

**COMMUNITY HIGH SCHOOL DISTRICT #218**  
**10701 S. Kilpatrick Avenue**  
**Oak Lawn, IL 60453**

**Bid # 1452**  
**December 5, 2014**

**BAND UNI FORMS FOR HAROLD L. RI CHARDS HIGH SCHOOL – BID # 1452**

**INSTRUCTIONS:**

The Board of Education for Community High School District # 218 will receive bids for Band Uniforms for Harold L. Richards High School per bid specifications, until 10:00 a.m. on Tuesday, January 6, 2015 at which time they will be opened and publicly read aloud.

Bids are to be enclosed in a sealed envelope clearly marked **“Sealed Bid – HLR Band Uniform Bid # 1452, due 10:00 a.m. Tuesday, January 6, 2015”** in the lower left-hand corner of the envelope and should be addressed to:

Community High School District # 218  
Administrative Center – Attn: Ilsa Richardella  
10701 South Kilpatrick Avenue  
Oak Lawn, Illinois 60453

The Board of Education reserves the right to reject any or all bids and to waive irregularities, in whole or in part, or to accept in whole or in part, the bid which serves in the best interest of Community High School District # 218. A contract will be awarded only after a formal notice is given to a vendor as determined by the Board of Education. The Board of Education reserves the right to waive any and all bid formalities.

All bidders shall submit a non-collusion affidavit with their bid as per the enclosed form.

**CONDI TIONS:**

1. The Board of Education is exempt from Federal Excise Taxes and the Illinois Retailers Occupation or Use Taxes.
2. All bids should be submitted on the attached bid form.
3. Any deviation from bid specifications must be documented on the enclosed Deviation Form. It is the intent of the school for the uniform to be manufactured strictly adhering to these construction and design specifications and deviations are not expected. If deviations are not documented fully, the bidder may be disqualified.

It is the intention of the buyer to offer equal opportunity to all bidders. The use of company names when referring to styles are for descriptive purposes only and are not intended to be restrictive. Materials and items referred to in these specifications are available to all firms.

4. The reputation of the manufacturer and representative, over-all appearance, style and fit of the uniform, quality of trims and accessories, plus special features a particular manufacturer may have that make the uniform more practical or serviceable will be major factors in awarding the contract. Right is reserved by the buyer to accept or reject any or all proposals and waive informalities.
5. All bidders must submit an exact sample uniform with their bid. This sample uniform must be in the same color as the uniform being proposed; it should reflect the exact style, and must reflect the tailoring details as would be found in the uniform being proposed and of the uniform which would be furnished if awarded the contract. Where special construction features are specified, these must be furnished with the bid showing the manufacturer's version of the feature. All major items being proposed must have a sample presented for comparison. It is to be completely understood that it is the intent of the buyer to have all items examined carefully and compared by persons conversant with the quality for evaluation of internal components.

All bidders must submit liberal sized swatches of the materials to be used in the final product in the color and mill-weight listed in the Uniform Specifications.

6. Bidder must agree to provide a factory trained representative to handle all details of the order. Representative will be responsible for designing, measuring and servicing the order throughout the initial purchase and on a continuing basis. Bidders must list name, address and telephone number of representative.
7. Successful bidder will supply a booklet containing a printout showing each uniform in sequence from smallest size to largest. The printout will indicate wearer identification number, original wearer and key measurements of uniform, i.e. height, weight, hat, chest, waist and outseam. The successful bidder will also supply recommended cleaning instructions for the uniforms and all accessory items, specifying precise details on care and cleaning that are to be utilized in future upkeep and maintenance of the items in this bid.
8. Each uniform is to be thoroughly inspected before shipment. Imperfections shall be corrected before the uniforms are shipped. Uniforms are to be shipped complete with hangers (plastic) in containers. Each wardrobe container shall be marked on exterior to indicate the wearer number of each uniform enclosed. The uniforms will be ready to wear without cleaning or pressing. In the case of damaged shipment, it shall be the responsibility of the receiver to make an appropriate written notice when signing the carrier documents. The receiver shall inventory the damaged and advise the uniform manufacturer in detail. Accessories such as sashes, drops, etc., as well as trousers, will be bulk packed unless otherwise specified.
9. Bidders shall comply with regulations established by the Equal Employment Opportunity Clause and the Illinois Fair Employment Practices Act and the amendment to the Illinois Human Rights Act covering sexual harassment policies.
10. If bidder is currently involved in any litigation, or has been involved in any litigation of the past twenty-four (24) months, with a customer or supplier, it must be documented on the attached Litigation Disclosure Form.
11. No bid shall be withdrawn without the consent of the School Board for a period of 90 days subsequent to the opening of the bid.

12. No employee of Community High School District #218 is to be extended any form of gratuity in connection with this bid.
13. In accordance with Illinois law, once the bids have been opened, such bids may not be modified in any way without written approval of Community High School District #218. All bidders will be bound by any and all math calculations, misquotes of any kind. Once the bid has been accepted, it may not be modified or rescinded without the approval of Community High School District #218.

Sincerely,

  
\_\_\_\_\_  
Dr. John Byrne  
Superintendent of Schools

## NON COLUSION AFFIDAVIT

**BID NAME:** Harold L. Richards High School Band Uniforms

**BID NUMBER:** # 1452

The bidder listed below swears on his/ her oath:

- A) That he/ she has not in any way, directly or indirectly, entered into any arrangement or agreement with any other bidder, or with any Administrator or member of the Board of Education of Community High School District 218, in order to lessen or restrain free completion in the letting of this contract.
- B) This bid has not been knowingly disclosed, and will not be knowingly disclosed, prior to the opening of the bids for this project to any other bidder, competitor or potential competitor;
- C) No attempt has been made to induce any other person, partnership or corporation to submit or not to submit a bid.
- D) The person signing this bid certifies that he has fully informed himself regarding the accuracy of the statements contained in this certification, and under the penalties being applicable to the bidder as well as to the person signing in its behalf.

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Title/ Date

Vendor Name: \_\_\_\_\_

Vendor Address: \_\_\_\_\_

\_\_\_\_\_

## **DEVIATION FORM**

**Note:** The Buyer will not accept the general statement:

“ALL UNIFORMS WILL BE CONSTRUCTED USING OUR STANDARD MANUFACTURING PROCEDURES WHICH ARE EQUAL TO, IF NOT BETTER THAN, THOSE CALLED FOR IN THE SPECIFICATIONS.”

Any, and all, deviations in construction **MUST** be documented below. Any bid submitted without the detailed deviation documentation will be rejected.

Does your uniform deviate from attached specifications?

\_\_\_\_\_ **YES**

\_\_\_\_\_ **NO**

If yes, indicate below any and all deviations from the specifications:

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AUTHORIZED SIGNATURE

## **LITIGATION DISCLOSURE FORM**

If your company is currently involved in any litigation, or has been involved in any litigation over the past twenty-four (24) months, with a customer or supplier, it must be documented below. Any bid submitted without the detailed litigation documentation will be rejected.

***Has your company been involved in litigation with a customer or supplier over the last twenty-four (24) months?***

\_\_\_\_\_ YES

\_\_\_\_\_ NO

***If “yes”, complete the below information for each such litigation:***

### ***CUSTOMER LITIGATION:***

Customer Name	City	State	Reason for Litigation

### ***SUPPLIER LITIGATION:***

Supplier Name	City	State	Reason for Litigation

The person signing this bid certifies the accuracy of the statements contained in the Litigation Disclosure Form:

\_\_\_\_\_  
**COMPANY SUBMITTING BID**

\_\_\_\_\_  
**AUTHORIZED SIGNATURE**

\_\_\_\_\_  
**TITLE**

COMMUNITY HIGH SCHOOL DISTRICT #218  
BID #1452  
HLR Band Uniform Bid Form

**THIS FORM MUST BE RETURNED WITH YOUR BID**

**Completed form must be received by 10:00 a.m., Tuesday, January 6, 2015**

I have reviewed the specifications and information provided and propose to supply this bid:

**BIDDER INFORMATION:**

Vendor Name \_\_\_\_\_

Vendor Address \_\_\_\_\_

Vendor Phone \_\_\_\_\_

Vendor Fax \_\_\_\_\_

Bid Prepared By \_\_\_\_\_

Authorized Signature \_\_\_\_\_ Date \_\_\_\_\_

Item	Description	Quantity	Unit Price	Extended Price
1	Shako	130		
2	Plume	130		
3	Coat	130		
4	Jumpsuit	130		
5	Shoulder Drape	130		
6	Shako Case	130		
7	Drum Major Shako	5		
8	Drum Major Plume	5		
9	Drum Major Coat	5		
10	Drum Major Jumpsuit	5		
11	Drum Major Shoulder Drape	5		
12	Drum Major Shako Case	5		
13	Guard Uniforms	25		
14	Garment Bags	160		
15	Plume Case	3		
16	Custom Banner	1		
	<b>TOTAL BASE BID AMOUNT:</b>			

F.O.B. Destination  
Freight Included

Prepayment Discount Rate \_\_\_\_\_ %

Total Prepayment Discount \$ \_\_\_\_\_

**Net Bid After Discount** \$ \_\_\_\_\_

(To receive prepayment discount, payment MUST be submitted with order)

**TERMS:**

If awarded the contract, we agree to ship a sample uniform within \_\_\_\_\_ days and to ship the entire order within approximately \_\_\_\_\_ calendar days after approval of sample and receipt of necessary details and measurements.

