

## SPECIFICATIONS – JULY 2010

### SFMTA ENFORCEMENT PURSUIT JACKET #5054AC (Waterproof Breathable) ITEM 17

**VENDOR:** MOCEAN, Inc. Costa Mesa, CA, or acceptable like alternate.

**STYLE:** #5054 "PURSUIT JACKET (waterproof breathable), or acceptable like alternate

#### DESCRIPTION

The Pursuit jacket is a two-part jacket that is hip length and features a Vest with a Short jacket zipped-on that zips-off to convert the Pursuit jacket into a separate Vest and Short Jacket. The Pursuit Jacket shell consists of Supplex® nylon that is laminated with a waterproof/breathable membrane. The jacket shell is fully lined and uninsulated. All exposed seams are factory sealed with seam tape. The Vest features a center front zipper with duel over-flaps, an inside zipper to accommodate an optional zip-in thermal liner, a back cape vent, reflective tape, two outside hand pockets, two inside waist pockets, a pen pocket with two pen slots, an under flap pen pocket, a hidden chest pocket, shoulder microphone keepers, a stand-up collar and a shirred waistband. The Short jacket is chest length and features a center front zipper, reflective tape, raglan shoulders, adjustable cuffs, a pen pocket with two pen slots, an inside pen pocket, a hidden chest pocket, shoulder microphone keepers and a tapered collar. The Pursuit Jacket design may be modified by adding to the Vest and/or Short Jacket; departmental emblems, patches or (IDENTIFICATION) across the back; and/or on the right front chest by adding a shield keeper and/or a nametape or a name tab keeper on the left front. Adding Sam Brown keepers to the waistband of the Vest or reflective piping to front and/or back seams of the Short Jacket and sleeve(s) may further modify the design. These modifications are available options.

#### FABRICS

##### Upper and Lower Shell Fabric:

Fabric:	100% Supplex® Nylon
Warp:	70 denier textured 34-filament nylon
Fill:	2-ply 70 denier 34 filament nylon
Construction:	160 x 72 Plain Weave
Laminate:	Polyether-ester block copolymer, monolithic hydrophilic film membrane
Finish:	Piece Dyed/Teflon® durable water-resistant (DWR) treatment

##### Shell Mesh Lining Fabric:

Fabric:	100% Coolmax® Polyester Mesh
Construction:	Warp Knit Tricot Mesh
Yarns:	50/24-denier Coolmax®
Width:	61/62 inch
Weight:	1.9 oz/yard <sup>2</sup>
Finish:	Piece Dyed

Jacket Liner Fabric:

Fabric: 100% Polyester  
Construction : Warp Knit Tricot  
Yarns: 50/24-denier polyester  
Width: 46 inches  
Weight: 1.9 oz/yard<sup>2</sup>  
Finish: Piece Dyed

Micro Fleece Pocket Fabric:

Fabric: 100% Spun Polyester Fleece  
Construction: Knit  
Yarns: Face: Spun Yarn 30 singles  
Stitch: 120 denier 34 filament polyester  
Width: 61/62 inch  
Weight: 9.5 oz/linear yard  
Finish: brushed and sheared face, brushed and sheared back/DWR

**THE PURSUIT JACKET**

**COLOR**

The shell fabric shall be available in a solid color or in a color-blocked combination in the following colors:

SFMTA-Enforcement Color Combination: Top: Royal Blue Bottom: Police Navy

The color may also be available in other established shades as set forth and agreed upon in approved specifications.

The color blocking of the Vest shall occur between the top half and lower bottom half of the Vest body. The color blocking (if chosen) of the Short jacket shall occur between the body of the Short Jacket with the top third of the sleeves and the lower third of the sleeves.

Upper shell fabric, when mentioned in the following text, shall assign the same fabric color of the upper half of the garment to the applicable component(s). Lower shell fabric, when mentioned in the following text, shall assign the same fabric color of the lower half of the garment to the applicable component(s).

The top stitch thread shall match the color of the shell fabric and the lining thread shall match the color of the lining.

