



PRINTED NAME OF BIDDER

FIREFIGHTER TURNOUT GEAR

Invitation to Bid No. 119930 Issued: May 14, 2012

PURCHASING BUREAU CONTACT: Donna M. Corona, Purchaser, 585-428-7532

Sealed bids are to be returned to the Office of the Purchasing Agent, City Hall Room 105A, Rochester, NY 14614, prior to bid opening, at which time and place all bids will be opened, read and recorded:

BID OPENING: Wednesday, May 30, 2012, at 11:00 a.m.

The bidder's attention is directed to the General Conditions and Instructions to Bidders which appear immediately following this title page and are incorporated into the bidding document and contract by reference.

CONTRACT CHARACTERISTICS

(For definitions or explanations, see General Conditions)

Type of Contract: **FIXED PRICE, TERM CONTRACT WITH OPTION TO EXTEND**

Bid Deposit Requirement: **NONE**

Performance Security Requirement: **NONE**

Insurance Requirement: **NONE**

Samples Requirement: **WITHIN TEN DAYS OF REQUEST**

Descriptive Literature/Technical Data Requirement: **YES**

BIDDERS: Please note that prices, company identification and authorized signature are to be entered on the Proposal which appears at the end of the specifications.



FIREFIGHTER TURNOUT GEAR

1. SCOPE AND CLASSIFICATION

- 1.1 It is the intent of the City of Rochester to establish a contract for Turnout Gear for use by the Rochester Fire Department.
- 1.2 This protective clothing is to be used in conventional structural fire fighting only to protect the main body, excluding hands and feet against temperature extremes, steam, hot water, hot particles and other hazards encountered during fires and related emergencies. This protective clothing is not proximity or entry gear, and is not designed to be kept in direct contact with flames.

2. MANUFACTURERS

- 2.1 The manufacturers cited in this specification are used to establish the minimum acceptable standards for items the City of Rochester intends to purchase. Styling, design/construction, workmanship and color selection availability are essential to this contract. In those cases where a manufacturer or brand name is cited, it is intended only to establish the minimum level of quality, design or composition for items which will be acceptable by the City of Rochester. Comparable items of other manufacturers which meet or exceed these specifications will be considered as alternates.
 - 2.1.1 The Rochester Fire Department wear-tested several styles of Turnout Gear prior to the advertising of this bid. It has been determined that the Morning Pride® Tails™ Coat and Pant System – Classic Design will be the acceptable standard by which all other products will be measured.
- 2.2 Approved products named in the specification are pre-qualified, but not intended to exclude from consideration an equivalent product of a financially sound, established manufacturer which meets or exceeds all specified requirements and contract conditions. Proposed substitutions must be equivalent in construction and appearance and meet approval of the Rochester Fire Department.
- 2.3 Bids based on manufacturers other than specified in the Proposal, must be clearly identified as such, and bidders must include detailed fabric and feature/construction specifications for each article with their bid. A list of users must also be included with the bid to be considered.
- 2.4 In the event that an apparent low bidder proposes an alternate, the burden of proof to demonstrate equivalency will rest entirely with the bidder. The bidder will be required to demonstrate equivalency by providing samples and technical specifications.
- 2.5 The Purchasing Agent hereby reserves the right to approve as an equal, or to reject as not being equal, any article the bidder proposes to furnish which contain major or minor variations from specification requirements but may comply substantially therewith.

3. SPECIFICATIONS

See Appendix "A".

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4. SAMPLES

- 4.1 Bidders are required to submit one (1) sample Hood with their bid for review. Failure to submit this sample may result in rejection of the bid.
- 4.2 Other samples may be required. An exact production sample of the garment bid must be submitted within ten (10) days after written notification at no cost to the City.
- 4.3 Failure to submit samples or technical information as required will be cause for rejection of bid.
- 4.4 Acceptable equivalents will be determined by the Purchasing Agent, whose decision will be final.
- 4.5 Samples will be available for pickup after evaluations are complete. The vendor must make all arrangements for the return of their samples within ten (10) days after written notification or they will become property of the City of Rochester.
- 4.6 Samples of the low bidder will be retained by the Rochester Fire Department for the life of the contract.

5. QUANTITIES

- 5.1 The quantities shown on the Proposal pages are estimates and are based on anticipated purchases during the first contract term.
- 5.2 The City anticipates placing a large initial order upon award of this contract to provide this new turnout gear to firefighters. Smaller quantities may be ordered during the rest of the contract term on an as-needed basis.
- 5.3 The City will make no guarantees regarding the quantities which will actually be ordered.
 - 5.3.1 Quantities may be substantially more or less than shown on the Proposal.
 - 5.3.2 The contract will be for the actual quantities ordered during the contract term.
 - 5.3.3 The contractor must guarantee the price quoted regardless of actual quantity ordered.

6. METHOD OF AWARD

- 6.1 This contract will be awarded to the lowest responsive and responsible bidder who meets or exceeds the specification based on Total Bid Price.
- 6.2 All costs associated with the purchase of these items must be included in the bid. No additional charges may be added once a contract is awarded and a purchase order has been issued.

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- 6.3 Bidders must include in their bid price all reasonable and necessary transportation, shipping, handling and delivery charges.
- 6.4 The City of Rochester does not pay fuel surcharges.

7. TERM OF CONTRACT

- 7.1 The term of this contract will commence on day of contract award and end May 31, 2013.
- 7.2 The City may extend this contract under the same terms and conditions for up to two (2) additional one-year periods upon agreement of the City and the contractor.

8. REJECTION OF BIDS

- 8.1 The City of Rochester reserves the right to reject any and all bids or proposals if the best interest of the City will be served by such action.
- 8.2 The Purchasing Agent reserves the right to reject any bid that is unrealistic or where a disproportionate unit cost is proposed.
- 8.3 The Purchasing Agent reserves the right to reject any bidder who proposes an unacceptable product or cannot prove to the satisfaction of the City its ability to execute the terms and conditions of this contract.

