

RESOLUTION NO. 2011 - 189

A RESOLUTION BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, AUTHORIZING THE COUNTY ADMINISTRATOR, OR DESIGNEE, TO AWARD BID NO. 11-79 AND TO EXECUTE AN AGREEMENT FOR THE PURCHASE OF PERSONAL PROTECTIVE EQUIPMENT (BUNKER GEAR)

RECITALS

WHEREAS, the County desires to enter into a contract with Municipal Equipment Co., LLC to provide personal protective equipment (Bunker Gear) to St. Johns County Fire Rescue; and

WHEREAS, the protective equipment shall include items such as Janesville Force Coats, Janesville Force High-back Pants with Suspenders, Protective Hoods, and Gloves, and

WHEREAS, through the County's formal bid process, Municipal Equipment Co., LLC was selected as the most qualified respondent to enter into a contract with the County to provide the equipment referenced above; and

WHEREAS, the purchase is being funded by Fire District fund; and

WHEREAS, the County has reviewed the terms, provisions, conditions and requirements of the Contract (attached hereto, an incorporated herein) and finds that entering into the Contract serves a public purpose.

NOW, THEREFORE BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, as follows:

Section 1. The above Recitals are incorporated by reference into the body of this Resolution and such Recitals are adopted as finds of fact.

Section 2. The County Administrator, or designee, is hereby authorized to award Bid No. 11-79 to Municipal Equipment Co., LLC ("Municipal").

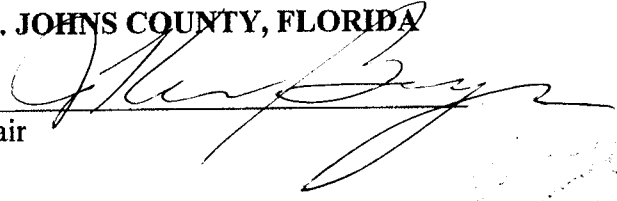
Section 3. The County Administrator, or designee, is further authorized to execute the attached Contract with Municipal on behalf of the County for the purchase of Personal Protective Equipment (Bunker Gear) as specifically provided in Bid No 11-79.

Section 4. To the extent that there are typographical and/or administrative errors that do not change the tone, tenor, or concept of this Resolution, then this Resolution may be revised without subsequent approval by the Board of County Commissioners.

PASSED AND ADOPTED by the Board of County Commissioners of St. Johns County, Florida, this 19th day of July, 2011.

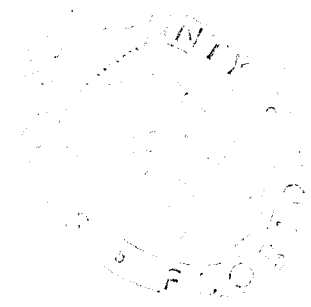
**BOARD OF COUNTY COMMISSIONERS
OF ST. JOHNS COUNTY, FLORIDA**

By: _____
Chair



ATTEST: Cheryl Strickland, Clerk

By: Pam Halteman
Deputy Clerk



RENDITION DATE 7/21/11

CONTRACT AGREEMENT
for
Bid No: 11-79
Purchase of Personal Protective Equipment
(Bunker Gear)

THIS AGREEMENT is made this _____ day of _____ 2011 by and between **ST. JOHNS COUNTY**, hereinafter called "County", and **Municipal Equipment Co., LLC, 2049 West Central Blvd., Orlando, FL 32805, 800-228-8448** hereinafter called "Contractor".

WITNESSETH: That for and in consideration of the payment and agreements hereinafter mentioned;

1. **Scope of Services.** The Contractor will provide personal protective equipment to **St. Johns County Fire Rescue Department listed on Exhibit "A" attached from bid documents Bid No. 11-79.**

2. **Term.** The term of this Agreement shall begin on **July 25, 2011**, and shall end at 11:59 p.m. on **July 24, 2012**, and may be renewed for up to a maximum of three (3) one (1) year renewal periods, upon satisfactory performance by the Contractor, mutual agreement by both parties, and the availability of funds. While this Agreement may be renewed as stated in this Section, it is expressly noted that the County is under no obligation to extend this Agreement. It is further expressly understood that the option of extension is exercisable only by the County, and only upon the County's determination that the Contractor has satisfactorily performed the Scope of Services noted elsewhere in this Agreement.

3. **Fixed Price.** The agreed price shall remain fixed for the Agreement Term in accordance with Exhibit A, attached hereto and incorporated herein by this reference. Price increases shall be considered at the end of each Agreement renewal year. Negotiated increases: (i) shall not exceed prior 12 months (CPI), Consumer Price Index; (ii); shall be approved by the County's Purchasing Director and Fire Chief; and shall be submitted in writing at least 30 days prior to the effective date of the renewal option.

4. The term CONTRACT "DOCUMENTS" means and includes the following:

- (1) ADVERTISEMENT FOR BIDS AND INSTRUCTION TO BIDDERS
- (2) BID PROPSAL – COUNTY BID FORM & ATTACHMENT "A"
- (3) BID SPECIFICATIONS & CONDITIONS
- (4) CONTRACTOR'S PROPOSAL DATED 5/27/2011
- (5) CONTRACT AGREEMENT
- (6) NOTICE OF AWARD
- (7) Exhibit "A" – ITEMS AWARDED

4. **Binding Effect.** This Agreement shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors and assigns.

5. **Amendments to this Agreement.** Both the County and the Contractor acknowledge that this Agreement constitutes the complete agreement and understanding of the parties.

Further, both the County and the Contractor acknowledge that any change, amendment, modification, revision, or extension of this Agreement (other than termination, as noted elsewhere in this Agreement) shall be in writing, and shall be executed by duly authorized representatives of both the County, and the Contractor.

6. **Notices.** All Official Notices to the County shall be delivered either by hand (receipt of delivery required), or by certified mail to:

St. Johns County Fire Rescue
Attn: Fire Chief
3657 Gaines Road
St. Augustine, FL 32084

With a copy to:

St. Johns County Purchasing Division
Attn: Purchasing Director
2446 Dobbs Road
St. Augustine, FL 32086

All Official Notices to Contractor shall be delivered either by hand (receipt of delivery required), or by certified mail to:

Municipal Equipment Co., LLC
Attn: Robert J. Fenneman
2049 West Central Blvd
Orlando, FL 32805

All other correspondence, not classified as Official Notices, may be delivered, disseminated, and/or submitted by any means acceptable to both parties, specifically including, faxing, e-mailing, or text messaging.

7. **No Commitment of County Funds.** The County makes no express commitment to provide funds in any given County Fiscal Year. Moreover, it is expressly noted that Contractor cannot demand that the County provide any such funds in any given County Fiscal Year.

8. **Governing Law and Venue:** This Agreement shall be construed according to the laws of the State of Florida. Venue for any administrative and/or legal action arising under this Agreement shall be in St. Johns County, Florida.

9. **Access to Records.** The access to, disclosure, non-disclosure, or exemption of records, data, documents, and/or materials, associated with this Agreement shall be subject to the applicable provisions of the Florida Public Records Law (Chapter 119, Florida Statutes), and other applicable State or Federal law. Access to such public records, may not be blocked, thwarted, and/or hindered by placing the public records in the possession of a third party, or an unaffiliated party.

10. **Review of Records.** As a condition of entering into this Agreement, and to ensure compliance, especially as it relates to any applicable law, rule, or regulation, the Contractor authorizes the County to examine, review, inspect and/or audit the books and records, in order to determine whether compliance has been achieved with respect to the terms, conditions, provisions, rights, and responsibilities noted in this Agreement. It is specifically noted that Contractor is under no duty to provide access to documentation, not related to this Agreement, and is otherwise protected by County, State, or Federal law.

11. **Indemnity.** To the extent permitted by law, the Contractor shall indemnify, defend, and hold County harmless from, and against, all claims and reasonable costs associated with the Scope of Services noted in this Contract.

12. **Termination (without cause).** This Agreement may be terminated without cause upon either the County, or the Contractor providing at least sixty (60) days prior written notice to the other party of such notice of termination without cause. Such written notification shall indicate that either the County or the Contractor intends to terminate this Agreement sixty (60) days from the date of notification (unless a date greater than sixty (60) days is specified). Consistent with other provisions of this Agreement, the Contractor shall be compensated for any services and/or expenses that are both authorized under this Agreement and that are performed and/or accrue up to the termination of this Agreement.

13. **Severability.** If any word, phrase, sentence, part, subsection, section, or other portion of this Agreement, or any application thereof, to any person, or circumstance is declared void, unconstitutional, or invalid for any reason, then such word, phrase, sentence, part, subsection, other portion, or the proscribed application thereof, shall be severable, and the remaining portions of this Agreement, and all applications thereof, not having been declared void, unconstitutional, or invalid shall remain in full force, and effect.

14. **Assignment; Procedure for Achieving Assignment; Effect of Not Following Procedure.** In light of the scope and rationale for this Agreement, neither the County, nor the Contractor may assign, transfer, and/or sell any of the rights noted in this Agreement, or associated with this Agreement, without the express written approval of the other party. Should either the County or the Contractor assign, transfer, and/or sell any of the rights of this Agreement, without such prior written approval of the other party, then such action on the part of either the County, or Contractor, shall result in the automatic termination of this Agreement, without further notice or action required on the part of the other party.

