDTH OF BRKT - TYP AN210-1A PULLEYS
30° TYP
54.50
53.50
(4) LAYERS CARBON OVER WIDTH OF PLATE
"NUTPLATES" - RIVET TO SHT ALUM OR "SEW" TO PLY
AN3 HDW
1 1/2 x 1 1/2 SPRUCE
SILL LINE
30° TYP
CONTROL PIVOT & ELEVATOR PULLEY BRKT
(VIEW LOOKING ℄ TO OUTBOARD RIGHT SIDE)
1 3/4
5/16
23/64
2 1/32 R
7/8
CABLE RETAINER BLOCK
1 3/4
CARBON FRAME (CUT FROM STRIP)
CABLE RETAINER BLOCK
1 3/16
5/16
AN210-1A PULLEY
AN3-7 BOLT
AN365-1032 NUT
AN960-10 WASHER
AN960-10L WASHER
AN380-1-2 COTTER
TYPICAL PULLEY BLOCK ASSY
(10) REQD
TEMPLATE
FWD DOOR LATCH
MATL: ALUM .09 THK
LATCH LOCK
SCRAP SPRUCE OR PLY APPROX 1/4 THK LOC. AT ASSY - GLUE TO 1/32 SKIN
LINK MNT
MOLD (4) LAYERS CARBON AS SHOWN - GLUE TO LINK
2"
1"
LINK
3/8 SQ. SPRUCE 21 1/2 LG
WRAP WITH (2) LAYERS CARBON
MODIFY FRAME 45.75 TO ACCEPT SUPPORT AS SHOWN
LOCATE LOCKS WITH DOOR IN CLOSED POSITION
LOWER LONGERON (REF)
STA 45.94 REF
STA 23.81 REF
FWD DOOR LATCH INSTL. SCALE = 1:8
(VIEW LOOKING ℄ TO OUTBOARD LEFT SIDE)
1/32 PLY SKIN (REF)
SUPPORT 1/4 PLY SEE ALSO - FLAPERON LEVER INSTL - ABOVE
AN3 HDW. (TYP)
(2) LAYERS CARBON (TYP)
LATCH (REF)
DOOR LATCH MTG.
4°
50.38
F'GLAS SUPPORT OVER WIDTH OF BRKT
1/32 PLY SKIN (REF)
"LOWER" LONGERON
SHAPE SPRUCE SUPPORT BLOCK TO BE FLUSH WITH "SKIN"
FLAPERON PULLEY BRKT INSTL
(VIEW LOOKING OUTBOARD TO ℄ LEFT SIDE)
CARBON DRAGON
SCALE = 4:1
DATE: 10-24-88
APPROVED BY
DRAWN BY
CONTROLS & PULLEY BKTS
SHEET 21