## **CITY OF MOBILE**

#### **BID SHEET**

This is Not an Order

Mailing Address: P. O. Box 1948 Mobile, Alabama 36633 (251) 208-7434 Purchasing Department and Package Delivery: Government Plaza 4th Floor, Room S-408 205 Government St Mobile, Alabama 36644

READ TERMS AND CONDITIONS ON REVERSE SIDE OF THIS PAGE

**BEFORE BIDDING** 

Typed by:		en	Buyer: 006							
	Ple	ease quote the lo	west price at which y	ou will furnish t	the arti	cles listed	below			
DATE		BID NO.	DEPARTMENT		Commod	lities to be c	lelivered F.C	D.B. Mob	oile to:	
02/2	1/2020	5393	Fire		To E	Be Specific	ed			
This bid	d must be rece	ived and stamped	d by the Purchasing	office not later	than:	10:30 AM	, Thursday	, Marc	h 19, 202	0
QUANTITY	ARTICLE	S Bid on this for any additional	orm ONLY. Make no chang al information required to t	ges on this form. Att	tach	UNIT	UNIT PF	_	EXTENS	
						Oldii	Dollars	Cents	Dollars	Cents
		THIS BID R	EPLACES BID #53	385						
		FIRE SERV	ICE BUNKER GEA	AR						
					4 (					
Appx 0 to	Bunker Coat, 1	Mobile Fire Rescue	Department Specifica	ntions and NFPA						
300			FPA (FDNY) tri-color							
			4" reflective sewn-on g letter patch at rear be							
	name, as per tl	he attached specific	ations. Item 4267							
	Make		Model		_					
Appx 0 to	Bunker Pants, Mobile Fire Rescue Specifications and NFPA Pamphlet 1971,									
300			lor reflective trim as po		9/1,					
E.			ith Padded Ripcord Acceptations. Item 426		yle	1 1		1		
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		Page	1 of 3							
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				Typed Signatu	re					
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		= 1%		υу						

- 1. All quotations must be signed with the firm name and by an authorized officer or employee.
- 2. Verify your bid before submission as it cannot be withdrawn or corrected after being opened. In case of error in extension of prices, the unit price will govern.
- 3. If you do not bid, return this sheet and state reason. Otherwise, your name may be removed from our mailing list.
- 4. The right is reserved to reject any, or all quotations, or any portions thereof, and to waive technicalities if deemed to be in the interest of the City of Mobile.
- 5. This bid shall not be reassignable except by written approval of the Purchasing Agent of the City of Mobile.
- 6. State brand and model number of each item, All items bid must be new and latest model unless otherwise specified.
- 7. If bid results are desired, enclose a self-addressed and stamped envelope with your bid. (All or None bids only)
- 8. Do not include Federal Excise Tax as exemption certificate will be issued in lieu of same. The City is exempt from the Alabama and City sales taxes.
- 9. PRICES ARE TO BE FIRM AND F.O.B. DESTINATION UNLESS OTHERWISE REQUESTED.
- 10. BID WILL BE AWARDED ON ALL OR NONE BASIS UNLESS OTHERWISE STATED.
- 11. Bids received after specified time will be returned un-opened.
- 12. Failure to observe stated instructions and conditions will constitute grounds for rejection of your bid.
- 13. Furnish literature, specifications, drawings, photographs, etc., as applicable with the items bid.
- 14. Vendor May be required to obtain City of Mobile Business License as applicable to City of Mobile Municipal Code Section 34-50. For Business License inquiry contact the Revenue Department at (251) 208-7461 or cityofmobile.org/taxes.php.
- 15. If a bid bond is required in the published specifications, see below: Each Bid Shall be Accompanied By A Cashier's Check, Certified Check, Bank Draft Or Bid Bond For the Sum Of Five (5) Percent Of The Amount Bid, Made Payable To The City Of Mobile And Certified By A Reputable Banking Institution. All Checks Shall Be Returned Promptly, Except The Check Of The Successful Bidder, Which Shall Be Returned After Fulfilling The Bid.
- 16. Contracts in excess of \$50,000 require that the successful bidder make every possible effort to have at least fifteen (15) percent of the total value of the contract performed by socially and economically disadvantaged individuals.
- 17. All bids/bid envelopes must have the bid number noted on the front. Bids that arrive unmarked and are opened in error shall be returned to vendor as an unacceptable bid.
- 18. If successful vendor's principal place of business is out-of-state, vendor may be required to have a Certificate of Authority to do business in the State of Alabama from the Alabama Secretary of State prior to issuance of a Purchase Order. Vendors are solely responsible for consulting with the Secretary of State to determine whether a Certificate is required. See <a href="https://www.sos.alabama.gov/BusinessServices/ForeignCorps.aspx">www.sos.alabama.gov/BusinessServices/ForeignCorps.aspx</a>. Please note that the time between application for and issuance of a Certificate of Authority may be several weeks.
- 19. Vendors do not need a City of Mobile Business License or Certificate of Authority from the Alabama Secretary of State to submit a bid, but will need to obtain the Business License and Certificate of Authority, if applicable, prior to issuance of a Purchase Order.

#### **BID CONTINUATION SHEET**

Page\_\_\_\_\_ of\_\_\_\_

JANTITY	ARTICLES  Bid on this form ONLY. Make no changes on this form. Additional information to be submitted on separate short and attached basets.	Ī	UNITPR	ICE	EXTENS	SION
	ARTICLES formation to be submitted on separate sheet and attached hereto.	UNIT	Dollars	Cents	Dollars	Cent
	Page 2 of 3					
Anny	OPTION:					
0 to 300	Suspenders, Padded, Ripcord Adjustment "H" Style, as per the attached specifications. Item 4187					
	MakeModel					
	OPTION: 2 weeks rush charge, cost per item					
	GENERAL INFORMATION					
	Provide Literature and Specifications on bunker gear bid.					
	Product or Brand names listed are to set the quality and functional levels for the Bunker Gear to be bought by the City of Mobile. The names of the products or materials are examples of the goal of what the City wants the product to do and provide for the safety of the employee.					
	Your construction style and materials used may differ, but the actual safe function of the gear and the comfort of the user are important.					
	Price of the above bunker gear to be firm for a one (1) year period from award of this Bid.					
	At the option of the City of Mobile and the successful vendor, the award of this contract may be extended for an additional two (2) years, if pricing and terms remain the same.					
	The City of Mobile reserves the right to request a sample of Bunker Pants or Bunker Coat made to Mobile Fire Department Specifications from the apparent low bidder prior to award to insure that item bid meets Mobile Fire Department Specifications. If requested, sample must be provided within 3 business days of request.					
	The manufacturer shall have a repair process in place prior to opening of bid. Vendor may have a process, but it will need to be clearly defined and a proven process that works for major municipalities. Experience level and proof of repair will need to be verified by the Mobile Fire-Rescue Department in the evaluation process of the bid.					
			ТОТ	ΔΙ		
ETHON	ONE SIGNED CODY OF THIS QUOTATION		101	/76		-

IN ENCLOSED ENVELOPE

READ ABOVE INSTRUCTIONS BEFORE QUOTING

Firm Name	
Ву	

We will allow a discount \_\_\_\_\_\_ % 20 days from date of receipt of goods and correct invoice of completed order.

