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:

☐ 1) Supplemental Type Certificate (STC)
☐ 2) ODA Organization Designation Authorization
☐ 3) Technical Standard Order (TSO)
☐ 4) Major Repair or Alteration
☐ 5) Field Approval
☐ 6) Minor Repair & Alteration
☐ 7) Type Certificate (TC)
☐ 8) Other

FAA Project # (if applicable): _____

SEATING CONFIGURATION:

Number of: Single Passenger Seats _____ Double Passenger Seats _____ Divans _____

Jump-seat/Flight Attendant Seat (FAS) _____ Lav Seat _____

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).

Seat Part Numbers	Seat Serial Numbers	Seat Part Numbers	Seat Serial Numbers

Skandia, Inc. • 5000 N. Highway 251 • Davis Junction, IL 61020 • 815-393-4600 • 815-393-6878 fax • Info@SkandiaInc.com

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 ☐	NO ☐
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.

1. 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.

2. Sketch or production drawing of *each* different cushion assembly.

3. For each different dress cover or cushion buildup:

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

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

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**

4. 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 _____

5. 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 _____

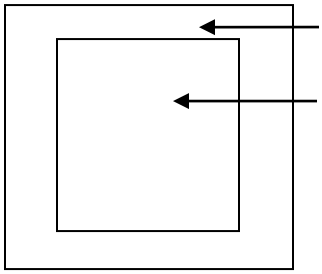
6. You may be required to send a small quantity of your adhesive if it is not stocked at Skandia. We will make every effort to stock your glue.

Skandia, Inc. • 5000 N. Highway 251 • Davis Junction, IL 61020 • 815-393-4600 • 815-393-6878 fax • Info@Skandialnc.com

Seat Fireblocking Checklist

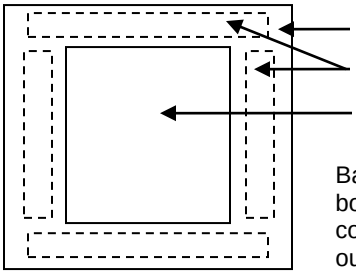
SEAM CLOSURE EXAMPLES

Glued Window Panel #1



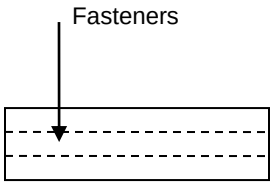
Back view of back or bottom cushion. Dress cover bonds to a close out in window pane style with adhesive.

Fastened Window Panel #2

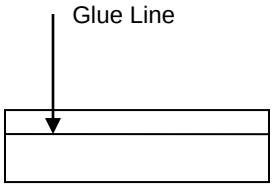


Back view of back or bottom cushion. Dress cover fastens to the close out in window pane style.

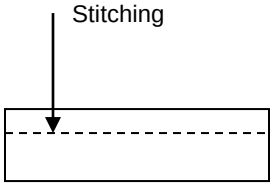
Fastened Side Seam #3
End View



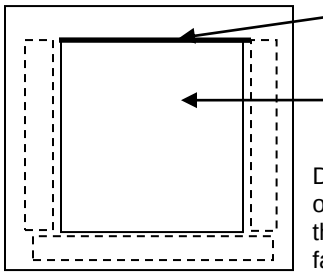
Glued Side Seam #4
End View



Stitched Side Seam #5
End View



Flap Closure #6



Dress Cover stitched on one side with the remaining three sides bonded or fastened.

Skandia, Inc. • 5000 N. Highway 251 • Davis Junction, IL 61020 • 815-393-4600 • 815-393-6878 fax • Info@SkandiaInc.com

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? _____

Skandia, Inc. • 5000 N. Highway 251 • Davis Junction, IL 61020 • 815-393-4600 • 815-393-6878 fax • Info@SkandiaInc.com

Seat Fireblocking Checklist

ITEMS REQUIRED TO COMPLETE SEAT COMPOSITE PANEL BURN TESTS FOR BUILD-UPS ON ARMRESTS, SHROUDS, SEAT BASE, CABINETRY, 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. Vertical Burn Test, 12 second: Three (3) panels fabricated to represent production usage; panels must be 3" x 12". If panels have a woven surface (i.e., fabric, carpet, etc.), three panels each of both warp and fill are required.

