



## Specifications for Tennessee Highway Patrol (THP) Uniforms **V2**

### **PURPOSE:**

The Tennessee Highway Patrol (THP), a Division within the Tennessee Department of Safety and Homeland Security (TDOSHS), is seeking to establish a new five (5) year contract to provide uniforms for commissioned personnel.

### **CONTRACTOR REQUIREMENTS (see also Additional Considerations):**

The Contractor shall certify that all items furnished shall conform to the specifications and shall replace all items that fail to meet the requirements of these specifications at no additional costs to the State.

### **Shirts, Long Sleeve, Male, Dept. of Safety and Homeland Security, Uniform**

#### **MATERIAL:**

FABRIC USED SHALL BE TEXTILE IMPORT CORPORATION.

STYLE/COLOR: SUN TAN, STOCK DYED.

CONTENT: 74% DACRON POLYESTER / 24% WOOL / 2% LYCRA.

WEIGHT: 9-9.5 OZ PER LINEAR YARD

MODEL: 3512943PT-3 **OR TIC3512943PFN-3 with PFAS Free**

FINISH: NANOTEX

FABRIC MUST MEET A MINIMUM PILLING RATING OF 4.0 OR GREATER.

SHOULDER STRAPS AND POCKET FLAPS TO BE TEXTILE IMPORT CORPORATION.

MATERIAL SHALL BE SAME MATERIAL AND WEIGHT OF TROUSERS.

CONTENT: 74% DACRON POLYESTER / 24 % WOOL / 2% LYCRA.

EACH GARMENT MUST BEAR A CLOTH LABEL PATCH WHICH GUARANTEES THAT THE FABRIC IS TEXTILE IMPORT CORPORATION

#### **STYLE:**

THE SHIRT SHALL BE STANDARD MILITARY STLE WITH A SEMI TAPERED PATTERN. PERMANENT PINTUCK STITCHED MILITARY CREASES, TWO (2) FRONT; THREE (3) BACK. THERE SHALL BE FOUR (4) BANDS OF SILICONE 3 1/8" X 9/16" SEWN INTO THE BOTTOM OF THE SHIRT 2" FROM THE BOTTOM AND 1/4" ON THE INSIDE OF THE OUTER CREASES DESIGNED TO WORK WITH THE CORRESPONDING spud PANT WAISTBAND FOR MAXIMUM SHIRT RETENTION (SRS SHIRT RETENTION SYSTEM). THERE SHALL BE A DIAMOND MESH INSERT UNDER EACH ARM.

**STYLE (CONT.):**

SHIRT SHALL HAVE PLACKET FRONT, DRESS TAIL, FULL CUT TAPERED FIT, BANDED COLLAR, AND LONG SLEEVES WITH BARREL CUFFS. TWO (2) PLEATED BREAST POCKETS WITH CONTRASTING SCALLOPED FLAPS AND SHOULDER STRAPS. FULL BADGE REINFORCEMENT. MATCHING INSIDE YOKE OF HIGH LUSTER POLY TWILL.

SHIRTS SHALL BE SHAPED AT SIDE SEAMS. LENGTH OF SHIRT SHALL BE MINIMUM 33" FOR SIZE 16.5, MEASURED AT THE BACK FROM THE BOTTOM OF THE COLLAR TO THE BOTTOM OF THE SHIRT, THEN GRADUATE 1/8" PER NECK SIZE.

CHEST: 50"; WAIST: 47-1/2"; GRADUATION: 2" ON EACH POINT OF MEASUREMENT. BOTTOM SHALL BE HEMMED.

**COLLAR:**

COLLAR POINTS SHALL BE MEDIUM SPREAD APPROXIMATELY 3" IN LENGTH. THE OUTSIDE EDGE OF THE COLLAR SHALL BE STITCHED WITH A 1/4" EDGE STITCH. THE COLLAR WIDTH AT THE BACK OF THE NECK SHALL BE A MINIMUM OF 1 1/2". THE INSIDE COLLAR SHALL BE MADE OF A SATEEN FABRIC FOR COMFORT. THERE SHALL BE A COLLAR STAY SEWN INSIDE THE COLLAR ALONG THE BOTTOM EDGE OF EACH COLLAR TO HOLD THE COLLAR SHAPRE AND STILL ALLOW THE ATTACHMENT OF COLLAR BRASS. THERE SHALL BE HIDDEN TRIANGLE COLLAR BUTTON-DOWN TABS SEWN UNDERNEATH EACH COLLAR POINT APPROXIMATELY 1" WIDE (AT THE ATTACHMENT POINT) AND 7/8" LONG. THESE TABS SHALL ATTACH TO HIDDEN DURABLE LIGNE 14 BUTTONS WHICH ARE USED TO KEEP THE COLLAR SECURE.

**FRONT:**

THE LEFT FRONT SHALL HAVE A CENTER PLACKET 1 1/2" WIDE WITH TWO ROWS OF STITCHES 7/8" APART. THE BUTTON STAY FRONT SHALL HAVE FIVE (5) VERTICAL EYELETS AND ONE (1) 24-LIGNE MELAMINE BUTTON ON THE BOTTOM TO CORRESPOND TO THE BOTTOM BUTTONHOLE. THERE SHALL BE FIVE (5) TACKS BETWEEN THE BUTTON EYELETS TO SECURE THE PROTECTIVE PIECE BEHIND THE FRONT, FOUR (4) TACKS AND EYELETS SHALL BE SEWN THROUGH THE ZIPPER TAPE AND THE FRONT TO ALLOW FOR FUNCTIONAL BUTTONS AFTER THE ZIPPER IS CLOSED. THE BUTTONHOLE FRONT SHALL HAVE SIX (6) 11/16" BUTTONHOLES TO ACCOMMODATE FIVE (5) 24-LIGNE METAL BUTTONS AND ONE (1) MELAMINE BUTTON. SPACING BETWEEN EYELETS AND BUTTONHOLES SHALL BE 3 3/4" EXCEPT THE SPACING BETWEEN THE NECK BUTTON AND THE FIRST EYELET ON THE FRONT WHICH SHALL BE APPROXIMATELY 3 1/4". CENTER PLACKET SHALL BE INTERLINED WITH #550 STABILIZED MELLO-PRESS OR EQUAL. A 15" NYLON ZIPPER SHALL BE SET BELOW THE TOP BUTTONHOLE EYELET AND BUTTONHOLE SHALL ACCOMPLISH FRONT CLOSURE. THE NECK AND BOTTOM BUTTONS SHALL BE ATTACHED TO THE RIGHT FRONT. THE BALANCE OF THE RIGHT FRONT SHALL HAVE SEWN VERTICAL EYELETS THROUGH ZIPPER TAPE AND PROTECTIVE STRIP ONLY UNDER EYELETS TO ALIGN WITH FUNCTIONAL BUTTONHOLES ON LEFT FRONT. THE PLACKET SHALL BE SMOOTH WITHOUT TWISTS OR PUCKERS.

**YOKE:**

POINTED BACK YOKE OF DOUBLE THICKNESS SHALL FINISH 4" IN DEPTH AT THE CENTER POINT. YOKE SHALL BE ¼" DOUBLE NEEDLE TOPSTITCHED TO THE BACK. INSIDE YOKE SHALL BE CUT STRAIGHT AND MADE OF HIGH LUSTER POLY TWILL. TOLERANCE FOR YOKE DEPTH SHALL BE +/- ¼".

**SLEEVES & SHOULDER INSIGNIA/PATCH:**

LONG SLEEVES, ELBOW PATCH, BANJO DESIGN; ELBOW REINFORCEMENT SHALL NOT EXTEND INTO THE SLEEVE-CLOSING SEAM. LOWER FACING SHALL MEASURE APPROXIMATELY ½" WIDE. CUFFS SHALL HAVE TWO (2) HORIZONTAL EYELETS TO ACCOMMODATE 24-LIGNE REMOVABLE METAL BUTTONS AND CORRESPONDING BUTTONHOLES SET VERTICALLY ON THE CUFFS. CUFFS SHALL HAVE WOVEN INTERLINING OF #550 STABILIZED MELLO-PRESS OR EQUAL. CUFFS SHALL BE 3" IN DEPTH WITH ROUNDED CORNERS (BARREL CUFFS).

BANJO PATCH MEASUREMENTS ARE 12" TALL X 5 ¼" AT WIDEST POINT. TOLERANCE FOR THE BANJO PATCH IS +/- ¼".

SHOULDER INSIGNIA/PATCH TO BE ON BOTH LEFT & RIGHT SLEEVES AND PLACED ½" BELOW SLEEVE EDGE SEAMHEADS. TOLERANCE IS +/- ¼".

BACKGROUND OF INSIGNIA/PATCH SHALL BE OF SAME MATERIAL AS BODY OF GARMENT ON A CRINOLINE BACKING. THE SEAL OF THE STATE OF TENNESSEE IN CENTER WORKED IN YELLOW RAYON THREAD WITH THE OUTLINE OF THE STATE OF TENNESSEE (MAP DRAWING) SUPERIMPOSED IN DARK RED RAYON THREAD, RED BLOCK LETTERS SHALL BE EQUALLY SET AT TOP AND BOTTOM OF SHIELD TO RUN CIRCULAR. PATCH BORDER SHALL BE STITCHED IN TAN LUSTER THREAD.

**VENDOR WILL BE REQUIRED TO PROVIDE A PATCH ACCEPTABLE TO THE DEPARTMENT OF SAFETY AND HOMELAND SECURITY. SAMPLE SHALL BE DELIVERED WITHIN THIRTY (30) BUSINESS DAYS AFTER RECEIPT OF FABRIC.**

ROBISON-ANTON SUPER STRENGTH RAYON COLOR NUMBERS ARE AS FOLLOWS: YELLOW 2560, RED 2378, DARK RED 2252, TAN 2474 OR EQUAL.

SHOULDER INSIGNIA/PATCH TO BE 3.5" WIDE AND 4.0" HIGH, (+ OR -) 1/16". PATCHES THAT EXCEED THESE DIMENSIONS CANNOT BE USED WITH RANK INSIGNIA AND WILL NOT BE ACCEPTED BY REQUESTING AGENCY.

**VENDOR SHALL PROVIDE AN EXAMPLE OF THE INSIGNIA/PATCH TO THE DEPARTMENT OF SAFETY AND HOMELAND SECURITY FOR APPROVAL, FOLLOWING AWARD, WITHIN THIRTY (30) BUSINESS DAYS AFTER RECEIPT OF FABRIC.**

## **SLEEVES & SHOULDER INSIGNIA/PATCH (CONT.):**

**AWARDED VENDOR WILL BE REQUIRED TO PROVIDE THE APPROVED INSIGNIA/PATCH AND SEW ON THE INSIGNIA/PATCH.**

### **MILITARY CREASES:**

FIVE (5) STITCHED IN SHARP MILITARY CREASES ON ALL SHIRTS. ONE CREASE ON EACH FRONT TO BE CENTERED VERTICALLY (NOT THROUGH POCKETS OR FLAPS). SPACING FOR THREE (3) MILITARY CREASES ON SHIRT BACK SHALL BE PROPORTIONATE TO THE SIZE OF THE SHIRT.

EACH SLEEVE SHALL HAVE A PRESSED IN CREASE, NOT THROUGH SHOULDER INSIGNIA, FROM SHOULDER SEAM TO THE TOP OF THE CUFF.

### **BUTTONS:**

REGULATION 24-LIGNE REMOVABLE METAL LONG SHANK BUTTON.

FIRST GRADE 24-LIGNE MELAMINE BUTTONS. EACH SHIRT SHALL HAVE TWO (2) WELL-SEWN BUTTONS. ONE BUTTON ON THE COLLAR BAND AND ONE BUTTON AT THE BOTTOM OF THE SHIRT FRONT.

### **BUTTONHOLES & EYELETS:**

BUTTONHOLES & EYELETS SHALL BE DESIGNED TO ACCOMMODATE 24-LIGNE REMOVABLE METAL LONG SHANK BUTTONS FASTENED WITH TOGGLES THROUGH EYELET HOLES. ALL EYELETS, EXCEPT FOR THE EYELETS ON THE POCKETS, SHALL BE BACKED WITH GOOD GRADE CLOTH PROTECTIVE PIECES TO SHIELD THE WEARER FROM THE TOGGLES AND NOT BE VISIBLE WHEN SHIRT IS PRESSED AND WORN. EYELETS SHALL BE 1/8" LONG.

HOLES AND EYELETS SHALL BE EQUALLY SPACED ON FRONT FOR FIVE (5) 24-LIGNE METAL BUTTONS, ONE (1) 24-LIGNE MELAMINE BUTTON BOTTOM, ONE 24-LIGNE MELAMINE BUTTON ON COLLAR BAND; TWO (2) METAL BUTTONS FOR POCKETS; TWO (2) METAL BUTTONS FOR SHOULDER STRAPS AND TWO (2) BUTTON-HOLES AND EYELETS FOR EACH CUFF.

HOLES AND EYELETS SHALL BE SEWN VERTICALLY ON FRONT AND POCKETS AND FLAPS AND HORIZONTALLY ON THE SHOULDERS AND SHOULDER STRAPS AND CUFFS.

### **POCKETS:**

TWO (2) BREAST POCKETS WITH MITERED CORNERS AND 1 1/2" VERTICAL BOX PLEAT IN CENTER. PLEAT SHALL BE STITCHED TOP AND BOTTOM AND FULL LENGTH OF PLEAT TO PREVENT SPREADING. PATCH POCKETS SHALL MEASURE 6" DEEP AND 5 5/8" WIDE. POCKETS SHALL BE SET TO SHIRT FRONT WITH A 1/4" DOUBLE NEEDLE STITCHING. LEFT BREAST POCKET SHALL HAVE 1 1/2" PENCIL STITCH, +/- 1/8", TO BE MEASURED FROM THE INSIDE OF THE DOUBLE STITCHED POCKET TO RUN ENTIRE DEPTH OF PATCH POCKET. EACH POCKET SHALL HAVE

**POCKETS (CONT.):**

HOOK VELCRO  $\frac{3}{4}$ " LONG BY  $\frac{1}{2}$ " WIDE, POSITIONED ON BOTH EDGES OF POCKET TO CORRESPOND WITH OUTER SCALLOPED FLAP POINTS AS SPECIFIED. VELCRO SHALL BE STITCHED ON ALL SIDES AND SHALL BE SEWN THROUGH POCKET AND SHIRT FOR ADDED REINFORCEMENT. EACH POCKET SHALL HAVE A VERTICAL EYELET TO ACCOMMODATE A 24-LIGNE REMOVABLE METAL BUTTON. POCKETS SHALL BE LEVEL FROM LEFT FRONT TO RIGHT FRONT.

SHALL HAVE TWO (2), THREE POINTED, SCALLOPED FLAPS TO FINISH 5  $\frac{7}{8}$ " WIDE (+/-  $\frac{1}{8}$ " ), 2  $\frac{3}{4}$ " IN DEPTH AT CENTER POINT AND 2  $\frac{1}{4}$ " IN DEPTH AT SIDES. FLAP SHALL BE PLACED  $\frac{3}{8}$ " ABOVE PATCH POCKET AND EACH FLAP SHALL BUTTON TO PATCH POCKET WITH ONE (1) 24-LIGNE REMOVABLE METAL BUTTON. FLAPS SHALL BE FORESTRY GREEN AS DESIGNATED. FLAP MATERIAL SHALL BE DOUBLED FOR BODY AND NEAT LAY DOWN APPEARANCE. SCALLOPED FLAPS SHALL BE INTERLINED WITH #550 STABILIZED MELLO-PRESS OR EQUAL. UNDERSIDE OF THE FLAP SHALL HAVE LOOPED VELCRO  $\frac{3}{4}$ " LONG BY  $\frac{1}{2}$ " WIDE, STITCHED ON ALL SIDES, POSITIONED ON OUTER POINTS OF BOTH POCKET FLAPS TO SECURE WITH CORRESPONDING VELCRO STRIPS ON SHIRT POCKET. EACH FLAP SHALL HAVE A BUTTONHOLE TO ACCOMMODATE A 24-LIGNE REMOVABLE METAL BUTTON. FLAP SHALL BE MADE OF TWO (2) PIECES.

