



**RETURN BIDS TO:  
RETOURNER LES SOUMISSIONS À:**

**Bid Receiving - PWGSC / Réception des  
soumissions - TPSGC**  
11 Laurier St./ 11, rue Laurier  
Place du Portage, Phase III  
Core 0B2 / Noyau 0B2  
Gatineau, Québec K1A 0S5  
Bid Fax: (819) 997-9776

**REQUEST FOR PROPOSAL  
DEMANDE DE PROPOSITION**

**Proposal To: Public Works and Government  
Services Canada**

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services  
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

**Comments - Commentaires**

<b>Title - Sujet</b> SBA CARRIER EXT	
<b>Solicitation No. - N° de l'invitation</b> M7594-195473/A	<b>Date</b> 2019-03-28
<b>Client Reference No. - N° de référence du client</b> M7594-195473	
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$\$PR-766-76790	
<b>File No. - N° de dossier</b> pr766.M7594-195473	<b>CCC No./N° CCC - FMS No./N° VME</b>
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2019-04-23</b>	<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Daylight Saving Time EDT
<b>F.O.B. - F.A.B.</b> <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input checked="" type="checkbox"/> <b>Other-Autre:</b> <input type="checkbox"/>	
<b>Address Enquiries to: - Adresser toutes questions à:</b> Baker, Johanne	<b>Buyer Id - Id de l'acheteur</b> pr766
<b>Telephone No. - N° de téléphone</b> (613) 854-9253 ( )	<b>FAX No. - N° de FAX</b> (613) 943-7970
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b>  Specified Herein Précisé dans les présentes	

**Instructions: See Herein**

**Instructions: Voir aux présentes**

**Vendor/Firm Name and Address**

**Raison sociale et adresse du  
fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**

Clothing and Textiles Division / Division des vêtements et  
des textiles  
L'Esplanade Laurier,  
East Tower 7th Floor  
Tour est 7e étage  
140 O'Connor, rue O'Connor,  
Ottawa  
Ontario  
K1A 0R5

<b>Delivery Required - Livraison exigée</b> See Herein	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/ de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

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## **PART 1 – GENERAL INFORMATION**

### **1.1 Security Requirement**

There is no security requirement associated with this bid solicitation.

### **1.2 Requirement**

The “Requirement” is detailed under Annex « A » of the resulting contract clauses.

### **1.3 Debriefings**

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

### **1.4 Trade Agreements**

The requirement is subject to the provisions of the Canadian Free Trade Agreement (CFTA).

### **1.5 Canadian Content**

The requirement is limited to Canadian goods and/or services.

### **1.6 Phased Bid Compliance Process**

The Phased Bid Compliance Process applies to this requirement.

### **1.7 Epost Connect Service**

This bid solicitation allows bidders to use the epost Connect service provided by Canada Post Corporation to transmit their bid electronically. Bidders must refer to Part 2 entitled Bidder Instructions, and Part 3 entitled Bid Preparation Instructions, of the bid solicitation, for further information.

## **PART 2 – BIDDER INSTRUCTIONS**

### **2.1 Standard Instructions, Clauses and Conditions**

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The [2003](#) (2018-05-22) Standard Instructions - Goods or Services – Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

Subsection 5.4 of [2003](#), Standard Instructions - Goods or Services – Competitive Requirements, is amended as follows:

Delete: 60 days  
Insert: 365 days

The 2003 standard instructions is amended as follows:

- Section 08, entitled Transmission by facsimile or by epost Connect, is amended as follows:

subsection 2. is deleted entirely and replaced with the following:

2. epost Connect

- a. Unless specified otherwise in the bid solicitation, bids may be submitted by using the [epost Connect service](#) provided by Canada Post Corporation.
  - i. PWGSC, National Capital Region: The only acceptable email address to use with epost Connect for responses to bid solicitations issued by PWGSC headquarters is:  
  
[tpsgc.dgareceptiondessoumissions-abbidreceiving.pwgsc@tpsgc-pwgsc.gc.ca](mailto:tpsgc.dgareceptiondessoumissions-abbidreceiving.pwgsc@tpsgc-pwgsc.gc.ca)  
  
or, if applicable, the email address identified in the bid solicitation.
  - ii. PWGSC regional offices: The only acceptable email address to use with epost Connect for responses to bid solicitations issued by PWGSC regional offices is identified in the bid solicitation.
- b. To submit a bid using epost Connect service, the Bidder must either:
  - i. send directly its bid only to the specified PWGSC Bid Receiving Unit, using its own licensing agreement for epost Connect provided by Canada Post Corporation; or
  - ii. send as early as possible, and in any case, at least six business days prior to the solicitation closing date and time, (in order to ensure a response), an email that includes the bid solicitation number to the specified PWGSC Bid Receiving Unit requesting to open an epost Connect conversation. Requests to open an epost Connect conversation received after that time may not be answered.
- c. If the Bidder sends an email requesting epost Connect service to the specified Bid Receiving Unit in the bid solicitation, an officer of the Bid Receiving Unit will then initiate an epost Connect conversation. The epost Connect conversation will create an email notification from Canada Post Corporation prompting the Bidder to access and action the message within the conversation. The Bidder will then be able to transmit its bid afterward at any time prior to the solicitation closing date and time.
- d. If the Bidder is using its own licensing agreement to send its bid, the Bidder must keep the epost Connect conversation open until at least 30 business days after the solicitation closing date and time.
- e. The bid solicitation number should be identified in the epost Connect message field of all electronic transfers.
- f. It should be noted that the use of epost Connect service requires a Canadian mailing address. Should a bidder not have a Canadian mailing address, they may use the Bid

Receiving Unit address specified in the solicitation in order to register for the epost Connect service.

- g. For bids transmitted by epost Connect service, Canada will not be responsible for any failure attributable to the transmission or receipt of the bid including, but not limited to, the following:
- i. receipt of a garbled, corrupted or incomplete bid;
  - ii. availability or condition of the epost Connect service;
  - iii. incompatibility between the sending and receiving equipment;
  - iv. delay in transmission or receipt of the bid;
  - v. failure of the Bidder to properly identify the bid;
  - vi. illegibility of the bid;
  - vii. security of bid data; or,
  - viii. inability to create an electronic conversation through the epost Connect service.
- h. The Bid Receiving Unit will send an acknowledgement of the receipt of bid document(s) via the epost Connect conversation, regardless of whether the conversation was initiated by the supplier using its own license or the Bid Receiving Unit. This acknowledgement will confirm only the receipt of bid document(s) and will not confirm if the attachments may be opened nor if the content is readable.
- i. Bidders must ensure that they are using the correct email address for the Bid Receiving Unit when initiating a conversation in epost Connect or communicating with the Bid Receiving Unit and should not rely on the accuracy of copying and pasting the email address into the epost Connect system.
- j. A bid transmitted by epost Connect service constitutes the formal bid of the Bidder and must be submitted in accordance with section 05.

## 2.2 Submission of Bids

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

Note: For bidders choosing to submit using epost Connect for bids closing at the Bid Receiving Unit in the National Capital Region (NCR) the email address is:

[tpsgc.dgareceptiondessoumissions-abbidreceiving.pwgsc@tpsgc-pwgsc.gc.ca](mailto:tpsgc.dgareceptiondessoumissions-abbidreceiving.pwgsc@tpsgc-pwgsc.gc.ca)

Note: Bids will not be accepted if emailed directly to this email address. This email address is to be used to open an epost Connect conversation, as detailed in Standard Instructions 2003, or to send bids through an epost Connect message if the bidder is using its own licensing agreement for epost Connect.

## 2.3 Enquiries – Bid Solicitation

All enquiries must be submitted in writing to the Contracting Authority no later than seven (7) calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

## **2.4 Applicable Laws**

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

## **2.5 Specifications and Standards**

### **2.5.1 Canadian General Standards Board (CGSB) – Standards**

A copy of the CGSB Standards referred to in the bid solicitation is available and may be purchased from:

Canadian General Standards Board  
Place du Portage III, 6B1  
11 Laurier Street  
Gatineau, Québec  
Telephone: (819) 956-0425 or 1-800-665-CGSB (Canada only)  
Fax: (819) 956-5740  
E-mail: [ncr.cgsb-ongc@pwgsc-tpsgc.gc.ca](mailto:ncr.cgsb-ongc@pwgsc-tpsgc.gc.ca)  
CGSB Website: <https://www.tpsgc-pwgsc.gc.ca/ongc-cgsb/index-eng.html>

### **2.5.2 ASTM International – Standards**

A copy of the ASTM Standards referred to in the bid solicitation is available and may be purchased from:

ASTM Headquarters  
100 Barr Harbor Drive  
PO Box C700  
West Conshohocken, PA  
19428-2959 USA  
Telephone: 1-877-909-2786 (USA & Canada) or 610-832-9585 (International)  
ATSM Website: <http://www.astm.org/Standard/>

### 2.5.3 International Standards Organization (ISO) – Standards

A copy of the ISO Standards referred to in the bid solicitation is available and may be purchased from:

International Organization for Standardization  
ISO Central Secretariat  
Chemin de Blandonnet 8  
CP 401  
1214 Vernier, Geneva  
Switzerland  
Telephone: +41 22 749 01 11  
Fax: +41 22 733 34 30  
E-mail: central@iso.org  
ISO Website: <http://www.iso.org/iso/home.html>

### 2.5.4 American Association of Textile Chemists and Colorists (AATCC)

A copy of the AATCC referred to in the bid solicitation is available and may be purchased from:

American Association of Textile Chemists and Colorists  
PO Box 12215  
Research Triangle Park,  
NC 27709-2215 USA  
Telephone: (919) 549-8141  
Fax: (919) 549-8933  
AATCC Website: <http://www.aatcc.org/>

### 2.6 Transportation Costs Information

The Bidder is requested to provide the following information concerning transportation costs for the delivery of the units to destination:

- a) shipping weight by unit: \_\_\_\_\_
- b) number of items by unit: \_\_\_\_\_
- c) cubic measurement by unit: \_\_\_\_\_
- d) number of units per shipment: \_\_\_\_\_
- e) name of shipping point: \_\_\_\_\_
- f) recommended method of shipment and carrier: \_\_\_\_\_
- g) Unit cost per Destination: \_\_\_\_\_
- h) Total cost: \$ \_\_\_\_\_

## PART 3 – BID PREPARATION INSTRUCTIONS

### 3.1 Bid Preparation Instructions

If the Bidder chooses to submit its bid electronically, Canada requests that the Bidder submits its bid in accordance with [section 08 of the 2003 standard instructions](#). The epost Connect system has a limit of 1GB per single message posted and a limit of 20GB per conversation.

Canada requests that documents be identified, grouped and presented in separate sections as follows:

Section I: Technical Bid  
Section II: Financial Bid  
Section III: Certifications

If the Bidder chooses to submit its bid in hard copies, Canada requests that the Bidder submits its bid in separately bound sections as follows:

Section I: Technical Bid (3 hard copies)  
Section II: Financial Bid (1 hard copy)  
Section III: Certifications (1 hard copy)

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that Bidders follow the format instructions described below in the preparation of their bid:

- a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573) (<https://www.tbs-sct.gc.ca/pol/doc-eng.aspx?id=32573>).

To assist Canada in reaching its objectives, Bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.
- 3) Green Initiatives (for PWGSC information only).

Bidders are requested to provide details of their policies and practices in relation to the following initiatives:

- environmentally responsible manufacturing;
- environmentally responsible waste disposal;
- waste reduction;
- packaging;
- re-use strategies;
- recycling.

If the Bidder is simultaneously providing copies of its bid using multiple acceptable delivery methods, and if there is a discrepancy between the wording of any of these copies and the electronic copy provided through epost Connect service, the wording of the electronic copy provided through epost Connect service will have priority over the wording of the other copies.

### Section I: Technical Bid

In their technical bid, Bidders should explain and demonstrate how they propose to meet the requirements and how they will carry out the Work (reference Part 4, Evaluation Procedures, 4.1.1.1 Mandatory Technical Criteria)

### Section II: Financial Bid

Bidders must submit their financial bid in accordance with the Basis of Payment.

### Section III: Certifications

Bidders must submit the certifications and additional information required under Part 5.

#### 3.1.1 Electronic Payment of Invoices – Bid

RCMP will issue payment via direct deposit or payment by cheque only.

#### 3.1.2 Exchange Rate Fluctuation

[C3011T](#) 2013/11/06 Exchange Rate Fluctuation

#### 3.1.3 Origin of Work

Bidders must provide the name, address and country of manufacturers, subcontractors and suppliers to be utilized in the performance of the contract.

Items will be manufactured at: \_\_\_\_\_  
(please indicate the complete address of the plant).

The following suppliers/subcontractor(s) will be utilized in the performance of the contract:

- a) Name and address of supplier/subcontractor: \_\_\_\_\_
  - b) Location where work will be done: \_\_\_\_\_ please  
indicate the complete address if different from the address provided in (a)
  - c) Nature of subcontracting work performed: \_\_\_\_\_
  - d) Value of subcontract: \$ \_\_\_\_\_
- (Enter the information for each supplier/subcontractor)

Subcontractors, other than those listed above, may not be utilized without the written permission of Canada.

The Bidder agrees that Canada may publicly disclose the information provided with respect to the countries of origin.

## PART 4 – EVALUATION PROCEDURES AND BASIS OF SELECTION

### 4.1 Evaluation Procedures

- a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- b) An evaluation team composed of representatives of Canada will evaluate the bids.

- c) Canada will use the Phased Bid Compliance Process described below.

#### **4.1.1 Phased Bid Compliance Process (PBCP)**

##### **4.1.1.1 General**

- a) Canada is conducting the Phased Bid Compliance Process (PBCP) described below for this requirement.
- b) Notwithstanding any review by Canada at Phase I or II of the PBCP, bidders are and will remain solely responsible for the accuracy, consistency and completeness of their bids and Canada does not undertake, by reason of this review, any obligations or responsibility for identifying any or all errors or omissions in Bids or in responses by a Bidder to any communication from Canada.

The Bidder acknowledges that the reviews in Phase I and II of this PBCP are preliminary and do not preclude a finding in Phase III that the bid is non-responsive, even for mandatory requirements, which were subject to review in Phase I or II and notwithstanding that the bid had been found responsive in such earlier phase.

Canada may deem a bid to be non-responsive to a mandatory requirement at any phase.

The Bidder also acknowledges that its response to a notice or a Compliance Assessment Report (CAR) (each defined below) in Phase I or II may not be successful in rendering its bid responsive to the mandatory requirements that are the subject of the notice or CAR, and may render its bid non-responsive to other mandatory requirements.

- c) Canada may, in its discretion, request and accept at any time from a Bidder and consider as part of the Bid, any information to correct errors or deficiencies in the Bid that are clerical or administrative, such as, without limitation, failure to sign the Bid or any part or to checkmark a box in a form, or other failure of format or form or failure to acknowledge; failure to provide a procurement business number or contact information such as names, addresses and telephone numbers; inadvertent errors in numbers or calculations that do not change the amount the Bidder has specified as the price or of any component thereof that is subject to evaluation. This shall not limit Canada's right to request or accept any information after the bid solicitation closing in circumstances where the bid solicitation expressly provides for this right. The Bidder will have the time period specified in writing by Canada to provide the necessary documentation. Failure to meet this deadline will result in the Bid being declared non-responsive.
- d) The PBCP does not limit Canada's rights under Standard Acquisition Clauses and Conditions (SACC) 2003 (2017-04-27) Standard Instructions – Goods or Services – Competitive Requirements nor Canada's right to request or accept any information during the solicitation period or after bid solicitation closing in circumstances where the bid solicitation expressly provides for this right, or in the circumstances described in subsection (c).
- e) Canada will send any Notice or Compliance Assessment Report (CAR) by any method Canada chooses, in its absolute discretion. The Bidder must submit its response by the method stipulated in the Notice or CAR. Responses are deemed to be received by Canada at the date and time they are delivered to Canada by the method and at the address specified in the Notice or CAR. An email response permitted by the Notice or CAR is deemed received by Canada on the date and time it is received in Canada's email inbox at Canada's email address specified in the Notice or CAR. A Notice or CAR sent by Canada to the Bidder at any address provided by the Bidder in or pursuant to the Bid is deemed received by the Bidder on

the date it is sent by Canada. Canada is not responsible for late receipt by Canada of a response, however caused.

#### 4.1.1.2 Phase I: Financial Bid

- a) After the closing date and time of this bid solicitation, Canada will examine the Bid to determine whether it includes a Financial Bid and whether any Financial Bid includes all information required by the solicitation. Canada's review in Phase I will be limited to identifying whether any information that is required under the bid solicitation to be included in the Financial Bid is missing from the Financial Bid. This review will not assess whether the Financial Bid meets any standard or is responsive to all solicitation requirements.
- b) Canada's review in Phase I will be performed by officials of the Department of Public Works and Government Services.
- c) If Canada determines, in its absolute discretion that there is no Financial Bid or that the Financial Bid is missing all of the information required by the bid solicitation to be included in the Financial Bid, then the Bid will be considered non-responsive and will be given no further consideration.
- d) For Bids other than those described in c), Canada will send a written notice to the Bidder ("Notice") identifying where the Financial Bid is missing information. A Bidder, whose Financial Bid has been found responsive to the requirements that are reviewed at Phase I, will not receive a Notice. Such Bidders shall not be entitled to submit any additional information in respect of their Financial Bid.
- e) The Bidders who have been sent a Notice shall have the time period specified in the Notice (the "Remedy Period") to remedy the matters identified in the Notice by providing to Canada, in writing, additional information or clarification in response to the Notice. Responses received after the end of the Remedy Period will not be considered by Canada, except in circumstances and on terms expressly provided for in the Notice.
- f) In its response to the Notice, the Bidder will be entitled to remedy only that part of its Financial Bid which is identified in the Notice. For instance, where the Notice states that a required line item has been left blank, only the missing information may be added to the Financial Bid, except that, in those instances where the addition of such information will necessarily result in a change to other calculations previously submitted in its Financial Bid, (for example, the calculation to determine a total price), such necessary adjustments shall be identified by the Bidder and only these adjustments shall be made. All submitted information must comply with the requirements of this solicitation.
- g) Any other changes to the Financial Bid submitted by the Bidder will be considered to be new information and will be disregarded. There will be no change permitted to any other Section of the Bidder's Bid. Information submitted in accordance with the requirements of this solicitation in response to the Notice will replace, in full, **only** that part of the original Financial Bid as is permitted above, and will be used for the remainder of the bid evaluation process.
- h) Canada will determine whether the Financial Bid is responsive to the requirements reviewed at Phase I, considering such additional information or clarification as may have been provided by the Bidder in accordance with this Section. If the Financial Bid is not found responsive for the requirements reviewed at Phase I to the satisfaction of Canada, then the Bid shall be considered non-responsive and will receive no further consideration.

- i) Only Bids found responsive to the requirements reviewed in Phase I to the satisfaction of Canada, will receive a Phase II review.

#### 4.1.1.3 Phase II: Technical Bid

- a) Canada's review at Phase II will be limited to a review of the Technical Bid to identify any instances where the Bidder has failed to meet any Eligible Mandatory Criterion. This review will not assess whether the Technical Bid meets any standard or is responsive to all solicitation requirements. Eligible Mandatory Criteria are all mandatory technical criteria that are identified in this solicitation as being subject to the PBCP. Mandatory technical criteria that are not identified in the solicitation as being subject to the PBCP, will not be evaluated until Phase III.
- b) Canada will send a written notice to the Bidder (Compliance Assessment Report or "CAR") identifying any Eligible Mandatory Criteria that the Bid has failed to meet. A Bidder whose Bid has been found responsive to the requirements that are reviewed at Phase II will receive a CAR that states that its Bid has been found responsive to the requirements reviewed at Phase II. Such Bidder shall not be entitled to submit any response to the CAR.
- c) A Bidder shall have the period specified in the CAR (the "Remedy Period") to remedy the failure to meet any Eligible Mandatory Criterion identified in the CAR by providing to Canada in writing additional or different information or clarification in response to the CAR. Responses received after the end of the Remedy Period will not be considered by Canada, except in circumstances and on terms expressly provided for in the CAR.
- d) The Bidder's response must address only the Eligible Mandatory Criteria listed in the CAR as not having been achieved, and must include only such information as is necessary to achieve such compliance. Any additional information provided by the Bidder which is not necessary to achieve such compliance will not be considered by Canada, except that, in those instances where such a response to the Eligible Mandatory Criteria specified in the CAR will necessarily result in a consequential change to other parts of the Bid, the Bidder shall identify such additional changes, provided that its response must not include any change to the Financial Bid.
- e) The Bidder's response to the CAR should identify in each case the Eligible Mandatory Criterion in the CAR to which it is responding, including identifying in the corresponding section of the original Bid, the wording of the proposed change to that section, and the wording and location in the Bid of any other consequential changes that necessarily result from such change. In respect of any such consequential change, the Bidder must include a rationale explaining why such consequential change is a necessary result of the change proposed to meet the Eligible Mandatory Criterion. It is not up to Canada to revise the Bidder's Bid, and failure of the Bidder to do so in accordance with this subparagraph is at the Bidder's own risk. All submitted information must comply with the requirements of this solicitation.
- f) Any changes to the Bid submitted by the Bidder other than as permitted in this solicitation, will be considered to be new information and will be disregarded. Information submitted in accordance with the requirements of this solicitation in response to the CAR will replace, in full, **only** that part of the original Bid as is permitted in this Section.
- g) Additional or different information submitted during Phase II permitted by this section will be considered as included in the Bid, but will be considered by Canada in the evaluation of the Bid at Phase II only for the purpose of determining whether the Bid meets the Eligible Mandatory Criteria. It will not be used at any Phase of the evaluation to increase or

decrease any score that the original Bid would achieve without the benefit of such additional or different information. For instance, an Eligible Mandatory Criterion that requires a mandatory minimum number of points to achieve compliance will be assessed at Phase II to determine whether such mandatory minimum score would be achieved with such additional or different information submitted by the Bidder in response to the CAR. If so, the Bid will be considered responsive in respect of such Eligible Mandatory Criterion, and the additional or different information submitted by the Bidder shall bind the Bidder as part of its Bid. but the Bidder's original score, which was less than the mandatory minimum for such Eligible Mandatory Criterion, will not change, and it will be that original score that is used to calculate any score for the Bid.

- h) Canada will determine whether the Bid is responsive for the requirements reviewed at Phase II, considering such additional or different information or clarification as may have been provided by the Bidder in accordance with this Section. If the Bid is not found responsive for the requirements reviewed at Phase II to the satisfaction of Canada, then the Bid shall be considered non-responsive and will receive no further consideration.
- i) Only Bids found responsive to the requirements reviewed in Phase II to the satisfaction of Canada, will receive a Phase III evaluation.

#### **4.1.1.4 Phase III: Final Evaluation of the Bid**

- a) In Phase III, Canada will complete the evaluation of all Bids found responsive to the requirements reviewed at Phase II. Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- b) A Bid is non-responsive and will receive no further consideration if it does not meet all mandatory evaluation criteria of the solicitation.

### **4.1.2 Technical Evaluation**

#### **4.1.2.1 Mandatory Technical Criteria**

The Phased Bid Compliance Process (PBCP) will apply only to the evaluation of the Certificates of Compliance and Material Data Sheets and the submission of the Pre-Award Samples (PAS) and Component Samples. The evaluation of the PAS and Component Samples will not be subject to the Phased Bid Compliance Process. Therefore, rejection of the pre-award samples and component samples will automatically result in the bid being declared non-responsive.

Bidders must provide substantiation in detail as to how a mandatory criterion is met or provide cross-reference to identify the page(s) where a mandatory criterion is demonstrated in their technical offer. Canada reserves the right to verify any and all information submitted.

##### **4.1.2.1.1 Pre-Award Samples and Supporting Documentation**

As part of the technical evaluation, to confirm a Bidder's capability of meeting the technical requirements, one (1) pre-award sample of each of the items below along with certificates of compliance, component samples and material data sheets will be required from low Bidders after the bid closing date upon a written request from the Contracting Authority.

## A) PRE-AWARD SAMPLES

ITEM	SIZE	STOCK #
1. Soft Body Armour, Carrier, External, Flat Panels	42537	8075-339
2. Soft Body Armour, Carrier, External, Female Panels	38333	8078-100

*Reference RCMP Specifications G.S. 1045-360 and G.S. 1045-368 dated 2018-12-21.*

*Appendix 6 to Annex B 368, SBA, Carrier, External, Female Panels – 8078-100 Size 38333 for PAS.*

- i) The samples must be properly identified with the size and the RCMP stock number.
- ii) The Bidder must ensure that the required pre-award samples are manufactured in accordance with the technical requirement and are fully representative of the bid submitted.
- iii) The following Government Available Material will be provided at no cost to bidders who are requested to provide a pre-award sample:
  - a) Shell Material as per Para. 4.1.1, Black
  - b) Lining Material as per Para. 4.1.2, Black
- iv) The pre-award samples will be evaluated for quality of workmanship and conformance to specified materials and measurements. Minor observations will not be a reason to reject the sample unless, in the opinion of the technical evaluator, they are considered to render the item unserviceable. However, only one deviation will result in the bid being declared non-responsive.

### A.1 Viewing Samples

RCMP viewing samples will be provided to Bidders who are requested to provide pre-award samples and are to be used for guidance for all factors not covered by the RCMP Specifications. The RCMP Specifications shall govern. The viewing samples are the property of the RCMP.

The viewing samples are not to be damaged or cut, but returned in the same condition as sent to the Bidder. The viewing samples should be returned to PWGSC with the pre-award samples. If the viewing samples are not returned with the pre-award samples, the Bidder will have fourteen (14) calendar days upon written notice from the Contracting Authority to return the viewing samples. Failure to return the viewing samples within that timeframe will result in the bid being declared non-responsive. If the Bidder elects not to submit pre-award samples, the viewing samples must be returned to the RCMP within fourteen (14) calendar days of the written request from the Contracting Authority. Lost or damaged viewing samples must be reimbursed to the RCMP for the cost of an acceptable replacement.

### A.2 Patterns

Paper patterns and electronic patterns of the items and sizes will be provided to a Bidder who is requested to supply pre-award samples. The patterns are the property of the RCMP. The paper patterns should be returned with the pre-award samples and the electronic patterns must be destroyed and/or deleted. If the paper patterns are not returned with the pre-award samples, the Bidder will have fourteen (14) calendar days upon written notice from the Contracting Authority to return the paper patterns. Failure to return the paper patterns within that timeframe will result in the bid being declared non-responsive. If a Bidder fails to submit pre-award samples within the prescribed amount of time or chooses not to submit pre-award samples, the paper patterns must be returned to the RCMP within fourteen (14) calendar days of written notification from the

Contracting Authority and the electronic patterns must be destroyed. Electronic patterns provided to a Bidder must be destroyed and/or deleted should a contract not be awarded to the Bidder. The RCMP may request a confirmation from the Bidder that the electronic patterns have been destroyed and/or deleted.

The bidder shall specify their preference for paper or electronic patterns.

- Paper Pattern
- Electronic Pattern

## **B) CERTIFICATES OF COMPLIANCE**

The certificates of compliance (as defined hereunder) are required with the pre-award samples. The Certificates of compliance must be dated within 6 months of the solicitation posting date. When a component is found in both specifications only one Certificate of Compliance needs to be submitted and would be acceptable for both specifications. The following Certificates are required:

- a) Nylon webbing, Paragraph 4.1.3.1 & 4.1.3.2, of Specifications 360 and 368
- b) Thread, Paragraph 4.1.4.1 & 4.1.4.2, of Specifications 360 and 368
- c) Hook and Loop tape, Paragraph 4.1.5, of Specifications 360 and 368
- d) Slide Fasteners, Paragraph 4.1.6.1 & 4.1.6.2, of Specifications 360 and 368
- e) Neoprene padding, Paragraph 4.1.9, of Specifications 360 and 368
- f) Fusing, Paragraph 4.1.10, of Specifications 360 and 368
- g) Heat Transfer Vinyl 4.1.11, of Specifications 360 and 368

*Reference RCMP Specifications G.S. 1045-360 and G.S. 1045-368 dated 2018-12-21.*

### **CERTIFICATE OF COMPLIANCE – DEFINITION**

- i) A Certificate of Compliance is defined, for this document, as a signed and dated certification to confirm that a specified component or requirement adheres to the specification. The certification must be prepared, signed and dated by an official representative of the component manufacturer using company letterhead making reference to the specification number and paragraph number. It must specifically address the component or requirement and compliance can be shown by referring to a part number, by providing the component values, by providing a manufacturing data sheet to show technical compliance or by a description stating compliance to the requirement. In-house testing is acceptable to show compliance. Copying the specification word for word is not acceptable.
- ii) A separate certificate of compliance is required for each individual component or requirement. Multiple components supplied by the same component manufacturer may be submitted on one certificate of compliance as long as the paragraph numbers and components are clearly identified. With this document, the Bidder certifies that the product for which the certificate of compliance is issued is the same product used in the bid submission, or in the pre-award samples or in the pre-production samples, or in the production units as applicable.
- iii) The Bidder is to note that copies of invoices, purchase orders, packing slips and certificates of compliance for products or components that are not manufactured by the certifier are not suitable for use as a certificate of compliance.