### **BID CONTINUATION SHEET**

Page\_\_\_\_\_ of

	JANTITY	ARTICLES  Bid on this form ONLY. Make no changes on this form. Additional information to be submitted on specific sheet and attached based.		UNIT PE	ICE	EXTENS	SION
Vendor to provide training on cleaning process to City's contract vendor responsible for cleaning bunker gear.  All vendors will be required to provide verification of enrollment in the E-Verify program. Additional information may be found at <a href="http://immigration.alabama.gov/">http://immigration.alabama.gov/</a> If the successful vendor's principal place of business is out-of-state, vendor may be required to have a Certificate of Authority to do business in the State of Alabama from the Secretary of State prior to issuance of a Purchase Order.  Vendors are solely responsible for consulting with the Secretary of State to determine whether a Certificate is required. Sec: <a href="https://www.sos.alabama.gov/BusinessServices/ForeignCorps.aspx">www.sos.alabama.gov/BusinessServices/ForeignCorps.aspx</a> . Please note that the time between application for the issuance of a Certificate of Authority may be several weeks.  Upon notification, vendor will have 10 business days to provide the Certificate of Authority and the E-Verify numbers to the Purchasing Department before award can be completed. (Vendors will possibly need to pay the expedite fee to meet this requirement because application is not sufficient. We must have a copy of the certificate with your Company ID number).  Vendors do not need a City of Mobile Business License or Certificate of Authority from the Alabama Secretary of State, nor the E-Verify for certification to submit a bid, but will need to obtain the Business License and Certificate of Authority verification and/or provide the E-Verify Certification, if applicable, prior to issuance of a Purchase Order.  *State of Alabama Local Vendor Preference Law 41-16-50 (a) and (d) will apply to this purchase.		ARTICLES formation to be submitted on separate sheet and attached hereto.	UNIT	Dollars	Cents	Dollars	Cents
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TO BE AWARDED ALL OR NONE.							
		TO BE AWARDED ALL OR NONE.					
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IN ENCLOSED ENVELOPE

READ ABOVE INSTRUCTIONS BEFORE QUOTING

We will allow a discount \_\_\_\_\_\_ % 20 days from date of receipt of goods and correct invoice of completed order.

# GENERAL SPECIFICATIONS PROTECTIVE JACKET FOR STRUCTURAL FIRE FIGHTING

## Mobile Alabama Fire Dept February 2020

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This specification details design and materials criteria to afford protection to the upper and lower body, excluding head, hands, feet, against adverse environmental effects during structural fire fighting. All materials and construction will meet or exceed NFPA Standard #1971 and OSHA for structural fire fighters protective clothing.
ComplyException
JACKET CONSTRUCTION
OUTER SHELL MATERIAL - JACKETS
The "PbiMax®" outer shell shall be manufactured by SAFETY COMPONENTS and constructed of 70/30 Pbi™ dominant Kevlar® with Kevlar® filament Comfort Twill weave. This outer shell fabric shall have an approximate weight of 7.0 oz. per square yard and must be treated with a durable water-repellent finish. Color of the garments shall be natural/gold.
ComplyException
THERMAL INSULATING LINER - JACKET
The thermal liner shall be constructed of 6.8 oz. per square yard Safety Components GLIDE ICE™ with PBI® G2; two layers of 20%Pbi/80% DuPont™ Aramid aperture spunlace quilt stitched to a to a 60% Nomex® Filament/40% Nomex®/Lenzing spun yarn Face Cloth. An approximate 7 inch by 9-inch pocket, constructed of self material and lined with moisture barrier material, shall be affixed to the inside of the jacket thermal liner on the left side by means of a lock stitch. The thermal liner shall be attached to the moisture barrier and bound together by bias-cut Neoprene coated cotton/polyester around the perimeter. This provides superior abrasion resistance to the less expensive, less durable "stitch and turn" method. Further mention of "Thermal Liner" in this specification shall refer to this section.

#### **MOISTURE BARRIER - JACKETS**

The moisture barrier material shall be STEDFAST "STEDAIR® GOLD" ePTFE moisture barrier is engineered using an 80% Nomex®/20% Pbi® pajama check substrate and BHA Technologies ePTFE membrane. The Stedair bicomponent ePTFE membrane is a combination of microporous and monolithic technologies. The moisture barrier material shall meet all moisture barrier requirements of NFPA 1971 edition, which includes water penetration resistance, viral penetration resistance and common chemical penetration resistance. The moisture barrier shall be sewn to the thermal liner at the edges only and bound

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Comply

with bias-cut neoprene-coated cotton/polyester binding. Further mention of "Specified Moisture Barrier" in this specification shall refer to this section.
ComplyException
SEALED MOISTURE BARRIER SEAMS
All moisture barrier seams shall be sealed with a minimum 1-inch wide sealing tape. One side of the tape shall be coated with a heat activated glue adhesive. The adhesive side of the tape shall be oriented toward the moisture barrier seam. The adhesive shall be activated by heat and the sealing tape shall be applied to the moisture barrier seams by means of pressure exerted by rollers for that purpose.
ComplyException
METHOD OF THERMAL LINER/MOISTURE BARRIER ATTACHMENT FOR JACKETS
The thermal liner and moisture barrier shall be completely removable from the jacket shell. Two strips of 5/8 inch wide FR hook and loop fastener tape shall secure the thermal liner/moisture barrier to the outer shell along the length of the neckline under the collar (see Collar section). The remainder of the thermal liner/moisture barrier shall be secured with snap fasteners appropriately spaced on each jacket facing and Are-Shield® snap fasteners at each shell sleeve end. There shall be one Ara-shield® snap tab in the liner in addition to snap fasteners to correspond with color coded snap tabs for ease of matching the liner system to the outer shell after inspection or cleaning is completed.
ComplyException
THERMAL PROTECTIVE PERFORMANCE
The assembled garment, consisting of an outer shell, moisture barrier, and thermal liner, shall exhibit a TPP (Thermal Protective Performance) rating of not less than 35.
ComplyException
STITCHING
The outer shell shall be assembled using stitch type #301, #401, #514 and #516. The thermal liners and moisture barriers shall be assembled using stitch type #301, #401, #504, #514, and #516. Major A outer shell structural seams, major B structural liner seams and shall have a minimum of 8 to 10 stitches per inch. All Major A seams shall be sewn with ball point needles only. All seams shall be continuously stitched only.
ComplyException
JACKET CONSTRUCTION
BODY
The body of the shell and AXTION® liner system shall be constructed of three separate panels consisting of two front panels and one back panel. The body panels shall be shaped so as to provide a tailored fit thereby enhancing body movement and shall be joined together by double stitching with Nomex® thread. One-piece outer shells shall not be acceptable.
ComplyException
SIZING

2

The jacket length shall be measured from the juncture of the collar and back panels to the hem of the jacket

#### and shall measure

27 inches in the front/31 inches long in the back. (women's)

- 29 inches in the front/33 inches long in the back. (standard)
- 32 inches in the front/36 inches long in the back.
- 35 inches in the front/39 inches long in the back.

