

EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

1.0 **SEMI-AUTOMATIC HOLSTERS:**

1.1 GENERAL

The holster shall be a high performance border patrol style holster designed specifically for semiautomatic pistols. It will be mounted securely on a 2-1/4" wide Sam Browne type equipment belt loop. The design of the holster shall provide greater security than conventional pouch holsters, yet still allow a rapid draw by the wearer. Safariland model SSIII - 070 or equivalent.

1.2 PRODUCT DESCRIPTION

The border patrol style holster shall be of an open muzzle design to allow for proper drainage. The holster must maintain the weapon in a stable, yet tactically ready configuration. It must utilize a thumb break-hammer strap system to secure the weapon in addition to a rear sliding safety strap with middle finger release. A decoy strap must be visible opposite the rear sliding strap. An ejection port locking indentation must secure the weapon by engaging the ejection port of the semi-automatic weapon. This locking device must either be pressure molded into the holster or be constructed of such a material so as to not mar the finish of the weapon. No metal hardware shall come into contact with any part of the weapon.

1.3 CONSTRUCTION

The holster shall be constructed utilizing the lamination of engineered material, polyurethane and orthopedic grade suede leather. Stitching shall be of No. 207 and No. 277 nylon cord stitching. Case hardened nylon screws, Chicago post screws and T-nuts are to be used as fastening devices. TRW Company snaps (or equivalent) must be used. The exterior shall be free of blemishes, brands, scars and other defects that would render the material unsuitable for the use intended.

The holster body shall be heat and pressure molded to each specified gun model with a wraparound, no-welt construction. A front sight channel must be molded into the holster body. The belt shank must be heat and pressure molded for body curvature. The shank will be bolted onto the holster body with casehardened hardware. The holster shall be designed so that no hardware, springs, or snaps come in contact with the handgun.

1.4 EDGE FINISH

1.4.1 Wherever two (2) exposed edges of leather are bonded, such edges shall be trimmed to remove all sharp edges, forming a full round radius. The exposed round edges shall be sanded smooth, dyed, and burnished with a suitable edge sealer finish. The completed bonding of face and liner of the holster shall be performed in such a way that when it is completely assembled no noticeable seam, space, crack, or crevice shall appear.

1.4.2 The finished product should appear to be constructed of a single piece, thus assuring material and construction integrity during the useful life of the holster. The finish shall be smooth, nonfading, pure black in the case of high gloss Clarino finish holsters. Each holster shall be accompanied by the comprehensive "use" brochure describing its use and safety features to the consumer. The "use" brochure shall be adequately illustrated with appropriate instructions.

1.5 HARDWARE

All hardware shall be of corrosion-resistant material.

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1.0 SEMI-AUTOMATIC HOLSTERS (CONTINUED):

1.6 HOLSTER BOTTOM

Design with open bottom (open muzzle).

1.7 MODELS

Model numbers for specific calibers shall be supplied to the supplier at the time of order.

1.8 GUN MODELS

Sig P220, P226, P226 DAK, P228, P229
Glock 22, 23
Smith and Wesson M & P .40 cal
Barrels – 3.9"- 4.5"
Color - Black
Finish – STX high-gloss or equivalent.
Belt Slot – 2 1/4"

Model numbers for specific calibers shall be supplied to the supplier at the time of order.

1.9 DESIGN

STX high-gloss durable finish, modular design, self-locking system (SLS) rotating hood and automatic locking system (ALS).



Glock 6360-83-49
ALS Mid-Ride Level LL



Sig Sauer 6360-774-492
ALS Mid-Ride Level II

2.0 WOODEN BATON (MATERIAL #10045313):

The regulation baton for the Houston Police Department shall be made from high-density, close and straight grain, second growth hickory or oak. The baton shall weigh not less than 15 nor more than 18 ounces. It shall not be loaded or weighted in any manner. It shall be 26 inches in length. It shall be cylinder-turned to a diameter of 1-1/4 inches, with both ends rounded. It shall be smooth-sanded and stained black.

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2.0 WOODEN BATON (MATERIAL #10045313) (CONTINUED):



3.0 GROMMET (MATERIAL #10041714):

The grommet shall be a black neoprene rubber sleeve to be slipped over the baton and positioned 8 inches from one end. The inside diameter shall be 1 1/6 inches. The grommet's overall length shall be 1 5/8 inches. The outside diameter at the butt end shall be 1 9/16 inches, tapering evenly to 1 1/4 inches at the end nearest to the front end of the baton. Kirkhill Company Crutch Tip No. 21 (with end punched out) or comparable item may be used.



4.0 T-SHIRTS, SHORT SLEEVES, NO POCKET (MATERIAL #10013951):

- 4.1 Short sleeve, crew neck under shirt made of a lightweight stretch fabric designed not to retain moisture. Shirt shall weigh less than eight (8) ounces when wet. Designed to go under the bullet resistant body armor. Sizes shall range from S to XXXL.
- 4.2 Hanes® Beefy or department approved equivalent. The T-Shirt shall be 100% cotton, silk screened with logo on left breast, no pockets. Sizes shall be furnished upon ordering.
- 4.3 BOMB SQUAD: Navy, Bomb Squad logo on left breast in gray silk screen.
- 4.4 SWAT: Black, S.W.A.T. logo shall be white silk screen. All lettering and artwork will be in white.
- 4.5 DIVE TEAM: Dark navy, silk screen yellow gold lettering.



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5.0 **T-SHIRT, SHORT SLEEVES, 50% COTTON/50% POLYESTER (MATERIAL #10023948):**

Hanes® Beefy or department approved equivalent. The T-Shirt shall be premium ring, 50% cotton/50% polyester, dark navy with white silk screened logo on left breast, no pockets. Sizes shall be furnished upon ordering. Fleet Maintenance shirt shall be dark navy with white silk screen.



6.0 **T-SHIRT, LONG SLEEVE, 100% COTTON (MATERIAL #10043539):**

Short sleeve, crew neck under shirt made of a lightweight stretch fabric designed not to retain moisture. Shirt shall weigh less than eight ounces when wet. Designed to go under bullet resistant body armor. Sizes shall be furnished upon ordering. Hanes® Beefy or department approved equivalent. The T-Shirt should be premium ring, 100% cotton, silk screened with logo on left breast, no pockets.



7.0 **BATES® BOOTS (MATERIAL #10041987):**

Bates® Delta 6 Gortex side zip or department approved equivalent boot with an 8" Lug sole. The boot is made with full grain leather uppers with Cordura nylon inserts. Comfort-flex notch. Partial speed lacing, padded collar and gusset tongue. Fully polyurethane Air-O-Magic cushioned foot bed and removable non-slip innersole. Textra sock liner material to line the innersole. Color shall be black. Sizes 8 – 13 (To include half sizes).



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8.0 **MOTOCYCLE BREECHES, SOLO SUMMER (MATERIAL #10014267):**

8.1 STYLE

Style #: 10334
Fabric Content: 91% Nylon/9% Lycra
Weight: 12.5 oz. linear yd.
Weave: Serge
Properties: Tear Strength 9.9 warp - 9.5 filling (lbs.)
Pilling: Minimum 4.9 rating

To be cut semi-mounted style with PEG. The waistband must incorporate a 2 ½ inch flex track band and have a minimum two (2) inch butterfly outlet in the seat seam. Bottoms to be finished with #4 YKK brass zipper. All seams to be over locked and pressed open. The fly must have a #4 YKK brass zipper and secured with Elite hook and eye and a French fly.



8.2 REINFORCEMENT

The seat reinforcement shall be full size and cover the seat area starting five (5) inches below the waistband and extending from dart to dart. This seat reinforcement shall cover the back panels of the breech all the way down and finish evenly with knee reinforcement. The knee reinforcement shall run from side seam to side seam and shall be a minimum of 12 inches in length.