15. **Insurance:** The Vendor agrees to procure at its sole expense and maintain for the duration of this Agreement the following insurance:

Insurance Requirements

- a) Workers' compensation – to meet statutory limits in compliance with the Workers Compensation Law of Florida. This policy must include Employer Liability with a limit of \$100,000 for each accident, \$500,000 disease policy limit and \$100,000 disease each employee limit.
- b) Commercial general liability – coverage shall provide minimum limits of liability of \$1,000,000 per occurrence, \$2,000,000 Aggregate, for bodily injury and property damage. This shall include coverage for:
 - a. Premises/operations
 - b. Products/complete operations
 - c. Contractual liability
 - d. Independent contractors
- c) Business auto liability – coverage shall provide minimum limits of liability of \$100,000 per occurrence, \$300,000 aggregate for bodily injury and property damage. This shall include coverage for:
 - a. Owned autos
 - b. Hired autos
 - c. Non-owned autos

Special Requirements

- a) Prior to execution of a contract, a certificate of insurance will be provided that shall provide for the following:
 - a. **St. Johns County will be named as additional insured on both the commercial general liability and business auto liability policies.**
 - b. St. Johns County will be given thirty (30) days notice prior to cancellation or modification of any stipulated insurance.
- b) It is the responsibility of the contractor to insure that all subcontractors comply with all insurance requirements.
- c) It should be remembered that these are minimum requirements which are subject to modification in response to high hazard operations.

IN WITNESS WHEREOF, the parties hereto have executed or caused to be executed by their duly authorized officials, this Agreement, four (4) copies of which shall be deemed an original on the date first above written.

CONTRACTOR:

COUNTY:

Municipal Equipment Co., LLC Seal St. Johns County, Florida Seal

BY: _____
Signature

BY: _____
Signature

NAME: _____
Printed Name & Title

NAME: Joe Burch, Purchasing Director

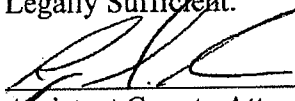
Date of Execution

Cheryl Strickland, Clerk of Courts

By Deputy Clerk

_____ Date

Legally Sufficient:



Assistant County Attorney

Date: 7/6/11

Exhibit "A"

BID NO. 11-79
Purchase of Personal Protective Equipment
(Bunker Gear)

Award the following items to Municipal Equipment Co., LLC:

Product	Unit Price
Janesville V-Force Coat	\$1,019.88 ea
Janesville V-Force High Back Pant w/Suspenders	\$711.52 ea
Protective Hood	\$17.00 ea
Gloves per pair	\$60.00 ea

BID NO: 11-79

NOTICE TO BIDDERS

Notice is hereby given that sealed bids will be accepted until **2:00 P.M. on June 1, 2011** by Leigh Daniels, CPPB, Buyer III, St. Johns County Purchasing Department, 2446 Dobbs Road, St. Augustine, Florida 32086, (904) 209-0154, for the **PURCHASE OF PERSONAL PROTECTIVE EQUIPMENT (BUNKER GEAR)**. Bids will be opened promptly after the 2:00 p.m. deadline. **Note:** Bids delivered or received in the Purchasing Department after the 2:00 P.M. deadline shall not be given consideration and shall be returned to the sender unopened.

Any and all procurement or bid process questions shall be directed to Leigh Daniels, Buyer III, St. Johns County Purchasing, phone number (904) 209-0154. The deadline for all questions shall be no later than 4:00 p.m., Monday, May 23, 2011.

Package request forms are available on DemandStar.com and requesting Document # **11-79**. Additionally, document orders may be facilitated through Onvia DemandStar, Inc. For technical assistance with this Website please contact Onvia Supplier Services at 1-800-711-1712. A link to Onvia DemandStar is also available through the St. Johns County Website at www.sjcf.us/BCC/Purchasing/Open_Bids.aspx. Check the County's site for download availability and any applicable fees. Vendors registered with Onvia DemandStar.com may visit www.demandstar.com to electronically download some documents.

The Board of County Commissioners reserves the right to reject any and all bids and to waive minor formalities or to award the bid whose bid best serves the interest of the County.

Any bidder, proposer or person substantially and adversely affected by an intended decision or by any term, condition, procedure or specification with respect to any bid, invitation, solicitation of proposals or requests for qualifications, shall file with the Purchasing Department for St. Johns County, a written notice of intent to protest no later than 72 hours (excluding Saturdays, Sundays and legal holidays for employees of St. Johns County) after the posting either electronically or by other means of the notice of intended action, notice of intended award, bid tabulation, publication by posting electronically or by other means of a procedure, specification, term or condition which the person intends to protest, or the right to protest such matter shall be waived. The protest procedures may be obtained from the Purchasing Department and are included in the County's Purchasing Manual. All of the terms and conditions of the County's Purchasing Manual are incorporated by reference and are fully binding.

BOARD OF COUNTY COMMISSIONERS
OF ST. JOHNS COUNTY, FLORIDA
CHERYL STRICKLAND, CLERK

BY: _____
DEPUTY CLERK

ST. JOHNS COUNTY PURCHASING DEPARTMENT

INSTRUCTIONS TO BIDDERS

These instructions will bind bidders to terms and conditions herein set forth, except as specifically qualified in special bid contract terms issued with any individual bid.

1. The following criteria are used in determining low responsible bidder:
 - A. The ability, capacity and skill of bidder to perform required service.
 - B. Whether bidder can perform service promptly or within specified time.
 - C. The character, integrity, reputation, judgement, experience and efficiency of bidder.
 - D. The performance of previous contracts with St. Johns County.
 - E. The suitability of equipment of material for county use.
 - F. The ability of bidder to provide future maintenance and parts service.
2. Payment terms are net forty-five (45) days unless otherwise specified. Favorable terms, discounts may be offered and will be considered in determining low bids if they are deemed by the Purchasing Department advantageous to the County.
3. All bids should be tabulated, totaled and checked for accuracy. Unit price will prevail in case of errors.
4. All requested information should be included in the bid envelope or your bid may not receive full consideration.
5. If anything of the bid request is not clear, you should contact the Purchasing Department immediately.
6. A bidder's list is available at the Purchasing Office.
7. Quote all prices F.O.B. (Free On Board), our warehouse or as specified in bid documents.
8. Each proposal shall be clearly marked on the outside of the envelope with the following:
 - A. Sealed Bid Number
 - B. Name of Item Being Bid in Full
 - C. Vendor name and address
9. No Responsibility will attach to any County representative or employee for the premature opening of bid not properly addressed or identified.
10. If only one (1) bid is received, the bid may be rejected and re-advertised.
11. Bids received late will not be accepted and the County will not be responsible for late mail delivery. However, should a bid be misplaced by the County and found later, will be considered.
12. Telephone and facsimile bid will not be acceptable in formal Sealed Bids openings.
13. Any bidder may request and shall receive a receipt showing the day and hour any bid is delivered to the appropriate office of the County from the personnel thereof.
14. All bidders must be recognized dealers in the materials of equipment specified and be qualified to advise in their application or use. A bidder may at any time be requested to satisfy the Purchasing Office and the County Administrator that he has the requisite organization, capital, plant, stock, ability and experience to satisfactorily execute the contract in accordance with the provisions of the contract in which he is interested.
15. Any alterations, erasures, additions or omissions of required information or any changes of specifications or bidding schedule is done at risk of the bidder. Any bid will be rejected that has a substantial variation. For example, a variation that affects the price, quality or delivery date (when delivery is required by a specific time).
16. When requested, samples will be furnished to the County free of expense, properly marked for identifications and accompanied by a list where there is more than one (1) sample. The County reserves the right to mutilate or destroy any

sample submitted whenever it may be to the interest of the County to do so for the purpose of testing.

