



CITY OF FORT COLLINS

INVITATION TO BID

PFA FIRE HOSE & EQUIPMENT
BID # 5279

BID OPENING: April 28, 1998, 2.30pm (our clock)

The City of Fort Collins is requesting bids for fire hose appliances and nozzles, miscellaneous fire equipment, and fire hose

Sealed bids will be received and publicly opened at the office of the Director Of Purchasing and Risk Management, PO Box 580, 256 West Mountain Avenue, Fort Collins, Colorado 80522, at the time and date noted on the bid proposal and/or contract documents

Bids must be received at the Purchasing Office prior to April 28, 1998, 2.30pm (our clock).

A copy of the Bid may be obtained as follows:

- 1 Call the Purchasing Fax-line, 970-416-2033 and follow the verbal instruction to request document # 5279
- 2 Download the Bid from the Purchasing Webpage, Current Bids page, at [www.ci.fort-collins.co.us\CITY_HALL\PURCHASING](http://www.ci.fort-collins.co.us/CITY_HALL/PURCHASING) then via the Current Bids pushbutton
- 3 Come by Purchasing at 256 W Mountain Ave , Fort Collins, and request a copy of the Bid

Special Instructions

All bids must be properly signed by an authorized representative of the company with the legal capacity to bind the company to the agreement Bids may be withdrawn up to the date and hour set for closing Once bids have been accepted by the City and closing has occurred, failure to enter into contract or honor the purchase order will be cause for removal of supplier's name from the City of Fort Collins' bidders list for a period of twelve months from the date of the opening The City may also pursue any remedies available at law or in equity Bid prices must be held firm for a period of forty-five (45) days after bid openings

Submission of a bid is deemed as acceptance of all terms, conditions and specifications contained in the City's specifications initially provided to the bidder Any proposed modification must be accepted in writing by the City prior to award of the bid

Only bids properly received by the Purchasing Office will be accepted All bids should be clearly identified by the bid number and bid name contained in the bid proposal

No proposal will be accepted from, or any purchase order awarded, to any person, firm or corporation in default on any obligation to the City

Bids must be furnished exclusive of any federal excise tax, wherever applicable

Bidders must be properly licensed and secure necessary permits wherever applicable

Bidders not responding to this bid will be removed from our automated vendor listing for the subject commodities

The City may elect where applicable, to award bids on an individual item/group basis or on a total bid basis, whichever is most beneficial to the City. The City reserves the right to accept or reject any and all bids, and to waive any irregularities or informalities

Sales prohibited/conflict of interest no officer, employee, or their dependent or person residing in and sharing the expenses of their household, shall have a financial interest in the sale to the City of any real or personal property, equipment, material, supplies or services. This rule also applies to subcontracts with the City. This shall not apply to members of any authority, board, committee or commission of the city, other than the members of the City Council. Soliciting or accepting any gift, gratuity favor, entertainment, kickback or any items of monetary value from any person who has or is seeking to do business with the City of Fort Collins is prohibited. Any vendor knowing of this type of activity is encouraged to report in confidence to the Director of Purchasing and Risk Management, Director of Finance, City Attorney or City Manager so the matter can be dealt with

Freight terms unless otherwise noted, all freight is F O B Destination, Freight Prepaid. All freight charges must be included in prices submitted on proposal

Discounts any discounts allowed for prompt payment, etc , must be reflected in bid figures and not entered as separate pricing on the proposal form

Purchasing restrictions your authorized signature of this bid assures your firm's compliance with the City's purchasing restrictions. A copy of the resolutions are available for review in the Purchasing Office or the City Clerk's Office

Cement restrictions City of Fort Collins Resolution 91-121 requires that suppliers and producers of cement or products containing cement to certify that the cement was not made in cement kilns that burn hazardous waste as a fuel

Collusive or sham bids any bid deemed to be collusive or a sham bid will be rejected and reported to authorities as such. Your authorized signature of this bid assures that such bid is genuine and is not a collusive or sham bid

Bid results for information regarding results for individual bids send a self-addressed, self-stamped envelope and a bid tally will be mailed to you. Bid results will be posted in our office 7 days after the bid opening


James B. O'Neill II, CPPO
Director of Purchasing and Risk Management

BID #5279, EQUIPMENT LIST

SUBSTITUTIONS FOR ITEMS SPECIFIED WITH AKRON, ELKHART, HARRINGTON, PARATECH, SUPER VAC, OR TASK FORCE TIP NUMBERS WILL NOT BE ACCEPTED ALL THREADS TO BE NST UNLESS OTHERWISE SPECIFIED

HOSE APPLIANCES

- 1 ADAPTER, 75" X 2 5", BRASS, AKRON 421
- 2 ADAPTER, 1 5" X 2 5", PYROLITE, AKRON 1422
- 2 ADAPTER, 4 5" FEMALE X 5" STORTZ, HARRINGTON #HSFS50-45NHLH, WITH STORTZ-LOK
- 2 BLIND CAP, 5" STORTZ, HARRINGTON #HBC-50
- 1 BRESNAN DISTRIBUTOR, 2 5", BRASS, AKRON 535
- 1 CAP, 1 5", BRASS, WITH CHAIN, AKRON 245
- 1 DOUBLE FEMALE, 1 5", PYROLITE, AKRON 335
- 2 DOUBLE FEMALE, 2 5", PYROLITE, AKRON 335,
- 2 DOUBLE MALE, 2 5", PYROLITE, AKRON 336
- 1 GATE VALVE, 2 5", PYROLITE, AKRON 2285
- 5 NOZZLE HOLDER, 1 5", STAINLESS STEEL, AKRON E-Z LOK OR EQUIVALENT
- 15 NOZZLE HOLDER, 2 5", STAINLESS STEEL, AKRON E-Z LOK OR EQUIVALENT
- 1 SIAMESE, 2 5", CLAPPER, PYROLITE, AKRON 1262
- 1 TRIPLE STACKED TIPS, PYROLITE, AKRON, 1420
- 2 WYE, 1 5" X 2 5", GATED, ELKHART B-100A
- 1 WYE, 2 5", GATED, PYROLITE, AKRON 1582
- 1 WYE, 2 5" X 5" STORTZ, GATED, HARRINGTON #200-50-25NH