## SHAKO CONSTRUCTION SPECIFICATIONS

### 1. GENERAL

It is important that the shakos be made by the manufacturer of the uniforms. This will insure that all the manufacturer's quality control practices will be followed. The practices include (but are not limited to), workmanship consistent with uniform, fabric matching, and timely delivery.

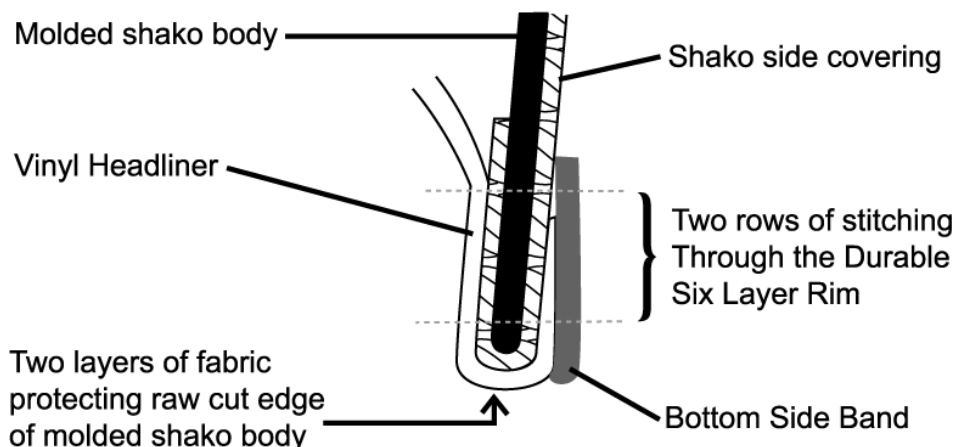
### 2. BODY

- A. Shako body is vacuum-formed high impact styrene .135" gauge white plastic and has high rubber content to prevent cracking. Body is pliable and flexible to conform to wearer's head, in an "oval" shape, rather than circular or round.
- B. There is a separate shell size for each head size.
- C. Each hat has a clear ident-a-peek pocket in the inside top with the size imprinted in ¼" letters for ease of issue. Each ident-a-peek contains a card to identify the wearer. A size sticker is also applied to the inside top.

### 3. COVERING

- A. The fabric side covering is pulled down to the bottom edge of the shako body, then turned back 1 ½" up inside the shell. Two rows of stitching secures the side covering to the molded shell. One row is polycore poly wrap thread, lock stitched. The second row is Telex 135 poly tex thread, also lock stitched. This sewing operation extends all around the entire bottom edge of the molded shako body.
- B. The two rows of stitching described in section A above, secure a total of six layers for maximum durability. These layers, from the outside to inside, are: BOTTOM SIDE BAND, VINYL HEADLINER, SIDE COVERING, MOLDED SHAKO BODY, SIDE COVERING TURNBACK and VINYL HEADLINER TURNBACK.

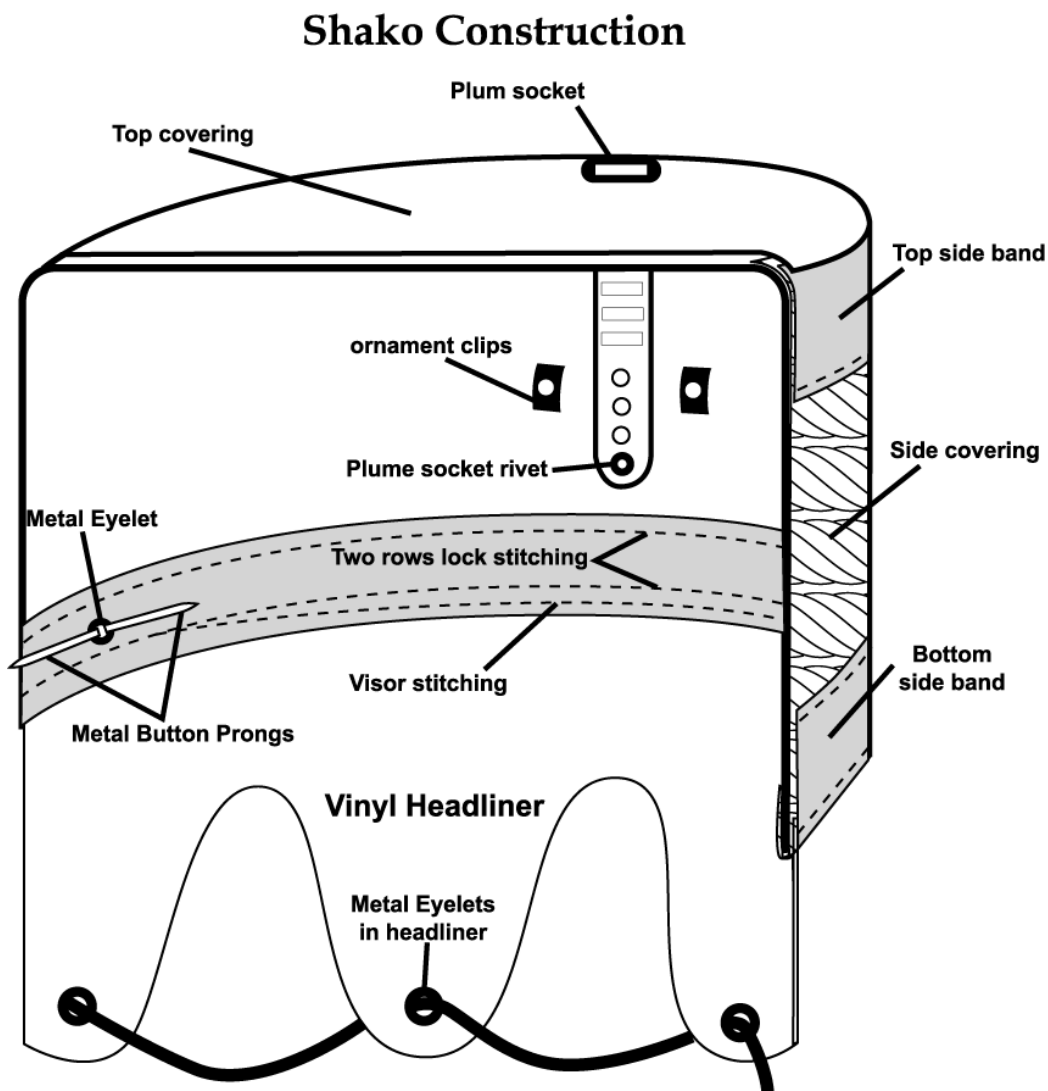
### Shako Cross Section





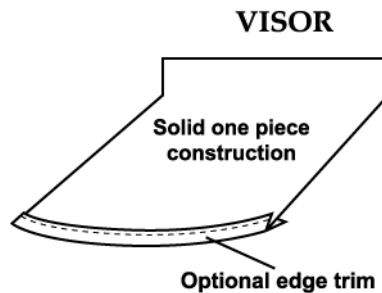
#### 4. HEADLINER AND SPECIAL FEATURES

- A. Headliner shall be cotton backed, expanded vinyl with embossed finish. There are six scallops with metal eyelets to receive drawstring for adjustability.
- B. Headliner is turned and sewn with a lockstitch in such a manner to allow for adjustability.
- C. Headliner extends around the bottom edge of the plastic body, and stitched through. This results in two layers of material (outer fabric and vinyl headliner) to secure and protect the bottom edge of the shako shell body.
- D. There is a metal eyelet on each side of the hat body where the button prong passes through plastic.
- E. High density polyethylene plume sockets are included and riveted to the body.
- F. A metal spacer is used to affix the front chain to each side button.



