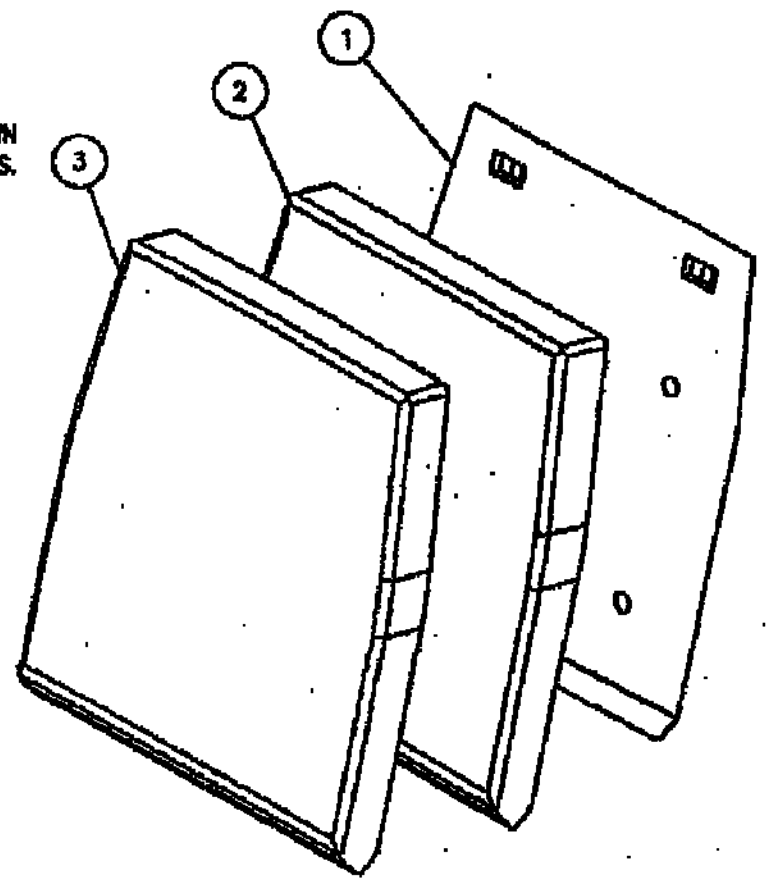


1" APPLIX #800 LOOP SEWN TO VINYL (4) EDGES.



ASSEMBLY, SEAT BACK (00)

GENERAL NOTES:

1. WMATA DRAWING WDL18113083 SUPERCEDES WDB18118166-C.
2. L18-11-3083, CHESAPEAKE SAND: NEW ASSEMBLY P/N.
3. V18-11-3083, CHESAPEAKE SAND: VENDOR REWORK P/N.
4. SAMPLES WILL BE PROVIDED FOR PRODUCTION PURPOSES.
5. FOAM BONDED TO PAN WITH K-GRIP 200 CONTACT ADHESIVE.
6. DEBURR AND REMOVE ALL SHARP EDGES AND CORNERS.
7. DIMENSION UNITS ARE INCHES [MILLIMETERS].

**CONTROLLED**

Item No.	QTY	P/N	Description	Material/Spec	Weight/Dimensions
08	1		LABEL, (DESCRIPTION, MFG, P/N)	PAINTED STENCIL OR INDELIBLE INK LABEL	>1.5" x 6"
07	2		APPLIX, 1" x 11", #800 HOOK, PAIHO R1001H-25 OR EQUAL	POLYAMIDE	
06	2		APPLIX, 2" x 7.5", #800 HOOK, PAIHO R2001H-25 OR EQUAL	POLYAMIDE	
05	4		APPLIX, 2" x 12.5", #800 HOOK, PAIHO R2001H-25 OR EQUAL	POLYAMIDE	
04	2		APPLIX, 2" x 16.5", #800 HOOK, PAIHO R2001H-25 OR EQUAL	POLYAMIDE	
03	2	020-CP0278	UPHOLSTERY, COVER, BACK CUSHION	OMNOVA PREVAIL W/PREFIXX SEE SHEET 4	
02	2	020-CP0100	FOAM, BACK CUSHION	FOAM, CHESTNUT RIDGE SAFEGUARD XL, MEDIUM DENSITY NEOPRENE	
01	2	020-CP0160	PAN, BACK CUSHION	LOW CARBON STEEL, COMMERCIAL QUALITY QUALITY IN ACCORDANCE W/ASTM A-366	.04 THK
00	1		ASSEMBLY, SEAT BACK		

