



Royal Canadian Mounted Police  
Gendarmerie royale du Canada

Doc. no: G.S. 1045-382  
Date: 2020-02-25

# Specification

## Skirt, Formal, Blue, Officer

This document has 14 pages including the drawings.

This document was created in English.

The document is available in English and French.

English/Anglais  
Français/French

The photograph on this page is for reference only.





## **RCMP VIEWING SAMPLE**

A viewing sample, when available, will be supplied to the successful bidder.

This will be used for the guidance of the manufacturer in all factors not covered by this specification or referred to therein. Variation from the specification may appear in the sample in which case the specification must govern.

It may be obtained from:

Royal Canadian Mounted Police  
ATTN: Uniform and Equipment Program  
(440 Coventry Road, Warehouse Building)  
73 Leikin Drive  
Ottawa, Ontario  
K1A 0R2

It will be sent “prepaid” and is to be returned “prepaid”.

The viewing sample must be returned to the RCMP in the same condition as received by the manufacturer. Lost or damaged viewing samples must be replaced by an identical item or the RCMP must be reimbursed for the cost of an acceptable replacement.

**SPECIFICATION**  
**Skirt, Formal, Blue, Officer**

**1 Definitions**

- 1.1 This specification must govern the manufacture and inspection of the Skirt, Officer, Formal, Blue. The specific item covered under this specification with stock number is as follows:
- i. 4771-100 Skirt, Formal, Blue, Officer, Special / Jupe de cérémonie bleue, officier, taille spéciale
- 1.2 This specification, pattern, drawing, viewing sample, or other information issued in connection therewith, may only be used for specific enquiries, solicitations, or orders placed on behalf of the Royal Canadian Mounted Police.
- 1.3 This specification supersedes all previous specifications for Skirt, Formal, Blue, Officer.
- 1.4 This specification has been translated into French from this original English language document.

**2 Applicable Specifications**

- 2.1 The following publications are applicable to this specification and to the issues in effect on the date of the solicitation, unless otherwise specified.
- 2.2 **Canadian General Standards Board (CAN/CGSB)**
- |                         |  |
|-------------------------|--|
| 4.2 No. 5.1-M90 (R2013) | Textile test methods – Unit mass of fabrics  |
| 4.2 No. 6-2013          | Textiles – Woven fabrics – Construction – Determination of number of threads per unit length |
| 4.2 No. 9.2-M90 (R2013) | Breaking strength of fabrics – Grab method – Constant time-to-break principle                |
| 4.2 No. 14-2005         | Textile test methods – Quantitative Analysis of Fibre Mixtures                               |
| 4.2 No. 22-2004 (R2013) | Textile test methods – Colourfastness to rubbing (Crocking)                                  |
| 4.2 No. 23-M90 (R2013)  | Textile test methods – Colourfastness to perspiration  |
| 4.2 No. 25.1-97 (R2013) | Textiles – Dimensional change in wetting   |
| 86.1-2003               | Care Labelling of Textiles   |

2.3 **General Services Administration – US Government**

**Commercial Item Description**

A-A-50199A Thread, Polyester Core, Cotton or Polyester-Covered

2.4 **American Society for Testing and Materials (ASTM)**

D3776/D3776M-09a (2017) Standard Test Methods for Mass per unit Area (Weight) of Fabric

2.5 **American Association of Textile Chemists and Colorists (AATCC)**

Test Method 8-2016 Colorfastness to Crocking: Crockmeter Method

Test Method 20A-2018 Fiber Analysis: Quantitative

Test Method 132-2013 Colorfastness to Drycleaning

Test Method 158-2016 Dimensional Changes on Drycleaning in Perchloroethylene: Machine Method

2.6 **International Standards Organization (ISO)**

7211-2:1984 Determination of number of threads per unit length

2.7 **Royal Canadian Mounted Police Specification (RCMP)**

G.S 1045-005 Cloth, Wool, Baratheia

3 **General Requirements**

3.1 The article or material covered by this specification must be free from material and manufacturing defects that may affect its appearance or serviceability. In all particulars not covered by this specification or contract documents, production must be equivalent in all respects to the pattern and viewing sample.