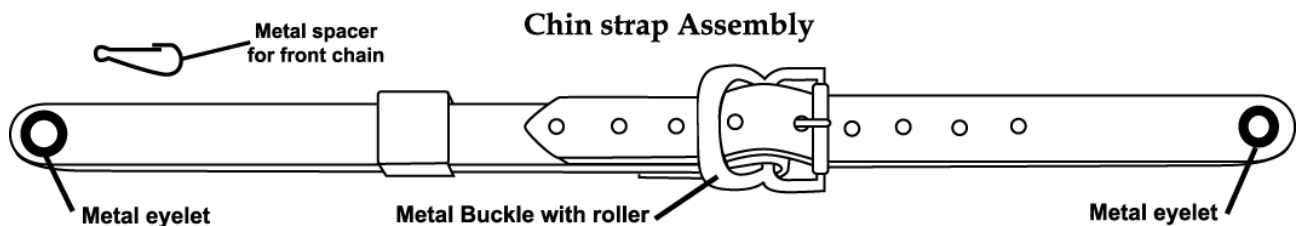
## 5. VISOR

- A. Visor is non-breakable one-piece plastic, not laminated. It is secured to the shako body with lock-stitch safety sewing.
- B. Visor color is molded through entire body of visor. The material is an engineering grade copolymer with low-temperature toughness, stain proof, fade and discoloration proof, impervious to ultraviolet light (sunlight).



## 6. CHINSTRAP

- A. Chinstrap is  $\frac{3}{4}$ " pliable plastic with metal buckle and roller, and has a  $\frac{1}{2}$ " keeper.
- B. There are metal eyelets at chinstrap ends where button attaches (to prevent strap from being torn by button shank).
- D. There is a  $\frac{3}{4}$ " nickel-plated brass chinstrap hook at the rear of the shako, attached with a metal clip.



## 7. BUTTONS

- A. Side buttons are three-piece metal.
- B. Buttons consist of prongs, base plate, and face plate. Side buttons are metal with spread prongs. Plastic buttons are not acceptable.

## SHAKO, HELMET AND BAND ACCESSORY CARRY CASE SPECIFICATIONS

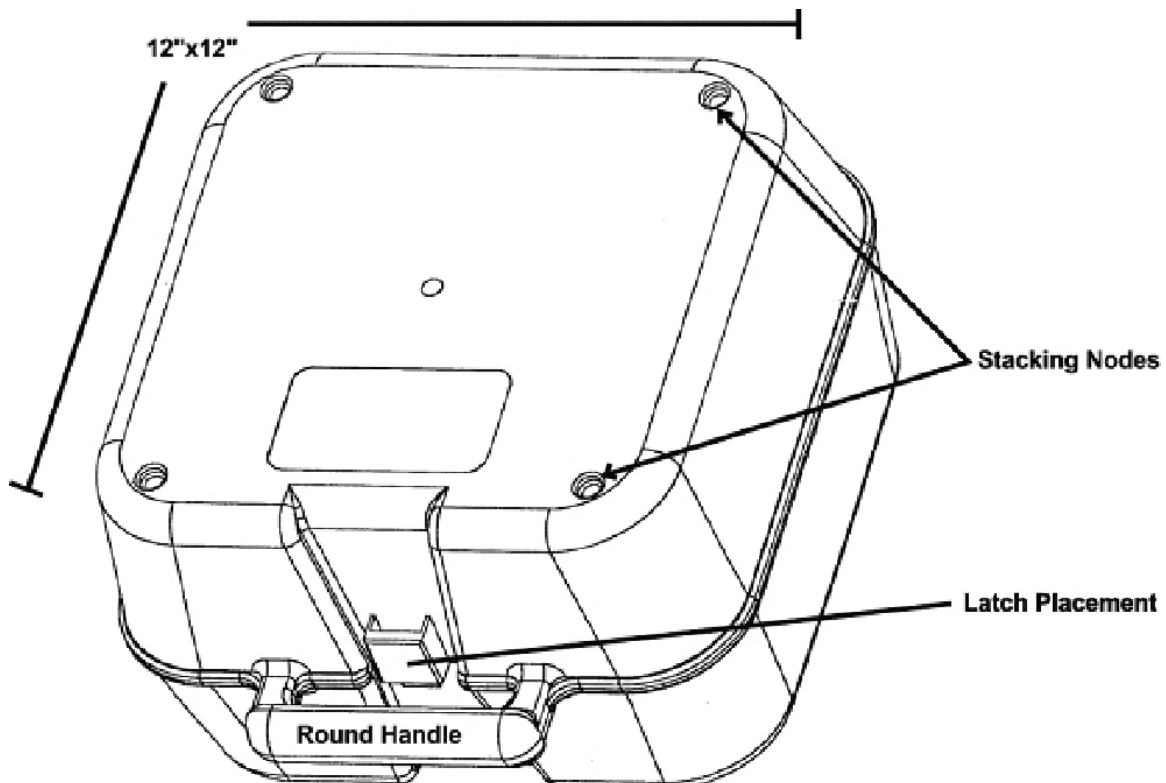
Headwear carry case is “Shako-Mate” or equivalent.

**MATERIAL:** High Impact Polystyrene. This material is heat resistant, which prevents melting, and cold resistant, which resists breakage due to the material becoming brittle.

**SIZE:** 12” by 12” to accommodate headgear and plume as well as various accessory items. Smaller boxes that prevent plume and accessories from being stored are not acceptable.

**HANDLE:** The handle is rounded with the latch placed behind the handle. Boxes with the handle on top, preventing ease in removal from stacked position, are unacceptable.

- A) Carry case has a pebble grain finish to compliment appearance and prevent scratching.
- B) Inside of box has reinforcement flanges to allow for stability, and aid in stacking when containers are stacked in open position.
- C) Carry case is stackable to allow for storage. Stacking nodes are to be on underside of container with receiving units on top.



## COAT SPECIFICATIONS

### 1. GENERAL

Due to the unique requirements of a band coat (relative to the number of different wearers, minimum care received, wearing conditions and life expectancy), special patterns, materials, design and construction methods must be applied. These specifications speak directly to the requirements of construction, which allow for professional washing OR dry cleaning of the garment.

### 2. PATTERNS

- A. Coat patterns are special band uniform patterns with additional “ease” to allow for freedom of movement, wearing of clothing underneath and the convenient re-issue from year-to-year. Fashion or standard patterns do not allow enough room. Merely up-grading to oversized patterns will result in an unsightly and cumbersome fit.
- B. Computer generated patterns will provide proper fit for all male and female band members, with no restrictions or limitations as to chest size. Likewise, sizes will be assigned in needed “lengths” from XXS through XXXL. Coats will be patterned for EACH even numbered chest size (ex. 38, 40, 42, etc.), rather than just generic S, M, L, etc.
- C. Patterns are to be marked and graded using a computerized system to insure accuracy and updated patterns.

### 3. SIZING

- A. Measurements will be taken under the direction of a factory-trained representative.
- B. Sizes are analyzed by a sizing computer system assigning the closest standard proportion size to each wearer in order to permit re-issuing in subsequent years and to provide a reasonable fit for the initial wearer.

### 4. FABRIC

- A. The shell fabric is Xtreme Dri polyester/synthetic, providing enhanced air permeability that differentiates it from generic polyester fabrics.
- B. Xtreme Dri lifts moisture away from the wearer, which keeps the body cooler in warm weather and warmer in cold weather. It is ***stain resistant, tear resistant, odor resistant, quick drying, colorfast, and will not pill***. Xtreme Dri is different than the standard polyesters that have been available to the band uniform industry, including, but not limited to 1933 (a.k.a. 4892), 420, 960, 6248, 4030 and 460. Standard polyester fabrics are not acceptable substitutes for Xtreme Dri.
- C. Since Xtreme Dri is a proprietary exclusive fabric, any vendor may bid on what they consider their best available polyester for the project. However, any and all deviations must be thoroughly documented.

## 5. **LINING**

- A. Coat linings are cut from a separate set of patterns designed to fit each specific coat size and style. Linings are not cut from coat shell patterns then cut down to try and fit.
- B. Linings are “FIRST” quality Aerocool polyester/taffeta 97GR/Yd, woven to absorb and evaporate moisture rapidly by capillary effect. The absorption, diffusion and evaporation system of this lining is designed to maintain cool body temperature and excellent comfort for the wearer.
- C. In coat styles that do not utilize a back zipper, the coat lining has a vertical pleat running up the center back. This allows fullness, fit and comfort to the overall performance of the coat.
- D. In the armhole area, the coat lining is machine stitched to an ensemble including the outer coat fabric, shoulder pad and sleevehead. Hand sewing or felling does not provide the durability required for armhole construction.
- E. Linings are sewn to the coat bottom edge, and reinforced with pre-shrunk tailoring tape. Straight cut long coats will have an additional ½” lining pleat all around the coat bottom.