8.3 WAIST BAND

The flex track waistband shall finish two (2) inches wide and shall be closed with one Elite crush-proof hook and eye. The waistband curtain must be attached with a rocap machine. The trousers are to be made with a continuous closed waistband. The waistband shall be set on and shall be stitched below the lower edge through the outer fabric and waistband curtain. The waistband must be designed to ensure two-zone comfort fit and breathability. The upper waistband curtain shall be inner lined with stretch Ban-Roll canvas. The elastic is constructed with an open weave to allow breathability around the waist. The upper portion is to allow a comfortable fit at the waist when bending or sitting, and must maintain a crisp, clean appearance at the outer waistband. This part of the waistband is to stretch approximately 20% and be firm enough to prevent waistband rollover. The lower part of the waistband is designed to stretch approximately 50% over the hips for comfort, to give support to the lower back and abdomen, and also to aid in keeping the trouser positioned properly on the waist. This elastic is woven with an open weave to allow breathability around the waist. The lower elastic portion of the band has an area of three rubberized strands of exposed snugtex rubber, which acts as a shirt keeper.

8.4 BELT LOOPS

There shall be a minimum of five (5) belt loops on waist sizes 28, 29, and 30, and a minimum of seven (7) on all sizes over 30. Each loop is to be tunnel style measuring two (2) inches, finished with a ¼ inch cover stitch on each side. All loops shall be sewn into the waistband and into the rocap except the back center loop that is bar tacked at the bottom and shall allow for a two (2) inch wide belt.

EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

8.0 **MOTOCYCLE BREECHES, SOLO SUMMER (MATERIAL #10014267) (CONTINUED):**

8.5 ZIPPERS AND OPENINGS

Zipper: The trousers shall be closed with YKK #4 brass zipper and have a brass bottom stop at the base of the zipper chain. A straight bar tack will be sewn at the bottom of the zipper stop through from the outside of the garment to the inside at the bottom of the fly. It shall be sewn through the zipper tape, the right and left fly and the right fly lining.

Stitching: All seams must be sewn with at least 10 stitches per inch. The seat seam shall be stitched with a tandem needle seat seaming machine.

Bar tacks: All stress points must be reinforced by bar tacks. These points include belt loops, zippers, and the sides of all pocket openings.

Finishing: All loose threads shall be removed. Trousers must be pressed completely and properly. The side seam, inseam and seat seam pressed open.

Buttons: 22 ligne melamine to match trouser color.

Hook and Eye: Waistband shall be secured with double Elite brand hook and eyes.

Thread: All sewing threads to be fast color polyester, core polyester wrap to match.

8.6 STITCHING, PRESSING AND FINISHING

Breeches must be stitched with matching thread. Breeches must be neatly pressed on hothead presses and properly shaped. Out seams and inseams are edge surged on automatic equipment for uniformity of quality and both out seam and inseam shall be pressed open for a smooth pucker-free finish with repeated cleaning and pressing. Breeches must be cleaned and finished to eliminate loose threads. There shall be a minimum of 14 stitches to the inch.

8.7 SIZES

Breeches must be available from stock in the following sizes:

SHORT INSEAM:

28 – 46 (EVEN ONLY) 25" finished inseam (taped)

REGULAR INSEAM:

28 - 60 (EVEN ONLY) 27" finished inseam (taped)

LONG INSEAM:

32 – 46 (EVEN ONLY) 29" finished inseam (taped)

EXTRA LONG INSEAM: 2 – 48 (EVEN ONLY) 31" finished inseam (taped)

8.8 LABELS

Trouser must have a permanent label providing care instructions and small woven label indicating waist size. A removable paper ticket showing the size, fabric content, cut number, and WPL or RN number must be on the outside of the waistband. Ticket to be matchbook style for easy removal without damaging trouser material and showing size when trousers are stacked.

EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

8.0 **MOTORCYCLE BREECHES, SOLO SUMMER (MATERIAL #10014267) (CONTINUED):**

8.9 POCKETING

- 8.9.1 All pockets must be made with 65% polyester/35% cotton, 2.6 oz. twill. Black in color.
- 8.9.2 Front pockets: The front shall have quarter top pockets with an opening of 7". The top of the pocket shall have a ¼ inch top stitch. The full length of the pocket to measure 11 inches from waistband to bottom finished pocket. .
- 8.9.3 Back Pockets: Two (2) back welt pockets shall have a minimum opening of 5 ½" inches and shall be 6" deep. Pocket shall be placed 2 ½ inches from the bottom of the waistband. These pockets shall be double welt pockets with bar tack reinforcement at each end. Both pockets shall have flaps with buttonhole and corresponding placed 22 ligne, four-hole button. Both hip pockets to have "pointed style" flap (self lined) inserted into the upper welt with a buttonhole centered on the flap to line up with a securely stitched 22 ligne button. Button holes shall be made with a cut after keyhole button hole machine.

8.10 TRIM

None required for Motorcycle Patrol Breeches.

9.0 **MOTORCYCLE BREECHES, SOLO, WINTER (MATERIAL #10026488):**

9.1 REQUIREMENTS FOR THE WINTER MOTORCYCLE BREECHES

Style #: 10309

Fabric: Raeford Mills style #13507, color #30 or Jitai Mills style #24109, color #2310

Color: Dark navy blue

Content: 100% wool

Weight: 19.5 oz. linear yd.

Weave: Elastique

To be cut semi-mounted style with PEG. Breeches shall be manufactured from an up-to-date pattern and shall be designed so that there will be a slight "peg" at the hip and no baggy seat. The front shall be plain (no pleats) with two (2) top pockets, two (2) hip pockets with flaps to button, two (2) club pockets and one (1) watch pocket located at the right front at the waistband. All pockets shall be reinforced with straight firm bar tacks. Hip pockets shall be of the double welt method, the welts shall be reinforced (interlined) with Pellon. The waistband must incorporate a 2 ½ inch flex track band and have a minimum 2 inch butterfly outlet in the seat seam. Bottoms to be finished with #4 YKK brass zipper. All seams to be over locked and pressed open. The fly must have a #4 YKK brass zipper and secured with Elite hook and eye and a French fly.



9.2 ZIPPERS AND OPENINGS

The trousers shall be closed with YKK #4 brass zipper and have a brass bottom stop at the base of the zipper chain. A straight bartack will be sewn at the bottom of the zipper stop through from the outside of the garment to the inside at the bottom of the fly. It shall be sewn through the zipper tape, the right and left fly and the right fly lining.

EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

9.0 **MOTORCYCLE BREECHES, SOLO, WINTER (MATERIAL #10026488) (CONTINUED):**

9.3 FLY

Breeches shall have a brass metal zipper with memory lock brass slider secured by metal stopper at base. There shall be a French Fly tab closure on the inside of the right fly. The tab shall be double ply made of the basic breeches fabric. The right fly shall be lined with the same material and color as the pocketing. The fly lining shall be sewn to the left fly continuing below the zipper into the crotch area in a neat and durable manner. A button shall be located on the left fly corresponding with the French Fly tab to provide a clean and comfortable closure. Topstitching of fly to be installed with automatic "J" stitch equipment, eliminating puckering and providing a clean finish. There shall be a firm straight bar tack at the bottom of the fly going through the zipper tape for maximum strength.

9.4 WAISTBAND

9.4.1 The waistband shall be constructed using the "closed method" and shall measure a minimum of 1 7/8" wide when finished. The waistband curtain shall finish a minimum 2 1/4" wide and shall be made of the same fabric and color as the pocketing material and must be attached to the top of the breeches with a Rocap machine (zigzag stitch). The use of single needle stitching for this operation shall be cause for rejection. The waistband must contain 3/4-inch Ban-Rol to prevent roll over and have three-row strand Snugtex to keep shirts tucked in. (Use of waistband curtains with silicone shall be unacceptable).

9.4.2 The waistband closure shall be accomplished with a single crush proof hook and eye centered on the waistband for wearers comfort. The hook and eye shall be reinforced with 7/8-inch non-woven stay tape that is anchored with topstitching through and through to the top of the waistband. In addition to the stitching of the waistband when it is set onto the breeches, the waistband must also be topstitched below the waistband seam through the waistband curtain for added strength. The back center seam of the breeches to be finished to allow for alterations (with ample basic fabric and waistband curtain material to allow breeches size to be increased at least one size). The outlet in the seat is to be in proportion to waist outlet so seat may also be let out. Seat seam must be sewn with a tandem needle machine (double-needle stitch) for maximum strength.

9.5 BELT LOOPS

There shall be a minimum of five (5) belt loops on waist sizes 28, 29, and 30, and a minimum of seven (7) on all sizes over 30. Each loop is to be tunnel style measuring 2", finished with a 1/4 inch cover stitch on each side. All loops shall be sewn into the waistband and into the rocap except the back center loop that is bar tacked at the bottom and shall allow for a 2" wide belt.

