



Hall County Government
FINANCIAL SERVICES

EXHIBIT G
COAT and PANT PROTECTIVE
CLOTHING SPECIFICATIONS

**IFB #005-45 FIREFIGHTING EQUIPMENT
ANNUAL CONTRACT**

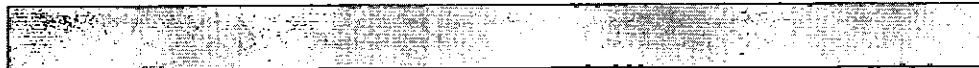
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DIRECTOR
Wesley Geddings

**MUST FILL OUT ONE FORM FOR ITEM #4,
JANESVILLE V-FORCE SWING COAT, and
ITEM #5, JANESVILLE V-FORCE PANT with
BELT found on EXHIBIT C – MANDATORY
COST PORPOSAL WORKSHEET.**

**COAT and PANT
PROTECTIVE CLOTHING SPECIFICATIONS
NFPA 1971, 2018 EDITION**



SCOPE

The purpose of the clothing is to provide protection during structural fire-fighting operations where there is a threat of fire or when certain physical hazards are likely to be encountered, such as during non-fire-related rescue operations, emergency medical operations, and victim extrication.

COMPLIANT **EXCEPTION**

STANDARDS

All garments produced shall meet or exceed the criteria set forth in the current edition of NFPA 1971 STANDARD ON PROTECTIVE ENSEMBLES FOR STRUCTURAL FIRE FIGHTING AND PROXIMITY FIRE FIGHTING, FED-OSHA CFR 1910, Subpart L, OSHA 29 CFR Part 1910.1030 and/or the requirements of CAL-OSHA title 8, Article 10.1, Para. 3406.

COMPLIANT **EXCEPTION**

All components and composites used in the construction of garments shall be third party tested, certified, and listed for compliance to NFPA 1971. The label of the third-party certification organization shall denote certification.

COMPLIANT **EXCEPTION**

The manufacturer shall be registered to the ISO Standard 9001 to assure a satisfactory level of quality.

COMPLIANT **EXCEPTION**

COMPOSITE PERFORMANCE

The garment composite, consisting of the outer shell, moisture barrier and thermal liner, shall provide a Thermal Protective Performance (TPP) of not less than 47 when tested in accordance with NFPA 1971 standard.

COMPLIANT **EXCEPTION**

The garment composite, consisting of the outer shell, moisture barrier and thermal liner, shall provide a Total Heat Loss (THL) of not less than 267 when tested in accordance with NFPA 1971 standard.

COMPLIANT **EXCEPTION**

The Heat Transfer Index rating shall be a minimum of 25 seconds for the shoulder when measured at 2 psi (pounds per square inch) and a minimum of 25 seconds for the knee when measured at 8 psi.

COMPLIANT **EXCEPTION**

OUTER SHELL MATERIAL

The outer shell shall be constructed of +/- 6.0 oz./sq. yd. 70% "PBI Dominant" PBI®/KEVLAR® spun yarns/30% 600 denier KEVLAR® filament in a twill weave with extremely durable FPE water resistant Teflon® FPE alloy finish. Color shall be natural (gold).

COMPLIANT EXCEPTION

MOISTURE BARRIER MATERIAL

The moisture barrier shall be comprised of NOMEX® substrate laminated to a lightweight breathable, Teflon membrane; weighing 5 oz./sq. yd.

COMPLIANT EXCEPTION

THERMAL BARRIER MATERIAL

The thermal liner shall be comprised of Glide Ice™ high-lubricity, stress reducing, filament/spun face cloth weighing 3.6 oz./sq.yd. The Nomex filament yarns shall represent no less than 60% of the face cloth's composition and shall be positioned in the warp direction of the weave in order to optimize their slippery characteristics on the face. Spun yarns comprised of 30% Nomex and 10% Lenzing FR with superior wicking characteristics shall be used to promote moisture management within the garment. The Glide Ice™ face cloth shall be quilted to one layer of apertured (11-13 apertures/sq. inch) spunlace aramid (85% NOMEX®/15% KEVLAR®) weighing approximately 1.5 oz./sq. yd with a Teflon® finish to promote minimal moisture stored in the garment microclimate as well as promote rapid drying. An additional layer of 3.0+ oz./sq. yd. NOMEX® Chambray face cloth with a Teflon finish shall be positioned toward the outer shell. This layer provides additional thermal insulation and is treated with a Teflon finish to promote minimal moisture storage in the garment as well as promote rapid drying (Total weight +/- 8.0 oz./sq. yd.).

COMPLIANT EXCEPTION

STRESS POINTS

All outer shell stress points, including top and bottom pocket corners, pocket flap corners, top and bottom of storm flap/fly shall be reinforced using a 42-stitch bartack.

COMPLIANT EXCEPTION

REFLECTIVE TRIM

All trim shall be sewn with four rows lockstitch 301, minimum six stitches/inch for most secure trim attachment. Trim shall be 3" Ventilated Scotchlite™ Triple Trim (lime/yellow).

COAT – Coat trim shall be applied as follows: One 3" strip shall be set full circumference at the bottom sweep of the outer shell; one 3" strip shall be set around each sleeve approximately 2" above the cuff; one 3" strip shall be set around each sleeve just above the elbow; one 3" strip shall be set full circumference at the chest; two 3" V shaped vertical strips shall be set at an angle from hem trim to back chest trim of the coat.

PANT - Pant trim shall be applied as follows: One strip set full circumference around the bottom of the cuff 2"-3" from the bottom cuff.

COMPLIANT EXCEPTION

SIZES

Coats shall be made available in even chest sizes with corresponding sleeve lengths available in short, regular, and long. Pant sizes shall be made available in even waist sizes with inseam lengths available in extra short, short, regular, and long. Male and female sizing is available.

COMPLIANT **EXCEPTION**

NOTE: All measurements are approximate and have an industry standard +/- tolerance. Positioning of parts on smaller size garments also may vary due to limited space available on smaller chest and waist sizes.

LABELING

Each garment shall have a garment label(s) permanently and conspicuously attached stating at least the following language, as well as detailed warning instructions provided by the manufacturer.

DO NOT REMOVE THIS LABEL.

THIS STRUCTURAL FIREFIGHTING PROTECTIVE GARMENT MEETS THE GARMENT REQUIREMENTS OF NFPA 1971, 2018 EDITION.

MADE IN THE U.S.A.