9. DELIVERY

- 9.1 Delivery shall be F.O.B. Destination within thirty (30) calendar days after receipt of order.
 - 9.1.1 The time required for the contractor to determine sizes of the personnel to be fitted shall be included in the thirty day delivery requirement.
 - 9.1.2 If this initial time frame is unacceptable, the bidder must enter on the Proposal Page the time in which guaranteed delivery will be made.
 - 9.1.3 One (1) complete set, per included specifications, to be sent for approval before delivery of initial order with fifteen (15) days of awarded bid.
- 9.2 The City reserves the right to reject any bids in which it considers the guaranteed delivery time to be unreasonable.

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10. FAILURE TO DELIVER

- 10.1 If the contractor is unable to supply the requested goods within the designated time frame, due to factory delay, strike or any other unforeseen circumstance, he must notify in writing, the Purchasing Agent or his/her authorized agent as well as the Fire Department liaison of the delay and the anticipated delivery date.
 - 10.1.1 Failure to comply with this requirement will result in a poor performance rating, and may be cause for termination of the contract.
 - 10.1.2 In the event the contractor fails to deliver on time, the City may give the contractor a ten (10) day period in which to correct such deficiencies. Failure of the contractor to correct delivery problems will result in termination of the contract.
- 10.2 At the City's option, upon the contractor's failure to furnish items under contract within the time periods stipulated herein, the City may purchase such items on the open market.
- 10.3 Any excess costs incurred as a result of such action shall be deducted from monies due to the defaulting contractor. In such cases, the defaulting contractor shall be liable for any excess procurement costs incurred by the City for the duration of the one (1) year contract period.

11. GUARANTEE

- 11.1 The coats, pants and hoods furnished under this contract shall be guaranteed to be free from defects in material and workmanship. Any garment found to be defective must be promptly repaired, to the NFPA Standard 1971 - current edition or be replaced without additional cost to the City.
- 11.2 The contractor shall, at no cost to the City, repair garments purchased under this contract for a period of one (1) year from date of delivery. Any garment damaged while being used as intended shall be returned to serviceable condition within thirty (30) days of the City's notice to contractor.
- 11.3 The City anticipates two (2) RFD members to become NFPA 1851 certified to repair and maintain the manufacturer's turnout gear. If there is an additional cost for this service, it must be noted in the Proposal Page. otherwise the City will base its award on the premise that the contractor will provide this service at no additional cost.
- 11.4 The City reserves the right to determine whether to have repairs done by the certified RFD members or have the contractor provide the service as referenced in Section 11.2.

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12. MEASURING/FITTING

- 12.1 As required by the Rochester Fire Department, the successful bidder shall provide on-site fitting of all Fire personnel utilizing this contract.
 - 12.1.1 The contractor must be able to fit and furnish said items to both male and female personnel.
 - 12.1.2 The City of Rochester requires the contractor to provide a trained turnout gear measurement specialist to fulfill this requirement.
 - 12.1.3 All measurements and/or fittings shall be taken by the vendor within one (1) week of request at the requesting department's facility or other agreed upon location.
 - 12.1.4 Authorized City personnel shall coordinate the time and location(s) of the fittings with the successful vendor.

13. ASSET TRACKING SERVICES

- 13.1 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.
- 13.2 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.
- 13.3 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.
- 13.4 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. The manufacturer must be capable of guaranteeing the tracking program remains operational for the life of the manufacturer's specific gear. In addition provider shall grant to the customer a perpetual, non-exclusive license with unlimited end users and ability to run on any of the customer's servers
- 13.5 The contractor must be willing to have a service representative meet at least once a month with Department representative(s) to review and resolve any issues or problems with the contract. This service representative must also be accessible during routine business hours (8:00 a.m. – 5:00 p.m. EST) to assist as needed.
- 13.6 The contractor must supply the Department with these measurements upon request.
- 13.7 If there is an additional cost for this service, it must be noted in the Proposal Pages, otherwise the City will base its award on the premise that the contractor will provide this service at no additional cost per year.

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14. REQUEST FOR PRICE CHANGE

- 14.1 Prices bid for the specified items shall remain firm for the life of the contract.
- 14.2 Requests for price increases to take effect during a contract extension must be submitted with the offer to extend or earlier. A price increase may be considered under the following conditions:
 - 14.2.1 Written notification from the Manufacturer to the Vendor stating there will be a price increase and the dollar amount.
 - 14.2.2 Written notification from the Vendor to the City of Rochester Purchasing Agent requesting a price increase and accompanied by the Manufacturer's letter.
 - 14.2.3 The City can reject any price increase, choose not to extend and advertise for a new contract.
- 14.3 The decision to grant a price increase during the extension period will rest solely with the Purchasing Agent.

15. NON SPECIFIED ITEMS

- 15.1 The City reserves the right to negotiate prices for items that are comparable to but not included on the Proposal Pages. This option may be exercised for incidental items required during the contract term.
- 15.2 The contract vendor must submit a written price quote to the Office of the Purchasing Agent for proper authorization and/or approval.
- 15.3 Items supplied or services rendered without prior approval of the Purchasing Agent or his/her designee will not be paid for by the City.

16. POLITICAL SUBDIVISIONS

Bidders should note that other political subdivisions, with which the City has entered into municipal cooperation agreements, may participate in the contract resulting from this bid award. Use of this contract by any other political subdivision must be coordinated between that subdivision and the contractor. The City will have no responsibility for any such purchases and will have no other role than to notify the other political subdivisions that this contract is available to them for purchases.

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17. NON-COLLUSIVE BIDDING CERTIFICATION

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party certifies as to its own organization, under penalty of perjury, that to the best of knowledge and belief:

- 17.1 The prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;
- 17.2 Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed prior to the opening, directly or indirectly, to any other bidder or to any competitor;
- 17.3 No attempt has been or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

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PROPOSAL

The undersigned bidder hereby agrees to furnish the goods or services specified, and to otherwise fully meet all terms, conditions, and specifications contained in this Invitation to Bid without exception unless exceptions are clearly noted in this proposal. SIGNATURE MUST BE THAT OF THE BIDDER OR OF AN EMPLOYEE OR AGENT AUTHORIZED TO SIGN ON BEHALF OF THE BIDDER.

