



# 2011 FR Clothing Program Catalog



*Created: December 7, 2010*

I:\Safety\FRC Clothing\Arc Flash Clothing Program\Clothing  
Catalogs\2011 CEA FR Catalog - Ops & Generation.doc

# Table of Contents

<u>Description</u>	<u>Page</u>
<i>Shirts</i>	
FRK293 – <u>Carhartt</u> Long Sleeve Henley (6.5 oz. material)	4
FRK294 – <u>Carhartt</u> Long Sleeve T-Shirt (6.5 oz. material)	5
FRK295 – <u>Carhartt</u> Long Sleeve Mock Turtleneck (6.5 oz. material)	6
FRS160 – <u>Carhartt</u> Button Down Twill Shirt with Pocket Flaps (7 oz. material)	7
TX231US7 – <u>Big Bill</u> Indura Ultra Soft Button Down Work Shirt (7 oz. material)	8
147BDUS7 – <u>Big Bill</u> Indura Ultra Soft Button Down Dress Shirt (7 oz. material)	9
FRK296 – <u>Carhartt</u> Hooded Zippered Sweatshirt (10 oz. material)	10
DW16S11 – <u>Big Bill</u> Hooded Pullover Sweatshirt (11 oz. material)	11
DW15S11 – <u>Big Bill</u> Crewneck Sweatshirt (11 oz. material)	12
– <u>Polartec Power Dry</u> Heavyweight Long Sleeve Shirt	13
<i>Pants</i>	
FRB159 – <u>Carhartt</u> Canvas Jean (8.5 oz. material)	14
FRB13 – <u>Carhartt</u> Denim Dungaree (11.75 oz. material)	15
FRB229 – <u>Carhartt</u> Duck Dungaree (13 oz. material)	16
FRB160 – <u>Carhartt</u> Denim Jean (14.5 oz. material)	17
FRB194 – <u>Carhartt</u> Quilt-Lined Canvas Waist Overall (8.5 oz. material)	18
DF700-704 <u>DragonFur</u> Nomex, Exxtreme Pants (8.2 oz. material)	19
FRB240 – <u>Carhartt</u> Cargo Pant (8.5 oz. material)	20
DFB1 – <u>Power Grid</u> FR Undergarment	21

## *Vest*

FRV036 – Carhartt Quilt-Lined Duck Vest (13 oz. material) 22

### ***Bib Overalls***

FRR45 – Carhartt Duck Bib Overall - Unlined (13 oz. material) 23

FRR44 – Carhartt Quilt-Lined Duck Bib Overall (13 oz. material) 24

CV071 – Korbana Arctic Insulated Bib Overall (6 oz. material) 25

OW12 – Korbana Indura Ultra Soft Bib Overall (9 oz. material) 26

### ***Coveralls***

FRX007 – Carhartt Canvas Coverall – Unlined (8.5 oz. material) 27

CO623805 – Korbana Numeric Coverall - Indura Ultra Soft (9 oz. material) 28

### ***Rain Gear***

1503J / 1501T – NASCO ArcLite 1500 Series Jacket and Bib Trouser 29

### ***Jackets***

DF500-508 DragonFur Nomex, Exxtreme Jacket (8.2 oz. material) 30

JB55 – Korbana Arctic Bomber Jacket - NOMEX IIIA (6 oz. material) 31

JLJ8 – Bulwark Lined Bomber Jacket – EXCEL FR ComforTouch (7 oz. material) 32

LNL6 – Bulwark Fleece-Sleeved Jacket Liner - NOMEX IIIA (7.6 oz. material) 33

### ***FR Accessories***

HH03 – Korbana Hardhat Liner 34

HNB2NA – Bulwark NOMEX IIIA Balaclava (14 oz. material) 35

HNB2NA – FR High Vis Vest 36

### ***New Item***

***No Longer Available***

**Carhartt - ATPV 9.8 (HRC 2)**



**Style # - FRK293 [Specification Sheet Item 3]**

Flame-Resistant Long-Sleeve Henley - 6.5-ounce FR knit: a blend of 55% modacrylic and 45% cotton

- Rib-knit collar and cuffs
- Three-button front with melamine buttons
- Side-seamed construction minimizes twisting
- Left-chest pocket with Carhartt label.
- Carhartt FR and HRC 2 labels sewn on left-chest pocket