- iv) Original Version: The RCMP reserves the right to request the original version of any Certificate of Compliance provided by the Bidder. The Bidder will have three (3) calendar days upon written notice from the Contracting Authority to provide the original Certificate(s) of Compliance. Failure to provide the original Certificate(s) of Compliance within that timeframe may result in the bid being declared non-responsive.

### **C) MATERIAL DATA SHEETS AND COMPONENT SAMPLES**

A component sample is required for the following and must include a Material Data Sheet.

- a) Shell Material, ¼ meter in any colour plus a Material Data sheet from the supplier of cloth that will be used in production, Paragraph 4.1.1, of Specifications 360 and 368.
- b) Lining Material, ¼ meter in any colour plus a Material Data sheet from the supplier of cloth that will be used in production once GAM is depleted, Paragraph 4.1.2, of Specifications 360 and 368.
- c) Elastic, 30 cm sample of each of 3", 4", 5", 6" and 7" plus a Material Data Sheet, Paragraph 4.1.7.1, of Specifications 360 and 368.
- d) Elastic, 30 cm sample plus a Material Data Sheet, Paragraph 4.1.7.2, of Specifications 360 and 368

*Reference RCMP Specifications G.S. 1045-360 and G.S. 1045-368 dated 2018-12-21.*

### **COMPONENT SAMPLE – DEFINITION**

A component sample is a piece or part used in the overall construction of the item. The component requirement is indicated in the specification and the sample submitted shall adhere to the specification requirements.

### **MATERIAL DATA SHEET – DEFINITION**

A material data sheet is a document that describes the composition and properties of the specified component. The material data sheet must contain information relevant to the characteristics of the material including: construction, fibre content, thickness, and model number.

### **D) SUBMISSION OF PRE-AWARD SAMPLES AND SUPPORTING DOCUMENTATION**

- i) The Bidder will be advised when the pre-award samples, certificates of compliance, component sample and material data sheet are required.
- ii) The Bidder must deliver the required pre-award samples, certificates of compliance, component sample and material data sheet at no charge to Canada and must ensure that they are received within 35 calendar days from PWGSC's written request.
- iii) Failure to submit the required pre-award samples, certificates of compliance, component sample and material data sheet within the specified time frame will result in the bid being declared non-responsive. The samples, certificates of compliance and material data sheet submitted by the Bidder will remain the property of Canada.
- iv) Rejection of the pre-award samples, certificates of compliance, component sample and material data sheet will result in the bid being declared non-responsive.

- v) The requirement for pre-award samples, certificates of compliance, component sample and material data sheet will not relieve the successful Bidder from submitting samples, certificates and data sheets as required by the contract terms or from strictly adhering to the technical requirement of this Request for Proposal and any resultant contract.

#### **4.1.3 Financial Evaluation**

##### **4.1.3.1 Mandatory Financial Criteria**

- a) The Bidder must submit firm unit prices in Canadian dollars, applicable taxes are excluded, DDP (destination as identified in Annex A) Incoterms 2000, transportation costs included, all applicable Customs Duties and Excise taxes included.
- b) The Bidder must submit firm unit pricing for all items including "as and when requested" quantities.

##### **4.1.3.2 SACC MANUAL CLAUSE**

[A9033T](#) 2012/07/16 Financial Capability

#### **4.2 Basis of Selection**

To be declared responsive, a bid must:

- a) comply with all the requirements of the Request for Proposal; and
- b) meet all mandatory technical and financial evaluation criteria.

Bids not meeting (a) or (b) will be declared non-responsive.

Evaluation will be established using the firm quantity, 100% of the option quantities (stock sizes) and 100% of the "as and when requested" quantities (non stock sizes). For the financial evaluation of the "as and when requested", the unit price that will be used will be determined by calculating the average of the unit prices submitted for each year. Canada reserves the right to award two (2) contracts. The responsive bid with the lowest aggregate price will be recommended for the award of a contract for 60% of the quantities required. The responsive bid with the 2nd lowest aggregate price will be recommended for the award of a contract for 40% of the quantities required. If there is only one (1) responsive bid, 100% of the required quantities will be assigned to that Bidder.

#### **4.3 Contract Financial Security**

1. If this bid is accepted, the Bidder may be required to provide contract financial security, after the bid closing date and within 10 calendar days from receipt of a written request from the Contracting Authority.
  - a) a security deposit as defined in clause "Security Deposit Definition" in the amount of up to ten percent (10%) of the contract price.
2. Security deposits in the form of government guaranteed bonds with coupons attached will be accepted only if all coupons that are unmaturing, at the time the security deposit is provided, are attached to the bonds. The Contractor must provide written instructions concerning the action to be taken with respect to coupons that will mature while the bonds are pledged as security, when such coupons are in excess of the security deposit requirement.
3. If Canada does not receive the required financial security within the specified period, Canada may, as its discretion, accept another offer, issue a new bid solicitation, award a contract or reject all the bids.

#### 4.4 Security Deposit Definition

1. "security deposit" means
  - a) a bill of exchange that is payable to the Receiver General for Canada, and certified by an approved financial institution or drawn by an approved financial institution on itself; or
  - b) a Government guaranteed bond; or
  - c) an irrevocable standby letter of credit, or
  - d) such other security as may be considered appropriate by the Contracting Authority and approved by Treasury Board.
2. "approved financial institution" means
  - a) any corporation or institution that is a member of the Canadian Payments Association;
  - b) a corporation that accepts deposits that are insured by the Canada Deposit Insurance Corporation or the "Régie de l'assurance-dépôts du Québec" to the maximum permitted by law;
  - c) a credit union as defined in paragraph 137(6) the *Income Tax Act*;
  - d) a corporation that accepts deposits from the public, if repayment of the deposits is guaranteed by Canadian province or territory; or
  - e) the Canada Post Corporation.
3. "government guaranteed bond" means a bond of the Government of Canada or a bond unconditionally guaranteed as to principal and interest by the Government of Canada that is:
  - a) payable to bearer;
  - b) accompanied by a duly executed instrument of transfer of the bond to the Receiver General for Canada in accordance with the *Domestic Bonds of Canada Regulations*;
  - c) registered in the name of the Receiver General for Canada.
4. "irrevocable standby letter of credit"
  - a) means any arrangement, however named or described, whereby a financial institution (the "Issuer"), acting at the request and on the instructions of a customer (the "Applicant"), or on its behalf,
    - (i) will make a payment to or to the order of Canada, as the beneficiary;
    - (ii) will accept and pay bills of exchange drawn by Canada;
    - (iii) authorizes another financial institution to effect such payment, or accept and pay such bills of exchange; or
    - (iv) authorizes another financial institution to negotiate, against written demand(s) for payment, provided that the conditions of the letter of credit are complied with.
  - b) must state the face amount which may be drawn against it;
  - c) must state its expiry date;

- d) must provide for sight payment to the Receiver General for Canada by way of the financial institution's draft against presentation of a written demand for payment signed by the authorized departmental representative identified in the letter of credit by his/her office;
- e) must provide that more than one written demand for payment may be presented subject to the sum of those demands not exceeding the face amount of the letter of credit;
- f) must provide that it is subject to the International Chamber of Commerce (ICC) Uniform Customs and Practice (UCP) for Documentary Credits, 2007 Revision, ICC Publication No. 600. Pursuant to the ICC UCP, a credit is irrevocable even if there is no indication to that effect; and
- g) must be issued (Issuer) or confirmed (Confirmer), in either official language, by a financial institution that is a member of the Canadian Payments Association and is on the letterhead of the Issuer or Confirmer. The format is left to the discretion of the Issuer or Confirmer.

## PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Unless specified otherwise, Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

### 5.1 Certifications Required with the Bid

Bidders must submit the following duly completed certifications as part of their bid.

#### 5.1.1 Integrity Provisions – Declaration of Convicted Offences

In accordance with the Integrity Provisions of the Standard Instructions, all bidders must provide with their bid, **if applicable**, the declaration form available on the [Forms for the Integrity Regime](http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html) website (<http://www.tpsgc-pwgsc.gc.ca/ci-if/declaration-eng.html>), to be given further consideration in the procurement process.

#### 5.1.2 Ethical Procurement Certification

The ethical considerations for procurement of apparel certification document attached to this solicitation at Annex "D" is incorporated by reference into, and forms a binding part of the bid solicitation. The Bidder must comply with the certification.

By submitting a bid in response to this bid solicitation, the Bidder certifies that:

- a) it has read and understands the certification attached to this solicitation;
- b) it understands that the eight fundamental human and labour rights laid out in the certification document must be complied with or the bid may be declared non-responsive, or Canada may terminate any resulting contract for default.

## 5.2 Certifications Precedent to Contract Award and Additional Information

The certifications and additional information listed below should be submitted with the bid, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the bid non-responsive.

### 5.2.1 Integrity Provisions – Required Documentation

In accordance with the section titled Information to be provided when bidding, contracting or entering into a real procurement agreement of the [Ineligibility and Suspension Policy \(http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html\)](http://www.tpsgc-pwgsc.gc.ca/ci-if/politique-policy-eng.html), the Bidder must provide the required documentation, as applicable, to be given further consideration in the procurement process.

### 5.2.2 Federal Contractors Program for Employment Equity – Bid Certification

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "[FCP Limited Eligibility to Bid](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#)" list available at the bottom of the page of the [Employment and Social Development Canada \(ESDC\) - Labour's website \(https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#\)](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#).

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "FCP Limited Eligibility to Bid" list at the time of contract award.

Canada will also have the right to terminate the Contract for default if a Contractor, or any member of the Contractor if the Contractor is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](https://www.canada.ca/en/employment-social-development/programs/employment-equity/federal-contractor-program.html#)" list during the period of the Contract.

The Bidder must provide the Contracting Authority with a completed annex titled Federal Contractors Program for Employment Equity - Certification, before contract award. If the Bidder is a Joint Venture, the Bidder must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification, for each member of the Joint Venture.

### 5.2.3 Additional Certifications Precedent to Contract Award

#### 5.2.3.1 Canadian Content Certification

This procurement is limited to Canadian goods.

The Bidder certifies that:

( ) the good(s) offered are Canadian goods as defined in paragraph 1 of clause [A3050T](#).

#### 5.2.3.1.1 SACC Manual clause [A3050T](#) (2014/11/27) Canadian Content Definition

##### **Rules of Origin – Apparel**

With reference to the Canadian Content Certification clause, apparel goods are considered to be Canadian goods according to the North American Free Trade Agreement Rules of Origin as follows:

Apparel goods classified in Chapters 61 and 62 of the Harmonized System that are both cut (or knit to shape) and sewn in Canada will be considered Canadian goods.

##### **Plant Location**

Items will be manufactured at: \_\_\_\_\_

#### 5.2.3.2 Samples and Production Certification

The Bidder certifies that:

- ( ) The manufacturer that produced the pre-award samples will remain unchanged for the pre-production samples and full production of the contract quantity, including option quantities (stock sizes) and “as and when requested” quantities (non-stock sizes), if exercised.
- ( ) The components that are used in the pre-production samples will remain unchanged for full production of the contract quantity, including option quantities (stock sizes) and “as and when requested” quantities (non-stock sizes), if exercised.

### **PART 6 – RESULTING CONTRACT CLAUSES**

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

#### **6.1 Security Requirements**

There is no security requirement applicable to the Contract.

#### **6.2 Requirement**

The Contractor must provide the items detailed under “Requirement” at Annex « A ».

#### **6.3 Standard Clauses and Conditions**

All clauses and conditions identified in the Contract by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) issued by Public Works and Government Services Canada.

##### **6.3.1 General Conditions**

[2030](#) (2018-06-21), General Conditions – Goods (Higher Complexity), apply to and form part of the Contract.

## **6.4 Term of Contract**

### **6.4.1 Delivery Requested (desirable) – Firm Quantity**

The RCMP is requesting that the first shipment of the firm quantity be made within 45 calendar days from the date of the written notice of approval of the pre-production samples and supporting documentation, including certificates of compliance described at Article 6.16 in addition to test reports and component samples described at Article 6.17.

#### **Delivery – Firm Quantity – Phased – Item 1**

The first delivery must be made within \_\_\_\_\_ calendar days from the date of the written notice of approval of the pre-production samples and supporting documentation, including certificates of compliance described at Article 6.16 in addition to test reports and component samples described at Article 6.17. The quantity delivered must be \_\_\_\_\_ units. The balance must be delivered at the rate of \_\_\_\_\_ units weekly after the first delivery until completion of the Contract.

#### **Delivery Requested (desirable) – Option 1, 2, 3 and 4**

The RCMP is requesting that the first shipment of the option quantity be made within 45 calendar days from the date of the written notice of approval of the supporting documentation, including test reports and component samples described at Article 6.17, as well as the amendment of the contract exercising the option and after the last delivery of the contract quantity.

#### **Delivery – Phased – Option 1, 2, 3, and 4**

The first delivery of the option quantity must be made within \_\_\_\_\_ calendar days from the date of the written notice of approval of the supporting documentation, including test reports and component samples described at Article 6.17. The quantity delivered must be \_\_\_\_\_ units. The balance must be delivered at the rate of \_\_\_\_\_ units weekly after the first delivery until completion of the Contract.

#### **6.4.1.1 Shipping Instructions – Delivery at Destination**

1. Goods must be consigned to the destination specified in the Contract and delivered:
  - a) Delivered Duty Paid (DDP) (destination identified in Annex « A ») Incoterms 2000 for shipments from commercial contractor.

#### **6.4.1.2 Packaging, Marking, Rejected Goods, Overrun and Underrun**

##### **Packaging**

Packing must be in accordance with standard commercial practice to ensure safe delivery at destination. Ten (10) units to be placed in a plain shipping container 22"L x 22"W x 8.5"D.

##### **Marking**

- a) Marking and labelling to be in accordance with the Specifications.
- b) Size, quantity and RCMP Stock Item Number to be indicated on single unit package, when specified.
- c) Sizes, quantities and RCMP Stock Item Numbers to be indicated on carton.

d) Proper shipping documents must accompany each shipment. Packing slips must include the contract number, item description, size, RCMP stock item number and quantity per size being shipped.

e) Manufacturer's markings/advertisements will not appear on this item except on the inside label as per the specification/purchase description. Failure to comply with this article may result in rejection of goods upon inspection.

### **Rejected Goods**

If any goods are rejected and are sold to commercial outlets, all RCMP markings and insignia, if applicable, must be removed before being turned over to the purchaser.

### **Overrun/Underrun**

The quantities stated herein represent the quantities to be delivered in satisfaction of this requirement/contract. No overruns or underruns will be permitted. However, should the Contractor experience an overrun, they must provide the details in writing to the Contracting Authority only after contracted quantities have been accepted by the RCMP. At their discretion, the Government may consider all or part of the overruns at a discount from the firm price on the original Contract. Any unauthorized overruns will be returned to the contractor at their expense.

## **6.5 Authorities**

### **6.5.1 Contracting Authority**

The Contracting Authority for the Contract is:

Johanne Baker  
Public Works and Government Services Canada  
Acquisitions Branch  
Commercial and Consumer Products Directorate (CCPD)  
Clothing & Textiles Division  
L'Esplanade Laurier East Tower, 7055  
140 O'Connor, Ottawa, Ontario K1A 0R5  
Telephone: 613-854-9253 Facsimile: 613-943-7970  
E-mail address: [Johanne.baker@tpsgc-pwgsc.gc.ca](mailto:Johanne.baker@tpsgc-pwgsc.gc.ca)

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

### **6.5.2 Technical Authority**

The Technical Authority for this Contract is:

Royal Canadian Mounted Police - Uniform & Equipment Program  
Design and Technical Authority Section  
440 Coventry Road (Warehouse Bldg.)  
Ottawa, Ontario  
K1A 0R2

The Technical Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical

content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

### 6.5.3 Contractor's Representative

The person responsible for:

#### General enquiries

Name: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

Facsimile No.: \_\_\_\_\_

E-mail address: \_\_\_\_\_

#### Delivery follow-up

Name: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

Facsimile No.: \_\_\_\_\_

E-mail address: \_\_\_\_\_

## 6.6 Payment

### 6.6.1 Basis of Payment – Firm Unit Price(s)

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid firm unit prices, as specified at Annex A for a cost of \$\_\_\_\_\_ (amount to be inserted at contract award). Customs duties and transportation costs are included and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

### 6.6.2 SACC Manual Clauses

[H1001C](#) 2008/05/12 Multiple Payments

### 6.6.3 Electronic Payment of Invoices – Contract

The Contractor accepts to be paid using any of the following Electronic Payment Instrument(s):

- a) Direct Deposit (Domestic and International).

## 6.7 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.

2. Invoices must be distributed as follows:

- a) One copy marked original must be forwarded to the following address for certification and payment.  
Royal Canadian Mounted Police  
Uniform & Equipment Program  
Email: \_\_\_\_\_ (to be inserted at contract award)
- b) One (1) copy must be forwarded to the Contracting Authority identified under the section entitled "Authorities" of the Contract.

## 6.8 Certifications and Additional Information

### 6.8.1 Compliance

Unless specified otherwise, the continuous compliance with the certifications provided by the Contractor in its bid or precedent to contract award, and the ongoing cooperation in providing additional information are conditions of the Contract and failure to comply will constitute the Contractor in default. Certifications are subject to verification by Canada during the entire period of the Contract.

### 6.8.2 SACC Manual Clauses

[A3060C](#)      2008/05/12      Canadian Content Certification

### 6.9 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

### 6.10 Priority of Documents

If there is a discrepancy between the wordings of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- a) the Articles of Agreement;
- b) the general conditions 2030 (2018-06-21), General Conditions – Goods (Higher Complexity);
- c) Annex « A » – Requirement;
- d) Annex B – Specification G.S. 1045-360 and Specification G.S. 1045-368 dated 2018-12-21 and associated appendices;
- e) Patterns;
- f) Viewing Samples;
- g) the Contractor's bid dated \_\_\_\_\_ .

### 6.11 Materials: Contractor's Total Supply and Government Available Material

The Contractor will be responsible for obtaining all materials required in the manufacture of the item(s) specified, including those materials specified as being Government available and which must be purchased from the Government. The delivery stated herein allows the necessary time to obtain such materials.

## 6.12 Plant Closing

The Contractor's plant closing for Christmas and summer holidays are as follows. During this time there will be no shipments.

Year 1	Summer Holiday	FROM _____	TO _____
	Christmas Holiday	FROM _____	TO _____
Year 2	Summer Holiday	FROM _____	TO _____
	Christmas Holiday	FROM _____	TO _____
Year 3	Summer Holiday	FROM _____	TO _____
	Christmas Holiday	FROM _____	TO _____
Year 4	Summer Holiday	FROM _____	TO _____
	Christmas Holiday	FROM _____	TO _____

## 6.13 Plant Location

Items will be manufactured at: \_\_\_\_\_

## 6.14 Subcontractor(s)

The following subcontractor(s) will be utilized in the performance of the contract.

Name of Company: \_\_\_\_\_

Location: \_\_\_\_\_

Value of subcontract: \$ \_\_\_\_\_

Nature of subcontracting work performed: \_\_\_\_\_

Subcontractors, other than those listed above, may not be utilized without the written permission of Canada.

## 6.15 Ethical Apparel

The ethical procurement certification incorporated into the bid solicitation on its closing date is incorporated into, and forms a binding part of the Contract. The Contractor must ensure continuous compliance with the provisions of the ethical procurement certification that was signed during the bidding process throughout the duration of the Contract.

The origin of work clause incorporated into the bid solicitation on its closing date is incorporated into, and forms a binding part of the Contract. It is the Contractor's responsibility to ensure continuous accuracy with the origin of work information provided with their bid and must immediately inform Canada in writing of any and all changes affecting the information provided under the origin of work clause during the entire contract period. The certification is subject to verification by Canada at any given time during the period of the Contract. If the certification is found to be untrue Canada may declare a bid non-responsive or may declare a Contractor in default, whether made knowingly or unknowingly during the bid evaluation period or during the

contract period. The continuing obligation to maintaining this certification is a material obligation of the Contract.

## 6.16 Pre-Production Requirements

Unless a waiver is granted by the RCMP Technical Authority, the following pre-production requirements are required for evaluation prior to full production. Requests for a waiver by the Contractor must be submitted in writing to the Contracting Authority. The waiving of the pre-production requirements will be at the sole discretion of the Technical Authority. The Technical Authority will provide notification of the waiver in writing to the Contractor and Contracting Authority.

### A) Pre-Production Samples

ITEM	SIZE	STOCK #
1. Soft Body Armour, Carrier, External, Flat Panels	42537	8075-339
2. Soft Body Armour, Carrier, External, Female Panels	38333	8078-100

*Reference RCMP Specifications G.S. 1045-360 and G.S. 1045-368 dated 2018-12-21.*

### B) Certificate of Compliance

The Certificates of compliance (as defined hereunder) are required with the pre-production sample. The Certificates of compliance must be dated within 12 months of contract award. When a component is found in both specifications only one Certificate of Compliance needs to be submitted and would be acceptable for both specifications. The following Certificates are required:

- Nylon webbing, Paragraph 4.1.3.1 & 4.1.3.2, of Specifications 360 and 368
- Thread, Paragraph 4.1.4.1 & 4.1.4.2, of Specifications 360 and 368
- Hook and Loop tape, Paragraph 4.1.5, of Specifications 360 and 368
- Slide Fasteners, Paragraph 4.1.6.1 & 4.1.6.2, of Specifications 360 and 368
- Neoprene padding, Paragraph 4.1.9, of Specifications 360 and 368
- Fusing, Paragraph 4.1.10, of Specifications 360 and 368
- Heat Transfer Vinyl 4.1.11, of Specifications 360 and 368

### C) Submission of Pre-Production Samples and Supporting Documents

- The pre-production samples and certificates of compliance are due within 35 calendar days from date of contract award and must be submitted at no charge to Canada.
- If the pre-production samples or certificates of compliance are rejected, the Contractor must submit second pre-production samples or certificates of compliance within 21 calendar days of notification of rejection from the Technical Authority.
- If the pre-production samples and certificates of compliance are accepted by either full acceptance or conditional acceptance, the Contractor must proceed with production as per the Contract requirements.

4. Rejection by the Technical Authority of the second pre-production samples or certificates of compliance by the Contractor for failing to meet the contract requirements will be grounds for termination of the Contract for default.
5. The Contractor must carry out all required inspection and tests to verify conformance to the technical requirements of the Contract.
6. The pre-production samples and certificates of compliance submitted by the Contractor will remain the property of Canada.
7. The Technical Authority will notify the Contractor, in writing, of the full acceptance, conditional acceptance, or rejection of the pre-production samples and certificates of compliance. A copy of this notification will also be provided by the Technical Authority to the Contracting Authority. The notice of the full acceptance or conditional acceptance does not relieve the Contractor from complying with all requirements and conditions of the Contract.
8. The Contractor must not commence or continue with production of the items and must not make any deliveries until the Contractor has received a written notification from the Technical Authority that the pre-production samples and certificates of compliance are fully acceptable or conditionally acceptable. Any production of items before pre-production sample acceptance will be at the sole risk of the Contractor.

#### **6.17 Technical Requirements During Production**

##### **Test Report(s)**

Test reports are required for every new material lot number used for all orders throughout the contract. The test reports must identify the manufacturer and lot number and must be submitted to the Technical Authority for approval prior to using the material in production. The test reports must be dated after contract award and all tests must be performed on the same material within a two week period. First production lot test reports are required within 60 days of contract award.

- a) Paragraph 4.1.1, Shell Material, Table I - requirements 2 and 4 through 14 is required.
- b) Paragraph 4.1.2, Lining material, Table II - requirements 2 and 4 through 10 is required.  
The testing must be completed on the new material lot purchased by the contractor.

Only one set of test reports is required for both Specifications 360 and 368.

##### **Test Report – Definition**

Test report documents signed and dated by an independent, third-party accredited laboratory acceptable to the RCMP shall include the test method, test conditions and test results performed to verify requirements as specified in this specification. Testing for each table shall be performed in its entirety on the same garment and/or piece of material to adhere to all specified test methods and conditions.

##### **Component Samples**

A component sample is required for the following:

A one (1) meter piece of each new production lot is required.

- a) Paragraph 4.1.1, Shell Material of Specifications 360 and 368
- b) Paragraph 4.1.2, Lining material of Specifications 360 and 368

First production lot component samples are required within 60 calendar days of contract award.

## **COMPONENT SAMPLE – DEFINITION**

A component sample is a piece or part used in the overall construction of the item. The component requirement is indicated in the specification and the sample submitted shall adhere to the specification requirements.

### **6.18 Additional Production Requirements**

The RCMP has the right to request one or more Production Sample(s), Certificate(s) of Compliance, Component Sample(s), Test Report(s) and/or Material Data Sheet(s) at its discretion at any time during the contracting and production stage in order to ensure technical compliance with the requirements of the Contract. This request will be done in writing by the Contracting Authority. Rejection by the Technical Authority of one or more Production Sample(s), Certificate(s) of Compliance, Component Sample(s), Test Report(s) and/or Material Data Sheet(s) for failing to meet the Contract requirements will be grounds for termination of the Contract for default. The sample(s), certificate(s), report(s) and/or data sheet(s) submitted by the Contractor will remain the property of Canada.

### **6.19 Patterns**

The full set of electronic patterns will be provided by the RCMP to the Contractor following contract award (refer to Appendix A of the specification G.S. 1045-360 and G.S. 1045-368). The patterns are the property of the RCMP and all patterns must be destroyed and/or deleted from the Contractor's computer system upon completion of the Contract.

### **6.20 Viewing Samples – Guidance Only**

The viewing samples are to be used for guidance for all factors not covered by the RCMP specifications. The RCMP specifications shall govern.

### **6.21 Viewing Samples – Return to Sender**

The viewing samples which may have been sent to the Contractor must be returned to the RCMP upon completion of the Contract and at the expense of the Contractor.

The viewing samples are not to be mutilated or cut, and must be returned in the same condition as sent to the Contractor.

Lost or damaged viewing samples and patterns must be reimbursed to the RCMP for the cost of an acceptable replacement.

## **6.22 Specification and Standards**

### **6.22.1 Canadian General Standards Board (CGSB) – Standards**

A copy of the CGSB Standards referred to in the Contract is available and may be purchased from:

Canadian General Standards Board  
Place du Portage III, 6B1  
11 Laurier Street  
Gatineau, Québec  
Telephone: (819) 956-0425 or 1-800-665-CGSB (Canada only)  
Fax: (819) 956-5740  
E-mail: [ncr.cgsb-ongc@pwgsc-tpsgc.gc.ca](mailto:ncr.cgsb-ongc@pwgsc-tpsgc.gc.ca)  
CGSB Website: <https://www.tpsgc-pwgsc.gc.ca/ongc-cgsb/index-eng.html>

#### **6.22.2 ASTM International – Standards**

A copy of the ASTM Standards referred to in the contract is available and may be purchased from:

ASTM Headquarters  
100 Barr Harbor Drive  
PO Box C700  
West Conshohocken, PA  
19428-2959 USA  
Telephone: 1-877-909-2786 (USA & Canada) or 610-832-9585 (International)  
ATSM Website: <http://www.astm.org/Standard/>

#### **6.22.3 International Standards Organization (ISO) – Standards**

A copy of the ISO Standards referred to in the Contract is available and may be purchased from:

International Organization for Standardization  
ISO Central Secretariat  
Chemin de Blandonnet 8  
CP 401  
1214 Vernier, Geneva  
Switzerland  
Telephone: +41 22 749 01 11  
Fax: +41 22 733 34 30  
E-mail: [central@iso.org](mailto:central@iso.org)  
ISO Website: <http://www.iso.org/iso/home.html>

#### **6.22.4 American Association of Textile Chemists and Colorists (AATCC)**

A copy of the AATCC referred to in the Contract is available and may be purchased from:

American Association of Textile Chemists and Colorists  
PO Box 12215  
Research Triangle Park,  
NC 27709-2215 USA  
Telephone: (919) 549-8141  
Fax: (919) 549-8933  
AATCC Website: <http://www.aatcc.org/>

#### **6.23 Procedures for Design Change/Deviation**

When it is necessary to depart, either temporarily or permanently, from the governing technical data in a Contract, the Technical Authority or the Contractor may originate a request for design change or deviation.

If the Technical Authority initiates the design change or deviation process, section 1 of form [PWGSC-TPSGC 9038 Design Change/Deviation](#) must be completed and one copy must be sent to the Contractor and Contracting Authority. When required, copies of the supporting technical data should be submitted.

After providing the contractual information required, the Contractor will send a copy of the design form to the Technical Authority and to the Contracting Authority.