9.6 SEAT

Seat must be sewn with a Tandem Needle Machine (double-needle stitch) for maximum durability. The front quarters of the crotch are to be lined.

EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

9.0 **MOTORCYCLE BREECHES, SOLO, WINTER (MATERIAL #10026488) (CONTINUED):**

9.7 FULL CAVALRY REINFORCEMENT

Seat reinforcement shall be generously cut, rounded at top, double needle stitched all around outside edge, and shall not be more than 1 3/8" from hip pockets, tapering in to approximately 2 1/2" in width at finishing bottom, approximately 5" from bottom finished and bound hem. Knee reinforcement to begin at top approximately 2 1/2" down from top of zipper (vented) to approximately 4" from the bottom (lining up with the seat reinforcement extension). There shall be a 10" brass zipper vent at bottom of breeches at out seams. Darts on legs folded, pressing back seams. Zipper installation shall be 1/4" top stitched on both sides (on zipper tape) for added durability and longevity. Top point of zipper is to have straight bartack reinforcement. Bottom of leg to have appropriate darts to accomplish desired peg (shall be edge taped for a neat finish at the bottom).

9.8 POCKETING

9.8.1 The two (2) top pockets will have a minimum opening of 6" and a minimum depth of approximately 5-3/4" measured from the bottom of the opening. Top pockets to have straight bar tacks at the top and bottom of pocket openings. Pockets shall be constructed using the stitch, turn, and top stitch method. Front pocket facings and barrier to be made of the basic breeches fabric. Facing shall be a minimum of 1" and barrier shall measure a minimum of 1-1/2" (measured to the inside edge of pocket lining).

9.8.2 The two (2) hip pockets shall have a minimum 5-3/8" wide (bar tack to bar tack) opening and a minimum depth of 5-1/2" measured from the bottom of the pocket opening. Hip pockets shall be constructed using the double welt method on an automatic welt machine. The corners of the hip pocket openings shall have triangular bar tacks for reinforcement. Hip pocket facing and barrier are to be made of basic breeches fabric. Facing shall be a minimum of 3/4" and the barrier shall be a minimum of 1-1/4". Both hip pockets to have "pointed style" flap (lined of pocketing material) inserted into the upper welt with a buttonhole centered on the flap to line up with a securely stitched button. There shall be a dart centered above each hip pocket to waistband. Dart shall be approximately 2-3/4" long tapered from the waistband and shall be installed with automatic equipment for a clean non-puckered finish.

9.8.3 The watch pocket shall be located on the right front at the waistband. This pocket shall have a minimum opening of approximately 2-3/4" and a minimum depth of 3". Each corner of the pocket opening shall have firm straight vertically positioned bar tacks.

9.8.4 There shall be two (2) club pockets positioned approximately 3-1/2" below each top pocket. The club pocket shall be approximately 2" from the side seam with a minimum opening of 3-1/2" and a minimum depth of 7-3/4". Pocketing material to be the same as the top front and hip pockets. Club pocket shall be constructed using the double welt method on a Reece PW machine. The corners of the club pockets shall have triangular bar tacks for reinforcing strength.

EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

9.0 **MOTORCYCLE BREECHES, SOLO, WINTER (MATERIAL #10026488) (CONTINUED):**

9.9 STITCHING, PRESSING & FINISHING

Breeches must be stitched with matching thread. Breeches must be neatly pressed on hothead presses and properly shaped. Out seams and inseams are edge surged on automatic equipment for uniformity of quality and both out seam and inseam shall be pressed open for a smooth pucker-free finish with repeated cleaning and pressing. Breeches must be cleaned and finished to eliminate loose threads. There shall be a minimum of 14 stitches to the inch.

9.10 STOCK SIZES

Breeches must be available from stock in the following sizes:

SHORT INSEAM:

28 – 46 (EVEN ONLY) 25” finished inseam (taped)

REGULAR INSEAM:

28 - 60 (EVEN ONLY) 27” finished inseam (taped)

LONG INSEAM:

32 – 46 (EVEN ONLY) 29” finished inseam (taped)

EXTRA LONG INSEAM:

32 – 48 (EVEN ONLY) 31” finished inseam (taped)

9.11 LABELS

Trouser shall have a permanent label providing care instructions and a small woven label indicating waist size. A removable paper ticket showing the size, fabric content, cut number and WPL or RN number must be on the outside of the waistband. Ticket to be matchbook style for easy removal without damaging trouser material and showing size when trousers are stacked.

9.12 BUTTONS

22 ligne melamine to match trouser color.

9.13 PATCHES OR REINFORCEMENTS

The legs and seat area of the pants will have an overlay of fabric as shown in the drawing entitled Motorcycle Patrol Breeches. Measurements will be determined according to the size of the officer.

EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

9.0 **MOTORCYCLE BREECHES, SOLO, WINTER (MATERIAL #10026488) (CONTINUED):**

9.14 HEM FINISH

Hem at bottom of breeches leg shall be faced with 1 1/4" wide Snug-Tex elastic waist-banding, stitched with a single needle over-lock stitch, which is caught at zipper inset stitching at out-seam and back breeches leg. Edge of facing is stitched to fabric with single needle over-lock stitch to preserve stretchability. There will be a 1" long, 2" wide black Velcro loop tape seam on all four (4) sides at the hem level, from the zipper stitching line to 2" toward center back leg. There shall be a 3 1/2" long, 2" wide tab with 2" of black Velcro hook tape sewn to the front leg at hem level so as to extend 2 1/2" beyond zipper onto back leg of pants, forming a tab by which the breeches leg can be tightened at the ankle with the Velcro tab.

9.15 TRIM

None required for Motorcycle Patrol Breeches.

10.0 **MOUNTED BREECHES (MATERIAL #10026465):**

10.1 REQUIREMENTS FOR THE MOUNTED BREECHES



Style # 10300

Fabric: Raeford Mills style #13507, color #CHP or Jitai Mills style #24109, color #21324. Color: Serge

Content: 91% Nylon/9% Lycra

Weight: 12.5 oz. linear yd.

Weave: Elastique

Properties: Tear strength 9.9, warp-9.5 filling (lbs)

Pilling: Minimum 4.9 rating

Breeches must be stitched with matching thread. Breeches must be neatly pressed on hothead presses and properly shaped. Out seams and inseams are edge surged on automatic equipment for uniformity of quality and both out seam and inseam shall be pressed open for a smooth pucker-free finish with repeated cleaning and pressing. Breeches must be cleaned and finished to eliminate loose threads. There shall be a minimum of 14 stitches to the inch.

10.2 STYLE

To be cut semi-mounted style with PEG. Breeches shall be manufactured from an up to date pattern and shall be designed so that there will be a slight "peg" at the hip and no baggy seat. The front shall be plain (no pleats) with two (2) top pockets, two (2) hip pockets with flaps to button, two (2) club pockets and one (1) watch pocket located at the right front at the waistband. All pockets shall be reinforced with straight firm bar tacks. Hip pockets shall be of the double welt method. The welts shall be reinforced (interlined) with Pellon. The waistband must incorporate a 2 1/2 inch flex track band and have a minimum 2 inch butterfly outlet in the seat seam. Bottoms to be finished with #4 YKK brass zipper. All seams to be over locked and pressed open. The fly must have a #4 YKK brass zipper and secured with Elite hook and eye and a French fly.

EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

10.0 **MOUNTED BREECHES (MATERIAL #10026465):**

10.3 FLY

Breeches shall have a brass metal zipper with memory lock brass slider secured by metal stopper at base. There shall be a French fly tab closure on the inside of the right fly. The tab shall be double ply made of the basic breeches fabric. The right fly shall be lined with the same material and color as the pocketing. The fly lining shall be sewn to the left fly continuing below the zipper into the crotch area in a neat and durable manner. A button shall be located on the left fly corresponding with the French fly tab to provide a clean and comfortable closure. Topstitching of fly to be installed with automatic "J" stitch equipment eliminating puckering and providing a clean finish. There shall be a firm straight bar tack at the bottom of the fly going through the zipper tape for maximum strength.