COLORS: Dark Navy, Light Gray

## **Carhartt - ATPV 9.8 (HRC 2)**



### **Style # - FRK294** [*Specification Sheet Item 4*]

Flame-Resistant Long-Sleeve T-Shirt - 6.5-ounce FR knit: a blend of 55% modacrylic and 45% cotton

- Rib-knit collar and cuffs
- Side-seamed construction minimizes twisting
- Left-chest pocket with Carhartt label.
- Carhartt FR and HRC 2 labels sewn on left-chest pocket

COLORS: Dark Navy, Light Gray, Orange

## **Carhartt - ATPV 9.8 (HRC 2)**



### **Style # - FRK295** [*Specification Sheet Item 19*]

Flame-Resistant Long-Sleeve Mock Turtleneck - 6.5-ounce FR knit: a blend of 55% modacrylic and 45% cotton

- Rib-knit mock turtleneck collar and cuffs
- Side-seamed construction minimizes twisting
- Carhartt label sewn on left arm
- Carhartt FR and HRC 2 labels

COLORS: Dark Navy, Light Gray

## **Carhartt – ATPV 8.6 (HRC 2)**



### **Style # - FRS160 [Specification Sheet Item 5]**

Flame-Resistant Twill Shirt with Pocket Flaps - 7-ounce, FR twill: a blend of 88% cotton and 12% high-tenacity nylon.

- Two chest pockets with flaps and button closures.
- Extended sleeve plackets with two-button adjustable cuffs.
- FR melamine buttons.
- Button-down collar band with button closure.
- Triple-stitched main seams.
- Shaped shirttail.

COLORS: Dark Navy, Khaki, Medium Blue, Gray

## **Big Bill – ATPV 8.7 (HRC 2)**



### **Style # - TX231US7** [*Specification Sheet Item 6*]

- Flame resistant 88% cotton and 12% high tenacity nylon – 7-ounce Indura Ultra Soft work shirt
- Shirt collar (no band collar).
- Front with 7-button thru closure.
- 2 chest pockets with flaps & button closure (pencil division on left pocket).
- Double back yoke.
- 1 piece top stitch cuff with button closure.
- Nomex high tenacity flame resistant thread on all stitching.
- Bar-tacked at all stress points.
- Guaranteed flame resistance for the life of the garment.

COLORS: Navy, Khaki, Light Blue, Royal Blue

## **Big Bill – ATPV 8.7 (HRC 2)**



### **Style # - 147BDUS7** [*Specification Sheet Item 25*]

- Flame resistant 88% cotton and 12% high tenacity nylon – 7-ounce Indura Ultra Soft dress shirt
- 1-piece top stitched cuffs with button closure.
- Placket front with button closure.
- Banded collar with pelon.
- Button down collar.
- Full cut.
- Double back yoke.
- Hemmed bottom.
- 2-chest pockets with flaps and button closure (pencil division on left pocket).
- Bar-tacked at all stress points.

COLORS: Navy, Red, Khaki, Light Blue, Royal Blue

## **Carhartt – ATPV 18.5 (HRC 2)**



### **Style # - FRK296 [Specification Sheet Item 7]**

Flame-Resistant Hooded Zip-Front Sweatshirt - 10-ounce FR knit: a blend of 55% modacrylic and 45% cotton

- Attached hood with draw cord closure
- Brass front zipper with Nomex® zipper tape plus interior and exterior storm flaps
- Two front hand-warmer pockets
- Carhartt label sewn on pocket
- Carhartt FR and HRC 2 labels sewn on left pocket

COLORS: Dark Navy, Orange

## **Big Bill– EBT 21.8 (HRC 2)**

**DW16S11**



### **Style # - DW16S11 [Specification Sheet Item 8]**

- INDURA® Ultra Soft® Fleece Hooded Sweatshirt
- Flame Resistant 11 oz. Indura® Ultra Soft® 88% cotton and 12% high tenacity nylon fleece
- Sewn with Nomex® Thread
- Adjustable hood with FR string