<u>ITEM</u>	<u>UNIT PRICE</u>	<u>EST. QTY.</u>	<u>TOTAL</u>
1. <u>TURNOUT COATS, 32"</u>			
Standard Firefighters Charcoal/Khaki	\$ _____ each x	400 =	\$ _____
Chief Officers - Natural/White	\$ _____ each x	60 =	\$ _____
Officers Patch	\$ _____ each x	60 =	\$ _____

Manufacturer & Model No.

Commodity Code: 3403425

2. **BUNKER PANTS** \$ _____ each x 400 = \$ _____

Manufacturer & Model No.

Commodity Code: 3403425

H-style Suspender (per set) \$ _____

Commodity Code: 3403480

Authorized Signature

Typed Name and Title of Authorized Signer

Typed Name of Company

(Continued through Page 10.)

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PROPOSAL

<u>ITEM</u>	<u>UNIT PRICE</u>	<u>EST. QTY.</u>	<u>TOTAL</u>
3. HOODS	\$_____ each x	500 =	\$_____

Manufacturer & Model No.

Commodity Code: 3403450

4. Provide NFPA 1851 Certification for (2) RFD members to repair and maintain manufacturer's turnout gear. In addition, to provide daily per diem, excluding travel costs. \$_____ each x 2 = \$_____
5. Asset Tracking Services \$_____ year x 1 = \$_____

TOTAL BID PRICE: \$_____

Guaranteed Delivery: _____ days after receipt of order (ARO)

Authorized Signature Typed Name and Title of Authorized Signer

Typed Name of Company

(Continued through Page10.)

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PROPOSAL

PRINT OR TYPE THE FOLLOWING INFORMATION:

Name of Firm or Corporation

Street Address

City State Zip Code

Telephone & Fax Nos. Federal Employer ID No.

E-mail Address of Company Employee authorized to receive Contract Award/ & Extensions

Date: _____

ACCEPTED BEHALF OF THE CITY OF ROCHESTER FOR:

FIREFIGHTER TURNOUT GEAR)

Munis Contract No. _____ Contract Term: June 1, 2012 – May 31, 2013
(City Bid No. 119930)

Purchasing Agent

Date: _____

FIREFIGHTER TURNOUT GEAR

APPENDIX “A”

ROCHESTER FIRE DEPARTMENT FIREFIGHTER TURNOUT GEAR SPECIFICATIONS

Detailed Technical Specifications

for

Protective Clothing for Structural Firefighting

- Coat and Pant
- Hood
- Limb and Torso Protection

Rochester Fire Dept
185 North Chestnut St.
Rochester, NY 14604

LEGAL RIGHT TO SPECIFY

The Fire Department (for the remainder of this section referred to as the “specifier”) chooses to exercise its Legal Right to Specify as determined by the U.S. Supreme Court’s affirmation of the decision handed down in the case of Whitten Corp. vs. Paddock, by the U.S. District Court of Massachusetts, the First Federal District Court, which in effect states:

- 1) That as trained professionals, specifiers make informed judgments on products that they feel best serve their needs. Also, that proprietary specifications (if chosen) DO NOT violate any antitrust laws. Technically, very few brands of material or equipment are exactly alike, and if the specifier wants to limit the specification to one source, he has the right to do so and enforce it.
- 2) Only the specifier has the responsibility and judgment for determining whether a proposed substitution is an “or equal”.
- 3) That from start to finish in the purchasing process, only the specifier can ultimately decide if another desirable product is available in lieu of the specification.
- 4) Finally, that the courts concluded “the burden is on the supplier or manufacturer, who has NOT been specified, to convince the specifier that their product is equal for the purpose of a particular project”.

The specifier has determined that this product specification shall represent the product to which all offerings shall be compared. Due to the fact that firefighting is an ULTRAHAZARDOUS, UNAVOIDABLY DANGEROUS activity, only trained Fire Department personnel with specific knowledge in the area of Personal Protective Equipment shall be allowed to make the final determining decision on the selection of the appropriate product to serve the Fire Department’s needs.

5.0 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 States of America or Canada.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

6.0 LABELING REQUIREMENTS

Labels shall be permanently and integrally printed onto breathable materials that meet all the requirements 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.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

7.0 CARE INSTRUCTIONS

The manufacturer shall provide a user information guide for the garments, which complies with user information requirements of NFPA 1971. Topics shall include, but not necessarily be limited to: pre-use information, preparation for use, inspection frequency and details, don/doff, use consistent with NFPA 1500, maintenance and cleaning, and retirement and disposal criteria and considerations.

This document shall be packaged with each garment along with a specification summary sheet describing garment custom options, sizing and production details. This written information shall be in complete compliance with NFPA 1971 requirements, and shall reference same.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

8.0 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.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

9.0 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.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

10.0 SIZING

To ensure a perfect fit, sizing shall be based on actual measurements taken of the firefighter by a trained Turnout Gear measurement specialist. Sizing measurements shall be taken according to a schedule and location(s) mutually agreed between the manufacturer and the department.