The Contractor will be authorized to proceed upon receipt of the design change/deviation form signed by the Contracting Authority. A contract amendment will be issued to incorporate the design change/deviation in the Contract.

## 6.24 Financial Security

1. Canada may convert the security deposit to the use of Canada if any circumstance exists which would entitle Canada to terminate the Contract for default, but any such conversion will not constitute termination of the Contract.
2. Where Canada so converts the security deposit:
  - a) the proceeds will be used by Canada to complete the Work according to the conditions of the Contract, to the nearest extent that it is feasible to do so and any balance left will be returned to the Contractor on completion of the warranty period; and
  - b) if Canada enters into a Contract to have the Work completed, the Contractor will:
    - j) be considered to have irrevocably abandoned the Work; and
    - (ii) remain liable for the excess cost of completing the Work if the amount of the security deposit is not sufficient for such purpose. "Excess cost" means any amount over and above the amount of the Contract Price remaining unpaid together with the amount of the security deposit.
3. If Canada does not convert the security deposit to the use of Canada before completion of the contract period, Canada will return the security deposit to the Contractor within a reasonable time after such date.
4. If Canada converts the security deposit for reasons other than bankruptcy, the financial security must be reestablished to the level of the amount stated above so that this amount is continued and available until completion of the contract period.

**ANNEX « A »  
REQUIREMENT**

**1. TECHNICAL REQUIREMENT**

The Contractor is required to provide Canada for the Royal Canadian Mounted Police (RCMP) Soft Body Armour, Carrier, Flat Panels in accordance with RCMP Specification G.S. 1045-360 dated 2018-12-21, and Soft, Body Armour, Carrier, Female Panels in accordance with RCMP Specification G.S. 1045-368 dated 2018-12-21, patterns and viewing samples.

**2. DESTINATION AND INVOICING ADDRESS**

DESTINATION ADDRESS	INVOICING ADDRESS
Royal Canadian Mounted Police Uniform & Equipment Program 440 Coventry Road, East Door Ottawa, Ontario K1K 2C4	Royal Canadian Mounted Police Uniform & Equipment Program Email: _____ (to be inserted at contract award)

**3. DELIVERABLES**

**CONTRACT QUANTITY**

**3.1 Firm Quantity (refer to Annex « C » for Size Roll)**

Item	Description	Firm Quantity	Unit of Issue	Firm Unit Price, DDP, Transportation costs included, Applicable taxes extra
1	8075–Soft Body Armour, Carrier, External, Flat Panels, Stock Sizes	10,000	EA	\$ _____

**3.2 “As and When Requested” Quantity**

Item	Description	Estimated Quantity (total for 4 years)	Unit of Issue	Firm Unit Price, DDP, Transportation costs included, Applicable taxes extra
2	8077 – Soft Body Armour, Carrier, External, Flat Panels, Non-Stock Sizes  8078 – Soft Body Armour, Carrier, External, Female Panels, Non-Stock Sizes	7,000	EA	Year 1 \$ _____ Year 2 \$ _____ Year 3 \$ _____ Year 4 \$ _____

Year 1: ordered within 12 months from contract award  
Year 2: ordered within 13-24 months from contract award  
Year 3: ordered within 25-36 months from contract award  
Year 4: ordered within 37-48 months from contract award

### 3.3

#### OPTION 1

Item	Description	Estimated Quantity	Unit of Issue	Firm Unit Price, DDP, Transportation costs included, Applicable taxes extra
3	8075-Soft Body Armour, Carrier, External, Flat Panels, Stock Sizes	6,000	EA	\$ _____

#### OPTION 2

Item	Description	Estimated Quantity	Unit of Issue	Firm Unit Price, DDP, Transportation costs included, Applicable taxes extra
4	8075-Soft Body Armour, Carrier, External, Flat Panels, Stock Sizes	4,000	EA	\$ _____

#### OPTION 3

Item	Description	Estimated Quantity	Unit of Issue	Firm Unit Price, DDP, Transportation costs included, Applicable taxes extra
5	8075-Soft Body Armour, Carrier, External, Flat Panels, Stock Sizes	4,000	EA	\$ _____

#### OPTION 4

Item	Description	Estimated Quantity	Unit of Issue	Firm Unit Price, DDP, Transportation costs included, Applicable taxes extra
6	8075-Soft Body Armour, Carrier, External, Flat Panels, Stock Sizes	4,000	EA	\$ _____

**4. "AS AND WHEN REQUESTED" QUANTITIES – Identified as Item 2**

Under this Contract, the Contractor is required to provide certain goods to Canada on an "as and when requested" basis. Except as expressly provided in this Contract, Canada is not obliged to request any such goods under this Contract and this Contract does not represent a commitment to purchase such goods exclusively from the Contractor. The quantity of "as and when requested" goods specified at item 2 is only an approximation of requirements.

RCMP may issue orders for "as and when requested" quantities directly to the Contractor detailing the exact quantities of goods being ordered and the delivery date during the effective period and in accordance with the predetermined conditions.

Order for "as and when requested" quantities will be made on Form 942 or on a RCMP order form.

The period for placing "as and when requested" orders will be 48 months from contract award

**Delivery of the "as and when requested" (Desired)**

The RCMP is requesting that delivery of the "as and when requested" quantity be made within **28 calendar days** after receipt of order document for priority orders.

The RCMP is requesting that delivery of the "as and when requested" quantity be made within **45 calendar days** after receipt of order document for regular orders.

**Delivery of the "as and when requested" (Phased)**

Delivery of the "as and when requested" priority order quantity will be made as follows:

Quantity	Phased Delivery
1-24	within _____ calendar days after receipt of order document
25-99	within _____ calendar days after receipt of order document
100-199	within _____ calendar days after receipt of order document
200-499	within _____ calendar days after receipt of order document
500+	within _____ calendar days after receipt of order document

Delivery of the "as and when requested" regular order quantity will be made as follows:

Quantity	Phased Delivery
1-24	within _____ calendar days after receipt of order document
25-99	within _____ calendar days after receipt of order document
100-199	within _____ calendar days after receipt of order document
200-499	within _____ calendar days after receipt of order document
500+	within _____ calendar days after receipt of order document

Deliveries made against orders of the "as and when requested" quantities will be inspected by the Consignee at destination.

**SIZING:**

The Contractor will be provided the patterns for all non-stock sizes when ordered "as and when requested".

## Financial Limitation

The total cost to Canada resulting from orders of "as and when requested" quantities must not exceed the sum of \$ \_\_\_\_\_ (to be established at contract award), applicable taxes extra, unless otherwise authorized in writing by the Contracting Authority. The Contractor must not be obligated to perform any work or services or supply any articles in response to orders which would cause the total cost to Canada to exceed the said sum, unless an increase is so authorized.

## **5. OPTION QUANTITIES – Identified as Items 3 - 6**

The Contractor grants to Canada the irrevocable option to acquire the goods described under items 3 - 6 under the same terms and conditions and at the prices stated in the Contract. Four (4) options may be exercised.

The options may only be exercised by the Contracting Authority and will be evidenced through a contract amendment. One (1) amendment per option may be issued.

The Contracting Authority may exercise the option as follows:

- Option 1: within 12 months from the contract award date by sending a written notice to the Contractor.
- Option 2: within 24 months from the contract award date by sending a written notice to the Contractor.
- Option 3: within 36 months from the contract award date by sending a written notice to the Contractor.
- Option 4: within 48 months from the contract award date by sending a written notice to the Contractor.

### SIZING:

A size roll for the Soft Body Armour, Carrier, External, Flat Panels, Stock Sizes will be provided if and when an option is exercised.

## **6. GOVERNMENT AVAILABLE MATERIAL (GAM)**

The following government available material is required for the manufacture of the items and must be purchased from the RCMP.

- a. Shell Material as per Para. 4.1.1, Black @ no charge (available for pre-production samples only)
- b. Lining Material as per Para. 4.1.2, Black @ \$22.00/m (available for pre-production samples and initial production until GAM is depleted - approximately 1000m available with quantity subject to change)

The material must be paid in advance of shipment by certified cheque (please add the applicable taxes). Make the certified cheque payable to Receiver General for Canada. The certified cheque must be forwarded to the RCMP, Uniform and Equipment Program, Warehouse Building, 440 Coventry Road, Ottawa, Ontario K1A 0R2, Attn: Planning & Accounting Section.

## **Annex B**

### **SPECIFICATION G.S.1045-360 – DATE 2018-12-21 SOFT BODY ARMOUR, CARRIER, EXTERNAL, FLAT PANELS**

### **SPECIFICATION G.S.1045-368 – DATE 2018-12-21 SOFT BODY ARMOUR, CARRIER, EXTERNAL, FEMALE PANELS**

#### **See attached documents**

APPENDIX 1 TO ANNEX « B » 360 SBA, CARRIER, EXTERNAL, FLAT  
PANELS – 8077 NON-STOCK SIZES *(to be provided to Contractor after contract award)*

APPENDIX 2 TO ANNEX « B » 360 SBA, CARRIER, EXTERNAL, FLAT  
PANELS – 8077 NON-STOCK SIZES COMPONENTS *(to be provided to Contractor after contract award)*

APPENDIX 3 TO ANNEX « B » 368 SBA, CARRIER, EXTERNAL, FEMALE  
PANELS – 8078-100 NON-STOCK SIZES *(to be provided to Contractor after contract award)*

APPENDIX 4 TO ANNEX « B » 368 SBA, CARRIER, EXTERNAL, FEMALE  
PANELS – 8078-100 NON-STOCK SIZES COMPONENTS *(to be provided to Contractor after contract award)*

APPENDIX 5 TO ANNEX « B » 360-368 SBA, CARRIER, EXTERNAL PHOTOGRAPHS *(see attached document)*

APPENDIX 6 TO ANNEX « B » 368, SBA, CARRIER, EXTERNAL, FEMALE PANELS – 8078-100 SIZE  
38333 for PAS *(to be provided to Bidders requested to submit pre-award samples as per Article 4.1.2)*

**ANNEX « C »  
SIZE ROLL**

Stock Number	Sizes	Quantity
8075-003	34329	205
8075-017	36231	205
8075-031	36331	195
8075-045	36431	195
8075-059	36433	195
8075-073	36531	195
8075-087	36533	195
8075-101	36631	200
8075-115	36633	200
8075-129	38233	200
8075-143	38333	175
8075-157	38433	200
8075-171	38435	175
8075-185	38533	200
8075-199	38535	175
8075-213	38633	175
8075-227	38635	175
8075-241	40135	245
8075-255	40235	235
8075-269	40335	235
8075-283	40337	235
8075-297	40435	250
8075-311	40437	235
8075-325	40535	255
8075-339	40537	235
8075-353	42337	395
8075-367	42339	395
8075-381	42437	305
8075-395	42439	305
8075-409	42537	395
8075-423	42539	305
8075-437	44439	225
8075-451	44441	275
8075-465	44539	225
8075-479	44541	225
8075-493	44639	225

Solicitation No. - N° de l'invitation  
M7594-195473/A  
Client Ref. No. - N° de réf. du client  
M7594-195473

Amd. No. - N° de la modif.  
File No. - N° du dossier  
pr766. M7594-195473

Buyer ID - Id de l'acheteur  
pr766  
CCC No./N° CCC - FMS No./N° VME

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8075-507	44641	275
8075-521	46443	245
8075-535	46543	200
8075-549	46643	220
8075-563	48445	125
8075-577	48545	125
8075-591	48645	125
8075-605	50447	75
8075-619	50547	75
8075-633	50647	75
	Total	10,000

Priority in production and delivery in the following sizes:

TBD

## **ANNEX "D" to PART 5 OF THE BID SOLICITATION**

### **ETHICAL CONSIDERATIONS FOR PROCUREMENT OF APPAREL CERTIFICATION**

The Bidder certifies the following:

#### 1. Child labour

The Bidder and its first-tier subcontractors do not employ child labour, i.e. work done by children who are younger than the minimum age for admission to employment indicated in applicable legislation in the country, and no younger than the age at which compulsory schooling has been set in applicable legislation in the country. In any event, children are protected from economic exploitation and from performing any work that is likely to be hazardous or to interfere with the child's education, or to be harmful to the child's health or physical, mental, spiritual, moral or social development. Employees younger than 18 shall not perform hazardous work, which includes work that may jeopardize their health, safety or morals.

#### 2. Forced labour

The Bidder and its first-tier subcontractors do not use forced labour or compulsory labour in all its forms, including trafficking in persons for the purpose of forced or compulsory labour, namely any work or service that is exacted from any person under the menace of any penalty, and for which that person has not offered himself or herself voluntarily.

#### 3. Abuse and harassment

The Bidder and its first-tier subcontractors treat their employees with dignity and respect. No employees shall be subject to any physical, sexual or verbal harassment, abuse or violence or psychological hazards. Corporal punishment is not used or tolerated in any form.

#### 4. Discrimination

The Bidder and its first-tier subcontractors do not discriminate against their employees in hiring practices or any other term or condition of work (other than legitimate occupational requirements allowed by law) on the basis of race, national or ethnic origin, colour, religion, age, sex, sexual orientation, gender identity or expression, marital status, family status, genetic characteristics, disability or conviction of any offence for which a pardon has been granted or in respect of which a record of suspension has been ordered.

#### 5. Freedom of association and collective bargaining

Where provided for by law, the Bidder and its first-tier subcontractors shall recognize and respect the right of employees to freely associate, organize and bargain collectively with their employer. No employee or worker representative shall be subject to discrimination, harassment, intimidation or retaliation as a result of his or her efforts to freely associate, organize or bargain collectively. Where the right to freedom of association is restricted under law, the Bidder and its first-tier subcontractors must provide workers alternative means of association, including effective means to express and remedy workplace grievances.

## 6. Occupational safety and health

The Bidder and its first-tier subcontractors provide workers with a safe and healthy work environment and, at minimum, comply with local and national health and safety laws. If residential facilities are provided to workers, they are safe and healthy.

## 7. Fair wages

The Bidder and its first-tier subcontractors provide wages and benefits which comply with all applicable laws and regulations and which match or exceed the local prevailing wages and benefits in the relevant industry or which constitute a living wage, whichever provides greater wages and benefits. Where compensation does not provide a living wage, the Bidder and its first-tier subcontractors shall ensure that real wages are increased annually to continuously close the gap with living wage.

## 8. Hours of work

Except in extraordinary circumstances, the Bidder's and its first-tier subcontractors' employees are not required to work more than the lesser of (a) 48 hours per week and 12 hours overtime per week, or (b) the limits on regular and overtime hours allowed by the law of the country of manufacture.

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**ANNEX "E" to PART 5 OF THE BID SOLICITATION  
FEDERAL CONTRACTORS PROGRAM FOR EMPLOYMENT EQUITY - CERTIFICATION**

I, the Bidder, by submitting the present information to the Contracting Authority, certify that the information provided is true as of the date indicated below. The certifications provided to Canada are subject to verification at all times. I understand that Canada will declare a bid non-responsive, or will declare a contractor in default, if a certification is found to be untrue, whether during the bid evaluation period or during the contract period. Canada will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply with any request or requirement imposed by Canada may render the bid non-responsive or constitute a default under the Contract.

For further information on the Federal Contractors Program for Employment Equity visit [Employment and Social Development Canada \(ESDC\)-Labour's](#) website.

Date: \_\_\_\_\_(YYYY/MM/DD) (If left blank, the date will be deemed to be the bid solicitation closing date.)

Complete both A and B.

A. Check only one of the following:

- A1. The Bidder certifies having no work force in Canada.
- A2. The Bidder certifies being a public sector employer.
- A3. The Bidder certifies being a [federally regulated employer](#) being subject to the [Employment Equity Act](#).
- A4. The Bidder certifies having a combined work force in Canada of less than 100 permanent full-time and/or permanent part-time employees.

A5. The Bidder has a combined workforce in Canada of 100 or more employees; and

- A5.1. The Bidder certifies already having a valid and current [Agreement to Implement Employment Equity](#) (AIEE) in place with ESDC-Labour.

**OR**

- A5.2. The Bidder certifies having submitted the [Agreement to Implement Employment Equity](#) (LAB1168) to ESDC-Labour. As this is a condition to contract award, proceed to completing the form Agreement to Implement Employment Equity (LAB1168), duly signing it, and transmit it to ESDC-Labour.

B. Check only one of the following:

- B1. The Bidder is not a Joint Venture.

**OR**

Solicitation No. - N° de l'invitation  
M7594-195473/A  
Client Ref. No. - N° de réf. du client  
M7594-195473

Amd. No. - N° de la modif.  
File No. - N° du dossier  
pr766. M7594-195473

Buyer ID - Id de l'acheteur  
pr766  
CCC No./N° CCC - FMS No./N° VME

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( ) B2. The Bidder is a Joint Venture and each member of the Joint Venture must provide the Contracting Authority with a completed annex Federal Contractors Program for Employment Equity - Certification. (Refer to the Joint Venture section of the Standard Instructions)



Royal Canadian Mounted Police  
Gendarmerie royale du Canada

Doc. no: G.S. 1045-360  
Date: 2018-12-21

# Specification

## Soft Body Armour, Carrier, External, Flat Panels

This document has 37 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 & 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**

### **Soft Body Armour, Carrier, External, Flat Panels**

#### 1. **Definition**

- 1.1 This specification must govern the manufacture and inspection of the Soft Body Armour, Carrier, External, Flat Panels. The specific items covered under this specification with stock number are as follows:
- i. 8075 – Soft Body Armour, Carrier, External, Flat Panels, Stock size / Gilet pare-balles extérieur pour panneaux balistiques souples plats, en stock
  - ii. 8077-100 – Soft Body Armour, Carrier, External, Flat Panels, Non-stock size / Gilet pare-balles extérieur pour panneaux balistiques souples plats, hors stock
- 1.2 This specification, patterns, 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 Carrier, External, Load Carrying, Male.
- 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          | Textile test methods – Woven Fabrics, Determination of number of threads per unit length |
| 4.2 No. 9.2-M90 (R2013) | Textile test methods – Breaking strength of fabrics grab method                          |
| 4.2 No. 12.1-2016       | Textile test methods – Tearing strength – Single rip method                              |
| 4.2 No. 14-2005         | Textile test methods – Quantitative Analysis of Fibre Mixtures                           |

4.2 No. 19.1-2004 (R2013)	Textile test methods – Colourfastness to washing, Accelerated test
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. 58-2004	Textile test methods – Dimensional change in domestic laundering of textiles
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.
A-A-59826A	Thread, Nylon

### 2.4 **Royal Canadian Mounted Police Specification (RCMP)**

G.S. 1045-177	Soft Body Armour, Flat Panels
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### 2.5 **American Society for Testing and Materials (ASTM)**

D1777-96 (2015)	Standard Test Method for Thickness of Textile Materials
D3776/D3776M-09a (R2013)	Standard Test Method for Mass per Unit Area (Weight) of Fabric
D4966-12 (R2016)	Standard Test Method for Abrasion Resistance of Textile Fabrics (Martindale Abrasion Tester Method)
D5034-09 (R2013)	Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)
D5169-98 (2015)	Standard Test Method for Shear Strength (Dynamic Method) of Hook and Loop Touch Fasteners
D5170-98 (2015)	Standard Test Method for Peel Strength (“T” Method) of Hook and Loop Touch Fasteners
D8007-15 <sup>e1</sup>	Standard Test Method for Wale and Course Count of Weft Knitted Fabrics

### 2.6 **American Association of Textile Chemists and Colorists (AATCC)**

Test Method 8-2016	Colourfastness to Crocking: Crockmeter method
Test Method 15-2013	Colourfastness to Perspiration
Test Method 22-2017	Water Repellency: Spray Test

Test Method 61-2013	Colourfastness to Laundering: Accelerated
Test Method 135-2014	Dimensional Changes of Fabrics after Home Laundering

## 2.7 **General Services Administration – US Government**

### **Federal Standard, Textile Test Methods; (FED-STD No. 191A)**

Method 4108	Strength and Elongation, Breaking; Textile Webbing, Tape and Braided Items
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## 2.8 **International Standards Organization (ISO)**

105-B02:2014	Colourfastness to artificial light: Xenon arc fading lamp test
105-C10:2006 (2015)	Colourfastness to washing with soap or soap and soda
105-E04:2013	Colourfastness to perspiration
105-X12:2016	Colourfastness to rubbing (Crocking)
4920:2012	Textile fabrics — Determination of resistance to surface wetting (spray test)
6330:2012	Domestic washing and drying procedures for textile testing
7211-2:1984	Textiles Woven fabrics – Construction – Methods of analysis Part 2: Determination of number of threads per unit length

## 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 viewing sample.
- 3.2 **Design** – The Soft Body Armour, Carrier, External, Flat Panels must be a two piece, vest-like, garment which will be used to carry RCMP issue ballistic body armour panels as specified in para. 2.4. The carrier must consist of a front and back and are joined by an internal cummerbund and an external waist strap and adjustable shoulder straps. The carrier must come with chest pockets, permanent POLICE identification markings, and MOLLE attachment webbing on the front and external waist straps.

#### 4. **Detail Requirements**

##### 4.1 **Components**

4.1.1 **Shell Material** – The shell material must be a dark navy in colour, 100% nylon, 500 denier ripstop fabric meeting the requirements outlined in Table I. Brookwood product Westridge #FC0500RB has been known to meet the above requirements.

4.1.2 **Lining Material** – The lining must be a spacer mesh black in colour, 100% Polyester fabric, meeting the requirements of Table II. Gehring Textiles style SHR846 has been known to meet the requirement.

##### 4.1.3 **Nylon Webbing**

4.1.3.1 **Webbing, Accessory & Microphone Strap** – The webbing must be a durable nylon webbing, luggage quality, black in colour measuring 2.54 cm (1”) wide and 0.04” ± 0.01” thick. It must have a minimum tensile strength of 1000 lbs. as per Federal Standard 191A test method #4108 and be equal in appearance to the viewing sample. Tape Craft #N0015S-1”-YD001-352 has been known to meet the requirements.

4.1.3.2 **Nylon Webbing, Flap Attachment Tab** - The webbing shall be a durable nylon webbing, luggage quality, black in colour measuring 3.8 cm (1.5”) wide and 0.043” ± 0.01” thick. It shall have a minimum tensile strength of 1500 lbs. as per Federal Standard 191A test method #4108 and be equal in appearance to the viewing sample. Tape Craft #N0015S has been known to meet the requirements.

##### 4.1.4 **Thread**

4.1.4.1 **Seam and Stitching Thread** – The thread must be polyester wrap, polyester core, Tex 50, Type II of matching colour to the shell material, meeting U.S. government standard A-A-50199A.

4.1.4.2 **Reinforce Stitching Thread** – The thread must be a nylon continuous filament bonded, Class A, Type II, size B (Tex 45), meeting U.S. government standard A-A-59826A. It must be black in colour.

4.1.5 **Hook and Loop Tape** – The hook and loop tape must be nylon, black in colour, with a high life cycle. The combined hook and loop must have no less than 8 P.S.I

length-wise shear strength with initial peel strength of not less than 1 P.I.W. when tested to ASTM D5169-98 (2015), standard test method for shear strength [dynamic method] of hook and loop touch fasteners and ASTM D5170-98 (2015), standard test method for peel strength ["T" method] of hook and loop touch fasteners. Dimensions must be as per drawings and pattern template.

#### 4.1.6 **Slide Fastener**

4.1.6.1 **Horizontal Chest Pockets** – The slide fastener must be a 2-way closed end slide fastener, black in colour with auto-locking sliders, two arranged in a head to head relation with one opening to the left and one opening to the right. YKK 13094 CIFMC 59/9 DS6YG C5/DS6YG C5 5/8\*BTM-2\*H-H\* (only). The slide fastener must be available in 6 lengths, 7½”, 8”, 8½”, 9”, 9½” and 10”.

4.1.6.2 **Interior Access Panel** – The slide fastener must be a 1-way reverse coil closed end slide fastener, black in colour with an auto-locking slider. YKK 61351 5CI 5/8 CHAIN \*200 MTS/RL\*, and 75492 5CN DS6B C5 SLIDER (only). The slide fastener must be available in 5 lengths, 14½”, 16½”, 19½”, 21½” and 24”.

#### 4.1.7 **Elastic**

4.1.7.1 **Elastic, Back and Cummerbund** – The elastic must be heavy duty woven elastic, with a composition of at least 70% polyester blended with rubber and a medium finish. The elastic must be black in colour, with a stretch and recovery as per component viewing samples. It must be available in five widths: 10.2 cm (4”), 12.7 cm (5”), 15.2 cm (6”) or 17.8 cm (7”) or 20.3 cm (8”) wide.

4.1.7.2 **Elastic, Attachment Strap** – The attachment strap must be heavy duty woven elastic, with a composition of at least 70% polyester blended with rubber and a medium finish. The elastic must be black in colour, 5 cm (2”) wide with a stretch and recovery as per component viewing sample.

4.1.8 **Binding Tape** – The binding tape must be heavy duty nylon, grosgrain binding tape, black in colour, 2.54 cm wide and 0.3 mm thickness.

4.1.9 **Neoprene Padding** – The neoprene padding must be made of 100% Nylon on the outer surface and 10% Nylon/ 90% Neoprene as the inner content. It must be  $725 \text{ g/m}^2 \pm 25 \text{ g/m}^2$ , 2.5 mm thick, black in colour.

- 4.1.10 **Fusing** – The fusible interlining must be black plain weave, 100% cotton with a mass of 120 g/m<sup>2</sup> – 150 g/m<sup>2</sup>. The fusible interlining must have polyamide or a polyamide blend resin constructed in a dot pattern and sufficient in concentration for no delamination to occur after home laundering. Care must be taken to ensure that, after application, the fusible interlining shrinks at the same percentage as the material it is being fused to. The fusing procedures must be those recommended by the fusible interlining supplier.
- 4.1.11 **Heat Transfer Vinyl** – The heat transfer vinyl used for the police markings must be a polyurethane composition. The thickness must be 80 microns (.08 mm) with a stretch and rebound of 3. The vinyl must withstand 50 home laundings after application.
- 4.2 **Size and Dimensions** – The Soft Body Armour, Carrier, External, Flat Panels must be supplied in the sizes specified by the RCMP and to the dimensions given in the scale of measurements forming part of this specification. There are two categories of sizes; stock sizes and non-stock sizes. The stock size scale of measurements under stock number 8075 form part of this specification. The scale of measurements for non-stock sizes are provided in document *360 Soft Body Armour, Carrier, External, Flat Panels – 8077 Non – Stock Sizes*. The Non-Stock size roll is extensive and is an extension of the stock sizes and includes evenly graded chest, waist and front length measurements to accommodate all body shapes. The first two digits of the five digit size designation represent the chest measurement. The Soft Body Armour, Carrier, External, Flat Panels, Stock and Non-Stock components must 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 **Stitching** – All stitching must be lockstitch. There must be no less than three or more than four stitches per centimeter. The beginning and ending of all stitching must be securely backstitch tacked, unless secured by other stitching. Where seaming, turning and stitching are required the edges must be properly worked out before stitching. Care must be taken to minimize unsightly gathering and puckering. Ball point needles must be used for all stitching through elastic components.
- 4.3.2 **Body**
- 4.3.2.1 **Front Pouch – Front View** – The front pouch must be made from the shell material specified in para. 4.1.1, lined with shell material and the lining material specified

in para. 4.1.2, and must be sized and shaped to the pattern and the scale of measurements. The shoulder strap portions must have hook tape as specified in para. 4.1.5 for shoulder closure and adjustment. The hook tape must be 5 cm wide by the finished length specified in the component scale of measurements for the appropriate size and be positioned on the face of the shell material at the shoulder edge as per drawing 2. The name tag must be loop tape as per para. 4.1.5, 8.5 cm  $\pm$  0.2 cm long by 2.5 cm wide and positioned on the right front as per the patterns and drawing 2. There must be a POLICE marking as specified in para. 4.3.7 and 4.3.7.1 permanently adhered to the shell material. The marking must be centred between the side edges of the pouch and centred between the centre of the lower pocket and the top edge of the flap. The lower front portion of the pouch must have one piece of loop tape centred horizontally and sewn as dimensioned and placed as per pattern template. The loop tape must have sealed edges to prevent fraying. The loop tape must be secured to the pouch with two rows of stitching using a 3 mm and 6 mm gauge along all edges. The bottom edge of each corner of the loop tape must be bar tacked with a 15 mm to 20 mm long bar tack, with no less than 18 cover stitches as per drawing 4.