NOZZLES

- 3 NOZZLE, 1 5", TASK FORCE, (TFT #HMD-VPGI)
- 1 NOZZLE, 1 5", TASK FORCE, (TFT #HMD-STO)
- 1 PISTOL GRIP, TASK FORCE (TFT, #H-VOI)
- 1 NOZZLE, 2 5", FOG, TASK FORCE, WITH PLAYPIPE, (TFT # H-2BLITZ)
- 1 PLAYPIPE, 2 5", TASK FORCE, (TFT # H-2VPP(H))
- 1 TASK FORCE, #XFC-42 PACKAGE, INCLUDING (1) SAFE-TEK 1250 PORTABLE BASE WITH 5" STORTZ, WITH OUT SAFETY VALVE, (1) XFT-NJ CROSSFIRE MONITOR TOP, (1) M-R MASTER STREAM NOZZLE, (1) MST-4NJ QUAD STACK TIPS, (1) XF-SS10 STREAM STRAIGHTENER
- 1 TASK FORCE, XFC-MOUNT PACKAGE, INCLUDING (1) XFF-MPL 3" TRUCK FLANGE BASE AND (1) XF-B COMPACT COMPARTMENT STORAGE BRACKET

MISC. EQUIPMENT

- 1 PRY AXE, PARATECH #501 WITH STANDARD CLAW AND VEHICLE BRACKET
- 1 CLOSET HOOK, 36" PIKE POLE, FIBERGLASS HANDLE WITH "D" RING
- 1 FLOOR RUNNER, 3' X 20', VINYL
- 1 HOSE CLAMP W/BRACKET, AKRON 588
- 6 HOSE TOOL, STRAP, AKRON 78
- 2 ADJUSTABLE HYDRANT WRENCH, AKRON 15
- 1 PIKE POLE, 10', FIBERGLASS HANDLE
- 3 SALVAGE COVERS, 12' X 14', 10 OZ VINYL, RED, GREEN & YELLOW
- 1 SMOKE EJECTOR, 16", STEEL, SUPER VAC # P164SE
- 4 SPRINKLER SHUTOFF, AKRON 1078
- 8 SPANNER WRENCH, 5"
- 4 SPANNER WRENCH HOLDER, 5"
- 4 DUAL HOLDER WITH SPANNER WRENCHES, 2 5", AKRON 448

FIRE HOSE

ALL FIRE HOSE IN THIS SPECIFICATION MUST MEET OR EXCEED THE CURRENT NATIONAL FIRE PROTECTION ASSOCIATION STANDARD 1961

THE HOSE SHALL NOT BE DEGRADED FROM EXPOSURE TO MOST CHEMICAL SUBSTANCES SUCH AS HYDROCARBONS, OILS, ALKALI, AND GREASE

COMPLETE DETAILED SPECIFICATIONS, ALONG WITH A 12" SAMPLE OF THE HOSE PROPOSED TO MEET THIS SPECIFICATION, SHALL BE SUBMITTED WITH THE HOSE BID

THE FIRE DEPARTMENT RESERVES THE RIGHT TO FORWARD 3 FOOT SAMPLES, CUT FROM LENGTHS OF DELIVERED HOSE, TO A NATIONALLY RECOGNIZED LABORATORY FOR TESTING THE TESTS SHALL COVER THE PHYSICAL REQUIREMENTS OF THE LININGS AS WELL AS THE JACKETS AS OUTLINED IN THESE SPECIFICATIONS IF THE HOSE PASSES, THE COST WILL BE PAID BY THE FIRE DEPARTMENT IF THE HOSE FAILS THE COST SHALL BE PAID BY THE SUPPLIER FAILURE TO COMPLY WITH THESE SPECIFICATIONS WILL BE CAUSE FOR ALL HOSE TO BE REJECTED

THE MANUFACTURER SHALL GUARANTEE THE PROPOSED FIRE HOSE SHALL MEET THE REQUIREMENTS AND SPECIFICATIONS AS HEREIN SET FORTH THE MANUFACTURER SHALL ALSO, AS PART OF THIS PROPOSAL, GUARANTEE SUCH FIRE HOSE FOR A PERIOD OF TEN (10) YEARS OR MORE AGAINST FAILURE DUE TO DEFECTS IN MATERIAL AND WORKMANSHIP, AND SHALL PROVIDE FOR THE REPLACEMENT OF ANY SUCH HOSES AS MAY BE DEFECTIVE IN THIS RESPECT AT NO ADDITIONAL COST TO POUDDRE FIRE AUTHORITY

INDIVIDUAL HOSE SECTIONS LESS THAN THE SPECIFIED LENGTH WILL BE REJECTED

EACH LENGTH OF HOSE SHALL BE INDELIBLY MARKED IN LETTERS AND FIGURES AT LEAST 1" HIGH MARKING SHALL BE ACCORDANCE WITH THE LATEST EDITION OF NFPA STANDARD 1961 FIRE HOSE

THE COUPLINGS SUPPLIED SHALL COMPLY WITH THE CURRENT NFPA 1963 STANDARD

HOSE SPECIFICATIONS 1"

THIS SPECIFICATION IS FOR **200 FEET OF 1"** FIRE HOSE IN **100 FOOT** LENGTHS

THE HOSE SHALL BE PREMIUM QUALITY, ABRASION RESISTANT, CHEMICAL RESISTANT ATTACK GRADE FIRE HOSE DESIGNED FOR PROLONGED STORAGE AND EASE OF MAINTENANCE

LINING AND COVER

THE LINING AND COVER SHALL CONSIST OF SYNTHETIC NITRILE RUBBER, COMPOUNDED TO PROVIDE MAXIMUM ADHESION TO THE REINFORCEMENT WHEN APPLIED BY A THROUGH THE WEAVE EXTRUSION PROCESS

REINFORCEMENT

THE HOSE REINFORCEMENT SHALL BE WOVEN OF 100% SYNTHETIC, HIGH TENSILE YARN SO AS TO ELIMINATE TWIST

THE REINFORCEMENT SHALL BE TOTALLY ENCAPSULATED IN THE NITRILE RUBBER COMPOUND UTILIZING A THROUGH THE WEAVE PROCESS RESULTING IN A ONE-PIECE CONSTRUCTION HOSE

FINISHED HOSE

THE FINISHED HOSE SHALL HAVE RIBBED PATTERNS ON THE OUTSIDE TO REDUCE WEAR ON THE COVER

THE HOSE SHALL NOT BE DEGRADED FROM EXPOSURE TO MOST CHEMICAL SUBSTANCES SUCH AS HYDROCARBONS, OILS, ALKALI, AND GREASE

THE HOSE SHALL BE YELLOW IN COLOR

COUPLINGS

THE COUPLINGS SUPPLIED SHALL BE HARD COATED, LIGHTWEIGHT ROCKER LUG, AND COMPLY WITH THE CURRENT NFPA 1963 STANDARD ONE MALE AND ONE FEMALE COUPLING WITH 1" NST THREADS ARE TO BE PROPERLY INSTALLED ON EACH LENGTH OF HOSE BY THE MANUFACTURER