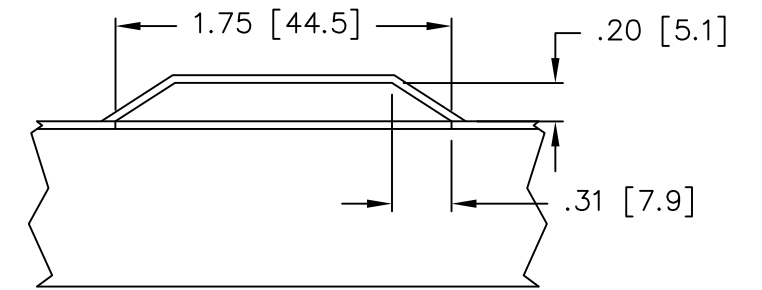
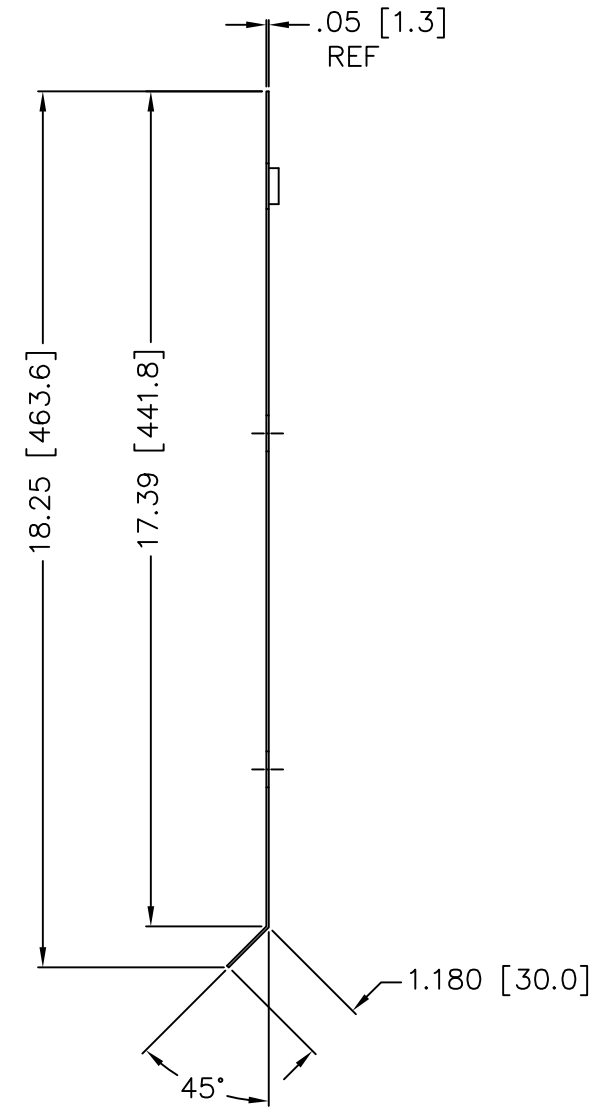