Garments shall be available in custom sizing as follows: coat chest in 2-inch (5.1 cm) increments, coat sleeve in 0.5-inch (1.3 cm) increments, coat back length in 1-inch (2.5 cm) increments, pant waist in 2-inch (5.1 cm) increments and pant inseam in 1-inch (2.5 cm) increments. A full range of women’s sizing, on women’s patterns, must also be available. 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. Neither Small-Medium-Large-Extra Large sizing nor women’s garments cut to men’s patterning are considered acceptable, since proper fit facilitates mobility and minimizes stress.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

11.0 FLAMMABILITY OF CONSITUENT 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).

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

12.0 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.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

13.0 THREAD

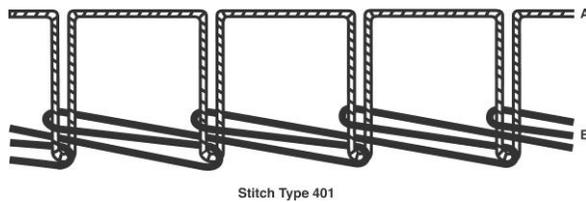
All thread used in structural seams shall be Nomex® of minimum Tex size T-90. Light colored garments and trim areas shall feature yellow thread. Black and dark garments shall feature black thread. Tan or bronze colored garments shall feature tan thread.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

14.0 STITCH METHODS

14.1 MAJOR A & B SEAMS

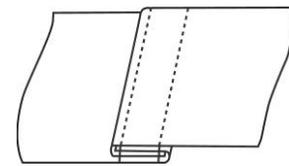
Except for the collar Major A seam, which is single-needle lock stitched three times, all Major A & B seams (as defined by NFPA 1971) shall be double stitched, double feld throughout all three layers (outer shell, moisture barrier and thermal liner), and shall be made with Nomex® thread, Tex size T-90. Detailed stitch and seam type requirements are shown below.



Stitch Type 401

Stitch Type 401

Double lockstitch, as defined by ASTM D 6193-97



Seam Type LSc-2 (Modified)

Modified Seam Type LSc-2

Double feld seam, modified only to ensure that both stitch lines penetrate all layers of cloth at joining, otherwise as defined by ASTM D 6193-97

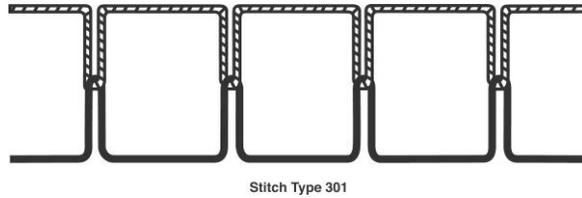
Also, all moisture barrier seams shall be tape-sealed to meet all requirements of the NFPA 1971 Liquid Penetration Resistance Test.

Does Your Bid Comply With All Aspects Of This Section?

For Outer Shell:	Yes _____	No _____
For Thermal Lining:	Yes _____	No _____
For Moisture Barrier:	Yes _____	No _____

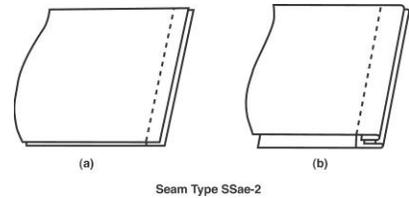
14.2 MINOR SEAMS

Most Minor seams, such as storm shields and mated hems, shall also be stitched with the Nomex® thread, Tex size T-90. Detailed stitch and seam type requirements are shown below.



Stitch Type 301

Lockstitch as defined by ASTM D 6193-97



Seam Type SSae-2

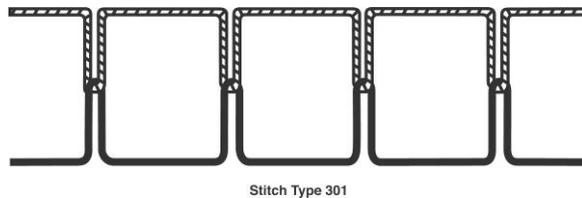
As defined by ASTM D 6193-97, shown (a) before and (b) after required turning

Does Your Bid Comply With All Aspects Of This Section?

Yes _____ No _____

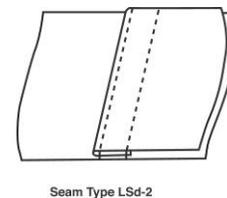
14.3 POCKETS

Flat garment pockets shall be stitched with the Nomex® thread, Tex size T-90. Detailed stitch and seam type requirements are shown below.



Stitch Type 301

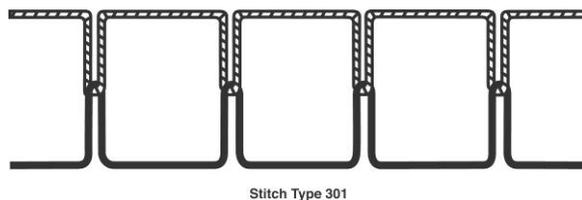
Lockstitch as defined by ASTM D 6193-97



Seam Type LSd-2

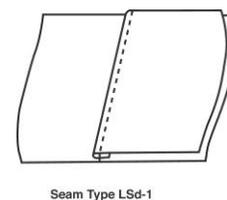
As defined by ASTM D 6193-97

3-Dimensional pocketing shall feature these same construction details, but the reinforced single stitch Seam Type LSd-1 may be substituted for LSd-2. Detailed seam type requirements are shown below.



Stitch Type 301

Lockstitch as defined by ASTM D 6193-97



Seam Type LSd-1

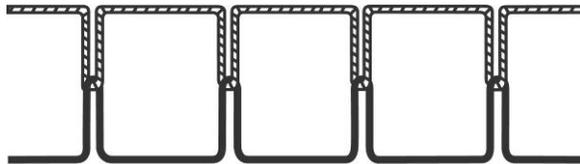
As defined by ASTM D 6193-97

Does Your Bid Comply With All Aspects Of This Section?

Yes _____ No _____

14.4 TRIM AND DANGER LABELS

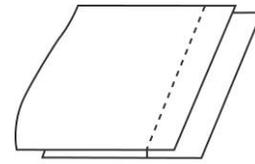
Trim and DANGER labels shall be stitched with the Nomex® thread, Tex size T-90. Detailed stitch and seam type requirements are shown below.