HOSE SPECIFICATIONS 1.75"

THIS SPECIFICATION IS FOR **600 FEET OF 1.75"** FIRE HOSE IN **50 FOOT** LENGTHS

THE FIRE HOSE SHALL BE PREMIUM QUALITY, ABRASION RESISTANT, DOUBLE JACKET, LIGHT WEIGHT MUNICIPAL FIRE HOSE DESIGNED FOR EASE OF HANDLING AND USE

THE HOSE SHALL BE IN COMPLIANCE WITH NFPA 1961 (LATEST EDITION) REQUIREMENTS FOR DOUBLE JACKET, 800 PSI PROOF TEST PRESSURE, ATTACK GRADE FIRE HOSE

LINING

THE SYNTHETIC RUBBER LINING SHALL BE A SINGLE-PLY EXTRUDED TUBE COMPOUNDED TO RESIST DETERIORATION BY OZONE THE FINISHED FORM SHALL BE FREE OF PITS AND OTHER IMPERFECTIONS AND SHALL HAVE A SMOOTH INTERIOR FINISH

JACKET

THE WRAP YARNS AND FILER YARNS SHALL BE OF ADEQUATE NUMBER AND SIZE TO MEET ALL OF THE HYDROSTATIC REQUIREMENTS THE NFPA 1961 SPECIFICATION THE WRAP YARN OF BOTH JACKETS SHALL BE STRUCTURED OF ENTANGLED FILAMENT

GRADE (6-6) POLYAMIDE (DUPONT CORDURA) OR EQUIVALENT THERE SHALL BE NO KNOT SPLICING OF THE WRAP IN EITHER JACKET THE FILLER YARN SHALL BE HIGH STRENGTH, LOW ELONGATION FILAMENT POLYESTER

IMPREGNATION

THE OUTSIDE JACKET SHALL BE THOROUGHLY IMPREGNATED WITH A HIGH PERFORMANCE POLYMER THE POLYMER COMPOUND SHALL BE HEAT SET IN THE TEXTILE OF THE OUTSIDE JACKET COATING APPLIED TO FINISHED HOSE AND /OR SET WITH AMBIENT TEMPERATURE PROCESSES ARE NOT ACCEPTABLE

THE HOSE SHALL BE YELLOW IN COLOR

JACKET FIT

THE OUTSIDE AND INSIDE JACKET FIT IS CRITICAL TO THE FINISHED HOSE AFTER THE INITIAL PROOF PRESSURE TEST, THEIR SHALL BE NO EXCESS OUTER JACKET BAGGINESS THE JACKETS MUST FIT SNUGLY INSIDE ONE ANOTHER UNDER ZERO PRESSURE OR UNDER PROOF AND SERVICE TEST PRESSURES

COUPLINGS

THE COUPLINGS SUPPLIED SHALL BE LIGHTWEIGHT ROCKER LUG, AND COMPLY WITH NFPA 1963 STANDARD ONE MALE AND ONE FEMALE COUPLING WITH 1 5" NST THREADS ARE TO BE PROPERLY INSTALLED ON EACH LENGTH OF HOSE BY THE MANUFACTURER THE COUPLINGS SHALL BE HARD COATED

HOSE SPECIFICATIONS 1.75" HIGH RISE

THIS SPECIFICATION IS FOR **200 FEET OF 1.75" FIRE HOSE IN 50 FOOT LENGTHS AND 200 FEET OF 1.75" FIRE HOSE IN 100 FOOT LENGTHS**

THE HOSE TO BE SUPPLIED UNDER THIS SPECIFICATION SHALL BE PREMIUM QUALITY, ABRASION RESISTANT, DOUBLE JACKET, LIGHT WEIGHT MUNICIPAL FIRE HOSE DESIGNED FOR EASE OF HANDLING AND USE

THE HOSES SHALL BE IN COMPLIANCE WITH NFPA 1961 (LATEST EDITION) REQUIREMENTS FOR DOUBLE JACKET, 800 PSI PROOF TEST PRESSURE, ATTACK GRADE FIRE HOSE

LINING

THE THERMOPLASTIC LINING SHALL BE A SINGLE-PLY EXTRUDED TUBE COMPOUNDED TO RESIST DETERIORATION BY OZONE THE FINISHED FORM SHALL BE FREE OF PITS AND OTHER IMPERFECTIONS AND SHALL HAVE A SMOOTH INTERIOR FINISH

JACKET CONSTRUCTION

THE WRAP YARNS AND FILER YARNS SHALL BE OF ADEQUATE NUMBER AND SIZE TO MEET ALL OF THE HYDROSTATIC REQUIREMENTS OF THE NFPA 1961 SPECIFICATION. THE WRAP YARN OF BOTH JACKETS SHALL BE STRUCTURED OF ENTANGLED FILAMENT GRADE (6-6) POLYAMIDE (DUPONT CORDURA) OR EQUIVALENT. THERE SHALL BE NO KNOT SPLICING OF THE WRAP IN EITHER JACKET. THE INSIDE JACKET SHALL HAVE A REVERSE TWILL WEAVE TO PRODUCE A SMOOTH WATERWAY. THE FILLER YARN SHALL BE HIGH STRENGTH, LOW ELONGATION FILAMENT POLYESTER.

IMPREGNATION

THE OUTSIDE JACKET SHALL BE THOROUGHLY IMPREGNATED WITH A HIGH PERFORMANCE POLYMER. THE POLYMER COMPOUND SHALL BE HEAT SET IN THE TEXTILE OF THE OUTSIDE JACKET. COATING APPLIED TO FINISHED HOSE AND /OR SET WITH AMBIENT TEMPERATURE PROCESSES ARE NOT ACCEPTABLE.

THE HOSE SHALL BE ORANGE IN COLOR.

JACKET FIT

THE OUTSIDE AND INSIDE JACKET FIT IS CRITICAL TO THE FINISHED HOSE. AFTER THE INITIAL PROOF PRESSURE TEST, THERE SHALL BE NO EXCESS OUTER JACKET BAGGINESS. THE JACKETS MUST FIT SNUGLY INSIDE ONE ANOTHER UNDER ZERO PRESSURE OR UNDER PROOF AND SERVICE TEST PRESSURES.

COUPLINGS

THE COUPLINGS SUPPLIED SHALL BE HARD COATED, LIGHTWEIGHT ROCKER LUG, AND COMPLY WITH NFPA 1963 STANDARD. ONE MALE AND ONE FEMALE COUPLING WITH 1 5/8" NST THREADS ARE TO BE PROPERLY INSTALLED ON EACH LENGTH OF HOSE BY THE MANUFACTURER.