3.2 **Design** – The Skirt, Formal, Blue, Officer must be a formal length long skirt, fully lined with an invisible slide fastener closure and back vent. This long skirt must be constructed from material purchased from the RCMP and must conform to the finished garment measurement form, drawings, pattern, and viewing sample.

4 **Detail Requirements**

4.1 **Components**

- 4.1.1 **Shell Material** – The shell material is RCMP stock item number 9710-000, Cloth, Wool, Barathe Navy in colour and must be purchased from the RCMP.
- 4.1.2 **Lining** – The lining must be 100 % acetate, navy in colour and must meet the requirements outlined in Table I forming part of this specification. Monterey Textiles style #1931 has been known to meet the above requirements.
- 4.1.3 **Slide Fasteners** – The slide fastener must be a closed ended, invisible style slide fastener, complete with one bottom and two top stops. It must have an auto lock slider with die cast zinc pull tab and body. The tape, comprised of a polyester yarn must be a comparable colour match to the shell material. YKK CHC-26 7/16 PTY only.
- 4.1.4 **Interlining Fusible** – The interlining must be woven, 100 % cotton fusible interlining with a mass of  $85 \text{ g/m}^2 \pm 5 \text{ g/m}^2$ . It must be black in colour and must have polyamide dot coating sufficient in concentration for no delamination to occur after three commercial dry cleanings. Veratex style #201 L/S has been known to meet the requirements.
- 4.1.5 **Button – (Front Lining)** – The button must be two or four hole, 15 mm, plastic composition buttons black or dark navy similar in colour to the shell material.
- 4.1.6 **Seam and Stitching Thread** – The thread must be polyester wrap, polyester core, Tex 40, Type II of matching colour, meeting the US Government Commercial Item Description A-A-50199A.
- 4.1.7 **Hook and eye** – The hook and eye must be made of finished Black Oxide and measure 1.5 cm in length as a pair. Texfast style #W3 has been known to meet the requirements.
- 4.2 **Size and Dimensions** – The Skirt, Formal, Blue, Officer must be supplied in the sizes specified by the RCMP, to fit the body dimensions given in the special measurement form. The wearing ease must be as indicated on the finished garment measurement form. The garment components must be shaped, dimensioned and positioned in accordance with the pattern components and pattern requirements as outlined in Appendix “A”. All special made garments must include, on a label, the Name and Regimental Number of the individual listed on the measurement form.
- 4.3 **Construction**

- 4.3.1 **Stitching and Seams** – Using the specified thread, there must be no less than 3 and no more than 4 stitches per cm. All stitching must be either lockstitch or lockchain stitch. All raw edges must be serged. The beginning and ending of all stitching must be securely backstitched and tacked unless secured by other stitching. Where seaming, turning and stitching is required the edges must be properly worked out before stitching. The stitches must present a regular, even, appearance without fabric puckers and must be free from skips or other stitching malfunctions that may result from faulty machine thread tension.
- 4.3.2 **Body** – The skirt shell must be cut from the material specified in Para. 4.1.1 and lined with the material specified in Para. 4.1.2.
- 4.3.3 **Front Shell Material** – There must be two cut waist suppression darts, in the front with a finished length of 15.2 cm  $\pm$  0.5 cm positioned as per the patterns, drawings and viewing sample. All darts must be sewn securely finished on the ends and pressed open. A piece of interlining fusible as specified in Para 4.1.4, 9 cm  $\pm$  0.5 cm wide, must be applied to the inside top of the skirt shell to stabilize the waistline. The top of the skirt must have one row of lock stitching through both shell and lining, placed at 6 cm  $\pm$  0.5 cm below the top edge of skirt. The construction of the front shell must conform with to the patterns and drawing 1.
- 4.3.4 **Back Shell Material** – There must be two cut waist suppression darts, in the back with a finished length of 17.2 cm  $\pm$  0.5 cm, positioned as per the patterns, drawings and viewing sample. All darts must be sewn securely, finished on the ends, and pressed open. An invisible slide fastener as specified in Para. 4.1.3 with a finished length of 27 – 30 cm must be applied to the center back seam opening at the top of the back seam. The length of the slide fastener must be in accordance with the pattern. Care must be taken to ensure that the invisible slide fastener after construction lays flat with no puckers. A hook and eye as specified in Para 4.1.7 must be installed at the top of the slide fastener to secure the closure as per drawing 2. The lower center back of the skirt must be equipped with an overlap vent (open kick pleat), opening 58 cm  $\pm$  1 cm down from top of the skirt as identified on the pattern. The overlap vent (kick pleat) must close left over right and must be reinforced at the opening to prevent tearing of the pleat. A piece of interlining fusible, as specified in Para 4.1.4, 9 cm  $\pm$  0.5 cm wide, must be applied to the inside top of the skirt shell to stabilize the waistline. The top of the skirt must have one row of lock stitching through both shell and lining, placed at 6 cm  $\pm$  0.5 cm below the top edge of skirt. The construction of the back shell must conform with to the patterns and drawing 1.