- 4.3.2.2 **Front Pouch Chest Pockets** – The front of the external carrier must have two horizontal chest pockets one above the other secured by the slide fastener specified in para. 4.1.6.1. Refer to the component scale of measurements for the appropriate length by size. Each end of the horizontal pocket openings must be bar tacked with 15 mm to 20 mm long bar tacks, with no less than 18 cover stitches as per drawing 2. Inside the top chest pocket must be a notebook pocket and a pen loop dimensioned as per the pattern and drawing 7.
- 4.3.2.3 **Front Pouch Flap** – The front flap must be made of shell material as specified in para 4.1.1 and must be fused using fusing as specified in para. 4.1.10. The front flap must have 4 pieces of hook tape dimensioned as per pattern template, placed on the underside of the flap, positioned according to drawing 3. Depending on the size of the carrier, the front flap must have 3 or 4 rows of webbing as specified in para. 4.1.3.1 and placed as per the pattern template. Refer to the scale of measurements for the number of rows by size. Each row of webbing must be secured with vertical reinforced zig zag stitching 3 mm wide at intervals of 3.8 cm  $\pm$  0.1 cm across the flap through all layers as per pattern template and drawings 2 and 3. The reinforced stitching must be done using thread as specified in para. 4.1.4.2. Care must be taken to ensure the webbing does not pull or buckle and that there are no broken or dropped stitches when the reinforced stitching is done to secure the webbing. The finished flap must be secured to the pouch with two rows of stitching using a 3 mm and 6 mm gauge along the flap's top edge. The top edge

of each corner of the flap must be bar tacked with a 15 mm to 20 mm long bar tack, with no less than 18 cover stitches as per drawing 2.

- 4.3.2.4 **Front Pouch Attachment Tab** – There must be attachment tabs sewn between the flap layers at the bottom corners of the front flap. The attachment tabs must be made with nylon webbing as specified in para. 4.1.3.2 with a finished dimension of 3.8 cm x 7.5 cm ± 0.2 cm. The attachment tabs must have a finger loop and a piece of hook tape as specified in para. 4.1.5 measuring 3.8 cm x 4.5 cm ± 0.2 cm sewn to the back side of the tab. The attachment tabs must be constructed and dimensioned as per drawing 3.
- 4.3.2.5 **Front Pouch – Back View** – The back of the front pouch must be made with shell material as specified in para. 4.1.1 and lining material specified in para. 4.1.2 and must be shaped and dimensioned as per pattern. The lining must be bound with the binding tape as specified in para. 4.1.8 around all edges and then sewn on top of the shell material as per drawing 2. The upper and lower facing must be made from shell material as specified in para. 4.1.1. There must be two pieces of loop tape measuring 3.8 cm x 5 cm ± 0.2 cm positioned at the bottom of the lower piece as per the pattern template and drawing 2. The back view of the pouch must have a slide fastener as per drawing 10. Refer to the component scale of measurements for the appropriate slide fastener length by size. The slide fastener must be as specified in para. 4.1.6.2. If stoppers are not being used on the slide fastener, then there must be two layers of vertical stitching through all layers to secure the slide fastener as per drawing 10. The marking and cleaning instructions label as specified in para. 4.3.8 must be sewn to the slide fastener seam as per drawing 2 on the inside of the opening. Inside the pouch at each shoulder strap is an attachment strap as per para. 4.3.5.
- 4.3.2.6 **Back Pouch – Front View** – The back pouch front view must be made from the shell material specified in para. 4.1.1 and must be sized and shaped to the scale of measurements and pattern. The front view is two pieces. The lower back is sewn to the upper back piece across the back at the armhole level creating a loose end. The side edges of the loose end must be double folded and topstitched the full length using an 8 mm gauge. At the double folded edge where the upper back loose end overlaps the lower piece near the stitching line, the upper back folded seam must be topstitched to the lower back piece from the armhole seam to within 0.5 cm of the waist strap using a 3 mm gauge. There must be 2 cm long bar tacks, with no less than 18 cover stitches, starting 0.5 cm from the top of the waist strap and from the bottom of the waist strap as per drawing 5. Under the cover at the center back, a side waist strap as specified in para. 4.3.4 must be stitched securely with a triple row of stitching and three, 1 cm long bar tacks with no less than 18 cover stitches

must be installed in the middle and at each end of the stitching as per drawing 5. At the shoulder strap, there must be webbing as specified in para. 4.1.3.1, sewn 1.2 cm  $\pm$  0.2 cm from the edge. The total length of the webbing must fit across shoulder strap and be sewn on top at each seam to create a loop. The webbing ends must be sealed to prevent fraying. There must be a POLICE marking as specified in para. 4.3.7 and 4.3.7.1 permanently adhered to the shell material. The marking must be centered between the sides of the pouch and be placed 5 cm  $\pm$  0.5 cm below the back neckline. There must be a cummerbund as specified in para. 4.3.3 dimensioned as per pattern sewn into the side seams of the back pouch as per pattern placement.

4.3.2.7 **Back Pouch – Back View** – The body side of the back pouch must be made with shell material as specified in para. 4.1.1 and lining material specified in para. 4.1.2 and must be shaped and dimensioned as per pattern. The lining must be bound with the binding tape as specified in para. 4.1.8 around all edges and then sewn on top of the shell material as per drawing 6. The upper and lower facing must be made from shell material as specified in para. 4.1.1. The back view of the pouch must have a slide fastener as per drawing 10. Refer to the component scale of measurements for the appropriate slide fastener length by size. The slide fastener must be as specified in para. 4.1.6.2. If stoppers are not being used on the slide fastener, then there must be two layers of vertical stitching through all layers to secure the slide fastener as per drawing 10. The marking and cleaning instructions label as specified in para. 4.3.8 must be sewn to the slide fastener seam as per drawing 6 on the inside of the opening. Inside the pouch at each shoulder strap is an attachment strap as per para. 4.3.5. Loop tape, 5 cm wide, must be applied to the body side of the shoulder strap as per drawing 8. Refer to the component scale of measurements for the appropriate length by size. The loop tape must be placed in line with the shoulder top edge.

4.3.3 **Cummerbund** – The cummerbund must be made of a double layer of elastic as specified in para. 4.1.7.1. Refer to the component scale of measurements for the appropriate elastic width by size. The right cummerbund must have hook tape as specified in para. 4.1.5, 10.2 cm  $\pm$  0.5 cm in length by the width of the elastic sewn on top of the elastic. The elastic must be inserted into the back pouch side seam with the hook tape facing the back pouch front view when laid flat. The left cummerbund must have loop tape as specified in para. 4.1.5, 10.2 cm  $\pm$  0.5 cm in length by the width of the elastic is sewn on the top of the elastic. There must be an extension grip made of shell material as specified in para. 4.1.1 dimensioned as per the pattern inserted between the folded edge of elastic and the loop tape as per drawing 9. The elastic must be inserted into the back pouch side seam with the loop

tape facing the back pouch back view when laid flat. Refer to drawing 6 for placement.

- 4.3.4 **Side Waist Strap** – The side waist strap must be made of a double layer of elastic as specified in para. 4.1.7.1, shell material as specified in para 4.1.1 and fusing as specified in para. 4.1.10. The waist strap must be sized and shaped as per the pattern. Each end of the double elastic must be joined to one end of the waist strap. The waist strap must have 3 rows of webbing as specified in para. 4.1.3.1 and placed as per pattern template. Each row of webbing must be secured with vertical reinforced zig zag stitching 3 mm wide at intervals of  $3.8 \text{ cm} \pm 0.1 \text{ cm}$  across the webbing through all layers as per drawings 5 and 6. The reinforced stitching must be done using thread as specified in para. 4.1.4.2. Care must be taken to ensure the webbing does not distort the shell material and that there are no broken or dropped stitches when the reinforced stitching is done to secure the webbing. Both ends of the waist strap must have a piece of loop tape next to the webbing and a piece of hook tape on the opposite side. Refer to drawings 5 and 6 and the pattern template for size and placement. Refer to the component scale of measurements for the appropriate elastic width by size.
- 4.3.5 **Attachment Straps** – Inside the front and back pouch at each shoulder strap is an attachment strap to hold the ballistic panel in place. The attachment strap must measure 5 cm wide by the finished length specified in the component scale of measurements for the appropriate size and be positioned as per the pattern template. The top portion of the attachment strap must be made from elastic as specified in para. 4.1.7.2 and must measure  $10 \text{ cm} \pm 0.5 \text{ cm}$  in length. The bottom portion of the attachment strap must be made from loop tape as specified in para. 4.1.5. The loop tape must measure 5 cm wide by the length specified in the component scale of measurements. The loop tape must be stitched to the elastic and overlap by  $2 \text{ cm} \pm 0.2 \text{ cm}$ . The loop tape surface must face the body side to ensure proper adherence to the ballistic panels. On the front pouch, the first 5 cm of elastic must be stitched to the back side of the front view shell material. On the back pouch, the first 5 cm of elastic must be stitched to the back side of the back view or may be stitched through to the front view. It must be stitched in a box and ‘X’ pattern within the lower stitching line as per the pattern template and drawing 8.
- 4.3.6 **Removable Shoulder Padding** – There must be a removable shoulder pad for each shoulder strap, 5 mm thick with  $\pm 1 \text{ mm}$  tolerance made from 2 layers of neoprene as specified in para. 4.1.9 and covered with black nylon fabric. The shoulder padding must be inserted in each front shoulder strap, between the shell and the

mesh lining. It must be sized as 4.8 cm  $\pm$  0.5 cm wide by 15.2 cm  $\pm$  0.5 cm long and be equal in all respects to the pattern and viewing sample.

4.3.7 **POLICE Markings** – The front pouch front view and the back pouch front view must have permanent POLICE markings applied using heat-transfer method. The heat transfer material used must be as specified in para. 4.1.11. The font must be Arial as indicated in the drawings. The letter colour must be opaque white with no grin through of the shell material. The marking must be able to withstand normal washing and drying at least 50 times without degradation of the colour or permanency. There must be no loose or un-bonded edges or corners.

4.3.7.1 **POLICE Markings – Sizes** – The Police markings must be available in three sizes. Size I must be used on the front pouch on chest sizes 32 through 38. Size II must be used on the back pouch on chest sizes 32 through 38 and the front pouch on chest sizes 40 and up. Size III must be used on the back pouch on chest sizes 40 and up. The dimensions for each size are listed below.

Size I: 4.8 cm x 16.1 cm

Size II: 5.5 cm x 18 cm

Size III: 7.5 cm x 23.5 cm

4.3.8 **Marking & Cleaning Instructions Label** – Both the front pouch and the back pouch must have a durable label positioned and sewn to the slide fastener seam inside each pouch as shown in drawing 2 and 6. The text must be permanent inks of a contrasting colour and must withstand at least 50 washes with no apparent 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 label. The label must contain the following information in English and French.

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. 8075 000)
4. Size (Ex. 42537)
5. Date of manufacture, in numeric format year/month (Ex. 2018/11)
6. Your manufacturer identification (Company name or number)
7. Print information as shown below

1		
2		
3		
4		
5		
6		
7	Machine wash - cool (30°C) Wash separately Use minimal soap Double Rinse to remove all soap residue	Laver à la machine – à l'eau froide (30°C) Laver séparément Utiliser le moins de savon possible Rincer deux fois pour éliminer tout résidu de savon
	<b>Do Not</b> use fabric softener or chlorine bleach	<b>Ne pas</b> utiliser d'agent adoucissant ou d'agent de blanchiment
	Tumble dry- low ( <b>Do Not</b> use dryer sheets)	Séchage par culbutage – à basse température ( <b>Ne pas</b> utiliser d'assouplissant en feuilles)
	Steam iron - low	Repassage à vapeur - à basse température
	Warning: Remove SBA panels before laundering	Veillez enlever les panneaux de protection avant le lavage.

4.3.9 **Packaging** – The carrier must be assembled at the waist.

## 5. **Quality Assurance Provisions**

5.1 **Responsibility for Inspection** – Unless otherwise stipulated in the contract, it is the prime contractor's responsibility to satisfy the RCMP, Uniform & 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 & Equipment Program that conformity to this specification of manufacturing processes is assured. The contractor must use a commercial testing establishment acceptable to the RCMP, Uniform & Equipment Program.

5.2 The RCMP, Uniform & 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 replaced/repared at the contractor's risk and expense.

## 6. **Methods of Measuring**

Refer to drawing 11 for the corresponding scale of measurement location. The stock size 8075 scale of measurements are provided below and the non-stock size scale of measurements are provided in a separate document *360 Soft Body Armour, Carrier, External, Flat Panels – 8077 Non-Stock Sizes*. The measurements are taken on the body side of each panel.

### **Front Pouch**

- 6.1 **Center Front Length** – The length must be measured from the base of the neckline to the hem. (A).
- 6.2 **Front Upper Chest Width** – The width must be measured across the front at the level of the lower chest pocket. (B).
- 6.3 **Front Chest Width** – The width must be measured across the front at the widest point of the top edge of the side wing from edge to edge. (C).
- 6.4 **Front Waist Width** – The width must be measured across the widest point at the bottom of the pouch from edge to edge. (D).
- 6.5 **Front Side Wing Height** – The height must be measured at the side from top to bottom, 2.5 cm from the side edge. (E).

### **Back Pouch**

- 6.6 **Center Back Length** – The length must be measured from the base of the neckline to the hem. (F).
- 6.7 **Back Upper Width** – The width must be measured across the back, 8.5 cm below the back neckline. (G).
- 6.8 **Back Chest Width** – The width must be measured across the back at the widest point of the top edge of the side wing from edge to edge. (H).
- 6.9 **Back Waist Width** – The width must be measured across the widest point at the bottom of the pouch from edge to edge. (J).
- 6.10 **Back Side Wing Height** – The height must be measured at the side from top to bottom, 2.5 cm from the side edge. (K).

SIZE DESIGNATION	SCALE OF MEASUREMENTS – 8075 Soft Body Armour, Carrier, External, Flat Panels – STOCK SIZES										
	GARMENT MEASUREMENTS										
	Number of MOLLE Rows on Front Flap	Centre Front Length	Front Upper Chest Width	Front Chest Width	Front Waist Width	Front Side Wing Height	Centre Back Length	Back Upper Width	Back Chest Width	Back Waist Width	Back Side Wing Height
34329	3	32.0	27.0	55.0	49.0	18.0	36.0	27.5	55.0	49.0	18.0
36231	3	32.0	27.5	57.5	51.5	19.0	36.5	28.2	57.5	51.5	19.0
36331	3	34.0	27.5	57.5	51.5	20.0	38.5	28.2	57.5	51.5	20.0
36431	3	36.0	27.5	57.5	51.5	21.0	40.5	28.2	57.5	51.5	21.0
36433	3	36.0	27.5	57.5	54.0	21.0	40.5	28.2	57.5	54.0	21.0
36531	3	38.0	27.5	57.5	51.5	22.0	42.5	28.2	57.5	51.5	22.0
36533	3	38.0	27.5	57.5	54.0	22.0	42.5	28.2	57.5	54.0	22.0
36631	3	40.0	27.5	57.5	51.5	23.0	44.5	28.2	57.5	51.5	23.0
36633	3	40.0	27.5	57.5	54.0	23.0	44.5	28.2	57.5	54.0	23.0
38233	3	32.0	28.2	60.0	54.0	19.0	36.7	29.0	60.0	54.0	19.0
38333	3	34.0	28.2	60.0	54.0	20.0	38.7	29.0	60.0	54.0	20.0
38433	3	36.0	28.2	60.0	54.0	21.0	40.7	29.0	60.0	54.0	21.0
38435	3	36.0	28.2	60.0	56.5	21.0	40.7	29.0	60.0	56.5	21.0
38533	3	38.0	28.2	60.0	54.0	22.0	42.7	29.0	60.0	54.0	22.0
38535	3	38.0	28.2	60.0	56.5	22.0	42.7	29.0	60.0	56.5	22.0
38633	3	40.0	28.2	60.0	54.0	23.0	44.7	29.0	60.0	54.0	23.0
38635	3	40.0	28.2	60.0	56.5	23.0	44.7	29.0	60.0	56.5	23.0
40135	3	32.0	29.0	62.5	56.5	19.0	37.0	30.0	62.5	56.5	19.0
40235	3	34.0	29.0	62.5	56.5	20.0	39.0	30.0	62.5	56.5	20.0
40335	3	36.0	29.0	62.5	56.5	21.0	41.0	30.0	62.5	56.5	21.0
40337	3	36.0	29.0	62.5	59.0	21.0	41.0	30.0	62.5	59.0	21.0
40435	3	38.0	29.0	62.5	55.5	22.0	43.0	30.0	62.5	55.5	22.0
40437	3	38.0	29.0	62.5	59.0	22.0	43.0	30.0	62.5	59.0	22.0
40535	4	40.0	29.0	62.5	55.5	23.0	45.0	30.0	62.5	55.5	23.0
40537	4	40.0	29.0	62.5	59.0	23.0	45.0	30.0	62.5	59.0	23.0
Tolerances + ONLY		1 cm	0.5 cm	1 cm	1 cm	0.5 cm	1 cm	0.5 cm	1 cm	1 cm	0.5 cm
Measurement Location		A	B	C	D	E	F	G	H	J	K

**NOTE:** All measurements are in centimeters unless otherwise indicated.

SIZE DESIGNATION	SCALE OF MEASUREMENTS – 8075 Soft Body Armour, Carrier, External, Flat Panels – STOCK SIZES										
	GARMENT MEASUREMENTS										
	Number of MOLLE Rows on Front Flap	Centre Front Length	Front Upper Chest Width	Front Chest Width	Front Waist Width	Front Side Wing Height	Centre Back Length	Back Upper Width	Back Chest Width	Back Waist Width	Back Side Wing Height
42337	3	36.0	29.5	65.0	59.0	21.0	41.0	30.5	65.0	59.0	21.0
42339	3	36.0	29.5	65.0	61.5	21.0	41.0	30.5	65.0	61.5	21.0
42437	3	38.0	29.5	65.0	59.0	22.0	43.0	30.5	65.0	59.0	22.0
42439	3	38.0	29.5	65.0	61.5	22.0	43.0	30.5	65.0	61.5	22.0
42537	4	40.0	29.5	65.0	59.0	23.0	45.0	30.5	65.0	59.0	23.0
42539	4	40.0	29.5	65.0	61.5	23.0	45.0	30.5	65.0	61.5	23.0
44439	3	38.0	30.5	67.5	61.5	22.0	43.5	31.5	67.5	61.5	22.0
44441	3	38.0	30.5	67.5	64.0	22.0	43.5	31.5	67.5	64.0	22.0
44539	4	40.0	30.5	67.5	61.5	23.0	45.5	31.5	67.5	61.5	23.0
44541	4	40.0	30.5	67.5	64.0	23.0	45.5	31.5	67.5	64.0	23.0
44639	4	42.0	30.5	67.5	61.5	24.0	47.5	31.5	67.5	61.5	24.0
44641	4	42.0	30.5	67.5	64.0	24.0	47.5	31.5	67.5	64.0	24.0
46443	3	38.0	31.5	70.0	66.5	22.0	43.8	32.5	70.0	66.5	22.0
46543	4	40.0	31.5	70.0	66.5	23.0	45.8	32.5	70.0	66.5	23.0
46643	4	42.0	31.5	70.0	66.5	24.0	47.8	32.5	70.0	66.5	24.0
48445	4	40.0	32.5	72.5	69.0	23.5	46.0	33.5	72.5	69.0	23.5
48545	4	42.0	32.5	72.5	69.0	24.5	48.0	33.5	72.5	69.0	24.5
48645	4	44.0	32.5	72.5	69.0	25.5	50.0	33.5	72.5	69.0	25.5
50447	4	40.0	33.5	75.0	71.5	23.5	46.3	34.5	75.0	71.5	23.5
50547	4	42.0	33.5	75.0	71.5	24.5	48.3	34.5	75.0	71.5	24.5
50647	4	44.0	33.5	75.0	71.5	25.5	50.3	34.5	75.0	71.5	25.5
Tolerances + ONLY Measurement Location		1 cm	0.5 cm	1 cm	1 cm	0.5 cm	1 cm	0.5 cm	1 cm	1 cm	0.5 cm
		A	B	C	D	E	F	G	H	J	K

**NOTE:** All measurements are in centimeters unless otherwise indicated.

## SCALE OF MEASUREMENTS – 8075 Soft Body Armour, Carrier, External, Flat Panels – STOCK SIZES

SIZE DESIGNATION	COMPONENT MEASUREMENTS										
	Elastic Width		Slide Fastener – Lengths			Hook & Loop – Shoulder			Attachment Strap		
	Back	Cummerbund	Internal Access Slide Fastener	Top Chest Pocket	Lower Chest Pocket	Front Hook Tape Length	Back Loop Tape Length	Loop Tape Length	Total Length		
34329	12.7	10.2	14½"	8"	7½"	13.5	15.0	12.5	20.5		
36231	12.7	10.2	14½"	8"	7½"	14.0	15.5	12.5	20.5		
36331	12.7	10.2	14½"	8"	7½"	14.0	15.5	15.2	23.2		
36431	12.7	10.2	14½"	8"	7½"	14.0	15.5	15.2	23.2		
36433	12.7	10.2	14½"	8"	7½"	14.0	15.5	15.2	23.2		
36531	12.7	10.2	14½"	8"	7½"	14.0	15.5	15.2	23.2		
36533	12.7	10.2	14½"	8"	7½"	14.0	15.5	15.2	23.2		
36631	12.7	10.2	14½"	8"	7½"	14.0	15.5	15.2	23.2		
36633	12.7	10.2	14½"	8"	7½"	14.0	15.5	15.2	23.2		
38233	12.7	10.2	14½"	8"	7½"	14.5	16.0	12.5	20.5		
38333	12.7	10.2	14½"	8"	7½"	15.0	16.5	15.2	23.2		
38433	12.7	10.2	14½"	8"	7½"	15.0	16.5	15.2	23.2		
38435	12.7	10.2	14½"	8"	7½"	15.0	16.5	15.2	23.2		
38533	15.2	10.2	14½"	8"	7½"	15.0	16.5	15.2	23.2		
38535	15.2	10.2	14½"	8"	7½"	15.0	16.5	15.2	23.2		
38633	15.2	10.2	14½"	8"	7½"	15.0	16.5	15.2	23.2		
38635	15.2	10.2	14½"	8"	7½"	15.0	16.5	15.2	23.2		
40135	12.7	10.2	14½"	9"	8"	15.0	16.5	12.5	20.5		
40235	12.7	10.2	14½"	9"	8"	15.0	16.5	15.2	23.2		
40335	15.2	10.2	14½"	9"	8"	15.0	16.5	15.2	23.2		
40337	15.2	10.2	16½"	9"	8"	15.0	16.5	15.2	23.2		
40435	15.2	10.2	14½"	9"	8"	15.0	16.5	15.2	23.2		
40437	15.2	10.2	16½"	9"	8"	15.0	16.5	15.2	23.2		
40535	15.2	10.2	14½"	9"	8"	15.0	16.5	15.2	23.2		
40537	15.2	10.2	16½"	9"	8"	15.0	16.5	15.2	23.2		
TOLERANCES ±	0.5 cm		½"			0.5 cm	0.5 cm	0.5 cm	0.5 cm		

**NOTE:** All measurements are in centimeters unless otherwise indicated.

## SCALE OF MEASUREMENTS – 8075 Soft Body Armour, Carrier, External, Flat Panels – STOCK SIZES

SIZE DESIGNATION	COMPONENT MEASUREMENTS										
	Elastic Width		Slide Fastener – Lengths				Hook & Loop – Shoulder			Attachment Strap	
	Back	Cummerbund	Internal Access Slide Fastener	Top Chest Pocket	Lower Chest Pocket	Front Hook Tape Length	Back Loop Tape Length	Loop Tape Length	Total Length		
42337	15.2	10.2	16½"	9"	8"	15.0	16.5	15.2	23.2		
42339	15.2	10.2	16½"	9"	8"	15.5	17.0	15.2	23.2		
42437	15.2	10.2	16½"	9"	8"	15.5	17.0	15.2	23.2		
42439	15.2	10.2	16½"	9"	8"	15.5	17.0	15.2	23.2		
42537	15.2	10.2	16½"	9"	8"	15.5	17.0	15.2	23.2		
42539	15.2	10.2	16½"	9"	8"	15.5	17.0	15.2	23.2		
44439	15.2	10.2	16½"	9"	8"	15.5	17.0	15.2	23.2		
44441	15.2	10.2	16½"	9"	8"	15.5	17.0	15.2	23.2		
44539	15.2	10.2	16½"	9"	8"	15.5	17.0	15.2	23.2		
44541	15.2	10.2	16½"	9"	8"	15.5	17.0	15.2	23.2		
44639	15.2	12.7	16½"	9"	8"	15.5	17.0	16.5	24.5		
44641	15.2	12.7	16½"	9"	8"	15.5	17.0	16.5	24.5		
46443	15.2	10.2	16½"	9"	8"	15.5	17.0	15.2	23.2		
46543	15.2	10.2	16½"	9"	8"	15.5	17.0	15.2	23.2		
46643	15.2	12.7	16½"	9"	8"	15.5	17.0	16.5	24.5		
48445	15.2	10.2	19½"	9"	8"	16.0	17.5	15.2	23.2		
48545	15.2	12.7	19½"	9"	8"	16.0	17.5	15.2	23.2		
48645	17.8	12.7	19½"	9"	8"	16.0	17.5	16.5	24.5		
50447	15.2	10.2	19½"	9"	8"	16.5	19.0	15.2	23.2		
50547	15.2	12.7	19½"	9"	8"	16.5	19.0	15.2	23.2		
50647	17.8	12.7	19½"	9"	8"	16.5	19.0	16.5	24.5		
TOLERANCES ±	0.5 cm		½"			0.5 cm	0.5 cm	0.5 cm	0.5 cm		

**NOTE:** All measurements are in centimeters unless otherwise indicated.

**TABLE I**  
**Shell Material Testing Requirements**

REQUIREMENT			TEST METHODS
1	Colour	Dark Navy, to match swatch available from RCMP Uniform & Equipment Program	
2	Fibre Content	100% Nylon	
3	Weave	Ripstop	
4	Mass	235-270 g/m <sup>2</sup> ± 14g/m <sup>2</sup>	
5	Yarns per cm	Warp:	18 min.
		Weft:	14.5 min.
6	Breaking Strength - Grab Method Constant-rate-of-extension (CRE) machine	Warp:	1480 N min
		Weft:	1320 N min
7	Tearing Strength - Rip Method Constant-rate-of-extension (CRE) machine	Warp:	175 N min
		Weft:	175 N min
8	Abrasion Resistance - Martindale Tester	No breakdown after 70,000 rubs	
9	Dimensional Change in Domestic Laundering (cool wash 40°C)	Warp:	2% max
		Weft:	2% max
10	Resistance to Surface Wetting - Spray Method	Initial	100
		After 5 washes	70 or better
11	Colourfastness - To Light – Xenon Arc Method	Blue wool Standard L6 or better	
12	Colourfastness - To Crocking	Dry:	Gray Scale 4 or better
		Wet:	Gray Scale 4 or better
13	Colourfastness - To Perspiration	Acid:	Gray Scale 4 or better
		Alkaline:	Gray Scale 4 or better
14	Colourfastness - To Laundering (cool wash 40°C)	Gray Scale 4 or better	

**TABLE II**  
**Lining Material (Spacer Mesh)**

REQUIREMENT			TEST METHODS
1	Colour	Black	
2	Fibre Content	100% Polyester	<ul style="list-style-type: none"> <li>CAN/CGSB-4.2 No. 14-2005</li> </ul>
3	Knit	Double Needle Bar Mesh	
4	Mass	$556 \text{ g/m}^2 \pm 54 \text{ g/m}^2$ $16.4 \text{ oz/yd}^2 \pm 1.6 \text{ oz/yd}^2$	<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/D3776M-09a (R2013)</li> </ul>
5	Yarns per inch	Wales:	$11 \pm 2$
		Courses:	$22 \pm 2$
6	Dimensional Change in Domestic Laundering (cool wash 30°C)	Warp:	3% max
		Weft:	3% max
7	Thickness	$6.6 \text{ mm} \pm 0.66 \text{ mm}$ $0.261'' \pm 0.026''$	
8	Colourfastness - To Crocking	Dry:	Gray Scale 3.5 or better
		Wet:	Gray Scale 3.5 or better
9	Colourfastness - To Perspiration	Acid:	Gray Scale 4 or better
		Alkaline:	Gray Scale 4 or better
10	Colourfastness - To Laundering	Gray Scale 3.5 or better	

## APPENDIX A

### **Sealed Pattern Identifier**

Pattern #: G.S. 1045-360 Soft Body Armour, Carrier, External, Flat Panels  
 Title: Stock #8075/8077

Patterns - Patterns are available from the RCMP, Uniform and Equipment Program. Firms requested to produce Pre-Award Samples will be provided with the requested size 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.

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. Manufacturers are required to make changes to the pattern, if necessary, in order to meet the scale of measurements and/or to suit the production process, however, the design and grade must not be affected or changed.

The pattern for stock numbers 8075 and 8077 are the same. Stock number 8075 identifies sizes required for inventory and stock number 8077 identifies the non-stock sizes.

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

Pattern Pieces – The design has 27 pattern components.

