



CITY OF TORRINGTON

PURCHASING DEPARTMENT
140 Main Street, Room 206
Torrington, CT 06790

Pennie Zucco, Purchasing Agent
Phone: (860)-489-2225
Fax (860)-489-2547
Email: pennie_zucco@torringtonct.org

November 9, 2022

Mayor Elinor Carbone
Members of the City Council
Members of the Board of Public Safety

Re: RFP #PPE-022-091522 FIREFIGHTER PERSONAL PROTECTIVE EQUIPMENT

One (1) vendor submitted a proposal to The City of Torrington to supply Firefighter Personal Protective Equipment for the Torrington Fire Department. Brigham Industries, Inc. proposal included with the extension of the contract, a six (6%) percent increase each year for additional PPE gear for the firefighters if required. Brigham Industries has also been the supplier of the PPE to the Torrington Fire Department for the last five (5) years.

Brigham Industries, Inc.
Paxton, MA

\$2,999.00/set

After reviewing the proposal, it is the recommendation of Chief Eric Borden and Purchasing Agent Pennie Zucco authorize the Mayor to award the bid to Brigham Industries, Inc., Paxton, MA for the purchase of approximately 10 sets of PPE, at the price of \$2,999.00 per set pending City Council Approval and to have the Mayor act on the behalf of the City regarding the execution of the contract and its administration.

Funding of this project will be from the Fire Department Capital account.

Thank you for your consideration on this matter.


Pennie Zucco
Purchasing Agent

cc: E. Borden; D. Tripp



City of Torrington

Bid Name Firefighter Personal Protective Gear

Bid Number RFP PPS-002-091502

Date of Opening 9/15/02

Time of Opening 11am

VENDOR	BID BOND	NON-COLLUSION	BID AMOUNT	ADDENDUM
Brigham Industries 15 Brigham Rd. Foxton, MA 01612	\$1,500.00	<input checked="" type="checkbox"/>	\$29,990.00 Total Cost \$2999.00 per set	



Eric Borden
Chief Fire Services

**Torrington Fire Department
City of Torrington**

Robert J. Shopey III
Training/Safety Division

Edward Bascetta
Fire Prevention/Investigation Division

David A. Tripp, Jr.
Deputy Chief Operations



11/07/2022

Pennie Zucco
Purchasing Agent
City of Torrington
140 Main Street
Torrington, CT 06790
860-489-2225
860-489-2547 (fax)
pennie_zucco@torringtonct.org

Pennie,

This letter is to serve as my approval of RFP PPE-022-091522 as well as the recommendation to use Bringham Industries as the vendor for this RFP. The account number as provided by Chief Tripp is 0311-888-5900-0103. Thank you and please don't hesitate if you need anything further.

Eric Borden
Fire Chief
860-489-2257

Eric Borden



CITY OF TORRINGTON
REQUEST FOR PROPOSAL

RFP# PPE-022-091522 FIREFIGHTER PERSONAL PROTECTIVE EQUIPMENT

Bid Opening: Sept. 15, 2022 Time: 11:00 AM Location: City Hall, 140 Main St., Rm. 206, Torrington, CT

Bid Bond or Certified Check required with bid: 5%

Performance Bond required if awarded bid: "see instructions to Bidders"

SUBMIT ONE (1) ORIGINAL AND THREE (3) EXACT COPIES.

The City of Torrington reserves the right to accept or reject any or all bids or any portion thereof, to waive technicalities, and to award the contract as will best serve the public interest.

Omit State and Federal Taxes.

All prices must be F.O.B.: Destination (Torrington) unless otherwise requested.

Dated in Torrington: 8/10/2022

Purchasing Agent Pennie Zucco

ITEMS	PRICE
PURCHASE OF APPROXIMATELY 10 – 20 SETS OF FIREFIGHTER PERSONAL PROTECTIVE EQUIPMENT PER SPECIFICATIONS 10SCB	\$ <u>2999</u> — Per Set \$ <u>29,990</u> — Total Cost

The Purchasing Agent is authorized to offer City based bidders that exceed the lowest bid by up to 6%, the opportunity to match the lowest bid. A City based bidder within the 6% differential who agrees to accept the amount of the lowest bid will be awarded the bid. When multiple City based bidders agree to accept the amount of the low bid then the City based bidders will be invited to submit a new bid, not to exceed the low bid. The bid will then be awarded to the lowest responsive, responsible bidder.

Bidder: Brigham INDUSTRIES, INC

Address: 15 Brigham Rd Paxton MA 01612

(Signed By) Janice Bagdis Title: President

Name (please print) Janice Bagdis Date: 9/10/2022

Phone: 508 7957905 Fax: 508 7551676 Mail: jbagdis@brighamindustries.com

Federal Tax Identification Number: (FEIN) 51 0328567

Comments: _____

SAMPLE FORM
Bid # PPC-022-091522

NON-COLLUSION AFFIDAVIT

STATE OF MA COUNTY OF Worcester

I, Janice Bagdis, being first duly sworn, deposes and says that:

1. I am Janice Bagdis
of Brigham Industries, Inc. the bidder that has
submitted the attached request for proposal for PPC;
2. I am fully informed respecting the preparation and contents of the attached RFP and of all pertinent circumstances respecting such bid;
3. Such Bid is genuine and is not a collusive or sham Bid;
4. Neither the Bidder nor any of its officers, partners, owners, agents, representatives, employees or parties of interest, including this affiant, has in any way colluded, conspired, connived or agreed directly or indirectly with any other Bidder, firm or person to submit a collusive or sham Bid in connection with the work for which the attached Bid has been submitted nor has it in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Bidder, firm or person to fix the price or prices in the attached Bid or of any other Bidder, or to fix any overhead, profit or cost element of the Bid price or the price of any Bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against the City of Torrington or any person interested in the proposed Bid; and
5. The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

Signed Janice Bagdis
Title President

Subscribed and sworn to before this
12 day of September, 2022

Jaimie L Eldredge
Jaimie L Eldredge
Notary Public

My commission expires July 12, 2024



NOTE: Documents must be signed before and sealed by a Notary Public. Only documents bearing a notary seal will be accepted.

the bidder being rejected as nonresponsive. Interested vendors should check the website 48 hours before the closing date.

All information given by the City except by written addendum shall be informal and shall not be binding upon the City nor shall it furnish a basis for legal action by any Contractor or prospective Contractor against the City.

The bidder hereby acknowledges receipt of and agrees this submittal is based on the RFP and the following addenda. (If additional addenda are issued, attach a complete listing of these addenda when submitting this proposal:)

none

ADDENDUM # _____ DATED _____ ADDENDUM # _____ DATED _____

ADDENDUM # _____ DATED _____ ADDENDUM # _____ DATED _____

ADDENDUM # _____ DATED _____ ADDENDUM # _____ DATED _____

Bid Submission

All bids are due and must be delivered to the City of Torrington Purchasing Department on or before **Thursday, September 15, 2022, by 11:00 A.M.** Sealed Bids must be addressed and delivered to: City of Torrington, Purchasing Department, City Hall, 140 Main Street, Room 206, Torrington, CT 06790.

