

Doc. no: G.S. 1045-074 Date: 2017-05-25

Specification Overalls, Blue

This document has 22 pages including the drawings.

This document was created in English.

The document is available in English and French.

☑ English/Anglaise Français/French

The photograph on this page is for reference only.



Issued on the authority of the Commissioner, Royal Canadian Mounted Police.

Modifications

Date	Para. No's	Modifications		
1979-05-10		Original Specification.		
1980-09-03	Page 6	Add Para. 4.3.10		
1983-06-15	Scale of Measurements	Rise Dimension Added.		
1985-02-12	Page 6, Para. 4.3.9	Marking made to reflect bilingualism.		
1988-10-25	Page 4, Para. 4.3.2.1	Seam outlet extended.		
1990-09-19	Size Chart	Sizes changed.		
1994-04-28	Scaled of Measurements	Amended		
2004-06-18	Entire spec	Nomenclature for sealed sample changed to viewing sample.		
	Para. 2.3, 2.4	Update CAN/CGSB standards.		
	Para. 2.5	Obsolete.		
	Para. 2.6- 2.9	Added specification and standards.		
	Para. 4.1.3	Change information.		
	Para. 4.1.4.1-4.1.4.4	Added information.		
	Para. 4.1.5.1-4.1.5.3	Update CAN/CGSB. Standards.		
	Para. 4.1.6.1-4.1.6.2	Changed information.		
	Para. 4.1.8	Changed information.		
	Para. 4.3.2.2	Clarified information.		
	Para. 4.3.2.3	Machine stitched replaces hand stitched.		
	Para. 4.3.8	Clarify seat seam measurement.		
	Para. 6.1	Remove "one's own testing facilities".		
	Table I	Change requirements.		
	Scale of Measurements	Added tolerance for Rise, added size 46 in all height groups.		
2005-07-05	Para. 4.3.2.1	Hem facing details added.		
	Para. 4.3.2.3	Elastic position adjusted.		
	Dwg. 3	Altered foot strap & hem facing detail.		
2014-01-10	Specification	Formatting updated.		
	Para. 2.4- 2.9	Deleted thread standard. Replaced Braid		
		standard referencing RCMP specification		
		1045-352 and re-numbered balance of		
	Para, 4.1.2	specifications.		
	Para. 4.1.3, 4.1.4.1,	Referenced RCMP specification.		
	4.1.4.2, 4.1.4.3& 4.1.4.4	Merged paragraphs and referenced		
		documentation required as per Appendix A.		
	Para. 4.1.4.1, 4.1.4.2 & 4.1.4.3	Re-numbered paragraphs.		
	Table I Scale of Measurements Para. 4.3.2.1 Para. 4.3.2.3 Dwg. 3 Specification Para. 2.4- 2.9 Para, 4.1.2 Para. 4.1.3, 4.1.4.1, 4.1.4.2, 4.1.4.3& 4.1.4.4	Change requirements. Added tolerance for Rise, added size 46 in a height groups. Hem facing details added. Elastic position adjusted. Altered foot strap & hem facing detail. Formatting updated. Deleted thread standard. Replaced Braid standard referencing RCMP specification 1045-352 and re-numbered balance of specifications. Referenced RCMP specification. Merged paragraphs and referenced documentation required as per Appendix A.		

Para. 4.1.6	Updated thread requirements and added					
Para. 4.1.8	Certificate of Compliance.					
Para. 4.1.9	Added paragraph for buttonhole construction.					
	Added Certificate of Compliance					
Para. 4.3.9 & 4.3.10	requirement.					
	Added hook and eye detail and certificate of					
Appendix A	compliance requirement.					
	Updated Marking and cleaning labels and					
	Identification labels.					
	Added Certification of Compliance definition					
	and evaluation criteria.					
	Revised Specification					
	Para. 4.1.8 Para. 4.1.9					

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 shall govern.

It may be obtained from:

Royal Canadian Mounted Police Uniform & Equipment Program (440 Coventry Road, Warehouse Building) 1200 Vanier Parkway Ottawa, Ontario K1A 0R2

It will be sent "prepaid" and is to be returned "prepaid".