10.4 ZIPPERS

The trousers shall be closed with YKK #4 brass zipper and have a brass bottom stop at the base of the zipper chain. A straight bartack will be sewn at the bottom of the zipper stop through the outside of the garment to the inside at the bottom of the fly. It shall be sewn through the zipper tape, the right and left fly, and the right fly lining.

10.5 BELT LOOPS AND WAISTBAND

10.5.1 There shall be a minimum of five (5) belt loops on waist sizes 28, 29, and 30 and a minimum of seven (7) on all sizes over 30. Each loop is to be tunnel style measuring 2 inches, finished with a ¼ inch cover stitch on each side. All loops shall be sewn into the waistband and into the rocap except the back center loop that is bar tacked at the bottom and shall allow for a 2 inch wide belt.

10.5.2 The waistband shall be constructed using the "closed method" and shall measure a minimum of 1-7/8" wide when finished. The waistband curtain shall finish a minimum 2-1/4" wide and is to be made of the same fabric and color as the pocketing material and must be attached to the top of the breeches with a rocap machine (zigzag stitch). The use of single needle stitching for this operation shall be cause for rejection. The waistband must contain ¾-inch Ban-Rol to prevent roll over and have three (3) row strand Snugtex to keep shirts tucked in. (Use of waistband curtains with silicone shall be unacceptable). The waistband closure shall be accomplished with a single crush proof hook and eye centered on the waistband for wearers comfort.

10.5.3 The hook and eye shall be reinforced with 7/8-inch non-woven stay tape that is anchored with topstitching through the top of the waistband. In addition to the stitching of the waistband when it is set onto the breeches, the waistband must also be topstitched below the waistband seam through the waistband curtain for added strength. The back center seam of the breeches shall be finished to allow for alterations (with ample basic fabric and waistband curtain material to allow breeches size to be increased at least one size). The outlet in the seat is to be in proportion to waist outlet so seat may also be let out. Seat seam must be sewn with a tandem needle machine (double-needle stitch) for maximum strength.

EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

10.0 **MOUNTED BREECHES (MATERIAL #10026465) (CONTINUED):**

10.6 POCKETING

10.6.1 The pocketing and fly lining material shall be 70% polyester/30% cotton, 2.9 oz. per square yard (60" width) with a minimum 78 x 48 count. Pocketing must have a durable press finish and the color of the pocketing shall be black.

10.6.2 The two (2) top pockets shall have a minimum opening of 6" and a minimum depth of approximately 5 3/4" measured from the bottom of the opening. Top pockets shall have straight bar tacks at the top and bottom of pocket openings. Pockets shall be constructed using the stitch, turn, and top stitch method. Front pocket facings and barrier to be made of the basic breeches fabric. Facing shall be a minimum of 1" and barrier shall measure a minimum of 1 1/2" (measured to the inside edge of pocket lining). The two (2) hip pockets shall have a minimum 5 3/8" wide (bar tack to bar tack) opening and a minimum depth of 5 1/2" measured from the bottom of the pocket opening. Hip pockets shall be constructed using the double welt method on an automatic welt machine. The corners of the hip pocket openings shall have triangular bar tacks for reinforcement. Hip pocket facing and barrier are to be made of basic breeches fabric. Facing shall be a minimum of 3/4" and the barrier shall be a minimum of 1 1/4". Both hip pockets to have "pointed style" flap (lined of pocketing material) inserted into the upper welt with a buttonhole centered on the flap to line up with a securely stitched button. There shall be a dart centered above each hip pocket to waistband. Dart shall be approximately 2 3/4" long tapered from the waistband and shall be installed with automatic equipment for a clean non-puckered finish. The watch pocket shall be located on the right front at the waistband. This pocket shall have a minimum opening of approximately 2-3/4" and a minimum depth of 3". Each corner of the pocket opening shall have firm straight vertically positioned bar tacks.

10.6.3 There shall be two (2) club pockets positioned approximately 3 1/2" below each top pocket. The club pocket shall be approximately 2" from the side seam with a minimum opening of 3 1/2" and a minimum depth of 7 3/4". Pocketing material to be the same as the top front and hip pockets. Club pocket shall be constructed using the double welt method on a Reece PW machine. The corners of the club pockets shall have triangular bar tacks for reinforcing strength.

10.7 SEAT

Seat must be sewn with a Tandem Needle Machine (double-needle stitch) for maximum durability. The front quarters of the crotch are to be lined.

10.8 FULL CAVALRY REINFORCEMENT

Seat reinforcement shall be generously cut, rounded at top and double needle stitched all around outside edge. Not to be more than 1 3/8" from hip pockets, tapering in to approximately 2 1/2" in width at finishing bottom. Approximately 5" from bottom finished and bound hem. Knee reinforcement to begin at top approximately 2 1/2" down from top of zipper (vented) to approximately 4" from the bottom (lining up with the seat reinforcement extension). There shall be a 10" brass zipper vent at bottom of breeches at outseams. Darts on legs folded, pressing back seams. Zipper installation shall be 1/4" top stitched on both sides (on zipper tape) for added durability and longevity. Top point of zipper is to have straight bartack reinforcement. Bottom of leg to have appropriate darts to accomplish desired peg (to be edge taped for a neat finish at the bottom).

EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

10.0 **MOUNTED BREECHES (MATERIAL #10026465) (CONTINUED):**

10.9 STOCK SIZES

Breeches must be available from stock in the following sizes:

SHORT INSEAM:

28 – 46 (EVEN ONLY OVER 38) – 25” finished inseam (taped)

REGULAR INSEAM:

28 - 60 (EVEN ONLY OVER 38) – 27” finished inseam (taped)

LONG INSEAM:

32 – 46 (EVEN ONLY OVER 38) - 29” finished inseam (taped)

EXTRA LONG INSEAM:

32 – 48 (EVEN ONLY OVER 38) - 31” finished inseam (taped)

11.0 **COMMAND STAFF ALL-WEATHER COAT (MATERIAL #10029726):**



11.1 FEATURES & BENEFITS

100% wool gabardine double breasted belted button thru trench coat. Two (2) piece sleeve with permanent epaulets. 100% polyester permanent lining. Two (2) bottom welt pockets with two (2) piece back and back yoke. Open back vent. Zip-out liner. 3M Thinsulate quilted body 100g with sleeve warmer.

11.2 COLORS

Black and navy.

EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

11.0 COMMAND STAFF ALL-WEATHER COAT (MATERIAL #10029726) (CONTINUED):

11.3 SIZES

SIZES												
Regular	36	38	40	42	44	46	48	50	52	54		
Short	36	38	40	42	44	46	48	50				
Long	38	40	42	44	46	48	50	52	54	56	58	60

12.0 COMMAND STAFF DRESS COAT (MATERIAL #10040599):

12.1 BASIC DESIGN

Single breast jacket (Blouse Coats Male/Female)

Four (4) button, single breasted, straight front, semi-form fitting, with notch lapels and epaulets.

Flying Cross by Fecheimer Item No. 34891 or approved equal.



12.2 FABRIC

Content: 55% polyester/45% wool
Weight: 13 – 13 ½ oz. per linear yard
Weave: Serge
Color: Navy blue

12.3 BUTTONS

Gold "P" buttons

12.4 COLLAR

Shall not be over 1 7/8" wide in back when finished. Under collar to be closely padded with under collar cloth.

12.5 EDGES AND SEAMS

Edges shall be single stitched 3/16". Plain seams, pressed open.

12.6 POCKETS AND POCKETING

Outside front pockets to be four (4) false, three (3) pointed flaps, with 24 Ligne button and buttonhole in center point. The upper flap shall be 5 1/2" wide, lower flaps 8" wide with both sets of flaps being 2 1/2" deep. Corners to be sewn down. Shall have one (1) breast pocket, reinforced with self cloth, approximately 6" wide and 6" deep. Flaps double stitched 1/4". Inside pocket to be Polyester blend. color shall be black.

EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

12.0 COMMAND STAFF DRESS COAT (MATERIAL #10040599) (CONTINUED):

12.7 LINING

Coat is to be fully lined with black acetate twill lining.

12.8 VENTS

Shall have two (2) side vents 8" long that close to the back with a zipper on each vent.