Bids submitted later than date and time will not be accepted. **Faxed, e-mailed or late proposals will not be considered or accepted.** Any alleged oral agreement made by a bidder or contractor with any agency or employee of the City of Torrington will be disregarded. The City will not be liable for any costs incurred in the preparation of the response for this RFP.

Each Bidder must submit one (1) original and three (3) exact copies in a sealed envelope clearly marked **"PPE-022-091522, FIREFIGHTER PERSONAL PROTECTIVE EQUIPMENT"**.

Award

The initial contract will be for a one (1) year period. If the awarded vendor's performance at the conclusion of the first year is satisfactory, the City reserves the right with the vendor's concurrence to extend the contract for four additional year's at the same terms and conditions of the original contract.

The City may also utilize alternatives offered in the Bid Forms, if any, to determine the lowest responsible Bidder.

Previous experience and performance will be a factor in making the award. References shall be provided by bidder in bid form.

Bid shall include all charges for on-site measuring for the department's four (4) shifts, products, packing, delivery, warranty, etc. unless otherwise stated in the bid document. Time of delivery shall be stated as the number of calendar days following receipt of the order by the vendor to receipt of the goods or services by the City.

The successful bidder's prices will remain firm through the length of the contract as designated within these bid specifications. Prices shall be stated in units of quantity specified in the bid document.

Samples of articles, when required, shall be furnished free of cost, of any sort, to the City of Torrington. Samples of articles selected may be retained for future comparison. Samples that are not destroyed by testing, or which are not retained for future comparison. Will be returned upon request at your expense.

Any Bid which does not conform fully to these instructions may be rejected.

OFFICIAL DOCUMENTS

The City of Torrington shall accept no changes to the bid documents made by the Bidder unless those changes are set forth in the "Specification and Explanation Worksheet" section of Bid form.

2. ISO CERTIFICATION/REGISTRATION

The protective clothing manufacturer shall be certified and registered to the current edition of the ISO Standard 9001 to assure a satisfactory level of quality. Indicate whether the manufacturer is so certified and registered by checking "Comply or Exception."

☒ **Comply** ☐ **Exception**

3. PERFORMANCE CLAUSE

The sales representative shall have fifteen (15) calendar days to measure/fit an individual for gear after the request from the department.

☒ **Comply** ☐ **Exception**

4. DELIVERY

Delivery of equipment shall be to the Torrington Fire Department, located at 111 Water Street, Torrington, CT 06790. This PPE will be delivered no later than forty-five (45) calendar days after completed and approved measurements. Failure to deliver within sixty (60) calendar days from the initial request shall result in a 5% reduction in cost for every five (5) calendar days that it is late. Extenuating circumstances may excuse the delivery clause. These circumstances may be as follows but not limited to: Industry wide material shortage, NFPA edition change, and/or unusual weather conditions directly affecting the manufacturing or delivery process. The City of Torrington reserves the right to accept or deny reasons for late delivery.

☐ **Comply** ☒ **Exception**

5. SIZING

Each garment shall be ergonomically designed. To ensure a perfect fit, sizing shall be determined by actual measurements taken of the firefighter by a trained measurement specialist, or sizing try-ons, or both. Current sizing shall be done in accordance with NFPA 1500 and available for male and female. General sizing such as small, medium, large, XL are not acceptable. Garments shall be available in custom sizing as follows: coat chest in 2-inch increments, coat sleeve in 0.5-inch increments, coat back length in 1-inch increments, pant waist in 2-inch increments and pant inseam in 1-inch increments. Each sleeve and inseam length shall provide 100% gradation from shoulder to wrist, and from hip to ankle, to provide proper fit for individual arm and leg lengths. Pattern tailoring to custom-fit neck, bicep, hip/seat and thigh circumferences must also be provided, when needed, at no additional charge.

☒ **Comply** ☐ **Exception**

6. OUTER SHELL MATERIAL – JACKETS AND TROUSERS

The outer shell shall be constructed of Armor AP (Safety Components) and shall have:

- a. 6.5 oz. per square yard

- b. 80% Meta/Para-Aramid spun yarns
- c. 20% 400 denier Dupont Kevlar filament
- d. Weave: Comfort Twill with Filament Twill Technology
- e. Teflon F-PPE enhanced water repellant finish
- f. Color of garment is to be black

~~X~~ Comply _____ Exception

7. THERMAL INSULATING LINER – JACKET AND PANTS

The thermal liner shall be constructed of Glide Gold 2-Layer

- a. 7.4 oz. per square yard
- b. Two (2) layers of Nomex E-89 spun lace batt quilted with Nomex thread to Kevlar and spun Nomex/Lensing FR blend twill weave face cloth
- c. A seven (7) inch by nine (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 with users' name attached to a label on it.

~~X~~ Comply _____ Exception

8. LINER ATTACHMENT

- a. The completed liner-moisture barrier assembly shall attach by means of four (4) evenly spaced glove snaps to each outer shell front facing to reduce weight, bulk and stiffness.
- b. The use of zippers or hook and loop fasteners **in this area** is not allowed due to their added weight, bulk and stiffness. Liner sleeves shall be attached at the cuff by means of snaps on two (2) sets of Nomex tabbing per cuff.
- c. The male and female snap parts shall both be located on Nomex tabbing that is sewn to the liner at the cuff.
- d. Attachment at the neck shall be by means of four (4) glove snaps that penetrate only the layer of the attachment strip facing towards the liner, so that metal contact at a wearer's neckline is completely eliminated.

~~X~~ Comply _____ Exception

9. MOISTURE BARRIER – JACKET AND PANTS

The moisture barrier material shall be constructed of Stedair 4000

- a. 5.5 oz. per square yard
- b. Nomex IIIA woven pajama check substrate laminated to an enhanced bi-component membrane comprised of an expanded PTFE (Teflon) matrix with a continuous hydrophilic and oleophobic coating impregnated into the matrix
- c. Five (5) year warranty
- d. Stedair moisture barrier seams shall be sealed with Stedair seam tape to afford comparable viral penetration resistance performance.
- e. The thermal liner and moisture barrier shall be completely removable from the jacket shell. The snap tab shall be color coded to a corresponding snap tab in the liner for ease of matching the liner system to the outer shell after inspection or cleaning is completed.
- f. The thermal liner and moisture barrier shall be completely removable from the trouser shell. The legs of the thermal liner/moisture barrier shall be secured to the shell by means of a minimum of two (2) **Ara-Shield** fasteners per leg. The snap tabs shall be color coded to a corresponding snap tab in the liner for ease of matching the liner system to the outer shell after inspection or cleaning is completed. The liner system shall have a reinforcement of black Nomex Twill 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 trousers.

~~X~~ Comply ____ Exception

10. 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 thirty-five (35) and a THL (total heat loss) rating of no more than two hundred sixty-five (265).