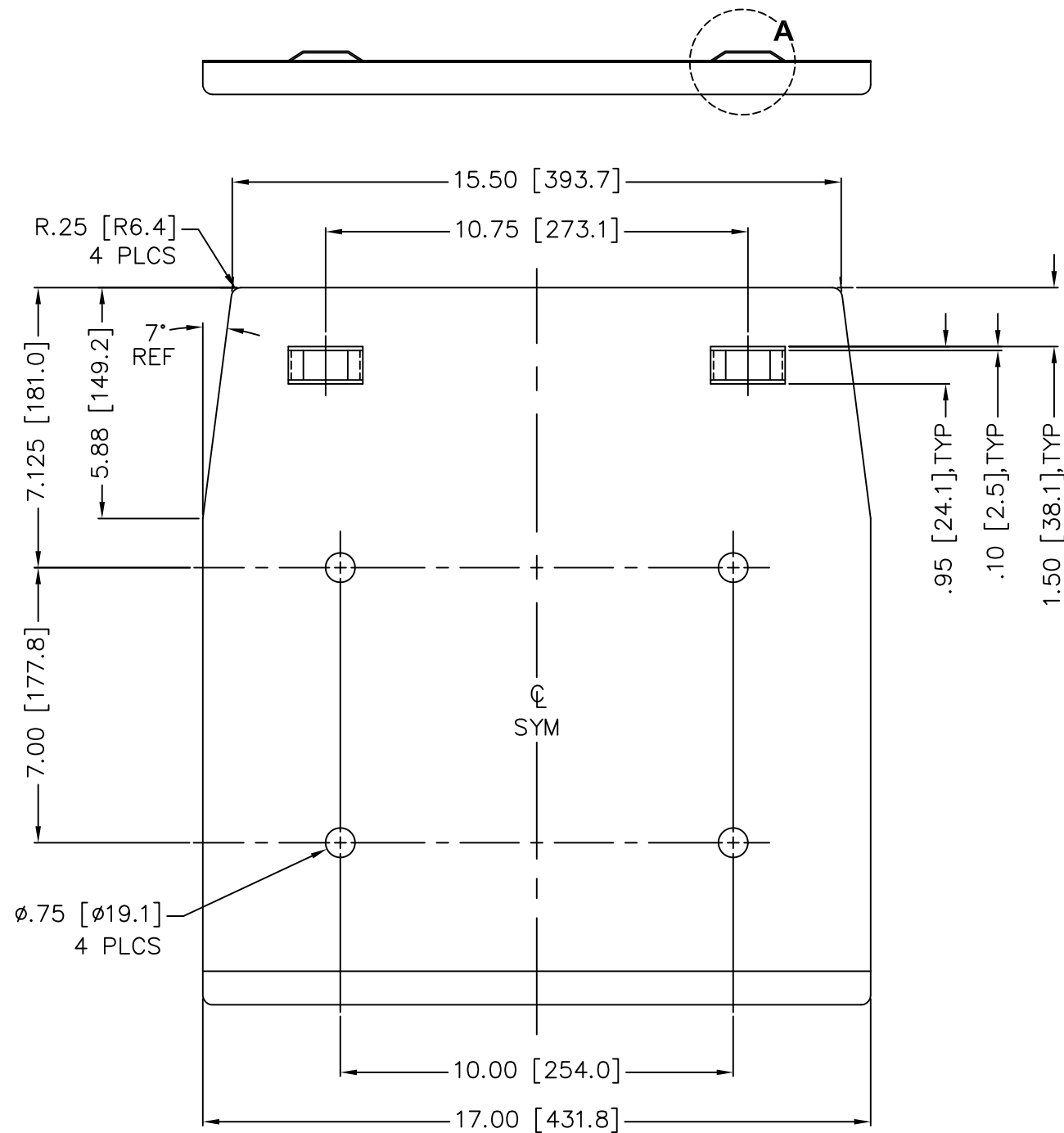
INITIAL RELEASE.	27MAR12 ALC
Description & Date	

