

Seat Fireblocking Checklist

Company Name: _____

Contact Name: _____

Phone: _____ E-Mail: _____

Date Sent: _____ P.O. #: _____

A/C Completion Date: _____

Aircraft Make: _____ Model: _____

S/N #: _____ Tail #: _____

Does Skandia have your permission to fabricate test specimens and issue FAA 8130-9 forms on your behalf? Yes No

Test Data is in support of:

- | | |
|---|--|
| <input type="checkbox"/> 1) Supplemental Type Certificate (STC) | <input type="checkbox"/> 2) ODA Organization Designation Authorization |
| <input type="checkbox"/> 3) Technical Standard Order (TSO) | <input type="checkbox"/> 4) Major Repair or Alteration |
| <input type="checkbox"/> 5) Field Approval | 6) Minor Repair or Alteration |
| <input type="checkbox"/> 7) Type Certificate (TC) | 8) Other |

FAA Project # (if applicable): _____

SEATING CONFIGURATION:

Number of: Single Passenger Seats _____ Double Passenger Seats _____ Divans _____
Jump-seat/Flight
Lav Seat _____ Attendant Seat (FAS) _____

Are seats New or Existing in the aircraft? _____

Aircraft seats are manufactured to either an aircraft Type Certificate or to a TSO. Re-upholstery of a seat can affect its certification basis. The modifier of the seats should check with either the Type Certificate or the TSO holder before re-upholstering the seats. The modifier may be required to do additional testing or gain additional approvals to maintain airworthiness approval.

Seat Manufacturer: _____

Are the seats being tested per: **Type Certificate** **TSO C-39B (9g)** **TSO C-127A (16g)**

IF SEATS ARE BEING TESTED TO 14 CFR 25.853 (c) IN SUPPORT OF TSO C-127A, WE WILL THEN NEED THE FOLLOWING INFORMATION: (For 16g seats ONLY).

<u>Seat Part Numbers</u>	<u>Seat Serial Numbers</u>	<u>Seat Part Numbers</u>	<u>Seat Serial Numbers</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Seat Fireblocking Checklist

All aircraft seats require flammability testing for all components of the seat (armrest, shrouds, close-out, drawers, etc.) tested in the "as installed state" per 14 CFR 25.853 (a).

SEAT COMPOSITE TESTS:	TO BE TESTED? If yes, please fill out the applicable pages 8-10		IS SKANDIA FABRICATING?	
	ARMREST	YES	NO	YES
SEAT SHROUDS	YES	NO	YES	NO
SEAT BASE	YES	NO	YES	NO

ITEMS REQUIRED TO COMPLETE FIREBLOCKING:

TEST PLAN PROCESS DOES NOT BEGIN UNTIL ALL MATERIALS AND PAPERWORK HAS BEEN RECEIVED.

- Copies of INVOICES OR PACKING LISTS providing traceability for **all** fabricating components used in production including: dress cover(s), foam(s), glue, thread, fastener, muslin, canvas, batting, and all other materials used in production cushion assembly.
- Sketch or production drawing of each different cushion assembly.
- For each different dress cover or cushion buildup: **LEATHER:** 75 square feet; or 12 pieces cut 32"x32"; or 85 sq. ft. window pane with leather close-out; or 80 sq. ft. fully encapsulated with 2" hook and loop

*** Additional charges will be assessed for receiving scrap pieces.**

FABRIC: 40" – 48" 6 yards
49" – 53" 5 yards
54" – or more 4 yards
Add ½ yard more of additional fabric for window pane dress cover close-out.

Oil Burn: All materials for oil burn must pass a vertical burn test. If you are supplying materials for an oil burn test, please provide enough material for the vertical burn test.

Extra leather or fabric may be required for composite panel testing.