269 ~~X~~ Comply ____ Exception

11. PATTERNING REQUIREMENTS

To assure maximum freedom of movement and reduce kinetic resistance with minimum garment weight and bulk, coat patterning shall include the following features:

- a) Degree of slope on shoulders shall be no more than 20%.
- b) Sleeve attachment shall minimize shoulder lift and allow a full 360 degrees freedom of Movement.
- c) Coat hem rise with overhead reach of both arms not to exceed 4-inch maximal extension on properly fitted garments.
- d) Shell-and-liner retraction at the cuff shall not exceed one (1) inch when both arms are raised overhead. This helps eliminate wrist exposure.
- e) Ten (10) inch chest over-sizing shall be provided.
- f) Coat sweep measurements must be consistent with the chest over-size at the hem.

~~X~~ Comply ____ Exception

PATTERNING CONCEPT

One-piece garments (either all layers or some layers) will not be considered acceptable since they cannot be tailored to hard-to-fit personnel. Similarly, garments with seams in mid-back are not considered acceptable because of backbone irritation that can occur with SCBA use. To facilitate individual tailoring needs, the major A & B seams joining the one-piece back to the right and the left front body panels (outer shell and all interior layers) shall be located at the most lateral position when the coat is laid flat for inspection.

~~X~~ Comply ____ Exception

DESIGN CONCEPT (STYLING)

The coat shall be approximately 6 inches (15.2 cm) longer at the rear hem than at the front. The coat composite (all three layers) shall not gap when the firefighter is bending, crawling or climbing. Gapping shall be determined as defined by NFPA 1500 with both arms fully overhead and wearer bending to rear, sides and front. The actual length of coats (shorter or longer) will be determined by each individual's torso length. Coat must interface properly with standard height pants.

~~X~~ Comply ____ Exception

12. DRAG RESCUE DEVICE (DRD)

A firefighter drag rescue device shall be installed in each jacket. The ends of the 1 ½ inch wide strap will be sewn together to form a continuous loop. It will be installed in the jacket between the liner and

outer shell. The access port will be covered by an outside flap with beveled corners designed to fit between the shoulder straps of an SCBA. The flap will have an NFPA compliant 3M Scotchlite reflective logo patch sewn to the outside to clearly identify the DRP.

~~X~~ Comply _____ Exception

13. LINER ACCESS OPENING (INSPECTION PORT)

The liner system of the jacket and trousers shall have an opening installed into it for the purposes of inspecting the integrity of the thermal liner/moisture barrier. This opening will be approximately ten (10) inches along the perimeter. This opening shall remain closed when jacket is in use by the means of a zipper closure.

~~X~~ Comply _____ Exception

14. RETROREFLECTIVE FLUORESCENT TRIM

- a. The retroreflective fluorescent trim shall be three (3) inch Scotchlite.
- b. Each garment will have the trim segmented and affixed to the outside shell and meet the requirements of NFPA 1971 (2018 edition) and OSHA.
- c. The trim shall be the Project Fire style on the jacket and the trim shall be on each leg below the knee approximately 4-6 inches above the bottom of the pant.
- d. The trim will be lime for the firefighters, and it will be orange for the officers.

~~X~~ Comply _____ Exception

15. REINFORCED TRIM STITCHING

All reflective trim will be secured to the outer shell with Nomex thread, using a locking chain stitch. All trim ends shall be securely sewn into a seam for a clean finished appearance. This will be stitched with four (4) rows lockstitch.

~~X~~ Comply _____ Exception

SELF-BINDING

Liner and moisture barrier shall be stitched together and turned, then topstitched, to create a self-binding. The extra bulk of separate binding material is specifically prohibited.

~~X~~ Comply _____ Exception

THREAD

All thread used in structural seams shall be Nomex® of minimum Tex size T-70. Light colored garments and trim areas shall feature yellow thread. Black and dark garments shall feature black thread. Tan or bronze colored garments shall feature tan thread.

~~X~~ Comply _____ Exception

STITCH METHODS

The outer shell shall be assembled using NFPA approved stitching. The thermal liner and moisture barriers shall be assembled using NFPA approved stitching.

1. The outer shell shall be assembled using stitch #301, #401, #514, and #516.
2. The thermal liners and moisture barriers shall be assembled using type #301, #401, #504, #514, and #516.
3. Stitching in all seams shall be continuous. There shall be no joined stitching in midstream.

4. All major "A" outer shell structural seams, major "B" structural liner seams, and minor seams including but not limited to pockets, flaps, and material reinforcements, shall have a minimum of 8 to 10 stitches per inch.
5. All reflective trim will be double stitched with two (2) rows of stitching or in a way that meets or exceeds the strength and durability of two (2) rows of stitching.

~~X~~ Comply Exception

TAILORED GRADING OF GARMENT LININGS

Wherever garment linings are specified, including but not limited to thermal linings and moisture barriers, each such lining layer shall be tailor-grades to fit within the overall garment composite of all layers without causing bunching or binding when the garment is worn.

~~X~~ Comply Exception

POINTS OF STRESS

All points of stress shall be reinforced with sturdy bar tacks. Rivets are not acceptable because of their potential for rust and electrical or heat conduction.

16. SEWN ON REFLECTIVE LETTERING

Each jacket shall have three (3) inch 3M Scotchlite lettering with the word **TORRINGTON** arched on yoke. This lettering will be lime for the firefighters and orange for the officers.

There shall be a removable (user's) letter patch attachment. The lettering shall be three (3) inch 3M Scotchlite. This patch will be constructed of the same material as the outer layer. It shall be a four to six (4-6) inch, two (2) layered self-fabric one line letter patch attached to hem of the coat as low as possible. This patch will have the firefighter's last name, (1st initial when specified) in lime. For the officers, it will have officer's rank abbreviated with the officer's last name as well. The officer's lettering will be orange. All letters will be stitched with four (4) rows lockstitch.

Each jacket shall have a Nomex embroidered American flag approximately 2 ½ by 3 ½ installed on the left sleeve near shoulder.

~~X~~ Comply Exception

17. BELLOW POCKETS (Jacket)

Each coat front body panel shall have an eight (8) inch by eight (8) inch, (or 7 inch by 9 inch) by two (2) inch deep bellow pocket double stitched to it and shall be located to provide accessibility. The lower half of the pocket will be reinforced with a layer of Kevlar on the inside and black **Ara-Shield** on the outside (front, bottom, and sides). Two rust resistant metal drain eyelets will be installed in the bottom of each pocket to facilitate drainage of water. The pocket flap shall be constructed of two (2) layers of outer material and shall hang three (3) inches over pocket and will be ½ inch wider than the pocket. There will be three (3) vertical strips of Velcro on the flap with corresponding horizontal on the pocket. Pocket to be constructed of Armor AP. All pockets and flaps shall be reinforced at the top corners with bar tack stitching. A fleece lined hand warmer pocket shall be supplied under the pocket. This pocket will be accessed from the rear of the pocket. It shall be lined with Nomex fleece (front and back) for warmth and comfort.

~~X~~ Comply Exception

18. JACKET CUFF REINFORCEMENTS

The sleeve cuffs shall be reinforced with black leather or (suede). The cuff reinforcement shall be no less than two (2) inches in width and folded in half, approximately one half on the inside and one half

on the outside of the sleeve for greater strength and abrasion resistance. The cuff reinforcement shall be double stitched (lock stitched) to the sleeve and for a total of four (4) rows of stitching.