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

SPECIFICATION

OVERALLS, BLUE

1. **Definitions**

- 1.1 This specification shall govern the manufacture and inspection of the Overalls, Blue. The specific item covered under this specification with stock number is as follows:
 - i. 4925- Overalls, Blue
 - ii. 4927-508 Overalls, Blue, Special
- 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 RCMP Overalls, Blue
- 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 CAN/CGSB 4.2, Textile Test Methods.
- 2.3 ISO 4915:1991, Textiles Stitch Types.
- 2.4 ISO 4916:1991, Textiles Seam Types.
- 2.5 CAN/CGSB 4.131-93, Thread, Polyester, Polyester Covered.
- 2.6 CAN/CGSB 86.1-2003, Care Labeling of Textiles.
- 2.7 RCMP Specification, G.S.1045-115, Cloth, Wool, Polyester

2.8 RCMP Specification, G.S.1045-352, Cloth, Braid, Wool

3. **General Requirements**

- 3.1 The article or material covered by this specification shall 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 shall be equivalent in all respects to the pattern and viewing sample.
- 3.2 <u>Design</u> The Overalls, Blue, shall be military type, high-waisted, fitted overalls with yellow stripes centred on the side seam, with a slide fastener fly, suspender buttons, elastic foot straps, and two pockets. The front bottom shall fit snugly over the congress boots and the length at the back bottom shall reach the spur. It shall have single darts on the back. It shall be constructed from material purchased from the RCMP as specified and shall conform to the scale of measurements, drawings, pattern and viewing sample which form part of this specification.

4. **Detail Requirements**

4.1 **Components**

- 4.1.1 <u>Shell Material</u> The shell material shall be RCMP stock item number 9100-000, Cloth, Wool, Polyester, navy in colour and shall be purchased from the RCMP.
- 4.1.2 <u>Stripes</u> The stripes shall be RCMP stock item number 8552-100, braid, wool, yellow in colour and shall be purchased from the RCMP.
- 4.1.3 <u>Lining: Pocket, Waistband, Fly & Crotch</u> The lining shall be black in colour or shall match the shell material, and shall meet the requirements outlined in Table I.
- 4.1.4 **Fusing** The fusing applied to the waistband shall be woven, fusible, interlining $85g/m^2 \pm 10g/m^2$) in accordance with the viewing sample.
- 4.1.5 <u>Interfacing</u> The interfacing sewn to the waistband lining shall be bias cut, woven, sew on interlining in accordance with the viewing sample.
- 4.1.6 <u>Thread</u> The thread for seams and stitching, buttonholes, bartacks, and button attachment shall be polyester core, polyester wrap, Tex 40, Class B of matching colour, meeting CAN/CGSB 4.131-93.

4.1.6.1 <u>Thread – Hem</u> – The thread for the hem shall be a lightweight continuous polyester thread suitable for blind stitch hemming, in accordance with the viewing sample.

4.1.7 **Buttons**

- 4.1.7.1 <u>Suspender Buttons</u> The suspender buttons shall be four hole, 17mm, plastic composition buttons in black or of a shade matching the shell material colour.
- 4.1.7.2 <u>Watch Pocket and Waistband Slide Fastener Support</u> The buttons for the watch pocket and waistband slide fastener support shall be four hole, 14mm, plastic composition buttons in black or of a shade matching the shell material colour.
- 4.1.8 <u>Elastic Foot Straps</u> The elastic shall be black in colour, 2.5cm wide, preshrunk, woven polyester of superior quality.
- 4.1.9 <u>Slide Fastener Front</u> The slide fasteners shall be closed ended, brass slide fastener with Y type teeth and a 4.5 mm chain width. The slide fastener shall come complete with one bottom stop and a minimum of one top stop. The top stop must be visible, not covered by the waistband. There shall be a semi-locking slider with stainless steel locking pin, and brass pull tab. The tape shall be comprised of a polyester yarn and shall be black in colour. YKK YGC-459½ is known to meet this requirement.