- 4.3.5 **Front Lining** – The front lining must have two cut suppression darts located in the same position as on the shell. Both darts must be sewn securely and finished on the ends, and pressed open. There must be a button as specified in Para 4.1.5 placed centred on the front lining at 2.5 cm  $\pm$  0.5 cm below the top of skirt. The construction of the front lining must conform with to the patterns and drawing 2.
- 4.3.6 **Back Lining** – The back lining must have two cut suppression darts located in the same position as on the shell. Both darts must be sewn securely and finished on the ends, and pressed open. The lining at centre back must be sewn to each side of the slide fastener. The lining of the overlap vent (kick pleat) must be attached to both sides of the pleat opening. Care must be taken to ensure that the ease has been evenly distributed on the back seam when attaching the lining to the skirt. No puckering of shell material must be noticeable on the face side of the skirt. The construction of the back lining must conform with to the patterns and drawing 2.
- 4.3.7 **Joining – Side Seams** – The front and back side seams of the lining and shell material must be sewn together with a 2.5 cm  $\pm$  0.5 cm seam allowance. All side seams must be serged and the seams pressed open.
- 4.3.8 **Hem** – The hem of the shell material of the skirt must be serged using matching thread as specified in Para. 4.1.6. It must be finished with a 5 cm  $\pm$  0.5 cm wide blind stitched hem. The blind stitching must be done so that no thread is visible on the face of the shell material. The lining bottom must be turned in with a finished hem of 2.5 cm  $\pm$  0.5 cm wide and lock stitched using 2 mm gauge. The lining length must be at least 3 cm shorter than shell length when finished, along the entire skirt circumference.
- 4.3.9 **Pressing** – Each skirt must be properly pressed in accordance with good commercial practice.
- 4.3.10 **Marking and Cleaning Instructions Label** – Each skirt must have a typed label machine printed or stamped in English and French attached in accordance with the requirements outlined below. The label must be sewn to the inside left side seam lining and positioned 6 to 8 cm below the top of the skirt, as shown in drawing 2. The label must measure no more than 5 cm x 4 cm. The text must be printed in permanent inks of a contrasting colour and must withstand at least 5 dry cleanings with no change in appearance. All text except for the RCMP stock number and size must be in size 6 font. The RCMP stock number and size must appear in size 8 font. The manufacturer's identification must not appear anywhere on the garment except

where indicated on the garment label. The label must contain the following information in English and French. Any portion of a hand written label is not acceptable

1. Item name in English as written in Para. 1.1.
2. Item name in French as written in Para. 1.1.
3. RCMP stock number - reference contract documents. (Ex. 4770-100)
4. Size of the article in the English and French as indicated in the finished garment special made measurement form for the the natural waist. (Ex. 40)
5. Name of RCMP member
6. Reg. #
7. Order Number as printed on order document
8. Date of manufacture, in numeric format year/month (Ex. 2019/12)
9. Your manufacturer identification (Company name or number).
10. Print information as shown below.