 Comply Exception

19. WRISTLET AND WATERWELL

Every coat shall feature a minimum 4.5-inch long, double-layer Nomex Spandex inner wristlets (black) with sewn-on thumb tabs that are protected by a flame-resistant and moisture-resistant inner water well. The inner wristlet shall be sewn to the thermal liner sleeve end (not to the outer shell). The specified moisture barrier shall form an inner water well with an elastic gather sewn to the moisture barrier sleeve end. Each jacket shall have Nomex Spandex wristlets with sewn on thumb tabs.

 X Comply Exception

EXTERNAL WRISTLET

Every coat shall feature a 2.5-inch (6.4 cm) long 100% Nomex knit outer wristlet, which shall be mounted to the end of each outer shell sleeve to prevent liquid and debris movement up the sleeve between the outer shell and the moisture barrier/ thermal liner assembly.

 X Comply Exception

20. LINER SHOULDER THERMAL ENHANCEMENT

Extra thermal protection will be provided by sewing strips of thermal liner fibers (dead air panels) in a minimum of four (4) rows thru the shoulder and upper arm (down to the elbow) area to reduce compression and maintain dead air insulation.

 X Comply Exception

21. RADIO POCKET

A radio pocket shall be installed on the left chest with an antenna notch on both sides of the flap. Material shall be Armor AP.

A mic tab shall be installed above the radio pocket. Additional D-Ring shall be placed on closure flap just above radio pocket for thermal imager lanyard. Material shall be Armor AP.

 X Comply Exception

22. FLASHLIGHT HOLDER

A flashlight holder designed to hold a right angle flashlight shall be attached to the right chest approximately six (6) inches down from the collar. Style is to be SL-90 (handheld Streamlight 90 degree flashlight).

 X Comply Exception

23. JACKET CLOSURE

The jacket shall be closed by means of a heavy duty high temp smooth gliding zipper on the jacket front and flame resistant Velcro fastener tape (hook and loop) on the storm flap.

 X Comply Exception

24. JACKET COLLAR

The collar shall be a minimum of three (3) inch in front and four (4) inch in back regulator-friendly collar, with appropriate chin closure strap. Each collar shall be graded to individual coat sizes.

 X Comply Exception

25. HANG-UP LOOP

An 80-pound tear strength hang-up loop shall be provided at the interior collar seam. The loop shall be constructed of triple layers of the specified outer shell material, lock stitched to the coat. Webbing is not acceptable.

X Comply _____ Exception

26. METAL CONTACT PREVENTION

The coat and jacket shall be constructed such that when completely assembled there shall be no direct metal contact from the exterior of the outer shell through the thermal liner to the wearer's body unless the hardware is located on the top of the pants (covered by the jacket) or is completely covered by external closure flaps.

X Comply _____ Exception

27. PANTS

The pants must be able to accept a Class 1 truck belt with sufficient loops included. The loops will be constructed of a double layer of outer shell material and will be of a two (2) piece design (top and bottom). The exterior primary positive locking closure shall be closed by means of a heavy duty high temp smooth gliding zipper with glove snap and Velcro (hook and loop) closure including a sewn on flap for gloved hand.

The pants shall have Post-man style take up straps located on the pants above hip area and slightly above belt area. A seven (7) inch by nine (9) inch pocket, constructed of self-material and lined with moisture barrier material shall be affixed to the inside of the pants thermal liner on the left side by means of a lockstitch with users' name attached to a label on it.

X Comply _____ Exception

28. POCKETS (PANTS)

The pants shall have a one (1) bellow pocket attached to each leg. It shall measure nine (9) inch by nine (9) inch by two (2) inch and be double stitched to the side of the leg straddling the out seam above the knee and positioned to provide accessibility. The inside of the pocket will be reinforced with a layer of Kevlar on the inside and black **Ara-Shield** on the outside bottom-half (front, sides and bottom) of the pocket. Two rust resistant metal drain eyelets will be installed in the bottom of the pocket to facilitate drainage of water. The pocket flap shall be constructed of two (2) layers of outer material and shall hang three (3) inches over pocket and ½ inch wider than the pocket. There will be three (3) vertical strips of Velcro (hook and loop) on the flap with corresponding horizontal on the pocket. Pocket to be constructed of Armor AP. All pockets and flaps shall be reinforced at the top corners with bar tack stitching.

X Comply _____ Exception

29. REVERSE BOOT CUT

The outer shell pant leg cuffs will be constructed such that the back of the leg is approximately 1-1 ½ inches 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.

X Comply _____ Exception

30. PANT CUFF REINFORCEMENT

The pant cuffs shall be reinforced with black leather or (suede). The cuff reinforcement shall be no less than two (2) inches in width and folded in half, approximately one half on the inside and one half on the outside of the cuff for greater strength and abrasion resistance. The cuff reinforcement shall be double stitched (lock stitched) to each pant leg for a total of four (4) rows of stitching.

There shall also be a reinforcement strip of **Ara-Shield** lock stitched to the outer shell on the inside bottom of each leg to prevent premature wear to the inside of the pants at the ankle area. Reinforcements shall measure four and a half (4 ½) inches high by eight (8) inches at the base and four (4) inches at the top.

_____ Comply ☒ Exception

31. KNEE

- a) The knee (heat Channel) shall have an insert throughout all layers that shall provide a natural bend in the leg.
- b) This knee shall include cut outs, shaped pieces, and darts to create free movement with few restrictions.

☒ Comply _____ Exception

32. KNEE THERMAL ENHANCEMENT

An additional layer of thermal liner (dead air strips) and neoprene coated impermeable barrier material will be sewn to the knee area of the liner system for added protection and increased thermal insulation at contact points. 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 line layer only.

☒ Comply _____ Exception

33. KNEE REINFORCEMENTS

The knee shall be reinforced with a layer of black **Ara-Shield** material. The knee reinforcement shall be slightly offset to the outside of the leg to ensure proper coverage when bending, kneeling and crawling.

☒ Comply _____ Exception

34. KNEE PADDING

A padding made of two (2) layers of thermally stable FR closed cell foam shall be inserted in between the knee reinforcement and the thermal layer.

☒ Comply _____ Exception

35. HIGH TEMPERATURE THERMAL INSULATING MATERIALS REQUIREMENT

Because thermally stable materials are essential to maximize protective performance in firefighters' PPE, and because NFPA only states "minimum" performance requirements, all thermal liner or thermal enhancing materials used in the garments shall also meet the following criteria after the 500° F oven test:

- Material shall remain intact and flexible
- No portion of the material shall crack, crumble, or flake

☒ Comply _____ Exception

36. SUSPENDERS

Padded eight-point rpicord or quick adjust suspenders shall be provided. Suspenders will be (X-back design). **Various mounting options may be accepted only after being evaluated by TFD officials for the strength and durability that the Torrington FD requires.**

X Comply _____ Exception

37. REPAIRS AND ALTERATION SUPPORT

The manufacturer shall furnish, free of charge, reasonable quantities of NFPA 1971-certified thread, materials and other supplies to allow the department to manage its own ongoing internal maintenance efforts. Also, the manufacturer shall provide on call at no charge, during normal business hours, a liaison for the repair department to assist the Fire Department on a telephone consultation basis, on all maintenance or repair questions that might arise. Additionally, the manufacturer shall agree to expedite, on its own cost-only basis, all repairs that must be performed at the manufacturer's plant, rather than in department, over the life of the contract.