### **Material and Cutting Legend**

Shell Material	= Para. 4.1.1
Lining Material	= Para. 4.1.2
Fusing	= Para. 4.1.10
Neoprene	= Para. 4.1.9
Cut 1 Single	= Cut 1
Cut 1 Paired	= Cut 2
Cut 2 Paired	= Cut 4

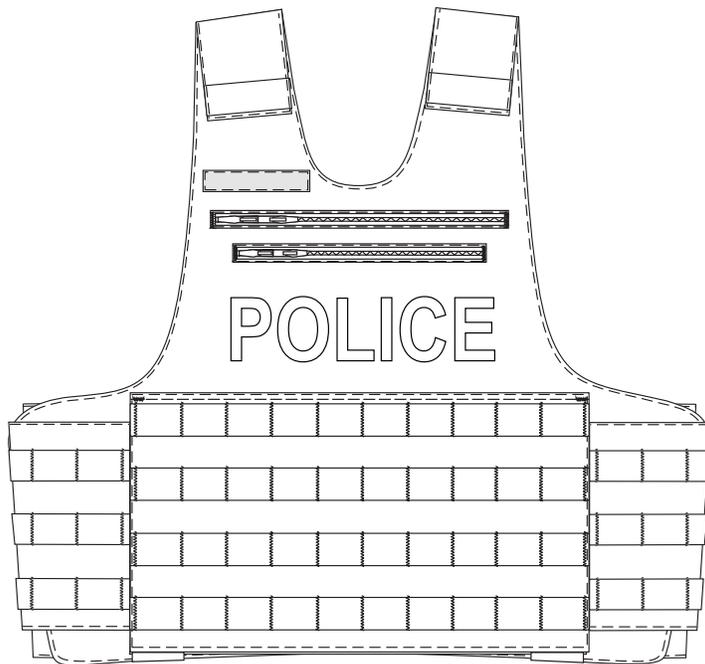
<b>Pattern Components</b>	<b>Nomenclature</b>	<b>Quantity to be cut</b>	<b>Material</b>
# 1 of 27	Back	1 Single	Shell Material
# 2 of 27	Lower Back	1 Single	Shell Material
# 3 of 27	Front	1 Single	Shell Material
# 4 of 27	Front Flap	1 Single	Shell Material
# 5 of 27	Upper Pocket Welt	1 Single	Shell Material
# 6 of 27	Lower Pocket Welt	1 Single	Shell Material
# 7 of 27	Pocket Upper Front	1 Single	Shell Material
# 8 of 27	Pocket Notebook	1 Single	Shell Material
# 9 of 27	Pocket Upper Front Facing	1 Single	Shell Material
# 10 of 27	Lower Pocket	1 Single	Shell Material
# 11 of 27	Pen/Pencil Loop	1 Single	Shell Material
# 12 of 27	Back Lower Facing	1 Single	Shell Material
# 13 of 27	Back Upper Facing	1 Single	Shell Material
# 14 of 27	Front Lower Facing	1 Single	Shell Material
# 15 of 27	Front Upper Facing	1 Single	Shell Material
# 16 of 27	Zip Ends	2 Paired	Shell Material
# 17 of 27	Back Upper Lining	1 Single	Lining Material
# 18 of 27	Front Upper Lining	1 Single	Lining Material
# 19 (a) of 27	Side Elastic Cummerbund	1 Paired	Elastic (10.2 cm – 4’’)
# 19 (b) of 27	Side Elastic Cummerbund	1 Paired	Elastic (12.7 cm – 5’’)
# 19 (c) of 27	Side Elastic Cummerbund	1 Paired	Elastic (15.2 cm – 6’’)
# 19 (d) of 27	Side Elastic Cummerbund	1 Paired	Elastic (17.8 cm – 7’’)
# 20 (a) of 27	Cummerbund Extension Grip (10.2 cm – 4’’)	1 Single	Shell Material
# 20 (b) of 27	Cummerbund Extension Grip (12.7 cm – 5’’)	1 Single	Shell Material
# 20 (c) of 27	Cummerbund Extension Grip (15.2 cm – 6’’)	1 Single	Shell Material

<b>Pattern Components</b>	<b>Nomenclature</b>	<b>Quantity to be cut</b>	<b>Material</b>
# 20 (d) of 27	Cummerbund Extension Grip (17.8 cm – 7")	1 Single	Shell Material
# 21 of 27	Side Waist Strap with Loop Template	1 Paired	Shell Material
# 22 of 27	Side Waist Strap with Hook Template	1 Paired	Shell Material
# 23 of 27	Side Waist Strap Reinforcement - Fusing	1 Paired	Fusing
# 24 of 27	Front Flap Reinforcement - Fusing	1 Single	Fusing
# 25 (a) of 27	Centre Back Waist Strap	1 Paired	Elastic (12.7 cm – 5")
# 25 (b) of 27	Centre Back Waist Strap	1 Paired	Elastic (15.2 cm – 6")
# 25 (c) of 27	Centre Back Waist Strap	1 Paired	Elastic (17.8 cm – 7")
# 25 (d) of 27	Centre Back Waist Strap	1 Paired	Elastic (20.3 cm – 8")
# 26 of 27	Shoulder Padding	2 Paired	Neoprene
# 27 of 27	Shoulder Padding - Cover	2 Paired	Nylon Lining

# Drawing 1

G.S. 1045-360

Soft Body Armour, Carrier, External, Flat Panels



Front View



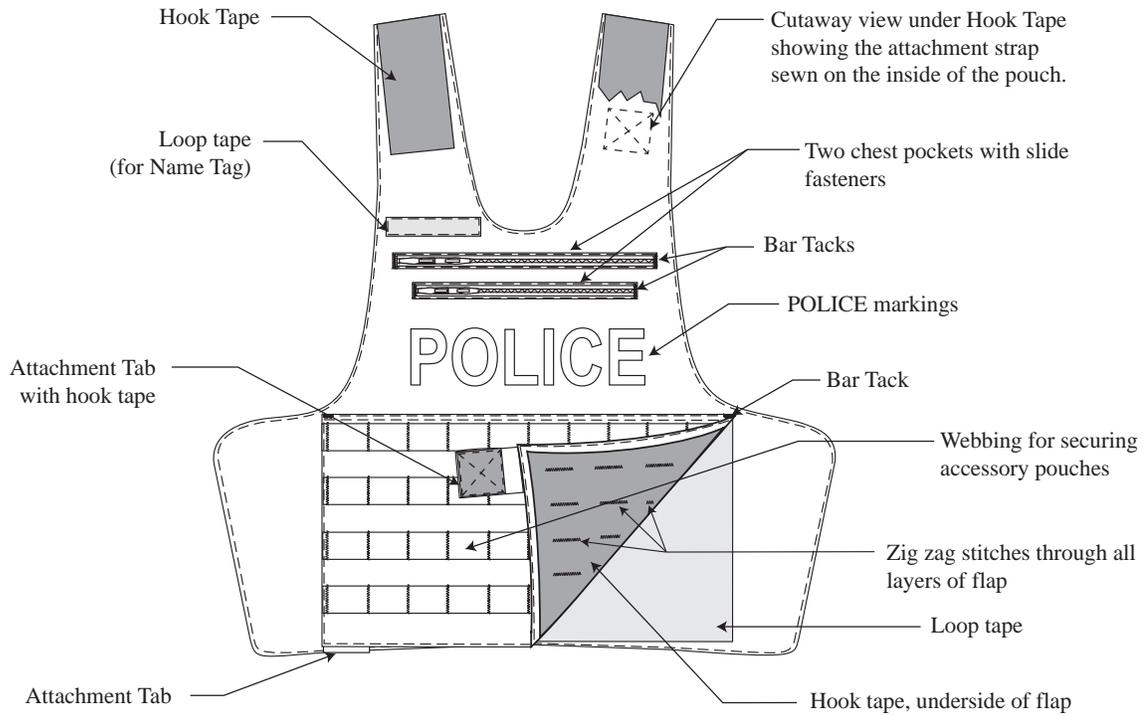
Back View

NOT TO SCALE

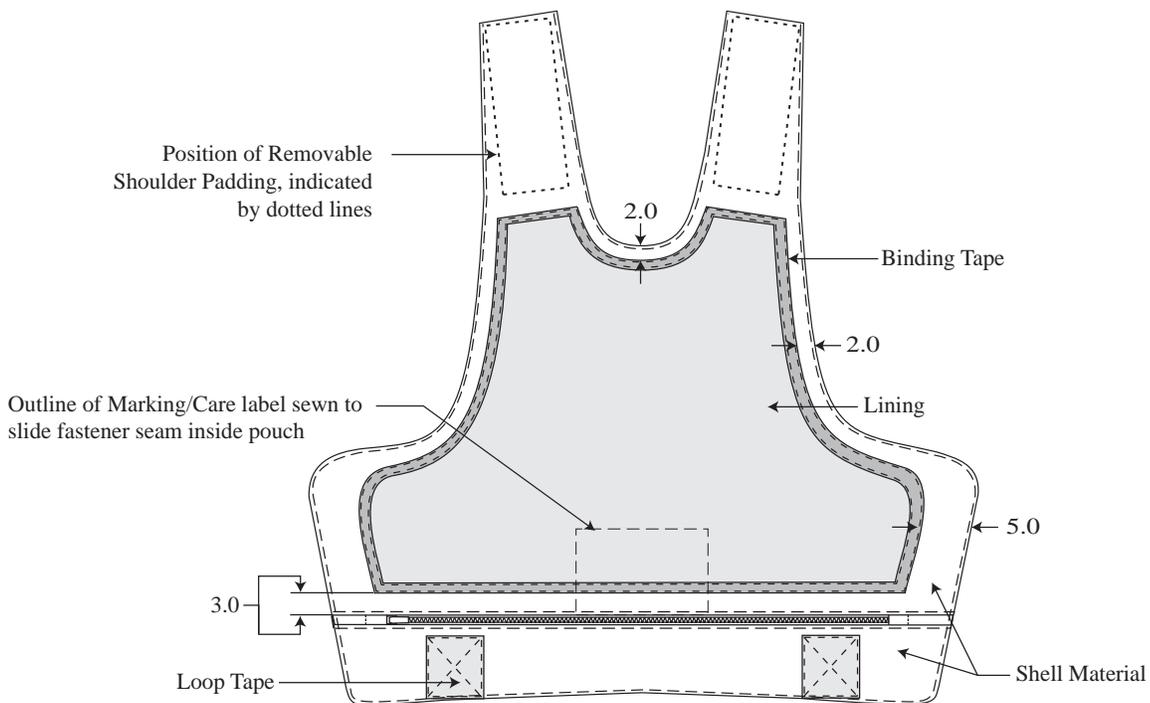
# Drawing 2

G.S. 1045-360

## Soft Body Armour, Carrier, External, Flat Panels Front Pouch



**Front Pouch (Front View)**



**Front Pouch (Back View)  
(Body Side)**

NOT TO SCALE

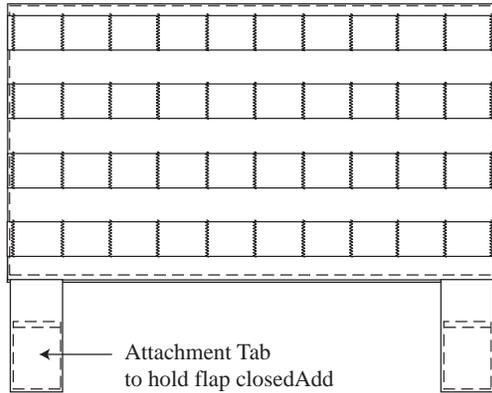
All measurements are shown in centimeters.

± 0.5 cm tolerance acceptable unless otherwise indicated.

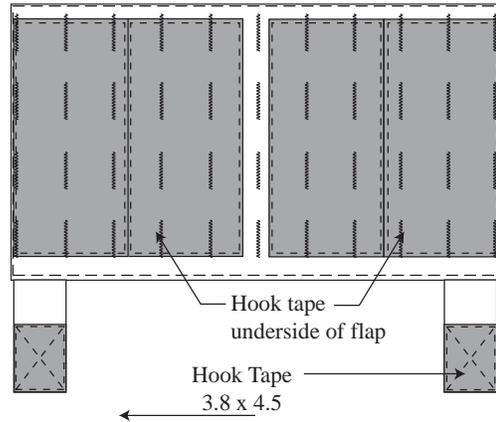
# Drawing 3

G.S. 1045-360

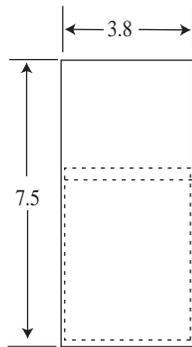
## Soft Body Armour, Carrier, External, Flat Panels Flap and Attachment Tab



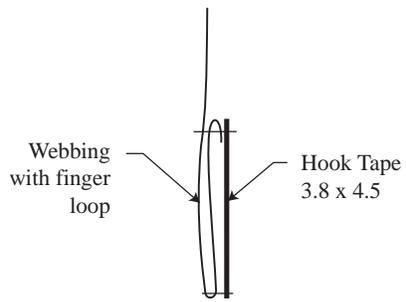
**Front Flap (Front View)**



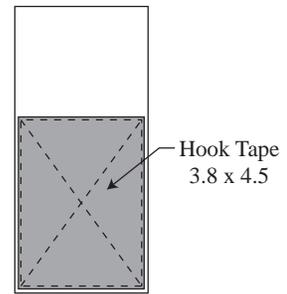
**Front Flap (Back View)**



**Front View**



**Side View**



**Back View**

### Attachment Tab Detail

NOT TO SCALE

All measurements are shown in centimeters.

± 0.2 cm tolerance acceptable unless otherwise indicated.

# Drawing 4

G.S. 1045-360

Soft Body Armour, Carrier, External, Flat Panels  
Front Pouch



**Front Pouch (shown without flap)**

NOT TO SCALE

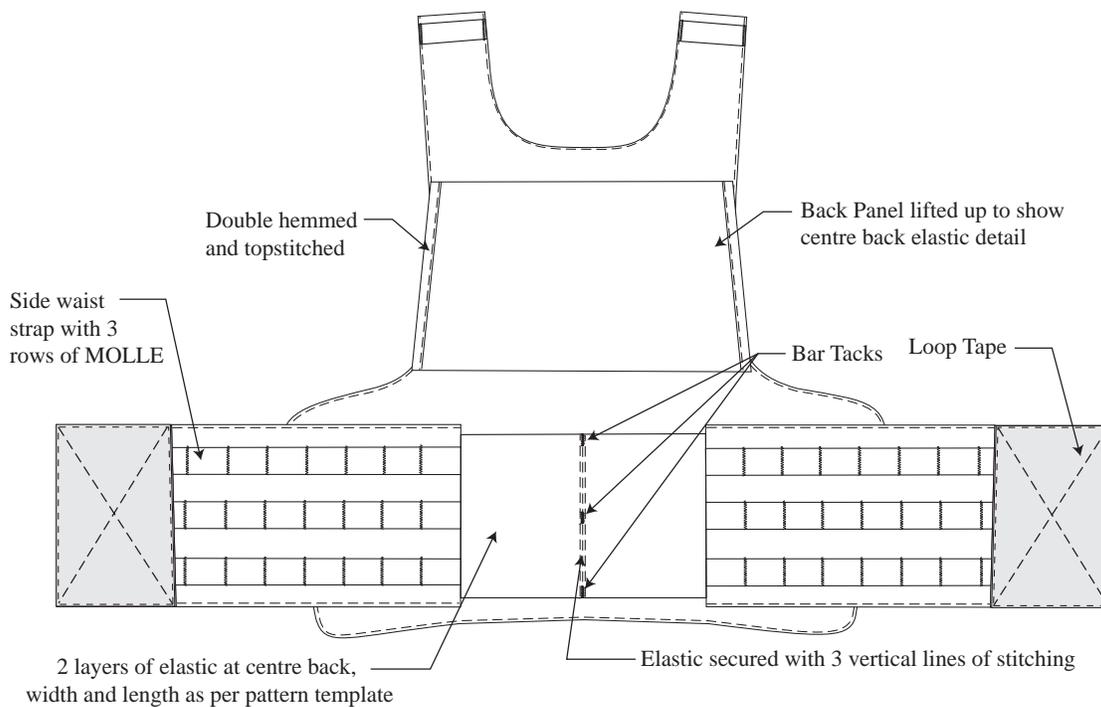
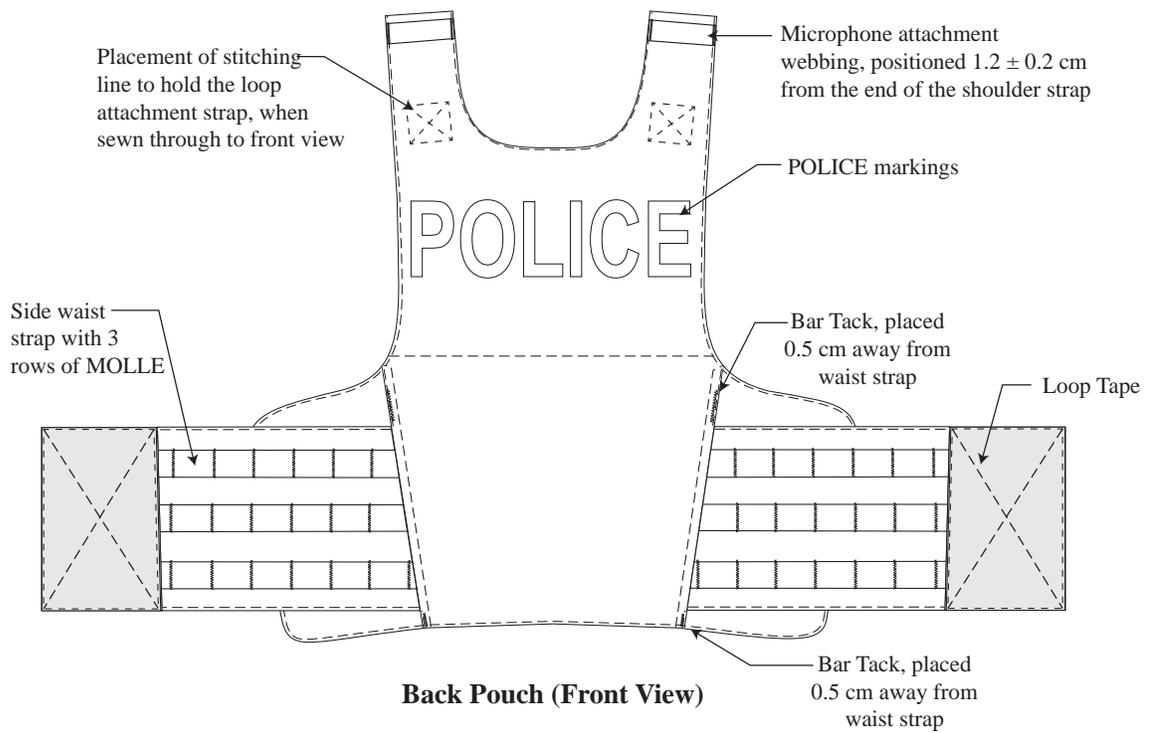
All measurements are shown in centimeters.

± 0.5 cm tolerance acceptable unless otherwise indicated.

# Drawing 5

G.S. 1045-360

## Soft Body Armour, Carrier, External, Flat Panels Back Pouch, Front View



NOT TO SCALE

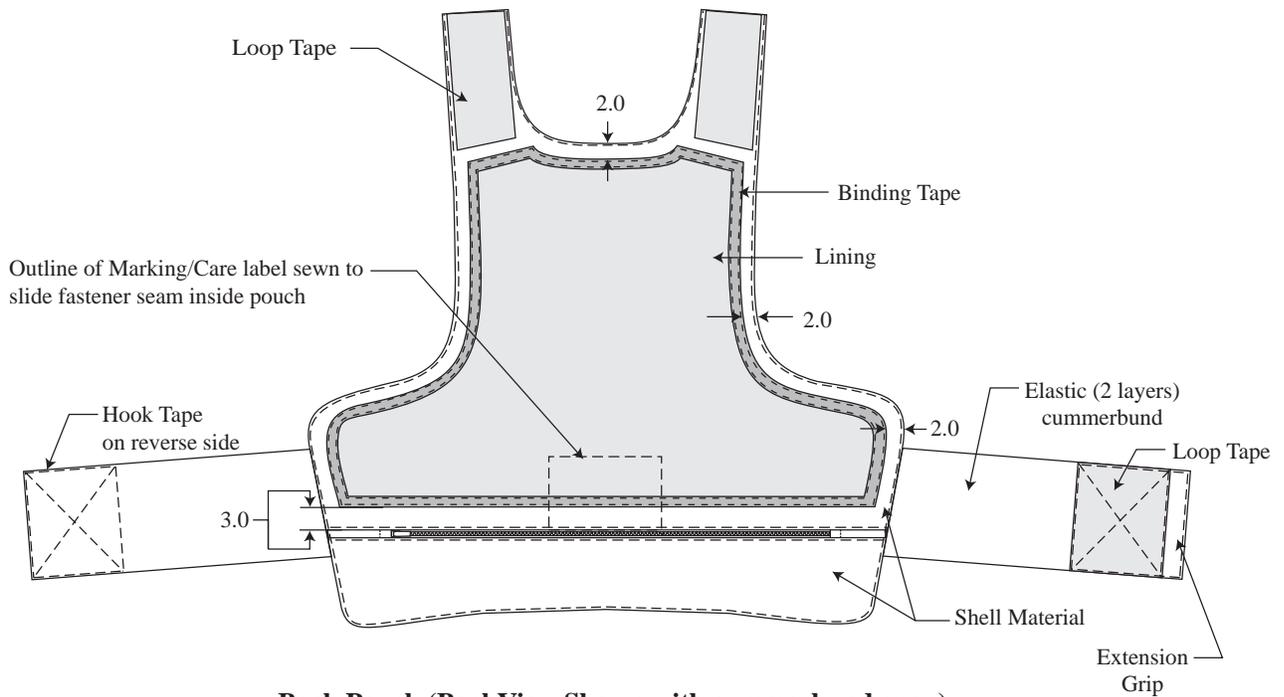
All measurements are shown in centimeters.

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

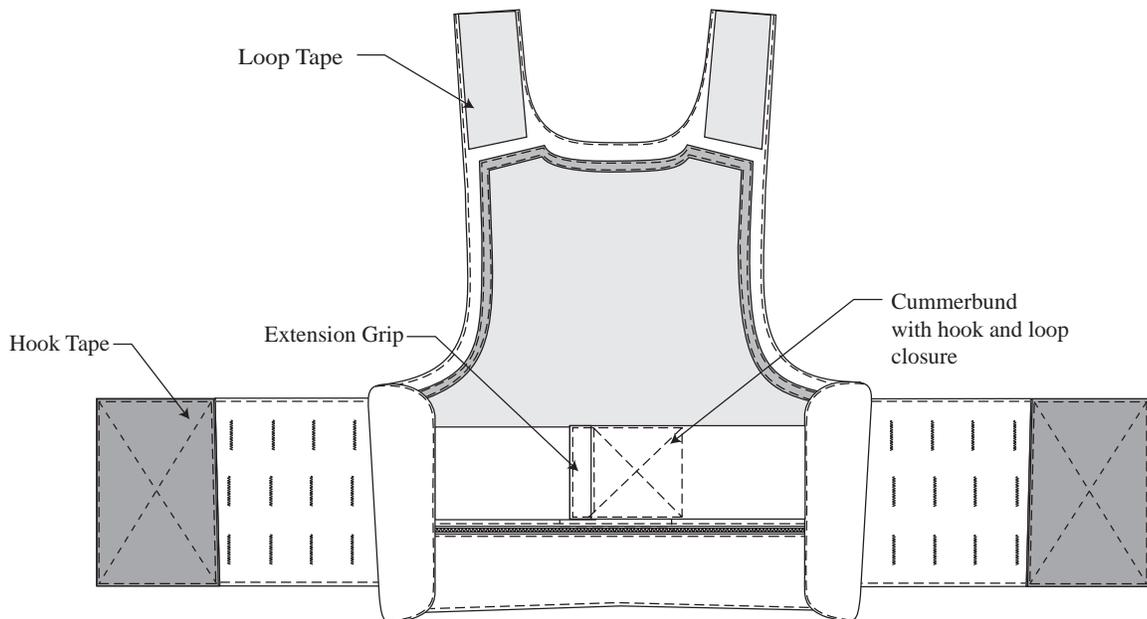
# Drawing 6

G.S. 1045-360

## Soft Body Armour, Carrier, External, Flat Panels Back Pouch, Back View



**Back Pouch (BackView Shown with cummerbund open)**  
**(Body Side)**



**Back Pouch (BackView with cummerbund attached)**  
**(Body Side)**

NOT TO SCALE

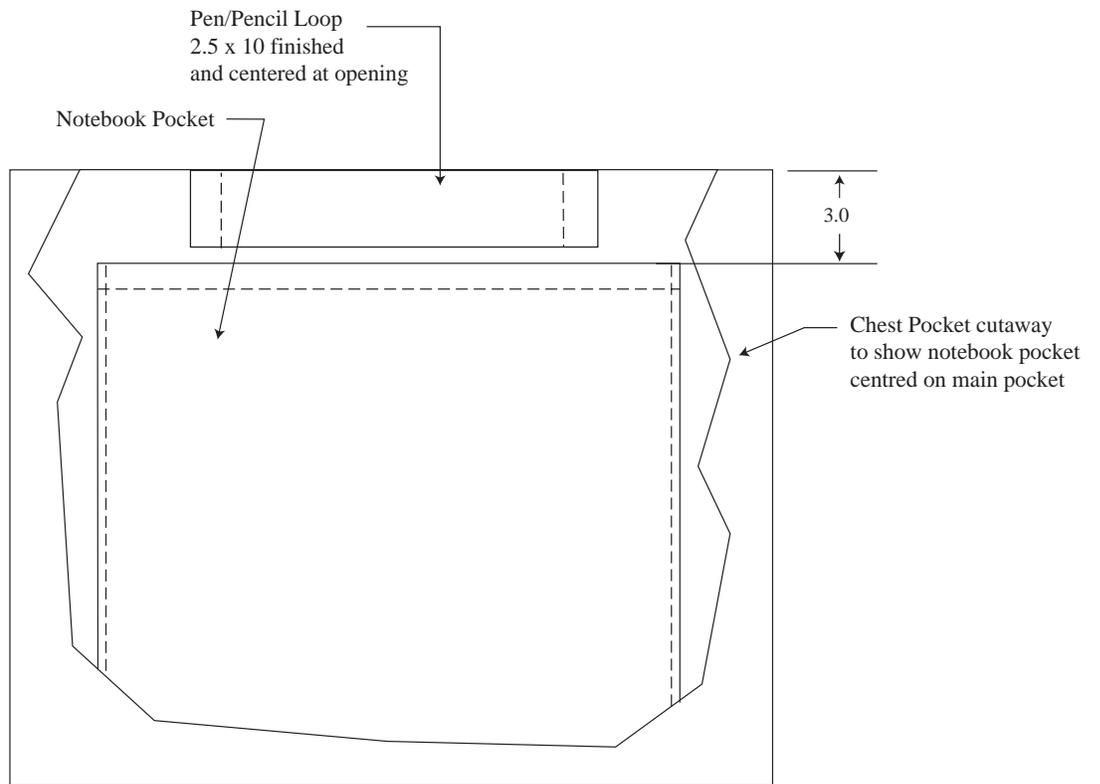
All measurements are shown in centimeters.

± 0.5 cm tolerance acceptable unless otherwise indicated.