LEFT FLAP SHALL HAVE INVISIBLE PENCIL OPENING 1  $\frac{1}{2}$ " WIDE FROM RIGHT EDGE OF POCKET TO CORRESPOND PRECISELY WITH PENCIL SLOT OF PATCH POCKET. FLAP OPENING SHALL ACCOMMODATE TWO (2) PENCILS.

**BADGE PATCH:**

TWO-PLY SLING SHALL BE THE SAME COLOR AND MATERIAL AS SHIRT. SLING SHALL BE APPROXIMATELY 1" WIDE AND STITCHED TO SHOULDER SEAM AND FLAP SETTING STITCH. SLING SHALL HAVE TWO (2) ROUND EMBROIDERED EYELETS LOCATED  $\frac{3}{4}$ " FROM TOP OF LEFT POCKET FLAP AND SPACED 1  $\frac{1}{2}$ " APART FROM CENTER TO CENTER AND CENTERED ON THE SLING. SLING LOCATION SHALL BE ON THE INSIDE OF SHIRT.

**SHOULDER STRAPS:**

STRAPS SHALL BE SET ON TOP OF SLEEVE SEAM AND CROSS-STITCHED TO SHOULDER TO A DISTANCE OF 2  $\frac{1}{4}$ " FROM SLEEVE SEAM. TOLERANCE FOR DISTANCE IS +/-  $\frac{1}{8}$ ". (MEASURING IN THE CENTER OF THE STRAP IS 2" FROM STRAIGHT END TO THE INNER MOST STITCH LINE).

STRAPS SHALL BE 2" WIDE AT SLEEVE EDGE AND TAPERING TO 1  $\frac{5}{8}$ " AT END. STRAPS SHALL BE POINTED AND SHALL BE NOT MORE THAN  $\frac{1}{2}$ " FROM COLLAR SEAM AND SHALL HAVE A BUTTONHOLE WITH A HORIZONTAL EYELET ON THE SHOULDER OF THE SHIRT TO ACCOMMODATE 24-LIGNE REMOVABLE METAL BUTTON. SHOULDER

**SHOULDER STRAPS (CONT.):**

STRAPS SHALL BE FORESTRY GREEN AS DESIGNATED. STRAP MATERIAL SHALL BE DOUBLED FOR BODY AND NEAT LAY DOWN APPEARANCE.

TOLERANCE +/- 1/4". SHOULDER STRAPS SHALL NOT BE INTERLINED.

**SEWING:**

SHALL HAVE 1/4" DOUBLE NEEDLE STITCHING THROUGHOUT EXCEPT FOR THE TOP CENTER PLACKET. ALL TOPSTITCHED 1/4" DOUBLE NEEDLE OFF THE EDGE. SLEEVE INSERTING AND SIDE CLOSE FELLING 1/4" DOUBLE NEEDLE STITCHED. ALL SEWING THREADS SHALL BE COLOR FAST POLYESTER WRAP TO MATCH.

**SIZES:**

EACH SHIRT SHALL BEAR A PERMANENT APPROPRIATE SIZE MARKING. LABEL SHALL BE SEWN ON THE BOTTOM FRONT OF SHIRT. LABEL SHALL IDENTIFY MANUFACTURER, SIZE, MATERIAL BLEND AND CARE INSTRUCTIONS. LETTER AND/OR NUMBERS SHALL BE MACHINE IMPRINTED ON LABEL.

SIZES TO BE SPECIFIED ON PURCHASE ORDER BY BUYER

**PACKAGING:**

SHIRT SHALL BE INDIVIDUALLY POLYBAGGED AND PACKED WITH LIKE SIZES FOR SHIPPING.

SHIPPING CARTON SHALL BE MARKED ON THE OUTSIDE WITH THE QUANTITY AND SIZES THEY CONTAIN.

**Shirts, Long Sleeve, Female, Dept. of Safety and Homeland Security, Uniform**

**MATERIAL:**

FABRIC USED SHALL BE TEXTILE IMPORT CORPORATION.  
STYLE/COLOR: SUN TAN, STOCK DYED  
CONTENT: 74% DACRON POLYESTER / 24% WOOL / 2% LYCRA.  
WEIGHT: 9-9.5 OZ PER LINEAR YARD  
MODEL: 3512943PT-3 OR TIC3512943PFN-3 with PFAS Free  
FINISH: NANOTEX

FABRIC MUST MEET A MINIMUM PILLING RATING OF 4.0 OR GREATER.

SHOULDER STRAPS AND POCKET FLAPS TO BE TEXTILE IMPORT CORPORATION. MATERIAL SHALL BE SAME MATERIAL AND WEIGHT OF TROUSERS.

CONTENT: 74% DACRON POLYESTER / 24% WOOL / 2% LYCRA.

EACH GARMENT MUST BEAR A CLOTH LABEL PATCH WHICH GUARANTEES THAT THE FABRIC IS TEXTILE IMPORT CORPORATION.

**STYLE:**

SHIRT SHALL BE STANDARD MILITARY STYLE WITH A SEMI TAPERED PATTERN. PERMANENT PINTUCK STITCHED MILITARY CREASES, TWO (2) FRONT; THREE (3) BACK. THERE SHALL BE FOUR (4) BANDS OF SILICONE 3 1/8" X 9/16" SEWN INTO THE BOTTOM OF THE SHIRT 2" FROM THE BOTTOM AND 1/4" ON THE INSIDE OF THE OUTER CREASES DESIGNED TO WORK WITH THE CORRESPONDING SPUD PANT WAISTAND FOR MAXIMUM SHIRT RETENTION (SRS SHIRT RETENTION SYSTEM). THERE SHALL BE A DIAMOND MESH INSERT UNDER EACH ARM.

SHIRT SHALL HAVE PLACKET FRONT, DRESS TAIL, FULL CUT TAPERED FIT, BANDED COLLAR AND LONG SLEEVES WITH BARREL CUFFS. TWO (2) PLEATED BREAST POCKETS WITH CONTRASTING SCALLOPED FLAPS AND SHOULDER STRAPS. FULL BADGE REINFORCEMENT. MATCHING INSIDE YOKE OF HIGH LUSTER POLY TWILL.

SHIRTS SHALL BE SHAPED AT SIDE SEAMS. LENGTH OF SHIRT SHALL BE MINIMUM 29" ON ALL SIZES MEASURED AT THE BACK FROM THE BOTTOM OF THE COLLAR TO THE BOTTOM OF THE SHIRT. BOTTOM TO BE HEMMED.

TOLERANCE IS +/- 1/2".

WOMEN'S SIZE 10-CHEST 42", WAIST 38 1/4", GRADUATION: 2" ON EACH POINT OF MEASUREMENT.

**COLLAR:**

COLLAR POINTS SHALL BE MEDIUM SPREAD APPROXIMATELY 3" IN LENGTH. THE OUTSIDE EDGE OF THE COLLAR SHALL BE STITCHED WITH A 1/4" EDGE STITCH. THE COLLAR WIDTH AT THE BACK OF THE NECK SHALL BE A MINIMUM OF 1 1/2". THE INSIDE COLLAR SHALL BE MADE OF A SATEEN FABRIC FOR COMFORT. THERE SHALL BE A COLLAR STAY SEWN INSIDE THE COLLAR ALONG THE BOTTOM EDGE OF EACH COLLAR TO HOLD THE COLLAR SHAPE AND STILL ALLOW THE ATTACHMENT OF COLLAR BRASS. THERE SHALL BE HIDDEN TRIANGLE COLLAR BUTTON-DOWN TABS SEWN UNDERNEATH EACH COLLAR POINT APPROXIMATELY 1" WIDE (AT THE ATTACHMENT POINT) AND 7/8" LONG. THESE TABS SHALL ATTACH TO HIDDEN DURABLE LIGNE 14 BUTTONS WHICH ARE USED TO KEEP THE COLLAR SECURE.

**FRONT:**

THE LEFT FRONT SHALL HAVE A CENTER PLACKET 1 1/2" WIDE WITH TWO (2) ROWS OF STITCHES 7/8" APART. THE BUTTON STAY FRONT SHALL HAVE FOUR (4) VERTICAL EYELETS AND ONE (1) 24-LIGNE MELAMINE BUTTON ON THE BOTTOM TO CORRESPOND TO THE BOTTOM BUTTONHOLE. THERE SHALL BE FOUR (4) TACKS BETWEEN THE BUTTON EYELETS TO SECURE THE PROTECTIVE PIECE BEHIND THE FRONT, THREE (3) TACKS AND EYELETS SHALL BE SEWN THROUGH THE ZIPPER TAPE AND THE FRONT TO ALLOW FOR FUNCTIONAL BUTTONS AFTER THE ZIPPER IS CLOSED. THE BUTTONHOLE FRONT SHALL HAVE FIVE (5) 11/16" BUTTONHOLES TO ACCOMMODATE FOUR (4) 24-LIGNE METAL BUTTONS AND ONE (1) MELAMINE BUTTON. SPACING BETWEEN EYELETS AND BUTTONHOLES SHALL BE 3 1/2" WITH THE FIRST EYELET



**FRONT (CONT.):**

POSITIONED APPROXIMATELY 3 ¼" DOWN FROM NECK. CENTER PLACKET SHALL BE INTERLINED WITH #550 STABILIZED MELLO-PRESS OR EQUAL. A 11 1/2" NYLON ZIPPER SHALL BE SET BELOW THE TOP BUTTONHOLE EYELET AND BUTTONHOLE SHALL ACCOMPLISH FRONT CLOSURE. THE BALANCE OF THE LEFT FRONT SHALL HAVE SEWN VERTICAL EYELETS THROUGH ZIPPER TAPE AND PROTECTIVE STRIP ONLY UNDER EYELETS TO ALIGN WITH FUNCTIONAL BUTTONHOLES ON RIGHT FRONT.

**YOKE:**

POINTED BACK YOKE OF DOUBLE THICKNESS SHALL FINISH 4" IN DEPTH AT THE CENTER POINT. YOKE SHALL BE ¼" DOUBLE NEEDLE TOPSTITCHED TO THE BACK. INSIDE YOKE SHALL BE CUT STRAIGHT AND MADE OF HIGH LUSTER POLY TWILL. TOLERANCE FOR YOKE DEPTH SHALL BE +/- ¼".

**SLEEVES & SHOULDER INSIGNIA/PATCH:**

LONG SLEEVES, ELBOW PATCH, BANJO DESIGN; ELBOW REINFORCEMENT SHALL NOT EXTEND INTO THE SLEEVE-CLOSING SEAM. LOWER FACING SHALL MEASURE APPROXIMATELY ½" WIDE. CUFFS SHALL HAVE TWO (2) HORIZONTAL EYELETS TO ACCOMMODATE 24-LIGNE REMOVABLE METAL BUTTONS AND CORRESPONDING BUTTONHOLES SET VERTICALLY ON THE CUFFS. CUFFS SHALL HAVE WOVEN INTERLINING OF #550 STABILIZED MELLO-PRESS OR EQUAL. CUFFS SHALL BE 2 ½" IN DEPTH WITH ROUNDED CORNERS (BARREL CUFFS). BANJO PATCH MEASUREMENTS ARE 10" TALL X 4 ½" AT WIDEST POINT. TOLERANCE FOR THE BANJO PATCH IS +/- ¼".

SHOULDER INSIGNIA/PATCH TO BE ON BOTH LEFT & RIGHT SLEEVES AND SHALL PLACED ½" BELOW SLEEVE EDGE SEAMHEADS. TOLERANCE IS +/- ¼".

BACKGROUND OF INSIGNIA/PATCH SHALL BE OF SAME MATERIAL AS BODY OF GARMENT ON A CRINOLINE BACKING. THE SEAL OF THE STATE OF TENNESSEE IN CENTER WORKED IN YELLOW RAYON THREAD WITH THE OUTLINE OF THE STATE OF TENNESSEE (MAP DRAWING) SUPERIMPOSED IN DARK RED RAYON THREAD, RED BLOCK LETTERS SHALL BE EQUALLY SET AT TOP AND BOTTOM OF SHIELD TO RUN CIRCULAR. PATCH BORDER SHALL BE STITCHED IN TAN LUSTER THREAD.

**VENDOR WILL BE REQUIRED TO PROVIDE A PATCH ACCEPTABLE TO THE DEPARTMENT OF SAFETY AND HOMELAND SECURITY. SAMPLE SHALL BE DELIVERED WITHIN THIRTY (30) BUSINESS DAYS AFTER RECEIPT OF FABRIC.**

ROBISON-ANTON SUPER STRENGTH RAYON COLOR NUMBERS ARE AS FOLLOWS: YELLOW 2560, RED 2378, DARK RED 2252, TAN 2474 OR EQUAL.



**SLEEVES & SHOULDER INSIGNIA/PATCH (CONT.):**

SHOULDER INSIGNIA/PATCH SHALL BE 3.5" WIDE AND 4.0" HIGH, (+ OR -) 1/16". PATCHES THAT EXCEED THESE DIMENSIONS CANNOT BE USED WITH RANK INSIGNIA AND WILL NOT BE ACCEPTED BY REQUESTING AGENCY.

**VENDOR SHALL PROVIDE AN EXAMPLE OF THE INSIGNIA/PATCH TO THE DEPARTMENT OF SAFETY AND HOMELAND SECURITY FOR APPROVAL, FOLLOWING AWARD, WITHIN THIRTY (30) BUSINESS DAYS AFTER RECEIPT OF FABRIC.**

**AWARDED VENDOR WILL BE REQUIRED TO PROVIDE THE APPROVED INSIGNIA/PATCH AND SEW ON THE INSIGNIA/PATCH.**

**MILITARY CREASES:**

FIVE (5) STITCHED IN SHARP MILITARY CREASES ON ALL SHIRTS. ONE (1) CREASE ON EACH FRONT TO BE CENTERED VERTICALLY (NOT THROUGH POCKETS OR FLAPS). SPACING FOR THREE (3) MILITARY CREASES ON SHIRT BACK SHALL BE PROPORTIONATE TO THE SIZE OF THE SHIRT.

EACH SLEEVE SHALL HAVE A PRESSED IN CREASE, NOT THROUGH SHOULDER INSIGNIA, FROM SHOULDER SEAM TO THE TOP OF THE CUFF.

**BUTTONS:**

REGULATION 24 LIGNE, METAL, LONG SHANK. NONE REQUIRED WITH SHIRT.

FIRST GRADE 24-LIGNE MELAMINE BUTTON. EACH SHIRT SHALL HAVE TWO (2) WELL-SEWN BUTTONS. ONE (1) BUTTON ON THE COLLAR BAND AND ONE (1) BUTTON AT THE BOTTOM OF THE SHIRT FRONT.