Stitch Type 301

Stitch Type 301

Lockstitch as defined by ASTM D 6193-97



Seam Type SSbd-1

Seam Type SSbd-1

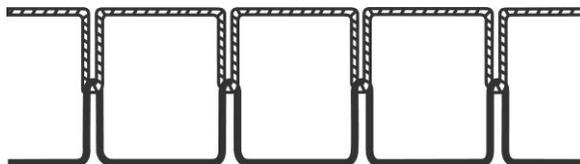
As defined by ASTM D 6193-97

Does Your Bid Comply With All Aspects Of This Section?

Yes _____ No _____

14.5 SINGLE LAYER HEMMING AND FINISHING

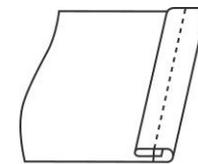
Single layer hemming and finishing shall be stitched with the Nomex® thread, Tex size T-90. Detailed stitch and seam type requirements are shown below.



Stitch Type 301

Stitch Type 301

Lockstitch as defined by ASTM D 6193-97



Stitch Type EFb-1

Seam Type EFb-1

As defined by ASTM D 6193-97

Does Your Bid Comply With All Aspects Of This Section?

Yes _____ No _____

15.0 POCKETS

If exterior pockets are specified in either the COAT CUSTOM OPTIONS TO BE PROVIDED section or in the PANT CUSTOM OPTIONS TO BE PROVIDED section, the following requirements shall apply to all such custom option specified exterior pockets:

All pockets and flaps shall be reinforced at the top corners with bar tack stitching.

All pockets shall be reinforced with an extra layer of NFPA-certified outer shell, moisture barrier, or other NFPA-certified reinforcement material for extra durability. The exact location of the reinforcements shall be identified in the custom options section(s).

All pockets shall have a means to drain water and shall have a means of closure.

All pocket closures shall be made either with hook and loop fastener tape a minimum of 1.5 inches (3.8 cm) wide, with a flap, or with snaps. The specific placement of the closure system shall be declared at the time of order.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

16.0 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-graded to fit within the overall garment composite of all layers without causing bunching or binding when the garment is worn.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

17.0 POINTS OF STRESS

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

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

18.0 HIGH TEMPERATURE, NFPA 1971-CERTIFIED MATERIAL REINFORCEMENTS

Reinforcements shall be provided at cuffs and pockets and shall meet the requirements of NFPA 1971. For cuff reinforcements only: Manufacturer shall provide cuff reinforcements made of outer shell material at no additional cost. If the purchaser specifies reinforcements made of materials other than outer shell material, the manufacturer shall identify the additional cost for the specified material.

For pocket reinforcements only: Any NFPA 1971-certified material may be used in the reinforcement of the pocket. If the purchaser requests specific NFPA 1971-certified materials for pocket reinforcements, the manufacturer shall identify the additional cost for the specified material.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

19.0 REPAIRS AND ALTERATION SUPPORT

The manufacturer shall furnish, free of charge, reasonable quantities of materials identical to these specifications 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.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

20.0 HIGH TEMPERATURES THERMAL INSULATING MATERIALS REQUIREMENT

Because thermally stable materials are essential to maximizing 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 degree F oven test:

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

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

21.0 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, or must be Crosstech.

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.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

TURNOUT COAT

To avoid liability and interface problems, coats and pants shall be procured from the same manufacturer.

25.0 DESIGN CONCEPT (STYLING)

The coat shall be approximately 6 inches (15.2 cm) longer at the rear hem than at the front and provide continuous and unbroken moisture barrier and thermal liner protection from the collar seam to the hem at the bottom of the coat tail. Each coat length shall be determined by each individual's torso length and the coat-to-pant interface as defined by NFPA 1500. Coat design must interface properly with standard waist high bunker pants.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

26.0 PATTERNING CONCEPT

Garments shall feature a tailored three-piece body, one-piece back construction throughout the outer shell, moisture barrier and thermal liner layers. 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.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

30.0 COAT CERTIFICATION LABEL ON LINER

The coat certification label on the liner shall be integrally printed on FR Cotton Indura® and lockstitched to the inside right body panel in a fashion to provide an inside liner pocket.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

31.0 COAT CERTIFICATION LABEL ON SHELL

The coat certification label on the shell shall be integrally printed on FR Cotton Indura® and lockstitched to the shell along one side of the label at the back of coat.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

32.0 COLLAR

The collar shall be of layered construction, consisting of a layer of waterproof moisture barrier and a layer of NFPA 1971-certified insulating material, sandwiched between two (2) layers of specified outer shell material. NFPA compliant collars shall be at least 3 inches (7.6 cm) high while CGSB compliant collars shall be at least 4 inches (10.2 cm) high. The design shall incorporate in its patterning a natural contour that will allow proper fit and performance in the standing (upright) or stowed position.

There shall be no vertical or horizontal seams or stitching in the body of the collar. Left outside of collar shall have a sewn piece of 2-inch x 2-inch (5.0-cm x 5.0-cm) hook and loop fastener hook tape for chinstrap-to-collar closure. Each collar shall be graded to individual coat sizes.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

33.0 CHIN STRAP

The chinstrap shall be of layered construction identical to that of the collar configuration described in the previous paragraphs. Chinstrap shall be of a crescent shaped design with minimum dimensions of, + or - 0.50 inch (1.2 cm): 9 inches (22.5 cm) long across the top corners, 10.5 inches (26 cm) long across the bottom corners, and 3.5 inches (8.75 cm) in vertical height, measured at the center. The leading underside edge of the chinstrap shall have a 1.5-inch-wide (3.8 cm-wide) horizontal strip of hook and loop fastener pile to ensure closure and to ensure passage of the Whole Garment Liquid Penetration Test.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

34.0 HANG-UP LOOP

An 80-pound (36.3 kg) 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, lockstitched to the coat. Webbing is not acceptable.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

35.0 SLEEVES

To prevent stovepiping, sleeves shall be individually graded by coat size and sleeve length. For maximum freedom, sleeve design shall feature extra full cut one-piece outer shell set-in sleeves with built-in bellows. To reduce the chances of possible top seam failure in that high thermal exposure area, the sleeve Major A seam shall follow the underside of the arm and shall not cross over the outside of the elbow joint. Sleeve seam and sleeve attachment to coat body in all layers shall be 100% double fold and double stitched for maximum strength (that is, Major A seam requirement, as previously defined in this specification).

