

PART E

SPECIFICATIONS

PART E - SPECIFICATIONS

GENERAL

E1. GENERAL

- E1.1 These Specifications shall apply to the Work.
- E1.2 The materials and products governed by the specification shall be free from imperfections or blemishes that may effect its appearance or serviceability.

E2. GOODS

- E2.1 The Contractor shall supply cargo pants in accordance with the requirements hereinafter specified.
- E2.2 The following Canadian General Standards Board (CGSB) publications are applicable to this specification and shall be the most current issues in effect on the date of Invitation to Tender, unless otherwise specified:

- CAN/CGSB-4.131-93 Thread, cotton or polyester-covered
- CAN/CGSB-54.1-M90 part 1/ISO 4915:1981, Stitch Types
- CAN/CGSB-54.1-M90 part 2/ISO 4916:1982, Seam Types
- CAN/CGSB-86.1-M91 Care and Labelling of Textiles
- CAN/CGSB-4-GP-142 B Cloth, Polyester/Cotton Poplin

- (a) Standards can be ordered by contacting:
Canadian General Standard Board Sales Centre
Ottawa, Ontario
K1A 1G6
Tel: (819) 956-0425
(800) 665-CGSB (Canada Only)
FAX: (819) 956-5644

E3. MATERIAL AND COLOUR

- E3.1 Police Issue Cargo Pants shall be manufactured from cloth made by Gayley & Lord Style No. 5454-82, pre-shrunk 65/35 poly/cotton, sewn with poly/cotton thread, midnight blue in colour.
- E3.2 All shell components of the pants shall be from the same piece of shell material.
- E3.3 All shell components shall be assembled so that when the garment is worn, the warp shall be vertical with the fabric weave lines running in the same direction for all components of the garment, except for the waistband, and the facings and jettings of the pockets, where the warp may be horizontal.
- E3.4 All shell components of each pair of pants shall be marked during production to ensure a uniform shade and proper assembly throughout. There shall be no discernible difference in shade between shell components of the finished garment.
- E3.5 All waistbands shall be lined a minimum of two (2") inches of Ultra-flex waistband lining, silicone shirt grip. All Pants shall have a button down tab inside the waistband to lessen tension on the zipper. This shall be manufactured of the same piece of material as the fly curtain.
- E3.6 All pockets on pants shall be made of a good strong poly/cotton material, midnight blue in colour, similar to that of the shell material.

E3.7 Red stripes on all Police Issue Cargo Pants shall be made of Dominion Cord No. 398-RED. It shall be washable and shall not shrink, relative to the shell material.

E4. STYLE AND DESIGN

E4.1 All pants shall have two slash pockets that shall be six (6) inches deep from the lower point of the opening.

E4.2 The two hip pockets shall be seven (7) inches deep.

E4.3 All seat seams shall be double seamed.

E4.4 All pants must be strongly stayed at pockets and crotch.

E4.5 All pants shall have no less than five (5) belt loops that measure two (2") inches deep by no more than one (1") inch in width, sewn into top and bottom of waistband.

E4.6 All pants shall have a button down tab inside the waistband to lessen tension on the zipper. This shall be manufactured of the same piece of material as the fly curtain.

E4.7 All pants must have a label denoting washing instructions, size and date of manufacture, composition. See E14.

E4.8 All Cargo Pant Pockets shall be assembled so that when the garment is worn, the warp shall be vertical with the fabric weave lines running in the same direction for all components of the garment. (See Specification E3.6).

E4.9 All pants unless otherwise specified, shall have forty-eight (48) inch unfinished outseam.

E4.10 All made to measure pants shall have finished plain leg bottoms and heel tapes.

E4.11 Sizing to be as per Sizing Charts listed in E12 and E13.

E4.12 Cargo pockets will be bellowed with flap to Velcro closure sewn down in front.

E5. ZIPPERS

E5.1 All zippers shall be first quality French Fly with #5 vision zipper. Reverse fly for female pants.

E6. STRIPES

E6.1 Red stripes, as specified in E3.7, shall extend from the bottom of the waist band, throughout the full length of the outside legs, including the outside of the Cargo Pant Pocket and cargo pant pocket flap. They shall be stitched immediately behind the slash pockets. Stripes shall be applied to the out seam from waistband down and to include the cargo pocket.