The jacket shall be available in male and female natterns in even size chest measurements of two-inch

increments and shall range from a small size of 30 to a large size of 68. Generalized sizing, such as small, medium, large, etc., will not be considered acceptable.				
ComplyException				
DRAG RESCUE DEVICE (DRD)				
A Firefighter Drag Rescue Device (DRD) shall be installed in each jacket. The ends of a 1-inch wide strap, constructed of Kevlar <sup>®</sup> , shall be sewn together to form a continuous loop. The strap shall be installed in the jacket between the liner system and outer shell such that when properly installed will loop around each arm. The strap will be accessed through a portal between the shoulders on the upper back where it is secured in place by an FR strap. The DRD shall be removable for laundering. The access port shall be covered by an outside flap of shell material, designed to fit between the shoulder straps of an SCBA. The flap will have a NFPA-compliant 3M Scotchlite™ reflective logo patch sewn to the outside to clearly identify the feature as the DRD (Drag Rescue Device). The DRD shall not extend beyond the outside flap. This device provides a quickly deployed means of rescuing a downed firefighter. Flimsy, rope-style DRD straps will not be considered.				
ComplyException				
LINER ACCESS OPENING - JACKET				
The liner system of the jacket shall incorporate an opening at the leading edges of the right front panel. This opening shall run a minimum of 11 inches for the purpose of inspecting the integrity of the jacket liner system. When installed into the outer shell the Liner Access Opening will be covered and protected by the overlap of the outer shell facing.				
ComplyException				
LOGOS				
The garment brand shall be identified by means of FR Nomex thread embroidery on the top of the left collar denoting "GLOBE" as the manufacturer.				
ComplyException				
RETROREFLECTIVE FLUORESCENT TRIM				
The retroreflective fluorescent trim shall be lime/yellow Reflexite <sup>®</sup> Brilliance <sup>®</sup> with stripe. Each jacket shall have an adequate amount of retroreflective fluorescent trim affixed to the outside of the outer shell to meet the requirements of NFPA #1971 and OSHA. The trim shall be in the following widths and shall be NYC style; 3 inch wide stripes - around the bottom of the jacket within approximately 1 inch of the hem, around the back and chest area approximately 3 inches below the armpit, around each sleeve below the elbow, around each sleeve above the elbow.				
ComplyException				

#### REINFORCED TRIM STITCHING

All sewn on reflective trim is secured to the outer shell with Nomex® thread, using a locking chainstitch protected by our exclusive TrimTrax® system. Developed exclusively by Globe Manufacturing Co., LLC. this strip of 3/32-inch strong, durable, flame resistant black Kevlar® cording provides a bed for the stitching along each edge of the retroreflective fluorescent trim surface and affords extra protection for the thread from abrasion. TrimTrax® has been proven to be 5 to 7 times more durable than single or even double rows of stitching, significantly reducing maintenance costs and providing more value and a longer service life. Two rows of stitching used to attach the trim in place of the TrimTrax® shall be considered an unacceptable alternative, since it has been proven that the two rows of stitching have insignificant impact on wear life. All trim ends shall be securely sewn into a seam for a clean finished appearance.

ComplyException
SEWN ON RETROREFLECTIVE LETTERING
Each jacket shall have 3" lime/yellow Reflexite® Brilliance® lettering on Row reading: M F R D Each jacket shall have an option for either 2 inch or 3-inch lime/yellow Reflexite® Brilliance® lettering on hanging letter patch reading: Firefighter Name
ComplyException
LETTER PATCH
Hanging Letter Patch The Hanging letter patch shall be constructed of a double layer of outer shell material. The letter patch wi attach to the rear inside hem of the jacket with a combination of snap fasteners and FR hook and loo fastener tape.
ComplyException

#### **COLLAR & FREE HANGING THROAT TAB**

The collar shall consist of a minimum four-layer construction and be of one-piece design. The outer layers shall consist of one layer of specified outer shell material on outside and a layer of PCA black Advance™ as standard on the inside and two layers of a moisture barrier. The rear inside ply of aramid pajama check shall be sewn to the collar's back layer of outer shell at the edges only. The forward inside ply of moisture barrier shall be sewn to the inside of the collar at the edges only. The multi-layered configuration shall provide protection from water and other hazardous elements. The collar shall be a minimum of 3 inches high and graded to size. The leading edges of the collar shall extend up evenly from the leading edges of the jacket front body panels so that no gap occurs at the throat area. The collar's back layers of outer shell and moisture barrier shall be joined to the body panels with two rows of stitching. The collar's front layers of moisture barrier and outer shell shall have a strip of % inch wide FR hook fastener tape stitched to the inside lower edge and running the full length of the collar. The inside strip of % inch wide FR hook fastener tape on the neck extension of the liner system. A self material fabric hanger loop shall be sewn at the top of collar.

The throat tab shall consist of a minimum 4-layer construction and it shall be of be a scoop type design and constructed of two plies of outer shell material with two center plies of moisture barrier material. The throat tab shall measure not less than 3½ inches wide at the center tapering to approximately 2 inches at each end with a total length of approximately 9 inches. The throat tab will be attached to the right side of the collar by a 1 inch wide by 1½ inch long piece of Nomex® twill webbing. The throat tab shall be secured in the closed and stowed position with FR hook and loop fastener tape. The FR hook and loop fastener tape shall be oriented to prevent exposure to the environment when the throat tab is in the closed position. A 1½ inch by 3-inch piece of FR loop fastener tape shall be sewn horizontally to each end of the throat tab and a 1 inch by 3-inch piece of FR hook fastener tape shall be sewn horizontally to the throat tab. A corresponding piece of FR hook fastener tape measuring 1 inch by 3 inches shall be sewn horizontally to the leading outside edge of the

collar on the left side, for attachment and adjustment when in the closed position and wearing a breathing apparatus mask. The collar closure strap shall fold in half for storage with the FR loop fastener tape engaging the FR hook fastener tape. Comply Exception JACKET FRONT The jacket shall incorporate separate facings to ensure there is no interruption in thermal or moisture protection in the front closure area. The facings shall measure approximately 3 inches wide, extend from collar to hem, and be double stitched to the underside of the outer shell at the leading edges of the front body panels. A breathable moisture barrier material shall be sewn to the jacket facings and configured such that it is sandwiched between the jacket facing and the inside of the respective body panel. The breathable film side shall face inward to protect it. There shall be wicking barrier constructed of a moisture barrier material installed on the front closure system on the left and right side directly below the front facings to ensure continuous protection and overlap. The wicking barrier shall extend no more than a maximum of 3/4 inch beyond the inner facing and false facing shall be unacceptable. The thermal liner and moisture barrier assembly shall be attached to the jacket facings by means of snap fasteners. Comply Exception STORM FLAP A rectangular storm flap measuring approximately 31/4 inches (6 inches for hook and dee inside/FR hook and loop fastener tape outside closure; aka #7C) wide and a minimum of 21 inches long shall be centered over the left and right body panels to ensure there is no interruption in thermal or moisture protection in the front of the jacket. The outside storm flap shall be constructed of two plies of outer shell material with a center ply of breathable moisture barrier material. The outside storm flap shall be double stitched to the right-side body panel and shall be reinforced at the top and bottom with backtacks. Comply Exception STORM FLAP AND JACKET FRONT CLOSURE SYSTEM