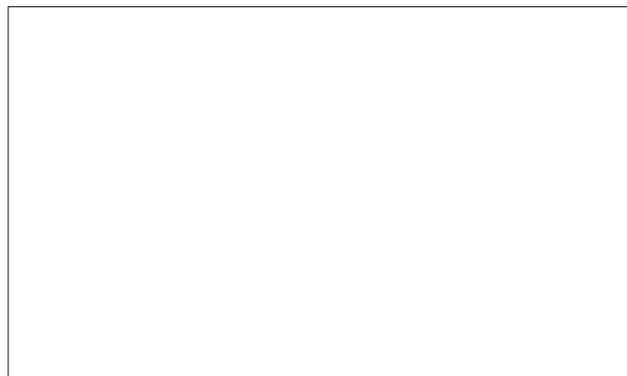
# Drawing 7

G.S. 1045-360

Soft Body Armour, Carrier, External, Flat Panels  
Chest Pockets Detail  
(Welted Opening with Slide Fastener Closure not shown)



**Upper Chest Pocket Bag and Inside Notebook Pocket**



**Lower Chest Pocket Bag**

NOT TO SCALE

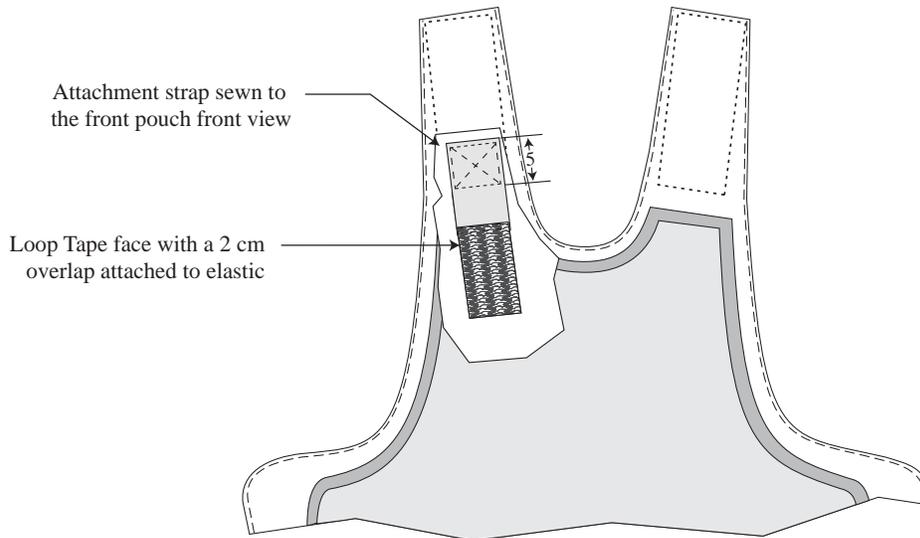
All measurements are shown in centimeters.

± 0.5 cm tolerance acceptable unless otherwise indicated.

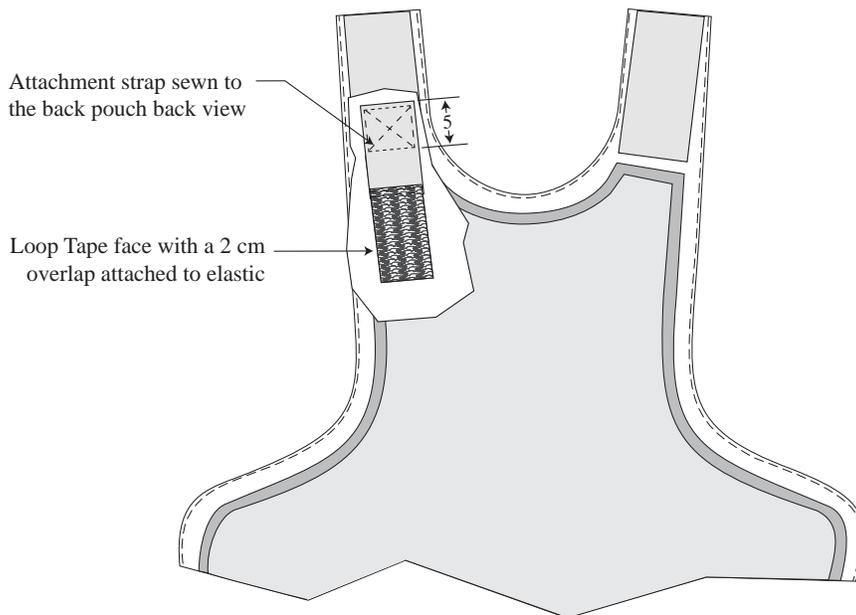
# Drawing 8

G.S. 1045-360

Soft Body Armour, Carrier, External, Flat Panels  
Cutaway View, Front & Back Pouches, showing  
Attachment Strap



**Front Pouch Detail**  
Back View (Body Side)



**Back Pouch Detail**  
Back View (Body Side)

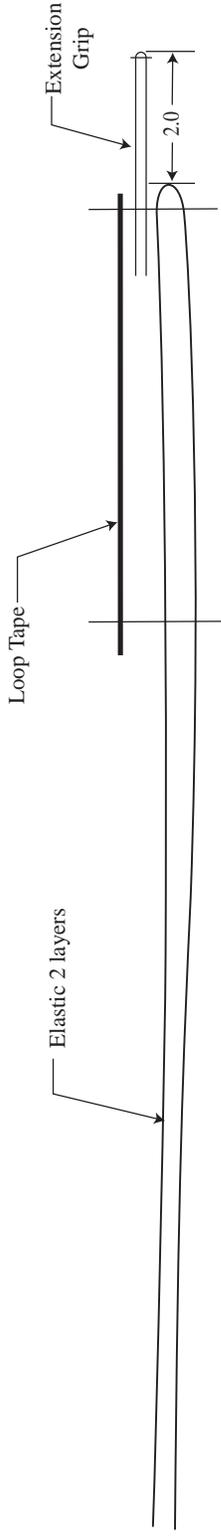
NOT TO SCALE

All measurements are shown in centimeters.

± 0.2 cm tolerance acceptable unless otherwise indicated.

# Drawing 9

Soft Body Armour, Carrier, External, Flat Panels  
Left Cummerbund Detail



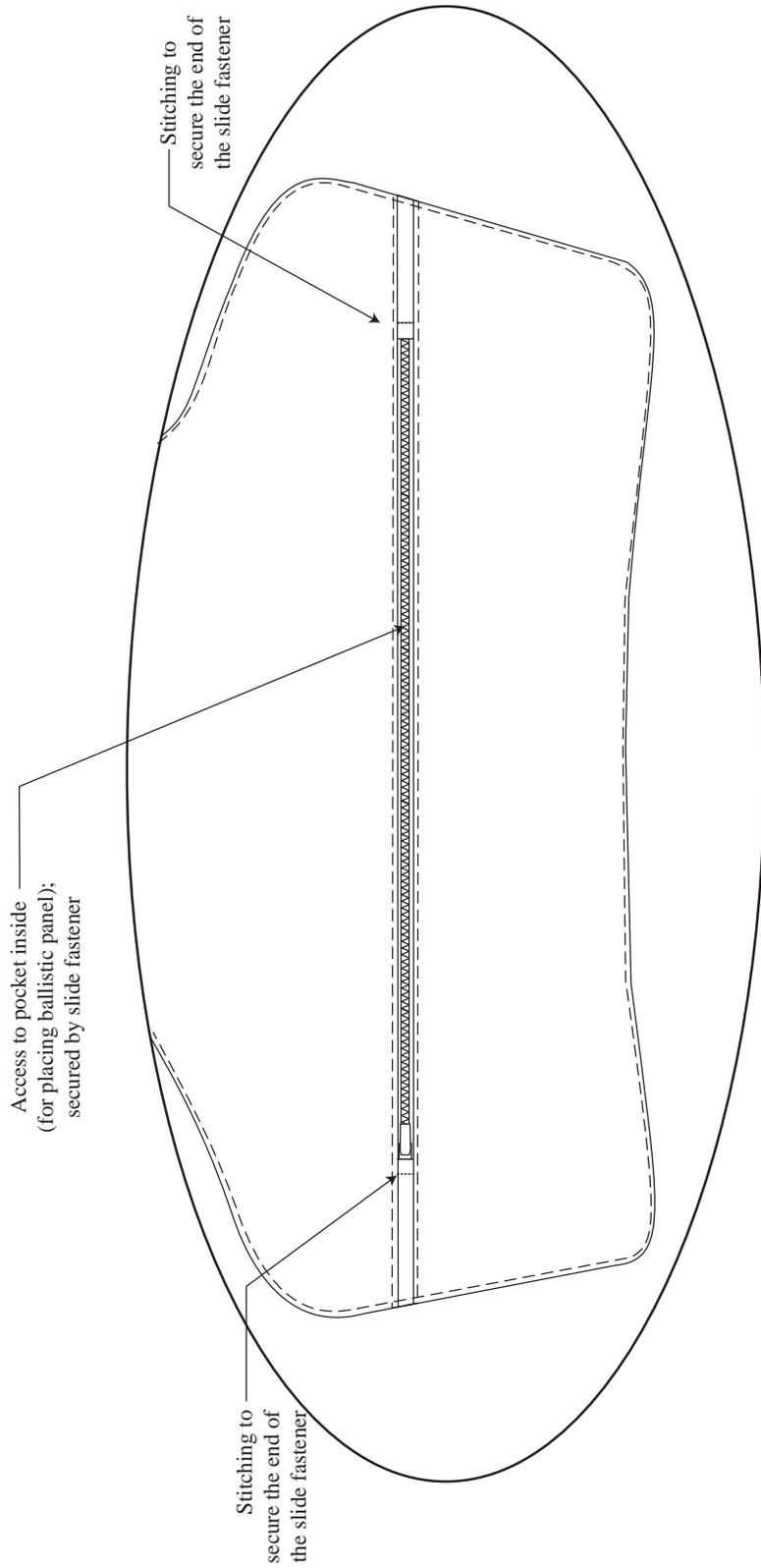
Left Cummerbund Side View

NOT TO SCALE  
All measurements are shown in centimeters.  
± 0.5 cm tolerance acceptable unless otherwise indicated.

# Drawing 10

G.S. 1045-360

Soft Body Armour, Carrier, External, Flat Panels  
Slide Fastener Opening Body Side



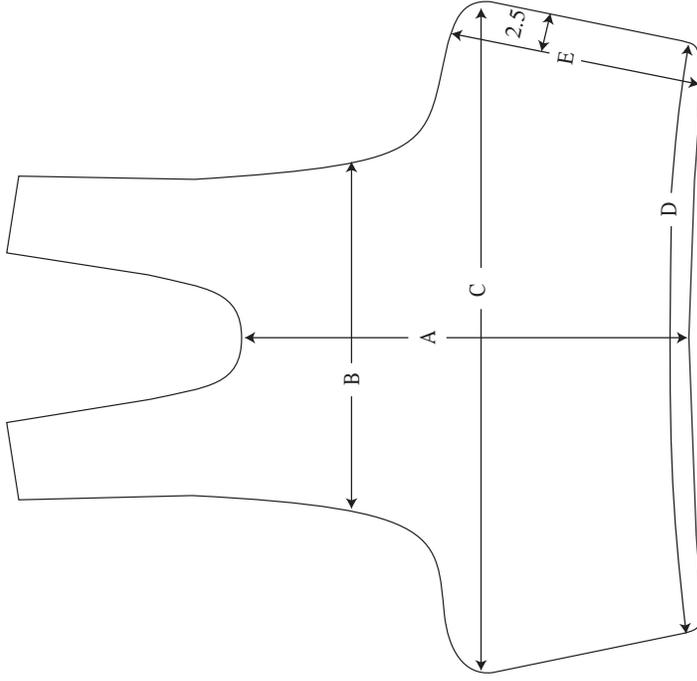
**Inner View**  
(Body Side)

NOT TO SCALE  
All measurements are shown in centimeters.  
± 0.5 cm tolerance acceptable unless otherwise indicated.

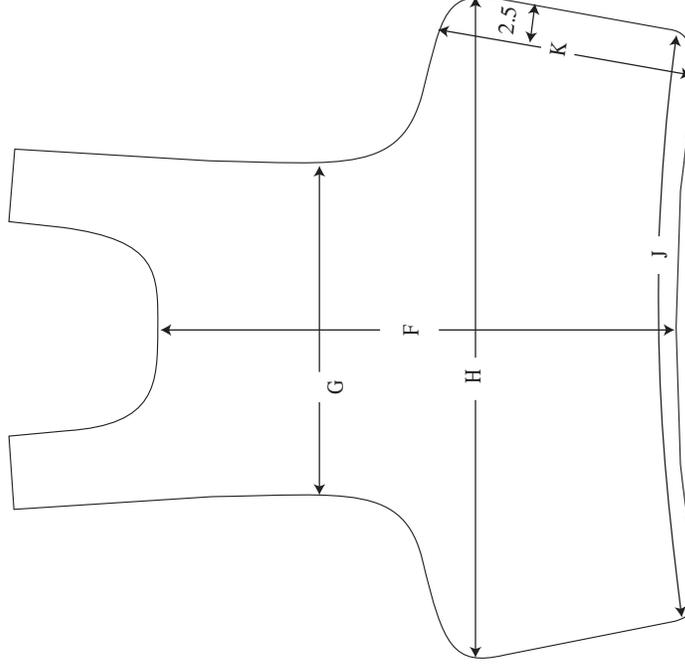
# Drawing 11

G.S. 1045-360

Soft Body Armour, Carrier, External, Flat Panels  
Measurement Location



**Front Pouch, body side**



**Back Pouch, body side**  
(show without waist straps)

NOT TO SCALE  
All measurements are shown in centimeters.  
± 0.5 cm tolerance acceptable unless otherwise indicated.



Royal Canadian Mounted Police  
Gendarmerie royale du Canada

Doc. no: G.S. 1045-368  
Date: 2018-12-21

## Specification

### Soft Body Armour, Carrier, External, Female Panels

This document has 33 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 & 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****Soft Body Armour, Carrier, External, Female Panels****1. Definition**

- 1.1 This specification must govern the manufacture and inspection of the Soft Body Armour, Carrier, External, Female Panels. The specific item covered under this specification with stock number is as follows:
- i. 8078-100 – Soft Body Armour, Carrier, External, Female Panels / Gilet pare-balles extérieur pour panneaux balistiques souples pour femmes
- 1.2 This specification, patterns, 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 Soft Body Armour, Carrier, External, Female Panels.
- 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            | Textile test methods – Woven Fabrics, Determination of number of threads per unit length |
| 4.2 No. 9.2-M90 (R2013)   | Textile test methods – Breaking strength of fabrics, grab method                         |
| 4.2 No. 12.1-2016         | Textile test methods – Tearing strength - Single-rip method                              |
| 4.2 No. 14-2005           | Textile test methods – Quantitative Analysis of Fibre Mixtures                           |
| 4.2 No. 19.1-2004 (R2013) | Textile test methods – Colourfastness to washing, Accelerated test                       |

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. 58-2004	Textile test methods – Dimensional change in domestic laundering of textiles
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.
A-A-59826A	Thread, Nylon

### 2.4 **Royal Canadian Mounted Police Specification (RCMP)**

G.S. 1045-367	Soft Body Armour, Female Panels
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### 2.5 **American Society for Testing and Materials (ASTM)**

D1777-96 (2015)	Standard Test Method for Thickness of Textile Materials
D3776/D3776M-09a (R2013)	Standard Test Method for Mass per Unit Area (Weight) of Fabric
D4966-12 (R2016)	Standard Test Method for Abrasion Resistance of Textile Fabrics (Martindale Abrasion Tester Method)
D5034-09 (R2013)	Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)
D5169-98 (2015)	Standard Test Method for Shear Strength (Dynamic Method) of Hook and Loop Touch Fasteners
D5170-98 (2015)	Standard Test Method for Peel Strength (“T” Method) of Hook and Loop Touch Fasteners
D8007-15 <sup>e1</sup>	Standard Test Method for Wale and Course Count of Weft Knitted Fabrics

### 2.6 **American Association of Textile Chemists and Colorists (AATCC)**

Test Method 8-2016	Colourfastness to Crocking: Crockmeter method
Test Method 15-2013	Colourfastness to Perspiration
Test Method 22-2017	Water Repellency: Spray Test
Test Method 61-2013	Colourfastness to Laundering: Accelerated

Test Method 135-2014      Dimensional Changes of Fabrics after Home Laundering

2.7      **General Services Administration – US Government**

**Federal Standard, Textile Test Methods; (FED-STD No. 191A)**

Method 4108      Strength and Elongation, Breaking; Textile Webbing, Tape and Braided Items

2.8      **International Standards Organization (ISO)**

105-B02:2014      Colourfastness to artificial light: Xenon arc fading lamp test

105-C10:2006 (2015)      Colourfastness to washing with soap or soap and soda

105-E04:2013      Colourfastness to perspiration

105-X12:2016      Colourfastness to rubbing (Crocking)

4920:2012      Textile fabrics — Determination of resistance to surface wetting (spray test)

6330:2012      Domestic washing and drying procedures for textile testing

7211-2:1984      Textiles – Woven fabrics – Construction – Methods of analysis Part 2: Determination of number of threads per unit length

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 viewing sample.

3.2      **Design** – The Soft Body Armour, Carrier, External, Female Panels must be a two piece, vest-like garment which will be used to carry RCMP issue ballistic body armour panels as specified in para. 2.4. The carrier must consist of a front and back and are joined by an internal cummerbund and an external waist strap and adjustable shoulder straps. The front pouch must have a princess seam that conforms to the female anatomy. The carrier must come with chest pockets, permanent POLICE identification markings, and MOLLE attachment webbing on the front and external waist straps.

#### 4. **Detail Requirements**

##### 4.1 **Components**

4.1.1 **Shell Material** – The shell material must be a dark navy in colour, 100% nylon 500 denier ripstop fabric meeting the requirements outlined in Table I. Brookwood product Westridge #FC0500RB has been known to meet the above requirements.

4.1.2 **Lining Material** – The lining must be a spacer mesh black in colour, 100% Polyester fabric, meeting the requirements of Table II. Gehring Textiles style SHR846 has been known to meet the requirement.

##### 4.1.3 **Nylon Webbing**

4.1.3.1 **Webbing, Accessory & Microphone Strap** – The webbing must be a durable nylon webbing, luggage quality, black in colour measuring 2.54 cm (1”) wide and 0.04” ± 0.01” thick. It must have a minimum tensile strength of 1000 lbs. as per Federal Standard 191A test method #4108 and be equal in appearance to the viewing sample. Tape Craft #N0015S-1”-YD001-352 has been known to meet the requirements.

4.1.3.2 **Nylon Webbing, Flap Attachment Tab** - The webbing shall be a durable nylon webbing, luggage quality, black in colour measuring 3.8 cm (1.5”) wide and 0.043” ± 0.01” thick. It shall have a minimum tensile strength of 1500 lbs. as per Federal Standard 191A test method #4108 and be equal in appearance to the viewing sample. Tape Craft #N0015S has been known to meet the requirements.

##### 4.1.4 **Thread**

4.1.4.1 **Seam and Stitching Thread** – The thread must be polyester wrap, polyester core, Tex 50, Type II of matching colour to the shell material, meeting U.S. government standard A-A-50199A.

4.1.4.2 **Reinforce Stitching Thread** – The thread must be a nylon continuous filament bonded, Class A, Type II, size B (Tex 45), meeting U.S. government standard A-A-59826A. It must be black in colour.

4.1.5 **Hook and Loop Tape** – The hook and loop tape must be nylon, black in colour, with a high life cycle. The combined hook and loop must have no less than 8 P.S.I length-wise shear strength with initial peel strength of no less than 1 P.I.W. when

tested to ASTM D5169-98 (2015), standard test method for shear strength [dynamic method] of hook and loop touch fasteners and ASTM D5170-98 (2015), standard test method for peel strength ["T" method] of hook and loop touch fasteners. Dimensions must be as per drawings and pattern template.

#### 4.1.6 **Slide Fastener**

4.1.6.1 **Horizontal Chest Pockets** – The slide fastener must be a 2-way closed end slide fastener, black in colour with auto-locking sliders, two arranged in a head to head relation with one opening to the left and one opening to the right. YKK 13094 CIFMC 59/9 DS6YG C5/DS6YG C5 5/8\*BTM-2\*H-H\* (only). The slide fastener must be available in 6 lengths, 7", 7½", 8", 8½", 9" and 9½".

4.1.6.2 **Interior Access Panel** – The slide fastener must be a 1-way reverse coil closed end slide fastener, black in colour with an auto-locking slider. YKK 61351 5CI 5/8 CHAIN \*200 MTS/RL\*, and 75492 5CN DS6B C5 SLIDER (only). The slide fastener must be available in 5 lengths: 11½", 14½", 16½", 19½" and 21½".

#### 4.1.7 **Elastic**

4.1.7.1 **Elastic, Back and Cummerbund** – The elastic must be heavy duty woven elastic, with a composition of at least 70% polyester blended with rubber and a medium finish. The elastic must be black in colour, with a stretch and recovery as per component viewing samples. It must be available in five widths: 7.6 cm (3"), 10.2 cm (4"), 12.7 cm (5"), 15.2 cm (6") or 17.8 cm (7").

4.1.7.2 **Elastic, Attachment Strap** – The attachment strap must be heavy duty woven elastic, with a composition of at least 70% polyester blended with rubber and a medium finish. The elastic must be black in colour, 5 cm (2") wide with a stretch and recovery as per component viewing sample.

4.1.8 **Binding Tape** – The binding tape must be heavy duty nylon, grosgrain binding tape, black in colour, 2.54 cm wide and 0.3 mm thickness.

4.1.9 **Neoprene Padding** – The neoprene padding must be made of 100% Nylon on the outer surface and 10% Nylon/ 90% Neoprene as the inner content. It must be 725 g/m<sup>2</sup> ± 25 g/m<sup>2</sup>, 2.5 mm thick, black in colour.

4.1.10 **Fusing** – The fusible interlining must be black plain weave, 100% cotton with a mass of 120 g/m<sup>2</sup> – 150 g/m<sup>2</sup>. The fusible interlining must have polyamide or a

polyamide blend resin constructed in a dot pattern and sufficient in concentration for no delamination to occur after home laundering. Care must be taken to ensure that, after application, the fusible interlining shrinks at the same percentage as the material it is being fused to. The fusing procedures must be those recommended by the fusible interlining supplier.

4.1.11 **Heat Transfer Vinyl** – The heat transfer vinyl used for the police markings must be a polyurethane composition. The thickness must be 80 microns (.08 mm) with a stretch and rebound of 3. The vinyl must withstand 50 home launderings after application.

4.2 **Size and Dimensions** – The Soft Body Armour, Carrier, External, Female Panels must be supplied in the sizes specified by the RCMP and to the dimensions provided in document *368 Soft Body Armour, Carrier, External, Female Panels – Scale of Measurements – 8078 Female Sizes* and to the attached drawings forming part of this specification. The female size roll is extensive and includes evenly graded chest, waist and front length measurements to accommodate all body shapes. The first two digits of the five digit size designation represent the chest measurement. The Soft Body Armour, Carrier, External, Female Panel components must 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 **Stitching** – All stitching must be lockstitch. There must be no less than three or more than four stitches per centimeter. The beginning and ending of all stitching must be securely backstitch tacked, unless secured by other stitching. Where seaming, turning and stitching are required the edges must be properly worked out before stitching. Care must be taken to minimize unsightly gathering and puckering. Ball point needles must be used for all stitching through elastic components.

4.3.2 **Body**

4.3.2.1 **Front Pouch – Front View** – The front pouch must be made from the shell material specified in para. 4.1.1, lined with shell material and the lining material specified in para. 4.1.2, and must be sized and shaped to the pattern and the scale of measurements. The front pouch must have a princess seam that conforms to the female anatomy. The shoulder strap portions must have hook tape as specified in para. 4.1.5 for shoulder closure and adjustment. The hook tape must be 5 cm wide

by the finished length specified in the component scale of measurements for the appropriate size and be positioned on the face of the shell material at the shoulder edge as per drawing 2. The name tag must be loop tape as per para 4.1.5, 8.5 cm  $\pm$  0.2 cm long by 2.5 cm wide and positioned on the right front as per the patterns and drawing 2. There must be a POLICE marking as specified in para. 4.3.7 and 4.3.7.1 permanently adhered to the shell material. The marking must be centred between the side edges of the pouch and centred between centre of the lower pocket and the top edge of the flap. The lower front portion of the pouch must have one piece of loop tape centred horizontally and sewn as dimensioned and placed as per pattern template. The loop tape must have sealed edges to prevent fraying. The loop tape must be secured to the pouch with two rows of stitching using a 3 mm and 6 mm gauge along all edges. The bottom edge of each corner of the loop tape must be bar tacked with a 15 mm to 20 mm long bar tack, with no less than 18 cover stitches as per drawing 4.

- 4.3.2.2 **Front Pouch Chest Pockets** – The front of the external carrier must have two horizontal chest pockets one above the other secured by the slide fastener specified in para. 4.1.6.1. Refer to the component scale of measurements for the appropriate length by size. Each end of the horizontal pocket openings must be bar tacked with 15 mm to 20 mm long bar tacks, with no less than 18 cover stitches as per drawing 2. Inside the top chest pocket must be a notebook pocket and a pen loop dimensioned as per the pattern and drawing 7.
- 4.3.2.3 **Front Pouch Flap** – The front flap must be made of shell material as specified in para 4.1.1 and must be fused using fusing as specified in para. 4.1.10. The front flap must have 4 pieces of hook tape dimensioned as per pattern template, placed on the underside of the flap, positioned according to drawing 3. Depending on the size of the carrier, the front flap must have 3 or 4 rows of webbing as specified in para. 4.1.3.1 and placed as per the pattern template. Refer to the scale of measurements for the number of rows by size. Each row of webbing must be secured with vertical reinforced zig zag stitching 3 mm wide at intervals of 3.8 cm  $\pm$  0.1 cm across the flap through all layers as per pattern template and drawings 2 and 3. The reinforced stitching must be done using thread as specified in para. 4.1.4.2. Care must be taken to ensure the webbing does not pull or buckle and that there are no broken or dropped stitches when the reinforced stitching is done to secure the webbing. The finished flap must be secured to the pouch with two rows of stitching using a 3 mm and 6 mm gauge along the flap's top edge. The top edge of each corner of the flap must be bar tacked with a 15 mm to 20 mm long bar tack, with no less than 18 cover stitches as per drawing 2.

- 4.3.2.4 **Front Pouch Attachment Tab** – There must be attachment tabs sewn between the flap layers at the bottom corners of the front flap. The attachment tabs must be made with nylon webbing as specified in para. 4.1.3.2 with a finished dimension of 3.8 cm x 7.5 cm ± 0.2 cm. The attachment tabs must have a finger loop and a piece of hook tape as specified in para. 4.1.5, measuring 3.8 cm x 4.5 cm ± 0.2 cm sewn to the back side of the tab. The attachment tabs must be constructed and dimensioned as per drawing 3.
- 4.3.2.5 **Front Pouch – Back View** – The back of the front pouch must be made with shell material as specified in para. 4.1.1 and lining material specified in para. 4.1.2 and must be shaped and dimensioned as per pattern. The lining must be bound with the binding tape as specified in para. 4.1.8 around all edges and then sewn on top of the shell material as per drawing 2. The upper and lower facing must be made from shell material as specified in para. 4.1.1. There must be two pieces of loop tape measuring 3.8 cm x 5 cm ± 0.2 cm positioned at the bottom of the lower piece as per the pattern template and drawing 2. The back view of the pouch must have a slide fastener as per drawing 10. Refer to the component scale of measurements for the appropriate slide fastener length by size. The slide fastener must be as specified in para. 4.1.6.2. If stoppers are not being used on the slide fastener, then there must be two layers of vertical stitching through all layers to secure the slide fastener as per drawing 10. The marking and cleaning instructions label as specified in para. 4.3.8 must be sewn to the slide fastener seam as per drawing 2 on the inside of the opening. Inside the pouch at each shoulder strap is an attachment strap as per para. 4.3.5.
- 4.3.2.6 **Back Pouch – Front View** – The back pouch front view must be made from the shell material specified in para. 4.1.1 and must be sized and shaped to the scale of measurements and pattern. The front view is two pieces. The lower back is sewn to the upper back piece across the back at the armhole level creating a loose end. The side edges of the loose end must be double folded and topstitched the full length using an 8 mm gauge. At the double folded edge where the upper back loose end overlaps the lower piece near the stitching line, the upper back folded seam must be topstitched to the lower back piece from the armhole seam to within 0.5 cm of the waist strap using a 3 mm gauge. There must be 1 cm long bar tacks, with no less than 18 cover stitches, starting 0.5 cm from the top of the waist strap and from the bottom of the waist strap as per drawing 5. Under the cover at the center back, a side waist strap as specified in para. 4.3.4 must be stitched securely with a triple row of stitching and three 1 cm long bar tacks with no less than 18 cover stitches must be installed in the middle and at each end of the stitching as per drawing 5. At the shoulder strap, there must be webbing as specified in para. 4.1.3.1, sewn 1.2

cm  $\pm$  0.2 cm from the edge. The total length of the webbing must fit across shoulder strap and be sewn on top at each seam to create a loop. The webbing ends must be sealed to prevent fraying. There must be a POLICE marking as specified in para. 4.3.7 and 4.3.7.1 permanently adhered to the shell material. The marking must be centered between the sides of the pouch and be placed 5 cm  $\pm$  0.5 cm below the back neckline. There must be a cummerbund as specified in para. 4.3.3 dimensioned as per pattern sewn into the side seams of the back pouch as per pattern placement.