**BUTTONHOLES & EYELETS:**

BUTTONHOLES AND EYELETS SHALL BE DESIGNED TO ACCOMMODATE 24-LIGNE REMOVABLE METAL LONG SHANK BUTTONS FASTENED WITH TOGGLES THROUGH EYELET HOLES. ALL EYELETS, EXCEPT OF THE EYELETS ON THE POCKETS, SHALL BE BACKED WITH GOOD GRADE CLOTH PROTECTIVE PIECES TO SHIELD THE WEARER FROM THE TOGGLES AND NOT BE VISIBLE WHEN SHIRT IS PRESSED AND WORN. EYELETS SHALL BE 1/8" LONG.

HOLES AND EYELETS SHALL BE EQUALLY SPACED ON FRONT FOR FOUR (4) 24-LIGNE METAL BUTTONS, ONE (1) 24-LIGNE MELAMINE BUTTON ON BOTTOM, ONE (1) 24-LIGNE MELAMINE BUTTON ON COLLAR BAND; TWO (2) METAL BUTTONS FOR POCKETS; TWO (2) METAL BUTTONS FOR SHOULDER STRAPS AND TWO (2) HOLES AND EYELETS FOR EACH CUFF.

HOLES & EYELETS SHALL BE SEWN VERTICALLY ON FRONT POCKETS AND FLAPS AND HORIZONTALLY ON THE SHOULDERS AND SHOULDER STRAPS AND CUFFS.

**POCKETS:**

TWO (2) BREAST POCKETS WITH MITERED CORNERS AND 1 ¼" VERTICAL BOX PLEAT IN CENTER. PLEATS SHALL BE STITCHED TOP AND BOTTOM AND FULL LENGTH OF PLEAT TO PREVENT SPREADING. PATCH POCKETS SHALL MEASURE 5" WIDE AND 5" DEEP. POCKETS SHALL BE SET TO SHIRT FRONT WITH A ¼" DOUBLE NEEDLE STITCHING. LEFT BREAST POCKET SHALL HAVE 1 ½" PENCIL STITCH, +/- 1/8", MEASURED FROM THE INSIDE OF THE DOUBLE STITCHED POCKET TO RUN ENTIRE DEPTH OF PATCH POCKET.

EACH POCKET SHALL HAVE HOOK VELCRO ¾" LONG BY ½" WIDE POSITIONED ON EDGES OF POCKET TO CORRESPOND WITH OUTER SCALLOPED FLAP POINTS AS SPECIFIED. VELCRO SHALL BE STITCHED ON ALL SIDES AND SHALL BE SEWN THROUGH POCKET AND SHIRT FOR ADDED REINFORCEMENT. EACH POCKET SHALL HAVE A VERTICAL EYELET TO ACCOMMODATE A 24-LIGNE REMOVABLE METAL BUTTON. POCKETS SHALL BE LEVEL FROM LEFT FRONT TO RIGHT FRONT.

SHALL HAVE TWO (2), THREE POINTED, SCALLOPED FLAPS TO FINISH 5 ¼" WIDE (+/- 1/8") AND 2 ¼" IN DEPTH AT CENTER POINT, 1 ¾" IN DEPTH AT SIDES.

FLAP SHALL BE PLACED 3/8" ABOVE PATCH POCKET. EACH FLAP SHALL BUTTON TO PATCH POCKET WITH ONE (1) 24-LIGNE REMOVABLE METAL BUTTON. FLAPS SHALL BE FORESTRY GREEN AS DESIGNATED. FLAP MATERIAL SHALL BE DOUBLED FOR BODY AND NEAT LAY DOWN APPEARANCE. SCALLOPED FLAPS SHALL BE INTERLINED WITH #550 STABILIZED MELLO-PRESS OR EQUAL. UNDERSIDE OF THE FLAP SHALL BE LOOPED VELCRO ¾" LONG BY ½" WIDE, STITCHED ON ALL SIDES, POSITIONED ON OUTER POINTS OF BOTH POCKET FLAPS TO SECURE WITH CORRESPONDING VELCRO STRIPS ON SHIRT POCKET. EACH FLAP SHALL HAVE A BUTTONHOLE TO ACCOMMODATE A 24-LIGNE REMOVABLE METAL BUTTON. FLAP SHALL BE MADE OF TWO (2) PIECES.

LEFT FLAP SHALL HAVE INVISIBLE PENCIL OPENING 1 ½" WIDE FROM RIGHT EDGE POCKET TO CORRESPOND PRECISELY WITH PENCIL SLOT OF PATCH POCKET. FLAP OPENING SHALL ACCOMMODATE TWO (2) PENCILS.

**BADGE PATCH:**

TWO-PLY SLING SHALL BE THE SAME COLOR AND MATERIAL AS SHIRT. SLING SHALL BE APPROXIMATELY 1" WIDE AND STITCHED TO SHOULDER SEAM AND FLAP SETTING STITCH. SLING SHALL HAVE TWO (2) ROUND EMBROIDERED EYELETS LOCATED ¾" FROM TOP OF LEFT POCKET FLAP AND SPACED 1 ½" APART FROM CENTER TO CENTER AND CENTERED ON THE SLING. SLING SHALL BE STITCHED TO SHOULDER SEAM AND FLAP SETTING STITCH. SLING LOCATION SHALL BE ON THE INSIDE OF THE SHIRT.

**SHOULDER STRAPS:**

STRAPS SHALL BE SET ON TOP OF SLEEVE SEAM AND CROSS-STITCHED TO SHOULDER AT A DISTANCE OF 2 ¼" FROM SLEEVE SEAM. TOLERANCE IS +/- 1/8". (MEASURING IN THE CENTER OF THE STRAP IS 2" FROM THE STRAIGHT END TO THE INNER MOST STITCH LINE.)

STRAPS SHALL BE 2" WIDE AT SLEEVE EDGE AND TAPERING TO 1 3/8" AT ENDS. STRAPS SHALL BE POINTED AND SHALL NOT BE MORE THAN ½" FROM COLLAR SEAM AND SHALL HAVE A BUTTONHOLE WITH A HORIZONTAL EYELET ON THE SHOULDER OF THE SHIRT TO ACCOMMODATE 24-LIGNE REMOVABLE METAL BUTTON. SHOULDER STRAPS SHALL BE FORESTRY GREEN AS DESIGNATED. STRAP MATERIAL SHALL BE DOUBLED FOR BODY AND NEAT LAY DOWN APPEARANCE. TOLERANCE IS +/- ¼". SHOULDER STRAPS SHALL NOT BE INTERLINED.

**SEWING:**

ALL SEWING THREADS SHALL BE COLOR FAST POLYESTER WRAP TO MATCH MATERIAL. ¼" DOUBLE NEEDLE STITCHING THROUGHOUT EXCEPT FOR THE CENTER PLACKET. ALL TOP STITCHED ¼" DOUBLE NEEDLE OFF THE EDGE. SLEEVE INSERTING AND SIDE CLOSE FELLING ¼" DOUBLE NEEDLE STITCHED.

**SIZES:**

EACH SHIRT MUST BEAR A PERMANENT APPROPRIATE SIZE MARKING. LABEL SHALL BE SEWN ON THE BOTTOM FRONT OF SHIRT. LABEL SHALL IDENTIFY MANUFACTURER, SIZE, MATERIAL BLEND, AND CARE INSTRUCTIONS.

SIZES TO BE SPECIFIED ON PURCHASE ORDER BY BUYER.

**PACKAGING:**

SHIRTS SHALL BE INDIVIDUALLY POLY BAGGED AND PACKED WITH LIKE SIZES FOR SHIPPING.

SHIPPING CARTON SHALL BE MARKED ON THE OUTSIDE WITH THE QUANTITY AND SIZES THEY CONTAIN.

**Shirts, Short Sleeve, Male, Dept. of Safety and Homeland Security, Uniform**

**MATERIAL:**

FABRIC USED SHALL BE TEXTILE IMPORT CORPORATION.  
STYLE/COLOR: SUN TAN, STOCK DYED  
CONTENT: 74% DACRON POLYESTER / 24% WOOL / 2% LYCRA.  
WEIGHT: 9-9.5 OZ PER LINEAR YARD  
MODEL: 3512943PT-3 OR TIC3512943PFN-3 with PFAS Free  
FINISH: NANOTEX

FABRIC MUST MEET A MINIMUM PILLING RATING OF 4.0 OR GREATER.

SHOULDER STRAPS AND POCKET FLAPS SHALL BE TEXTILE IMPORT CORPORATION. MATERIAL SHALL BE SAME MATERIAL AND WEIGHT OF TROUSERS.

CONTENT: 74% DACRON POLYESTER / 24% WOOL / 2% LYCRA.

EACH GARMENT SHALL BEAR A CLOTH LABEL PATCH WHICH GUARANTEES THAT THE FABRIC IS TEXTILE MPORT CORPORATION.

**STYLE:**

SHIRT SHALL BE STANDARD MILITARY STYLE WITH A SEMI TAPERED PATTERN. PERMANENT PINTUCK STITCHED MILITARY CREASES, TWO (2) FRONT, THREE (3) BACK. THERE SHALL BE FOUR (4) BANDS OF SILICONE 3 1/8" X 9/16" SEWN INTO THE BOTTOM OF THE SHIRT 2" FROM THE BOTTOM AND 1/4" ON THE INSIDE OF THE OUTER CREASES DESIGNED TO WORK WITH THE CORRESPONDING spud PANT WAISTBAND FOR MAXIMUM SHIRT RETENTION (SRS SHIRT RETENTION SYSTEM). THERE SHALL BE A DIAMOND MESH INSERT UNDER EACH ARM.

SHIRT SHALL BE PLACKET FRONT, DRESS TAIL, FULL CUT TAPERED FIT, OPEN CONVERTIBLE COLLAR AND SHORT SLEEVES. TWO (2) PLEATED BREAST POCKETS WITH CONTRASTING SCALLOPED FLAPS AND SHOULDER STRAPS. FULL BADGE REINFORCEMENT AND A MATCHING INSIDE YOKE OF HIGH LUSTER POLY TWILL.

SHIRTS SHALL BE SHAPED AT SIDE SEAMS. LENGTH OF SHIRT SHALL BE MINIMUM 33" FOR SIZE 16.5, ON ALL SIZES MEASURED AT THE BACK FROM THE BOTTOM OF THE COLLAR TO THE BOTTOM OF THE SHIRT, THEN GRADUATE 1/8" PER NECK SIZE.

CHEST: 50", WAIST: 47-1/2", GRADUATION: 2" ON EACH POINT OF MEASUREMENT. BOTTOM SHALL BE HEMMED.

**COLLAR:**

COLLAR POINTS SHALL BE MEDIUM SPREAD APPRXIMATELY 3" IN LENGTH. THE OUTSIDE EDGE OF THE COLLAR SHALL BE STITCHED WITH A 1/4" DOUBLE NEEDED EDGE STITCH. THE COLLAR WIDTH AT THE BACK OF THE NECK SHALL BE A MINIMUM OF 1 1/2". THE INSIDE COLLAR STAND SHALL HAVE A COLOR COORDINATING SATEEN FABRIC LINING

**COLLAR (CONT.):**

FOR COMFORT. THERE SHALL BE A COLLAR STAY SEWN INSIDE THE COLLAR ALONG THE BOTTOM EDGE OF EACH COLLAR TO HOLD THE COLLAR SHAPE AND STILL ALLOW THE ATTACHMENT OF COLLAR BRASS. THE COLLAR SHALL BE DESIGNED TO WEAR WITH THE COLLAR POINTS SPREAD.

**FRONT:**

EACH FRONT SHALL HAVE A FACING 3" IN WIDTH AT THE NECK TAPERING TO 2 1/2" AT THE BOTTOM AND SHALL EXTEND FROM NECKLINE TO BOTTOM OF SHIRT. THE LEFT FRONT SHALL HAVE A 1 1/2" WIDE CENTER PLACKET WITH TWO (2) ROWS OF STITCHING 7/8" APART AND SHALL BE INTERLINED WITH #550 STABILIZED MELLO-PRESS OR EQUAL. STITCHING ON THE TOP CENTER SHALL NOT BE VISIBLE ON THE TURN BACK FACING. THE LEFT FRONT SHALL HAVE SIX (6) 11/16" BUTTONHOLES SPACED 3 3/4", APART AND SHALL BE SET 3/4" FROM EDGE. THE FIRST BUTTONHOLE SHALL BE POSITIONED 3" DOWN FROM THE NECK. FRONT CLOSURE SHALL BE ACCOMPLISHED WITH A 15" NYLON ZIPPER TO BE SET BELOW THE FIRST VERTICAL EYELET AND BUTTONHOLE. THE BOTTOM BUTTON SHALL BE ATTACHED TO THE RIGHT FRONT. THE BALANCE OF THE RIGHT FRONT SHALL HAVE VERTICAL EYELETS SEWN THROUGH ZIPPER TAPE AND PROTECTIVE STROP AND SHALL ALIGN WITH FUNCTIONAL BUTTONHOLES ON LEFT FRONT. EYELETS SHALL NOT GO THROUGH TURN BACK FACING.

**YOKE:**

POINTED BACK YOKE OF DOUBLE THICKNESS SHALL FINISH 4" IN DEPTH AT THE CENTER POINT. YOKE SHALL BE 1/4" DOUBLE NEEDLE TOP-STITCHED TO THE BACK. INSIDE YOKE SHALL BE CUT STRAIGHT AND MADE OF HIGH LUSTER POLY TWILL. TOLERANCE FOR THE DEPTH OF THE YOKE IS +/- 1/4".

**SLEEVES AND SHOULDER INSIGNIA/PATCH:**

SLEEVES SHALL BE STRAIGHT AND WHOLE WITH A 3/4" HEM AND FINISH 11" LONG FROM SHOULDER SEAM ON A SIZE 16.5 AND SHALL GRADUATE 1/2" PER NECK SIZE. TOLERANCE FOR SLEEVE LENGTH IS +/- 1/2".

SHOULDER INSIGNIA/PATCH TO BE ON LEFT AND RIGHT SLEEVES AND SHALL BE PLACED 1/2" BELOW SLEEVE EDGE SEAMHEADS. TOLERANCE IS +/- 1/4".

BACKGROUND OF INSIGNIA/PATCH SHALL BE OF SAME MATERIAL AS BODY OF GARMENT ON A CRINOLINE BACKING. THE SEAL OF THE STATE OF TENNESSEE IN CENTER WORKED IN YELLOW RAYON THREAD WITH THE OUTLINE OF THE STATE OF TENNESSEE (MAP DRAWING) SUPERIMPOSED IN DARK RED RAYON THREAD, RED BLOCK LETTERS SHALL BE EQUALLY SET AT TOP AND BOTTOM OF SHIELD TO RUN CIRCULAR. PATCH BORDER SHALL BE STITCHED IN TAN LUSTER THREAD.

**SLEEVES AND SHOULDER INSIGNIA/PATCH (CONT.):**

**VENDOR WILL BE REQUIRED TO PROVIDE A PATCH ACCEPTABLE TO THE DEPARTMENT OF SAFETY AND HOMELAND SECURITY. SAMPLE SHALL BE DELIVERED WITHIN THIRTY (30) BUSINESS DAYS AFTER RECEIPT OF FABRIC.**

ROBISON-ANTON SUPER STRENGTH RAYON COLOR NUMBERS ARE AS FOLLOWS: YELLOW 2560, RED 2378, DARK RED 2252, TAN 2474 OR EQUAL.

SHOULDER INSIGNIA/PATCH TO BE 3.5" WIDE AND 4.0" HIGH, (+ OR -) 1/16". PATCHES THAT EXCEED THESE DIMENSIONS CANNOT BE USED WITH RANK INSIGNIA AND WILL NOT BE ACCEPTED BY REQUESTING AGENCY.