1		
2		
3		
4		
5		
6		
7		
8		
9		
10	DRY CLEAN ONLY.	NETTOYAGE À SEC SEULEMENT.
	Steam iron – medium	Repassage à vapeur – à température moyenne

5 **Quality Assurance Provisions**

5.1 **Responsibility for Inspection** – Unless otherwise stipulated in the Contract, it is the Contractor's responsibility to satisfy the RCMP, Uniform and Equipment Program that the material and services being supplied conform to this specification. This may be accomplished by performing the tests specified in this specification or by demonstrating to the satisfaction of the RCMP, Uniform and Equipment Program that conformity to this specification of manufacturing processes is assured. The Contractor must use an independent commercial testing establishment.

- 5.2 The RCMP, Uniform and Equipment Program reserves the right to perform any inspection considered necessary to ensure the material and services conform to the specified requirements. For the purpose of inspection, a portion of each delivery not exceeding two percent or two out of any number delivered under 100 may be put to tests that could destroy the articles. If found to be inferior or not in accordance with this specification, all articles so destroyed must be replaced by others of proper quality and pattern at the expense of the Contractor. The entire delivery may also be rejected if it is found that articles previously rejected due to non-repairable defects are redelivered for inspection.
- 5.3 The Contractor will be promptly notified when any articles are not accepted and such articles will be returned at the contractor's risk and expense.

**TABLE I**  
**Properties of Lining Material**

	TEST	RCMP REQUIREMENTS		TEST METHOD	
1	Colour	Similar shade to shell material (no requirement to match exactly)			
2	Fibre Content	100% Acetate		<ul style="list-style-type: none"> <li>• CAN/CGSB-4.2 No. 14-2005</li> <li><b>OR</b></li> <li>• AATCC 20A-2018</li> </ul>	
3	Weave	2/1 Twill "Z" Direction			
4	Mass	110 g/m <sup>2</sup> ± 8 g/m <sup>2</sup> (102 g/m <sup>2</sup> – 118 g/m <sup>2</sup> )		<ul style="list-style-type: none"> <li>• CAN/CGSB-4.2 No. 5.1-M90 (R2013)</li> <li><b>OR</b></li> <li>• ASTM D3776/3776M-09a (2017) Option C</li> </ul>	
5	Yarns per cm	Warp	56.0 min.	<ul style="list-style-type: none"> <li>• CAN/CGSB-4.2 No. 6-2013</li> <li><b>OR</b></li> <li>• ISO 7211-2:1984</li> </ul>	
		Weft	22.0 min.		
6	Dimensional Change in Wetting	Warp	2.0% max.	<ul style="list-style-type: none"> <li>• CAN/CGSB-4.2 No. 25.1-97 (R2013)</li> </ul>	
		Weft	2.0% max.		
7	Dimensional Change in Dry Cleaning (3 cycles)	Warp	2.0% max.	<ul style="list-style-type: none"> <li>• AATCC TM 158-2016</li> </ul>	
		Weft	2.0% max.		
8	Breaking Strength – Grab Method	Warp	350 N min.	<ul style="list-style-type: none"> <li>• CAN/CGSB-4.2 No. 9.2-M90 (R2013)</li> <li>Using CRE Machine</li> </ul>	
		Weft	150 N min.		
9	Colourfastness to Crocking	Dry	Grey Scale 4 or better	<ul style="list-style-type: none"> <li>• CAN/CGSB-4.2 No. 22-2004 (R2013)</li> <li><b>OR</b></li> <li>• AATCC Test Method 8-2016</li> <li>Evaluate using Gray Scale for Staining</li> </ul>	
		Wet	Grey Scale 3 or better		
10	Colourfastness to Perspiration	Acid	Colour change	Grey Scale 4 or better	CAN/CGSB-4.2 No. 23-M90 (R2013)
			Staining cotton	Grey Scale 3-4 or better	
			Staining wool	Grey Scale 3-4 or better	
		Acid	Colour change	Grey Scale 4 or better	
			Staining cotton	Grey Scale 3-4 or better	
			Staining wool	Grey Scale 3-4 or better	
11	Colourfastness to Dry Cleaning	Colour Change	Grey Scale 4 or better	<ul style="list-style-type: none"> <li>• AATCC TM 132-2013</li> <li>Evaluate using Grey Scale for Staining and Grey Scale for Colour Change</li> </ul>	
		Staining	Grey Scale 4 or better		