HOSE SPECIFICATIONS 2.5"

THIS SPECIFICATION IS FOR 1500 FEET OF 2.5" FIRE HOSE IN 50 FOOT LENGTHS.

THE HOSE TO BE SUPPLIED UNDER THIS SPECIFICATION SHALL BE PREMIUM QUALITY, ABRASION RESISTANT, DOUBLE JACKET, LIGHT WEIGHT MUNICIPAL FIRE HOSE DESIGNED FOR EASE OF HANDLING AND USE.

THE HOSES SHALL BE IN COMPLIANCE WITH NFPA 1961 (LATEST EDITION) REQUIREMENTS FOR DOUBLE JACKET, 800 PSI PROOF TEST PRESSURE, ATTACK GRADE FIRE HOSE.

LINING

THE THERMOPLASTIC LINING SHALL BE A SINGLE-PLY EXTRUDED TUBE COMPOUNDED TO RESIST DETERIORATION BY OZONE THE FINISHED FORM SHALL BE FREE OF PITS AND OTHER IMPERFECTIONS AND SHALL HAVE A SMOOTH INTERIOR FINISH

JACKET CONSTRUCTION

THE WRAP YARNS AND FILER YARNS SHALL BE OF ADEQUATE NUMBER AND SIZE TO MEET ALL OF THE HYDROSTATIC REQUIREMENTS OF THE NFPA 1961 SPECIFICATION THE WRAP YARN OF BOTH JACKETS SHALL BE STRUCTURED OF ENTANGLED FILAMENT GRADE (6-6) POLYAMIDE (DUPONT CORDURA) OR EQUIVALENT THERE SHALL BE NO KNOT SPLICING OF THE WRAP IN EITHER JACKET THE INSIDE JACKET SHALL HAVE A REVERSE TWILL WEAVE TO PRODUCE A SMOOTH WATERWAY THE FILLER YARN SHALL BE HIGH STRENGTH, LOW ELONGATION FILAMENT POLYESTER

IMPREGNATION

THE OUTSIDE JACKET SHALL BE THOROUGHLY IMPREGNATED WITH A HIGH PERFORMANCE POLYMER YELLOW IN COLOR THE POLYMER COMPOUND SHALL BE HEAT SET IN THE TEXTILE OF THE OUTSIDE JACKET COATING APPLIED TO FINISHED HOSE AND /OR SET WITH AMBIENT TEMPERATURE PROCESSES ARE NOT ACCEPTABLE

JACKET FIT

THE OUTSIDE AND INSIDE JACKET FIT IS CRITICAL TO THE FINISHED HOSE AFTER THE INITIAL PROOF PRESSURE TEST, THEIR SHALL BE NO EXCESS OUTER JACKET BAGGINESS THE JACKETS MUST FIT SNUGLY INSIDE ONE ANOTHER UNDER ZERO PRESSURE OR UNDER PROOF AND SERVICE TEST PRESSURES

COUPLINGS

THE COUPLINGS SUPPLIED SHALL BE HARD COATED, LIGHTWEIGHT ROCKER LUG, AND COMPLY WITH NFPA 1963 STANDARD ONE MALE AND ONE FEMALE COUPLING WITH 2 5" NST THREADS ARE TO BE PROPERLY INSTALLED ON EACH LENGTH OF HOSE BY THE MANUFACTURER

HOSE SPECIFICATIONS 5"

THIS SPECIFICATION IS FOR **400 FEET OF 5"** FIRE HOSE IN **100 FOOT** LENGTHS

THE HOSE SHALL BE PREMIUM QUALITY, ABRASION RESISTANT, CHEMICAL RESISTANT ATTACK GRADE FIRE HOSE DESIGNED FOR PROLONGED STORAGE AND EXTENDED SERVICE LIFE

REINFORCEMENT

THE HOSE SHALL BE MANUFACTURED WITH A 100% SYNTHETIC REINFORCEMENT ENCOMPASSED IN SYNTHETIC NITRILE RUBBER USING A THROUGH THE WEAVE EXTRUSION PROCESS RESULTING IN ONE PIECE CONSTRUCTION THE HOSE SHALL BE TOTALLY IMMUNE TO MILDEW

THE HOSE SHALL BE WOVEN OF 100% SYNTHETIC HIGH TENSILE YARN CIRCULAR PLAIN WOVEN SO AS TO ELIMINATE TWIST

LINING AND COVER

THE LINING AND COVER SHALL CONSIST OF SYNTHETIC NITRILE COVER COMPOUND OF IDENTICAL MATERIAL WITH BONDING AGENTS TO PREVENT POSSIBILITY OF DELAMINATION

FINISHED HOSE

FINISHED HOSE SHALL COMBINE THE 100% SYNTHETIC REINFORCEMENT WITH THE NITRILE RUBBER COMPOUND USING A THROUGH THE WEAVE EXTRUSION PROCESS RESULTING IN A ONE PIECE CONSTRUCTION THE RUBBER SHALL BE BOTH CHEMICALLY AND MECHANICALLY BONDED TO THE WOVEN REINFORCEMENT GLUED HOSE OR HOSE NOT HAVING CHEMICAL ADHESION WILL NOT BE ACCEPTABLE

THE HOSE SHALL BE YELLOW IN COLOR

COUPLINGS

COUPLINGS TO BE 5" STORTZ QUICK CONNECTION WITH STREAMLINED FIELD REPAIRABLE BINDINGS COLLAR SHALL BE DESIGNED TO PREVENT DAMAGE TO THE HEADS OF THE BOLTS WHEN HOSE IS BEING LAID, USED OR LOADED COUPLINGS MUST BE ASSEMBLED AND DISASSEMBLED USING AN ALLEN WRENCH ONLY SPECIAL DISASSEMBLY TOOLS SHALL NOT BE REQUIRED

BID PROPOSAL

BID # 5279

BID OPENING: April 28, 1998, 2:30pm (our clock)

We hereby enter our bid for the City of Fort Collins' requirements for fire hose appliances and nozzles, miscellaneous fire equipment and fire hose, per the bid invitation and any referenced specifications

SUBSTITUTIONS FOR ITEMS SPECIFIED WITH AKRON, ELKHART, HARRINGTON, PARATECH, SUPER VAC, OR TASK FORCE TIP NUMBERS WILL NOT BE ACCEPTED ALL THREADS TO BE NST UNLESS OTHERWISE SPECIFIED

Pricing:

Qty	Description	Part #:	Price/Each	Extension
1	ADAPTER, 75" X 2 5", BRASS	AKRON 421	\$	\$
2	ADAPTER, 1 5" X 2 5"	AKRON 1422	\$	\$
2	ADAPTER, 4 5" FEMALE X 5" STORTZ	HARRINGTON HSFS50-45NHLH, WITH STORTZ-LOK	\$	\$
2	BLIND CAP, 5" STORTZ	HARRINGTON #HBC-50	\$	\$
1	BRESNAN DISTRIBUTOR, 2 5", BRASS	AKRON 535	\$	\$
1	CAP, 1 5", BRASS, WITH CHAIN	AKRON 245	\$	\$
1	DOUBLE FEMALE, 1 5", PYROLITE	AKRON 335	\$	\$
2	DOUBLE FEMALE, 2 5", PYROLITE	AKRON 335	\$	\$
2	DOUBLE MALE, 2 5, PYROLITE	AKRON 336	\$	\$
1	GATE VALVE, 2 5", PYROLITE	AKRON 2285	\$	\$
5	NOZZLE HOLDER, 1 5", STAINLESS STEEL	AKRON E-Z LOK OR EQUIVALENT	\$	\$
15	NOZZLE HOLDER, 2 5", STAINLESS STEEL	AKRON E-Z LOK OR EQUIVALENT	\$	\$
1	SIAMESE, 2 5", CLAPPER, PYROLITE	AKRON 1262	\$	\$

Qty	Description.	Part #	Price/Each	Extension
1	TRIPLE STACKED TIPS, PYROLITE	AKRON 1420	\$	\$
2	WYE, 1 5" X 2 5", GATED	ELKHART B-100A	\$	\$
1	WYE, 2 5", GATED, PYROLITE	AKRON 1582	\$	\$
1	WYE, 2 5" X 5" STORTZ, GATED	HARRINGTON #200-50-25NH	\$	\$
3	NOZZLE, 1 5", TASK FORCE	TFT #HMD-VPGI	\$	\$
1	NOZZLE, 1 5", TASK FORCE	TFT #HMD-STO	\$	\$
1	PISTOL GRIP, TASK FORCE	TFT, #H-VOI	\$	\$
1	NOZZLE, 2 5", FOG, TASK FORCE, WITH PLAYPIPE	TFT # H-2BLITZ	\$	\$
1	PLAYPIPE, 2 5", TASK FORCE	TFT # H-2VPP(H)	\$	\$
1	TASK FORCE, #XFC-42 PACKAGE	See Bid List Description	\$	\$
1	TASK FORCE, XFC-MOUNT PACKAGE	See Bid List Description	\$	\$
1	PRY AXE, WITH STANDARD CLAW AND VEHICLE BRACKET	PARATECH #501	\$	\$
1	CLOSET HOOK, 36" PIKE POLE, FIBERGLASS HANDLE WITH "D" RING		\$	\$
1	FLOOR RUNNER, 3' X 20', VINYL		\$	\$
1	HOSE CLAMP W/BACKET	AKRON 588	\$	\$
6	HOSE TOOL, STRAP	AKRON 78	\$	\$
2	ADJUSTABLE HYDRANT WRENCH	AKRON 15	\$	\$
1	PIKE POLE, 10', FIBERGLASS HANDLE		\$	\$
3	SALVAGE COVERS, 12' X 14', 10 OZ VINYL, RED, GREEN & YELLOW		\$	\$
1	SMOKE EJECTOR, 16", STEEL	SUPER VAC # P164SE	\$	\$
4	SPRINKLER SHUTOFF	AKRON 1078	\$	\$
8	SPANNER WRENCH, 5"		\$	\$

Qty	Description:	Part #:	Price/Each	Extension
4	SPANNER WRENCH HOLDER, 5"		\$	\$
4	DUAL HOLDER WITH SPANNER WRENCHES, 2 5"	AKRON 448	\$	\$
2	1" FIRE HOSE IN 100 FOOT LENGTHS (200 feet)	1" hose spec	\$	\$
12	1 75" FIRE HOSE IN 50 FOOT LENGTHS (600 feet)	1.75" hose spec	\$	\$
4	1 75" FIRE HOSE IN 50 FOOT LENGTHS (200 feet)	1.75" high rise hose spec	\$	\$
2	1 75" FIRE HOSE IN 100 FOOT LENGTHS (200 feet)	1.75" high rise hose spec	\$	\$
30	2 5" FIRE HOSE IN 50 FOOT LENGTHS (1500 feet)	2.5" hose spec	\$	\$
4	5" FIRE HOSE IN 100 FOOT LENGTHS (400 feet)	5" hose spec	\$	\$
Total				\$

Delivery:

Delivery will be made within _____ days after receipt of order Prices must be quoted FOB Destination Fort Collins, CO

For questions concerning this bid, contact Jim Hume, Buyer, 970-221-6776

For questions concerning technical specifications, contact Mel Carlson, Poudre Fire Authority, 970-221-6581

Signature	Title
Company	Date
Street	Phone #
City	Fax #
State/Zip	Email

EQUIPMENT BID LIST

APRIL 1, 1998

HOSE APPLIANCES

- 1 ADAPTER, 75" X 2 5", BRASS, AKRON 421
- 2 ADAPTER, 1 5" X 2 5", PYROLITE, AKRON 1422
- 2 ADAPTER, 4 5" FEMALE X 5" STORTZ, HARRINGTON #HSFS50-45NHRL, WITH STORTZ-LOK
- 2 BLIND CAP, 5" STORTZ, HARRINGTON #HBC-50
- 1 BRESNAN DISTRIBUTOR, 2 5", BRASS, AKRON 535
- 1 CAP, 1 5", BRASS, WITH CHAIN, AKRON 245
- 2 CAP, 5" STORTZ, BLIND CAP, HARRINGTON #HBC-50
- 1 DOUBLE FEMALE, 1 5", PYROLITE, AKRON 335
- 2 DOUBLE FEMALE, 2 5", PYROLITE, AKRON 335,
- 2 DOUBLE MALE, 2 5, PYROLITE, AKRON 336
- 1 GATE VALVE, 2 5", PYROLITE, AKRON 2285
- 5 NOZZLE HOLDER, 1 5", STAINLESS STEEL, AKRON E-Z LOK OR EQUIVALENT
- 15 NOZZLE HOLDER, 2 5", STAINLESS STEEL, AKRON E-Z LOK OR EQUIVALENT
- 1 SIAMESE, 2 5", CLAPPER, PYROLITE, AKRON 1262
- 1 TRIPLE STACKED TIPS, PYROLITE, AKRON, 1420
- 2 WYE, 1 5" X 2 5', GATED, ELKHART B-100A
- 1 WYE, 2 5", GATED, PYROLITE, AKRON 1582
- 1 WYE, 2 5" X 5" STORTZ, GATED, HARRINGTON #200-50-25NH