5. Provide substructure material information. (What is the armrest or wrap around, etc. structure made of?)

Skandia, Inc. • 5000 N. Highway 251 • Davis Junction, IL 61020 • 815-393-4600 • 815-393-6878 fax • Info@SkandiaInc.com

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:

Skandia, Inc. • 5000 N. Highway 251 • Davis Junction, IL 61020 • 815-393-4600 • 815-393-6878 fax • Info@SkandiaInc.com

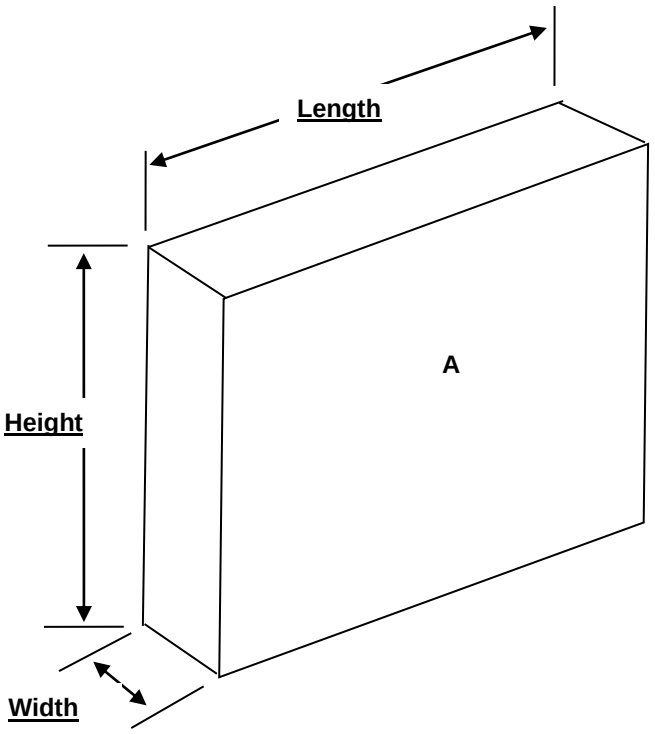
Production Cushion Build-Up

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

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:			

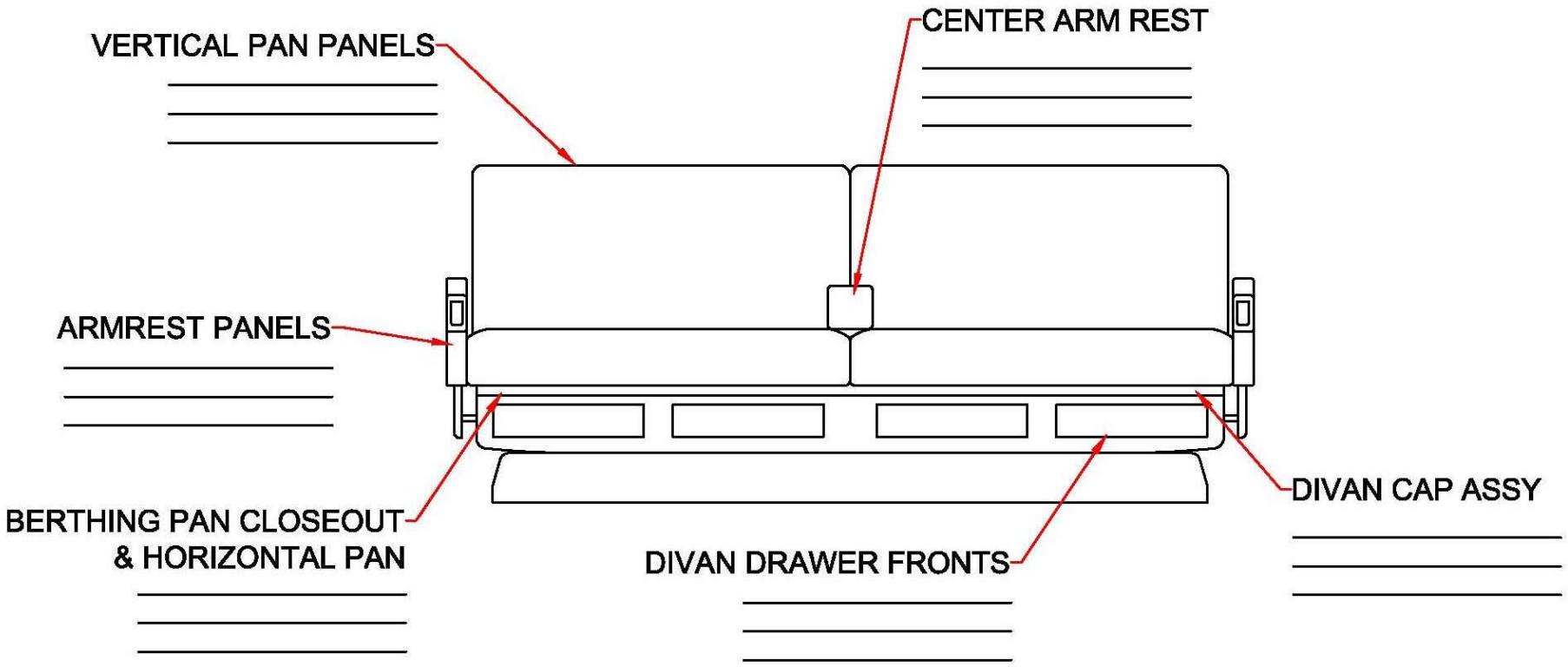
Back view of back and bottom view of bottom cushions. Dress cover fastens to the close out in window pane style.