X Comply _____ Exception

38. MANUFACTURER TRAINING

- a) The manufacturer shall provide training on the proper care, cleaning and inspection for the PPE.
- b) This training shall take place when the gear is delivered and will be given at Torrington Fire Department.
- c) The vendor shall describe in detail the contents of the class and its compliance with NFPA.
- d) The manufacturer shall provide a user information guide for the garments, which complies with user information requirements of NFPA 1971.
- e) Topics shall include, but not necessarily be limited to: pre-use information, preparation for use, overview of NFPA 1971, inspection frequency and details, don/doff, use consistent with NFPA 1500, maintenance and cleaning, and retirement and disposal criteria and considerations.

X Comply _____ Exception

39. GARMENT WARRANTY

The manufacturer must provide a lifetime warranty against defects in materials and workmanship with the bid package. The City of Torrington Fire Department performs routine and advance inspections similar to that prescribed by NFPA. Please describe in detail the process for returning PPE for warranty repair. Please describe any and all costs associated with warranty repairs and returns, as well as turnaround time for warranty repairs.

A detailed statement of warranty shall be provided in writing upon submission of bid to include length and materials covered as well as the location of repair facility and the method for submission of repair work. A warranty statement shall be provided with the completed bid, specific to your bid proposal. NO EXCEPTIONS.

X Comply _____ Exception

**TO AVOID LIABILITY AND INTERFACE PROBLEMS, COATS AND PANTS SHALL
BE PROCURED FROM THE SAME MANUFACTURER**

TECHNICAL BULLETIN NOTIFICATION

The manufacturer shall notify the City of Torrington Fire Department of any technical bulletins, warnings or product recalls associated with the gear ordered for a period of 10 years from the date of gear manufacturing.

☒ **Comply** ☐ **Exception**

PRODUCT COUNTRY OF ORIGIN

For liability reasons, garments must be manufactured in the United States of America or Canada by companies with their assets and incorporation within the United State of America or Canada.

☒ **Comply** ☐ **Exception**

LABELING REQUIREMENTS

Labels shall be permanently and integrally printed onto breathable materials that meet all the requirement for labels of NFPA 1971. Garment labels shall meet all requirements of NFPA 1971 Flame Resistance Test One (for vertical flame resistance of cloth). The garment shall be clearly labeled to fully identify the material content of all three layers: outer shell, moisture barrier and thermal liner. In addition, each separable layer of garment shall be labeled with the FEMSA-style DANGER label in an obvious location.

☒ **Comply** ☐ **Exception**

TRACEABILITY PROGRAM

The manufacturer shall have in place a computer maintained traceability program that provides for the assignment of a production control number to each garment. The traceability program must be capable of tracing the garment through production, from the bolts of cloth used in all three layers of the garment composite construction, to the assignment of the garment to the individual firefighter. This production control number shall be visibly located on the garment label and on other protected areas of garment.

☒ **Comply** ☐ **Exception**

PATENT CONSIDERATIONS

The Bidder, without exception, shall indemnify and save harmless the Purchaser and its employees from liability of any nature and kind, including cost and expenses for or on account of any copyrighted, patented or un-patented invention, process, or article manufactured or used in the performance of the contract, including its use by the Purchaser. If the Bidder uses any design, device, or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the bid prices shall include all royalties or costs arising from the use of such design, device, or materials in any way involved in the work. It is expressly agreed by Seller that these covenants are irrevocable and perpetual.

☒ **Comply** ☐ **Exception**

FLAMMABILITY OF CONSTITUENT MATERIALS

Labels, bindings, hang-up loops and production labels shall be tested for flame resistance and shall comply with the requirements of NFPA 1971 Flame Resistance Test One (for vertical flammability of cloth).

☒ **Comply** ☐ **Exception**

ASSET TRACKING SERVICES

Upon request, the manufacturer shall be capable of providing a Windows-compatible software program for the tracking of care, cleaning and maintenance of the department's PPE.

This tracking program shall meet or exceed all record-keeping requirements of standard NFPA 1851, *Standard on Selection, Care, and Maintenance of Structural Fire Fighting Protective Ensembles*, 2001 Edition.

Labels on each separable part of the garment shall include a standard style interleaved 2 of 5 barcode containing (at a minimum) an individualized serial number for asset tracking purposes.

The manufacturer must be capable of providing onsite or internet training to department personnel who are involved with the daily use of this tracking program, and if there is an additional cost involved for this service, the Bidder must disclose those costs at the time of bid.

☒ Comply ☐ Exception

THIRD PARTY TESTING AND LISTING PROGRAM

All components used in the construction of these garments shall be tested for compliance to NFPA Standard #1971 (2013 revision) by Underwriters Laboratories (UL). Underwriters Laboratories shall certify and list compliance to that standard. Such certification shall be denoted by the Underwriters Laboratories certification label.

☒ Comply ☐ Exception

LABELS

Appropriate warning label(s) shall be permanently affixed to each garment. Additionally, the label(s) shall include the following information:

- Compliance to NFPA Standard #1971 – 2018 edition
- Underwriters Laboratories classified mark
- Manufacturer's name
- Manufacturer's address
- Manufacturer's garment identification number
- Date of manufacture
- Size
- Fiber contents

☒ Comply ☐ Exception

BREATHABILITY REQUIREMENT

Excluding where required by NFPA standard, necessary for functionality, or specifically called out in the custom option sections, all materials used in the construction of the garments shall be breathable and all moisture barrier material must be as specified in the following materials section. The breathability requirement includes but is not limited to: collar, chinstrap, storm shield, fly, waterwells, front coat facings, labels, and reinforcement cushioning where applicable.

Areas where non-breathability is allowed (absent Custom Option specifications): trim, hook and loop fastening, hardware or hardware backing, and external pocketing.

☒ Comply ☐ Exception

CONDUCTIVE AND COMPRESSIVE HEAT RESISTANCE (CCHR)

Using breathable materials as outlined in the section titled Breathable Materials, there shall be a minimum area of 4" x 4" (10.2 cm x 10.2 cm) at the shoulders and elbows that provide a minimum of

25 CCHR at 2 psi, and a minimum 6" x 6" (15.2 cm x 15.2 cm) area at the knees that provide 25 CCHR at 8 psi. All three-compression areas shall be constructed of high temperature fiber based materials and sewn to the thermal liner on the inside of the liner toward the moisture barrier.

☒ **Comply** ☐ **Exception**

APPLICABLE DOCUMENTS

The following standards in their active versions on the date of invitation for bid shall form a part of this specification to the extent specified herein.