**VENDOR SHALL PROVIDE AN EXAMPLE OF THE INSIGNIA/PATCH TO THE DEPARTMENT OF SAFETY AND HOMELAND SECURITY FOR APPROVAL, FOLLOWING AWARD, WITHIN THIRTY (30) BUSINESS DAYS AFTER RECEIPT OF FABRIC.**

**AWARDED VENDOR WILL BE REQUIRED TO PROVIDE THE APPROVED INSIGNIA/PATCH AND SEW ON THE INSIGNIA/PATCH.**

**MILITARY CREASES:**

FIVE (5) STITCHED IN SHARP MILITARY CREASES ON ALL SHIRTS. ONE (1) CREASE ON EACH FRONT SHALL BE CENTERED VERTICALLY (NOT THROUGH POCKETS OR FLAPS). SPACING FOR THREE (3) MILITARY CREASES ON SHIRT BACK SHALL BE PROPORTIONATE TO THE SIZE OF SHIRT.

EACH SLEEVE SHALL HAVE A PRESSED IN CREASE, FROM THE SHOULDER SEAM TO SLEEVE END, NOT THROUGH SHOULDER INSIGNIA.

**BUTTONS:**

REGULATION 24-LIGNE, REMOVABLE METAL LONG SHANK BUTTON. NONE REQUIRED WITH SHIRT.

FIRST GRADE 24-LIGNE MELAMINE BUTTON. EACH SHIRT SHALL HAVE ONE (1) WELL-SEWN BUTTON AT THE BOTTOM OF THE SHIRT FRONT.

**BUTTONHOLES AND EYELETS:**

BUTTONHOLES AND EYELETS SHALL BE DESIGNED TO ACCOMMODATE 24-LIGNE REMOVABLE, METAL, LONG SHANK BUTTONS, FASTENED WITH TOGGLES THROUGH EYELET HOLES. ALL EYELETS, EXCEPT FOR THE EYELETS ON THE POCKETS, SHALL BE BACKED WITH GOOD GRADE CLOTH PROTECTIVE PIECES TO SHIELD THE WEARER FROM THE TOGGLES AND NOT BE VISIBLE WHEN SHIRT IS PRESSED AND WORN. EYELETS SHALL BE 1/8" LONG.

**BUTTONHOLES AND EYELETS (CONT.):**

HOLES AND EYELETS SHALL BE EQUALLY SPACED ON FRONT FOR FIVE (5) METAL BUTTONS, TWO (2) FOR POCKETS AND TWO (2) FOR SHOULDER STRAPS. THERE SHALL BE ONE (1) BUTTONHOLE FOR A MELAMINE BUTTON AT SHIRT BOTTOM.

HOLES AND EYELETS SHALL BE SEWN VERTICALLY ON FRONT PLACKET, POCKETS AND FLAPS, AND HORIZONTALLY ON THE SHOULDERS AND SHOULDER STRAPS.

THE CENTER OF FIRST FRONT EYELET AND BUTTONHOLE SHALL BE 3" FROM SHIRT TOP.

THE COLLAR SHALL NOT HAVE A BUTTON OR BUTTONHOLE.

**POCKETS:**

TWO (2) BREAST POCKETS, WITH 1 ½" VERTICAL BOX PLEAT IN CENTER, STITCHED TOP AND BOTTOM AND FULL LENGTH OF PLEAT TO PREVENT SPREADING. POCKETS SHALL BE SET TO SHIRT FRONT WITH ¼" DOUBLE NEEDLE STITCHING. PATCH POCKETS SHALL MEASURE 6" DEEP AND 5 5/8" WIDE WITH MITERED CORNERS. LEFT BREAST POCKET SHALL HAVE A 1 ½" PENCIL STITCH, +/- 1/8", MEASURED FROM THE INSIDE OF THE DOUBLE STITCHED POCKET TO RUN ENTIRE DEPTH OF PATCH POCKET. EACH POCKET SHALL HAVE HOOK VELCRO ¾" LONG BY ½" WIDE, POSITIONED ON BOTH EDGES OF POCKET TO CORRESPOND WITH OUTER SCALLOPED FLAP POINTS AS SPECIFIED. VELCRO SHALL BE STITCHED ON ALL SIDES AND SHALL BE SEWN THROUGH POCKET AND SHIRT FOR ADDED REINFORCEMENT. EACH POCKET SHALL HAVE A VERTICAL EYELET TO ACCOMMODATE A 24-LIGNE REMOVABLE METAL BUTTON. POCKETS SHALL BE LEVEL FROM LEFT FRONT TO RIGHT FRONT.

SHALL HAVE TWO (2), THREE POINTED, SCALLOPED FLAPS TO FINISH 5 7/8" WIDE (+/- 1/8"), 2 ¾" IN DEPTH AT CENTER POINT AND 2 ¼" IN DEPTH AT SIDES. FLAPS SHALL BE PLACED 3/8" ABOVE PATCH POCKETS. EACH FLAP SHALL BUTTON TO PATCH POCKET WITH ONE 24-LIGNE REMOVABLE METAL BUTTON. FLAPS SHALL BE FORESTRY GREEN AS DESIGNATED. FLAP MATERIAL SHALL BE DOUBLED FOR BODY AND NEAT LAY DOWN APPEARANCE. SCALLOPED FLAPS SHALL BE INTERLINED WITH # 550 STABILIZED MELLO-PRESS OR EQUAL. UNDERSIDE OF THE FLAP SHALL HAVE LOOPED VELCRO ¾" LONG BY ½" WIDE, STITCHED ON ALL SIDES, POSITIONED ON OUTER POINTS OF BOTH POCKET FLAPS TO SECURE WITH CORRESPONDING VELCRO STRIPS ON SHIRT POCKET. EACH FLAP SHALL HAVE A WELL-SEWN BUTTONHOLE TO ACCOMMODATE A 24-LIGNE REMOVABLE METAL BUTTON. FLAP SHALL BE MADE OF TWO (2) PIECES.

LEFT POCKET FLAP SHALL HAVE INVISIBLE PENCIL OPENING 1 ½" WIDE THROUGH THE POCKET FLAP FROM RIGHT EDGE TO CORRESPOND PRECISELY WITH PENCIL SLOT OF POCKET. OPENING SHALL ACCOMMODATE TWO (2) PENCILS.



**BADGE PATCH:**

TWO-PLY SLING SHALL BE THE SAME COLOR AND MATERIAL AS SHIRT. SLING SHALL BE 1" WIDE CENTERED ABOVE THE LEFT POCKET FLAP AND STITCHED TO SHOULDER SEAM AND FLAP SETTING STITCH. SLING SHALL HAVE TWO (2) ROUND EMBROIDERED EYELETS LOCATED  $\frac{3}{4}$ " FROM TOP OF LEFT POCKET FLAP SPACED IN  $1\frac{1}{2}$ " APART FROM CENTER TO CENTER AND CENTERED ON THE SLING. SLING LOCATION SHALL BE ON THE INSIDE OF SHIRT.

**SHOULDER STRAPS:**

SHALL BE SET ON TOP OF SLEEVE SEAM AND CROSS-STITCHED TO SHOULDER TO A DISTANCE OF  $2\frac{1}{4}$ " FROM SLEEVE SEAM. TOLERANCE IS +/-  $\frac{1}{8}$ ". (MEASURING IN THE CENTER OF THE STRAP FROM STRAIGHT END TO THE INNER MOST STITCH LINE IS 2")

STRAPS SHALL BE 2" WIDE AT SLEEVE EDGE AND TAPERING TO  $1\frac{5}{8}$ " AT END. STRAPS SHALL BE POINTED AND SHALL BE NO MORE THAN  $\frac{1}{2}$ " FROM COLLAR SEAM AND SHALL HAVE A BUTTONHOLE WITH A HORIZONTAL EYELET ON THE SHOULDER OF THE SHIRT TO ACCOMMODATE A 24-LIGNE REMOVABLE METAL BUTTON. SHOULDER STRAPS SHALL BE FORESTRY GREEN AS DESIGNATED. STRAP MATERIAL SHALL BE DOUBLED FOR BODY AND NEAT LAY DOWN APPEARANCE. TOLERANCE IS +/-  $\frac{1}{4}$ ". SHOULDER STRAPS SHALL NOT BE INTERLINED.

**SEWING:**

ALL SEWING THREAD SHALL BE COLOR FAST POLYESTER WRAP TO MATCH.  $\frac{1}{4}$ " DOUBLE NEEDLE STITCHING THROUGHOUT EXCEPT FOR THE CENTER PLACKET. SHALL BE STITCHED  $\frac{1}{4}$ " DOUBLE NEEDLE OFF THE EDGE. SLEEVE INSERTING AND SIDE CLOSE FELLING  $\frac{1}{4}$ " DOUBLE NEEDLE STITCHED.

**SIZES:**

EACH SHIRT SHALL BEAR A PERMANENT APPROPRIATE SIZE MARKING. LABEL SHALL BE SEWN ON THE BOTTOM FRONT OF THE SHIRT. LABEL SHALL IDENTIFY MANUFACTURER, SIZE, MATERIAL BLEND, AND CARE INSTRUCTIONS. LETTERS AND/OR NUMBERS SHALL BE MACHINE IMPRINTED ON LABEL.

SIZES TO BE SPECIFIED ON PURCHASE ORDER BY BUYER.

**PACKAGING:**

SHIRTS SHALL BE INDIVIDUALLY POLYBAGGED AND PACKED WITH LIKE SIZES FOR SHIPPING.

SHIPPING CARTON TO BE MARKED ON THE OUTSIDE WITH THE QUANTITY AND SIZES THEY CONTAIN.

**Shirts, Short Sleeve, Female, Dept. of Safety and Homeland Security, Uniform**

**MATERIAL:**

FABRIC USED SHALL BETEXTILE IMPORT CORPORATION.  
STYLE/COLOR: SUN TAN, STOCK DYED  
CONTENT: 74% DACRON POLYESTER / 24% WOOL / 2% LYCRA.  
WEIGHT: 9-9.5 OZ PER LINEAR YARD  
MODEL: 3512943PT-3 OR TIC3512943PFN-3 with PFAS Free  
FINISH: NANOTEX

FABRIC MUST MEET A MINIMUM PILLING RATING OF 4.0 OR GREATER.

SHOULDER STRAPS AND POCKET FLAPS TO BE TEXTILE IMPORT CORPORATION. MATERIAL SHALL BE SAME MATERIAL AND WEIGHT OF TROUSERS.

CONTENT: 74% DACRON POLYESTER / 24% WOOL / 2% LYCRA.

EACH GARMENT SHALL BEAR A CLOTH LABEL PATCH WHICH GUARANTEES THAT THE FABRIC IS TEXTILE IMPORT CORPORATION.

**STYLE:**

SHIRT SHALL BE STANDARD MILITARY STYLE WITH A SEMI TAPERED PATTERN. PERMANENT PINTUCK STITCHED MILITARY CREASES, TWO (2) FRONT, THREE (3) BACK. THERE SHALL BE FOUR (4) BANDS OF SILICONE 3 1/8" X 9/16" SEWN INTO THE BOTTOM OF THE SHIRT 2" FROM THE BOTTOM AND 1/4" ON THE INSIDE OF THE OUTER CREASES DESIGNED TO WORK WITH THE CORRESPONDING spud PANT WAISTBAND FOR MAXIMUM SHIRT RETENTION (SRS SHIRT RETENTION SYSTEM). THERE SHALL BE A DIAMOND MESH INSERT UNDER EACH ARM.

SHIRT SHALL BE PLACKET FRONT, DRESS TAIL, FULL CUT TAPERED FIT, OPEN CONVERTIBLE COLLAR AND SHORT SLEEVES. TWO (2) PLEATED BREAST POCKETS WITH CONTRASTING SCALLOPED FLAPS AND SHOULDER STRAPS. FULL BADGE REINFORCEMENT.

SHIRTS SHALL BE SHAPED AT SIDE SEAMS. LENGTH OF SHIRT SHALL BE A MINIMUM OF 29" ON ALL SIZES MEASURED AT THE BACK FROM THE BOTTOM OF THE COLLAR TO THE BOTTOM OF THE SHIRT. BOTTOM SHALL BE HEMMED.

TOLERANCE IS +/- 1/2".

WOMEN'S SIZE 10----CHEST: 42", WAIST: 38 1/4", GRADUATION: 2" ON EACH POINT OF MEASUREMENT.

**COLLAR:**

COLLAR POINTS SHALL BE MEDIUM SPREAD APPROXIMATELY 3" IN LENGTH. THE OUTSIDE EDGE OF THE COLLAR SHALL BE STITCHED WITH A 1/4" DOUBLE NEEDLE EDGE STITCH. THE COLLAR WIDTH AT THE BACK OF THE NECK SHALL BE A MINIMUM OF 1 1/2". THE INSIDE COLLAR

**COLLAR (CONT.):**

STAND SHALL HAVE A COLOR COORDINATING SATEEN FABRIC LINING FOR COMFORT. THERE SHALL BE A COLLAR STAY SEWN INSIDE THE COLLAR ALONG THE BOTTOM EDGE OF EACH COLLAR TO HOLD THE COLLAR SHAPE AND STILL ALLOW THE ATTACHMENT OF COLLAR BRASS. THE COLLAR SHALL BE DESIGNED TO WEAR WITH THE COLLAR POINTS SPREAD.

**FRONT:**

EACH FRONT SHALL HAVE A FACING 3" IN WIDTH AT THE NECK TAPERING TO 2 1/2" AT THE BOTTOM AND SHALL EXTEND FROM NECKLINE TO BOTTOM OF SHIRT. THE RIGHT FRONT SHALL HAVE A 1 1/2" WIDE CENTER PLACKET WITH TWO (2) ROWS OF STITCHING 7/8" APART AND SHALL BE INTERLINED WITH #550 STABILIZED MELLO-PRESS OR EQUAL. STITCHING ON THE TOP CENTER SHALL NOT BE VISIBLE ON THE TURN BACK FACING. THE RIGHT FRONT SHALL HAVE FIVE (5) 11/16" BUTTONHOLES SPACED 3 3/4", APART AND SHALL BE SET 3/4" FROM EDGE. THE FIRST BUTTONHOLE SHALL BE POSITIONED 2 3/4" DOWN FROM THE NECK. FRONT CLOSURE SHALL BE ACCOMPLISHED WITH A 11.5" NYLON ZIPPER TO BE SET BELOW THE FIRST VERTICAL EYELET AND BUTTONHOLE. THE BOTTOM BUTTON SHALL BE ATTACHED TO THE RIGHT FRONT. THE BALANCE OF THE LEFT FRONT SHALL HAVE VERTICAL EYELETS SEWN THROUGH ZIPPER TAPE AND PROTECTIVE STROP AND SHALL ALIGN WITH FUNCTIONAL BUTTONHOLES ON RIGHT FRONT. EYELETS SHALL NOT GO THROUGH TURN BACK FACING.

**YOKE:**

POINTED BACK YOKE OF DOUBLE THICKNESS SHALL FINISH 4" IN DEPTH AT THE CENTER POINT. YOKE SHALL BE 1/4" DOUBLE NEEDLE TOP-STITCHED TO THE BACK. INSIDE YOKE SHALL BE CUT STRAIGHT AND MADE OF HIGH LUSTER POLY TWILL. TOLERANCE FOR THE DEPTH OF THE YOKE IS +/- 1/4".