The jacket shall be closed by means of a 20-inch size #10 heavy duty high-temp smooth-gliding YKK Vision® zipper on the jacket fronts and FR hook and loop fastener tape on the storm flap. The teeth of the zipper shall be mounted on black Nomex® tape and shall be sewn into the respective jacket fronts. The storm flap shall close over the left and right jacket body panels and shall be secured with FR hook and loop fastener tape. A 1½ inch piece of FR loop fastener tape shall be installed along the leading edge of the storm flap on the underside with four rows of stitching. A corresponding 11/2 inch piece of FR hook fastener tape shall be sewn with four rows of stitching to the front body panel and positioned to engage the loop fastener tape when the storm flap is closed over the front of the jacket.

Comply	Exception
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#### **SEMI-EXPANSION (BELLOWS) POCKETS**

Each jacket front body panel shall have an 8-inch-wide by 8-inch-high semi-expansion pocket double stitched to it and shall be located to provide accessibility. The leading edge of the pockets shall be sewn flush with the jacket. The rear of the pockets shall expand to a depth of 2 inches. The semi-expansion pocket shall be reinforced with a layer of Kevlar® approximately 5 inches up on the inside of the pocket. Two rust resistant metal drain eyelets shall be installed in the bottom of each semi-expansion pocket to facilitate drainage of water. The pocket flaps shall be constructed of two layers of outer shell material and shall measure approximately 3 inches deeper than the pocket expansion and ½ inch wider than the pocket. The pocket flaps shall be angled with the front edge 1" shorter than the back edge, the upper pocket corners shall be reinforced with proven backtacks, and pocket flaps shall be reinforced with backtacks. The pocket flaps shall be closed by means of FR hook and loop fastener tape. Two pieces of 1½ inch by 3-inch FR hook fastener tape shall be installed vertically on the inside of each pocket flap (one piece on each end). Two corresponding pieces of 1½ inch by 3-inch FR loop fastener tape shall be installed horizontally on the outside of each pocket near the top (one piece on each end) and positioned to engage the hook fastener tape.

Additionally, a separate hand warmer pocket compartment will be provided <u>under</u> the expandable cargo pocket. This compartment will be accessed from the rear of the pocket and shall be lined with Nomex<sup>®</sup> fleece for warmth and comfort.

Comply	Exception
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#### **AXTION® SLEEVES**

The sleeves shall be of two-piece construction and contoured, having an upper and a lower sleeve. Both the under and upper sleeve shall be graded in proportion to the chest size. For unrestricted movement, on the underside of each sleeve there shall be two outward facing pleats located on the front and back portion of the sleeve on the shell and thermal liner. On the moisture barrier, the system will consist of two darts, rather than pleats, to allow added length in the under sleeve. The moisture barrier darts will be seam sealed to assure liquid resistance integrity.

The pleats shall expand in response to upper arm movement and shall fold in on themselves when the arms are at rest. This expansion shall allow for greater multi-directional mobility and flexibility in the shoulder and arm areas, with little restriction or jacket rise. Neither stovepipe nor ragian-style sleeve designs will be considered acceptable.

Comply	Exception
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#### SLEEVE CUFF REINFORCEMENTS

The sleeve cuffs shall be reinforced with black suede leather. The cuff reinforcements shall not be less than 2 inch in width and folded in half, approximately one half inside and one half outside the sleeve end for greater strength and abrasion resistance. The cuff reinforcement shall be double stitched to the sleeve end; a single row of stitching shall be considered unacceptable. This independent cuff provides an additional layer of protection as compared to a turned and stitched cuff. Jackets finished with a turned and stitched cuff do not provide the same level of abrasion resistance and will be considered unacceptable.

Comply	Exception
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#### **WRISTLETS / SLEEVE WELLS**

Each jacket shall be equipped with Nomex® hand and wrist guards (over the hand) not less than 7 inches in length and of double thickness. A separate thumbhole with an approximate diameter of 2 inches shall be recessed approximately 1 inch from the leading edge. The color of the wristlets shall be grey. The wristlets shall be sewn to the end of the liner sleeves. Flame resistant neoprene coated cotton/polyester material shall be sewn to the inside of the sleeve shell approximately 5 inches from the sleeve end and extending toward the cuff forming the sleeve well. The neoprene sleeve well shall form a cuff end that shall be elasticized providing a snug fit at the wrist and covering the knit wristlet. This sleeve well configuration serves to prevent water and other hazardous elements from entering the sleeves when the arms are raised. The neoprene material shall also line the inside of the sleeve shell from the cuff to a point approximately 5 inches back, where it joins the sleeve well and is double stitched to the shell. Four Ara-shield® snap tabs will be sewn into the juncture of the sleeve well and wristlet. The tabs will be spaced equidistant from each other and shall be fitted with female snap fasteners to accommodate corresponding male snap tabs on the liner sleeves. One of the Ara-shield® snap tabs shall be a different color in the liner to correspond with color coded snap tabs for