<u>STANDARD</u>	<u>TITLE</u>
• ASTM D61934-16 (2020)	Standard Practice for Stitches and Seams
• NFPA 1500, 2021 Edition	Standard on Fire Department Occupational Safety and Health Program
• NFPA 1851, 2020 Edition	Standard on Selection, Care, and Maintenance of Structural Fire Fighting Protective Ensembles
• NFPA 1971, 2018 Edition	Standard on Protective Ensemble for Structural Fire Fighting

☒ **Comply** ☐ **Exception**

APPENDIX A
RFP # PPE-022-091522
FIREFIGHTER PERSONAL PROTECTIVE EQUIPMENT
BID FORM
Schedule of Prices

The undersigned hereby declares that the instructions and specifications have been carefully examined and that PERSONAL PROTECTIVE FIREFIGHTING TURNOUT GEAR will be furnished for the prices set forth in this bid. It is understood and agreed that the instructions, specifications, compliance questions, answers, and additional responses are an integral part of the bid submission from the undersigned (detailed specifications).

It is understood that all bids include charges for on-site measuring for the department's four (4) shifts, products, services, packing, delivery, warranty, etc. unless otherwise stated in the bid document. Time of delivery shall be stated as the number of calendar days following receipt of the order by the vendor to receipt of the goods or services by the City.

The initial contract will be for a one (1) year period. If the awarded vendor's performance at the conclusion of the first year is satisfactory, the City reserves the right with the vendor's concurrence to extend the contract for four additional years at the same terms and conditions of the original contract. It is understood that the Bid prices submitted by the successful bidder should remain firm for the length of the contract from date of award.

The undersigned bidder further agrees and understands that the City of Torrington reserves the right to accept any Bid, to reject any or all Bids, to waive irregularities and/or informalities in any Bid, to make the award in any manner the City believes to be in its best interest, and to reduce or eliminate this purchase agreement with prior notice.

Unit Prices must be firm for the entire terms of the Contract.

Purchase of approximately 10 sets per year.

<u>Description</u>	<u>Description</u>
<u>Quantity – Item</u>	<u>Per Unit Price</u>
1 to 5 Sets	\$ <u>2999 —</u>
5 to 10 Sets	\$ <u>2999 —</u>
11 to 20 Sets	\$ <u>2999 —</u>

The City at its sole discretion, may elect to renew this bid for an additional year(s). Please list the % increase, if any, per year for the items listed above.

670 per year

Delivery time after receipt of PO: 15 WEEK w/o MATERIAL delays
Warranty Explanation: _____

ATTACHED

How did you receive notification of this bid? email

PLEASE PRINT:

CONTRACTOR NAME Brigham Industries Inc

AUTHORIZED REPRESENTATIVE Janice Bagdis

SIGNATURE Janice Bagdis

CONTRACTOR ADDRESS 15 Brigham Rd Paxton MA 01612

E-MAIL jbagdis@brighamindustries.com

PHONE 508 795 7905

DATE 9/10/2022

Federal Tax Identification Number: (FEIN) 51 0328567

This form **must** be completed and returned with your bid

**APPENDIX B
STATEMENT OF REFERENCES**

**RFP # PPE-022-091522
FIREFIGHTER PERSONAL PROTECTIVE EQUIPMENT**

List five references which demonstrate your ability to complete the work included with the scope of the specifications. Attach additional pages if required. The City reserves the right to contact each of the references listed for additional information regarding your company's qualifications.

Reference No. 1

Customer Name/Email: Newington FD mlungu@newingtonct.gov
Contact Individual/: MARY LUNGU Phone No: 860 665 8513
Address: 131 Cedar ST Newington CT 06111
Contract Amount: 200,000 - Year: 2021
Description of product provided: Innotex T06

Reference No. 2

Customer Name/Email: SIMSBURY FD mbrown@simsburyfd.org
Contact Individual: MIKE BROWN Phone No: 860 670 5347
Address: 871 Hopmeadow ST Simsbury CT 06091
Contract Amount: 200,000 - Year: 2020
Description of product provided: Innotex T06

Reference No. 3

Customer Name/Email: WATERBURY FD
Contact Individual: STEVE NOREKA Phone No: 203 996 3467
Address: 236 Grand ST Waterbury CT
Contract Amount: 100,000 Year: 2021
Description of product provided: Innotex T09

Reference No. 4

Customer Name/Email: DANBURY FD Joe.halas@danbury-ct.gov
Contact Individual: JOE HALAS Phone No: 203 796 8007
Address: 19 New ST Danbury CT 06810
Contract Amount: 150,000 Year: 2022
Description of product provided: Innotex T09

Reference No. 5

Customer Name/Email: Woodbury FD jmorgan@woodburyct.gov
Contact Individual: JANET MORGAN Phone No: _____
Address: 25 QUASSOK RD WATERBURY CT 06798
Contract Amount: 50,000 Year: 2022
Description of product provided: Innotex T09

**APPENDIX C
CITY OF TORRINGTON
RFP # PPE-022-091522
FIREFIGHTER PERSONAL PROTECTIVE EQUIPMENT
Acceptance of Terms of this Agreement**

Name of Proposer: Brigham Industries, Inc
Contact Person: Janice Bagdis
Address: 15 Brigham Rd
City/State/Zip: Paxton MA 01612
Telephone: 508 795 7905 Fax: 508 755 1676
E-mail: jbagdis@brighamindustries.com
Authorized Signature Janice Bagdis Title: President
Name Printed: Janice Bagdis Date: 9/10/2022
Federal Tax Identification Number: (FEIN) 51 0328567

It is agreed by the above signed proposer that the signature and submission of this proposal. Represents the proposer's acceptance of all terms, conditions, and requirements of the proposal specifications, and, if awarded, the proposal will represent the agreement between the parties.

The above signed has carefully examined the specifications and all other bidding documents related to the project, acquainted themselves with the site and all other conditions relevant to the work and made all evaluations and investigations necessary to fully understand any difficulties, which may be encounter in performing the work.

The proposer agrees that the cost of any work performed, materials furnished, services provided, or expenses incurred, which are not specifically delineated in the proposal documents, but which are incidental to the scope, intent, and completion of this contract, shall be deemed to have been included in the prices for the various items scheduled.

APPENDIX D
PERCENTAGE SPECIFICATION COMPLIANCE CALCULATIONS - PPE-022-091522

	Total Number "Comply/Exception" Questions		57
	Total Number of Comply Answers	53	
	Total Number of Exception Answers		4
% Specification Compliance: $[(\text{Total Comply Answers}) \div (\text{Total Exception Answers})] \times 100\%$			%
Each "Exception" answer requires a full written explanation. Each "Comply/Exception" question not checked were provided will be considered a "No" answer.			
Explanation or Alternate of a "Exception" Answer to specification(s). <div style="text-align: center; font-family: cursive; font-size: 1.2em;"> ATTACHED EXCEPTION LETTER </div> <div style="text-align: right; font-family: cursive; font-size: 1.2em;"> 93% COMPLIANCE </div>			
Add Additional Attachments if Needed.			