UNLESS OTHERWISE SPECIFIED  
 FRACTIONS ±1/16"  
 DECIMALS .X  
 .XX ± .03 [.76]  
 .XXX ± .010 [.254]  
 ANGLES ±1°  
 UPHOLSTERY ±.25 [6.35]

Drawn by: Int. Date:  
 A.CREECH *ACC* 07JUN11  
 Engr. Approval: Int. Date:  
 Jeffery A. Thompson  
 Approved by: Int. Date:  
 Manuel A. Lopez

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 Sheet Size: Next Assembly:  
 B

**M** WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY  
 Title: 2K/3K & 4K SERIES ASSEMBLY, SEAT BACK, FOLD-UP CAR BODY  
 Part. No.: L18-11-3083  
 Dwg. No.: WDL18113083  
 Sheet: 1 of 4



ENLARGEMENT "A"  
SCALE: 1:1

PAN, BACK CUSHION (01)

PART IS SYMETRICAL ABOUT CENTERLINE

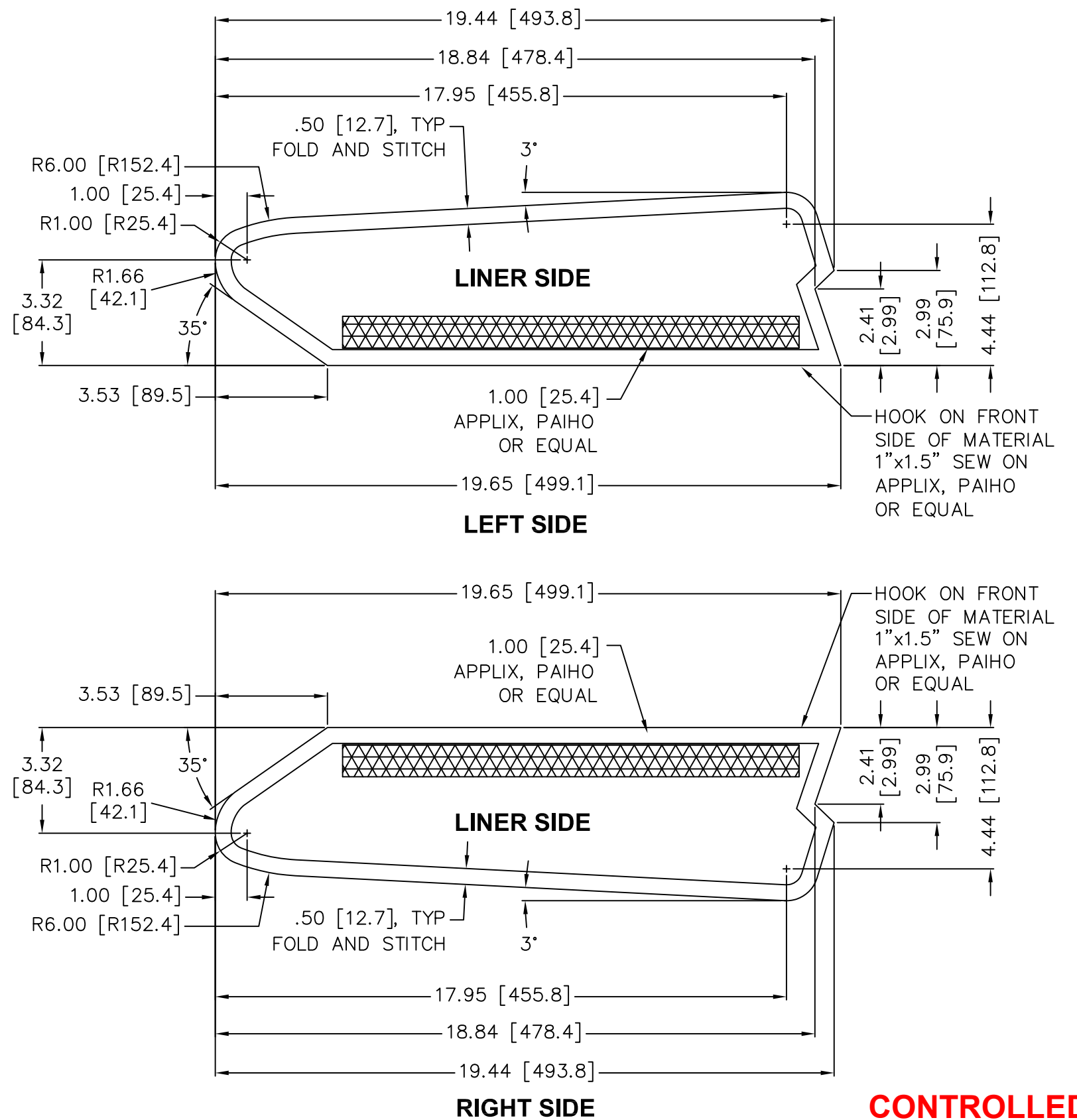
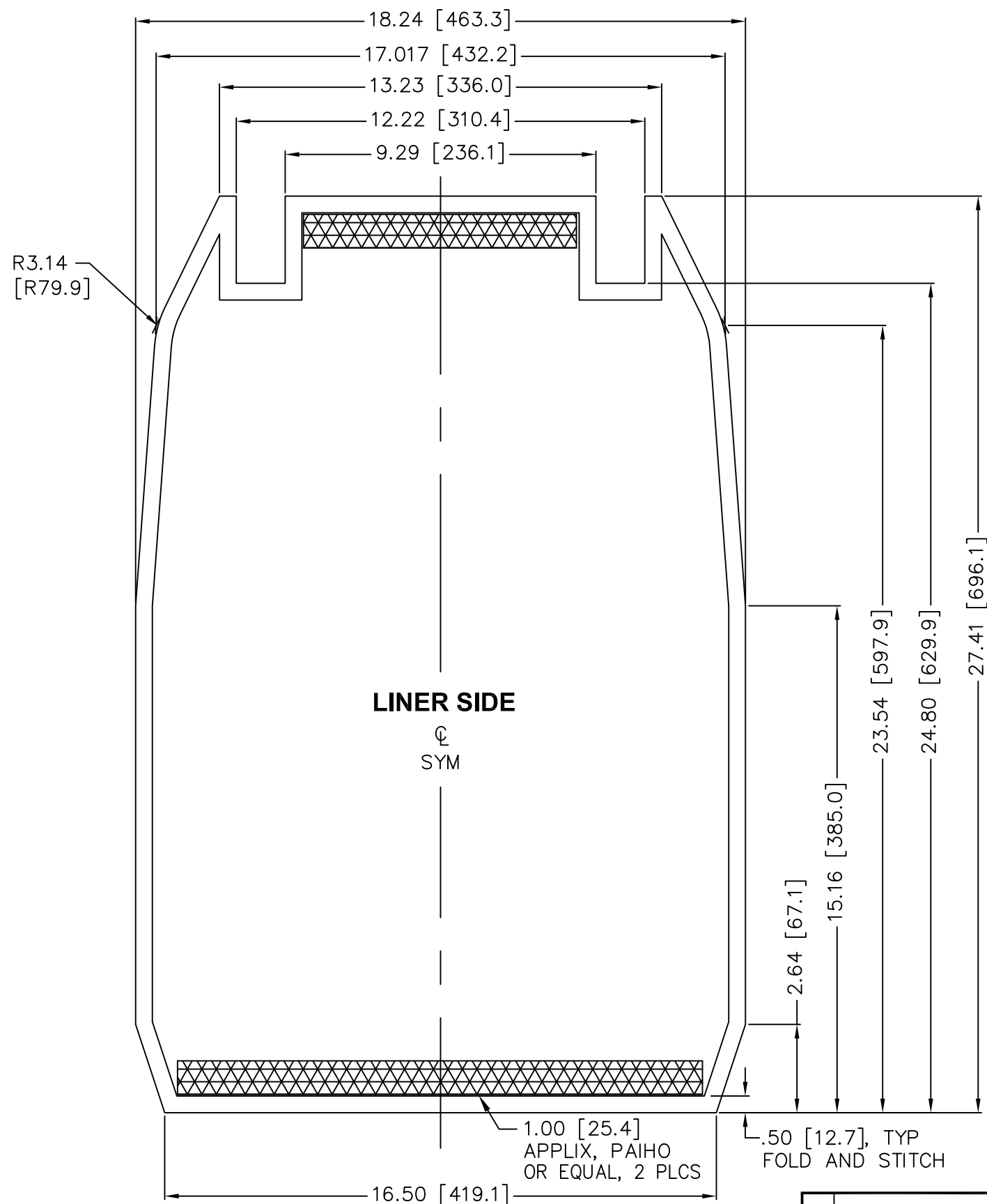
SCALE: 1:0.25

