



Com antenna omitted
see DWG 24-12-501

Rudder skin left
24-12-002

Tip rib 24-12-011

Upper hinge saddle
24-12-004
Install temporarily and
check fit of opposite skin.
Glue in with epoxy bonding
paste.

Pintle 24-12-006 align colinear
with lower pivot hole, pot in
per DWG 24-12-505.
See DWG 24-12-503 for
alignment fixture.

Trim excess off as shown.
Do final trim after bonding
skins together.

0.06" typ.
Section B-B (1:2 scale)

7/8" typ

0.83"

After closure cures, trim flange
from triangular portion, apply
2 ply 9oz BID to area marked
by gray line as shown in
Section A-A

Section A-A (enlarged)

Lead weight 24-12-013
Straighten, then wrap in
2ply 6oz f'glass tape

Center vertically in recess.
Ensure that it fits under
opposite skin, then bond
in place

36.05"

If necessary, file radius on
24-12-005 here to achieve
vertical position

Bond anchor nuts w/flox
fillet + 1 x 9oz BID (3 plcs)
per General Practices

AN3-6A
AN960-10L
MS20147-3
(3 plcs)

AN3-7A
24-13-029 11/16" washer
24-12-012 bushing
24-13-029 11/16" washer
AN960-10L
AN365-1032
(2 plcs)

Lower hinge saddle 24-12-004 Install
temporarily and check fit of opposite skin.
Glue in with epoxy bonding paste.

Cut skin on embossed trim
lines at upper and lower
saddles. If lines absent,
request template set 24-12-014

Cast flox shim between angle
and saddle as described in
General Practices

Drive angle 24-12-005
See drawing 24-12-502

Right side rudder skin (24-12-001)
omitted for clarity

Suggested cleco location for hinge
saddle installation (left side only)

Suggested cleco location
for closure alignment

HP-24 Sailplane
Drawing 24-12-500
Assembly Rudder
Scale 1:4
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