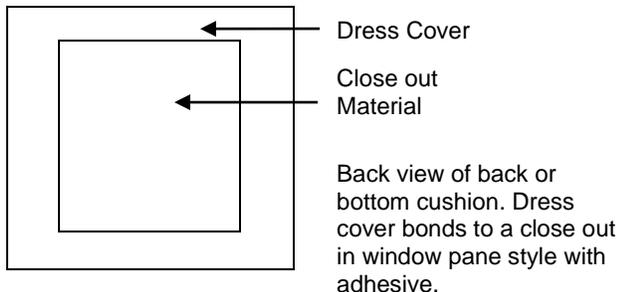
***Please Note - Testing combination dress covers as 50/50 is worse case senario**

- Is padding or batting/muslin used on seating surfaces? Yes No
If so, how is it held in place?
Glued _____ Placed _____ Stitched at Seams _____ Quilted to Dress cover _____
- If fireblocking material is being used, how is it used?
Glued on seating surface only _____ Placed on seating surface only _____
Fully Encapsulated with stitched seams _____ Fully Encapsulated with glued seams _____ Fully Encapsulated and bonded to foam _____
- You may be required to send a small quantity of your adhesive if it is not stocked at Skandia. We will make every effort to stock your glue.

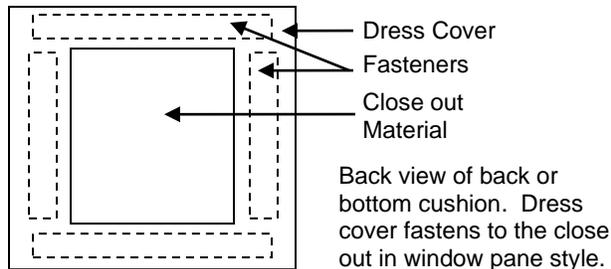
Seat Fireblocking Checklist

SEAM CLOSURE EXAMPLES

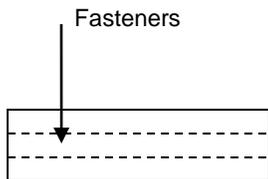
Glued Window Panel #1



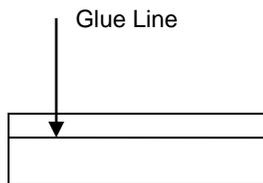
Fastened Window Panel #2



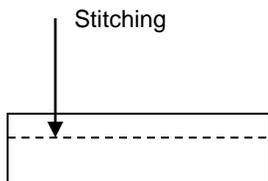
**Fastened Side Seam #3
End View**



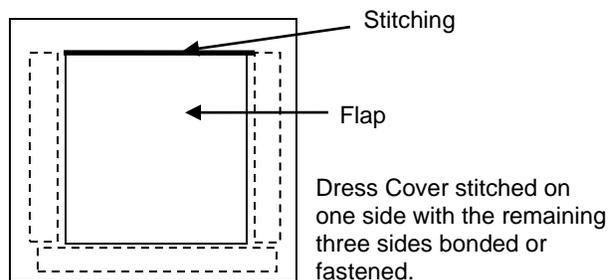
**Glued Side Seam #4
End View**



**Stitched Side Seam #5
End View**



Flap Closure #6



Seat Fireblocking Checklist

7. Seam Closure: See examples on page 3 and mark below with corresponding number.

A. Single Passenger Seat Seam Closure:

Back: _____ Bottom: _____
If "window pane", what is the close-out material? _____

B. Double Passenger Seat Seam Closure:

Back: _____ Bottom: _____
If "window pane", what is the close-out material? _____

C. Divan Seat Seam Closure:

Back: _____ Bottom: _____
If "window pane", what is the close-out material? _____

D. Lav Seat Seam Closure:

Back: _____ Bottom: _____
If "window pane", what is the close-out material? _____

E. Jump-Seat/FAS Seam Closure:

Back: _____ Bottom: _____
If "window pane", what is the close-out material? _____

F. Single Seat Headrest Closure: _____

If "window pane", what is the close-out material? _____

G. Double Seat Headrest Closure: _____

If "window pane", what is the close-out material? _____

H. Legrest/Footrest Closure: _____

If "window pane", what is the close-out material? _____

Seat Fireblocking Checklist

ITEMS REQUIRED TO COMPLETE SEAT COMPOSITE PANEL BURN TESTS FOR BUILD-UPS ON ARMRESTS, SHROUDS, SEAT BASE, CABINTRY, ETC.:

1. Copies of **INVOICES OR PACKING LISTS** providing traceability for all fabricating components including panels (Nomex, wood, aluminum, fiberglass, etc.), laminates, veneers, foam, finishes, poly coats, leather, fabric, vinyl, mirror, adhesives, flame retardants/treatments and all other materials used in production.
2. Sketch, production drawing or Composite Panel Production Build-up form of *each* different production assembly.
3. Original FAA form 8130-9 for each set of fabricated test specimens submitted.
4. 12- and 60- Second Verticals **less** than **.25"**: Woven specimens (fabric, carpet, etc.) three strips, 3"x12" cut from across the roll AND three strips, 3"x12" cut from up the roll. NON-woven specimens (leather, vinyl, plastic, foam, etc.) three strips, 3"x12". 12- and 60-second **more** than **.25"**: Woven specimens (fabric, carpet, etc.) six strips, 3"x12" cut from across the roll AND six strips, 3"x12" cut from up the roll. NON-woven specimens (leather, vinyl, plastic, foam, etc.) six strips, 3"x12".
5. Per FAA Handbook, DOT/FAA/AR-00/12 Chapter 1.0, when testing two samples per 1.6.2.4 for test specimens greater than 0.25" (6.35 mm), the recorded burn length will be from the face with the greatest burn length in accordance with section 1.6.2.9
6. Provide substructure material information. (What is the armrest or wrap around, etc. structure made of?)

SEAT FIREBLOCKING CHECKLIST MATRIX FOR PRODUCTION ARTICLES

Select the appropriate boxes, mark with an "X", and tab to next

CHECK APPLICABILITY

	VENDOR	PART NUMBER	INVOICES or PACKING SLIPS ENCLOSED	PAX SEATS	DIVAN	JUMP SEAT/ FAS	LAV SEAT	HEAD REST	FOOT REST	FLAME TRMT
DRESS COVER										
DRESS COVER										
DRESS COVER										
FOAM										
FOAM										
FOAM										
SCRIM-BACKED FOAM										
BATTING										
MUSLIN										
FIRE-BLOCKER										
ADHESIVE										
THREAD										
FASTENER										
FASTENER										
CLOSE-OUT FABRIC										
ADHESIVE/ FASTENER										
Other:										
Other:										

COMMENTS:

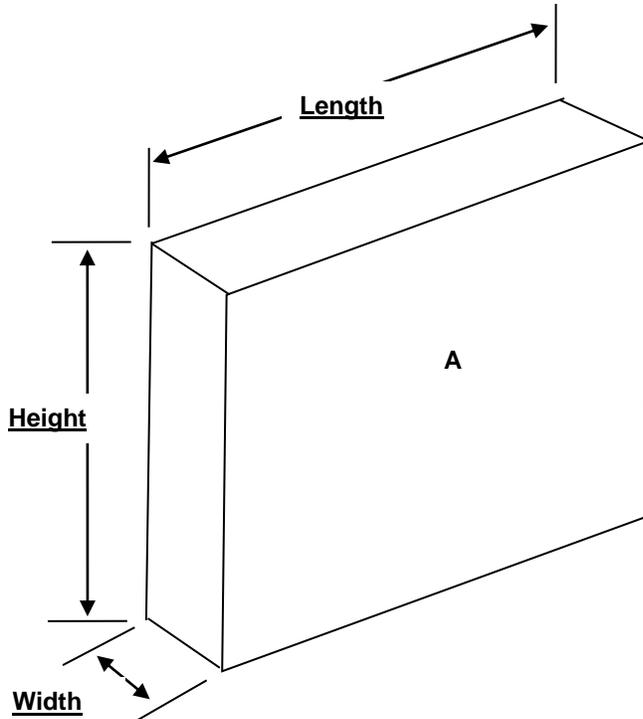
Production Cushion Build-Up

Please complete one sheet for each different cushion build-up.