17. The County will reject any material, supplies or equipment that do not meet the specifications, even though the bidder lists the trade names or names of such material on the bid or price quotation form.
18. The unauthorized use of patented articles is done entirely at the risk of the successful bidder.
19. The ESTIMATED QUANTITY given in the specifications of advertisements is for the purpose of bidding ONLY. The County may purchase more or less than the estimated quantity and the vendor must not assume that such estimated quantity is part of the contract.
20. Only the latest model equipment, as evidenced by the manufacturer's current published literature will be considered. Obsolete models of equipment not in production will not be acceptable. The equipment shall be composed of new parts and materials. Any unit containing used parts or having seen any service other than the necessary tests will be rejected. In addition to the equipment specifically called for in the specification, all equipment catalogued by the manufacturer as standard or required by the State of Florida shall be furnished with the equipment. Where required by the State of Florida Motor Vehicle Code, vehicles shall be inspected and bear the latest inspection sticker of the Florida Department of Revenue.
21. The successful bidder on motor vehicle equipment shall be required to furnish with the delivery of the vehicle a certificate of origin and any other appropriate documentation as required by the Florida Motor Vehicle Department.
22. Prospective bidders are required to examine the location of the proposed work or delivery and determine, in their own way, the difficulties, which are likely to be encountered in the prosecution of the same.
23. All materials, equipment and supplies shall be subjected to rigid inspection under the immediate supervision of the Purchasing Department, its designee and/or the department to which they are delivered. If defective material, equipment or supplies are discovered, the vendor shall remove or make good such material, equipment or supplies without extra compensation. It is expressly understood and agreed that the inspection of materials by the County will in no way lessen the responsibility of the vendor or release him from his obligation to perform and deliver to the County sound and satisfactory materials, equipment or supplies. The vendor agrees to pay the costs of all test upon defective material, equipment or supplies or allow the cost to be deducted from any monies due him from the County.
24. Unless otherwise specified, the County reserves the right to award each item separately or on a lump sum basis, whichever is in the best interest of the County.
25. A contract may not be awarded to any corporation, firm or individual who is, from any cause, in arrears to the County or who has failed in former contracts with the County.
26. Reasonable grounds for supposing that any bidder is interested in more than one proposal for the same item will be considered sufficient cause for rejection of all proposals in which he is interested.
27. Submitting a proposal when the bidder intends to sublet the contract may be a cause for rejection of bids or cancellation of the contract by the County Administrator.
28. The County reserves the right to reject any or all bids or quotations, to waive any minor discrepancies in the bids for all bidders equally when deemed to be in the best interest of the County and to purchase any part, all or none of the materials, supplies or equipment specified.
29. Failure of the bidder to sign the bid or have the signature of any authorized representative or agent on the bid proposal in the space provided may be cause for rejection of the bid. Signature must be written in ink or indelible pencil. Typewritten or printed signatures will not be acceptable.
30. Any bidder may withdraw his bid at any time BEFORE the time set of opening of the bids. A bid may be withdrawn AFTER the bids are opened only with permission of the Purchasing Agent.

31. It is mutually, understood and agreed that, if at any time, the Purchasing Department or designee shall be of the opinion that the contract, or any part thereof, is unnecessarily delayed or that the rate of progress or delivery is unsatisfactory or that the contractor is willfully violating any of the condition or covenants of the agreement or is executing the same in bad faith, the Purchasing Agent or his designee shall have the power to notify the aforesaid contractor of the nature of the complaint. Notification shall constitute delivery of notice or letter to address given in proposal. If after three (3) working days of notification, the conditions are not corrected to the satisfaction of the Purchasing Agent, he shall thereupon have the power to take whatever action he may deem necessary to complete the work or delivery herein described, or any part thereof, and the expense thereof, so charged, shall be deducted from any paid by the County out of such monies as may become due to the said contractor, under and by virtue of this agreement. In case such expense shall exceed the last said sum, then and in that event, the bondsman or the contractor, his executors, administrators, successors or assigns, shall pay the amounts of such excess to the County on notice by the Purchasing Department or his designee of the excess due.
32. Any complaint from bidders relative to the invitation to bid or any attached specifications shall be made prior to the time of opening bids; otherwise, the bidder waives any such complaint.
33. A vendor writing specifications for the County may not be allowed to bid on that project.
34. Contracts may be canceled by the County with or without cause on thirty (30) days advance written notice.
35. Any bidder affected adversely by an intended decision with respect to the award of any bid, shall file with the Purchasing Department for St. Johns County, a written notice of intent to file a protest not later than seventy-two (72) hours (excluding Saturday, Sunday and legal holidays) after the posting of the bid tabulation. Protest procedures may be obtained in the Purchasing Department.

**ST. JOHNS COUNTY
BID TABULATION**

BID TITLE PERSONAL PROTECTIVE EQUIPMENT (BUNKER GEAR)

ANY BIDDER AFFECTED ADVERSELY BY AN INTENDED DECISION WITH RESPECT TO THE AWARD OF ANY BID, SHALL FILE WITH THE PURCHASING DEPARTMENT FOR ST. JOHNS COUNTY, A WRITTEN NOTICE OF OF INTENT FILE A PROTEST NOT LATER THAN SEVENTY-TWO (72) HOURS (EXCLUDING SATURDAY, SUNDAY AND LEGAL HOLIDAYS) AFTER THE POSTING OF THE BID TABULATION PURCHASING DEPARTMENT.

OPENED BY
TABULATED BY
VERIFIED BY

LEIGH DANIELS
Barbara Beauchamp

BID NUMBER 11-79

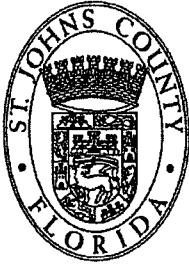
OPENING DATE/TIME June 1, 2011 2:00 PM

POSTING DATE/TIME 06/01/11 3:00 PM **FROM** 06/06/11 3:00 PM **UNTIL**

PAGE(S) 1 of 1

BIDDERS	JANESVILLE V- FORCE COAT UNIT PRICE	JANESVILLE V- FORCE HIGH- BACK PANT W/SUSPENDERS UNIT PRICE	PROTECTIVE HOOD UNIT PRICE	GLOVES PER PAIR UNIT PRICE	NUMBER OF DAYS FOR DELIVERY FROM ARO		
MUNICIPAL EQUIPMENT CO	\$1,019.88	\$711.52	\$17.00	\$60.00	3-60 DAYS		

BID AWARD DATE - _____



ST. JOHNS COUNTY
PURCHASING DEPARTMENT

2446 Dobbs Road
St. Augustine, Florida 32086

INTEROFFICE MEMORANDUM

JUL - 1 2011

TO: Kurt Kaunath, Battalion Chief
FROM: Leigh Daniels, CPPB, Buyer III
SUBJECT: Transmittal of Bids Received for Bid No. 11-79, Personal Protective Equipment
(Bunker Gear)
DATE: June 1, 2011

Attached are copies of the bid proposals received for the above mentioned along with a copy of the Bid Tabulation Sheet.

Please review, evaluate and make a written recommendation for this project. Also, indicate the budgeted amount for this item along with the appropriate charge code and return at your earliest convenience. We will prepare the agenda item and contract.

Please let me know if I can assist your department in any other way.

Dept. Approval *[Signature]*

Date 6/28/11

Budget Amount 50,000.00

Account Funding Title Operating Supplies

Funding Charge Code 1224 55200

Award to Municipal Equipment Co

Award Amount _____

Purchase on an as needed basis

BID NO. 11-79

**ST. JOHNS COUNTY, FLORIDA
OFFICIAL TOTAL BID FORM**

TO: THE BOARD OF COUNTY COMMISSIONERS
OF ST. JOHNS COUNTY, FLORIDA

DATE: MAY 27, 2011

-BID PROPOSAL-

If awarded a Purchase Order on the basis of this proposal, the undersigned pledges to provide the equipment as specified in the Bid Proposal and County Specifications barring delays due to strikes, fires, transportation difficulties or other causes beyond the control of the undersigned.

The undersigned declares that the statements and representations made in this proposal are true in every respect and that the said proposal is in all respects fair and made without collusion or fraud, and that no member of the County Board, or any other agent or employee of the County, directly or indirectly, is interested in this proposal or in any profits expected to accrue therefrom.

The following proposal is presented:

FOR: **PURCHASE OF PERSONAL PROTECTIVE EQUIPMENT (BUNKER GEAR),
PER ATTACHED SPECIFICATIONS:**

Janesville® V-Force Coat Unit Price \$ 1019.88

Janesville® V-Force High-Back Pant w/Suspenders Unit Price \$ 711.52

Protective Hood Unit Price \$ 17.00

Gloves per pair Unit Price \$ 60.00

Number of days 3-60 for delivery from Receipt of Purchase Order

Please provide manufacturer's warranty information with bid submittal.

(Yearly estimated purchase is 75 sets)

Bid No: 11-79 Official Total Bid Form for the Purchase of Personal Protective Equipment (Bunker Gear)

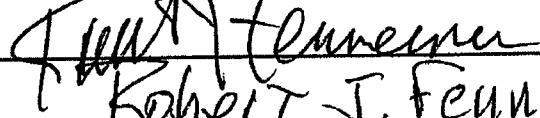
I certify that the equipment presented in the above proposal meets or exceeds the County specifications and that I, the undersigned bidder, declare that I have carefully examined the specifications, terms and conditions of this bid and I am thoroughly familiar with it's provisions and quality and type of coverage called for and bid herein. The undersigned further declares that he has not divulged, discussed or compared his bid with any other bidders and has not colluded with any other bidder or parties to a bid whatsoever for any fraudulent purpose.

COMPANY: MUNICIPAL EQUIPMENT Co., LLC

ADDRESS: 2049 WEST CENTRAL BLVD.
ORLANDO, FL 32805

MINORITY OR WOMAN OWNED BUSINESS: N/A

FEDERAL ID NO. OR SOCIAL SECURITY NO.: 59-3624496

SIGNATURE: 
ROBERT J. FENNEMAN
(Typed or Printed Signature)

TITLE: PRESIDENT

DATE: 5/27/11

TELEPHONE NO.: 1-800-228-8448

FAX NO.: 1-877-775-2448

EMAIL ADDRESS: RFENNEMAN@MECOFIRE.COM

ATTACHMENT "A"

ST. JOHNS COUNTY BOARD OF COUNTY COMMISSIONERS

AFFIDAVIT

TO: ST. JOHNS COUNTY BOARD OF COUNTY COMMISSIONERS
ST. AUGUSTINE, FLORIDA

At the time the proposal is submitted, the Bidder shall attach to his bid a sworn statement.

