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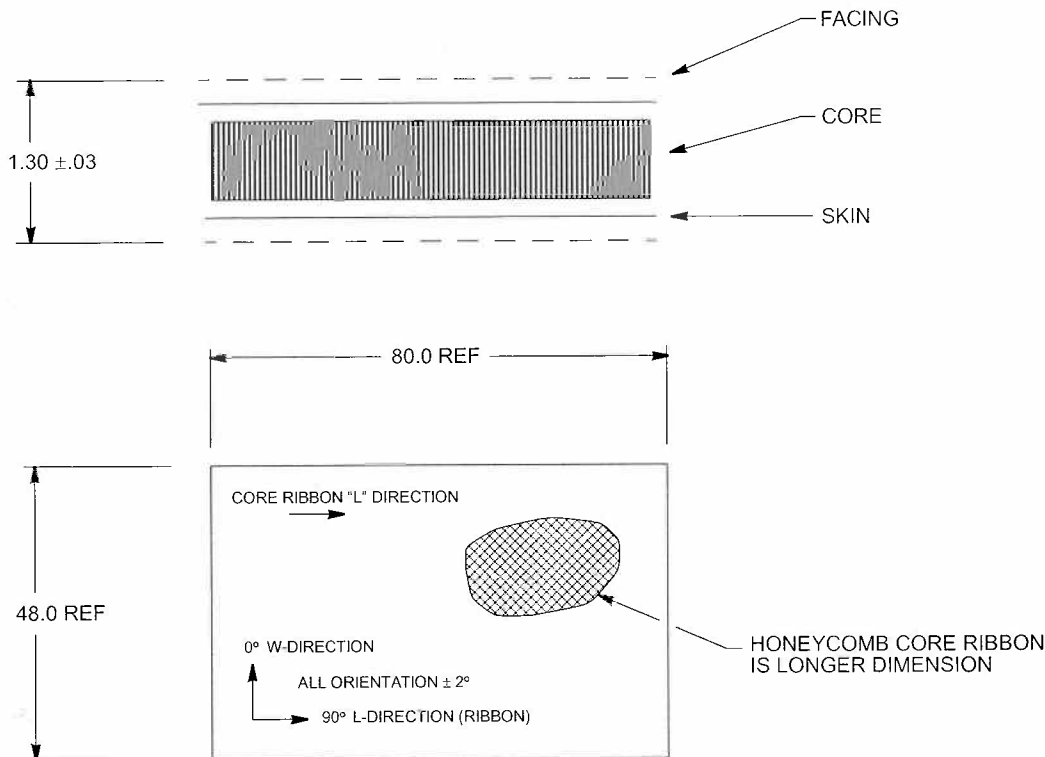
de HAVILLAND

CAGE CODE 71867

SOURCE CONTROL DRAWING

ONLY THE ITEM(S) LISTED ON THIS DRAWING AND IDENTIFIED BY VENDOR'S NAME(S), ADDRESS(ES) AND PART NUMBER(S) HAVE BEEN APPROVED FOR USE IN DE HAVILLAND AIRCRAFT. A SUBSTITUTE ITEM SHALL NOT BE USED WITHOUT PRIOR APPROVAL BY DE HAVILLAND ENGINEERING STANDARDS.

SOURCE CONTROL DRAWING



TOP SANDWICH PANEL VIEW

REQUIREMENTS:

- FACING:** SURFACING FILM EPOXY PER ATRMS109-01, TY III, CL2-A issue "D".
- SKIN:** 3 PLIES CARBON FABRIC/EPOXY FACE SHEETS FABRIC STYLE 3K-70-PW, 90° ORIENTATION, NO SPLICES, STANDARD MODULUS CARBON FIRE RETARDANT PREPREG RESIN PER ATRMS105-02, TY I, CL3-A issue "H".
- CORE:** NOMEX HONEYCOMB 5.0 PCF. 1/8" CELL PER ATRMS301-01, TY I, CL5-A ISSUE "D" (UP TO 2 CORE SPLICES PERMITTED).
THE CORE SPLICE MATERIAL MUST BE AS STRONG AS THE CORE MATERIAL ITSELF AND MUST HAVE A NEGLIGIBLE EFFECT ON SANDWICH PANEL PERFORMANCE.
- SIZE:** 48" x 80" (TOLERANCE $\pm .50$ ")

LIST OF CURRENT SHEETS

SHEET	1	2	3
REVISION	F	F	A

SEE ENGINEERING STANDARDS APPROVAL RECORD FOR ORIGINAL SIGNATURES AND CHANGE SUMMARY

DRAWN	P. LAM	PANEL BAGGAGE BULKHEAD	DSC 558
CHECKED	S. GIRI		
STRESS	A. BOTTUSSI		
APPROVED	S. CACOUTIS		PAGE 1 OF 3

(F) REVISION TABLE UPDATED, SHEETS "1", "2" & "3" HAVE BEEN RAISED AT ISSUES "F", "F" & "A" RESPECTIVELY

APPROVED: 06 FEB 2002 REV: A - 05 SEP 2002 REV: B - 19 NOV 2002 REV: C - 20 JAN 2003 REV: D - 29 APR 2011 REV: E - 15 DEC 2011 REV: F - 29 JAN 2015