**CONTROLLED**

GENERAL NOTES:

1. PAINT: SEE APPROVED PRODUCTS SHEET 4 OF 4.
2. DEBURR AND REMOVE ALL SHARP EDGES AND CORNERS.
3. SAMPLES WILL BE PROVIDED FOR PRODUCTION PURPOSES.

UNLESS OTHERWISE SPECIFIED FRACTIONS ±1/16" DECIMALS .X .XX±.03 [.76] .XXX±.010 [.254] ANGLES ±1° UPHOLSTERY ±.25 [6.35]	Drawn by: <i>Int.</i> Date: 07JUN11 A.CREECH <i>ACC</i>	IF THIS DOCUMENT IS NOT MARKED "CONTROLLED" IN RED, THEN IT SHOULD BE USED AS REFERENCE ONLY.	WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
	Engr. Approval: <i>Int.</i> Date: Jeffery A. Thompson		
Approved by: <i>Int.</i> Date: Manuel A. Lopez	THE DESIGN, CONCEPT AND INFORMATION CONTAINED IN THIS DRAWING IS PROPRIETARY TO WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY AND MAY NOT BE REPRODUCED, USED OR DISCLOSED WITHOUT WRITTEN PERMISSION OF SAID COMPANY.	Part. No.: L18-11-3083	Sheet: 2 of 4
- INITIAL RELEASE. 27MAR12 ALC Rev. Description & Date	Undim. Wall Thk.: Undim. Radii: Undim. Edges: Scale: 1:0.25, 1:1	Sheet Size: B Next Assembly:	Dwg. No.: WDL18113083



**CONTROLLED**

UPHOLSTERY, COVER, SEAT BACK (03)

MATERIAL IS SYMETRICAL ABOUT CENTERLINE

GENERAL NOTES:

- SAMPLES WILL BE PROVIDED FOR PRODUCTION PURPOSES.

Rev.	INITIAL RELEASE.	UNLESS OTHERWISE SPECIFIED FRACTIONS ±1/16" DECIMALS .X .XX±.03 [.76] .XXX±.010 [.254] ANGLES ±1° UPHOLSTERY ±.25 [6.35]	Drawn by: <i>Int.</i> Date: A.CREECH <i>ACC</i> 07JUN11	IF THIS DOCUMENT IS NOT MARKED "CONTROLLED" IN RED, THEN IT SHOULD BE USED AS REFERENCE ONLY.	<b>M</b> WASHINGTON METROPOLITAN metro AREA TRANSIT AUTHORITY
	27MAR12 ALC				
	Description & Date	Undim. Wall Thk.: Undim. Radii:	Approved by: <i>Int.</i> Date: Manuel A. Lopez	Sheet Size: Next Assembly:	Part. No.: L18-11-3083
		Undim. Edges: Scale: 1:0.25		B	Dwg. No.: WDL18113083
					Sheet: 3 of 4

**PHYSICAL PROPERTIES, FOAM**

TENSILE STRENGTH:  
 5.0 lbf/in<sup>2</sup> MINIMUM WHEN TEST TO ASTM D-3574 TEST E.  
 ELONGATION:  
 70% MINIMUM WHEN TESTED TO ASTM D-3574 TEST E.  
 COMPRESSION:  
 SET AT 50%, 15% MAXIMUM WHEN TESTED ACCORDING TO ASTM D-1055.  
 FLEX FATIGUE:  
 THICKNESS LOSS 5% MAXIMUM WHEN TESTED ACCORDING TO ASTM D-1055.  
 TEAR STRENGTH:  
 2.0 lbf/in<sup>2</sup> MINIMUM WHEN TESTED TO ASTM D-3574.  
 INDENTATION FORCE DEFLECTION (IFD):  
 INTERIOR SEAT BACK IFD 32±8 lbf  
 INTERIOR SEAT BOTTOM IFD 42±8 lbf  
 DYNAMIC FATIGUE CONSTANT FORCE POUNDING:  
 35 MAXIMUM WHEN TESTED ACCORDING TO ASTM D-3574-95 TEST 13 80,000 CYCLES,  
 IFD LOSS AT .40% DEFLECTION.  
 RESILIENCY:  
 25% MINIMUM WHEN TESTED ACCORDING TO ASTM D-3574-95, TEST H

**SMOKE, FLAME AND TOXICITY REQUIREMENTS**

ASTM D-3675 Is ≤25  
 ASTM E-662 Ds (1.5) ≤100  
 ASTM E-662 Ds (4.0) ≤175  
 TOXICITY:  
 BOMBARDIER SMP 800-C.