COMPLIANT **EXCEPTION**

TRACKING LABEL SYSTEM

There shall be a bar code label permanently affixed to each garment for tracking purposes. The bar code shall contain a unique serial number and shall be able to withstand customary wash and wear cycles. There shall also be a label with the minimum of the following information:

- A. Unique serial number
- B. Item description (brand, model, material color)
- C. Lot information (date of mfg., size, etc.)
- D. Material description
- E. The standard to which the garment is compliant

COMPLIANT **EXCEPTION**

PACKAGING

Each Coat and Pant shall be packaged in a dark plastic bag in order to provide protection during shipping and prior to first use.

COMPLIANT **EXCEPTION**

USER INFORMATION GUIDE

Each garment shall include a hang tag with a website address that links to an online, electronic User Information Guide with information required by NFPA 1971. This guide shall include:

A. PRE-USE INFORMATION

- Safety considerations
- Limitations of use
- Garment marking recommendations and restrictions
- A statement that most performance properties of the garment cannot be tested by the user in the field
- Warranty information

B. PREPARATION FOR USE

- Sizing/adjustment
- Recommended storage practices

C. INSPECTION

- Inspection frequency and details

D. DON/DOFF

- Donning and doffing procedures
- Sizing and adjustment procedures
- Interface issues

E. USE

- Proper use consistent with NFPA 1500, Standard on Fire Department, Occupational Safety and Health Program, and 29 CFR 1910, 132

F. MAINTENANCE AND CLEANING

- Cleaning instructions and precautions with a statement advising users not to use garments that are not thoroughly cleaned and dried
- Inspection details
- Maintenance criteria and methods of repair where applicable
- Decontamination procedures for both chemical and biological contamination

G. RETIREMENT AND DISPOSAL

- Retirement and disposal criteria and considerations

H. DRAG RESCUE DEVICE (DRD)

- Use, inspection, maintenance, cleaning, and retirement of the DRD

COMPLIANT **EXCEPTION**

WARRANTY

Each garment shall have a limited lifetime warranty against defects in material and workmanship.

COMPLIANT **EXCEPTION**

COUNTRY OF ORIGIN

The garments shall be manufactured in the United States.

COMPLIANT **EXCEPTION**

COAT

COAT CONSTRUCTION

The coat is designed of a 3-panel construction in all layers of the innovative V-fit design. For optimum comfort and mobility an inverted pleat on each side where back front and back body panel pieces meet shall be incorporated. Each pleat shall begin at the back of each shoulder and shall extend vertically down the side of the coat. A combination moisture barrier/thermal liner shall include a corresponding 1" inward dynamic fold approximately 1.5" from each sleeve seam at the shoulder. This fold shall provide for coat expansion when extending arms forward and shall interface with the inverted pleats of the outer shell to maximize mobility and function of the outer shell and thermal liner. When measured at the center of the back from the collar seam to the hem bottom, the coat shall measure – 29", 30.5" 32", 33.5" or 35" long; 29" or 32" female. Sleeves shall be of raglan design in the front and set in design in back.

COMPLIANT EXCEPTION

MOISTURE BARRIER/THERMAL LINER CONSTRUCTION

Design shall be compatible with the outer shell so that the liner does not buckle, pull, or otherwise restrict body motion. The left and right fronts of the moisture barrier/thermal liner shall be attached to the facings at the front closure of the outer shell. The moisture barrier/thermal liner shall be secured to the outer shell collar such that when donning the coat an arm may not be accidentally caught between the outer shell and its inner linings.

The liner shall have one internal pocket which shall be made of black outer shell material. The liner pocket shall be located on the left side of coat liner.

The moisture barrier shall be completely sewn to a durable water repellent finish treated META-ARAMID facecloth at its perimeter. The moisture barrier shall be sewn to the thermal liner at its perimeter with the breathable membrane oriented inward toward the thermal liner and away from the outer shell. All moisture barrier seams shall be sealed as required by NFPA 1971. The moisture barrier/thermal liner shall finish no more than 1" from the cuffs and 2" from the hem.

COMPLIANT EXCEPTION

MOISTURE BARRIER/THERMAL LINER ATTACHMENT

Completely Removable: The moisture barrier/thermal liner shall be completely detachable from the outer shell for ease of cleaning by the use of hook and loop, zippers, and snaps. There shall be a thermoplastic zipper and two snaps down each front facing, hook and loop shall also be located around the entire neck opening. In addition, there will be a snap for alignment along the bottom of the liner, and one snap and hook and loop at each sleeve end.

COMPLIANT EXCEPTION

COAT LINER INSPECTION SYSTEM

There shall be a 12" opening located on the coat liner system at the center right front of the liner. This opening will provide the ability to completely invert the coat liner to properly view the integrity of the entire liner system. There shall be one piece 1" x 6" Loop sewn to the back side of the liner system with a piece of 1.5" x 5" Hook sewn to the inside of the outer shell to ensure proper alignment when installing the liner system into the outer shell. This Liner Inspection System is completely hidden when the liner is properly installed into the outer shell.

COMPLIANT EXCEPTION

COLLAR

The 3" split collar shall consist of two-piece construction shaped for comfort. The collar shall be configured such that when the collar is raised it shall remain standing while providing continuous thermal and moisture protection around the neck and face. To ensure this protection, the two layers of outer shell collar shall be fully lined with a layer of moisture barrier. The shell collar shall provide proper interface with the liner to insure no moisture penetration through the collar seam to the inside of coat. The shell collar shall have multiple pieces 3/4" hook along top edge for liner attachment. The liner collar shall be a layer of self-material and a layer of moisture barrier. The design shall be compatible with the outer shell so that the liner does not buckle, pull, or otherwise restrict body motion. The left and right fronts of the liner collar shall be attached to the facings at the front closure of the outer shell. The neck of the liner collar shall be secured to the neck of the outer shell collar such that when donning the coat an arm may not be accidentally caught between the outer shell and its inner linings. A 4" wide piece of moisture barrier and 1.5" self-material extension shall be sewn the full length of the neck with two pieces of 1" loop for attachment to shell collar. The self-material extension shall overlap the shell collar to prevent exposure of the hook and loop. Collar closure shall be provided by hook and loop 1.5" x 4", with hook portion sewn on right side of collar, and loop portion sewn on left, set horizontal. The collar shall be attached to the liner facing using 3/4" hook. Collar shall be of such design so as not to interfere with SCBA face masks, or helmet.