COLORS: Navy, Orange

## **Big Bill – EBT 21.8 (HRC 2)**



### **Style # - DW15S11 [Specification Sheet Item 20]**

- INDURA® Ultra Soft® Crewneck Sweatshirt
- Flame Resistant 11 oz. Indura® Ultra Soft® 88% cotton and 12% high tenacity nylon fleece
- Sewn with Nomex® Thread

COLORS: Navy, Orange

## **Power Dry – EBT 8.1 (HRC 2)**



### **Style # - [Specification Sheet Item 21]**

- Flat-lock seam construction for comfort
- Patented bi-component construction keeps skin dry when you sweat
- Fabric stretch ensures perfect fit
- Highly breathable
- Protection HRC2, Arc Rating 8.1 cal/cm2

Polartec® Power Dry® FR Fabric - 70% Modacrylic, 15% Lenzing FR, 15% Rayon

COLORS: Navy Blue

## **Carhartt - ATPV 12.1 (HRC 2)**



### **Style # - FRB159** *[Specification Sheet Item 9]*

- 8.5-ounce, midweight, flame-resistant canvas
- 19-inch leg opening

Carhartt flame-resistant loose fit midweight canvas jean is great for warmer weather.

Made of 8.5-ounce flame-resistant canvas, 88% cotton and 12% high-tenacity nylon blend

It has a loose seat and thigh and sits slightly below the natural waist for a comfortable fit.

The brass zipper fly has Nomex® zipper tape and the high-tension waist snap closure is arc resistant.

It also has a cell phone pocket, utility pocket, left leg hammer loop, and triple-stitched main seams.

19-inch leg openings that fit over work boots.

COLORS: Dark Navy, Golden Khaki

## **Carhartt - ATPV 15.2 (HRC 2)**



### **Style # - FRB13 [Specification Sheet Item 10)**

- Sits below waist
- 19" leg openings fit over work boots

Carhartt's flame-resistant denim dungaree, flame-resistant protection in a high-quality jean that is built to last.

Made of 11.75-ounce, midweight, flame-resistant denim, 100% cotton.

Sits below the waist and has a full seat and thigh.

Features an arc-resistant high-tension snap closure at the waist, and a brass zipper fly with Nomex<sup>®</sup> zipper tape.

19-inch leg openings to fit over work boots.

COLOR: Denim

## **Carhartt - ATPV 16 (HRC 2)**



### **Style # - FRB229 [Specification Sheet Item 11]**

- 13-ounce, heavyweight, 100% cotton flame-resistant duck
- Arc-resistant high-tension snap closure at waist

Carhartt's flame-resistant duck work dungaree is made of 13-ounce, 100% cotton flame-resistant duck.

It has a full seat and thigh, multiple tool and utility pockets and hammer loop.

It also features an arc-resistant high-tension snap closure at waist, bass zipper fly with Nomex® zipper tape, two reinforced back pockets, and triple-stitched main seams.

19-inch leg openings to fit over work boots.

COLOR: Carhartt Brown

## **Carhartt - ATPV 25 (HRC 3)**



### **Style # - FRB160 [Specification Sheet Item 13]**

- 14.5-ounce, heavyweight, flame-resistant denim
- 17-inch leg openings

Carhartt's flame-resistant relaxed fit denim jean is as comfortable as it is durable.

Made of 14.5-ounce denim, 88% cotton and 12% high-tenacity nylon blend, it's pre-washed for softness.

It has a relaxed seat and thigh to give you plenty of comfort.

The brass zipper fly features protective Nomex® zipper tape and the high-tension snap closure at the waist is arc-resistant.

17-inch leg openings fit over work boots.

COLOR: Denim

## **Carhartt - ATPV 33.5 (HRC 3)**



### **Style # - FRB194 [Specification Sheet Item 14]**

Flame-Resistant Midweight Canvas Waist Overall / Quilt Lined - FR 8.5-ounce canvas: 88% cotton and 12% high-tenacity nylon

- FR twill face-cloth lining quilted to midweight modacrylic insulation
- Sits slightly below the natural waist
- Full seat and thighs
- Ankle-to-thigh leg zippers with Nomex® FR zipper tape
- Inner and outer leg-zipper flaps with arc-resistant snap closures
- Chap-style double-front enhances durability
- Double knees with cleanout openings to accommodate kneepads
- Reinforced leg-bottom kick panels
- Two reinforced back pockets
- Triple stitched main seams
- Carhartt FR label sewn on back pocket, HRC 3 label sewn on front waistband