## 6. **BRAID** (see #25-B)

Only first quality washable braid shall be used for trim. Braid trim ¼” or wider, is sewn down with two rows of stitching on looped trims as well as straight line. In addition, looped trim is reinforced with a layer of non-woven fabric, permanently bonded to the inside coat fabric surface to inhibit puckering tendencies.

## 7. **BUTTONS**

High-quality, rust resistant metal buttons shall be used where specified and they shall be attached by sewing, ring and washer or toggle and washer or tack-back. The buttons shall not alter the washable capabilities of the garment.

## 8. **BUTTONHOLES**

All coat buttonholes are made with a CUT-FIRST automatic buttonhole machine. The hole is cut first, the edges covered with gimp, then completely sewn to “close” the buttonhole. The buttonhole back is secured and closed with bartack reinforcement.



## 9. **ZIPPERS**

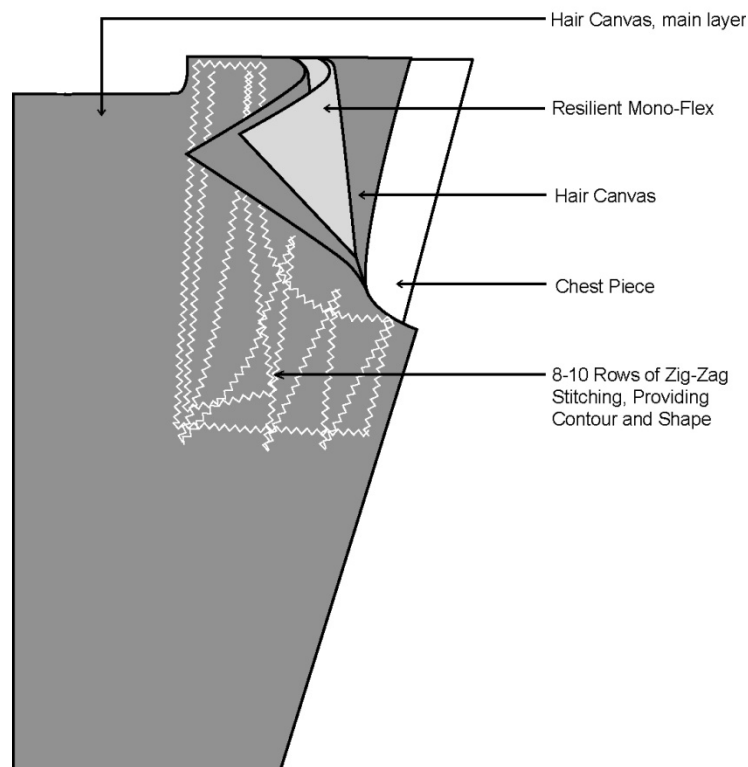
- A. The style is YKK, heavy duty of color matching VISLON. The zipper is auto-locking and has a “separating” feature for maintenance and durability.

- B. Zipper tapes are standard 9/16" width, sewn down with locked safety stitching and bar tacked at each end.

## 10. INTERLINING

- A. The interlining has optimum four-layer construction. More than four layers create stiffness in the coat fronts, resulting in difficult and uncomfortable arm lift maneuvers in marching bands. Less than four layers results in flimsy construction and therefore a rumpled appearance and reduced durability. In keeping with individual patterns for coat shell fabrics and the linings, higher quality control and an elevated level of haircloth quality is obtained by these multi-layered interlinings being patterned, cut and assembled "IN HOUSE" at the uniform manufacturer's facility. This basic construction practice enhances the fit and comfort of the individual uniform (as opposed to "making do" by purchasing these multilayered ensembles and cutting them down to fit the "hundreds" of patterns required for each coat style and chest size).

### Coat Front Interlining



Coat Diagram 1

- B. The main layer of the interlining is a Hymo haircloth. This "hair canvas" is a blend of polyester, viscose rayon and genuine natural hair, which gives it soft resilience. This

canvas is 100% washable with no shrinkage or loss of rigidity. The layer extends the complete length of the coat front, from shoulder seam down to the coat bottom.

- C. The second layer is a resilient 27.6% rayon/72.4% polyester canvas “MONO-FLEX” chest piece 4.2 oz in weight. Its dimensions are 6” wide x 6 ¾” long and extends downward from the upper chest area.
- D. The third layer is another piece of hair canvas (as per “B” above) 8” wide and 12” long, extending downward from the upper chest area, and completely covering the MONO-FLEX.
- E. The fourth layer is a ¼” thick padding of 3.6 ounce 100% polyester non-woven material that is soakable and non-shrinkable. This white chestpiece pad extends approximately 6” below the armhole.

**NOTE:** In white coats and other light color fabric shades, a piece of thin Poly-sil white curtain is added to prevent “shadowing” of the haircloth interlining through the outer coat fabric.

- F. This entire multilayered interliner shall be sewn together with a series of eight to ten rows (depending on chest size) of zig zag stitching spaced approximately 1” apart. This is the optimum number of rows as recommended by the garment industry standards. Too many rows will reduce the flexibility, comfort and fit. Too few rows will limit durability and lifetime.
- G. The interliner is then secured to the coat shell fabric and coat lining, in the neckhole, armhole, bottom front and along the coat closure edge. A tailoring tape of 100% PIMA cotton, triple cold water shrunk, is included in these seams for added durability. The interlining is NOT sewn into the shoulder seam, nor the side of the coat. This allows flexibility and “give” to the entire coat front construction.

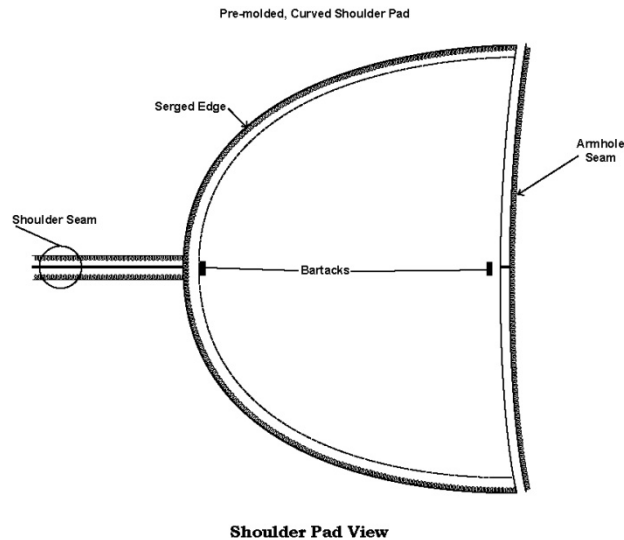
**NOTE:** The above construction is a time proven procedure. Under no circumstances are the haircloth and sewing operations to be substituted with a fusing or gluing operation.

## **11. ARMHOLES**

- A. Armholes shall be oval shaped and allow sleeve to be pitched forward 3-4 degrees to maximize comfort and ease of movement with minimum distortion to the coat.
- B. The armhole shall be reinforced with ¼” pre-shrunk cotton tape all around to prevent stretching in the armhole.
- C. The entire armhole shall employ machine lock stitching. Hand or machine “felling” will not be accepted.
- D. The underarm portion of the armhole will have a bi-swing gusset allowance that allows freedom of movement.

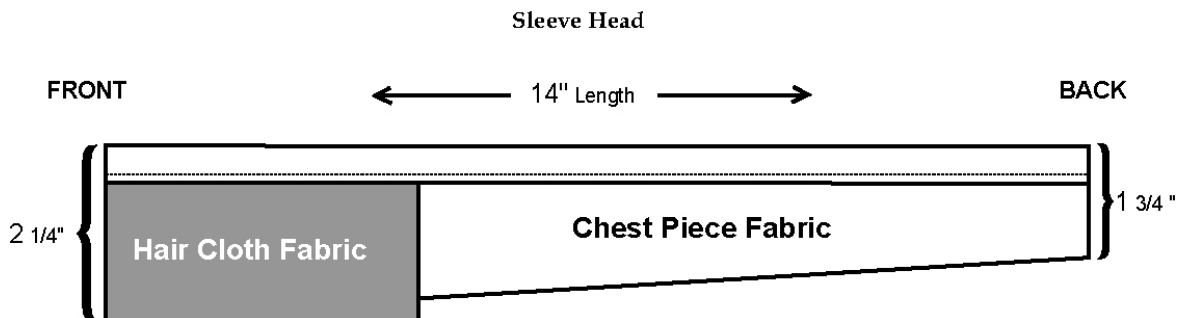
## 12. SHOULDER PADS

- A. Shoulder pads shall be high quality foam, covered all around with a lightweight polyester lining, serge stitched around the curvature of the pad and are washable or dry cleanable.
- B. Shoulder pad size shall be minimum of 5" x 9" on regular width coat styles.