**SLEEVES AND SHOULDER INSIGNIA/PATCH:**

SLEEVES SHALL BE STRAIGHT AND WHOLE WITH A 3/4" HEM AND FINISH 9 1/2" LONG FROM SHOULDER SEAM ON A SIZE 38 AND SHALL GRADUATE 1/2" PER CHEST SIZE. TOLERANCE FOR SLEEVE LENGTH IS +/- 1/2"

SHOULDER INSIGNIA/PATCH TO BE ON LEFT AND RIGHT SLEEVES AND SHALL BE PLACED 1/2" BELOW SLEEVE EDGE SEAMHEADS. TOLERANCE IS +/- 1/4".

BACKGROUND OF INSIGNIA/PATCH SHALL BE OF SAME MATERIAL AS BODY OF GARMENT ON A CRINOLINE BACKING. THE SEAL OF THE STATE OF TENNESSEE IN CENTER WORKED IN YELLOW RAYON THREAD WITH THE OUTLINE OF THE STATE OF TENNESSEE (MAP DRAWING) SUPERIMPOSED IN DARK RED RAYON THREAD, RED BLOCK LETTERS SHALL BE EQUALLY SET AT TOP AND BOTTOM OF SHIELD TO RUN CIRCULAR. PATCH BORDER SHALL BE STITCHED IN TAN LUSTER THREAD.

## **SLEEVES AND SHOULDER INSIGNIA/PATCH (CONT.):**

**VENDOR WILL BE REQUIRED TO PROVIDE A PATCH ACCEPTABLE TO THE DEPARTMENT OF SAFETY AND HOMELAND SECURITY. SAMPLE SHALL BE DELIVERED WITH THIRTY (30) BUSINESS DAYS AFTER RECEIPT OF FABRIC.**

ROBISON-ANTON SUPER STRENGTH RAYON COLOR NUMBERS ARE AS FOLLOWS: YELLOW 2560, RED 2378, DARK RED 2252, TAN 2474 OR EQUAL.

SHOULDER INSIGNIA/PATCH TO BE 3.5" WIDE AND 4.0" HIGH, (+ OR -) 1/16". PATCHES THAT EXCEED THESE DIMENSIONS CANNOT BE USED WITH RANK INSIGNIA AND WILL NOT BE ACCEPTED BY REQUESTING AGENCY.

**VENDOR SHALL PROVIDE AN EXAMPLE OF THE INSIGNIA/PATCH TO THE DEPARTMENT OF SAFETY FOR APPROVAL, FOLLOWING AWARD, WITHIN THIRTY (30) BUSINESS DAYS AFTER RECEIPT OF FABRIC.**

**AWARDED VENDOR WILL BE REQUIRED TO PROVIDE THE APPROVED INSIGNIA/PATCH AND SEW ON THE INSIGNIA/PATCH.**

### **MILITARY CREASES:**

FIVE (5) STITCHED IN SHARP MILITARY CREASES ON ALL SHIRTS. ONE (1) CREASE ON EACH FRONT SHALL BE CENTERED VERTICALLY (NOT THROUGH POCKETS OR FLAPS). SPACING FOR THREE (3) MILITARY CREASE ON SHIRT BACK SHALL BE PROPORTIONATE TO THE SIZE OF SHIRT.

EACH SLEEVE SHALL HAVE A PRESSED IN CREASE, FROM THE SHOULDER SEAM TO SLEEVE END, NOT THROUGH SHOULDER INSIGNIA.

### **BUTTONS:**

REGULATION 24-LIGNE, REMOVABLE METAL LONG SHANK BUTTON. NONE REQUIRED WITH SHIRT.

FIRST GRADE 24-LIGNE MELAMINE BUTTON. EACH SHIRT SHALL HAVE ONE (1) WELL-SEWN BUTTON AT THE BOTTOM OF THE SHIRT FRONT.

### **BUTTONHOLES AND EYELETS:**

BUTTONHOLES AND EYELETS SHALL BE DESIGNED TO ACCOMMODATE 24-LIGNE REMOVABLE, METAL, LONG SHANK BUTTONS, FASTENED WITH TOGGLES THROUGH EYELET HOLES. ALL EYELETS, EXCEPT FOR THE EYELETS ON THE POCKETS, SHALL BE BACKED WITH GOOD GRADE CLOTH PROTECTIVE PIECES TO SHIELD THE WEARER FROM THE TOGGLES AND NOT BE VISIBLE WHEN SHIRT IS PRESSED AND WORN. EYELETS SHALL BE 1/8" LONG.

HOLES AND EYELETS SHALL BE EQUALLY SPACED ON FRONT FOR FOUR (4) METAL BUTTONS, TWO (2) FOR POCKETS AND TWO (2) FOR SHOULDER STRAPS. THERE SHALL BE ONE (1) BUTTONHOLE FOR A MELAMINE BUTTON AT SHIRT BOTTOM.

**BUTTONHOLES AND EYELETS (CONT.):**

HOLES AND EYELETS SHALL BE SEWN VERTICALLY ON FRONT PLACKET, POCKETS AND FLAPS, AND HORIZONTALLY ON THE SHOULDERS AND SHOULDER STRAPS.

THE CENTER OF FIRST FRONT EYELET AND BUTTONHOLE SHALL BE 2  $\frac{3}{4}$ " FROM SHIRT TOP. SPACING BETWEEN EYELETS AND BUTTONHOLES SHALL BE 3  $\frac{1}{2}$ ".

THE COLLAR SHALL NOT HAVE A BUTTON OR BUTTONHOLE.

**POCKETS:**

TWO (2) BREAST POCKETS, WITH 1  $\frac{1}{4}$ " VERTICAL BOX PLEAT IN CENTER, STITCHED TOP AND BOTTOM AND FULL LENGTH OF PLEAT TO PREVENT SPREADING. POCKETS SHALL BE SET TO SHIRT FRONT WITH  $\frac{1}{4}$ " DOUBLE NEEDLE STITCHING. PATCH POCKETS SHALL MEASURE 5" DEEP AND 5" WIDE WITH MITERED CORNERS. LEFT BREAST POCKET SHALL HAVE A 1  $\frac{1}{2}$ " PENCIL STITCH, +/- 1/8", MEASURED FROM THE INSIDE OF THE DOUBLE STITCHED POCKET TO RUN ENTIRE DEPTH OF PATCH POCKET. EACH POCKET SHALL HAVE HOOK VELCRO  $\frac{3}{4}$ " LONG BY  $\frac{1}{2}$ " WIDE, POSITIONED ON BOTH EDGES OF POCKET TO CORRESPOND WITH OUTER SCALLOPED FLAP POINTS AS SPECIFIED. VELCRO SHALL BE STITCHED ON ALL SIDES AND SHALL BE SEWN THROUGH POCKET AND SHIRT FOR ADDED REINFORCEMENT. EACH POCKET SHALL HAVE A VERTICAL EYELET TO ACCOMMODATE A 24-LIGNE REMOVABLE METAL BUTTON. POCKETS SHALL BE LEVEL FROM LEFT FRONT TO RIGHT FRONT.

SHALL HAVE TWO (2), THREE POINTED, SCALLOPED FLAPS TO FINISH 5  $\frac{1}{4}$ " WIDE (+/- 1/8"), 2  $\frac{3}{4}$ " IN DEPTH AT CENTER POINT AND 1  $\frac{3}{4}$ " IN DEPTH AT SIDES. FLAPS SHALL BE PLACED  $\frac{3}{8}$ " ABOVE PATCH POCKETS. EACH FLAP SHALL BUTTON TO PATCH POCKET WITH ONE 24-LIGNE REMOVABLE METAL BUTTON. FLAPS SHALL BE FORESTRY GREEN AS DESIGNATED. FLAP MATERIAL SHALL BE DOUBLED FOR BODY AND NEAT LAY DOWN APPEARANCE. SCALLOPED FLAPS SHALL BE INTERLINED WITH # 550 STABILIZED MELLO-PRESS OR EQUAL. UNDERSIDE OF THE FLAP SHALL HAVE LOOPED VELCRO  $\frac{3}{4}$ " LONG BY  $\frac{1}{2}$ " WIDE, STITCHED ON ALL SIDES, POSITIONED ON OUTER POINTS OF BOTH POCKET FLAPS TO SECURE WITH CORRESPONDING VELCRO STRIPS ON SHIRT POCKET. EACH FLAP SHALL HAVE A WELL-SEWN BUTTONHOLE TO ACCOMMODATE A 24-LIGNE REMOVABLE METAL BUTTON. FLAP SHALL BE MADE OF TWO (2) PIECES.

LEFT POCKET FLAP SHALL HAVE INVISIBLE PENCIL OPENING 1  $\frac{1}{2}$ " WIDE THROUGH THE POCKET FLAP FROM LEFT EDGE TO CORRESPOND PRECISELY WITH PENCIL SLOT OF POCKET. OPENING SHALL ACCOMMODATE TWO (2) PENCILS.

**BADGE PATCH:**

TWO-PLY SLING SHALL BE THE SAME COLOR AND MATERIAL AS SHIRT. SLING SHALL BE 1" WIDE CENTERED ABOVE THE LEFT POCKET FLAP AND STITCHED TO SHOULDER SEAM AND FLAP SETTING STITCH. SLING SHALL HAVE TWO (2) ROUND EMBROIDERED EYELETS LOCATED  $\frac{3}{4}$ " FROM TOP OF LEFT POCKET FLAP SPACED IN  $1\frac{1}{2}$ " APART FROM CENTER TO CENTER AND CENTERED ON THE SLING. SLING LOCATION SHALL BE ON THE INSIDE OF SHIRT.

**SHOULDER STRAPS:**

STRAPS SHALL BE SET ON TOP OF SLEEVE SEAM AND CROSS-STITCHED TO SHOULDER TO A DISTANCE OF  $2\frac{1}{4}$ " FROM SLEEVE SEAM. TOLERANCE IS  $\pm 1/8$ ". (MEASURING IN THE CENTER OF THE STRAP FROM STRAIGHT END TO THE INNER MOST STITCH LINE IS 2") STRAPS SHALL BE 2" WIDE AT SLEEVE EDGE AND TAPERING TO  $1\frac{3}{8}$ " AT END. STRAPS SHALL BE POINTED AND SHALL BE NOT MORE THAN  $\frac{1}{2}$ " FROM COLLAR SEAM AND SHALL HAVE A BUTTONHOLE WITH A HORIZONTAL EYELET ON THE SHOULDER OF THE SHIRT TO ACCOMMODATE A 24-LIGNE REMOVABLE METAL BUTTON. SHOULDER STRAPS SHALL BE FORESTRY GREEN AS DESIGNATED. STRAP MATERIAL SHALL BE DOUBLED FOR BODY AND NEAT LAY DOWN APPEARANCE. TOLERANCE IS  $\pm 1/4$ ". SHOULDER STRAPS SHALL NOT BE INTERLINED.

**SEWING:**

ALL SEWING THREAD SHALL BE COLOR FAST POLYESTER WRAP TO MATCH.  $\frac{1}{4}$ " DOUBLE NEEDLE STITCHING THROUGHOUT EXCEPT FOR THE CENTER PLACKET. SHALL BE STITCHED  $\frac{1}{4}$ " DOUBLE NEEDLE OFF THE EDGE. SLEEVE INSERTING AND SIDE CLOSE FELLING  $\frac{1}{4}$ " DOUBLE NEEDLE STITCHED.

**SIZES:**

EACH SHIRT SHALL BEAR A PERMANENT APPROPRIATE SIZE MARKING. LABEL SHALL BE SEWN ON THE BOTTOM FRONT OF THE SHIRT. LABEL SHALL IDENTIFY MANUFACTURER, SIZE, MATERIAL BLEND, AND CARE INSTRUCTIONS. LETTERS AND/OR NUMBERS SHALL BE MACHINE IMPRINTED ON LABEL.

SIZES TO BE SPECIFIED ON PURCHASE ORDER BY BUYER.

**PACKAGING:**

SHIRTS SHALL BE INDIVIDUALLY POLYBAGGED AND PACKED WITH LIKE SIZES FOR SHIPPING.

SHIPPING CARTON TO BE MARKED ON THE OUTSIDE WITH THE QUANTITY AND SIZES THEY CONTAIN.

## **Trousers, Male, Dept. of Safety and Homeland Security, Uniform**

### **MATERIAL:**

THE FABRIC SHALL BE TEXTILE IMPORT CORPORATION.  
MODEL: T319373PT-17 **OR TIC319373PFN-17 with PFAS Free**  
COLOR: OD GREEN  
WEIGHT: 13 OZ LINEAR YARD  
CONTENT: 74% DACRON POLYESTER / 24% WOOL / 2% LYCRA.

FABRIC MUST MEET A MINIMUM PILLING RATING OF 4.0 OR GREATER.

EACH GARMENT MUST BEAR A LABEL ATTACHED TO INSIDE OF TROUSER.

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 INSTALLED WITH PLASTIC STAPLES FOR EASY REMOVAL WITHOUT DAMAGING TROUSER MATERIAL AND SHOWING SIZE WHEN TROUSERS ARE STACKED.

ALL POCKETING AND FLY LINING MATERIAL SHALL BE 70% POLYESTER/30% COTTON, 2.9 OZ. PER SQUARE YARD (60" WIDTH) WITH A MINIMUM 82X64 THREAD COUNT, POCKETING MUST HAVE A DURABLE PRESS FINISH AND THE COLOR OF THE POCKETING MUST BE BLACK.

HEAVY WEIGHT, BRASS ZIPPER, YKK58 OR EQUAL.

### **STYLE:**

PLAIN FRONT TROUSER WITH ZIPPER FLY, TWO (2) QUARTER-TOP FRONT POCKETS AND TWO (2) BACK POCKETS PROFESSIONALLY FINISHED WITH NO VISIBLE TOP STITCHING AND TWO (2) UTILITY POCKETS. WORK WEAR INDUSTRIAL STYLE CONSTRUCTION IS UNACCEPTABLE AND SHALL BE CAUSE FOR REJECTION.

NO SUSPENDER BUTTONS.

### **WAISTBAND:**

THE WAISTBAND SHALL BE DESIGNED TO ALLOW FOR 2" OF MECHANICAL EXPANSION THROUGH TWO (2) UNIQUE DOUBLE WAISTBAND PANELS WITH 1 ¼" ELASTIC BUILT IN (EXPAND ON DEMAND WAISTBAND). THE FRONT WAISTBAND SHALL BE HELD WITH A HIDDEN 3" X 2" ELASTIC ATTACHED TO A TAPERED TAB OF SELF-MATERIAL. THE INSIDE WAISTBAND SHALL BE HELD WITH 3.5" X 2" ELASTIC SEWN TO THE WAISTBAND INSIDE FOLD BACK TO A SEPARATE ENCLOSED CHANNEL WHICH IS JOINED TO THE FRONT WAISTBAND CHANNEL AT THE TOP OF THE FRONT POCKET OPENING. THE ELASTIC SHALL REMAIN CONCEALED EVEN WHEN THE WAISTBAND IS STRETCHED TO ITS MAXIMUM LENGTH. THE CURTAIN SHALL BE MADE OF THE HEAVY-DUTY TUXEDO POCKETING MATERIAL LISTED ABOVE, BIAS-CUT, AND



## **WAISTBAND (CONT.):**

SHALL HAVE A CONTINUOUS PARALLEL 7/16" WIDE SILICONE BAND DESIGNED TO WORK WITH THE CORRESPONDING SRS (SHIRT RETENTION SYSTEM) SHIRT GRIPPERS FOR MAXIMUM SHIRT RETENTION. THE FINISHED WAISTBAND SHALL BE SET ON AND SHALL BE STITCHED BELOW THE LOWER EDGE THROUGH THE OUTER FABRIC AND THE WAISTBAND CURTAIN.