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

36.0 INNER WRISTLET & WATERWELL

Every coat shall feature 4.5-inch (11.4-cm) long, double-layer 100% Nomex knit inner wristlets protected by a flame-resistant and moisture-resistant waterwell. The inner wristlet shall be sewn to the thermal liner sleeve end (not to the outer shell). A specified moisture barrier waterwell with an elastic gather shall be sewn to the moisture barrier sleeve end with all seams sealed to allow maximum channeling of water away from inside the moisture barrier/ thermal liner sleeve end. This waterwell must pass the NFPA 1971 Whole Garment Liquid Penetration Test. The thermal liner/wristlet shall be bar tacked and seam sealed at the junction of the moisture barrier sleeve to waterwell seam to prevent liner pullout. This inner waterwell assembly shall be interface capable with the appropriate glove to provide wrist protection during the NFPA 1971 Whole Garment Liquid Penetration Test.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

37.0 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.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

38.0 FRONT CLOSURE PROTECTIVE OVERLAP

Two-inch-wide (5.1 cm-wide) panels of breathable moisture/ pathogen barrier and specified thermal liner materials shall be provided at coat front closure facings to preclude any type of break in the protective envelope. The entire circumference of a closed coat shall consist of specified shell, moisture barrier and thermal liner materials.

The inside trailing edge of each 2-inch-wide (5.1-cm-wide) inner panel shall have the breathable moisture/ pathogen material wrapped around the edge by 0.5 inch (1.3 cm) to create an anti-wick guard to prevent soakthrough during the required NFPA 1971 Whole Garment Liquid Penetration Test. An additional layer of 6-inch-wide (15.2-cm-wide) breathable moisture/ pathogen barrier material shall be sewn between the 2-inch-wide (5.1 cm-wide) panels and outer shell coat body for the entire length of coat front in a fashion to prevent liquid entry during the NFPA 1971 Whole Garment Liquid Penetration Test.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

39.0 COMPOSITE MATERIALS FOR STANDARD COAT

The specifier has determined the ONLY acceptable combination of materials. Any substitution of materials shall be grounds for immediate disqualification of bid without further consideration. The combination of materials must meet a TPP of 40.00 and a THL of 277.00

39.1 OUTER SHELL

Kevlar/Nomex/PBO blend; 60% Kevlar, 20% Nomex, 20% PBO 7.5 oz;

39.2 THERMAL LINING

7.4 oz. calendared 100% spun 3.6 oz. Meta Aramid facecloth; 1 layer of 2.3 oz. E-89, and one layer 1.5 oz. E-89

39.3 MOISTURE BARRIER

Crosstech Type 2F

THL Minimum of 277 and TPP Minimum of 40

Does Your Bid Comply With All Aspects Of This Section?

For Outer Shell:	Yes _____	No _____
For Thermal Lining:	Yes _____	No _____
For Moisture Barrier:	Yes _____	No _____

40.0 COAT CUSTOM OPTIONS TO BE PROVIDED

Instructions in this custom options section that contradict earlier specifications or statements supersede those earlier specifications or statements as long as the required certifications are not compromised.

- LTO Chinstrap
- Inspection Port Liner
- Liner Detachable

- Liner Label Pocket
- Take Up Straps 2 Postman
- Iron On Label
 - Firefighter's Full First Name & Full Last Name
- Articulating Rapid Rescue Strap with New Coat
- New York - 2 trim - Lime 2 Tone Reflexite Brilliance
- New York Trim - Double-Stitched
- Back Patch -7.5oz PBO/Kevlar/Nomex EWR Charcoal or Khaki
 - < **ROCHESTER** > STRAIGHT / NO CURVE
 - **9 - 3"** sewn letter -lime Reflexite Brilliance
- Sewn Periods
- Hem Patch w/Velcro-7.5oz PBO/Kev/Nomex EWR Charcoal or Khaki
 - Firefighter's LAST NAME - avg. 8 letters - ok to use 2" letters to fit
 - 8 -3" sewn letter -lime Reflexite Brilliance
 - Sewn Periods
- 1.5" Velcro/Zipper Coat Closure -7.5 oz PBO/Kevlar/Nomex EWR Charcoal or Khaki
 - Brass Zipper
- Dead Air Panels - Coat
- Coat Cuffs -Arashield Black
- Half Hi Bellows Pockets -7.5oz PBO/Kevlar/Nomex EWR Charcoal or Khaki
 - 7" x 9" x 1.5"
 - Lined with Arashield Black
 - Handwarmers behind Bellows Pockets -Fleece
- Mic Tabs - 7.5oz PBO/Kevlar/Nomex EWR Charcoal or Khaki
 - Right chest - 1" x 2" - place 3" above radio pocket
 - Left Collar – top side – 1" x 2"
 - Right collar – top side – 1" x 2"
- Radio Pocket -7.5oz PBO/Kevlar/Nomex EWR Charcoal or Khaki
 - Right chest - 6.5" x 3" x 2.5"
 - Notch Flap - left - right chest
 - Notch Flap - right - right chest
- SL-90 Flashlight Clip -7.5oz PBO/Kevlar/Nomex EWR Charcoal or Khaki
 - left chest
 - Velcro Strap to be 3" x 9" and Box "X" Stitched - Strap to be directly above chest trim and Tab to be 1.5" above Top of Flashlight Strap – Tab to be 1" x 2"
- Liner Pocket - 7.5 oz PBO/Kevlar/Nomex EWR Charcoal or Khaki - on liner right side
 - Additional Liner Pocket Flap w/ Velcro Closure - 7.5oz PBO/Kevlar/Nomex EWR Charcoal or Khaki - on liner left side
- Nomex-Tabbed Long Wristlets - Hybrid Styling

Does Your Bid Comply With All Aspects Of This Section?

