

PART E
SPECIFICATIONS

PART E - SPECIFICATIONS

GENERAL

E1. GENERAL

E1.1 These Specifications shall apply to the Work.

E2. GOODS

E2.1 The Contractor shall supply patrol jacket(s) and parka(s) in accordance with the requirements hereinafter specified.

E2.2 Item No. 1 – Patrol Jacket(s) shall be:

E2.3 Materials

- (a) outer shell: 65% polyester/35% cotton, 200 grams per sq. metre, water repellent twill Dark Navy Blue Colour, shade #9150-601 (Bahama Material or equal);
- (b) pocketing: Heavy-duty polyester / cotton twill, weight 7 oz./sq. metre, navy blue colour;
- (c) lining: Outer Jacket Lining, Zip-out Liner (both sides): 100% cotton, mercerized, 1% residual shrinkage;
- (d) insulation in Zip-out Liner: 3M THINSULATE - CDS 150 in body
- CDS 100 in sleeve
- (e) knitted Cuffs: Bi-component 2 x 1 knit 0 340 gm per sq yd.

E2.4 Design

- (a) cut, colour, style and trim shall match the sample at Winnipeg Police Service Quartermaster Stores Unit;
- (b) shoulder Flashes shall be supplied by the Winnipeg Police Service;
- (c) all stitching shall be lockstitch or lock chain with a minimum of three and a maximum of four stitches per;
- (d) centimetre. The beginning and ending of all stitching shall be securely backstitch tacked unless secured by other stitching;
- (e) stitching shall be regular without puckering;
- (f) button holes shall be cut after, eyelet type, gimp reinforced, with not less than 11 stitches per centimetre;
- (g) buttons shall be supplied by the Winnipeg Police Service.

E2.5 Pockets

- (a) two breast pockets, bag type, single point flap (measurements: 2 1/2" at center tapering to 2 1/4" at corners, 6 inches wide) with velcro closure;
- (b) corner of breast pocket to be no less than 1" from shoulder seam;
- (c) trim button to measure 6" wide, 8" deep at opening;
- (d) left breast pocket sized to accommodate portable transceiver,(approx. 10" L x 3"W x 1"D), Velcro keeper;
- (h) installed on inside of pocket to be 10" long;

- (i) right breast patch pocket on inside of outer jacket to measure 7" wide, 8 1/2" deep at left edge tapering to 7" deep at right edge (nearest point to zipper);
- (j) left breast patch pocket on zip-out lining to measure 7" wide, 8 1/2" deep at left edge tapering to 7" deep at right edge (nearest to zipper);
- (k) two lower pockets, angled, bag type, welted, 6 1/2" wide at opening.

E2.6 Epaulets

- (a) must accommodate rank sleeves, 2 1/4" at sleeve, tapered to 1 3/4" at top, to be six inches long. To be made of outer shell material as per E2.3(a).

E2.7 Side Zippers

- (a) suppression tabs with two adjustable snap fasteners will cover zippers 1 1/4" from base;
- (b) suppression tabs are to be made of outer shell material as per E2.3(a). Tabs to measure 2" wide by 4" long.

E2.8 Zip Out Lining

- (a) snap fastener at cuff to hold lining to sleeve;
- (b) 100% cotton outer shell - both sides;
- (c) 3" knitted cuffs on sleeves;
- (d) 3M Thinsulate CDS 150 insulation throughout the body and 3M Thinsulate CDS 100 insulation throughout the sleeves;
- (e) finished 5" indentation to accommodate side zippers of outer jacket.

E2.9 Miscellaneous

- (a) "True Action" type back with elastic retainer;
- (b) collar to be two-piece shirt style;
- (c) all jackets must come with two back-to-back side zippers, which are heavy duty, rustproof metal, with a length of ten (10) inches.

E2.10 Female Jackets

- (a) pocket sizing to measure 5" wide, 7" deep at opening. Corner of breast pocket to be no less than 1" from shoulder seam;
- (b) darts to be inserted between shoulder to center of breast pockets.

E2.11 Marking

- (a) each coat shall have a durable label positioned in the centre interior of the jacket 5 cm below collar with the following information;
 - (i) manufacturer's Identification
 - (ii) nomenclature
 - (iii) date of manufacture
 - (iv) name (of member)
 - (v) size code designation
 - (vi) The City of Winnipeg will not accept any advertising logos (embroidered, tags or otherwise) on supplied garments. Label tags on the inside base of neck is deemed acceptable. See Schedule 1.