4.1.9.1 Slide Fasteners – Lengths – Measurements in Inches

	Length Signifier						
Waist Size	S	R	T	XT			
30	8"	8 1/2"	9"	9 1/2"			
32	8"	8 1/2"	9"	9 1/2"			
34	8"	8 1/2"	9"	9 1/2"			
36	8"	8 1/2"	9"	9 ½"			
38	8 1/2"	9"	9 1/2"	10"			
40	8 1/2"	9"	9 1/2"	10"			
42	8 1/2"	9"	9 1/2"	10"			
44	8 1/2"	9"	9 1/2"	10"			
46	8 1/2"	9"	9 1/2"	10"			

4.1.10 <u>Hook and Eye</u> – The hook and eye shall be made of steel components, nickel plated on the outside and zinc plated on the inside with a glossy finish. YKK Elite brank part number HE10, HE50, HH10, HH50 are acceptable.

4.2 <u>Size and Dimensions</u> – Overalls, Blue, to this specification shall be supplied in the sizes specified by the RCMP and to the dimensions given in the scale of measurements and drawings forming part of this specification. The garment components shall be shaped, dimensioned and positioned in accordance with the pattern components and pattern requirements as outlined in Appendix A forming part of this specification.

4.3 **Construction**

- 4.3.1 <u>Cutting</u> All component parts of the overalls shall be cut from the same piece of material to ensure uniformity of shade.
- 4.3.2 <u>Stitching & Seams</u> Using the thread specified in paragraph 4.1.6, all stitching shall be lockstitch or lockchain stitch. There shall be no less than four or more than five stitches per centimetre. The beginning and ending of all stitching shall be securely backstitch tacked, unless secured by other stitching. Side seams and inseams shall be constructed in accordance with a plain seam type #1.01.01 and serging type #6.01.01(edge finishing) of ISO 4916:1991.
- 4.3.3 <u>Inseam</u> The inseams shall be serged, sewn together and pressed open. The front and back panels shall have a 2.5 cm seam allowances the full length of the leg (from crotch to hem) to allow for outlet and adjustment.
- 4.3.4 <u>Outseam</u> The outseam shall be serged, sewn together and pressed open with 1 cm seam allowances.
- 4.3.5 <u>Legs</u> The legs shall be tight fitting, with shaped bottoms and elastic foot straps. The bottom of the leg shall be finished with a separate facing, shaped and dimensioned as per the pattern, made of shell material. The elastic foot straps specified in paragraph 4.1.8 shall be placed between the facing and the leg. The facing shall be one piece with the seam at the inseam. The facing shall be stitched to the leg and then edge stitched on the facing with a 2mm gauge. The top of the hem facing shall be blind stitch hemmed with the thread specified in para. 4.1.6.1. The legs shall be shaped and dimensioned as per the patterns and viewing sample.
- 4.3.5.1 <u>Leg Shaping</u> Each leg must be shaped by drawing in (shrinking) and stretching the fabric in accordance to the diagram. The reference line shows the manipulation of the fabric and how it will appear after pressing. The front panel above the knee is curved and stretched out away from the side seam and the back panel is shrunk and drawn in towards the side seam. The front panel below the knee is shrunk and

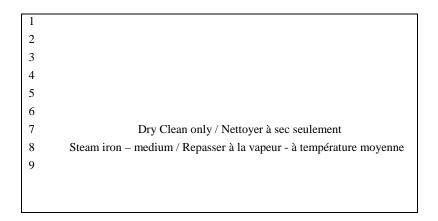
drawn in towards the side seam and the back is stretched and curved out away from the side seam.