- 4.3.2.7 **Back Pouch – Back View** – The body side of the back pouch must be made with shell material as specified in para. 4.1.1 and lining material specified in para. 4.1.2 and must be shaped and dimensioned as per pattern. The lining must be bound with the binding tape as specified in para. 4.1.8 around all edges and then sewn on top of the shell material as per drawing 6. The upper and lower facing must be made from shell material as specified in para. 4.1.1. The back view of the pouch must have a slide fastener as per drawing 10. Refer to the component scale of measurements for the appropriate slide fastener length by size. The slide fastener must be as specified in para. 4.1.6.2. If stoppers are not being used on the slide fastener, then there must be two layers of vertical stitching through all layers to secure the slide fastener as per drawing 10. The marking and cleaning instructions label as specified in para. 4.3.8 must be sewn to the slide fastener seam as per drawing 6 on the inside of the opening. Inside the pouch at each shoulder strap is an attachment strap as per para. 4.3.5. Loop tape 5 cm wide must be applied to the body side of the shoulder strap as per drawing 8. Refer to the component scale of measurements for the appropriate length by size. The loop tape must be placed in line with the shoulder top edge.
- 4.3.3 **Cummerbund** – The cummerbund must be made of a double layer of elastic as specified in para. 4.1.7.1. Refer to the component scale of measurements for the appropriate elastic width by size. The right cummerbund must have hook tape as specified in para.4.1.5, 10.2 cm  $\pm$  0.5 cm in length by the width of the elastic sewn on top of the elastic. The elastic must be inserted into the back pouch side seam with the hook tape facing the back pouch front view when laid flat. The left cummerbund must have loop tape as specified in para. 4.1.5 10.2 cm  $\pm$  0.5 cm in length by the width of the elastic is sewn on the top of the elastic. There must be an extension grip made of shell material as specified in para. 4.1.1 dimensioned as per the pattern inserted between the folded edge of elastic and the loop tape as per drawing 9. The elastic must be inserted into the back pouch side seam with the loop tape facing the back pouch back view when laid flat. Refer to drawing 6 for placement.

- 4.3.4 **Side Waist Strap** – The side waist strap must be made of a double layer of elastic as specified in para. 4.1.7.1, shell material as specified in para 4.1.1 and fusing as specified in para. 4.1.10. The waist strap must be sized and shaped as per the pattern. Each end of the double elastic must be joined to one end of the waist strap. The waist strap must have 3 rows of webbing as specified in para. 4.1.3.1 and placed as per pattern template. Each row of webbing must be secured with vertical reinforced zig zag stitching 3 mm wide at intervals of  $3.8 \text{ cm} \pm 0.1 \text{ cm}$  across the webbing through all layers as per drawings 5 and 6. The reinforced stitching must be done using thread as specified in para. 4.1.4.2. Care must be taken to ensure the webbing does not distort the shell material and that there are no broken or dropped stitches when the reinforced stitching is done to secure the webbing. Both ends of the waist strap must have a piece of loop tape next to the webbing and a piece of hook tape on the opposite side. Refer to drawings 5 and 6 and the pattern template for size and placement. Refer to the component scale of measurements for the appropriate elastic width by size.
- 4.3.5 **Attachment Straps** – Inside the front and back pouch at each shoulder strap is an attachment strap to hold the ballistic panel in place. The attachment strap must measure 5 cm wide by the finished length specified in the component scale of measurements for the appropriate size and be positioned as per the pattern template. The top portion of the attachment strap must be made from elastic as specified in para. 4.1.7.2 and must measure  $10 \text{ cm} \pm 0.5 \text{ cm}$  in length. The bottom portion of the attachment strap must be made from loop tape as specified in para. 4.1.5. The loop tape must measure 5 cm wide by the length specified in the component scale of measurements. The loop tape must be stitched to the elastic and overlap by  $2 \text{ cm} \pm 0.2 \text{ cm}$ . The loop tape surface must face the body side to ensure proper adherence to the ballistic panels. On the front pouch, the first 5 cm of elastic must be stitched to the back side of the front view shell material. On the back pouch, the first 5 cm of elastic must be stitched to the back side of the back view or may be stitched through to the front view. It must be stitched in a box and ‘X’ pattern within the lower stitching line as per the pattern template and drawing 8.
- 4.3.6 **Removable Shoulder Padding** – There must be a removable shoulder pad for each shoulder strap, 5 mm thick with  $\pm 1 \text{ mm}$  tolerance made from 2 layers of neoprene as specified in para. 4.1.9 and covered with black nylon fabric. The shoulder padding must be inserted in each front shoulder strap, between the shell and the mesh lining. It must be sized as  $4.8 \text{ cm} \pm 0.5 \text{ cm}$  wide by  $15.2 \text{ cm} \pm 0.5 \text{ cm}$  long and be equal in all respects to the pattern and viewing sample.

4.3.7 **POLICE Markings** – The front pouch front view and the back pouch front view must have permanent POLICE markings applied using heat-transfer method. The heat transfer material used must be as specified in para. 4.1.11. The font must be Arial as indicated in the drawings. The letter colour must be opaque white with no grin through of the shell material. The marking must be able to withstand normal washing and drying at least 50 times without degradation of the colour or permanency. There must be no loose or un-bonded edges or corners.

4.3.7.1 **POLICE Markings – Sizes** – The Police markings must be available in three sizes. Size I must be used on the front pouch on chest sizes 32 through 38. Size II must be used on the back pouch on chest sizes 32 through 38 and the front pouch on chest sizes 40 and up. Size III must be used on the back pouch on chest sizes 40 and up. The dimensions for each size are listed below.

Size I: 4.8 cm x 16.1 cm

Size II: 5.5 cm x 18 cm

Size III: 7.5 cm x 23.5 cm

4.3.8 **Marking & Cleaning Instructions Label** – Both the front pouch and the back pouch must have a durable label positioned and sewn to the slide fastener seam inside each pouch as shown in drawing 2 and 6. The text must be permanent inks of a contrasting colour and must withstand at least 50 washes with no apparent 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 label. The label must contain the following information in English and French.

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. 8078 100).
4. Size (Ex. 38333)
5. Date of manufacture, in numeric format year/month (Ex. 2018/11)
6. Your manufacturer identification (Company name or number).
7. Name of RCMP member
8. Reg. #.
9. Order number as printed on order document.
10. Print information as shown below.

1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
	Machine wash - cool (30°C) Wash separately Use minimal soap Double Rinse to remove all soap residue	Laver à la machine – à l'eau froide (30°C) Laver séparément Utiliser le moins de savon possible Rincer deux fois pour éliminer tout résidu de savon
	<b>Do Not</b> use fabric softener or chlorine bleach	<b>Ne pas</b> utiliser d'agent adoucissant ou d'agent de blanchiment
	Tumble dry- low ( <b>Do Not</b> use dryer sheets)	Séchage par culbutage – à basse température ( <b>Ne pas</b> utiliser d'assouplissant en feuilles)
	Steam iron - low	Repassage à vapeur - à basse température
	Warning: Remove SBA panels before laundering	Veuillez enlever les panneaux de protection avant le lavage.

4.3.9 **Packaging** – The carrier must be assembled at the waist.

## 5. **Quality Assurance Provisions**

5.1 **Responsibility for Inspection** – Unless otherwise stipulated in the contract, it is the prime contractor's responsibility to satisfy the RCMP, Uniform & 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 & Equipment Program that conformity to this specification of manufacturing processes is assured. The contractor must use a commercial testing establishment acceptable to the RCMP, Uniform & Equipment Program.

5.2 The RCMP, Uniform & 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 replaced/repared at the contractor's risk and expense.

## 6. **Scale of Measurement Definitions and Location References**

Refer to drawing 11 for the corresponding scale of measurement location. The scale of measurements are provided in a separate document *368 Soft Body Armour, Carrier, External, Female Panels – 8078 Female Sizes*. The measurements are taken on the body side of each panel.

### **Front Pouch**

- 6.1 **Center Front Length** – The length must be measured from the base of the neckline to the hem. (A).
- 6.2 **Front Upper Chest Width** – The width must be measured across the front at the level of the lower chest pocket. (B).
- 6.3 **Front Chest Width** – The width must be measured across the front at the widest point of the top edge of the side wing from edge to edge. (C).
- 6.4 **Front Waist Width** – The width must be measured across the widest point at the bottom of the pouch from edge to edge. (D).
- 6.5 **Front Side Wing Height** – The height must be measured at the side from top to bottom 2.5 cm from the side edge. (E).

### **Back Pouch**

- 6.6 **Center Back Length** – The length must be measured from the base of the neckline to the hem. (F).
- 6.7 **Back Upper Width** – The width must be measured across the back, 8.5 cm below the back neckline. (G).
- 6.8 **Back Chest Width** – The width must be measured across the back at the widest point of the top edge of the side wing from edge to edge. (H).
- 6.9 **Back Waist Width** – The width must be measured across the widest point at the bottom of the pouch from edge to edge. (J).
- 6.10 **Back Side Wing Height** – The height must be measured at the side from top to bottom, 2.5 cm from the side edge. (K).

**TABLE I**  
**Shell Material Testing Requirements**

REQUIREMENT			TEST METHODS
1	Colour	Dark Navy, to match swatch available from RCMP Uniform & Equipment Program	
2	Fibre Content	100% Nylon	
3	Weave	Ripstop	
4	Mass	235-270 g/m <sup>2</sup> ± 14g/m <sup>2</sup>	
5	Yarns per cm	Warp:	18 min.
		Weft:	14.5 min.
6	Breaking Strength - Grab Method Constant-rate-of-extension (CRE) machine	Warp:	1480 N min
		Weft:	1320 N min
7	Tearing Strength - Rip Method Constant-rate-of-extension (CRE) machine	Warp:	175 N min
		Weft:	175 N min
8	Abrasion Resistance - Martindale Tester	No breakdown after 70,000 rubs	
9	Dimensional Change in Domestic Laundering (cool wash 40°C)	Warp:	2% max
		Weft:	2% max
10	Resistance to Surface Wetting - Spray Method	Initial	100
		After 5 washes	70 or better
11	Colourfastness - To Light – Xenon Arc Method	Blue wool Standard L6 or better	
12	Colourfastness - To Crocking	Dry:	Gray Scale 4 or better
		Wet:	Gray Scale 4 or better
13	Colourfastness - To Perspiration	Acid:	Gray Scale 4 or better
		Alkaline:	Gray Scale 4 or better
14	Colourfastness - To Laundering (cool wash 40°C)	Gray Scale 4 or better	

**TABLE II**  
**Lining Material**

REQUIREMENT			TEST METHODS
1	Colour	Black	
2	Fibre Content	100% Polyester	<ul style="list-style-type: none"> <li>CAN/CGSB-4.2 No. 14-2005</li> </ul>
3	Knit	Double Needle Bar Mesh	
4	Mass	556 g/m <sup>2</sup> ± 54 g/m <sup>2</sup> 16.4 oz/yd <sup>2</sup> ± 1.6 oz/yd <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/D3776M-09a (R2013)</li> </ul>
5	Yarns per inch	Wales:	11 ± 2
		Courses:	22 ± 2
6	Dimensional Change in Domestic Laundering (cool wash 30°C)	Warp:	3% max
		Weft:	3% max
7	Thickness	6.6 mm ± 0.66 mm 0.261" ± 0.026"	
8	Colourfastness - To Crocking	Dry:	Gray Scale 3.5 or better
		Wet:	Gray Scale 3.5 or better
9	Colourfastness - To Perspiration	Acid:	Gray Scale 4 or better
		Alkaline:	Gray Scale 4 or better
10	Colourfastness - To Laundering	Gray Scale 3.5 or better	

**APPENDIX A****Sealed Pattern Identifier**

Pattern #: G.S. 1045-368 Soft Body Armour, Carrier, External, Female Panels  
 Title: Stock # 8078 Soft Body Armour, Carrier, External, Female Panels

Patterns - Patterns are available from the RCMP, Uniform and Equipment Program. Firms requested to produce Pre-Award Samples will be provided with the requested size 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.

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. Manufacturers are required to make changes to the pattern if necessary in order to meet the scale of measurements 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 and/or deleted upon completion of the contract.

Pattern Pieces - The design has 29 pattern components.

**Material and Cutting Legend**

Shell Material	= Para. 4.1.1
Lining Material	= Para. 4.1.2
Fusing	= Para. 4.1.10
Neoprene	= Para. 4.1.9
Cut 1 Single	= Cut 1
Cut 1 Paired	= Cut 2
Cut 2 Paired	= Cut 4

<b>Pattern Components</b>	<b>Nomenclature</b>	<b>Quantity to be cut</b>	<b>Material</b>
# 1 of 29	Back	1 Single	Shell Material
# 2 of 29	Lower Back	1 Single	Shell Material
# 3 of 29	Centre Front	1 Single	Shell Material
# 4 of 29	Side Front	1 Paired	Shell Material

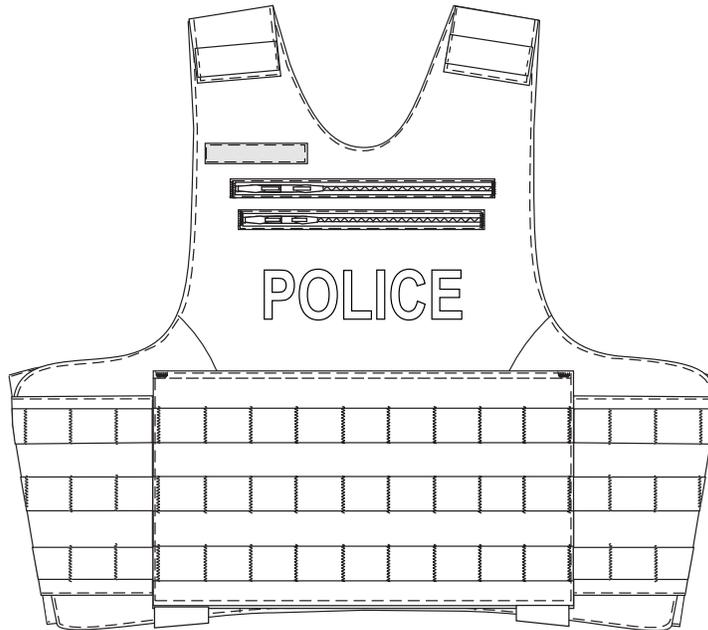
<b>Pattern Components</b>	<b>Nomenclature</b>	<b>Quantity to be cut</b>	<b>Material</b>
# 5 of 29	Front Flap	1 Single	Shell Material
# 6 of 29	Upper Pocket Welt	1 Single	Shell Material
# 7 of 29	Lower Pocket Welt	1 Single	Shell Material
# 8 of 29	Pocket Upper Front	1 Single	Shell Material
# 9 of 29	Pocket Notebook	1 Single	Shell Material
# 10 of 29	Pocket Upper Front Facing	1 Single	Shell Material
# 11 of 29	Lower Pocket	1 Single	Shell Material
# 12 of 29	Pen/Pencil Loop	1 Single	Shell Material
# 13 of 29	Back Lower Facing	1 Single	Shell Material
# 14 of 29	Back Upper Facing	1 Single	Shell Material
# 15 of 29	Front Lower Facing	1 Single	Shell Material
# 16 of 29	Centre Front Upper Facing	1 Single	Shell Material
# 17 of 29	Side Front Upper Facing	1 Paired	Shell Material
# 18 of 29	Zip Ends	2 Paired	Shell Material
# 19 of 29	Back Upper Lining	1 Single	Lining Material
# 20 of 29	Front Upper Lining	1 Single	Lining Material
# 21 (a) of 29	Side Elastic Cummerbund	1 Paired	Elastic (7.6 cm – 3")
# 21 (b) of 29	Side Elastic Cummerbund	1 Paired	Elastic (10.2 cm – 4")
# 21 (c) of 29	Side Elastic Cummerbund	1 Paired	Elastic (12.7 cm – 5")
# 21 (d) of 29	Side Elastic Cummerbund	1 Paired	Elastic (15.2 cm – 6")
# 22 (a) of 29	Cummerbund Extension Grip (7.6 cm – 3")	1 Single	Shell Material
# 22 (b) of 29	Cummerbund Extension Grip (10.2 cm – 4")	1 Single	Shell Material
# 22 (c) of 29	Cummerbund Extension Grip (12.7 cm – 5")	1 Single	Shell Material

<b>Pattern Components</b>	<b>Nomenclature</b>	<b>Quantity to be cut</b>	<b>Material</b>
# 22 (d) of 29	Cummerbund Extension Grip (15.2 cm – 6’’)	1 Single	Shell Material
# 23 of 29	Side Waist Strap with Loop Template	1 Paired	Shell Material
# 24 of 29	Side Waist Strap with Hook Template	1 Paired	Shell Material
# 25 of 29	Side Waist Strap Reinforcement - Fusing	1 Paired	Fusing
# 26 of 29	Front Flap Reinforcement - Fusing	1 Single	Fusing
# 27 (a) of 29	Centre Back Waist Strap	1 Paired	Elastic (10.2 cm – 4’’)
# 27 (b) of 29	Centre Back Waist Strap	1 Paired	Elastic (12.7 cm – 5’’)
# 27 (c) of 29	Centre Back Waist Strap	1 Paired	Elastic (15.2 cm – 6’’)
# 27 (d) of 29	Centre Back Waist Strap	1 Paired	Elastic (17.8 cm – 7’’)
# 28 of 29	Shoulder Padding	2 Paired	Neoprene
# 29 of 29	Shoulder Padding - Cover	2 Paired	Nylon Lining

# Drawing 1

G.S. 1045 - 368

Soft Body Armour, Carrier, External, Female Panels



**Front View**



**Back View**

NOT TO SCALE

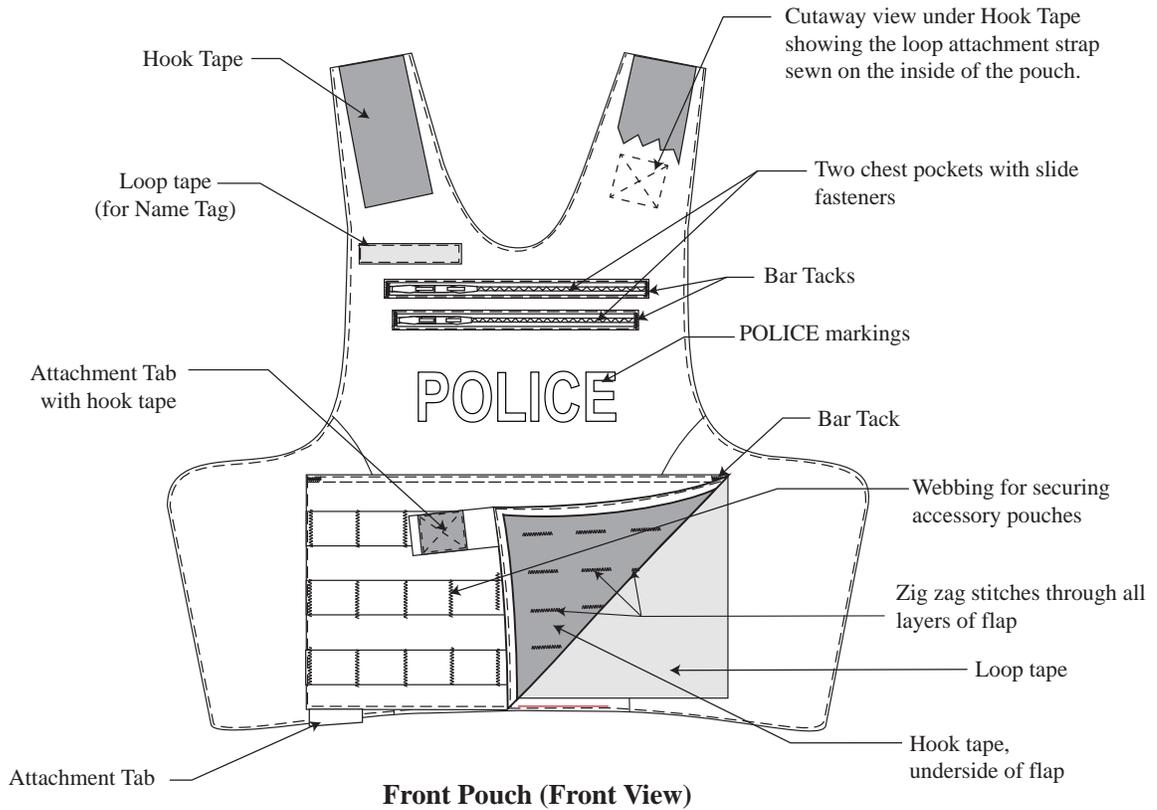
All measurements are shown in centimeters.

± 0.5 cm tolerance acceptable unless otherwise indicated.

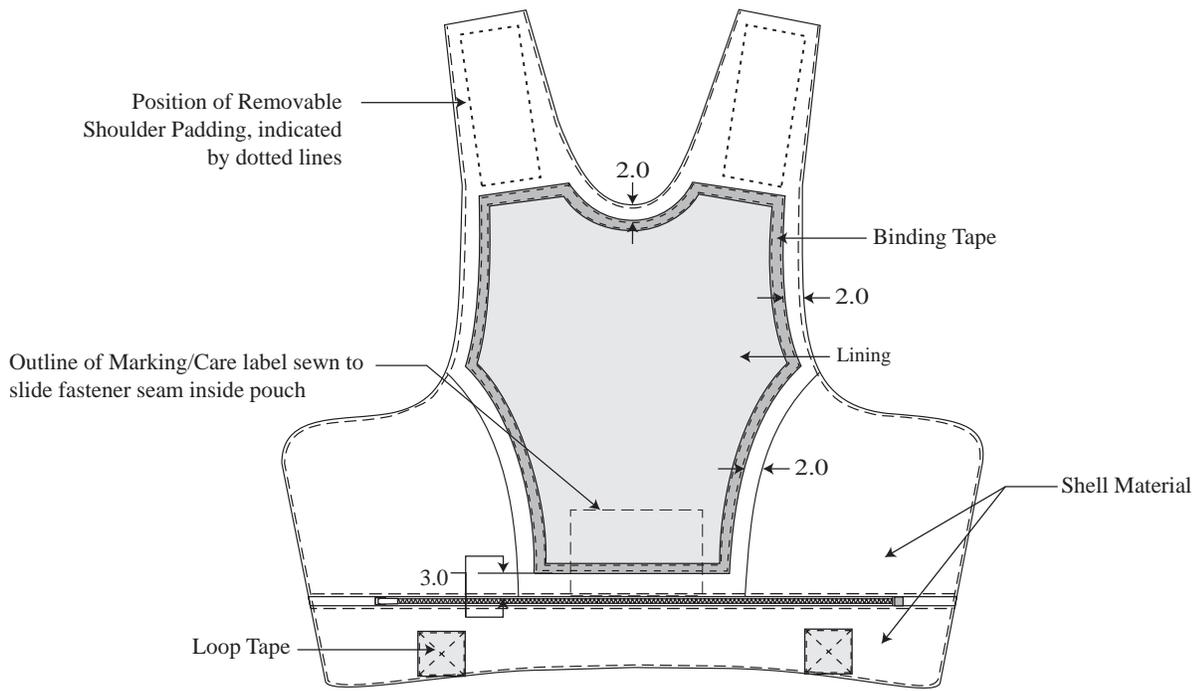
# Drawing 2

G.S. 1045 - 368

## Soft Body Armour, Carrier, External, Female Panels Front Pouch



**Front Pouch (Front View)**



**Front Pouch (Back View)  
(Body Side)**

NOT TO SCALE

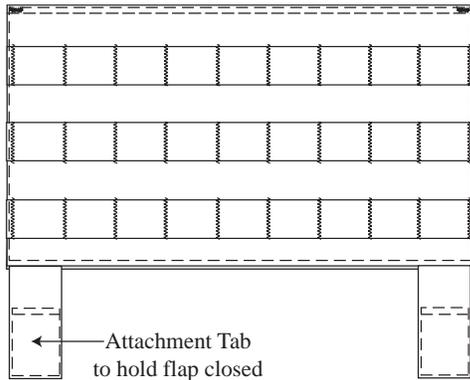
All measurements are shown in centimeters.

± 0.5 cm tolerance acceptable unless otherwise indicated.

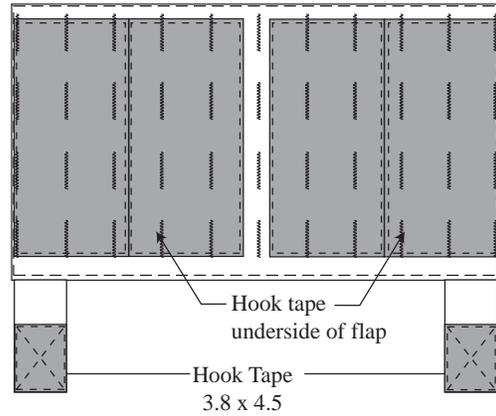
# Drawing 3

G.S. 1045-368

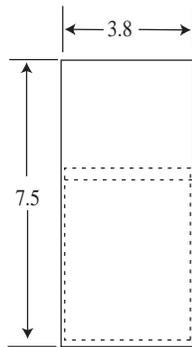
## Soft Body Armour, Carrier, External, Female Panels Flap and Attachment Tab



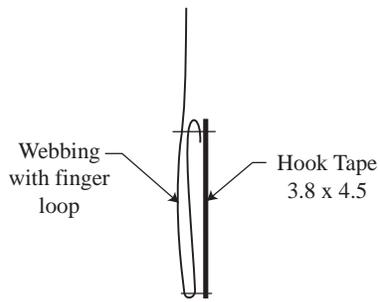
**Front Flap (Front View)**



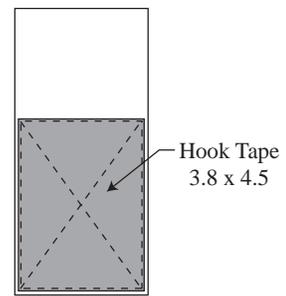
**Front Flap (Back View)**



**Front View**



**Side View**



**Back View**

**Attachment Tab Detail**

NOT TO SCALE

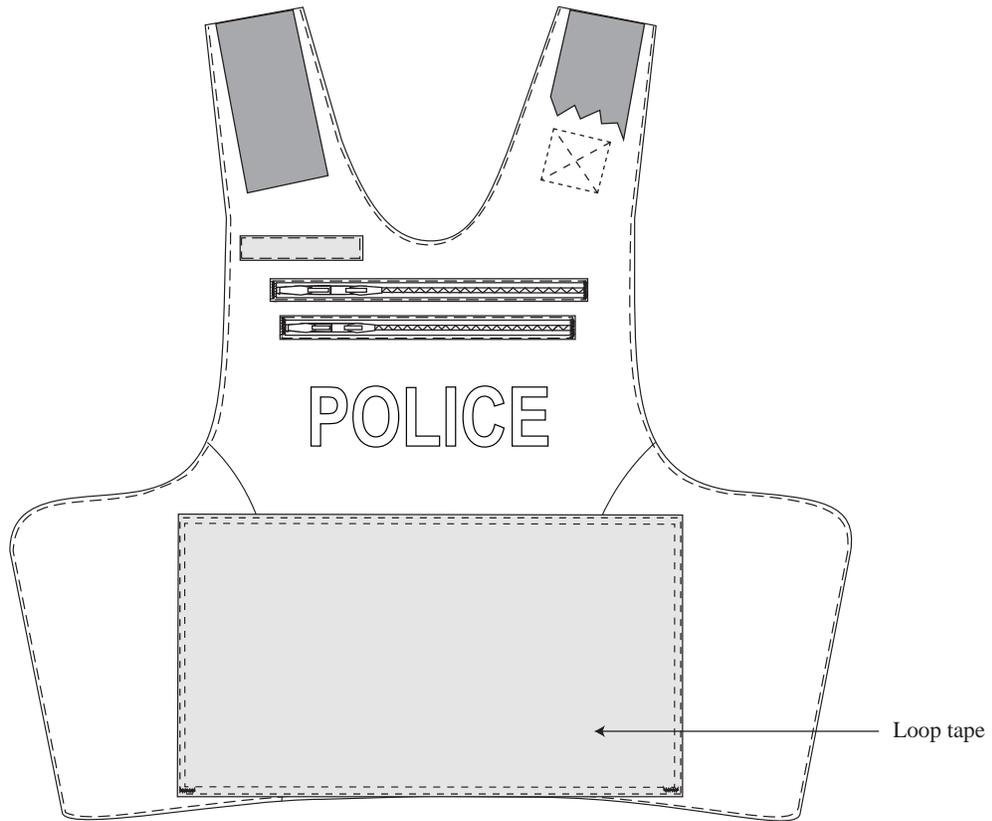
All measurements are shown in centimeters.

± 0.2 cm tolerance acceptable unless otherwise indicated.