E2.12 Sizing

- (a) The Winnipeg Police Parka shall be sized to conform to the scale of measurements provided by the Winnipeg Police Service. The scale of measurements shall become part of the contract. See Schedule 2;
- (b) female sized parkas will be adjusted accordingly for sizing and zipper length.

E2.13 Item No. 2 - Parka(s) shall be:

E2.14 Materials

- (a) outer Shell: 65% polyester/35% cotton, 200 grams per sq. metre, water repellent twill Dark Navy Blue Colour, Shade #9150-601 (Bahama Material or equal);
- (b) insulation: shall be 3M THINSULATE; CDS 300 in the body; CDS 200 in the sleeves;
- (c) lining: upper body and sleeve - 100% cotton, mercerized, 1% residual shrinkage;
- (d) lining: lower body - 100% nylon, 200 Denier or equivalent, plain weave P.U. coated;
- (e) pocketing: heavy duty polyester / cotton twill, weight 7 oz./sq. metre, navy blue colour;
- (f) collar: 24 oz. wool blend Melton, navy blue colour;
- (g) storm cuff, neck protector, and action back: bi-component 2 x 1 knit 340 gm per sq. metre;
- (h) zippers: heavy duty rust proof, metal;
 - (i) front zipper - #10, two way (male/reg 61 cm, female/reg 56 cm);
 - (ii) size zippers - #5, two slides back-to-back (male 40 cm, female 35 cm);
 - (iii) hood pocket zipper, medium weight nylon. #5 coil, (18 cm).

E2.15 Hood Draw Cord

- (a) shall be spun plaited (braided) cord, black in colour, breaking strength 775 Newtons nominal, 4mm diameter. All cut ends to be fixed to prevent fraying. Hood Draw Cords must have Draw String Locks to prevent cord from retracting into hood.

E2.16 Buttons

- (a) breast and Front Buttons to be 45 line slotted, Black in colour;
- (b) epaulet and Hood Buttons to be 30 line four-hole, Black in colour.

E2.17 Design

- (a) cut, colour, style and trim shall match the sample at Winnipeg Police Service Quartermaster Stores Unit;
- (b) shoulder flashes shall be supplied by the Winnipeg Police Service;
- (c) all stitching shall be lockstitch or lock chain with a minimum of three and a maximum of four stitches per centimetre. The beginning and ending of all stitching shall be securely backstitch tacked unless secured by other stitching;
- (d) stitching shall be regular without puckering;
- (e) button holes shall be cut after, eyelet type, gimp reinforced, with not less than 11 stitches per centimetre.

E2.18 Sleeves

- (a) shall be straight cut, with no cuffs, with 1.5 cm leather binding on bottom.

E2.19 Lower Bag Pockets

- (a) two pockets with single point flap (vertical measurements: 10cm at centre tapering to 7cm at corners/horizontal measurements: 23cm wide at top expanding to 24cm at bottom and Velcro closure;

- (b) pockets shall be 30 cm deep / 23 cm wide.

E2.20 Upper Chest Bag Pockets

- (a) two pockets with single point flap (vertical measurements: 7 cm at centre tapering to 5.5 cm / horizontal measurements: 14 cm expanding to 14.5 cm at bottom) and button closure;
 - (i) right pocket shall be 17.5 centimetres deep / 13.5 cm wide;
 - (ii) left pocket shall be 12.5 centimetres deep / 13.5 cm wide to accommodate portable transceiver. Velcro keeper installed on inside of pocket to be 12.5 centimetres long.

E2.21 Epaulets

- (a) must accommodate rank sleeves, 5.7 cm at sleeve, tapered to 4.4 cm at the top, to be 15.2 cm long. To be made of outer shell material as per E2.14(a). Button Closure as per E2.17(e).

E2.22 Melton Top Collar

- (a) twill under collar with storm tab and velcro closing.

E2.23 Hood

- (a) shall be made of one layer of outer shell material as per E2.3(a), attached to one layer of lower body liner as per E2.14(d);
- (b) hood will have a draw cord as per E2.15(a) and two adjustable button fasteners.

E2.24 Back

- (a) True Action Back with elastic retainer and knit expander inside on liner.

E2.25 Side Zippers

- (a) suppression tabs with two adjustable snap fasteners will cover zippers 4 cm from base. Suppression tabs are to be made of outer shell material as per E2.3(a). Tabs to measure 5 cm wide by 11 cm long.

E2.26 Interior Pocket

- (a) shall be made of upper lining cloth as per E2.14(c). Sewn to lining cloth only 18.5 cm wide by 19 cm high. Left chest only.