12.9 BADGE TAB

Separate badge tab made of same material as the garment, approximately 1 1/2" wide and 2 1/4" long with two (2) stitched eyelets, approximately 1 1/2" a part, sewn to the outside left breast of the coat so that the lower point of the badge is 1" above the breast pocket button.

12.10 BUTTONHOLES

All buttonholes shall be made to a full 1/2" from the edges of the seam. The ends of all buttonholes shall be bar tacked. All buttonholes to be "cut after" machine made buttonholed. All thread used in making buttonholes shall be black silk, tailor's button twist, colorfast and guaranteed against fading.

12.11 SHOULDER STRAPS

To be sewn in sleeve seam directly on tip of the shoulder. The strap shall come under the collar and fasten with 24 ligne metal button at the edge of the collar. Cross stitched. Edges double stitched 1/4".

12.12 SWEAT SHIELDS

A sleeve sweat shield of the same cloth as in the body of the coat, piped with rayon to be securely set under each arm over the lining.

12.13 OUTLETS

All body seams to have outlets of not less than 1". Turn up at sleeve cuffs to be not less than 2 1/2".

12.14 EMBLEMS

Houston Police Department emblems on both shoulders.

12.15 STRIPES

Jackets will have two (2) to four (4) stripes added to each sleeve depending on rank.

12.16 LABELS

Must have care label permanently affixed; must also have size label showing fiber content.

EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

13.0 SOLO HARLEY DAVIDSON® LEATHER JACKET OR DEPARTMENT APPROVED EQUAL (MATERIAL #10040603):

Shell: Top grain leather (cowhide)
Lining: Nylon quilted (permanent)
Thread: Nylon
Zipper: Heavy duty
Color: Black
Length: 25"
Features: Zipper sleeves, zipper hand pockets, waist belt, chrome trim and Bi-swing back.



14.0 MOUNTED LEATHER JACKET (MATERIAL #10040601):

Taylor's® leather jacket or department approved equal constructed of calfskin, 26" length with a Mounon collar, two (2) inside pockets and pen/pencil pocket on left sleeve. Color shall be black. Sizes XS – 3XL.



15.0 NOMEX® FLIGHT SUIT AIR SUPPORT OR DEPARTMENT APPROVED EQUAL (MATERIAL #10045725):

Sewn to military specification FNS/PD 96-17 (MIL-C-83141A)
Features NOMEX®, a flame resistant, non-melting material
Fabric is lightweight and will never fade
NIR compliant* (all colors except black)
Felled seams throughout for enhanced durability
Six (6) primary pockets with additional accessory pockets
Reinforced shoulders to prevent wear
Two (2) zippered, tilted chest pockets
Two (2) way zipper front with cloth pull
Bi-swing back improves range of motion
Combination covered pen pocket/zippered pocket on the left sleeve
Adjustable Hook and loop closure at sleeve cuffs
Adjustable waist belt with Hook and loop closure
Two (2) thigh-high zippered pockets
Two (2) shin-high zippered pockets
Knife pocket on the left leg inseam
Zippered leg openings
Worn by all U.S. flight crews
Color shall be sage green



EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

16.0 DICKIES 33999 COVERALLS (SHORT SLEEVE) OR DEPARTMENT APPROVED EQUIVALENT (MATERIAL NOS. 10048268, 10048271, 10048272, 10048273 & 10048274):

16.1 COLOR

Navy

16.2 SHORT SLEEVE COVERALLS BASIC DESIGN

Short sleeves to be no shorter than 8" nor longer than 12". Concealed snaps at the waist, neck and chest pockets, and large back pockets. Button closure on left back pocket with stain release finish. A heavy-duty nylon 2-way front zipper, bi-swing back, side waist elastic inserts. Roomy through the shoulders. 5 oz. Poplin (65% polyester/35% cotton) Select by chest size and inseam (Short=29, Regular=31, Tall=33)
Top of form



16.3 SHOULDER & BADGE EMBLEM

Each coverall will have Houston Police Department shoulder emblems sewn to each sleeve. The top of the emblem will touch the yoke seam. The HPD emblem is to be sewn 1/2" above left breast pocket and centered. A gold badge emblem will be placed on coveralls supplied for the ranks of sergeants and above.



GOLD BADGE EMBLEM

17.0 DICKIES® 4879 COVERALLS (LONG SLEEVE) OR DEPARTMENT APPROVED EQUIVALENT (MATERIAL NOS. 10048270, 10048275, 10048276, 10048277 & 10048278):

17.1 COLOR AND SLEEVES

Navy color. Long sleeves to feature a buttoned cuff.

17.2 SHOULDER AND BADGE EMBLEM

Each coverall will have Houston Police Department shoulder emblems sewn to each sleeve. The top of the emblem will touch the yoke seam. The HPD emblem shall be sewn 1/2" above left breast pocket and centered. A gold badge emblem will be placed on coveralls supplied for the ranks of sergeants and above.



EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

17.0 DICKIES® 4879 COVERALLS (LONG SLEEVE) OR DEPARTMENT APPROVED EQUIVALENT (CONTINUED):

17.3 SHOULDER AND BADGE EMBLEM (CONTINUED):



GOLD BADGE EMBLEM

17.4 LONG SLEEVE COVERALLS BASIC DESIGN

Heavy-duty brass zippers on front pockets, left back pocket and 2-way front zipper, bi-swing back. Rule pocket and hammer loop, large back pockets, concealed snaps at waist, neck and faced cuffs. Stain release finish.

7 1/2 oz. Twill (65% polyester/35% cotton)
Inseams: Short 28", Regular 30", Tall 32", X-Tall 34"

18.0 SOLO HELMET SEER® WITH VISOR OR DEPARTMENT APPROVED EQUIVALENT (MATERIAL #10017199):



18.1 GENERAL

The helmet herein specified shall have a strong, tough exterior shell to resist penetration and spread the force of the impact. Within, and cooperating with the shell, shall be an energy-absorbing and force-attenuating liner. Under impact, the shell-liner combination shall reduce and spread transmitted forces to the maximum extent possible. The helmet shall be provided with a visor to shield the eyes from sun and sky glare and shall have a throat strap to secure the helmet to the head. The helmet shall conform to Federal Motor Vehicle Safety Standard No. 218 DOT.

18.2 FACE SHIELD

S-5005 E - Polycarbonate face shield with elastic strap attachment. Extra strong, highly shatter resistant resists common acids and is unaffected by extreme weather temperatures. Shield can be "flipped-up". Shield has positive lock in up or down position. Unobstructed vision with room for wearing eyeglasses. Meets standard ANSI Z87.1.

EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

18.0 SOLO HELMET SEER® WITH VISOR OR DEPARTMENT APPROVED EQUIVALENT (MATERIAL #10017199) (CONTINUED):

18.3 VISOR

Visor shall be plastic material, such as polypropylene, functioning as a sunshade. Attachment will consist of snap fasteners being freely capable of disengagement to minimize localized concentration of impact and/or providing a "handle" in physical combat. Visor shall be black. Rank bands shall be non-tarnishing mylar in gold or silver (DE LUXE) as specified.

18.4 SPECIFICATIONS

The helmet shall meet or exceed the requirements of Federal Motor Vehicle Safety Standard No. 218 (FMVSS 218) (DOT).

18.5 THREAD

All edges stitched on singer type machine six (6) to seven (7) stitches per inch.

18.6 EDGES

All edges dyed black.

18.7 OUTER SHELL

The outer shell shall be of fiberglass construction for increased strength to weight ratio. For additional protection, the shell shall have a 1 1/2" dip in the back starting at the ear. The shell finish shall be a high gloss paint in standard colors protected by a clear hard-coat coating. Shell edge shall be covered with a tough molded edging.

18.8 VENTILATION

The helmet shall have two (2) adjustable air intake ports above the visor and an air channeled inner cap allowing circulation of air across the top of the head to reduce both heat and humidity.

18.9 LINER

The interior of the outer shell shall be lined with a semi-resilient foam energy absorbing material of 60" minimum thickness. Liner material to be unaffected by temperatures ranging from +14 Degrees F to +122 Degrees F and sealed off by an inner semi-rigid floating ABS plastic shell of .030" or more wall thickness which also allows thorough sanitation and prevents indiscriminate deterioration of the liner.