The jacket mesh fabric, jacket liner fabric, micro fleece pocket fabric, zippers and hook and loop shall be black.

**REFERENCE SIZE**

All dimensions are based on size large (L).

**MEASUREMENTS**

All measurements are from a relaxed state, not stretched with zippers closed.

**VARIANCE**

All measurements are subjected to a variance of +/-1/2-inch.

## **STYLE**

MOCEAN Style #5054 – “The Pursuit Jacket” (waterproof/breathable), or acceptable like alternate

The Pursuit Jacket is a two-component jacket that is hip length and features an upper cape with attached sleeves(s) that together, zip-off to convert the jacket into a vest. The Vest features a center front zipper with duel over-flaps, an inside zipper to accommodate a zip-in thermal liner, reflective tape, a back cape vent, two outside hand pockets, two inside waist pockets, a outer pen pocket with two pen slots, an inner pen pocket, a hidden chest pocket, shoulder microphone keepers, a stand-up collar and a shirred waistband. The Short Jacket is chest length and features a center front zipper, reflective tape, raglan shoulders, adjustable cuffs, a pen pocket with two pen slots, an inside pen pocket, a hidden chest pocket, shoulder microphone keepers and a tapered collar.

## **THE VEST BODY**

### **VEST FRONT**

The Vest front shall consist of a left side and a right side and a front zipper track with overlapping storm flaps. Each side shall consist of an upper half piece and a lower half piece. The upper half, left and right pieces shall be made from upper shell fabric and the lower half, left and right pieces shall be made from lower shell fabric. The right side shall be of five-piece construction with a center front zipper set and a Short Jacket zipper flap. The left side shall be of six-piece construction with a pen pocket, a center front zipper set and a Short Jacket zipper flap. The upper right side shall be of one-piece construction (excluding storm flap and zipper set). The upper left side shall be of one-piece construction (excluding the pen pocket, storm flap and zipper set). The lower half of both sides shall be of two-piece construction (excluding storm flaps, zipper sets and pocket bags) and shall consist of a lower inside piece and a lower outside piece. The upper half piece and the lower half piece shall be surged and sewn with 5-thread over lock and topstitched ¼-inch gauge to form the horizontal front seam. The front length of the Vest shall measure no more than 2.5-inches long and the half chest (below the armhole opening) shall measure no more than 28-inches. The Vest front shall be fully lined.

### **VEST FRONT LINING**

The Vest front lining shall be made from 2-piece construction. There shall be a Vest upper front lining and a Vest lower lining pocket assembly piece. The Vest upper front lining piece shall be made from mesh lining fabric and a Vest lower lining pocket piece shall be made from assembled jacket liner fabric pieces. The top edge of the Vest upper front lining shall be surged and sewn with 5-thread over lock to the Vest inner collar piece and Vest upper back lining shoulder piece. The center front seam of the Vest upper front lining piece shall extend down 13-1/2 inches from the center front of the inner collar seam. The Vest lower pocket assembly piece shall extend 6-inches up from the waistband seam. The pocket assembly piece and the Vest upper front lining piece shall be surged and sewn with 5-thread over lock and top stitched ¼-inch gauge.

### **VEST FRONT ZIPPER SET**

There shall be a left and right zipper set piece that extends the length of the Vest front. The zipper set piece shall be made from lower shell fabric and shall finish no more than 1-1/4-inches wide. The zipper set piece shall be sewn between the center front seam and the Vest front zipper track.

### **VEST FRONT ZIPPER TRACK**

The front shall have a separating zipper closure. The zipper shall extend from the top of the collar to the bottom of the waistband and shall be sewn and topstitched 1-1/6-inch gauge to the Vest front zipper set. The zipper shall be concealed behind the left and right storm flaps.

## **VEST INNER ZIPPER TRACK**

Each front side shall have an in side zipper track to accommodate a zip-in liner. The edge of the zipper tape shall be edge-stitched 1/16-inch gauge to the front zipper. The zipper teeth shall face away (out) from the center front zipper. The inner zipper shall not rise above the collar & body seam. The slider shall be on the right front with the pull facing inward. The bottom and top ends of the zipper shall be backstitched. There shall be a left and right zipper facing made from lower front shell fabric. The zipper facing shall extend down from the collar & body seams and terminates in the Vest inner pocket seam. The zipper facing shell finish no more than 1-inch wide and no more than 10 ½-inches long.