- 4.3.6 <u>Elastic Foot Straps</u> The elastic foot straps, as specified in paragraph 4.1.8 shall be positioned as per drawing #3 and each cut 16 cm in length and then finished to 11 cm in length. The 2.5 cm overlaps shall be positioned forward of the side seams towards the front at the bottom of the hem as per drawing #3.
- 4.3.7 <u>Stripes</u> The stripes specified in paragraph 4.1.2, shall extend from the top of the waistband down the full length of the leg, centred on the outside leg seam and shall be stitched using a 1.5 mm gauge. The application of the stripes shall be free of puckering and twisting.
- 4.3.8 Waistband The sew-on waistband when finished shall be 5cm in height at the centre front and 8 cm in height at the widest part of the back. The shell material on the exterior of the waistband shall roll inwards 2mm. The waistband shall be lined with the fabric specified in para. 4.1.3 and have fusing and interfacing as specified in paragraphs 4.1.4 and 4.1.5, respectively, applied the full width and length of the waistband. There shall be six, 17mm suspender buttons as specified in paragraph 4.1.7.1. Two buttons shall be positioned in the center of the stripe on the side seam, centred in the width of the waistband, one on either side. The next two buttons shall be positioned 10cm from the side seam/stripe buttons, towards the center front, one on either side. The two buttons at the back shall be sewn 6 cm from the center back, one on each side towards the upward points of the back waistband. The top front of the waistband above the fly shall be equipped with a metal hook and eye as specified in paragraph 4.1.10. The waistband when completed shall conform in all respects to the patterns, drawings and viewing sample.
- 4.3.9 <u>Pockets</u> The Overalls shall have two watch pockets one on each side of the front, positioned directly below the waistband as shown in drawing #3. The pocket opening shall be 11cm wide. The pocket bag shall be made of material as per para. 4.1.3 and shall be 13 cm deep. Each pocket shall have a buttonhole of suitable size and a 14mm button specified in paragraph 4.1.7.2. All pocket ends shall be bar tacked with no less than 18 cover stitches per tack. The pockets when completed shall conform in all respects to the patterns, drawings, and viewing sample.
- 4.3.10 **Fly Opening** The fly front, lined with material specified in paragraph 4.1.3, shall be equipped with a slide fastener in accordance with paragraph 4.1.9. The fly front shall be supported with a 14mm button, as specified in paragraph 4.1.7.2, sewn to the underside of the top left portion of the opening. A corresponding buttonhole

shall be applied to the curtain. The end of the fly curtain, extending below the bottom of the fly opening, shall be tacked to the fly facing. Care shall be taken to ensure that no shell material is caught during this operation. The bottom of the fly opening shall be reinforced with a 10mm to 13mm long bar tack with no less than 18 cover stitches. The completed fly shall conform in all respects to the patterns, drawings, and viewing sample.

- 4.3.11 <u>Buttonholes</u> Buttonholes shall be eyelet type, gimp reinforced, with a bar tacked or fish-tailed end and having a minimum of 28 stitches per inch of 11.2 stitches per centimetre. The buttonholes may be "cut first" or "cut after", and shall fit a button as specified in paragraph 4.1.7. When "cut after" buttonholes are used, the cut shall be clean, close to the stitches so they are equal in appearance to the "cut first" buttonholes.
- 4.3.12 <u>Crotch Lining</u> The forepart of the crotch shall be lined with a triangular 2 ply piece of lining as specified in paragraph 4.1.3, shaped and dimensioned in accordance with the pattern.
- 4.3.13 <u>Crotch and Seat Seam</u> The crotch and seat seam shall be joined together by stitching the seat seam continuously from the crotch through the waistband in accordance with a 401 lockchain stitch as per ISO 4915:1991. It shall be finished so that alterations of the waistband can be performed without opening the waistband. The seam allowance shall be 1 cm at the crotch, widening gradually to 6 cm below the bottom of the waistband and continuing through the waistband. All seams shall be serged. The seat when finished shall conform in all respects to the drawings and viewing sample.
- 4.3.14 <u>Pressing and Shaping</u> The overalls shall be pressed flat with creasing of the pant leg in the center front and center back and be shaped in accordance with good commercial practice to conform with the shaping and style of the viewing sample.
- 4.3.15 Marking, Cleaning Instructions, and Identification Labels Each pair of Overalls shall have a label sewn to the right front pocket bag as identified in drawing #3. The label information shall be as outlined below in a text no less than a size 8 font. The text shall be of permanent inks of a contrasting colour and shall withstand at least 50 washes showing no apparent change in appearance. The label shall be completed in accordance with the following information in English and French.
 - 1. Item name in English as written in paragraph 1.1

- 2. Item name in French as written in paragraph 1.1
- 3. RCMP stock number reference contract documents (ex. XXXX-XXX)
- 4. Size of the article, combining the size designation referenced in the English and French contract documents (ex. 34 R)
- 5. Date of manufacture, in numeric format year/month (ex. 2001/11)
- 6. Your manufacturer identification (company name or number)
- 7. Write information as shown below
- 8. Write information as shown below
- 9. Name/Nom:



Note: The manufacturer's identification shall not appear anywhere on the garment except on the garment label as indicated.