## 13. SLEEVE HEADS

The sleevehead provides fullness and shape to the top of the sleeve as it is sewn to the coat body. It consists of a separate strip of material used for the white chest piece pad in the interlining (10E). The sleeve head has a length of 14" and is equally positioned over the shoulder, to the front and back of the upper sleeve seam. The finished width is 2 1/4" at lower front, and tapers to a 1 3/4" width at lower back. The construction consists of a 3/4" turnback on the armhole edge, and has a seam spaced 1/2" from the edge. Sewn into the lower front portion of the white pad strip, is a 2 1/2" x 4 1/2" piece of "haircloth" as described in the Interlining section (10B). The result of this "IN HOUSE" manufactured sleeve head is a substantially improved "body" in the entire sleeve/shoulder area, particularly when lettering or other embroidery trim is specified.





#### 14. SLEEVE STITCHING

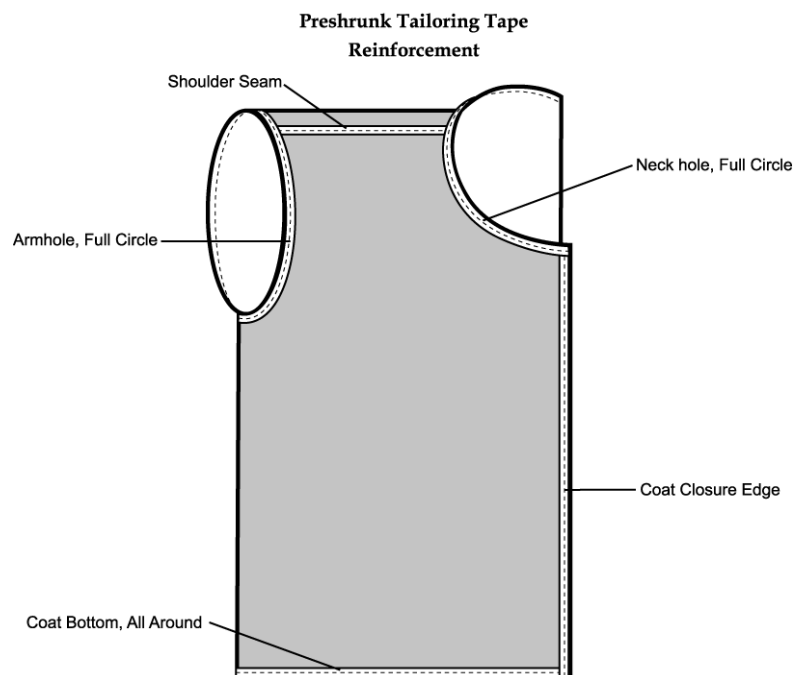
- A. Sleeves shall be set with machine lock stitch to insure proper distribution of fullness and durability.
- B. Fullness shall be sheered in by top-feed sewing machines.

#### 15. ARMHOLE LINING FINISH

- A. The bottom of the sleeve armhole shall be lock-stitched through two layers of lining, two layers of fabric and armshield.
- B. The top shall be sewn through the coat lining, sleeve fabric, sleeve head, shoulder pad and shoulder strap with lock stitching.
- C. The entire armhole has tailoring tape all around.
- D. “Felling” by hand or machine is not acceptable when closing the armhole.

#### 16. TAPING

- A. All seams in high stress areas are reinforced with tailoring tape to prevent stretching, and add durability to the seam. These tapes are pre-shrunk.
- B. Areas of this taping procedure include the following:
  - 1. All around the neck opening where collar joins the coat.
  - 2. Coat closure edges and completely around the bottom.
  - 3. Complete circumference of the armhole.
  - 4. Shoulder seams from collar (neck opening) to sleeve seam - except canopy coats.



## **17. POCKETS**

- A. All inside pockets shall be constructed with a pocket welter and shall be reinforced with a non-woven fabric.
- B. Pocketing material shall be 80/20 poly cotton, 100% poly fill, pre-cured finish, 3.05 YPP, 78/54 twill weave.
- C. Upper and lower welts of the inside breast pocket are to be 100% polyester material and pellon backed.
- D. Pocket bag shall be constructed on one piece of pocketing with no open seams at the bottom.
- E. There shall be a tack at each end of pocket opening through all layers of pocketing. Tacks shall be concealed.
- F. Pockets made of lining or lightweight material shall not be acceptable.

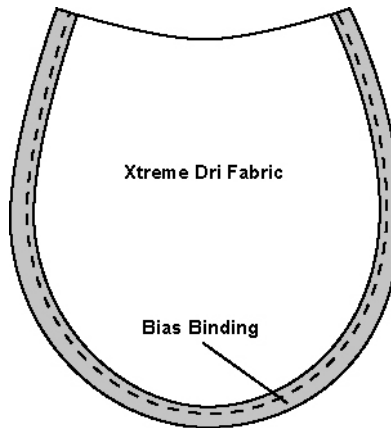
## **18. SLEEVES**

- A. Sleeves cuffs will have an approximate 4" turn up, which incorporates both the coat sleeve fabric and lining. This turn back includes a 3/8" binding at lower cuff edge.
- B. The forward and trailing sleeve seams in the 50/50 sleeve pattern are equipped with a series of gripper snap rings and post hardware. Two posts, spaced 1" apart, are applied to the lower sleeve cuff edge, at both seams in each sleeve. Six ring style fasteners are positioned starting 2 1/2" up from the cuff edge and are spaced 1" apart. Coats are shipped fully steam pressed, but without a crease at sleeve cuff bottoms.
- C. Sleeve cuffs with extensive cuff trim (appliques, inserts, looped braid designs, embroidery) are reinforced with non-woven material, bonded permanently to the inside of the coat fabric extending up toward the elbow area. This addition prevents puckering tendencies created by use of fabrics, braids, etc. which each have a different coefficient of stretching.
- D. Shoulder lettering and embroidered logo trim have a reinforced backing layer on the inside of the sleeve.

## **19. ARMSHIELDS**

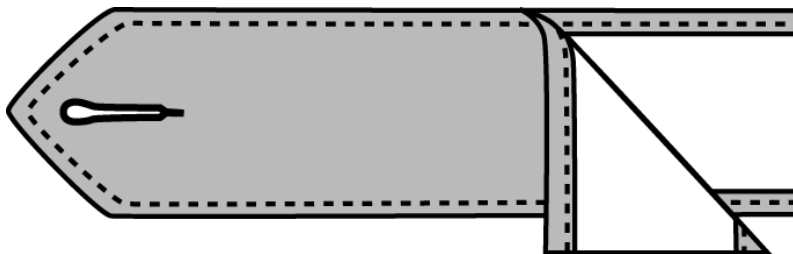
- A. The armshield is engineered to minimize the long-term effects of perspiration over the lifetime of the garment. Perspiration consists of moisture, salts, weak organic acids and body oils. Xtreme Dri fabric having WICKING properties is specified for use as the armshield. ("Felt-like" fabrics that retain perspiration are not in the best interest of the garment). In addition to the wicking property, this Xtreme Dri shield has soil release, high permeability for airflow, and exhibits rapid evaporation.

- B. The armshield is approximately 4" x 4" in dimension, bound with double folded bias rayon on both sides and the bottom, then machine sewn into the armhole.
- C. Tensile strength and resistance to abrasion are additional advantages of Xtreme Dri armshields as compared to a "felt-like" material. The minimum abrasion quality is 10,000 on the STROLL FLAT test.



## 20. SHOULDER STRAPS

- A. Both the upper and lower layers of the shoulder strap are interlined with permanently bonded, non-woven material. This four layer ensemble is secured with an inside hidden stitch then top-stitched all around the edge, set in approximately 1/4". These layers are die-cut to insure exact conformity in shape and size, throughout the lifetime of the garment.
- B. Buttonholes are the CUT-FIRST style, having all raw edges reinforced with gimp, then solid stitching as described earlier in the Buttonhole section (item 8).