## **VEST STORM FLAPS**

The left and right storm flaps shall cover the center front zipper track and run the center front length of the Vest shell. The left and right storm flaps shall be of two-piece construction. There shall be an upper half piece and a lower half piece. The upper half flaps shall be made from upper shell fabric and the lower half flaps shall be made from lower shell fabric. The upper half piece and the lower half piece shall be surged and sewn with 5-thread over lock and lined with a non-woven interlining during the sub-assembly. There shall be four pieces of Velcro® hook and loop tabs sewn to the storm flaps during the storm flap assembly. The hook tabs shall be sewn under the left side flap and the loop tabs shall be sewn on top of the right side flap. The Velcro® tabs shall measure 1-inch wide and no less than 3-inches long and be edge-stitched 1/16-inch gauge (vertically) in a neat and durable fashion to the storm flaps. The hook and loop tabs shall "mate" in the same measured location(s) on the storm flaps. The storm flap shall be folded and edge-stitched ¼-inch gauge in a neat and durable fashion. The assembled storm flaps shall be surged and sewn with 5-thread over lock to the (assembled) front pieces and the zipper set pieces and topstitched ¼-inch to the front piece to form the center seam. The left side storm flap shall overlap the right side storm flap and stay secured with the Velcro® hook and loop tabs. The storm flaps shall finish no more than 2 5/8-inches wide.

## **VEST/SHORT JACKET FRONT ZIPPER TRACK**

Each front side shall have a Short Jacket zipper track to accommodate the Short Jacket. The edge of the zipper tape shall be sewn into the seam of the upper half body piece and the storm flap/zipper set pieces. The zipper teeth shall face away (out) from the center front zipper. The Short Jacket zipper track shall extend down from the collar and body seam to the point no more than 1-inch above the horizontal front seam. The Short Jacket zipper slider shall be on the left front and close.

## **VEST/SHORT JACKET ZIPPER FLAPS**

There shall be a left and right Short Jacket zipper flap made from upper shell fabric. The Short Jacket zipper flap(s) shall extend down from the collar and body seams to the point of termination over the horizontal front seam. The flap shall be lined with a non-woven interlining during the sub-assembly. The top of the flap shall be mitered and the exposed edge, stitched ¼-inch gauge. The Short Jacket zipper flaps shall finish no more than 1-¼-inches wide and no more than 10-½ inches long and shall hang open to permit access to the Short Jacket zipper track.

## **VEST OUTSIDE HAND POCKETS**

There shall be two hand pockets on the lower front Vest. The pocket assembly shall be of two piece construction and the pocket opening shall be secured with a zipper closure. There shall be a top pocket piece and a bottom pocket piece. The lower inside Vest shell shall house the pocket bag. The pocket opening shall be formed between the lower Vest inside piece and the lower Vest outside piece. The pocket opening shall start no more than 2-inches i=down from the horizontal front seam. The lower edge of the pocket opening shall be more than 2-½-inches above the front waistband seam and more than 1-inch from the side seam. The upper edge of the pocket opening shall be no more than 8-½-inches above the front waistband seam and no more than 5-inches from the side seam. The pocket bag shall be no more than 9-inches deep at the center. The top pocket piece of the pocket bag shall be made from the micro fleece pocket fabric and the bottom pocket piece shall be made from the lower shell fabric. The inner track of the pocket zipper shall be sewn in a box fashion to the outer edge of the lower vest inside piece. The exposed edge of the top jacket liner fabric shall be folded under and topstitched 1/16-inches gauge to the zipper tape. The outer track of the pocket zipper shall be surged and sewn with 5-thread over lock to the inner edge of the Vest shell lower outside piece. The lower outside piece shall extend over the pocket zipper no more than 1-¾-inches and be folded to form the outside pocket flap.