**SEAT COVER CHARACTERISTICS**

**STITCHING**

HIGH QUALITY BONDED NYLON THREAD, LEFT TWIST, LUBED, COLORFAST OR EQUIVALENT. FIVE (5) THREADS PER INCH. BACKSTITCH >1/2" FROM SEAM ENDS INCLUDING VELCRO STITCHING.

**UPHOLSTERY**

THE SEAT UPHOLSTERY MATERIAL SHALL BE MADE OF INDUSTRIAL GRADE FABRIC-BACKED VINYL WHICH IS SUITABLE FOR USE IN THE TRANSIT ENVIRONMENT, MINIMUM WITH A WEIGHT OF 24 OUNCES PER SQUARE YARD.

**SEAT COVER CHARACTERISTICS – CONTINUED**

THE MATERIAL SHALL BE CAPABLE OF PASSING ALL OF THE FOLLOWING PHYSICAL TESTS FOR TEXTILE PRODUCT.

TEST METHOD	DESCRIPTION	CRITERIA
AATCC-1 6A	COLORFASTNESS-200 HRS	CLASS 5 (NO CHANGE)
ASTM D-751	WEIGHT	24 oz./sq.yd. (MIN.)
ASTM D-751	TENSILE STRENGTH (GRAB)	120 MD*x110 CMD** (POUNDS)
ASTM D-751	SEAM STRENGTH	95 MD*x85 CMD** (POUNDS)
ASTM D-751	TEAR STRENGTH (TONGUE)	8 MD*x8 CMD** (POUNDS)
ASTM D-751	ADHESION OF COATING (lb./2in)	6 MD*x6 CMD** (POUNDS)
ASTM D-751	BLOCKING	SCALE RATING NO. 2 MAX. (175°F-30min.)
ASTM D-1308	STAIN RESISTANCE	SCALE RATING NO. 4 MIN.
ASTM D-2097	FLEXING (30,000 CYCLES)	NO CRACKING OR FLAKING
ASTM D-4157-92	ABRASION (500,000 CYCLES)	NO WEAR THROUGH (#8 COTTON DUCK ABRADANT)
ASTM D-5733	TEAR STRENGTH (TRAPEZOID)	30 MD*x30 CDM** (POUNDS)
ASTM E-662	SMOKE GENERATION	Ds (4.0), </=200 (COATED), Ds (4.0) </=125 (UNCOATED)
FAR 25.853b	FIRE TEST	SE<10 sec. NO FLAMING DRIPPING
CFFA-6a	COLD CRACK	-20°F MIN.
TOXICITY	BOMBARDIER	SMP 800-C

MD\* – DESIGNATES MACHINE DIRECTION  
 CMD\*\* – DESIGNATES CROSS MACHINE DIRECTION  
 NOTE: THE STITCH SHALL BE LOCK TYPE IN ACCORDANCE WITH FEDERAL SPECIFICATIONS 30.1

**MATERIAL IDENTIFICATION - SEAT BACK**

**WMATA P/N**


**THREAD COLOR**

CHESAPEAKE SAND T510 SADDLE.....	L18-11-3038, B18-11-8166 V18-11-3083.....	BEIGE E NYLON TYPE 2 CLASS A VT 295E 751Q
BURGUNDY T508 SADDLE.....	N/A .....	WINE E NYLON TYPE 2 CLASS A VT295E 787Q
POTOMAC BLUE T509 SADDLE.....	N/A .....	YALE BLUE E NYLON TYPE 2 CLASS A VT295E 764Q

**APPROVED PRODUCTS**

VINYL – OMNOVA SOLUTIONS, INC.  
 FOAM – CHESTNUT RIDGE FOAM, INC  
 PAINT – **NEW** –POWDER COAT ANSI GRAY (PAS6-C001)  
**REPAIR** –POLYURETHANE SHERWIN-WILLIAMS POLANE,  
 ANSI GRAY OR EQUAL. SAND PRIOR TO PAINT.  
 HOOK-AND-LOOP FASTENER – APPLIX #800 OR PAIHO TRIHOOK

**CONTROLLED**

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	Rev.	Description & Date		Engr. Approval: Int. Date: Jeffery A. Thompson		