**APPENDIX A**

**Sealed Pattern Identifier**

Pattern Title: Skirt, Formal, Blue, Officer

Patterns - Patterns are available from the RCMP, Uniform and Equipment Program. Firms requested to produce Pre-Award Samples will be provided with the base pattern only. The full set of patterns in individual sizes will be provided to the successful bidder after the contract is awarded. The bidder will receive the files electronically in a .DXF format unless paper is requested.

The patterns include seam allowances, drill holes and/or placement templates. All pieces must be cut in the direction indicated on the grain line of the pattern pieces. The scale of measurements indicates the finished garment measurements however the patterns may not reflect the same measurements. The manufacturer is responsible for making changes to the pattern, if necessary, in order to meet the scale of measurements, adjust for shrinkage/stretch and/or to suit the production process, however, the design and grade must not be affected or changed.

All patterns are the property of the RCMP and must be returned upon completion of the contract. Electronic patterns must be deleted from the Contractor’s files.

Pattern Pieces: 5 pattern components per file.

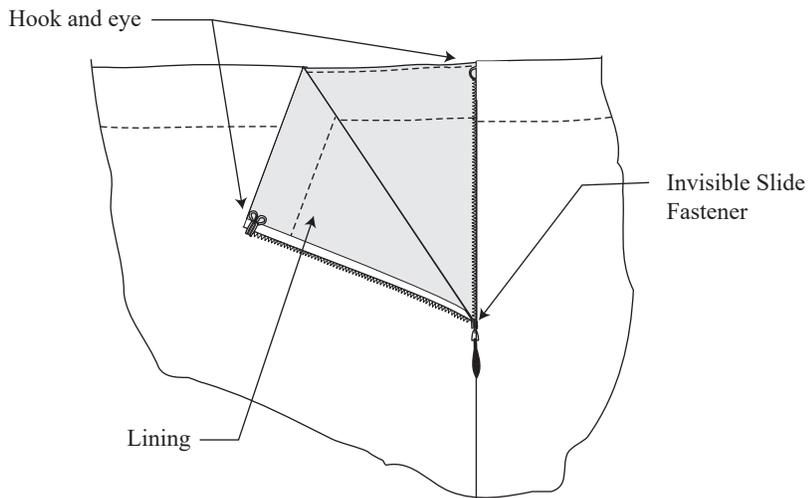
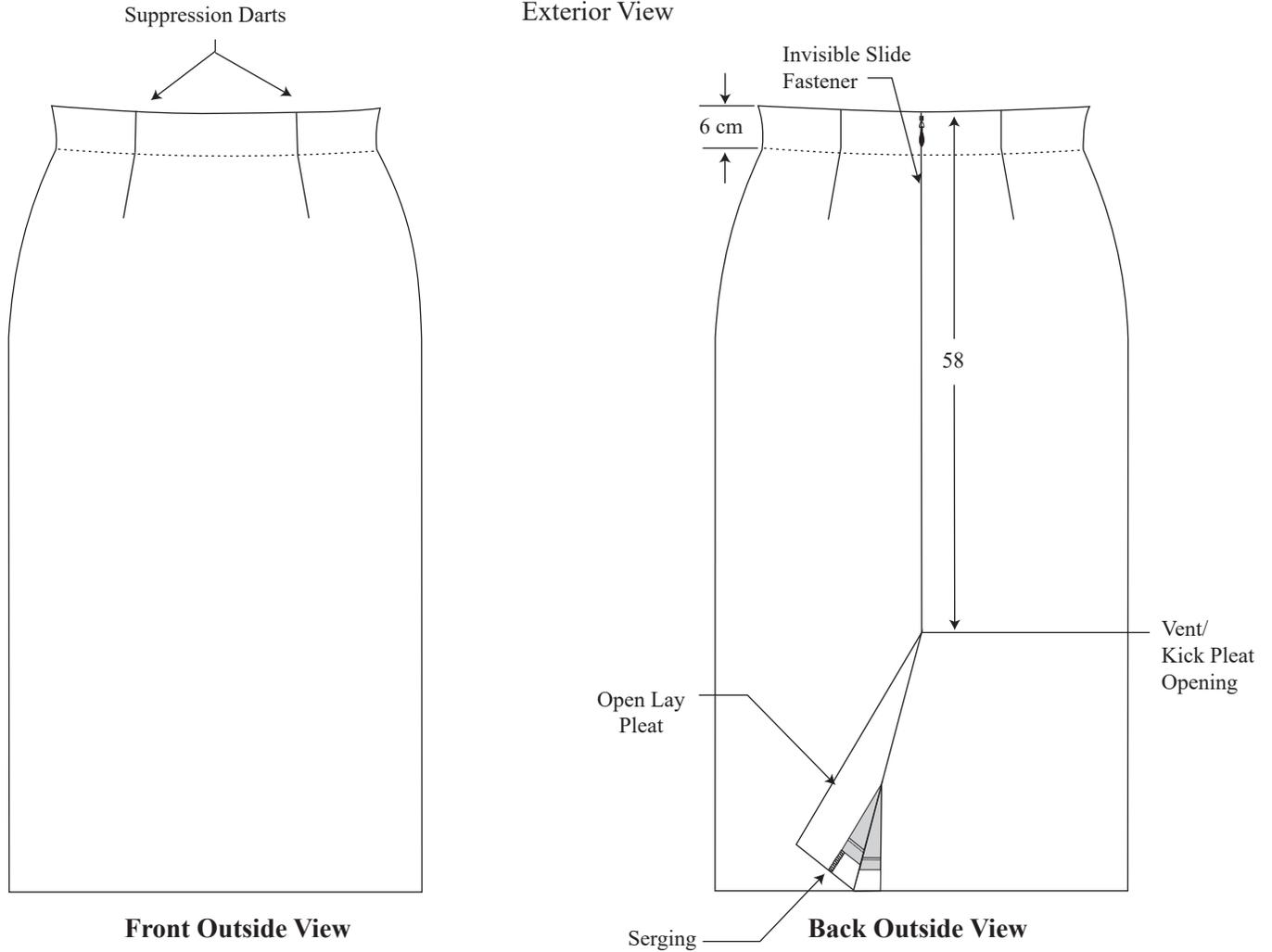
<b><u>Legend:</u></b>	
Shell Material	= Para. 4.1.1
Lining Material	= Para. 4.1.2
Cut 1 Single	= Cut 1
Cut 1 Paired (RSU)	= Cut 2
	= Right Side Up

<b>Pattern Components</b>	<b>Nomenclature</b>	<b>Quantity to be cut</b>	<b>Material</b>
# 1 of 5	Front	1 Single	Shell Material RSU
# 2 of 5	Back	1 Paired	Shell Material
# 3 of 5	Lining - Front	1 Single	Lining Material RSU
# 4 of 5	Lining - Left Back	1 Single	Lining Material RSU
# 5 of 5	Lining - Right Back	1 Single	Lining Material RSU

# Drawing 1

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Skirt, Formal, Blue, Officer  
Exterior View