## **VEST POCKET FLAPS**

There shall be flaps over the left and right outside hand pocket zippers. The flap shall be formed using the lower Vest outside piece. The pocket flap assembly shall extend down (diagonal) from the horizontal front seam down to the lower side seam and waistband to provide cover over the pocket opening. The flap shall be lined with a non-woven interlining during the sub-assembly. The flap assembly shall be folded and the exposed edge, stitched ¼-inch gauge and topstitched 1 3/4-inch gauge in a diagonal fashion to the zipper tape and the exposed inner Vest shell lower inside piece. The finished edge of the pocket storm flap shall remain open to permit access to the pocket zipper.

## **VEST INNER WAIST POCKETS**

There shall be two inner waist pockets under the lower front Vest. The pocket assembly shall be of two-piece construction and the pocket opening shall be secured with a zipper closure. There shall be a top pocket piece and a bottom pocket piece made from the jacket liner fabric. The pocket bag shall be housed under the lower Vest shell. The pocket opening shall be formed between the upper-front mesh lining seam and the lower Vest body and waistband seam. The pocket opening shall start no more than 1-inch from the center front zipper teeth and be no more than 6-inches above the bottom front waistband seam and 60 inches long. The pocket bag shall be approximately 6-inches deep at the center. The lower track of the pocket zipper shall be sewn in a box fashion to the upper edge of the top pocket piece. The exposed edge of the jacket liner fabric shall be folded under and topstitched 1/16-inch gauge to the zipper tape. The upper track of the pocket zipper shall be surged and sewn with 5-thread over lock to the bottom pocket piece and the upper-front mesh piece.

## **VEST CHEST POCKET**

There shall be a Vest chest pocket hidden under the left upper-Vest storm flap. The pocket assembly shall be of two-piece construction and the pocket opening shall be secured with a zipper closure. There shall be a top pocket piece and a bottom pocket piece made from jacket liner fabric. The pocket bag shall be housed under the left upper-Vest shell. The pocket opening shall be formed between the center front zipper tape and the center front zipper set piece. The pocket opening shall start no more than 6 1/2-inches below the top of the collar opening and 6-inches long. The pocket bag shall be no more than 6-inches deep at the bottom side. The inner edge of the top pocket piece shall be sewn in a box fashion to the outer edge of the Vest chest pocket zipper and folded and topstitched 1/16-inch gauge to the outer zipper tape. The inner edge of the bottom pocket and the exposed edge of the zipper set piece shall be folded and topstitched 1/16-inch gauge to the Vest center front zipper tape.

## **VEST OUTER PEN POCKET**

There shall be a pen pocket located on the upper left side of the Vest shell. The pocket assembly shall be of one-piece construction and the pocket opening shall remain open. The pen pocket shall be made from upper shell fabric. The pocket bag shall be formed between on the left upper Vest front shell. The top of the pocket shall be no more than 4-3/4 inches up from the horizontal front seam and the inner edge of the pocket assembly shall be no more than 4 ½-inches from the outer edge of the Vest storm flap. The side and bottom edges of the pocket assembly shall be folded under and topstitched 1/16-inch gauge to the left upper Vest front shell. There shall be a single needle top stitch running down the center length of the pen pocket, equally dividing it into two pen ports. The pocket opening shall finish 2-inches wide and each pen port shall finish 1-inch wide and 4 ½-inches deep. The pocket opening shall be folded and edge-stitched ¼-inch gauge and remain open.

## **VEST INNER PEN POCKET**

There shall be a pen pocket located on the right side zipper set piece. The pocket assembly shall be of one-piece construction and the pocket opening shall remain open. The Vest inner pen pocket shall be made from lower shell fabric. The pocket bag shall be formed between the upper Vest front zipper tape and the storm flap seam. The pocket opening shall start no more than 6 1/2 -inches below the top of the collar opening and is 1-inch wide. The pocket bag shall be no more than 4 ½-inches deep. The pocket opening shall be folded and edge-stitched ¼-inch gauge and accessible when the storm flaps are open.