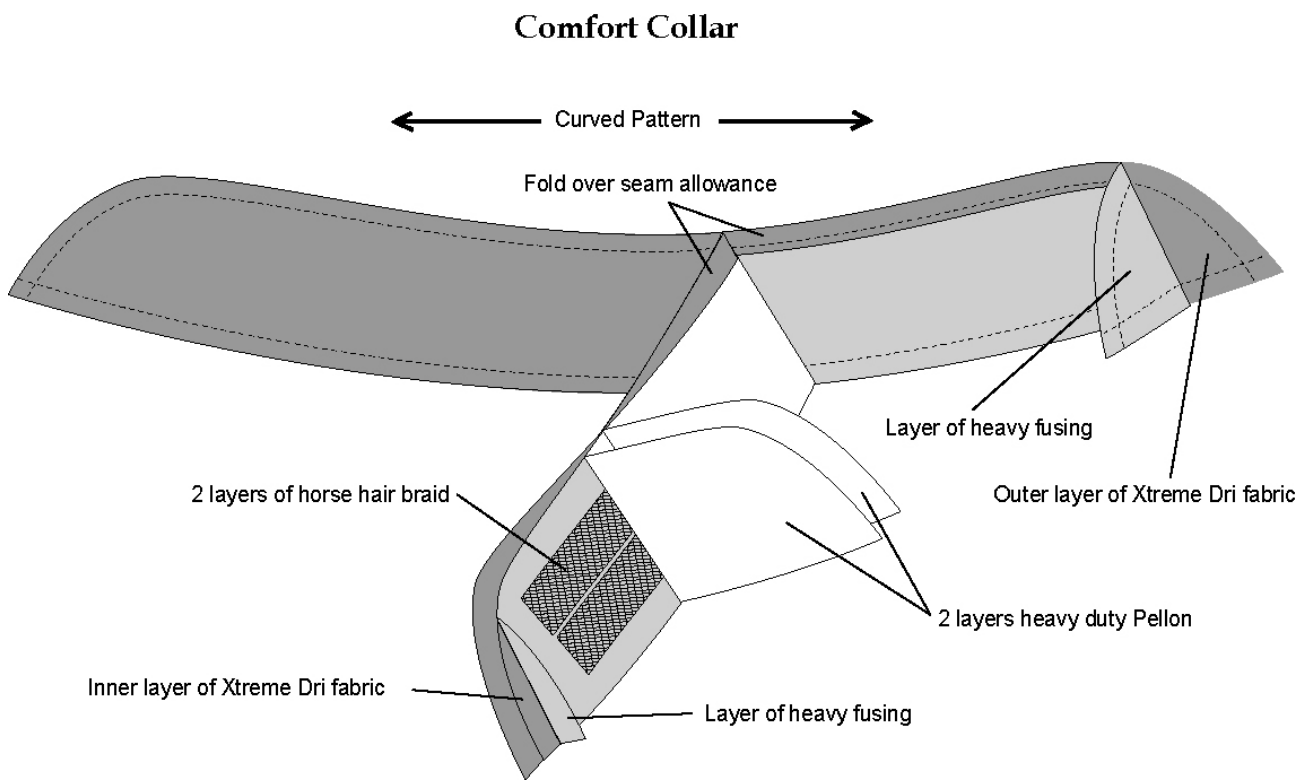


## 21. STANDING COMFORT COLLAR

- A. The collar is one of the highest stress areas in the coat. The collar is cut from a curved pattern. This allows a front "drop" to fit the downward front slope of the natural human body configuration. This item is NOT to be cut in a straight pattern.
- B. There are a total of eight layers in this comfort collar construction.
  - 1. The collar lining of Xtreme Dri fabric, as described in the fabric section (item 4), has a non-woven material, permanently sewn and bonded to the inside.

2. Sewn directly to the inboard surface of this tandem collar lining construction, centered on the lining and running the circumference of the collar are two layers of 3/8" horse hair braid reinforcement.
3. The outer collar shell, also made of Xtreme Dri, has a non-woven material permanently sewn and bonded to the inside.
4. Both the collar lining construction and the outer collar shell construction are sewn to two base layers of heavy duty Pellon forming the finished comfort collar.

**NOTE:** The entire sewing operation in the construction of the collar is “machine-sewn”. Hand sewing simply cannot insure the required durability.



## 22. **“WRAP” COAT COLLAR**

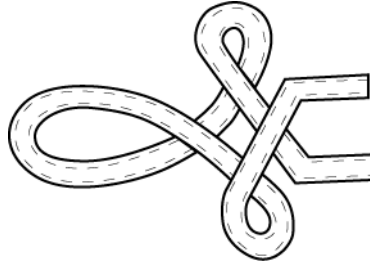
The standing collar on the wrap style coat is “soft”, in that there is no inner layer of stiff mylar. This collar generally measures 1 3/4” finished width. The inside lining is Xtreme Dri fabric having a permanently bonded layer of non-woven fabric to reinforce the collar. The outer layer of the collar is also Xtreme Dri fabric having a reinforcing layer of monoflex (resilient canvas of 27.6% rayon/72.4% polyester – 4.2 oz. weight) stitched in. This results in a reinforced

“soft” collar having four layers. All exposed edges are turned inward with an invisible row of stitching. A visible row of topstitching is added all around the edge. There are no exposed, rough edges.



### **23. COAT TRIM**

- A. All trim must be sewn to the outer coat fabric before the lining and interlining are joined to the coat. Trim sewn through the interlining and lining is not acceptable.
- B. Washable braid trim of ¼” or wider is sewn down with two rows of stitching. This includes looped trims as well as straight line. In addition, looped trim is reinforced with a layer of non-woven fabric, permanently bonded to the inside coat fabric surface, to inhibit puckering tendencies.



### **24. SPECIAL COAT STYLES**

- A. Seamless canopy coat styles will require a “Memory Recovery” system across the upper back and shoulders due to the under construction across each shoulder.
- B. The Memory Recovery system is a 2 ½” wide panel of heavy duty light weight elastic, made of 90% (70 denier) nylon and 10% (140 denier) Spandex. It is sewn into each sleeve seam in the coat back area, and extends fully across the coat back. When the wearer of this coat style is in an arms down position, the system is relaxed. During an arm lift maneuver the entire coat back experiences stress and pulling across the shoulders. The Memory Recovery system brings the various fabrics, folds and coat parts, back to the original “EASE” position when arms return downward. This entire process prevents unsightly bulging. The durable elastic panel is included in the manufacturer’s warranty.

## **25. SEAMS**

The center back seam and side body seams shall be 5/8". Seams are to be plain with a minimum of 1 1/4" - 1 1/2" total outlet in the side body seams and 3/4" in the back seams. Coat is to be completely machine stitched except in areas where tailoring or appearance necessitates other methods. The ends of all seams and stitching shall be back-stitched not less than 1/4". Thread breaks of all stitch types must be secured by stitching back from break 1/2" to 1". Coat is to be tailored with a four-piece back, comprised of a center back seam and two additional back body seams curving from sleeve seam downward and running out the coat bottom.

## **26. THREAD**

Threads used throughout the garment will be TEX 40 size, 29/2 gauge and 4.56 lb. tensile strength. All threads used are to be heat resistant, vat dyed, sunfast, dry cleanable pre-shrunk and moisture proof. In areas of multiple color trim panels, a monofilament thread may be indicated. This thread is a 330 denier and has a .008 diameter rating. The manufacturer's warranty includes all threads used throughout the uniform construction.

**The uniform herein specified is considered  
"FULLY CONSTRUCTED".  
Unconstructed or lightly constructed  
uniforms that do not include a FULL  
coat lining (including the back,  
sleeves and front) AND complete  
inner construction (including two  
layers of hair canvas, one layer of  
mono-flex and a chest piece) are NOT  
ACCEPTABLE and will result in  
disqualification as the specifications  
clearly require FULL CONSTRUCTION.  
The uniform specified herein must  
also be dry cleanable AND machine  
washable for customer flexibility.**

By signing below, bidder acknowledges compliance with above specification requirements:

\_\_\_\_\_  
COMPANY SUBMITTING BID

\_\_\_\_\_  
AUTHORIZED SIGNATURE

\_\_\_\_\_  
TITLE

## **JUMPSUIT SPECIFICATIONS – AQUABILITY**

### **1. GENERAL**

Jumpsuits are special marching band construction and design. They shall not employ fashion tailoring techniques, materials and patterns that will not withstand the rigorous end use of band uniforms. Fashion pocketing, waistband material and construction, lightweight snaps and hooks are not acceptable.