The sworn statement shall be an affidavit in the following form, executed by an officer of the firm, association or corporation submitting the proposal and shall be sworn to before a person who is authorized by law to administer oaths.

STATE OF FLORIDA COUNTY OF ORANGE.
Before me, the undersigned authority, personally appeared
who, being duly sworn, deposes and says he is
(Title) PRESIDENT
of MUNICIPAL EQUIPMENT Co., LLC (Firm) the bidder submitting the attached
proposal for the services covered by the bid documents for Bid No: 11-79, Purchase of
Personal Protective Equipment (Bunker Gear) St. Johns County.

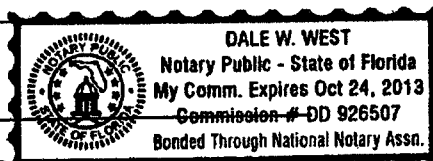
The affiant further states that no more than one proposal for the above referenced project will be submitted from the individual, his firm or corporation under the same or different name and that such bidder has no financial interest in the firm of another bidder for the same work. That he, his firm, association or corporation has neither directly, nor indirectly entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this firm's bid on the above described project. Furthermore, neither the firm nor any of its officers are debarred from participating in public contract lettings in any other state.

MUNICIPAL EQUIPMENT Co., LLC
(Bidder)
By [Signature]
President
(Title)

Sworn and subscribe to before me this 27th day of MAY 2011.

[Signature]
Notary Public

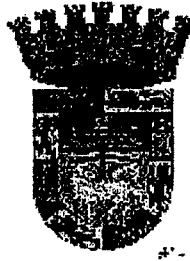
My Commission Expires: _____



BIDDER ON ALL COUNTY PROJECTS MUST EXECUTE & ATTACH THIS AFFIDAVIT TO EACH BID.

Bid No: 11-79

**THE BOARD OF COUNTY COMMISSIONERS
OF ST. JOHNS COUNTY, FLORIDA**



Issued By:

St. Johns County, Florida
St. Johns County Purchasing Department
2446 Dobbs Road
Saint Augustine, Florida 32086

Technical Specifications

Protective Clothing Specification

Meets Requirements? _____

Scope

Yes | No

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

Standard

Yes | No

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

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

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

USER GUIDE INFORMATION

Yes | No

Each garment shall include a User Information Guide with information required by NFPA 1971.

This guide shall include:

- (a) Pre-use information:
 - Safety considerations.
 - Limitations of use.
 - Garment marking recommendations and restrictions.
 - A statement that most performance properties of the garment cannot be tested by the user in the field.
 - Warranty information.
- (b) Preparation for use:
 - Sizing/adjustment.
 - Recommended storage practices
- (c) Inspection:
 - Inspection frequency and details.
- (d) Don/Doff:
 - Donning and doffing procedures.
 - Sizing and adjustment procedures.
 - Interface issues.
- (e) Use:
 - Proper use consistent with NFPA 1500, Standard on Fire Department, Occupational Safety and Health Program, and 29 CFR 1910, 132.
- (f) Maintenance and Cleaning:
 - Cleaning instructions and precautions with a statement advising users not to use garments that are not thoroughly cleaned and dried.
 - Inspection details.
 - Maintenance criteria and methods of repair where applicable.
 - Decontamination procedures for both chemical and biological contamination.
- (g) Retirement and Disposal
 - Retirement and disposal criteria and considerations.

(h) Drag Rescue Device (DRD)

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

Tracking Label System

Yes | No

There shall be a PDF417, two dimensional bar code label permanently affixed to each garment for tracking purposes. The bar code shall contain a minimum of the following information:

- a. unique serial number
- b. item description (brand, model, material color)
- c. lot information (date of mfg., size, etc.)
- d. material description
- e. the standard to which the garment is compliant

The bar code shall be able to withstand customary wash and wear cycles. The PDF417 bar code must incorporate a minimum of a 30% "error correction" capability.

Sizes

Yes | No

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

Warranty

Yes | No

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

Composite Performance

Yes | No

The garment composite, consisting of the outer shell, moisture barrier and thermal liner, shall provide a Thermal Protective Performance (TPP) of not less than 49 when tested in accordance with NFPA 1971 standard.

The garment composite, consisting of the outer shell, moisture barrier and thermal liner, shall provide a Total Heat Loss (THL) of not less than 259 when tested in accordance with NFPA 1971 standard.

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

Stress Points

Yes | No

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

Labeling

Yes | No

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

Do Not Remove This Label

**THIS GARMENT MEETS THE GARMENT REQUIREMENTS OF NFPA 1971,
STANDARD ON PROTECTIVE ENSEMBLE FOR STRUCTURAL FIRE FIGHTING,
2007 EDITION**

MADE IN THE U.S.A.

Acquisition Regulation

In the past three-year period has your firm, or any of its principals, been convicted or had a civil judgment rendered against it for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, state, or local) contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, violating Federal criminal tax laws, or receiving stolen property?

___ YES NO

Detailed Description / Specification

Meets Requirements? _____

Janesville® V-Force® Coat

Coat Model / Design

COAT CONSTRUCTION: The coat is designed of a 3-panel construction in all layers of our innovative V-fit design for optimum comfort and mobility. Sleeves shall be of raglan design.

Yes | No

Coat Model / Design

When measured at the center of the back from the collar seam to the hem bottom, the coat shall measure a minimum of 32" long, up to 35", or dependent on the wearer's measurement.

Yes | No

Drag Rescue Device

The Fire Fighter Recovery Harness™ shall be constructed of a one and one-half inch wide KEVLAR® strap that shall be installed between the outer shell and the thermal liner. This harness shall have a hand loop (16" in circumference) that exits the outer shell through a 2" polymer coated aramid reinforced slot on the back of the coat just below the collar and is held in place by means of a piece of 1.5" x 2" hook on the strap and a piece of 1" x 2" loop attached to the outer shell. This strap is then secured under a 2.25" x 5.25" flap that is sewn in at the neck /collar area. Two pieces 1" x 2" loop shall be set vertically on shell to align with two pieces of 1" x 2" hook set vertically to the underside of the flap. The harness is also held in proper alignment by means of a 2" x 2" piece of loop placed on the inside of the outer shell underneath the chest trim that corresponds to a piece of 1.5"x 2" hook located on the harness. Two 1" x 3.5" self-fabric straps with 1" x 2" hook on one end and 1" x 2" loop on other end shall be set to coat in the shoulder cap area to keep straps in proper position for use.

Yes | No

Fire Fighter Recovery Harness™ provides mechanical leverage for dragging a downed and incapacitated structural firefighter from a life-threatening environment. The design of the harness enables the rescuer to drag the downed firefighter in line with the axis of the firefighter's skeletal frame, in order to decrease the risk of further injury.

Coat Outer Shell Material

The outer shell shall be constructed of a 7.0 oz./sq. yd. 60% KEVLAR®/40% NOMEX® III ripstop weave with water/stain repellent finish.

Yes | No

Fabric Color

Color shall be tan

Yes | No

Coat Liner & Moisture Barrier Yes | No

THERMAL LINER: The thermal liner shall be comprised of Glide™ 100% NOMEX® high-lubricity, stress reducing, filament/spun face cloth weighing 3.5 oz./sq.yd, manufactured in a 2X1 twill weave from a combination of 200 denier filament NOMEX® fiber and colorfast producer dyed NOMEX® ring spun fibers. The high filament yarns, with superior wicking characteristics, shall represent no less than 60% of the face cloth's composition, and shall be positioned in the warp direction of the weave in order to optimize their slippery characteristics on the face, and promote superior moisture management within the microclimate of the garment. The Glide™ face cloth shall be quilted to one layer E-89™ spunlace aramid (85%NOMEX®/15% KEVLAR®) weighing approximately 2.3 oz./sq. yd. and one layer of apertured (11-13 apertures/sq. inch) E-89™ spunlace aramid (85% NOMEX®/15% KEVLAR®) weighing approximately 1.5 oz./sq. yd. both layers shall be treated with a Teflon® finish to promote minimal moisture stored in the garment microclimate as well as promote rapid drying (Total weight +/- 7.3 oz./sq. yd.).

MOISTURE BARRIER: CROSSTECH® BLACK (Type 2F): NOMEX® substrate laminated to a lightweight breathable, Teflon membrane; weighing 5.0 oz./sq. yd.

The liner shall have one 8.5" x 8.5" internal pocket which shall be made of black outer shell material. The liner pocket shall be located on the left side of coat liner.

Quilt Thermal Liner Construction: The moisture barrier shall be sewn to the thermal liner at its perimeter with the breathable membrane oriented inward toward the thermal liner and away from the outer shell. All moisture barrier seams shall be sealed as required by NFPA 1971. The moisture barrier/thermal liner shall finish no more than 1" from the cuffs and 2" from the hem.

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

All moisture barrier seams shall be sealed as required by NFPA 1971.

Reflective Trim Yes | No

All trim shall be sewn with four rows lockstitch 301, minimum six stitches/inch for most secure trim attachment.