## **VEST EPULETT**

There shall be an epaulet on each shoulder of the Vest. The epaulet shall measure 7/8-inch wide and shall be made from upper shell fabric. The epaulet shall be folded and finish clean with 4 top stitches that are sewn equidistant from edge to edge. The epaulet shall extend across the shoulder seam from the collar and body seam to the top of the armhole.

## **VEST COLLAR**

The Vest collar shall be of 2-piece construction. There shall be an inner collar piece and an outer collar piece. The outer collar shall be made from upper shell fabric and the inner collar shall be made from lower shell fabric. The collar shall be lined with a non-woven interlining during the sub-assembly. The collar assembly shall be sewn and topstitched to 1/16-inch gauge to the neck opening of the upper Vest body. The opening of the Vest collar shall finish even with the center front Vest seam. The Vest collar shall finish more than 4-inches high at the center front and no more than 4 ¾-inches high at the center back. The exposed edge of the collar shall be edge-stitched 1/16-inch gauge. The top of the collar opening shall finish no more than 10 ½-inches. There shall be a zipper sewn into the outer collar and body seam to accommodate the Short Jacket.

## **VEST BACK AND LINING**

The Vest back shell shall be made from 2-piece construction and the Vest back mesh lining shall be made from two-piece construction. There shall be a Vest upper cape shell piece made from upper shell fabric and a Vest lower back shell piece made from lower shell fabric. There shall be a Vest upper back lining piece and Vest lower back lining piece made from mesh lining fabric. The top edge of the Vest upper back lining piece shall be sewn to the Vest inner collar piece and Vest upper front lining shoulder seam. The Vest upper back lining piece shall extend down 10 ½-inches from the center of the inner collar seam. The lower back piece shall extend up 15 ½-inches from the waistband seam and shall be sewn and topstitched 1/16-inch gauge the lower edge of the Vest upper back lining piece. The back length shall measure no more than 28-inches long from the center collar seam to the bottom of the waistband. The Vest upper cape piece shall overlap the Vest lower back piece and hang open to form a back vent on the Vest.

## **VEST BACK CAPE VENT**

The Vest back cape vent shall be of 1-piece construction and fully lined with mesh lining fabric. The Vest upper cape piece shall be made from upper shell fabric. The outer edge of the cape vent arm eye shall be folded under and edge-stitched ¼-inch gauge to the Vest upper back mesh piece and finish clean. The upper cape shall extend down from the center collar seam 13-inches to overlap the lower back piece by 2 ½-inches and hang open.

## **VEST WAISTBAND**

The waistband shall be a separate piece and made from lower shell fabric. The waistband assembly shall consist of two-front tabs, 3-inches long and a continuous Shirred band. The waistband shall finish 1 ¾-inches wide and feature elastic that is enclosed in the waistband and Shirred in a three stitch, multi-needle chain stitch operation. The waistband shall be surged and sewn with 5-thread over lock around the bottom of the Vest body. The Vest waistband shall measure no less than 20-inches.

## **THE SHORT JACKET BODY**

### **SHORT JACKET FRONT**

The Short Jacket front shell shall consist of a left side front and right side front. The vest front shall be fully lined. The right side shall be of one-piece construction and the left side shall be of two-piece construction with a pen pocket. The front shall have a separating zipper closure. The zipper shall extend down from collar and cape body seam to 3 ¼-inches above the Short Jacket hem. The front length of the Short Jacket shall measure a minimum of 12 ½-inches long and the half chest (below the sleeve) shall measure a minimum of 25-inches. The Short Jacket body shall be sewn and topstitched ¼-inch gauge to the Short Jacket sleeves.