7 of 10

Aircraft S/N _____

Single Back _____ Double Back _____ Divan Back _____ Headrest _____ Lav _____
 Single Bottom _____ Double Bottom _____ Divan Bottom _____ Jump-seat/FAS _____ Leg-rest _____



Length _____ Height _____ Width _____

Please insert lines to the cushion drawing above to indicate various build-up layers, and use letters below for identification purposes. Production cushion dimensions should also be provided.

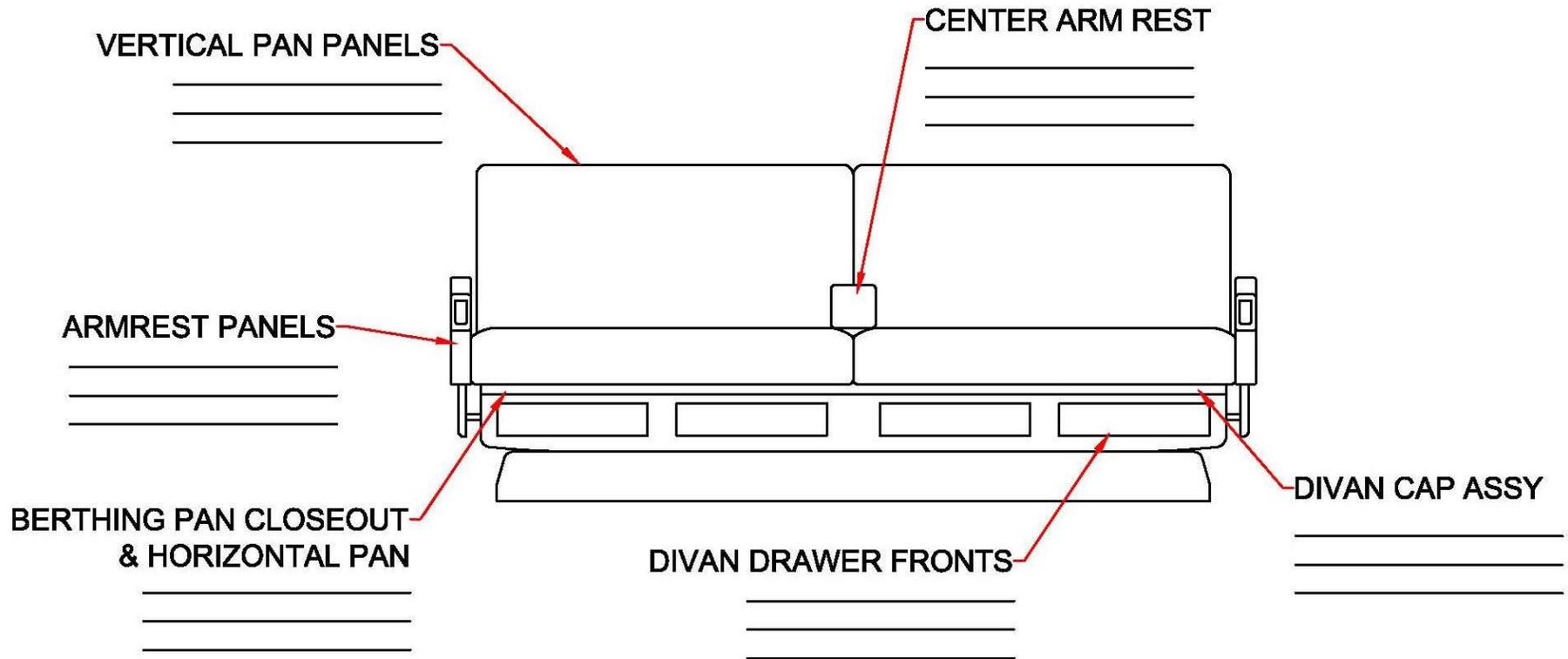
	Seat Cushion Build-up	Manufacturer and Part Number	Dimensions
A	Dress Cover		
B	Close-out Material		
C	Foam		
D	Foam		
E	Foam		
F	Foam		
G	Foam		
HH	Hook Fastener		
HL	Loop Fastener		
I	Muslin		
J	Nylon Pack Cloth		
K	Batting		
L	Aluminum/Honeycomb/Other Stiffener		
M	Other		
Adhesives:			

Back view of back and bottom view of bottom cushions. Dress cover fastens to the close out in window pane style.