Ventilated Trim shall be of 3" Scotchlite II (triple trim) of lime/yellow (RED/ORANGE FOR OFFICERS) perforated with 0.08 mm holes (114 per square inch) to provide a conduit for the release of vapor that can occur when moisture is heated and the trim compressed.

Viz-a-V™ Pattern: One 3" strip shall be set full circumference at the bottom sweep of the outer shell; one 3" strip shall be set around each sleeve approximately 2" from bottom of sleeve cuff; one 3" strip shall be set full circumference at the chest; one 3" strip shall be set around each sleeve just above the elbow; two 3" V shaped vertical strips shall be set

at an angle from hem trim to back chest trim of the coat.

Coat Collar

Yes | No

MOISTURE BARRIER/THERMAL LINER CONSTRUCTION: Design shall be compatible with the outer shell so that the liner does not buckle, pull, or otherwise restrict body motion. The left and right fronts of the moisture barrier/thermal liner shall be attached to the facings at the front closure of the outer shell. The neck of the moisture barrier/thermal liner shall be secured to the neck of the outer shell collar such that when donning the coat an arm may not be accidentally caught between the outer shell and its inner linings along the neck between the armholes. Liner shall have a 2" wide, 2-ply CROSSTECH®/NOMEX® pajama check extension sewn the full length of the neck. FR loop, 3/4" wide, shall be sewn on extension to tuck into pleat in outer shell collar.

COLLAR: The collar shall be of three piece contoured 4-layer configuration such that when the collar is raised it shall remain standing while providing continuous thermal and moisture protection around the neck and face. To ensure this protection, the two layers of outer shell collar shall be fully lined with one layer of Gore RT7100™ PTFE moisture barrier material and two layers of 1.5 oz. apertured E-89™ thermal liner. The collar shall provide proper interface with liner to insure no moisture penetration through the collar seam to inside of coat.

The collar shall be contoured and shall completely cover the neck and throat area when in the raised position. Raised height shall be approximately four inches with a contoured overlap at the front of the coat. Collar closure shall be provided by FR hook and loop 1.5" x 4", with loop portion sewn on right side of collar, and hook portion sewn on left, set horizontal. Collar shall be of such design so as not to interfere with SCBA facemasks, nor helmet.

When examined prior to donning, the turned up collar shall completely wrap around the front of the neck opening such that left and right collars touch or overlap to maximize facial protection.

The three piece contoured 4-layer collar shall be sewn with a pleat on the innermost layer. Pleat shall have 3/4" FR hook sewn on the underside to engage the moisture barrier extension on the liner.

Throat Tab

Yes | No

The throat strap shall be of 4-layer configuration providing continuous thermal and moisture protection around the neck and face. The throat strap shall be mounted to the outer shell collar to ensure that when the coat is closed and the collar is raised, the throat strap shall prevent any opening between the left and right collar. To ensure this protection, the inside of the throat strap shall be fully lined with one layer of Gore RT7100™ PTFE moisture barrier material and two layers of 1.5oz apertured E-89™ thermal liner. The outer most layer of the throat strap shall be outer shell material. The innermost layer facing the wearer's body shall be outer shell fabric.

The throat strap shall be mounted to the outer shell collar 3.5" back from the collar facing and shall be not less than 11" long and 4" wide, contour shaped to be compatible with the SCBA facemask and secured in the stowed position with 2"x 2" FR hook on the right outside of the collar. 2" x 2" FR loop shall be sewn to the end of the throat strap and 2"x 3" corresponding FR hook shall be sewn to the outer shell material on the left

Detailed Description / Specification

Meets Requirements? _____

side of the collar to provide maximum adjustment when wearing an SCBA breathing apparatus mask. The throat strap will close from the right to the left.

Hanger Loop

Yes | No

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

Coat Inner Yoke Reinforcement

Yes | No

A layer of Semper Dri™ (3.0 oz./sq. yd. Teflon® treated Chambray (NOMEX® spun) face cloth quilted to arafla/E-89™ (Total weight +/- 6.0-6.8 oz./sq. yd)) shall be positioned between the moisture barrier and thermal liner for extra thermal protection in a high heat and compression area of the coat. It shall be sewn to the inside of the upper back portion of the thermal liner across the upper back from the back shoulder and collar seams 7" down, over the tops of shoulders and down the front approximately 4" ending at the armhole.

Coat Shoulder Reinforcement

Yes | No

A 4" wide area at the top of the shoulders extending 6" from the collar seam shall be capped with outer shell material for abrasion resistance and thermal protection.

Coat Elbow Reinforcement

Yes | No

The sleeve shall have an insert throughout all layers that shall provide a natural bend in the sleeve. This elbow shall include cut outs, shaped pieces, and darts to create free movement with few restrictions.

The insert shall consist of black polymer coated aramid for abrasion resistance and thermal protection.

Coat Cuff Reinforcement

Yes | No

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

Coat Wristlets

Yes | No

An internal wristlet shall consist of a 2-ply knit of 48% NOMEX®/48% KEVLAR® and 4% Spandex for superior recovery. Wristlet to be combination of natural and bronze colors producer dyed by DuPont, and with extremely durable Teflon® water resistant alloy not less than 8" extending completely over the palm with a thumbhole preventing the wristlet

Detailed Description / Specification

Meets Requirements? _____

from sliding back. Wristlets shall be double stitched and bound to the moisture barrier/thermal liner providing extended thermal and slash protection.

Waterwells - Ever-Dri

Yes | No

A combination Semper Dri™ (3.0 oz./sq. yd. Teflon® treated Chambray (NOMEX® spun) face cloth quilted to arafla/E-89™ (Total weight +/- 6.0-6.8 oz./sq. yd)) and one layer of breathable CROSSTECH® (Type 2C) moisture barrier leader shall be sewn no more than 1" back from the combination liner sleeve end. This leader shall be approximately 4" in length and end with a gathering of 1" elastic. This sleeve well shall prevent water and hazardous materials from entering the sleeve when arms are in a raised position.

The combination liner sleeve ends shall be inserted into the outer shell sleeve ends by means of lining up the snaps then attaching the FR loop fastener of the combination liner sleeve end with the FR hook fastener of the outer shell cuff. This method of combination liner attachment shall prevent any gaps from occurring between the combination liner and sleeve well during a full range of motion. The combination liner shall extend to within 1" of the sleeve end.

Coat Closure System

Yes | No

THERMAL FRONT PANEL CONSTRUCTION: There shall be continuous thermal and moisture protection around the entire torso including the storm flap. To ensure this protection, as well as reduce potential for wicking moisture to inside of liner, both right and left inside front facings of the coat outer shell shall incorporate outer shell fabric and Gore RT7100™ PTFE moisture barrier, extending from collar to hem.

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

STORM FLAP: A storm flap measuring not less than 5" wide, nor less than 22" in length shall be set on the outside of the right side of the coat opening for maximum thermal protection and clear drainage. The inner lining of the storm flap shall be Gore RT7100™ PTFE moisture barrier meeting all requirements for moisture barriers sandwiched between two layers of outer shell fabric.

FRONT/STORM FLAP CLOSURES: The front closure shall consist of four snap hooks shall be set with three leather reinforced rivets at the extreme right side of the coat front underneath the storm flap. Opposite of each snap hook, a corresponding dee ring set to the underside of the leading edge of the left coat front with two leather reinforced rivets. The storm flap closure shall consist of double-stitched 2" wide loop on the inner side of the storm flap and double-stitched 2" wide hook attachment on the left coat front. The hook and loop closure shall extend the full length of the outer storm flap eliminating all exposed frontal hardware.

Coat Options

Yes | No

Coat options listed below, if any

Detailed Description / Specification

Meets Requirements?

Mic Tab

There shall be a 1" X 3" triple layer self-fabric mic tab attached with bar tacks on each side. Bar tacks shall be a minimum 42-stitch bar tack

Yes | No

Item Location for Above

Shall be located on the left chest above radio pocket

Yes | No

Flashlight Strap

There shall be a 1¼"x7" self fabric flashlight holder x-stitched to outer shell of coat. Strap shall have 1"x 2" hook applied to one end of the strap and 1"x2" loop applied to opposite end of strap. There shall be a 703 hook applied to outer shell 5" above the self fabric strap. It shall be securely fastened to the coat by means of a self fabric strap looped through the end of the hook and riveted to the outer shell.

Yes | No

Item Location for Above

Shall be located on right chest 6" over from SF (or max allowed before sleeve) & 6" below shoulder; strap will be below chest trim.

Yes | No

Emblem

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

Yes | No

Item Location for Above

Shall be located on the left sleeve.

Yes | No

Lettering Patches

There shall be one 5"x18" contoured 2-layer self-fabric one-line Letter Patch attached to hang from back hem via Velcro and corner snaps.

Yes | No

Sewn On Lettering

There shall be 3" lime/yellow (RED/ORANGE FOR OFFICERS) Scotchlite letters, sewn-on to the hanging patch for FF Last Names,

Yes | No

Sewn On Lettering

There shall be 3" lime/yellow (RED/ORANGE FOR OFFICERS) Scotchlite letters, sewn-on to the yoke; to read - SJCFR

Yes | No

Liner Inspection System

There shall be an opening located on the coat liner approximately 11" in length at the center back of the neck separating the thermal barrier and moisture barrier. This opening will provide the ability to completely invert the coat liner to properly view the integrity of the entire liner system. There shall be one piece .75"x 4" FR loop sewn to the back side of the liner system with a corresponding piece of .75"x 4" FR hook sewn to

Yes | No

Detailed Description / Specification

Meets Requirements? _____

the inside of the outer shell to ensure proper alignment when installing the liner system into the outer shell. This Liner Inspection System is completely hidden when the liner is properly installed into the outer shell.