COMPLIANT EXCEPTION

DRAG RESCUE DEVICE (DRD)

The Fire Fighter Recovery Harness™ shall be constructed of a one and one-half inch wide PARA-ARAMID strap that shall be installed between the outer shell and the thermal liner. This harness shall have a hand loop (16" in circumference) that exits the outer shell through a 2" polymer coated aramid reinforced slot on the back of the coat just below the collar and is held in place by means of a piece of 1.5" x 2" loop on the strap and a piece of 1" x 3.5" loop attached to the outer shell. This strap is then secured under a 2.5" x 4.25" flap that is sewn in at the neck /collar area. One piece of 1" x 3.5" hook shall be set horizontally on shell to align with one piece of 1" x 3.5" loop set horizontally to the underside of the flap. The harness is also held in proper alignment by means of a piece of 2" x 2" loop placed on the inside of the outer shell underneath the chest trim that corresponds to a piece of 1.5" x 2" hook located on the harness. Two 1" x 3.5" self-fabric straps with 1" x 2" hook on one end and 1" x 2" loop on other end shall be set inside the coat in the shoulder cap area to keep straps in proper position for use. Fire Fighter Recovery Harness™ provides mechanical leverage for dragging a downed and incapacitated structural firefighter from a life-threatening environment. The design of the harness enables the rescuer to drag the downed firefighter in line with the axis of the firefighter's skeletal frame, in order to decrease the risk of further injury.

COMPLIANT EXCEPTION

HANGER LOOP

An external hanger loop constructed of a double layer of outer shell material and reinforced with two 42-stitch bartacks shall be provided on the outside of the coat at the collar seam. It shall be designed to provide long service and shall not tear or separate from the coat when the coat is hung by the hanger loop, loaded evenly with a weight of 80 lbs., and allowed to hang for one minute.

COMPLIANT EXCEPTION

THERMAL REINFORCED YOKE

A layer of Semper Dri™ (3.0 oz./sq. yd. durable water repellent (DWR) finish Chambray (META-ARAMID spun) face cloth quilted to two layers of META-ARAMID/PARA-ARAMID spunlace (total weight +/- 6.0-6.8 oz./sq. yd.) and a layer of quilted META-ARAMID/PARA-ARAMID spunlace with no facecloth shall be positioned between the moisture barrier and thermal liner for extra thermal protection in a high heat and compression area of the coat. It shall be sewn to the inside of the upper back portion of the thermal liner across the upper back from the back shoulder and collar seams 7" down, over the tops of shoulders and down the front approximately 4" ending at the armhole.

COMPLIANT EXCEPTION

SHOULDER CAPS

A 4" wide area at the top of the shoulders extending 6" from the collar seam shall be capped with outershell material for abrasion resistance and thermal protection. For additional thermal protection and cushioning, one layer of uninterrupted 1/8" thick, fire retardant closed-cell foam shall be oriented between the outer shell and the shoulder cap reinforcement.

COMPLIANT **EXCEPTION**

V-FIT™ ELBOW

The sleeve shall have an insert throughout all layers that shall provide a natural bend in the sleeve. This elbow shall include cut outs, shaped pieces, and darts to create free movement with few restrictions. The insert shall consist of self-fabric for abrasion resistance and thermal protection. In addition to reinforcement, elbows shall be padded using one layer of uninterrupted 1/8" thick, fire retardant closed-cell foam. The reinforcement material shall be oriented between the outer shell and elbow insert reinforcement.

COMPLIANT **EXCEPTION**

SLEEVE WELL

A combination Semper Dri™ (3.0 oz./sq. yd.), a durable water repellent finish treated Chambray (META-ARAMID spun) face cloth quilted to two layers of META-ARAMID/PARA-ARAMID spunlace (total weight +/- 6.0-6.8 oz./sq. yd. and one layer of breathable moisture barrier leader shall be sewn no more than 1" back from the combination liner sleeve end to form a sleeve well. This leader shall be approximately 4" in length and end with a gathering of 1" elastic. One male snap and one .75" wide strip of loop shall be sewn full circumference to the end of the thermal liner/moisture barrier leader to help secure the combination liner to the outer shell. This sleeve well shall reduce water and hazardous materials from entering the sleeve when arms are in a raised position. The combination liner sleeve ends shall be inserted into the outer shell sleeve ends by means of lining up the snaps then attaching the loop fastener of the combination liner sleeve end with the hook fastener on the outer shell sleeve. This method of combination liner attachment shall reduce any gaps from occurring between the combination liner and sleeve well during a full range of motion. The combination liner shall extend to within 1" of the sleeve end.

COMPLIANT **EXCEPTION**

WRISTLETS

An internal wristlet shall consist of a 2-ply knit of 48% META-ARAMID/48% PARA-ARAMID and 4% Spandex for superior recovery. Wristlet to be combination of producer-dyed natural and khaki colors with a durable water repellent finish. The wristlet shall not extend less than 8" completely over the palm with a thumbhole. Wristlets shall be double stitched and bound to the moisture barrier/thermal liner providing extended thermal and slash protection.

COMPLIANT **EXCEPTION**

CUFFS

The extended cuff of the sleeve shall be reinforced with a binding of outer shell material not less than 3" in total width for abrasion resistance and thermal protection. One leather tab with female snap fastener shall be set in the cuff to attach outer shell to liner.

COMPLIANT **EXCEPTION**

THERMAL FRONT PANEL CONSTRUCTION

There shall be continuous thermal and moisture protection around the entire torso including the storm flap. To ensure this protection, as well as reduce potential for wicking moisture to inside of liner, both right and left inside front facings of the coat outer shell shall incorporate outer shell fabric extending from collar to hem.

COMPLIANT **EXCEPTION**

COAT FRONT CLOSURE DESIGN

The complete outer shell front closure design shall consist of a FRONT CLOSURE SYSTEM completely protected by an OUTSIDE STORM FLAP which shall have its own, independent STORM FLAP CLOSURE SYSTEM.

COMPLIANT **EXCEPTION**

STORM FLAP

A storm flap measuring not less than 2.5" wide, nor less than 22" in length shall be set on the outside of the right side of the coat opening for maximum thermal protection and clear drainage. The inner lining of the storm flap shall be moisture barrier meeting all requirements for moisture barriers sandwiched between two layers of outer shell fabric.