NOZZLES

- 3 NOZZLE, 1 5", TASK FORCE, (TFT #HMD-VPGI)
- 1 NOZZLE, 1 5", TASK FORCE, (TFT #HMD-STO)
- 1 PISTOL GRIP, TASK FORCE (TFT, #H-VOI)
- 1 NOZZLE, 2 5", FOG, TASK FORCE, WITH PLAYPIPE, (TFT # H-2BLITZ)
- 1 PLAYPIPE, 2 5", TASK FORCE, (TFT # H-2VPP(H))
- 1 TASK FORCE, #XFC-42 PACKAGE, INCLUDING (1) SAFE-TEK 1250 PORTABLE BASE WITH 5" STORTZ, WITH OUT SAFETY VALVE, (1) XFT-NJ CROSSFIRE MONITOR TOP, (1) M-R MASTER STREAM NOZZLE, (1) MST-4NJ QUAD STACK TIPS, (1) XF-SS10 STREAM STRAIGHTENER
- 1 TASK FORCE, XFC-MOUNT PACKAGE, INCLUDING (1) XFF-MPL 3" TRUCK FLANGE BASE AND (1) XF-B COMPACT COMPARTMENT STORAGE BRACKET

MISC. EQUIPMENT

- 1 PRY AXE, PARATECH #501 WITH STANDARD CLAW AND VEHICLE BRACKET
- 1 CLOSET HOOK, 36" PIKE POLE, FIBERGLASS HANDLE WITH "D" RING
- 1 FLOOR RUNNER, 3' X 20', VINYL
- 1 HOSE CLAMP W/BRACKET, AKRON 588
- 6 HOSE TOOL, STRAP, AKRON 78
- 2 ADJUSTABLE HYDRANT WRENCH, AKRON 15
- 1 PIKE POLE, 10', FIBERGLASS HANDLE
- 3 SALVAGE COVERS, 12' X 14', 10 OZ VINYL, RED, GREEN & YELLOW
- 1 SMOKE EJECTOR, 16", STEEL, SUPER VAC # P164SE
- 4 SPRINKLER SHUTOFF, AKRON 1078
- 8 SPANNER WRENCH, 5"
- 4 SPANNER WRENCH HOLDER, 5"
- 4 DUAL HOLDER WITH SPANNER WRENCHES, 2 5", AKRON 448

SUBSTITUTIONS FOR ITEMS SPECIFIED WITH AKRON, ELKHART, HARRINGTON, PARATECH, SUPER VAC, OR TASK FORCE TIP NUMBERS WILL NOT BE ACCEPTED

FIRE HOSE BID

APRIL 1, 1998

ALL FIRE HOSE IN THIS SPECIFICATION MUST MEET OR EXCEED THE CURRENT NATIONAL FIRE PROTECTION ASSOCIATION STANDARD 1961.

THE HOSE SHALL NOT BE DEGRADED FROM EXPOSURE TO MOST CHEMICAL SUBSTANCES SUCH AS HYDROCARBONS, OILS, ALKALI, AND GREASE.

COMPLETE DETAILED SPECIFICATIONS, ALONG WITH A 12" SAMPLE OF THE HOSE PROPOSED TO MEET THIS SPECIFICATION, SHALL BE SUBMITTED WITH THE HOSE BID.

THE FIRE DEPARTMENT RESERVES THE RIGHT TO FORWARD 3 FOOT SAMPLES, CUT FROM LENGTHS OF DELIVERED HOSE, TO A NATIONALLY RECOGNIZED LABORATORY FOR TESTING. THE TESTS SHALL COVER THE PHYSICAL REQUIREMENTS OF THE LININGS AS WELL AS THE JACKETS AS OUTLINED IN THESE SPECIFICATIONS. IF THE HOSE PASSES, THE COST WILL BE PAID BY THE FIRE DEPARTMENT. IF THE HOSE FAILS THE COST SHALL BE PAID BY THE SUPPLIER. FAILURE TO COMPLY WITH THESE SPECIFICATIONS WILL BE CAUSE FOR ALL HOSE TO BE REJECTED.

THE MANUFACTURER SHALL GUARANTEE THE PROPOSED FIRE HOSE SHALL MEET THE REQUIREMENTS AND SPECIFICATIONS AS HEREIN SET FORTH. THE MANUFACTURER SHALL ALSO, AS PART OF THIS PROPOSAL, GUARANTEE SUCH FIRE HOSE FOR A PERIOD OF TEN (10) YEARS OR MORE AGAINST FAILURE DUE TO DEFECTS IN MATERIAL AND WORKMANSHIP, AND SHALL PROVIDE FOR THE REPLACEMENT OF ANY SUCH HOSES AS MAY BE DEFECTIVE IN THIS RESPECT AT NO ADDITIONAL COST TO POUDDRE FIRE AUTHORITY.

INDIVIDUAL HOSE SECTIONS LESS THAN THE SPECIFIED LENGTH WILL BE REJECTED.

EACH LENGTH OF HOSE SHALL BE INDELIBLY MARKED IN LETTERS AND FIGURES AT LEAST 1" HIGH. MARKING SHALL BE ACCORDANCE WITH THE LATEST EDITION OF NFPA STANDARD 1961 FIRE HOSE.

THE COUPLINGS SUPPLIED SHALL COMPLY WITH THE CURRENT NFPA 1963 STANDARD.

HOSE BID SPECIFICATIONS 1"

SCOPE:

THIS SPECIFICATION IS FOR 200 FEET OF 1" FIRE HOSE IN 100 FOOT LENGTHS.

THE HOSE SHALL BE PREMIUM QUALITY, ABRASION RESISTANT, CHEMICAL RESISTANT ATTACK GRADE FIRE HOSE DESIGNED FOR PROLONGED STORAGE AND EASE OF MAINTENANCE.

LINING AND COVER:

THE LINING AND COVER SHALL CONSIST OF SYNTHETIC NITRILE RUBBER, COMPOUNDED TO PROVIDE MAXIMUM ADHESION TO THE REINFORCEMENT WHEN APPLIED BY A THROUGH THE WEAVE EXTRUSION PROCESS.

REINFORCEMENT:

THE HOSE REINFORCEMENT SHALL BE WOVEN OF 100% SYNTHETIC, HIGH TENSILE YARN SO AS TO ELIMINATE TWIST.

THE REINFORCEMENT SHALL BE TOTALLY ENCAPSULATED IN THE NITRILE RUBBER COMPOUND UTILIZING A THROUGH THE WEAVE PROCESS RESULTING IN A ONE-PIECE CONSTRUCTION HOSE.

FINISHED HOSE:

THE FINISHED HOSE SHALL HAVE RIBBED PATTERNS ON THE OUTSIDE TO REDUCE WEAR ON THE COVER.