Exceptions letter for Innotex Classic turnout gear

4. Delivery

Innotex turnout gear is usually being delivered from 9 to 15 weeks right now, which is some of the best delivery times in the industry. If there is a material shortage of any of the 3 materials being used this could be longer. The Glide Ice 2 layer that was chosen for a thermal liner is currently on back order for most if not all manufactures and could push back deliver times back. If the TFD would like to substitute this thermal liner at anytime during the production process with Titanium SL2i this will be done at not additional cost to the dept. This thermal liner has a better THL of 281.7 and better wicking ability then Glide Ice 2 layer while still maintaining the same TPP numbers. The TFD has wear tested this thermal liner already without out any issues. Innotex will do its best to try to meet that 45 day deliver time, but there are no guarantees that we can meet this deadline.

10. Thermal Protection Performance

The THL will be more than 265 for every manufacture bidding this based on the materials that are asked for. The THL will be 269.1 based on what TFD is looking for. Ther must have been a typo in the wording of this part of the bid.

18. Jacket Cuff Reinforcement

The cuffs will not be made of Black Leather. There is no way to wash the leather cuffs properly without drying it out and having it crack over time because of extreme heat and the contamination that the gear goes through. I have included a letter from a company that makes cleaning products for turnout gear and they indicate that there is not product on the market to decontaminate leather and then replenish the leathers moisture. There are only oil based products that can de used and they are all flammable. TFD should not use any leather on their gear because of these reasons. We will be putting the rolled Dura-hem onto the cuffs of the gear just like the Innotex Energy had. There will be no 90 degree angles that of the dura-hem that could have led to cracking of the material.

30. Pant Cuff Reinforcement

The cuffs will not be made of Black Leather. There is no way to wash the leather cuffs properly without drying it out and having it crack over time because of extreme heat and the contamination that the gear goes through. I have included a letter from a company that makes cleaning products for turnout gear and they indicate that there is not product on the market to decontaminate leather and then replenish the leathers moisture. There are only oil based products that can be used and they are all flammable. TFD should not use any leather on their gear because of these reasons. We will be putting the rolled Dura-hem onto the cuffs of the gear just like the Innotex Energy had. There will be no 90 degree angles that of the dura-hem that could have led to cracking of the material.

Warranty Statement Innotex Classic turnout gear

The warranties for the materials being used are 5 years for the Armor AP, Glide Ice 2 layer, and Stedair 4000 which are handed down from the companies that make these materials. If there is a call back or warranty issue that arises from one of these fabrics, pictures will be taken of the problem material and sent to Innotex. The gear will be collected by the sales person from Brigham Industries and sent back to Innotex. This gear will then go to the company that makes the fabric to be tested for defects, unless there is a known issue that warranted a recall of the garment. If the gear has a warranty defect then a new garment or layer will be made for the TFD free of charge. The dept. will not need to pay for shipping either.

As for a warranty issue of any workmanship issues done by Innotex when making the garment, this will be sent out to 911 clean and repair to be fixed at no cost to the TFD. Workmanship defects are usually found in the first year of use of the turnout gear. Innotex will be giving TFD a five-year warranty against any workmanship defects like stitching issues. Regular wear and tear of gear and excessive abuse is not covered under this 5 year manufacture warranty. All Innotex warranties will be repaired local at 911 Cleaning and repair in Pennsylvania. The turnaround time is usually around a week or two. 911 is an authorized ISP for Innotex. Any issues after the 5 years will be considered on a case-by-case basis of whether or not it is repaired free of charge to the TFD.



Tél.: 819-826-5971
Fax: 819-826-5195

www.innotexprotection.com

Quote

Quote : QUO-70815-T3Q0L

To

Company	BRIGHAM INDUSTRIES INC
Name of the Quote	Torrington FD Classic Firefighter set bid 2022
Contact	Jody Bagdis
Phone	(508) 795-7905
Phone	(508) 797-7071
Fax	(508) 755-1676

YOUR QUOTATION

USD

COAT - INNOTEX CLASSIC™	QTY	MSRP	SUB TOTAL
NFPA 1971-2018			
32" STYLE	1		
Armor AP™, 80% Nomex®/Kevlar® spun yarns with 20% 400 denier Kevlar® filament 6.5 osy - Black			
Stedair® 4000, 5.5 osy			
Glide Ice™ 2-layer (2.3 osy & 1.5 osy E89™), 7.4 osy			
3M Scotchlite® 3" SEGMENTED (triple trim) - Yellow Grey			
Trim Pattern: Project Fire Style	1		
Patented BR-1™ collar - 3" - INNO5000™ Series - 4 layers	1		
Zipper closure system	1		
Semi bellows pockets (pair) - (8" X 10") - Lined with Kevlar® twill reinforcement	1		
Radio pocket (unit) - Regular	1		
Flap with holes on right and left	1		
POSITION: Radio Pocket: H: 8 x L: 4 x D: 2 (dimensions in inches) - POSITION B - 2 HOLES			
Inside pocket (7.5" x 8") with hook & loop (1" x 3") (unit) - Regular	1		
Hand warmer pocket with Nomex® FR polar fleece lining (pair)	1		
Cuffs on wrists - Polymer coated aramid (BLACK REINFORCEMENT)	1		
Nomex®Spandex handguard with thumbloop - Black	1		
Action Back	1		
Shoulder & arm thermal enhancement	1		

Mic loop / P.A.S.S. loop / 1 UNITS / Left chest	1
Flashlight Holder - Tab with Hook & Loop Fastener / 1 UNITS / Right chest	1
PERSO: Left sleeve (F) - Nomex® Embroidered American flag / Sewn on shell	1
PERSO: Back under neck (H) - Lettering - For all units (TORRINGTON) / Scotchlite® 3" - Lime yellow / Arched (half-moon) / Sewn on shell	1
PERSO: Fixed to hem of coat (M) - Lettering - Different for each unit ([2]-Name - see list) / Average 7 letters / Scotchlite® 3" - Lime yellow / Straight / Sewn on extension remov. patch / 4" X 17"	1
Polymer coated aramid Color: BLACK	
POSITION: Inside pocket: Left side	
SPECIAL NOTES: Riveted D-Ring located on radio pocket flap with Black arashield reinforcement. Black arashield on all sides of the outside on jacket pockets.	
Limited 2-year Warranty	1

PANTS - INNOTEX CLASSIC™	QTY	MSRP	SUB TOTAL
NFPA 1971-2018			
Regular waist	1		
Armor AP™, 80% Nomex®/Kevlar® spun yarns with 20% 400 denier Kevlar® filament 6.5 osy - Black			
Stedair® 4000, 5.5 osy			
Glide Ice™ 2-layer (2.3 osy & 1.5 osy E89™), 7.4 osy			
3M Scotchlite® 3" SEGMENTED (triple trim) - Yellow Grey			
Trim Pattern: Standard NFPA	1		
Zipper closure system	1		
Full bellows pockets (pair) - (10" X 10" X 2") - Lined with Kevlar® twill reinforcement	1		
EMK™ (Enhanced Mobility Knee) in Polymer coated aramid - With 2 layers of closed cell FR blend sponge foam (BLACK REINFORCEMENT)	1		
Pants cuffs - Polymer coated aramid (BLACK REINFORCEMENT)	1		
DELUXE Cotton Suspenders ("X Style")	1		
Inseam guard in polymer coated aramid (BLACK REINFORCEMENT)	1		
BIG BOOT Calf	1		
Polymer coated aramid Color: BLACK			
SPECIAL NOTES: Class 1 belt loops like the Simsbury Spec. with 2 snaps. Black arashield on the outside of the pants pockets.			
Limited 2-year Warranty	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.