5. **Quality Assurance Provisions**

- Responsibility for Inspection Unless otherwise stipulated in the contract, it is the prime 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 any independent, North American, ISO 9001 certified and ISO 17025 "Textile" certified testing facilities.
- 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 shall 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.

6. Methods of Measuring

(Refer to the Scale of Measurements and Drawing No. 4).

- 6.1 <u>Waist Circumference</u> (total circumference) When the waistband is closed, the waist shall be the total circumference from centre front to centre front at the waistband seam (A).
- 6.2 <u>Seat Circumference (total circumference)</u> When placed flat, the seat shall be measured at the base of the fly, across the width of the trousers. The result shall be doubled to measure total circumference (B).
- 6.3 <u>Inseam</u> When placed flat, the inseam shall be measured from the crotch to the bottom opening, along the length of the seam line (C).
- 6.4 <u>Outseam</u> When placed flat, the outseam shall be measured from the waistband seam to the bottom opening, along the length of the seam line (D).
- 6.5 **Rise** The rise shall be calculated as the difference between the outseam measurement and the inseam measurement (E).
- 6.6 <u>Circumference at Thigh (total circumference)</u> When placed flat, the thigh shall be measured across the width, at 2.5cm (1") below the crotch. The result shall be doubled to measure total circumference (F).
- 6.7 <u>Circumference at Knee (total circumference)</u> When placed flat, the knee shall be measured across the width, at 34cm (13 ½") below the crotch. The result shall be doubled to measure total circumference (G).
- 6.8 <u>Circumference at Calf (total circumference)</u> When placed flat, the calf shall be measured across the width, at 51cm (20") below the crotch. The result shall be doubled to measure total circumference (H).
- 6.9 <u>Circumference at Bottom Opening (total circumference)</u> When placed flat, the bottom opening shall be measured across the width at the bottom of leg. The result shall be doubled to measure total circumference (I).

SCALE OF MEASUREMENTS OVERALLS, BLUE

SI: DESIGN	ZE NATION	_	DDY REMENTS	GARMENT MEASUREMENTS								
Height	Size Inches	Waist cm	Seat cm	Waist cm	Seat cm	Inseam cm	Outseam from Waistband Seam cm	Rise (Calculated) cm	Thigh cm	Knee cm	Calf cm	Bottom cm
	30 S	76	94	80	97.5	79	106.5	27.5	65.5	46	45	43
	32 S	81	98	85	101.5	79	107.5	28.5	65.5	46	45	43
	34 S	86	102	90	105.5	79	107.5	28.5	66.5	47	46	44
	36 S	91	106	95	109.5	79	108.5	29.5	66.5	47	46	44
<u>Short</u>	38 S	96	110	100	113.5	79	108.5	29.5	67.5	48	47	45
	40 S	102	114	106	117.5	79	109.5	30.5	67.5	48	47	45
	42 S	107	119	111	122.5	79	109.5	30.5	68.5	49	48	46
	44 S	112	124	116	127.5	79	110.5	31.5	68.5	49	48	46
	46 S	117	129	121	132.5	79	110.5	31.5	69.5	50	49	47
	30 R	76	94	80	97.5	81	109.5	28.5	65.5	46	45	43
	32 R	81	98	85	101.5	81	110.5	29.5	65.5	46	45	43
	34 R	86	102	90	105.5	81	110.5	29.5	66.5	47	46	44
	36 R	91	106	95	109.5	81	111.5	30.5	66.5	47	46	44
Regular	38 R	96	110	100	113.5	81	111.5	30.5	67.5	48	47	45
	40 R	102	114	106	117.5	81	112.5	31.5	67.5	48	47	45
	42 R	107	119	111	122.5	81	112.5	31.5	68.5	49	48	46
	44 R	112	124	116	127.5	81	113.5	32.5	68.5	49	48	46
	46 R	117	129	121	132.5	81	113.5	32.5	69.5	50	49	47
TOLERAN	NCES ±			1.5 cm	1.5 cm	1 cm	1.5 cm	6 mm	6 mm	6 mm	6 mm	6 mm
MEASUREMENT LOCATION				A	В	С	D	Е	F	G	Н	I

NOTE: All measurements are in centimeters unless otherwise indicated.