E2.27 Marking

- (a) each coat shall have a durable label positioned in the centre interior of the jacket 5 cm below collar with the following information;
 - (i) manufacturer's Identification
 - (ii) nomenclature
 - (iii) date of manufacture
 - (iv) name (of member)
 - (v) size code designation
 - (vi) The City of Winnipeg will not accept any advertising logos (embroidered, tags or otherwise) on supplied garments. Label tags on the inside base of neck is deemed acceptable. See Schedule 1.

E2.28 Sizing

- (a) The Winnipeg Police Parka shall be sized to conform to the scale of measurements provided by the Winnipeg Police Service. The scale of measurements shall become part of the contract. See Schedule 2;

(b) female sized parkas will be adjusted accordingly for sizing and zipper length.

E3. PRE-PRODUCTION SAMPLE

- E3.1 Sample of the outer material for both Parka and Patrol Jacket must be supplied to the Contract Administrator for approval of colour variation prior to production;
- E3.2 The Contractor shall provide, upon request of the Contract Administrator, a pre-production sample of the garments to be supplied under this contract for inspection and approval. All garments supplied thereafter shall be equal to or better than the approved pre-production sample with respect to all characteristics. The approval of the pre-production sample, by the Contract Administrator, authorizes the commencement of production, but shall not relieve the Contractor of the responsibility to comply with all provisions of this specification;
- E3.3 The pre-production sample submitted by the Contractor shall remain in the rightful possession of the City as a quality standard reference until the successful completion of the Contract;
- E3.4 Pre-production sample shall be received by the Contract Administrator within thirty (30) calendar days of a request.

E4. DELIVERY

- E4.1 Goods shall be delivered within sixty (60) Calendar Days of the award of Contract, f.o.b. destination, freight prepaid.
- E4.2 Goods shall be delivered between 8:30 a.m. and 4:30 p.m. on Business Days.
- E4.3 The Contractor shall off-load goods as directed at the delivery location.

example)

MANUFACTURER'S IDENTIFICATION
MANUFACTURER'S NAME

DATE: _____

NAME: _____

SIZE: 42R

MEASUREMENTS OF MEMBER:

- A - SIZE
- B - BREAST OVER SHIRT
- C - WAIST OVER SHIRT
- D - SLEEVE LENGTH OF PARKA

MEASUREMENTS OF GARMENT:

- E - BREAST EDGE ON EDGE
- F - LENGTH OF BACK FROM COLLAR SEAM FROM CENTRE OF NECK
- G - WIDTH OF BACK
- H - SHOULDER WIDTH
- I - LENGTH OF SLEEVE OVER SHOULDER
- J - SLEEVE CUFF WIDTH
- K - LENGTH OF SLIDE FASTENER

REGULAR SIZES: MEN'S HEIGHT 5' 8" to 5' 11" / FEMALE HEIGHT 5' 4" to 5' 7"

TALL: MEN'S HEIGHT 6' to 6' 2" / FEMALE HEIGHT 5' 8" to 5' 10"
ADD: BODY LENGTH + 1", SLEEVE LENGTH + 1", FASTENER + 1"

X-TALL: MEN'S HEIGHT 6' 3" to 6' 6" / FEMALE HEIGHT 5' 11" to 6' 2"
ADD: BODY LENGTH + 2", SLEEVE LENGTH + 2", FASTENER + 2"

A	B	C	D	E	F	G	H	I	J	K
8	34	N/A	29 1/2	44	32	16	5 1/8	32	11 3/4	22
10	35	N/A	30	45	32	16 1/2	5 1/4	32 1/2	12	22
12	36 1/2	N/A	30	46 1/2	32	17	5 3/8	33	12 1/4	22
14	38	N/A	30 1/2	48	32 1/4	17 1/2	5 1/2	33 1/2	12 1/2	22
16	40	N/A	30 1/2	50	32 1/4	18	5 5/8	34	12 3/4	22
18	42	N/A	31	52	32 1/2	18 1/2	5 3/4	34 1/2	13	22
20	44	N/A	31	54	32 1/2	19	5 7/8	35	13 1/4	22
34	34	30	31 1/2	49	34 3/4	18 1/2	6	35 1/2	11 1/4	24
36	36	32	32	51	35	19	6 1/4	35 3/4	11 1/2	24
38	38	34	32	53	35 1/4	19 1/2	6 1/4	36	11 3/4	24
40	40	36	32 1/2	55	35 1/2	20	6 1/2	36 1/2	12	24
42	42	38	32 1/2	57	35 3/4	20 1/2	6 1/2	37	12 1/4	24
44	44	40	33	59	36	21	6 3/4	37 1/4	12 1/2	24
46	46	42	33	61	36 1/4	21 1/2	6 3/4	37 3/4	12 3/4	24
48	48	44	33 1/2	63	36 1/2	22	7	38	13	24
50	50	46	33 1/2	65	36 3/4	22 1/2	7	38 1/2	13 1/4	24
52	52	48	34	67	37	23	7 1/4	39	13 1/2	24
54	54	50	34	69	37 1/4	23 1/2	7 1/4	39 1/4	13 3/4	24
+/-				1	1/2	1/2	1/4	1/2	1/2	1/2