COLORS: Carhartt Brown, Dark Navy

**EXXTREME™ PANTS**  
**ARC Rating (ATPV) - 17.3 c/cm<sup>2</sup> (HRC 2)**



---

**EXXTREME™ PANTS**

**Style # - See below** [*Specification Sheet Item 24*]

- DF700: Small
- DF701: Medium
- DF702: Large
- DF703: XLarge
- DF704: 2XLarge

- Rip-Stop Nomex reinforced seat and knees
- Same type of fleece as Exxtreme Jacket
- Water and wind-resistant
- 2 Hand warmer pockets
- Full length side zippers for easy on/off, even with boots
- Special loops allow the pants to be secured to flight suits
- Made in USA

COLOR: Navy

## **Big Bill - ATPV 12.1 (HRC 2)**



### **Style # - FRB240 [Specification Sheet Item 23]**

- Carhartt FRB240 Flame Resistant Canvas Cargo Pant. 8.5 ounce FR canvas: a blend of 88% cotton and 12% high tenacity nylon. Sits slightly below the natural waist. Full seat and thighs. Arc resistant button closure at waist. Brass zipper fly with Nomex FR zipper tape. Two large side cargo pockets with pen slots. Two reinforced back pockets. Leg openings fit over boots. Triple stitched main seams. Carhartt FR label sewn on back pocket, HRC 2 label sewn on waistband. NFPA 70E and NFPA 2112 compliant. Flame resistant fabric by Mount Vernon Millst.

COLOR: Navy

## **DragonFur - ATPV 5.9 (HRC 1)**



### **Style # - DFB1** [*Specification Sheet Item 12*]

Power Grid™ FR pants provide maximum warmth to help you cope with the most extreme cold. These garments are constructed of Power Grid™ 4-way stretch fabric that offers enhanced comfort and range of motion. The unique grid construction maximizes warmth, minimizes weight, and improves breathability. Must be worn under outer FR clothing.

- Durable smooth jersey face slides easily beneath pants
- Durable elastic waistband and functional fly
- Excellent stretch, warmth, wicking and breathability
- High/Low interior grid structure enhances airflow and dry time
- **Protection HRC1, Arc Rating 5.9 cal/cm<sup>2</sup>**

Available in XS-5XL, tall also available

COLOR: Navy

## **Carhartt - ATPV 56.3 (HRC 4)**



### **Style # - FRV036 [Specification Sheet Item 15]**

- 13-ounce, 100% cotton flame-resistant duck
- Quilt-lined

Carhartt's flame-resistant duck vest is quilt-lined for cooler days.

Made of 13-ounce, 100% cotton flame-resistant duck with a 10.5-ounce, flame-resistant quilt lining.

It has an inside patch pocket with a hook-and-loop closure, kidney flap and a Nomex® rib-knit collar.

It also features a brass front zipper with Nomex® zipper tape and inside/outside protective flaps with a hidden snap closure for electric arc protection.

COLOR: Carhartt Brown

## **Carhartt - ATPV 16 (HRC 2)**



### **Style # - FRR45** [*Specification Sheet Item 16*]

- 13-ounce, heavyweight, flame-resistant 100% cotton duck
- Unlined

Carhartt's flame-resistant duck bib overall is unlined for comfort in warmer weather.

Made of 13-ounce, flame-resistant 100% cotton duck.

It features high back with flame-resistant elastic suspenders and high temperature nylon center-release buckles.

It also has a chap-style double front for durability, multiple tool and utility pockets, hammer loop, ankle-to-mid-thigh brass leg zippers with Nomex® zipper tape, flame-resistant melamine button at waist and protective flaps and arc-resistant snap closures.

COLOR: Carhartt Brown

## **Carhartt - ATPV 56.3 (HRC 4)**



### **Style # - FRR44 [Specification Sheet Item 17]**

- 13-ounce, heavyweight, flame-resistant 100% cotton duck
- Quilt-lined

Carhartt's flame-resistant duck bib overall adds warmth to your workwear.

Made of 13-ounce, flame-resistant 100% cotton duck.

It features a quilt lining, a high back with flame-resistant elastic suspenders and high temperature nylon center-release buckles.