### **SHORT JACKET LINING**

The Short Jacket lining shall be of 7-piece construction. There shall be front lining, back lining, upper sleeve lining and cuff lining pieces. The front lining, back lining and upper sleeve lining pieces shall be made from mesh lining fabric and the cuff lining pieces shall be made from lower shell fabric. The top edge of the Short jacket front lining shall be surged and sewn with 5-thread over lock to the Short Jacket inner collar piece and Short Jacket upper back lining shoulder piece and extend down the edge of the Short jacket hem. The top edge of the Short jacket back lining shall be surged and sewn with 5-thread over lock to

the Short Jacket inner collar piece and Short Jacket upper back lining shoulder piece and extend down the edge of the Short Jacket hem. The Short Jacket body lining shall be surged and sewn with 5-thread over lock to the Short Jacket sleeve lining.

### **SHORT JACKET EPAULETT**

There shall be an epaulet on each shoulder of the Short Jacket. The epaulet shall measure 7/8-inch wide and shall be made upper shell fabric. The epaulet shall be folded with 4 top stitches that are sewn equidistant from edge to edge. The epaulet shall extend across the raglan shoulder seam between the front and upper back cape seams and no more than 2 ½-inches (o/c) down from the collar seam.

### **SHORT JACKET SLEEVES**

The sleeves shall be of a raglan design and three-piece construction. The top two-thirds of the sleeve shall be of two-piece construction and made from the upper shell fabric. The two pieces shall be surged and sewn 5-thread over lock and topstitched ¼-inch gauge. The bottom third of the sleeve shall be of one-piece construction and made from lower shell fabric. The two sleeve pieces shall be surged and sewn with 5-thread over lock and topstitched ¼-inch gauge. The sleeve assembly shall be surged and sewn with 5-thread over lock to the Short Jacket body. The sleeve shall measure 2 ½-inches wide at the collar seam and measure 36-inches long from the center back collar to the end of the cuff.

### **SHORT JACKET CUFF**

The Short Jacket cuff opening shall be adjustable. A 4-1/2 by 1-1/2-inch piece of Velcro® loop shall be sewn to the outside of the sleeve near the hem ½-inch up from the cuff hem and 3-inches from the closing seam. There shall be a tab made from lower shell fabric. The tab shall be sewn into the under sleeve seam at the hem of the sleeve and measure 4-inches long. The tab shall be stitched turned and topstitched ¼-inch gauge and tapered from 2 ½-inches at the under sleeve seam to 2-inches to the finished edge of the tab. A 3 by 1 ½-inch piece of Velcro® hook tape shall be sewn to the underside of the tab. The cuff opening shall measure no more than 7 ¼-inches wide. The cuff shall be lined with lower shell fabric.

### **SHORT JACKET LINING**

The Short Jacket sleeve cuff lining shall be made from 1-piece construction. The cuff-lining piece shall be made from lower shell fabric. The cuff lining piece shall extend up 4 ½-inches to the upper sleeve lining piece. The top edge of the cuff-lining piece shall be surged and sewn with 5-thread over lock to the upper sleeve-lining piece. The lower edge of the cuff lining piece shall be folded and edge-stitched ¼-inch gauge to the cuff opening of the Short Jacket shell. The cuff opening shall be adjusted by a hook and loop system.

### **CUFF OPENING ADJUSTERS**

The Short Jacket cuff openings shall be adjustable via an adjuster system on each sleeve. The cuff adjuster system shall be made from two components: the cuff hook tab and the cuff loop tape. The cuff hook tab shall be of one-piece construction and made from lower shell fabric. The cuff tab shall be interlined with a non-woven, non-fused material and folded and edge stitched ¼-inch gauge. The width of the tab shall be tapered from 2 ½-inches at the under sleeve seam to 2-inches to the finished edge and shall finish no more than 4-inches long. There shall be a 3-inches x 1 ½-inches piece of hook tape sewn and topstitched 1/16-inch gauge to the underside of the tab. The finished tab shall be sewn into the under sleeve seam at the bottom of the sleeve. There shall be a 4 ½-inches x 1 ½-inches piece of loop tape sewn to the top of the sleeve shell fabric ½-inch from the cuff hem and 3-inches from the closing seam. With the cuff opening fully opened, the cuff tab hook tape and the cuff loop take shall mate by no more than ¼-inch.