Skandia, Inc. • 5000 N. Highway 251 • Davis Junction, IL 61020 • 815-393-4600 • 815-393-6878 fax • Info@SkandiaInc.com

Composite Panel Production Build-Up

List Substrate (if no substrate list is provided) and Foam Build-Ups

DRESS COVERING:_____

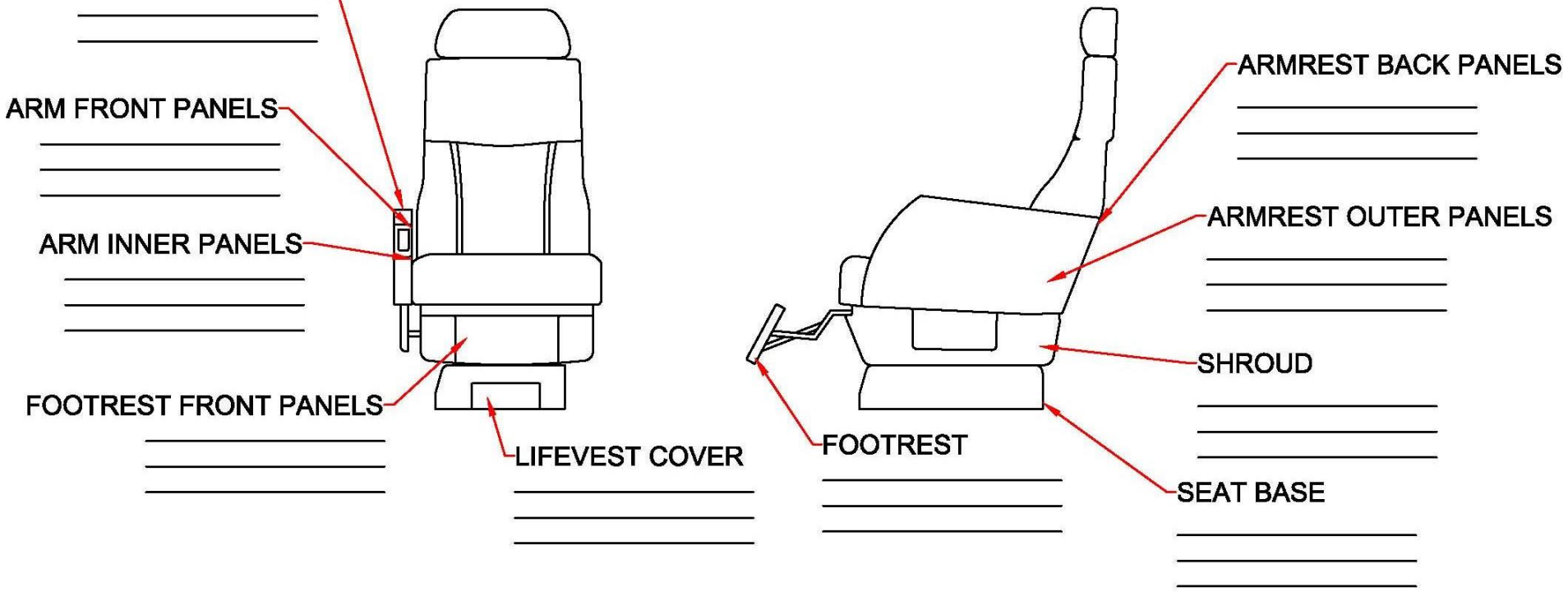


Skandia, Inc. • 5000 N. Highway 251 • Davis Junction, IL 61020 • 815-393-4600 • 815-393-6878 fax • Info@SkandiaInc.com