ease of matching the liner system to the outer shell after inspection or cleaning is completed. This configuration will ensure there is no interruption in protection between the sleeve liner and wristlet.
ComplyException
LINER SHOULDER THERMAL ENHANCEMENT
A minimum of one additional layer of thermal liner material shall be used to increase thermal insulation in the shoulder area of the liner system. This thermal enhancement layer shall drape over the top of each shoulder extending from the collar to the sleeve/shoulder seam, and 5 inches to the front, 2 inches to the back of the shoulder cap. The shoulder thermal enhancement layers shall be sandwiched between the thermal liner and moisture barrier layers of the liner system and shall be stitched to the thermal liner layer only. The thermal enhancement layer shall have finished edges by means of overedging. Raw or unfinished edges shall be considered unacceptable. Thermal scraps shall not be substituted for full-cut fabric padding. Smaller CCHR reinforcements shall not be considered acceptable since they provide far less area of coverage.
ComplyException
THERMAL FULL UPPER PADDING
An additional layer of <b>GLIDE</b> <sup>TM</sup> <b>ICE with PBI G2</b> thermal liner material shall be used to increase thermal insulation in the upper back, front, shoulders, and upper arm areas of the liner system. This thermal enhancement layer shall consist of five pieces, one on the upper back, one on the top of each shoulder extending down the front and one on each upper arm to provide greater CCHR protection in these high compression areas. The upper back, front, shoulder, and upper arm thermal enhancement layers shall be sandwiched between the thermal liner and moisture barrier layers of the liner system and shall be stitched to the thermal liner layer only. The thermal enhancement layer shall have finished edges by means of overedging. Thermal scraps shall not be substituted for full-cut fabric padding.
ComplyException
RADIO POCKET
Each jacket shall have a pocket designed for the storage of a portable radio. This pocket shall be of box type construction, double stitched to the jacket and shall have one drainage eyelet in the bottom of the pocket. The pocket flap shall be constructed of two layers of outer shell material measuring approximately 3 inches longer than the depth of the pocket and approximately ¼ inch wider than the pocket. The pocket flap shall be closed by means of FR hook and loop fastener tape. A 1½ inch by 3-inch piece of FR hook fastener tape shall be installed on the inside of the pocket flap beginning at the center of the bottom of the flap. A 1½ inch by 3-inch piece of FR loop fastener tape shall be installed horizontally on the outside of the pocket near the top center and positioned to engage the hook fastener tape. In addition, the entire inside of the pocket shall be lined with neoprene coated cotton/polyester material to ensure that the radio is protected from the elements. The impermeable barrier material shall also be sandwiched between the two layers of outer shell material in the pocket flap for added protection. The radio pocket shall measure approximately 3 inches deep by 2.5 inches wide by 7 inches high and shall be installed on the left chest.
ComplyException
NOTCHED RADIO POCKET FLAP
The radio pocket flap shall be notched to accommodate the radio antenna on the both sides for a dual antenna notch.
Comply Exception

### **MICROPHONE STRAP**

A strap shall be constructed to hold a microphone for a portable radio. It shall be sewn to the jacket at the
ends only. The size of the microphone strap shall be 1-inch x 3 inches. The microphone strap shall be
mounted high on the left chest near the collar, and a second strap placed high on the right chest near the
collar. Both shall be constructed of double layer outer shell material.

colar. Sold of all be concluded of access and material.
ComplyException
FLASHLIGHT RETAINER STRAP
The jackets shall be equipped with a flashlight retainer strap. A double thickness strap of outer shell material measuring approximately 1 inch by 12 inches, shall be double stitched to the jacket in the middle of the strap 1 inch by 4-inch flame resistant hook and loop fastener tape shall be attached to the loose ends of the strap so that they may be joined around the flashlight.
There shall be two of the flashlight retainer straps installed on the jacket. One flashlight retainer strap shall be located on the right chest. A second strap shall be located on the right chest, 4 inches below the mic strap.
ComplyException
PANT CONSTRUCTION
SIZING
In order to insure that every member of the department can safely perform to the maximum of their ability without extra bulk and without restriction, Pants shall be available in all sizes and dimensions as follows:
Pants:  Gender: Waist: Body Shape:  Men's Regular, Relaxed and Slim Relaxed is a fuller cut in the hips and thighs, like relaxed jeans. Slim is a more slender cut in the hips and thigh, like straight fit jeans. Women's Inseam: Even sizes
Pants available in only one or two standard shapes will not be acceptable.
ComplyException
OUTER SHELL MATERIAL - PANTS
The "PbiMax®" outer shell shall be manufactured by SAFETY COMPONENTS and constructed of 70/30 Pbi™ dominant Kevlar® with Kevlar® filament Comfort Twill weave. This outer shell fabric shall have an approximate weight of 7.0 oz. per square yard and must be treated with a durable water-repellent finish. Color of the garments shall be natural/gold.

\_\_\_\_Exception

\_\_\_Comply

#### **THERMAL INSULATING LINER - PANTS**

The thermal liner shall be constructed of 6.8 oz. per square yard Safety Components **GLID ICE™ with PBI G2**; two layers of 20%Pbi/80% DuPont™ Aramid aperture spunlace quilt stitched to a to a 60% Nomex® Filament/40% Nomex®/Lenzing spun yarn Face Cloth. The thermal liner shall be attached to the moisture barrier and bound together by bias-cut Neoprene coated cotton/polyester around the perimeter. This provides superior abrasion resistance to the less expensive, less durable "stitch and turn" method. Further mention of "Thermal Liner" in this specification shall refer to this section.

	Comply	Exception
MOISTURE BARRIER - PANTS		
engineered using an 80% Nom- membrane. The Stedair bi-comp technologies. The moisture barri which includes water penetration resistance. The moisture barrier s	ex <sup>®</sup> /20% Pbi <sup>®</sup> pajama onent ePTFE membra ier material shall mee resistance, viral penet hall be sewn to the the	"STEDAIR® GOLD" ePTFE moisture barrier is a check substrate and BHA Technologies ePTFI ane is a combination of microporous and monolithict all moisture barrier requirements of NFPA 1971 tration resistance and common chemical penetration remains at the edges only and bound with bias-cution of "Specified Moisture Barrier" in this specification
	Comply	Exception
SEALED MOISTURE BARRIER S	SEAMS	
shall be coated with a heat activa	ted glue adhesive. The dhesive shall be activa	num 1 inch wide sealing tape. One side of the tape adhesive side of the tape shall be oriented toward ted by heat and the sealing tape shall be applied to by rollers for that purpose.
	Comply	Exception
METHOD OF THERMAL LINER/N	MOISTURE BARRIER	ATTACHMENT FOR PANTS
shall be spaced along the waist iner/moisture barrier shall be sect Ara-shield <sup>®</sup> snap tabs on the shell	band to secure the t ured to the shell by me shall be color coded to to the outer shell after	y removable from the pant shell. Nine snap fastener thermal liner to the shell. The legs of the thermal eans of Ara-Shield® snap fasteners, 2 per leg. The corresponding color coded snap tabs in the liner for inspection or cleaning is completed. There shall be
	Comply	Exception
THERMAL PROTECTIVE PERFO	PRMANCE	
The assembled garment, consistir Thermal Protective Performance)		oisture barrier and thermal liner, shall exhibit a TPF 35.
	Comply	Exception

#### STITCHING

The outer shell shall be assembled using stitch type #301, #401, #514 and #516. The thermal liners and
moisture barriers shall be assembled using stitch type #301, #401, #504, #514, and #516. Major A outer
shell structural seams and major B structural liner seams, shall have a minimum of 8 to 10 stitches per inch
All major A seams shall be sewn with ball point needles only. All seams shall be continuously stitched only.

Comply	Exception
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#### **PANT CONSTRUCTION**

#### **BODY**

The body of the shell shall be constructed of four separate body panels consisting of two front panels and two back panels. The body panels shall be shaped so as to provide a tailored fit, thereby enhancing body movement and shall be joined together by double stitching with Nomex® thread. In addition to the four body panels, there shall be a seamless, one-piece crotch gusset. The one-piece gusset allows for less bulk, comfort and more freedom of movement in this high stress area. The body panels, seam lengths and crotch gusset shall be graded to size to assure accurate fit in a broad range of sizes.