Composite Panel Production Build-Up

List Substrate (if no substrate list is provided) and Foam Build-Ups - Review Note # 4 on Page 5.

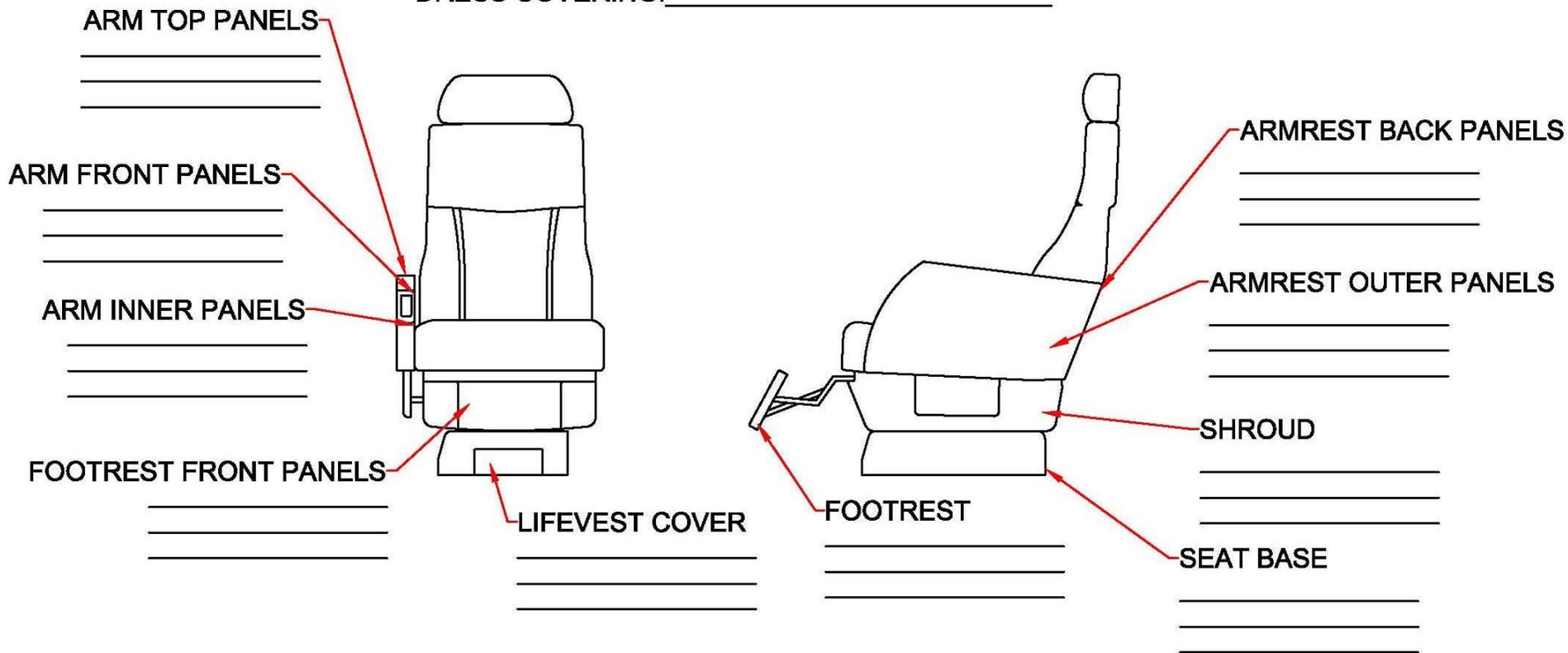
DRESS COVERING: _____



Composite Panel Production Build-Up

List Substrate (if no substrate list is provided) and Foam Build-Ups - Review Note # 4 on Page 5.

DRESS COVERING: _____



Composite Panel Production Build-Up

List Substrate (if no substrate list is provided) and Foam Build-Ups - Review Note # 4 on Page 5.

DRESS COVERING: _____