THE HOSE SHALL NOT BE DEGRADED FROM EXPOSURE TO MOST CHEMICAL SUBSTANCES SUCH AS HYDROCARBONS, OILS, ALKALI, AND GREASE.

THE HOSE SHALL BE YELLOW IN COLOR.

COUPLINGS:

THE COUPLINGS SUPPLIED SHALL BE HARD COATED, LIGHTWEIGHT ROCKER LUG, AND COMPLY WITH THE CURRENT NFPA 1963 STANDARD. ONE MALE AND ONE FEMALE COUPLING WITH 1" NST THREADS ARE TO BE PROPERLY INSTALLED ON EACH LENGTH OF HOSE BY THE MANUFACTURER.

HOSE BID SPECIFICATIONS 1.75"

SCOPE:

THIS SPECIFICATION IS FOR 600 FEET OF 1.75" FIRE HOSE IN 50 FOOT LENGTHS.

THE FIRE HOSE SHALL BE PREMIUM QUALITY, ABRASION RESISTANT, DOUBLE JACKET, LIGHT WEIGHT MUNICIPAL FIRE HOSE DESIGNED FOR EASE OF HANDLING AND USE.

THE HOSE SHALL BE IN COMPLIANCE WITH NFPA 1961 (LATEST EDITION) REQUIREMENTS FOR DOUBLE JACKET, 800 PSI PROOF TEST PRESSURE, ATTACK GRADE FIRE HOSE.

LINING:

THE SYNTHETIC RUBBER LINING SHALL BE A SINGLE-PLY EXTRUDED TUBE COMPOUNDED TO RESIST DETERIORATION BY OZONE. THE FINISHED FORM SHALL BE FREE OF PITS AND OTHER IMPERFECTIONS AND SHALL HAVE A SMOOTH INTERIOR FINISH.

JACKET:

THE WRAP YARNS AND FILER YARNS SHALL BE OF ADEQUATE NUMBER AND SIZE TO MEET ALL OF THE HYDROSTATIC REQUIREMENTS THE NFPA 1961 SPECIFICATION. THE WRAP YARN OF BOTH JACKETS SHALL BE STRUCTURED OF ENTANGLED FILAMENT GRADE (6-6) POLYAMIDE (DUPONT CORDURA) OR EQUIVALENT. THERE SHALL BE NO KNOT SPLICING OF THE WRAP IN EITHER JACKET. THE FILLER YARN SHALL BE HIGH STRENGTH, LOW ELONGATION FILAMENT POLYESTER.

IMPREGNATION:

THE OUTSIDE JACKET SHALL BE THOROUGHLY IMPREGNATED WITH A HIGH PERFORMANCE POLYMER. THE POLYMER COMPOUND SHALL BE HEAT SET IN THE TEXTILE OF THE OUTSIDE JACKET. COATING APPLIED TO FINISHED HOSE AND /OR SET WITH AMBIENT TEMPERATURE PROCESSES ARE NOT ACCEPTABLE.

THE HOSE SHALL BE YELLOW IN COLOR.

JACKET FIT:

THE OUTSIDE AND INSIDE JACKET FIT IS CRITICAL TO THE FINISHED HOSE. AFTER THE INITIAL PROOF PRESSURE TEST, THERE SHALL BE NO EXCESS OUTER JACKET BAGGINESS. THE JACKETS MUST FIT SNUGLY INSIDE ONE ANOTHER UNDER ZERO PRESSURE OR UNDER PROOF AND SERVICE TEST PRESSURES.

COUPLINGS:

THE COUPLINGS SUPPLIED SHALL BE LIGHTWEIGHT ROCKER LUG, AND COMPLY WITH NFPA 1963 STANDARD. ONE MALE AND ONE FEMALE COUPLING WITH 1.5" NST THREADS ARE TO BE PROPERLY INSTALLED ON EACH LENGTH OF HOSE BY THE MANUFACTURER. THE COUPLINGS SHALL BE HARD COATED.

HOSE BID SPECIFICATIONS 1.75" HIGH RISE

SCOPE:

THIS SPECIFICATION IS FOR 200 FEET OF 1.75" FIRE HOSE IN 50 FOOT LENGTHS AND 200 FEET OF 1.75" FIRE HOSE IN 100 FOOT LENGTHS.

THE HOSE TO BE SUPPLIED UNDER THIS SPECIFICATION SHALL BE PREMIUM QUALITY, ABRASION RESISTANT, DOUBLE JACKET, LIGHT WEIGHT MUNICIPAL FIRE HOSE DESIGNED FOR EASE OF HANDLING AND USE.

THE HOSES SHALL BE IN COMPLIANCE WITH NFPA 1961 (LATEST EDITION) REQUIREMENTS FOR DOUBLE JACKET, 800 PSI PROOF TEST PRESSURE, ATTACK GRADE FIRE HOSE.

LINING:

THE THERMOPLASTIC LINING SHALL BE A SINGLE-PLY EXTRUDED TUBE COMPOUNDED TO RESIST DETERIORATION BY OZONE. THE FINISHED FORM SHALL BE FREE OF PITS AND OTHER IMPERFECTIONS AND SHALL HAVE A SMOOTH INTERIOR FINISH.

JACKET CONSTRUCTION:

THE WRAP YARNS AND FILER YARNS SHALL BE OF ADEQUATE NUMBER AND SIZE TO MEET ALL OF THE HYDROSTATIC REQUIREMENTS OF THE NFPA 1961 SPECIFICATION. THE WRAP YARN OF BOTH JACKETS SHALL BE STRUCTURED OF ENTANGLED FILAMENT GRADE (6-6) POLYAMIDE (DUPONT CORDURA) OR EQUIVALENT. THERE SHALL BE NO KNOT SPLICING OF THE WRAP IN EITHER JACKET. THE INSIDE JACKET SHALL HAVE A REVERSE TWILL WEAVE TO PRODUCE A SMOOTH WATERWAY. THE FILLER YARN SHALL BE HIGH STRENGTH, LOW ELONGATION FILAMENT POLYESTER.

IMPREGNATION:

THE OUTSIDE JACKET SHALL BE THOROUGHLY IMPREGNATED WITH A HIGH PERFORMANCE POLYMER. THE POLYMER COMPOUND SHALL BE HEAT SET IN THE TEXTILE OF THE OUTSIDE JACKET. COATING APPLIED TO FINISHED HOSE AND /OR SET WITH AMBIENT TEMPERATURE PROCESSES ARE NOT ACCEPTABLE.

THE HOSE SHALL BE ORANGE IN COLOR.