It also has a chap-style double front for durability, flame-resistant melamine button at waist, multiple tool and utility pockets, hammer loop, ankle-to-mid-thigh brass leg zippers with Nomex® zipper tape and protective flaps and arc-resistant snap closures.

COLOR: Carhartt Brown

## **Korbana – ATPV 63.2 (HRC 4)**



### **Style # - CV071 [Specification Sheet Item 22]**

- 6-ounce Nomex IIIA Flame-Resistant Arctic Insulated Bib Overalls

#### Features:

- Front 2-way zipper closure with guard
- Left side breast radio pocket with elastic top and reinforced bottom
- Two lower bellow pockets with flap closure
- Double reinforced knees
- Heavy 2-way leg zippers
- 2" yellow/silver/yellow reflective stripes running vertically down the legs
- Adjustable shoulder straps
- Elastic at back waist line
- Two back pockets with velcro closure
- Tool pocket
- Tab closures at bottom of legs
- Inside pocket with flap closure

COLOR: Navy

## **Korbana – ATPV 11.1 (HRC 2)**



### **Style # - OW12 [Specification Sheet Item 26]**

- 9 oz. Indura Ultra Soft Flame Resistant Bib Overalls

#### Features:

- 88% cotton and 12% nylon.
- High back with elastic suspenders and high temperature nylon release buckles.
- Large front bib pocket.
- Double knee for durability and increased thermal performance.
- Reinforced back pockets.
- Button Fly access.
- Right and left leg tool pockets.
- Left leg hammer loop.

COLOR: Navy

## **Carhartt - ATPV 13.7 (HRC 2)**



### **Style # - FRX007 [Specification Sheet Item 18]**

- Men's Flame-Resistant Midweight Canvas Coverall / Unlined
- 8.5-ounce FR canvas: a blend of 88% cotton and 12% high-tenacity nylon

Carhartt's flame-resistant midweight canvas coverall has all the hard-working features you expect from Carhartt.

Made of a flame-resistant 88% cotton / 12% high-tenacity nylon blend.

It has flame-resistant melamine buttons, a heavy-duty brass front zipper with Nomex® zipper tape and an inside and outside protective flap.

The split back with bi-swing and pleated elbows allow freedom of movement and exceptional comfort.

For functionality, it has a 23-inch leg opening to fit over work boots, a left chest tradesman pocket, right chest pocket, two pass-through pockets, a left sleeve pen pocket and multiple tool and utility pockets.

COLORS: Dark Navy, Golden Khaki

## **Korbana – ATPV 12.4 (HRC 2)**



### **Style # - CO623805 [Specification Sheet Item 32]**

- 9-ounce Indura Ultra Soft Flame-Resistant Coverall / Unlined

Korbana's FR coveralls features:

- Two breast pockets, left with flap and snap closure and pencil slot
- Two inset front pockets with snap pass through opening at sides
- Two back patch pockets left with snap closure
- Right leg tool pocket
- Left leg hammer loop
- Left sleeve pencil pocket
- Back pleats for ease of movement
- Hidden snaps over (break away) zipper closure
- Lay down collar

COLOR: Navy

## NASCO – ATPV 7 (HRC 1)



### ArcLite 1500 Series [*Specification Sheet Items 1 & 2*]

- **1503J** - Waist length jacket, 3 piece hood-in-collar, two pockets with Velcro® closure, non-conductive zipper front with dual over flies and snaps, Nomex® mesh vented cape back, fall protection access, Velcro® tab type wrist adjusters, 3M 2" reflective trim around chest, over-shoulder harness, around biceps and around hood, ANSI 107 Class 3 Level 2 compliant.
- **1501T** - Bib style trouser with quick release suspender system, fly front with snap, Velcro® tab type leg cuff adjusters, 3M 2" reflective trim around calves and knees, ANSI 107 Class 3 Level 2 compliant.
  - Arc and Flame Resistance
    - Does Not Melt, Drip, Ignite, or Break Open
    - Minimizes Heat Transfer Burns
  - Waterproof
  - Lightweight
  - Soft, Flexible
  - Designed by Linemen
  - Limited Chemical Splash Resistance

COLOR: Fluorescent Lime Yellow

**DragonFur Exxtreme Jacket - ATPV 17.3 (HRC 2)**  
**Takes 2 Clothing Allowance Units**



---

**EXXTREME™ JACKET**

**Style # - See below** [*Specification Sheet Item 33*]

DF500: Small  
DF501: Medium  
DF502: Large  
DF503: XL  
DF504: 2XL  
DF505: 3XL  
DF508: Xsmall

DF506: 4XL (special cut)  
DF507: 5XL (special cut)  
Tall and women's sizing available.