# Drawing 4

G.S. 1045-368

## Soft Body Armour, Carrier, External, Female Panels Front Pouch



**Front Pouch (shown without flap)**

NOT TO SCALE

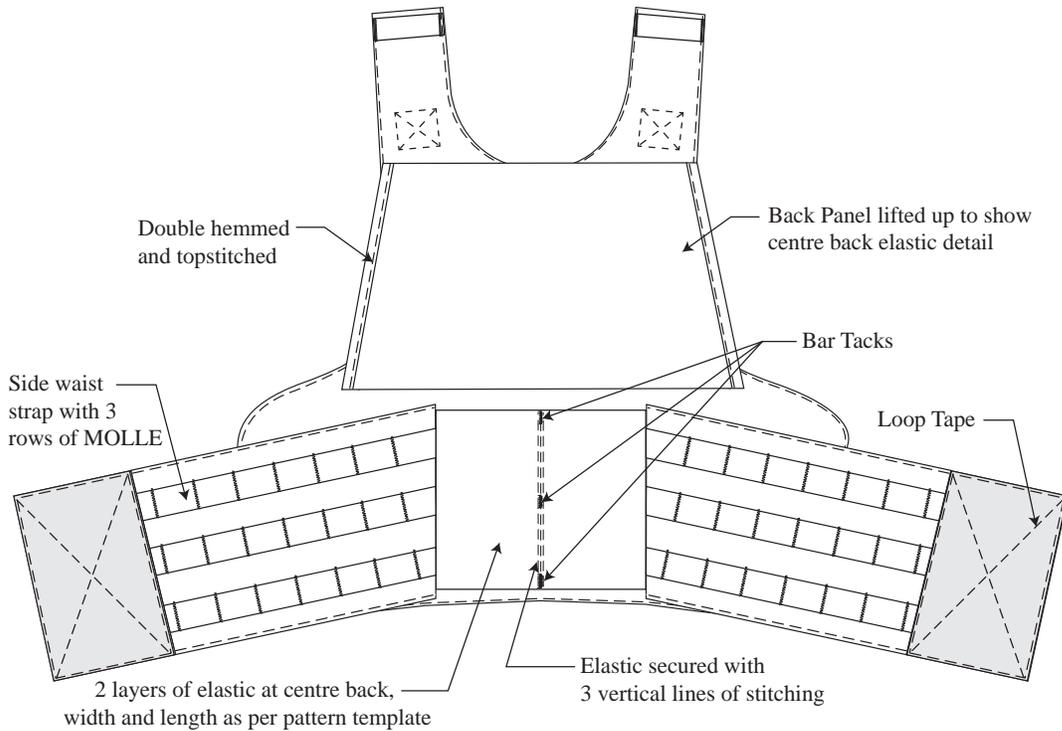
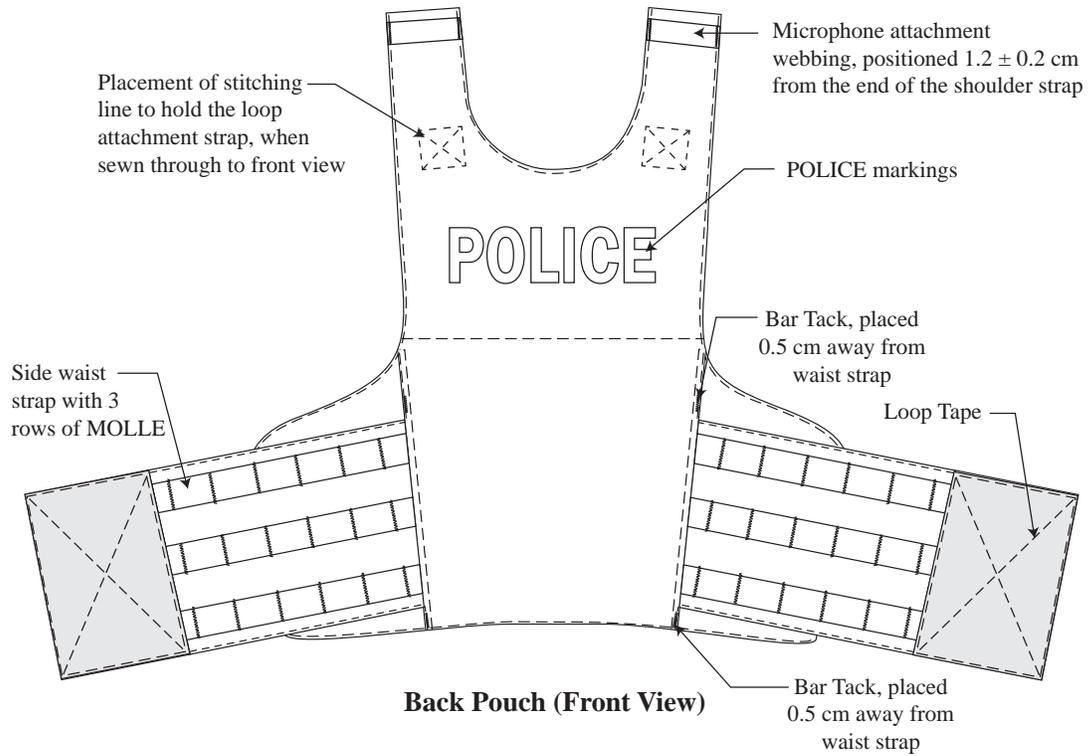
All measurements are shown in centimeters.

± 0.5 cm tolerance acceptable unless otherwise indicated.

# Drawing 5

G.S. 1045 - 368

## Soft Body Armour, Carrier, External, Female Panels Back Pouch



NOT TO SCALE

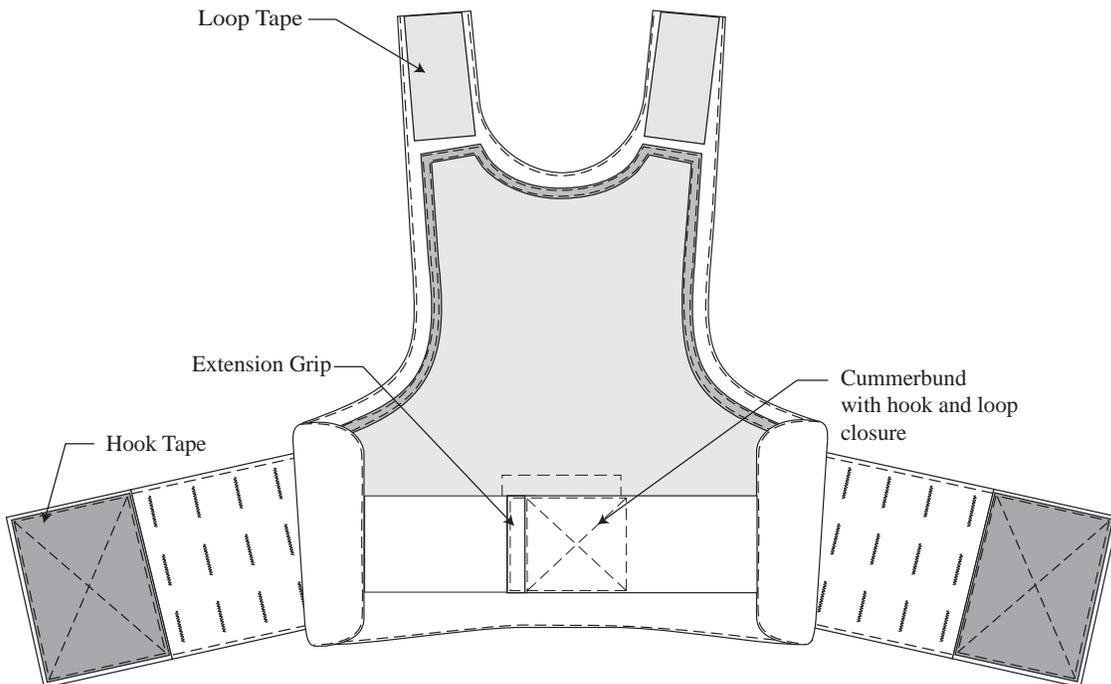
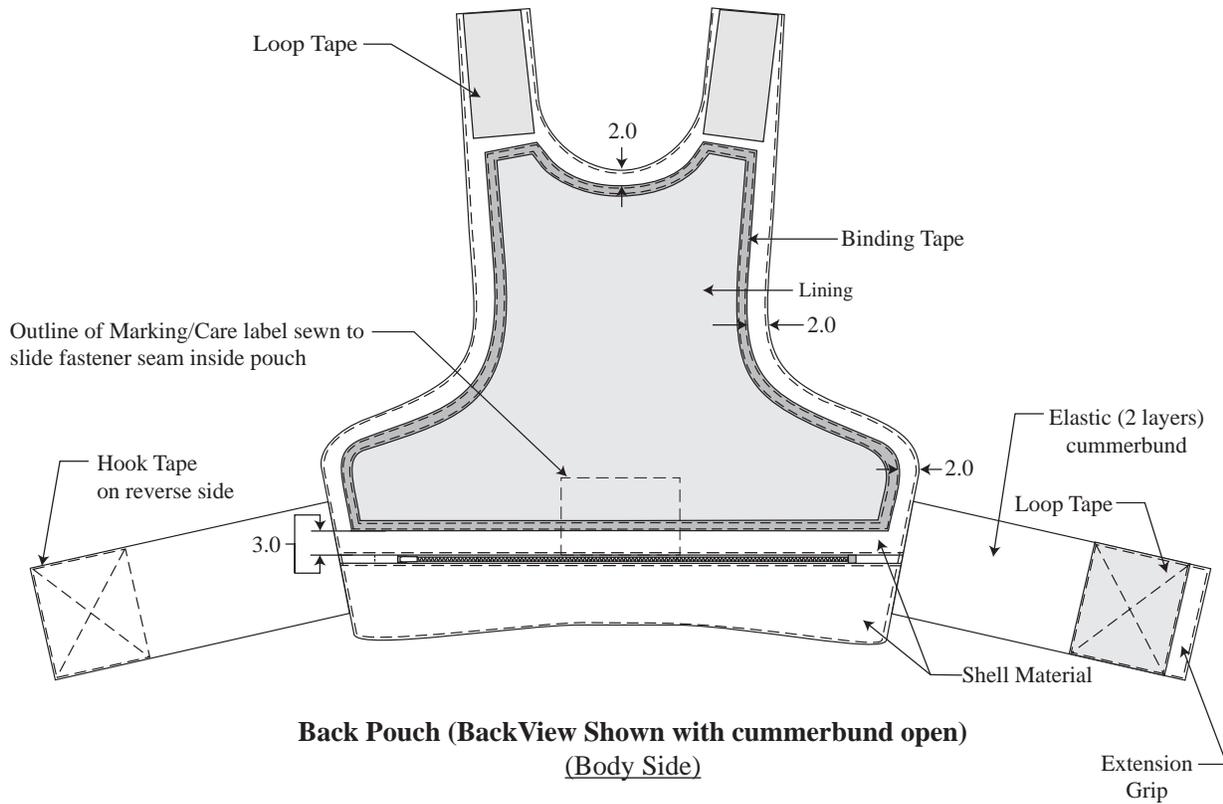
All measurements are shown in centimeters.

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

# Drawing 6

G.S. 1045-368

## Soft Body Armour, Carrier, External, Female Panels Back Pouch, Cummerbund detail



NOT TO SCALE

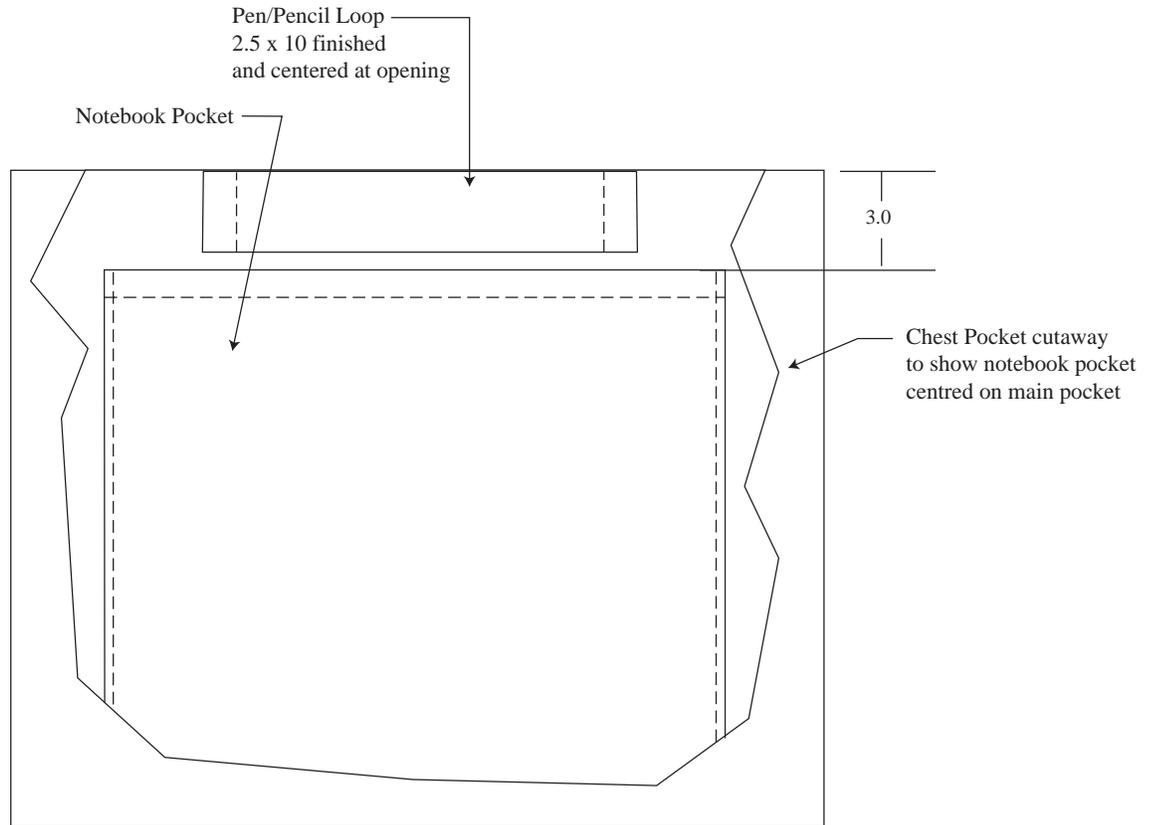
All measurements are shown in centimeters.

± 0.5 cm tolerance acceptable unless otherwise indicated.

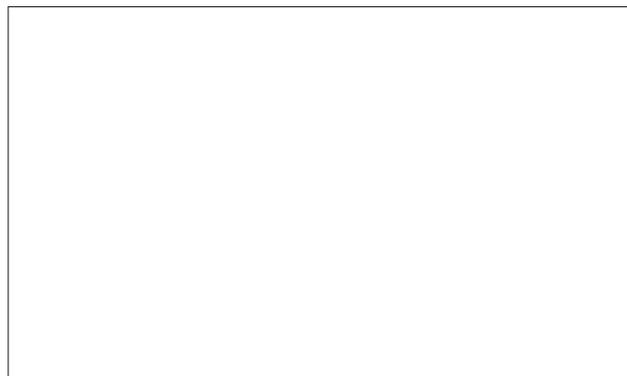
# Drawing 7

G.S. 1045-368

Soft Body Armour, Carrier, External, Female Panels  
Chest Pockets Detail  
(Welted Opening with Slide Fastener Closure not shown)



**Upper Chest Pocket Bag and Inside Notebook Pocket**



**Lower Chest Pocket Bag**

NOT TO SCALE

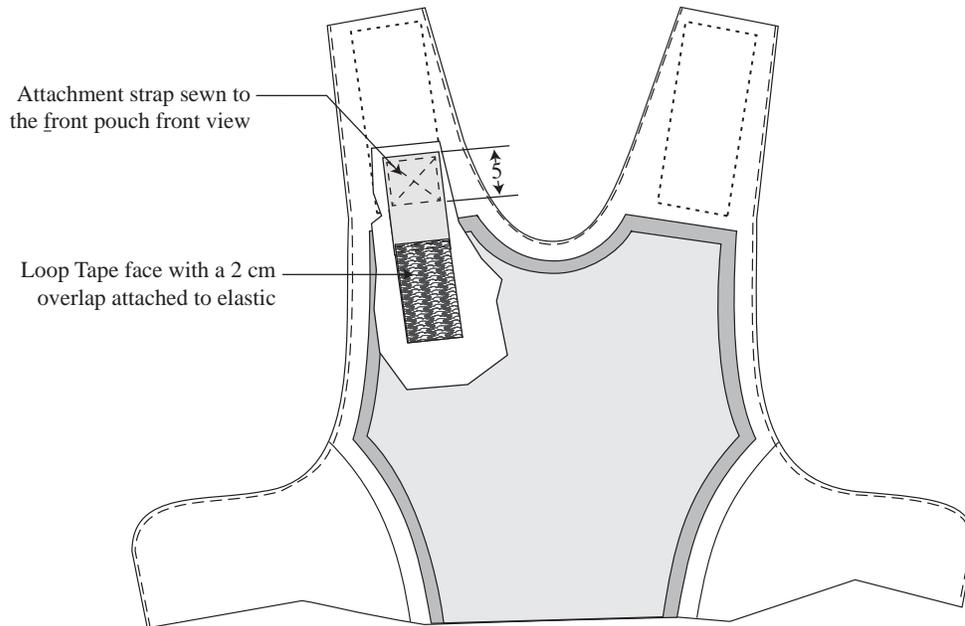
All measurements are shown in centimeters.

± 0.5 cm tolerance acceptable unless otherwise indicated.

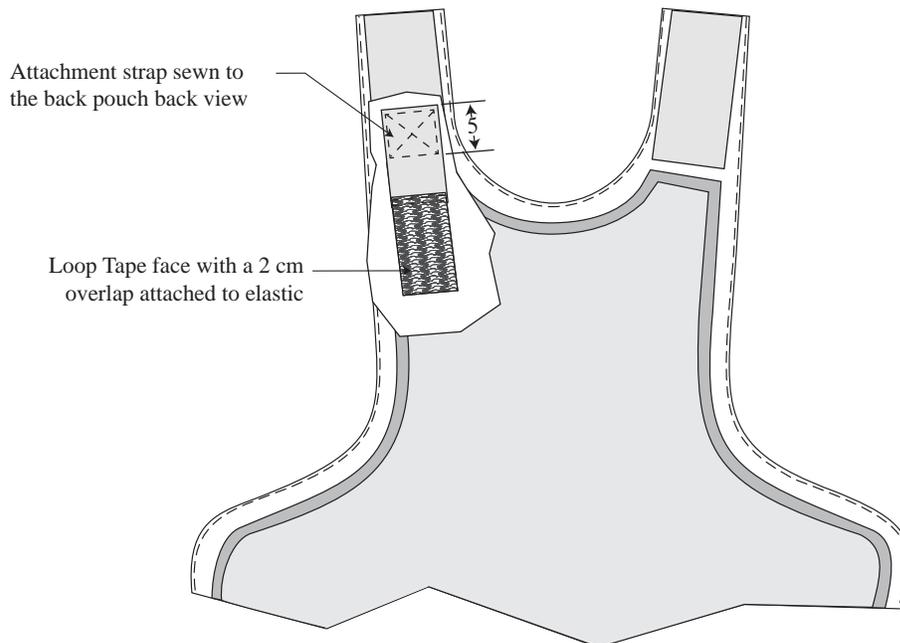
# Drawing 8

G.S. 1045 - 368

Soft Body Armour, Carrier, External, Female Panels  
Cutaway View, Front and Back Pouches, showing  
Attachment Strap



**Front Pouch Detail**  
Back View (Body Side)



**Back Pouch Detail**  
Back View (Body Side)

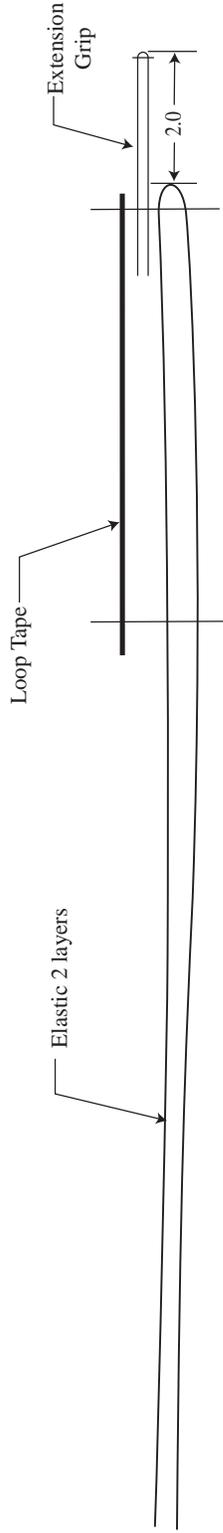
NOT TO SCALE

All measurements are shown in centimeters.

± 0.2 cm tolerance acceptable unless otherwise indicated.

# Drawing 9

Soft Body Armour, Carrier, External, Female Panels  
Left Cummerbund Detail

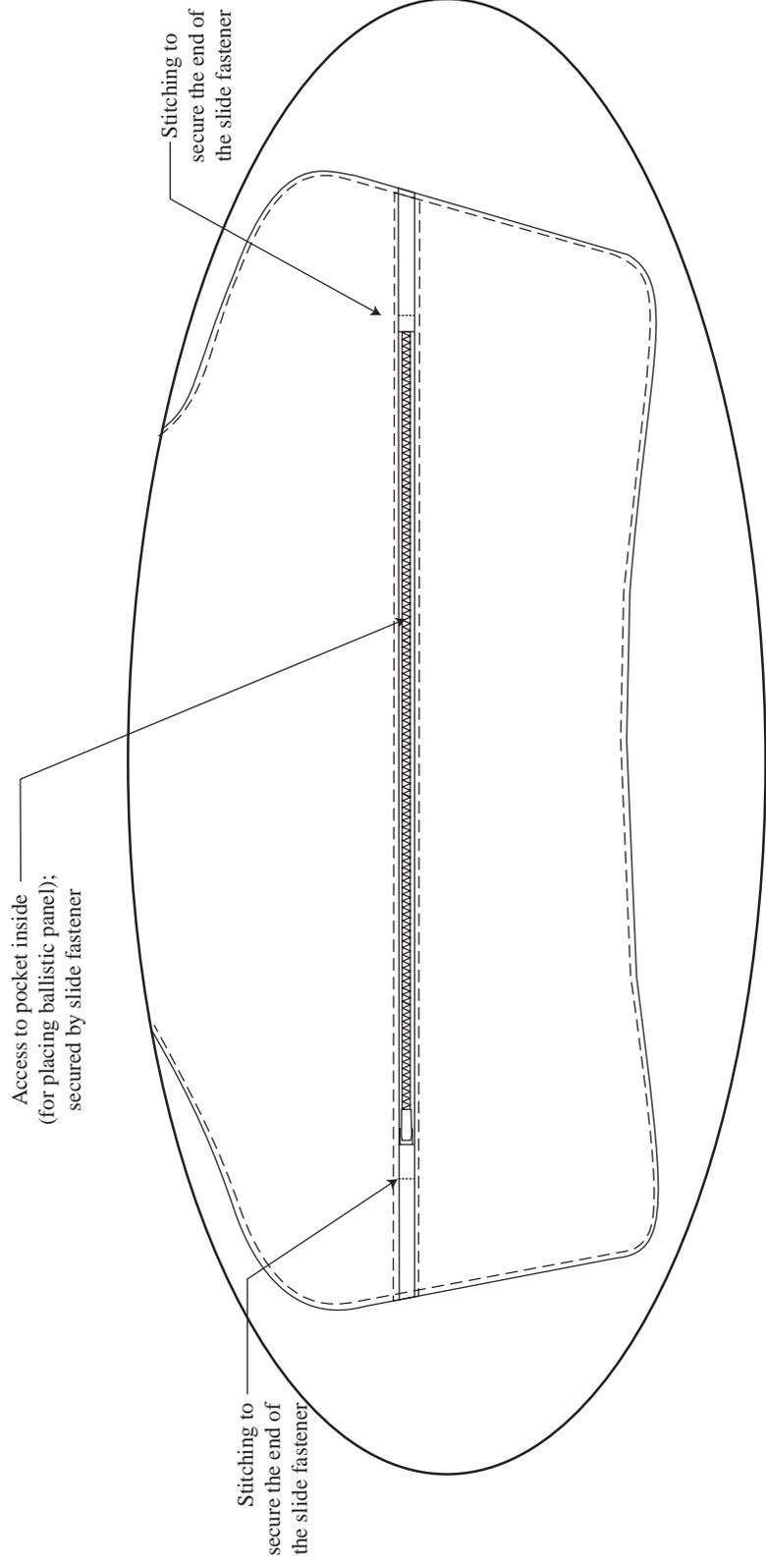


Left Cummerbund Side View

NOT TO SCALE  
All measurements are shown in centimeters.  
± 0.5 cm tolerance acceptable unless otherwise indicated.

# Drawing 10

Soft Body Armour, Carrier, External, Female Panels  
Slide Fastener Opening, Inner Carrier



Access to pocket inside  
(for placing ballistic panel);  
secured by slide fastener

Stitching to  
secure the end of  
the slide fastener

Stitching to  
secure the end of  
the slide fastener

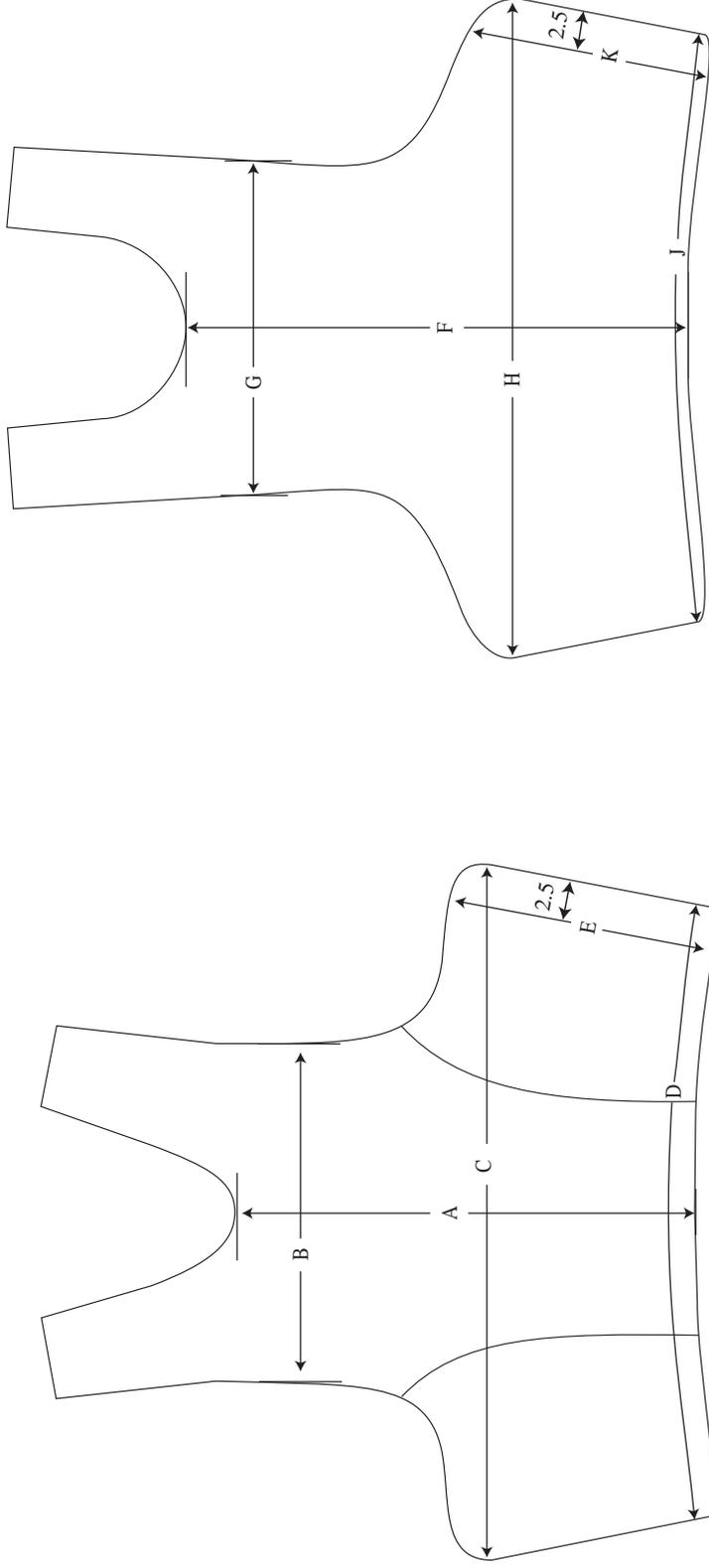
**Inner View**  
(Body Side)

NOT TO SCALE  
All measurements are shown in centimeters.  
± 0.5 cm tolerance acceptable unless otherwise indicated.

# Drawing 11

G.S. 1045-368

Soft Body Armour, Carrier, External, Female Panels  
Measurement Location



**Front Pouch, body side**

**Back Pouch, body side**

(shown without cummerbund or waist straps)

NOT TO SCALE  
All measurements are shown in centimeters.  
± 0.5 cm tolerance acceptable unless otherwise indicated.

360 SBA, Carrier, External





360-368 SBA, Carrier, External - Back, Body Side



360-368 SBA, Carrier, External - Lining, Shell Material



360-368 SBA, Carrier, External - Interior Attachment Strap



360-368 SBA, Carrier, External - Side Waist Strap