Composite Panel Production Build-Up

List Substrate (if no substrate list is provided) and Foam Build-Ups

DRESS COVERING:_____

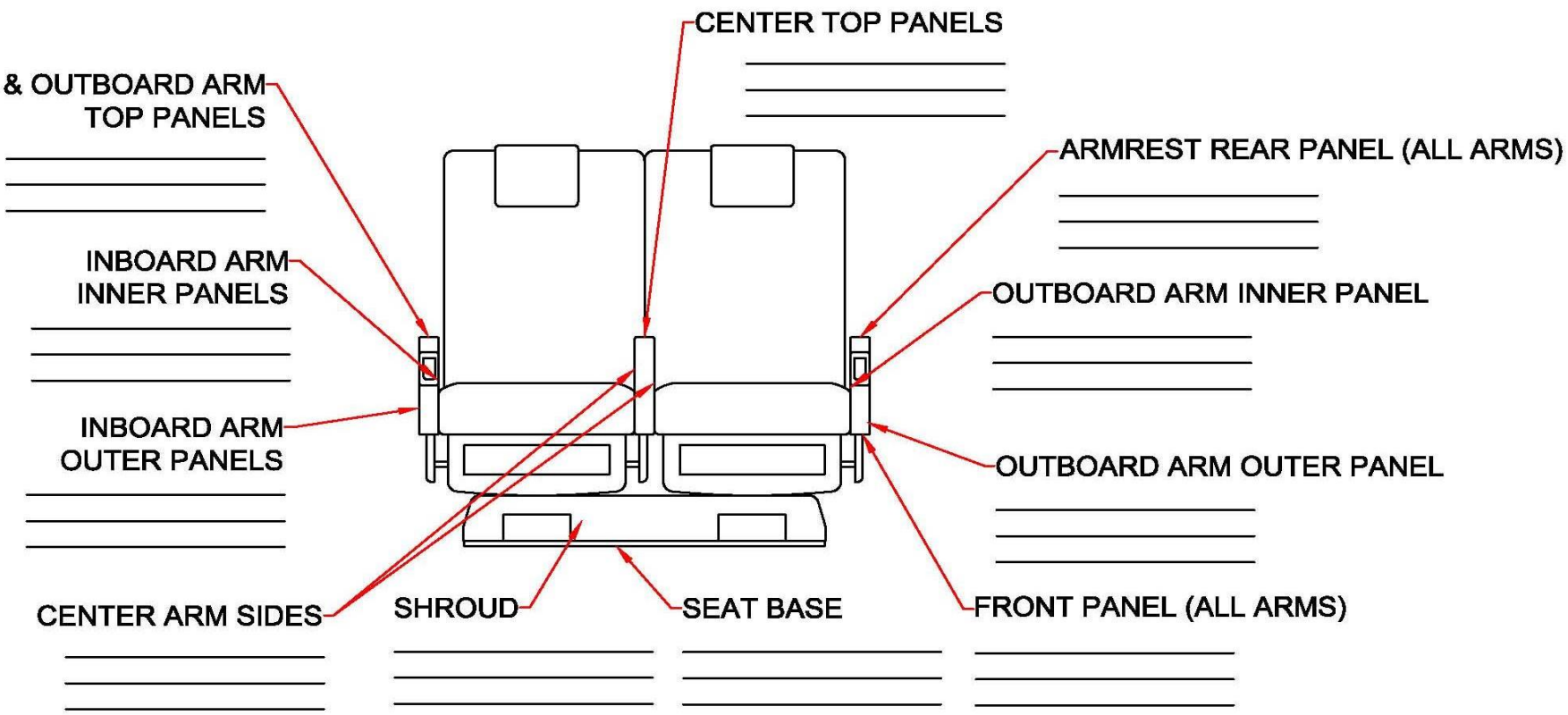


Skandia, Inc. • 5000 N. Highway 251 • Davis Junction, IL 61020 • 815-393-4600 • 815-393-6878 fax • Info@SkandiaInc.com

Composite Panel Production Build-Up

List Substrate (if no substrate list is provided) and Foam Build-Ups

DRESS COVERING:_____



Skandia, Inc. • 5000 N. Highway 251 • Davis Junction, IL 61020 • 815-393-4600 • 815-393-6878 fax • Info@SkandiaInc.com