Yes _____ No _____

41.0 COMPOSITE MATERIALS FOR CHIEF OFFICER COAT (NATURAL/WHITE)

The specifier has determined the ONLY acceptable combination of materials. Any substitution of materials shall be grounds for immediate disqualification of bid without further consideration. The combination of materials must meet a TPP of 38.50 and a THL of 287.00

41.1 OUTER SHELL

7.5 oz.; Nomex Duck/Plain weave; Nomex III A (93% Nomex, 5% Kevlar, 2% Carbon) - Natural

41.2 THERMAL LINING

7.4 oz. calendared 100% spun 3.6 oz. Meta Aramid facecloth; 1 layer of 2.3 oz. E-89, and one layer 1.5 oz. E-89

41.3 MOISTURE BARRIER

Crosstech Type 2F

THL Minimum of 287 and TPP Minimum of 38.5

Does Your Bid Comply With All Aspects of This Section?

For Outer Shell:	Yes _____	No _____
For Thermal Lining:	Yes _____	No _____
For Moisture Barrier:	Yes _____	No _____

42.0 COAT CUSTOM OPTIONS TO BE PROVIDED

Instructions in this custom options section that contradict earlier specifications or statements supersede those earlier specifications or statements as long as the required certifications are not compromised.

- LTO Chinstrap
- Inspection Port Liner
- Liner Detachable
- Liner Label Pocket
- Take Up Straps 2 Postman
- Iron On Label
 - Firefighter's Full First Name & Full Last Name
- Articulating Rapid Rescue Strap with New Coat
- New York - 2 trim - Lime 2 tone Reflexite Brilliance
 - New York Trim - Double-Stitched
- Above Hem Trim Patch - Nomex Natural
 - RANK - avg. 9 letters Finished size of patch to be 6" x 15 3/4"
 - 9 -2" sewn letter - lime Reflexite Brilliance
- Back Patch - Nomex Natural
 - < ROCHESTER >
 - 9 - 3" sewn letter - lime Reflexite Brilliance
 - Sewn Periods
- Hem Patch w/Velcro - Nomex Natural
 - LAST NAME - avg. 8 letters - ok to use 2" letters to fit
 - 8 -3" sewn letter -lime Reflexite Brilliance
 - Sewn Periods
- 1.5" Velcro/Zipper Coat Closure - Nomex Natural
 - Use Brass Zipper
- Dead Air Panels - Coat

- Coat Cuffs -Arashield Black
- Half Hi Bellows Pockets -Nomex Natural
 - 7" x 9" x 1.5"
 - Lined with Arashield Black
 - Handwarmers behind Bellows Pockets - Fleece
- Mic Tabs - Nomex - Natural
 - Right chest - 1" x 2" - place 3" above radio pocket
 - Left Collar – top side – 1" x 2"
 - Right collar – top side – 1" x 2"
- Radio Pocket - Nomex - Natural
 - Right chest - 6.5" x 3" x 2.5"
 - Notch Flap - left - right chest
 - Notch Flap - right - right chest
- SL-90 Flashlight Clip - Nomex - Natural
 - left chest
 - Velcro Strap to be 3" x 9" and Box "X" Stitched - Strap to be directly above chest trim and Tab to be 1.5" above Top of Flashlight Strap – Tab to be 1" x 2"
- Liner Pocket - Nomex - Natural - on liner right side
 - Additional Liner Pocket Flap w/ Velcro Closure - Nomex - Natural Charcoal - on liner left side
- Nomex-Tabbed Long Wristlets - Hybrid Styling

Does Your Bid Comply With All Aspects Of This Section?

Yes _____

No _____

TURNOUT PANTS

To avoid liability and interface problems, coats and pants shall be procured from the same manufacturer.

43.0 DESIGN CONCEPT (STYLING)

The pant shall be of a traditional waist-high-only design to facilitate full torso ventilation of front, rear and sides of trunk for maximum body cooling effect to help minimize firefighter heat stress. For this reason, other than waist-high pants shall not be considered acceptable or "equal," since additional trunk wrapping traps heat and moisture, increasing heat stress buildup while also creating mechanical resistance when covering the natural torso flexion point of the waist.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

44.0 PATTERNING CONCEPT

Garments shall feature a tailored four-piece outer shell with a two-piece moisture barrier and lining. A pant with a four-piece moisture barrier and thermal liner shall be provided, at no additional charge, when and if an individual's tailoring needs require it.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

45.0 PATTERNING REQUIREMENTS

To assure maximum freedom of movement and reduced kinetic resistance with minimum garment weight and bulk, the pants patterning shall:

- incorporate hydraulic, swivel action leg-to-torso interfaces.
- incorporate an oversized diamond-shaped crotch insert, graded according to size, for maximum action stride, optimum stepping reach and no "in-crotch" seaming.
- meet individual tailoring needs, and offer superior functionality. Diamond shall extend from just above the left knee to just above the right knee, and be centered equally from front to rear. Width of diamond at top of crotch shall be approximately 4 inches (10.2 cm), graded to size.
- ensure that pants rest in normal body line balance of 22 inches (55.9 cm) center distance at the cuff.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

46.0 REINFORCED CUSHIONED KNEE

The cushioning for the Knee reinforcement if required, and the thermal pad sewn to the internal side of the thermal liner assembly, shall provide a minimum of 25 CCHR and be comprised of breathable, fiber based materials.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

51.0 FLY FRONT

The outer shell fly shall be lockstitched to the left side of the front opening and shall be in proportion to waist size and crotch rise in both length and width. Fly inner lining shall extend at least 2 inches (5.1 cm) to the left of the outer shell fly attachment seam and shall be constructed of certified breathable moisture barrier and thermal liner. The right front pant opening shall have an internal facing extending at least 2 inches (5.1 cm) to the right and constructed of specified fabric. In combination with the liner, the system shall offer 360-degree protection without gaps during movement of the outer shell moisture barrier and thermal liner. Closure shall be by means of a minimum 1.5-inch-wide (3.8-cm-wide) hook and loop fastener, and all construction techniques used shall provide liquid penetration protection under the NFPA 1971 Whole Garment Liquid Penetration Test. The fly shall be graded to the waist size of garments and crotch rise.