### **SHORT/JACKET PEN POCKET**

There shall be a pen pocket located on the left Short Jacket zipper facing. The pocket assembly shall be of one-piece construction and the pocket opening shall remain open. The Short Jacket pen pocket shall be made from lower shell fabric. The pocket bag shall be formed between the center front zipper tape and the front lining mesh piece. The pocket opening shall be no more than 4 ½-inches below the top of the Short Jacket collar opening and ½-inch wide. The pocket bag shall be no more than 4 ½-inches deep. The pocket opening shall be folded and edge-stitched ¼-inch gauge and accessible when the Short Jacket center front zipper is open.

## **SHORT/JACKET CHEST POCKET**

There shall be a chest pocket on the left zipper facing of the short jacket. The pocket assembly shall be of two-piece construction and the pocket opening shall be secured with a zipper closure. There shall be a top pocket piece and a bottom pocket piece made from jacket liner fabric. The pocket bag shall be housed under the left-front Short Jacket shell. The pocket opening shall be formed between the center front zipper tape and the center front zipper facing. The pocket opening start no more than 4-inches below the top of the collar opening and 6-inches long. The pocket bag shall be no more than 6-inches deep at the bottom side. The inner edge of the bottom pocket piece shall be sewn in a box fashion to the outer edge of the Short Jacket chest pocket zipper and folded and topstitched 1/16-inch gauge to the outer zipper tape. The inner edge of the top pocket and the exposed edge of the zipper facing shall be folded and topstitched 1/16-inch gauge to the Short Jacket center front zipper tape.

## **SHORT JACKET COLLAR**

The Short Jacket collar shall be of 2-piece construction. There shall be an inner collar piece and an outer collar piece. The outer collar shall be made from upper shell fabric and the inner collar shall be made from lower shell fabric. The collar shall be lined with a non-woven interlining during the sub-assembly. The collar assembly shall be sewn and topstitched 1/16-inch gauge to the neck opening of the upper Short Jacket body. The opening of the Short Jacket collar shall finish even with the center front Short Jacket seam. The Short Jacket collar shall taper down to the center front opening from a point on the center back of the collar that is no higher than 2 1/2-inches. The exposed edge of the collar shall be edge-stitched 1/16-inch gauge. The top of the collar opening shall finish no more than 9 1/2-inches. There shall be a zipper sewn into the inner collar and Short Jacket-lining seam.

## **PURSUIT JACKET CONSTRUCTION COMPONENTS**

### **REFLECTIVE MATERIAL**

The reflective material shall consist of a highly reflective, durable material that a minimum R (coefficient of retro reflection) of 500 candelas per lux per square meter ( $\text{cd} - \text{lx}^{-1} - \text{m}^{-2}$ ), measured by retro reflective intensity testing procedures ASTM E809 and E810. This is the (high) industry standard of 3M™ Scotchlite™ Reflective Transfer film 8710 (@ 500  $\text{cd} - \text{lx}^{-1} - \text{m}^{-2}$ ). The material shall meet or exceed EN471 laundry standards and be able to withstand rigorous home laundry washings. The reflective material shall be sewn and topstitched 1/16-inch gauge to 1-inch nylon grosgrain tape or heat transferred to 1-inch nylon grosgrain tape. The reflective material shall be sewn on both the Vest body and the Short Jacket body. On the Vest, the grosgrain tape with reflective material shall be sewn and single needle topstitched 1/16-inch gauge at the upper body and lower body seams. On the Short Jacket, the grosgrain tape with reflective material shall be sewn and single needle topstitched 1/16-inch gauge around the hem.

### **ZIPPERS**

The Vest front zipper shall be a separating, YKK Vision plastic tooth type, size 5 or equivalent. The zipper shall have a single slider and locking pull. The tape shall measure 5/8-inch wide. The zipper shall be 25-inches long.

The Vest inner zipper shall be a separating, YKK Vision plastic tooth type, size 5 or equivalent. The zipper shall have a single, reversible slider and locking pull. The slider shall be placed on the right side. The tape shall measure 5/8-inch wide. The zipper shall be 20-inches long.