### **2. PATTERNS**

- A. The patterns and style must be in keeping with the end use of marching, with maximum capability to be adjusted for fitting a variety of wearers from year to year.
- B. They must have ample room for movement and be nonrestrictive for marching, in the seat, thigh and ankle area. The dimensions of a jumpsuit for a 38 regular male, shall not be less than 18” circumference at cuff and 23” at thigh.

### **3. FRONT CLOSURE**

- A. The fly zipper is brass “Y.K.K.” with a double locking slide. There is a metal stop at the base of the fly zipper. The fly teeth will extend completely up to the top of the waistband.
- B. The outside fly consists of the outer shell fabric and an inner layer of shell fabric.
- C. The inside fly is constructed with the zipper tape sewn flush to the edge

### **4. CROTCH REINFORCEMENT**

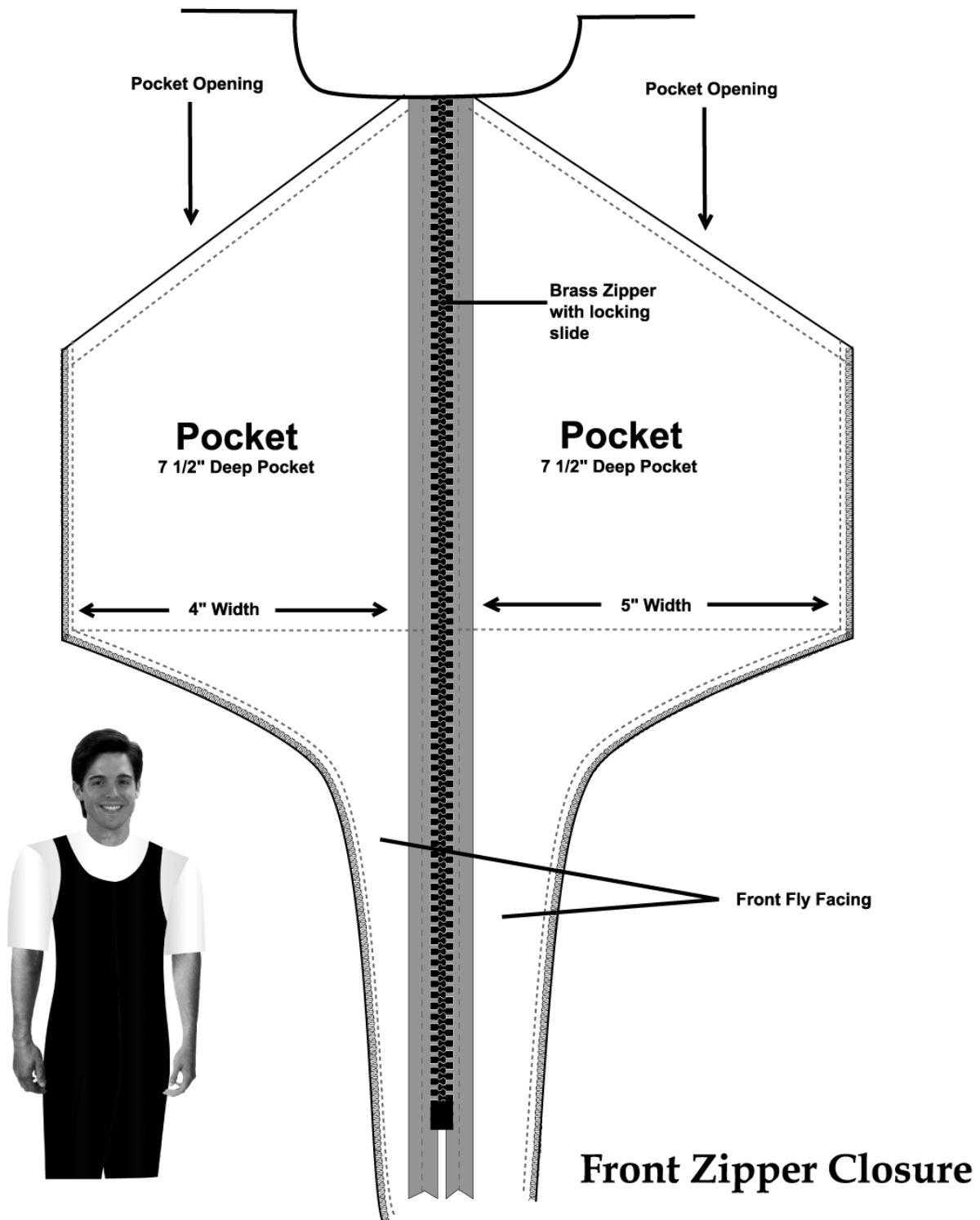
- A. There is a “four-way “ crotch reinforcement consisting of 80/20 poly cotton, 10% poly fill, 3.5 yard per pound, pre-cured finish fabric.
- B. There are four, two ply sections, one on each side of the intersection of the fly, seat seam and inseams.
- C. Crotch area is clean finished with no pieces extending from top of inseams.

### **5. POCKETS**

- A. Pockets are made of the outer shell fabric, and are a lateral extension of the zipper fly facings on both sides of the front fly. There are two front pockets in each jumpsuit/bibber trouser.
- B. The pockets are 4” – 5” wide. The pocket depth is 7 ½” along the front fly edge, with a diagonal opening of 5 ½”. The lateral pocket depth is 4”.



# Utility Jumpsuit/Bibber Inside View



6. **INSEAM**

- A. The trouser is unhemmed, with the bottom edge finished all around in a serge stitch.
- B. The inseam will allow ample length for a cuff hem, and is constructed with a flat seam having a 1” outlet.

7. **SEAMS**

- A. The center back (seat) seam is finished using two rows of locked chain stitching for seam strength and durability. It is a flat seam with a 2” outlet.
- B. The outseam is secured with a safety double seam stitch.

8. **PERMANENT SUSPENDERS**

- A. Suspenders are made of whipcord fabric. Color shall match jumpsuits. Nylon webbing shall not be used because the adjusting slide will not remain in set position under tension from movement.
- B. Suspenders are two-ply, topstitched, and have interlining for body. This will insure the adjustable slide remaining in set position; suspenders will launder or dry clean as well as the jumpsuit.
- C. All hardware is unbreakable nylon as used in parachutes and life vests; unbreakable, unbendable and not subject to tarnishing or rusting. It will not cause undue abrasion on jumpsuit during dry clean tumbling.
- D. Suspenders are self faced and interlined with pella. Lining of belting or pocketing is not acceptable.

9. **PERIMETER SERGING**

- A. All exposed “raw” edges are finished with a serging stitch of no less than 10 per inch, tight to edge, to prevent fraying.
- B. Serging thread is polyester.



# Fabric Specifications

The fabric “Xtreme Dri” employs today’s most innovative fabric technology. This fabric is designed for high performance wear and ***NO SUBSTITUTIONS ARE PERMITTED.*** Performance wear fabrics are available to all manufacturers, but Xtreme Dri is exclusive to Stanbury Uniforms, Inc. Xtreme Dri allows fabric breathability, thermal insulation, moisture management and odor neutralization. Xtreme Dri has the ability to wick moisture away from the wearer so that it can quickly evaporate, which allows the wearer to stay comfortable through climate control in any temperature. Wicking properties move moisture away from the body and result in quick evaporation time, enabling the garment to dry faster. Performance apparel fabrics, including Xtreme Dri, are different than the standard polyesters that have been available to the band uniform industry, including, but not limited to 1933, 420, 960, 6248, 4030 and 460. Performance apparel is not just a generic term and should not be a “catch all” name for any and all polyesters standardly used in the band uniform industry.

Using Xtreme Dri means that the garment will be dryer, lighter, cooler and/or warmer, more comfortable and perform better over the lifetime of the garment. Xtreme Dri is temperature moderating, therefore keeping the body cooler in hot weather and warmer in cool weather. It is important to realize that all performance wear products are not the same. It is difficult to know the differences because the performance features cannot necessarily be seen or felt. Many fabric mills use topically applied chemicals to enhance wicking that washes out after five to ten washings. This is unacceptable and not true of Xtreme Dri fabric.

These specifications encompass methods and materials yielding only the highest quality garment, through specifying only the highest quality materials, components, accouterments and designating only time-proven tailoring of the highest standard. Make note that some methods and materials have been judged inferior and unacceptable and are so noted herein. These standards are so stated to insure a garment having a functional lifetime retention period of at least eight to ten years, with normal care and maintenance being exercised.