SCHEDULE 2

PATROL JACKETS, MALE

GARMENT MEASUREMENTS

SIZE DESIGNATION	BODY MEASUREMENTS	CHEST CIRCUMFERENCE (cm)	BOTTOM CIRCUMFERENCE RELAXED (cm)	BOTTOM CIRCUMFERENCE STRETCHED (cm)	LENGTH OF BACK FROM COLLAR SEAM (cm)	WIDTH OF BACK AT SLEEVE SEAM (cm)	OVERARM FROM COLLAR SEAM, SIDE OF NECK OVER SHOULDER (cm)	UNDERARM (cm)	CUFF CIRCUMFERENCE (cm)
REGULAR 170-179 cm (5'7"-5'10")									
36R	92	117	90	113	67.5	45.5	80	48	24.5
38R	97	122	94	118	68	47	81	48	25
40R	102	127	98	123	68.5	48.5	82	48	25.5
42R	107	132	102	128	69	51	83	48	26
44R	112	137	106	133	69.5	52.5	84	48	26.5
46R	117	142	110	138	70	54	85	48	27
48R	122	147	114	143	70.5	55.5	86	48	27.5
50R	127	152	118	148	71	57	87	48	28
TALL 180-189 cm (5'11"-6'2")									
36T	92	117	90	113	72.5	45.5	84	52	24.5
38T	97	122	94	118	73	47	85	52	25
40T	102	127	98	123	73.5	48.5	86	52	25.5
42T	107	132	102	128	74	51	87	52	26
44T	112	137	106	133	74.5	52.5	88	52	26.5
46T	117	142	110	138	75	54	89	52	27
48T	122	147	114	143	75.5	55.5	90	52	27.5
50T	127	152	118	148	76	57	91	52	28
TOLERANCES, +/-		25mm	25mm	25mm	13mm	13mm	13mm	13mm	6mm

Note: ALL DIMENSIONS ARE IN CENTIMETRES UNLESS OTHERWISE INDICATED

SCHEDULE 2 (CONTINUED)

PATROL JACKETS, FEMALE

GARMENT MEASUREMENTS

SIZE DESIGNATION	BODY MEASUREMENTS	BUST CIRCUMFERENCE (cm)	BOTTOM CIRCUMFERENCE RELAXED (cm)	BOTTOM CIRCUMFERENCE STRETCHED (cm)	LENGTH OF BACK FROM COLLAR SEAM (cm)	WIDTH OF BACK AT SLEEVE SEAM (cm)	OVERARM FROM COLLAR SEAM, SIDE OF NECK OVER SHOULDER (cm)	UNDERARM (cm)	CUFF CIRCUMFERENCE (cm)
REGULAR 165-174cm (5'5"-5'8")									
8R	88	112	93	116	62	40.5	71	42	23
10R	91	114	95	119	62.5	41.75	72	42	23.5
12R	95	118	98	123	63	43	73	42	24
14R	99	122	101	127	63.5	44.25	74	42	24.5
16R	103	126	104	131	64	45.5	75	42	25
18R	108	131	108	136	64.5	46.75	76	42	25.5
20R	113	136	112	141	65	48	77	42	26
TALL 175-184 cm (5'9"-6')									
8T	88	112	93	116	65	40.5	74	45	23
10T	91	114	95	119	65.5	41.75	75	45	23.5
12T	95	118	98	123	66	43	76	45	24
14T	99	122	101	127	66.5	44.25	77	45	24.5
16T	103	126	104	131	67	45.5	78	45	25
18T	108	131	108	136	67.5	46.75	79	45	25.5
20T	113	136	112	141	68	48	80	45	26
TOLERANCES +/-		25mm	25mm	25mm	13mm	13mm	13mm	13mm	6mm

Note: ALL DIMENSIONS ARE IN CENTIMETRES UNLESS OTHERWISE INDICATED