- Rip-Stop Nomex® reinforcing patches
- Pit-Zip armpit ventilation and large zip chest pocket
- Two zippered hand warmer pockets
- Two large inside cargo pockets
- Full-length zip front with stand-up collar
- Drop-tail rear hem for increased coverage
- Stuff sack for highly compressible pack

COLOR: Navy

## **Korbana - ATPV 65 (HRC 4)**



### **Style # - JB55** [*Specification Sheet Item 29*]

- 6-ounce Nomex IIIA Flame-Resistant Arctic Bomber Jacket

#### Features:

- Front zipper closure with inside zipper guard
- Right breast pocket with velcro flap closure and pencil slot (4 ½" x 6" mesh pocket sewn on top)
- Left breast radio pocket with reinforcement and elastic top
- 2 large two-way patch pockets with velcro closure lower front
- Side elastic at waist
- Knit cuffs
- Stand-up collar with un-insulated hood that zips into collar
- 2 inside lower cargo pockets with elastic top
- 2 inside top pockets with elastic top

COLOR: Navy

## **Bulwark - ATPV 30.4 (HRC 3)**



### **Style # - JLJ8 [Specification Sheet Item 34]**

- Outer Shell: EXCEL FR™ ComforTouch™ Flame-resistant 7 oz. Twill, 88% Cotton / 12% Nylon, Water-repellant
- Liner: EXCEL FR™ Flame-resistant 7 oz. Cotton

#### Features:

- Separating, heavy-duty, Nomex® taped brass zipper, fully covered with two-layer storm flap, concealed snap closure
- Two-layer stand-up collar
- Hemmed sleeve ends with concealed snap closure
- Two large external patch pockets with concealed snap closure, with hand warmer, one inside chest pocket
- Deep-pleated action back
- Full tunneled elasticized waistband
- Inside zipper guards on all zippers

COLOR: Royal Blue

## **Bulwark – EBT 17.0 (HRC 2)**



### **Style # - LNL6** [*Specification Sheet Item 35*]

- Flame-resistant, 7.6 oz. Nomex® IIIA Fleece (93% Nomex® Aramid / 5% Kevlar® Aramid / 2% Other Fiber)

#### Features:

- Four concealed snap, front-fly closures
- Hemmed sleeve ends
- One interior chest pocket
- Two exterior slash diagonal pockets

COLOR: Navy

## **Korbana - ATPV 32.2 (HRC 3)**



### **Style # - HH03 [Specification Sheet Item 30]**

- 88% cotton and 12% nylon, modacrylic blend

Korbana's flame-resistant hardhat liner is one size fits all:

- Insulated with drawstring
- Pull around face and Velcro closure at neck
- Back velcro pocket holds detachable mouthpiece

COLOR: Red

## **Bulwark - ATPV 26 (HRC 3)**



### **Style # - HNB2NA [Specification Sheet Item 31]**

- 14-ounce, double layer, Nomex IIIA knit

Bulwark's flame-resistant knit balaclava features an extra long neck cowl with finished edges.

COLOR: White (Natural)

## **FR Hi-Vis Woven Vest - ATPV 5.5 (HRC 1)**



### **Style # - VOOHV \_ \_ 2Z [Specification Sheet Item 37]**

FR Hi-Vis Woven Vest Features:

- 5.5 oz. Yellow FR Modacrylic hi-vis woven
- Arc Rating/Ebt = 5.5 cal/cm<sup>2</sup>
- 2" reflective striping
- Available with plastic Vislon® front zipper or FR hook and loop closure
- Inner left chest pocket

Complies with:

- ANSI/ISEA 107-2004 Class 2 or Class 3
- NFPA 70E - 2009
- ASTM 1506-02a
- OSHA 29 CFR 1910.269

**Page intentionally blank**