JACKET FIT:

THE OUTSIDE AND INSIDE JACKET FIT IS CRITICAL TO THE FINISHED HOSE. AFTER THE INITIAL PROOF PRESSURE TEST, THERE SHALL BE NO EXCESS OUTER JACKET BAGGINESS. THE JACKETS MUST FIT SNUGLY INSIDE ONE ANOTHER UNDER ZERO PRESSURE OR UNDER PROOF AND SERVICE TEST PRESSURES.

COUPLINGS:

THE COUPLINGS SUPPLIED SHALL BE HARD COATED, LIGHTWEIGHT ROCKER LUG, AND COMPLY WITH NFPA 1963 STANDARD. ONE MALE AND ONE FEMALE COUPLING WITH 1.5" NST THREADS ARE TO BE PROPERLY INSTALLED ON EACH LENGTH OF HOSE BY THE MANUFACTURER.

HOSE BID SPECIFICATIONS 2.5"

SCOPE:

THIS SPECIFICATION IS FOR 1500 FEET OF 2.5" FIRE HOSE IN 50 FOOT LENGTHS.

THE HOSE TO BE SUPPLIED UNDER THIS SPECIFICATION SHALL BE PREMIUM QUALITY, ABRASION RESISTANT, DOUBLE JACKET, LIGHT WEIGHT MUNICIPAL FIRE HOSE DESIGNED FOR EASE OF HANDLING AND USE.

THE HOSES SHALL BE IN COMPLIANCE WITH NFPA 1961 (LATEST EDITION) REQUIREMENTS FOR DOUBLE JACKET, 800 PSI PROOF TEST PRESSURE, ATTACK GRADE FIRE HOSE.

LINING:

THE THERMOPLASTIC LINING SHALL BE A SINGLE-PLY EXTRUDED TUBE COMPOUNDED TO RESIST DETERIORATION BY OZONE. THE FINISHED FORM SHALL BE FREE OF PITS AND OTHER IMPERFECTIONS AND SHALL HAVE A SMOOTH INTERIOR FINISH.

JACKET CONSTRUCTION:

THE WRAP YARNS AND FILER YARNS SHALL BE OF ADEQUATE NUMBER AND SIZE TO MEET ALL OF THE HYDROSTATIC REQUIREMENTS OF THE NFPA 1961 SPECIFICATION. THE WRAP YARN OF BOTH JACKETS SHALL BE STRUCTURED OF ENTANGLED FILAMENT GRADE (6-6) POLYAMIDE (DUPONT CORDURA) OR EQUIVALENT. THERE SHALL BE NO KNOT SPLICING OF THE WRAP IN EITHER JACKET. THE INSIDE JACKET SHALL HAVE A REVERSE TWILL WEAVE TO PRODUCE A SMOOTH WATERWAY. THE FILLER YARN SHALL BE HIGH STRENGTH, LOW ELONGATION FILAMENT POLYESTER.

IMPREGNATION:

THE OUTSIDE JACKET SHALL BE THOROUGHLY IMPREGNATED WITH A HIGH PERFORMANCE POLYMER YELLOW IN COLOR. THE POLYMER COMPOUND SHALL BE HEAT SET IN THE TEXTILE OF THE OUTSIDE JACKET. COATING APPLIED TO FINISHED HOSE AND /OR SET WITH AMBIENT TEMPERATURE PROCESSES ARE NOT ACCEPTABLE.

JACKET FIT:

THE OUTSIDE AND INSIDE JACKET FIT IS CRITICAL TO THE FINISHED HOSE. AFTER THE INITIAL PROOF PRESSURE TEST, THERE SHALL BE NO EXCESS OUTER JACKET BAGGINESS. THE JACKETS MUST FIT SNUGLY INSIDE ONE ANOTHER UNDER ZERO PRESSURE OR UNDER PROOF AND SERVICE TEST PRESSURES.

COUPLINGS:

THE COUPLINGS SUPPLIED SHALL BE HARD COATED, LIGHTWEIGHT ROCKER LUG, AND COMPLY WITH NFPA 1963 STANDARD. ONE MALE AND ONE FEMALE COUPLING WITH 2.5" NST THREADS ARE TO BE PROPERLY INSTALLED ON EACH LENGTH OF HOSE BY THE MANUFACTURER.

HOSE BID SPECIFICATIONS 5"

SCOPE:

THIS SPECIFICATION IS FOR 400 FEET OF 5" FIRE HOSE IN 100 FOOT LENGTHS.

THE HOSE SHALL BE PREMIUM QUALITY, ABRASION RESISTANT, CHEMICAL RESISTANT ATTACK GRADE FIRE HOSE DESIGNED FOR PROLONGED STORAGE AND EXTENDED SERVICE LIFE.

REINFORCEMENT:

THE HOSE SHALL BE MANUFACTURED WITH A 100% SYNTHETIC REINFORCEMENT ENCOMPASSED IN SYNTHETIC NITRILE RUBBER USING A THROUGH THE WEAVE EXTRUSION PROCESS RESULTING IN ONE PIECE CONSTRUCTION. THE HOSE SHALL BE TOTALLY IMMUNE TO MILDEW.

THE HOSE SHALL BE WOVEN OF 100% SYNTHETIC HIGH TENSILE YARN CIRCULAR PLAIN WOVEN SO AS TO ELIMINATE TWIST.

LINING AND COVER:

THE LINING AND COVER SHALL CONSIST OF SYNTHETIC NITRILE COVER COMPOUND OF IDENTICAL MATERIAL WITH BONDING AGENTS TO PREVENT POSSIBILITY OF DELAMINATION.

FINISHED HOSE:

FINISHED HOSE SHALL COMBINE THE 100% SYNTHETIC REINFORCEMENT WITH THE NITRILE RUBBER COMPOUND USING A THROUGH THE WEAVE EXTRUSION PROCESS RESULTING IN A ONE PIECE CONSTRUCTION. THE RUBBER SHALL BE BOTH CHEMICALLY AND MECHANICALLY BONDED TO THE WOVEN REINFORCEMENT. GLUED HOSE OR HOSE NOT HAVING CHEMICAL ADHESION WILL NOT BE ACCEPTABLE.

THE HOSE SHALL BE YELLOW IN COLOR.

COUPLINGS:

COUPLINGS TO BE 5" STORTZ QUICK CONNECTION WITH STREAMLINED FIELD REPAIRABLE BINDINGS. COLLAR SHALL BE DESIGNED TO PREVENT DAMAGE TO THE HEADS OF THE BOLTS WHEN HOSE IS BEING LAID, USED OR LOADED. COUPLINGS MUST BE ASSEMBLED AND DISASSEMBLED USING AN ALLEN WRENCH ONLY. SPECIAL DISASSEMBLY TOOLS SHALL NOT BE REQUIRED.