18.10 SUSPENSION #1

Within the inner shell is a head suspension unit, which allows ventilation. The headband shall be adjustable and attached to a cradle of nylon web straps with a floating crown pad. The size adjustable shall be in 1/8 inch increments and in sizes from 6 3/4 through 8 3/8.

EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

18.0 SOLO HELMET SEER® WITH VISOR OR DEPARTMENT APPROVED EQUIVALENT (MATERIAL #10017199) (CONTINUED):

18.11 SUSPENSION #2

The helmet shall have a perforated cushion pad sizing system, which allows for size adjustment and air flow ventilation. The cushion pads shall be attached to the ABS inner shell with Velcro on both the pads and the inner shell. They shall be easily removed for replacement, adjustment or cleaning. Cushion pads are provided in 1/4", 3/8", and 1' 2" thickness.

18.12 RETENTION

18.12.1 Sewn Naugahyde head harness shaped as a letter "Y" to allow normal hearing and to stabilize helmet on head. Dacron and nylon tubular webbing in a "V" pattern shall be incorporated in the harness for strength. Each leg of the "V" tubular nylon shall be riveted to the outer vector to stabilize the helmet on the head. The throat strap shall be of nylon tubular webbing and bar tacked in three (3) places to the tubular nylon within the harness.

18.12.2 The throat S1602V-26-461 strap shall have two (2) metal "D" rings as a locking fastener. A replaceable sleeve shall be installed over the throat strap for comfort. The sleeve and strap shall have Velcro attached so strap end can be secured after "D" rings locking. An all metal working parts, quick release buckle system shall be included for additional protection. Harness shall have provisions for Velcro attachment of accessories such as ear muffs, foul weather adapter and wind buffeting tabs. Nape strap to be included for additional protection.

18.13 SIZES

The helmet shall be available in four (4) shell sizes allowing for head sizes in the following ranges:

Small	Medium	Large	X-Large	XX-Large
6-3/4-6-7/8	7-7-1/4	7-3/8-7-3/4	7-7/8	8-3/8

18.14 COLOR

The helmet color shall be white with black high trim and covered with a clear hard-coat finish.

18.15 ACCESSORIES

The below accessories shall be included:

18.16 FOUL WEATHER ADAPTOR

Part No. S-1280 - A fur-lined, Naugahyde covered, ear and neck cover shall be attached to the harness by means of Velcro.

18.17 TACTICAL DUTY ACCESSORIES

Helmet shall come with face shield and ear and neck protector attached.

EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

19.0 SOLO CUSHION PADS (MATERIAL #10029995):

MOTORCYCLE CUSHION PADS

Cushion Crown Pads S-7008: Foam cushion shall be attached to the harness by way of Velcro. The helmet pads are sized according to thickness:

Small	Medium	Large	X-Large
1/8	1/4	3/8	1/2



20.0 MOTORCYCLE EAR MUFFS (MATERIAL #10048287):

Ear Muffs S-1608: Fur-lined ear muffs shall be attached to harness by means of Velcro.



21.0 ASCENT® BICYCLE HELMET WITH VISOR OR DEPARTMENT APPROVED EQUIVALENT (MATERIAL #10020333):

Ascent® Vista style BH-DEL6 bike helmet in white with black visor. "Houston Police" imprinted on both sides of the helmet.



EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

22.0 STRATTON® CAMPAIGN MOUNTED FELT/STRAW HATS OR DEPARTMENT APPROVED EQUAVILENT:

22.1 Felt Campaign Hat (Mounted Patrol) F-40: Shall be made of 100% fur felt with a 3" double thick extra stiff flat brim. Inner shall have a cushion comfort sweatband, satin lined and shall have three (3) piece swivel chin strap with metallic acorns in gold or silver.



22.2 Straw Campaign Hat (Mounted Patrol) USPSSTS40: Shall be constructed of genuine Milan Straw with 3" triple stay flat extra stiff brim, inner hat shall have cushion comfort sweatband with a ventilated crown and 3 piece swivel chin strap with metallic acorns in gold or silver.



EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

23.0 CAMPAIGN MOUNTED RAIN CAP COVER (MATERIAL #10014574):

Shall be of a crystal clear 4.5 mil plastic with all seams electronically seal to protect the hat in its entirety (fit and cover campaign style hat) to protect from opposing elements.



24.0 POLICE UNIFORM CAP NAVY/WHITE (MATERIAL #1000859):

24.1 STYLE

"5-Star" Midway Cap® or department approved equivalent. Shall be deluxe military style caps with stationary cover and will be imprinted "5-Star" on the inside crown lining to assure compliance with specifications.

24.2 DIMENSIONS

The dimensions of a size 7 1/8 cap shall be front to rear of crown 10 7/8", side to side of crown 10 3/8"; and height of cap in front 4 3/8". All other sizes shall be in proportion.

24.3 COVERS

24.3.1 Blue shall be made of Raeford's #521-610, Metcalfs #220 P & F, or department approved equivalent gabardine, 11 - 11 1/2 oz., 55% polyester, 45% wool. The cover shall have a dry-cleanable bonding of not less than .093 gauge, polyurethane foam throughout the entire top, sides and front, and a full crown lining of black 100% Acetate Taffeta. A sweat protector of .004 gauge, clear polyethylene film shall cover the lining and an identification card holder, in the form of a rectangle, will be heat-sealed directly to the sweat protector.

24.3.2 White shall be #191 white linen weave vinyl with a full crown lining of black 100% Acetate Taffeta. A sweat protector of .004 gauge clear polyethylene film shall cover the lining and an identification card holder, in the form of a rectangle, will be heat-sealed directly to the sweat protector. After joining the crown and the sides, the crown seam shall be doubled-stitched with a 3/8" bias folded tape. As a final operation, all caps shall be blocked on a 5-piece block in live steam and thoroughly dried.



EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

24.0 POLICE UNIFORM CAP NAVY/WHITE (MATERAIL #10000859) (CONTINUED):

24.4 EYELETS

Each cap cover shall be provided with a total of six (6) metal eyelets; two (2) eyelets shall be attached in the front center 1 3/8" up from frame band and 1 1/2" apart, for proper placement of a 2-post badge; two (2) eyelets will be provided on each side for ventilation. Prior to honoring any purchase order, supplier is required to verify measurements of badge prongs with Houston Police Department before placement of eyelets.

24.5 FRAME BAND

24.5.1 Blue frame band shall be 2" wide of an extruded high-density black linear polyethylene, approximately .040 thick, and adequately perforated with five (5) rows of holes throughout. A black genuine Midlon will be sewn over this band. This band shall then be bound at the bottom with #521-610 navy blue gabardine material.

24.5.2 White frame band shall be 2" wide of an extruded high-density white linear polyethylene, approximately .040 thick, and adequately perforated with five (5) rows of holes throughout. A white genuine Midlon will be sewn over this band. This band shall then be bound at the bottom with #521-610 navy blue gabardine material.

24.6 FRONT SUPPORT

The front support shall consist of 1-ply of haircloth and 1-ply of nylon mesh covered with black lining. A pocket shall be created by sewing so that a 1" Muslin-covered twin wire can be inserted for proper stiffening.

24.7 GROMMET

A 1/2" clear "D" plastic grommet, measured and closed to exact size, shall be inserted into the cap cover.

24.8 VISOR

Visor to be made into two (2) pieces; the upper portion to consist of a nylon base with a black Japanned top; the bottom piece of .095 genuine Sur-V-Lon with an embossed hatters' green base. The two (2) pieces will be firmly cemented together, and visors will not bubble, crack or blister. The visor shall be shape #88, set into the frame at an angle of 45 degrees and finished 2 1/8" long. All visors shall be blocked to shape in heated forms.

24.9 FRONT STRAP

Blue front strap shall be one-piece, 1/2" wide, nickel metal expansion type. The strap shall be held at either end with a Regulation Police Button in a nickel finish.

White front strap shall be style EM-48 1/2" wide metal expansion type in a gold finish. The strap shall be held at either end with a Regulation Houston Police Button in a gold finish.

EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

24.0 POLICE UNIFORM CAP NAVY/WHITE (MATERIAL #10000859) (CONTINUED):

24.10 SWEATBAND

The sweatband shall be genuine roan leather with gold line roll, 1 1/2" wide. The sweatband shall be sewn into the cap with a hand-sewn finish. A machine-sewn finish will not be acceptable.