COMPLIANT **EXCEPTION**

FRONT/STORM FLAP CLOSURES

The front closure shall consist of a thermoplastic zipper with a 1 3/4" polymer coated aramid tab added to left bottom for fast closure and exit. There shall be four standard snap hooks, each securely riveted with three leather reinforced rivets to the left front coat, to engage dee rings on the storm flap. Dee rings shall each be securely riveted with two leather reinforced rivets, along the leading outside edge of the storm flap. The snap hooks and dee rings shall be spaced with the first hook at the top of the coat and the other three snap hooks and dee rings evenly spaced along the front of the coat.

COMPLIANT **EXCEPTION**

HANDWARMER POCKETS

There shall be a 9" x 8" Semi-bellow and handwarmer combination pocket that expands by means of side and bottom gussets to a thickness of 2" in back only and 0" in front. The pocket shall be set at the bottom of the coat hem and reflective trim shall be set on each pocket. There shall be a 6" opening on the rear side of the bellow of the pocket. Semi Bellow Pocket shall be fully lined inside with KEVLAR® twill and have a KEVLAR® twill backer. Handwarmer Pocket shall be lined inside with fleece material. Pocket and flap shall be set with stitch 301, seam Ssb-2 with each corner of pocket opening and top corners of flap reinforced with bar tacks for additional strength. Drainage of moisture to be provided by brass eyelets. Each pocket flap shall measure 10" wide by 3" high in front and 5" high in rear. Each flap shall incorporate a 1" by 2" polymer coated aramid pull tab for easy opening. The corner under this tab shall be reinforced with two layers of Lite-N-Dri™ for stability. A hook and loop closure system shall be set with two pieces of 1.5" x 3" loop fastener set horizontally on the outside edge of the pocket opening with corresponding 1.5" x 3" hook fastener set vertically on the underside of the flap. Shall be set on the front bottom hem(1) each side.

COMPLIANT **EXCEPTION**

RADIO POCKET

There shall be a 3.5" wide x 9" deep full bellows radio pocket that expands by means of side and front gussets to a thickness of 3" in front and back. Pocket and flap shall be set with stitch 301, seam Ssb-2 with the top and bottom pocket corners and top corners of flap reinforced with a minimum 42-stitch bar tack. A brass eyelet shall provide drainage of moisture. Pocket

flaps shall be 4.5"x 6". Pocket shall be fully lined on 3 sides inside pocket and flap with polycotton lining. Pocket flap shall close to the pocket top using 1 piece of 2"x 2" loop on pocket horizontally and 1 piece of 2"x 3" hook on flap vertically. Pocket flap shall include a V-notch positioned on right side of the flap to accommodate an antenna. Shall be set on the right chest.

COMPLIANT EXCEPTION

USA FLAG

There shall be a 2"x3" American Flag patch, with stars in the upper right corner, sewn to the coat upper right sleeve.

COMPLIANT EXCEPTION

FLASHLIGHT HOLDER

There shall be a 1x12" self-fabric strap with 1 piece 1x3" hook on one end & 1 piece 1x3" loop on opposite end, strap X-stitched to shell with 2 bartacks set 1" above the chest trim on the right chest. There shall be a 1" x 2" two-layer self-fabric 703 flashlight snap-hook holder with 2 bartacks set 2" above the strap.

COMPLIANT EXCEPTION

MIC TAB

There shall be 1" X 3" triple-layer self-fabric mic tabs sewn to the shell with bar tacks on each side. Bar tacks shall be a minimum 42-stitch bar tack. A mic tab shall be set on the Left Chest 1/2" below top of & 3.5" over from storm flap (above the flashlight holder), and a mic tab shall be set on the Right Chest above radio pocket & 1/2" below top of storm flap.

COMPLIANT EXCEPTION

HANGING NAME PATCH

There shall be a BLACK 7"x2" contoured 2-layer self-fabric one-line Letter Patch attached to hang from back hem via Velcro and Snaps (each end).

COMPLIANT EXCEPTION

LETTERS

There shall be 3" lime-yellow Scotchlite letters, sewn-on to the hanging patch for FF Names.

COMPLIANT EXCEPTION

LETTER PATCH

There shall be one BLACK 4"x15" 1-layer self-fabric one-line letter patch sewn-on to the yoke.

COMPLIANT EXCEPTION

LETTERS

There shall be 3" lime-yellow Scotchlite letters, sewn-on across the yoke patch; to read – HALL.

COMPLIANT EXCEPTION

LETTER PATCH

There shall be one 1"x4" 1-layer self-fabric one-line letter patch sewn-on to the collar.

COMPLIANT EXCEPTION

LETTERS

There shall be 3/8" Red block embroidery letters., sewn-on across the collar patch; to read a special code.

COMPLIANT EXCEPTION

LION® V-FORCE™ LOW-RISE PANT

PANT CONSTRUCTION

The pant shall have a low-rise waist V-Fit™ design.

COMPLIANT EXCEPTION

MOISTURE BARRIER/THERMAL LINER CONSTRUCTION

Design shall be compatible with the outer shell so that the liner does not buckle, pull, or otherwise restrict body motion. To deter the wicking of moisture up the thermal liner leg the bottom nine inches of each thermal leg shall be constructed of Semper Dri™ (3.0 oz./sq. yd.), a durable water repellent finish treated Chambray (META-ARAMID spun) face cloth quilted to two layers of META-ARAMID/PARA-ARAMID spunlace (total weight +/- 6.0-6.8 oz./sq. yd.).

The waist of the moisture barrier/thermal liner shall be secured to the waist of the outer shell such that when donning the pant, a leg may not be accidentally caught between the outer shell and its inner linings along the waist and between the legs of the pant. For added thermal protection in the knee, an additional layer of uninterrupted 1/8" thick, fire-resistant water-resistant foam shall be positioned between the moisture barrier and thermal liner.

The moisture barrier shall be completely sewn to a durable water repellent (DWR) finish META-ARAMID facecloth at its perimeter. The moisture barrier substrate/facecloth combination will be sewn to the quilted thermal liner at its perimeter with the breathable membrane oriented inward toward the thermal liner and away from the outer shell. The quilted thermal liner will be oriented toward the wearer. All moisture barrier seams shall be sealed as required by NFPA 1971. The moisture barrier/thermal liner shall finish no more than 3" from the pant cuffs.

COMPLIANT EXCEPTION

MOISTURE BARRIER/THERMAL LINER ATTACHMENT

The moisture barrier/thermal liner shall be completely detachable from the outer shell for ease of cleaning by using snaps and hook and loop. Nine evenly spaced snaps shall secure the liner to the integral waistband; two snaps shall be set in leather leg tabs at each leg end and hook and loop on each side of fly facing.