	ZE NATION	BO MEASUR		GARMENT MEASUREMENTS								
Height	Size Inches	Waist cm	Seat cm	Waist cm	Seat cm	Inseam cm	Outseam from Waistband Seam cm	Rise (Calculated) cm	Thigh cm	Knee cm	Calf cm	Bottom cm
	30 T	76	94	80	97.5	84	113.5	29.5	65.5	46	45	43
	32 T	81	98	85	101.5	84	114.5	30.5	65.5	46	45	43
	34 T	86	102	90	105.5	84	114.5	30.5	66.5	47	46	44
	36 T	91	106	95	109.5	84	115.5	31.5	66.5	47	46	44
<u>Tall</u>	38 T	96	110	100	113.5	84	115.5	31.5	67.5	48	47	45
	40 T	102	114	106	117.5	84	116.5	32.5	67.5	48	47	45
	42 T	107	119	111	122.5	84	116.5	32.5	68.5	49	48	46
	44 T	112	124	116	127.5	84	117.5	33.5	68.5	49	48	46
	46 T	117	129	121	132.5	84	117.5	33.5	69.5	50	49	47
	30 XT	76	94	80	97.5	89	119.5	30.5	65.5	46	45	43
	32 XT	81	98	85	101.5	89	120.5	31.5	65.5	46	45	43
	34 XT	86	102	90	105.5	89	120.5	31.5	66.5	47	46	44
	36 XT	91	106	95	109.5	89	121.5	32.5	66.5	47	46	44
X-Tall	38 XT	96	110	100	113.5	89	121.5	32.5	67.5	48	47	45
	40 XT	102	114	106	117.5	89	122.5	33.5	67.5	48	47	45
	42 XT	107	119	111	122.5	89	122.5	33.5	68.5	49	48	46
	44 XT	112	124	116	127.5	89	123.5	34.5	68.5	49	48	46
	46 XT	117	129	121	132.5	89	123.5	34.5	69.5	50	49	47
TOLERAN	TOLERANCES ±			1.5 cm	1.5 cm	1 cm	1.5 cm	6 mm	6 mm	6 mm	6 mm	6 mm
MEASURE	EMENT LOC	ATION		A	В	С	D	Е	F	G	Н	I

NOTE: All measurements are in centimeters unless otherwise indicated.

TABLE I Properties of Lining

		SPECIFICATION	TESTED BY CAN/CGSB-4.2
1	Weave	Plain	
2	Fibre Blend	Polyester 65% ± 3% Cotton 35% ± 3%	Method 14-2005
3	Mass	150 to 170 g/m ²	Method 5.1-M90 (R2013)
4	Yarns per cm	Warp 39 (min.) Weft 21 (min.)	Method 6-2013
5	Breaking Strength	Warp 537 Newtons (min.) Weft 220 Newtons (min.)	Method 9.2-M90 (R2013)
6	Dimensional Change to Domestic Washing	Warp 2% (max.) Weft 2% (max.)	Method 58-2004
7	Colourfastness to Washing	Grey Scale 4 (min.)	Method 19.1-2004 (R2013) (Test 2)
8	Colourfastness to Light	L-4 (min.)	Method 18.3-97 (R2010)
9	Colourfastness to Perspiration	Grey scale 4 (min.)	Method 23-M90 (R2013)
10	Colourfastness to Crocking	Dry 4 (min.) Wet 4 (min.)	Method 22-2004 (R2013)
11	Pilling	3 (min.) after 90 min	Method 51.2-M87
12	Crease Recovery	70%	Method 45-M88 (R2013)
13	Non-Fibrous Material	3.1% (max.)	Method 15-2003 (R2013)

Appendix A

Sealed Pattern Identifier

Pattern #: G.S. 1045-074 Title: Overalls, Blue

Paper Patterns - Paper patterns are available from the RCMP, Technical Authority, Ottawa, Ontario, under Pattern # G.S. 1045-074. Firms requested to produce Pre-contract Award Samples will be provided with the base pattern only. There is no graded nest pattern for this style; the successful bidder shall grade the provided base size pattern according to the scale of measurements provided in the specification. The patterns are referenced in English.

The paper patterns may not include all pieces required for production, contractors are responsible for generating any additional pattern pieces required to execute the design according to the specification and viewing sample. Material shrinkage/stretch may vary and it is the responsibility of the manufacturer to make allowances in order to meet the scale of measurements included in this specification.