ALL CAPS SHALL CONTAIN A SIZE LABEL AND WORKMANSHIP SHALL BE FIRST-CLASS IN ALL RESPECTS.

25.0 CLEAR RAIN CAP COVER WITH VISOR (MATERIAL #10014574):

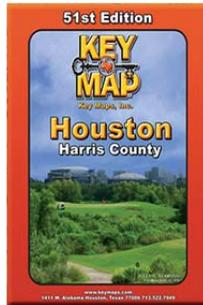
The cap will be made with a visor; crystal clear 4.5 mil plastic.



Rain Cap Covers

26.0 KEY MAPS (MATERIAL #10020165):

Houston/Harris County Atlas, spiral wire bound, latest edition.



27.0 BARRIER TAPE (MATERIAL #10026724):

Yellow plastic tape 3 X 1,000 with black lettering "Crime Scene Police Line Do Not Cross Call Crime Stoppers (713) 222-TIPS."



EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

28.0 **FLARES 30-MINUTE (MATERIAL #10004302):**

Self-striking cap, 30 minute wire ¼ grade red highway flare, wax coated non-spike standard 36 count per box (6030).



29.0 **LYSOL DISINFECTANT SPRAY (MATERIAL #10036184):**

Original scent, 19 oz can. Kills 99.9% of germs on hard, non-porous surfaces within 30 seconds when used as directed. EPA-registered disinfectant kills illness-causing bacteria and viruses on environmental surfaces in your home and workplace. Meets AOAC germicidal spray product test standards for hospital aerosol disinfectants, contains no CFC's.



30.0 **BIOHAZARDOUS BAGS (MATERIAL #10004493):**

Red 28x45 bag used for containing bio-hazardous materials that are to be incinerated. Made of durable polyethylene material, meets the 165g dart drop test requirements of ASTM D1709-91 and the 480g tear test requirements of ASTM D1922-67. Bio-Check® printed bags include the universal biohazard symbol in black.



EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

31.0 RAID COACHES JACKET (MATERIAL #10032024):



31.1 STYLE

Front snap closure with six (6) snaps. Jacket color shall be black with black enamel of each cap. Fully lined permanent lining, 100% polyester brushed tricot, black drawstring closure in the bottom hem of the jacket, elasticized cuffs, two (2) slash pockets, set-in sleeves, shirt style collar.

Shell fabric contents: 100% polyester

Weave: Taffeta, 70 denier

Finish: Polyurethane back coated for wind and water resistance.

31.2 POCKETS

There shall be two (2) set-in welt style pockets. The welts shall measure 7" long and 1" wide secured with a bartack at each end. The pocket bag shall be made of the same material as the lining. The color of the bag shall be white.

31.3 COLLAR

The collar shall be a pointed, shirt style collar of shell material. This shall be fully interlined.

31.4 SLEEVES & CUFFS

There shall be a one (1) piece set-in sleeve. Each sleeve will have a 1/32" topstitch encircling the armhole. There will be an elasticized cuff on each sleeve.

31.5 LOCKER LOOP

There shall be a locker loop made of shell material at the neck seam.

31.6 SEAMING

All main joining seams shall be overlock safety stitched. The armhole seam and the top shoulder shall be topstitched with a 1 3/2" stitch on the outside to secure in place.

31.7 THREAD

All thread shall be poly-core. All main seams shall use a #50 thread and the balance #60.

EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

31.0 RAID COACHES JACKET (MATERIAL #10032024) (CONTINUED):

31.8 BARTACKS

All pocket corners shall be properly bar tacked.

31.9 FINISHING

This garment shall be finished in a first class workmanlike manner with all loose threads removed. The omission or apparent omission of any wording or specifications shall mean that only the highest quality industry standards shall be used on all fabric and component parts including labor. Where there may be a discrepancy between the standard sample and the written specification, the detail of the standard sample shall prevail.

31.10 LABELS

All labels shall be permanent to withstand repeated cleanings for the life of the garment. The following labels shall be applied:

31.11 MAIN LABEL

There shall be a main label on the jacket. This shall identify the manufacturer either by name and location, registered trademark, WPL or RN number as required by the Federal Trade Commission.

31.12 CONTENTS/CARE/SIZE LABEL

There shall be an additional label on the jacket clearly showing the fabric contents, laundering instructions and garment size.

31.13 NAME LABEL

There shall be a label to write one's name on the inside facing of the jacket.

31.14 PRINTING

"HOUSTON POLICE" imprinted on back in gold. "POLICE" imprinted on front in gold.

EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

31.0 RAID COACHES JACKET (MATERIAL #10032024) (CONTINUED):

31.15 PATTERN AND SIZING

The pattern of this garment shall be an oversized pattern with the following measurements:

PATTERN AND SIZING MEASUREMENTS IN INCHES				
SIZE	CHEST	SLEEVE	BACK LENGTH	NECK
SMALL (34-36)	44	35	27.5	18
MEDIUM (38-40)	48	36	28.5	19
LARGE (42-44)	52	37	29.5	20
X-LARGE (46-48)	56	38	30	21
2X-LARGE (50-52)	60	39	31	22
3X-LARGE (54-56)	64	40	31	23
4X-LARGE (58-60)	68	41	31	24

31.16 PERMANENT WATERPROOF-BREATHABLE MEMBRANE

The permanent waterproof-breathable membrane shall be laminated to polyester taffeta or an equivalent. Weight of membrane (oz. per sq. yd.) shall be .75.

Breathability of Laminate:

REQUIREMENT	TEST METHOD
600 min	ASTM E 96-80

Hydrostatic Resistance of Laminate:

REQUIREMENT	TEST METHOD
90 min	FED-STD-19A 5512

Color (Membrane): White

31.17 SEAM WATERPROOFING

All seams in the Gore-Tex liner or equivalent shall be waterproof taped. Seam tape shall be Gore Seam tape or equivalent compatible with the Gore-Tex or equivalent membrane. The tape shall be applied by hot air methods. The tape shall not be affected by weather, temperature or storage. The taped seams shall be tested from waterproofing in accordance with Federal Test Std. = 191, Method =5514. There shall be no appearance of water in the test area when the hydrostatic head is raised to 3 psi centimeters for a period of two (2) minutes. The same standards shall apply to the taped seams after flexing and 50 (min) wash cycles.

31.18 STITCHING AND THREAD

All stitching shall be even and uniform as per the standard sample. All lining body seams will be five (5) thread safety stitched or double stitched. All other seams to be single needle lockstitch, no chain stitching allowed. Thread shall be size #50 polyester wrapped polyester core vat dyed for all seams except for the loopers in the safety stitch which shall be #70 polyester wrapped, polyester core vat dyed.

EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

31.0 RAID COACHES JACKET (MATERIAL #10032024) (CONTINUED):

31.19 MEASUREMENTS

The measurements and construction stated for these items are approximates. The City reserves the right to accept items that are similar in size, if in the City's judgment, the item bid fulfills the intended purpose.

31.20 BID SAMPLE

If requested by the City, the two (2) apparent low bidders will be required to submit samples of the items proposed within fourteen (14) days of such request. The samples will be used to determine if the proposed items meet the specifications stated herein. Failure to provide samples within the fourteen (14) day period as requested will be just cause to reject bid and not consider it for further evaluation.

These samples, if not subject to destructive testing, will be returned to the bidder. A notice will be mailed to the bidder when samples are ready to be released by the City. Bidder will have fourteen (14) days to redeem the samples. If samples are not redeemed within this time period the City cannot be responsible for the condition or loss of the subject items.

31.21 IMPORTANT: STANDARD SAMPLE

In all details not specifically described herein, tailoring, styling, and construction of the components shall conform to the standard sample on file with the using agency.

31.22 TESTING OF BID SAMPLES SUBMITTED BY BIDDERS

Samples submitted by bidders will be compared for materials and construction with the standard sample on file with the Houston Police Department. Any sample by a bidder may be subjected to such test or tests by any Testing Laboratory as the Contracting Officer may select. The test methods to be conducted are Breathability of Laminate, Test Method ASTM E 96-80; Hydrostatic Resistance of Laminate, Test Method FED-STD-19A 5512 and Hydrostatic Resistance (psi) On Seam at 2 psi for 3 minutes, Cross over Seam, Test Method FTMS191A Method 5516. All costs in connection with any such tests shall be paid for by the bidder. All jackets submitted will be subject to review by the Houston Police Department clothing personnel, and their decision as to equivalents will be final.