DSC558 - PANEL, BAGGAGE BULKHEAD		
MATERIAL CHARACTERISTICS		DSC558-1
THICKNESS (INCH)	5 COUPONS	1.300 ±.030
WARPAGE ^(E) (48" W x 80" L x 1.30" THK) (INCH)	W DIRECTION	.037 MAX
	L DIRECTION	.148 MAX
	DIAGONAL	.185 MAX
LONG BEAM BENDING TEST PER ASTM C393 MIN INDIVIDUAL (IN-LB/IN)	L DIRECTION (SEE NOTE 3)	650 @ 20" SUPPORT SPAN, MID-POINT LOAD
SHORT BEAM SHEAR TEST PER ASTM C393 MIN INDIVIDUAL (PSI)		195 @ 4" SUPPORT SPAN, MID-POINT LOAD

NOTES:

1. PROCESS CONTROL DOCUMENT:

- (F) AAR-PS-1077(A) for Clearwater CAGE CODE 9X645
AAR-PS-1095(A) for Sacramento CAGE CODE 53H30

2. FLAMMABILITY REQUIREMENTS:

- FAR 25.853 Appendix F, Part I(a)1(i) - (60 sec. vertical) - (first article only)
FAR 25.853 Appendix F, Part I(a)2 (ii)(iii) - (45° burn) - (first article only)

3. VALUES PER TABLE ABOVE MUST BE DEMONSTRATED ON A LOT (BATCH) BASIS.

TEST ONE PANEL PER LOT MADE. TEST PANELS MUST BE MADE FROM THE SAME LOT (BATCH) OR CORE, PREPREG (IF APPLICABLE), ADHESIVES, ETC.
ANY CHANGE IN THE LOT (BATCH) WILL CONSTITUTE A NEW PANEL LOT AND WILL REQUIRE A NEW TEST PANEL.

4. QUANTITY OF 3 COUPONS IN THE RIBBON DIRECTION FOR EACH TEST.

5. SUPPLIER SHALL ISSUE A CERTIFICATE OF COMPLIANCE WITH EACH SHIPMENT.

6. THE SUPPLIER SHALL WORK TO THE REVISION LEVEL OF THE REFERENCED DOCUMENTATION ONLY.

7. THE SUPPLIER SHALL ADVISE BOMBARDIER AEROSPACE - de HAVILLAND IN ADVANCE OF ANY CHANGE OR REVISION TO REFERENCED DOCUMENTS CONTAINED IN THIS DSC THAT WOULD RESULT IN REQUALIFICATION OR RECERTIFICATION.

SEE ENGINEERING STANDARDS APPROVAL RECORD FOR ORIGINAL SIGNATURES AND CHANGE SUMMARY

DRAWN	P. LAM	PANEL BAGGAGE BULKHEAD	DSC 558
CHECKED	S. GIRI		
STRESS	A. BOTTUSSI		
APPROVED	S. CACOUTIS		PAGE 2 OF 3

DSC558 Note 1.: added: Clearwater CAGE CODE 9X645 for "AAR_PS-1077(A)"
(F) Added: Sacramento CAGE CODE 53H30 for "AAR-PS-1095(A)"

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SOURCE CONTROL DRAWING

PROCUREMENT INFORMATION:

PROCUREMENT DEPARTMENT SHALL SPECIFY THE DSC NUMBER AND THE MANUFACTURERS' PART NUMBER ON THE PURCHASE ORDER.

APPROVED SUPPLIER ADDRESS AND CAGE CODE

AAR MANUFACTURING INC.
AAR COMPOSITES

14201 MYERLAKE CIR.
CLEARWATER, FL 33760-2824
USA CAGE CODE: 9X645

Ⓐ 5307 LUCE AVE. BLDG
243 BAY E.
McCLELLAN, SACRAMENTO CA 95652
USA CAGE CODE: 53H30

SEE ENGINEERING STANDARDS APPROVAL RECORD FOR ORIGINAL SIGNATURES AND CHANGE SUMMARY

DRAWN	E. DANESH	PANEL BAGGAGE BULKHEAD	DSC 558
CHECKED	B. EDWARDS		
STRESS	A. ROSSI		
APPROVED	B. EDWARDS		PAGE 3 OF 3

Added: "5307 Luce Ave Bldg" address

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REV:

REV:

REV:

REV:

REV:

REV: A - 29 JAN 2015

APPROVED: 29 APR 2011