The Vest hand pocket zippers shall be YKK coil plastic tooth type size 4.5 or equivalent. The zipper shall have a single slider and locking pull. The tape shall measure 5/8-inch wide. The zippers shall be 8-inches long and closed at both ends.

The Vest Short Jacket zipper shall be separating YKK coil plastic tooth type size 4.5 or equivalent. The zipper shall have a single slider and pull. The slider shall be placed on the left side. The tape measure 5/8-inch wide. The zipper shall measure 10-inches long.



The Vest inner waist pocket zippers shall be YKK coil plastic tooth type size 2.5 or equivalent. The zipper shall have a single slider and "tear drop", non-locking pull. The tape shall measure 5/8-inch wide. The zipper shall be 6-inches long and closed at both ends.

The Vest chest pocket zipper shall be YKK coil plastic tooth type size 2.5 or equivalent. The zipper shall have a single slider "tear drop", non-locking pull. The tape shall measure 5/8-inch wide. The zipper shall be 6-inches long and closed at both ends.

The Vest/Short Jacket neck zipper shall be a separating YKK coil plastic tooth type size 4.5 or equivalent. The zipper shall have a single slider and pull. The slider shall be placed on the Short Jacket. The tape shall measure 5/8-inch wide. The zipper shall measure 10-inches long.

The Short Jacket front zipper shall be a separating YKK coil plastic tooth type size 4.5 or equivalent. The zipper shall have a single slider and pull. The slider shall be placed on the right side. The tape shall measure 5/8-inch wide. The zipper shall measure 10-inches long.

The Short Jacket chest pocket zipper shall be YKK coil plastic tooth type size 2.5 or equivalent. The zipper shall have a single slider and pull. The slider shall be placed on the right side. The tape shall measure 5/8-inch wide. The zipper shall measure 10-inches long.

The Short Jacket chest pocket zipper shall be YKK coil plastic tooth type size 2.5 or equivalent. The zipper shall have a single slider and "tear drop", non-locking pull. The tape shall measure 5/8-inch wide. The zipper shall be 6-inches long and closed at both ends.

## **SEAMS AND STITCHING**

All construction stitching shall be surged and sewn with 5-thread over lock.

All topstitching, except the waistband stitching, shall be lock stitch type 301.

The Vest zipper assemblies, pen pocket assemblies, epaulet edges, top collar edge and lower collar seam shall be single-needle topstitched or edge stitched 1/16-inch gauge.

The Vest shoulder seams, arm eyes, front waistband tabs, zipper flaps, chin guard, inner waist pockets and inner collar/body seam shall be single-needle topstitched or edge 1/4-inch gauge.

The Short Jacket zipper assemblies, pen pocket assemblies, epaulet edges, top collar edge, lower collar seam and hem shall be single-needle topstitched or edge 1/4-inch gauge.

The Short Jacket body/sleeve seams, zipper flaps, cuff edges, cuff tab edges and inner collar/body seam shall be single-needle topstitched or edge 1/4-inch gauge.

## **THREAD**

All construction thread shall be minimum size Tex 27 or 50/2.

All top stitch thread shall be minimum size Tex 40 or 30/2.

## **SIZES**

The Pursuit Jacket shall be available in the following sizes: XS-5X.

## **LABELS**

Manufacturer's label shall be sewn on the exterior of the Vest left waistband tab. Manufacturer's label and size label shall be sewn into the center of the inner Vest and Short Jacket collar. Fabric content and care instructions, manufacturer's identification and P/N shall be sewn into the inside seam of the lower Vest body.

## **ADDED FEATURES – SFMTA-ENFORCEMENT**

1. Additional Silver Reflective 3M Piping is to be installed in the front and back raglan sleeves of the Zip-Off Bolero
2. SFMTA ENFORCEMENT Logo is screened on the back of the Bolero and Vest in 3M Reflective Ink.
3. A Badge Holder is affixed to the left front chest of both the Bolero and Vest above the Pent Ports.
4. SAN FRANCISCO PARKING AND TRAFFIC Enforcement Patches are sewn on each upper sleeve of the Bolero.