THE TROUSER WILL BE MADE WITH A WAISTBAND SYSTEM WHICH IS DESIGNED TO PROVIDE THE WEARER WITH A MORE COMFORTABLE AND EXPANDABLE FITTING TROUSER.

THE WAISTBAND CLOSURE SHALL BE ACCOMPLISHED WITH TWO (2) CRUSH PROOF HOOKS AND EYES CENTERED ON THE WAISTBAND FOR MAXIMUM WEARER COMFORT AND STRENGTH. THE HOOKS AND EYES SHALL BE REINFORCED AND CENTERED ON A 1 1/2" X 7/8" NON-WOVEN TAPE THAT IS ANCHORED WITH TOPSTITCHING THROUGH AND THROUGH TO THE TOP OF THE WAISTBAND (BAR TACKS IN PLACE OF TOPSTITCHING SHALL BE CAUSE FOR REJECTION). IN ADDITION TO THE STITCHING OF THE WAISTBAND WHEN IT IS SET ONTO THE TROUSER, THE WAISTBAND MUST ALSO BE TOPSTITCHED BELOW THE WAISTBAND SEAM OF THE TROUSER TO BE FINISHED TO ALLOW FOR ALTERATIONS (WITH AMPLE FABRIC AND CURTAIN MATERIAL TO ALLOW TROUSER SIZE TO BE INCREASED AT LEAST ONE SIZE). THE OUTLET IN THE SEAT SHALL BE IN PROPORTION TO WAIST OUTLET SO THE SEAT MAY ALSO BE LET OUT. SEAT SEAM MUST BE SEWN WITH A TANDEM NEEDLE MACHINE OR EQUAL (DOUBLE-NEEDLE STITCH) FOR MAXIMUM STRENGTH.

TROUSER SHALL HAVE A PERFORMANCE SRETCH WAISTAND WITH THE UPPER LOWER PORTION OF THE BAND PROVIDING DIFFERENT FUNCTIONS. THE WAISTBAND CURTAIN IS COMPOSED OF TWO (2) ELASTIC COMPONENTS, WHICH GIVE THE WAISTBAND A TWO-ZONE COMFORT FIT AND BREATHABILITY. WAISTBAND MUST BE FINISHED WITH ZIGZAG STITCH PEFORMED ON A ROCAP MACHINE OR EQUAL.

TROUSERS SHALL BE MADE ON AN UPDATED UNIFORM PATTERN WHICH DOES NOT RESEMBLE A JEANS PATTERN. HIP HUGGER STYLE TROUSERS WILL NOT BE PERMITTED.

THE TOP PART OF THE WAISTBAND CURTAIN CONTAINS A LOWER STRETCH ZONE DESIGNED TO GIVE WITH THE WEARER'S MOVEMENTS INCLUDING SITTING OR BENDING. THIS UPPER ZONE OF THE WAISTBAND CURTAIN IS COMPOSED OF A 1 1/2" 30% STRETCH MONOFILAMENT ELASTIC THAT IS AROUND THE ENTIRE WAISTBAND PROVIDING STABILITY, PREVENTING WAISTBAND ROLLOVER, AND ALLOWING FOR A COMFORT STRETCH WITH WEARER MOVEMENT. THE TOP PART OF THE WAIST BAND MUST BE FINISHED WITH A ZIGZAG STITCH PERFORMED ON A ROCAP MACHINE OR EQUAL.

## **WAISTBAND (CONT.):**

THE SPECIFICATIONS FOR THE UPPER ELASTIC ARE AS FOLLOWS:

WIDTH: 1 ½"

STRETCH: 30%

WARP: 150 DENIER TEXTURED POLYESTER, 21 ENDS FILLING ELEMENT  
1: .011" DIAMETER TRANSPARENT TYPE 66 NYLON, ONE END FILLING  
ELEMENT

2: 150 DENIER TEXTURED POLYESTER, 2 ENDS ELASTOMER: 840 DENIER  
TRANSPARENT SPANDEX, 21 ENDS OVERALL CONTENTS: 59%  
POLYESTER, 41% RUBBER.

THE UPPER ZONE OF THE WAISTBAND CURTAIN INTERLINING (ELASTIC  
BAND) IS TO BE LINED IN THE SAME COLOR AND MATERIAL AS THE  
TROUSER POCKETING AND IT SHALL BE CUT ON A 45-DEGREE BIAS TO  
ALLOW FOR MAXIMUM STRETCH. THE WAISTBAND TROUSER FABRIC  
SHALL BE CUT ACROSS THE CLOTH TO ALLOW FOR MAXIMUM STRETCH  
IN SYNERGY WITH THE WAISTBAND CURTAIN.

THE LOWER PART OR LOWER ZONE OF THE WAISTBAND SHALL BE THE  
SAME COLOR AS THE TROUSER POCKETING. IT IS DESIGNED TO  
STRETCH OVER THE HIPS FOR COMFORT, HELP KEEP THE TROUSER  
SECURELY POSITIONED ON THE WEARER'S WAIST, AND TO HELP  
PREVENT SLIPPAGE. THIS LOWER PORTION OF THE WAISTBAND  
CURTAIN IS MADE WITH 65% STRETCH ELASTIC. THIS ZONE ALSO  
INCORPORATES TRU-GRIP, A ½" WIDE RUBBERIZED (55 GAUGE RUBBER)  
SURFACE AREAS WHICH ACTS TO HOLD THE SHIRT IN PLACE INSIDE  
THE TROUSER TO HELP KEEP SHIRT TAILS TUCKED INTO THE WAIST  
FOR A NEAT AND PROFESSIONAL APPEARANCE.

THE SPECIFICATIONS FOR THE LOWER ELASTIC ARE AS FOLLOWS:

WIDTH: 1 ¾"

STRETCH: 65%

FACE: 70/2 STRETCH NYLON, 104 ENDS

BINDER: 150/2 TEXTURED POLYESTER, 32 ENDS

EDGE: 70/2 STRETCH NYLON, 11 ENDS

FIGURE: 100/2 STRETCH NYLON, 16 ENDS

RUBBERIZED AREA: 55 GAUGE RUBBER, 33 ENDS CATCH THREAD: 70/2

STRETCH NYLON, 1 END ELASTOMER CORE: 1680 LYCRA, 38 ENDS

ELASTOMER TOP COVER: 150/1 TEXTURED POLYESTER, 1 END

ELASTOMER

BOTTOM COVER: 100/1 BRIGHT NYLON, 1 END

FILLING: 250 MONOFILAMENT NYLON, 2 ENDS

OVERALL CONTENTS: 46% NYLON, 15% POLYESTER, 25% RUBBER, 14%  
SPANDEX.

## **BELT LOOPS:**

LOOPS SHALL BE EVENLY SPACED. LOOPS SHALL BE SEWN IN TOP AND  
UNDERSIDE OF WAISTBAND. THERE SHALL BE A MINIMUM OF NINE (9)  
BELT LOOPS ON SIZES 34 AND ABOVE. SIZES 33 AND BELOW SHALL  
HAVE SEVEN (7) BELT LOOPS. BELT LOOPS SHALL MEASURE ¾" IN

**BELT LOOPS (CONT.):**

WIDTH OF DOUBLE THICKNESS. EACH LOOP SHALL HAVE A NON-WOVEN INTERLINING FOR ADDED DURABILITY. ALL LOOPS (EXCEPT BACK CENTER) SHALL BE SEWN INTO THE TOP AND BOTTOM OF THE WAISTBAND (“DROPPED” BELT LOOPS THAT ARE TACKED TO THE OUTSIDE OF THE TROUSER ALL AROUND THE WAIST ARE CAUSE FOR REJECTION). THE TOP OF THE BELT LOOPS (EXCEPT BACK CENTER) SHALL BE SEWN INTO THE CURTAIN SEAM WITH A ROCAP MACHINE OR EQUAL USING A ZIGZAG STITCH. THE BOTTOM OF THE CENTER BACK LOOP SHALL BE TACKED TO THE TROUSER AND THE TOP OF THE LOOP SHALL BE TACKED TO THE OUTSIDE OF THE WAISTBAND TO ALLOW FOR EASIER WAIST ALTERATION.

**TROUSERS:**

TROUSERS TO BE IN CONFORMITY WITH SIZE OF GARMENT, SEE SIZE CHART BELOW: TOLERANCE IS +/- 1/2”  
SEE HOW TO MEASURE GUIDE ATTACHED

RISE MEASUREMENT:

SHORT = -1/2”

REGULAR = AS CHART

LONG = -3/4”

A 1” BLACK CLOTH STRIPE OF SAME MATERIAL AS TROUSERS SHALL BE SET IN TROUSER LEG SIDE SEAM EXTENDING FROM WAISTBAND TO THE BOTTOM OF THE TROUSER LEG.

**MALE TROUSER – FINISHED DIMENSION CHART**

WAIST SIZE	SEAT	THIGH	KNEE	BOTTOM	FRONT RISE	BACK RISE
28	38 1/2	26	19 3/4	18 1/4	10 3/8	14 3/4
29	39 1/2	26 1/2	20	18 3/8	10 1/2	14 7/8
30	40 1/2	27	20 1/4	18 1/2	10 5/8	15
31	41 1/2	27 1/2	20 1/2	18 5/8	10 3/4	15 1/8
32	42 1/2	28	20 3/4	18 3/4	10 7/8	15 1/4
33	43 1/2	28 1/2	21	18 7/8	11	15 3/8
34	44 1/2	29	21 1/4	19	11 1/8	15 1/2
35	45 1/2	29 1/2	21 1/2	19 1/8	11 1/4	15 5/8
36	46 1/2	30	21 3/4	19 1/4	11 3/8	15 3/4
37	47 1/2	30 1/2	22	19 3/8	11 1/2	15 7/8
38	48 1/2	31	22 1/4	19 1/2	11 5/8	16
39	49 1/2	31 1/2	22 1/2	19 5/8	11 3/4	16 1/8
40	50 1/2	32	22 3/4	19 3/4	11 3/4	16 1/4
41	51 1/2	32 1/2	23	19 7/8	12	16 3/8
42	52 1/2	33	23 1/4	20	12 1/8	16 1/2
43	52 1/2	33 1/2	23 1/2	20 1/8	12 1/4	16 5/8
44	54 1/2	34	23 3/4	20 1/4	12 3/8	16 3/4
45	55 1/2	34 1/2	24	20 3/8	12 1/2	16 7/8
46	56 1/2	35	24 1/4	20 1/2	12 5/8	17

47	57 ½	35 ½	24 ½	20 5/8	12 ¾	17 1/8
48	58 ½	36	24 ¾	20 ¾	12 7/8	17 ¼
49	59 ½	36 ½	25	20 7/8	13	17 3/8
50	60 ½	37	25 ¼	21	13 1/8	17 ½
51	61 ½	37 ½	25 ½	21 1/8	13 ¼	17 5/8
52	62 ½	38	25 ¾	21 ¼	13 3/8	17 ¾
53	63 ½	38 ½	26	21 3/8	13 ½	17 7/8
54	64 ½	39	26 ¼	21 ½	13 5/8	18
55	65 ½	39 ½	26 ½	21 5/8	13 ¾	18 1/8
56	66 ½	40	26 ¾	21 ¾	13 7/8	18 ¼
57	67 ½	40 ½	27	21 7/8	14	18 3/8
58	68 ½	41	27 ¼	22	14 1/8	18 ½
59	69 ½	41 ½	27 ½	22 1/8	14 ¼	18 5/8
60	70 ½	42	27 ¾	22 ¼	14 3/8	18 ¾
61	71 ½	42 ½	28	22 3/8	14 ½	18 7/8
62	72 ½	43	28 ¼	22 ½	14 5/8	19

**POCKETS:**

ALL POCKETING SHALL BE HEAVY-DUTY BLACK 150-DENIER 70% POLYESTER / 30% COTTON TUXEDO POCKETING WITH A MINIMUM THREAD COUNT OF 82X64, THE WAISTBAND AND INSIDE SEAM BINDING SHALL BE MADE WITH POCKETING MATERIAL CUT ON THE BIAS.

THE TWO (2) FRONT SIDE POCKETS SHALL BE QUARTER TOP STYLE, OPENING SHALL BE 1 ¼" (+/- 1/8" TOLERANCE), MEASURED FROM THE SIDE SEAM TO THE POCKET EDGE, DEEPLY FACED, BAR TACKED AT THE CORNERS WITH A MINIMUM OPENING OF 7" MEASURED FROM THE BOTTOM OF THE WAISTBAND TO THE BARTACK AT THE SIDE SEAM AND A MINIMUM DEPTH OF 6" MEASURED FROM THE BOTTOM OF THE OPENING. POCKETS SHALL HAVE STRAIGHT BAR TACKS AT THE TOP AND BOTTOM OF POCKET OPENING. FRONT POCKET FACING AND BARRIER SHALL BE MADE OF THE TROUSER MATERIAL. POCKETS SHALL BE DOUBLE TIPPED.

BACK POCKETS SHALL BE 6" WIDE AND 6" IN DEPTH MEASURED FROM THE BOTTOM OF THE POCKET OPENING, FOR SIZES OVER 32. SIZES 31 AND DOWN SHALL MEASURE 5 ½" WIDE AND 6" IN DEPTH MEASURED FROM THE BOTTOM OF THE POCKET OPENING. BACK POCKETS SHALL BE CONSTRUCTED USING THE DOUBLE WELT METHOD. THE WELTS SHALL BE FINISHED IN SUCH A MANNER THAT THERE IS NO TOPSTITCHING. THE CORNERS OF THE POCKET SHALL HAVE TRIANGLE BAR TACKS FOR REINFORCEMENT. BACK POCKET FACING AND BARRIER SHALL BE MADE OF BASIC TROUSER MATERIAL. FACING SHALL BE A MINIMUM OF ¾" AND THE BARRIER SHALL BE A MINIMUM OF 1 ½".

BOTH BACK POCKETS SHALL HAVE POCKET FLAPS MADE OF THE BASIC TROUSER MATERIAL INSERTED INTO THE TOP WELT. A BUTTON SHALL BE LOCATED BELOW THE BUTTON WELT CORRESPONDING IN LOCATION WITH A CONCEALED BUTTONHOLE MADE OF AN ADDITIONAL PIECE OF OLIVE DRAB FELT, BRAND QST (312-930-9400) OR EQUAL, SET ON THE UNDERSIDE OF THE POCKET FLAP.

**UTILITY POCKETS:**

TWO (2) UTILITY POCKETS SHALL BE 3 ½" BELOW BACK HIP POCKETS AND 1 ¼" FROM THE SIDE SEAM, MEASURED FROM THE MIDDLE OF THE BLACK STRIPE WITH A MINIMUM OPENING OF 3 ½" AND A MINIMUM DEPTH OF 7". POCKETING MATERIAL SHALL BE SAME AS SIDE AND BACK POCKETS. UTILITY POCKETS TO BE CONSTRUCTED USING THE DOUBLE WELT METHOD AND FINISHED IN SUCH A MANNER THAT THERE IS NO TOPSTITCHING. THE CORNERS OF THE UTILITY POCKET SHALL HAVE TRIANGLE BAR TACKS FROM REINFORCED STRENGTH. TOLERANCE IS +/- ¼"

**BUTTONS & FASTENERS:**

TWO (2) METAL FASTENERS SHALL BE PLACED ON WAISTBAND AT TOP OF ZIPPER FLY. ONE (20 GREEN MELAMINE BUTTON FOR FRENCH FLY TAB, ONE (1) EACH FOR BACK POCKETS.

