



## 1. Scope

This specification covers the requirements for the District's Flame-Resistant Rain-gear Bib Overalls.

## 2. Reference Standards

Unless otherwise stated in this specification, the bibs shall comply with the latest revisions of the following Standards:

### Industry Standards

**AATCC 22** Water Repellency

**AATCC 35** Water Resistance

**AATCC 127** Hydrostatic Pressure

**AATCC 8, 15, 61, 107, 133** Color Fastness

**ANSI/ISEA 107** American National Standard for High-Visibility Safety Apparel and Head-wear

**ASTM F1868** Standard Test Method for Thermal and Evaporative Resistance of Clothing Materials Using a Sweating Hot Plate

**ASTM F1506** Standard Performance Specification for Flame Resistant Textile Material for Wearing Apparel for Use by Electrical Workers Exposed to Momentary Electric Arc and Related Thermal Hazards

**ASTM F1891** Standard Specification for Arc and Flame Resistant Rain-wear

**ASTM F1959** Standard Test Method for Determining the Arc Rating of Materials for Clothing

**ASTM F1930** Standard Test Method for Evaluation of Flame Resistant Clothing for Protection Against Flash Fire using an Instrumented Mannequin

**ASTM F2733** Standard Specification for Flame Resistant Rain-wear for Protection Against Flame Hazards

**ASTM E96 / E96M** Standard Test Methods for Water Vapor Transmission of Materials (Breathability)

**ASTM E1164** Color Determination (After 40X Xenon)

**NFPA 70E** Standard for Electrical Safety in the Workplace

## 3. General Requirements

Bib overalls shall be in compliance with Performance Class E high visibility background and retro-reflective material standards as listed in the latest revision of ANSI/ISEA 107.

### 3.1 Style

The bib overalls shall be chest high overall type with a full front opening fly.

### 3.2 Fabric

The fabric shall be an 8.3 oz, fast drying, lightweight, breathable, waterproof, and wind resistant GORE PYRAD fabric technology. Fabric shall be Fire Resistant in compliance with referenced NFPA and ASTM standards.

### 3.3 Alterations

Alterations shall be defined as Short, Double-Short, Tall, and Double-Tall.

Short sizes will shorten pant length by 2". Double-Short sizes will shorten pant length by 4". Tall sizes will add 2" to the pant length. Double-Tall sizes will add 4" to the pant length.

The manufacturer shall alter pant based on District specifications provided at the time of order.

### 3.4 Closure

The bib overalls shall have a snap fly tab closure at the opening.

### 3.5 Color

The bib overalls shall be Hi-Viz Yellow/ Black in color.

### 3.6 Suspenders

The bib overalls shall have an adjustable suspender system with heavy duty quick release connectors.

### 3.7 Legs

Each leg shall have a boot-access covered zip closure to the knee, a 1-way YKK heavy-duty zipper, full length triple storm flap, and a Velcro closure to secure flap.

### 3.8 Retro-reflective Film

The bib overalls shall have three 2" segmented silver retro-reflective film strips made of 3M Scotchlite FR segmented silver reflective trim on each leg. One stripe shall be located above the knee and two below the knee and above the ankle.

### 3.9 Pockets

The bib overalls shall have one pocket on the front chest area. Pocket shall include a top flap with Velcro closures. The bib overalls shall also have a tool pocket on the side of one leg above the knee.

### 3.10 Care Labeling

Bibs shall have care marking and laundry labeling in compliance with ASTM Labeling Requirements and Items 10 and 11 of ANSI/ISEA 107 sewn into the inside of the upper back of the chest area.

## 4. Material ID Numbers

This specification applies to the following District Material ID Numbers:

Material ID	Size		Material ID	Size
500386	SM		500408	XL Tall
500430	SM Short		500348	2X
500431	SM Tall		500440	2X Short
500345	MD		500441	2X Tall
500432	MD Short		500349	3X
500433	MD Tall		500442	3X Short
500346	LG		500494	3X Double Short
500434	LG Short		500443	3X Tall

<b>Material ID</b>	<b>Size</b>		<b>Material ID</b>	<b>Size</b>
500435	LG Tall		500390	4X
500347	XL		500444	4X Short
500407	XL Short		500445	4X Tall

## 5. Packaging

Each set of bibs shall be individually packaged in a clear plastic bag with size labeling shown for shipping and storage.