All patterns are the property of the RCMP and must be returned upon completion of the contract.

Pattern Pieces - This design has 17 pattern components.

Legend: Cut 1 Single = Cut 1 Cut 1 Paired = Cut 2

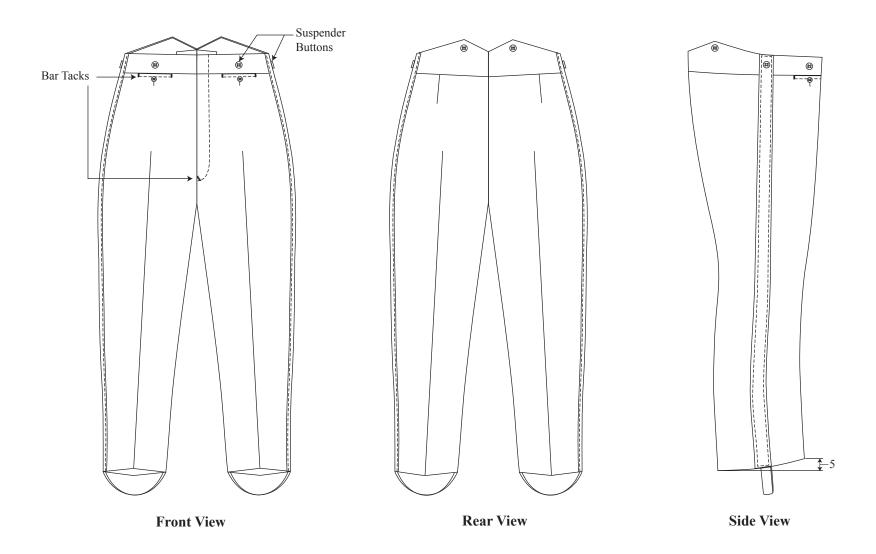
(RSU) = Right Side Up (GSU) = Glue Side Up Shell Material = Para. 4.1.1 Lining = Para. 4.1.3 Fusing = Para. 4.1.4

Appendix A continued

Pattern Components	Nomenclature	Quantity to be cut	Material
1 of 17	Back	1 Paired	Shell Material
2 of 17	Front	1 Paired	Shell Material
3 of 17	Waistband – Right	1 Single	Shell Material
4 of 17	Waistband – Left	1 Single	Shell Material
5 of 17	Fly Front	1 Single	Shell Material
6 of 17	Fly Curtain	1 Single	Shell Material (RSU)
7 of 17	Hem Facing	1 Paired	Shell Material
8 of 17	Pocket Facing	1 Paired	Shell Material
9 of 17	Pocket Facing Opening	1 Paired	Shell Material
10 of 17	Pocket Bag – Front	1 Paired	Lining
11 of 17	Front Gusset	1 Paired	Lining
12 of 17	Fly Lining	1 Single	Lining (RSU)
13 of 17	Waistband – Right – Fusing	1 Single	Fusing (GSU)
14 of 17	Waistband – Left – Fusing	1 Single	Fusing (GSU)
15 of 17	Fly Front – Fusing	1 Single	Fusing (GSU)
16 of 17	Fly Curtain – Fusing	1 Single	Fusing (GSU)
17 of 17	Pocket Facing – Fusing	1 Paired	Fusing

Drawing 1 G.S. 1045 - 074

Overalls, Blue



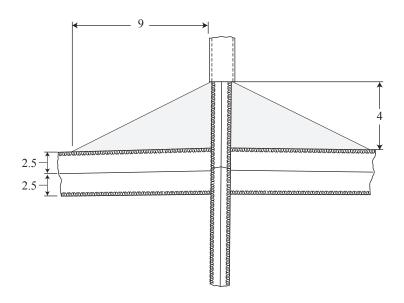
NOT TO SCALE

All measurements are shown in centimeters.

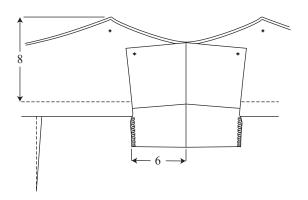
 \pm 0.5 cm tolerance acceptable unless otherwise indicated.