Tél.: 819-826-5971
Fax: 819-826-5195

www.innotexprotection.com

Quote

Quote : QUO-70816-F8V9V

To

Company	BRIGHAM INDUSTRIES INC
Name of the Quote	Torrington FD Classic Officer set bid 2022
Contact	Jody Bagdis
Phone	(508) 795-7905
Phone	(508) 797-7071
Fax	(508) 755-1676

YOUR QUOTATION

USD

COAT - INNOTEX CLASSIC™	QTY	MSRP	SUB TOTAL
NFPA 1971-2018			
32" STYLE	1		
Armor AP™, 80% Nomex®/Kevlar® spun yarns with 20% 400 denier Kevlar® filament 6.5 osy - Black			
Stedair® 4000, 5.5 osy			
Glide Ice™ 2-layer (2.3 osy & 1.5 osy E89™), 7.4 osy			
3M Scotchlite® 3" SEGMENTED (triple trim) - Orange Grey			
Trim Pattern: Project Fire Style	1		
Patented BR-1™ collar - 3" - INNO5000™ Series - 4 layers	1		
Zipper closure system	1		
Semi bellows pockets (pair) - (8" X 10") - Lined with Kevlar® twill reinforcement	1		
Radio pocket (unit) - Regular	1		
Flap with holes on right and left	1		
POSITION: Radio Pocket: H: 8 x L: 4 x D: 2 (dimensions in inches) - POSITION B - 2 HOLES			
Inside pocket (7.5" x 8") with hook & loop (1" x 3") (unit) - Regular	1		
Hand warmer pocket with Nomex® FR polar fleece lining (pair)	1		
Cuffs on wrists - Polymer coated aramid (BLACK REINFORCEMENT)	1		
Nomex®Spandex handguard with thumbloop - Black	1		
Action Back	1		
Shoulder & arm thermal enhancement	1		

Mic loop / P.A.S.S. loop / 1 UNITS / Left chest	1
Flashlight Holder - Tab with Hook & Loop Fastener / 1 UNITS / Right chest	1
PERSO: Left sleeve (F) - Nomex® Embroidered American flag / Sewn on shell	1
PERSO: Back under neck (H) - Lettering - For all units (TORRINGTON) / Scotchlite® 3" - Fluo. orange / Arched (half-moon) / Sewn on shell	1
PERSO: Fixed to hem of coat (M) - Lettering - Different for each unit ([2]-Name - see list) / Average 7 letters / Scotchlite® 3" - Fluo. orange / Straight / Sewn on extension remov. patch / 4" X 17"	1
Polymer coated aramid Color: BLACK	
POSITION: Inside pocket: Left side	
SPECIAL NOTES: Riveted D-Ring located on radio pocket flap with Black arashield reinforcement. Black arashield on all sides of the outside on jacket pockets.	
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PANTS - INNOTEX CLASSIC™	QTY	MSRP	SUB TOTAL
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Inseam guard in polymer coated aramid (BLACK REINFORCEMENT)	1		
BIG BOOT Calf	1		
Polymer coated aramid Color: BLACK			
SPECIAL NOTES: Class 1 belt loops like the Simsbury Spec. with 2 snaps. Black arashield on the outside of the pants pockets.			
Limited 2-year Warranty	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.

CLASSIC. NEVER BASIC.



INNO TEX
CLASSIC™

FIELD-PROVEN CUSTOM TURNOUT GEAR

 **INNO
TEX**

INNOTEX CLASSIC CUSTOM TURNOUT GEAR DEFINES HIGH QUALITY WITHOUT COMPROMISE.

PACKED WITH FIELD-PROVEN INNOTEX® FEATURES,
CUT FOR COMFORT AND MADE WITH EXACTING
ATTENTION TO DETAIL, INNOTEX® CLASSIC TURNOUTS
ARE ANYTHING BUT BASIC.

CLASSIC COAT

Available in 32" or 35" length.

- 1 BR-1™ COLLAR**
Unique, patented* 4-layer design for more comfort
Available in 3" and 4" collar heights
Increased neck protection
* US Patent 6 481 018
- 2 PREFORMED SLEEVES AND UNDERARM GUSSETS**
Increase mobility
Minimize arm restriction and coat rise
- 3 ZIPPER WITH HOOK & LOOP CLOSURE**
Available with brass or Vislon® zipper
Eliminates gaps in protection
Faster donning and doffing
- OR**
- 4 DUAL STORM FLAP SYSTEM**
Traditional closure with hook & D-ring and hook & loop fastener
- 5 RETRACTABLE ACTION-BACK**
Provides additional reach
Retracts when not in use
- 6 WRISTLET**
Black Nomex® wristlet with thumb hole
- 7 SNAP-IN COAT LINER**
Minimum of 19 snaps holding liner assembly to outer shell:
 - 5 evenly-spaced snaps around outer edge of collar preventing gaps
 - 5 evenly-spaced snaps along left and right body panels
 - 2 snaps per sleeve with color-coded tabs ensure optimal positioning
- 8 POLYMER-COATED ARAMID CUFF REINFORCEMENTS**
- 9 INVERTED L- SHAPED STORM FLAP**
With integrated throat closure
Faster donning
Eliminates gaps around throat

CLASSIC PANT

Roomy, regular-waist pant.

- A PANT CLOSURE**
Available with brass or Vislon® zipper
2 waist-adjustment straps with thermoplastic buckles
Optional: hook & D-ring front fly closure with
hook & loop closure on front flap
Double-fly protection: 5 layers
- B EMK™ | Enhanced Mobility Knee™**
Preformed
Reduces fatigue and minimizes climbing effort
Increases range of motion
Minimizes displacement of knee protection
Optimized padding
- C SNAP-IN PANT LINER ATTACHMENT**
Minimum 15 snaps holding liner assembly
to outer shell
 - 11 evenly-spaced snaps around waist preventing gaps
 - 2 snaps per leg ensure optimal positioning
- D KNEE PROTECTION**
Polymer-coated, Aramid-reinforced
Extra layer 14 oz Nomex® felt padding



1

9

5

3

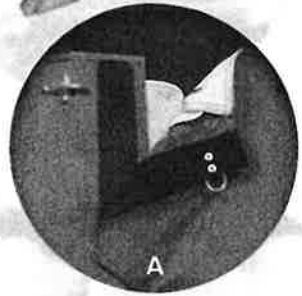
4

2

8

C

6



A

D

B



UL CERTIFIED TO NFPA 1971 REQUIREMENTS



BE STRONG. BE SAFE.™



Brigham
INDUSTRIES, INC

Technology That Saves Lives

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Ohatchee, AL 36271
USA

INNOTEX[®] CANADA

275 Gouin Street
Richmond (Quebec)
Canada, J0B 2H0

INNOTEX[®] CUSTOMER SERVICE

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