Coat Pockets

Yes | No

Coat pocket specifications listed below

Turn-Out Pockets

Yes | No

8" wide x 8" deep x 2" full bellows & handwarmer combination pocket with 6" opening on side.

The full bellow pocket shall be fully lined with KEVLAR® twill on all four sides inside pocket.

Pockets and flaps shall be set with stitch 301, seam Ssb-2 with the top and bottom pocket corners and top corners of flap reinforced with bar tacks for additional strength. Drainage of moisture to be provided by brass eyelets.

Each pocket flap shall measure 9" x 5".

Pocket flaps shall close to the pocket using a piece of 1" x 8" loop horizontally on the pocket and a piece of 1" x 8" hook horizontally on underside of flap.

Item Location for Above

Yes | No

Shall be located on left and right of the front bottom.

Yes | No

One 3.5" wide x 9" deep full bellows radio pocket that expands by means of side and front gussets to a thickness of 2" in front and back.

Pocket and flap shall be set with stitch 301, seam Ssb-2 with the top and bottom pocket corners and top corners of flap reinforced with a minimum 42-stitch bar tack. A brass eyelet shall provide drainage of moisture.

Pocket flap shall be 4.5"x 5" with an antenna notch on each side on flap.

Pocket shall be fully lined all 3 sides inside pocket with polycotton lining.

Pocket flap shall close to the pocket top using 1 piece of 1"x 2" loop on pocket horizontally and 1 piece of 1"x 2" hook on flap vertically.

Item Location for Above

Yes | No

Shall be located on the left side of the chest.

Janesville® V-Force® High-Back Pant

Pant Model / Design

Yes | No

PANT CONSTRUCTION: The pant shall have a low rise waist V-Fit™ design with five inch high back panel with hook and loop for support panel of Lion V-Back™ suspenders (required with these pants).

Detailed Description / Specification

Meets Requirements? _____

EXTENDED BACK PANEL: A back panel shall be constructed of two layers of outer shell material, one middle layer of moisture barrier material and one layer of thermal liner material. One piece self fabric flap 9" wide x 5" high with 5" x 9" hook to attach suspenders. This panel shall be stitched to the perimeter of the outer shell and shall measure 10" across the top, 19" across the bottom (being graded for waist size), and extend 5" above the pant waist with 5" x 9" loop. See V-Back™ suspender specification.

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

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

MISC. Pant Options

Two 2" wide self material suspender tabs with snaps shall be attached to waist front for suspender attachment.

Yes | No

Pant Outer Shell Material

The outer shell shall be constructed of a KEVLAR® / NOMEX® blend "Advance®" material with an approximate weight of 7 ounce per square yard in a rip stop weave and shall be treated with a water repellent finish.

Yes | No

Fabric Color

Color shall be tan

Yes | No

Pant Liner & Moisture Barrier

THERMAL LINER: The thermal liner shall be comprised of Glide™ 100% NOMEX® high-lubricity, stress reducing, filament/spun face cloth weighing 3.5 oz/sq/yd, manufactured in a 2X1 twill weave from a combination of 200 denier filament NOMEX® fiber and colorfast producer dyed NOMEX® ring spun fibers. The high filament yarns, with superior wicking characteristics, shall represent no less than 60% of the face cloth's composition, and shall be positioned in the warp direction of the weave in order to optimize their slippery characteristics on the face, and promote superior moisture management within the microclimate of the garment. The Glide™ face cloth shall be quilted to one layer E-89™ spunlace aramid (85%NOMEX®/15% KEVLAR®) weighing approximately 2.3 oz./sq. yd. and one layer of apertured (11-13 apertures/sq. inch) E-89™ spunlace aramid (85% NOMEX®/15% KEVLAR®) weighing approximately 1.5 oz./sq. yd. both layers shall be treated with a Teflon® finish to promote minimal moisture stored in the garment microclimate as well as promote rapid drying (Total weight +/- 7.3 oz./sq. yd.).

Yes | No

MOISTURE BARRIER: CROSSTECH® BLACK (Type 2F): NOMEX® substrate

laminated to a lightweight breathable, Teflon membrane; weighing 5.0 oz./sq. yd.

MOISTURE BARRIER/THERMAL LINER CONSTRUCTION: Design shall be compatible with the outer shell so that the liner does not buckle, pull, or otherwise restrict body motion. To deter the wicking of moisture up the thermal liner leg the bottom nine inches of each thermal leg shall be constructed of Semper Dri (3.0 oz./sq. yd. Teflon® treated Chambray (NOMEX® spun) face cloth quilted to one layer E-89™ spunlace aramid 85%NOMEX®/15% KEVLAR® weighing approximately 2.3 oz./sq. yd. with a Teflon® finish and one layer of apertured (11-13 apertures/sq. inch) E-89™ spunlace aramid 85% NOMEX®/15% KEVLAR® weighing approximately 1.5 oz./sq. yd. with a Teflon® finish. (Total weight +/- 6.8 oz./sq. yd.)). The waist of the moisture barrier/thermal liner shall be secured to the waist of the outer shell such that when donning the pant a leg may not be accidentally caught between the outer shell and its inner linings along the waist and between the legs of the pant. For added thermal protection to the knee, an additional layer of 1/8" thick, fire retardant closed-cell foam shall be positioned between the moisture barrier and thermal liner at the knee.

Quilt Thermal Liner Construction: The CROSSTECH®/NOMEX® pajama check moisture barrier shall be sewn to the thermal liner at its perimeter. All moisture barrier seams shall be sealed as required by NFPA 1971. The moisture barrier/thermal liner shall finish no more than 3" from the cuffs.

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

Reflective Trim

All trim shall be sewn with four (4) rows lockstitch 301, minimum (6) stitches/inch for most secure trim attachment. Ventilated Trim shall be of 3" Scotchlite II (triple trim) of lime/yellow (RED/ORANGE FOR OFFICERS) perforated with 0.08 mm holes (114 per square inch) to provide a conduit for the release of vapor that can occur when moisture is heated and the trim compressed. Pant trim shall be applied as follows: (1) strip set full circumference around the bottom of the cuff 3" from the bottom cuff.

Yes | No

Pant Fly Closure

STORM FLY/CLOSURE: The outer shell shall have a sewn on overlapping fly front running the full length of the fly on the left side. The flap shall not be less than 2.5" wide at the waistband. The bottom of the fly shall be reinforced with a 42 stitch bartack.

The storm fly shall be held closed along its length by means of a hook and loop fastener closure 1.5" minimum width, along the leading edge for a distance of not less than 6" from the bottom of the fly closure to the waist area for proper alignment and secure closure. There shall be a hook & dee ring closure riveted directly to shell with leather backings.

The storm fly shall be outer shell material, lined with a 3.5" strip CROSSTECH® (Type 2C) moisture barrier material to prevent wicking.

The storm fly shall be outer shell material, lined with a 4." strip of CROSSTECH® (Type 2C) moisture barrier material.

Yes | No

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

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

Take Up Straps

Yes | No

There shall be two waist straps sewn and bar tacked 2 1/2" down from the top of the waistband. One strap shall be installed on the right side and one on the left side constructed out of one piece of shell material folded to two layers and sewn to form a 1/2" wide strap. Each strap shall be a minimum of 8 1/2" in length. These take-up straps shall have a 5/8" nickel plated postman style slide buckle which shall be attached by a piece of shell material six (6) inches in length folded to form two layers. The strap is sewn to form an attachment strap approximately three (3) inches in length designed for quick take-up adjustment.

Pant Knee Reinforcement

Yes | No

V-FIT™ KNEE: The knee shall have an insert throughout all layers that shall provide a natural bend in the leg. This knee shall include cut outs, shaped pieces, and darts to create free movement with few restrictions. The insert shall consist of black polymer-coated aramid for abrasion resistance and thermal protection. For added thermal protection & padding, an additional layer of fire retardant silicone foam and a layer of uninterrupted 1/8" thick, fire retardant closed-cell foam shall be positioned under the outer reinforcement layer.

Pant Cuff Reinforcement

Yes | No

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

MISC. Pant Options

Yes | No

The back portion of the cuff will gradually curve upward from each side seam to a maximum of 2" at the center back of the pant leg to prevent wear on the back of the cuff.

Leg Tabs

Yes | No

2 Leather leg tabs 3/4" wide x 1 3/4" long with female snaps. Bartacked 2" up from bottom edge on inside. (1 on inseam 1 on outseam)

Detailed Description / Specification

Meets Requirements?