The front body panels will be wider than the rear body panels to provide more fullness over the knee area. This is accomplished by rolling the side leg seams (inside and outside) to the rear of the pant leg beginning at the knee. The slight taper will prevent premature wear of the side seams by pushing them back and away from the primary high abrasion areas encountered on the sides of the lower legs.

Exception

#### **CONTOURED SADDLE**

The rise of the rear pant center back seam, including gusset, from the top back of the waistband to where it intersects the inside leg seams at the crotch shall exceed the rise at the front of the pant by approximately 8 inches. The longer rear center back seam provides added length in the seat for mobility without restriction when stepping up, kneeling, or crawling and maintains proper alignment of the knee, without twisting, directly over the kneepads when kneeling and crawling.

Comply	Exception

#### **LINER ACCESS OPENING (PANT)**

The thermal liner and moisture barrier layers of the pant liner system shall be constructed in such a way as to allow an access opening for interior inspection, service and replacement. The thermal liner and moisture barrier layers shall be stitched together for security and prevention of inadvertent use of one layer without the other. The liner system shall have a reinforcement material sewn to the bottom of the fly opening. This reinforcement will serve to prevent the liner from tearing in that area from the constant donning and doffing of the pants.

The liner system of the pant shall incorporate an opening along the back of the waistline for ease in inspecting the inner layers and to facilitate performing the complete Liner Inspection. The thermal liner and moisture barrier shall be individually bound with a neoprene coated bias cut tape and joined together on each of the front panels, along the waistband from the front fly opening to side seam. The back of the liner system will be allowed to remain open with two snaps on either side of the back seam to attach the moisture barrier layer to the thermal liner layer. As described previously, the pant thermal layer system snaps directly to the

independent waistband by means of nine snap fasteners. There shall be no hook and loop used to close the liner access opening.
ComplyException
RETROREFLECTIVE FLUORESCENT TRIM
The pants shall have a stripe of retroreflective fluorescent trim encircling each leg below the knee to comply with the requirements of NFPA #1971 in 3 inch lime/yellow Reflexite® Brilliance® with stripe.
Bottom of trim band shall be located approximately 3" above cuff.
The pants shall have a stripe of retroreflective fluorescent trim down the side of each leg from the waist to the cuff in 3 inch lime/yellow Reflexite® Brilliance® with stripe.
ComplyException
REINFORCED TRIM STITCHING
All sewn on reflective trim is secured with flame retardant thread. All trim ends shall be securely sewn into a seam for a clean finished appearance.
ComplyException
ELASTICIZED WAISTBAND
The pant design facilitates the transfer of the weight of the pant to the hips instead of shoulders and suspenders. The two rear outer-shell body panels, beginning at the pant side seams, shall incorporate an elasticized waist insert, running from the side seam towards the back of the trouser for an approximate distance of 4 inches. The rear elasticized waist inserts shall be integral to the shell of the pant and the elasticized portions shall be covered by the outer shell fabric of the pant.
The waist area of the pants shall be reinforced on the inside with a separate piece of black aramid outer shell material, cut on the bias (diagonally). The reinforcement shall be folded in half, for a finished bottom edge and shall have a finished width of not less than approximately 1½ inches. The top edge of the waistband reinforcement shall be double stitched to the outer shell at the top of the pants. The lower edge of the waistband shall be unattached to the shell to accept the thermal liner and moisture barrier. The top of the thermal liner and moisture barrier shall be secured to the underside of the waistband reinforcement by means of nine snaps, spaced equidistant along the length of the waistband reinforcement. Inserting the liner system between the waistband reinforcement and outer shell serves to reduce the possibility of liner detachment while donning and doffing. The independent waistband construction affords greater comfort and fit than a turned and stitched method. Pants that do not include an independent waistband or are not cut on the bias will not provide the same amount of stretch to the garment and shall be considered unacceptable.
ComplyException

#### **EXTERNAL / INTERNAL FLY FLAP**

The pants will have a vertical outside fly flap constructed of two layers of outer shell material, with a layer of moisture barrier material sandwiched between. The fly flap shall be double stitched to the left front body panel and shall measure approximately 2 ¾ inches wide, with a length graded to size based on waist measurement and reinforced with bartacks at the base. An internal fly flap constructed of one layer of outer shell material, thermal liner and specified moisture barrier, measuring approximately 2 inches wide, with a

length graded to size based on waist, shall be sewn to the leading edge of the right front body panel.

The underside of the outside fly flap shall have a 1½ inch wide piece of FR loop fastener tape quadruple stitched full length along the shell material only; stitching shall not penetrate the moisture barrier insert between the two shell fabric layers to insure greater thermal protection and reduced water penetration. A corresponding strip of 1½ inch wide piece of FR hook fastener tape shall be quadruple stitched to the outside right front body panel securing the fly in a closed position.

Comply	Exception
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#### **BLACK ARAMID BELT WITH BELT LOOPS**

When the pant is ordered with either an Escape Belt or a Harness, that belt shall be installed as the positive pant closure. If neither an Escape Belt or a Harness is specified, pants shall include an approximate 2-inch wide belt constructed of aramid webbing material with an adjustable hi-temp thermoplastic Delrin buckle serving as the exterior primary positive locking closure. This buckle shall also provide a quick-release mechanism for donning and doffing.

The pants shall be equipped with a series of belt loops, spaced around the waist to accommodate an Escape Belt, a Harness or the aramid belt. One loop shall be located on the rear of the waist, centered over the rear seam, measuring approximately 3½ inches by 3½ inches. There shall be two additional wide loops at the front of each pant. The top of these two belt loops shall be angled, with the top measuring approximately 2½ inches and the bottom measuring approximately 4½ inches. Under each of the front belt loops there shall be a slit to accommodate an internal harness passing from the inside of the pant, to the outside. The slits shall be at the same angle as the front belt loops, reinforced with black Ara-Shield® material, and having an opening that measures approximately 3 inches.

There shall be 2-piece loops constructed of a double layer of black aramid material installed inside the shell in the hip area, which shall serve to hold the leg loops of an optional internal harness in place. The top and bottom of the loops shall attach to each other with an approximate 1 inch by 1 inch FR hook and loop fastener tape sew to the ends.

In addition to the 3 wide belt loops, there shall be two rappelling harness loops installed at the rear of the pant, just behind each side seam. The loops shall be constructed of a double layer of outer shell material and shall be of a 2-piece design — top and bottom. The top and bottom of each loop shall attach to each other with snap fasteners and FR hook and loop fastener.