Does Your Bid Comply With All Aspects Of This Section? Yes _____ No _____

52.0 COMPOSITE MATERIALS

The specifier has determined the ONLY acceptable combination of materials. Any substitution of materials shall be grounds for immediate disqualification of bid without further consideration. The combination of materials must meet a TPP of 40.00 and a THL of 277.00

52.1 OUTER SHELL

Kevlar/Nomex/PBO blend; 60% Kevlar, 20% Nomex, 20% PBO 7.5 oz;

52.2 THERMAL LINING

7.4 oz. calendared 100% spun 3.6 oz. Meta Aramid facecloth; 1 layer of 2.3 oz. E-89, and one layer 1.5 oz. E-89

52.3 MOISTURE BARRIER

CROSSTECH TYPE 2F

THL Minimum of 277 and TPP Minimum of 40

Does Your Bid Comply With All Aspects Of This Section?

For Outer Shell:	Yes _____	No _____
For Thermal Lining:	Yes _____	No _____
For Moisture Barrier:	Yes _____	No _____

53.0 PANT CUSTOM OPTIONS TO BE PROVIDED

Instructions in this custom options section that contradict earlier specifications or statements supersede those earlier specifications or statements as long as the required certifications are not compromised.

- Inspection Port Liner
- Liner Detachable
- 3" Cuff trim -Lime 2-Tone Reflexite Brilliance
 - Cuff Trim -Double-Stitched
 - Non-Std Wide 1.5" Velcro Fly -7.5oz PBO/Kevlar/Nomex EWR - Charcoal or Khaki
- Pants Cuffs -Arashield Black

- BiFlex Heat Channel Knees-7.5oz PBO/Kev/Nomex-EWR- Charcoal or Khaki
 - Both center sections in BiFlex knee to be Arashield Black
- Bellows Pocket -1 -Pants -7.5oz PBO/Kevlar/Nomex EWR Charcoal or Khaki
 - Left Leg
 - 9" x 9" x 1.5"
 - Lined with Arashield Black - Left Leg
- Bellows Pocket (1) w/ Universal Escape System Adaptation
 - right Leg
 - 9" x 9" x 2"
 - Place 3" below Harness Tabs & Move 1" toward Closure - Pocket Flap to be 1" longer Than Standard
 - "V" Notch and velcro strap on Universal Escape System – right Leg
 - Move Strap to the top of pocket - strap to be 1" Wide
 - Lined with Arashield Black
 - Right Side Seam - Trim Aligned
- Harness Pants - NY Style- Includes 8 Harness Tabs around waist - No Harness
 - 7.5oz PBO/Kevlar/Nomex EWR Charcoal or Khaki
- Dyna-Fit Suspenders with Quick Adjust Installed
 - Suspender Padding

Does Your Bid Comply With All Aspects Of This Section?

Yes _____

No _____

55.0 Harness Adaptation

Harness adaptation shall consist of 8 tabs on the waist with another 2 positioned on the inside of the thighs. Tabs will be positioned in such a way as to accommodate the Gemtor harness. Bids should not include cost of Harness. Adaptation only

HOOD SPECIFICATIONS

1.0 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.

STANDARD TITLE

NFPA 1500, 2002 Edition Standard on Fire Department Occupational Safety and Health Program

NFPA 1851, 2001 Edition Standard on Selection, Care, and Maintenance of Structural Fire Fighting Protective Ensembles

NFPA 1971, 2007 Edition Standard on Protective Ensemble for Structural Fire Fighting

Does Your Bid Comply With All Aspects Of This Section? Yes ___ No ___

2.0 DESIGN CONCEPT (STYLING) AND CONSTRUCTION

The hood and materials shall meet or exceed both the design and performance requirements for as outlined in NFPA 1971.

The hood shall provide partial shoulder to shoulder coverage. The chest and back drape shall be of a "squared" shoulder design at least 16 inches (41 cm) wide at the shoulder and extend at least 6 inches (15.3 cm) below the neck seam at both the front and rear.

Seams across the top and down the back of the head shall be flat lock style.

Hood shall feature an over-sized head section with a face opening to provide extra generous face opening that easily stretches to a minimum of 17 inches (43 cm) to provide superior donning and fit characteristics for any size firefighter's head.

All other seams in the body of the hood shall be heavy duty serged style. Hemming shall be by double folding one inch (2.5 cm) of fabric across the bottom of the hood to form a 0.5 inch (1.25 cm) finished hem that is double needle sewn.

Does Your Bid Comply With All Aspects Of This Section? Yes ___ No ___

3.0 MATERIALS

The hood body shall consist of a double layer of a Carbon, Kevlar, P-84 blends, double layer with a weight of approximately 16.0 to 17.0 ounces per square yard (524 to 576 gram per square meter)

Does Your Bid Comply With All Aspects Of This Section? Yes ___ No ___

4.0 CUSTOM OPTIONS

Requirements or instructions in this section which conflict with earlier sections shall supersede the earlier requirements or statements.

None

Does Your Bid Comply With All Aspects Of This Section? Yes ___ No ___

5.0 PACKAGING

Each hood body shall be individually package on a clear poly-bag along with the all user information guides and information.

Does Your Bid Comply With All Aspects Of This Section? Yes ___ No ___

PERCENTAGE SPECIFICATION COMPLIANCE CALCULATIONS

	Total Number "Yes/No" Questions		
	Total Number of Yes Answers		
	Total Number of No Answers		
% Specification Compliance: $[(\text{Total Yes Answers}) \div (\text{Total Answers})] \times 100\%$			%
<p>Each "No" answer requires a full written explanation. Each "Yes/No" question not checked where provided will be considered a "No" answer.</p>			