Pant Options

Yes | No

Pant options listed below, if any

Liner Inspection System

Yes | No

There shall be an opening located on the pant liner system to the right side of the waist separating the thermal barrier and moisture barrier, approximately 10" in length. This opening will provide the ability to completely invert the pant liner to properly view the integrity of the entire liner system. There shall be a piece of 1" x 3" FR loop sewn to the moisture barrier 3" over from beginning of opening and a corresponding piece of 1" x 3" FR hook sewn to the inside of the outer shell to ensure proper alignment when installing the liner system into the outer shell. This Liner Inspection System is completely hidden when the liner is properly installed into the outer shell.

Pant Pockets

Yes | No

Pant pocket specifications listed below

Turn-Out Pockets

Yes | No

9" wide x 10" deep outside full bellows pockets that expand by means of side and bottom gussets to a thickness of 2" in front and back.

Pockets shall be fully lined with KEVLAR® twill on all 4 sides inside pocket.

Pocket and flap shall be set with stitch 301, seam Ssb-2 with the top and bottom pocket corners and top corners of flap reinforced with bar tacks for additional strength. Drainage of moisture to be provided by brass eyelets.

Pocket flaps shall be 10" x 5".

A hook and loop fastener closure system shall be set with 2" x 9" loop fastener horizontally on the pocket and three pieces of 1" x 3" hook fastener vertically on the underside of the flap.

Item Location for Above

Yes | No

Shall be located on the left thigh.

Turn-Out Pockets

Yes | No

9" wide x 10" high, outside full bellows pockets that expand by means of side and bottom gussets to a thickness of 2" in front and back.

Pockets shall be fully lined with KEVLAR® twill on all 4 sides inside of pocket; There shall be two additional layers of KEVLAR® lined self-fabric on the shell side inside the pocket. First layer 6.5" high, second layer 4.5" high. Both layers stitched in 3" increments to create six tool compartments.

Pocket and flap shall be set with stitch 301, seam Ssb-2 with the top and bottom pocket corners and top corners of flap reinforced with bar tacks for additional strength. Drainage of moisture is to be provided by brass eyelets.

Pocket flaps shall be 5" x 10"

Detailed Description / Specification

Meets Requirements? _____

A hook and loop fastener closure system shall be set with 2" x 9" loop fastener horizontally on the pocket and three pieces of 1.5" x 3" hook fastener vertically on the underside of the flap.

Item Location for Above

Shall be located on the right thigh.

Yes No

Suspenders

Yes No

SCOPE

A highly engineered 40" red suspender designed for greater range of mobility and reduced stress allowing for three points of attachment to V-Force™ Highback pants with hook and loop in back and snap attachment in front.

DESIGN

Two 12" front pull straps shall be constructed as follows: 2" wide elastic polyester webbing shall be fed through 2" metal loops and secured with a two-needle lock-stitch at one end. A black military finish steel double dee ring shall be fed through the webbing. The other end of the webbing shall be fed through a 2" wide thermo-plastic dee ring and secured with a two-needle lock-stitch. The dee ring shall function as a pull strap for easily adjusting the suspenders for proper fit.

Two 1" shoulder straps shall be constructed as follows: 2" wide elastic polyester webbing shall be fed through the top half of the steel double dee ring and secured with a two-needle lock-stitch. The top of each strap shall be secured to the V-shaped shoulder pad with two-needle lock-stitch and two 42-stitch bartacks. Two 6" back straps made of 2" wide elastic webbing shall be joined with two-needle lock-stitch at the bottom of each V-shaped shoulder pad. The end of each back strap shall be single-needle lock-stitch to a 8" wide by 4" high hook and loop panel for securing to V-Force back panel.

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

PROTECTIVE HOOD

Yes No

The structural firefighting protective hood will meet the latest standards of NFPA 1971, and should provide the highest THL performance available.

GLOVES

Yes No

The structural firefighting gloves will meet the latest standard of NFPA 1971. They will be of the gauntlet type. There will be six (6) sizes available (X-small, small, medium, large, X-large, and XX-large). The glove will be the Pro-Tech 8 Titan firefighting glove.

PRICING AND DELIVERY

Yes No

Delivery will be within 60 days of order placement for normal stock, and special order (size) items, and within 4 weeks for requests for new hires. Loaner gear will be provided at no charge, as needed, for contamination, down time, repair and new hires within 3-5 business days.

All pricing must include freight and delivery charges. Pricing will be the same regardless of number of sets ordered, or the size of such sets. All sizing will be performed by the vendor at no cost to the Department.

Janesville® V-Force® Coats



The best technology from combat and sports clothing applied to turnouts

V-Force® Coats

Just as NASA technology advancements were transitioned into ground breaking protective clothing improvements in the 1970s, Janesville's V-Force® turnout gear has embraced innovations from today's military and sports clothing. The result is an intricate set of turnout gear that is designed to flex and bend like the human body. No other turnout can compare.

Maximum Comfort — the Difference Is in the Details

The V-Force® Coat is more comfortable than common firefighting coats because of its unique design. The seams are not at the shoulders and sides, but at the back. This significantly reduces hem rise when you're extending your arms. It also prevents SCBA straps from pushing seams into your body and causing discomfort. Fitted side panels provide a more tailored fit and better mobility.

The contoured collar provides outstanding thermal protection. There is also a split collar option for additional comfort.

Natural Arm Movement

The contoured raglan sleeves have a natural shaping. This combines with the V-Fit™ Elbow to promote free and easy movement. The elbow is made up of cutouts, shaped pieces and darts. This reduces bunching and the overall working weight of the coat.

The elbow reinforcements are notched to give you superior thermal and moisture protection without impeding movement. The coats cuffs extend over the back of your hand for additional thermal protection when reaching or pulling.

Reduced Working Weight

No detail has been overlooked. The collar and throat tab (optional) are angled for comfort and to interface perfectly with your SCBA mask. The streamlined storm flap reduces thermal buildup and the coat's working weight.

V-Force® Coat Styles



V-Force® Bi-Swing Coat delivers the ultimate in comfort and free and easy movement by combining the breakthrough mobility features of the standard V-Force® Coat with a bi-swing back.

The bi-swing back has an inverted pleat in both the outer shell and thermal barrier. It expands as your arms move forward. There's no tugging or binding at the shoulder. When your arms return to a natural position, the pleat closes so there's no bunching of material.



V-Force® Coat has an innovative cut that delivers comfort and mobility. Fitted side panels for a tailored feel and enhanced mobility. Contoured raglan sleeves are shaped like the human arm so they bend like your arm with no pulling or binding. V-Notch® elbow reinforcements keep heat and moisture out, but won't bunch in the fold of your elbow. Contoured collar and shaped throat tab (optional) comfortably interface with your SCBA mask.

3M Scotchlite™
Reflective Material

DuPont™
Nomex

DuPont™
Kevlar

Janesville® V-Force® Pants

Now with three great choices

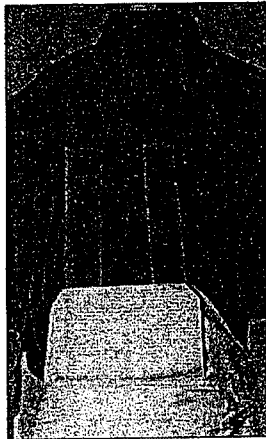


Advanced Design Delivers Superior Comfort and Mobility

All V-Force® Pants share the superior V-Fit™ Design that reduces bunching of materials in the crotch and delivers the best overall fit of any turnout pants available.

The legs are contoured to match the body and also reduce working weight. The knees are an intricate design of cutouts, shaped pieces and darts to enable free and easy movement. You'll especially notice this when crawling and bending. Nine inches of Semper Dri™ in the lower legs repels water to keep your pants dry and the working weight low.

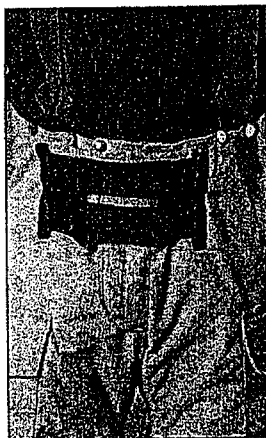
V-Force® Pants Styles



V-Force® High-Back Pants provide the ultimate in thermal protection. A five-inch back panel extends above the waist. A unique Velcro® support pad attaches Lion's V-Back™ Suspenders to the pants. Snap tabs fasten the suspenders to the front (V-Back™ High-Back Suspenders are required).



V-Force® Belted Pants have a traditional waist with belt loops; a two-inch Kevlar® belt with thermoplastic, quick release buckle and suspender buttons to give you the option of using the belt alone or adding suspenders.



V-Force® Lumbar Pants have a traditional waist and feature the Lion Lumbar Support System. This system is integrated into the V-Force® and is orthopedically designed to provide adjustable mechanical support when you're lifting, bending forward, standing or performing emergency rescues.

DuPont™ **Nomex.** | DuPont™ **Kevlar.**

HOW LONG IS USEFUL LIFE?

- NFPA 1971 performance requirements are based on new, unworn Garments and Composites. Useful life varies depending on Garment materials selected, conditions of wear, maintenance, and storage, but is normally 3 to 5 years.
- Garments more than seven (7) years old and made to earlier versions of the NFPA Standard are highly likely to have exceeded their useful life and must be retired!

17. LIMITED WARRANTY INFORMATION

Lion Apparel warrants that its fire fighter and emergency responder Garments meet all applicable NFPA standards in effect at the time of their manufacture and further warrants that such products are free from any defect in workmanship or any patent material defect.