Drawing 2 G.S. 1045 - 074

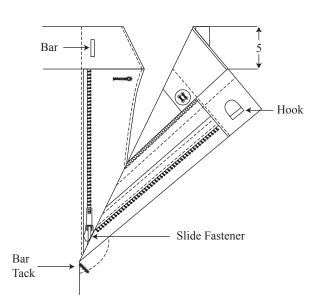
Overalls, Blue



Crotch Detail



Back Waistband & Seat Seam Detail



Waistband Closure Detail

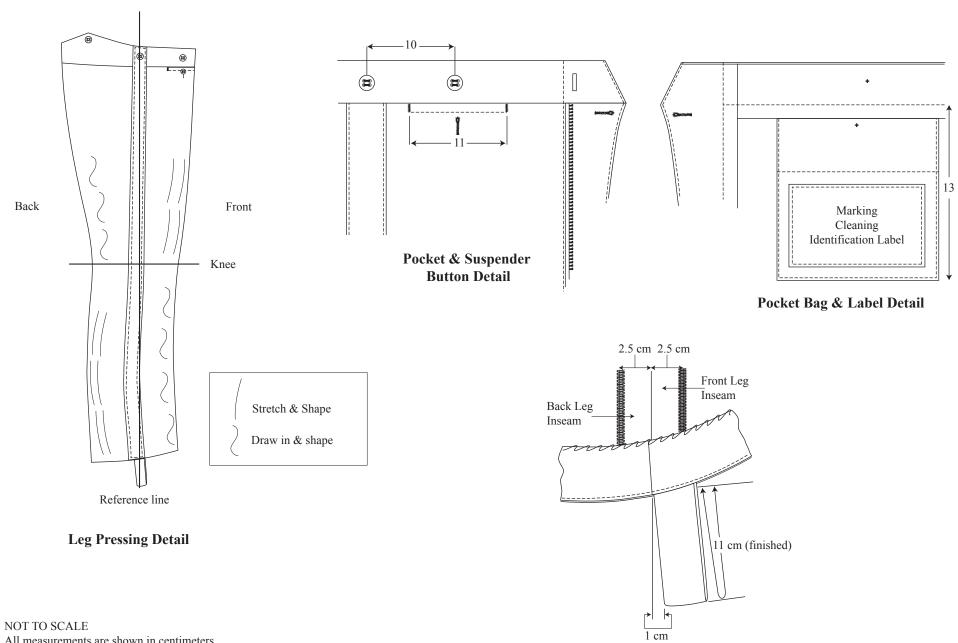
NOT TO SCALE

All measurements are shown in centimeters.

 $\pm\,0.5$ cm tolerance acceptable unless otherwise indicated.

Foot Strap & Hem Facing Detail

Overalls, Blue

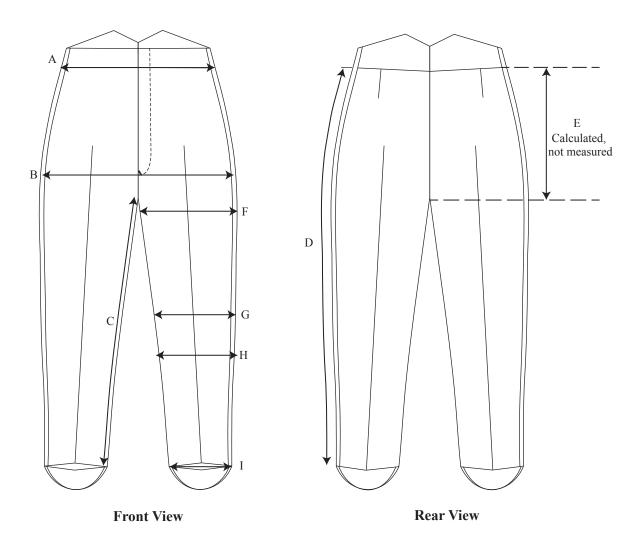


All measurements are shown in centimeters.

 \pm 0.5 cm tolerance acceptable unless otherwise indicated.

Drawing 4 G.S. 1045 - 074

Methods of Measuring



NOT TO SCALE

All measurements are shown in centimeters.

 \pm 0.5 cm tolerance acceptable unless otherwise indicated.