Comply	Exception
Comply	Exception

#### **CARABINER HOLD DOWN STRAP**

The pant shall be equipped with a carabiner hold down strap. The strap shall be constructed of double layer black Ara-Sheild® material, consisting of two separate portions to form a strap with an opening of approximately 3 inches. Each portion of the strap shall measure approximately 1¾ inches wide by 3½ inches long. The lower portion of the strap shall be double needle stitched in the vertical position, opening upwards. There shall be a piece of 1½ by 2½ inch hook FR fastener tape single needle stitched to the strap approximately ¼ inch up from the bottom. The upper portion of the strap shall be double needle stitched in the vertical position, opening downwards to interface with the lower portion of the strap. There shall be a piece of corresponding 1½ by 2½ inch loop FR fastener tape single needle stitched to the strap approximately ½ inch down from the top of the strap. On both the upper and lower portions of the strap, there shall be a bartack centered between the double needle stitching. The strap shall be located behind the left front belt loop.

When pant is ordered with the Escape Belt, there shall be an additional carabiner hold down strap, added to the right front belt loop.
ComplyException
ARTICULATED KNEE
The outer shell of the pant legs shall be constructed with horizontal pleats in the knee area with corresponding darts in the liner. In order to provide increased freedom of movement and maximum flexibility, extra material is built into the knee area and this additional fullness is contained by stitching down the pleats on the inside of the shell. The knee reinforcement shall be installed proportionate to the pant inseam, in such a manner that it falls in an anatomically correct knee location.
The thermal liner shall be constructed with four darts per leg in the front of the knee. Two shall be located above the knee (one on each side) and two shall be located below the knee (one on each side). On the moisture barrier, the system shall consist of two darts, rather than pleats, to allow added length in the under knee. The darts in the liner provide a natural bend at the knee. The darts in the liner work in conjunction with the expansion panels in the outer shell to increase freedom of movement when kneeling crawling, climbing stairs or ladders, etc.
ComplyException
LINER KNEE THERMAL ENHANCEMENT
A minimum of one additional layer of specified thermal liner and one additional layer of moisture barrier material, measuring a minimum of 9 inches by 11 inches, shall be sewn to the knee area of the liner system for added CCHR protection and increased thermal insulation in this high compression area. The knee thermal enhancement layers shall be sandwiched between the thermal liner and moisture barrier layers of the liner system and shall be stitched to the thermal liner layer only. The thermal enhancement layer shall have finished edges by means of overedging. Raw or unfinished edges shall be considered unacceptable. Thermal scraps shall not be substituted for full-cut fabric padding. Smaller CCHR reinforcements shall not be considered acceptable since they provide far less area of coverage.
ComplyException
CATHEDRAL KNEE REINFORCEMENTS
The knee area shall be reinforced with black suede leather.
The cathedral shaped knee reinforcement shall be centered on the leg to ensure proper coverage when bending, kneeling and crawling. The knee reinforcements shall measure a minimum of approximately 7 inches wide by 12 inches high at the highest point and shall be double stitched to the outside of the outer shell in the knee area for greater strength and abrasion resistance. The articulated cathedral knee reinforcement shall be cut and stitched to the shell in such a way that there shall be an arch at the top of the reinforcement, tapering down the sides of the reinforcement with a squared off bottom. Knee reinforcements of a smaller size do not provide the same protective coverage and shall be considered unacceptable.
ComplyException
DARRING UNDER WHEE REINFORGEMENTS

#### PADDING UNDER KNEE REINFORCEMENTS

Padding for the knees shall be accomplished with two layers of **Silizone®** foam, sandwiched between the thermal liner and moisture barrier. The placement of Silizone® padding on the thermal versus the shell reduces bulk in the shell and also serves to protect the padding from abrasion and other wear issues that

the outer shell is subject to. Pants with Silizone <sup>®</sup> knee padding on the shell as opposed to on the liner, do not provide the same level of bulk reduction and abrasion resistance and are not recommended.		
ComplyException		
EXPANSION (BELLOWS) POCKETS		
An expansion pocket, measuring approximately 2 inches deep by 10 inches wide by 10 inches high shall be double stitched to the side of each leg straddling the out-seam above the knee and positioned to provide accessibility. The left expansion pocket shall be reinforced with an additional layer of Kevlar® twill material on the inside forming a full pouch. The right expansion pocket shall be reinforced with an additional layer of Kevlar material on the inside covering the full back of the pocket. Two rust resistant metal drain eyelets shall be installed on the underside of each expansion pocket to facilitate drainage of water. The pocket flaps shall be rectangular in shape, constructed of two layers of outer shell material and shall measure approximately 3 inches deeper than the pocket expansion and ½ inch wider than the pocket. The upper pocket corners shall be reinforced with proven backtacks and pocket flaps shall be reinforced with backtacks. The pocket flaps shall be closed by means of FR hook and loop fastener tape. Two pieces of 1½ inch by 3 inch FR hook fastener tape shall be installed vertically on the inside of each pocket flap (one piece on each end). Two corresponding pieces of 1½ inch by 3 inch FR loop fastener tape shall be installed horizontally on the outside of each pocket near the top (one piece on each end) and positioned to engage the hook fastener tape.		
Pocket flaps shall have vertical 3 inch lime/yellow Reflexite® Brilliance® with stripe trim.		
ComplyException		
EXPANSION POCKET REINFORCEMENTS		
The lower half of the expansion pockets shall be reinforced on the outside with black suede leather		
ComplyException		
6 PACK TOOL COMPARTMENT		
A tool pocket constructed of Kevlar® material and measuring approximately 8 inches high by 10 inches wide will be installed on the inside of the right pocket with double stitching. The front pockets will measure 6 inches high. Two separate rows of stitching will divide the tool pocket into six compartments, three in front (6 inches high) and three in back (8 inches high), measuring approximately 3 inches wide and set side-by-side.		
ComplyException		
PANT CUFF REINFORCEMENTS		
The cuff area of the pants shall be reinforced with black suede leather.		
The cuff reinforcement shall not be less than 2 inch in width and folded in half, approximately one half inside and one half outside the end of the legs for greater strength and abrasion resistance. The cuff reinforcement shall be double stitched to the outer shell for a minimum of two rows of stitching. This independent cuff provides an additional layer of protection over a hemmed cuff. Pants that are turned and stitched at the cuff, as opposed to an independent cuff reinforcement, do not provide the same level of abrasion resistance and shall be considered unacceptable.		
Comply Exception		

#### PADDED RIP-CORD SUSPENDERS & ATTACHMENT

On the inside waistband shall be attachments for the standard "H" style "Padded Rip-Cord" suspenders. There will be four attachments total – 2 front, 2 back. The suspender attachments shall be constructed of black Ara-Shield® material measuring approximately ½ inch wide by 3-inches long. They shall be sewn in a horizontal position on the ends only to form a loop. The appearance will be much like a horizontal belt loop to capture the suspender ends.

