

THL RATING

The composite of outer shell, thermal barrier and moisture barrier shall meet or exceed the minimum THL requirement of the latest edition of NFPA 1971. Manufacturer shall state on his or her bid the THL value of the proposed composite.

THL: 269.1

COMPLY X EXCEPTION _____

TPP RATING

The composite of outer shell, thermal barrier and moisture barrier shall meet or exceed the minimum TPP requirement of the latest edition of NFPA 1971. Manufacturer shall state on his or her bid the TPP value of the proposed composite.

TPP: 39.2

COMPLY X EXCEPTION _____

LABELING

The coats and pants shall be labeled according to the applicable standards and regulations. A warning label shall be applied about use and protection of the garment. A human readable unique serial number shall be assigned to the coats and pants. The unique serial number shall also be translated into bar code so it can be read by care and maintenance facilities.

COMPLY X EXCEPTION _____

PACKAGING

The garments shall be individually put in a bag that protects them from external elements including UV RAYS on ALL sides before being placed in a transportation box. The individual bags shall have a label that includes the garment identification. The same label shall also be affixed to the transportation box for easier processing by the department.

COMPLY X EXCEPTION _____

OUTER SHELL

The outer shell color shall be black for all components.

The material for the outer shell shall be Armor AP made by Safety Components.

COMPLY X EXCEPTION _____

MOISTURE BARRIER

The moisture barrier material must be Stedair 4000, made by Stedfast.

COMPLY X EXCEPTION _____

THERMAL BARRIER

7.4 oz Glide Ice 2-Layer

Glide Ice 3.6 oz/yd² face cloth consisting of 60% DuPont™ Nomex® filament and 40% DuPont™ Nomex®/Lenzing FR spun yarns quilted to 2 layers of DuPont™ Nomex® E89™ spunlace – 2.3 oz. Yd² and 1.5 oz/ yd².

COMPLY X EXCEPTION _____

HARDWARE

Snaps shall be prong type. Stitching of all long pieces of hook and loop shall be done with a triple row of lock stitching. Stitching of all short pieces of hook and loop shall be done with a single row of lock stitching around the edges with an "X" in the center. All hook and loop larger than one (1) inch shall have rounded corners.

COMPLY X EXCEPTION _____

ANGLED CUFFS

The sleeve cuffs shall be cut at an angle so that the top of the cuff is longer than the bottom to provide additional overlap of the cuff over the glove interface and provide additional protection while providing unrestricted range of motion.

Coat designs without angled cuffs are not considered acceptable by this department.

COMPLY X EXCEPTION _____

CUFF REINFORCEMENT

The sleeve cuffs shall be reinforced with black polymer coated aramid material. The reinforcement shall include a Nomex® cording to prevent stress points on the reinforcement material and reduce abrasion and repairs. The reinforcement material shall be sewn inside the outer shell to prevent thread abrasion and repairs. Reinforcement shall extend no less than 2" from the base of the cuff.

COMPLY X EXCEPTION _____

GLOVE INTERFACE

The interface shall be a long Nomex® knit wristlet with a thumb tab loop.

COMPLY X EXCEPTION _____

COAT CLOSURE SYSTEM

The positive closure system shall consist of a heavy-duty zipper. The positive closure shall be covered by an internal flap to prevent liquids and contaminants from entering the jacket. The closure shall be completed by an external storm flap extending from the bottom of the jacket to the top of the collar, to prevent any gaps in the throat area. The storm flap and throat closure shall be constructed of three (3) layers: two (2) layers of outer shell and one (1) layer of moisture barrier. The flap shall be fastened to the front of the jacket by means of four (4) hooks and D-Rings. The D-Rings shall be distributed evenly along the edge of the storm flap and attached with rivets. The Hooks shall be set on the left side panel of the coat to match the D-Rings from the storm flap.

The moisture barrier in storm flap shall be the SAME as the moisture barrier selected in the MOISTURE BARRIER section of this specification. Use of moisture barrier other than that specified in the MOISTURE BARRIER section are not considered acceptable by this department.

COMPLY X EXCEPTION _____

POCKETS

The coats shall be provided with two (2) semi-bellow pockets. Bottoms of the pockets shall be reinforced on the inside and outside with the same material outlined for cuff reinforcement. The reinforcement shall cover the bottom of the pocket and extend up the pocket on all sides by 2 inches. Both pockets must have "hand warmer" area integrated. The pocket cover flap shall have additional material (cylinder) added to the bottom edge for easy grip with gloved hand. The pocket shall also include tow drainage eyelets at the bottom.