COMPLIANT EXCEPTION

PANT LINER INSPECTION SYSTEM

There shall be an opening located on the pant liner system to the right side of the waist separating the thermal barrier and moisture barrier, approximately 12" in length. This opening will provide the ability to completely invert the pant liner to properly view the integrity of the entire liner system. There shall be a piece of 1" x 5" loop sewn to the moisture barrier 3" over from beginning of opening and a corresponding piece of 1.5" x 5" hook sewn to the inside of the outer shell to ensure proper alignment when installing the liner system into the outer shell. This Liner Inspection System is completely hidden when the liner is properly installed into the outer shell.

COMPLIANT EXCEPTION

STORM FLY/CLOSURE

The outer shell shall have a sewn on overlapping fly front running the full length of the fly on the left side. The flap shall not be less than 2.5" wide at the waistband. The bottom of the fly shall be reinforced with one 42-stitch bartack. Pant closure shall be provided by a thermoplastic zipper. The storm fly shall be held closed along its length by means of a hook and loop fastener closure 1.5" minimum width sewn with four rows lockstitch, along the leading edge for a distance of not less than 6" from the bottom of the fly closure to the waist area for proper alignment and secure closure. Additionally, one snap shall be positioned at the inside top of the fly. The storm fly shall be outer shell material, lined with a 4" strip of moisture barrier material and

Semper Dri™ (3.0 oz./sq. yd.), a durable water repellent finish treated Chambray (META-ARAMID spun) face cloth quilted to two layers of META-ARAMID/PARA-ARAMID spunlace (total weight +/- 6.0-6.8 oz./sq. yd).

COMPLIANT EXCEPTION

THERMAL FLY ASSEMBLY

A 3/4" wide x 9" long loop fastener shall be sewn to the moisture barrier/thermal liner to engage corresponding hook fastener on the underside of the outside storm fly and facing.

COMPLIANT EXCEPTION

WAISTBAND

The waist of the pants shall be reinforced on the inside with 1- ply of outer shell material not less than 1.5" in width. The pant waist shall be contour shaped for better comfort and hemmed to provide strength with the independent waistband, which shall then be double stitched to the outer shell.

Two-2" wide self-material suspender tabs with snaps shall be attached to waist front for suspender attachment. There shall be four 2" x 3/8" black metal loops; one attached to each end of the suspender tabs.

COMPLIANT EXCEPTION

RADIAL INSEAM BAND

A radial banded insert runs continuously from the top of knee on one leg, through the crotch area to the top of the opposite knee. The elimination of crotch seams reduces tension in the crotch area to give added comfort and helps to alleviate stress to extend the useful life of the gear. Also, there is an added insert piece in the design to help ensure that when the firefighter is kneeling or bending the leg of the garment bends in alignment with the leg so that the knee of the firefighter centers on the knee pad of the pants. It also helps to eliminate rubbing of the inseams of each leg against each other when the firefighter is working so that the risk of abrasion of the seams is minimized.

COMPLIANT EXCEPTION

V-FIT™ KNEE

The knee shall have an insert throughout all layers that shall provide a natural bend in the leg. This knee shall include cut outs, shaped pieces, and darts to create free movement with few restrictions. The insert shall consist of black poly-coated aramid for abrasion resistance and thermal protection. For added thermal protection, an additional layer of uninterrupted 1/8" thick, fire retardant closed-cell foam shall be positioned between the moisture barrier and thermal liner. For additional extended thermal protection, two layers of uninterrupted 1/8" thick, fire retardant closed-cell foam and one layer of silicone shall be also be positioned between the reinforcement layer and outershell.

COMPLIANT EXCEPTION

CUFFS

The cuff area of the pant shall be reinforced with a binding of black polymer coated aramid not less than 2" in total width for greater strength, abrasion resistance, and thermal protection. In addition, a 3" x 3 1/2" piece of reinforcement material shall be sewn on the inseam area of the pant leg above the pant cuff and below the pant trim, in order to provide extra abrasion protection. The material used on the kick shield shall match the material used on the pants cuffs. The back portion of the cuff will gradually curve upward from each side seam to a maximum of 2" at the center back of the pant leg to prevent wear on the back of the cuff.

COMPLIANT EXCEPTION

FULL BELLOW POCKET

There shall be a 9" wide x 10" high, deep outside full bellows pockets that expand by means of side and bottom gussets to a thickness of 2" in front and back. Pocket shall be reinforced with poly-coated aramid up 5" on outside of pocket. Pockets shall be fully lined with KEVLAR® twill on all 4 sides inside of pocket, two layers of KEVLAR® lined self-fabric on shell inside pocket. First layer 6.5" high, second layer 4.5" high. Both layers stitched in 3" increments to create six tool compartments. Pocket and flap shall be set with stitch 301, seam Ssb-2 with the top and bottom pocket corners and top corners of flap reinforced with bar tacks for additional strength. Drainage of moisture to be provided by brass eyelets. Pocket flaps shall be 5" x 10" A hook and loop fastener closure system shall be set with 2" x 9" loop fastener horizontally on the pocket and three pieces of 1.5" x 3" hook fastener vertically on the underside of the flap. Pocket shall be set on left thigh.

COMPLIANT EXCEPTION

FULL BELLOW POCKET

There shall be a 10.5" wide x 10" high full bellows pocket that expands by means of side and bottom gussets to a depth of 2.25". The leading end of the pocket is 8" high. Pockets shall be lined on with KEVLAR® 5" up inside of pocket. A 7" wide x 6.5" high arashield patch pocket with two equal divisions (3.5" on each side) is sewn to the outside front of the pocket. Vertical bartacks shall be at the top corners and top center of the patch. Pocket and flap shall be set with stitch 301, seam Ssb-2 with the top and bottom pocket corners and top corners of flap reinforced with bar tacks for additional strength. Drainage of moisture to be provided by brass eyelets. The pocket includes an internal shelf/ flap set horizontally measuring 9" wide x 4" high inside the pocket approximately 3.5" below the top of the pocket. One side of the flap shall be sewn to the back of the pocket along the 9" dimension, the other 9" side of the flap shall be secured to the front of the pocket with hook and loop fastener. A piece of 9" wide x 1" high loop fastener is set horizontally on the inside of the pocket, and a corresponding piece of 9" wide x 1" high hook fastener set horizontally on the underside of the inside flap. The pocket flap closure shall be set on the outside and measure 11.75" wide x 8.5" high with a piece of 8.5" wide x 1" high padding on the underside of the flap to facilitate gripping of the pocket flap. The hook and loop fastener closure system shall be set with one piece of 7" wide x 2" high loop fastener set horizontally on the patch pocket, and a corresponding piece of 7" wide x 2" high hook fastener set horizontally on the outside pocket flap under the padding. There shall be a 1" wide x 4" long self fabric strap bartacked at one end to the shell and a male snap at the other. There shall be a corresponding female snap on the corner of the pocket. Pocket shall be set on right thigh.