31.23 LIMITED WARRANTY

The limited warranty shall contain at minimum the following:

Warranty Coverage: Manufacturer agrees to warrant to the original purchaser that the product will be free from defects in materials and workmanship for a period of five (5) years from date of purchase. A sample warranty must accompany the bid package. The warranty shall instruct the owner of their rights under the warranty.

Warranty Service: Should a covered product become defective during the warranty period, it shall be returned to the manufacturer with dated proof of purchase. The manufacturer shall repair or replace, at its option, any item determined to be defective and will return to purchaser at no charge.

EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

31.0 RAID COACHES JACKET (MATERIAL #10032024) (CONTINUED):

31.23 LIMITED WARRANTY (CONTINUED)

Limitations: This warranty does not cover abnormal wear and tear, color fastness of fluorescent fabrics, nor damage from chemicals, fire, misuse, accident or negligence. This warranty only applies to the original purchaser of the covered product and is not transferable.

31.24 CARE OF GARMENT

The sample and contract garments shall carry a manufacturer's printed care instructions label sewn into the garment. A sample care instruction label must be sewn into the garment accompanying the bid package as well. The tag shall instruct the owner how to properly clean and store the garment.

NOTE: DURING THE PERIOD OF THE CONTRACT, ANY CHANGES IN DESIGN MUST BE APPROVED BY THE CITY OF HOUSTON.

32.0 SOLO MOTORCYCLE GLOVES (WINTER) (MATERIAL #10012144):

32.1 STYLE

Tour Master (Grand Tour Elite model), Olympia Style #4350, Tour Master (Grand Tour Elite model) or department approved equivalent.

32.2 FEATURES

Deluxe supple drum dyed cowhide black leather, five (5) fingered, full length glove. Water proof/wind proof slip over polar cover. Water proof/wind proof breathable inner liner. Thinsulate or equivalent insulation. Kevlar or equivalent reinforced double leather palm. Double layered leather above the knuckles, finger and back of hand area.

Wind-Tex comfort liner from Olympia (A thin lightweight, water resistant, breathable membrane that stops the wind); Lightweight Thermolite™ insulation. Extended length velcro closure, padded knuckles, boxed fingers, and goggle wiper. Sizes: XS-XXL.



33.0 BIKE WINTER/SUMMER GLOVES (MATERIAL #10014548):

Hatch® Patrolman Gloves, Style #MW988D or department approved equal. The glove is a soft unlined glove made of American Deerskin hide. The color shall be black.



EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

34.0 WOMEN'S A-LINE SKIRT 24" (MATERIAL #10036934):

Skirt shall be A-Line standard and available in standard and non-standard sizes.

34.1 MATERIALS

100% texturized Dacron polyester; weight to be no less than 6 oz. and no more than 8 oz. per square yard. If quoted in linear yards, weight to be no less than 13.36 oz. per linear yard and no more than 19.21 oz. per linear yard. Fast color guaranteed washable permanent press, soil release finish. Color shall be navy.

34.2 STYLE

Linden Grey 24" skirt (Style No. 9M13NV) or department approved equivalent tapered A-Line skirt with back zipper closure. The skirt will have two (2) side pockets and a back slit with pleat. The waist band shall have elastic in the back for an adjustable fit.



35.0 RADIO HOLDER (MATERIAL #10036149):

ASTRO Digital XTS 2500/1500, MT 1500 and PR1500 or equal. NTN8125A leather case with high-activity swivel.



EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

36.0 RADIO ABL BELT LOOP (MATERIAL #10025518):

Three inch (3") swivel belt loop (Model No. NTN8039B) D-rings.



37.0 RADIO STRAP (MATERIAL #10035729):

Leather T-strap (Model# 42D05836R06J).



EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

38.0 BODY ARMOR - SAFARILAND NIJ-06 OR DEPARTMENT APPROVED EQUALIVANT (MATERIAL #10048428):

NIJ-06 Concealment Vest – ABA Xtreme® HP02 Level II – Gender Neutral. Vest package includes XT-HP Level II vest, extra Xtreme® 2 carrier, 5x8 STP.



Test Standard	NIJ Standard: 0101.06
Model	NIJ: BA-2000S-HP02
Threat Type	II
Configuration	Unstructured
Armor Material	Twaron® Micro-laminate, Spectra Shield® 5128, Gold Shield® GN-2117, Spectra Shield® 5122, with Advanced Perimeter Stitching using Center Top Tac Stitching
Armor Panel Covering	2 ply, 70 Denier Textured Nylon with Urethane Back and Heat sealed Edges with Integrated Grip Loc™ Suspension System
Areal Density [lbs/ft²]	0.77
Thickness [inches] <i>ASTM Standard D1777-97</i>	.179
New V50 – 9 mm FMJ RN 124gr [ft/s]	1731
Conditioned V50 – 9 mm FMJ RN 124gr [ft/s]	1754
New V50 – 357 Mag JSP 158gr [ft/s]	1646
Conditioned V50 – 357 Mag JSP 158gr [ft/s]	1662
Backface Average – 9 mm	31.60
Backface Average – 357 Mag	34.37
Additional Special Threats have been Tested at USTL in accordance with Modified/Abbreviated NIJ 0101.06 Standard IAW Sec 7.8.2 unless otherwise specified.	
<ul style="list-style-type: none"> • Speer 357 Sig 125 Gr. GDHP – Tested Velocity 1375 fps ± 30 - No Perforations • Winchester 9mm 127Gr. +P+ SXT - Tested Velocity 1250 fps ± 30 fps - No Perforations • Federal 9mm 124Gr. + P HST - Tested Velocity 1250 fps ± 30 fps- No Perforations • Winchester 40 Cal. 165Gr. SXT - Tested Velocity 1140 fps ± 30 fps - No Perforations 	

EXHIBIT BB UNIFORM TECHNICAL SPECIFICATIONS

**39.0 BODY ARMOR – SAFARILAND CONCEALMENT VEST SCA SUMMIT™
SMF01 – LEVEL II (FEMALE) (MATERIAL #10048429):**

NIJ-06 Concealment Vest – SCA Summit™ SMF01 - Level II – Female. Vest package includes SMF01 Level II vest, extra Apex 2 carrier, 5x8 STP



Test Standard	NIJ Standard: 0101.06
Model	NIJ: BA-2000S-SM01F
Threat Type	II
Configuration	Structured
Armor Material	Core Matrix Technology™, Gold Shield® GN-2117 with Advanced Perimeter Stitching with Radial Offset Pleating™
Armor Panel Covering	Gore-Tex uses a 2.7oz/yds squared 70 Denier nylon textile laminated to Gore-Tex membrane/thermoplastic plaster with Heat sealed edges
Areal Density [lbs/ft²]	0.95
Thickness [inches] ASTM Standard D1777-97	0.308
New V50 – 9 mm FMJ RN 124gr [ft/s]	1770
Conditioned V50 – 9 mm FMJ RN 124gr [ft/s]	1768
New V50 – 357 Mag JSP 158gr [ft/s]	1724
Conditioned V50 – 357 Mag JSP 158gr [ft/s]	1752
Backface Average – 9 mm	21.87
Backface Average – 357 Mag	30.52
Additional Special Threats have been Tested at USTL in accordance with Modified/Abbreviated NIJ 0101.06 Standard IAW Sec 7.8.2 unless otherwise specified.	
<ul style="list-style-type: none"> • Winchester 9mm 127Gr.+ P + SXT - Tested Velocity 1250 ± 30fps – No Perforations – IAW Section 7.8.1- Shot to edge distance 2.0"- 2.75" • Federal 9mm 124Gr. + P HST - Tested Velocity 1250 ± 30fps – No Perforations – IAW Section 7.8.1- Shot to edge distance 2.0"- 2.75" • Speer 357 Sig 125Gr. Tested Velocity 1375 ± 30fps – No Perforations – IAW Section 7.8.1- Shot to edge distance 2.0"- 2.75" • Winchester .40 Cal 165Gr. SXT – Tested Velocity 1140 ± 30fps – No Perforations – IAW Section 7.8.1- Shot to edge distance 2.0"- 2.75" 	