THERE WILL BE (2) LOW PROFILE COMBINATION POCKETS ON THE COAT. THESE WERE DESIGNED TO ENHANCE THE FUNCTIONS AND CONCEPT OF THE INNOVEX ENERGY MODEL DESIGN.

T
COMPLY _____ EXCEPTION X _____

RADIO POCKET

The coat shall have a radio pocket. The pocket shall have at least one (1) drainage eyelet on the bottom. The pocket shall be located on the left breast of the coat.

COMPLY X _____ EXCEPTION _____

REFLECTIVE TRIM PATTERN

The trim shall be "HIGH VISIBILITY" style; one (1) band around the lower portion of the jacket, one (1) band around the back and chest area below the armpit, two (2) vertical bands between the lower back trim and upper back trim, two (2) bands on each arms, one (1) above and one (1) below the elbow.

COMPLY X _____ EXCEPTION _____

REFLECTIVE TRIM TYPE

An additional layer of neoprene shall be sewn to the thermal barrier under the arm reflective trim, to meet the Stored and Thermal Energy requirement.

The color of the trim shall be yellow and have the highest visibility rating.

COMPLY X _____ EXCEPTION _____

OUTER SHELL REMOVABLE PATCH (4"X17")

A patch for lettering constructed of outer shell fabric shall be installed on the back portion of the jacket and secured to the lowest part of the back of the jacket with the use of snaps and/or Velcro/hook and loop. This patch shall measure approximately four (4) inches high by seventeen (17) inches wide. This patch shall be used for end users name to be placed on the patch with letters made of the same material outlined for reflective material in this spec.

COMPLY X EXCEPTION _____

Department name designation

On the back of the coat at the top shall be the letters (E C F R) oriented in the center, straight across the shoulders with no less than 3" lettering made of the same material outlined for reflective material in this spec.

COMPLY X EXCEPTION _____

MICROPHONE / P.A.S.S. LOOP

A loop for a microphone or P.A.S.S. alarm shall be installed above the radio pocket. The loop shall be one (1) inch high and have an opening of approximately one inch and three quarters (1-3/4) of usable space and be made of the specified outer shell. The loop shall be bartacked at each end to the front of the jacket.

COMPLY X EXCEPTION _____

FLASHLIGHT HOLDER

The coat shall have an adjustable loop made of outer shell. The loop shall measure eleven (11) inches long and be attached to the outer shell with bartacks leaving an opening of approximately one inch and a half (1-1/2). The loop shall close onto itself with the use of hook and loop fastener. The coat shall also have a metal clip riveted above the loop. This will be located on the right chest of the coat.

COMPLY X EXCEPTION _____

PANT SPECIFICATIONS

REGULAR WAIST

The pant shall be of regular waist design. The circumference of the waist shall allow the wearer to pull his or her pants up without restriction. The front to the pant shall be graded with the waist size to provide appropriate overlap with the coat. The back to the pant shall be graded with the waist size to provide appropriate overlap with the coat.

COMPLY X EXCEPTION _____

OUTER SHELL CONSTRUCTION

The material for the outer shell shall be Armor AP made by Safety Components.

COMPLY X EXCEPTION _____

LINER CONSTRUCTION

7.4 oz Glide Ice 2-Layer

Glide Ice 3.6 oz/yd² face cloth consisting of 60% DuPont™ Nomex® filament and 40% DuPont™ Nomex®/Lenzing FR spun yarns quilted to 2 layers of DuPont™ Nomex® E89™ spunlace – 2.3 oz. Yd² and 1.5 oz/ yd².

The liner shall not use any form of Velcro or hook and loop system to attach to the outer shell. Zippers or snaps are acceptable. The liner pattern must match the same pattern as the outer shell.

Two additional layers of thermal barrier shall be sewn in the knee area for increased CCHR protection.

COMPLY X EXCEPTION _____

PANT CLOSURE SYSTEM

The positive closure system shall consist of hook and loop style closure. The storm flap shall be held closed with clasp and D-ring. Belt and storm flap shall close on the same side.

The pant shall have a removable class I belt. The belt shall be passed through seven (7) belt loops fixed on the pants. The belt loops shall be made of outer shell and shall be installed at the waist area of the pants. Each belt loop shall have an opening large enough for a belt and shall be secured to the pant with lock stitching and bartacks on one end and snaps on the other end.