**FLY & CROTCH:**

THE RIGHT FLY AND FRONT CROTCH LININGS SHALL BE THE SAME FABRIC AND COLOR AS THE WAISTBAND CURTAIN. THERE SHALL BE A TC#8000 INTERLINING SEWN BETWEEN THE FLY AND THE FLY LINING TO GIVE ADDITIONAL STABILITY AND STRENGTH TO THE FLY. THE RIGHT FLY LINING SHALL BE SEWN TO THE LEFT FLY BELOW THE ZIPPER AND CONTINUE CENTERED ON THE JOIN SEAM ACROSS THE INSEAM AND END 1" ONTO THE BACK SEAM. A SEPARATE FRENCH FLY MADE OF THE OUTER FABRIC WITH A LINING OF REINFORCED POCKETING SHALL BE SEWN TO THE INSIDE RIGHT FLY. THE FLY ATTACHMENT BUTTON SHALL BE A LIGNE 20, 100% POLYESTER DURABLE BUTTON. THE BUTTON SHALL PASS ASTM 5171-1191, USING A .84 KG MASS DROPPED FROM 67 MM.

THERE SHALL BE A DIAMOND SHAPED REINFORCED CROTCH GUSSET WHICH IS TO BE MADE FROM THE TROUSER FABRIC TO PROVIDE COMFORT AND MOBILITY. THE DIAMOND SHAPED REINFORCED CROTCH GUSSET SHALL MEASURE 9" WIDE X 4 ¾" SEWN (POINT TO POINT) AND BE SET WITH A FIVE (5) NEEDLES SAFETY STITCH TO PREVENT CROTCH SEAM FAILURE.

FLY CONSTRUCTION SHALL INCLUDE A BRASS ZIPPER AND A FRENCH FLY TAB CLOSURE LOCATED ON THE INSIDE OF THE RIGHT FLY. THE TAB SHALL BE DOUBLE PLY MADE OF TROUSER MATERIAL. THE RIGHT FLY SHALL BE LINED WITH THE SAME COLOR AND MATERIAL AS THE POCKETING. THE FLY LINING SHALL BE SEWN TO THE LEFT FLY CONTINUING BELOW THE ZIPPER INTO THE CROTCH AREA. A BUTTON SHALL BE LOCATED ON THE LEFT FLY CORRESPONDING WITH THE FRENCH FLY TAB. THERE SHALL BE A STRAIGHT BAR TACK AT THE BOTTOM OF THE FLY GOING THROUGH THE ZIPPER TAPE. THE BAR TACK SHALL NOT FALL BELOW THE J-STITCH BAR TACK. IT MUST BE PARALLEL OR ABOVE THE J-STITCH BAR TACK. CONSTRUCTION OF THIS AREA IN A MANNER WHICH ALLOWS FOR THE ZIPPER TO BE EXPOSED IS UNACCEPTABLE.

**FLY & CROTCH (CONT.):**

THE STITCHING OF THE LEFT FLY SHALL BE UNIFORMLY SPACED FROM THE EDGE OF THE FLY. THE SEAM JOINING THE LEFT FLY TO THE FORE PART SHALL NOT BE EXPOSED ON THE OUTSIDE OF TROUSERS, WHEN CLOSED. A 1/16" EDGE STITCH SHALL BE USED TO CONTROL THE SEAM AND LEFT FLY FACING ON THE OUTSIDE OF THE GARMENT. ALL ZIPPER STITCHING TO BE 10-12 STITCHES PER INCH. THE FLY SHALL BE SMOOTH WITHOUT TWISTS OR PUCKERS. THE LEFT AND RIGHT FLY, CUT FROM SHELL CLOTH, SHALL BE NOT LESS THAN 1 ¼" IN FINISHED WIDTH.

BASED ON A STOCK SIZE MEN'S 38 REGULAR, THE FLY OPENING FROM THE BOTTOM OF THE WAISTBAND TO THE BARTACK AT THE BOTTOM OF THE J-STITCH, SHALL BE 8 5/8". THE FLY OPENING SHALL GRADE +/- 1/8" PER 1" WAIST SIZE. THE FLY OPENING AND ZIPPER LENGTH WILL CHANGE PROPORTIONATELY WITH REGULAR, SHORT AND LONG RISE. THE FLY OPENING IS FROM THE BOTTOM OF THE WAISTBAND TO THE BOTTOM OF THE J-STITCH. +/- ¼" TOLERANCE.

THERE SHALL BE A BLACK DOUBLE THICKNESS OF POLY/COTTON LINING SERGED TO THE FRONT QUARTER PANELS OF THE TROUSER. LINING SHALL BE MADE OF THE SAME MATERIAL AS THE POCKET LINING.

**SEAMS:**

PLAIN SIDE SEAMS. ALL SIDE SEAMS AND INSEAMS SHALL BE SINGLE NEEDLE CHAIN STITCHED USING HEAVY FLEXIBLE THREAD. STITCHING SHALL BE 1/16" APART. OUTSEAMS AND INSEAMS SHALL BE EDGE SERGED. ALL SEAT SEAMS SHALL BE DOUBLE NEEDLE STITCHED WITH A TANDEM NEEDLE MACHINE.

MATERIAL SHALL BE PROVIDED IN THE CENTER BACK SEAM FOR POSSIBLE ALTERATIONS SUFFICIENT TO ALLOW FOR A MINIMUM LET OUT CAPABILITY OF 2".

**SEWING:**

TROUSERS SHALL BE SEWN THROUGHOUT WITH POLY/COTTON CORE THREAD. OUTSEAMS AND INSEAMS SHALL BE EDGE SERGED AND PRESSED OPEN FOR SMOOTH, PUCKER FREE FINISH WITH REPEATED CLEANING AND PRESSING.

**SIZES:**

TROUSERS TO BE FURNISHED IN STOCK SIZES.

EACH GARMENT MUST BEAR A LABEL ATTACHED TO THE INSIDE WAISTBAND INDICATING SIZE OF TROUSERS, MANUFACTURER, MATERIAL BLEND, AND CARE INSTRUCTIONS. LETTERS AND/OR NUMBERS SHALL BE MACHINE IMPRINTED ON LABEL.

SIZES TO BE INDICATED ON PURCHASE ORDER BY BUYER.

**PACKAGING:**

TROUSERS SHALL BE SEPARATED BY SIZE AND SIZES SHALL BE BOXED SEPARATELY WHENEVER POSSIBLE.

EACH BOX SHALL HAVE APPROPRIATE MARKINGS TO IDENTIFY CONTENTS AS TO ITEM AND SIZE.

**Trousers, Female, Dept. of Safety and Homeland Security, Uniform**

**MATERIAL:**

THE FABRIC SHALL BE TEXTILE IMPORT CORPORATION.

MODEL: T319373PT-17 OR TIC319373PFN-17 with PFAS Free

COLOR: OD GREEN

WEIGHT: 13 OZ LINEAR YARD

CONTENT: 74% DACRON POLYESTER / 24% WOOL / 2% LYCRA.

FINISH: NANOTEX

FABRIC MUST MEET A MINIMUM PILLING RATING OF 4.0 OR GREATER.

EACH GARMENT MUST BEAR A LABEL ATTACHED TO INSIDE OF TROUSER.

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 INSTALLED WITH PLASTIC STAPES FOR EASY REMOVAL WITHOUT DAMAGING TROUSER MATERIAL AND SHOWING SIZE WHEN TROUSERS ARE STACKED.

ALL POCKETING AND FLY LINING MATERIAL SHALL BE 70% POLYESTER / 30% COTTON, 2.9 OZ PER SQUARE YARD (60" WIDTH) WITH A MINIMUM 82X64 THREAD COUNT, POCKETING MUST HAVE A DURABLE PRESS FINISH AND THE COLOR OF THE POCKETING MUST BE BLACK.

HEAVY WEIGHT, BRASS ZIPPER, YKK58 OR EQUAL.

**STYLE:**

PLAIN FRONT TROUSER WITH ZIPPER FLY, TWO (2) QUARTER TOP FRONT POCKETS AND TWO (2) BACK POCKETS PROFESSIONALLY FINISHED WITH NO VISIBLE TOPSTITCHING AND TWO (2) UTILITY POCKETS. WORK WEAR INDUSTRIAL STYLE CONSTRUCTION IS UNACCEPTABLE AND SHALL BE CAUSE FOR REJECTION.

NO SUSPENDER BUTTONS.

**WAISTBAND:**

THE WAISTBAND SHALL BE DESIGNED TO ALLOW FOR 2" OF MECHANICAL EXPANSION THROUGH TWO (2) UNIQUE DOUBLE WAISTBAND PANELS WITH 1 ¼" ELASTIC BUILT IN (EXPAND ON DEMAND WAISTBAND). THE FRONT WAISTBAND SHALL BE HELD WITH A HIDDEN 3"X2" ELASTIC ATTACHED TO A TAPERED TAB OF SELF-MATERIAL. THE



## **WAISTBAND (CONT.):**

INSIDE WAISTBAND SHALL BE HELD WITH 3.5" X 2" ELASTIC SEWN TO THE WAISTBAND INSIDE FOLD BACK TO A SEPARATE ENCLOSED CHANNEL WHICH IS JOINED TO THE FRONT WAISTBAND CHANNEL AT THE TOP OF THE FRONT POCKET OPENING. THE ELASTIC SHALL REMAIN CONCEALED EVEN WHEN THE WAISTBAND IS STRETCHED TO ITS MAXIMUM LENGTH. THE CURTAIN SHALL BE MADE OF THE HEAVY-DUTY TUXEDO POCKETING MATERIAL LISTED ABOVE, BIAS-CUT, AND SHALL HAVE A CONTINUOUS PARALLEL 7/16" WIDE SILICONE BAND DESIGNED TO WORK WITH THE CORRESPONDING SRS (SHIRT RETENTION SYSTEM) SHIRT GRIPPERS FOR MAXIMUM SHIRT RETENTION. THE FINISHED WAISTBAND SHALL BE SET ON AND SHALL BE STITCHED BELOW THE LOWER EDGE THROUGH THE OUTER FABRIC AND THE WAISTBAND CURTAIN.

THE TROUSER SHALL BE MADE WITH A WAISTBAND SYSTEM WHICH IS DESIGNED TO PROVIDE THE WEARER WITH A MORE COMFORTABLE AND BETTER FITTING TROUSER.

THE WAISTBAND SHALL BE CONSTRUCTED USING THE "CLOSED METHOD" AND SHALL MEASURE A MINIMUM OF 2" WIDE WHEN FINISHED. THE WAISTBAND CLOSURE SHALL BE ACCOMPLISHED WITH TWO (2) CRUSH PROOF HOOKS AND EYES CENTERED ON THE WAISTBAND FOR MAXIMUM WEARER COMFORT AND STRENGTH. THE HOOKS AND EYES SHALL BE REINFORCED AND CENTERED ON A 1 1/2" X 7/8" NON-WOVEN, 90% POLYESTER AND 10% CELLULOSE STAY TAPE, BRAND: QST INDUSTRIES: 7/8" NON-WOVEN POLY ASTRO II OR EQUAL THAT IS ANCHORED WITH TOPSTITCHING THROUGH AND THROUGH TO THE TOP OF THE WAISTBAND. (BAR TACKS IN PLACE OF TOPSTITCHING SHALL BE CAUSE FOR REJECTION). IN ADDITION TO THE STITCHING OF THE WAISTBAND WHEN IT IS SET ONTO THE TROUSER, THE WAISTBAND SHALL BE TOPSTITCHED BELOW THE WAISTBAND SEAM THROUGH THE WAISTBAND CURTAIN FOR ADDED STRENGTH. THE BACK CENTER SEAM OF THE TROUSER SHALL BE FINISHED TO ALLOW FOR ALTERATIONS (WITH AMPLE BASIC TROUSER FABRIC AND WAISTBAND CURTAIN MATERIAL TO ALLOW TROUSER SIZE TO BE INCREASED AT LEAST ONE SIZE). THE OUTLET IN THE SEAT SHALL BE IN PROPORTION TO WAIST OUTLET SO SEAT MAY ALSO BE LET OUT. SEAT SEAM SHALL BE SEWN WITH A TANDEM NEEDLE MACHINE OR EQUAL (DOUBLE-NEEDLE STITCH) FOR MAXIMUM STRENGTH.

THE WAISTBAND CURTAIN IS COMPOSED OF TWO (2) ELASTIC COMPONENTS, WHICH GIVE THE WAISTBAND A TWO-ZONE COMFORT FIT AND BREATHABILITY. WAISTBAND MUST BE FINISHED WITH ZIGZAG STITCH PERFORMED ON A ROCAP MACHINE OR EQUAL.

TROUSERS SHALL BE MADE ON AN UPDATED UNIFORM PATTERN WHICH DOES NOT RESEMBLE A JEANS PATTERN. HIP HUGGER STYLE TROUSERS WILL NOT BE PERMITTED.

## **WAISTBAND (CONT.):**

TROUSER SHALL HAVE A PERFORMANCE STRETCH WAISTBAND WITH THE UPPER AND LOWER PORTION OF THE BAND PROVIDING DIFFERENT FUNCTIONS. THE WAISTBAND CURTAIN SHALL BE COMPOSED OF TWO (2) ELASTIC COMPONENTS WHICH GIVE IT TWO-ZONE COMFORT FIT AND BREATHABILITY.

THE TOP PART OF THE WAISTBAND CURTAIN CONTAINS A LOWER STRETCH ZONE DESIGNED TO GIVE WITH THE WEARER'S MOVEMENTS INCLUDING SITTING OR BENDING. THIS UPPER ZONE OF THE WAISTBAND CURTAIN IS COMPOSED OF A 1 ½" 30% STRETCH MONOFILAMENT ELASTIC THAT IS AROUND THE ENTIRE WAISTBAND PROVIDING STABILITY, PREVENTING WAISTBAND ROLLOVER, AND ALLOWING FOR A COMFORT STRETCH WITH WEARER MOVEMENT.

THE SPECIFICATIONS FOR THE UPPER ELASTIC ARE AS FOLLOWS:

WIDTH: 1 ½"

STRETCH: 30%

WARP: 150 DENIER TEXTURED POLYESTER, 21 ENDS FILLING ELEMENT 1: .011" DIAMETER TRANSPARENT TYPE 66 NYLON, ONE END FILLING.

ELEMENT 2: 150 DENIER TEXTURED POLYESTER, 2 ENDS ELASTOMER: 840 DENIER TRANSPARENT SPANDEX, 21 ENDS OVERALL CONTENTS: 59% POLYESTER, 41% RUBBER.

THE UPPER ZONE OF THE WAISTBAND CURTAIN INTERLINING (ELASTIC BAND) IS TO BE LINED IN THE SAME COLOR AND MATERIAL AS THE TROUSER POCKETING AND IT SHALL BE CUT ON A 45-DEGREE BIAS TO ALLOW FOR MAXIMUM STRETCH. THE WAISTBAND TROUSER FABRIC SHALL BE CUT ACROSS THE CLOTH TO ALLOW FOR MAXIMUM STRETCH IN SYNERGY WITH THE WAISTBAND CURTAIN.