COMPLIANT EXCEPTION

LETTER PATCH

There shall be one 1"x4" 1-layer self-fabric one-line letter patch sewn-on to the flap of the right-side pocket.

COMPLIANT EXCEPTION

LETTERS

There shall be 3/8" Red block embroidery letters., sewn-on across the poacket-flap patch; to read a special code.

COMPLIANT EXCEPTION

ESCAPE BELT SYSTEM

The Escape Belt shall meet the escape belt requirements of the current edition of NFPA 1983, incorporated in NFPA 2500, including the optional flame resistance requirements and shall be designated as an Escape Belt. When used in conjunction with the certified LION ladder tether, the belt shall also meet the ladder belt requirements of the current edition of NFPA 1983, incorporated in NFPA 2500, including the optional flame resistance requirements, and shall be designated as a Ladder Belt. The belt shall be designated as a life safety belt with a design load of 2.67 kN (600lbf).

The belt shall integrate into the pants by means of the following:

- Custom securement straps that capture the closure hardware of the harness
- Belt loops that secure the belt portion of the harness and allow it to sit external to the outer shell at the waist.

The belt shall be completely removable from the pants.

The belt shall be constructed of 1-3/4" black para-aramid webbing and is sewn with a bonded, twisted continuous filament para-aramid sewing thread that contrasts the webbing in color. The belt shall feature a steel V-ring and snap hook closure that is offset from center and opens and closes with the pant due to the integration elements. On the snap side of the belt, there shall be a fixed steel d-ring for attachment of a ladder tether or other accessory, next to that is a sliding steel d-ring for attachment of an escape system. When the sliding d-ring is loaded with enough force or impact, it will slide towards the center of the belt so that the load is at center. The belt can be adjusted by pulling forward on the tail of the webbing to tighten, and relieving tension on the adjuster buckle and pulling back to loosen. There shall be a web keeper on the belt that holds the webbing tail and helps to keep the adjustment. Adjuster hardware shall have an adjuster cover to protect from any abrasion between the hardware and turnout fabrics.

There shall be 7 Belt loops, self fabric belt loops with .5" x 3" hard leather inside, tack each end. 10 self fabric belt loops, each made using 2 sep 1x3" straps that close with 1 piece 1x2" hook & logo female snap, 1 piece 1x2" loop & male snap. belt loops with snaps get double tacks, 1/8" space between tacks.

The belt shall be available in sizes S - XXL, corresponding with pant waist sizes 28"-62". The belt shall be available in both standard (left over right) and non-standard (right over left) configurations..

COMPLIANT **EXCEPTION**

SUSPENDERS

SCOPE

A highly engineered *42" red suspender designed for greater range of mobility and reduced stress allowing for four points of attachment, using self-fabric, leather-reinforced suspender tabs with snaps to a V-Force™, traditional or contoured waist bunker pant.

DESIGN

Two **11" front pull straps shall be constructed as follows: 2" wide elastic polyester webbing shall be fed through 2" metal loops and secured with a two-needle lock-stitch at one end. A black military finish steel double dee ring shall be fed through the webbing. The other end of the webbing shall be fed through a 2" wide thermo-plastic dee ring and secured with a two-needle lock-stitch. The dee ring shall function as a pull strap for easily adjusting the suspenders for proper fit.

Two 1" shoulder straps shall be constructed as follows: 2" wide elastic polyester webbing shall be fed through the top half of the steel double dee ring and secured with a two-needle lock-stitch. The top of each strap shall be secured to the V-shaped shoulder pad with two-needle lock-stitch and two 42-stitch bartacks. Two ***8" back straps made of 2" wide elastic webbing shall be joined with two-needle lock-stitch at the bottom of each V-shaped shoulder pad.

Four 2" wide self-fabric suspender tabs with leather reinforcement, using 2 male and 2 female logo snaps for suspender attachment, shall be required on pants for use of these suspenders. Two self-fabric suspender tabs shall be attached to the back of the pant and to the front of the pant and reinforced with two bartacks each tab. Each self-fabric tab attached to the pants shall be fed through each 2" metal loop on the suspenders.

V-SHAPED SHOULDER PADS

Shoulder pads shall be constructed of two layers of 1/8" thick, fire retardant closed-cell foam encapsulated in 7.5 oz. Black NOMEX®. Each shoulder pad shall be 3" wide and 12" long ending in a 4" high back reinforcement pad. Each shoulder pad shall have an embroidered Lion Head Logo.

LIFETIME WARRANTY

All products shall be warranted against defects in materials and workmanship for the useful life of the product.

COMPLIANT EXCEPTION



7200 Poe Ave, Suite 400
Dayton, OH. 45414

Phn 800-421-2926
Fax 877-803-1032

ON BEHALF:
NAFECO - GA
FOR:

PSGQ30045 (4/05/24)

Hall County Fire Rescue Dept

BID 005-45

Description	MFR Part.#
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*** Custom Turnout Coat - 2024 ***

>>> 38" COAT LENGTH (UPCHARGE) \$

Coat Model / Design **V-Force®
Bi-Swing Coat**

LION® Turnout V-Force® Bi-Swing Coat

Coat Model / Design **CVBM/F**

MALE 29" (CVBM-29), 30.5" (CVBM-305), 32" (CVBM-32), 33.5" (CVBM-335), 35" (CVBM-35) & 38" (CVBM-38); FEMALE 29" (CVBF-29) & 32" (CVBF-32)

Coat Liner & Moisture Barrier **C4 - Traditional**

Traditional Liner, Glide Ice™ face cloth quilted to DWR treated 1.5 oz Araflo® 7.0 oz., StedAir 4000/Nomex Pajama Check laminated membrane. 3.0 oz NOMEX® IIIA Chambray Dri Facecloth