COMPLY X EXCEPTION _____

POCKETS

The pants shall be provided with two (2) bellow pockets with cover flaps. All four sides of the pockets shall be reinforced on the outside and inside with the same material outlined for cuff reinforcement. The reinforcement shall cover the bottom of the pocket and extend up the pocket on all sides by 5 inches. The pocket cover flap shall have additional material (cylinder) added to the bottom edge for easy grip with gloved hand. The pocket shall also include tow drainage eyelets at the bottom.

TWO BELLOW POCKETS SHALL BE INCLUDED. EACH POCKET WILL BE REINFORCED WITH KEVLAR TWILL ON THE INSIDE AND A POLYMER-COATED KEVLAR ON THE OUTSIDE. PUTTING A POLYMER-COATED FABRIC ON EACH SIDE CREATES A THICKNESS TO WIDE TO ENSURE PROPER LOCKING OF EACH STITCH

COMPLY _____

EXCEPTION _____

X

KNEE REINFORCEMENT / PADDING

The knee area shall be reinforced by a rectangular piece of black polymer coated aramid graded in length in proportion with the pant size and shall be double stitched to the outer shell. A padding made of three (3) layers of thermal barrier with one (1) layer of silicone shall be inserted between the polymer coated aramid knee reinforcement and the pant outer shell.

TOO MANY LAYERS IN THE KNEE AREA IMPEDE THE MOVEMENT THAT THE GEAR IS DESIGNED TO DO. THE MOST THAT IS RECOMMENDED IS TWO LAYERS OF CLOSED-CELL FOAM OR THREE LAYERS OF NOMEX FELT FOR THE INNOTEX ENERGY DESIGN

COMPLY _____

EXCEPTION _____

X

CUFF REINFORCEMENT

The pant cuffs shall be reinforced with black polymer coated aramid material. The reinforcement shall include a Nomex® cording to prevent stress points on the reinforcement material and reduce abrasion and repairs. The reinforcement material shall be sewn inside the outer shell to prevent thread abrasion and repairs. Reinforcement shall extend no less than 2" from the bottom of the pant leg.

COMPLY _____

EXCEPTION _____

X

REFLECTIVE TRIM PATTERN

The trim shall be "NFPA" style; one (1) band around the lower portion of each leg and one band vertically from waist down to the lower band on the outside of the leg.

COMPLY _____

EXCEPTION _____

X

REFLECTIVE TRIM TYPE

An additional layer of neoprene shall be sewn to the thermal barrier under the arm reflective trim, to meet the Stored and Thermal Energy requirement.

The color of the trim shall be yellow and have the highest visibility rating.

COMPLY X EXCEPTION _____

BELT LOOPS

The pant shall be equipped with a minimum of seven (7) belt loops made of outer shell and shall be installed equally spaced around the waist area of the pant. One (1) loop shall be centered on the back of the pant and shall have the ability to have an antisway strap for a radio harness attached to it. Each loop shall have an opening wide enough to fit a class I belt/ harness and shall be secured to the pant with lock stitching and bartacks on one end and snaps on the other enabling the user to open and close the loop.

COMPLY X EXCEPTION _____

SUSPENDERS

Shall be of the ergonomic weight distributing type and be adjustable.

COMPLY X EXCEPTION _____

PRICE PER SET OF INNOTEK ENERGY TURNOUT GEAR = \$ 1,901.21
FREIGHT PER SET \$ 20.00
TOTAL PER SET \$ 1,921.21

**Escambia County
Wear Trial Gear
Exceptions**

<i>Section</i>	<i>Explanation</i>
Pockets - Coat	There will be (2) Low Profile, combination pockets on the coat. These were Designed to enhance the function and concept of the Energy Model.
Pockets – Pants	Two Bellows pockets shall be included. Each pocket will be reinforced with Kevlar Twill on the inside and a Polymer-coated Kevlar on the Outside. Putting a polymer-coated fabric on each side creates a thickness to wide to ensure proper locking of each stitch.
Knee Reinforcement	Too many layers in the knee area, impede the movement that the gear is designed to do. The most that is recommended is: *Two layers of Closed-Cell Foam OR *Three layers of Nomex Felt

Georgia Fire & Rescue Supply

(770) 479-5495 • (866) 479-5495

www.georgiafirerescue.com

602 Water Tank Road
Canton, GA 30115

Quote

Quote Number:
01242019-02jgw

Quote Date:
Jan 24, 2019

3% fee added to purchase
made with credit card on
totals of \$3000 or more

Page:
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Quoted to:

Escambia County Fire Rescue
6575 North West Street
Pensacola, FL 32501
United States

Escambia County Fire Rescue
6575 North West Street
Pensacola, FL 32501
United States