Back Opening Detail

NOT TO SCALE

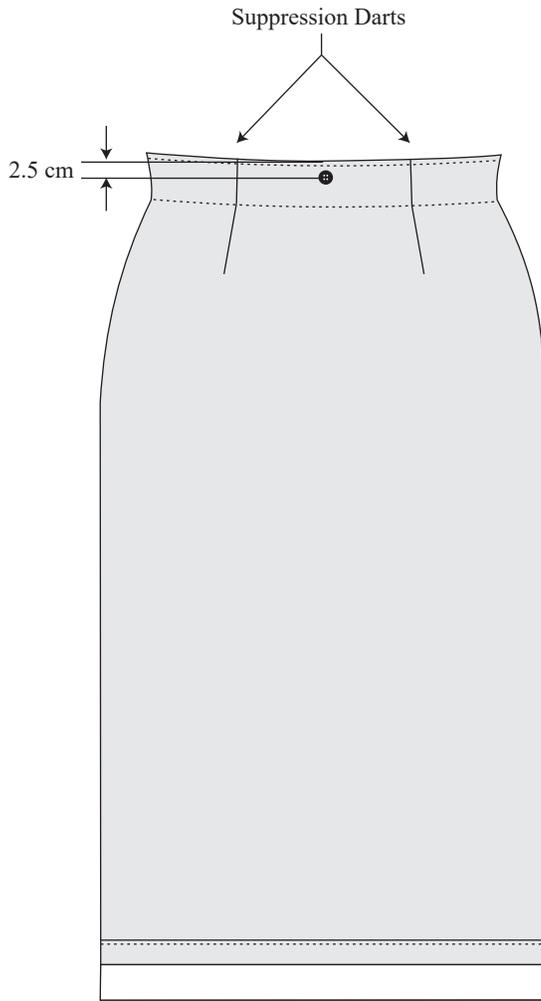
All measurements are shown in centimeters.

± 0.5 cm tolerance acceptable unless otherwise indicated.

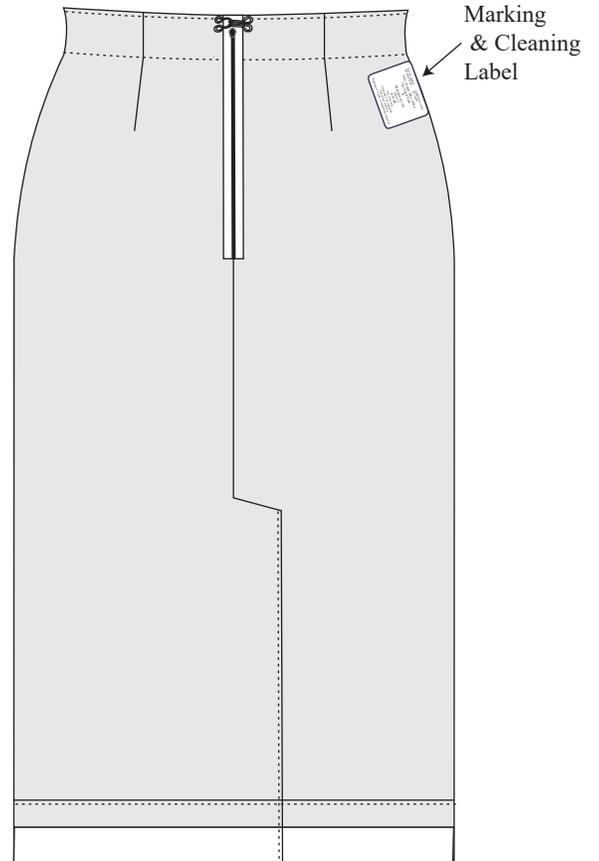
# Drawing 2

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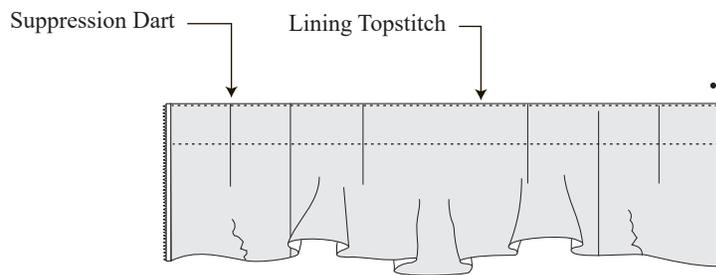
Skirt, Formal, Blue, Officer  
Interior View (Lining)



**Front Inside View**



**Back Inside View**



**Top Skirt Inside View**

NOT TO SCALE

All measurements are shown in centimeters.

± 0.5 cm tolerance acceptable unless otherwise indicated.