Conditions of use are outside the control of Lion Apparel. It is the responsibility of the user to inspect and maintain the products to assure they remain fit for their intended purpose. In order to maximize the useful life of these products and maintain the warranty, the products are to be used only by appropriately trained personnel following proper fire fighting or emergency response techniques and in accordance with the product's warning, use, inspection, maintenance, care, storage, and retirement instructions. Failure to do so will void the warranty.

EXCEPT AS SET FORTH ABOVE, LION APPAREL MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR USE.

Under the above warranties, Lion Apparel will repair or replace, at its option, any product which does not meet the above warranties. Such repair or replacement will be the purchaser's sole remedy and Lion Apparel will not be responsible for any incidental, consequential, or other damages based upon or arising in any way from any breach of the warranties contained herein or the purchaser's use of such product.

These warranty obligations apply only to any product, part, or component which Lion Apparel agrees to be defective as covered by this warranty and is returned to a designated Lion Apparel facility with prior authorization and proof of purchase.

The word "product" includes the product itself and any parts or labor furnished by Lion Apparel with the sales, delivery, or servicing of the product.

USEFUL LIFE: NFPA 1971 performance requirements are based on new, unworn Garments and Composites. Useful life is the period of time that NFPA 1971 Compliant Garments, which have been

properly cared for, can be expected to provide reasonable limited protection. The useful life of a Garment will vary according to type and frequency of use, the weight, and type of materials used in the Garment. Useful life is normally 3 to 5 years, depending on the conditions of wear, maintenance, and storage. Useful life is highly unlikely to be more than 7 years. Garments more than 7 years old and made to earlier versions of NFPA Standards are highly likely to have exceeded their useful life and must be retired! A Garment should be retired when the costs of repair would exceed 50% of the replacement cost.

DEFECTS IN WORKMANSHIP AND MATERIALS: Defects in Workmanship and Materials means poorly manufactured seams, stitching, or components (for example, loose or broken seams; zippers or snaps that fall off or do not function properly); and fabrics which have such flaws as holes, uneven spots, weak areas, pilling, or other flaws caused by irregularities in their manufacture.

EXCEPTIONS TO LIMITED WARRANTY

This limited warranty does not cover the following items after receipt of garments by end user:

- A. Claims made after 60 days from the date of shipment for damage to fabrics;
- B. Damage or color change from exposure of materials to ultraviolet light;
- C. Shade variations among textiles used or change to shell fabrics caused by wear and tear;
- D. Color loss due to abrasion (creases, folds, pleats, edges, collar points, etc.);
- E. Damage caused by improper washing, disinfecting or maintenance (for example, use of chlorine or petrochemicals to clean);
- F. Damage caused by repair work not performed to factory specification;
- G. Damage from routine exposure to common hazards which may cause rips, tears, burn damage, or abrasion;
- H. Loss of retroreflectivity of reflective trim due to normal wear or heat exposure;
- I. Detachment of reflective trim due to thread abrasion or heat exposure;
- J. Replacement of zippers worn partially sealed, or damaged by heavy wear and tear;
- K. Loss of buttons, snaps, or cuff hem seams.





ISO 9001:2008 Registered

Style: PAC II
Model# 50



DESIGN – TWO PIECE with NOTCHED SHOULDER

HEAD DESIGN

LAYERS: 2 ply
LENGTH: From top of head to neck: 13 inches
WIDTH: Back seam to top of face: 9 inches
Back seam to bottom of head: 11 inches

BIB DESIGN

LAYERS: 2 ply
LENGTH: 8 inches (front and back)
NOTCHED SHOULDER DESIGN:
From top of head to bottom of notched shoulder: 15 inches

OVERALL HOOD LENGTH:

From top of head to bottom of apron: 21 inches

SIZING:

One size fits all (universal size). Do not modify, change, or alter your protective hood in any manner.

RELAXED:

5 inches (UL requirement 4.7-5.7 inches)
Face opening is sewn with 1/2 inch elastic.

FACE OPENING MEASUREMENTS

STRETCHED: 15 inches

SEAMS:

All seams are merrow stitched then top and bottom covered with a 5-thread cover stitch for extended durability. All bottom edges are bound with binding.

CONSTRUCTION

THREAD:

100% Nomex®

CLEANING AND STORAGE

Hoods maintain protective properties after machine washing.

- Machine wash only using regular detergent
- Water temperature not to exceed 130° F
- Do not use chlorine bleach or detergents containing chlorine
- Do not use fabric softeners or detergents containing fabric softeners
- Do not wring hood to dry. Squeeze hood to remove excess water.
- Shape and lay flat in a dry, cool, shaded location to dry.
- Or Tumble dry, low heat.
- Do not commercially dry clean.
- Do not store your hood in direct sunlight.

WARRANTY INFORMATION

Your protective hood is warranted to be free from defects in material or workmanship for one year. This warranty does not cover normal wear or unusual exposures. This warranty is in lieu of all other warranties, expressed or implied, including but not limited to, implied warranties of marketability and / or fitness for a particular purpose. Repair or replacement for breach of this warranty shall be the exclusive remedy available. Majestic Fire Apparel, Inc. shall not be liable for incidental or consequential damages.

CERTIFICATION

Meets or exceeds NFPA 1971-2007 Edition and is UL Certified. Meets or exceeds Cal/OSHA Standards.

All weights and measurements are approximate.

P.O. Box 248 • Leighton, PA • 18235

Phone: 610-377-6273 • Fax: 610-377-6221

EMAIL: cs@mailhoods.com • Website: www.majhoods.com



ISO 9001:2008 Registered

Material: P-84[®]

MATERIAL	CONTENT	CONSTRUCTION	WEIGHT	COLOR(s)
P-84 [®]	40% P-84 [®] / 55% Lenzing FR [®] / 5% Kevlar	1 x 1 Circular Knit	Approx. 8.2 oz. / sq. yd.	Yellow (Standard), also Red, Navy Blue, Black, and Grey

TEST RESULTS FROM UNDERWRITERS LABORATORIES

	P-84 [®] TEST RESULT	NFPA 1971 REQUIREMENT
TPP (THERMAL PROTECTIVE PERFORMANCE)	23.4	Minimum: 20
MATERIAL BURST STRENGTH	521.6 N (118.2 lbf)	Minimum: 225 N (51 lbf)
CLEANING SHRINKAGE	within tolerance	Maximum 5 % (+ or -)
SEAM BREAKING STRENGTH	1018.3 N (230.9 lbf)	Minimum: 181 N (41 lbf)

+ = Grows - = Shrinks

CERTIFICATIONS

P-84 material is 2nd level electric ARC rated = ATPV = 22.9 cal/cm² (double ply material) – in accordance with ASTM International Standard Test Method F1959-1999.

All weights and measurements are approximate.

CARE

Machine wash warm with regular detergent – no chlorine bleach
Tumble dry low heat
DO NOT commercially dry clean

P.O. Box 248 • Lehighton, PA • 18235
Phone: 610-377-6273 • Fax: 610-377-6221
E-mail: cs@majesticfireapparel.com • Website: www.majesticfireapparel.com
HOODS AND MORE

PRO-TECH 8 TITAN



PRO-TECH 8 TITAN



PRO-TECH 8 TITAN KANGAROO LEATHER

Structural Firefighting Glove Compliant and Certified to NFPA 1971-2007 Edition

Design Features Unique To Pro-Tech 8 TITAN

- Advanced multi thin-layer design provides repetitive thermal protection + cut/puncture resistance. This unique design also allows the glove to dry faster and stay soft over time.
- Flexible 7 layer knuckle guard system protects your most vulnerable area to reduce and eliminate steam burns and cuts in the location that competitor gloves largely ignore.
- 5 varied layering schemes enhances protection specifically where needed which is the key to superior dexterity.
- The ring and middle finger's suede are cut and sewn independently for enhanced dexterity.
- Intricate stitching down of the outer palm layer prevents bunching up of material and promotes the most efficient grip.
- The glove inner liner is sewn in at each fingertip and also bonded for maximum retention and efficient wet don and doff.
- Unlike competitor gloves the TITAN Long Cuff wristlet style extends actual glove body rather than using outdated knit wristlets that offer less protection and lose shape over time.
- Long Cuff model uses Kevlar™ wrapped debris blocker inside cuff edge.
- Fully Knitted 100% Nomex™ inner liner.
- DOUBLE layer breathable polymer liner for liquid/bloodborne pathogen resistance.
- Pro-Tech 8 TITAN K model with high performance fire retardant water repellant Kangaroo leather provides maximum durability.

Clear Advantages of the Pro-Tech 8 TITAN

- Top rated Thermal Protective Properties highlighted by average TPP 74 at the knuckle guard.
- Recognized industry leader in enhanced dexterity.
- Highest Grip Test score for NFPA 1971 standard life saving.
- Extreme light weight design does not sacrifice maximum thermal protection and cut/puncture resistance.
- Official glove of the Firefighter Combat Challenge.



183 Madison Ave. Suite 1416 New York, NY 10016 Tel: 1-866-491-TECH Fax: 1-212-481-2487
info@techtradellc.com www.techtradellc.com