Coat Inner Yoke Reinforcement **LYR232**

C Liner: 1 layer Semper Dri® (RM1377059) 1 layer RM1376-103 front and back yokes sewn to coat thermal liners. - V-Force Bi-Swing

Coat Water Well **CLW227**

Chambray DWR 2-Layer AraFlo E89 Quilt with Chambray face cloth/StedAir 4000 with 1" elastic wrist shield. Waterwell with 3/4" loop, male snap, sewn to coat liner sleeves. - V-Fit

Coat Wristlets **CLW753**

(Std) 8" isodri® over the hand- KEVLAR® / NOMEX® / Spandex® construction

Coat Outer Shell Material **6oz PBI® Max
Natural**

PBI® Max, 6.0 oz., Natural Color

Reflective Trim **CT504-PTY**

3" Viz-a-V™ Yellow Ventilated Triple Trim for V-Force

Coat Shell Attachment **CSA709**

(Std) 1x2" Self Fabric strap w/ 1 end sewn to coat shell & opposite end loose w/ 1 female non-logo snap, 1 male snap on liner centered at bottom rear panel to align w/ the female snap. (Cannot be used on coat where liner is 3" from shell). (Standard on V-Force)

Drag Rescue Device**BHS020**

(Std) DRD: Firefighter Recovery Harness with 2" welt and 5.25x2.25" flap with rounded corners. 1 piece 1x2" loop for harness storage. 2 pieces 1x2" loop on shell flap closure, 2 pieces 1x2" hook on flap. 1 piece 1.5x2" hook on harness. 1 piece 2x2" loop underneath chest trim for harness storage, 1 pair 1x3.5" self-fabric straps with 1x2" hook and loop.

Coat Collar**CR236S**

3" split self fabric collar with STEDAIR 4000 lined. 2 pieces 1x3" hook on each end inside and two pieces 1" hook set 1/2" from center along top edge for liner attachment. 1.5x4" hook&loop for front closure. V-Fit

Collar Flashing**CLF221S**

3" Self fabric, STEDAIR 4000 lined split collar with 2 pieces 1x3" loop on moisture barrier, 2 pieces 1" loop set 1/2" from center along top edge for attachment to shell. Use with CR236S & CR237S

Liner Inspection System**CLO236**

(Std) Coat liner inspection system located at center right front of liner, with 1x4" loop. V-Fit coats

Coat Cuff Reinforcement**CC710**

(Std.) Self-Fabric Cuff Reinforcements - V-Fit

Coat Elbow Reinforcement**EB519**

Contoured Self-Fabric elbow patch w/ 1 layer Lite-N-Dri padding. V-Force Bi-Swing

Coat Shoulder Reinforcement**SC715**

(Std) Self fabric shoulder caps

Coat Closure System**SF260S**

2.5" Storm flap (square corners) with two layers of self-fabric and STEDAIR 4000, thermo plastic zipper in. Hook&Dee out (Zipper in, (4) 701s on coat front, (4) D-Rings on stormflap) with poly-coated aramid tab for V-Force Bi-Swing coat.

Coat Pockets

Turn-Out Pockets**HP636**

9x8x2" semi bellow & handwarmer comb. pkt w/6" opening on blw side, semi bellow fully lined with KEVLAR® twill and KEVLAR® twill backer, handwarmer lined w/ fleece. 2pcs 1.5x3" lp on pkt & 2pcs 1.5x3" hk on flp, 2 layers lite-n-dri insd flp corner & PCA tab out.

Item Location for Above

Front bottom- Left

Turn-Out Pockets**HP628**

9x8x2" semi bellow & handwarmer comb. pkt w/6" opening on bellow side, semi bellow pocket lined with KEVLAR® with KEVLAR® backer, handwarmer lined w/semper dri. (2) additional layers of outer shell fabric with KEVLAR® inside pocket. first layer 6.5" high, second layer 4.5" high. Both layers stitched in 3" increments to create 6 compartments. 2pcs 1.5x3" lp on pkt & 2pcs 1.5x3" hk on flp, 2 layers lite-n-dri inside flap corner & PCA tab out.

Item Location for Above

Front bottom- Right

Turn-Out Pockets

RP803

3.5x9x3" radio pocket with poly cotton fully lined all 3 sides inside pocket and flap, 1 piece 2x2" loop on pocket, 1 piece 2x3" hook on flap, antenna notch on flap.

Item Location for Above

PKTLOC-CL

Chest right, notch right.

Emblem

EM5

2x3" American Flag Emblem (Stars on upper right corner)

Item Location for Above

Sleeve Right

Flashlight Strap

FLS573

1x12" self fabric strap with 1 piece 1x3" hook on one end & 1 piece 1x3" loop on opposite end, strap X-stitched to shell, 2 tacks.

Item Location for Above

Left Chest 1" above chest trim; FLS510 & MT503 will be above.

Flashlight Snap-Hook

FLS510

1x2" 2 layer self fabric 703 flashlite snap holder with 2 bartacks

Item Location for Above

Left Chest 2" above FLS573.

Lettering Patches

LP49

7x22" contoured 2 layer self fabric one line letter patch to be attached to hem of coat.

Instructions for AboveSPECIAL
INSTRUCTIONS

>>> LP49 TO BE BLACK

Letter Patch Attachment

LPV14

1.5x22" loop sewn to coat back inside at hem. 1.5 x 22" hook to top edge of patch, loop sewn to hem with white thread through the trim.

Letter Patch Attachment

LPS6

1 male snap at top corners of letter patch & 2 female logo snaps on inside of shell to align with the male snaps = 2 male & 2 female nonlogo snaps.

Sewn On Lettering

LTSL3YNS

Sewn On 3" Lime/Yellow 3M™ Scotchlite™ Letters (each line) 6 - 12
Alpha Numeric Name Characters

Lettering

Lettering shall be for Last Names.

Location for Lettering

On above patch (LP49)

Lettering Patches LP15

4x15" 1 line letter patch

Instructions for Above**SPECIAL
INSTRUCTIONS**

>>> LP15 TO BE BLACK

Lettering Patch Attachment LPSP1

Set patch to coat - 1 layer.

Location for Patch LTLOC-AY

Across yoke

Sewn On Lettering LTSL3YISSewn On 3" Lime/Yellow 3M™ Scotchlite™ Letters (each line) max 5
Alpha Numeric ID Characters**Lettering** LT

Lettering to read - HALL

Location for Lettering

On above patch (LP15)

Lettering Patches LP44

1x4" letter patch.

