



***50190 Specifications***  
***Pant, Kevlar Advance (Green, Navy, Khaki or Yellow)***

**I. Material and Components**

- A. Southern Mills, Inc. (UL Recognized QGVD2.MH15180)
  - 1. Advance 7 oz. Beam Dyed w/ Shelltite (Green, Navy, Khaki or Yellow)
- B. YKK (U.S.A.) Inc. (UL Recognized QGVD2.MH15184)
  - 1. Hook and Loop 1" FR Nylon, Black
    - a. Meet requirements of A-A-55126, Fastener Tapes, Hook and Pile, Synthetic
  - 2. Brass Zippers with Nomex tape styles MG, Black
    - a. Meet requirements of V-F-106F, *Fasteners, Slide Interlocking*
- C. Saunders Thread, Co. (UL Recognized, QGVD2.MH14954)
  - 1. Thread Spun Kevlar, Tex 70, Natural
    - a. Made of inherently flame resistant fiber
- D. American & Efirid Inc. (UL Recognized, QGVD2.MH15000)
  - 1. Thread, Nomex, Tex 80, Olive Green, Navy or Khaki
    - a. Made of inherently flame resistant fiber
- E. 3M, Co. (UL Recognized, QGVG2.MH14882)
  - 1. Optional Reflective 3" Trim Scotchlite, LY/Silver/LY or RO/Silver/RO
- F. John Howard, Co.
  - 1. Elastic, 2" Black
- G. Custom Metal Crafters
  - 1. Rectangle Ring 1" N.P. Stanseal coated
- H. Stimpson Co., Inc.
  - 1. Brass Snaps
    - a. Meet requirements of MS 27980F, *Fasteners, Snap, Style 2*, of *Fasteners, Snap, MIL-F-10884G*

**II. Construction**

- A. Manufactured in the U.S.A.
- B. All stitching is a minimum of 6 ½ stitches per inch
- C. Major seam allowance of minimum ¾" and minor seam allowance of minimum ¼"
- D. All seams double stitched
- E. All zippers reinforced with triple stitches
- F. Outer leg seams, pockets, pocket flaps, fly and crotch double top stitched
- G. Pockets, pocket flaps, belt loops, hook & loop tabs, fly and crotch bar tacked

**III. Design**

- A. All measurements are in accordance with the minimum sizing requirements of NFPA 1977 Standard on Protective Clothing and Equipment for Wildland Fire Fighting 2005 Edition
  - 1. Full cut to allow freedom of movement in all aspects
  - 2. Available in even numbered waist sizes 28 through 56 and even numbered leg lengths 28 through 36
- B. All design requirements comply with NFPA 1977 Standard on Protective Clothing and Equipment for Wildland Fire Fighting 2005 Edition
  - 1. 2" elastic waistband with six belt loops
  - 2. Zipper fly with snap closure
  - 3. Interior zipper flap to prevent direct contact with the wearer's body
  - 4. Front slash pockets, deep



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5. Rear pockets with hook and loop closure flap
6. Fatigue style pockets 8" x 9" with hook and loop closure flap
7. Leg cuffs have closure system with adjustable hook and loop, providing a snug fit around the ankle while wearing boots

**IV. Labeling**

A. Sew in labeling

1. Following statement is printed on label:  
"THIS WILDLAND FIRE-FIGHTING PROTECTIVE GARMENT MEETS THE GARMENT REQUIREMENT OF NFPA 1977, STANDARD ON PROTECTIVE CLOTHING AND EQUIPMENT FOR WILDLAND FIRE FIGHTING 2005 EDITION."
2. Manufacturer's name, address and country of manufacture
3. Manufacturer's garment style, identification number, size and lot number
4. Month and year of manufacture
5. Garment materials and percent content
6. Cleaning precautions
7. Following statement is printed on label:  
"DO NOT REMOVE THIS LABEL"

B. Hangtag labeling

1. Pre use information
2. Preparation for use
3. Inspection
4. Donning and doffing
5. Following statement is printed on label:  
Proper use consistent with NFPA 1500, Standard on Fire Department Occupational Safety and Health Program, and Title 29, Code of Federal Regulations, Part 1910.132, "Personal Protective Equipment"
6. Maintenance and cleaning
7. Disposal



CASCADE FIRE EQUIPMENT COMPANY  
REGISTERED TO ISO9001:2000  
FILE NUMBER A12427

Our facility has been Registered by Underwriters Laboratories Inc. to the International Organization for Standardization ISO 9000 Series Standards for Quality.