A pair of "H" style "Padded Rip-Cord" suspenders shall be specially configured for use with the pants. The main body of the suspenders shall be constructed of 2 inch wide black webbing straps. The suspenders shall run over each shoulder to a point approximately shoulder blade high on the back, where they shall be joined by a 2 inch wide horizontal piece of webbing measuring approximately 8-inches long, forming the "H". This shall prevent the suspenders from slipping off the shoulders. The shoulder area of the suspenders will be padded for comfort by fully encasing the webbing with aramid batting and wrap-around black aramid.

The rear ends of the suspenders will be sewn to 2-inch wide elasticized webbing extensions measuring approximately 8-inches in length and terminating with thermoplastic loops. The forward ends of the suspender straps shall be equipped with specially configured black powder coat non-slip metal slides with teeth. Through the metal slides will be the 9 inch lengths of strap webbing "Rip-Cords" terminating with thermoplastic loops on each end. Pulling on the "Rip-Cords" shall allow for quick adjustment of the suspenders.

Threaded through and attached to the thermoplastic loops on the forward and rear ends of the suspenders will be black aramid suspender attachments incorporating two snap fasteners. The aramid suspender attachments are to be threaded through the suspender attachment loops on the inside waistband of the pants. The aramid suspender attachments will then fold over and attach to themselves securing the suspender to the pants.

Suspenders shall have red orange triple trim.		
ComplyException		
REVERSE BOOT CUT		
The outer shell pant leg cuffs will be constructed such that the back of the leg is approximately 1 inch shorter than the front. The liner will also have a reverse boot cut at the rear of the cuff and a concave cut at the front to keep the liner from hanging below the shell. This construction feature will minimize the chance of premature wear of the cuffs and injuries due to falls as a result of "walking" on the pant cuffs Pants that have "cut-outs" in the back panel rather than a contoured boot cut shall be considered unacceptable. ComplyException		
THIRD PARTY TESTING AND LISTING PROGRAM		
All components used in the construction of these garments shall be tested for compliance to NFPA Standard #1971 by Underwriters Laboratories (UL). Underwriters Laboratories shall certify and list compliance to that standard. Such certification shall be denoted by the Underwriters Laboratories certification mark.		
ComplyException		
LABELS		

Appropriate warning label(s) shall be permanently affixed to each garment. Additionally, the NFPA

certification label shall include the following information.

Compliance to NFPA Standard #1971 Underwriters Laboratories classified mark Manufacturer's name Manufacturer's address Manufacturer's garment identification number Date of manufacture Size Exception Comply ISO CERTIFICATION / REGISTRATION The protective clothing manufacturer shall be certified and registered to ISO Standard 9001 to assure a satisfactory level of quality. Indicate below whether the manufacturer is so certified and registered by checking either "Yes" or "No" in the space provided. Yes No **WARRANTY:** The manufacturer shall warrant these jackets and pants to be free from defects in materials and workmanship for their serviceable life when properly used and cared for. Comply Exception **HOOK AND LOOP SUPPORT PROGRAM** Support program shall cover hook or loop tape that has begun to fray or otherwise degrade from normal wear. This program shall remain in effect for a period of five years from the original date of manufacture of the garment. This support program shall cover the repair or replacement, without charge, of any hook and/or loop on the garments produced by the manufacturer providing the garments are otherwise serviceable. This support program does NOT cover damage from fire, heat, chemicals, misuse, accident or negligence. Failure to properly care for garments will serve to void this support program. Comply Exception SIZING BY VENDOR: Both male and female sizing samples shall be available. Both male and female sizing samples shall be on hand for use when sizing. The vendor shall be available to perform all sizing requirements within 96 hours of written notice. Measuring with a tape measure is not acceptable.

#### **GARMENT TRAINING AND SUPPORT**

OSHA requires employees be trained on the capabilities and limitations of their Personal Protective Equipment. The selected vendor shall provide the following:

Exception

Comply

On-site care and maintenance training shall be provided by the manufacturer. Training shall be in compliance with NFPA 1851, current edition, at the conclusion of which each participant shall receive a certificate of completion.

An on-site OSHA mandated training class on the Knowing the Limits of Your PPE shall be provided at no charge. The training shall include structural firefighting coat, pant and boots.

Comply	Exception
Comply	

#### BAR-CODE/RECORD KEEPING INTERFACE

A 1 dimensional barcode, in the interleaved 2 of 5 format shall be printed on the label of each separable layer of the garment.

This barcode shall represent the serial number of the garment. The manufacturer shall be able to provide a detailed list of each asset of a drop-shipped order, and shall include the following:

- Brand
- Order Number
- Serial Number
- Style Number
- Color
- Description
- Chest/Waist Size
- Jacket/pant Length
- Sleeve Length
- Date of Manufacture
- Mark-For Data

This information shall be able to be imported into the manufacturers web-based system designed to facilitate the organization and tracking of assets in accordance with the cleaning and inspection requirements of OSHA and NFPA 1851.

Comply	Exception
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#### PPE RECORD KEEPING

The manufacturer shall make available and no-charge, a password protected data based backed website that does not care whose brand of PPE assets are being recorded. The website shall have the functionality to allow the manufacturer to import all of the pertinent data into the department's account so that the initial data entry by fire department personnel is eliminated.

The website shall allow for the department to use a barcode scanner, if desired, to scan the Interleaved 2 of 5 barcode found in the gear by going to the Search the Serial Number page in PPE record keeping program, and scanning the asset's barcoded serial number.

Comply	Exception

COUNTRY OF ORIGIN	
Jackets and Pants shall b	e manufactured in the United States.
Comply	Exception

#### **EXCEPTIONS TO SPECIFICATIONS**

Any and all exceptions to the above specifications must be clearly stated for each heading. Use additional pages for exceptions, if necessary.

The City has determined that the products listed above meet the City's needs. The manufacturer's reference is not intended to be restrictive and is only descriptive of the type and quality the City desires to purchase. Bids for similar products of like quality will be considered if the bid is fully noted including brand name and model. The City reserves the right to determine products and support of equal value, and whether other brands or models meet the City's product and support needs.



## PROCUREMENT DEPARTMENT

Potential bidders are responsible to check this site for any ADDENDUMS that are issued. It is the responsibility of the BIDDER to check for, download, and include with their BID RESPONSE any and all ADDENDUMS that are issued for a specific BID published by the City of Mobile. Failure to download and include ADDENDUMS in your BID RESPONSE may cause your bid to be rejected.

This is a sealed bid. Any responses faxed or e-mailed will be rejected.

This is a sealed bid. Any response must be submitted in a sealed envelope with the bid number and bid opening date on the outside of the envelope.

Any response that arrives improperly marked or with no bid number and opening date on the outside of the delivery or express package and opened in error will be rejected and not considered.

It is the responsibility of the bidder to insure that their bid response is delivered to and received in the Purchasing Department <u>before</u> the date and time of the bid opening.

Be sure to read the Terms and Conditions. All bids are F.O.B. Destination unless otherwise stated.

Be sure to sign your bid!

Package/Bid Delivery Address: Purchasing Department 205 Government St. Room S408 Mobile, AL 36644

(Request First Delivery)