Customer ID	Good Thru	Payment Terms	Sales Rep	
Escambia County Fire	2/23/19	Net 30 Days	Jason	
Quantity	Item	Description	Unit Price	Extension
1.00		Fire Department Bunker Gear / Trial Gear - FIRE-011519		
		Set of Innotex ENERGY Turnout Coat & Pants to Escambia County Fire Rescue Specifications - QUO-38279-S8B1	1,901.21	1,901.21
1.00		KEVLAR BUNKER ESCAPE BELT		
			Subtotal	1,901.21
			Sales Tax	
			Freight	20.00
			Total	1,921.21

COAT ENERGY - INNOTEX ENERGY™	QTY	MSRP	SUB TOTAL
NFPA 1971-2018			
32" STYLE - SINGLE COLOR OUTER SHELL - WITH SINGLE METABOLIC ZONE (THERMAL BARRIER)	1		
INNOTEX GRAY – particulate blocking layer for sleeve well (WRISTLET WITH THUMB LOOP), storm band (HOOK & LOOP closure)	1		
Armor AP™, 80% Nomex®/Kevlar® spun yarns with 20% 400 denier Kevlar® filament 6.5 osy - Black			
Stedair© 4000, 5.0 osy			
Glide Ice™ 2-layer (2.3 osy & 1.5 osy E89™), 7.4 osy			
3M Scotchlite® 3" (triple trim) - Yellow Grey			
Trim Pattern: Hi-Visibility Style	1		
Riveted clip (outside) - Zipper (VISLON®) (inside)	1		
Zippered combo pockets - (pair) - built-in hand-warmer	1		
Radio pocket (unit) - Regular	1		
POSITION: Radio Pocket: H: 8 x L: 4 x D: 2 (dimensions in inches) - POSITION B -			
Standard flap with Grabber™	1		
Inside pocket (7.5" x 8") with hook & loop (1" x 3") (unit) - Regular	1		
Utility pouch with "QRS system"	1		
Vented back protection Airflow™	1		
Vented shoulders protection Airflow™	1		
Mic loop / P.A.S.S. loop / 1 UNITS / Left chest	1		
Thermal liner attachments (bottom of coat) (unit) / 1 UNITS	1		
Flashlight Holder - Clip with Hook & Loop Fastener (SL-90) / 1 UNITS / Right chest	1		
Removable utility gloves strap QRS system	1		
PERSO: Back under neck (H) - Lettering - For all units (ECFR) / Scotchlite® 3" - Lime yellow / Sewn on shell	1		

PERSO: Hem of coat (M) - Lettering - Different for each unit ([2]-Name - see list) / Average 8 letters / Scotchlite® 3" - Lime yellow / Sewn on removable patch / 4" X 17"	1
Polymer coated aramid Color: BLACK	
POSITION: Inside pocket: Left side	
Limited 2-year Warranty	1

PANTS ENERGY - INNOTEX ENERGY™	QTY	MSRP	SUB TOTAL
NFPA 1971-2018			
Regular waist - SINGLE COLOR OUTER SHELL - WITH SINGLE METABOLIC ZONE (THERMAL BARRIER)	1		
INNOTEX GRAY – Particulate blocking layer for leg gaiter and fly	1		
Armor AP™, 80% Nomex®/Kevlar® spun yarns with 20% 400 denier Kevlar® filament 6.5 osy - Black			
Stedair® 4000, 5.0 osy			
Glide Ice™ 2-layer (2.3 osy & 1.5 osy E89™), 7.4 osy			
3M Scotchlite® 3" (triple trim) - Yellow Grey			
Trim Pattern: Standard NFPA	1		
Closure system - Chicago compact Hook and D-ring	1		
EMK™ (Enhanced Mobility Knee) in Polymer coated aramid - With 2 layers of closed cell FR blend sponge foam (BLACK REINFORCEMENT)	1		
DELUXE Cotton suspenders ("H style")	1		
BIG BOOT Calf	1		
Belt loops (6 units) (Included)-(4" x 2") / 6 UNITS	1		
Polymer coated aramid Color: BLACK			
PANTS SPECIAL PRODUCTION RUN	1		
Limited 2-year Warranty	1		
N-STD: Full bellows pockets (pair) - (10" X 10" X 2") - Lined with Kevlar® twill inside & Polymer coated aramid outside (BLACK REINFORCEMENT)	1		
N-STD: Additionnal Belt loop - down to other, on back (1 unit) (4" x 2")	1		

Because of our ongoing commitment to product quality and development, we reserve the right to change, cancel, discontinue or alter any specification, price, design or feature without prior notice and without incurring any obligation.