E6.2 Stripes shall be a full one inch (1") wide when stitched down.

E6.3 Stripes shall be stitched 1.5 mm gauge and may be applied with either a single or multi-needle machine, whichever will accommodate the allowable +/- 1mm tolerance in width.

E7. THREAD

E7.1 All thread colour must match the shell material:

E7.2 Seams - polyester/cotton, size 75

- E7.3 Serging cotton 60/3 ply or 70/3 ply or equivalent
- E7.4 Button holes - cotton 50/3 ply mercerized or polyester (continuous multifilament) size 70 (3/125) needle and looper type 1 or type 3 (4 GP97).

E8. PACKAGING

- E8.1 Each container shall have only one size and style of garment enclosed and contain not more than twenty five (25) pairs of pants.
- E8.2 Each container shall be clearly marked as to the style, size and exact quantity of contents.

E9. SIZES

- E9.1 A list of sizes pursuant to Form B, Prices (Unit Price), will be furnished to the Contractor after award of Contract.

E10. INSPECTION AND ACCEPTANCE

- E10.1 Final inspection (by sample) and acceptance shall be made at final delivery, however, all materials and workmanship shall be subject to inspection at any time. The right is reserved to reject garments (shirts or pants) that are, in the opinion of the Contract Administer, to be incomplete, or contain defective materials and/or workmanship. Rejected garments shall be returned to the Contractor, at his expense, immediately after notification of rejection.

E11. DELIVERY

- E11.1 Goods shall be delivered on an "as required" basis during the term of the Contract, f.o.b. destination, freight prepaid, to various locations within the City.
 - E11.1.1 Goods shall be delivered within sixty (60) Business Days of the placing of an order, except where otherwise agreed at the time of ordering.
- E11.2 Goods shall be delivered between 8:30 a.m. and 4:30 p.m. on Business Days.
- E11.3 The Contractor shall off-load goods as directed at the delivery location.

E12. SIZING CHART MALE

<u>WAIST</u>	<u>RISE</u>	<u>SEAT</u>	<u>KNEE</u>	<u>BOTTOM</u>
26"	11"	35"	18"	16 ¾"
28"	11 ¼"	37"	18 ½"	17"
30"	11 ½"	39"	19"	17 ¼"
32"	11 ¾"	41"	19 ½"	17 ½"
34"	12"	43"	20"	17 ¾"
36"	12 ¼"	45"	20 ½"	18"
38"	12 ½"	47"	21"	18 ¼"
40"	12 ¾"	49"	21 ½"	18 ½"
42"	13"	51"	22"	18 ¾"
44"	13 ¼"	53"	22 ½"	19"
46"	13 ½"	55"	23"	19 ¼"
48"	13 ¾"	57"	23 ½"	19 ½"

Tolerances:

+/- ½"	+/- ½"	+/- ½"	+/- ½"	+/- ¼"
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All sizes listed above are listed in inches unless otherwise stated. Unfinished at 37" inseam. *measured 16 ½" down from crotch inseam.

E13. SIZING CHART FEMALE

<u>SIZE</u>	<u>WAIST</u>	<u>RISE</u>	<u>SEAT</u>	<u>KNEE</u>	<u>BOTTOM</u>
6	26"	11 ½"	40"	18 ½"	17 ½"
8	27"	12"	41"	19"	18"
10	28"	12 ½"	42 ½"	19 ½"	18"
12	29 ½"	13"	44"	20"	18 ½"
14	31"	13 ½"	45 ½"	20 ½"	18 ½"
16	33"	14"	47 ½"	22"	19"
18	35"	14 ½"	49 ½"	22"	19"
20	37"	15"	51 ½"	23"	19 ½"

Tolerances:

+/- ½"	+/- 1"	+/- 1"	+/- 1"	+/- ¼"
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All sizes listed above are listed in inches unless otherwise stated. Unfinished at 37" inseam. *measured 16 ½" down from crotch inseam.

E14. LABEL REQUIREMENTS

(cleaning instruction drawings)	65% POLYESTER 35% COTTON
SIZE/TAILLE DATE 40 01/01/05	