Lettering Patch Attachment CLO220

SET PATCH TO LINER COLLAR, SHELL PORTION.

Instructions for Above**SPECIAL
INSTRUCTIONS**>>> SELECT CLO220 ON COAT LINER. Comment on CLO220 should
read - SEE PICTURE ATTACHED TO ORACLE REGARDING SEWN-ON
LP44. OE to attach pic "HallCoGA_Nafeco_PSGQ17944_Coat" located
at "Y:\OLD Builds\NAFECO".**Location for Patch** LTLOC-AYInside right side of collar at the edge of the Liner shell portion; Comment
on Lp44 should read - SEE PICTURE ATTACHED TO ORACLE
REGARDING SEWN-ON LP44. OE to attach pic
"HallCoGA_Nafeco_PSGQ17944_Coat" located at "Y:\OLD
Builds\NAFECO".**Lettering** LTE375R

3/8" Red block embroidery letters.

Lettering LT

Lettering for special code

Location for Lettering

On above patch (LP44); can be folded under to just fit letters.

Mic Tab MT503

(2) 1x3" triple layer self fabric mic tab bartacked each end.

Item Location for Above MTLOC-LCARP(1) Left Chest 1/2" below top of & 3.5" over from storm flap, FLS510 &
FLS573 will be below; (1) Right Chest above radio pocket & 1/2" below

top of storm flap.

Hanger Loop

HL02

(Std) 5/8" x 5 1/2" Self fabric hangerloop.

*** Custom Turnout Pants - 2024 ***

--- INCLUDES SUSPENDERS ---

Pant Model / Design

PVFM/F

LION® Turnout V-Force® Pant

Pant Liner & Moisture Barrier

C4 - Traditional

Traditional Liner, Glide Ice™ face cloth quilted to DWR treated 1.5 oz Araflo® 7.0 oz., StedAir 4000/Nomex Pajama Check laminated membrane. 3.0 oz NOMEX® IIIA Chambray Dri Facecloth

Liner Inspection System

PLO200

(Std) Pant liner inspection system with 1x3" loop located at right side of liner waist.

Pant Outer Shell Material

6oz PBI® Max
Natural

PBI® Max, 6.0 oz., Natural Color

MISC. Fasteners

MF018

(Std) 1x3" hook sewn to right shell front for the pant liner inspection system.

Pant Fly Closure

FLY233S

Sewn on pant fly with STEDAIR 4000, closure thermo plastic zipper inside with 1.5" hook & loop, 3/4" hook underneath STEDAIR 4000 for liner attachment. V-Fit

Belts and Harnesses

BHS063

Black LION Aeroscape Escape Belt - Closure on Left (USE BL079 and BL081 ONLY- No other BLs allowed). Can't use with front or side take-up. Can't use with wide angle FLYs or magnetic closure. Can't add BHS013 or BHS021. Can't be used with Lumbar Support System.

Available Sizes: Small (28-32") (FI6938036), Medium (34-38") (FI6939036), Large (40-44") (FI6940036), Extra Large (46-52") (FI6941036), 2XL (54-62") (FI6942036)

Instructions for Above

SPECIAL
INSTRUCTIONS

>>> DELETE STD BHS013.

Belts and Harnesses

BL083

7 Belt loops, self fabric belt loops with .5" x 3" hard leather inside, tack each end. 10 self fabric belt loops, each made using 2 sep 1x3" straps that close with 1 piece 1x2" hook & logo female snap, 1 piece 1x2" loop & male snap. belt loops with snaps get double tacks, 1/8" space between

tacks. see drawing

Instructions for Above

SPECIAL INSTRUCTIONS

>>> DELETE STD BL007, BL079/081.

Leg Tabs

LGT000-GLD

(Std) 2 Gold Leather leg tabs per leg with non-logo female snaps.

Pant Knee Reinforcement

KP243-BLK

Black Poly coated aramid contoured knees with 2 layers Lite-N-Dri padding and 1 layer silicone foam padding. V-Fit.

Pant Cuff Reinforcement

PC504-BLK

Black Poly-coated aramid pant cuffs and 3x3.5" kick shield.

MISC. Pant Options

PMO542

"Boot cut" pant legs.

Pant Pockets

Turn-Out Pockets

FBP1012

9x10x2" Full bellow pocket with PCA up 5" on outside of pocket, fully lined in all 4 sides with KEVLAR®. Additional 2 layers of outershell fabric lined with KEVLAR® on shell inside pocket. First layer 6.5" high, second layer 4.5" high, both layers stitched in 3" increments to create 6 compartments. 1pc 2x9" loop on pocket, 3 pcs 1.5x3" hook on flap.

>>> USE FBP1156 FOR SMALL PANTS.

Item Location for Above

Thigh Left

Turn-Out Pockets

FBP1041

10.5x10x8x2.25" Full Bellow Pocket with KEVLAR® 5" up inside pocket. 9x4" inside flap with 1x9" hook. 1x9" loop inside pocket, 7x6.25" arashield patch pocket lined with 1-layer leather and 1 layer Kevlar Twill inside pocket, divided equally 3.5" each side and vertically bartacked on the top, female logo snap corner, 1x4" self-fabric strap bartacked one end to shell, male snap to other end, 11.75x8.5" flap with 8.5x1" padding & 2x7" hook and 2x7" loop front pocket.

>>> SEE FBP1052 FOR SMALLER PANTS

Item Location for Above

Thigh Right, flap to receive LP44.

Lettering Patches

LP44

1x4" letter patch.

Lettering Patch Attachment

LPSP1

Set patch to coat - 1 layer.

Location for Patch

LTLOC-AY

Flap of FBP1041, just above the padding.

Lettering

LTEHR

1/2" Red block embroidery letters.

Lettering

LT

Lettering for special code

Location for Lettering

On above patch (LP44); can be folded under to just fit letters.

Reflective Trim

PTC4PT3Y

3" Lime/Yellow Ventilated Triple Trim Reflective trim around leg bottoms-4 rows lockstitch.

Suspender Tabs

PMO210

Four 2" wide self material suspender tabs with 1.75x3" leather reinforcement. 2 male and 2 female logo snaps, attached to waist with 2 on the front and 2 on the back. Reinforced with 2 bartacks on each tab.

Suspenders

SR842X

42" V-BACK quick adjust padded suspenders, 2" Metal Loops - Red

Note: The suspender length includes the 2.5" snap tabs on the pants.