Specific fabric colors/shades (for example-Raven Black) are found in the Uniform Specifications and will be first quality with no flaws or imperfections. The material is a water and stain repellent fabric, thus eliminating the need for a special treatment. Because there is **NO** wool content, moth-proofing this fabric is not necessary.

Xtreme Dri fabric must have the following characteristics:

- **Performance for the Life of the Garment** - The qualities in Xtreme Dri fabric are inherent in the fiber structure itself; there are no treatments or additions of other materials, thereby providing consistent performance wash after wash.

- **Evaporative Cooling by Lifting Moisture Away from Wearer** - Moisture is lifted away from the wearer which keeps the body cooler in warm weather and warmer in cold weather.
- **Stain Resistant** – No chemical treatment of fabric to prevent stains is acceptable. Once again, this is a natural occurrence with Xtreme Dri fabric. Most stains come as liquids and Xtreme Dri resists those stains through the special weave and type of monofilament used in its construction. By keeping the liquid from being sucked up, you prevent the stain from happening. Hydrophobic polymers are pressed into the fabric and then baked to make tiny whiskers, of which about 1,000 can fit across a thread of fabric (about 1,000 nanometers across). These whiskers make the fabric hydrophobic, so it is part of the fabric and makes the fabric stain repellant.
- **Wrinkle Resistant** – Xtreme Dri does not use a finishing agent to enhance its wrinkle resistance. It is a natural characteristic of this particular fabric. Problems are associated with wrinkle resistant finishes such as attracting grease and oil stains, fabric degradation and environmental concerns. Fabrics with wrinkle resistant finishes are not acceptable.
- **Quick Drying** - Xtreme Dri fabric doesn't absorb moisture into the fiber, so drying time is minimal. It is HYDROPHOBIC – which means “water hating”.
- **Mechanical Stretch** - Xtreme Dri fabric has more expandability without the use of chemicals and additives, such as spandex filament yarns, commonly known as Lycra. Therefore, the stretch factor is inherent in the fabric and permanent for the life of the fabric. Spandex yarn fabrics cannot be submitted to high temperatures because it will melt and, therefore, will not be acceptable.
- **Odor Management** - Bacteria, mold and mildew cannot grow on Xtreme Dri fabric, and will not damage the fiber. A garment that is washed regularly under supervised guidelines will not retain body odors because the moisture is drawn to the top of the fabric, where it will then evaporate without residual odor.
- **Washable and Dry Cleanable** – Xtreme Dri offers significant savings in dry cleaning expense, and is environmentally friendly.
- **Color Fast** - Xtreme Dri fabric has the color introduced into the fiber itself in the liquid stage. Xtreme Dri fabric will hold its color indefinitely.
- **Durable** – Xtreme Dri has superior “tear strength” to all other fabrics available for band uniform applications. There is virtually no pilling, and it is resistant to snagging.

**STYLING SPECIFICATIONS**  
For: H.L Richards HS – Oak Lawn, IL

**BANDSMAN COAT**

**FABRIC:** Xtreme Dri (XD) Raven black – 100% Synthetic, Xtreme Dri (XD) Divine white – 100% Synthetic, Xtreme Dri (XD) Sunsplash yellow – 100% Synthetic

**STYLE:** Waist length canopy coat with the front left angling down to a point and the right cut straight to form a “step”, the back is cut straight. A curved insert seam from the right shoulder to the top of the “step” of the coat bottom.

**CLOSURE:** Center back butted with a heavy duty black nylon zipper to zip down.

**SPECIAL DETAILS:** Includes a FULL coat lining (including the back, sleeves and front) AND complete inner construction (including two layers of hair canvas, one layer of mono-flex and a chest piece). The uniform specified herein must also be machine washable.

The construction utilizes the Xtreme Dri performance-wear fabric. Xtreme Dri fabric provides enhanced air permeability that differentiates it from generic polyester fabrics. Xtreme Dri fabric lifts moisture away from the wearer, which keeps the body cooler in warm weather and warmer in cold weather. It is stain resistant, tear resistant, odor resistant, quick drying, colorfast and will not pill. Since Xtreme Dri is a proprietary exclusive fabric, any vendor may bid on what they consider their best available polyester for the project. However, any and all deviations must be thoroughly documented.

The coat has performance-wear “Aerocool” lining for maximum breathability and comfort for the wearer. “Aerocool” lining is woven to absorb and evaporate moisture rapidly by capillary effect. The absorption, diffusion and evaporation system of this lining is designed to maintain cool body temperature and excellent comfort for the wearer. The coat also utilizes performance-wear inner lining. The coat has snap tape at the cuffs, to allow for adjustable hems without the necessity of sewing. The sleeves are a special pattern that allows for freedom of movement for the wearer, and an extended shoulder pattern. There are special pre-molded (3/4” thick) firm foam shoulder pads with nylon tricot covering at each shoulder. A “comfort” style collar with no mylar and no hook and eye. Each coat also has an identification number and bar code.

**FRONT TRIM:** Left side of insert seam of XD Raven black and right of the insert seam of a special sublimation print that is XD Sunsplash yellow fading to the white at the coat bottom, both side panels and canopy facings of XD Raven black. Set on black coat front and flush to the insert seam, four squares of XD Divine white with a white merrowed edge. Cover the black/sublimated split and the right edge of the merrowed edge patches with ½” stripe of XD Divine white

**BACK TRIM:** XD Raven black, the side panels and underside of canopies of XD Raven black. Set on each side of back to simulate body seams, ¼” stripe of XD Sunsplash yellow.

**COLLAR:** Collar of XD Raven black and self-lined. The “comfort” collar has eight layers of construction and has a non woven material, permanently sewn and bonded to the inside. Sewn directly to the inboard surface of this tandem collar lining construction, centered on the lining and running the circumference of the collar are two layers of 1/2” stiff horse hair reinforcement. Both the collar lining construction and the outer shell construction are sewn to two base layers of heavy duty Pellon forming the finished comfort collar. Set flush all around top and bottom is a ¼” stripe of XD Divine white with one 24L nickel dome tack back button next to both sides of front of collar.

**SHOULDER STRAPS:** XD Raven black with ¼” stripe of XD Divine white set flush all around the outside edge. Shoulder straps will be sandwiched in outer edge of canopies and close with one 24L nickel dome long shank button attached with disc and ring.

**UPPER SLEEVE TRIM:** XD Raven black. The left sleeve will have 5/8” plain block “H.L. RICHARDS” in an arc with “BULL DOGS” set straight below, all of Madeira 1064 yellow direct swiss. The right sleeve has no trim.

**CUFF:** Top only: Set up 4” x 6” from bottom of cuff, 1” stripe of XD Sunsplash yellow with a ¼” stripe of XD Divine white butted to the bottom edge.

\_\_\_\_\_ Deviation

\_\_\_\_\_ No Deviation

For: H.L Richards HS – Oak Lawn, IL

No Deviation

## **STYLING SPECIFICATIONS**

For: H.L Richards HS – Oak Lawn, IL

### **ACCESSORIES**

**SHOULDER DRAPE:** XD Raven black lined with XD Sunsplash yellow drape to be worn on the right side of coat back, with the longest side next to the right sleeve. Set flush to the left outside edge and bottom of drape is two ¼” stripes of XD Divine white spaced ½” apart. Set vertically down the drape, approximately 2” tall plain block “BULLDOGS” of yellow direct swiss. The drape will attach under the right shoulder strap of coat with a buttontab of XD raven black with two buttonholes.

**PLUME:** 12” French Upright, Black and Gold mixed with Silver mylar flecks interspersed.

**SHAKO BOX:** Shako mate

**DRUM MAJOR UNIFORMS:** Same as band uniform with color changes, color changes will be determined at later Date.

**GUARD UNIFORMS:** Guard uniforms will be a three piece set, Tunic, Jazz Pants and Diamond ornament. Style will be Diamond Tunic for Black Velvet, Black Lycra and Gold Sparkle Sequins with Gold rhinestone ornament. Pants will be black lycra jazz pants

**GARMENTS BAGS:** 40” Poly-Soft Garment bag with ID window ad 15” by 15” zippered shoe/accessory pouch. Bag will have embroidered name on left side opposite ID window. Bag to be Black.

**PLUME CASES:** 420 Denier nylon Plume bag with heavyweight fiberboard tubes. Holds 63 plumes each.

**CUSTOM BANNER:** 2 ½’ by 8’ Custom lead banner. Design will be determined by Director