THE LOWER PART OF LOWER ZONE OF THE WAISTBAND SHALL BE THE SAME COLOR AS THE TROUSER POCKETING. IT IS DESIGNED TO STRETCH OVER THE HIPS FOR COMFORT, HELP KEEP THE TROUSER SECURELY POSITIONED ON THE WEARER'S WAIST, AND TO HELP PREVENT SLIPPAGE. THIS LOWER PORTION OF THE WAISTBAND CURTAIN IS MADE WITH 65% STRETCH ELASTIC. THIS ZONE ALSO INCORPORATES TRU-GRIP, A ½" WIDE RUBBERIZED (55 GAUGE RUBBER) SURFACE AREAS WHICH ACTS TO HOLD THE SHIRT IN PLACE INSIDE THE TROUSER TO HELP KEEP SHIRT TAILS TUCKED INTO THE WAIST FOR A NEAT AND PROFESSIONAL APPEARANCE.

THE SPECIFICATIONS FOR THE LOWER ELASTIC ARE AS FOLLOWS:

WIDTH: 1 ¾"

STRETCH: 65%

FACE: 70/2 STRETCH NYLON, 104 ENDS

BINDER: 150/2 TEXTURED POLYESTER, 32 ENDS

EDGE: 70/2 STRETCH NYLON, 11 ENDS

FIGURE, 100/2 STRETCH NYLON, 16 ENDS

RUBBERIZED AREA: 55 GAUGE RUBBER, 33 ENDS CATCH THREAD: 70/2

STRETCH NYLON, 1 END ELASTOMER CORE: 1680 LYCRA, 38 ENDS

**WAISTBAND (CONT.):**

ELASTOMER TOP COVER: 150/1 TEXTURED POLYESTER, 1 END  
ELASTOMER BOTTOM COVER: 100/1 BRIGHT NYLON, 1 END  
FILLING: 250 MONOFILAMENT NYLON, 2 ENDS  
OVERALL CONTENTS: 46% NYLON, 15% POLYESTER, 25% RUBBER, 14% SPANDEX.

**BELT LOOPS:**

LOOPS SHALL BE EVENLY SPACED. LOOPS SHALL BE SEWN IN TOP AND UNDERSIDE OF WAISTBAND. THERE SHALL BE A MINIMUM OF NINE (9) BELT LOOPS ON SIZES 22 AND ABOVE. SIZES 20 AND BELOW SHALL HAVE SEVEN (7) BELT LOOPS. BELT LOOPS ARE TO MEASURE 3/4" IN WIDTH OF DOUBLE THICKNESS. EACH LOOP MUST HAVE A NON-WOVEN INTERLINING FOR ADDED DURABILITY. ALL LOOPS (EXCEPT BACK CENTER) MUST BE SEWN INTO THE TOP AND BOTTOM OF THE WAISTBAND ("DROPPED" BELT LOOPS THAT ARE TACKED TO THE OUTSIDE OF THE TROUSER ALL AROUND WAIST SHALL BE CAUSE FOR REJECTION). THE TOP OF THE BELT LOOPS (EXCEPT BACK CENTER) SHALL BE SEWN INTO THE CURTAIN SEAM WITH A ROCAP MACHINE OR EQUAL USING A ZIGZAG STITCH. THE BOTTOM OF THE CENTER BACK LOOP SHALL BE TACKED TO THE TROUSER AND THE TOP OF THE LOOP TACKED TO THE OUTSIDE OF THE WAISTBAND TO ALLOW FOR EASIER WAIST ALTERATION.

**TROUSERS:**

TROUSERS SHALL BE IN CONFORMITY WITH SIZE OF GARMENT, SEE SIZE CHART: TOLERANCE IS +/- 1/2"  
SEE HOW TO MEASURE GUIDE ATTACHED

RISE MEASUREMENT:

SHORT = -1/2"

REGULAR = AS CHART

LONG = +3/4"

A 1" BLACK CLOTH STRIPE OF SAME MATERIAL AS TROUSERS SHALL BE SET IN TROUSER LEG SIDE SEAM EXTENDING FROM WAISTBAND TO THE BOTTOM OF THE TROUSER LEG.

SIZE	WAIST
2	28
4	29
6	30
8	31
10	32
12	34
14	36
16	38
18	40
20	42
22	44
24	46
26	48
28	50
30	52
32	54
34	56

**POCKETS:**

ALL POCKETING SHALL BE HEAVY-DUTY BLACK 150-DENIER 70% POLYESTER / 30% COTTON TUXEDO POCKETING WITH A MINIMUM THREAD COUNT OF 82X64, THE WAISTBAND AND INSIDE SEAM BINDING SHALL BE MADE WITH POCKETING MATERIAL CUT ON THE BIAS.

THE TWO (2) FRONT SIDE POCKETS SHALL BE QUARTER TOP STYLE, OPENING SHALL BE 1 ¼" (+/- 1/8" TOLERANCE), MEASURED FROM THE SIDE SEAM TO THE POCKET EDGE, DEEPLY FACED, BAR TACKED AT THE CORNERS WITH A MINIMUM OPENING OF 6" MEASURED FROM THE BOTTOM OF THE WAISTBAND TO THE BARTACK AT THE SIDE SEAM AND A MINIMUM DEPTH OF 6" MEASURED FROM THE BOTTOM OF THE OPENING. POCKETS SHALL HAVE STRAIGHT BAR TACKS AT TOP AND BOTTOM OF POCKET OPENING. FRONT POCKET FACING AND BARRIER SHALL BE MADE OF THE TROUSER MATERIAL. POCKETS SHALL BE DOUBLE TIPPED.

BACK POCKETS SHALL BE 5 ½" WIDE (BAR TACK TO BAR TACK) OPENING AND A MINIMUM DEPTH OF 6" IN DEPTH MEASURED FROM THE BOTTOM OF THE POCKET OPENING. BACK POCKETS ARE TO BE CONSTRUCTED USING THE DOUBLE WELT METHOD. THE WELTS SHOULD BE FINISHED IN SUCH A MANNER THAT THERE IS NO TOPSTITCHING (TOPSTITCHED HIP POCKETS SHALL BE CAUSE FOR REJECTION).

THE CORNERS OF THE POCKET SHOULD HAVE TRIANGLE BAR TACKS FOR REINFORCEMENT. BACK POCKET FACING AND BARRIER ARE TO BE MADE OF BASIC TROUSER MATERIAL. FACING SHALL BE A MINIMUM OF ¾" AND THE BARRIER SHALL BE A MINIMUM OF 1 ½".

BOTH POCKETS SHALL HAVE POCKET FLAPS MADE OF THE BASIC TROUSER FABRIC INSERTED INTO THE TOP WELT. A BUTTON SHALL BE LOCATED BELOW THE BOTTOM WELT CORRESPONDING IN LOCATION WITH A CONCEALED BUTTONHOLE MADE OF AN ADDITIONAL PIECE OF OLIVE DRAB FELT, BRAND QST (312-930-9400) OR EQUAL, SET ON THE UNDERSIDE OF THE POCKET FLAP.

**UTILITY POCKETS FOR BLACKJACK AND FLASHLIGHT:**

TWO (2) UTILITY POCKETS TO BE 3 ½" BELOW BACK HIP POCKETS AND 1 ¼" FROM SIDE SEAM, MEASURED FROM THE MIDDLE OF THE BLACK STRIPE, WITH A MINIMUM OPENING OF 3 ½" AND A MINIMUM DEPTH OF 7". POCKETING MATERIAL TO BE SAME AS SIDE AND BACK POCKETS. UTILITY POCKETS TO BE CONSTRUCTED USING THE DOUBLE WELT METHOD AND FINISHED IN SUCH A MANNER THAT THERE IS NO TOPSTITCHING. THE CORNERS OF THE UTILITY POCKET SHALL HAVE TRIANGLE BAR TACKS FOR REINFORCED STRENGTH. TOLERANCE IS +/- ¼".

**BUTTONS & FASTENERS:**

TWO (2) METAL FASTENERS TO BE PLACED ON WAISTBAND AT TOP OF ZIPPER FLY. ONE (1) GREEN MELAMINE BUTTON FOR FRENCH FLY TAB AND ONE (1) EACH FOR BACK POCKETS.

## **FLY & CROTCH:**

THE RIGHT FLY AND FRONT CROTCH LININGS SHALL BE THE SAME FABRIC AND COLOR AS THE WAISTBAND CURTAIN. THERE SHALL BE A TC#8000 INTERLINING SEWN BETWEEN THE FLY AND THE FLY LINING TO GIVE ADDITIONAL STABILITY AND STRENGTH TO THE FLY. THE RIGHT FLY LINING SHALL BE SEWN TO THE LEFT FLY BELOW THE ZIPPER AND CONTINUE CENTERED ON THE JOIN SEAM ACROSS THE INSEAM AND END 1" ONTO THE BACK SEAM. A SEPARATE FRENCH FLY MADE OF THE OUTER FABRIC WITH A LINING OF REINFORCED POCKETING SHALL BE SEWN TO THE INSIDE RIGHT FLY. THE FLY ATTACHMENT BUTTON SHALL BE A LIGNE 20, 100% POLYESTER DURABLE BUTTON. THE BUTTON SHALL PASS ASTM 5171-1191, USING A .84 KG MASS DROPPED FROM 66 MM.

THERE SHALL BE A DIAMOND SHAPED REINFORCED CROTCH GUSSET WHICH IS TO BE MADE FROM THE TROUSER FABRIC TO PROVIDE COMFORT AND MOBILITY. THE DIAMOND SHAPED REINFORCED CROTCH GUSSET SHALL MEASURE 9" WIDE X 4 ¾" SEWN (POINT TO POINT) AND BE SET WITH A FIVE (5) NEEDLES SAFETY STITCH TO PREVENT CROTCH SEAM FAILURE.

FLY CONSTRUCTION SHALL INCLUDE A BRASS ZIPPER AND A FRENCH FLY TAB CLOSURE LOCATED ON THE INSIDE OF THE RIGHT FLY. THE TAB SHALL BE DOUBLE PLY MADE OF TROUSER MATERIAL. THE RIGHT FLY LINING SHALL BE SEWN TO THE LEFT FLY CONTINUING BELOW THE ZIPPER INTO THE CROTCH AREA. A BUTTON SHALL BE LOCATED ON THE LEFT FLY CORRESPONDING WITH THE FRENCH FLY TAB. THERE SHALL BE A STRAIGHT BAR TACK AT THE BOTTOM OF THE FLY GOING THROUGH THE ZIPPER TAPE. THE BAR TACK SHALL NOT FALL BELOW THE J-STITCH BAR TACK. IT MUST BE PARALLEL OR ABOVE THE J-STITCH BAR TACK. CONSTRUCTION OF THIS AREA IN A MANNER WHICH ALLOWS FOR THE ZIPPER TO BE EXPOSED IS UNACCEPTABLE.

THE STITCHING OF THE LEFT FLY SHALL BE UNIFORMLY SPACED FROM THE EDGE OF THE FLY. THE SEAM JOINING THE LEFT FLY TO THE FLARE PART SHALL NOT BE EXPOSED ON THE OUTSIDE OF TROUSERS, WHEN CLOSED. A 1/16" EDGE STITCH SHALL BE USED TO CONTROL THE SEAM AND LEFT FLY FACING ON THE OUTSIDE OF THE GARMENT. ALL ZIPPER STITCHING TO BE 10-12 STITCHES PER INCH. THE FLY SHALL BE SMOOTH WITHOUT TWISTS OR PUCKERS. THE LEFT AND RIGHT FLY, CUT FROM SHELL CLOTH, SHALL BE NO LESS THAN 1 ¼" IN FINISHED WIDTH.

BASED ON A STOCK SIZE WOMEN'S 12 REGULAR, THE FLY OPENING FROM THE BOTTOM OF THE WAISTBAND TO THE BAR TACK AT THE BOTTOM OF THE J-STITCH, SHALL BE 6 ½". THE FLY OPENING SHALL GRADE 1/8" ON SIZES SMALLER THAN AN 8 REGULAR AND GRADE A ¼" ON SIZES GREATER THAN 8 REGULAR (EVEN SIZES ONLY). THE FLY OPENING AND ZIPPER LENGTH WILL CHANGE PROPORTIONATELY WITH REGULAR, PETITE AND TALL RISE. THE FLY OPENING IS FROM THE

BOTTOM OF THE WAIST BAND TO THE BOTTOM OF THE J-STITCH. +/- 1/4" TOLERANCE.

**FLY & CROTCH (CONT.):**

THERE SHALL BE A BLACK DOUBLE THICKNESS POLY/COTTON LINING SERGED TO THE FRONT QUARTER PANELS OF THE TROUSER. LINING SHALL BE MADE FROM THE SAME MATERIAL AS THE POCKET LINING.

**SEAMS:**

PLAIN SIDE SEAMS. ALL SIDE SEAMS AND INSEAMS SHALL BE SINGLE NEEDLE CHAIN STITCHED USING HEAVY FLEXIBLE THREAD. STITCHING SHALL BE 1/16" APART. OUTSEAMS AND INSEAMS SHALL BE EDGE SERGED. ALL SEAT SEAMS SHALL BE DOUBLE NEEDLE STITCHED WITH A TANDEM NEEDLE MACHINE.

MATERIAL WILL BE PROVIDED IN THE CENTER BACK SEAM FOR POSSIBLE ALTERATIONS SUFFICIENT TO ALLOW FOR A MINIMUM LET OUT CAPABILITY OF 2".

**SEWING:**

TROUSERS TO BE SEWN THROUGHOUT WITH POLY/COTTON CORE THREAD. OUTSEAMS AND INSEAMS SHOULD BE EDGE SERGED AND PRESSED OPEN FOR SMOOTH PUCKER FREE FINISH WITH REPEATED CLEANING AND PRESSING.

**SIZES:**

TROUSERS TO BE FURNISHED IN STOCK SIZES.

EACH GARMENT MUST BEAR A CLOTH LABEL ATTACHED TO INSIDE WAISTBAND INDICATING SIZE OF TROUSERS, MANUFACTURER, MATERIAL BLEND AND CARE INSTRUCTIONS. LETTERS AND/OR NUMBERS SHALL BE MACHINE IMPRINTED ON LABEL.

SIZES TO BE INDICATED ON PURCHASE ORDER BY BUYER.

**PACKAGING:**

TROUSERS SHALL BE SEPARATED BY SIZE AND SIZES SHALL BE BOXED SEPARATELY WHENEVER POSSIBLE.

EACH BOX SHALL HAVE APPROPRIATE MARKINGS TO IDENTIFY CONTENTS AS TO ITEM AND SIZE.

## **ADDITIONAL CONSIDERATIONS:**

### **SAMPLES and FUTURE GARMENTS**

- a. The Contractor shall supply the State with a sample of one (1) long sleeve shirt, one (1) short sleeve shirt, and one (1) pair of trousers within forty-five (45) calendar days of the Effective Date of the Agency Term Contract.
- b. The design and final samples shall be approved in writing by State designated personnel prior to further production of any additional uniforms.
- c. Once approval has been provided for the final design, the Contractor shall not change the manufacturer of all future uniforms throughout the Term of the Contract without the written approval of the State.

### **SHIPPING**

- a. Shipping costs shall be factored into the cost of each individual garment. No separate shipping costs shall be billed to the State.
- b. There shall be no minimum of the number of garments that are ordered for shipping.

### **ORDER REQUIREMENTS**

- a. No minimum quantity shall be required for each order placed.

### **ORDER FULFILLMENTS**

- a. Orders shall be fulfilled within one hundred five (105) calendar days of receipt of AN approved purchase order from the State.